

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: P527862

Luminaire Tested: **GALN-SA2D-830-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527862
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
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-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10488 lumens
Efficiency: N/A
Efficacy: 83.9 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

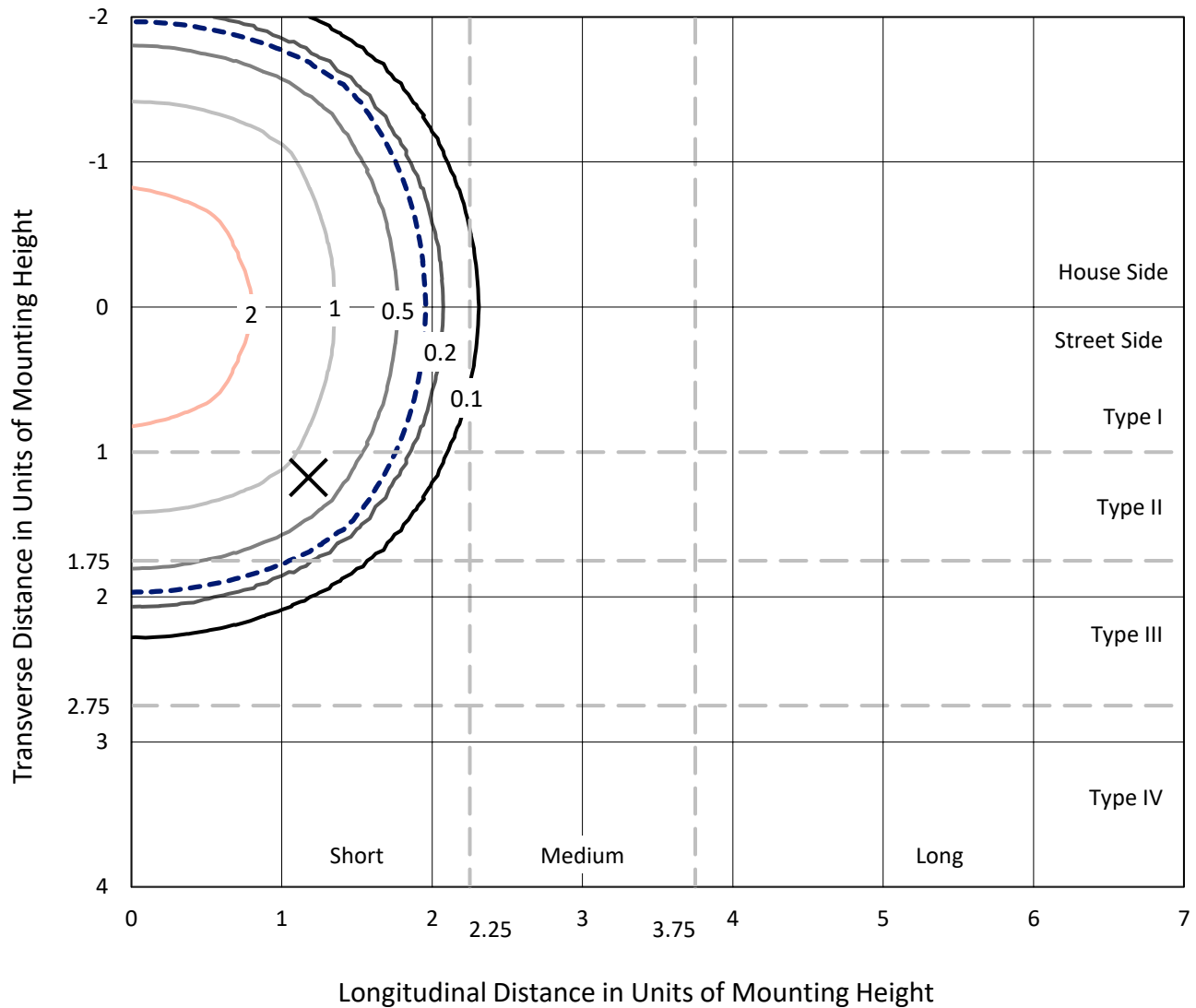


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

