

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: P527631

Luminaire Tested: **GALN-SA2C-830-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527631
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-SA2C-830-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7260 lumens
Efficiency: N/A
Efficacy: 67.2 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): 108
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

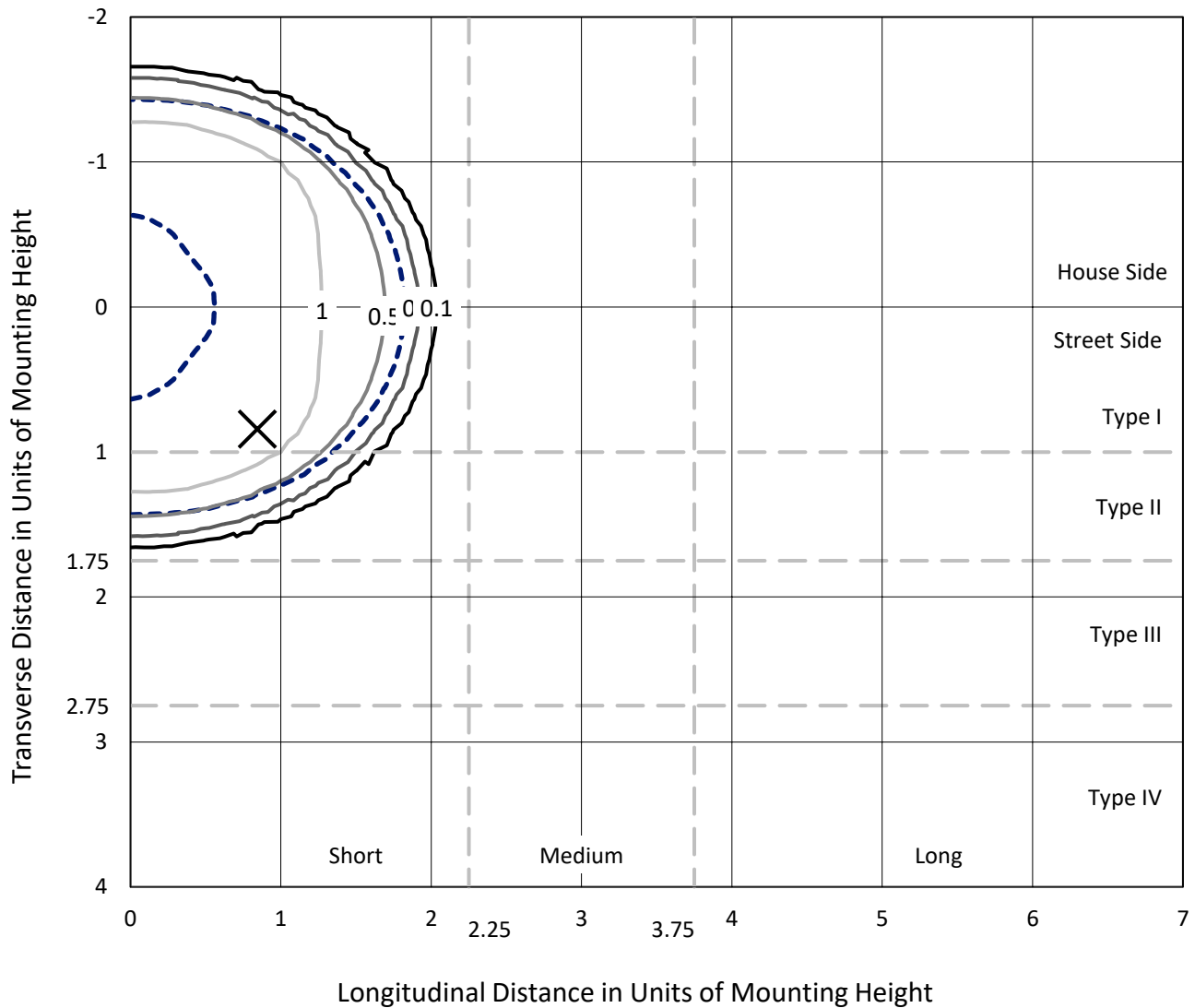


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

