

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: P526409

Luminaire Tested: **GALN-SA1B-760-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526409
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1B-760-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5700K, 800mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3721 lumens
Efficiency: N/A
Efficacy: 84.6 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

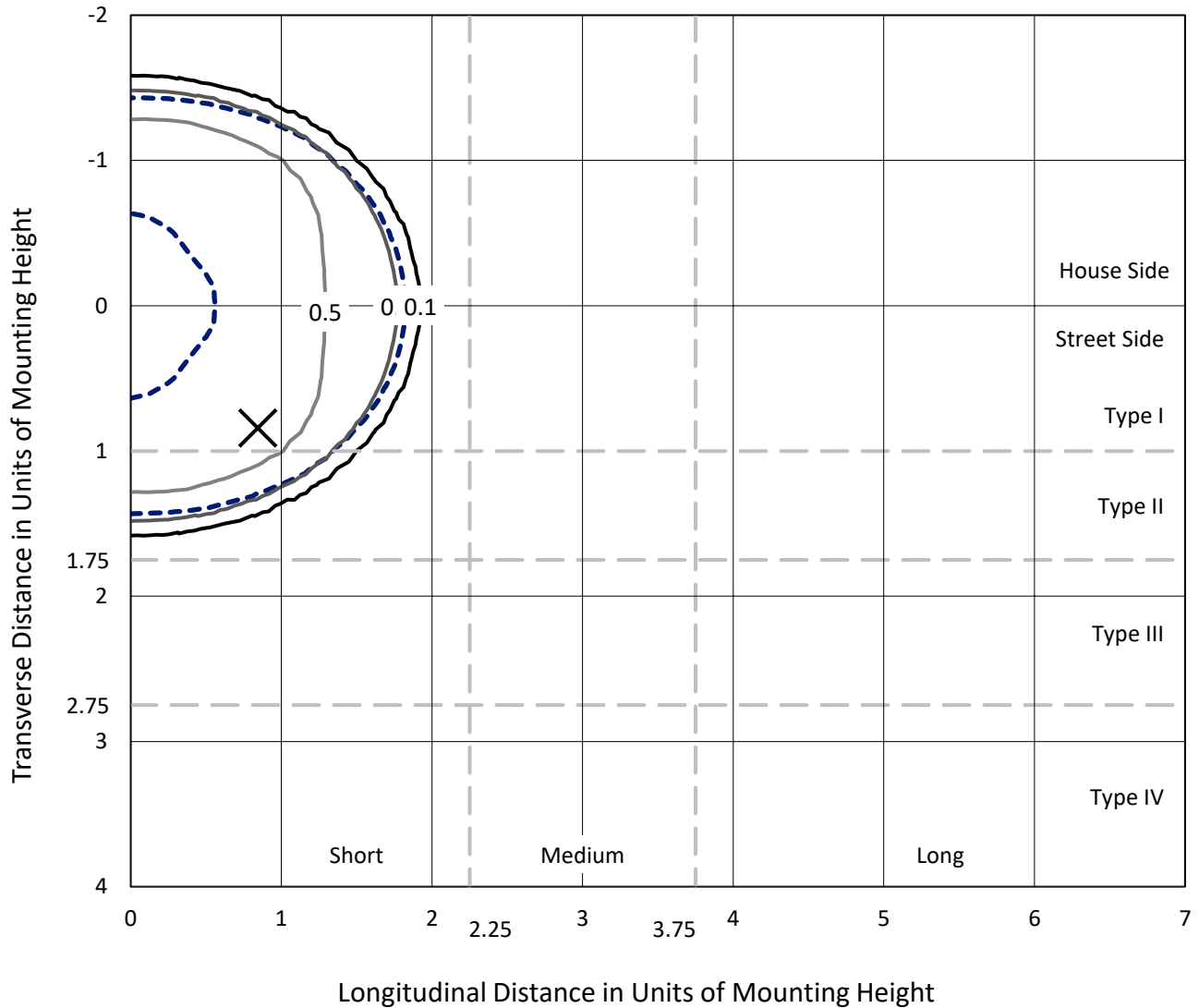
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

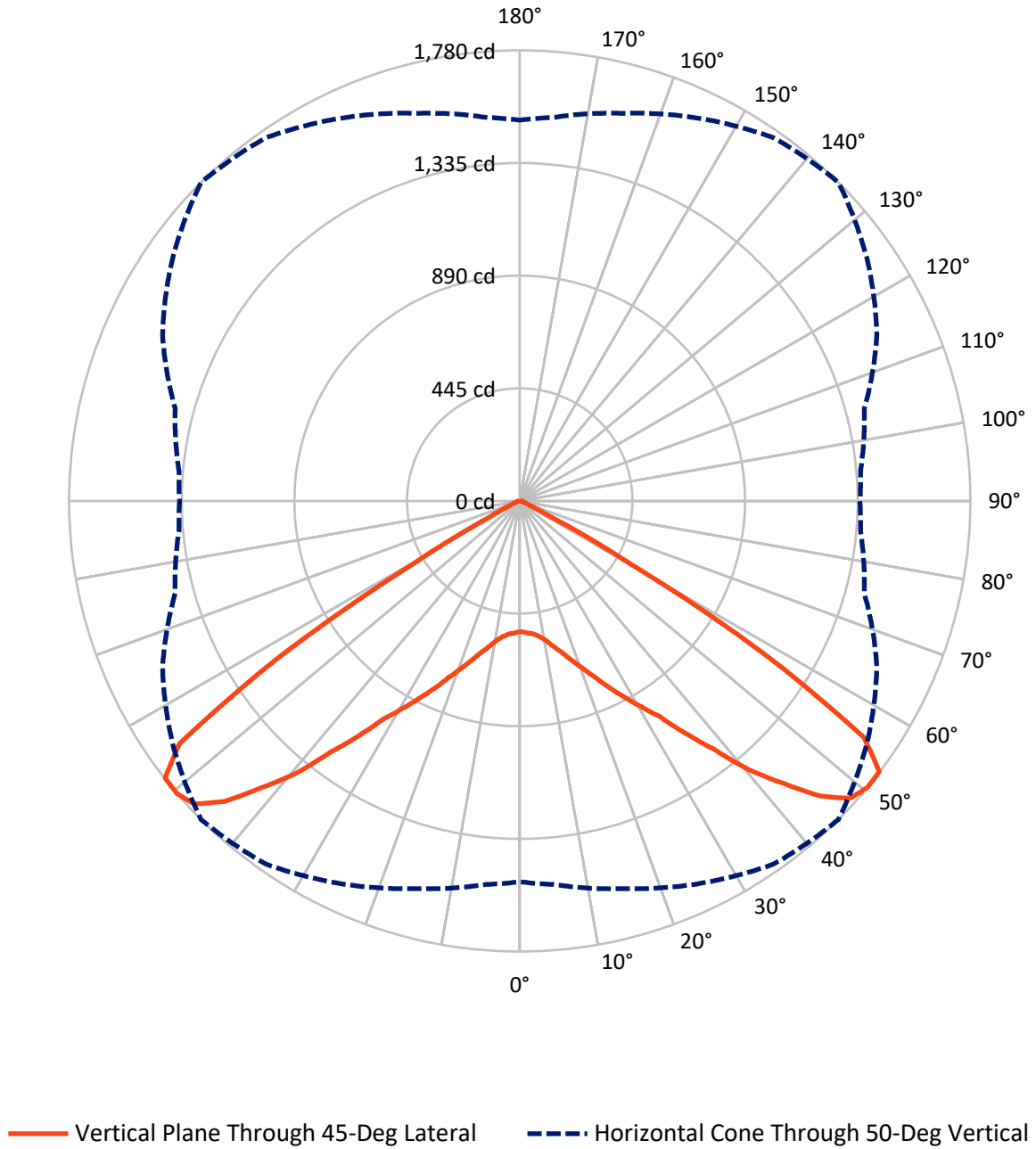
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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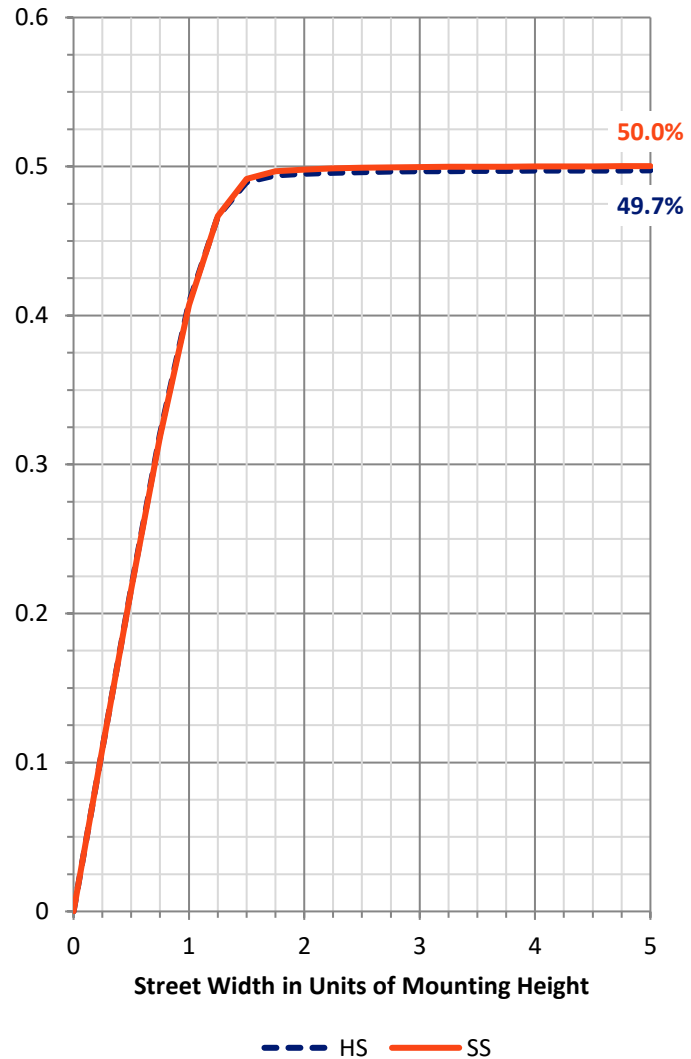
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1860.5	0.0	1860.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1860.5	0.0	1860.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3721.0	0.0	3721.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.3	1.4
10°-20°	176.9	4.8
20°-30°	361.3	9.7
30°-40°	688.9	18.5
