

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: P530205

Luminaire Tested: **GALN-SA5B-830-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530205
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-SA5B-830-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 3000K, 800mA 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: 14634 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 204
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



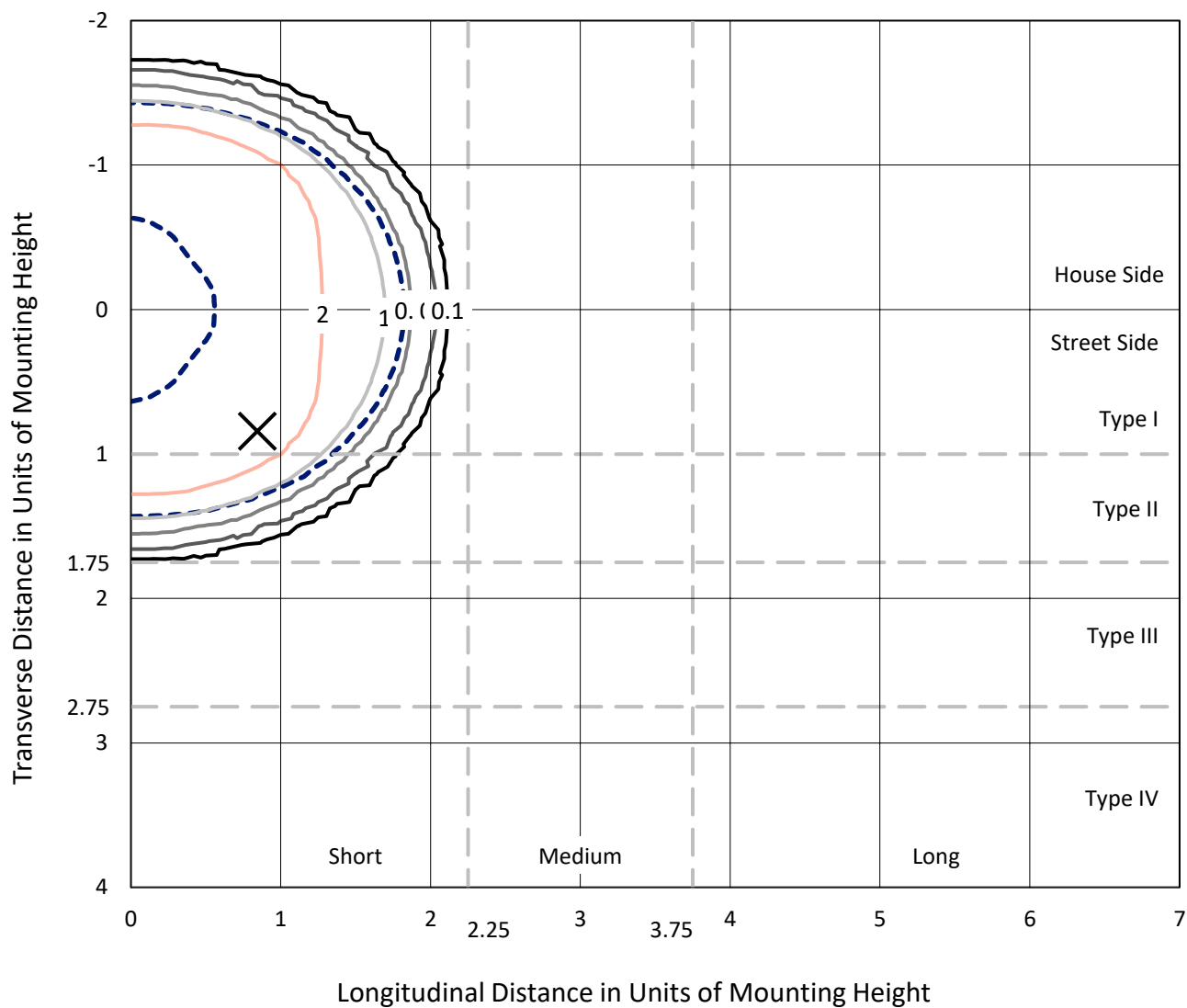
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

