

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: P317235

Luminaire Tested: **GLEON-SA1B-827-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317235
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-SA1B-827-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4496 lumens
Efficiency: N/A
Efficacy: 102.2 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): 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

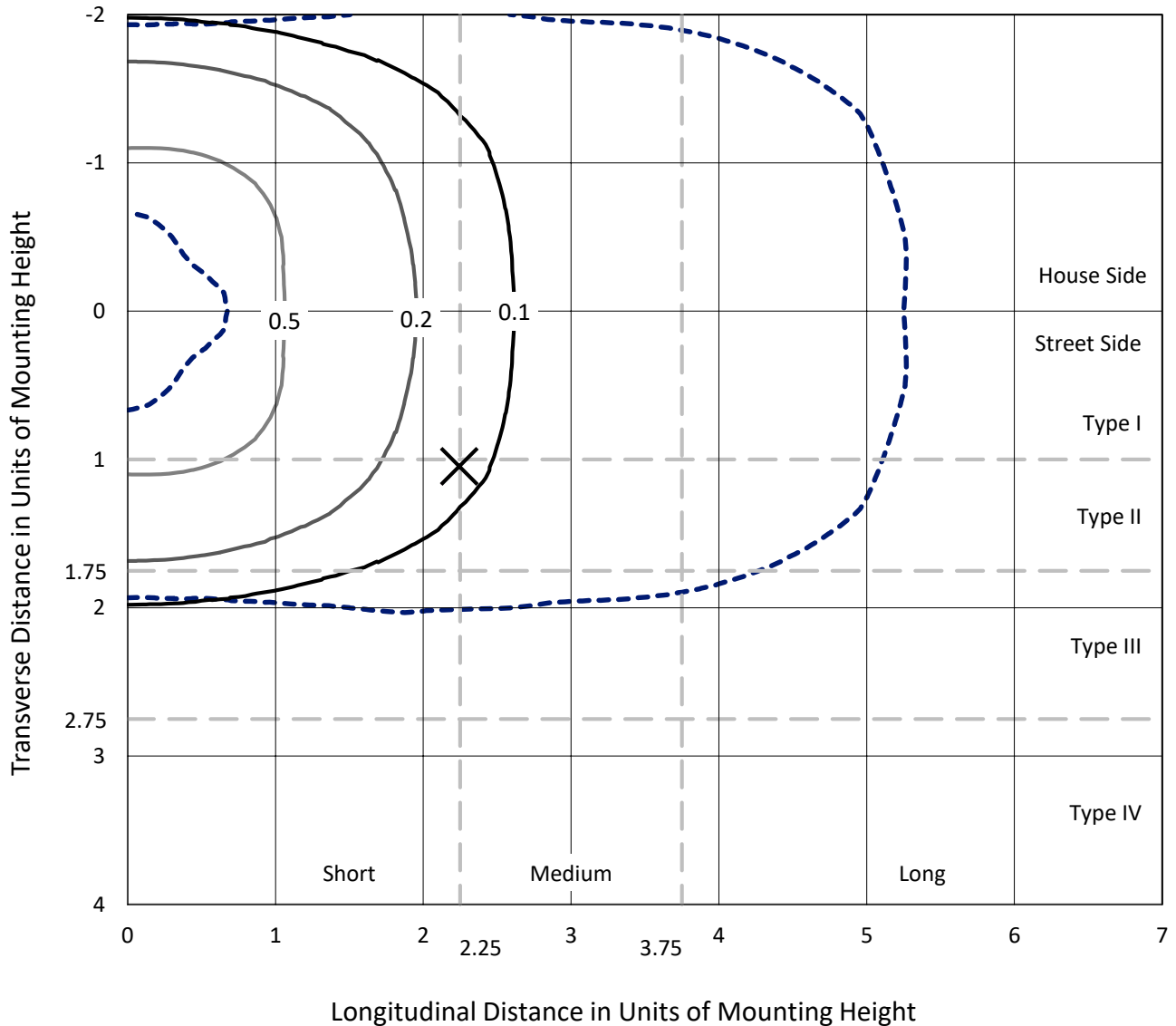




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Iso-Footcandle Lines of Horizontal Illumination

