

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: P383527

Luminaire Tested: **GLEON-SA8B-735-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383527
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-SA8B-735-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 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: 43612.3 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

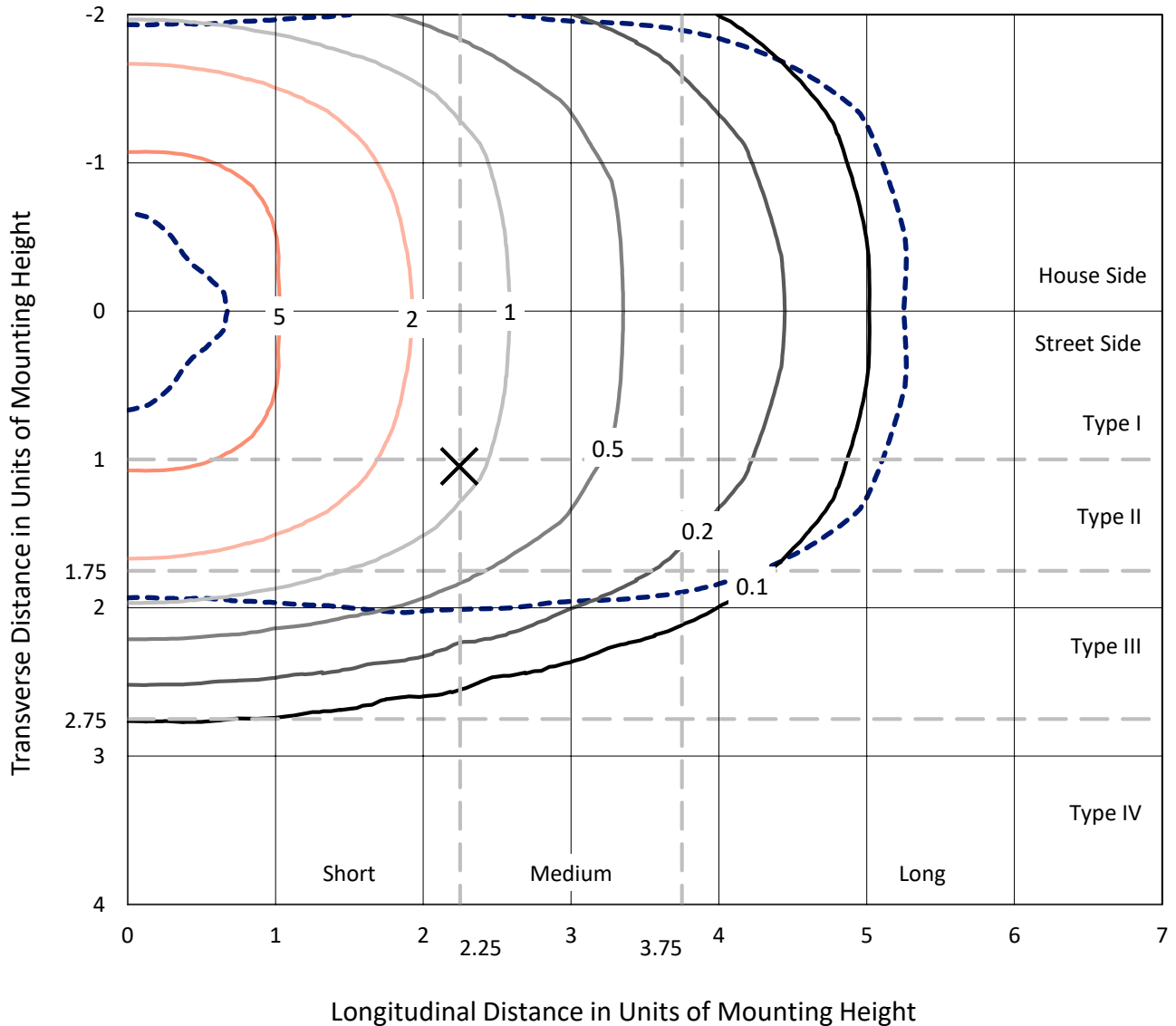
Input Watts (W): 334
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

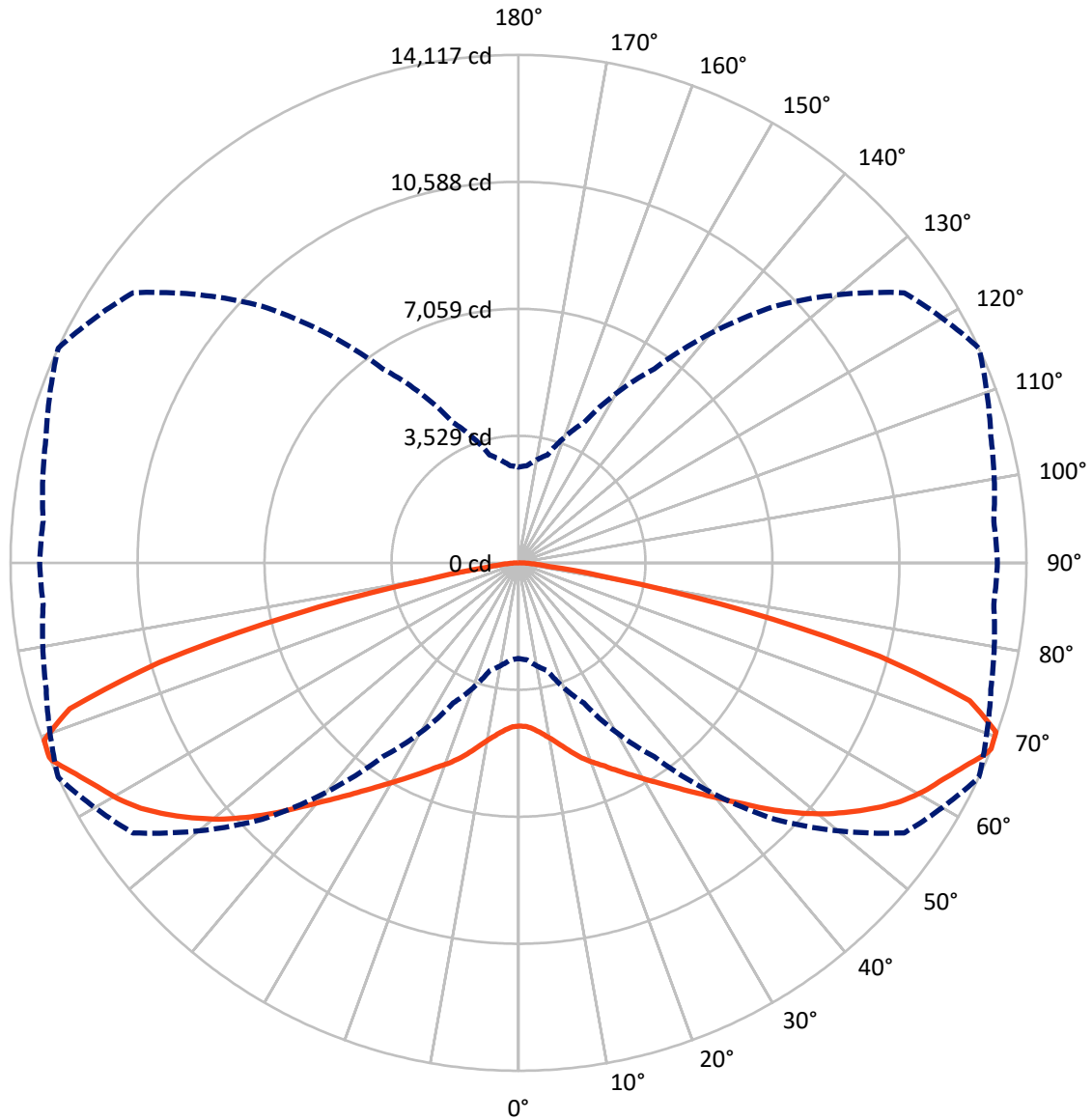
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 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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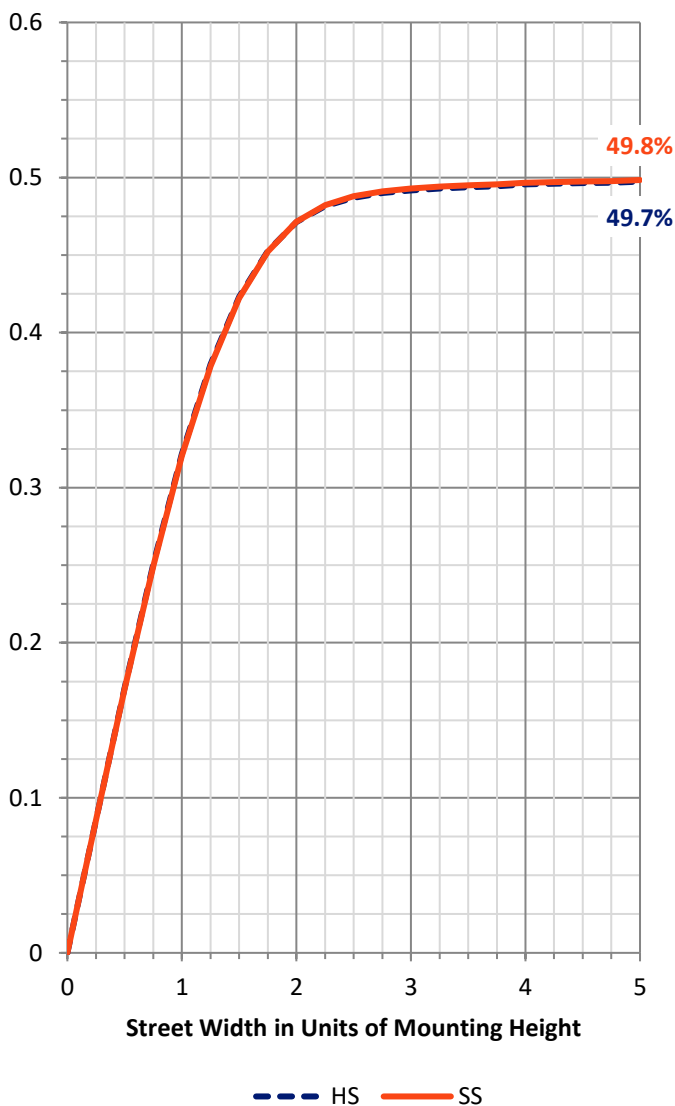
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21806.1	0.0	21806.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21806.1	0.0	21806.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	43612.3	0.0	43612.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.0	1.0
