

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: P317254

Luminaire Tested: **GLEON-SA0C-827-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317254
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-827-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 80 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52608 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

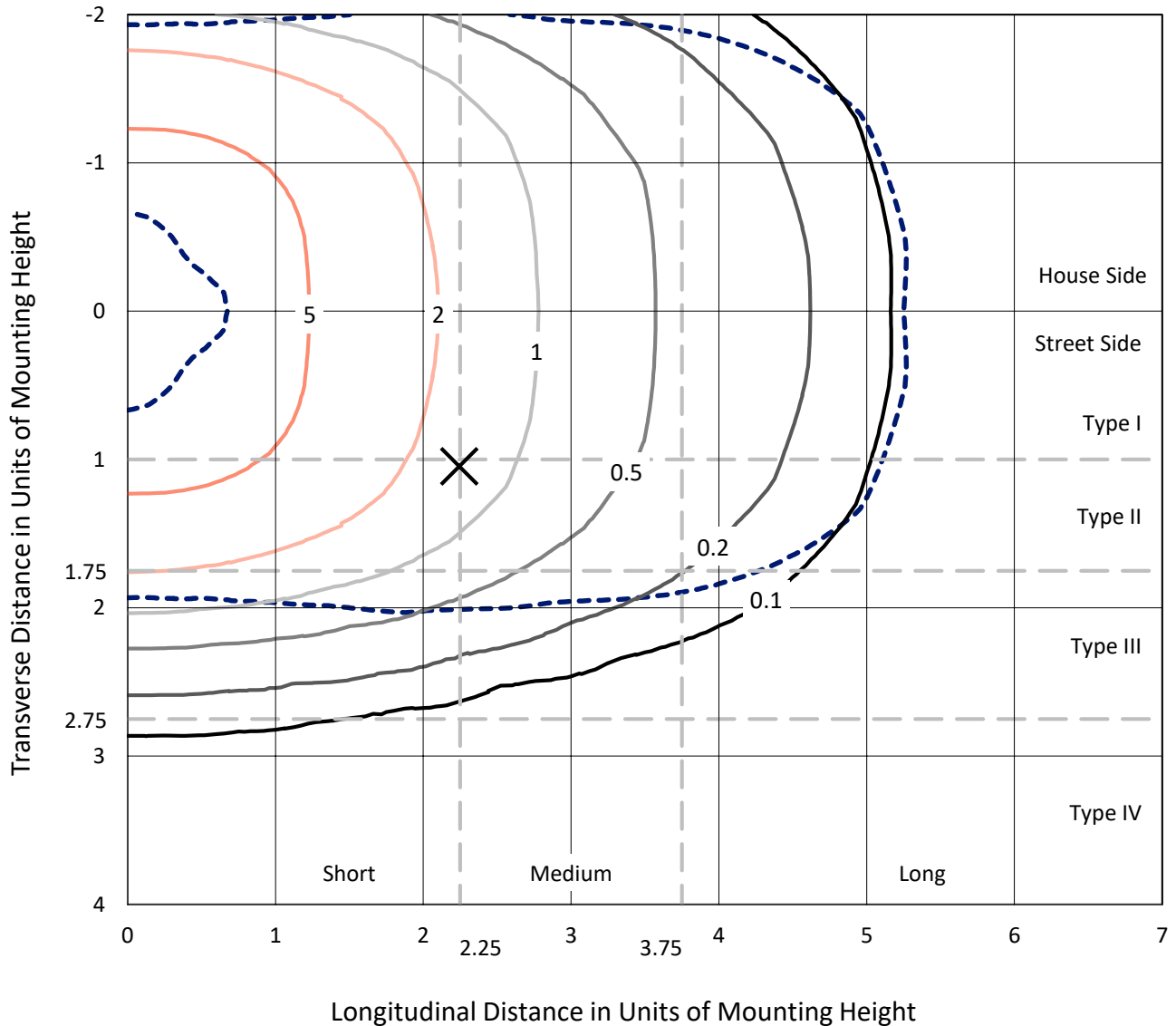
Input Watts (W): 558
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

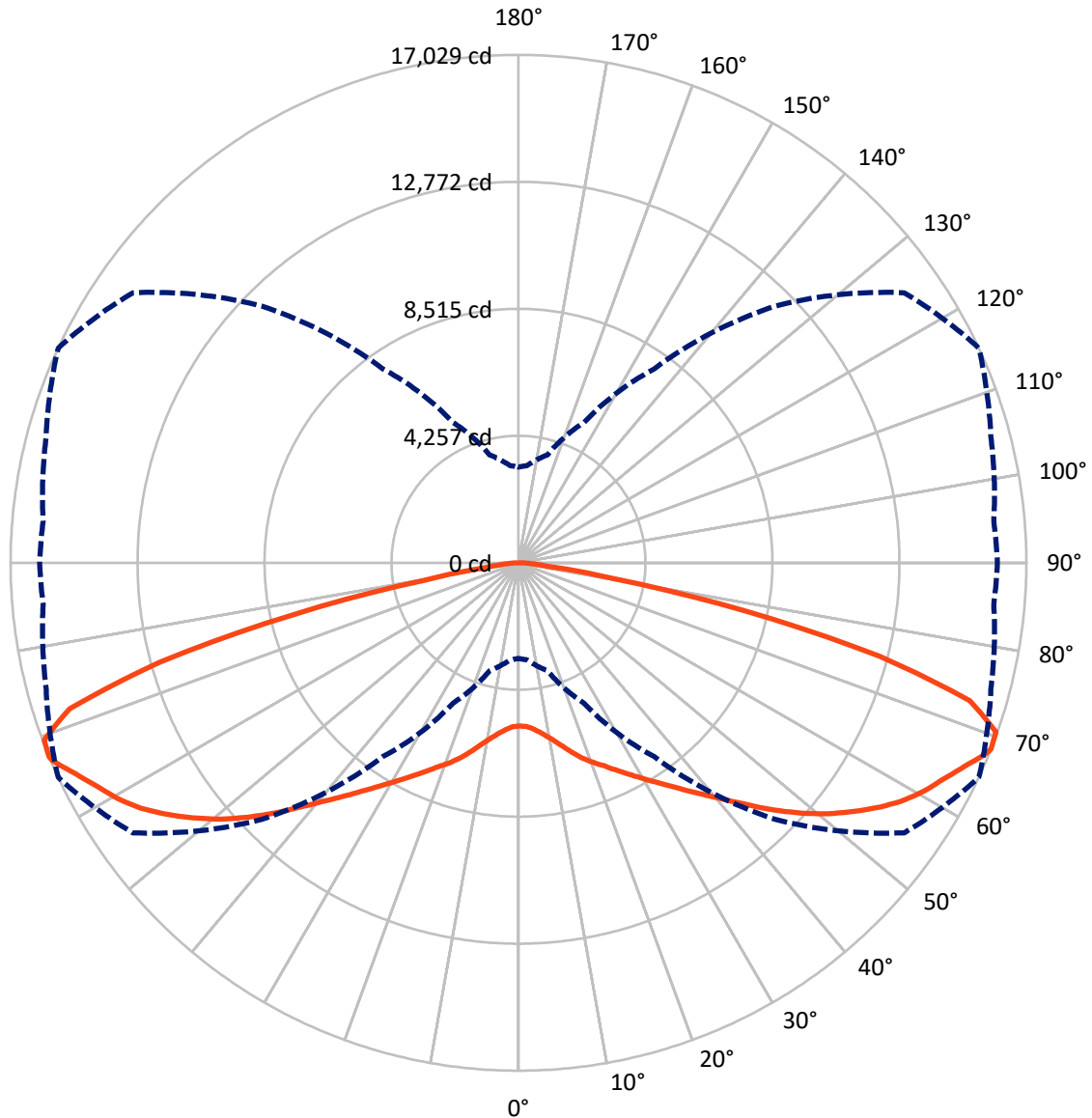
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 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
House Side	Lumens	26304.0	0.0	26304.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26304.0	0.0	26304.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	52608.0	0.0	52608.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	535.5	1.0
10°-20°	1793.2	3.4
20°-30°	3496.4	6.6
30°-40°	5873.6	11.2
40°-50°	9254.8	17.6
50°-60°	12376.7	23.5
60°-70°	12031.7	22.9
70°-80°	6577.1	12.5
80°-90°	668.9	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°	52608.0	100.0
0°-180°	52608.0	100.0

Coefficient of Utilization



