

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: P317245

Luminaire Tested: **GLEON-SA1C-827-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317245
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-SA1C-827-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5565 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

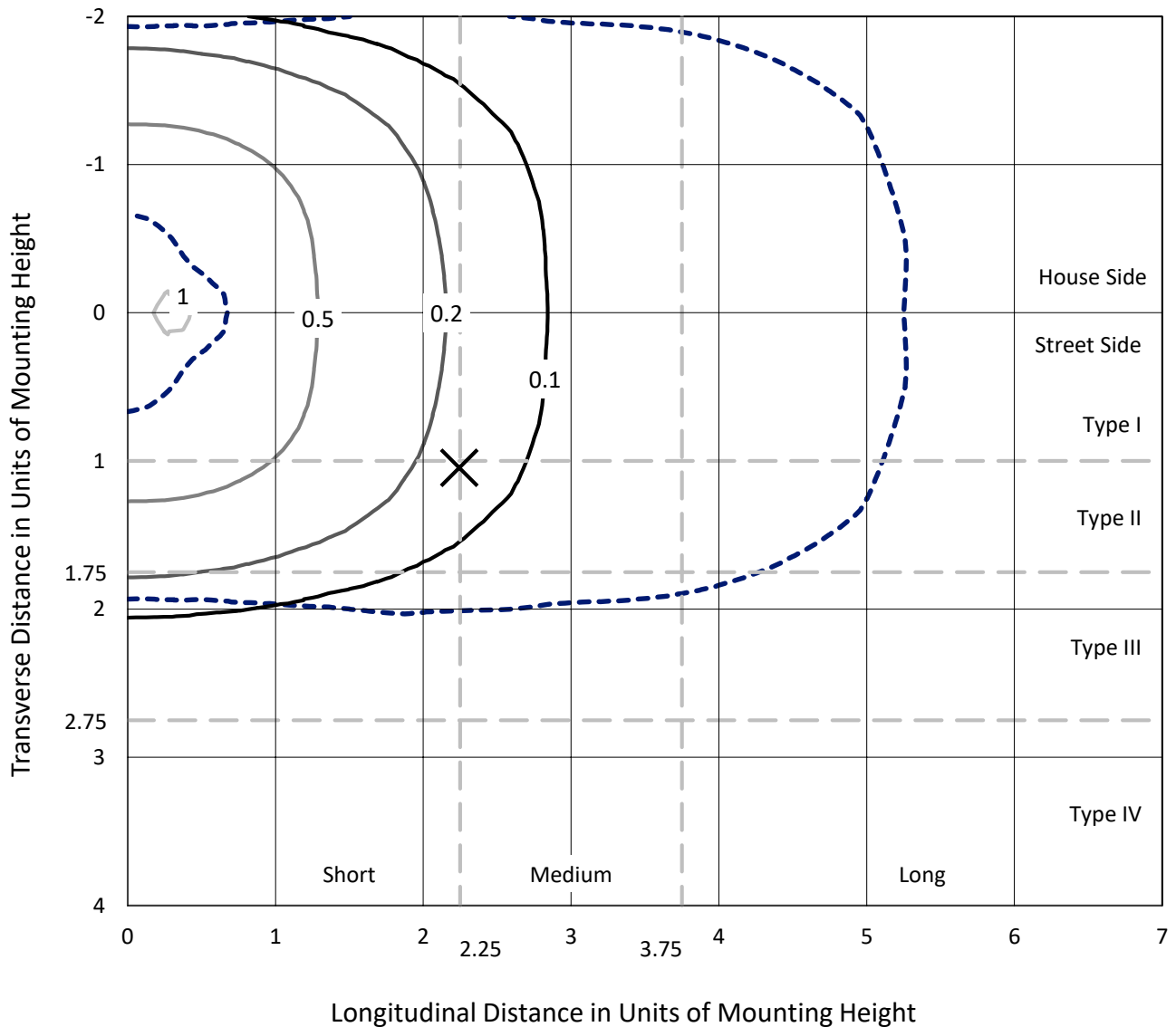
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

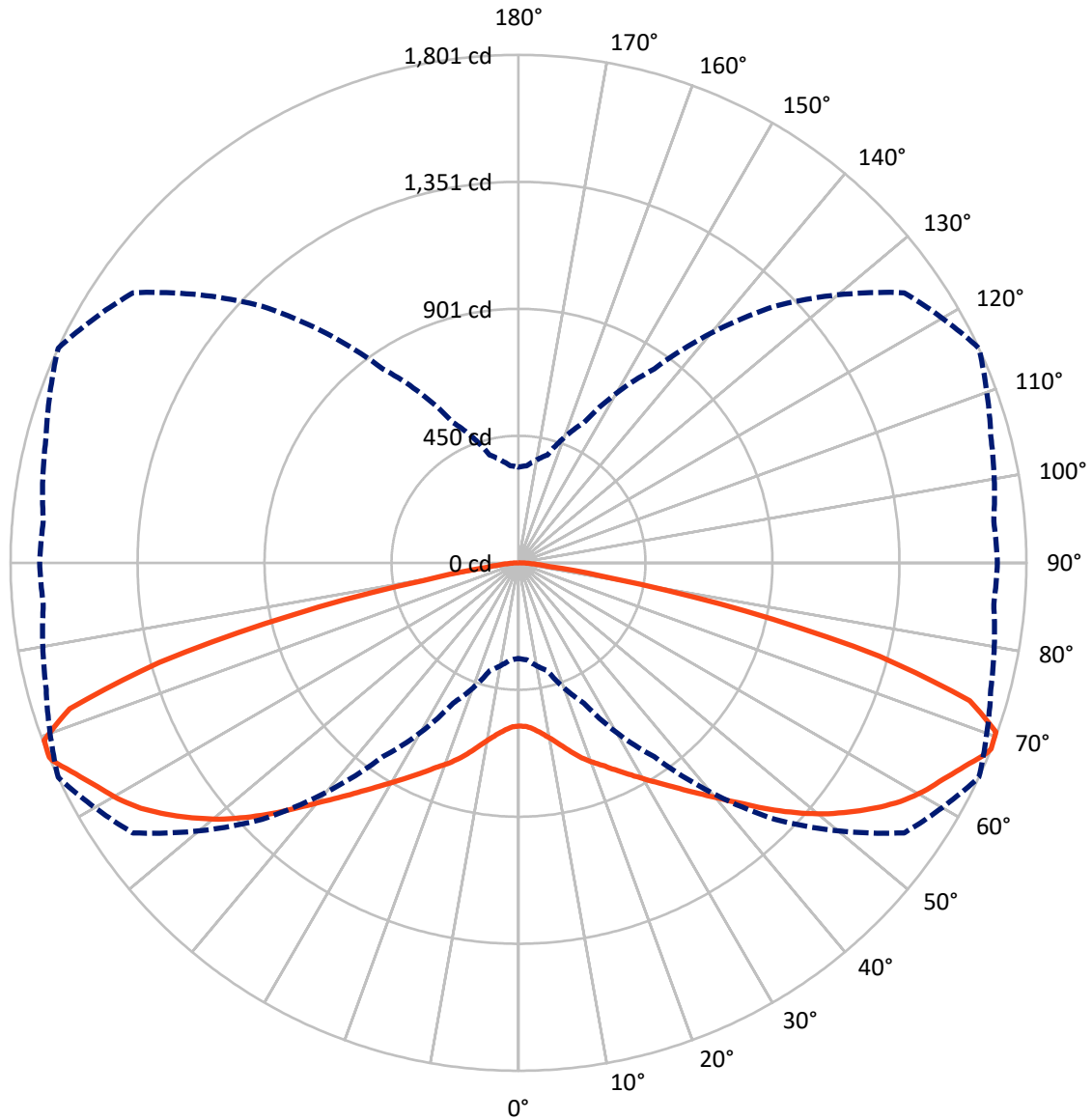
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type 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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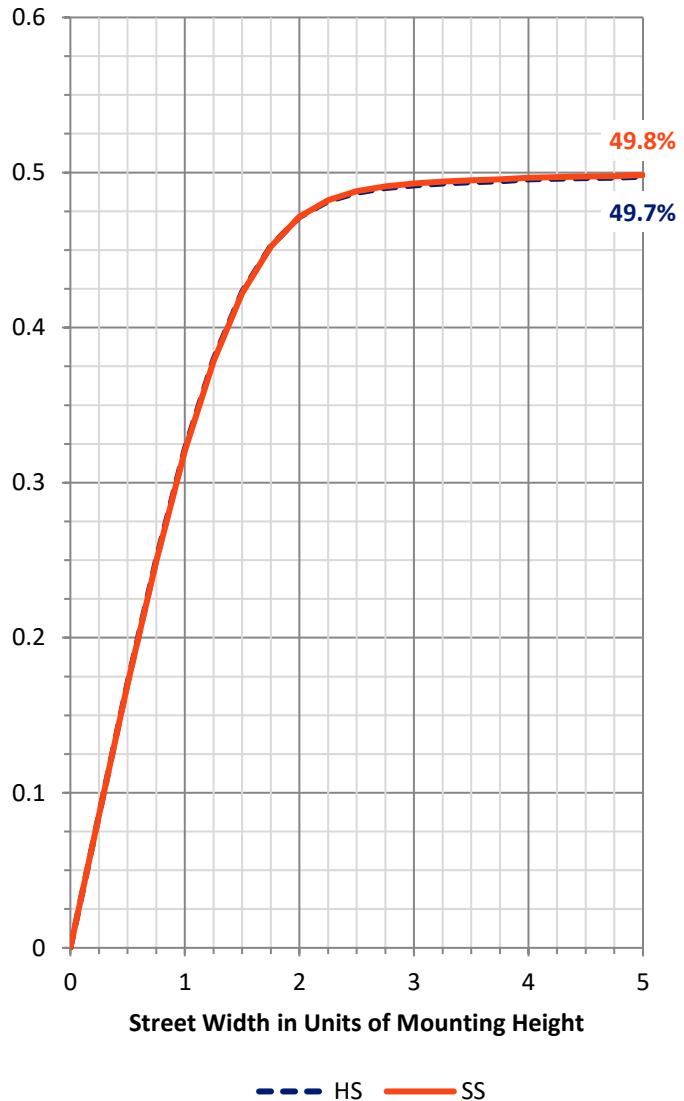
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2782.5	0.0	2782.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2782.5	0.0	2782.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5565.0	0.0	5565.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.7	1.0