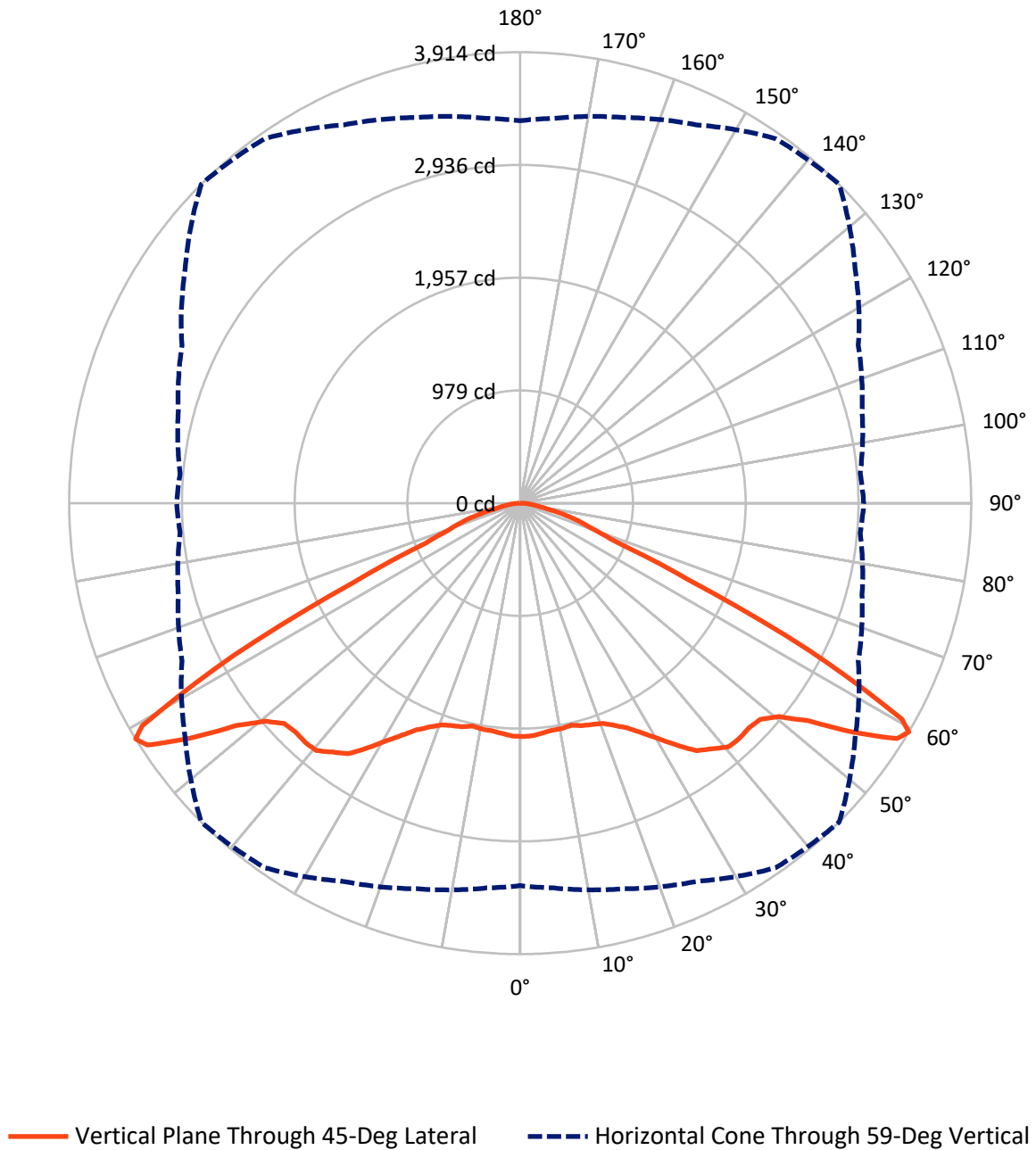


Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5244.0	0.0	5244.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5244.0	0.0	5244.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10488.0	0.0	10488.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.0	1.8
10°-20°	567.9	5.4
20°-30°	991.6	9.5
30°-40°	1583.8	15.1
40°-50°	2157.4	20.6
50°-60°	2917.4	27.8
60°-70°	1599.9	15.3
70°-80°	409.3	3.9
80°-90°	69.8	0.7
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°	10488.0	100.0
0°-180°	10488.0	100.0

