

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: P383634

Luminaire Tested: **GLEON-SA9B-735-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383634
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
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-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49995.3 lumens
Efficiency: N/A
Efficacy: 133.7 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

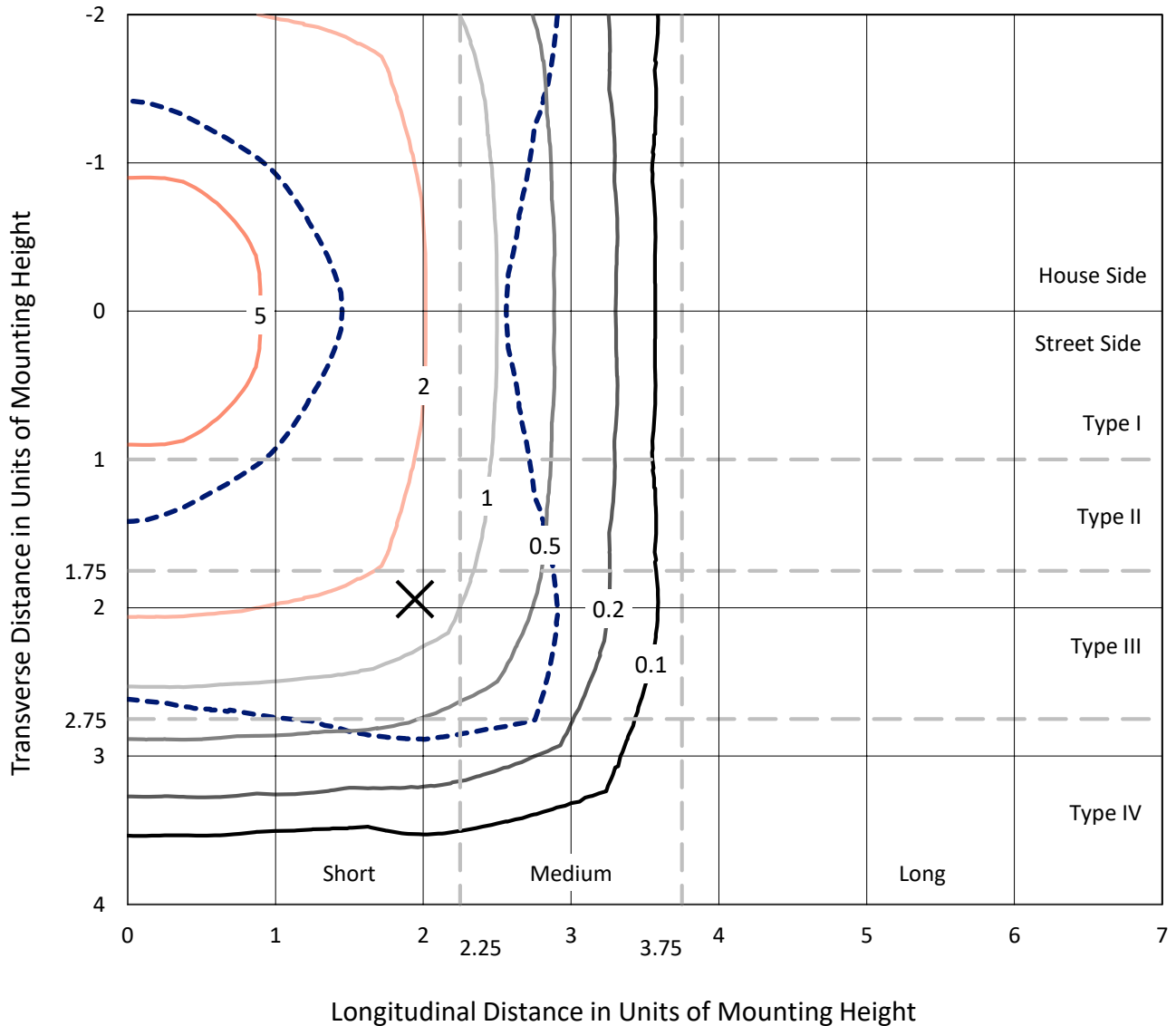
Input Watts (W): 374
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

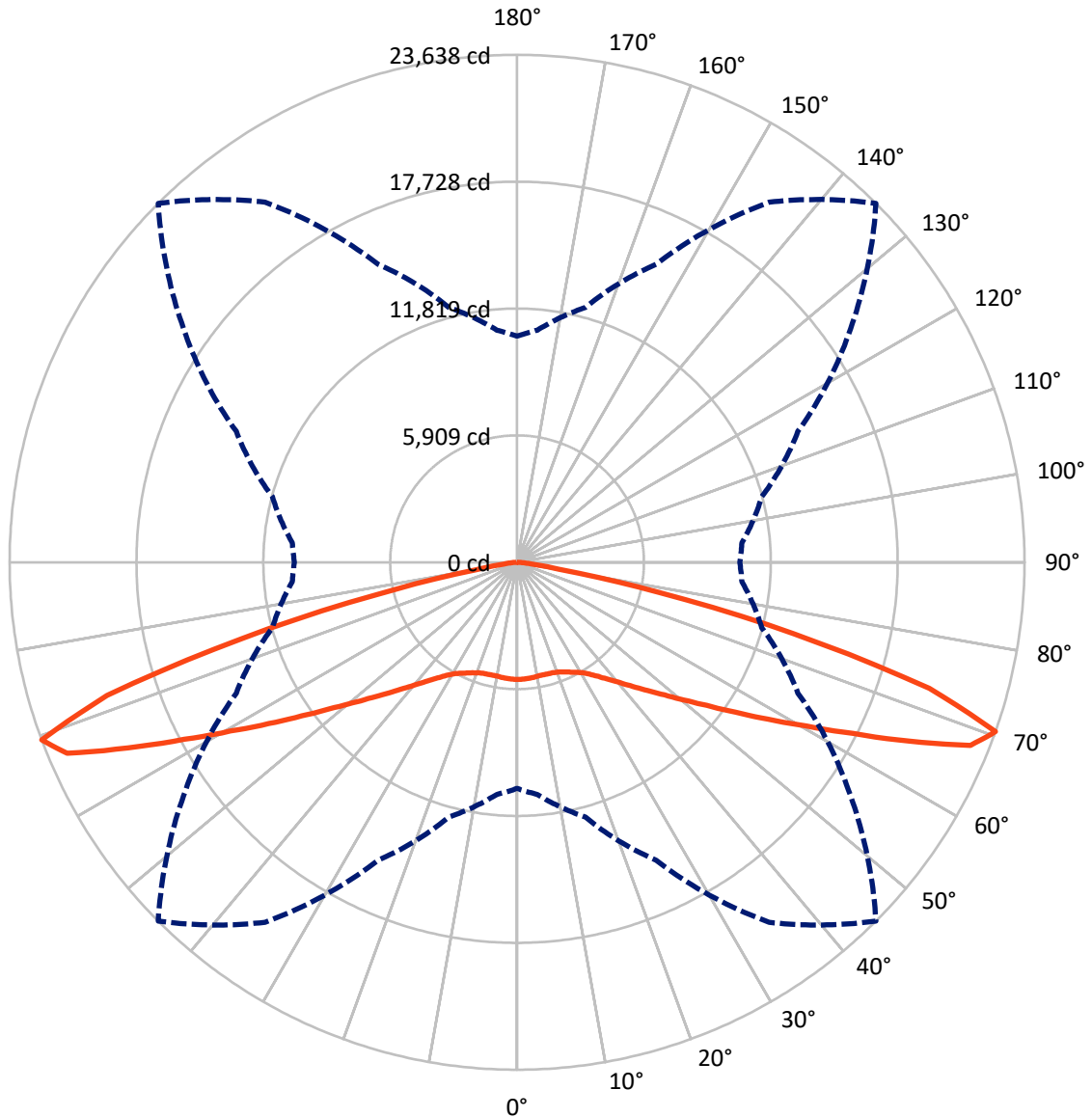
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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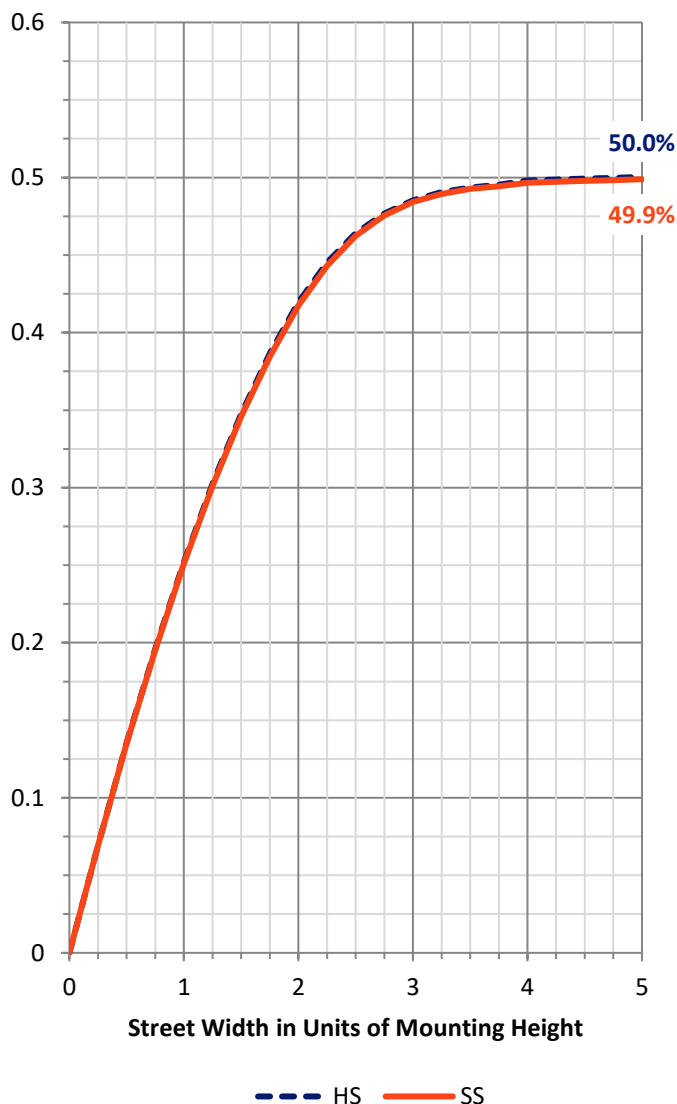
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24997.6	0.0	24997.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24997.6	0.0	24997.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	49995.3	0.0	49995.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	517.1	1.0
