

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: P382738

Luminaire Tested: **GLEON-SA1B-735-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382738
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-SA1B-735-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5854.8 lumens
Efficiency: N/A
Efficacy: 133.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

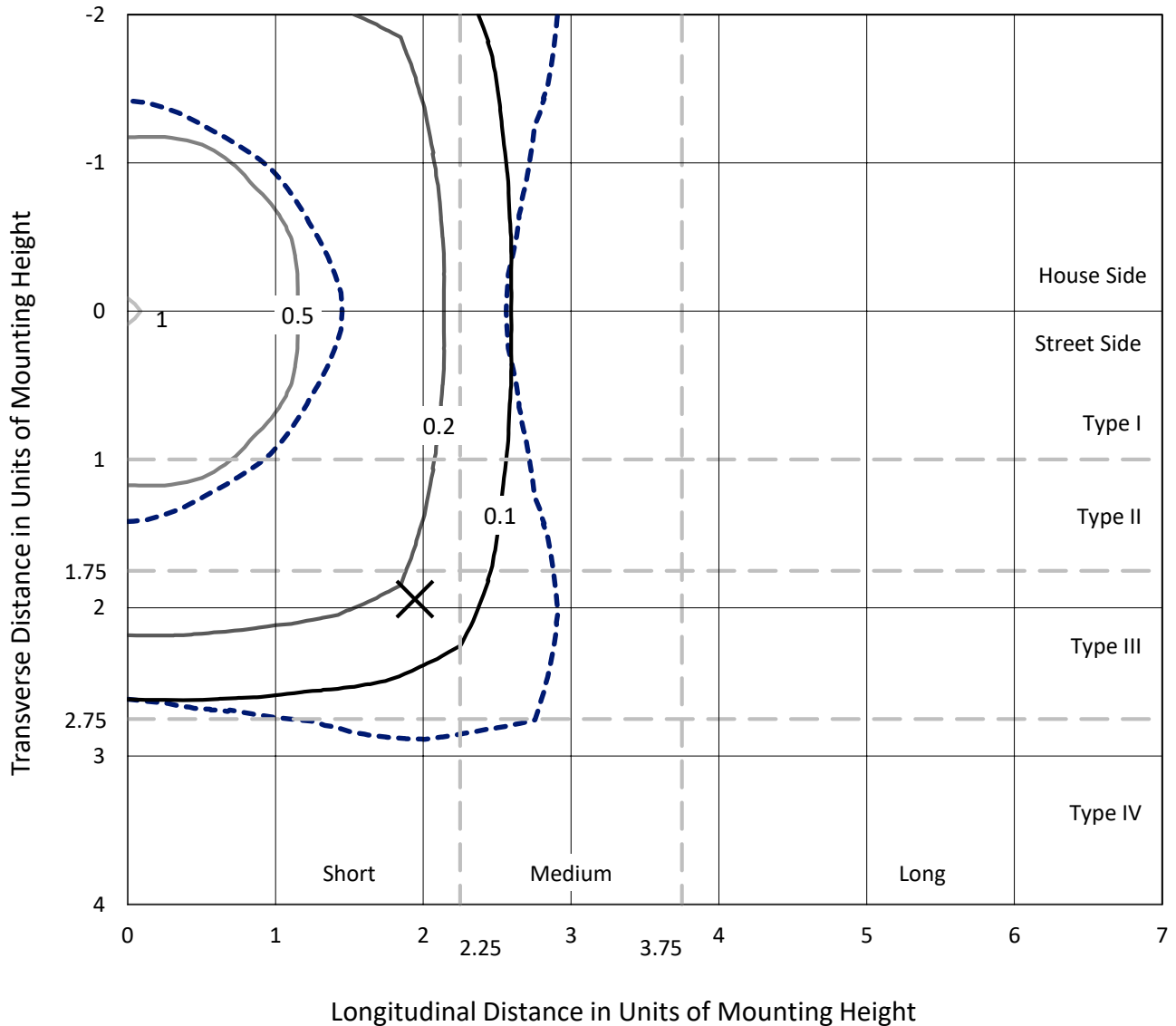
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

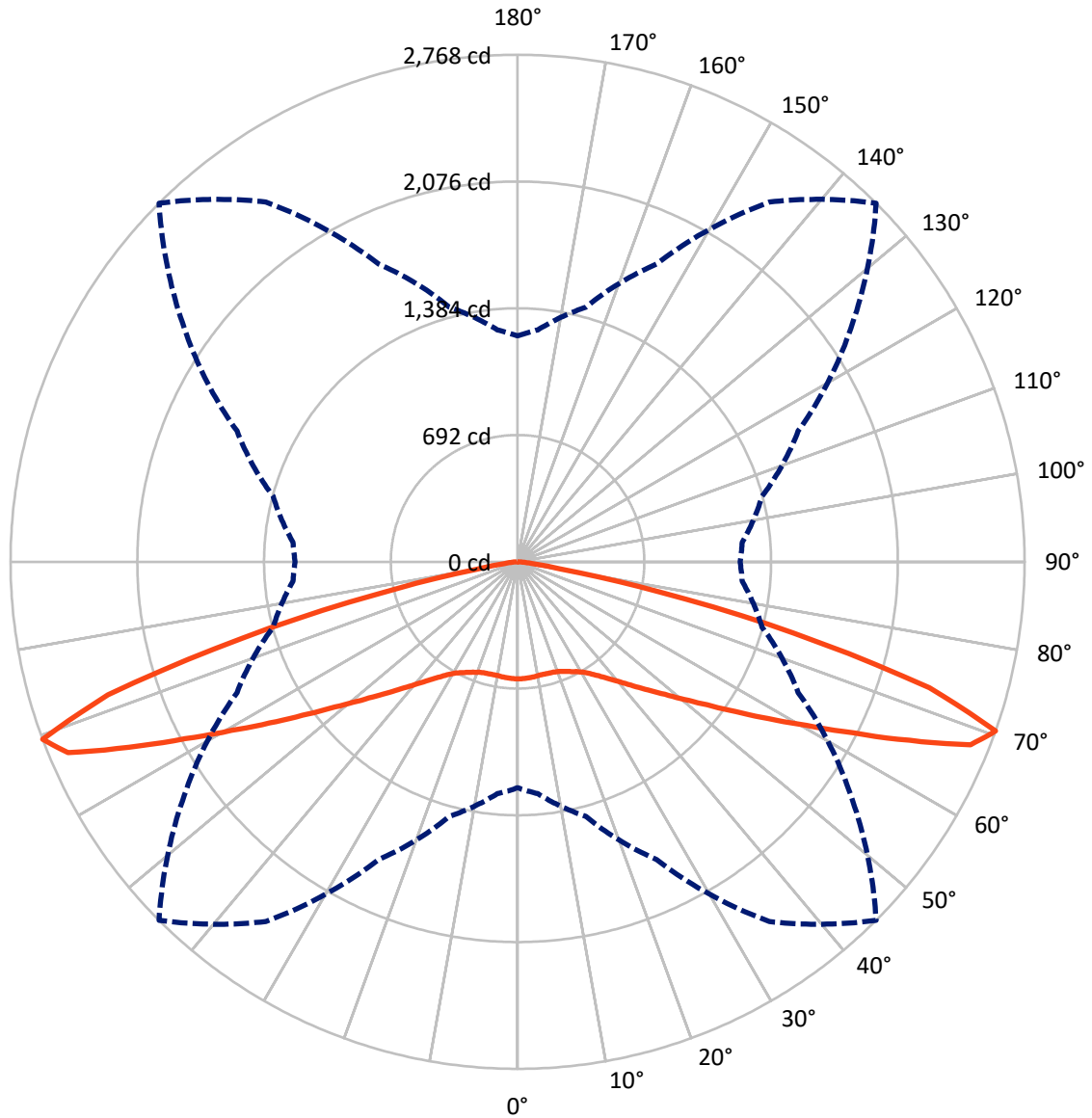
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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
House Side	Lumens	2927.4	0.0	2927.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2927.4	0.0	2927.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	5854.8	0.0	5854.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.6	1.0
10°-20°	177.8	3.0
20°-30°	302.7	5.2
30°-40°	480.0	8.2
40°-50°	781.1	13.3
50°-60°	1287.9	22.0
60°-70°	1890.7	32.3
70°-80°	836.1	14.3
80°-90°	37.9	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°	5854.8	100.0