40°-50°	1161.0	31.2
50°-60°	1107.2	29.8
60°-70°	154.6	4.2
70°-80°	14.8	0.4
80°-90°	5.1	0.1
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°	3721.0	100.0
0°-180°	3721.0	100.0

Coefficient of Utilization



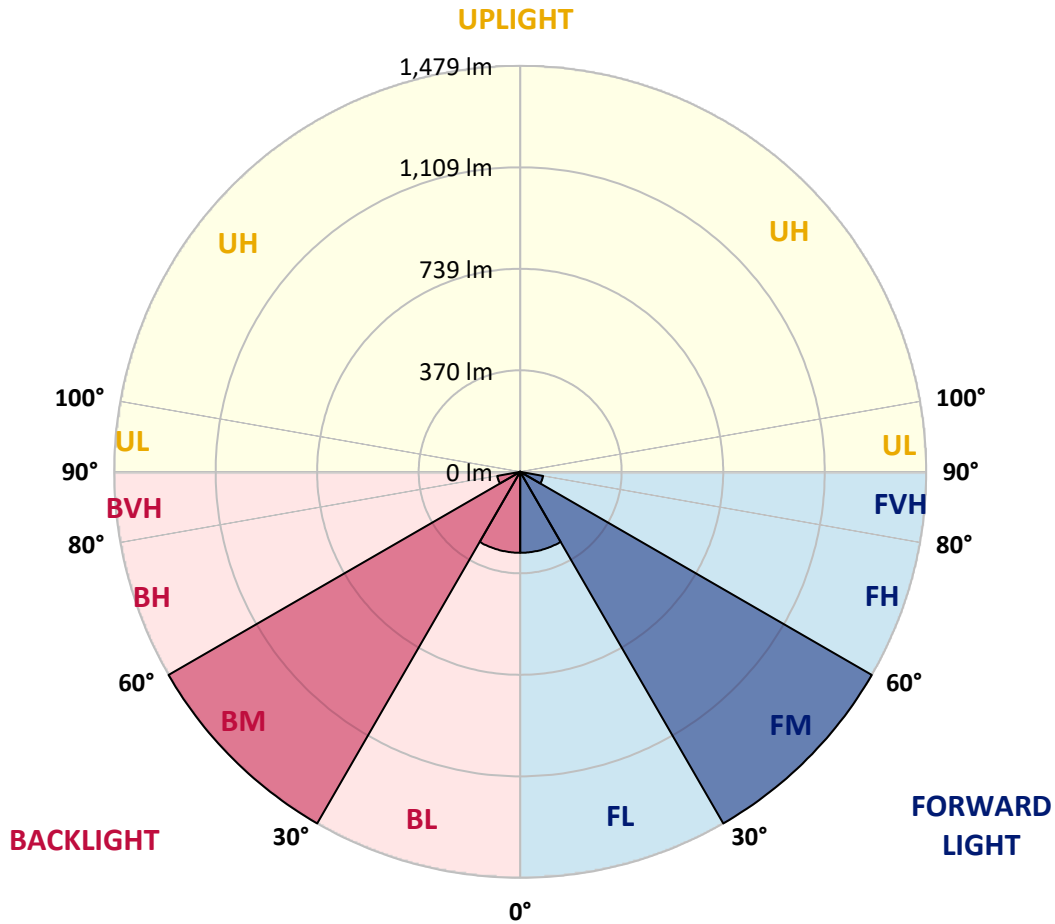
REPORT NUMBER: P526409
 CATALOG NUMBER: GALN-SA1B-760-U-RW-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	294.7	7.9			
FM (30°-60°)	1478.5	39.7			
FH (60°-80°)	84.7	2.3			G0/660
FVH (80°-90°)	2.6	0.1			G0/10
BL (0°-30°)	294.7	7.9	B1/500		
BM (30°-60°)	1478.5	39.7	B2/2500		
BH (60°-80°)	84.7	2.3	B0/110		G0/660
BVH (80°-90°)	2.6	0.1			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°	515.9	515.9	515.9	515.9	515.9	515.9	515.9	515.9	515.9	515.9	515.9
2.5°	514.0	514.0	513.4	518.4	515.9	521.5	520.9	522.8	524.6	524.0	529.0
5°	509.6	509.0	509.0	514.6	520.3	526.5	532.2	535.9	542.2	542.2	548.4
7.5°	514.0	510.9	515.2	517.8	528.4	539.0	548.4	555.9	570.3	575.4	573.5
10°	515.2	519.0	522.1	529.6	542.8	559.1	567.2	586.0	602.3	613.5	616.0
12.5°	523.4	529.0	537.8	555.9	567.8	589.1	600.4	618.6	641.1	653.6	662.4