10°-20°	1518.2	3.0
20°-30°	2584.5	5.2
30°-40°	4098.9	8.2
40°-50°	6670.2	13.3
50°-60°	10998.0	22.0
60°-70°	16145.4	32.3
70°-80°	7139.5	14.3
80°-90°	323.3	0.6
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°	49995.3	100.0
0°-180°	49995.3	100.0

Coefficient of Utilization

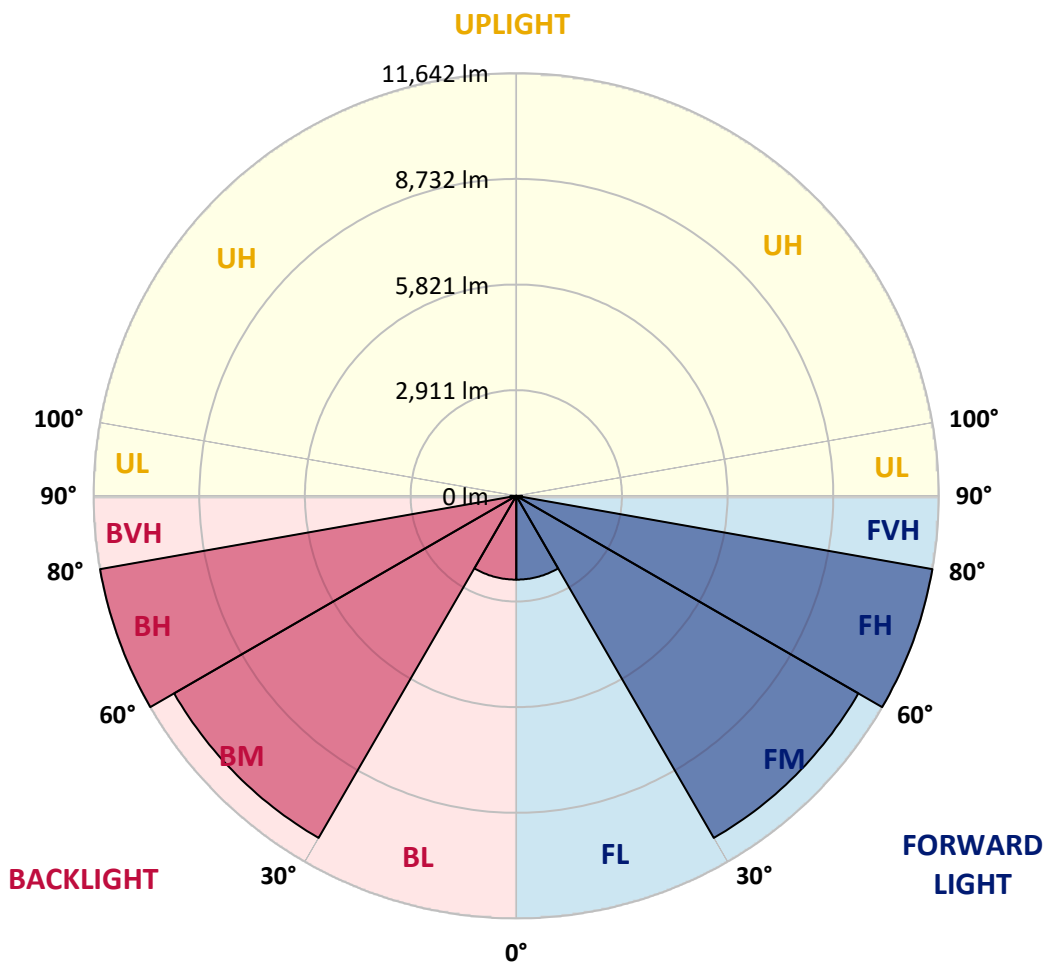


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2309.9	4.6			
FM (30°-60°)	10883.6	21.8			
FH (60°-80°)	11642.4	23.3			G4/12000
FVH (80°-90°)	161.7	0.3			G2/225
BL (0°-30°)	2309.9	4.6	B3/2500		
BM (30°-60°)	10883.6	21.8	B5		
BH (60°-80°)	11642.4	23.3	B5		G4/12000
BVH (80°-90°)	161.7	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5460.3	5460.3	5460.3	5460.3	5460.3	5460.3	5460.3	5460.3	5460.3	5460.3	5460.3
2.5°	5452.0	5447.0	5458.6	5456.9	5447.0	5448.7	5448.7	5453.7	5453.7	5450.3	5450.3
5°	5432.1	5428.8	5442.1	5442.1	5432.1	5435.4	5438.7	5443.7	5442.1	5438.7	5437.1