10°-20°	1486.6	3.4
20°-30°	2898.5	6.6
30°-40°	4869.3	11.2
40°-50°	7672.3	17.6
50°-60°	10260.3	23.5
60°-70°	9974.3	22.9
70°-80°	5452.5	12.5
80°-90°	554.5	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°	43612.3	100.0
0°-180°	43612.3	100.0

Coefficient of Utilization

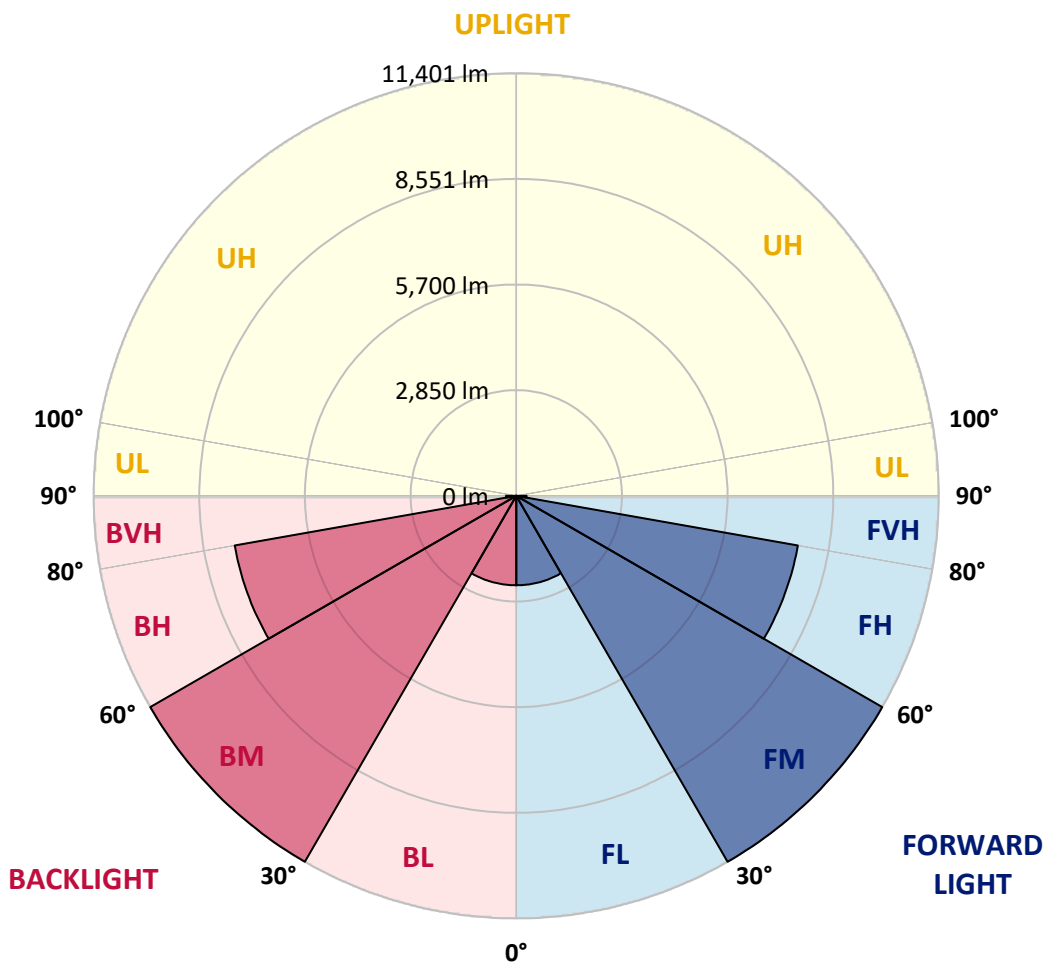


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2414.5	5.5			
FM (30°-60°)	11400.9	26.1			
FH (60°-80°)	7713.4	17.7			G4/12000
FVH (80°-90°)	277.3	0.6			G3/500
BL (0°-30°)	2414.5	5.5	B3/2500		
BM (30°-60°)	11400.9	26.1	B5		
BH (60°-80°)	7713.4	17.7	B5		G5
BVH (80°-90°)	277.3	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°	4534.7	4534.7	4534.7	4534.7	4534.7	4534.7	4534.7	4534.7	4534.7	4534.7	4534.7
2.5°	4502.4	4503.9	4511.3	4520.1	4527.3	4546.3	4550.7	4558.1	4561.0	4568.3	4568.3
5°	4463.0	4465.9	4483.4	4506.8	4533.2	4580.0	4613.6	4651.6	4670.7	4691.1	4689.7