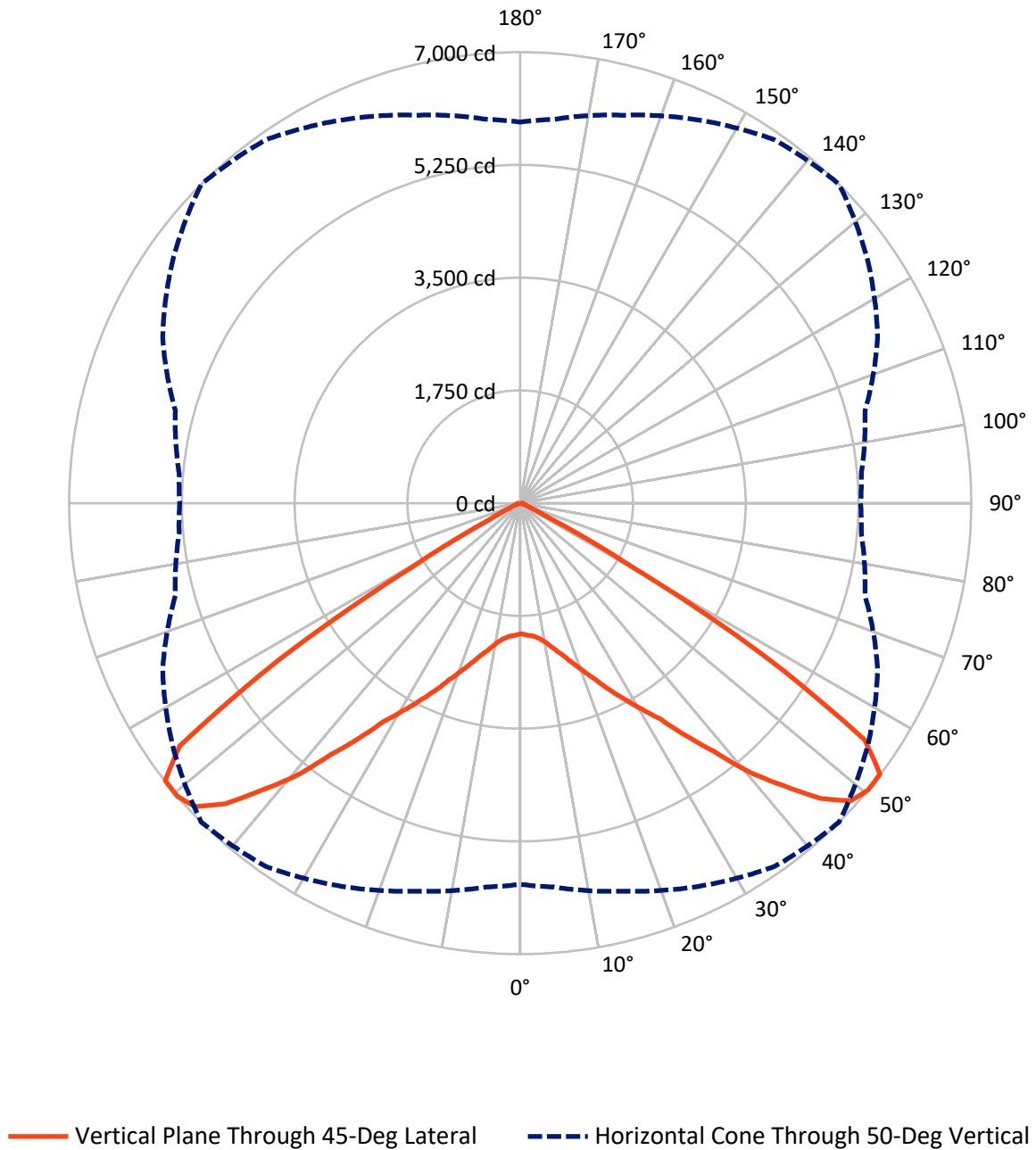


Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7317.0	0.0	7317.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7317.0	0.0	7317.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14634.0	0.0	14634.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.8	1.4
10°-20°	695.7	4.8
20°-30°	1420.8	9.7
30°-40°	2709.5	18.5
40°-50°	4565.8	31.2
50°-60°	4354.3	29.8
60°-70°	607.8	4.2
70°-80°	58.1	0.4
80°-90°	20.1	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°	14634.0	100.0
0°-180°	14634.0	100.0

