

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: P382626

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P382626  
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-SA0B-735-U-5MQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 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: 55353.5 lumens  
Efficiency: N/A  
Efficacy: 132.1 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

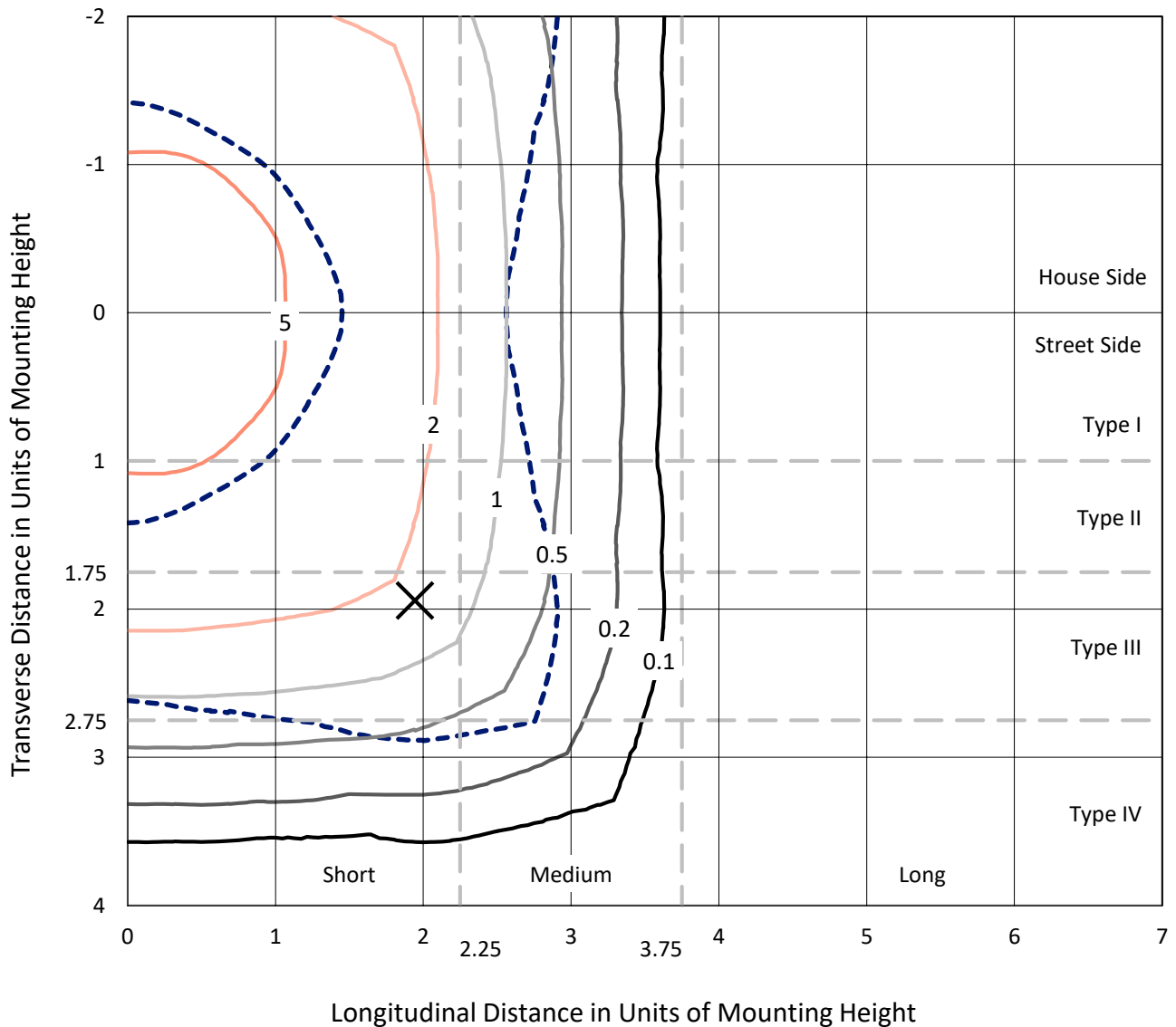
Input Watts (W): 419  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

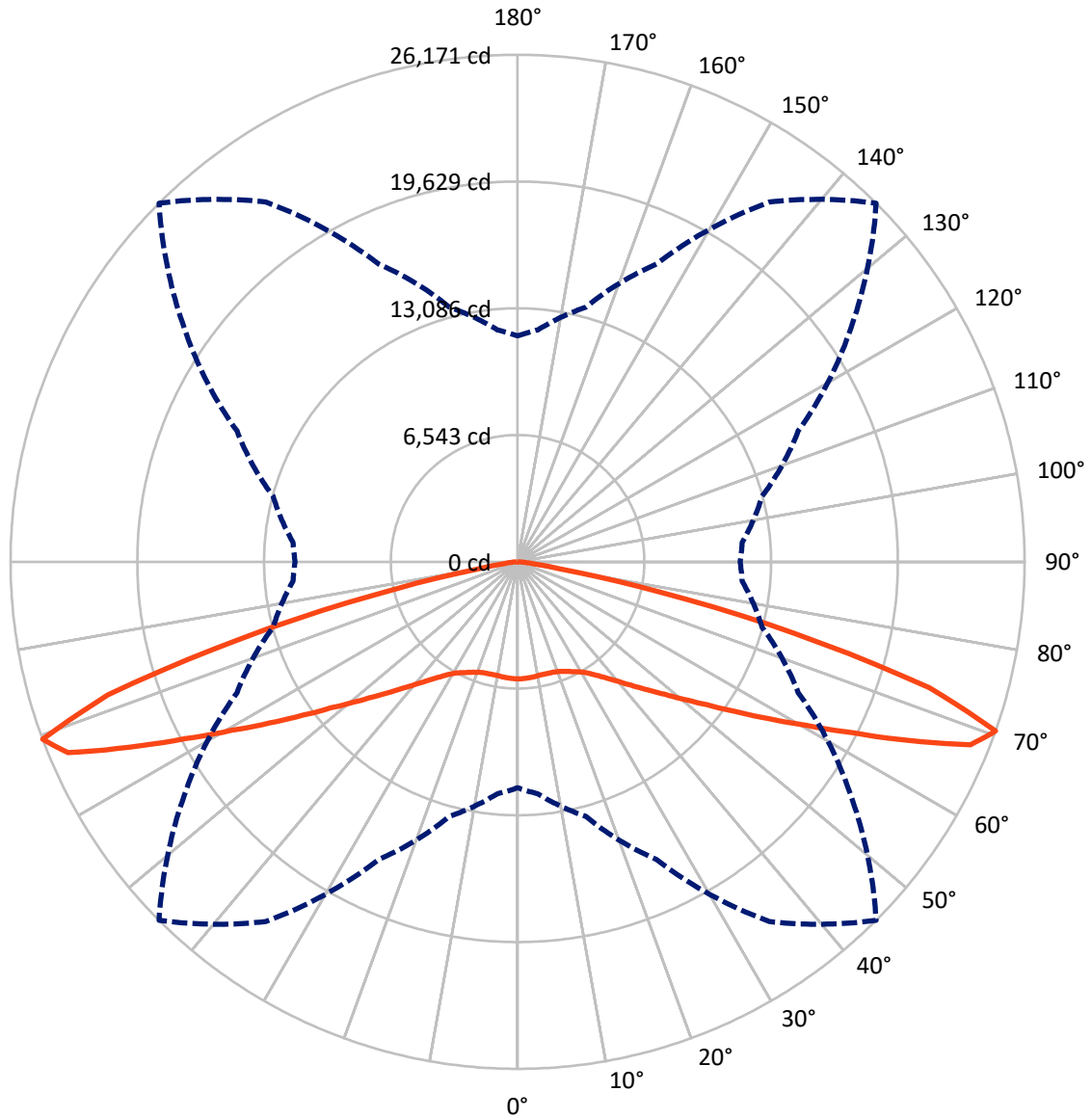
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 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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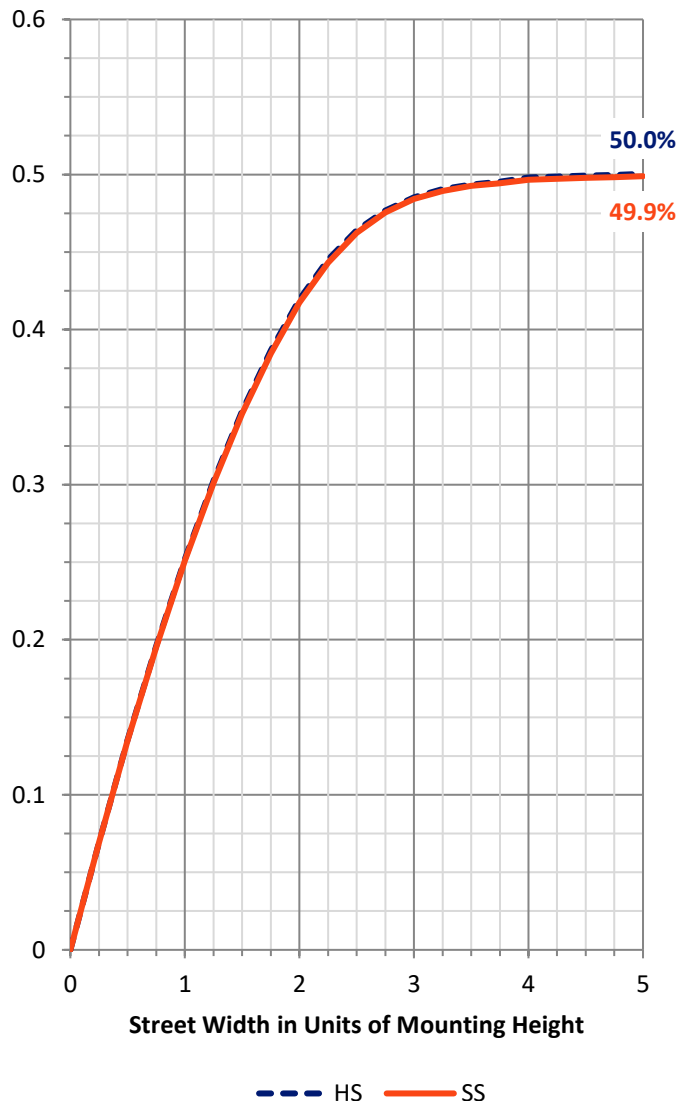
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	27676.7	0.0	27676.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	27676.7	0.0	27676.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	55353.5	0.0	55353.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	572.6	1.0