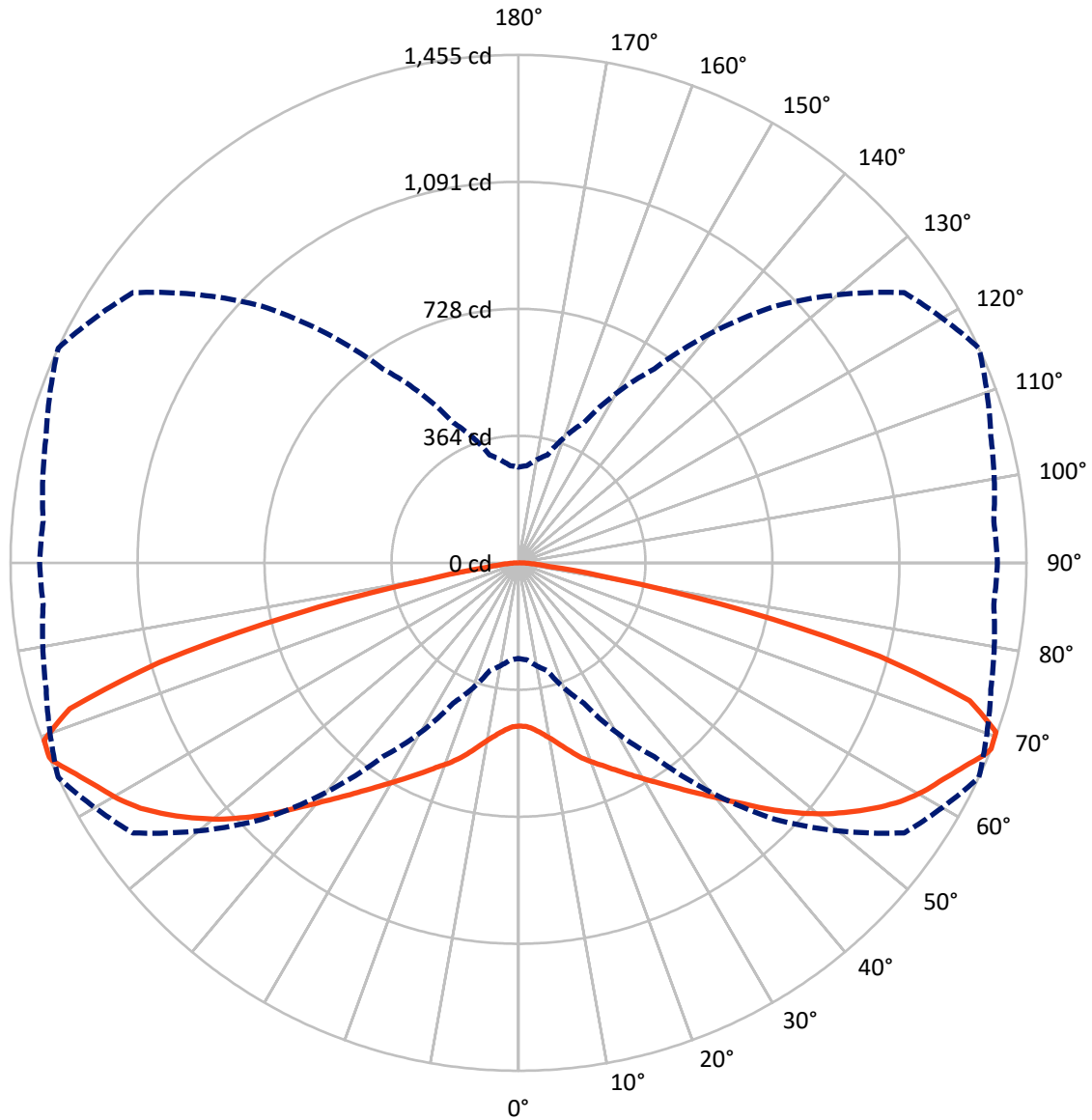
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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
House Side	Lumens	2248.0	0.0	2248.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2248.0	0.0	2248.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4496.0	0.0	4496.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.8	1.0
10°-20°	153.3	3.4
20°-30°	298.8	6.6
30°-40°	502.0	11.2
40°-50°	790.9	17.6
50°-60°	1057.7	23.5
60°-70°	1028.3	22.9
70°-80°	562.1	12.5
80°-90°	57.2	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°	4496.0	100.0
0°-180°	4496.0	100.0

