

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: P382631

Luminaire Tested: **GLEON-SA0B-735-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382631
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-SA0B-735-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 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: 53861.1 lumens
Efficiency: N/A
Efficacy: 128.5 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

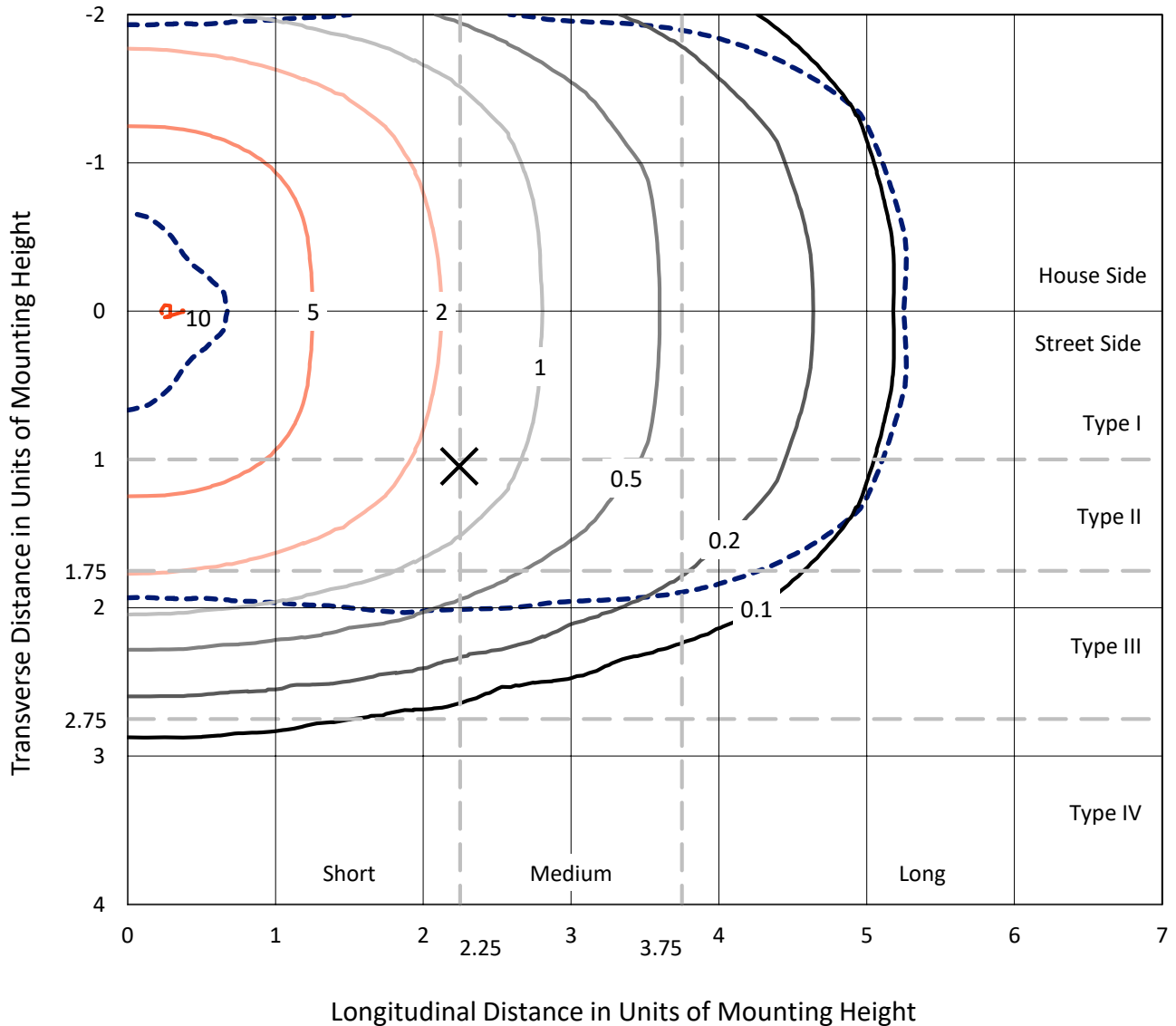
Input Watts (W): 419
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

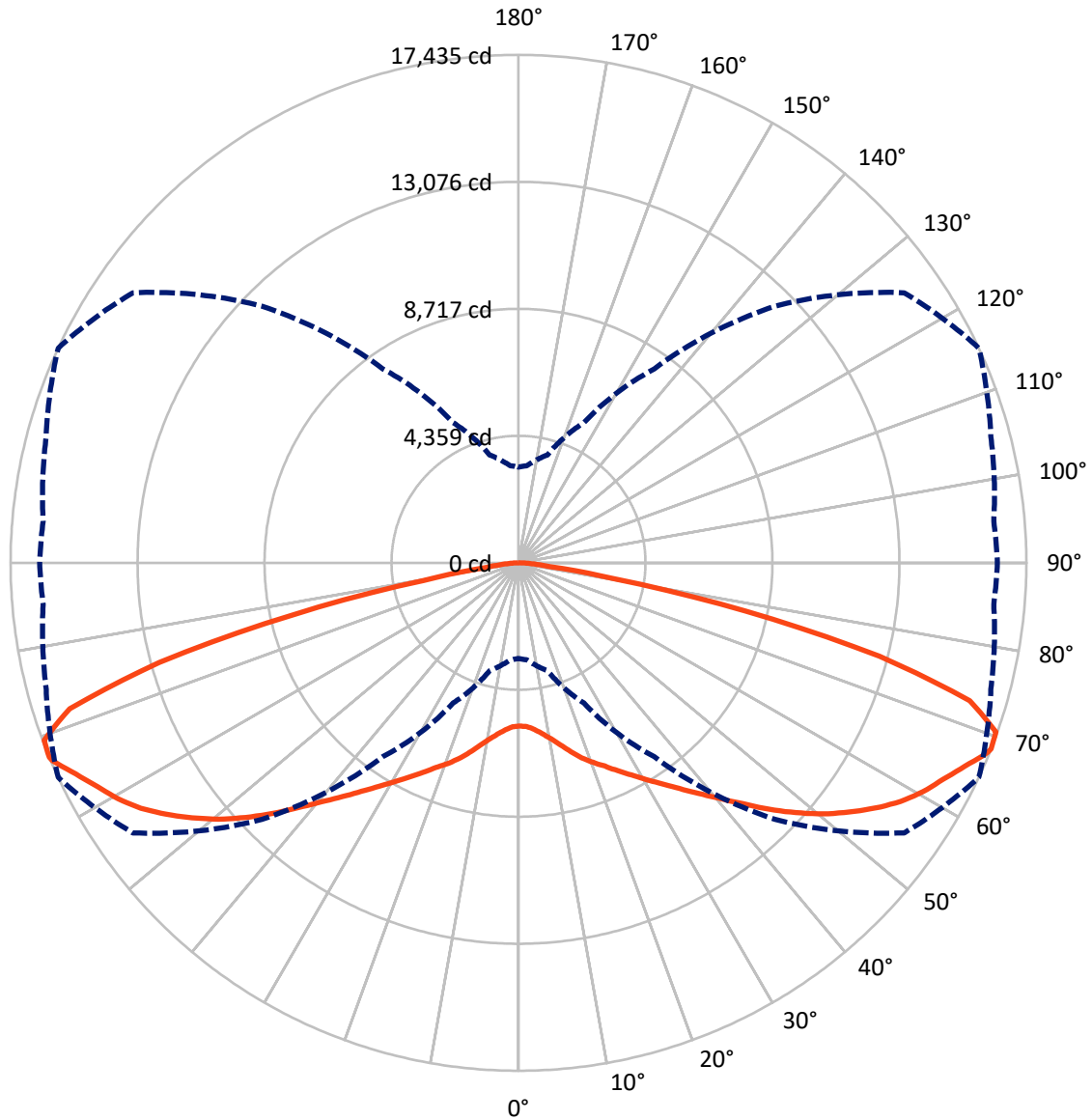
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 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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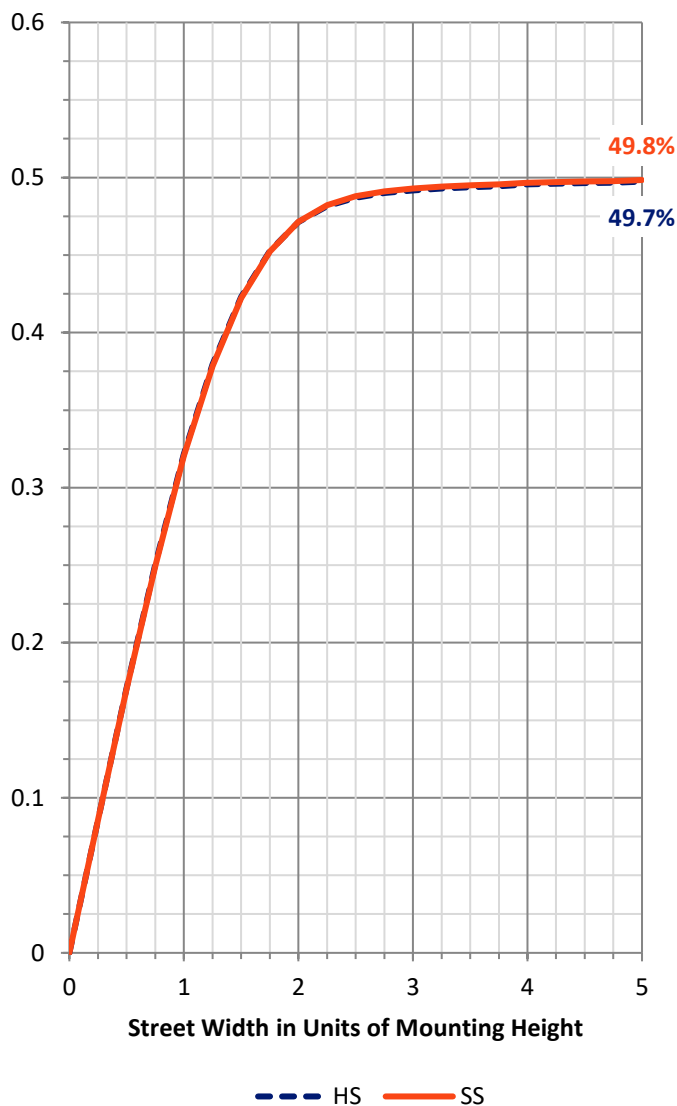
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26930.6	0.0	26930.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26930.6	0.0	26930.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	53861.1	0.0	53861.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	548.3	1.0