7.5°	4458.6	4465.9	4490.8	4528.8	4572.7	4650.2	4720.3	4796.4	4847.6	4894.4	4891.5
10°	4503.9	4515.7	4550.7	4607.8	4673.6	4770.1	4874.0	4976.2	5065.5	5137.1	5140.1
12.5°	4572.7	4587.3	4642.8	4729.1	4828.6	4952.9	5075.7	5191.2	5314.1	5420.8	5429.6
15°	4663.3	4682.3	4765.7	4894.4	5046.5	5194.1	5325.8	5444.2	5586.0	5733.8	5748.4
17.5°	4797.8	4824.2	4933.8	5107.9	5308.2	5470.5	5608.0	5697.2	5815.7	5967.7	5995.5
20°	5002.6	5036.2	5175.1	5382.8	5627.0	5796.6	5901.9	5920.9	5979.4	6115.4	6147.6
22.5°	5268.7	5298.0	5453.0	5700.1	5973.5	6157.8	6213.4	6137.3	6131.5	6241.2	6271.9
25°	5565.6	5591.9	5771.8	6049.7	6343.6	6546.8	6545.3	6397.7	6295.3	6380.1	6412.3
27.5°	5899.0	5939.9	6112.5	6404.9	6719.3	6919.7	6908.0	6679.8	6485.3	6507.3	6535.1
30°	6282.1	6327.4	6495.6	6792.5	7106.9	7302.8	7288.1	6987.0	6694.5	6636.0	6656.5
32.5°	6757.4	6811.5	6970.9	7263.4	7541.2	7718.2	7675.7	7320.4	6946.0	6818.8	6837.8
35°	7329.1	7361.3	7529.5	7817.5	8042.8	8164.1	8074.9	7706.4	7264.8	7111.2	7111.2
