

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: P382687

Luminaire Tested: **GLEON-SA0D-735-U-RW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P382687  
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-SA0D-735-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 73130.2 lumens  
Efficiency: N/A  
Efficacy: 114.3 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B5 - U0 - G5

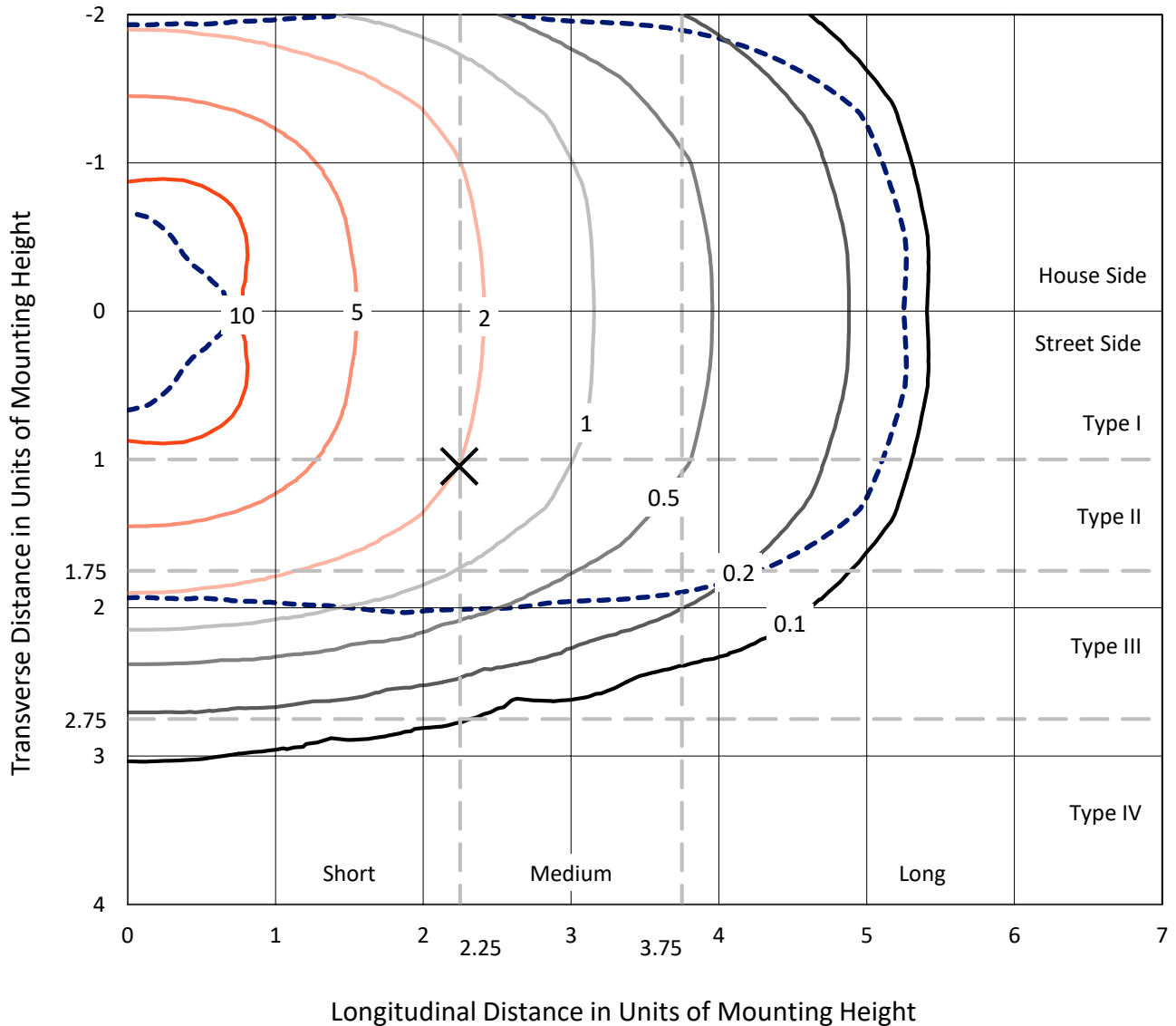
Input Watts (W): 640  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

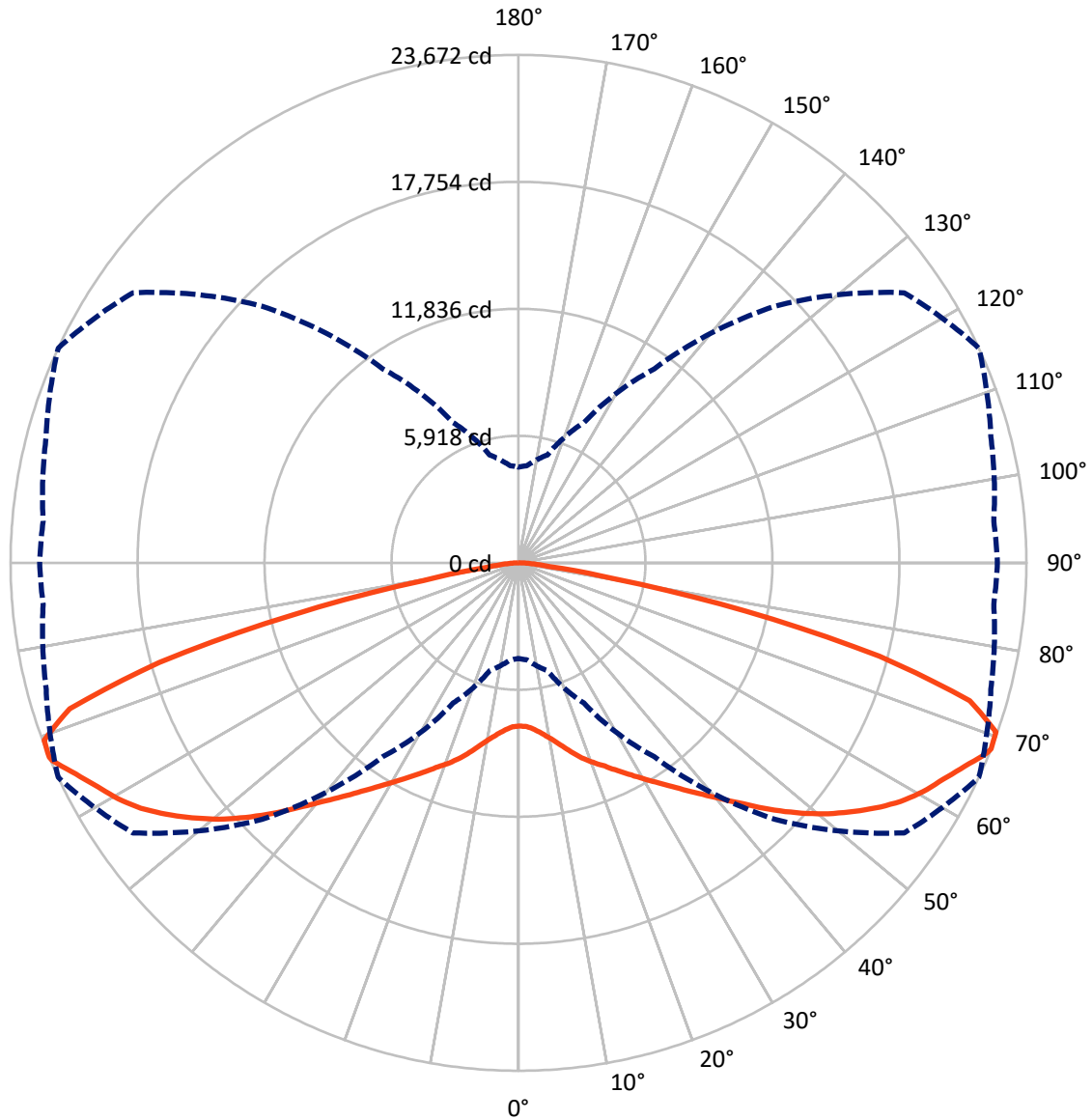
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.8 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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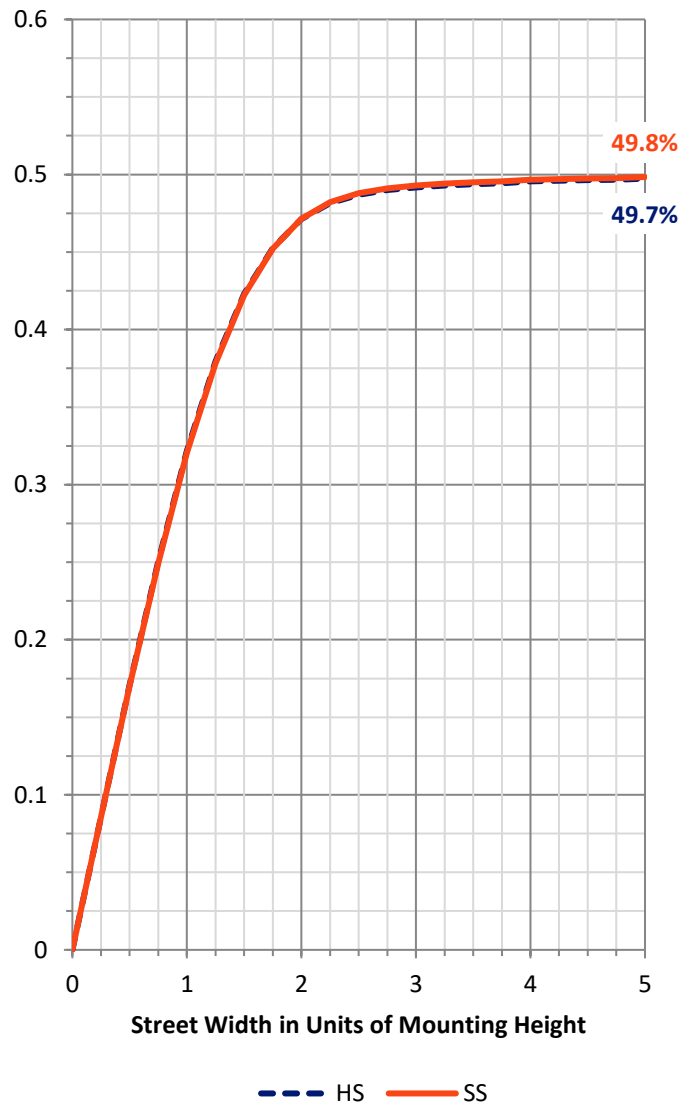
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	36565.1	0.0	36565.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	36565.1	0.0	36565.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	73130.2	0.0	73130.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	744.4	1.0
