

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: P382628

Luminaire Tested: **GLEON-SA0B-735-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P382628  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)  
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-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 55500.7 lumens  
Efficiency: N/A  
Efficacy: 132.5 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

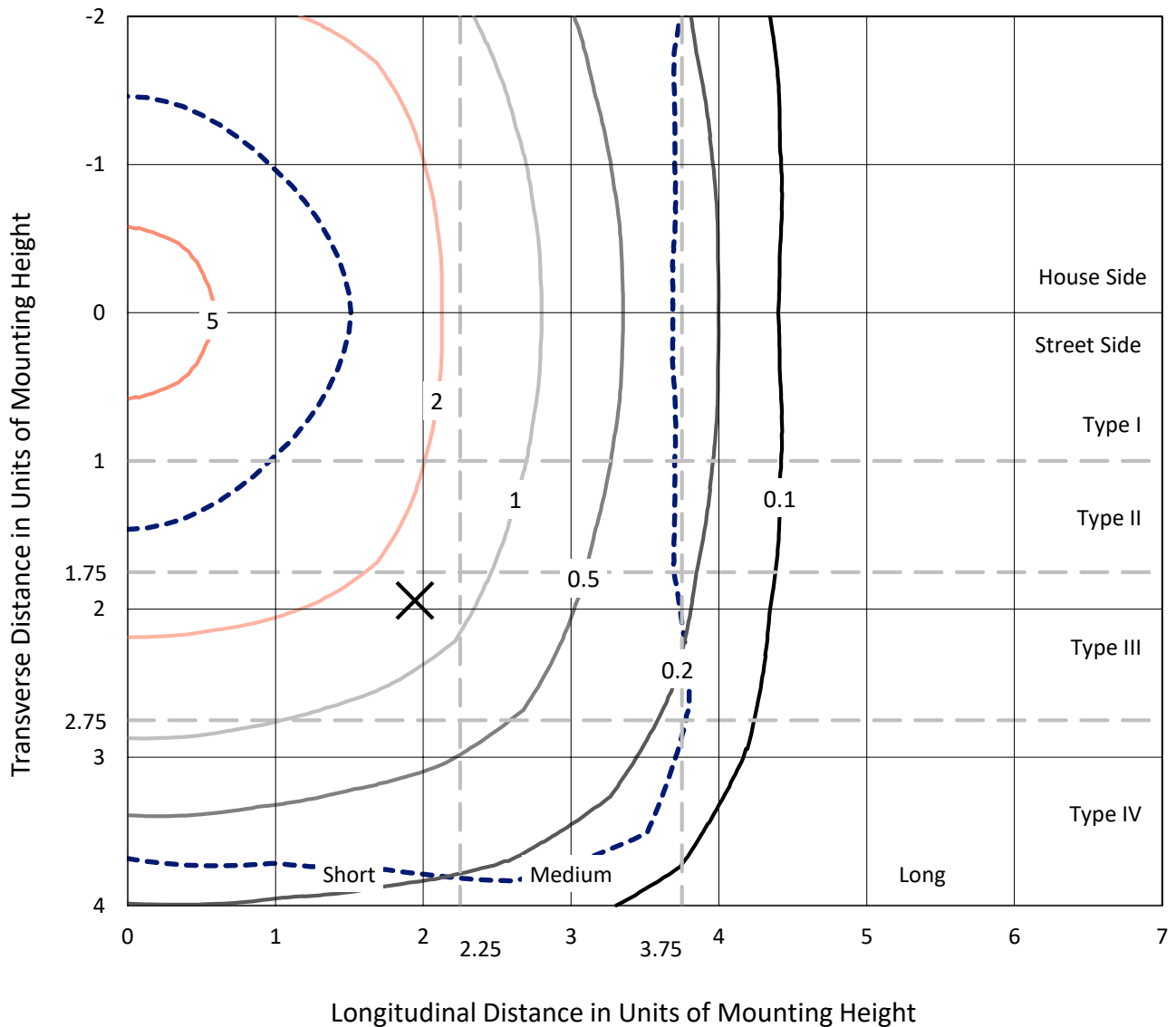
Input Watts (W): 419  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

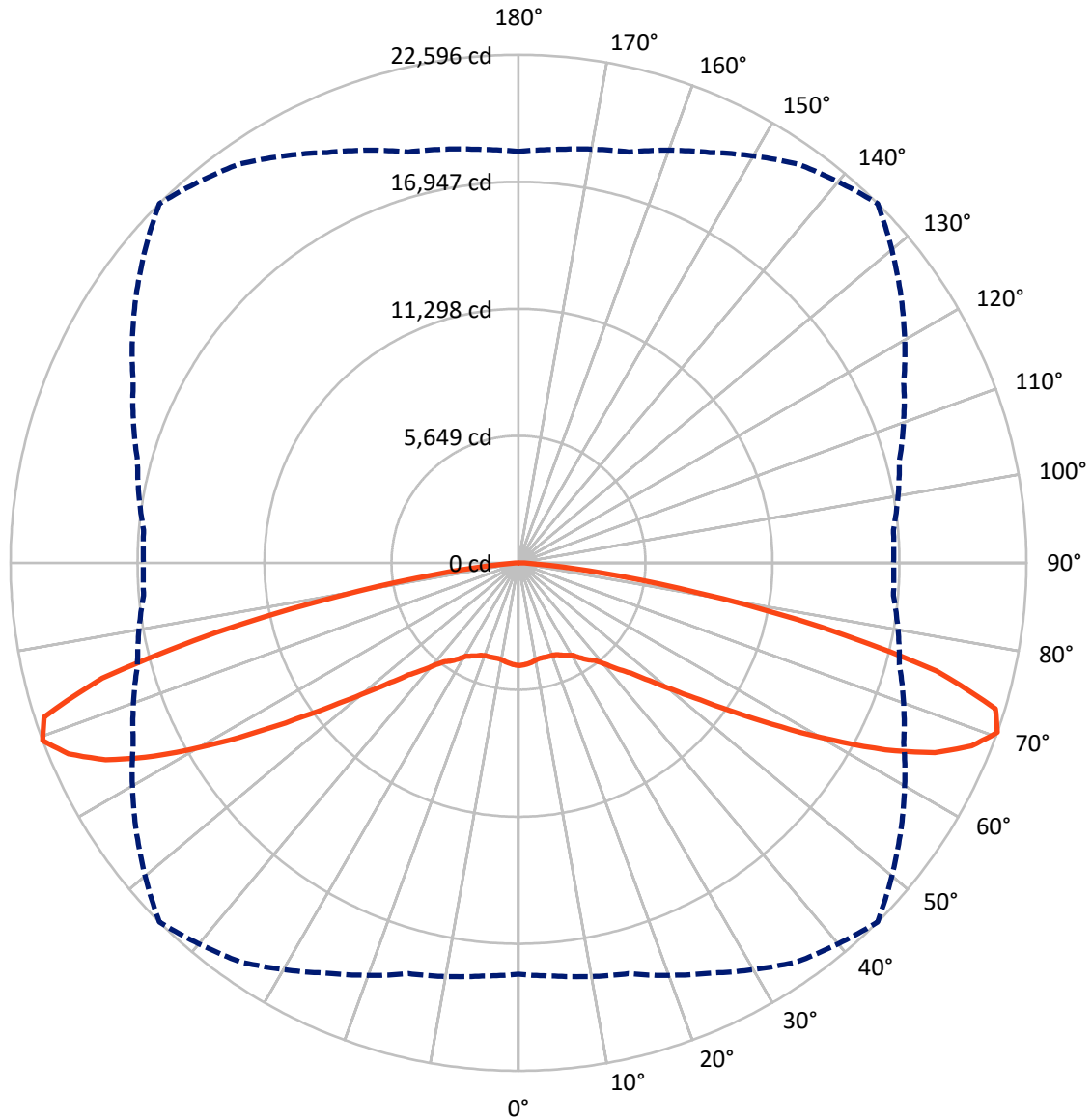
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 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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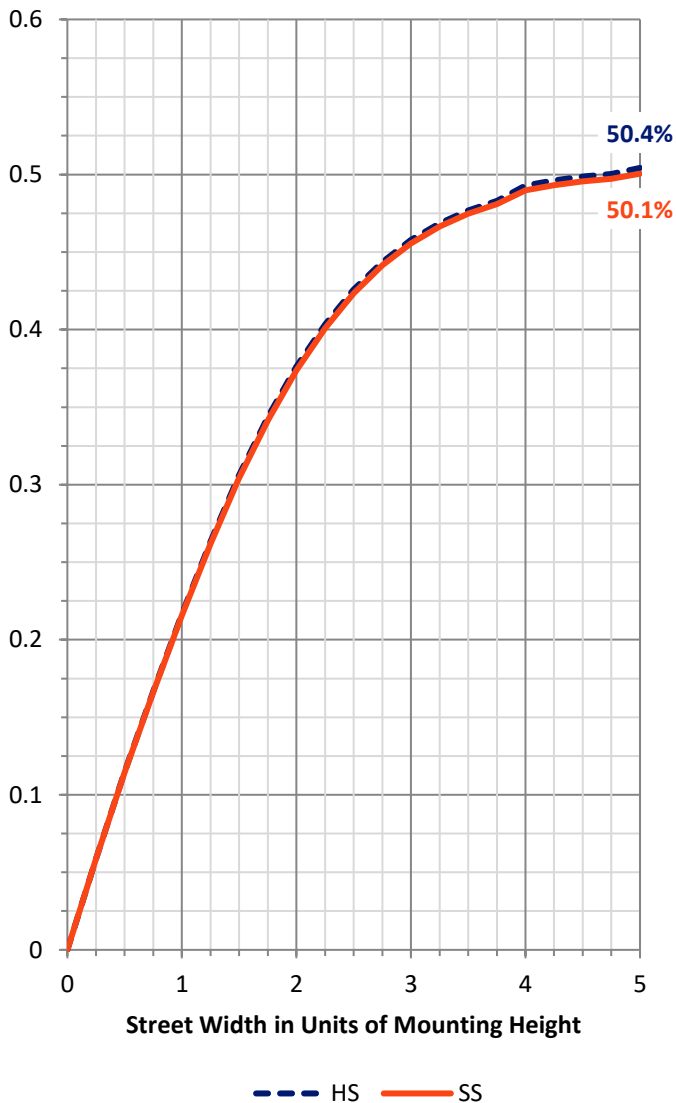
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	27750.3	0.0	27750.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	27750.3	0.0	27750.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	55500.7	0.0	55500.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	426.3	0.8