10°-20°	1836.0	3.4
20°-30°	3579.7	6.6
30°-40°	6013.6	11.2
40°-50°	9475.2	17.6
50°-60°	12671.5	23.5
60°-70°	12318.3	22.9
70°-80°	6733.8	12.5
80°-90°	684.8	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°	53861.1	100.0
0°-180°	53861.1	100.0

Coefficient of Utilization

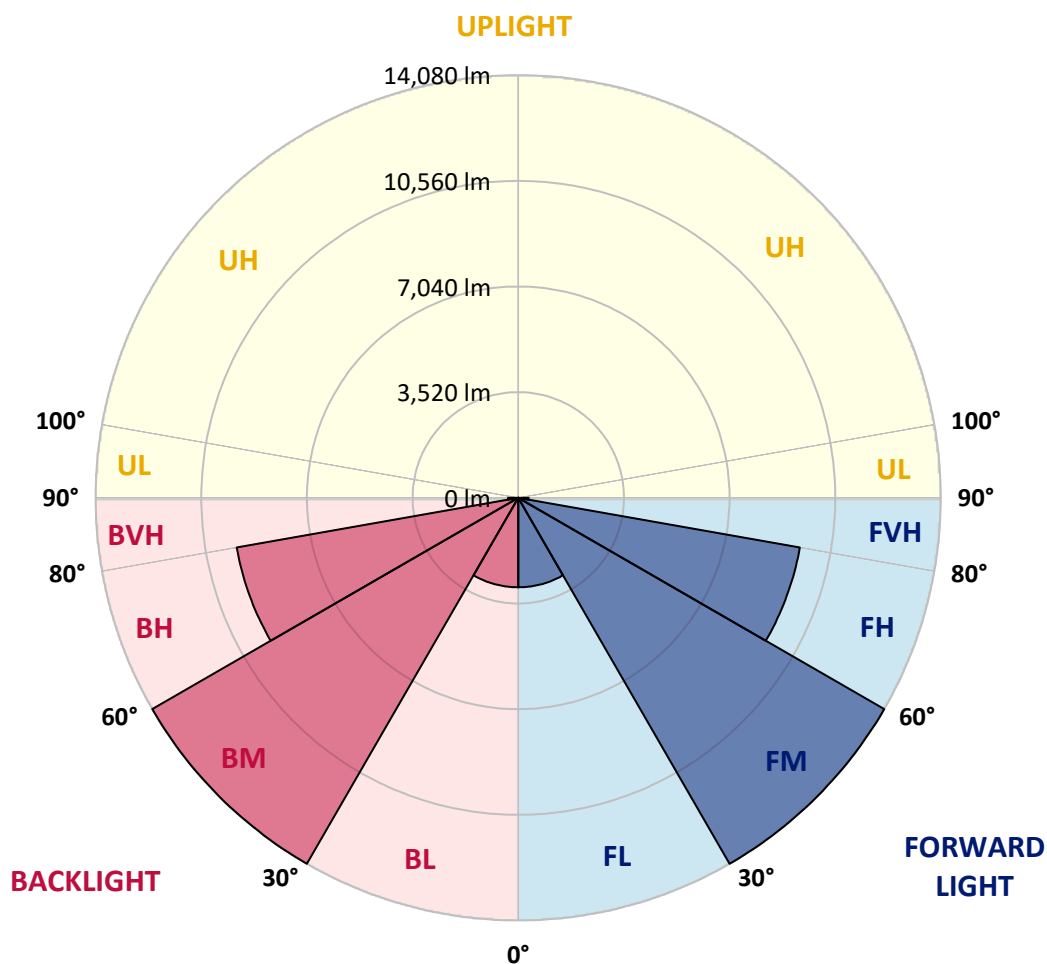


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2982.0	5.5			
FM (30°-60°)	14080.1	26.1			
FH (60°-80°)	9526.1	17.7			G4/12000
FVH (80°-90°)	342.4	0.6			G3/500
BL (0°-30°)	2982.0	5.5	B4/5000		
BM (30°-60°)	14080.1	26.1	B5		
BH (60°-80°)	9526.1	17.7	B5		G5
BVH (80°-90°)	342.4	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°	5600.3	5600.3	5600.3	5600.3	5600.3	5600.3	5600.3	5600.3	5600.3	5600.3	5600.3
2.5°	5560.6	5562.4	5571.4	5582.2	5591.2	5614.7	5620.1	5629.2	5632.8	5641.8	5641.8
5°	5511.8	5515.4	5537.1	5566.0	5598.5	5656.3	5697.8	5744.8	5768.2	5793.6	5791.7
