

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: P382656

Luminaire Tested: **GLEON-SA0C-735-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P382656  
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-SA0C-735-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 68694.2 lumens  
Efficiency: N/A  
Efficacy: 123.1 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

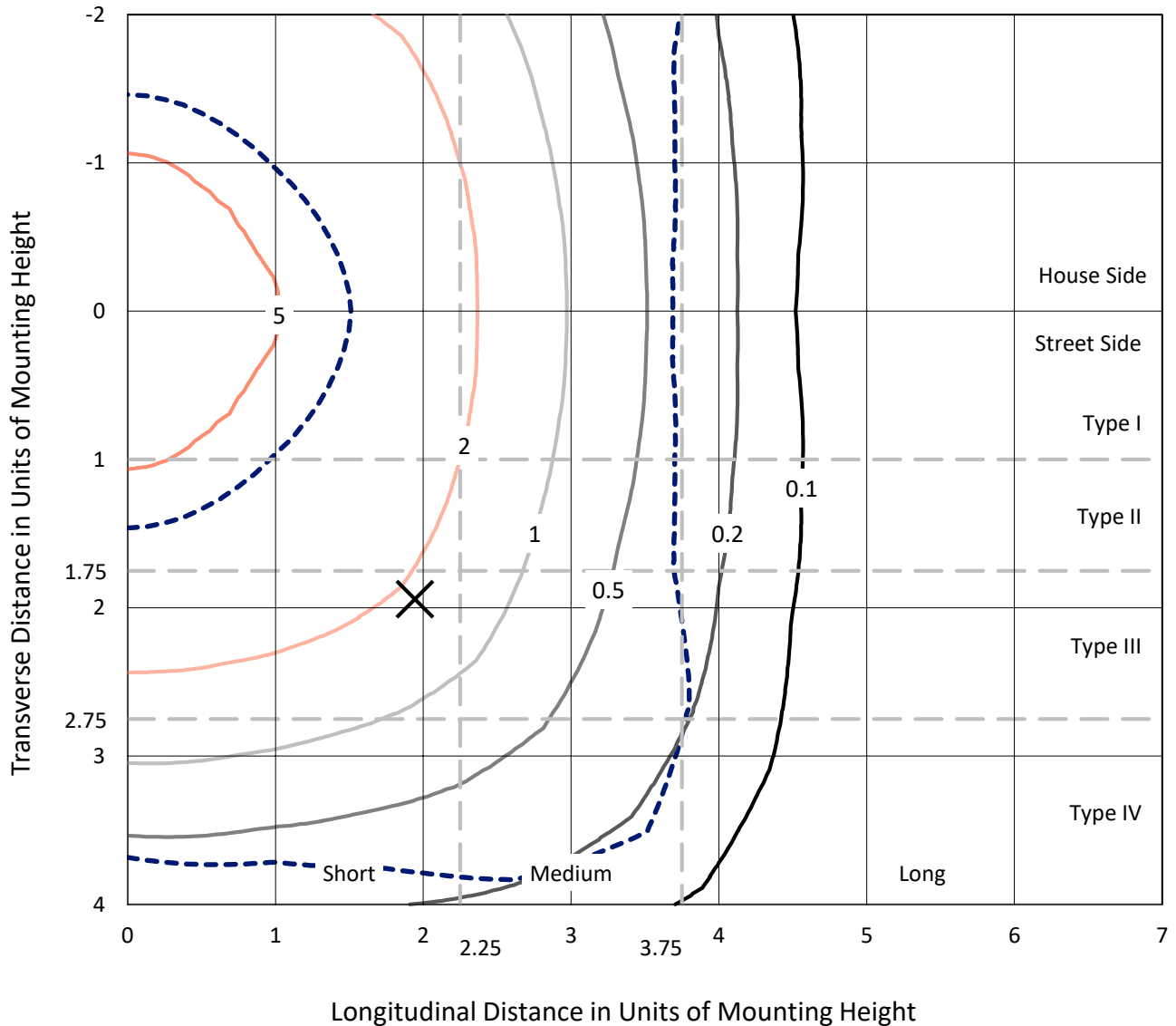
Input Watts (W): 558  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

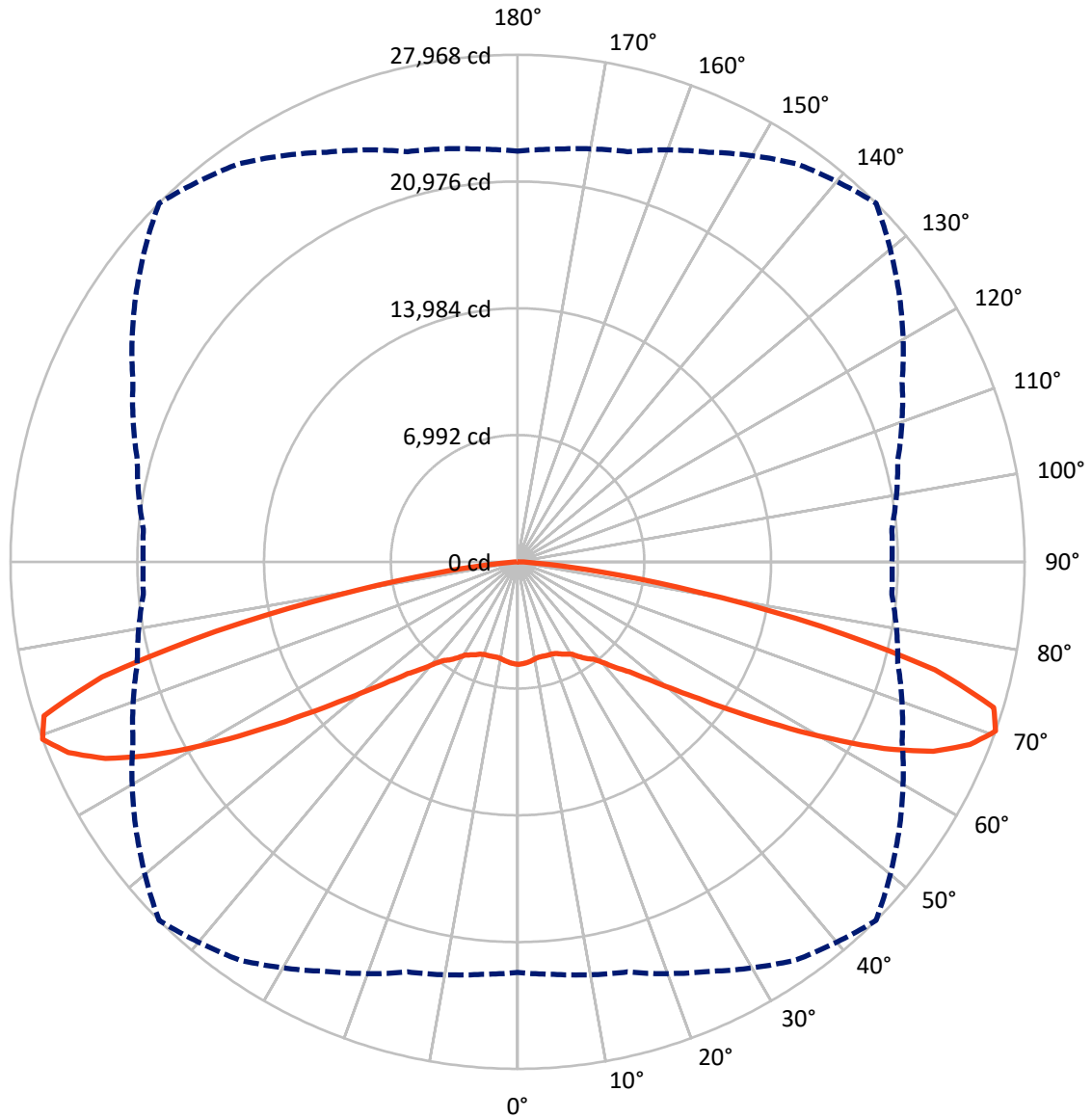
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 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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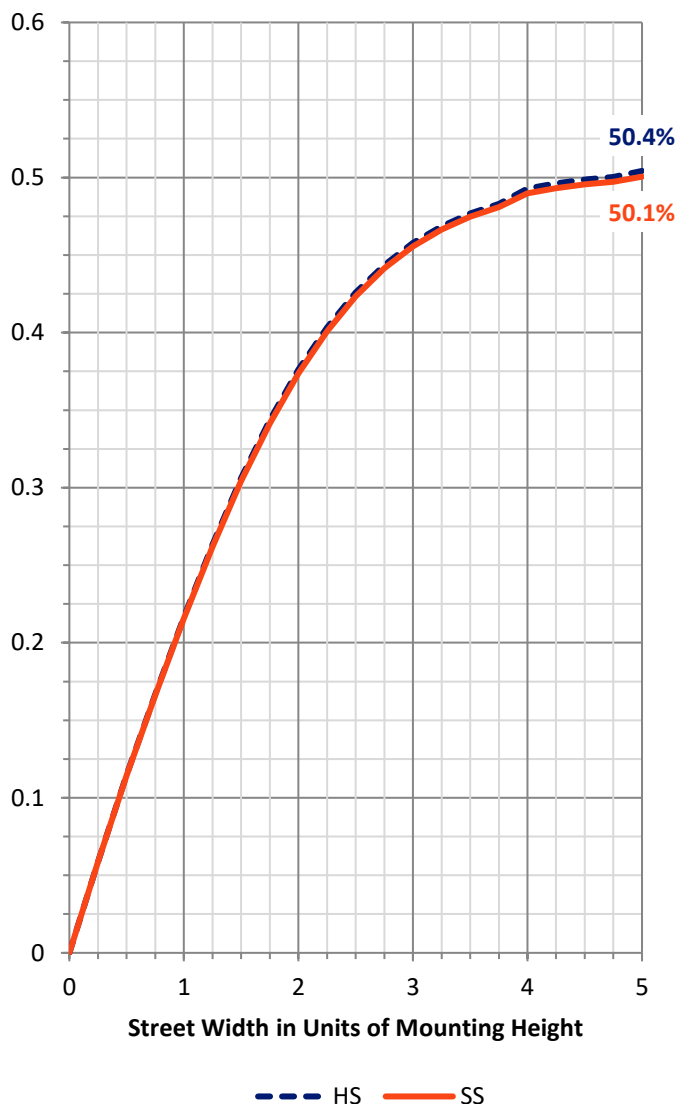
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	34347.1	0.0	34347.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	34347.1	0.0	34347.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	68694.2	0.0	68694.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	527.7	0.8
