

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: P383639

Luminaire Tested: **GLEON-SA9B-735-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383639
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-SA9B-735-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 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: 48649.1 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

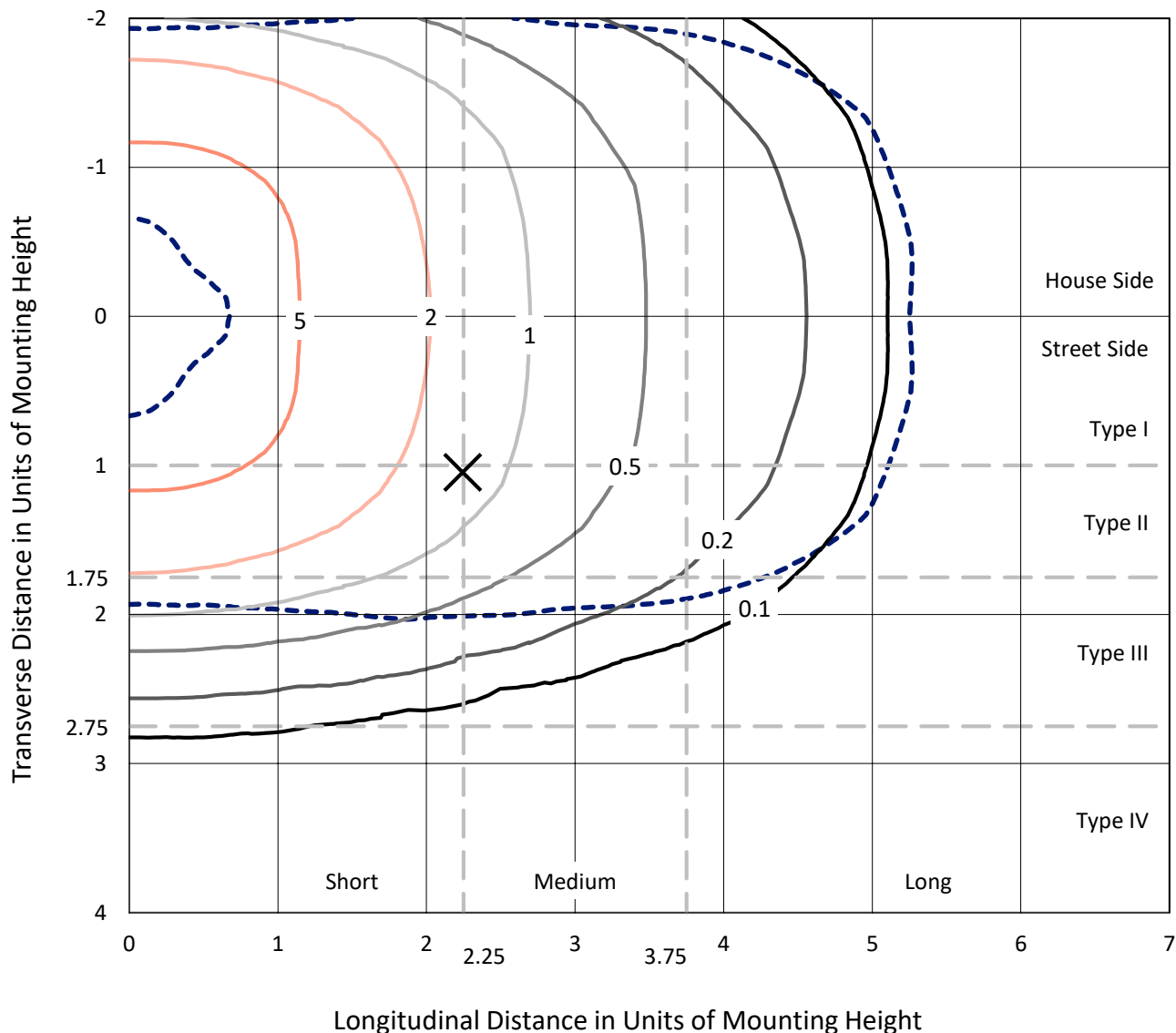
Input Watts (W): 374
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

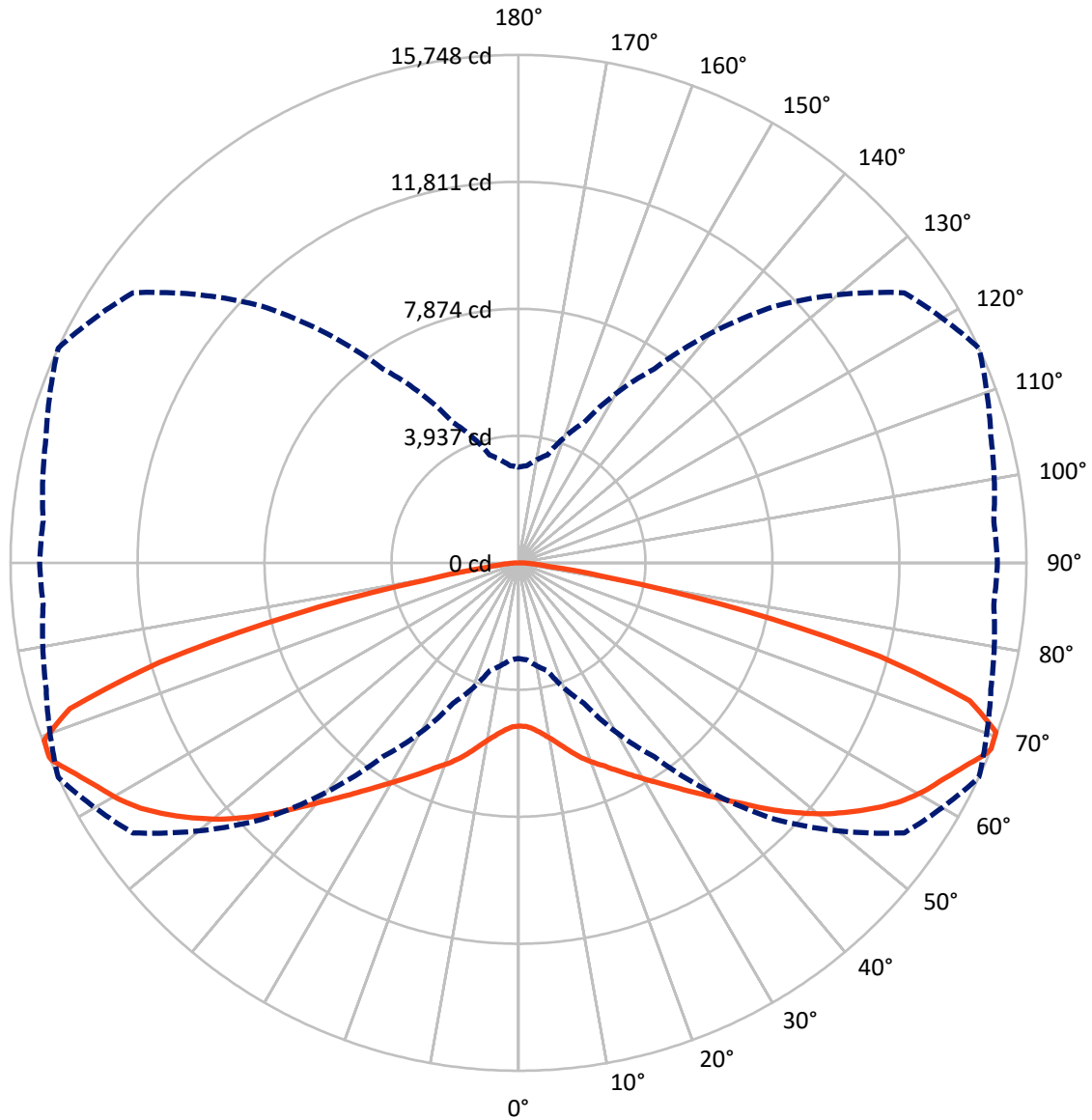
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 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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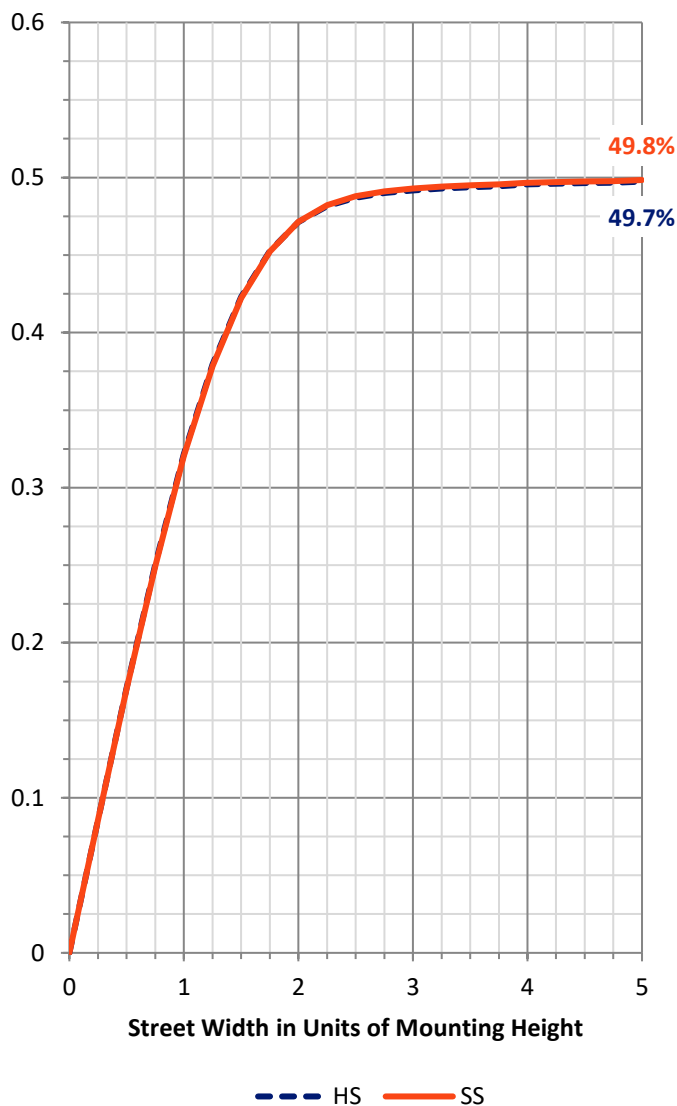
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24324.6	0.0	24324.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24324.6	0.0	24324.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	48649.1	0.0	48649.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	495.2	1.0