10°-20°	1245.3	2.2
20°-30°	2123.2	3.8
30°-40°	3317.5	6.0
40°-50°	5622.5	10.1
50°-60°	10253.0	18.5
60°-70°	17651.2	31.8
70°-80°	13835.7	24.9
80°-90°	1025.9	1.8
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°	55500.7	100.0
0°-180°	55500.7	100.0

**Coefficient of Utilization**

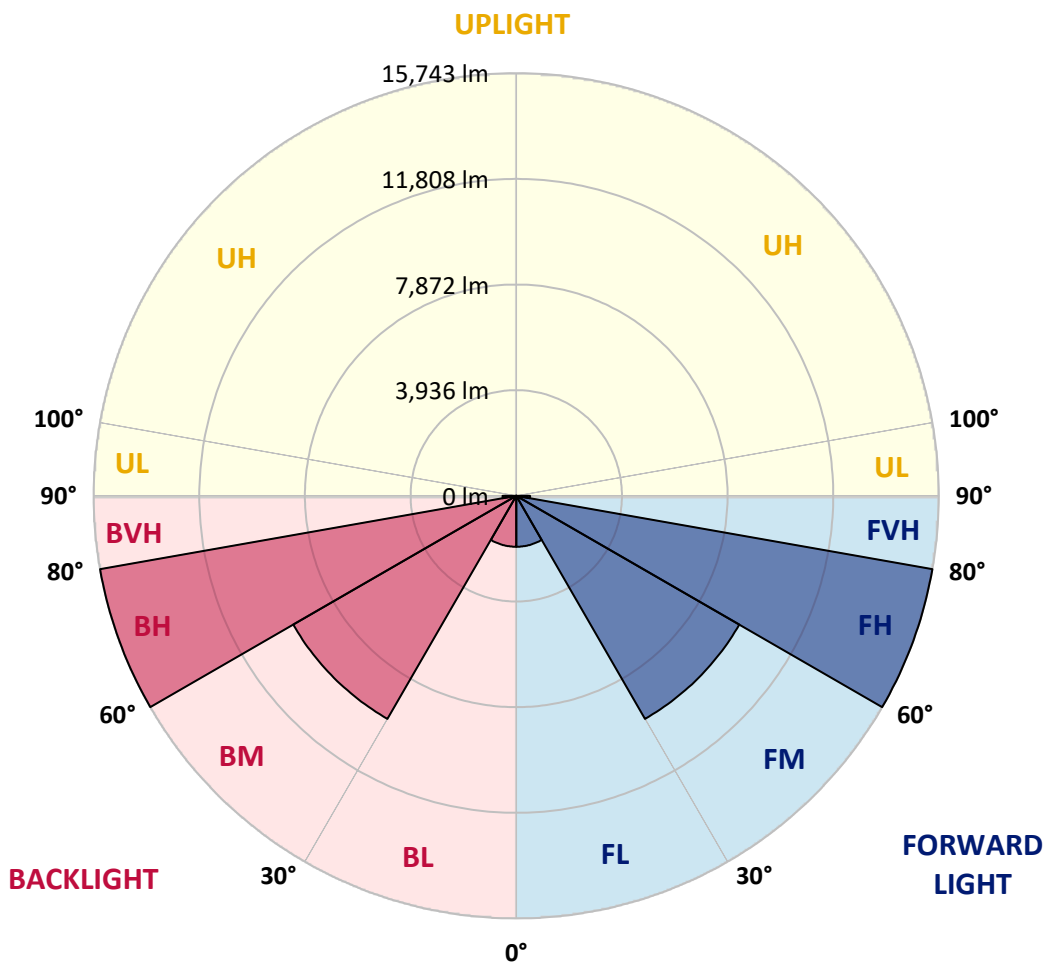


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1897.4	3.4			
FM (30°-60°)	9596.5	17.3			
FH (60°-80°)	15743.5	28.4			G5
FVH (80°-90°)	512.9	0.9			G4/750
BL (0°-30°)	1897.4	3.4	B3/2500		
BM (30°-60°)	9596.5	17.3	B5		
BH (60°-80°)	15743.5	28.4	B5		G5
BVH (80°-90°)	512.9	0.9			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4567.8	4567.8	4567.8	4567.8	4567.8	4567.8	4567.8	4567.8	4567.8	4567.8	4567.8
2.5°	4547.5	4553.0	4547.5	4551.2	4542.0	4545.7	4545.7	4545.7	4543.8	4545.7	4542.0