Coefficient of Utilization



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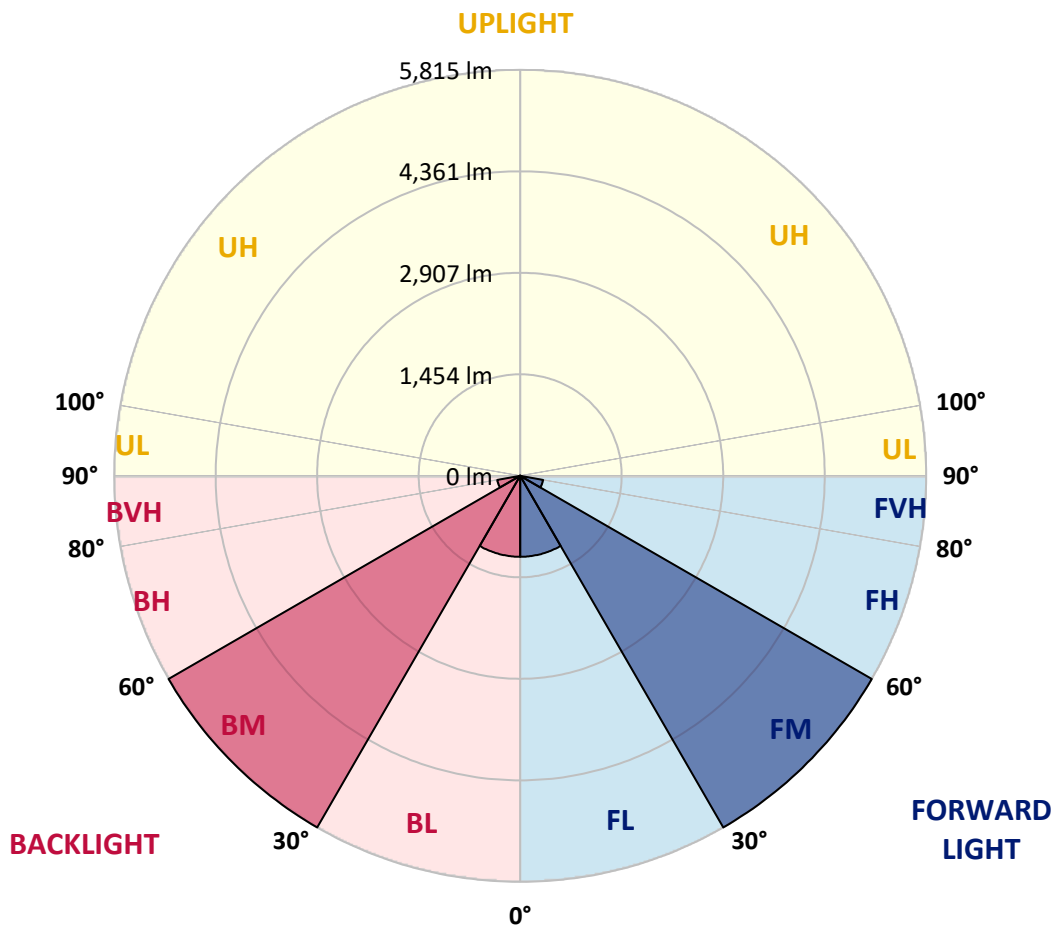
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1159.1	7.9			
FM	(30°-60°)	5814.8	39.7			
FH	(60°-80°)	333.0	2.3			G0/660
FVH	(80°-90°)	10.0	0.1			G1/100
BL	(0°-30°)	1159.1	7.9	B3/2500		
BM	(30°-60°)	5814.8	39.7	B4/8500		
BH	(60°-80°)	333.0	2.3	B1/500		G0/660
BVH	(80°-90°)	10.0	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2028.8	2028.8	2028.8	2028.8	2028.8	2028.8	2028.8	2028.8	2028.8	2028.8	2028.8
2.5°	2021.5	2021.5	2019.0	2038.7	2028.8	2051.0	2048.5	2055.9	2063.3	2060.9	2080.5
5°	2004.2	2001.8	2001.8	2023.9	2046.1	2070.7	2092.9	2107.6	2132.3	2132.3	2156.9
7.5°	2021.5	2009.1	2026.4	2036.2	2078.1	2119.9	2156.9	2186.4	2243.1	2262.8	2255.4
10°	2026.4	2041.2	2053.5	2083.0	2134.7	2198.7	2230.7	2304.6	2368.6	2412.9	2422.8
12.5°	2058.4	2080.5	2115.0	2186.4	2233.2	2316.9	2361.2	2432.6	2521.3	2570.5	2605.0
15°	2119.9	2127.3	2171.7	2262.8	2363.7	2440.0	2509.0	2560.7	2646.9	2703.5	2705.9
17.5°	2198.7	2230.7	2292.3	2378.5	2484.3	2597.6	2651.8	2708.4	2740.4	2816.7	2834.0
20°	2356.3	2361.2	2420.3	2533.6	2666.5	2770.0	2809.4	2838.9	2826.6	2905.4	2920.2
22.5°	2504.0	2509.0	2582.8	2735.5	2878.3	2966.9	2984.2	2966.9	2930.0	2986.6	2991.6
25°	2654.2	2698.6	2752.7	2905.4	3082.7	3200.8	3203.3	3156.5	3080.2	3090.0	3114.7
27.5°	2888.1	2920.2	2976.8	3117.1	3311.6	3444.6	3422.4	3365.8	3267.3	3274.7	3267.3
30°	3161.4	3191.0	3237.8	3417.5	3560.3	3705.6	3737.6	3683.4	3535.7	3503.7	3540.6
32.5°	3491.4	3533.2	3619.4	3784.4	3905.0	3993.7	4015.8	3996.1	3858.2	3845.9	3870.6
