

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: P527287

Luminaire Tested: **GALN-SA2B-740-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527287
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-SA2B-740-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 4000K, 800mA 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: 7861 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

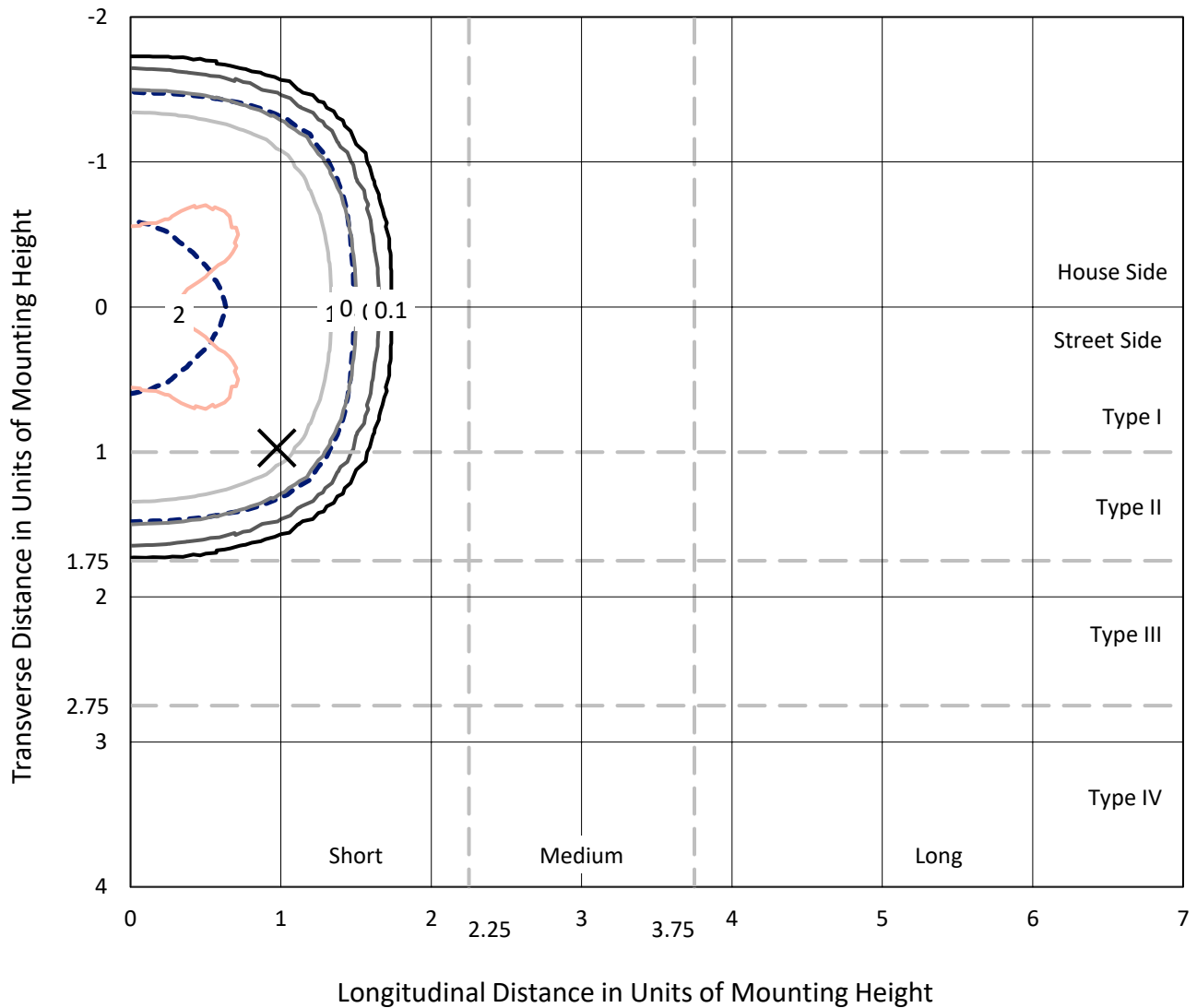
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P527287
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Iso-Footcandle Lines of Horizontal Illumination

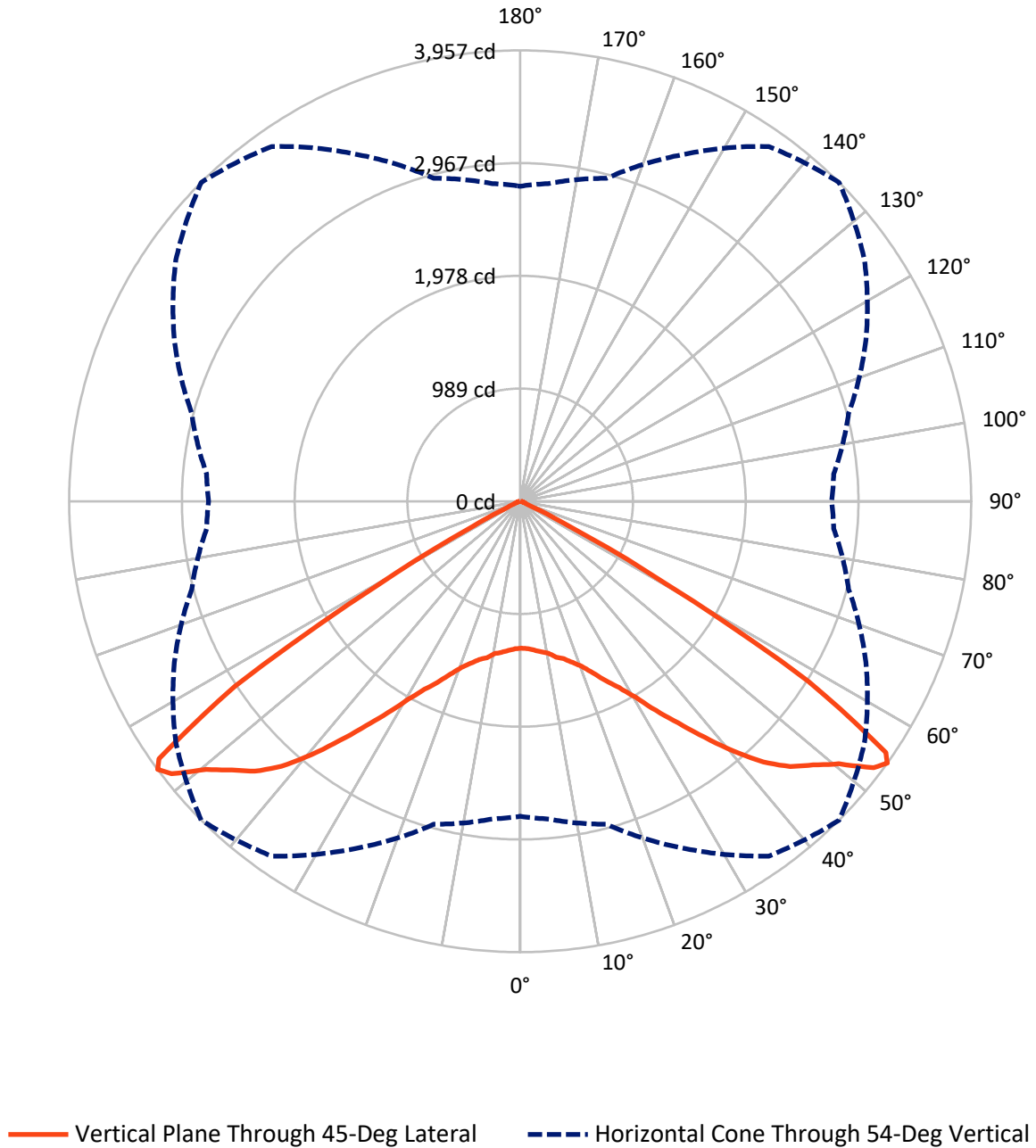
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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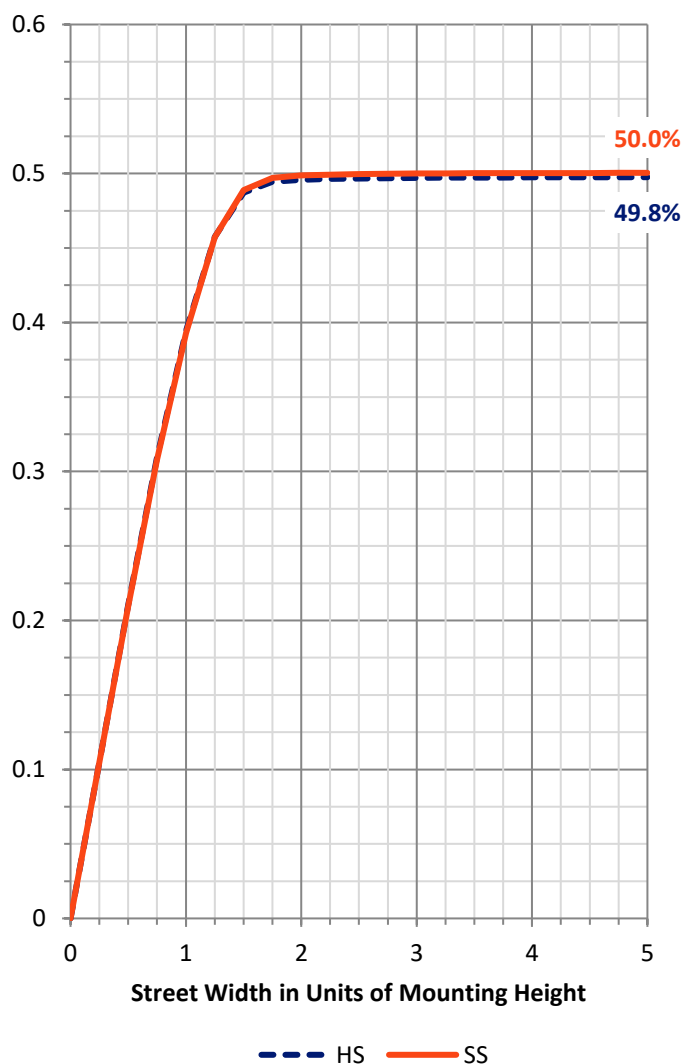
