

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: P527866

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527866
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
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-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10832 lumens
Efficiency: N/A
Efficacy: 86.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

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

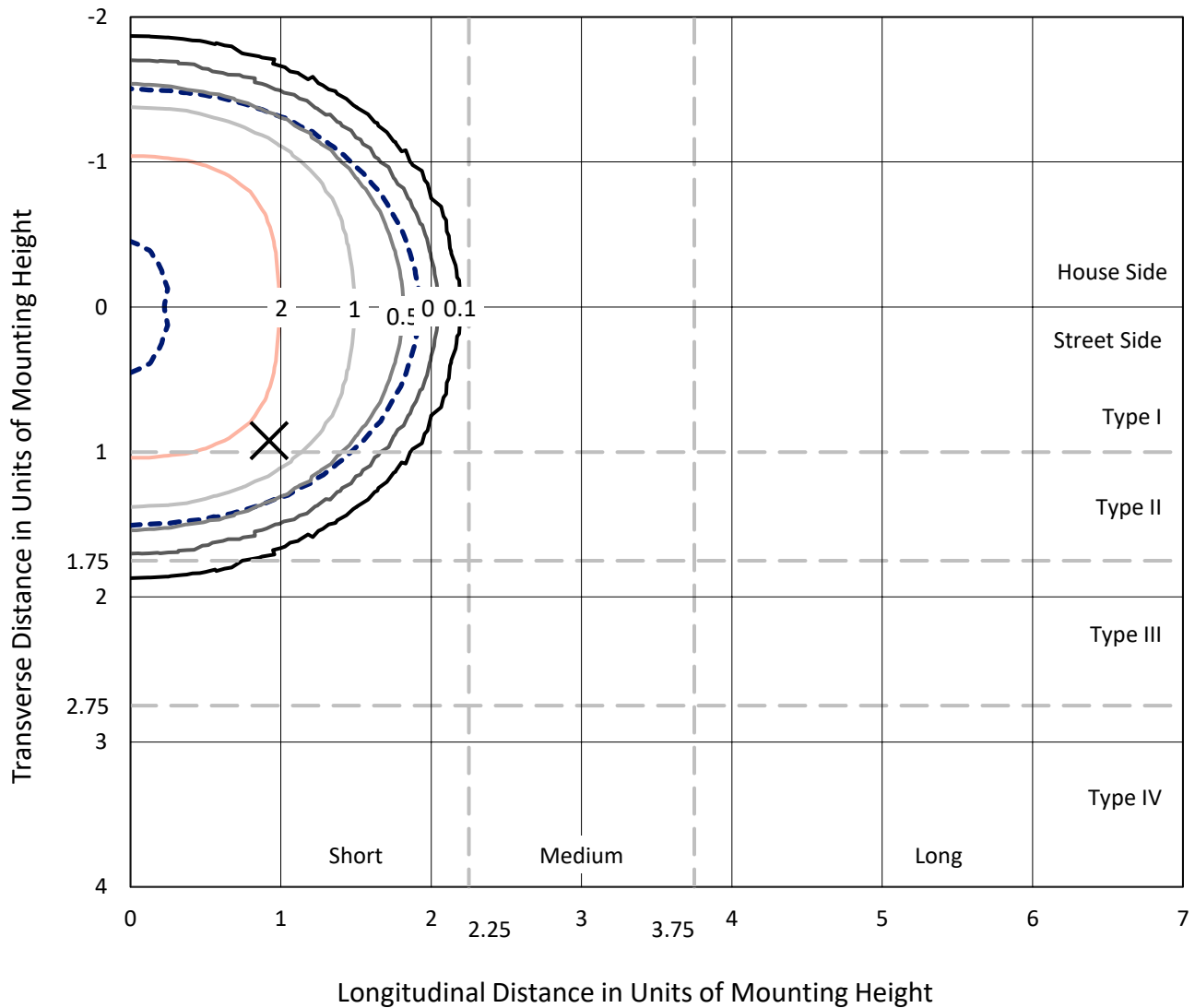


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Iso-Footcandle Lines of Horizontal Illumination

