C

PROJECT NARRATIVE

Atlantic Subaru Improvements
124 Waterhouse Road
Bourne, Massachusetts

EXISTING CONDITIONS

The project area includes two parcels, lot 152 (.94 acres) & lot 153 (3.39 acres) located along the west side of Waterhouse Road at Latitude: 41° 43' 35.6376" N Longitude: -70° 35' 8.7036" W. The property is defined by the Bourne Assessors Department as Map 27 Parcels 152 & 153 and is within the Business 4 zoning district under the Bourne Zoning Bylaw. Lot 153 is abutted by Dornick Road (dirt road) to the west, lot 152 to the north, and Bayview Campground to the south. Lot 152 is abutted by Lot 154 to the west, lot 153 to the south and a wooded vacant lot 151 to the north. Lot 153 is currently developed as an auto dealership and repair facility with wooded buffer along the north, south and west boundaries. The general topography of the site slopes from south to north with the steepest grades along the southern and western boundaries. The elevation across the property project area varies from 144 to 111 feet above mean sea level.

According to the Barnstable County Soil Survey, the soils underlying the site are classified as Barnstable sandy loam (BbC), which is described as "very stony, moderately well drained soils formed in glacial fluvial deposits on outwash plains, delta, kames, and ice contact deposits". The hydrologic soil group for this soil is A with an estimated infiltration rate of 8.27 in/hr. Based upon the Cape Cod Commission GIS department groundwater contours (August 1998) the depth to water is estimated at approximately elevation 40 feet, which is 80 to 100 feet below existing grade depending upon the specific location at the site.

The site is located within the Bourne Back River Area of Critical Concern (ACEC) and the project area is located entirely within the X-Zone as shown on the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) Community Panel Number 255210 0008F revised August 9, 1999.

Building

The existing building footprint is approximately 11,100 sf of roof area and includes the following uses:

• Covered Walks/Canopy	= 2,100 sf
• Showroom/Retail	= 3,380 sf
• Office	= 1,600 sf
• Service bays (8)	= 3,200 sf
• Other (tech room, equipment/supply rooms, break room and hallway)	= 820 sf
Total Footprint	= 11,100 sf

Parking

The existing facility includes the following parking:

• Display	148
• Customer/Employee	19
• Customer Handicapped	1
Total Existing Spaces	**168**

The parking, display areas, and associated access drives and drive aisles total approximately 60,973 sf of existing paved surface area (Lot 153 only).

Stormwater Management

The majority of the site surface runoff from the existing Atlantic Subaru facilities currently drains to catch basins and is managed on site. The stormwater management system includes deep sump catch basins which discharge to underground perforated 6' diameter pre-cast recharge basins to provide localized infiltration.

The deep sump catch basins capture sediment and outlet pipe hoods are provided to separate oils and grease as well as floatable debris prior to infiltration. All vehicle maintenance occurs within the service bays and any wash water is captured via floor drains and discharged to an underground holding tank which is emptied monthly.

The roof runoff is collected through existing downspouts which are discharged to the existing drainage systems via overland flow. Additional design details are included on the Grading and Drainage plan and Drainage Report.

Utilities

Existing utilities for Lot 153 are available on the property and include municipal water as well as natural gas, electric, and cable. The existing site drainage system is contained on site and there are currently deep sump catch basins which discharge to underground recharge basins for stormwater management on the property. Public sewers are not available in this area; therefore an onsite waste water treatment system is located under a portion of the parking area north of the existing building.

Lot 152 is vacant, therefore there are no existing utility connections located on the lot. There is a 20 foot utility easement off the southern boundary which includes both gas and water service to Dornick Road.

Site Disturbance and Natural Area

Approximately 40,748 SF (27%) of the existing site (lot 153) remains undisturbed and in a natural state. Lot 152 currently is 100% undisturbed.

Wetland Resources

There is no Massachusetts Department of Environmental Protection (MADEP) regulated wetlands located on the property.

Rare Species Habitat

Lot 153 is not located within critical habitat for endangered or threatened species.
Lot 152 is located within critical habitat for endangered or threatened species.

PROPOSED IMPROVEMENTS

Building

The Applicant proposes to construct a 8,500 square foot addition to the existing facilities including new service bays, drive thru check-in, customer lounge and additional showroom.

• 8 Service bays	= 3,360 sf
• Customer Lounge	= 1,360 sf
• Showroom	= 1,980 sf
• Drive Thru	= 1,800 sf
Total Proposed Building Addition	= 8,500 sf
Total Existing Building Area	= 11,100 sf
Total Building Area	= 19,600Sf

Parking

Due to the proposed building expansion, 21 customer parking spaces and 16 display spaces will be eliminated from the existing facilities located on lot 153. Therefore, additional parking and vehicle display area will be constructed on the abutting lot 152 to provide space for an additional 75 vehicles. A summary of the proposed changes are provided below.

Display Spaces

Existing Display (Existing)	148
Display Spaces to be Removed	-18
Display Spaces Converted to Customer Spaces (Includes Handicapped Space and aisle)	-33
Total Existing Display Spaces to Remain	97
Proposed Additional Display Spaces	+75
Total Display Spaces	172
Net Gain	+24
Existing Customer/Employee/Handicapped Spaces	20
Customer/Employee Spaces to be Removed	-19
Handicapped Space to be Removed	- 1
Customer/Employee/Handicapped Spaces to be Added (Converted From Display)	+32
Total Customer/Employee Parking	32
Net Gain	+12
Total Proposed Parking Space	**204**
Net Gain	**+36**

The parking lot, display areas, and associated access drives and drive aisles total approximately 57,903 sf of an existing and proposed paved surface area on lot 153 and 13,151 sf on Lot 152 for a total paved surface area of 71,054 sf.

Site Disturbance and Natural Area

The total limit of disturbance associated with construction is 39,500 sf. All of the proposed work on lot 153 will occur within the existing disturbed area. Upon completion of the building addition and new parking area on lot 152, the approximate natural area to remain undisturbed is shown in the table below.

	sf	Acres
Plat 27 Lot 152 Area	40,748	0.94
Undisturbed Natural State	20,325	0.47
% Undisturbed	50%	
Plat Lot 153 Area	147,664	3.39
Undisturbed Natural State	40,454	0.93
% Undisturbed	27%	
Total Combined Lot Area	188,412	4.33
Total Undisturbed Natural State	81,202	1.86
% Total Undisturbed	43%	

The limit of disturbance will be located by field survey and marked prior to the commencement of any construction. All disturbed areas will be loam and seeded as indicated on the plans.

Stormwater Management

The proposed Stormwater Management System is designed to meet the town of Bourne stormwater management requirements. Although this site does not fall within MADEP wetland jurisdiction, the Massachusetts Stormwater Standards were applied to the stormwater management to the greatest extents practicable. The stormwater management design includes the addition three underground pre-cast recharge basins and relocation of one catch basin and recharge basin system. Any increase in stormwater runoff is infiltrated on-site. Deep sump catch basins are provided to capture sediment and outlet pipe hoods are provided to separate oils and grease as well as floatable debris. The design also incorporates a small, natural grass infiltration basin and overflow recharge basin to treat and infiltrate a portion of the proposed expanded parking facilities located in the southeast corner of the property. All vehicle maintenance will occur within the service bays. Wash water will be captured within and underground holding tank which will be emptied monthly.

Additional design details are included on the Grading and Drainage plan and Drainage Report.

Utilities

Gas, electric, cable, and telephone service will be accessed through existing services currently installed on-site. Design and sizing of the proposed utilities will be coordinated with all appropriate utility companies.

