

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: P382659

Luminaire Tested: **GLEON-SA0C-735-U-RW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P382659  
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-SA0C-735-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 66665.3 lumens  
Efficiency: N/A  
Efficacy: 119.5 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B5 - U0 - G5

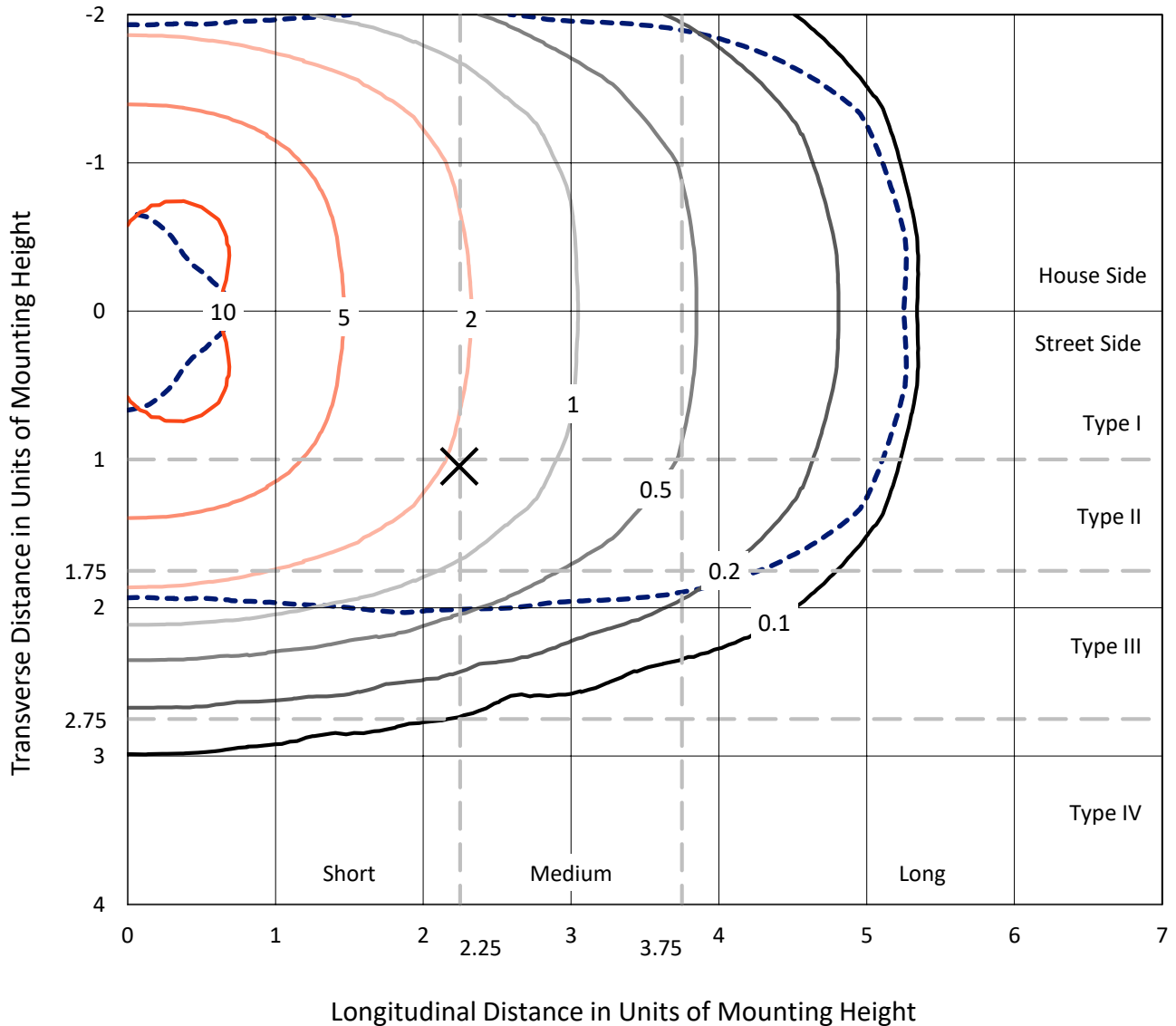
Input Watts (W): 558  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

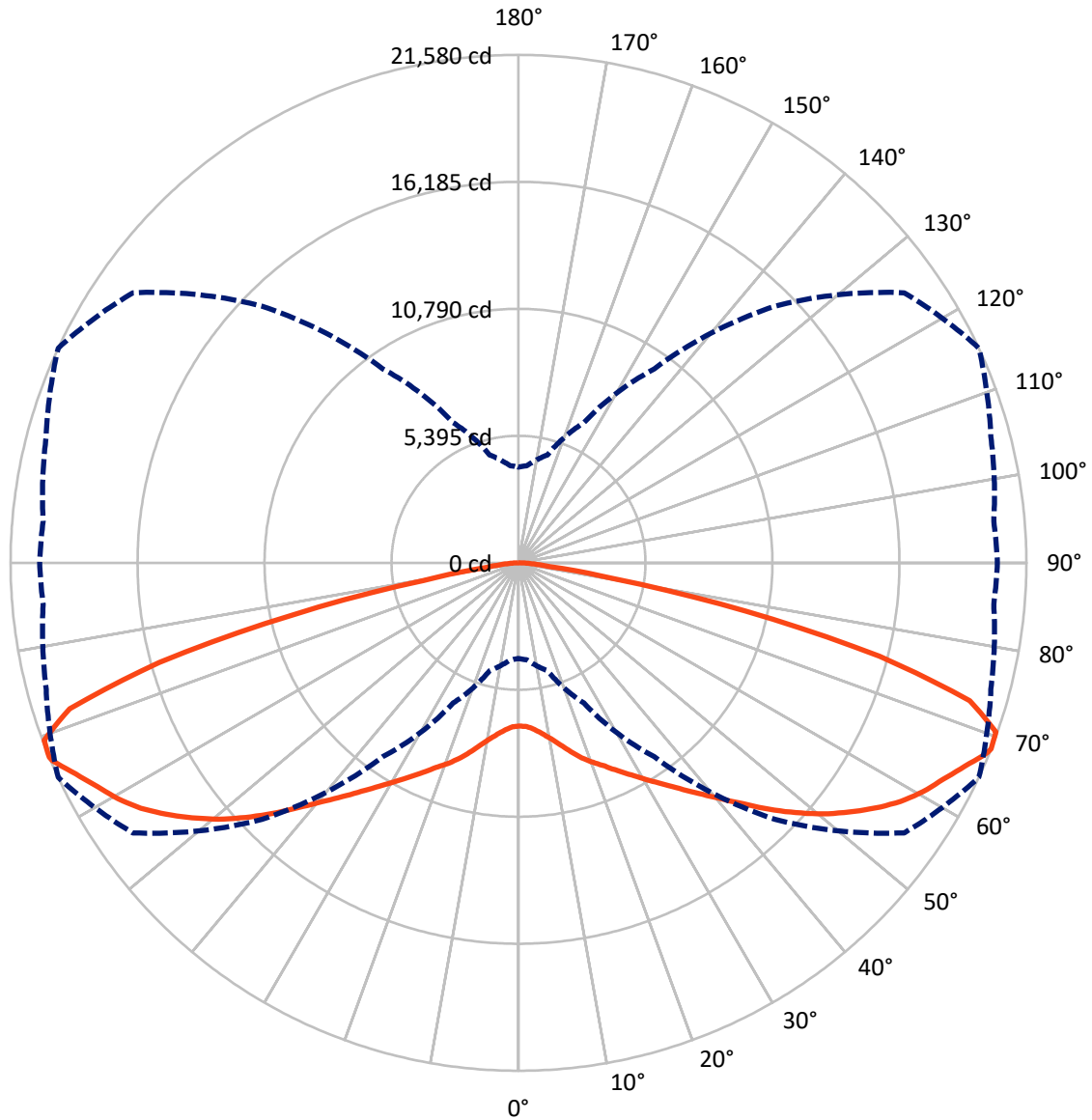
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 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	33332.6	0.0	33332.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	33332.6	0.0	33332.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	66665.3	0.0	66665.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	678.6	1.0
10°-20°	2272.4	3.4
20°-30°	4430.6	6.6
30°-40°	7443.1	11.2
40°-50°	11727.7	17.6
50°-60°	15683.9	23.5
60°-70°	15246.7	22.9
70°-80°	8334.6	12.5
80°-90°	847.6	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°	66665.3	100.0
0°-180°	66665.3	100.0

**Coefficient of Utilization**



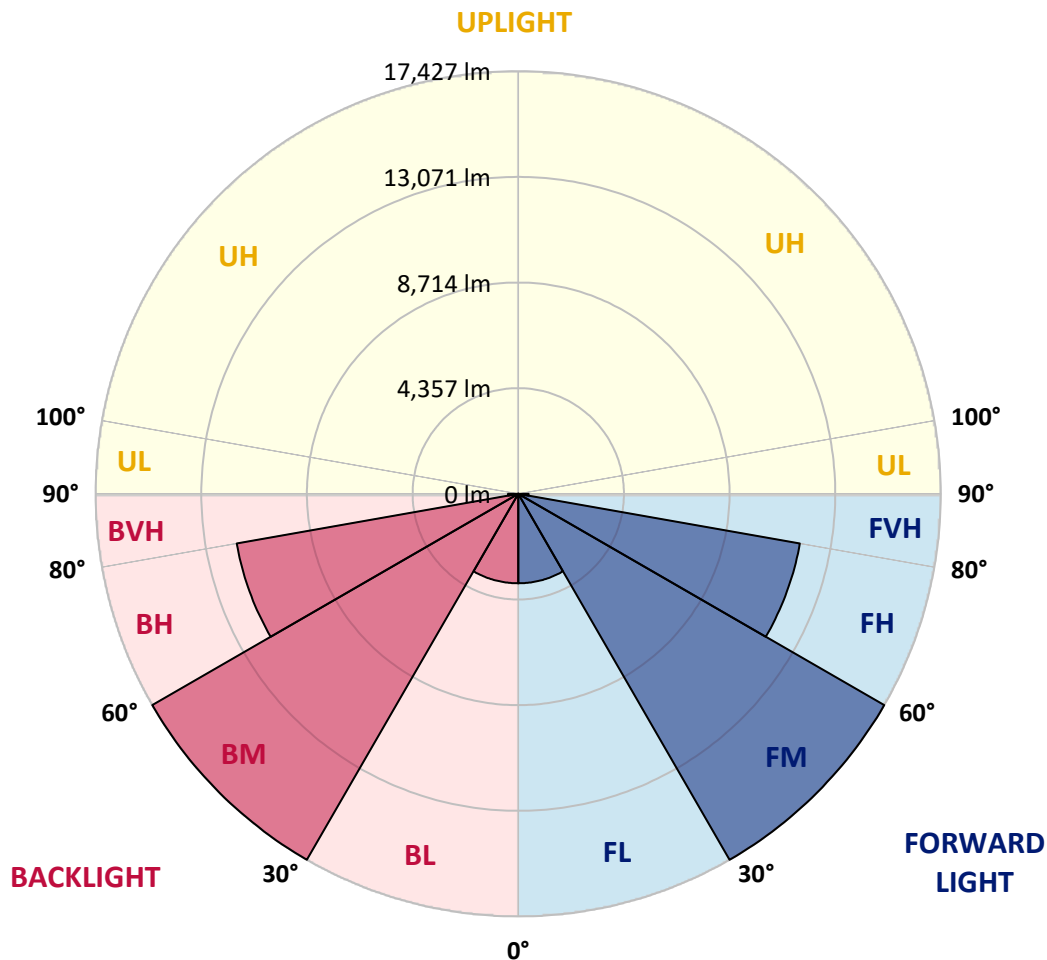