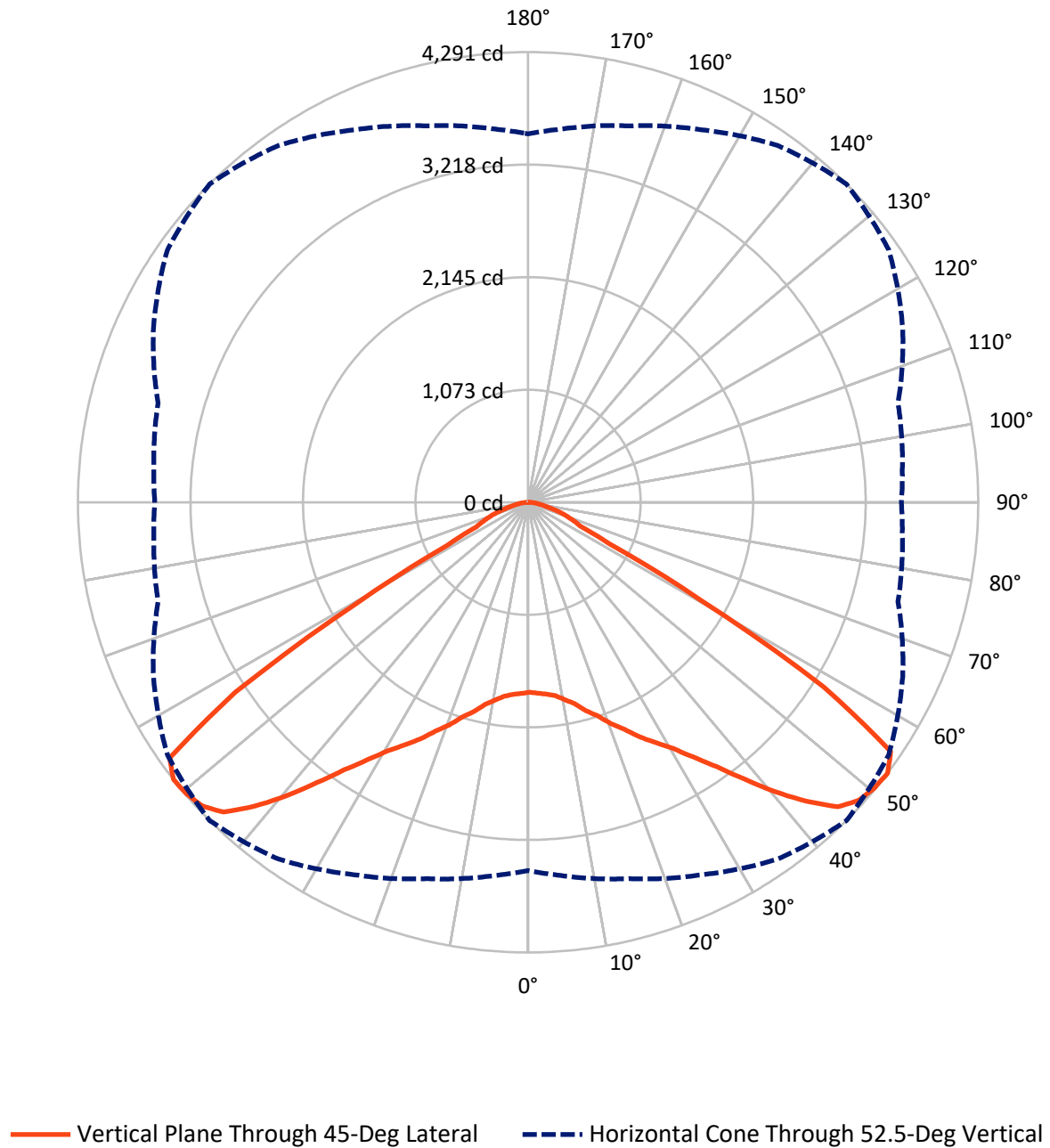
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 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	5416.0	0.0	5416.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5416.0	0.0	5416.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10832.0	0.0	10832.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.9	1.6
10°-20°	584.6	5.4
20°-30°	1112.9	10.3
30°-40°	1911.0	17.6
40°-50°	2937.2	27.1
50°-60°	2982.7	27.5
60°-70°	831.2	7.7
70°-80°	245.2	2.3
80°-90°	49.4	0.5
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°	10832.0	100.0
0°-180°	10832.0	100.0