0°-180°	5854.8	100.0

Coefficient of Utilization



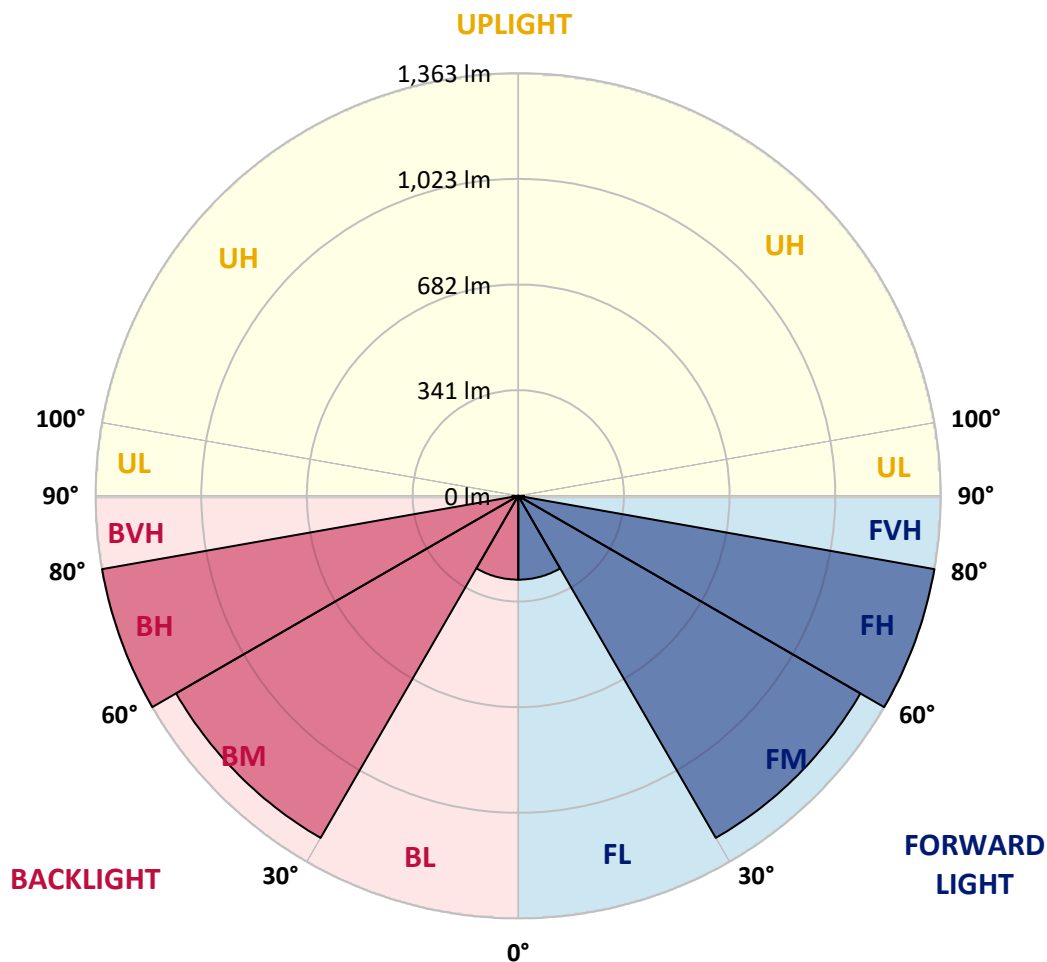
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	270.5	4.6			
FM (30°-60°)	1274.5	21.8			
FH (60°-80°)	1363.4	23.3			G1/1800
FVH (80°-90°)	18.9	0.3			G1/100
BL (0°-30°)	270.5	4.6	B1/500		
BM (30°-60°)	1274.5	21.8	B2/2500		
BH (60°-80°)	1363.4	23.3	B3/2500		G1/1800
BVH (80°-90°)	18.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	639.4	639.4	639.4	639.4	639.4	639.4	639.4	639.4	639.4	639.4	639.4
2.5°	638.5	637.9	639.2	639.0	637.9	638.1	638.1	638.7	638.7	638.3	638.3
5°	636.2	635.8	637.3	637.3	636.2	636.5	636.9	637.5	637.3	636.9	636.7
7.5°	633.3	633.1	634.6	634.6	633.8	634.2	633.8	634.0	633.6	633.3	632.6
10°	628.4	628.8	630.1	630.6	630.6	630.8	630.3	629.4	628.8	628.2	627.6
12.5°	624.0	623.8	625.7	626.7	628.2	629.9	628.8	626.1	624.9	623.8	623.4
15°	621.1	621.2	623.1	624.9	627.6	631.3	629.9	625.7	623.4	622.0	621.6
17.5°	620.4	620.9	623.4	626.5	629.4	633.5	632.6	628.4	624.5	622.0	621.4
