

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: P526462

Luminaire Tested: **GALN-SA1B-830-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526462
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1B-830-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4009 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

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

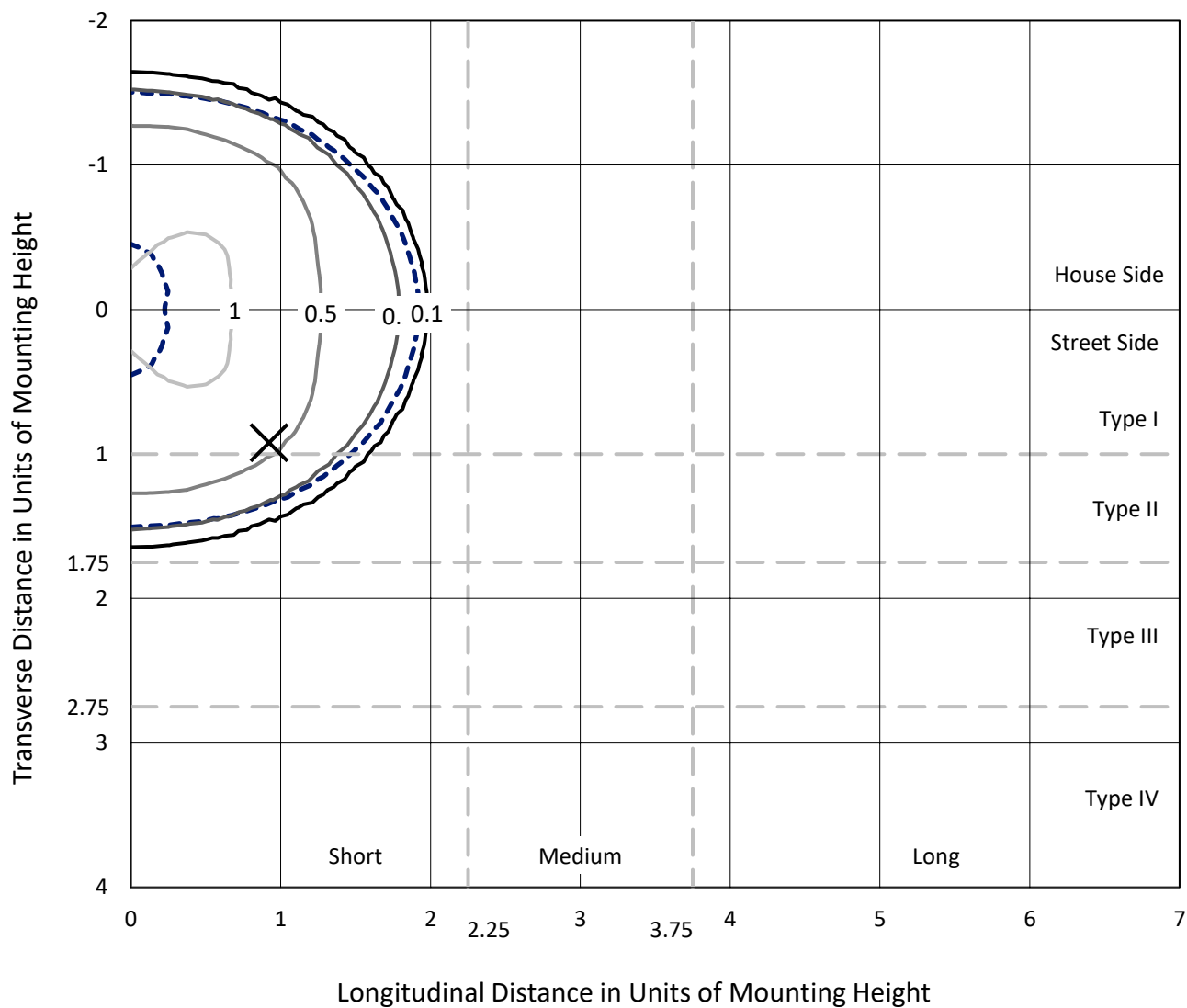


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Iso-Footcandle Lines of Horizontal Illumination