7.5°	5407.4	5405.7	5418.9	5418.9	5412.3	5415.6	5412.3	5414.0	5410.6	5407.4	5402.3
10°	5365.9	5369.3	5380.8	5384.2	5384.2	5385.8	5382.5	5374.2	5369.3	5364.3	5359.3
12.5°	5327.9	5326.2	5342.8	5351.1	5364.3	5379.2	5369.3	5346.1	5336.2	5326.2	5323.0
15°	5303.1	5304.7	5321.3	5336.2	5359.3	5390.8	5379.2	5342.8	5323.0	5311.3	5308.1
17.5°	5298.1	5301.4	5323.0	5349.4	5374.2	5408.9	5402.3	5365.9	5332.8	5311.3	5306.4
20°	5309.7	5311.3	5344.5	5382.5	5425.5	5458.6	5443.7	5404.0	5359.3	5326.2	5317.9
22.5°	5331.2	5337.9	5379.2	5438.7	5504.9	5549.6	5531.4	5463.5	5394.0	5352.7	5341.1
25°	5399.1	5400.6	5456.9	5538.1	5617.4	5668.7	5647.2	5551.3	5461.9	5415.6	5400.6
27.5°	5539.6	5544.7	5600.9	5695.2	5763.0	5796.2	5783.0	5705.2	5629.1	5579.4	5584.3
30°	5743.2	5749.8	5812.7	5916.9	5958.3	5966.6	5963.3	5926.9	5857.4	5791.2	5796.2
32.5°	5991.4	5994.7	6079.1	6173.4	6206.5	6213.1	6206.5	6173.4	6090.6	6001.3	6006.2
