

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: P531141

Luminaire Tested: **GALN-SA6B-830-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531141
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-SA6B-830-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 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: 17328 lumens
Efficiency: N/A
Efficacy: 71.3 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): 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

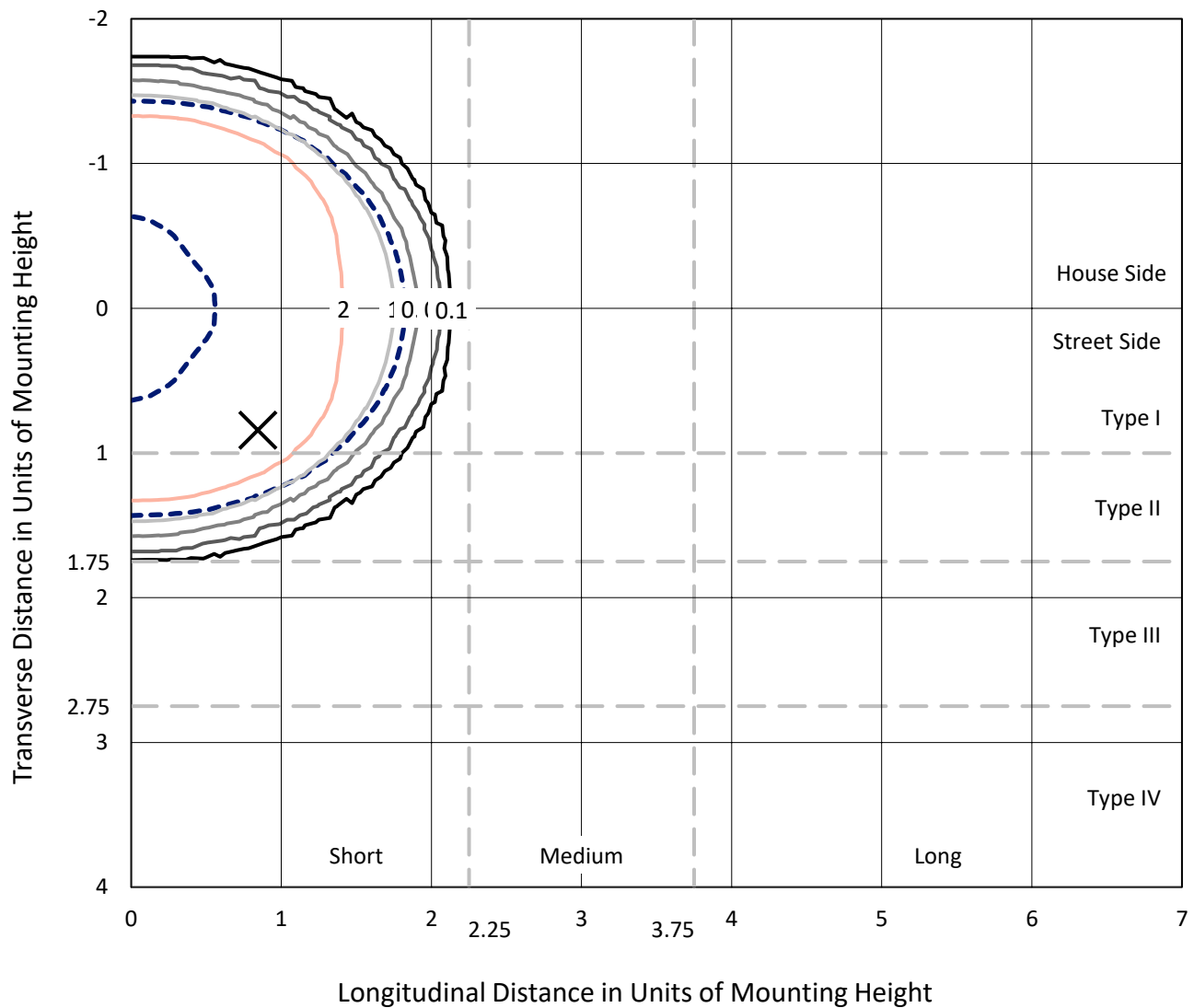


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

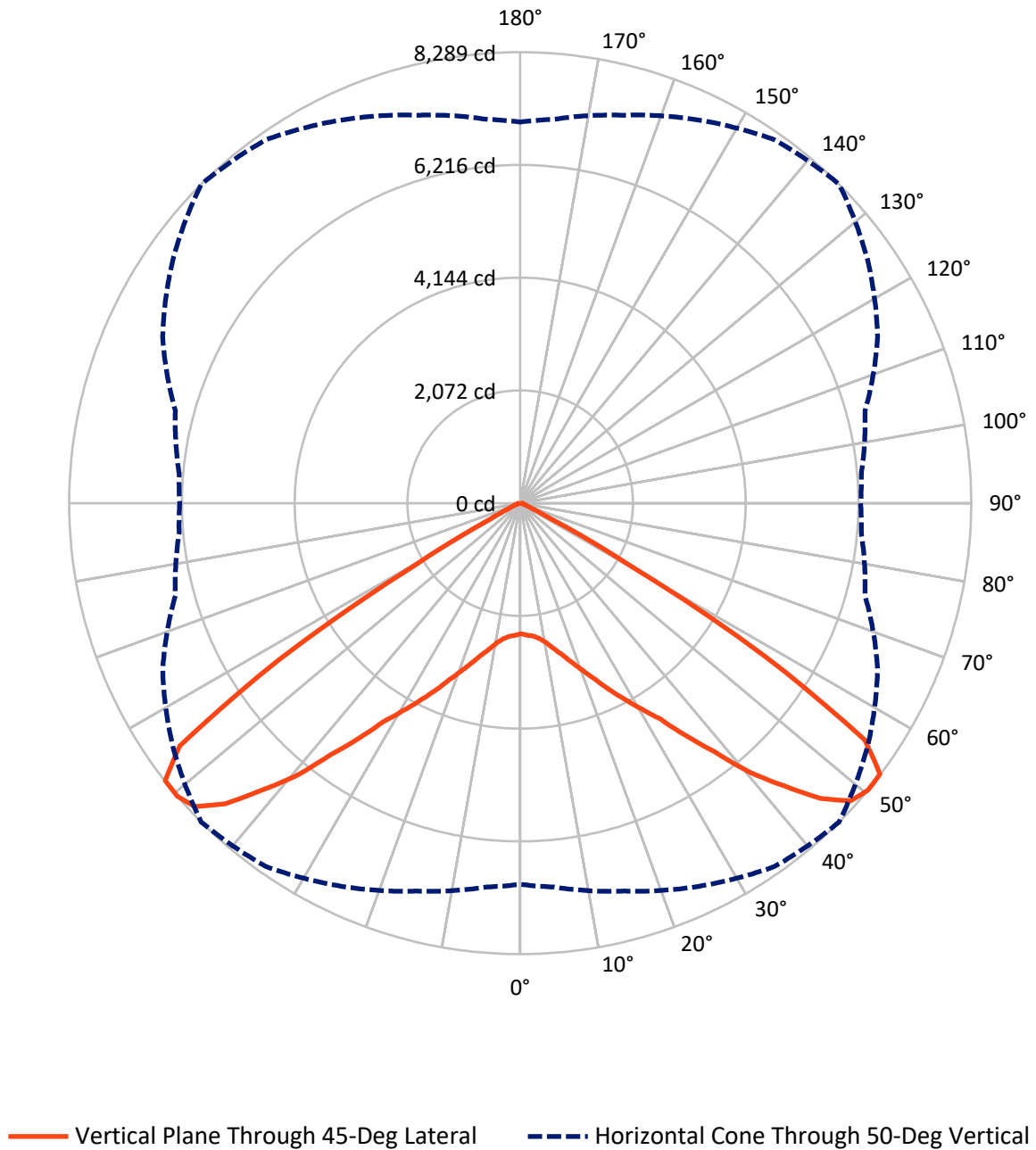


Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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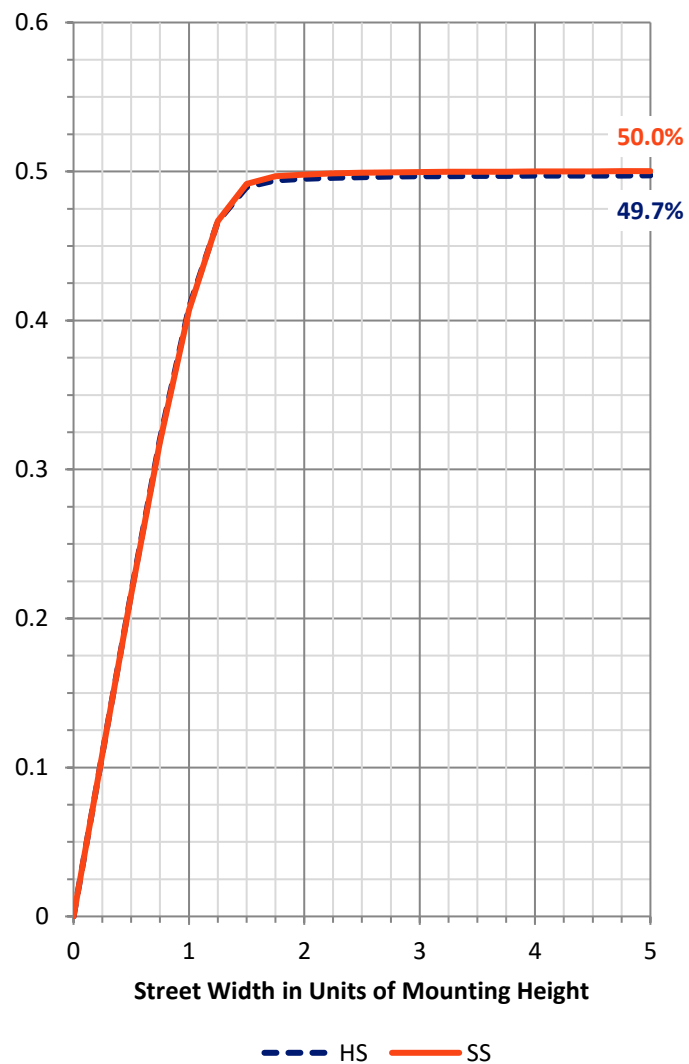