10°-20°	1541.3	2.2
20°-30°	2627.9	3.8
30°-40°	4106.2	6.0
40°-50°	6959.0	10.1
50°-60°	12690.3	18.5
60°-70°	21847.3	31.8
70°-80°	17124.7	24.9
80°-90°	1269.8	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°	68694.2	100.0
0°-180°	68694.2	100.0

**Coefficient of Utilization**



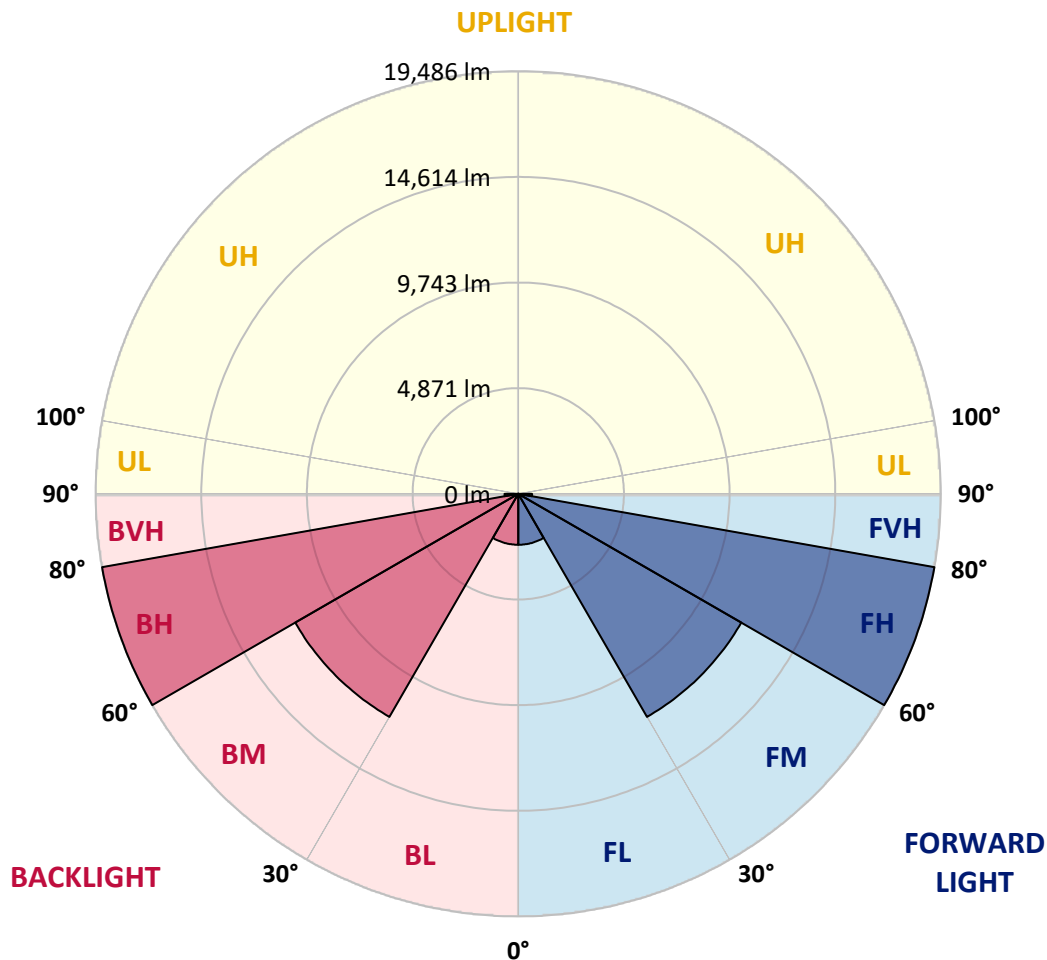
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2348.5	3.4			
FM (30°-60°)	11877.8	17.3			
FH (60°-80°)	19486.0	28.4			G5
FVH (80°-90°)	634.9	0.9			G4/750
BL (0°-30°)	2348.5	3.4	B3/2500		
BM (30°-60°)	11877.8	17.3	B5		
BH (60°-80°)	19486.0	28.4	B5		G5
BVH (80°-90°)	634.9	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°	5653.6	5653.6	5653.6	5653.6	5653.6	5653.6	5653.6	5653.6	5653.6	5653.6	5653.6
2.5°	5628.5	5635.4	5628.5	5633.1	5621.7	5626.3	5626.3	5626.3	5624.0	5626.3	5621.7
5°	5578.6	5583.1	5574.0	5578.6	5571.8	5578.6	5580.8	5578.6	5574.0	5576.2	5567.2
