

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: P527865

Luminaire Tested: **GALN-SA2D-830-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527865
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-SA2D-830-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 1200mA 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: 7989 lumens
Efficiency: N/A
Efficacy: 63.9 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): 125
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



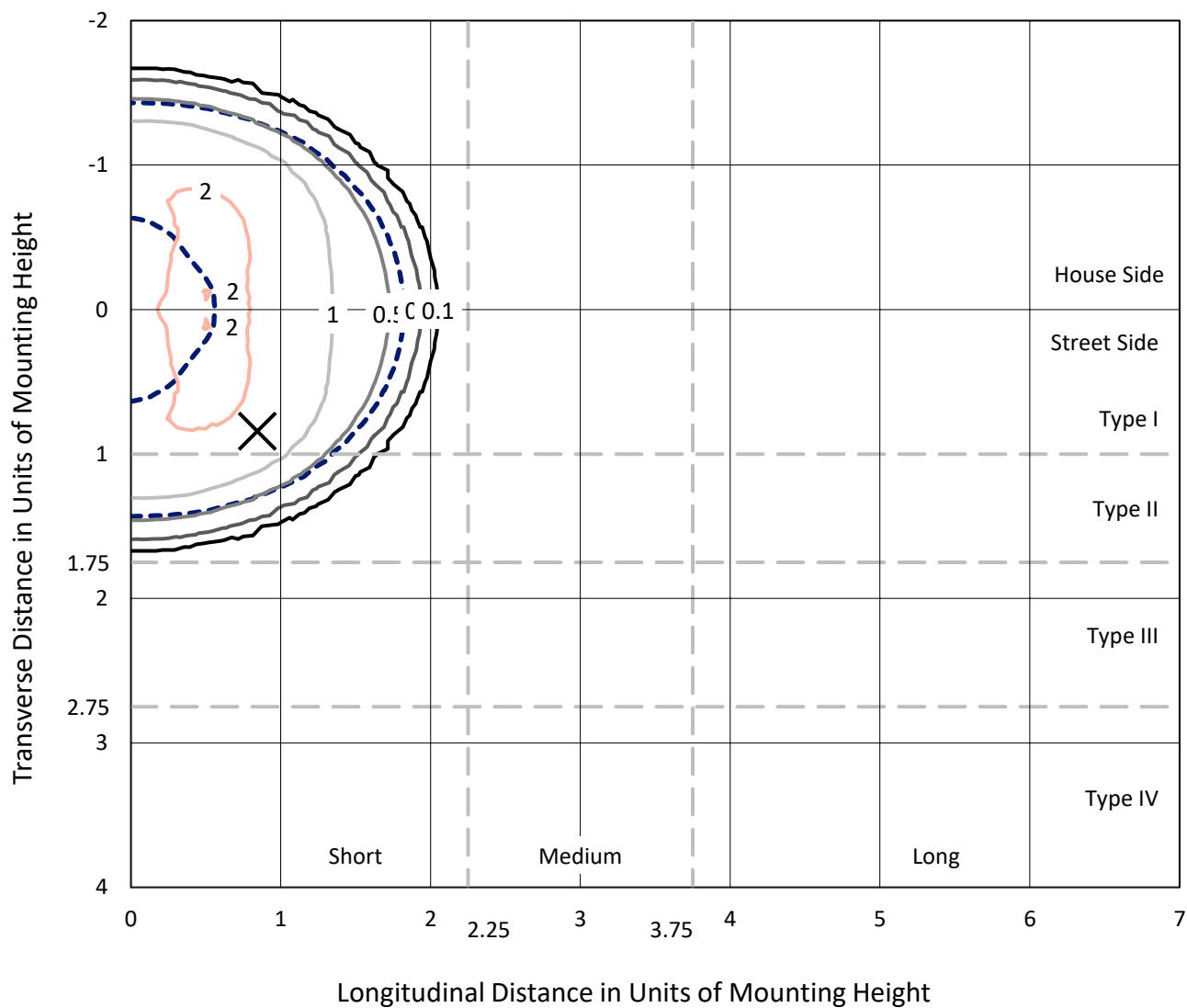
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

