

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: P526430

Luminaire Tested: **GALN-SA1B-827-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526430
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1B-827-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3812 lumens
Efficiency: N/A
Efficacy: 86.6 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

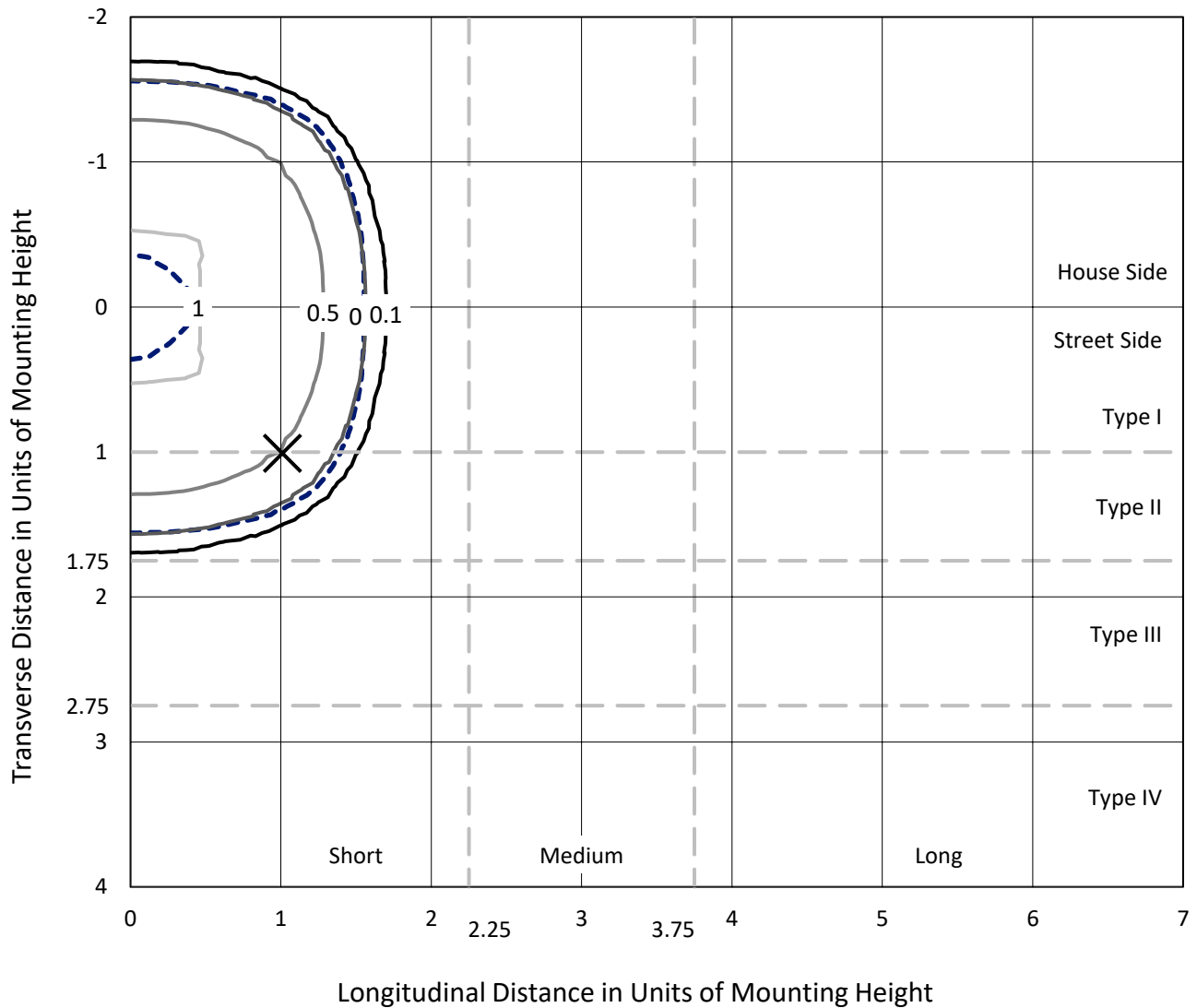
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