15°	539.0	540.9	552.2	575.4	601.0	620.4	638.0	651.1	673.0	687.4	688.0
17.5°	559.1	567.2	582.9	604.8	631.7	660.5	674.3	688.7	696.8	716.2	720.6
20°	599.1	600.4	615.4	644.2	678.0	704.3	714.3	721.9	718.7	738.8	742.5
22.5°	636.7	638.0	656.7	695.6	731.9	754.4	758.8	754.4	745.0	759.4	760.7
25°	674.9	686.2	699.9	738.8	783.8	813.9	814.5	802.6	783.2	785.7	792.0
27.5°	734.4	742.5	756.9	792.6	842.1	875.9	870.2	855.8	830.8	832.7	830.8
30°	803.9	811.4	823.3	869.0	905.3	942.2	950.4	936.6	899.0	890.9	900.3
32.5°	887.8	898.4	920.3	962.3	992.9	1015.5	1021.1	1016.1	981.0	977.9	984.2
35°	989.8	1004.2	1024.2	1061.2	1086.2	1126.9	1126.9	1110.0	1078.1	1081.8	1081.2
37.5°	1097.5	1118.8	1150.1	1187.6	1221.4	1243.4	1236.5	1222.1	1190.1	1182.0	1190.1
40°	1232.7	1243.4	1282.8	1331.6	1373.0	1398.0	1368.6	1337.3	1260.9	1272.8	1294.7
42.5°	1356.1	1373.0	1403.0	1456.8	1503.8	1524.5	1489.4	1427.4	1335.4	1326.0	1342.3
45°	1461.2	1479.4	1518.8	1595.8	1645.3	1663.4	1585.8	1485.6	1380.5	1356.7	1363.6
47.5°	1531.3	1540.7	1595.8	1669.1	1714.2	1755.5	1644.0	1525.7	1401.8	1356.7	1354.2