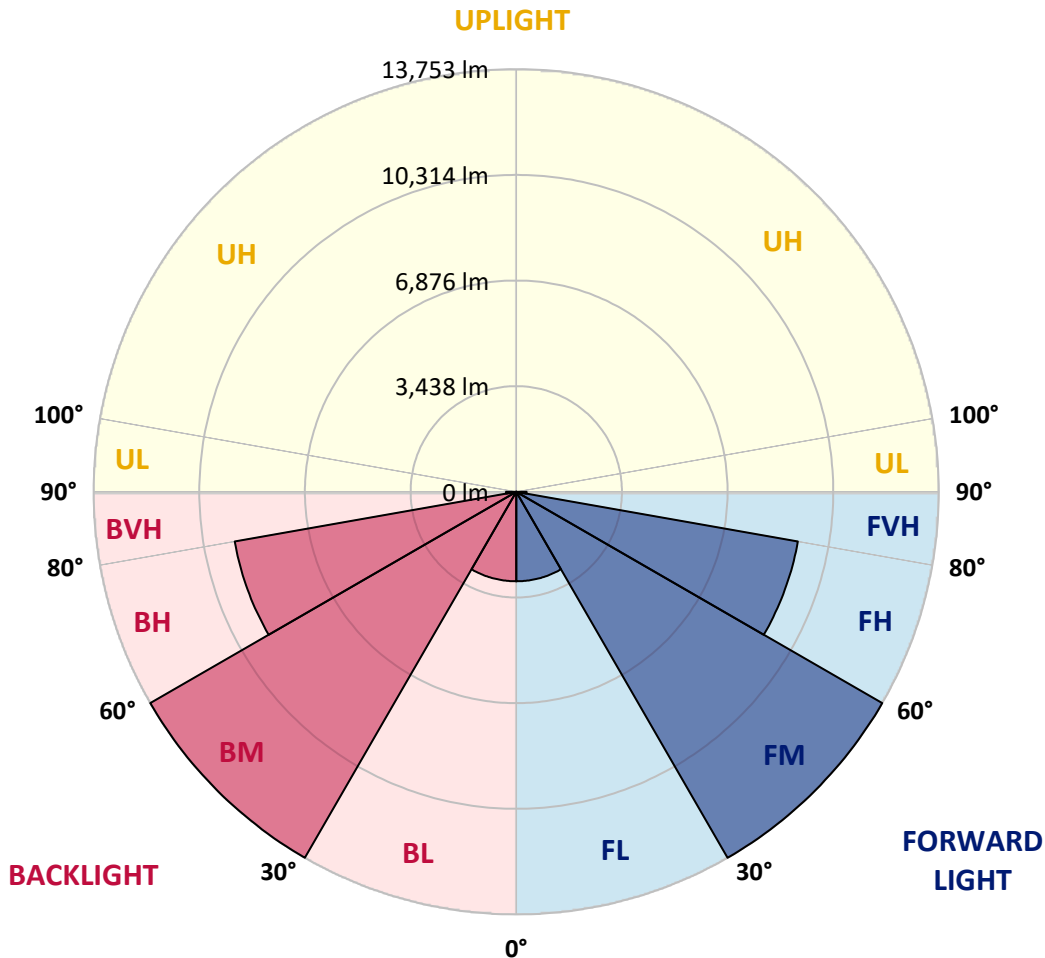
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2912.6	5.5			
FM (30°-60°)	13752.6	26.1			
FH (60°-80°)	9304.4	17.7			G4/12000
FVH (80°-90°)	334.5	0.6			G3/500
BL (0°-30°)	2912.6	5.5	B4/5000		
BM (30°-60°)	13752.6	26.1	B5		
BH (60°-80°)	9304.4	17.7	B5		G5
BVH (80°-90°)	334.5	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°	5470.0	5470.0	5470.0	5470.0	5470.0	5470.0	5470.0	5470.0	5470.0	5470.0	5470.0
2.5°	5431.2	5433.0	5441.8	5452.4	5461.2	5484.1	5489.4	5498.2	5501.7	5510.6	5510.6
5°	5383.6	5387.1	5408.3	5436.5	5468.2	5524.7	5565.2	5611.1	5634.0	5658.7	5657.0
7.5°	5378.3	5387.1	5417.1	5462.9	5515.9	5609.3	5694.0	5785.7	5847.5	5903.9	5900.4
10°	5433.0	5447.1	5489.4	5558.2	5637.6	5754.0	5879.2	6002.7	6110.3	6196.7	6200.3
12.5°	5515.9	5533.5	5600.5	5704.6	5824.5	5974.5	6122.7	6262.0	6410.2	6538.9	6549.5
15°	5625.2	5648.2	5748.7	5903.9	6087.4	6265.5	6424.3	6567.2	6738.3	6916.4	6934.1
17.5°	5787.5	5819.3	5951.6	6161.5	6403.1	6598.9	6764.7	6872.3	7015.2	7198.7	7232.2
20°	6034.5	6075.0	6242.6	6493.1	6787.7	6992.3	7119.3	7142.2	7212.8	7376.8	7415.6
22.5°	6355.5	6390.8	6577.8	6875.9	7205.7	7428.0	7495.0	7403.3	7396.2	7528.5	7565.6