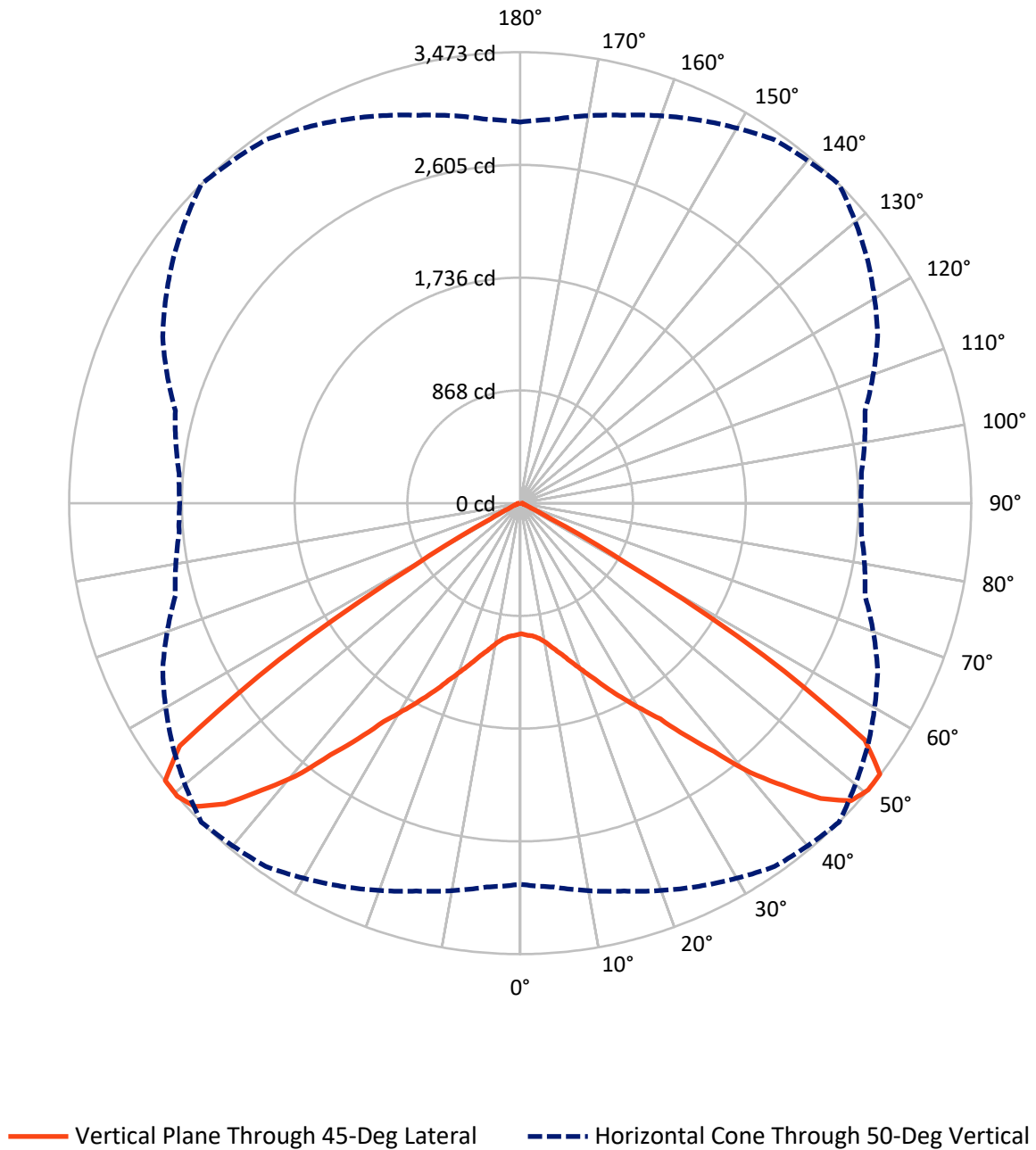


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3630.0	0.0	3630.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3630.0	0.0	3630.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7260.0	0.0	7260.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.1	1.4
10°-20°	345.1	4.8
20°-30°	704.9	9.7
30°-40°	1344.2	18.5
40°-50°	2265.1	31.2
50°-60°	2160.2	29.8
60°-70°	301.6	4.2
70°-80°	28.8	0.4
80°-90°	10.0	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°	7260.0	100.0
0°-180°	7260.0	100.0