Coefficient of Utilization



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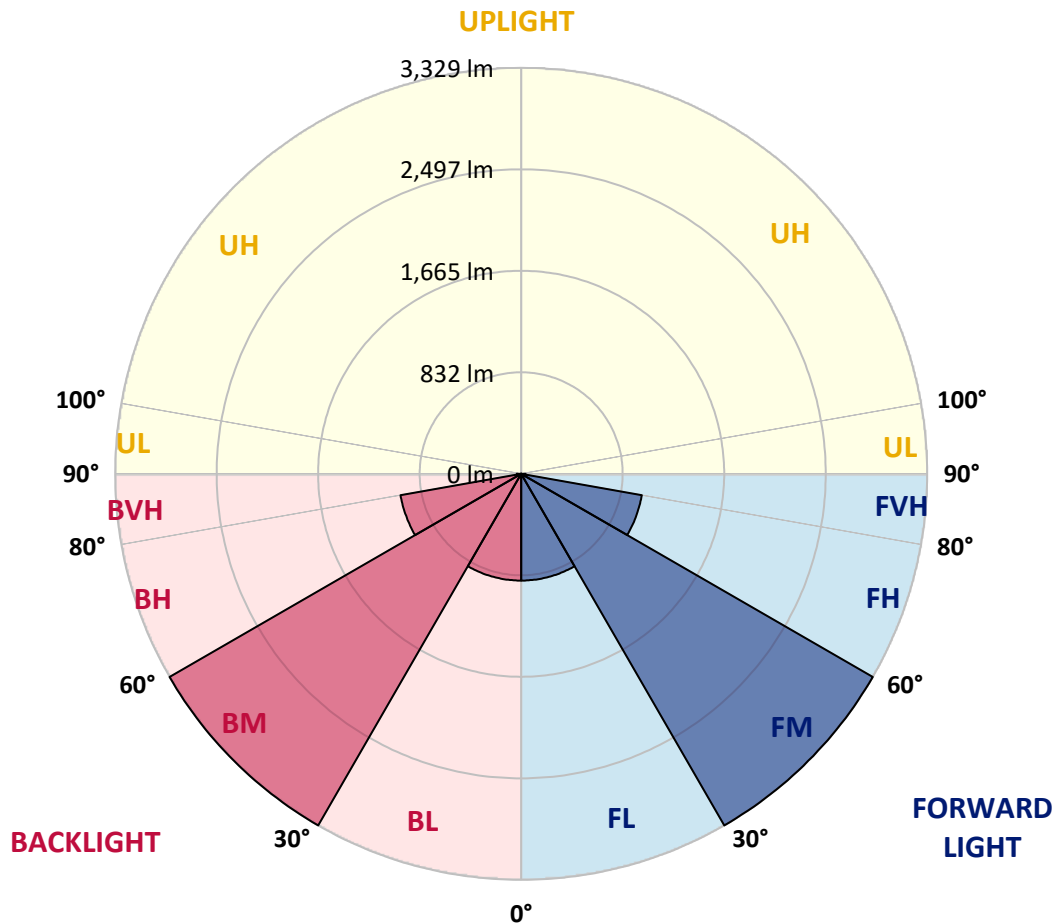
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	875.2	8.3			
FM	(30°-60°)	3329.3	31.7			
FH	(60°-80°)	1004.6	9.6			G1/1800
FVH	(80°-90°)	34.9	0.3			G1/100
BL	(0°-30°)	875.2	8.3	B2/1000		
BM	(30°-60°)	3329.3	31.7	B3/5000		
BH	(60°-80°)	1004.6	9.6	B3/2500		G1/1800
BVH	(80°-90°)	34.9	0.3			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°	2025.8	2025.8	2025.8	2025.8	2025.8	2025.8	2025.8	2025.8	2025.8	2025.8	2025.8
2.5°	2013.7	2028.5	2017.7	2027.1	2025.8	2021.7	2015.0	2011.0	2005.6	2013.7	2000.2
5°	2005.6	2017.7	2029.8	2013.7	2013.7	2005.6	2001.6	1993.5	1993.5	1992.2	1990.8
7.5°	2019.1	2007.0	2001.6	2004.3	2007.0	1989.5	2001.6	1985.5	1972.0	1981.4	1992.2
10°	2007.0	2012.3	1992.2	2001.6	1986.8	1989.5	1981.4	1992.2	1977.4	1977.4	1977.4
12.5°	2019.1	2004.3	2011.0	2004.3	2000.2	1977.4	1988.1	1976.0	1974.7	1988.1	1976.0
15°	2043.3	2019.1	2013.7	2000.2	2004.3	2004.3	1993.5	1994.9	1980.1	1988.1	1990.8
17.5°	2035.2	2021.7	2017.7	2001.6	2015.0	2019.1	1998.9	1985.5	1994.9	1993.5	1992.2
20°	2041.9	2047.3	2043.3	2045.9	2051.3	2040.6	2021.7	2002.9	1990.8	2008.3	2007.0
22.5°	2084.9	2079.5	2076.9	2074.2	2083.6	2094.3	2068.8	2039.2	2039.2	2051.3	2056.7
25°	2119.9	2118.5	2117.2	2129.3	2161.5	2161.5	2129.3	2091.6	2082.2	2090.3	2083.6
27.5°	2171.0	2185.7	2180.4	2201.9	2248.9	2259.7	2216.7	2172.3	2146.8	2137.4	2149.5
30°	2287.9	2270.4	2274.5	2297.3	2339.0	2373.9	2308.1	2261.0	2226.1	2224.7	2230.1
32.5°	2365.9	2379.3	2391.4	2412.9	2478.8	2505.7	2426.4	2349.7	2328.2	2316.1	2320.2
35°	2521.8	2509.7	2507.0	2528.5	2594.4	2638.8	2539.3	2472.1	2443.8	2470.7	2470.7