35°	3892.7	3949.3	4028.1	4173.4	4271.9	4431.9	4431.9	4365.5	4239.9	4254.7	4252.2
37.5°	4316.2	4399.9	4523.0	4670.8	4803.7	4889.9	4862.8	4806.2	4680.6	4648.6	4680.6
40°	4848.0	4889.9	5045.0	5237.1	5399.6	5498.1	5382.3	5259.2	4958.8	5005.6	5091.8
42.5°	5333.1	5399.6	5517.8	5729.5	5914.2	5995.4	5857.5	5613.8	5251.8	5214.9	5278.9
45°	5746.7	5818.2	5973.3	6276.1	6470.6	6542.0	6236.7	5842.8	5429.1	5335.6	5362.6
47.5°	6022.5	6059.4	6276.1	6564.2	6741.5	6904.0	6465.7	6000.4	5512.8	5335.6	5325.7
50°	5916.6	5980.7	6234.3	6561.7	6884.3	7000.0	6581.4	6121.0	5539.9	5313.4	5283.9
52.5°	5254.3	5365.1	5648.3	6089.0	6576.5	6990.2	6741.5	6081.6	5530.1	5335.6	5379.9
55°	3656.3	3658.8	4003.5	4653.5	5515.3	6490.3	6507.6	6125.9	5594.1	5473.4	5475.9
57.5°	1469.9	1543.8	1807.2	2459.7	3255.0	4456.6	5298.6	5682.7	5601.5	5571.9	5648.3
60°	371.8	374.3	455.5	694.3	1144.9	1910.7	2774.9	3754.8	4323.6	4518.1	4545.2
62.5°	189.6	192.1	211.7	246.2	312.7	512.1	911.0	1445.3	2055.9	2366.2	2447.4
65°	155.1	155.1	167.4	184.7	187.1	197.0	236.4	337.3	490.0	556.5	563.8
67.5°	118.2	118.2	128.0	137.9	142.8	140.3	135.4	140.3	169.9	162.5	157.6
70°	73.9	76.3	81.3	91.1	96.0	98.5	100.9	105.9	120.6	125.6	120.6
72.5°	44.3	44.3	46.8	54.2	61.6	66.5	73.9	78.8	86.2	98.5	96.0
75°	19.7	19.7	24.6	32.0	39.4	46.8	54.2	61.6	66.5	73.9	76.3
77.5°	4.9	7.4	12.3	22.2	29.5	39.4	49.2	56.6	61.6	61.6	59.1
80°	2.5	2.5	9.8	17.2	32.0	41.9	54.2	59.1	66.5	61.6	54.2
82.5°	2.5	2.5	9.8	17.2	29.5	41.9	56.6	64.0	68.9	61.6	51.7
85°	0.0	2.5	7.4	14.8	24.6	29.5	24.6	17.2	9.8	9.8	7.4
87.5°	0.0	0.0	2.5	2.5	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)