20°	621.8	622.0	625.9	630.3	635.4	639.2	637.5	632.8	627.6	623.8	622.7
22.5°	624.3	625.1	629.9	636.9	644.6	649.9	647.8	639.8	631.7	626.8	625.4
25°	632.2	632.4	639.0	648.5	657.9	663.8	661.3	650.1	639.6	634.2	632.4
27.5°	648.7	649.3	655.9	667.0	674.9	678.7	677.2	668.1	659.2	653.4	653.9
30°	672.6	673.3	680.7	692.9	697.7	698.8	698.4	694.1	685.9	678.2	678.7
32.5°	701.6	702.0	711.9	723.0	726.8	727.6	726.8	723.0	713.3	702.8	703.4
35°	739.0	740.2	749.7	760.3	763.4	765.0	763.7	758.6	748.5	738.3	737.9
37.5°	785.1	785.3	795.3	806.3	810.2	810.5	809.0	805.7	793.1	783.8	783.2
40°	838.6	839.4	851.1	862.9	864.4	862.6	864.8	862.9	849.9	839.2	840.9
42.5°	903.7	905.5	919.4	931.1	926.6	925.6	927.0	927.5	917.1	904.2	902.9
45°	979.5	981.0	998.5	1007.7	1004.9	998.5	1001.2	1005.9	991.4	975.2	976.8
47.5°	1065.9	1069.8	1088.4	1097.1	1089.9	1081.2	1086.5	1093.5	1076.4	1056.4	1055.4
50°	1162.0	1166.9	1191.6	1203.8	1196.7	1180.6	1189.3	1194.0	1169.4	1143.7	1141.5
52.5°	1264.5	1269.3	1300.5	1325.8	1321.1	1296.2	1308.4	1303.5	1275.2	1240.5	1237.7
55°	1380.6	1382.5	1416.2	1456.9	1461.6	1443.2	1442.4	1434.5	1392.6	1352.5	1350.6