7.5°	5506.4	5515.4	5546.2	5593.1	5647.2	5743.0	5829.6	5923.5	5986.8	6044.5	6041.0
10°	5562.4	5576.8	5620.1	5690.5	5771.9	5891.0	6019.3	6145.7	6255.9	6344.3	6347.9
12.5°	5647.2	5665.3	5734.0	5840.5	5963.3	6116.8	6268.5	6411.2	6562.8	6694.7	6705.6
15°	5759.2	5782.7	5885.6	6044.5	6232.3	6414.8	6577.3	6723.6	6898.8	7081.2	7099.2
17.5°	5925.4	5957.9	6093.3	6308.3	6555.7	6756.1	6925.9	7036.1	7182.3	7370.1	7404.4
20°	6178.2	6219.8	6391.3	6647.7	6949.3	7158.9	7288.9	7312.4	7384.6	7552.5	7592.3
22.5°	6506.9	6543.0	6734.4	7039.6	7377.4	7604.9	7673.5	7579.6	7572.4	7707.8	7745.8
25°	6873.5	6906.0	7128.1	7471.3	7834.3	8085.3	8083.5	7901.1	7774.7	7879.4	7919.2
27.5°	7285.3	7335.8	7548.9	7910.1	8298.4	8545.8	8531.4	8249.6	8009.4	8036.6	8070.8
30°	7758.4	7814.4	8022.1	8388.7	8776.9	9019.0	9000.9	8628.9	8267.7	8195.5	8220.7
32.5°	8345.4	8412.2	8609.0	8970.2	9313.3	9531.9	9479.5	9040.7	8578.3	8421.2	8444.7
35°	9051.5	9091.3	9298.9	9654.7	9932.8	10082.7	9972.5	9517.4	8972.0	8782.4	8782.4