Coefficient of Utilization



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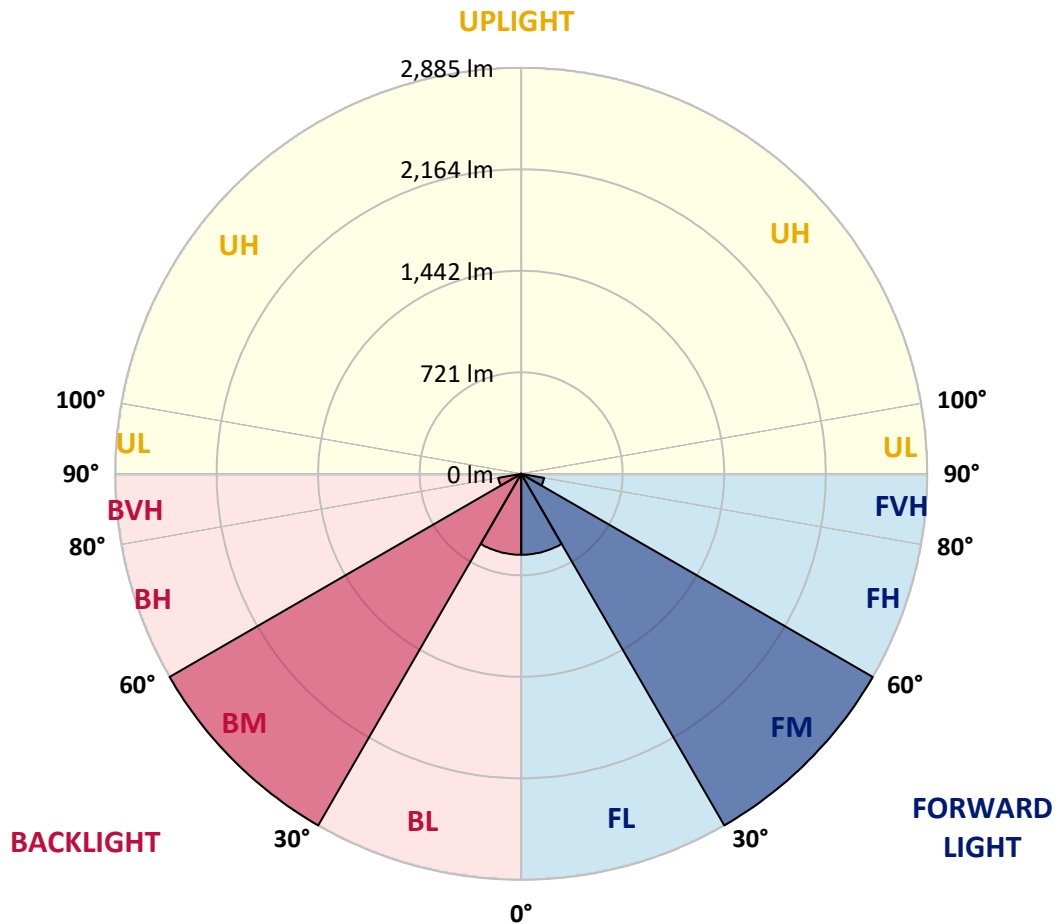
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	575.1	7.9			
FM	(30°-60°)	2884.8	39.7			
FH	(60°-80°)	165.2	2.3			G0/660
FVH	(80°-90°)	5.0	0.1			G0/10
BL	(0°-30°)	575.1	7.9	B2/1000		
BM	(30°-60°)	2884.8	39.7	B3/5000		
BH	(60°-80°)	165.2	2.3	B1/500		G0/660
BVH	(80°-90°)	5.0	0.1			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°	1006.5	1006.5	1006.5	1006.5	1006.5	1006.5	1006.5	1006.5	1006.5	1006.5	1006.5
2.5°	1002.9	1002.9	1001.6	1011.4	1006.5	1017.5	1016.3	1020.0	1023.6	1022.4	1032.2
5°	994.3	993.1	993.1	1004.1	1015.1	1027.3	1038.3	1045.6	1057.8	1057.8	1070.0
7.5°	1002.9	996.7	1005.3	1010.2	1030.9	1051.7	1070.0	1084.7	1112.8	1122.6	1118.9
10°	1005.3	1012.6	1018.7	1033.4	1059.0	1090.8	1106.7	1143.3	1175.1	1197.1	1202.0
12.5°	1021.2	1032.2	1049.3	1084.7	1107.9	1149.4	1171.4	1206.8	1250.8	1275.2	1292.4
15°	1051.7	1055.4	1077.4	1122.6	1172.6	1210.5	1244.7	1270.4	1313.1	1341.2	1342.4
17.5°	1090.8	1106.7	1137.2	1180.0	1232.5	1288.7	1315.6	1343.7	1359.5	1397.4	1406.0
20°	1169.0	1171.4	1200.7	1256.9	1322.9	1374.2	1393.7	1408.4	1402.3	1441.4	1448.7
22.5°	1242.3	1244.7	1281.4	1357.1	1427.9	1471.9	1480.5	1471.9	1453.6	1481.7	1484.1
25°	1316.8	1338.8	1365.6	1441.4	1529.3	1588.0	1589.2	1566.0	1528.1	1533.0	1545.2
27.5°	1432.8	1448.7	1476.8	1546.4	1642.9	1708.9	1697.9	1669.8	1620.9	1624.6	1620.9
30°	1568.4	1583.1	1606.3	1695.4	1766.3	1838.4	1854.2	1827.4	1754.1	1738.2	1756.5
32.5°	1732.1	1752.9	1795.6	1877.5	1937.3	1981.3	1992.3	1982.5	1914.1	1908.0	1920.2