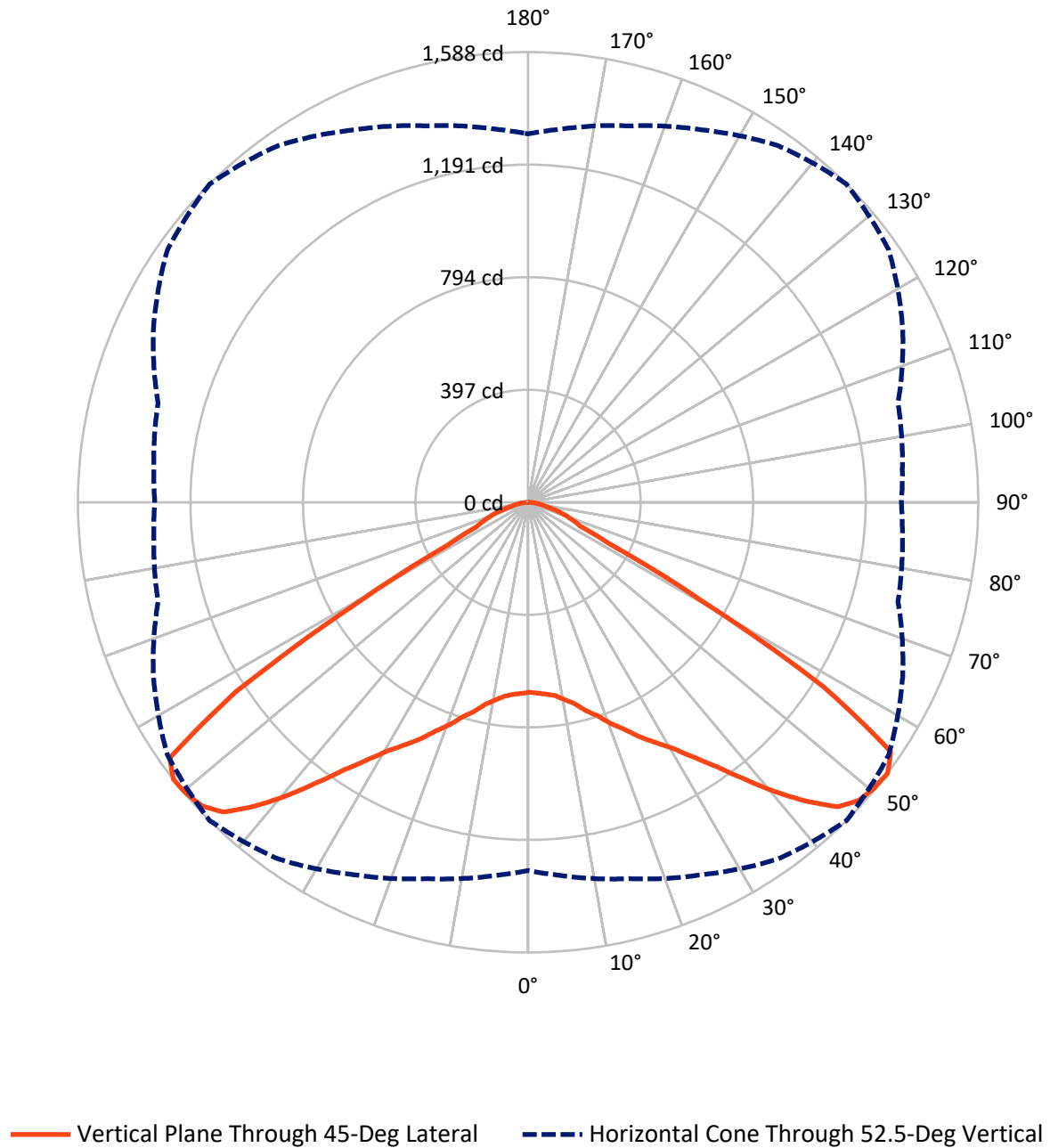
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2004.5	0.0	2004.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2004.5	0.0	2004.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4009.0	0.0	4009.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.8	1.6
10°-20°	216.3	5.4
20°-30°	411.9	10.3
30°-40°	707.3	17.6
40°-50°	1087.1	27.1
50°-60°	1103.9	27.5
60°-70°	307.6	7.7
70°-80°	90.7	2.3
80°-90°	18.3	0.5
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°	4009.0	100.0
0°-180°	4009.0	100.0