Wastewater

The existing system is comprised of 2,000 gallon septic tank with a FAST 1.5 advanced treatment system, distribution box and conventional gravity leaching trench system for disposal. The original design plans, details and calculations were submitted to, and approved by, the Bourne Board of Health. The FAST 1.5 advanced treatment system was a requirement through the Cape Cod Commission (CCC) review. The existing approved design flow for the site is 740 gallons per day (gpd) and is based on the plans provided to us dated March 19, 1997.

The proposed renovations require the existing septic system to be relocated to the new parking area north of the proposed building additions. A new 2,000 gallon septic tank with FAST 1.5 advanced

treatment system, distribution box and leaching field are proposed. Some portions of the FAST 1.5 system can be reused for the new system. Based on the proposed uses, the calculated design flow based on Title 5 is 672 gpd; therefore there is no increase from the permitted design flow. The original system was permitted for a design flow greater than the actual flow. Septic system upgrade plans will be submitted for approval to the Bourne Board of Health.

Lighting

Exterior site and parking lighting will be kept to a minimum and include the following;

- Relocation of three existing light poles as indicated on the plans; and
- One new light pole to be located in the southeast corner.

omnilite

THE OMNILITE COLLECTION

To: Levon Semerjian
From: Steven Zimmer
Date: 10/9/2015
Re: Atlantic Subaru

Mr. Semerjian,

I just wanted to send you this letter to assure you that all the criteria outlined in technical bulletin 95-001 have been met in our lighting proposal presented to your company. We have designed your space to meet all the parking lot and roadway levels deemed acceptable in this bulletin.

We have supplied a Cree LED area fixture with exceptional distribution and controllability that has been lacking in the old HID technology fixtures at a reduced wattage with exceptional energy savings.

The Cree Area Edge fixtures provided are some of the most efficient outdoor fixtures on the market and have numerous installations across Cape Cod. Including utility street lights, Cree has close to 25,000 fixtures installed on the Cape and surrounding communities.

I appreciate the opportunity to supply a first class lighting solution to your company with a manufacturer that has been widely accepted by the Cape Light Compact and other utilities across New England.

Sincerely,
Steven Zimmer

Cree Edge™ Series

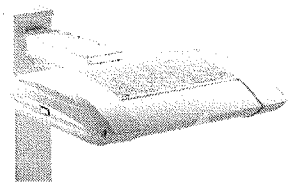
LED Area/Flood Luminaire

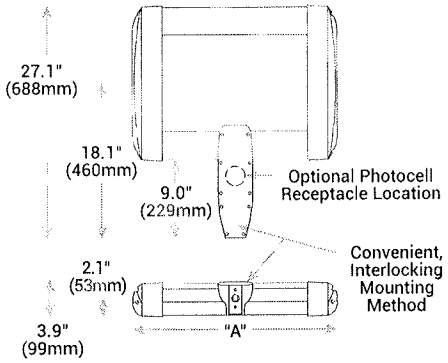
Product Description

Slim, low profile design minimizes wind load requirements. Luminaire sides are rugged cast aluminum with integral, weathertight LED driver compartments and high performance aluminum heat sinks. Convenient, interlocking mounting method. Mounting housing is rugged die cast aluminum and mounts to 3–6" (76–152mm) square or round pole. Luminaire is secured by two 5/16-18 UNC bolts spaced on 2" (51mm) centers.

Applications: Auto Dealerships, parking lots, campuses, façade lighting, high-mast and general site lighting applications

DA Mount





Performance Summary

Utilizes BetaLED® Technology

Patented NanoOptic® Product Technology

Made in the U.S.A. of U.S. and imported parts

CRI: Minimum 70 CRI

CCT: 4000K (+/- 300K), 5700K (+/- 500K) standard

Limited Warranty[1]: 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

Accessories

Field-Installed

Bird Spikes
XA-BRDSPK

Bird Spikes
XA-BRDSPKXAK24
- 240 LED

Direct Mount Bracket
EHO-UNV••
- Mounts to minimum 4" (102mm) round or square; aluminum or steel pole or can be surface-mounted directly to a vertical or horizontal surface
- Poles must be field drilled for direct mount

•• Must specify color

LED Count (x10)	Dim. "A"
04	12.1" (306mm)
06	14.1" (357mm)
08	16.1" (408mm)
10	18.1" (459mm)
12	20.1" (510mm)
14	22.1" (560mm)
16	24.1" (611mm)
20	28.1" (713mm)
24	32.1" (814mm)

Ordering Information

Example: ARE EDG 2M AA 12 E UL SV 700

Product	Optic			Mounting	LED Count (x10)	Series	Voltage	Color Options	Drive Current	Options	
						E					
ARE EDG	**1S** Type I Short **2M** Type II Medium **2MB** Type II Medium w/BLS **2MP** Type II Medium w/Partial BLS **2S** Type II Short	**2SB** Type II Short w/BLS **2SP** Type II Short w/Partial BLS **3M** Type III Medium **3MB** Type III Medium w/BLS **3MP** Type III Medium w/Partial BLS	**4M** Type IV Medium **4MB** Type IV Medium w/BLS **4MP** Type IV Medium w/Partial BLS **5M** Type V Medium **5S** Type V Short	**AA** Adjustable Arm **DA** Direct Arm **DL** Direct Long Arm **R3** Spider, Center Tenon, 2-3/8" to 3" OD **R4** Spider, Center Direct, 4" Square	**02** **04** **06** **08** **10** **12** **14** **16** **20** **24**	**E**	**UL** Universal 120-277V **UH** Universal 347-480V	**SV** Silver **BK** Black **BZ** Bronze **PB** Platinum Bronze **WH** White	**350•** 350mA **525••** 525mA **700•••** 700mA	**40K 4000K Color Temperature** - Minimum 70 CRI - Color temperature per luminaire **DIM 0-10V Dimming** - Control by others - Refer to Dimming spec sheet for details - Can't exceed specified drive current **F Fuse** - When code dictates fusing, use time delay fuse **HL Hi / Low (175 / 350 / 525 Dual Circuit Input)** - Refer to ML spec sheet for details - Sensor not included **ML Multi-Level** - Refer to ML spec sheet for details - Intended for downlight applications at 0° tilt	**P Photocell** - Not available with all ML options. Refer to ML spec sheet for availability with ML options - Must specify voltage other than UH **R NEMA® Photocell Receptacle** - Not available with all ML options. Refer to ML spec sheet for availability with ML options - Intended for downlight applications at 0° tilt - Photocell by others
FLD EDG	**1S** 15° Flood **2S** 25°Flood	**4O** 40° Flood **7O** 70°Flood	**SN** Sign **N6** NEMA 6								

1 See www.cree.com/lighting/products/warranty for warranty terms • Available on luminaires with 60–240 LEDs.
•• Available on luminaires with 40–160 LEDs. ••• Available on luminaires with 40–60 LEDs.