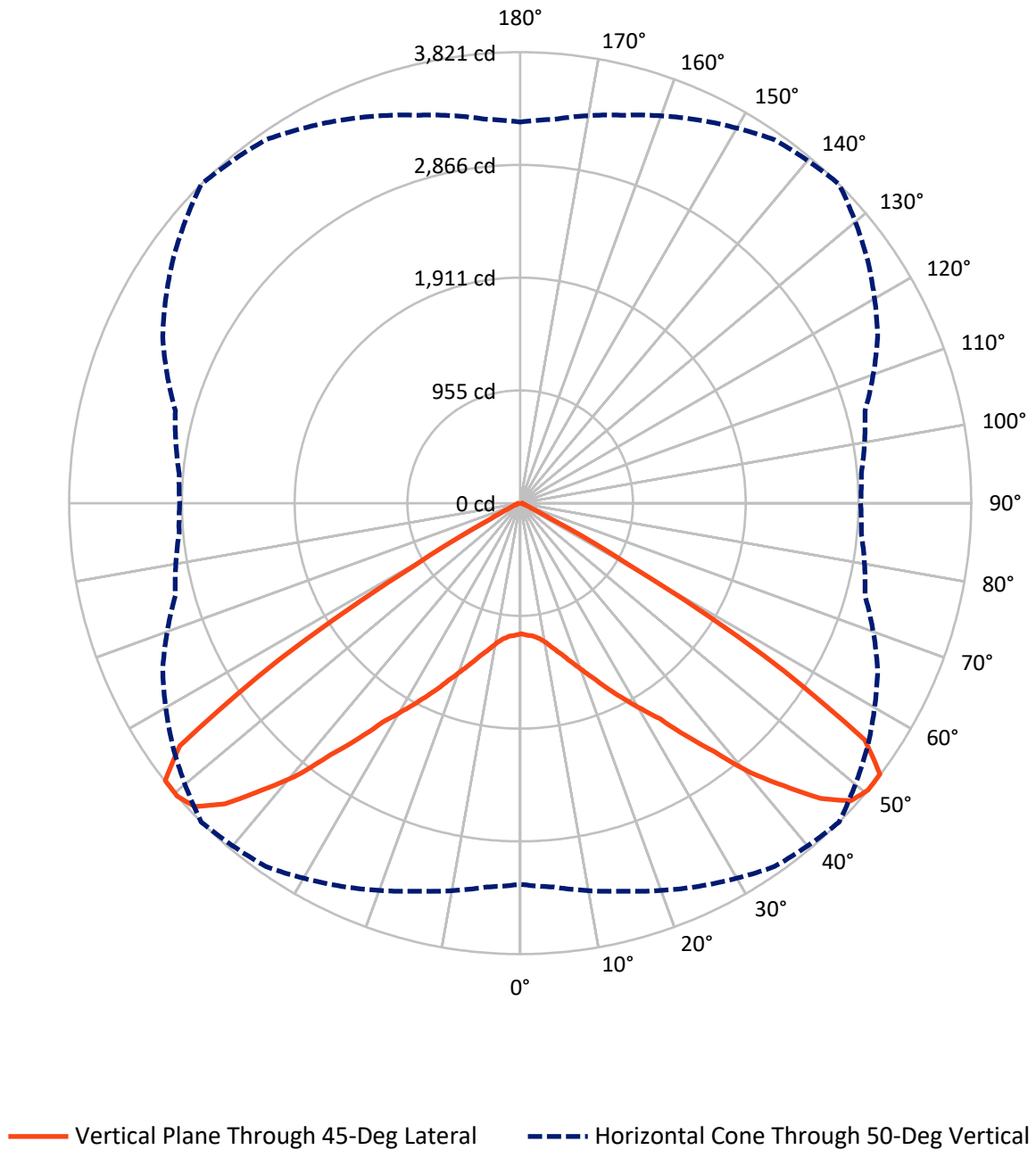


Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3994.5	0.0	3994.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3994.5	0.0	3994.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7989.0	0.0	7989.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.2	1.4
10°-20°	379.8	4.8
20°-30°	775.6	9.7
30°-40°	1479.1	18.5
40°-50°	2492.6	31.2
50°-60°	2377.1	29.8
60°-70°	331.8	4.2
70°-80°	31.7	0.4
80°-90°	11.0	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°	7989.0	100.0
0°-180°	7989.0	100.0