25°	6713.6	6745.3	6962.3	7297.4	7652.0	7897.2	7895.4	7717.3	7593.8	7696.1	7734.9
27.5°	7115.8	7165.1	7373.3	7726.1	8105.3	8347.0	8332.9	8057.7	7823.1	7849.6	7883.1
30°	7577.9	7632.6	7835.4	8193.5	8572.8	8809.1	8791.5	8428.1	8075.3	8004.8	8029.5
32.5°	8151.2	8216.5	8408.7	8761.5	9096.7	9310.1	9258.9	8830.3	8378.7	8225.3	8248.2
35°	8840.9	8879.7	9082.6	9430.1	9701.7	9848.1	9740.5	9296.0	8763.3	8578.1	8578.1
37.5°	9539.4	9569.4	9797.0	10133.9	10396.7	10474.3	10264.4	9805.8	9266.0	9003.2	9008.5
40°	10209.7	10290.9	10546.6	10892.4	11151.7	11172.8	10894.1	10387.9	9825.2	9553.5	9585.3
42.5°	10910.0	10989.4	11294.5	11686.1	11915.4	11950.7	11624.4	11040.5	10456.7	10236.2	10271.5
45°	11534.4	11597.9	11950.7	12405.8	12691.6	12783.3	12397.0	11788.4	11139.3	10924.1	10932.9
47.5°	11970.1	12053.0	12441.1	12977.3	13393.6	13534.8	13155.5	12517.0	11811.4	11550.3	11573.2
50°	12365.3	12409.4	12802.7	13388.3	13917.5	14208.6	13884.0	13236.6	12490.5	12213.6	12238.3
52.5°	12585.7	12642.2	13023.2	13633.5	14259.7	14728.9	14531.4	13884.0	13146.7	12876.8	12906.8
55°	12432.3	12474.6	12931.5	13688.2	14471.4	15050.0	15080.0	14517.3	13790.5	13554.2	13638.8
