

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P383415

Luminaire Tested: **GLEON-SA7B-735-U-RW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383415  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GLEON-SA7B-735-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 38488.8 lumens  
Efficiency: N/A  
Efficacy: 130.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B5 - U0 - G5

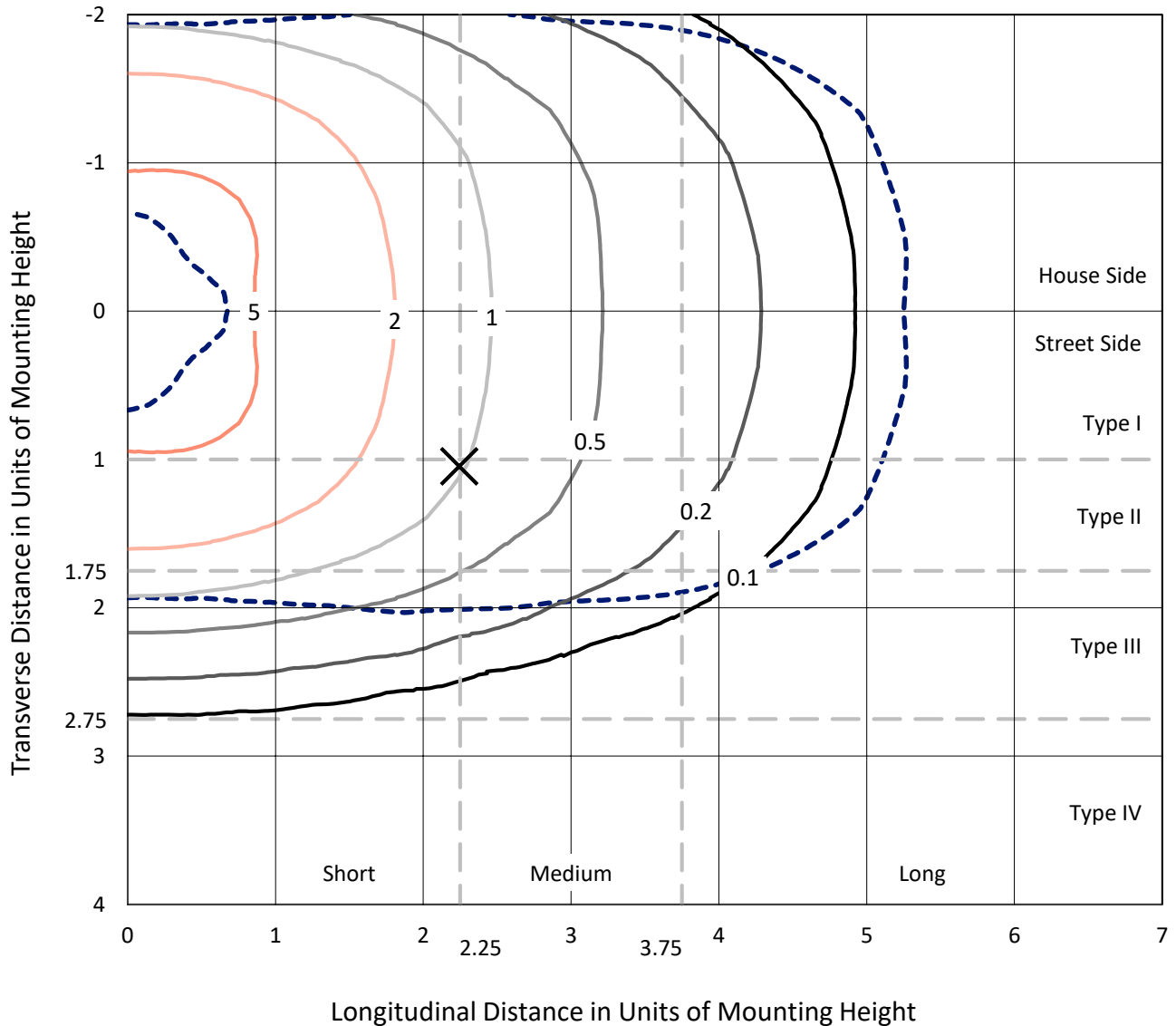
Input Watts (W): 295  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