5°	4507.1	4510.8	4503.5	4507.1	4501.6	4507.1	4509.0	4507.1	4503.5	4505.3	4498.0
7.5°	4446.6	4450.2	4444.7	4450.2	4442.8	4452.1	4450.2	4444.7	4439.2	4439.2	4431.8
10°	4413.5	4415.3	4400.6	4395.1	4378.6	4382.3	4387.8	4393.3	4398.8	4409.9	4408.0
12.5°	4415.3	4415.3	4393.3	4369.4	4345.6	4351.1	4360.3	4380.4	4402.5	4422.7	4424.5
15°	4433.7	4431.8	4398.8	4360.3	4343.7	4360.3	4365.8	4378.6	4413.5	4448.4	4450.2
17.5°	4446.6	4446.6	4395.1	4351.1	4349.2	4374.9	4373.2	4378.6	4417.2	4468.5	4470.4
20°	4470.4	4470.4	4404.4	4356.6	4356.6	4384.1	4386.0	4395.1	4433.7	4490.6	4499.7
22.5°	4523.7	4525.5	4455.7	4417.2	4420.8	4437.3	4442.8	4457.5	4492.5	4554.9	4565.9
25°	4599.0	4602.6	4531.0	4509.0	4521.8	4553.0	4549.4	4560.4	4599.0	4659.5	4670.5
27.5°	4703.6	4694.3	4628.3	4619.1	4631.9	4654.0	4652.1	4654.0	4685.2	4740.3	4753.1
30°	4839.4	4835.8	4788.1	4793.6	4788.1	4780.7	4782.5	4797.2	4813.7	4857.7	4870.6
32.5°	4971.6	4975.3	4945.9	4973.4	5013.9	5041.3	4999.2	4958.7	4940.4	4964.3	4975.3