Coefficient of Utilization



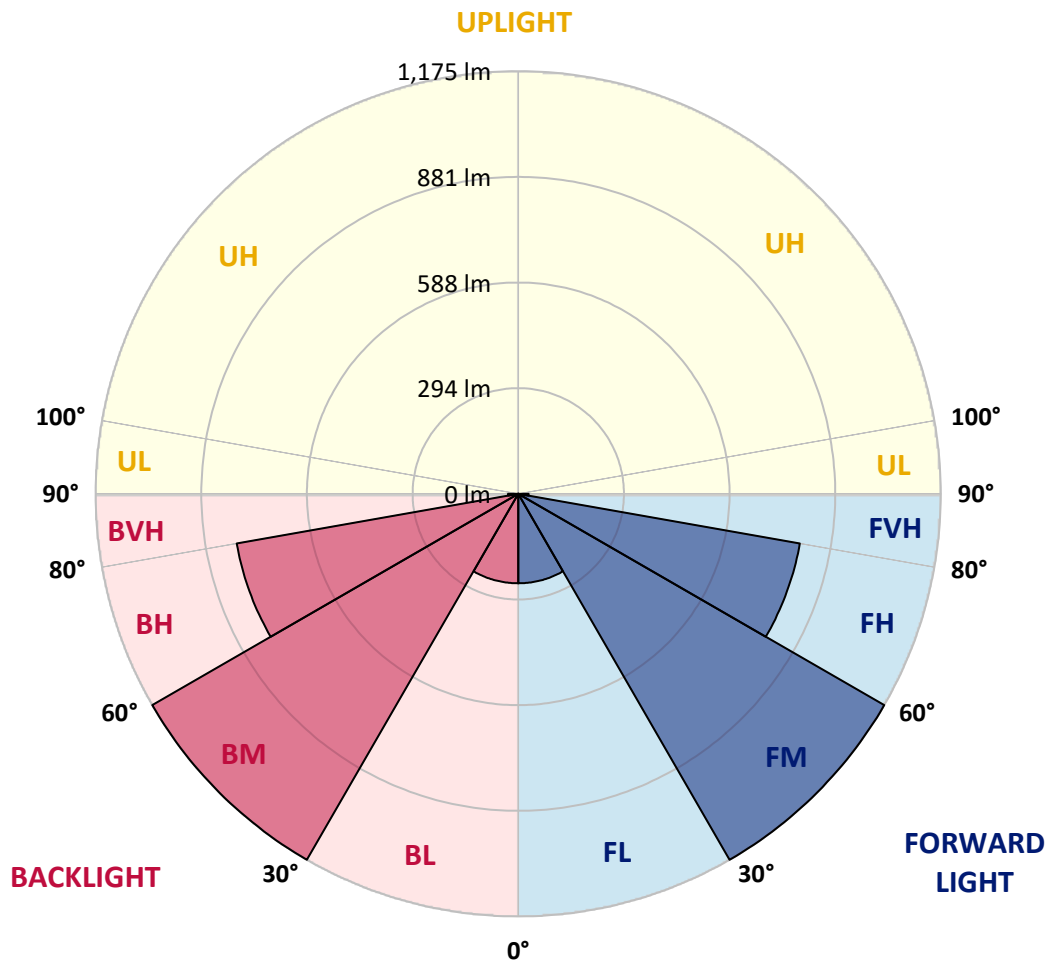
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	248.9	5.5			
FM (30°-60°)	1175.3	26.1			
FH (60°-80°)	795.2	17.7			G1/1800
FVH (80°-90°)	28.6	0.6			G1/100
BL (0°-30°)	248.9	5.5	B1/500		
BM (30°-60°)	1175.3	26.1	B2/2500		
BH (60°-80°)	795.2	17.7	B2/1000		G2/1000
BVH (80°-90°)	28.6	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°	467.5	467.5	467.5	467.5	467.5	467.5	467.5	467.5	467.5	467.5	467.5
2.5°	464.2	464.3	465.1	466.0	466.7	468.7	469.1	469.9	470.2	470.9	470.9
5°	460.1	460.4	462.2	464.6	467.3	472.2	475.6	479.5	481.5	483.6	483.5
7.5°	459.6	460.4	463.0	466.9	471.4	479.4	486.6	494.5	499.7	504.6	504.3
10°	464.3	465.5	469.1	475.0	481.8	491.7	502.5	513.0	522.2	529.6	529.9
12.5°	471.4	472.9	478.6	487.5	497.8	510.6	523.3	535.2	547.8	558.8	559.7
15°	480.7	482.7	491.3	504.6	520.2	535.5	549.0	561.2	575.9	591.1	592.6
17.5°	494.6	497.3	508.6	526.6	547.2	564.0	578.1	587.3	599.5	615.2	618.1
20°	515.7	519.2	533.5	554.9	580.1	597.6	608.4	610.4	616.4	630.4	633.8
22.5°	543.2	546.2	562.1	587.6	615.8	634.8	640.5	632.7	632.1	643.4	646.6
25°	573.8	576.5	595.0	623.7	654.0	674.9	674.8	659.5	649.0	657.7	661.0
27.5°	608.1	612.3	630.1	660.3	692.7	713.4	712.1	688.6	668.6	670.8	673.7
30°	647.6	652.3	669.6	700.2	732.6	752.8	751.3	720.3	690.1	684.1	686.2
32.5°	696.6	702.2	718.6	748.8	777.4	795.7	791.3	754.7	716.1	703.0	704.9
35°	755.6	758.9	776.2	805.9	829.1	841.6	832.4	794.5	748.9	733.1	733.1
37.5°	815.3	817.8	837.3	866.1	888.5	895.2	877.2	838.0	791.9	769.4	769.9
