

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: P527105

Luminaire Tested: **GALN-SA2A-760-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527105
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2A-760-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6318 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

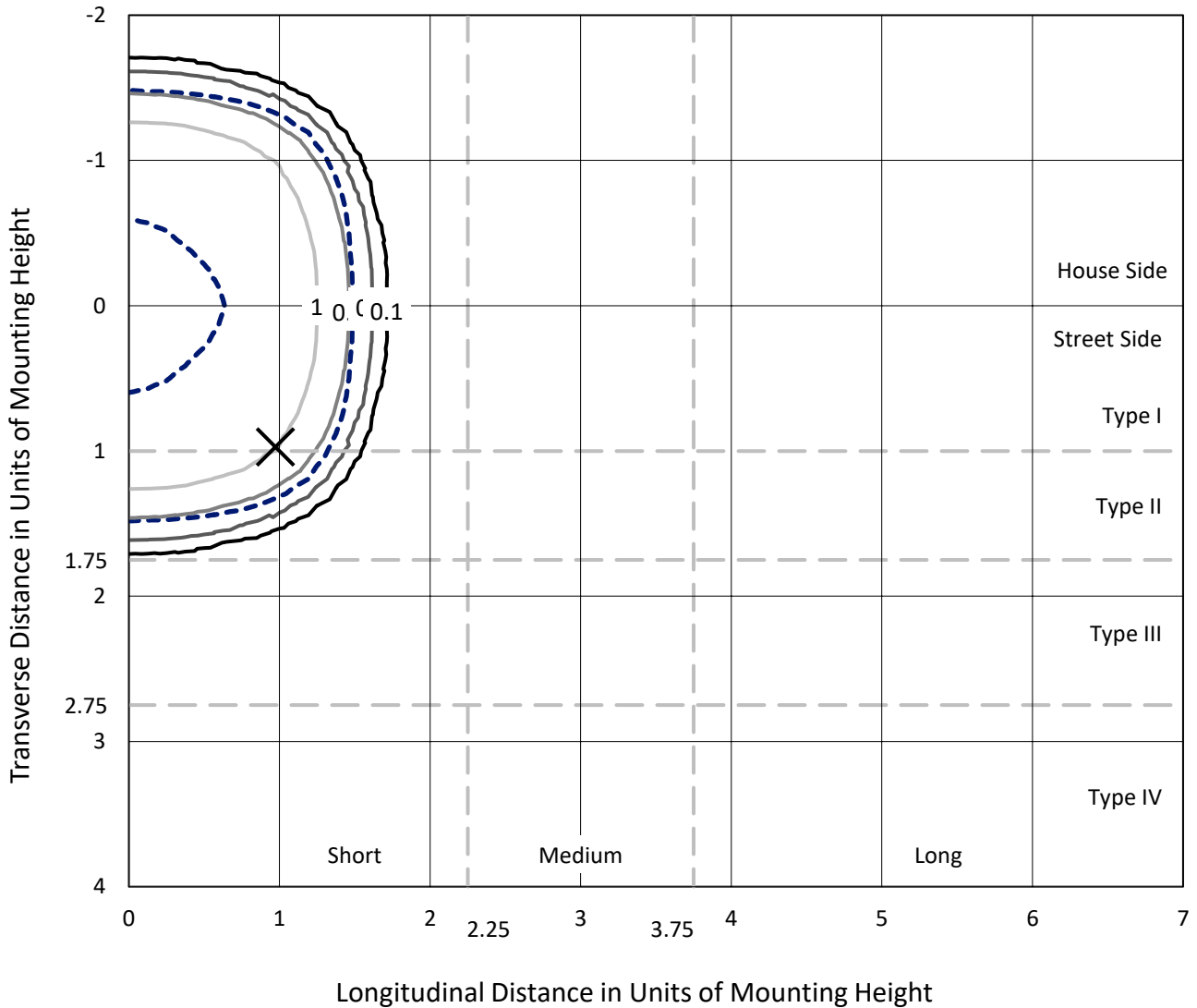
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

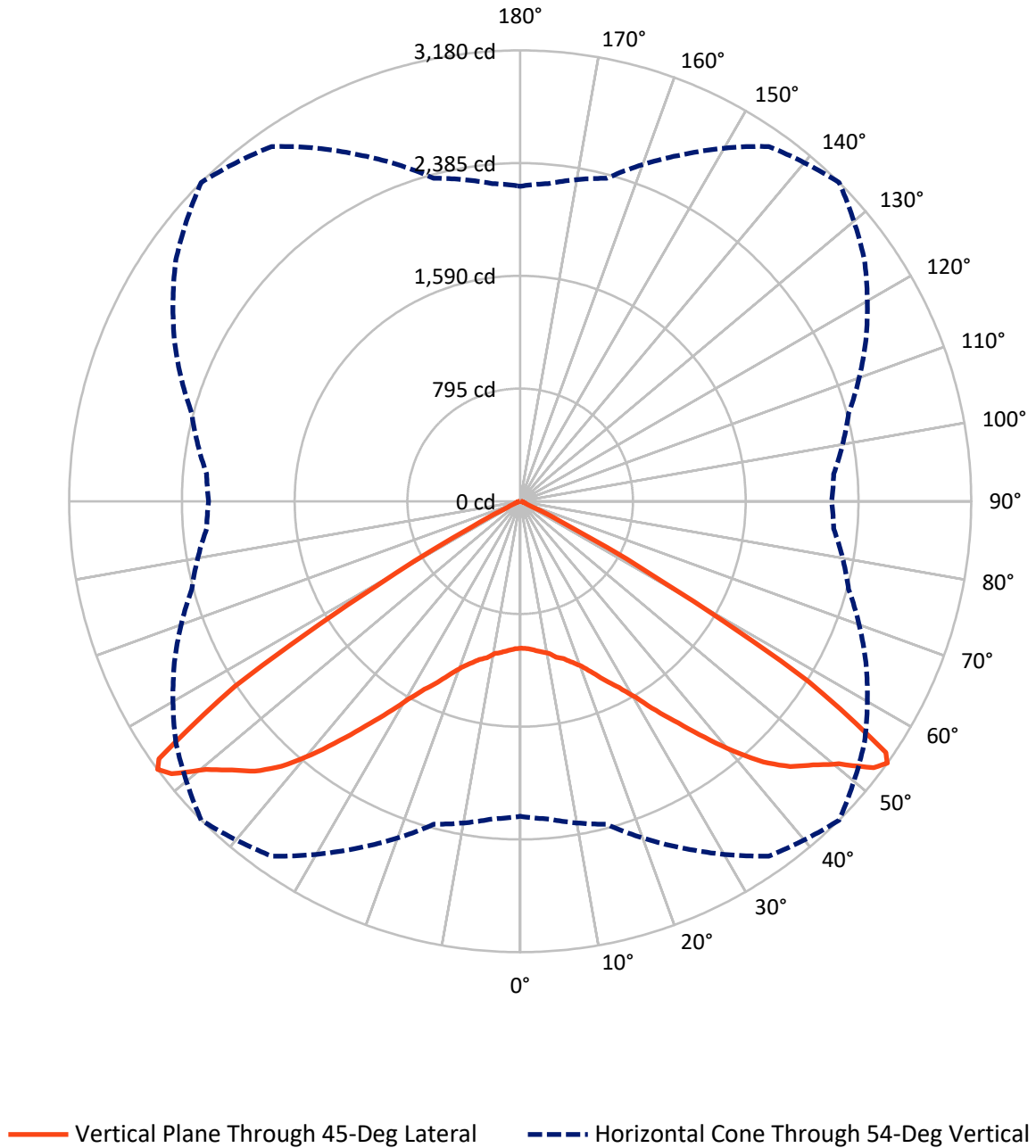
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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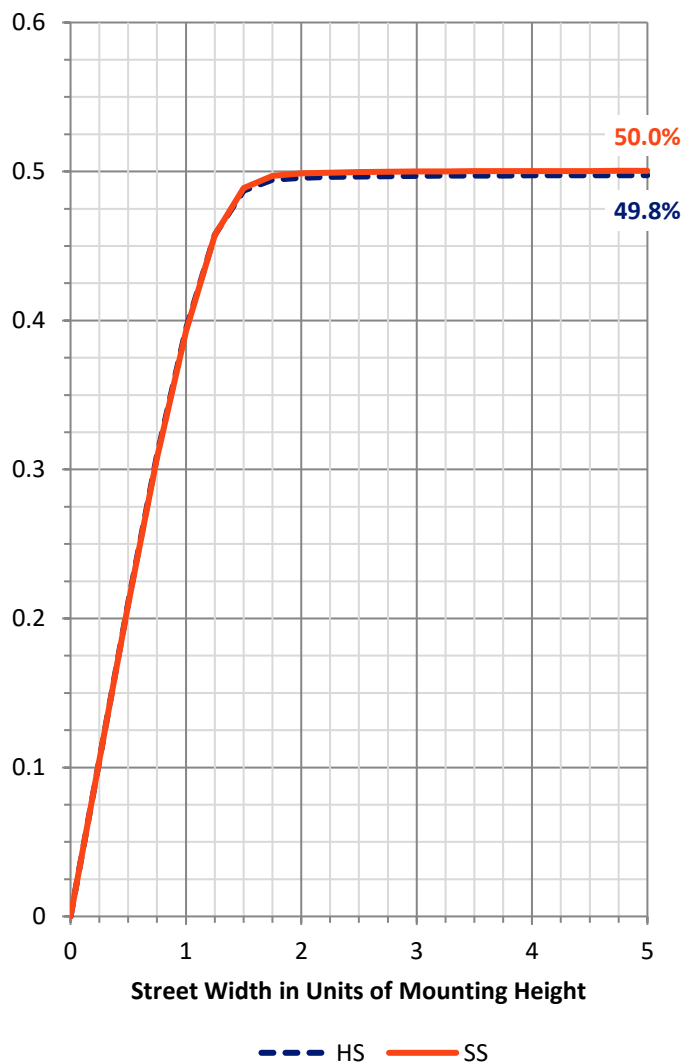
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3159.0	0.0	3159.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3159.0	0.0	3159.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6318.0	0.0	6318.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.4	1.6