10°-20°	1658.3	3.4
20°-30°	3233.3	6.6
30°-40°	5431.6	11.2
40°-50°	8558.3	17.6
50°-60°	11445.3	23.5
60°-70°	11126.3	22.9
70°-80°	6082.2	12.5
80°-90°	618.6	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°	48649.1	100.0
0°-180°	48649.1	100.0

Coefficient of Utilization



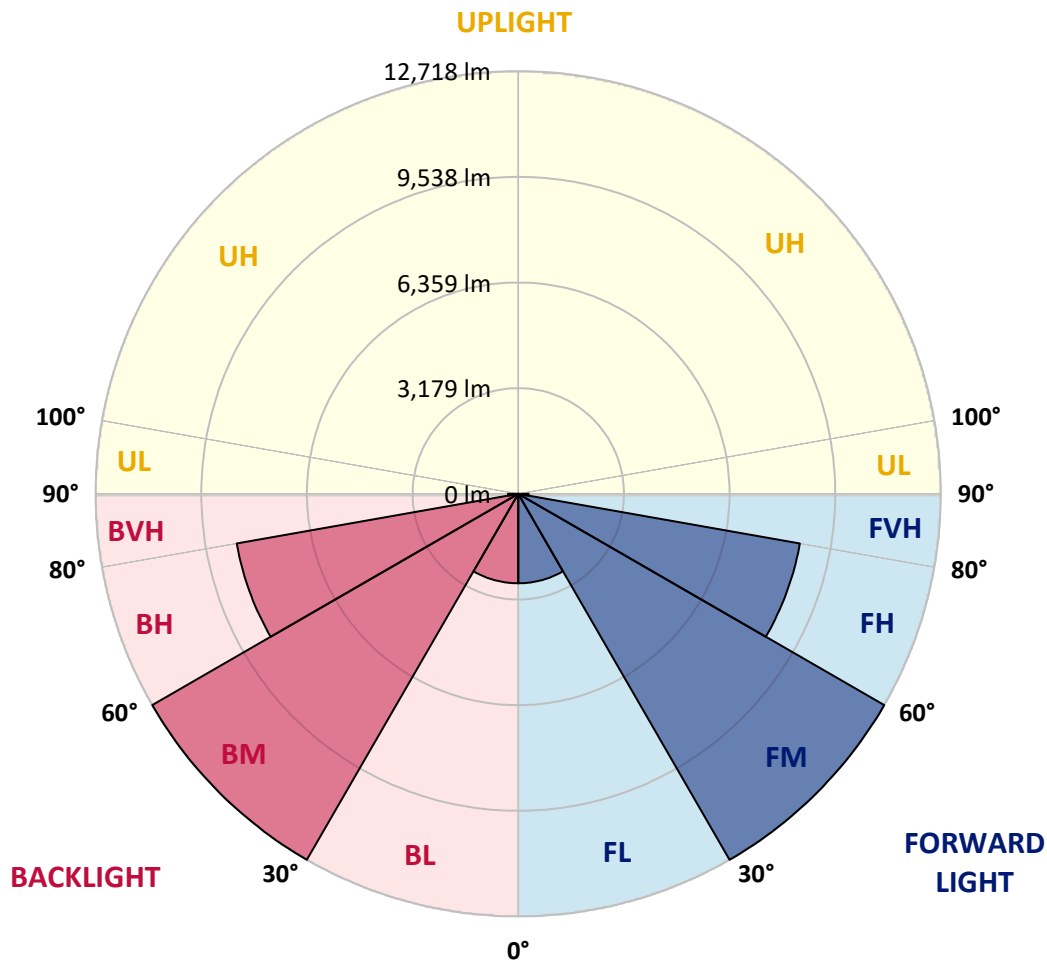
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2693.4	5.5			
FM (30°-60°)	12717.6	26.1			
FH (60°-80°)	8604.2	17.7			G4/12000
FVH (80°-90°)	309.3	0.6			G3/500
BL (0°-30°)	2693.4	5.5	B4/5000		
BM (30°-60°)	12717.6	26.1	B5		
BH (60°-80°)	8604.2	17.7	B5		G5
BVH (80°-90°)	309.3	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°	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4
2.5°	5022.4	5024.1	5032.3	5042.1	5050.2	5071.4	5076.3	5084.5	5087.7	5095.8	5095.8
5°	4978.5	4981.7	5001.3	5027.4	5056.7	5109.0	5146.4	5188.9	5210.1	5232.9	5231.3