10°-20°	1680.9	3.0
20°-30°	2861.5	5.2
30°-40°	4538.3	8.2
40°-50°	7385.1	13.3
50°-60°	12176.8	22.0
60°-70°	17875.8	32.3
70°-80°	7904.6	14.3
80°-90°	358.0	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°	55353.5	100.0
0°-180°	55353.5	100.0

**Coefficient of Utilization**

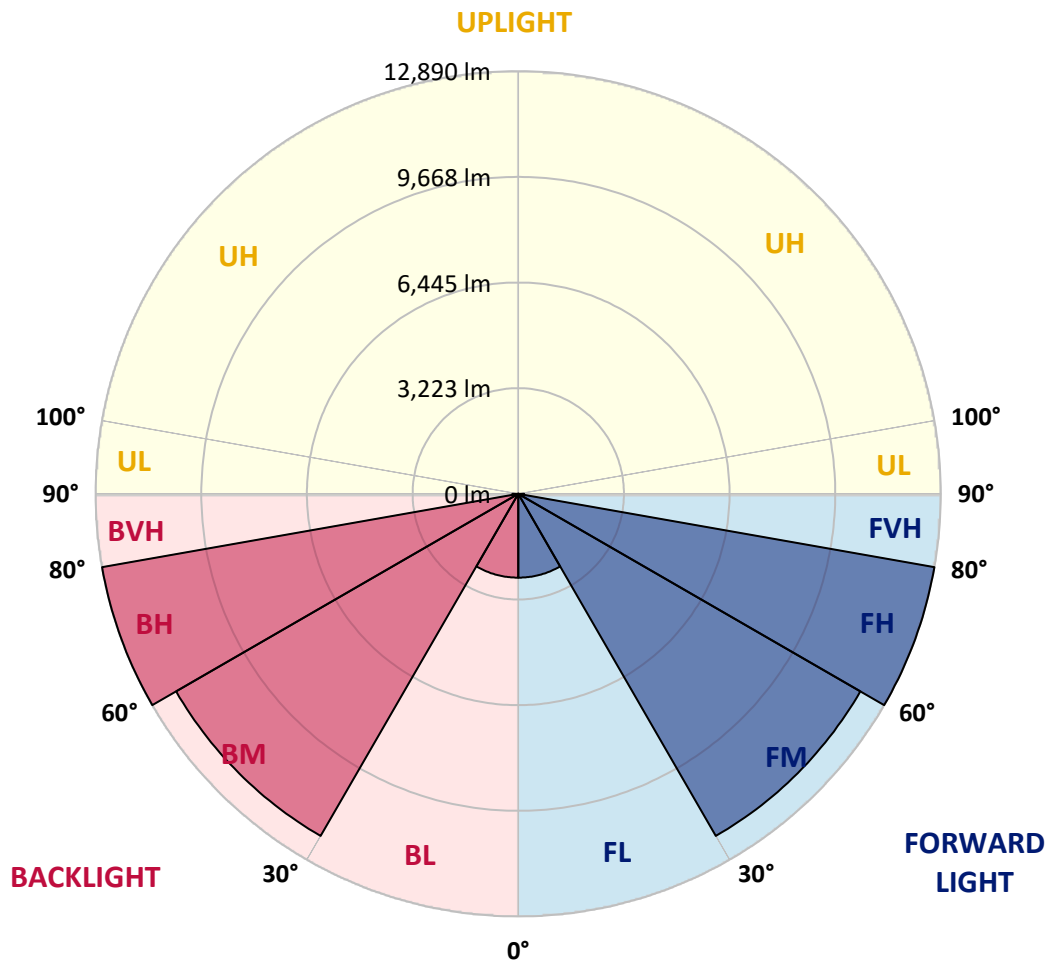


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2557.5	4.6			
FM (30°-60°)	12050.1	21.8			
FH (60°-80°)	12890.2	23.3			G5
FVH (80°-90°)	179.0	0.3			G2/225
BL (0°-30°)	2557.5	4.6	B4/5000		
BM (30°-60°)	12050.1	21.8	B5		
BH (60°-80°)	12890.2	23.3	B5		G5
BVH (80°-90°)	179.0	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-G5**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6045.5	6045.5	6045.5	6045.5	6045.5	6045.5	6045.5	6045.5	6045.5	6045.5	6045.5
2.5°	6036.3	6030.8	6043.6	6041.8	6030.8	6032.6	6032.6	6038.1	6038.1	6034.5	6034.5