10°-20°	2492.8	3.4
20°-30°	4860.3	6.6
30°-40°	8164.9	11.2
40°-50°	12865.0	17.6
50°-60°	17204.8	23.5
60°-70°	16725.2	22.9
70°-80°	9142.8	12.5
80°-90°	929.9	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°	73130.2	100.0
0°-180°	73130.2	100.0

**Coefficient of Utilization**



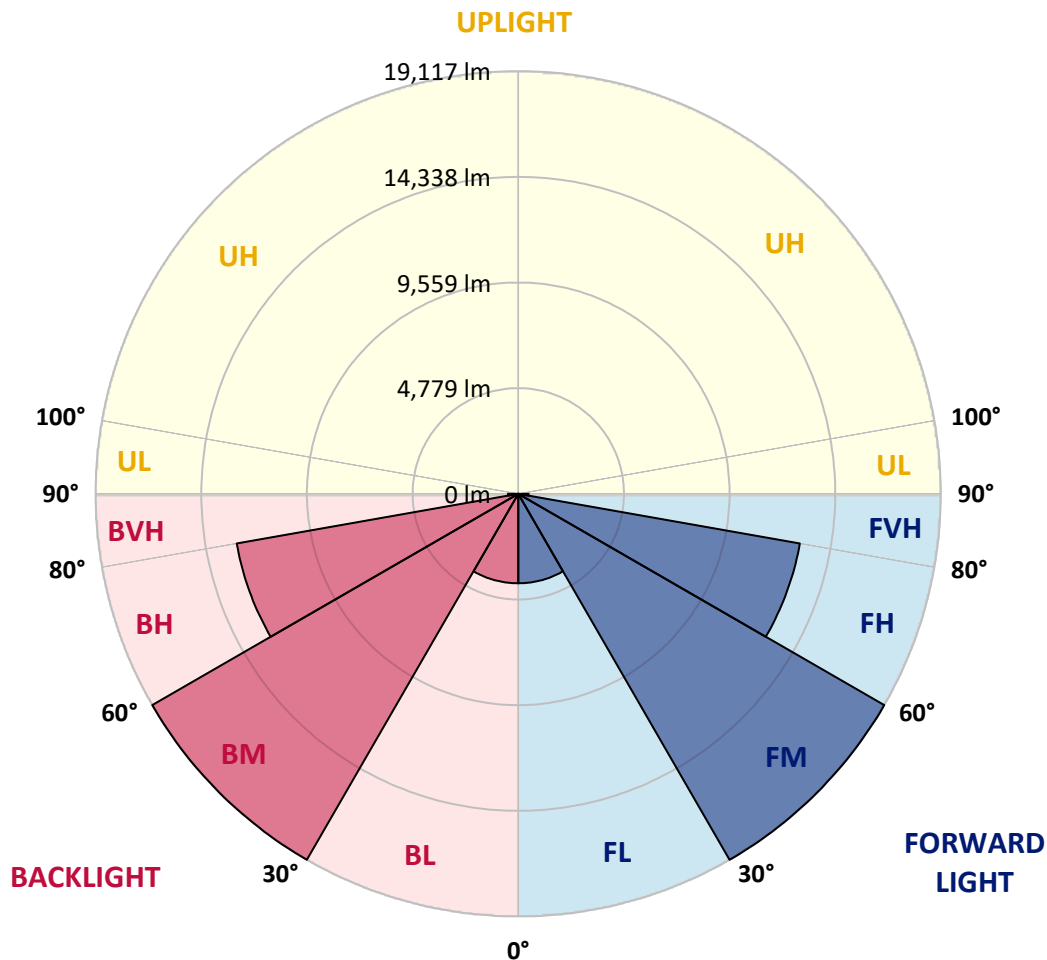
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4048.8	5.5			
FM (30°-60°)	19117.4	26.1			
FH (60°-80°)	12934.0	17.7			G5
FVH (80°-90°)	464.9	0.6			G3/500
BL (0°-30°)	4048.8	5.5	B4/5000		
BM (30°-60°)	19117.4	26.1	B5		
BH (60°-80°)	12934.0	17.7	B5		G5
BVH (80°-90°)	464.9	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°	7603.9	7603.9	7603.9	7603.9	7603.9	7603.9	7603.9	7603.9	7603.9	7603.9	7603.9
2.5°	7549.9	7552.3	7564.6	7579.3	7591.6	7623.4	7630.8	7643.1	7647.9	7660.2	7660.2
5°	7483.7	7488.6	7518.0	7557.3	7601.3	7679.9	7736.2	7799.9	7831.9	7866.2	7863.8
7.5°	7476.3	7488.6	7530.3	7594.0	7667.6	7797.5	7915.3	8042.7	8128.6	8207.0	8202.1