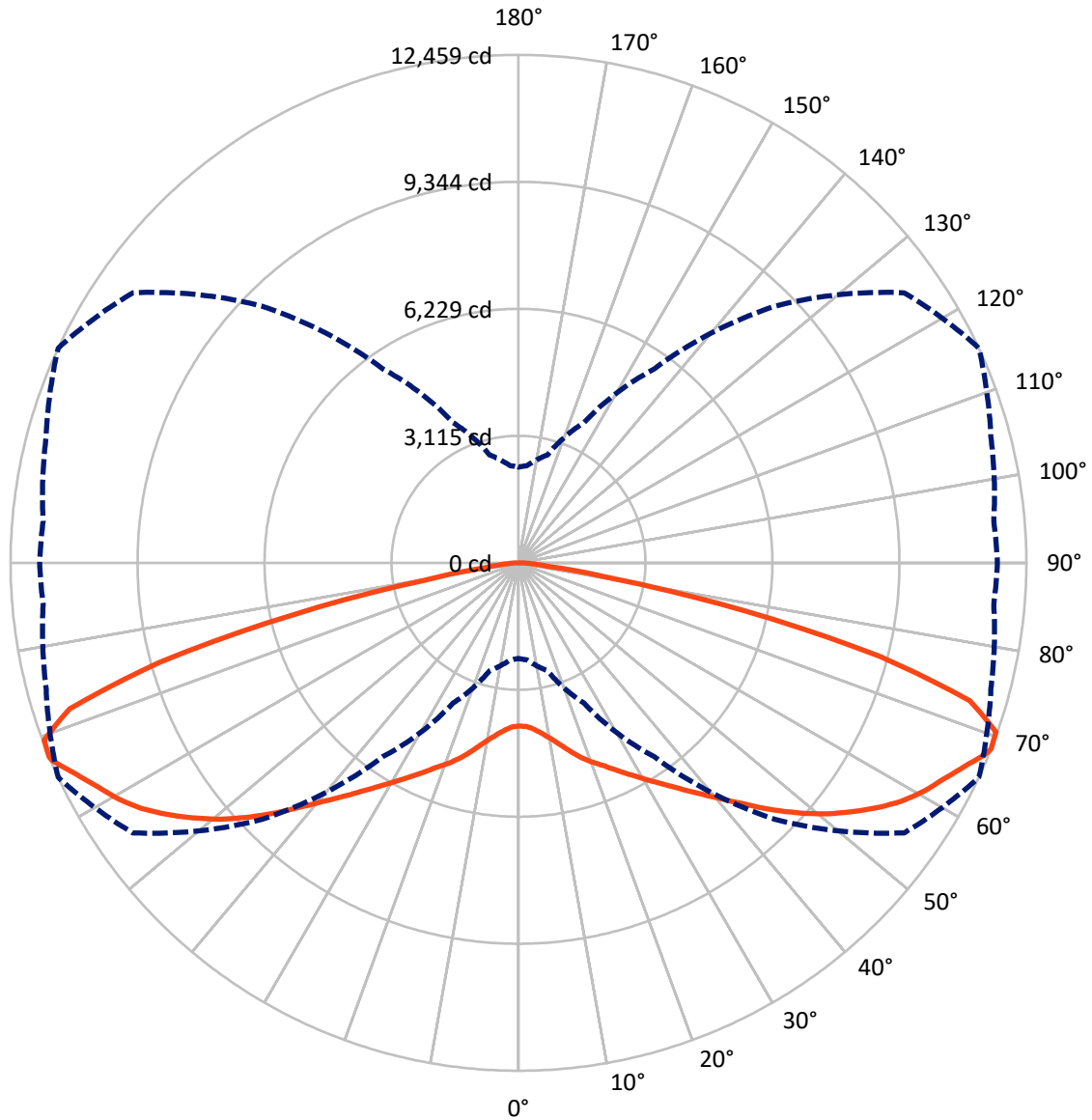
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	19244.4	0.0	19244.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19244.4	0.0	19244.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	38488.8	0.0	38488.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	391.8	1.0
10°-20°	1312.0	3.4
20°-30°	2558.0	6.6
30°-40°	4297.2	11.2
40°-50°	6770.9	17.6
50°-60°	9055.0	23.5
60°-70°	8802.6	22.9
70°-80°	4811.9	12.5
80°-90°	489.4	1.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	38488.8	100.0
0°-180°	38488.8	100.0