Rev. Date: R2 12/29/2014

US: www.cree.com/lighting T (800) 236-6800 F (262) 504-5415
Canada: www.cree.com/canada T (800) 473-1234 F (800) 890-7507

Product Specifications

CONSTRUCTION & MATERIALS

- Slim, low profile, minimizing wind load requirements
- Luminaire sides are rugged die cast aluminum with integral, weathertight LED driver compartments and high performance heat sinks
- DA & DL Mount has convenient interlocking mounting method. Mounting housing is rugged die cast aluminum mounting to 3–6" (76–152mm) square or round pole, secured by two 5/16-18 UNC bolts spaced on 2" (51mm) centers
- Adjustable mounting arm is rugged die cast aluminum and mounts to 2" (51mm) IP, 2.375" (60mm) O.D. tenon
- R3 spider mount hub slip-fits over a 2.375" (60mm) IP to 3" (76mm) O.D. steel or aluminum tenon or pole and secures to tenon with eight set screws
- R4 Spider mount fits directly inside 4" (102mm) square pole and secures to pole with four set screws
- Includes leaf/debris guard
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Standard is silver. Bronze, black, white, and platinum bronze are also available
- **Weight:** 120 LED: 45.3 lbs. (20.6kg); 240 LED: 80.5 lbs. (36.6kg)

ELECTRICAL SYSTEM

- **Input Voltage:** 120-277V or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral weathertight electrical box with terminal strips (12Ga–20Ga) for easy power hookup
- Integral 10kV surge suppression protection standard
- To address inrush current, slow blow fuse or type C/D breaker should be used

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for wet locations
- Meets FCC Part 15 standards for conducted and radiated emissions
- Enclosure rated IP66 per IEC 60529 when ordered without P or R options
- Consult factory for CE Certified products
- Certified to ANSI C136.31-2001, 3G bridge and overpass vibration standards
- 10kV surge suppression protection tested in accordance with IEEE / ANSI C62.41.2
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- Product qualified on the DesignLights Consortium™ ("DLC") Qualified Products List ("QPL") when ordered without full backlight control shield
- Meets Buy American requirements within ARRA

Recommended Cree Edge™ Luminaire Lumen Maintenance Factors (LMF)[1]

Ambient	Drive Current	Initial LMF	25K hr Projected[2] LMF	50K hr Projected[2] LMF	100K hr Calculated[3] LMF
5°C (41°F)	350mA	1.05	1.01	0.96	0.87
	525mA		1.00	0.95	0.84
	700mA		0.99	0.93	0.81
10°C (50°F)	350mA	1.04	0.99	0.95	0.86
	525mA		0.98	0.93	0.83
	700mA		0.98	0.92	0.80
15°C (59°F)	350mA	1.03	0.98	0.93	0.84
	525mA		0.97	0.92	0.81
	700mA		0.96	0.90	0.78
20°C (68°F)	350mA	1.01	0.97	0.92	0.82
	525mA		0.96	0.90	0.79
	700mA		0.95	0.88	0.76
25°C (77°F)	350mA	1.00	0.95	0.90	0.81
	525mA		0.94	0.89	0.77
	700mA		0.93	0.87	0.74

[1] Lumen maintence values at 25°C are calculated per TM-21 based on LM-80 data and in-situ luminaire testing
[2] In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip)
[3] In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip)

Electrical Data*

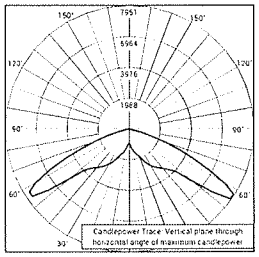
LED Count (x10)	System Watts 120-480V	Total Current 120V	208V	240V	277V	347V	480V
350mA							
02	25	0.21	0.13	0.11	0.10	0.08	0.07
04	46	0.36	0.23	0.21	0.20	0.15	0.12
06	66	0.52	0.31	0.28	0.26	0.20	0.15
08	90	0.75	0.44	0.38	0.34	0.26	0.20
10	110	0.92	0.53	0.47	0.41	0.32	0.24
12	130	1.10	0.63	0.55	0.48	0.38	0.28
14	158	1.32	0.77	0.68	0.62	0.47	0.35
16	179	1.49	0.87	0.77	0.68	0.53	0.39
20	220	1.84	1.06	0.93	0.83	0.64	0.47
24	261	2.19	1.26	1.10	0.97	0.76	0.56
525mA							
02	37	0.30	0.19	0.17	0.16	0.12	0.10
04	70	0.58	0.34	0.31	0.28	0.21	0.16
06	101	0.84	0.49	0.43	0.38	0.30	0.22
08	133	1.13	0.66	0.58	0.51	0.39	0.28
10	171	1.43	0.83	0.74	0.66	0.50	0.38
12	202	1.69	0.98	0.86	0.77	0.59	0.44
14	232	1.94	1.12	0.98	0.87	0.68	0.50
16	263	2.21	1.27	1.11	0.97	0.77	0.56
700mA							
02	50	0.41	0.25	0.22	0.20	0.15	0.12
04	92	0.78	0.46	0.40	0.36	0.27	0.20
06	134	1.14	0.65	0.57	0.50	0.39	0.29

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 7% when operating between 120-480V +/- 10%

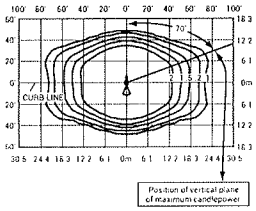
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP certified laboratory. To obtain an IES file specific to your project consult: http://www.cree.com/lighting.

1S



CSA Test Report #: 6358
ARE EDG 1S •• 06 E UL 700
Initial Delivered Lumens: 13,024



ARE EDG 1S •• 12 E UL 525 40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 20,930
Initial FC at grade

Type I Short Distribution

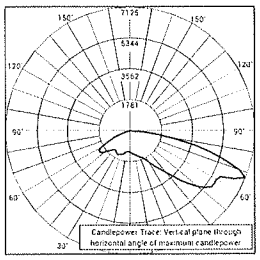
LED Count (x10)	4000K Initial Delivered Lumens*	4000K BUG Ratings** Per TM-15-11	5700K Initial Delivered Lumens*	5700K BUG Ratings** Per TM-15-11
350mA				
02	2,527	B1 U0 G1	2,624	B1 U0 G1
04	2,527	B1 U0 G1	5,247	B2 U0 G1
06	7,493	B3 U0 G2	7,781	B3 U0 G2
08	9,991	B3 U0 G2	10,375	B3 U0 G2
10	12,459	B3 U0 G3	12,938	B3 U0 G3
12	14,950	B4 U0 G3	15,525	B4 U0 G3
14	17,331	B4 U0 G3	17,998	B4 U0 G3
16	19,807	B4 U0 G3	20,569	B4 U0 G3
20	24,759	B5 U0 G3	25,712	B5 U0 G3
24	29,711	B5 U0 G4	30,854	B5 U0 G4
525mA				
02	3,537	B2 U0 G1	3,673	B2 U0 G1
04	7,074	B2 U0 G2	7,346	B3 U0 G2
06	10,490	B3 U0 G2	10,894	B3 U0 G2
08	13,987	B3 U0 G3	14,525	B4 U0 G3
10	17,442	B4 U0 G3	18,113	B4 U0 G3
12	20,930	B4 U0 G3	21,735	B4 U0 G3
14	24,264	B5 U0 G3	25,197	B5 U0 G3
16	27,730	B5 U0 G3	28,797	B5 U0 G4
700mA				
02	4,320	B2 U0 G1	4,487	B2 U0 G1
04	8,973	B3 U0 G2	8,641	B3 U0 G2
06	13,306	B3 U0 G3	12,813	B3 U0 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: www.iesna.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf. Valid with no tilt

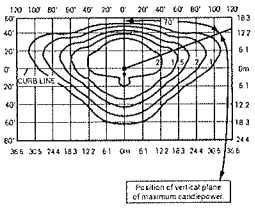
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP certified laboratory. To obtain an IES file specific to your project consult: http://www.cree.com/lighting.