10°	7552.3	7571.9	7630.8	7726.4	7836.7	7998.6	8172.7	8344.3	8493.9	8614.1	8619.0
12.5°	7667.6	7692.1	7785.3	7930.0	8096.6	8305.1	8511.1	8704.8	8910.8	9089.8	9104.5
15°	7819.6	7851.5	7991.3	8207.0	8462.1	8709.7	8930.4	9129.0	9366.8	9614.5	9639.0
17.5°	8045.2	8089.4	8273.3	8565.0	8900.9	9173.1	9403.6	9553.2	9751.8	10006.9	10053.4
20°	8388.5	8444.9	8677.8	9026.0	9435.6	9720.0	9896.5	9928.3	10026.4	10254.5	10308.4
22.5°	8834.8	8883.8	9143.7	9558.1	10016.7	10325.6	10418.8	10291.3	10281.5	10465.4	10516.9
25°	9332.5	9376.7	9678.2	10144.2	10637.0	10977.8	10975.4	10727.7	10556.1	10698.4	10752.3
27.5°	9891.5	9960.2	10249.6	10740.0	11267.2	11603.1	11583.5	11201.0	10874.9	10911.7	10958.3
30°	10534.0	10610.0	10892.0	11389.8	11917.0	12245.6	12221.1	11715.9	11225.5	11127.4	11161.7
32.5°	11331.0	11421.7	11689.0	12179.3	12645.2	12942.0	12870.8	12275.0	11647.2	11433.9	11465.8
35°	12289.7	12343.7	12625.6	13108.6	13486.3	13689.8	13540.2	12922.3	12181.8	11924.4	11924.4