57.5°	1500.0	1501.3	1544.9	1592.9	1614.8	1614.8	1593.1	1576.3	1520.7	1474.2	1469.3
60°	1628.8	1633.7	1681.9	1747.2	1798.4	1813.4	1775.1	1729.1	1668.7	1611.9	1606.4
62.5°	1743.5	1749.2	1822.9	1920.2	2002.4	2057.4	1963.6	1888.8	1778.8	1687.7	1677.1
65°	1758.0	1773.2	1880.7	2056.9	2240.7	2350.6	2170.8	1986.5	1786.0	1659.5	1648.6
67.5°	1605.5	1631.1	1776.5	2050.6	2430.6	2666.5	2303.2	1930.7	1657.3	1517.4	1505.4
70°	1233.7	1270.9	1438.5	1793.7	2397.9	2768.2	2220.2	1690.2	1381.8	1231.2	1214.4
72.5°	676.9	692.1	842.9	1228.3	1922.3	2352.3	1851.8	1249.8	916.4	745.6	717.3
75°	214.7	220.1	296.9	502.7	1087.4	1558.1	1176.4	613.4	337.8	249.0	246.1
77.5°	95.3	95.9	107.3	146.7	374.6	789.4	449.9	167.0	115.1	100.6	103.9
80°	60.3	60.3	66.4	72.7	101.9	229.3	121.7	79.5	67.8	63.0	64.4
82.5°	28.9	32.0	43.2	46.5	56.0	77.1	62.4	51.9	45.4	33.7	31.4
85°	19.0	15.9	27.3	30.8	32.5	37.0	36.2	34.3	29.6	16.9	18.8
87.5°	8.6	8.1	14.2	12.9	12.2	9.3	14.0	17.2	16.7	8.3	8.3
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)