2M



CSA Test Report #: 6371
ARE EDG 2M ** 06 E UL 700 40K
Initial Delivered Lumens: 10,985



ARE EDG 2M ** 12 E UL 525 40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 17,710
Initial FC at grade

Type II Medium Distribution

LED Count (x10)	4000K Initial Delivered Lumens*	4000K BUG Ratings** Per TM-15-11	5700K Initial Delivered Lumens*	5700K BUG Ratings** Per TM-15-11
350mA				
02	2,138	B1 U0 G1	2,220	B1 U0 G1
04	4,276	B1 U0 G1	4,440	B1 U0 G1
06	6,340	B2 U0 G1	6,584	B2 U0 G2
08	8,454	B2 U0 G2	8,779	B2 U0 G2
10	10,542	B2 U0 G2	10,947	B2 U0 G2
12	12,650	B2 U0 G2	13,137	B3 U0 G3
14	14,665	B3 U0 G3	15,229	B3 U0 G3
16	16,760	B3 U0 G3	17,405	B3 U0 G3
20	20,950	B3 U0 G3	21,756	B3 U0 G3
24	25,140	B3 U0 G3	26,107	B4 U0 G3
525mA				
02	2,993	B1 U0 G1	3,108	B1 U0 G1
04	5,986	B2 U0 G1	6,216	B2 U0 G1
06	8,876	B2 U0 G2	9,218	B2 U0 G2
08	11,835	B2 U0 G2	12,290	B2 U0 G2
10	14,759	B3 U0 G3	15,326	B3 U0 G3
12	17,710	B3 U0 G3	18,391	B3 U0 G3
14	20,531	B3 U0 G3	21,321	B3 U0 G3
16	23,464	B3 U0 G3	24,367	B3 U0 G3
700mA				
02	3,656	B1 U0 G1	3,796	B1 U0 G1
04	7,311	B2 U0 G2	7,593	B2 U0 G2
06	10,842	B2 U0 G2	11,259	B2 U0 G2

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: www.iesna.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf. Valid with no tilt

Photometry

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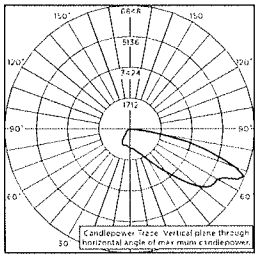
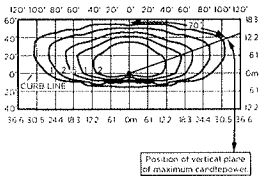
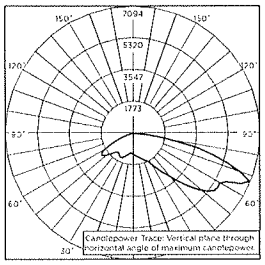
2MB/2MP



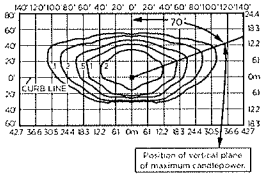
CSA Test Report #: 6447
ARE EDG 2MB •• 06 E UL 700 40K
Initial Delivered Lumens: 7,953



ARE EDG 2MB •• 12 E UL 525 40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 13,340
Initial FC at grade



CSA Test Report #: 6361
ARE EDG 2MP •• 06 E UL 700 40K
Initial Delivered Lumens: 9,912



ARE EDG 2MP •• 12 E UL 525 40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 15,640
Initial FC at grade

Type II Medium Distribution w/BLS

LED Count (x10)	4000K Initial Delivered Lumens w/BLS*	4000K BUG Ratings** Per TM-15-11	5700K Initial Delivered Lumens w/BLS*	5700K BUG Ratings** Per TM-15-11
350mA				
02	1,610	B0 U0 G1	1,672	B0 U0 G1
04	3,221	B0 U0 G1	3,345	B0 U0 G1
06	4,776	B0 U0 G1	4,959	B1 U0 G1
08	6,368	B1 U0 G2	6,613	B1 U0 G2
10	7,941	B1 U0 G2	8,246	B1 U0 G2
12	9,529	B1 U0 G2	9,895	B1 U0 G2
14	11,046	B1 U0 G2	11,471	B1 U0 G2
16	12,624	B1 U0 G2	13,110	B1 U0 G2
20	15,781	B2 U0 G2	16,388	B2 U0 G3
24	18,937	B2 U0 G3	19,665	B2 U0 G3
525mA				
02	2,254	B0 U0 G1	2,341	B0 U0 G1
04	4,509	B1 U0 G1	4,682	B1 U0 G1
06	6,686	B1 U0 G2	6,943	B1 U0 G2
08	8,915	B1 U0 G2	9,258	B1 U0 G2
10	11,117	B1 U0 G2	11,544	B1 U0 G2
12	13,340	B1 U0 G2	13,853	B1 U0 G2
14	15,465	B2 U0 G2	16,060	B2 U0 G3
16	17,674	B2 U0 G3	18,354	B2 U0 G3
700mA				
02	2,754	B0 U0 G1	2,860	B0 U0 G1
04	5,507	B1 U0 G1	5,719	B1 U0 G1
06	8,167	B1 U0 G2	8,481	B1 U0 G2

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens
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Photometry

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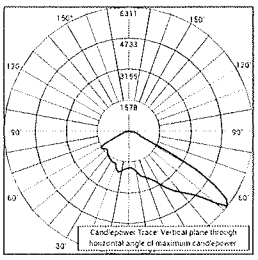
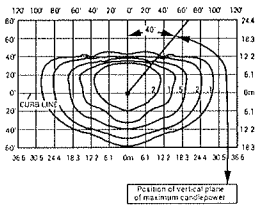
2S



CSA Test Report #: 6370
ARE EDG 2S •• 06 E UL 700 40K
Initial Delivered Lumens: 11,977



ARE EDG 2S•• 12 E UL 525 40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 18,860
Initial FC at grade

Type II Short Distribution

LED Count (x10)	4000K Initial Delivered Lumens*	4000K BUG Ratings** Per TM-15-11	5700K Initial Delivered Lumens*	5700K BUG Ratings** Per TM-15-11
350mA				
02	2,277	B1 U0 G1	2,364	B1 U0 G1
04	4,553	B1 U0 G1	4,728	B1 U0 G1
06	6,752	B2 U0 G2	7,012	B2 U0 G2
08	9,003	B2 U0 G2	9,349	B2 U0 G2
10	11,226	B3 U0 G3	11,658	B3 U0 G3
12	13,472	B3 U0 G3	13,990	B3 U0 G3
14	15,617	B3 U0 G3	16,218	B3 U0 G3
16	17,848	B3 U0 G3	18,535	B3 U0 G3
20	22,311	B3 U0 G3	23,169	B3 U0 G3
24	26,773	B4 U0 G4	27,802	B4 U0 G4
525mA				
02	3,187	B1 U0 G1	3,310	B1 U0 G1
04	6,375	B2 U0 G2	6,620	B2 U0 G2
06	9,453	B2 U0 G2	9,816	B3 U0 G3
08	12,604	B3 U0 G3	13,088	B3 U0 G3
10	15,717	B3 U0 G3	16,321	B3 U0 G3
12	18,860	B3 U0 G3	19,586	B3 U0 G3
14	21,864	B3 U0 G3	22,705	B3 U0 G3
16	24,988	B4 U0 G4	25,949	B4 U0 G4
700mA				
02	4,043	B1 U0 G1	3,893	B1 U0 G1
04	7,786	B2 U0 G2	8,086	B2 U0 G2
06	11,546	B3 U0 G3	11,990	B3 U0 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens
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Photometry