35°	1931.2	1959.3	1998.4	2070.4	2119.3	2198.7	2198.7	2165.7	2103.4	2110.8	2109.5
37.5°	2141.3	2182.8	2243.9	2317.2	2383.2	2425.9	2412.5	2384.4	2322.1	2306.2	2322.1
40°	2405.1	2425.9	2502.9	2598.1	2678.8	2727.6	2670.2	2609.1	2460.1	2483.3	2526.1
42.5°	2645.8	2678.8	2737.4	2842.4	2934.1	2974.4	2906.0	2785.0	2605.5	2587.1	2618.9
45°	2851.0	2886.4	2963.4	3113.6	3210.1	3245.5	3094.1	2898.6	2693.4	2647.0	2660.4
47.5°	2987.8	3006.1	3113.6	3256.5	3344.5	3425.1	3207.7	2976.8	2734.9	2647.0	2642.1
50°	2935.3	2967.0	3092.8	3255.3	3415.3	3472.7	3265.1	3036.7	2748.4	2636.0	2621.3
52.5°	2606.7	2661.7	2802.1	3020.8	3262.6	3467.8	3344.5	3017.1	2743.5	2647.0	2669.0
55°	1813.9	1815.2	1986.2	2308.6	2736.2	3219.9	3228.4	3039.1	2775.3	2715.4	2716.6
57.5°	729.2	765.9	896.6	1220.3	1614.8	2210.9	2628.7	2819.2	2778.9	2764.3	2802.1
60°	184.4	185.7	226.0	344.5	568.0	947.9	1376.6	1862.8	2145.0	2241.5	2254.9
62.5°	94.1	95.3	105.0	122.2	155.1	254.1	452.0	717.0	1020.0	1173.9	1214.2
65°	77.0	77.0	83.1	91.6	92.8	97.7	117.3	167.3	243.1	276.1	279.7
67.5°	58.6	58.6	63.5	68.4	70.8	69.6	67.2	69.6	84.3	80.6	78.2
70°	36.6	37.9	40.3	45.2	47.6	48.9	50.1	52.5	59.9	62.3	59.9
72.5°	22.0	22.0	23.2	26.9	30.5	33.0	36.6	39.1	42.8	48.9	47.6
75°	9.8	9.8	12.2	15.9	19.5	23.2	26.9	30.5	33.0	36.6	37.9
77.5°	2.4	3.7	6.1	11.0	14.7	19.5	24.4	28.1	30.5	30.5	29.3
80°	1.2	1.2	4.9	8.6	15.9	20.8	26.9	29.3	33.0	30.5	26.9
82.5°	1.2	1.2	4.9	8.6	14.7	20.8	28.1	31.8	34.2	30.5	25.7
85°	0.0	1.2	3.7	7.3	12.2	14.7	12.2	8.6	4.9	4.9	3.7
87.5°	0.0	0.0	1.2	1.2	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)