37.5°	9766.6	9797.4	10030.3	10375.3	10644.3	10723.8	10508.9	10039.4	9486.7	9217.7	9223.1
40°	10452.9	10536.0	10797.8	11151.8	11417.3	11438.9	11153.6	10635.3	10059.2	9781.1	9813.6
42.5°	11169.9	11251.1	11563.6	11964.5	12199.3	12235.4	11901.3	11303.5	10705.7	10480.0	10516.1
45°	11809.2	11874.3	12235.4	12701.4	12993.9	13087.8	12692.3	12069.2	11404.7	11184.3	11193.4
47.5°	12255.3	12340.1	12737.4	13286.5	13712.7	13857.1	13468.9	12815.1	12092.7	11825.4	11848.9
50°	12659.8	12704.9	13107.7	13707.3	14249.0	14547.0	14214.8	13552.0	12788.0	12504.5	12529.8
52.5°	12885.5	12943.3	13333.4	13958.3	14599.4	15079.8	14877.6	14214.8	13459.8	13183.5	13214.2
55°	12728.4	12771.8	13239.5	14014.3	14816.1	15408.4	15439.2	14863.1	14119.0	13877.0	13963.7
57.5°	12013.2	12067.5	12638.1	13653.0	14843.2	15630.6	15861.7	15464.4	14734.8	14538.0	14588.6
60°	10895.4	10929.7	11538.3	12679.7	14315.8	15722.8	16130.9	15955.6	15338.0	15141.2	15209.8
62.5°	8903.4	8953.9	9681.8	11211.5	13201.6	15450.0	16391.0	16362.0	15899.7	15719.1	15780.5
