

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: P530907

Luminaire Tested: **GALN-SA6A-830-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530907
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-SA6A-830-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 615mA 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: 13926 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

Input Watts (W): 182
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



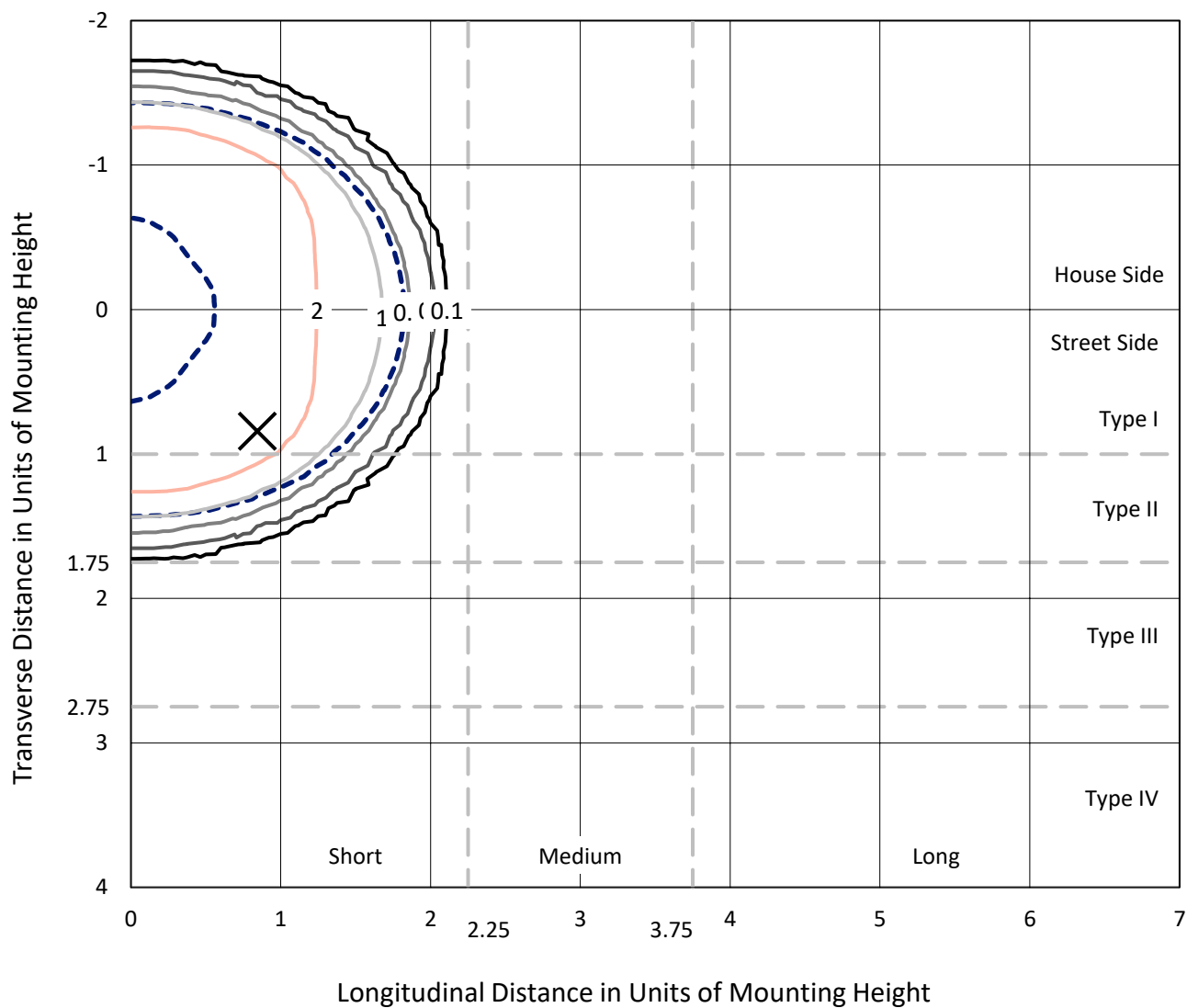
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