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3690.8	5.5			
FM (30°-60°)	17427.4	26.1			
FH (60°-80°)	11790.6	17.7			G4/12000
FVH (80°-90°)	423.8	0.6			G3/500
BL (0°-30°)	3690.8	5.5	B4/5000		
BM (30°-60°)	17427.4	26.1	B5		
BH (60°-80°)	11790.6	17.7	B5		G5
BVH (80°-90°)	423.8	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°	6931.6	6931.6	6931.6	6931.6	6931.6	6931.6	6931.6	6931.6	6931.6	6931.6	6931.6
2.5°	6882.5	6884.7	6895.9	6909.3	6920.5	6949.5	6956.2	6967.4	6971.9	6983.1	6983.1
5°	6822.1	6826.6	6853.4	6889.2	6929.4	7001.0	7052.3	7110.4	7139.5	7170.8	7168.5
7.5°	6815.4	6826.6	6864.6	6922.7	6989.8	7108.2	7215.5	7331.7	7410.0	7481.5	7477.1
10°	6884.7	6902.6	6956.2	7043.3	7143.9	7291.5	7450.2	7606.6	7743.0	7852.6	7857.0
12.5°	6989.8	7012.1	7097.0	7228.9	7380.9	7570.9	7758.7	7935.3	8123.0	8286.2	8299.6
15°	7128.3	7157.4	7284.8	7481.5	7714.0	7939.8	8140.9	8322.0	8538.8	8764.6	8786.9
17.5°	7334.0	7374.2	7541.8	7807.9	8114.1	8362.2	8572.3	8708.7	8889.8	9122.2	9164.7
20°	7646.9	7698.3	7910.7	8228.1	8601.4	8860.7	9021.6	9050.6	9140.1	9348.0	9397.2
22.5°	8053.7	8098.4	8335.4	8713.1	9131.1	9412.8	9497.7	9381.5	9372.6	9540.2	9587.1