37.5°	7908.2	7933.1	8121.7	8401.0	8618.9	8683.2	8509.2	8129.1	7681.5	7463.7	7468.0
40°	8463.9	8531.2	8743.2	9029.8	9244.8	9262.3	9031.3	8611.6	8145.1	7919.9	7946.2
42.5°	9044.4	9110.3	9363.3	9687.8	9877.9	9907.2	9636.7	9152.6	8668.6	8485.8	8515.1
45°	9562.1	9614.8	9907.2	10284.5	10521.4	10597.4	10277.2	9772.7	9234.5	9056.1	9063.5
47.5°	9923.3	9992.1	10313.7	10758.3	11103.4	11220.4	10906.0	10376.6	9791.7	9575.3	9594.3
50°	10250.8	10287.5	10613.5	11099.0	11537.7	11779.0	11509.9	10973.3	10354.7	10125.1	10145.6
52.5°	10433.6	10480.5	10796.3	11302.3	11821.3	12210.4	12046.6	11509.9	10898.6	10674.9	10699.8
55°	10306.5	10341.5	10720.2	11347.6	11996.8	12476.5	12501.4	12034.8	11432.4	11236.4	11306.7
57.5°	9727.3	9771.2	10233.3	11055.1	12018.8	12656.4	12843.5	12521.9	11931.1	11771.7	11812.6
60°	8822.1	8850.0	9342.8	10267.0	11591.8	12730.9	13061.4	12919.5	12419.5	12260.1	12315.6
62.5°	7209.2	7250.1	7839.5	9078.1	10689.5	12510.1	13272.0	13248.6	12874.3	12728.0	12777.8