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8664.0	0.0	8664.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8664.0	0.0	8664.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17328.0	0.0	17328.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.0	1.4
10°-20°	823.7	4.8
20°-30°	1682.4	9.7
30°-40°	3208.2	18.5
40°-50°	5406.4	31.2
50°-60°	5155.9	29.8
60°-70°	719.8	4.2
70°-80°	68.8	0.4
80°-90°	23.8	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°	17328.0	100.0
0°-180°	17328.0	100.0

Coefficient of Utilization



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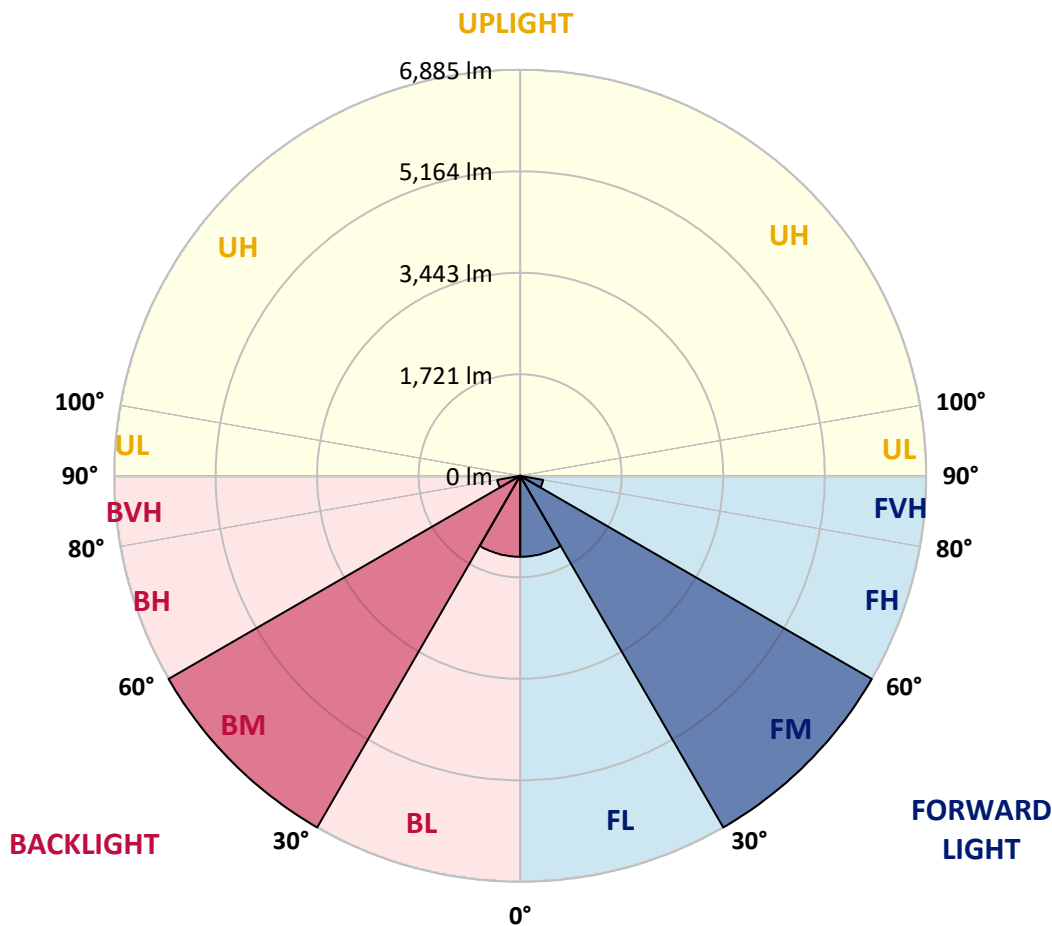
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1372.5	7.9			
FM	(30°-60°)	6885.3	39.7			
FH	(60°-80°)	394.3	2.3			G0/660
FVH	(80°-90°)	11.9	0.1			G1/100
BL	(0°-30°)	1372.5	7.9	B3/2500		
BM	(30°-60°)	6885.3	39.7	B4/8500		
BH	(60°-80°)	394.3	2.3	B1/500		G0/660
BVH	(80°-90°)	11.9	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°	2402.3	2402.3	2402.3	2402.3	2402.3	2402.3	2402.3	2402.3	2402.3	2402.3	2402.3