35°	5210.2	5219.5	5173.5	5155.2	5210.2	5291.1	5171.8	5105.6	5142.3	5173.5	5182.8
37.5°	5616.0	5621.5	5544.4	5471.0	5430.5	5507.7	5388.4	5393.8	5522.4	5581.1	5579.3
40°	6078.6	6080.5	6029.1	5964.8	5895.1	5913.5	5865.7	5880.4	5964.8	6018.1	6032.8
42.5°	6629.5	6624.0	6543.1	6451.3	6431.1	6449.5	6368.7	6357.7	6455.0	6550.5	6552.3
45°	7343.6	7330.7	7226.1	7125.1	7027.8	6987.4	6967.2	7020.5	7154.5	7242.6	7244.5
47.5°	8112.8	8077.9	8022.9	7942.1	7857.6	7817.3	7784.2	7809.9	7907.3	7942.1	7945.7
50°	8904.1	8911.5	8922.5	8891.2	8860.0	8847.2	8760.9	8711.4	8740.7	8676.4	8667.3
52.5°	9842.3	9856.9	9963.5	10053.4	10106.6	10134.1	9970.7	9800.1	9704.6	9579.8	9543.0
55°	10949.3	10973.2	11129.2	11378.9	11636.0	11771.8	11476.2	11156.8	10861.2	10628.0	10552.8
57.5°	12183.1	12225.3	12440.1	12919.2	13446.1	13767.4	13268.0	12687.9	12116.9	11780.9	11722.2
60°	13629.7	13670.1	13967.5	14654.2	15507.8	15990.7	15234.2	14285.1	13574.6	13253.3	13145.1