Coefficient of Utilization



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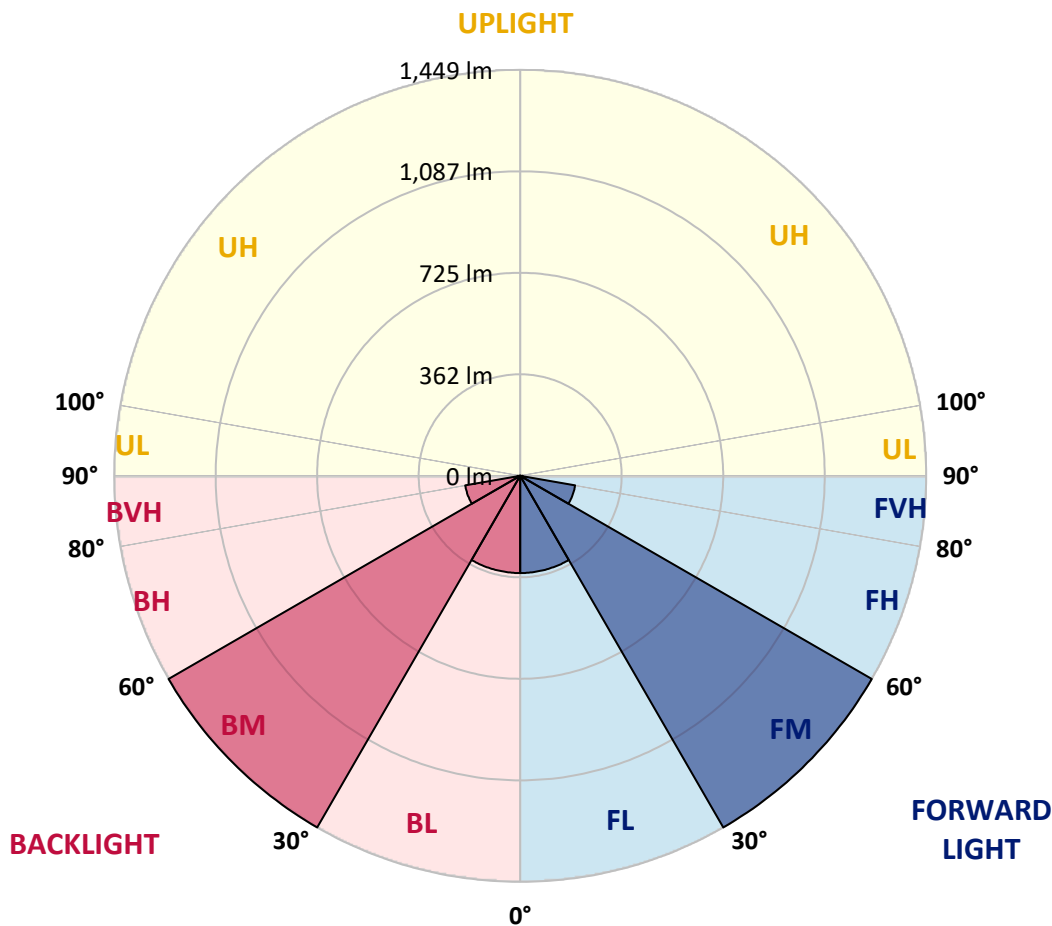
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	347.0	8.7			
FM	(30°-60°)	1449.1	36.1			
FH	(60°-80°)	199.2	5.0			G0/660
FVH	(80°-90°)	9.1	0.2			G0/10
BL	(0°-30°)	347.0	8.7	B1/500		
BM	(30°-60°)	1449.1	36.1	B2/2500		
BH	(60°-80°)	199.2	5.0	B1/500		G0/660
BVH	(80°-90°)	9.1	0.2			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	670.2	670.2	670.2	670.2	670.2	670.2	670.2	670.2	670.2	670.2	670.2
2.5°	671.6	664.7	667.2	668.7	675.1	674.6	673.1	675.1	677.1	677.6	676.6
5°	671.2	666.2	668.2	669.7	676.1	679.6	678.6	687.1	693.0	691.6	699.0
7.5°	667.2	670.2	667.7	675.1	680.6	689.1	698.0	706.0	713.4	721.9	723.4
10°	676.1	676.1	680.6	686.6	701.0	707.5	720.4	731.8	746.3	756.2	752.2
12.5°	685.6	687.1	687.1	702.5	714.4	728.9	740.8	756.2	776.6	788.6	794.5
15°	695.0	696.0	701.0	721.9	739.8	762.7	773.6	787.6	799.0	821.4	821.9
17.5°	703.5	709.0	723.9	747.3	769.7	791.6	809.0	823.4	833.3	842.3	840.3
20°	735.3	739.3	754.7	778.1	811.5	832.8	838.8	841.3	847.8	865.7	860.2
22.5°	766.2	767.7	782.1	817.9	841.3	869.7	876.1	874.6	877.1	881.6	889.6
25°	798.0	800.5	820.4	850.8	883.6	917.4	922.9	911.5	908.0	912.9	913.4
27.5°	838.8	839.3	864.7	891.1	928.4	960.2	968.7	959.7	943.3	947.3	953.7
30°	890.6	887.1	912.4	950.3	989.6	1007.5	1021.9	1017.4	999.5	996.0	990.6
32.5°	950.3	951.3	974.1	1015.4	1041.3	1071.2	1086.6	1079.1	1067.7	1061.7	1065.2
35°	1034.3	1038.8	1054.2	1088.6	1130.4	1145.3	1169.7	1153.7	1123.9	1131.4	1137.8