7.5°	5503.6	5508.1	5501.3	5508.1	5499.0	5510.4	5508.1	5501.3	5494.5	5494.5	5485.4
10°	5462.7	5464.9	5446.8	5440.0	5419.5	5424.0	5430.8	5437.6	5444.5	5458.1	5455.9
12.5°	5464.9	5464.9	5437.6	5408.1	5378.6	5385.4	5396.7	5421.8	5449.0	5474.1	5476.3
15°	5487.7	5485.4	5444.5	5396.7	5376.3	5396.7	5403.6	5419.5	5462.7	5505.8	5508.1
17.5°	5503.6	5503.6	5440.0	5385.4	5383.1	5415.0	5412.7	5419.5	5467.3	5530.9	5533.1
20°	5533.1	5533.1	5451.3	5392.3	5392.3	5426.3	5428.6	5440.0	5487.7	5558.1	5569.4
22.5°	5599.0	5601.3	5514.9	5467.3	5471.7	5492.2	5499.0	5517.2	5560.4	5637.6	5651.2
25°	5692.1	5696.7	5608.1	5580.8	5596.7	5635.4	5630.8	5644.4	5692.1	5767.1	5780.8
27.5°	5821.7	5810.3	5728.6	5717.2	5733.1	5760.3	5758.1	5760.3	5799.0	5867.2	5883.0
30°	5989.9	5985.3	5926.2	5933.0	5926.2	5917.1	5919.4	5937.6	5958.0	6012.6	6028.5
32.5°	6153.4	6158.0	6121.7	6155.8	6205.7	6239.8	6187.5	6137.5	6114.9	6144.4	6158.0
35°	6448.8	6460.2	6403.4	6380.7	6448.8	6548.9	6401.1	6319.3	6364.8	6403.4	6414.7