**Coefficient of Utilization**

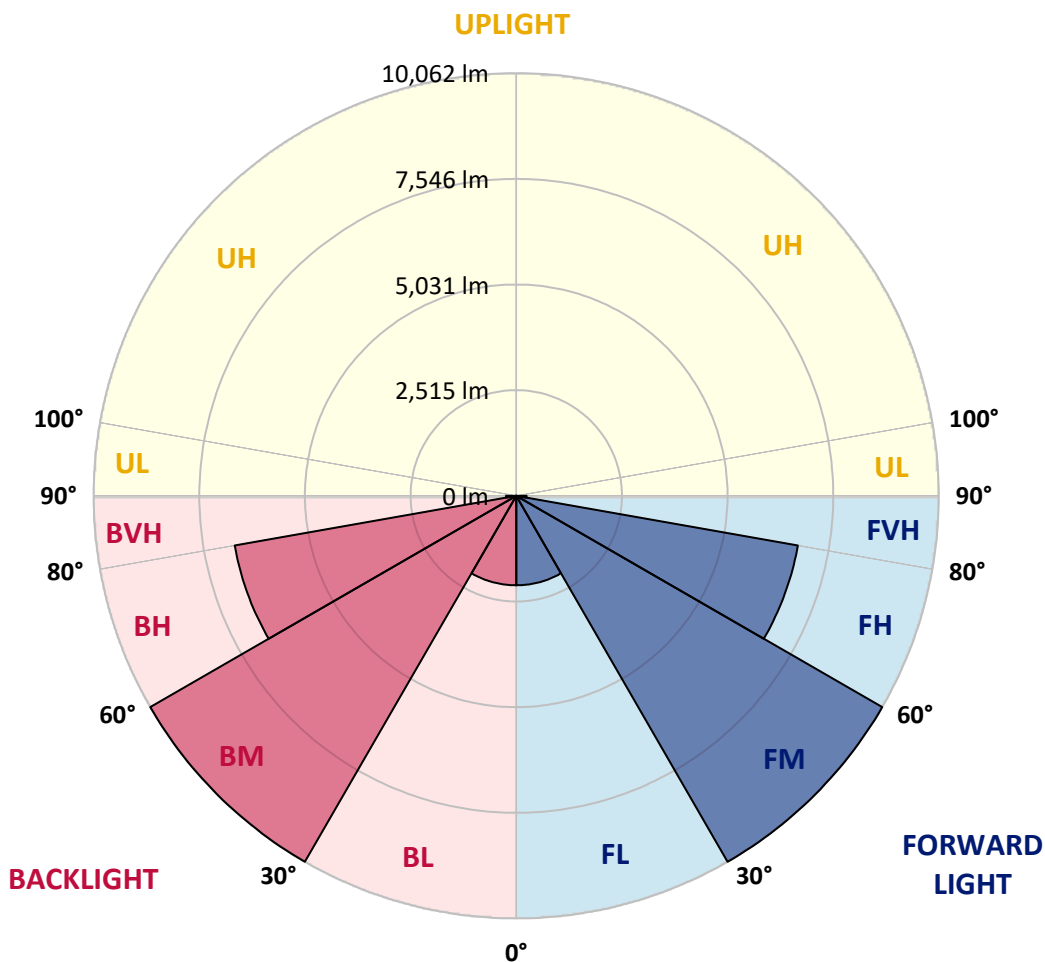


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2130.9	5.5			
FM (30°-60°)	10061.6	26.1			
FH (60°-80°)	6807.2	17.7			G3/7500
FVH (80°-90°)	244.7	0.6			G3/500
BL (0°-30°)	2130.9	5.5	B3/2500		
BM (30°-60°)	10061.6	26.1	B5		
BH (60°-80°)	6807.2	17.7	B5		G5
BVH (80°-90°)	244.7	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4001.9	4001.9	4001.9	4001.9	4001.9	4001.9	4001.9	4001.9	4001.9	4001.9	4001.9
2.5°	3973.5	3974.8	3981.2	3989.0	3995.5	4012.3	4016.1	4022.6	4025.1	4031.6	4031.6
5°	3938.7	3941.3	3956.7	3977.4	4000.6	4041.9	4071.6	4105.1	4121.9	4140.0	4138.7
7.5°	3934.9	3941.3	3963.2	3996.8	4035.5	4103.8	4165.8	4233.0	4278.1	4319.4	4316.8
10°	3974.8	3985.2	4016.1	4066.5	4124.5	4209.7	4301.3	4391.7	4470.4	4533.7	4536.2
12.5°	4035.5	4048.4	4097.4	4173.5	4261.4	4371.0	4479.4	4581.4	4689.8	4784.0	4791.7
15°	4115.5	4132.3	4205.8	4319.4	4453.6	4584.0	4700.1	4804.6	4929.8	5060.2	5073.0
17.5°	4234.3	4257.5	4354.2	4507.9	4684.7	4827.8	4949.1	5027.9	5132.5	5266.6	5291.2
20°	4414.9	4444.6	4567.2	4750.4	4966.0	5115.7	5208.6	5225.3	5276.9	5397.0	5425.3
22.5°	4649.7	4675.6	4812.4	5030.5	5271.8	5434.4	5483.5	5416.3	5411.2	5508.0	5535.1
25°	4911.8	4935.0	5093.7	5338.9	5598.3	5777.6	5776.4	5646.0	5555.7	5630.6	5659.0
27.5°	5206.0	5242.1	5394.4	5652.5	5930.0	6106.8	6096.4	5895.1	5723.5	5742.8	5767.4
30°	5544.1	5584.1	5732.6	5994.5	6271.9	6444.9	6432.0	6166.1	5908.1	5856.5	5874.5
32.5°	5963.5	6011.3	6151.9	6410.1	6655.3	6811.4	6773.9	6460.4	6130.0	6017.7	6034.5
35°	6468.1	6496.5	6644.9	6899.1	7097.9	7205.1	7126.2	6801.0	6411.4	6275.8	6275.8
37.5°	6979.2	7001.1	7167.6	7414.1	7606.4	7663.2	7509.6	7174.0	6779.2	6586.9	6590.7