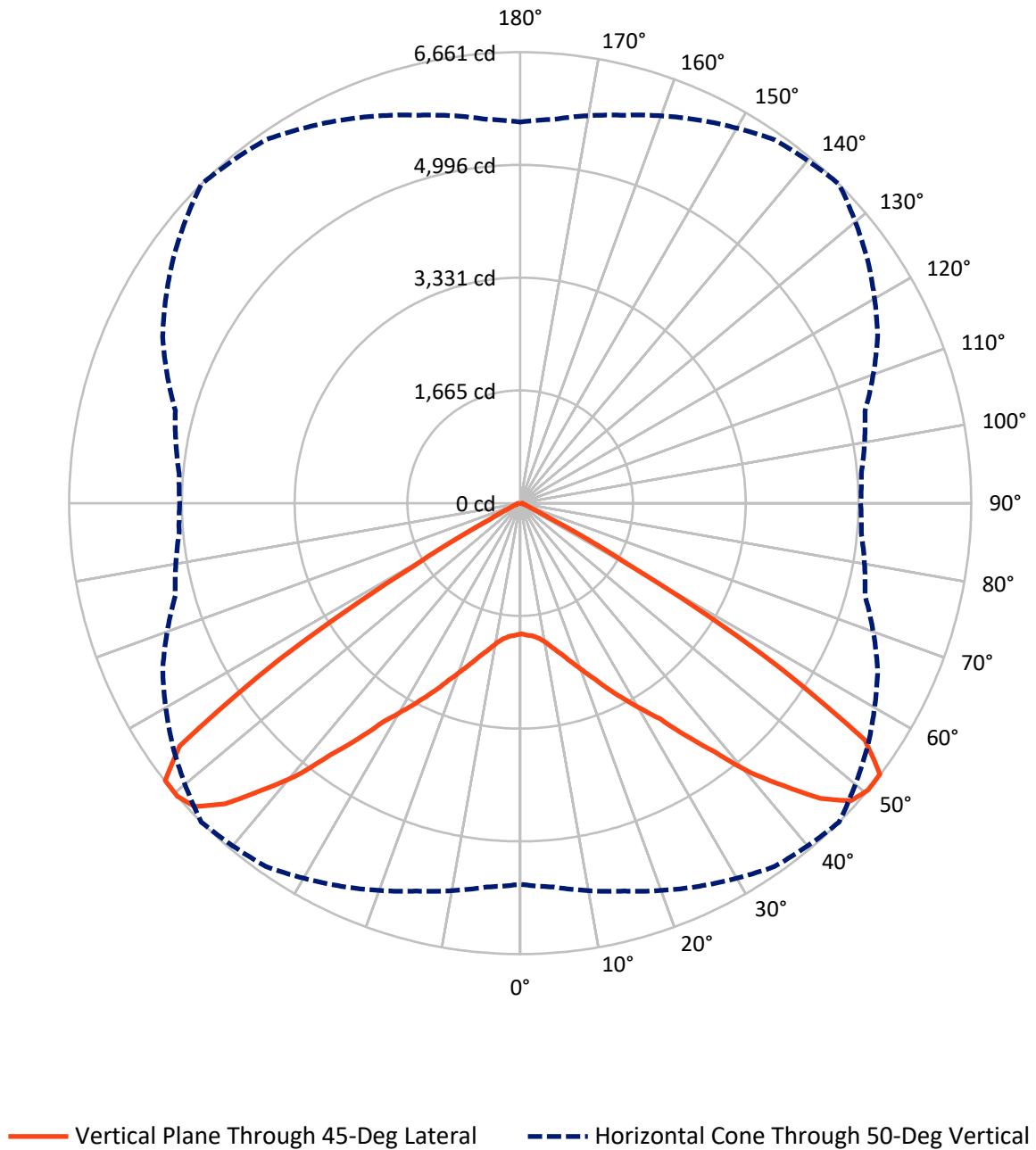


Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6963.0	0.0	6963.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6963.0	0.0	6963.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13926.0	0.0	13926.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.1	1.4
10°-20°	662.0	4.8
20°-30°	1352.1	9.7
30°-40°	2578.4	18.5
40°-50°	4344.9	31.2
50°-60°	4143.7	29.8
60°-70°	578.4	4.2
70°-80°	55.3	0.4
80°-90°	19.1	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°	13926.0	100.0
0°-180°	13926.0	100.0