40°	872.5	879.5	901.3	930.9	953.0	954.9	931.0	887.8	839.7	816.5	819.2
42.5°	932.4	939.2	965.3	998.7	1018.3	1021.3	993.4	943.5	893.7	874.8	877.8
45°	985.8	991.2	1021.3	1060.2	1084.7	1092.5	1059.5	1007.5	952.0	933.6	934.4
47.5°	1023.0	1030.1	1063.2	1109.1	1144.7	1156.7	1124.3	1069.7	1009.4	987.1	989.1
50°	1056.8	1060.5	1094.1	1144.2	1189.4	1214.3	1186.6	1131.2	1067.5	1043.8	1045.9
52.5°	1075.6	1080.4	1113.0	1165.2	1218.7	1258.8	1241.9	1186.6	1123.5	1100.5	1103.0
55°	1062.5	1066.1	1105.2	1169.8	1236.8	1286.2	1288.8	1240.7	1178.6	1158.4	1165.6
57.5°	1002.8	1007.3	1055.0	1139.7	1239.0	1304.7	1324.0	1290.9	1230.0	1213.5	1217.8
60°	909.5	912.3	963.1	1058.4	1195.0	1312.4	1346.5	1331.9	1280.3	1263.9	1269.6
62.5°	743.2	747.4	808.2	935.9	1102.0	1289.7	1368.2	1365.8	1327.2	1312.1	1317.3
65°	508.0	515.4	582.7	744.1	958.6	1220.0	1388.0	1405.3	1368.7	1349.7	1356.5
67.5°	306.8	312.2	360.9	491.3	733.6	1079.5	1367.6	1450.2	1397.9	1367.3	1372.9
68°	274.2	279.2	319.9	443.4	678.5	1039.9	1349.1	1455.3	1401.1	1367.0	1372.0
70°	165.7	169.0	196.3	274.1	452.4	824.9	1222.6	1451.1	1421.3	1371.2	1374.1
72.5°	107.9	109.0	113.5	140.7	231.1	461.3	917.6	1352.2	1451.6	1395.8	1395.3
75°	89.7	89.1	89.5	92.7	114.0	202.3	536.2	1068.2	1383.7	1357.1	1347.6
77.5°	75.8	75.4	75.2	75.4	76.3	97.7	232.8	665.4	1058.9	1200.4	1208.9
80°	61.4	60.8	62.7	61.8	59.1	60.8	97.5	276.8	499.1	537.0	503.2
82.5°	44.6	42.4	50.8	48.4	46.1	42.8	53.8	89.4	119.1	81.7	57.4
85°	34.4	32.0	38.6	37.1	31.7	21.9	32.0	43.7	48.2	27.6	21.7
87.5°	14.0	14.8	27.9	22.0	18.5	10.6	13.1	17.5	23.5	11.8	9.0
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)