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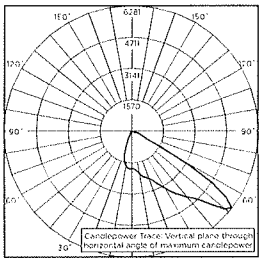
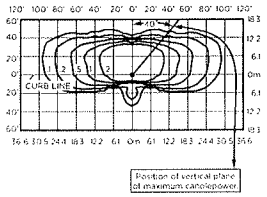
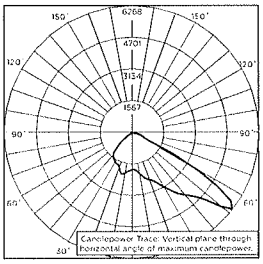
2SB/2SP



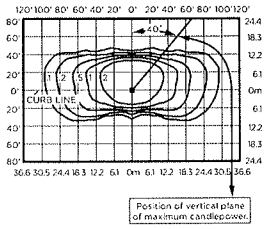
CSA Test Report #: 6454
ARE EDG 2SB •• 06 E UL 700 40K
Initial Delivered Lumens: 9,202



ARE EDG 2SB •• 12 E UL 525 40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 14,490
Initial FC at grade



CSA Test Report #: 6360
ARE EDG 2SP •• 06 E UL 700 40K
Initial Delivered Lumens: 10,851



ARE EDG 2SP •• 12 E UL 525 40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 16,790
Initial FC at grade

Type II Short Distribution w/BLS

LED Count (x10)	4000K Initial Delivered Lumens w/BLS*	4000K BUG Ratings** Per TM-15-11	5700K Initial Delivered Lumens w/BLS*	5700K BUG Ratings** Per TM-15-11
350mA				
02	1,749	B0 U0 G1	1,816	B0 U0 G1
04	3,498	B1 U0 G1	3,633	B1 U0 G1
06	5,188	B1 U0 G1	5,387	B1 U0 G1
08	6,917	B1 U0 G1	7,183	B1 U0 G1
10	8,625	B2 U0 G1	8,957	B2 U0 G1
12	10,350	B2 U0 G2	10,748	B2 U0 G2
14	11,999	B2 U0 G2	12,460	B2 U0 G2
16	13,713	B2 U0 G2	14,240	B2 U0 G2
20	17,141	B3 U0 G2	17,800	B3 U0 G2
24	20,569	B3 U0 G2	21,360	B3 U0 G3
525mA				
02	2,449	B1 U0 G1	2,543	B1 U0 G1
04	4,898	B1 U0 G1	5,086	B1 U0 G1
06	7,263	B1 U0 G1	7,542	B1 U0 G1
08	9,683	B2 U0 G2	10,056	B2 U0 G2
10	12,075	B2 U0 G2	12,540	B2 U0 G2
12	14,490	B2 U0 G2	15,048	B2 U0 G2
14	16,798	B3 U0 G2	17,444	B3 U0 G2
16	19,198	B3 U0 G2	19,936	B3 U0 G2
700mA				
02	2,991	B1 U0 G1	3,106	B1 U0 G1
04	6,212	B1 U0 G1	5,982	B1 U0 G1
06	9,212	B2 U0 G2	8,871	B2 U0 G1

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens
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Photometry

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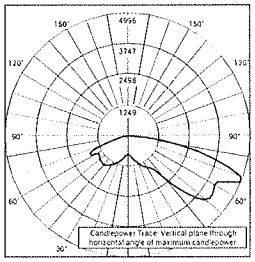
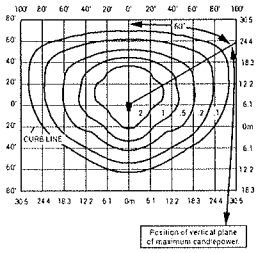
3M



CSA Test Report #: 6401
ARE EDG 3M •• 06 E UL 700 40K
Initial Delivered Lumens: 10,657



ARE EDG 3M •• 12 E UL 525 40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 16,790
Initial FC at grade

Type III Medium Distribution				
	4000K		5700K	
LED Count (x10)	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	2,027	B1 U0 G1	2,105	B1 U0 G1
04	4,054	B1 U0 G1	4,209	B1 U0 G1
06	6,011	B2 U0 G2	6,242	B2 U0 G2
08	8,015	B2 U0 G2	8,323	B2 U0 G2
10	9,994	B3 U0 G3	10,379	B3 U0 G3
12	11,993	B3 U0 G3	12,454	B3 U0 G3
14	13,903	B3 U0 G3	14,438	B3 U0 G3
16	15,889	B3 U0 G3	16,501	B3 U0 G3
20	19,862	B3 U0 G3	20,626	B3 U0 G3
24	23,834	B4 U0 G4	24,751	B4 U0 G4
525mA				
02	2,837	B1 U0 G1	2,947	B1 U0 G1
04	5,675	B2 U0 G2	5,893	B2 U0 G2
06	8,415	B2 U0 G2	8,739	B2 U0 G2
08	11,220	B3 U0 G3	11,652	B3 U0 G3
10	13,992	B3 U0 G3	14,530	B3 U0 G3
12	16,790	B3 U0 G3	17,436	B3 U0 G3
14	19,465	B3 U0 G3	20,213	B3 U0 G3
16	22,245	B3 U0 G3	23,101	B3 U0 G3
700mA				
02	3,466	B1 U0 G1	3,599	B1 U0 G1
04	6,932	B2 U0 G2	7,198	B2 U0 G2
06	10,279	B3 U0 G3	10,674	B3 U0 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens
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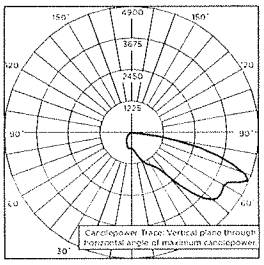
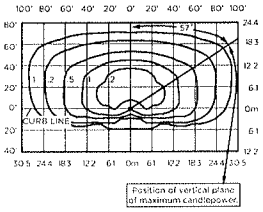
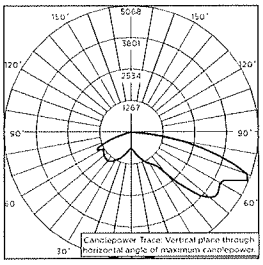
3MB/3MP



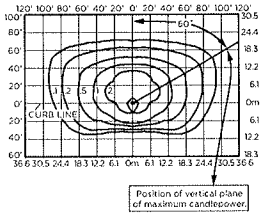
CSA Test Report #: 6648
ARE EDG 3MB •• 06 E UL 700
Initial Delivered Lumens: 7,740



ARE EDG 3MB •• 12 E UL 525 40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 12,420
Initial FC at grade



CSA Test Report #: 6385
ARE EDG 3MP •• 06 E UL 700 40K
Initial Delivered Lumens: 9,619



ARE EDG 3MP •• 12 E UL 525 40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 14,720
Initial FC at grade

Type III Medium Distribution w/BLS

LED Count (x10)	4000K Initial Delivered Lumens w/BLS*	4000K BUG Ratings** Per TM-15-11	5700K Initial Delivered Lumens w/BLS*	5700K BUG Ratings** Per TM-15-11
350mA				
02	1,499	B1 U0 G1	1,557	B1 U0 G1
04	2,999	B1 U0 G1	3,114	B1 U0 G1
06	4,446	B1 U0 G1	4,617	B1 U0 G1
08	5,929	B1 U0 G2	6,157	B1 U0 G2
10	7,393	B1 U0 G2	7,677	B1 U0 G2
12	8,872	B1 U0 G2	9,213	B1 U0 G2
14	10,285	B1 U0 G2	10,680	B1 U0 G2
16	11,754	B1 U0 G3	12,206	B1 U0 G3
20	14,692	B1 U0 G3	15,257	B2 U0 G3
24	17,631	B2 U0 G3	18,309	B2 U0 G3
525mA				
02	2,099	B1 U0 G1	2,180	B1 U0 G1
04	4,198	B1 U0 G1	4,359	B1 U0 G1
06	6,225	B1 U0 G2	6,464	B1 U0 G2
08	8,300	B1 U0 G2	8,619	B1 U0 G2
10	10,350	B1 U0 G2	10,748	B1 U0 G2
12	12,420	B1 U0 G3	12,898	B1 U0 G3
14	14,398	B1 U0 G3	14,952	B2 U0 G3
16	16,455	B2 U0 G3	17,088	B2 U0 G3
700mA				
02	2,564	B1 U0 G1	2,662	B1 U0 G1
04	5,325	B1 U0 G2	5,127	B1 U0 G2
06	7,896	B1 U0 G2	7,603	B1 U0 G2