Coefficient of Utilization



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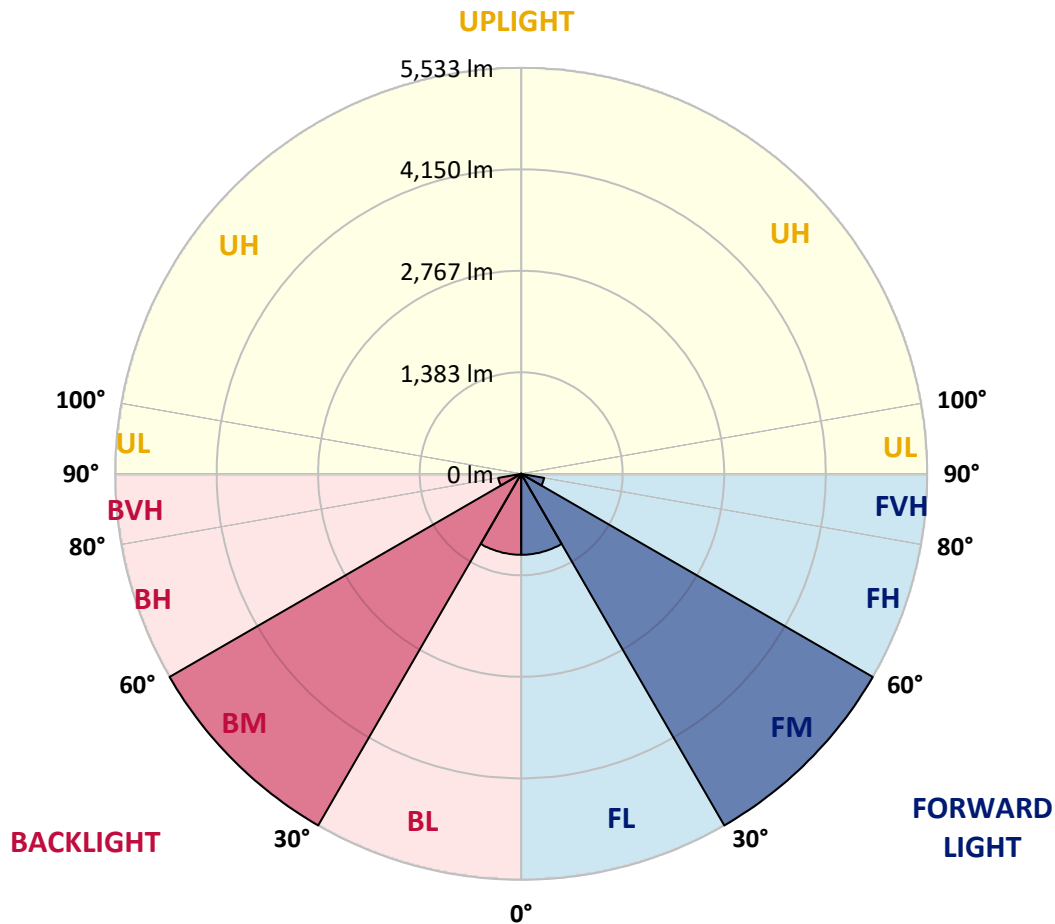
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1103.1	7.9			
FM	(30°-60°)	5533.5	39.7			
FH	(60°-80°)	316.9	2.3			G0/660
FVH	(80°-90°)	9.6	0.1			G0/10
BL	(0°-30°)	1103.1	7.9	B3/2500		
BM	(30°-60°)	5533.5	39.7	B4/8500		
BH	(60°-80°)	316.9	2.3	B1/500		G0/660
BVH	(80°-90°)	9.6	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1930.7	1930.7	1930.7	1930.7	1930.7	1930.7	1930.7	1930.7	1930.7	1930.7	1930.7
2.5°	1923.7	1923.7	1921.3	1940.1	1930.7	1951.8	1949.4	1956.5	1963.5	1961.1	1979.9
5°	1907.3	1904.9	1904.9	1926.0	1947.1	1970.5	1991.6	2005.7	2029.1	2029.1	2052.5
7.5°	1923.7	1911.9	1928.3	1937.7	1977.5	2017.4	2052.5	2080.6	2134.5	2153.3	2146.2
10°	1928.3	1942.4	1954.1	1982.2	2031.4	2092.4	2122.8	2193.1	2254.0	2296.2	2305.6
12.5°	1958.8	1979.9	2012.7	2080.6	2125.2	2204.8	2247.0	2314.9	2399.3	2446.2	2479.0
15°	2017.4	2024.4	2066.6	2153.3	2249.3	2322.0	2387.6	2436.8	2518.8	2572.7	2575.0
17.5°	2092.4	2122.8	2181.4	2263.4	2364.2	2471.9	2523.5	2577.4	2607.8	2680.5	2696.9
20°	2242.3	2247.0	2303.2	2411.0	2537.5	2635.9	2673.4	2701.6	2689.8	2764.8	2778.9
22.5°	2382.9	2387.6	2457.9	2603.1	2739.0	2823.4	2839.8	2823.4	2788.2	2842.1	2846.8
25°	2525.8	2568.0	2619.5	2764.8	2933.5	3046.0	3048.3	3003.8	2931.2	2940.5	2964.0
27.5°	2748.4	2778.9	2832.8	2966.3	3151.4	3277.9	3256.9	3203.0	3109.2	3116.3	3109.2
30°	3008.5	3036.6	3081.1	3252.2	3388.1	3526.3	3556.8	3505.2	3364.6	3334.2	3369.3
32.5°	3322.5	3362.3	3444.3	3601.3	3716.1	3800.5	3821.5	3802.8	3671.6	3659.9	3683.3