10°-20°	189.7	3.4
20°-30°	369.9	6.6
30°-40°	621.3	11.2
40°-50°	979.0	17.6
50°-60°	1309.2	23.5
60°-70°	1272.7	22.9
70°-80°	695.7	12.5
80°-90°	70.8	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°	5565.0	100.0
0°-180°	5565.0	100.0

Coefficient of Utilization



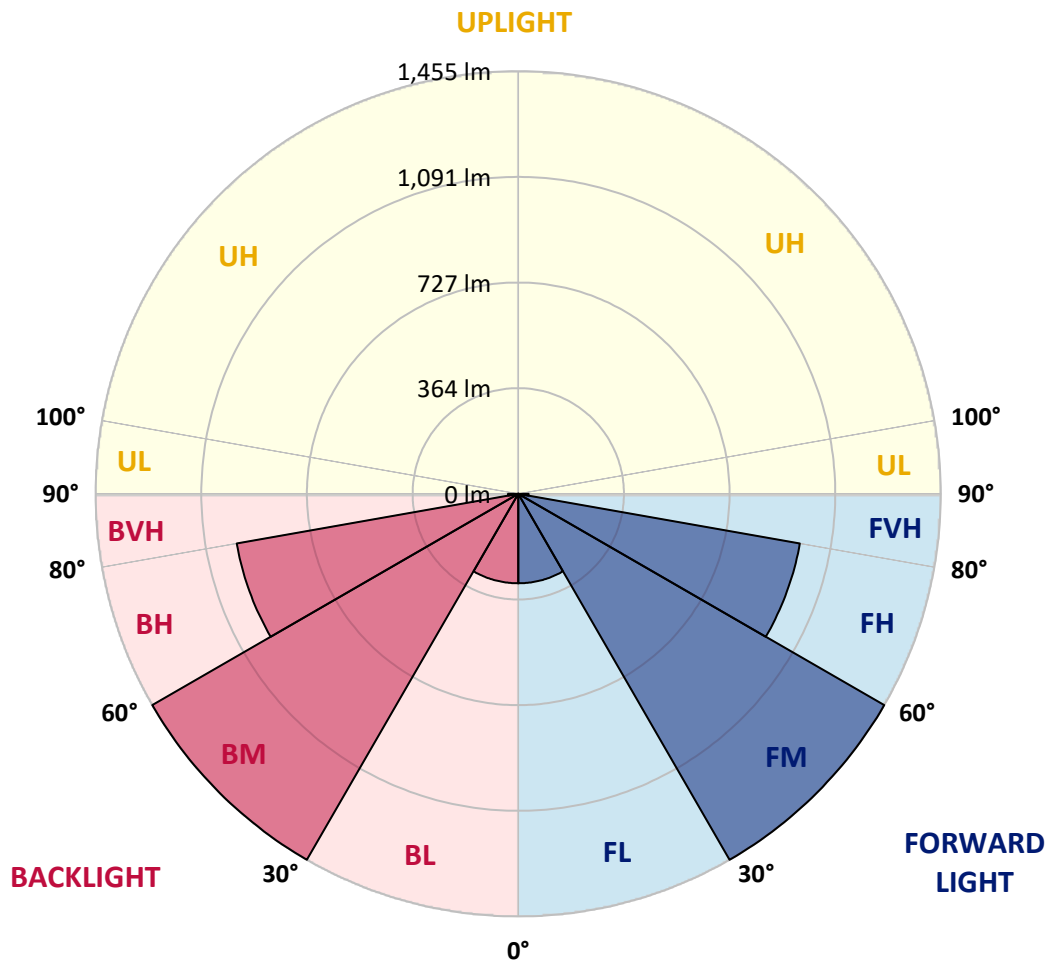
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	308.1	5.5			
FM (30°-60°)	1454.8	26.1			
FH (60°-80°)	984.2	17.7			G1/1800
FVH (80°-90°)	35.4	0.6			G1/100
BL (0°-30°)	308.1	5.5	B1/500		
BM (30°-60°)	1454.8	26.1	B2/2500		
BH (60°-80°)	984.2	17.7	B2/1000		G2/1000
BVH (80°-90°)	35.4	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	578.6	578.6	578.6	578.6	578.6	578.6	578.6	578.6	578.6	578.6	578.6
2.5°	574.5	574.7	575.6	576.8	577.7	580.1	580.7	581.6	582.0	582.9	582.9