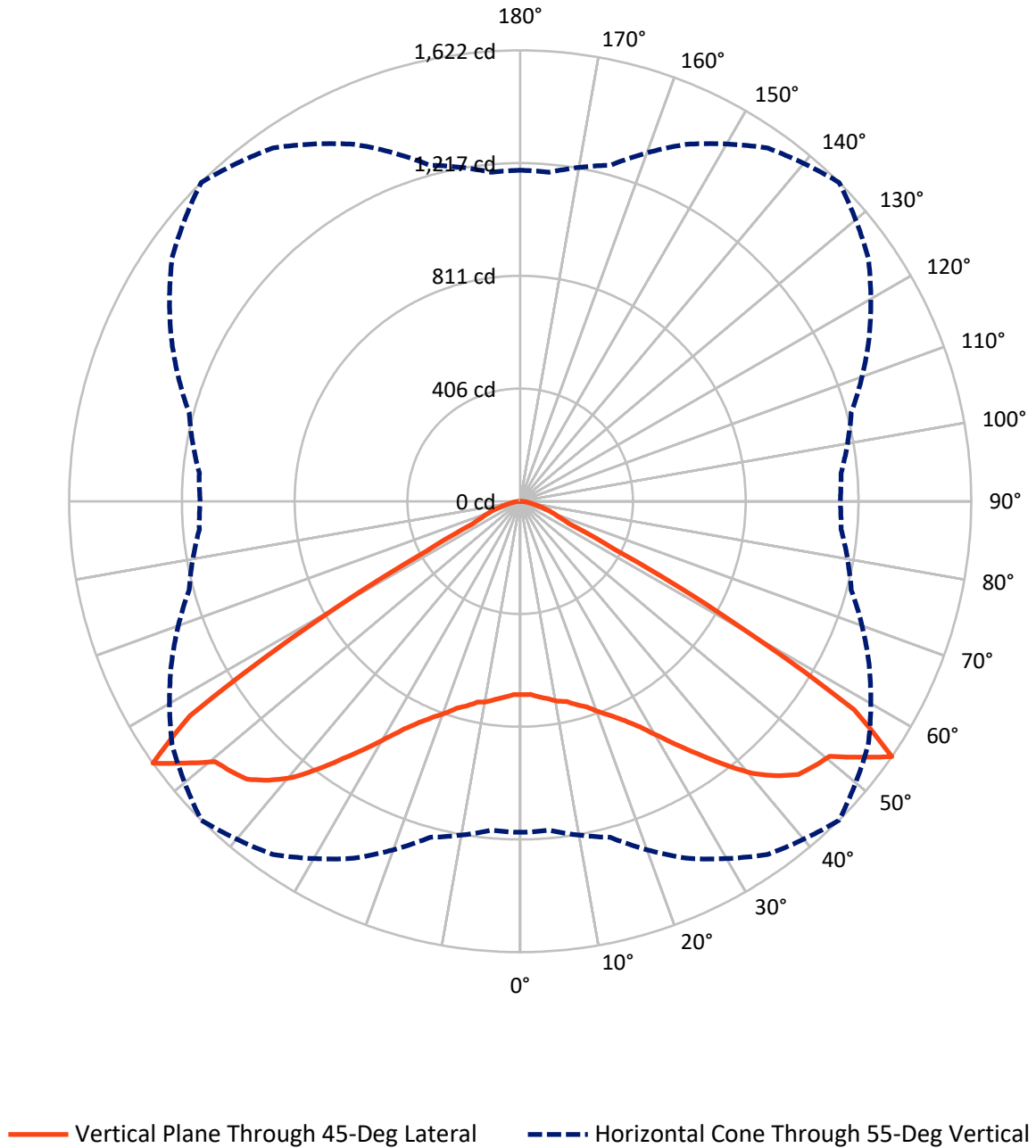
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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	1906.0	0.0	1906.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1906.0	0.0	1906.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3812.0	0.0	3812.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.0	1.8
10°-20°	215.4	5.7
20°-30°	401.7	10.5
30°-40°	672.6	17.6
40°-50°	1046.7	27.5
50°-60°	1086.8	28.5
60°-70°	230.5	6.0
70°-80°	75.9	2.0
80°-90°	14.5	0.4
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°	3812.0	100.0
0°-180°	3812.0	100.0

