

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: P531136

Luminaire Tested: **GALN-SA6B-830-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531136
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6B-830-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24151 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 243
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

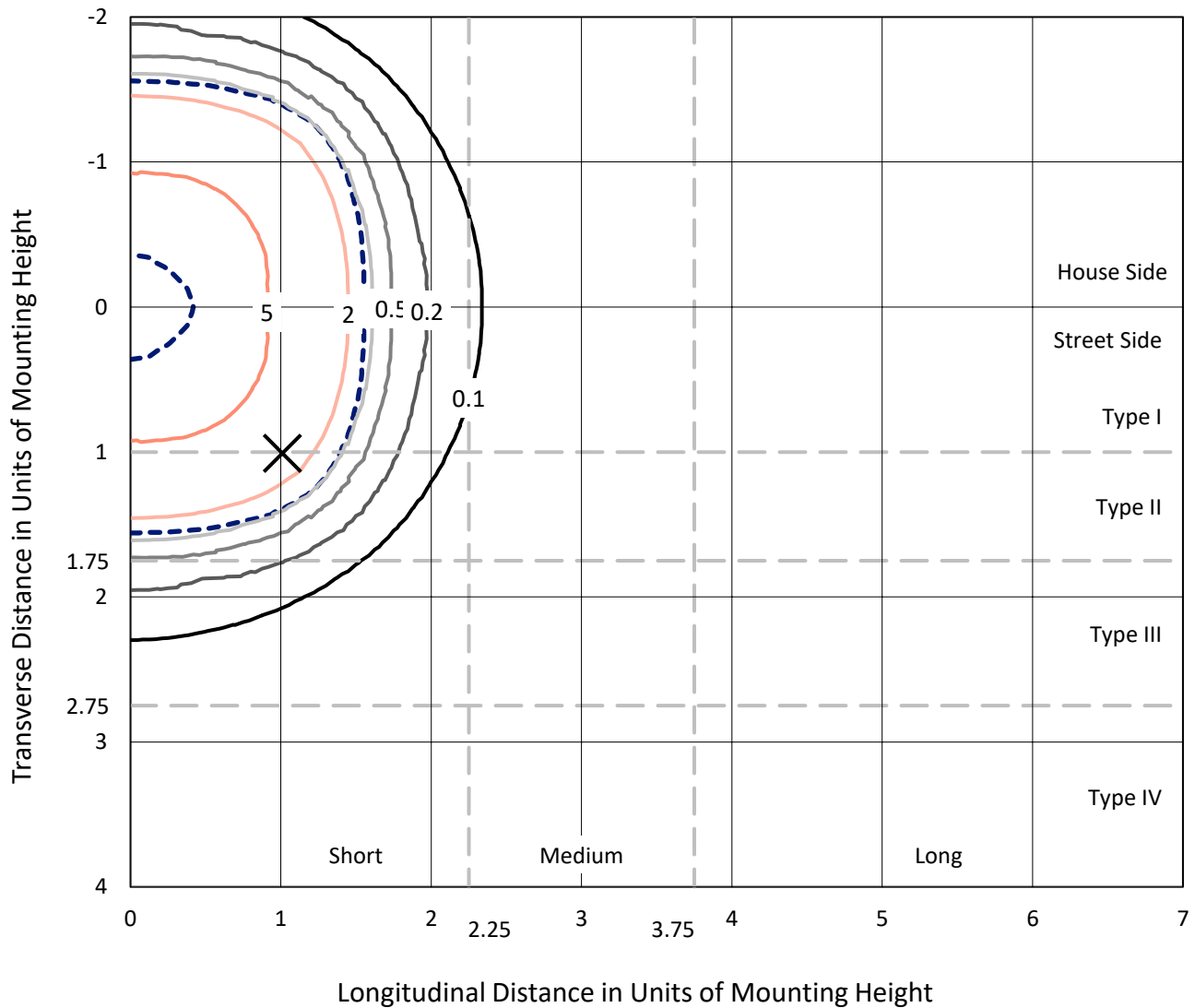


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Iso-Footcandle Lines of Horizontal Illumination