Coefficient of Utilization



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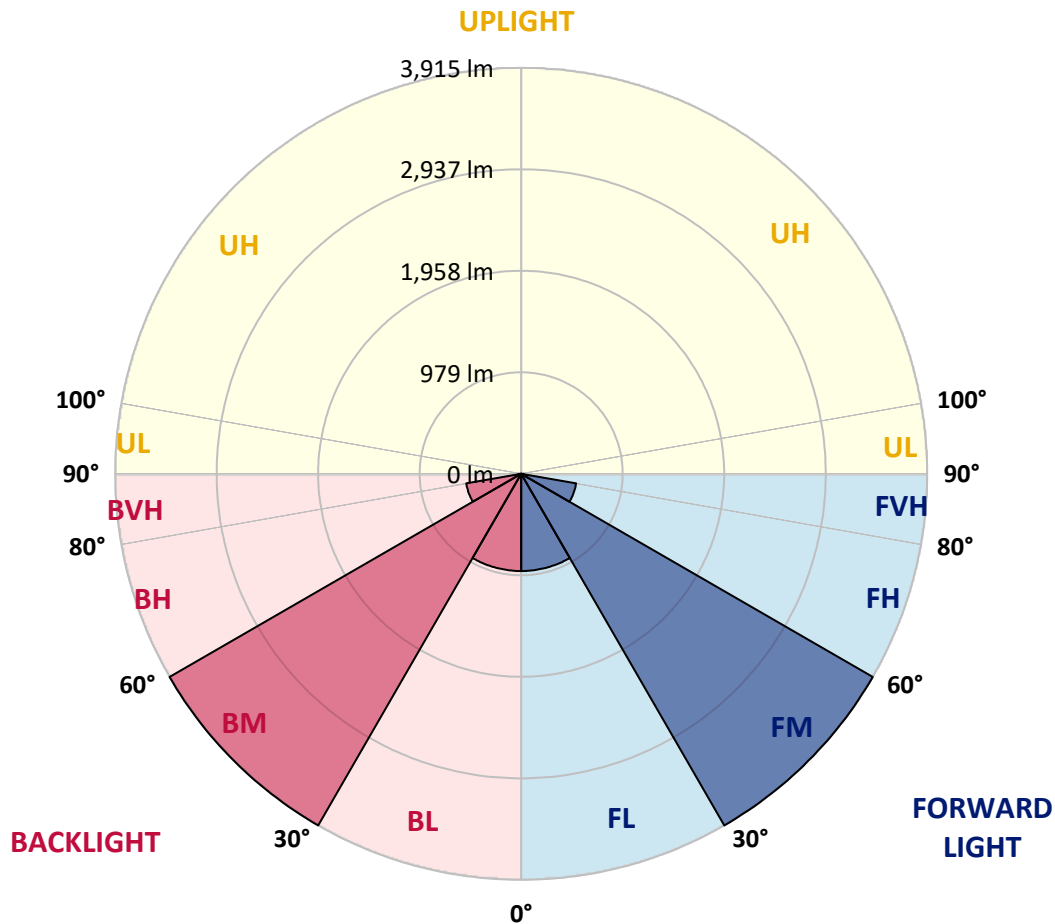
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	937.7	8.7			
FM	(30°-60°)	3915.4	36.1			
FH	(60°-80°)	538.2	5.0			G0/660
FVH	(80°-90°)	24.7	0.2			G1/100
BL	(0°-30°)	937.7	8.7	B2/1000		
BM	(30°-60°)	3915.4	36.1	B3/5000		
BH	(60°-80°)	538.2	5.0	B2/1000		G0/660
BVH	(80°-90°)	24.7	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1810.7	1810.7	1810.7	1810.7	1810.7	1810.7	1810.7	1810.7	1810.7	1810.7	1810.7
2.5°	1814.7	1795.9	1802.6	1806.7	1824.2	1822.8	1818.8	1824.2	1829.5	1830.9	1828.2
5°	1813.4	1800.0	1805.3	1809.4	1826.8	1836.3	1833.6	1856.4	1872.5	1868.5	1888.7
7.5°	1802.6	1810.7	1804.0	1824.2	1838.9	1861.8	1886.0	1907.5	1927.7	1950.5	1954.5
10°	1826.8	1826.8	1838.9	1855.1	1894.1	1911.5	1946.5	1977.4	2016.4	2043.3	2032.5
12.5°	1852.4	1856.4	1856.4	1898.1	1930.4	1969.3	2001.6	2043.3	2098.4	2130.6	2146.8
15°	1877.9	1880.6	1894.1	1950.5	1998.9	2060.7	2090.3	2128.0	2158.9	2219.4	2220.7
17.5°	1900.8	1915.6	1955.9	2019.1	2079.6	2138.7	2185.8	2224.7	2251.6	2275.8	2270.4
20°	1986.8	1997.6	2039.2	2102.4	2192.5	2250.3	2266.4	2273.1	2290.6	2339.0	2324.2
22.5°	2070.2	2074.2	2113.2	2210.0	2273.1	2349.8	2367.2	2363.2	2369.9	2382.0	2403.5
25°	2156.2	2162.9	2216.7	2298.7	2387.4	2478.8	2493.6	2462.7	2453.3	2466.7	2468.1
27.5°	2266.4	2267.8	2336.3	2407.6	2508.4	2594.4	2617.3	2593.1	2548.7	2559.5	2576.9
30°	2406.2	2396.8	2465.4	2567.5	2673.7	2722.1	2761.1	2749.0	2700.6	2691.2	2676.4
32.5°	2567.5	2570.2	2632.1	2743.6	2813.5	2894.2	2935.9	2915.7	2884.8	2868.6	2878.1
35°	2794.7	2806.8	2848.5	2941.2	3054.1	3094.5	3160.3	3117.3	3036.7	3056.8	3074.3