5°	569.5	569.9	572.1	575.1	578.4	584.4	588.7	593.6	596.0	598.6	598.4
7.5°	568.9	569.9	573.0	577.9	583.5	593.4	602.3	612.0	618.6	624.5	624.2
10°	574.7	576.2	580.7	588.0	596.4	608.7	621.9	635.0	646.4	655.5	655.9
12.5°	583.5	585.3	592.4	603.4	616.1	632.0	647.7	662.4	678.1	691.7	692.8
15°	595.0	597.5	608.1	624.5	643.9	662.8	679.6	694.7	712.8	731.6	733.5
17.5°	612.2	615.6	629.6	651.8	677.3	698.0	715.6	727.0	742.1	761.5	765.0
20°	638.3	642.6	660.4	686.9	718.0	739.7	753.1	755.5	763.0	780.3	784.4
22.5°	672.3	676.0	695.8	727.3	762.2	785.7	792.8	783.1	782.4	796.4	800.3
25°	710.2	713.5	736.5	771.9	809.4	835.4	835.2	816.4	803.3	814.1	818.2
27.5°	752.7	757.9	780.0	817.3	857.4	883.0	881.5	852.4	827.5	830.3	833.9
30°	801.6	807.4	828.9	866.7	906.8	931.9	930.0	891.5	854.2	846.8	849.4
32.5°	862.3	869.2	889.5	926.8	962.3	984.8	979.4	934.1	886.3	870.1	872.5
35°	935.2	939.3	960.8	997.5	1026.3	1041.8	1030.4	983.4	927.0	907.4	907.4