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens
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Photometry

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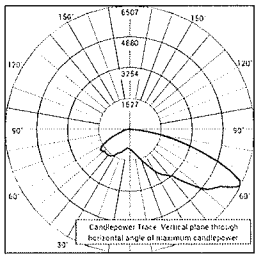
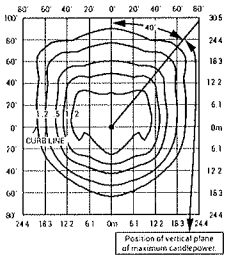
4M



CSA Test Report #: 6438
ARE EDG 4M ** 06 E UL 700 40K
Initial Delivered Lumens: 11,367



ARE EDG 4M ** 12 E UL 525 40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 17,710
Initial FC at grade

Type IV Medium Distribution

LED Count (x10)	4000K Initial Delivered Lumens*	4000K BUG Ratings** Per TM-15-11	5700K Initial Delivered Lumens*	5700K BUG Ratings** Per TM-15-11
350mA				
02	2,138	B1 U0 G1	2,220	B1 U0 G1
04	4,276	B1 U0 G1	4,440	B1 U0 G1
06	6,340	B2 U0 G2	6,584	B2 U0 G2
08	8,454	B2 U0 G2	8,779	B2 U0 G2
10	10,542	B2 U0 G2	10,947	B2 U0 G2
12	12,650	B3 U0 G3	13,137	B3 U0 G3
14	14,665	B3 U0 G3	15,229	B3 U0 G3
16	16,760	B3 U0 G3	17,405	B3 U0 G3
20	20,950	B3 U0 G3	21,756	B3 U0 G3
24	25,140	B4 U0 G3	26,107	B4 U0 G3
525mA				
02	2,993	B1 U0 G1	3,108	B1 U0 G1
04	5,986	B2 U0 G1	6,216	B2 U0 G2
06	8,876	B2 U0 G2	9,218	B2 U0 G2
08	11,835	B3 U0 G2	12,290	B3 U0 G3
10	14,759	B3 U0 G3	15,326	B3 U0 G3
12	17,710	B3 U0 G3	18,391	B3 U0 G3
14	20,531	B3 U0 G3	21,321	B3 U0 G3
16	23,464	B3 U0 G3	24,367	B4 U0 G3
700mA				
02	3,656	B1 U0 G1	3,796	B1 U0 G1
04	7,311	B2 U0 G2	7,593	B2 U0 G2
06	10,842	B2 U0 G2	11,259	B2 U0 G2

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens
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Photometry

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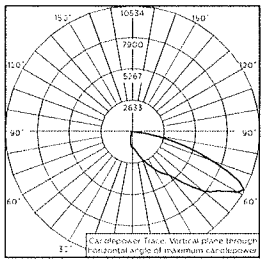
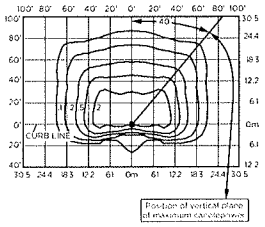
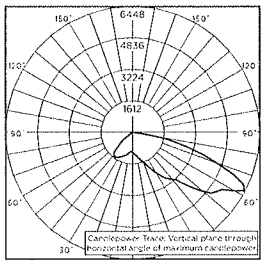
4MB/4MP



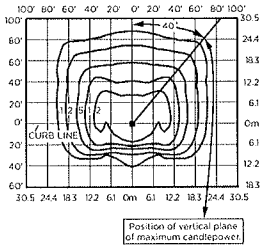
CSA Test Report #: 6449
ARE EDG 4MB •• 12 E UL 525 40K
Initial Delivered Lumens: 13,155



ARE EDG 4MB •• 12 E UL 525 40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 13,340
Initial FC at grade



CSA Test Report #: 6417
ARE EDG 4MP •• 06 E UL 700 40K
Initial Delivered Lumens: 9,912



ARE EDG 4MP •• 12 E UL 525 40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 15,640
Initial FC at grade

Type IV Medium Distribution w/BLS

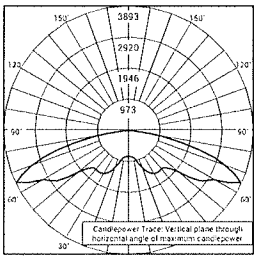
LED Count (x10)	4000K Initial Delivered Lumens w/BLS*	4000K BUG Ratings** Per TM-15-11	5700K Initial Delivered Lumens w/BLS*	5700K BUG Ratings** Per TM-15-11
350mA				
02	1,610	B0 U0 G1	1,672	B0 U0 G1
04	3,221	B1 U0 G1	3,345	B1 U0 G1
06	4,776	B1 U0 G1	4,959	B1 U0 G1
08	6,368	B1 U0 G2	6,613	B1 U0 G2
10	7,941	B1 U0 G2	8,246	B1 U0 G2
12	9,529	B1 U0 G2	9,895	B1 U0 G2
14	11,046	B1 U0 G2	11,471	B1 U0 G2
16	12,624	B1 U0 G2	13,110	B1 U0 G2
20	15,781	B2 U0 G3	16,388	B2 U0 G3
24	18,937	B2 U0 G3	19,665	B2 U0 G3
525mA				
02	2,254	B0 U0 G1	2,341	B0 U0 G1
04	4,509	B1 U0 G1	4,682	B1 U0 G1
06	6,686	B1 U0 G2	6,943	B1 U0 G2
08	8,915	B1 U0 G2	9,258	B1 U0 G2
10	11,117	B1 U0 G2	11,544	B1 U0 G2
12	13,340	B1 U0 G2	13,853	B2 U0 G2
14	15,465	B2 U0 G2	16,060	B2 U0 G3
16	17,674	B2 U0 G3	18,354	B2 U0 G3
700mA				
02	2,754	B0 U0 G1	2,860	B0 U0 G1
04	5,507	B1 U0 G1	5,719	B1 U0 G2
06	8,167	B1 U0 G2	8,481	B1 U0 G2

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: www.iesna.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf. Valid with no tilt

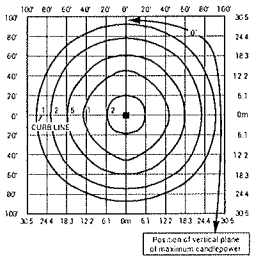
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP certified laboratory. To obtain an IES file specific to your project consult: http://www.cree.com/lighting.