37.5°	2981.6	3016.5	3094.5	3204.7	3271.9	3345.9	3370.0	3312.2	3253.1	3228.9	3286.7
40°	3267.9	3257.1	3343.2	3453.4	3552.9	3626.8	3595.9	3538.1	3391.6	3392.9	3409.0
42.5°	3513.9	3519.3	3585.1	3716.9	3852.6	3898.3	3800.2	3659.1	3496.4	3478.9	3513.9
45°	3720.9	3742.4	3780.0	3956.1	4089.2	4139.0	3957.5	3790.8	3573.0	3500.4	3558.2
47.5°	3794.8	3829.8	3911.8	4073.1	4204.8	4245.2	4100.0	3860.7	3644.3	3526.0	3556.9
50°	3805.6	3793.5	3927.9	4075.8	4191.4	4278.8	4151.1	3911.8	3626.8	3565.0	3555.6
52.5°	3511.2	3570.3	3714.2	3917.2	4151.1	4290.9	4196.8	3940.0	3651.0	3581.1	3558.2
55°	2841.8	2771.9	3034.0	3375.4	3805.6	4194.1	4180.6	3954.8	3665.8	3608.0	3577.1
57.5°	1586.2	1606.4	1754.3	2125.3	2680.4	3325.7	3716.9	3798.9	3659.1	3625.5	3641.6
60°	734.0	740.7	803.9	977.3	1321.4	1886.0	2400.8	2923.8	3164.4	3212.8	3212.8
62.5°	547.1	544.4	560.6	591.5	664.1	867.0	1157.4	1572.8	1903.5	2134.7	2195.2
65°	494.7	493.3	501.4	512.2	517.5	545.8	610.3	738.0	845.5	907.4	896.6
67.5°	432.9	431.5	434.2	440.9	450.3	465.1	481.2	508.1	545.8	543.1	536.4
70°	349.5	349.5	353.5	358.9	369.7	387.1	406.0	424.8	457.0	463.8	462.4
72.5°	258.1	254.1	262.1	272.9	283.6	305.1	325.3	342.8	365.6	372.4	369.7
75°	164.0	166.7	172.1	184.2	203.0	217.8	239.3	254.1	268.9	274.2	275.6
77.5°	91.4	94.1	103.5	118.3	137.1	153.2	172.1	184.2	193.6	194.9	196.3
80°	55.1	56.5	65.9	79.3	95.4	112.9	127.7	139.8	147.9	143.8	142.5
82.5°	33.6	35.0	43.0	55.1	68.6	82.0	98.1	108.9	117.0	111.6	106.2
85°	17.5	18.8	25.5	33.6	44.4	51.1	51.1	45.7	44.4	41.7	40.3
87.5°	5.4	5.4	6.7	8.1	6.7	8.1	9.4	10.8	10.8	12.1	10.8
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)