50°	1504.4	1520.7	1585.2	1668.5	1750.5	1779.9	1673.5	1556.4	1408.6	1351.0	1343.5
52.5°	1336.0	1364.2	1436.2	1548.3	1672.2	1777.4	1714.2	1546.4	1406.1	1356.7	1367.9
55°	929.7	930.3	1018.0	1183.3	1402.4	1650.3	1654.7	1557.6	1422.4	1391.7	1392.4
57.5°	373.8	392.5	459.5	625.4	827.7	1133.2	1347.3	1445.0	1424.3	1416.8	1436.2
60°	94.5	95.2	115.8	176.5	291.1	485.8	705.6	954.7	1099.4	1148.8	1155.7
62.5°	48.2	48.8	53.8	62.6	79.5	130.2	231.6	367.5	522.8	601.6	622.3
65°	39.4	39.4	42.6	47.0	47.6	50.1	60.1	85.8	124.6	141.5	143.4
67.5°	30.1	30.1	32.6	35.1	36.3	35.7	34.4	35.7	43.2	41.3	40.1
70°	18.8	19.4	20.7	23.2	24.4	25.0	25.7	26.9	30.7	31.9	30.7
72.5°	11.3	11.3	11.9	13.8	15.7	16.9	18.8	20.0	21.9	25.0	24.4
75°	5.0	5.0	6.3	8.1	10.0	11.9	13.8	15.7	16.9	18.8	19.4
77.5°	1.3	1.9	3.1	5.6	7.5	10.0	12.5	14.4	15.7	15.7	15.0
80°	0.6	0.6	2.5	4.4	8.1	10.6	13.8	15.0	16.9	15.7	13.8
82.5°	0.6	0.6	2.5	4.4	7.5	10.6	14.4	16.3	17.5	15.7	13.1
85°	0.0	0.6	1.9	3.8	6.3	7.5	6.3	4.4	2.5	2.5	1.9
87.5°	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)