62.5°	15351.8	15355.4	15720.8	16523.0	17650.3	18322.2	17297.8	16029.2	15296.7	14909.3	14804.7
65°	17204.2	17213.4	17591.5	18458.1	19623.9	20354.6	19198.0	17876.1	16980.2	16409.2	16328.4
67.5°	18513.2	18551.8	18950.1	19993.0	21083.4	21742.5	20545.6	19051.1	18015.7	17334.5	17266.6
70°	18303.9	18454.4	18922.6	20139.8	21656.2	22596.3	20764.0	18911.6	17545.7	16741.6	16684.7
72.5°	15963.1	16251.4	16875.5	18472.8	20898.1	22192.4	19572.5	16938.0	15392.1	14707.4	14604.5
75°	10870.3	11338.5	12280.3	14584.4	17854.1	19214.5	16477.2	13504.8	12050.9	11103.5	11033.7
77.5°	4846.7	4953.2	6146.6	8799.5	12320.7	13798.6	11971.9	8834.3	6631.2	5289.2	5006.5
80°	1351.2	1367.7	1824.9	3277.1	6166.8	8107.4	6620.2	3442.3	1935.0	1364.1	1285.2
82.5°	429.6	466.3	569.1	850.0	2072.7	3699.4	2127.8	917.9	653.6	521.4	470.0
85°	209.3	207.5	288.2	345.1	528.7	818.8	563.6	425.9	372.7	247.9	223.9
87.5°	88.1	90.0	134.0	121.2	154.2	132.2	181.7	191.0	200.1	110.1	95.5
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)