65°	6086.1	6174.6	6980.1	8914.3	11484.1	14615.7	16627.5	16835.2	16396.4	16168.8	16250.1
67.5°	3675.1	3740.2	4323.5	5885.6	8787.8	12932.5	16383.7	17373.4	16746.7	16380.1	16446.9
68°	3285.0	3344.6	3832.3	5311.3	8128.7	12457.5	16161.6	17434.8	16784.6	16376.5	16436.0
70°	1984.8	2024.4	2351.3	3283.2	5419.7	9882.2	14646.4	17384.2	17026.6	16427.0	16461.4
72.5°	1293.1	1305.8	1359.9	1685.0	2768.6	5526.2	10992.9	16199.5	17389.7	16721.4	16716.0
75°	1074.5	1067.4	1072.8	1110.7	1365.3	2423.6	6423.8	12797.0	16577.0	16257.3	16143.5
77.5°	908.4	902.9	901.2	902.9	913.8	1170.3	2788.4	7971.5	12685.1	14380.9	14482.0
80°	735.0	727.8	751.3	740.5	708.0	727.8	1168.4	3315.8	5979.5	6432.8	6028.3
82.5°	534.5	507.5	608.6	579.7	552.6	512.9	644.7	1070.9	1426.7	978.9	688.0
85°	411.7	382.9	462.3	444.3	379.2	261.9	382.9	523.7	577.9	330.5	260.1
87.5°	168.0	177.0	334.1	263.6	222.2	126.4	157.2	209.5	281.7	140.8	108.3
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)