Coefficient of Utilization



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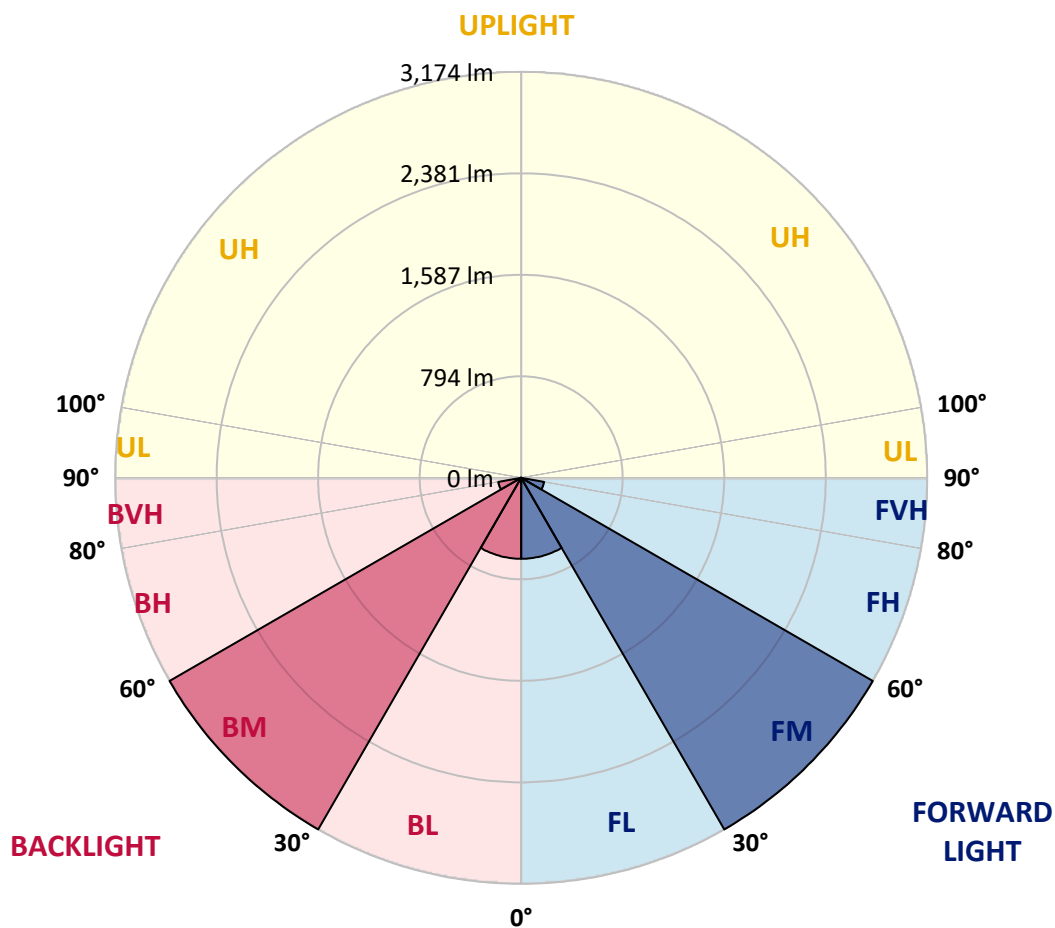
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	632.8	7.9			
FM	(30°-60°)	3174.4	39.7			
FH	(60°-80°)	181.8	2.3			G0/660
FVH	(80°-90°)	5.5	0.1			G0/10
BL	(0°-30°)	632.8	7.9	B2/1000		
BM	(30°-60°)	3174.4	39.7	B3/5000		
BH	(60°-80°)	181.8	2.3	B1/500		G0/660
BVH	(80°-90°)	5.5	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°	1107.6	1107.6	1107.6	1107.6	1107.6	1107.6	1107.6	1107.6	1107.6	1107.6	1107.6
2.5°	1103.6	1103.6	1102.2	1113.0	1107.6	1119.7	1118.3	1122.4	1126.4	1125.1	1135.8
5°	1094.1	1092.8	1092.8	1104.9	1117.0	1130.4	1142.5	1150.6	1164.0	1164.0	1177.5
7.5°	1103.6	1096.8	1106.2	1111.6	1134.5	1157.3	1177.5	1193.6	1224.5	1235.3	1231.2
10°	1106.2	1114.3	1121.0	1137.2	1165.4	1200.3	1217.8	1258.1	1293.1	1317.3	1322.7
12.5°	1123.7	1135.8	1154.6	1193.6	1219.2	1264.9	1289.0	1328.0	1376.4	1403.3	1422.1
15°	1157.3	1161.4	1185.5	1235.3	1290.4	1332.1	1369.7	1397.9	1445.0	1475.9	1477.2
17.5°	1200.3	1217.8	1251.4	1298.5	1356.3	1418.1	1447.7	1478.6	1496.0	1537.7	1547.1
20°	1286.4	1289.0	1321.3	1383.1	1455.7	1512.2	1533.7	1549.8	1543.1	1586.1	1594.2
22.5°	1367.0	1369.7	1410.0	1493.4	1571.3	1619.7	1629.1	1619.7	1599.5	1630.5	1633.2
25°	1449.0	1473.2	1502.8	1586.1	1682.9	1747.4	1748.8	1723.2	1681.5	1686.9	1700.4
27.5°	1576.7	1594.2	1625.1	1701.7	1807.9	1880.5	1868.4	1837.5	1783.7	1787.7	1783.7
30°	1725.9	1742.0	1767.6	1865.7	1943.7	2023.0	2040.4	2010.9	1930.2	1912.7	1932.9
32.5°	1906.0	1928.9	1975.9	2066.0	2131.8	2180.2	2192.3	2181.6	2106.3	2099.6	2113.0