35°	3704.4	3758.3	3833.3	3971.5	4065.2	4217.5	4217.5	4154.3	4034.8	4048.8	4046.5
37.5°	4107.4	4187.1	4304.2	4444.8	4571.3	4653.3	4627.6	4573.7	4454.2	4423.7	4454.2
40°	4613.5	4653.3	4800.9	4983.7	5138.3	5232.1	5121.9	5004.8	4718.9	4763.5	4845.5
42.5°	5075.1	5138.3	5250.8	5452.3	5628.0	5705.4	5574.2	5342.2	4997.8	4962.6	5023.5
45°	5468.7	5536.7	5684.3	5972.5	6157.6	6225.5	5935.0	5560.1	5166.5	5077.4	5103.2
47.5°	5731.1	5766.3	5972.5	6246.6	6415.3	6570.0	6152.9	5710.1	5246.1	5077.4	5068.1
50°	5630.4	5691.3	5932.6	6244.3	6551.2	6661.3	6263.0	5824.9	5271.9	5056.3	5028.2
52.5°	5000.1	5105.5	5375.0	5794.4	6258.3	6652.0	6415.3	5787.4	5262.5	5077.4	5119.6
55°	3479.5	3481.8	3809.8	4428.4	5248.5	6176.3	6192.7	5829.5	5323.4	5208.6	5211.0
57.5°	1398.8	1469.1	1719.8	2340.7	3097.5	4241.0	5042.3	5407.8	5330.5	5302.4	5375.0
60°	353.8	356.1	433.5	660.7	1089.5	1818.2	2640.6	3573.2	4114.4	4299.5	4325.3
62.5°	180.4	182.8	201.5	234.3	297.6	487.4	866.9	1375.4	1956.5	2251.7	2329.0
65°	147.6	147.6	159.3	175.7	178.1	187.4	224.9	321.0	466.3	529.5	536.6
67.5°	112.5	112.5	121.8	131.2	135.9	133.6	128.9	133.6	161.7	154.6	150.0
70°	70.3	72.6	77.3	86.7	91.4	93.7	96.1	100.8	114.8	119.5	114.8
72.5°	42.2	42.2	44.5	51.5	58.6	63.3	70.3	75.0	82.0	93.7	91.4
75°	18.7	18.7	23.4	30.5	37.5	44.5	51.5	58.6	63.3	70.3	72.6
77.5°	4.7	7.0	11.7	21.1	28.1	37.5	46.9	53.9	58.6	58.6	56.2
80°	2.3	2.3	9.4	16.4	30.5	39.8	51.5	56.2	63.3	58.6	51.5
82.5°	2.3	2.3	9.4	16.4	28.1	39.8	53.9	60.9	65.6	58.6	49.2
85°	0.0	2.3	7.0	14.1	23.4	28.1	23.4	16.4	9.4	9.4	7.0
87.5°	0.0	0.0	2.3	2.3	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)