2.5°	2393.6	2393.6	2390.7	2414.0	2402.3	2428.6	2425.7	2434.4	2443.2	2440.2	2463.6
5°	2373.2	2370.3	2370.3	2396.5	2422.7	2451.9	2478.1	2495.6	2524.8	2524.8	2553.9
7.5°	2393.6	2379.0	2399.4	2411.1	2460.6	2510.2	2553.9	2588.9	2656.0	2679.3	2670.6
10°	2399.4	2416.9	2431.5	2466.5	2527.7	2603.5	2641.4	2728.9	2804.7	2857.1	2868.8
12.5°	2437.3	2463.6	2504.4	2588.9	2644.3	2743.4	2795.9	2880.5	2985.4	3043.7	3084.6
15°	2510.2	2519.0	2571.4	2679.3	2798.8	2889.2	2970.9	3032.1	3134.1	3201.2	3204.1
17.5°	2603.5	2641.4	2714.3	2816.3	2941.7	3075.8	3139.9	3207.0	3244.9	3335.3	3355.7
20°	2790.1	2795.9	2865.9	3000.0	3157.4	3279.9	3326.5	3361.5	3346.9	3440.2	3457.7
22.5°	2965.0	2970.9	3058.3	3239.1	3408.2	3513.1	3533.5	3513.1	3469.4	3536.4	3542.3
25°	3142.9	3195.3	3259.5	3440.2	3650.2	3790.1	3793.0	3737.6	3647.2	3658.9	3688.1
27.5°	3419.8	3457.7	3524.8	3691.0	3921.3	4078.7	4052.5	3985.4	3868.8	3877.6	3868.8