37.5°	13260.7	13302.4	13618.7	14087.0	14452.4	14560.3	14268.5	13631.0	12880.6	12515.2	12522.6
40°	14192.5	14305.3	14660.8	15141.5	15501.9	15531.3	15143.9	14440.1	13658.0	13280.3	13324.5
42.5°	15166.0	15276.3	15700.5	16244.9	16563.7	16612.7	16159.0	15347.4	14535.8	14229.3	14278.3
45°	16034.0	16122.3	16612.7	17245.3	17642.5	17770.0	17233.1	16387.0	15484.7	15185.5	15197.8
47.5°	16639.7	16754.9	17294.4	18039.8	18618.5	18814.7	18287.4	17399.8	16419.0	16056.1	16087.9
50°	17188.9	17250.2	17797.0	18611.1	19346.8	19751.3	19300.1	18400.2	17363.0	16978.0	17012.4
52.5°	17495.4	17573.8	18103.5	18952.0	19822.4	20474.7	20200.1	19300.1	18275.2	17900.0	17941.7
55°	17282.1	17340.9	17976.0	19028.0	20116.7	20921.0	20962.6	20180.4	19170.1	18841.6	18959.3
57.5°	16311.0	16384.6	17159.5	18537.5	20153.5	21222.5	21536.4	20997.0	20006.3	19739.0	19807.7
60°	14793.3	14839.8	15666.2	17215.8	19437.4	21347.6	21901.7	21663.9	20825.3	20558.0	20651.2
62.5°	12088.6	12157.3	13145.4	15222.3	17924.6	20977.3	22254.9	22215.6	21587.9	21342.7	21426.1