35°	2125.1	2156.0	2199.0	2278.3	2332.1	2419.5	2419.5	2383.2	2314.6	2322.7	2321.4
37.5°	2356.3	2402.0	2469.2	2549.9	2622.5	2669.5	2654.7	2623.8	2555.2	2537.8	2555.2
40°	2646.6	2669.5	2754.2	2859.0	2947.7	3001.5	2938.3	2871.1	2707.1	2732.7	2779.7
42.5°	2911.4	2947.7	3012.3	3127.9	3228.7	3273.0	3197.8	3064.7	2867.1	2846.9	2881.9
45°	3137.3	3176.2	3260.9	3426.3	3532.4	3571.4	3404.8	3189.7	2963.9	2912.8	2927.6
47.5°	3287.8	3308.0	3426.3	3583.5	3680.3	3769.0	3529.8	3275.7	3009.6	2912.8	2907.4
50°	3230.0	3265.0	3403.4	3582.2	3758.3	3821.4	3592.9	3341.6	3024.4	2900.7	2884.6
52.5°	2868.4	2928.9	3083.5	3324.1	3590.2	3816.1	3680.3	3320.1	3019.0	2912.8	2937.0
55°	1996.1	1997.4	2185.6	2540.5	3010.9	3543.2	3552.6	3344.3	3053.9	2988.1	2989.4
57.5°	802.5	842.8	986.6	1342.8	1777.0	2432.9	2892.6	3102.3	3058.0	3041.8	3083.5
60°	203.0	204.3	248.7	379.1	625.0	1043.1	1514.9	2049.8	2360.3	2466.5	2481.3
62.5°	103.5	104.8	115.6	134.4	170.7	279.6	497.3	789.0	1122.4	1291.7	1336.1
65°	84.7	84.7	91.4	100.8	102.2	107.5	129.0	184.1	267.5	303.8	307.8
67.5°	64.5	64.5	69.9	75.3	78.0	76.6	73.9	76.6	92.7	88.7	86.0
70°	40.3	41.7	44.4	49.7	52.4	53.8	55.1	57.8	65.9	68.6	65.9
72.5°	24.2	24.2	25.5	29.6	33.6	36.3	40.3	43.0	47.0	53.8	52.4
75°	10.8	10.8	13.4	17.5	21.5	25.5	29.6	33.6	36.3	40.3	41.7
77.5°	2.7	4.0	6.7	12.1	16.1	21.5	26.9	30.9	33.6	33.6	32.3
80°	1.3	1.3	5.4	9.4	17.5	22.9	29.6	32.3	36.3	33.6	29.6
82.5°	1.3	1.3	5.4	9.4	16.1	22.9	30.9	34.9	37.6	33.6	28.2
85°	0.0	1.3	4.0	8.1	13.4	16.1	13.4	9.4	5.4	5.4	4.0
87.5°	0.0	0.0	1.3	1.3	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)