5°	6014.4	6010.6	6025.3	6025.3	6014.4	6018.0	6021.6	6027.1	6025.3	6021.6	6019.8
7.5°	5986.9	5985.0	5999.6	5999.6	5992.4	5996.0	5992.4	5994.1	5990.5	5986.9	5981.4
10°	5941.0	5944.7	5957.5	5961.2	5961.2	5963.0	5959.4	5950.2	5944.7	5939.2	5933.7
12.5°	5898.9	5897.1	5915.4	5924.5	5939.2	5955.7	5944.7	5919.1	5908.1	5897.1	5893.4
15°	5871.5	5873.2	5891.6	5908.1	5933.7	5968.5	5955.7	5915.4	5893.4	5880.6	5876.9
17.5°	5866.0	5869.6	5893.4	5922.7	5950.2	5988.6	5981.4	5941.0	5904.4	5880.6	5875.1
20°	5878.7	5880.6	5917.2	5959.4	6007.0	6043.6	6027.1	5983.1	5933.7	5897.1	5887.9
22.5°	5902.6	5909.9	5955.7	6021.6	6094.9	6144.4	6124.3	6049.1	5972.2	5926.4	5913.6
25°	5977.6	5979.5	6041.8	6131.5	6219.5	6276.3	6252.5	6146.3	6047.3	5996.0	5979.5
27.5°	6133.4	6138.9	6201.2	6305.6	6380.7	6417.3	6402.7	6316.6	6232.3	6177.4	6182.9
30°	6358.7	6366.0	6435.7	6551.1	6596.8	6606.1	6602.3	6562.1	6485.2	6411.8	6417.3
32.5°	6633.6	6637.2	6730.6	6835.0	6871.7	6879.0	6871.7	6835.0	6743.5	6644.5	6650.0