35°	6310.8	6320.6	6401.8	6492.7	6519.2	6532.5	6520.8	6477.9	6391.8	6304.2	6300.8
37.5°	6704.5	6706.2	6790.6	6884.9	6918.0	6921.3	6908.1	6879.9	6772.4	6693.0	6688.0
40°	7161.2	7167.8	7267.1	7368.1	7381.3	7366.4	7384.6	7368.1	7257.2	7166.2	7181.0
42.5°	7717.1	7732.0	7851.2	7950.5	7912.4	7904.2	7915.7	7920.7	7831.3	7720.5	7710.5
45°	8364.1	8377.3	8526.3	8605.7	8580.9	8526.3	8549.5	8589.1	8465.1	8327.8	8341.0
47.5°	9102.1	9135.2	9294.1	9368.5	9307.3	9232.8	9277.5	9337.0	9191.4	9021.0	9012.7
50°	9922.8	9964.1	10175.9	10280.2	10219.0	10081.6	10156.1	10195.8	9985.6	9765.6	9747.3
52.5°	10798.0	10839.4	11105.8	11320.9	11281.2	11067.8	11172.1	11130.7	10889.0	10592.9	10569.7
55°	11789.2	11805.8	12093.6	12441.1	12480.8	12323.6	12317.0	12249.2	11891.8	11549.2	11532.7
57.5°	12808.4	12820.1	13192.3	13602.6	13789.6	13789.6	13604.3	13460.4	12985.5	12588.4	12547.0
60°	13908.8	13950.1	14362.1	14919.8	15356.6	15485.6	15158.0	14765.9	14249.6	13764.8	13716.9