10°-20°	328.4	5.2
20°-30°	643.6	10.2
30°-40°	1157.3	18.3
40°-50°	1981.0	31.4
50°-60°	1916.8	30.3
60°-70°	164.1	2.6
70°-80°	19.4	0.3
80°-90°	6.1	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°	6318.0	100.0
0°-180°	6318.0	100.0

Coefficient of Utilization



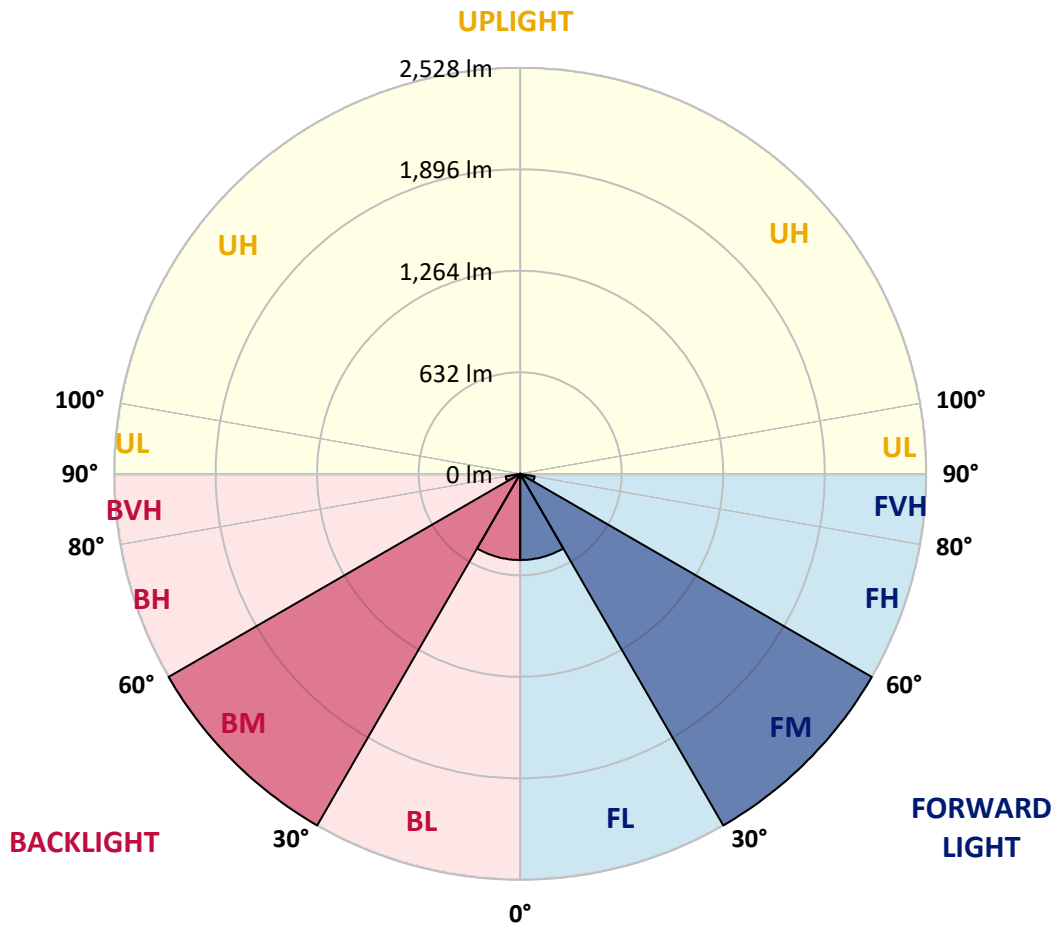
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	536.7	8.5			
FM (30°-60°)	2527.5	40.0			
FH (60°-80°)	91.8	1.5			G0/660
FVH (80°-90°)	3.0	0.0			G0/10
BL (0°-30°)	536.7	8.5	B2/1000		
BM (30°-60°)	2527.5	40.0	B3/5000		
BH (60°-80°)	91.8	1.5	B0/110		G0/660
BVH (80°-90°)	3.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1036.0	1036.0	1036.0	1036.0	1036.0	1036.0	1036.0	1036.0	1036.0	1036.0	1036.0
2.5°	1041.0	1047.0	1043.0	1046.0	1046.0	1041.0	1044.0	1032.0	1040.0	1034.0	1035.0