25°	8507.5	8547.7	8822.7	9247.4	9696.7	10007.3	10005.1	9779.4	9622.9	9752.6	9801.7
27.5°	9017.1	9079.7	9343.5	9790.6	10271.2	10577.4	10559.5	10210.8	9913.5	9947.1	9989.5
30°	9602.8	9672.1	9929.2	10382.9	10863.5	11163.0	11140.7	10680.2	10233.1	10143.7	10175.0
32.5°	10329.3	10412.0	10655.6	11102.7	11527.3	11797.9	11733.0	11189.8	10617.6	10423.2	10452.2
35°	11203.3	11252.4	11509.5	11949.8	12294.1	12479.6	12343.3	11780.0	11104.9	10870.2	10870.2
37.5°	12088.4	12126.4	12414.7	12841.8	13174.8	13273.2	13007.1	12425.9	11742.0	11408.8	11415.6
40°	12937.8	13040.6	13364.7	13802.9	14131.5	14158.3	13805.2	13163.6	12450.5	12106.3	12146.5
42.5°	13825.3	13925.8	14312.6	14808.7	15099.4	15144.1	14730.6	13990.6	13250.8	12971.3	13016.0
45°	14616.5	14697.0	15144.1	15720.8	16082.9	16199.1	15709.6	14938.4	14115.8	13843.1	13854.3
47.5°	15168.7	15273.7	15765.5	16445.0	16972.5	17151.4	16670.8	15861.6	14967.5	14636.7	14665.7
50°	15669.4	15725.3	16223.7	16965.8	17636.4	18005.2	17594.0	16773.5	15828.0	15477.1	15508.4
52.5°	15948.7	16020.3	16503.1	17276.5	18070.1	18664.7	18414.3	17594.0	16659.6	16317.5	16355.6
55°	15754.3	15807.9	16386.9	17345.8	18338.3	19071.5	19109.5	18396.4	17475.5	17176.0	17283.2