65°	8263.4	8383.6	9477.2	12103.3	15592.6	19844.5	22576.1	22858.0	22262.2	21953.2	22063.6
67.5°	4989.9	5078.2	5870.2	7991.3	11931.7	17559.2	22245.1	23588.7	22737.9	22240.1	22330.9
68°	4460.2	4541.2	5203.3	7211.5	11036.7	16914.3	21943.4	23672.1	22789.4	22235.2	22316.2
70°	2694.8	2748.7	3192.6	4457.8	7358.6	13417.6	19886.1	23603.5	23117.9	22303.9	22350.4
72.5°	1755.7	1772.8	1846.4	2287.8	3759.0	7503.2	14925.6	21995.0	23610.8	22703.6	22696.2
75°	1459.0	1449.2	1456.5	1508.0	1853.8	3290.7	8722.0	17375.2	22507.4	22073.4	21918.9
77.5°	1233.4	1226.0	1223.6	1226.0	1240.7	1588.9	3786.0	10823.4	17223.2	19525.7	19663.0
80°	998.0	988.2	1020.0	1005.3	961.2	988.2	1586.5	4502.0	8118.7	8734.2	8184.9
82.5°	725.8	689.1	826.4	787.1	750.4	696.4	875.4	1454.1	1937.2	1329.0	934.2
85°	559.1	519.8	627.8	603.2	515.0	355.6	519.8	711.1	784.6	448.7	353.1
87.5°	228.0	240.3	453.7	358.0	301.6	171.7	213.3	284.4	382.5	191.2	147.1
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)