5°	1057.0	1056.0	1056.0	1057.0	1053.0	1055.0	1051.0	1047.0	1044.0	1040.0	1052.0
7.5°	1077.0	1077.0	1070.0	1072.0	1070.0	1073.0	1065.0	1057.0	1054.0	1051.0	1049.0
10°	1096.0	1094.0	1091.0	1100.0	1093.0	1089.0	1085.0	1080.0	1069.0	1065.0	1061.0
12.5°	1124.0	1123.0	1119.0	1128.0	1124.0	1128.0	1113.0	1100.0	1098.0	1085.0	1092.0
15°	1157.1	1166.1	1159.1	1159.1	1157.1	1152.1	1146.1	1140.1	1122.0	1117.0	1118.0
17.5°	1200.1	1197.1	1198.1	1198.1	1208.1	1195.1	1183.1	1168.1	1159.1	1156.1	1146.1
20°	1241.1	1245.1	1244.1	1251.2	1257.2	1243.1	1230.1	1228.1	1203.1	1207.1	1193.1
22.5°	1313.2	1310.2	1315.2	1320.2	1316.2	1314.2	1302.2	1287.2	1265.2	1255.2	1253.2
25°	1389.3	1384.3	1375.3	1387.3	1393.3	1402.3	1379.3	1371.3	1337.2	1322.2	1323.2
27.5°	1454.3	1461.3	1471.4	1476.4	1491.4	1488.4	1472.4	1446.3	1420.3	1403.3	1392.3
30°	1543.4	1547.4	1564.4	1571.4	1597.5	1604.5	1579.5	1549.4	1503.4	1481.4	1468.4