37.5°	1009.1	1012.3	1036.3	1072.0	1099.8	1108.0	1085.8	1037.3	980.2	952.4	952.9
40°	1080.0	1088.6	1115.6	1152.2	1179.6	1181.9	1152.4	1098.9	1039.3	1010.6	1014.0
42.5°	1154.1	1162.5	1194.8	1236.2	1260.4	1264.2	1229.7	1167.9	1106.1	1082.8	1086.5
45°	1220.1	1226.9	1264.2	1312.3	1342.5	1352.2	1311.4	1247.0	1178.3	1155.6	1156.5
47.5°	1266.2	1275.0	1316.0	1372.8	1416.8	1431.7	1391.6	1324.1	1249.4	1221.8	1224.2
50°	1308.0	1312.7	1354.3	1416.3	1472.2	1503.0	1468.7	1400.2	1321.3	1292.0	1294.6
52.5°	1331.4	1337.3	1377.6	1442.2	1508.4	1558.1	1537.2	1468.7	1390.7	1362.1	1365.3
55°	1315.1	1319.6	1367.9	1448.0	1530.8	1592.0	1595.2	1535.7	1458.8	1433.8	1442.7
57.5°	1241.2	1246.8	1305.8	1410.7	1533.6	1615.0	1638.9	1597.8	1522.4	1502.1	1507.3
60°	1125.7	1129.3	1192.2	1310.1	1479.1	1624.5	1666.7	1648.6	1584.7	1564.4	1571.5