37.5°	6951.0	6957.8	6862.4	6771.5	6721.5	6817.0	6669.2	6676.1	6835.1	6907.9	6905.6
40°	7523.6	7526.0	7462.3	7382.8	7296.4	7319.2	7260.1	7278.3	7382.8	7448.7	7466.8
42.5°	8205.4	8198.6	8098.6	7984.9	7960.0	7982.7	7882.7	7869.1	7989.5	8107.6	8110.0
45°	9089.3	9073.4	8943.9	8818.9	8698.4	8648.5	8623.4	8689.4	8855.2	8964.3	8966.6
47.5°	10041.4	9998.2	9930.0	9830.1	9725.5	9675.5	9634.6	9666.5	9786.9	9830.1	9834.6
50°	11020.8	11029.9	11043.5	11004.8	10966.3	10950.3	10843.5	10782.2	10818.5	10739.0	10727.6
52.5°	12181.9	12200.1	12331.9	12443.2	12509.1	12543.2	12341.0	12129.7	12011.5	11857.0	11811.6
55°	13552.2	13581.7	13774.8	14083.9	14402.0	14570.1	14204.3	13808.9	13443.1	13154.5	13061.3
57.5°	15079.1	15131.4	15397.3	15990.3	16642.5	17040.1	16422.1	15704.0	14997.4	14581.5	14508.8
60°	16869.8	16919.7	17287.8	18137.7	19194.4	19791.9	18855.7	17681.0	16801.6	16403.9	16269.9