7.5°	4973.5	4981.7	5009.4	5051.9	5100.8	5187.2	5265.6	5350.3	5407.4	5459.6	5456.4
10°	5024.1	5037.2	5076.3	5139.9	5213.3	5321.0	5436.8	5551.0	5650.5	5730.4	5733.7
12.5°	5100.8	5117.1	5179.0	5275.4	5386.2	5524.9	5661.9	5790.8	5927.8	6046.9	6056.6
15°	5201.9	5223.1	5316.1	5459.6	5629.2	5794.0	5940.9	6072.9	6231.2	6395.9	6412.3
17.5°	5352.0	5381.4	5503.7	5697.8	5921.3	6102.4	6255.7	6355.2	6487.3	6656.9	6688.0
20°	5580.3	5617.9	5772.8	6004.5	6276.9	6466.1	6583.5	6604.8	6670.0	6821.7	6857.6
22.5°	5877.2	5909.8	6082.7	6358.5	6663.5	6869.0	6931.0	6846.1	6839.6	6962.0	6996.2
25°	6208.4	6237.7	6438.4	6748.3	7076.1	7302.9	7301.3	7136.5	7022.4	7116.9	7152.8
27.5°	6580.3	6625.9	6818.5	7144.7	7495.4	7718.9	7705.9	7451.4	7234.4	7258.9	7289.8
30°	7007.7	7058.2	7245.9	7576.9	7927.7	8146.2	8129.9	7793.9	7467.7	7402.4	7425.3
32.5°	7537.8	7598.2	7775.9	8102.2	8412.2	8609.5	8562.2	8165.9	7748.2	7606.3	7627.5
35°	8175.6	8211.5	8399.1	8720.4	8971.6	9107.0	9007.5	8596.4	8103.8	7932.6	7932.6