35°	6987.1	6998.1	7087.9	7188.6	7217.9	7232.5	7219.8	7172.1	7076.9	6979.8	6976.1
37.5°	7423.1	7424.9	7518.3	7622.8	7659.5	7663.1	7648.5	7617.3	7498.2	7410.3	7404.8
40°	7928.7	7936.0	8046.0	8157.7	8172.4	8155.9	8176.0	8157.7	8035.0	7934.2	7950.7
42.5°	8544.2	8560.7	8692.6	8802.6	8760.5	8751.2	8764.1	8769.6	8670.7	8547.9	8536.9
45°	9260.5	9275.2	9440.1	9528.1	9500.6	9440.1	9465.7	9509.7	9372.3	9220.3	9234.9
47.5°	10077.6	10114.3	10290.2	10372.5	10304.8	10222.3	10271.8	10337.8	10176.5	9987.9	9978.6
50°	10986.3	11032.0	11266.5	11381.9	11314.2	11162.1	11244.5	11288.5	11055.9	10812.2	10792.1
52.5°	11955.4	12001.1	12296.1	12534.3	12490.3	12253.9	12369.4	12323.6	12056.1	11728.2	11702.6
55°	13052.7	13071.0	13389.8	13774.5	13818.5	13644.5	13637.1	13562.0	13166.3	12787.1	12768.7
57.5°	14181.2	14194.0	14606.2	15060.5	15267.5	15267.5	15062.4	14903.0	14377.2	13937.5	13891.7
60°	15399.4	15445.2	15901.4	16518.8	17002.4	17145.3	16782.6	16348.4	15776.8	15240.0	15186.9