Coefficient of Utilization

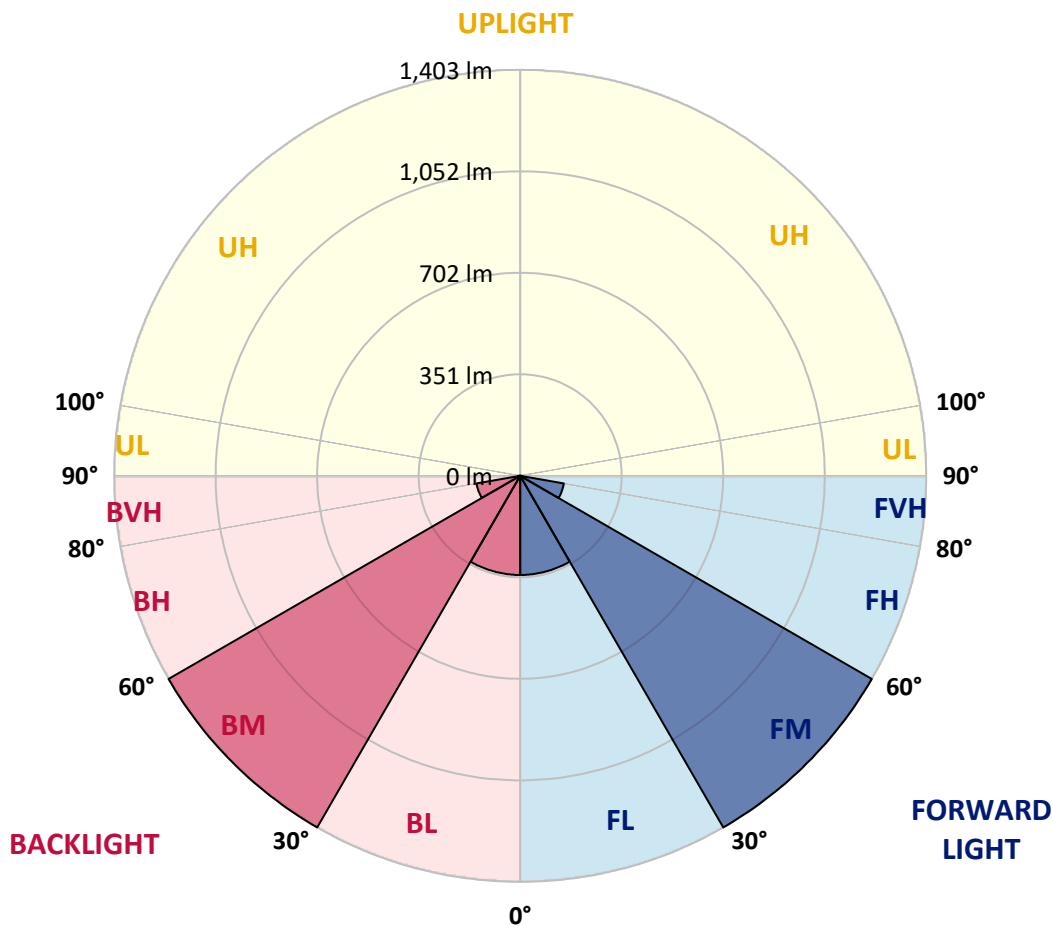


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	342.6	9.0			
FM (30°-60°)	1403.0	36.8			
FH (60°-80°)	153.2	4.0			G0/660
FVH (80°-90°)	7.2	0.2			G0/10
BL (0°-30°)	342.6	9.0	B1/500		
BM (30°-60°)	1403.0	36.8	B2/2500		
BH (60°-80°)	153.2	4.0	B1/500		G0/660
BVH (80°-90°)	7.2	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°	696.0	696.0	696.0	696.0	696.0	696.0	696.0	696.0	696.0	696.0	696.0
2.5°	704.3	701.1	695.6	699.7	702.9	696.0	698.8	700.2	699.2	695.6	696.9
5°	714.4	712.6	708.0	711.2	707.1	707.1	704.3	700.6	706.1	705.2	707.5
7.5°	714.4	712.1	721.3	715.4	717.2	717.2	712.6	708.9	711.7	707.5	705.2
10°	728.7	731.9	727.8	729.2	728.3	731.5	724.6	722.3	720.0	718.6	715.8
12.5°	745.8	743.5	744.8	743.9	747.1	738.9	734.7	729.6	733.8	727.8	731.9
15°	759.6	758.2	759.6	763.3	760.0	759.6	752.2	747.1	740.7	742.1	735.6
17.5°	778.5	777.1	777.5	780.8	780.3	778.0	772.5	762.8	760.5	756.8	752.7
20°	806.6	804.3	803.3	804.7	807.0	808.9	797.8	794.1	786.3	780.3	773.4
22.5°	830.5	829.6	833.3	827.3	832.4	837.9	827.3	825.5	806.1	802.9	795.5
25°	863.7	862.3	860.0	868.8	874.7	874.3	864.1	854.0	839.3	835.6	835.6
27.5°	898.7	890.9	902.8	905.1	915.7	919.0	910.2	895.5	881.6	873.8	875.7
30°	942.5	935.1	937.8	954.4	968.2	980.2	958.1	936.5	917.1	903.3	901.0
32.5°	986.2	978.8	987.1	1003.3	1030.9	1048.9	1027.2	989.4	966.9	946.6	950.7
35°	1021.7	1027.2	1040.6	1065.0	1093.5	1122.6	1088.0	1059.0	1026.7	1004.2	1007.4