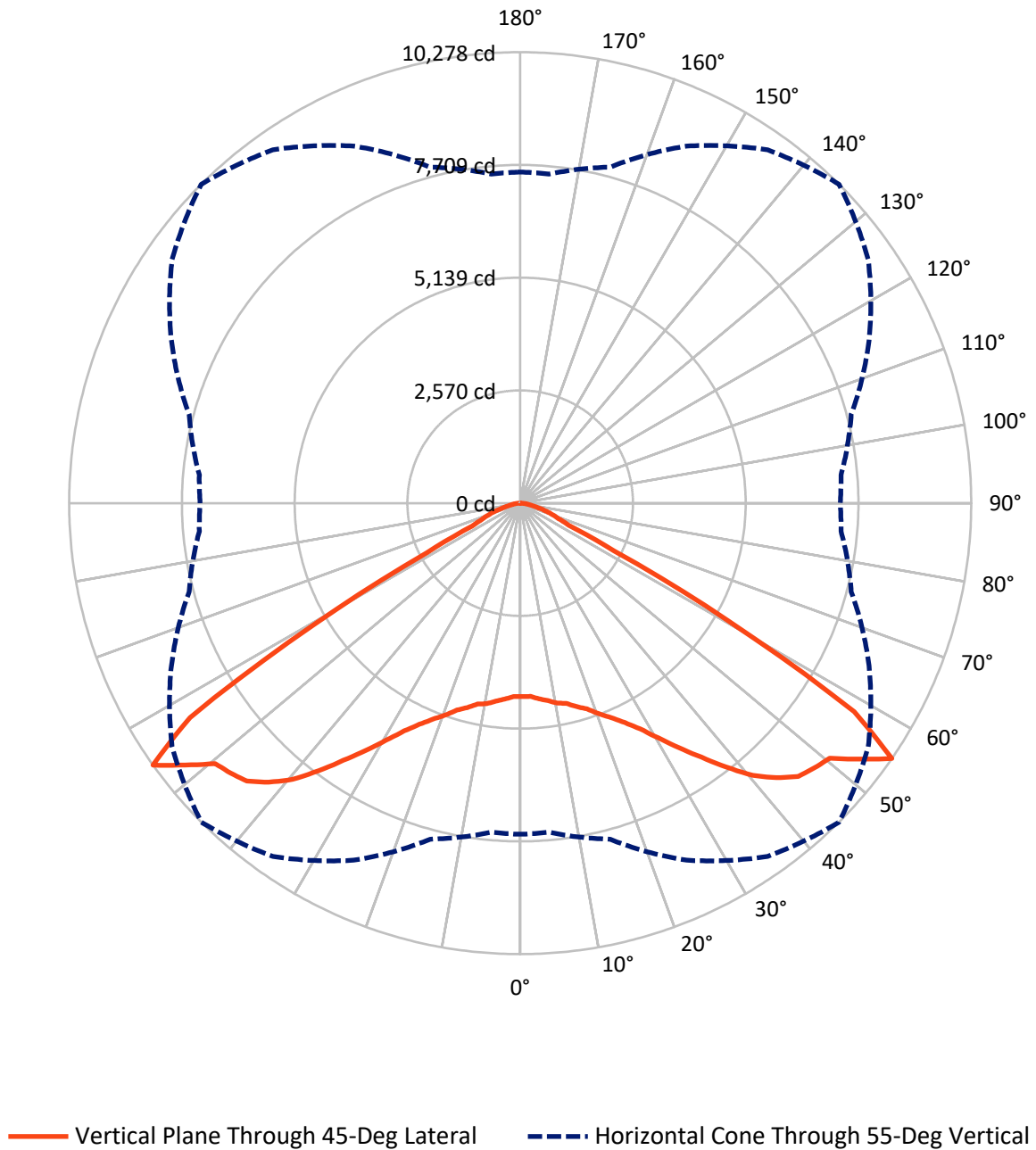
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 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	12075.5	0.0	12075.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12075.5	0.0	12075.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	24151.0	0.0	24151.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	430.8	1.8
10°-20°	1364.9	5.7
20°-30°	2545.1	10.5
30°-40°	4261.4	17.6
40°-50°	6631.1	27.5
50°-60°	6885.1	28.5
60°-70°	1460.1	6.0
70°-80°	480.9	2.0
80°-90°	91.6	0.4
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°	24151.0	100.0
0°-180°	24151.0	100.0