5M



CSA Test Report #: 6416
ARE EDG 5M ** 06 E UL 700 40K
Initial Delivered Lumens: 12,022



ARE EDG 5M ** 12 E UL 525 40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 18,630
Initial FC at grade

Type V Medium Distribution				
	4000K		5700K	
LED Count (x10)	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	2,249	B2 U0 G1	2,335	B2 U0 G1
04	4,498	B3 U0 G1	4,671	B3 U0 G1
06	6,670	B3 U0 G2	6,926	B3 U0 G2
08	8,893	B3 U0 G2	9,235	B3 U0 G2
10	11,089	B4 U0 G2	11,516	B4 U0 G2
12	13,307	B4 U0 G3	13,819	B4 U0 G3
14	15,427	B4 U0 G3	16,020	B4 U0 G3
16	17,631	B4 U0 G3	18,309	B4 U0 G3
20	22,038	B5 U0 G3	22,886	B5 U0 G3
24	26,446	B5 U0 G4	27,463	B5 U0 G4
525mA				
02	3,148	B2 U0 G1	3,270	B2 U0 G1
04	6,297	B3 U0 G2	6,539	B3 U0 G2
06	9,338	B3 U0 G2	9,697	B3 U0 G2
08	12,450	B4 U0 G3	12,929	B4 U0 G3
10	15,525	B4 U0 G3	16,122	B4 U0 G3
12	18,630	B4 U0 G3	19,347	B4 U0 G3
14	21,598	B5 U0 G3	22,428	B5 U0 G3
16	24,683	B5 U0 G3	25,632	B5 U0 G3
700mA				
02	3,846	B2 U0 G1	3,994	B2 U0 G1
04	7,691	B3 U0 G2	7,987	B3 U0 G2
06	11,405	B4 U0 G2	11,844	B4 U0 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: www.iesna.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf. Valid with no tilt

Photometry

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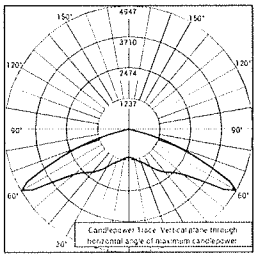
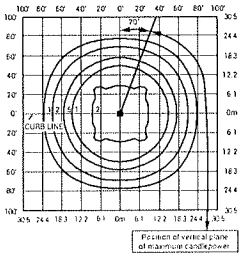
5S



CSA Test Report #: 6362
ARE EDG 5S •• 06 E UL 700 40K
Initial Delivered Lumens: 12,798



ARE EDG 5S •• 12 E UL 525 40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 20,700
Initial FC at grade

Type V Short Distribution

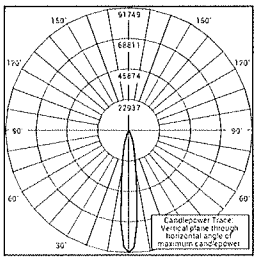
LED Count (x10)	4000K Initial Delivered Lumens*	4000K BUG Ratings** Per TM-15-11	5700K Initial Delivered Lumens*	5700K BUG Ratings** Per TM-15-11
350mA				
02	2,499	B1 U0 G0	2,595	B1 U0 G1
04	4,998	B2 U0 G1	5,190	B2 U0 G1
06	7,411	B3 U0 G1	7,696	B3 U0 G1
08	9,881	B3 U0 G2	10,261	B3 U0 G2
10	12,322	B3 U0 G2	12,796	B3 U0 G2
12	14,786	B4 U0 G2	15,355	B4 U0 G2
14	17,141	B4 U0 G2	17,800	B4 U0 G2
16	19,590	B4 U0 G2	20,343	B4 U0 G2
20	24,487	B4 U0 G2	25,429	B4 U0 G2
24	29,385	B5 U0 G3	30,515	B5 U0 G3
525mA				
02	3,498	B2 U0 G1	3,633	B2 U0 G1
04	6,997	B3 U0 G1	7,266	B3 U0 G1
06	10,375	B3 U0 G2	10,774	B3 U0 G2
08	13,833	B4 U0 G2	14,365	B4 U0 G2
10	17,250	B4 U0 G2	17,914	B4 U0 G2
12	20,700	B4 U0 G2	21,496	B4 U0 G2
14	23,997	B4 U0 G2	24,920	B4 U0 G2
16	27,426	B5 U0 G3	28,480	B5 U0 G3
700mA				
02	4,273	B2 U0 G1	4,437	B2 U0 G1
04	8,546	B3 U0 G1	8,874	B3 U0 G1
06	12,672	B3 U0 G2	13,160	B3 U0 G2

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: www.iesna.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf. Valid with no tilt

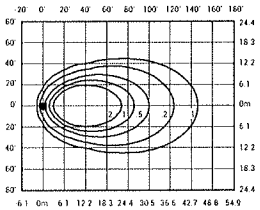
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP certified laboratory. To obtain an IES file specific to your project consult: http://www.cree.com/lighting.

15˚



CESTL Test Report #: 2014-0004
FLD EDG 15 •• 06 E UL 700 40K
Initial Delivered Lumens: 13,035



FLD EDG 15 •• 12 E UL 525 40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 21,160
60˚ Tilt
Initial FC at grade

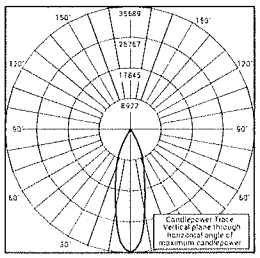
15˚ Flood Distribution		
LED Count (x10)	4000K Initial Delivered Lumens*	5700K Initial Delivered Lumens*
350mA		
02	2,554	2,653
04	5,109	5,305
06	7,575	7,867
08	10,101	10,489
10	12,595	13,080
12	15,115	15,696
14	17,522	18,196
16	20,026	20,795
20	25,031	25,994
24	30,039	31,193
525mA		
02	3,576	3,714
04	7,152	7,427
06	10,606	11,013
08	14,141	14,685
10	17,634	18,312
12	21,160	21,974
14	24,531	25,474
16	28,035	29,113
700mA		
02	4,368	4,536
04	8,736	9,072
06	12,954	13,452

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens

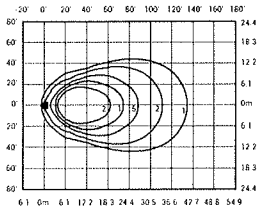
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP certified laboratory. To obtain an IES file specific to your project consult: http://www.cree.com/lighting.

25˚



CESTL Test Report #: 2014-0006
FLD EDG 25 •• 06 E UL 700 40K
Initial Delivered Lumens: 12,924



FLD EDG 25 •• 12 E UL 525 40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 21,160
60˚ Tilt
Initial FC at grade

25˚ Flood Distribution

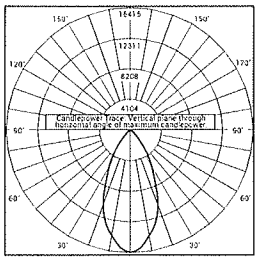
LED Count (x10)	4000K Initial Delivered Lumens*	5700K Initial Delivered Lumens*
350mA		
02	2,554	2,653
04	5,109	5,305
06	7,575	7,867
08	10,101	10,489
10	12,595	13,080
12	15,115	15,696
14	17,522	18,196
16	20,025	20,795
20	25,031	25,994
24	30,038	31,193
525mA		
02	3,576	3,714
04	7,152	7,427
06	10,606	11,013
08	14,141	14,685
10	17,634	18,312
12	21,160	21,974
14	24,531	25,474
16	28,035	29,113
700mA		
02	4,368	4,536
04	8,736	9,072
06	12,954	13,452

* Initial delivered lumens at 25˚C (77˚F). Actual production yield may vary between -4 and +10% of initial delivered lumens

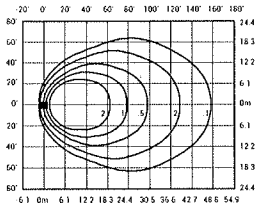
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP certified laboratory. To obtain an IES file specific to your project consult: http://www.cree.com/lighting.