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3930.5	0.0	3930.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3930.5	0.0	3930.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7861.0	0.0	7861.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.2	1.6
10°-20°	408.5	5.2
20°-30°	800.7	10.2
30°-40°	1439.9	18.3
40°-50°	2464.8	31.4
50°-60°	2384.9	30.3
60°-70°	204.2	2.6
70°-80°	24.2	0.3
80°-90°	7.6	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°	7861.0	100.0
0°-180°	7861.0	100.0

Coefficient of Utilization

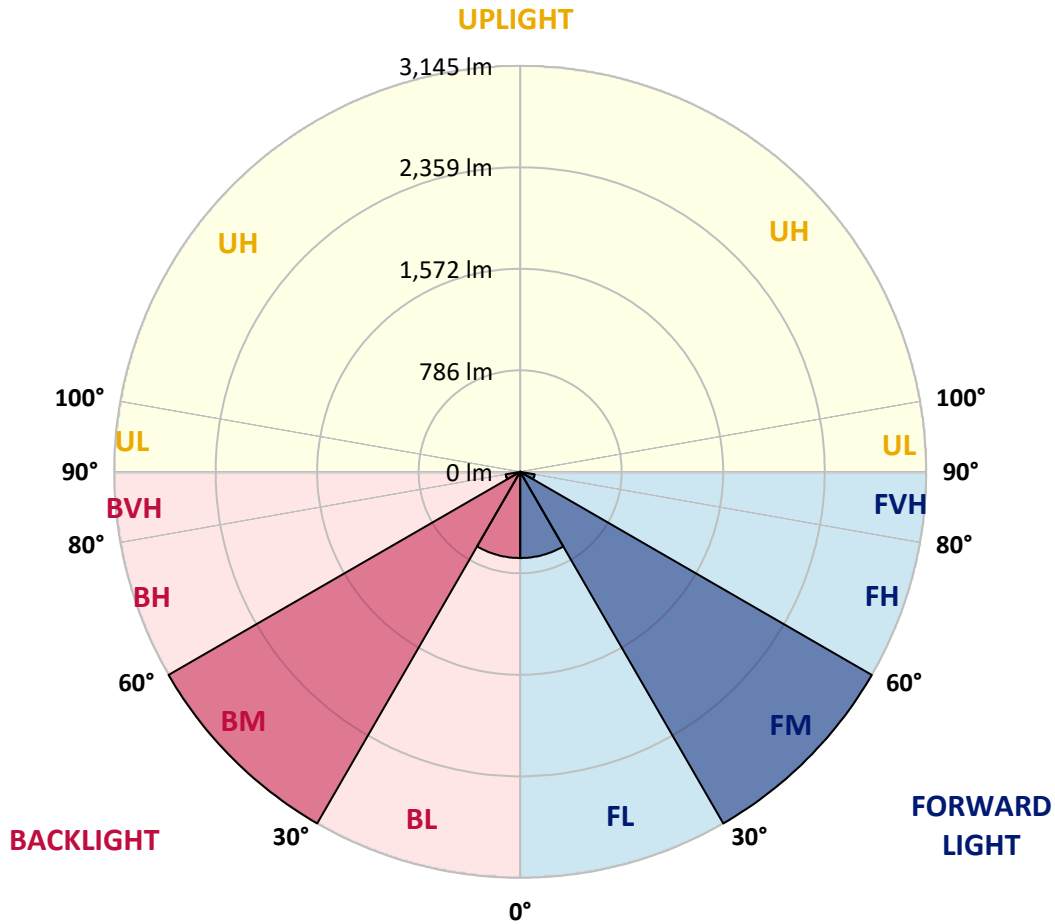


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	667.7	8.5			
FM (30°-60°)	3144.8	40.0			
FH (60°-80°)	114.2	1.5			G0/660
FVH (80°-90°)	3.8	0.0			G0/10
BL (0°-30°)	667.7	8.5	B2/1000		
BM (30°-60°)	3144.8	40.0	B3/5000		
BH (60°-80°)	114.2	1.5	B1/500		G0/660
BVH (80°-90°)	3.8	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°	1289.0	1289.0	1289.0	1289.0	1289.0	1289.0	1289.0	1289.0	1289.0	1289.0	1289.0