Coefficient of Utilization



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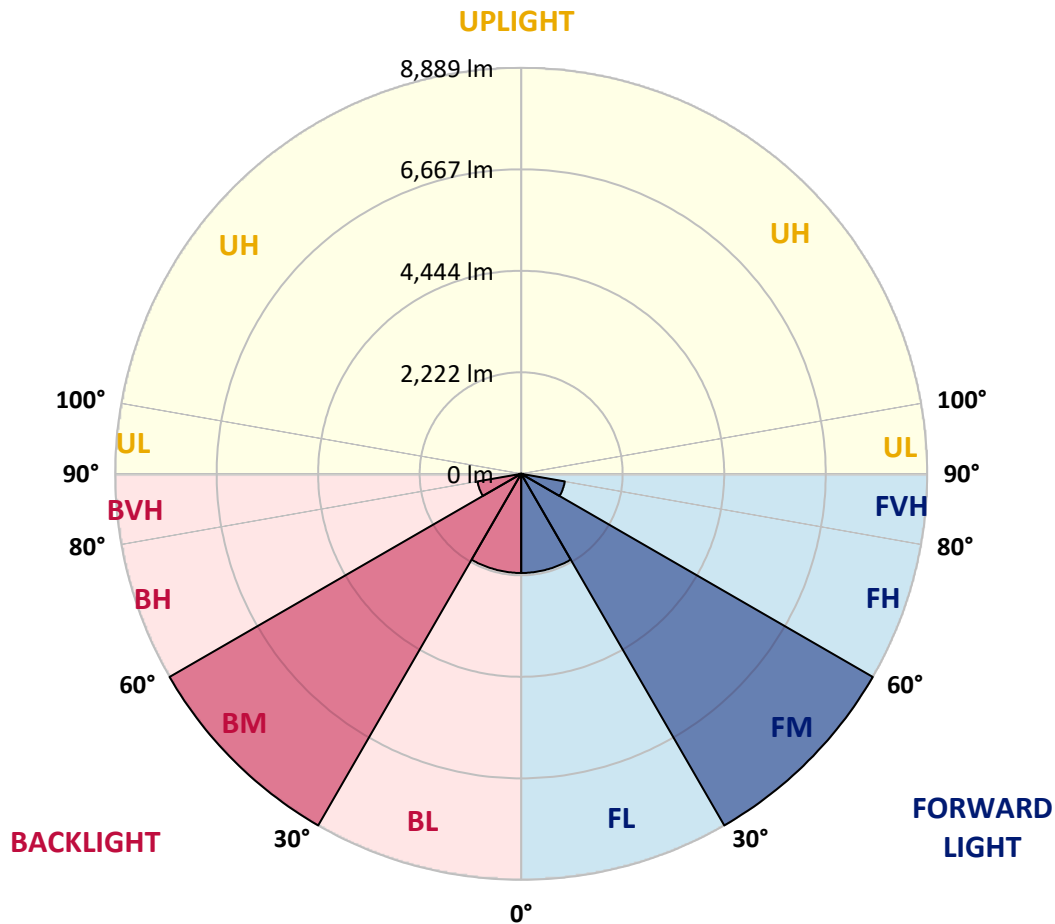
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2170.4	9.0			
FM	(30°-60°)	8888.8	36.8			
FH	(60°-80°)	970.5	4.0			G1/1800
FVH	(80°-90°)	45.8	0.2			G1/100
BL	(0°-30°)	2170.4	9.0	B3/2500		
BM	(30°-60°)	8888.8	36.8	B5		
BH	(60°-80°)	970.5	4.0	B2/1000		G1/1800
BVH	(80°-90°)	45.8	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4409.6	4409.6	4409.6	4409.6	4409.6	4409.6	4409.6	4409.6	4409.6	4409.6	4409.6
2.5°	4462.1	4441.7	4406.7	4433.0	4453.4	4409.6	4427.1	4435.9	4430.0	4406.7	4415.4
5°	4526.3	4514.7	4485.5	4505.9	4479.7	4479.7	4462.1	4438.8	4473.8	4468.0	4482.6
7.5°	4526.3	4511.8	4570.1	4532.2	4543.9	4543.9	4514.7	4491.3	4508.8	4482.6	4468.0
10°	4616.8	4637.2	4611.0	4619.7	4613.9	4634.3	4590.5	4576.0	4561.4	4552.6	4535.1
12.5°	4724.8	4710.2	4719.0	4713.1	4733.5	4681.0	4654.8	4622.7	4648.9	4611.0	4637.2
15°	4812.3	4803.6	4812.3	4835.7	4815.3	4812.3	4765.6	4733.5	4692.7	4701.4	4660.6
17.5°	4932.0	4923.2	4926.2	4946.6	4943.7	4929.1	4894.1	4832.8	4818.2	4794.8	4768.6
20°	5110.0	5095.4	5089.6	5098.3	5112.9	5124.6	5054.6	5031.2	4981.6	4943.7	4899.9
22.5°	5261.8	5255.9	5279.3	5241.3	5273.4	5308.5	5241.3	5229.7	5107.1	5086.7	5040.0
25°	5471.9	5463.1	5448.5	5504.0	5541.9	5539.0	5474.8	5410.6	5317.2	5293.9	5293.9
27.5°	5693.7	5644.1	5719.9	5734.5	5801.7	5822.1	5766.6	5673.3	5585.7	5536.1	5547.8
30°	5970.9	5924.2	5941.7	6046.8	6134.4	6210.2	6070.1	5933.0	5810.4	5722.9	5708.3
32.5°	6248.2	6201.5	6254.0	6356.1	6531.2	6645.1	6507.9	6268.6	6125.6	5997.2	6023.5
35°	6472.9	6507.9	6592.5	6747.2	6928.1	7112.0	6893.1	6709.3	6505.0	6362.0	6382.4