37.5°	8821.6	8849.3	9059.7	9371.3	9614.3	9686.1	9492.0	9067.9	8568.7	8325.7	8330.6
40°	9441.4	9516.4	9752.9	10072.7	10312.5	10332.1	10074.3	9606.1	9085.8	8834.6	8864.0
42.5°	10089.0	10162.4	10444.6	10806.7	11018.8	11051.4	10749.6	10209.7	9669.7	9465.9	9498.5
45°	10666.4	10725.2	11051.4	11472.3	11736.5	11821.3	11464.1	10901.3	10301.1	10102.1	10110.2
47.5°	11069.4	11146.1	11504.9	12000.8	12385.8	12516.3	12165.5	11575.0	10922.6	10681.1	10702.4
50°	11434.7	11475.5	11839.3	12380.8	12870.2	13139.4	12839.2	12240.5	11550.5	11294.5	11317.3
52.5°	11638.7	11690.8	12043.1	12607.6	13186.6	13620.5	13437.9	12839.2	12157.3	11907.8	11935.5
55°	11496.7	11535.9	11958.4	12658.1	13382.4	13917.4	13945.2	13424.8	12752.8	12534.2	12612.5
57.5°	10850.8	10899.7	11415.2	12331.9	13406.8	14118.1	14326.8	13968.0	13309.0	13131.2	13176.8
60°	9841.1	9872.1	10421.8	11452.7	12930.5	14201.3	14570.0	14411.7	13853.8	13676.1	13738.0
62.5°	8041.9	8087.5	8744.9	10126.5	11924.1	13955.0	14804.8	14778.7	14361.1	14198.0	14253.4