2.5°	1295.2	1302.7	1297.7	1301.4	1301.4	1295.2	1298.9	1284.0	1293.9	1286.5	1287.7
5°	1315.1	1313.9	1313.9	1315.1	1310.1	1312.6	1307.6	1302.7	1298.9	1293.9	1308.9
7.5°	1340.0	1340.0	1331.3	1333.8	1331.3	1335.0	1325.1	1315.1	1311.4	1307.6	1305.1
10°	1363.7	1361.2	1357.5	1368.7	1359.9	1355.0	1350.0	1343.8	1330.1	1325.1	1320.1
12.5°	1398.6	1397.3	1392.3	1403.5	1398.6	1403.5	1384.9	1368.7	1366.2	1350.0	1358.7
15°	1439.6	1450.9	1442.1	1442.1	1439.6	1433.4	1425.9	1418.5	1396.1	1389.8	1391.1
17.5°	1493.2	1489.5	1490.7	1490.7	1503.2	1487.0	1472.0	1453.3	1442.1	1438.4	1425.9
20°	1544.3	1549.2	1548.0	1556.7	1564.2	1546.8	1530.6	1528.1	1496.9	1501.9	1484.5
22.5°	1633.9	1630.2	1636.4	1642.6	1637.7	1635.2	1620.2	1601.5	1574.1	1561.7	1559.2
25°	1728.6	1722.3	1711.1	1726.1	1733.6	1744.8	1716.1	1706.2	1663.8	1645.1	1646.4
27.5°	1809.5	1818.2	1830.7	1836.9	1855.6	1851.9	1831.9	1799.6	1767.2	1746.0	1732.3