32.5°	1625.5	1653.5	1652.5	1687.6	1729.6	1758.6	1713.6	1667.5	1621.5	1595.5	1572.4
35°	1758.6	1753.6	1782.6	1819.7	1887.7	1920.8	1871.7	1818.7	1748.6	1706.6	1688.6
37.5°	1882.7	1884.7	1923.8	1982.8	2060.9	2111.9	2068.9	1981.8	1909.8	1855.7	1830.7
40°	2062.9	2066.9	2106.9	2174.0	2262.1	2317.1	2267.1	2179.0	2082.9	2040.9	2040.9
42.5°	2274.1	2291.1	2317.1	2375.2	2454.3	2515.3	2470.3	2401.2	2304.1	2250.1	2258.1
45°	2491.3	2499.3	2516.3	2602.4	2639.4	2669.5	2627.4	2595.4	2530.3	2464.3	2453.3
47.5°	2694.5	2697.5	2747.5	2774.6	2803.6	2778.6	2805.6	2763.5	2690.5	2626.4	2613.4
50°	2784.6	2779.6	2850.6	2932.7	2954.7	2910.7	2887.7	2859.6	2748.5	2671.5	2637.4
52.5°	2522.3	2551.4	2683.5	2911.7	3083.8	3120.9	2986.8	2857.6	2650.4	2500.3	2477.3
54°	2222.0	2249.1	2358.2	2696.5	3054.8	3179.9	2963.7	2689.5	2397.2	2219.0	2196.0