37.5°	2669.7	2636.1	2610.5	2638.8	2699.2	2704.6	2619.9	2583.6	2568.9	2599.8	2598.4
40°	2739.6	2736.9	2677.7	2693.9	2774.5	2782.6	2703.3	2660.3	2657.6	2697.9	2738.2
42.5°	2812.2	2786.6	2727.5	2738.2	2788.0	2790.7	2715.4	2703.3	2732.9	2771.8	2774.5
45°	2824.3	2802.8	2765.1	2738.2	2774.5	2782.6	2738.2	2746.3	2749.0	2796.0	2796.0
47.5°	2848.5	2845.8	2824.3	2804.1	2810.8	2804.1	2775.9	2788.0	2828.3	2851.1	2840.4
50°	2915.7	2887.4	2909.0	2891.5	2892.8	2911.6	2886.1	2898.2	2890.1	2870.0	2856.5
52.5°	3063.5	3050.1	3068.9	3081.0	3094.5	3137.5	3107.9	3043.4	2982.9	2929.1	2927.8
55°	3280.0	3289.4	3325.7	3387.5	3439.9	3508.5	3366.0	3211.4	3114.6	3029.9	3035.3
57.5°	3484.3	3477.6	3527.3	3668.4	3821.7	3856.6	3577.0	3356.6	3199.3	3145.5	3122.7
59°	3320.3	3352.6	3465.5	3622.7	3863.4	3914.4	3548.8	3238.3	3071.6	2962.7	2981.5
60°	3062.2	3074.3	3175.1	3394.2	3719.5	3806.9	3359.3	3055.5	2833.7	2770.5	2798.7
62.5°	2164.2	2154.8	2227.4	2406.2	2697.9	2816.2	2497.6	2283.9	2144.1	2074.2	2090.3
65°	1150.7	1193.7	1223.3	1334.8	1489.4	1614.4	1482.7	1390.0	1312.0	1254.2	1252.8
67.5°	777.0	771.6	778.3	803.9	856.3	891.2	888.5	841.5	834.8	824.0	836.1
70°	654.6	652.0	639.9	639.9	650.6	658.7	668.1	673.5	684.2	697.7	696.3
72.5°	531.0	524.3	516.2	512.2	525.6	529.6	541.7	547.1	556.5	555.2	567.3
75°	350.8	350.8	360.3	371.0	375.0	383.1	384.5	400.6	400.6	403.3	392.5
77.5°	196.3	190.9	197.6	208.4	217.8	232.6	247.3	259.4	266.2	263.5	263.5
80°	114.3	114.3	121.0	133.1	145.2	158.6	169.4	178.8	185.5	182.8	177.4
82.5°	71.2	71.2	78.0	90.1	99.5	107.5	122.3	134.4	142.5	139.8	133.1
85°	36.3	36.3	44.4	52.4	64.5	69.9	68.6	63.2	61.8	55.1	55.1
87.5°	9.4	9.4	13.4	14.8	12.1	13.4	13.4	13.4	13.4	13.4	14.8
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)