62.5°	14888.3	14936.2	15566.7	16397.3	17098.8	17568.8	16767.9	16129.3	15189.4	14411.8	14320.8
65°	15012.4	15141.5	16059.8	17563.9	19134.1	20072.2	18536.8	16963.2	15250.6	14170.2	14077.5
67.5°	13710.2	13928.6	15169.6	17510.9	20755.6	22769.3	19666.8	16486.6	14152.0	12957.4	12854.8
70°	10535.0	10852.7	12283.9	15316.9	20476.0	23637.9	18958.7	14433.3	11799.1	10513.4	10369.5
72.5°	5779.6	5910.3	7197.6	10488.7	16415.5	20087.1	15813.2	10672.3	7824.7	6367.0	6125.4
75°	1833.3	1879.7	2534.9	4292.1	9285.8	13304.8	10045.3	5238.6	2884.0	2126.2	2101.4
77.5°	814.1	819.0	916.6	1252.6	3198.4	6741.0	3842.1	1426.3	982.9	858.8	886.8
80°	514.6	514.6	567.5	620.5	870.3	1957.5	1039.1	678.4	579.1	537.8	549.3
82.5°	246.6	273.0	369.0	397.1	478.2	658.5	532.8	443.4	387.2	287.9	268.0
85°	162.2	135.6	233.3	263.1	278.0	316.1	309.5	292.9	253.2	143.9	160.5
87.5°	72.8	69.5	120.8	110.9	104.2	79.5	119.1	147.3	142.3	71.2	71.2
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)