30°	1920.4	1925.3	1946.5	1955.2	1987.6	1996.3	1965.2	1927.8	1870.5	1843.1	1827.0
32.5°	2022.5	2057.4	2056.1	2099.7	2152.0	2188.1	2132.1	2074.8	2017.5	1985.1	1956.5
35°	2188.1	2181.9	2218.0	2264.1	2348.8	2389.9	2328.8	2262.8	2175.7	2123.4	2100.9
37.5°	2342.5	2345.0	2393.6	2467.1	2564.2	2627.7	2574.2	2465.8	2376.2	2308.9	2277.8
40°	2566.7	2571.7	2621.5	2704.9	2814.5	2883.0	2820.8	2711.2	2591.6	2539.3	2539.3
42.5°	2829.5	2850.7	2883.0	2955.3	3053.6	3129.6	3073.6	2987.6	2866.8	2799.6	2809.6
45°	3099.7	3109.7	3130.9	3238.0	3284.0	3321.4	3269.1	3229.2	3148.3	3066.1	3052.4
47.5°	3352.5	3356.3	3418.5	3452.2	3488.3	3457.2	3490.8	3438.5	3347.6	3267.9	3251.7
50°	3464.6	3458.4	3546.8	3648.9	3676.3	3621.5	3592.9	3558.0	3419.8	3323.9	3281.6
52.5°	3138.3	3174.5	3338.8	3622.8	3837.0	3883.1	3716.2	3555.5	3297.7	3110.9	3082.3
54°	2764.7	2798.3	2934.1	3355.0	3800.9	3956.5	3687.5	3346.3	2982.7	2761.0	2732.3