40˚



ITL Test Report #: 79679
CAN EDG 40 •• 06 E UL 700
Initial Delivered Lumens: 12,889



FLD EDG 40 •• 12 E UL 525 40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 20,700
60˚ Tilt
Initial FC at grade

40˚ Flood Distribution

LED Count (x10)	4000K Initial Delivered Lumens*	5700K Initial Delivered Lumens*
350mA		
02	2,499	2,595
04	4,998	5,190
06	7,411	7,696
08	9,881	10,261
10	12,322	12,796
12	14,786	15,355
14	17,141	17,800
16	19,590	20,343
20	24,487	25,429
24	29,385	30,515
525mA		
02	3,498	3,633
04	6,997	7,266
06	10,375	10,774
08	13,833	14,365
10	17,250	17,914
12	20,700	21,496
14	23,997	24,920
16	27,426	28,480
700mA		
02	4,273	4,437
04	8,546	8,874
06	12,672	13,160

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens

Photometry

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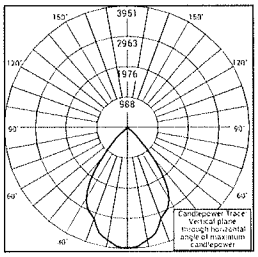
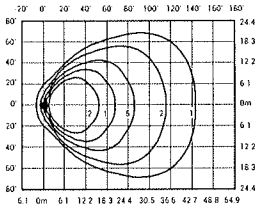
70˚



CESTL Test Report #: 2014-0007
FLD EDG 70 ** 04 E UL 350 40K
Initial Delivered Lumens: 4,734



FLD EDG 70 ** 12 E UL 525 40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 18,860
60˚ Tilt
Initial FC at grade

70˚ Flood Distribution

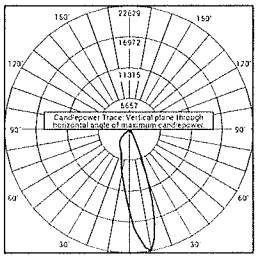
LED Count (x10)	4000K Initial Delivered Lumens*	5700K Initial Delivered Lumens*
350mA		
02	2,277	2,364
04	4,553	4,728
06	6,752	7,012
08	9,003	9,349
10	11,226	11,658
12	13,472	13,990
14	15,617	16,218
16	17,848	18,535
20	22,311	23,169
24	26,773	27,802
525mA		
02	3,187	3,310
04	6,375	6,620
06	9,453	9,816
08	12,604	13,088
10	15,717	16,321
12	18,860	19,586
14	21,864	22,705
16	24,988	25,949
700mA		
02	3,893	4,043
04	7,786	8,086
06	11,546	11,990

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens

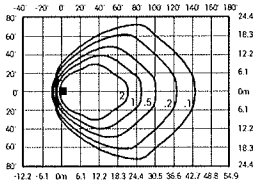
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP certified laboratory. To obtain an IES file specific to your project consult: http://www.cree.com/lighting.

SN



ITL Test Report #: 77680
FLD EDG SN •• 06 E UL 700 40K
Initial Delivered Lumens: 11,885



FLD EDG SN •• 12 E UL 525 40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 19,090
60° Tilt
Initial FC at grade

SN Flood Distribution

LED Count (x10)	4000K Initial Delivered Lumens*	5700K Initial Delivered Lumens*
350mA		
02	2,304	2,393
04	4,609	4,786
06	6,834	7,097
08	9,112	9,463
10	11,363	11,800
12	13,636	14,160
14	15,808	16,416
16	18,066	18,761
20	22,583	23,451
24	27,099	28,141
525mA		
02	3,226	3,350
04	6,452	6,701
06	9,568	9,936
08	12,757	13,248
10	15,909	16,520
12	19,090	19,825
14	22,131	22,982
16	25,293	26,265
700mA		
02	3,941	4,092
04	7,881	8,184
06	11,687	12,136

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens

Photometry

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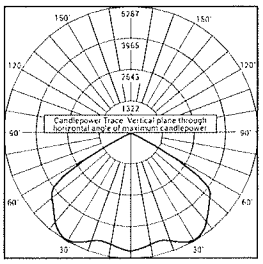
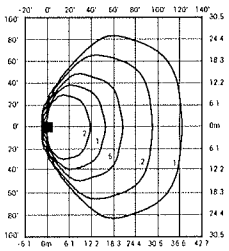
N6



CESTL Test Report #: 2014-0014
FLD EDG N6 •• 06 E UL 700 40K
Initial Delivered Lumens: 13,253



FLD EDG N6 •• 12 E UL 525 40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 21,160
60° Tilt
Initial FC at grade

N6 Flood Distribution

LED Count (x10)	4000K Initial Delivered Lumens*	5700K Initial Delivered Lumens*
350mA		
02	2,554	2,653
04	5,109	5,305
06	7,575	7,867
08	10,101	10,489
10	12,595	13,080
12	15,115	15,696
14	17,522	18,196
16	20,025	20,795
20	25,031	25,994
24	30,038	31,193
525mA		
02	3,576	3,714
04	7,152	7,427
06	10,606	11,013
08	14,141	14,685
10	17,634	18,312
12	21,160	21,974
14	24,531	25,474
16	28,035	29,113
700mA		
02	4,368	4,536
04	8,736	9,072
06	12,954	13,452

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens

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Canada: www.cree.com/canada T (800) 473-1234 F (800) 890-7507

Scale: 1 inch= 30 Ft.

Luminaire Schedule

Symbol	Qty	Label	Arrangement	Lumens	LLF	Description	Lum. Watts	Total Watts
	9	EDG-3M-AA-14 Existing	SINGLE	N.A.	0.850	ARE-EDG-3M-AA-14-D-UL-525-40K	233	2097
	4	SBC-EDG-3M-WM-04-Existing	SINGLE	N.A.	0.850	SBC-EDG-3MWM-04-D-UL-700-40K	92	368
	3	ARE-EDG-3M-AA-06-Relocated	SINGLE	N.A.	0.850	ARE-EDG-3MAA-06-D-UL-525-43K	75.9	227.7
	6	ARE-EDG-3M-AA-06-Relocated	SINGLE	N.A.	0.850	ARE-EDG-3M-AA-06-D-UL-700-43K	136.3	817.8
	4	ARE-EDG-5S-AA-06-BB Existing	BACK-BACK	N.A.	0.850	ARE-EDG-5S-AA-06-D-UE-700-40K	137	1096
	4	SBC-EDG-3M-MM-04-Relocate	SINGLE	N.A.	0.850	SBC-EDG-3MMM-04-D-UL-700-40K	92	368
	7	SBC-EDG-4M-xx-06-New	SINGLE	N.A.	1.000	SBC-EDG-4M-xx-06-E-UL-700-40K	132.1	924.7001
	1	CSGQ A xx 40D J 40K-UL-New	TWIN-060 030	N.A.	0.930	CSGQ A xx 40D J 40K-UL	168	336

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Site	Illuminance	Fc	2.93	11.5	0.1	29.30	115.00

These drawings are for conceptual use only and are not intended for construction. Values represented are an approximation generated from manufacturers photometric inhouse or independent lab tests with data supplied by lamp manufacturers.

THE OMNILITE COLLECTION

#	Date	Comments

Revisions

Drawn By: Joe Frey
Sales Agent:Steve Zimmer
Date:7/6/2015

Scale: 1" = 30'

Atlantic Subaru

Site Lighting

OL781-291