57.5°	11733.8	11786.7	12344.1	13335.4	14497.9	15266.9	15492.7	15104.7	14392.0	14199.8	14249.1
60°	10641.9	10675.4	11269.8	12384.7	13982.8	15356.9	15755.6	15584.5	14981.2	14788.9	14855.9
62.5°	8696.2	8745.6	9456.5	10950.6	12894.4	15090.6	16009.6	15981.3	15529.8	15353.4	15413.4
65°	5944.5	6030.9	6817.6	8706.8	11216.9	14275.6	16240.6	16443.5	16014.9	15792.6	15872.0
67.5°	3589.6	3653.1	4222.9	5748.7	8583.4	12631.6	16002.5	16969.2	16357.1	15999.0	16064.2
68°	3208.6	3266.8	3743.1	5187.8	7939.5	12167.7	15785.5	17029.1	16394.1	15995.5	16053.7
70°	1938.6	1977.4	2296.7	3206.9	5293.6	9652.3	14305.6	16979.7	16630.5	16044.8	16078.4
72.5°	1263.0	1275.3	1328.3	1645.8	2704.1	5397.7	10737.1	15822.6	16985.0	16332.4	16327.1
75°	1049.5	1042.5	1047.8	1084.8	1333.5	2367.2	6274.4	12499.3	16191.3	15879.0	15767.9
77.5°	887.3	882.0	880.2	882.0	892.6	1143.0	2723.5	7786.1	12390.0	14046.3	14145.1
80°	717.9	710.9	733.8	723.2	691.5	710.9	1141.3	3238.6	5840.4	6283.2	5888.0
82.5°	522.1	495.7	594.4	566.2	539.8	501.0	629.7	1046.0	1393.5	956.1	672.1
85°	402.2	374.0	451.6	433.9	370.4	255.8	374.0	511.5	564.5	322.8	254.0
87.5°	164.0	172.9	326.3	257.5	217.0	123.5	153.5	204.6	275.2	137.6	105.8
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)