37.5°	1078.8	1095.8	1106.4	1134.5	1175.1	1205.0	1169.1	1131.3	1096.8	1067.3	1057.1
40°	1153.4	1164.9	1176.9	1210.1	1258.0	1287.9	1253.8	1204.6	1170.5	1140.1	1138.7
42.5°	1235.4	1246.5	1258.9	1299.4	1328.0	1350.6	1319.2	1293.0	1255.2	1231.3	1229.9
45°	1330.8	1322.9	1336.8	1363.5	1387.4	1402.2	1381.9	1369.0	1341.8	1319.7	1317.4
47.5°	1394.3	1387.4	1412.3	1436.2	1439.9	1423.8	1428.0	1439.9	1411.4	1375.0	1386.5
50°	1431.2	1431.2	1447.8	1469.9	1463.0	1442.2	1474.9	1475.9	1447.3	1415.1	1415.1
52.5°	1367.2	1381.4	1428.4	1500.7	1523.8	1529.8	1522.4	1491.1	1416.4	1350.6	1347.3
55°	1191.2	1188.0	1251.5	1417.4	1551.4	1622.3	1528.4	1384.2	1232.7	1158.5	1151.1
57.5°	774.8	778.5	873.4	1042.4	1284.2	1416.4	1258.0	1055.3	873.4	771.1	780.8
60°	348.7	361.1	418.7	544.9	752.7	860.5	754.5	572.6	439.4	381.4	386.5
62.5°	200.4	202.7	205.0	243.2	320.6	379.1	333.0	257.0	226.6	216.5	216.5
65°	169.1	167.7	168.1	171.4	179.6	191.6	186.6	179.6	180.6	179.6	178.3
67.5°	143.7	145.6	144.2	146.5	146.9	148.8	152.0	154.8	155.2	156.2	155.2
70°	117.9	118.4	119.3	121.1	121.6	123.0	127.6	129.9	131.3	131.3	133.1
72.5°	90.3	89.8	90.7	92.6	94.9	95.4	99.5	102.7	104.6	102.3	102.7
75°	59.4	59.9	61.3	62.6	65.9	69.1	70.5	73.7	74.2	75.1	72.8
77.5°	35.5	36.4	37.8	40.5	43.3	46.1	49.3	51.6	52.5	51.6	48.8
80°	23.0	23.0	24.9	27.2	30.4	32.7	34.5	36.4	37.8	36.4	35.5
82.5°	14.3	14.3	16.6	19.3	21.6	23.0	25.8	28.1	29.5	28.6	27.2
85°	7.4	7.8	9.7	12.0	13.8	14.7	14.3	12.9	11.5	11.1	10.1
87.5°	2.3	2.3	2.8	2.8	2.3	2.3	2.8	2.3	2.8	2.8	2.8
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)