62.5°	19001.1	19005.7	19457.9	20450.9	21846.1	22677.8	21409.9	19839.6	18933.0	18453.5	18324.0
65°	21294.0	21305.3	21773.4	22845.9	24288.9	25193.2	23761.7	22125.7	21016.7	20310.1	20210.0
67.5°	22914.1	22961.8	23454.9	24745.6	26095.3	26911.1	25429.6	23579.9	22298.3	21455.3	21371.2
70°	22655.1	22841.4	23420.9	24927.4	26804.4	27967.8	25700.0	23407.2	21716.6	20721.3	20650.9
72.5°	19757.8	20114.6	20887.2	22864.1	25865.8	27467.9	24225.3	20964.5	19051.2	18203.6	18076.3
75°	13454.4	14033.9	15199.6	18051.3	22098.4	23782.1	20394.1	16715.2	14915.6	13743.0	13656.7
77.5°	5999.0	6130.7	7607.8	10891.3	15249.5	17078.8	14817.8	10934.4	8207.6	6546.5	6196.7
80°	1672.4	1692.9	2258.7	4056.1	7632.7	10034.5	8194.0	4260.6	2395.0	1688.3	1590.6
82.5°	531.7	577.2	704.4	1052.1	2565.5	4578.7	2633.6	1136.1	809.0	645.4	581.8
85°	259.1	256.7	356.8	427.2	654.4	1013.4	697.6	527.2	461.3	306.8	277.2
87.5°	109.1	111.3	165.9	150.0	190.9	163.6	225.0	236.3	247.7	136.4	118.1
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)