65°	5497.2	5577.1	6304.6	8051.6	10372.9	13201.3	15018.5	15206.1	14809.7	14604.2	14677.6
67.5°	3319.5	3378.3	3905.1	5316.1	7937.4	11681.0	14798.3	15692.2	15126.2	14795.0	14855.4
68°	2967.2	3021.0	3461.4	4797.4	7342.1	11252.1	14597.6	15747.6	15160.4	14791.8	14845.6
70°	1792.7	1828.5	2123.8	2965.5	4895.3	8926.0	13229.1	15702.0	15379.0	14837.4	14868.4
72.5°	1168.0	1179.3	1228.3	1521.9	2500.6	4991.5	9929.2	14631.9	15706.9	15103.4	15098.4
75°	970.6	964.1	968.9	1003.2	1233.2	2189.0	5802.2	11558.7	14972.9	14684.1	14581.3
77.5°	820.5	815.6	814.0	815.6	825.4	1057.0	2518.6	7200.1	11457.6	12989.3	13080.6
80°	663.9	657.4	678.5	668.8	639.4	657.4	1055.4	2994.9	5400.9	5810.3	5445.0
82.5°	482.8	458.4	549.7	523.6	499.1	463.3	582.3	967.3	1288.6	884.1	621.5
85°	371.9	345.8	417.6	401.3	342.5	236.5	345.8	473.0	521.9	298.5	234.9
87.5°	151.7	159.9	301.7	238.2	200.7	114.2	141.9	189.2	254.5	127.2	97.9
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)