30°	3743.4	3778.4	3833.8	4046.7	4215.8	4387.8	4425.7	4361.5	4186.6	4148.7	4192.4
32.5°	4134.1	4183.7	4285.7	4481.1	4623.9	4728.9	4755.1	4731.8	4568.5	4553.9	4583.1
35°	4609.3	4676.4	4769.7	4941.7	5058.3	5247.8	5247.8	5169.1	5020.4	5037.9	5035.0
37.5°	5110.8	5209.9	5355.7	5530.6	5688.1	5790.1	5758.0	5691.0	5542.3	5504.4	5542.3
40°	5740.5	5790.1	5973.8	6201.2	6393.6	6510.2	6373.2	6227.4	5871.7	5927.1	6029.2
42.5°	6314.9	6393.6	6533.5	6784.3	7002.9	7099.1	6935.9	6647.2	6218.7	6174.9	6250.7
45°	6804.7	6889.2	7072.9	7431.5	7661.8	7746.4	7384.9	6918.4	6428.6	6317.8	6349.9
47.5°	7131.2	7174.9	7431.5	7772.6	7982.5	8174.9	7656.0	7105.0	6527.7	6317.8	6306.1
50°	7005.8	7081.6	7381.9	7769.7	8151.6	8288.6	7793.0	7247.8	6559.8	6291.6	6256.6
52.5°	6221.6	6352.8	6688.1	7209.9	7787.2	8277.0	7982.5	7201.2	6548.1	6317.8	6370.3
55°	4329.5	4332.4	4740.5	5510.2	6530.6	7685.1	7705.6	7253.7	6623.9	6481.1	6484.0