65°	4928.0	4999.7	5651.9	7218.0	9298.9	11834.6	13463.6	13631.7	13276.4	13092.2	13157.9
67.5°	2975.8	3028.5	3500.8	4765.7	7115.6	10471.6	13266.2	14067.5	13560.1	13263.2	13317.3
68°	2659.9	2708.2	3103.1	4300.7	6581.8	10087.1	13086.3	14117.2	13590.8	13260.3	13308.6
70°	1607.1	1639.2	1903.9	2658.5	4388.4	8001.8	11859.4	14076.2	13786.7	13301.3	13329.0
72.5°	1047.1	1057.2	1101.1	1364.3	2241.8	4474.7	8901.1	13117.0	14080.6	13539.6	13535.2
75°	870.1	864.2	868.6	899.3	1105.5	1962.4	5201.5	10362.0	13422.6	13163.8	13071.7
77.5°	735.5	731.2	729.7	731.2	739.9	947.6	2257.8	6454.7	10271.3	11644.4	11726.3
80°	595.2	589.3	608.3	599.5	573.3	589.3	946.1	2684.8	4841.7	5208.7	4881.2
82.5°	432.9	410.9	492.8	469.4	447.5	415.3	522.0	867.2	1155.2	792.6	557.2
85°	333.4	310.0	374.4	359.8	307.1	212.0	310.0	424.0	467.9	267.6	210.5
87.5°	136.0	143.3	270.5	213.5	179.9	102.4	127.2	169.6	228.1	114.0	87.8
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)