37.5°	1103.5	1116.4	1145.3	1186.1	1211.0	1238.3	1247.3	1225.9	1204.0	1195.0	1216.4
40°	1209.5	1205.5	1237.3	1278.1	1314.9	1342.3	1330.9	1309.5	1255.2	1255.7	1261.7
42.5°	1300.5	1302.5	1326.9	1375.6	1425.9	1442.8	1406.5	1354.2	1294.0	1287.6	1300.5
45°	1377.1	1385.1	1399.0	1464.2	1513.5	1531.9	1464.7	1403.0	1322.4	1295.5	1316.9
47.5°	1404.5	1417.4	1447.8	1507.5	1556.2	1571.2	1517.4	1428.9	1348.8	1305.0	1316.4
50°	1408.5	1404.0	1453.7	1508.5	1551.3	1583.6	1536.3	1447.8	1342.3	1319.4	1315.9
52.5°	1299.5	1321.4	1374.6	1449.8	1536.3	1588.1	1553.3	1458.2	1351.3	1325.4	1316.9
55°	1051.8	1025.9	1122.9	1249.3	1408.5	1552.3	1547.3	1463.7	1356.7	1335.3	1323.9
57.5°	587.1	594.5	649.3	786.6	992.1	1230.9	1375.6	1406.0	1354.2	1341.8	1347.8
60°	271.6	274.1	297.5	361.7	489.1	698.0	888.6	1082.1	1171.2	1189.1	1189.1
62.5°	202.5	201.5	207.5	218.9	245.8	320.9	428.4	582.1	704.5	790.1	812.4
65°	183.1	182.6	185.6	189.6	191.5	202.0	225.9	273.1	312.9	335.8	331.8
67.5°	160.2	159.7	160.7	163.2	166.7	172.1	178.1	188.1	202.0	201.0	198.5
70°	129.4	129.4	130.8	132.8	136.8	143.3	150.3	157.2	169.2	171.6	171.1
72.5°	95.5	94.0	97.0	101.0	105.0	112.9	120.4	126.9	135.3	137.8	136.8
75°	60.7	61.7	63.7	68.2	75.1	80.6	88.6	94.0	99.5	101.5	102.0
77.5°	33.8	34.8	38.3	43.8	50.7	56.7	63.7	68.2	71.6	72.1	72.6
80°	20.4	20.9	24.4	29.4	35.3	41.8	47.3	51.7	54.7	53.2	52.7
82.5°	12.4	12.9	15.9	20.4	25.4	30.3	36.3	40.3	43.3	41.3	39.3
85°	6.5	7.0	9.5	12.4	16.4	18.9	18.9	16.9	16.4	15.4	14.9
87.5°	2.0	2.0	2.5	3.0	2.5	3.0	3.5	4.0	4.0	4.5	4.0
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)