57.5°	1740.5	1828.0	2139.9	2912.5	3854.2	5277.0	6274.1	6728.9	6632.7	6597.7	6688.1
60°	440.2	443.1	539.4	822.2	1355.7	2262.4	3285.7	4446.1	5119.5	5349.9	5381.9
62.5°	224.5	227.4	250.7	291.5	370.3	606.4	1078.7	1711.4	2434.4	2801.8	2898.0
65°	183.7	183.7	198.3	218.7	221.6	233.2	279.9	399.4	580.2	658.9	667.6
67.5°	139.9	139.9	151.6	163.3	169.1	166.2	160.4	166.2	201.2	192.4	186.6
70°	87.5	90.4	96.2	107.9	113.7	116.6	119.5	125.4	142.9	148.7	142.9
72.5°	52.5	52.5	55.4	64.1	72.9	78.7	87.5	93.3	102.0	116.6	113.7
75°	23.3	23.3	29.2	37.9	46.6	55.4	64.1	72.9	78.7	87.5	90.4
77.5°	5.8	8.7	14.6	26.2	35.0	46.6	58.3	67.1	72.9	72.9	70.0
80°	2.9	2.9	11.7	20.4	37.9	49.6	64.1	70.0	78.7	72.9	64.1
82.5°	2.9	2.9	11.7	20.4	35.0	49.6	67.1	75.8	81.6	72.9	61.2
85°	0.0	2.9	8.7	17.5	29.2	35.0	29.2	20.4	11.7	11.7	8.7
87.5°	0.0	0.0	2.9	2.9	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)