62.5°	919.9	925.1	1000.3	1158.4	1364.0	1596.3	1693.5	1690.5	1642.8	1624.1	1630.5
65°	628.8	638.0	721.2	921.0	1186.6	1510.1	1718.0	1739.4	1694.1	1670.6	1679.0
67.5°	379.7	386.4	446.7	608.1	908.0	1336.2	1692.8	1795.0	1730.3	1692.4	1699.3
68°	339.4	345.6	396.0	548.8	839.9	1287.1	1669.8	1801.4	1734.2	1692.0	1698.2
70°	205.1	209.2	242.9	339.2	560.0	1021.0	1513.3	1796.2	1759.2	1697.3	1700.8
72.5°	133.6	134.9	140.5	174.1	286.0	571.0	1135.8	1673.8	1796.7	1727.7	1727.1
75°	111.0	110.3	110.8	114.8	141.1	250.4	663.7	1322.2	1712.7	1679.7	1668.0
77.5°	93.9	93.3	93.1	93.3	94.4	120.9	288.1	823.6	1310.6	1485.9	1496.3
80°	75.9	75.2	77.6	76.5	73.1	75.2	120.7	342.6	617.8	664.6	622.9
82.5°	55.2	52.4	62.9	59.9	57.1	53.0	66.6	110.7	147.4	101.1	71.1
85°	42.5	39.6	47.8	45.9	39.2	27.1	39.6	54.1	59.7	34.1	26.9
87.5°	17.4	18.3	34.5	27.2	23.0	13.1	16.2	21.6	29.1	14.6	11.2
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)