40°	7469.6	7529.0	7716.1	7969.0	8158.7	8174.2	7970.3	7599.9	7188.2	6989.5	7012.7
42.5°	7981.9	8040.0	8263.2	8549.7	8717.5	8743.3	8504.6	8077.4	7650.2	7488.9	7514.7
45°	8438.8	8485.2	8743.3	9076.3	9285.4	9352.5	9069.8	8624.5	8149.6	7992.2	7998.7
47.5°	8757.5	8818.2	9102.1	9494.4	9798.9	9902.3	9624.7	9157.6	8641.4	8450.3	8467.1
50°	9046.6	9078.9	9366.6	9795.1	10182.3	10395.2	10157.8	9684.1	9138.2	8935.6	8953.7
52.5°	9207.9	9249.2	9528.0	9974.5	10432.6	10775.9	10631.4	10157.8	9618.3	9420.8	9442.8
55°	9095.6	9126.7	9460.9	10014.5	10587.5	11010.8	11032.7	10621.0	10089.3	9916.4	9978.4
57.5°	8584.6	8623.3	9031.1	9756.4	10606.9	11169.5	11334.7	11050.8	10529.4	10388.7	10424.9
60°	7785.8	7810.3	8245.2	9060.8	10230.0	11235.3	11527.0	11401.8	10960.4	10819.7	10868.8
62.5°	6362.3	6398.4	6918.5	8011.6	9433.8	11040.4	11712.8	11692.1	11361.8	11232.8	11276.7
65°	4349.1	4412.3	4987.9	6370.0	8206.5	10444.2	11881.9	12030.3	11716.7	11554.1	11612.2
67.5°	2626.2	2672.7	3089.5	4205.8	6279.7	9241.5	11707.7	12414.8	11967.0	11705.1	11752.9
68°	2347.5	2390.1	2738.5	3795.4	5808.7	8902.1	11549.0	12458.7	11994.1	11702.5	11745.0
70°	1418.3	1446.7	1680.2	2346.2	3872.9	7061.8	10466.2	12422.7	12167.1	11738.6	11763.1
72.5°	924.0	933.0	971.8	1204.0	1978.4	3949.0	7855.5	11576.1	12426.5	11949.0	11945.1
75°	767.9	762.7	766.6	793.7	975.6	1731.9	4590.4	9144.6	11845.7	11617.3	11536.0
77.5°	649.1	645.3	644.0	645.3	653.0	836.3	1992.6	5696.4	9064.7	10276.5	10348.7
80°	525.2	520.1	536.9	529.1	505.9	520.1	834.9	2369.4	4272.9	4596.8	4307.8
82.5°	382.0	362.7	434.9	414.3	394.9	366.5	460.7	765.3	1019.5	699.5	491.7
85°	294.3	273.6	330.4	317.5	271.0	187.1	273.6	374.3	413.0	236.1	185.8
87.5°	120.0	126.5	238.8	188.5	158.7	90.4	112.3	149.7	201.3	100.7	77.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)