37.5°	6834.8	6942.7	7009.9	7187.9	7444.7	7634.4	7406.7	7167.4	6948.6	6761.8	6697.6
40°	7307.5	7380.5	7456.4	7666.5	7970.0	8159.7	7943.7	7631.5	7415.5	7222.9	7214.1
42.5°	7827.0	7897.0	7975.8	8232.6	8413.6	8556.6	8358.1	8191.8	7952.5	7800.7	7792.0
45°	8431.1	8381.5	8469.0	8638.3	8790.0	8883.4	8755.0	8673.3	8501.1	8361.0	8346.5
47.5°	8833.8	8790.0	8947.6	9099.4	9122.7	9020.6	9046.9	9122.7	8941.8	8711.2	8784.2
50°	9067.3	9067.3	9172.3	9312.4	9268.6	9137.3	9344.5	9350.4	9169.4	8965.1	8965.1
52.5°	8661.6	8752.1	9049.8	9508.0	9653.9	9691.8	9645.1	9446.7	8973.9	8556.6	8536.1
55°	7546.8	7526.4	7929.1	8979.7	9829.0	10278.4	9683.1	8769.6	7809.5	7339.6	7292.9
57.5°	4908.6	4932.0	5533.2	6604.2	8136.3	8973.9	7970.0	6685.9	5533.2	4885.3	4946.6
60°	2209.2	2288.0	2652.8	3452.4	4768.6	5451.5	4780.2	3627.5	2784.1	2416.4	2448.5
62.5°	1269.5	1284.1	1298.7	1540.9	2031.2	2401.8	2110.0	1628.4	1435.8	1371.6	1371.6
65°	1071.0	1062.3	1065.2	1085.6	1138.2	1214.0	1181.9	1138.2	1144.0	1138.2	1129.4
67.5°	910.5	922.2	913.4	928.0	931.0	942.6	963.1	980.6	983.5	989.3	983.5
70°	747.1	750.0	755.9	767.5	770.4	779.2	808.4	823.0	831.7	831.7	843.4
72.5°	572.0	569.1	574.9	586.6	601.2	604.1	630.4	650.8	662.5	647.9	650.8
75°	376.5	379.4	388.1	396.9	417.3	437.8	446.5	466.9	469.9	475.7	461.1
77.5°	224.7	230.5	239.3	256.8	274.3	291.8	312.3	326.9	332.7	326.9	309.3
80°	145.9	145.9	157.6	172.2	192.6	207.2	218.9	230.5	239.3	230.5	224.7
82.5°	90.5	90.5	105.1	122.6	137.2	145.9	163.4	178.0	186.8	180.9	172.2
85°	46.7	49.6	61.3	75.9	87.6	93.4	90.5	81.7	73.0	70.0	64.2
87.5°	14.6	14.6	17.5	17.5	14.6	14.6	17.5	14.6	17.5	17.5	17.5
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)