55°	2394.8	2357.5	2604.1	3033.7	3631.5	3891.8	3574.2	3076.1	2660.1	2457.1	2417.3
57.5°	1296.4	1302.7	1510.6	1916.6	2551.8	2983.9	2635.2	2081.0	1571.7	1343.8	1323.8
60°	411.0	420.9	511.8	774.6	1219.2	1455.8	1247.9	835.6	577.9	463.3	444.6
62.5°	128.3	133.3	145.7	216.7	333.8	477.0	373.6	224.2	166.9	153.2	155.7
65°	78.5	78.5	79.7	84.7	99.6	115.8	112.1	98.4	94.6	92.2	90.9
67.5°	51.1	49.8	52.3	56.0	58.5	59.8	63.5	67.3	66.0	63.5	63.5
70°	31.1	29.9	32.4	37.4	38.6	41.1	44.8	49.8	48.6	46.1	47.3
72.5°	17.4	17.4	18.7	22.4	26.2	28.6	32.4	36.1	37.4	36.1	36.1
75°	6.2	7.5	10.0	13.7	16.2	19.9	23.7	27.4	31.1	28.6	27.4
77.5°	2.5	2.5	5.0	8.7	12.5	16.2	22.4	26.2	28.6	26.2	23.7
80°	1.2	1.2	3.7	7.5	11.2	14.9	18.7	22.4	23.7	21.2	18.7
82.5°	1.2	1.2	3.7	7.5	11.2	13.7	19.9	22.4	24.9	22.4	18.7
85°	0.0	1.2	3.7	7.5	10.0	11.2	11.2	7.5	6.2	3.7	3.7
87.5°	0.0	0.0	1.2	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)