55°	1924.8	1894.7	2092.9	2438.2	2918.7	3127.9	2872.6	2472.3	2138.0	1974.8	1942.8
57.5°	1042.0	1047.0	1214.1	1540.4	2050.9	2398.2	2118.0	1672.5	1263.2	1080.0	1064.0
60°	330.3	338.3	411.4	622.6	979.9	1170.1	1002.9	671.6	464.4	372.3	357.3
62.5°	103.1	107.1	117.1	174.2	268.2	383.4	300.3	180.2	134.1	123.1	125.1
65°	63.1	63.1	64.1	68.1	80.1	93.1	90.1	79.1	76.1	74.1	73.1
67.5°	41.0	40.0	42.0	45.0	47.0	48.0	51.0	54.0	53.0	51.0	51.0
70°	25.0	24.0	26.0	30.0	31.0	33.0	36.0	40.0	39.0	37.0	38.0
72.5°	14.0	14.0	15.0	18.0	21.0	23.0	26.0	29.0	30.0	29.0	29.0
75°	5.0	6.0	8.0	11.0	13.0	16.0	19.0	22.0	25.0	23.0	22.0
77.5°	2.0	2.0	4.0	7.0	10.0	13.0	18.0	21.0	23.0	21.0	19.0
80°	1.0	1.0	3.0	6.0	9.0	12.0	15.0	18.0	19.0	17.0	15.0
82.5°	1.0	1.0	3.0	6.0	9.0	11.0	16.0	18.0	20.0	18.0	15.0
85°	0.0	1.0	3.0	6.0	8.0	9.0	9.0	6.0	5.0	3.0	3.0
87.5°	0.0	0.0	1.0	0.0	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)