57.5°	14869.1	14936.2	15642.5	16898.7	18371.8	19346.4	19632.6	19140.8	18237.7	17994.1	18056.7
60°	13485.5	13527.9	14281.3	15694.0	17719.1	19460.4	19965.6	19748.7	18984.3	18740.6	18825.6
62.5°	11019.9	11082.5	11983.3	13876.6	16339.9	19122.9	20287.4	20251.7	19679.4	19455.9	19531.9
65°	7532.9	7642.4	8639.4	11033.3	14214.2	18090.2	20580.3	20837.3	20294.1	20012.5	20113.1
67.5°	4548.8	4629.2	5351.3	7284.8	10876.9	16006.9	20278.5	21503.5	20727.8	20274.0	20356.7
68°	4066.0	4139.7	4743.3	6573.9	10061.0	15419.0	20003.6	21579.5	20774.7	20269.5	20343.3
70°	2456.6	2505.8	2910.3	4063.8	6708.1	12231.5	18128.2	21516.9	21074.3	20332.1	20374.6
72.5°	1600.5	1616.1	1683.2	2085.5	3426.7	6840.0	13606.2	20050.5	21523.6	20696.5	20689.8
75°	1330.0	1321.0	1327.7	1374.7	1689.9	2999.8	7950.9	15839.2	20517.7	20122.1	19981.2
77.5°	1124.4	1117.7	1115.4	1117.7	1131.1	1448.5	3451.3	9866.6	15700.7	17799.5	17924.7
80°	909.7	900.8	929.9	916.5	876.2	900.8	1446.2	4104.0	7401.1	7962.1	7461.4
82.5°	661.7	628.1	753.2	717.6	684.0	634.8	798.0	1325.5	1765.8	1211.6	851.6
85°	509.6	473.9	572.2	549.9	469.4	324.1	473.9	648.3	715.3	409.0	321.8
87.5°	207.9	219.1	413.5	326.3	274.9	156.5	194.5	259.2	348.7	174.4	134.1
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)