62.5°	16483.9	16537.1	17235.0	18154.7	18931.5	19451.7	18565.1	17858.0	16817.4	15956.4	15855.6
65°	16621.3	16764.2	17781.0	19446.2	21184.8	22223.5	20523.4	18781.2	16885.1	15688.8	15586.3
67.5°	15179.6	15421.4	16795.4	19387.6	22980.1	25209.5	21774.6	18253.7	15668.7	14346.0	14232.5
70°	11664.1	12015.8	13600.5	16958.5	22670.5	26171.4	20990.6	15980.1	13063.7	11640.2	11480.9
72.5°	6399.0	6543.7	7969.0	11612.8	18174.9	22240.0	17508.1	11816.1	8663.3	7049.4	6781.9
75°	2029.8	2081.1	2806.6	4752.1	10280.9	14730.7	11121.8	5800.0	3193.1	2354.0	2326.6
77.5°	901.4	906.9	1014.9	1386.8	3541.2	7463.4	4253.8	1579.2	1088.1	950.8	981.9
80°	569.7	569.7	628.3	687.0	963.6	2167.2	1150.5	751.1	641.2	595.4	608.2
82.5°	272.9	302.3	408.5	439.7	529.4	729.1	589.9	490.9	428.7	318.8	296.8
85°	179.5	150.3	258.3	291.3	307.8	349.9	342.5	324.3	280.3	159.4	177.7
87.5°	80.6	76.9	133.8	122.8	115.4	87.9	131.9	163.0	157.5	78.8	78.8
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)