

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: P531133

Luminaire Tested: **GALN-SA6B-830-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531133
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
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-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16092 lumens
Efficiency: N/A
Efficacy: 66.2 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): 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



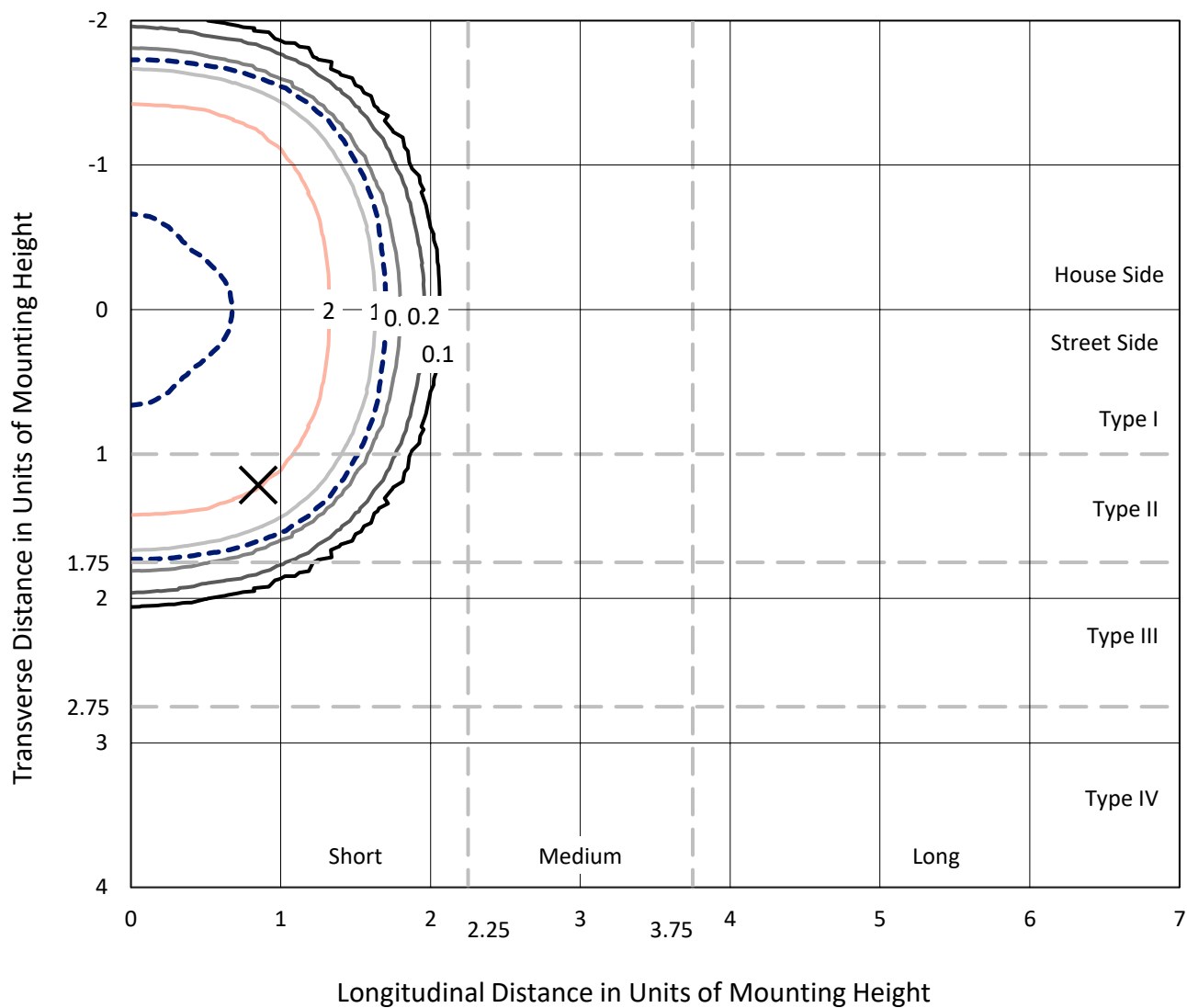
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

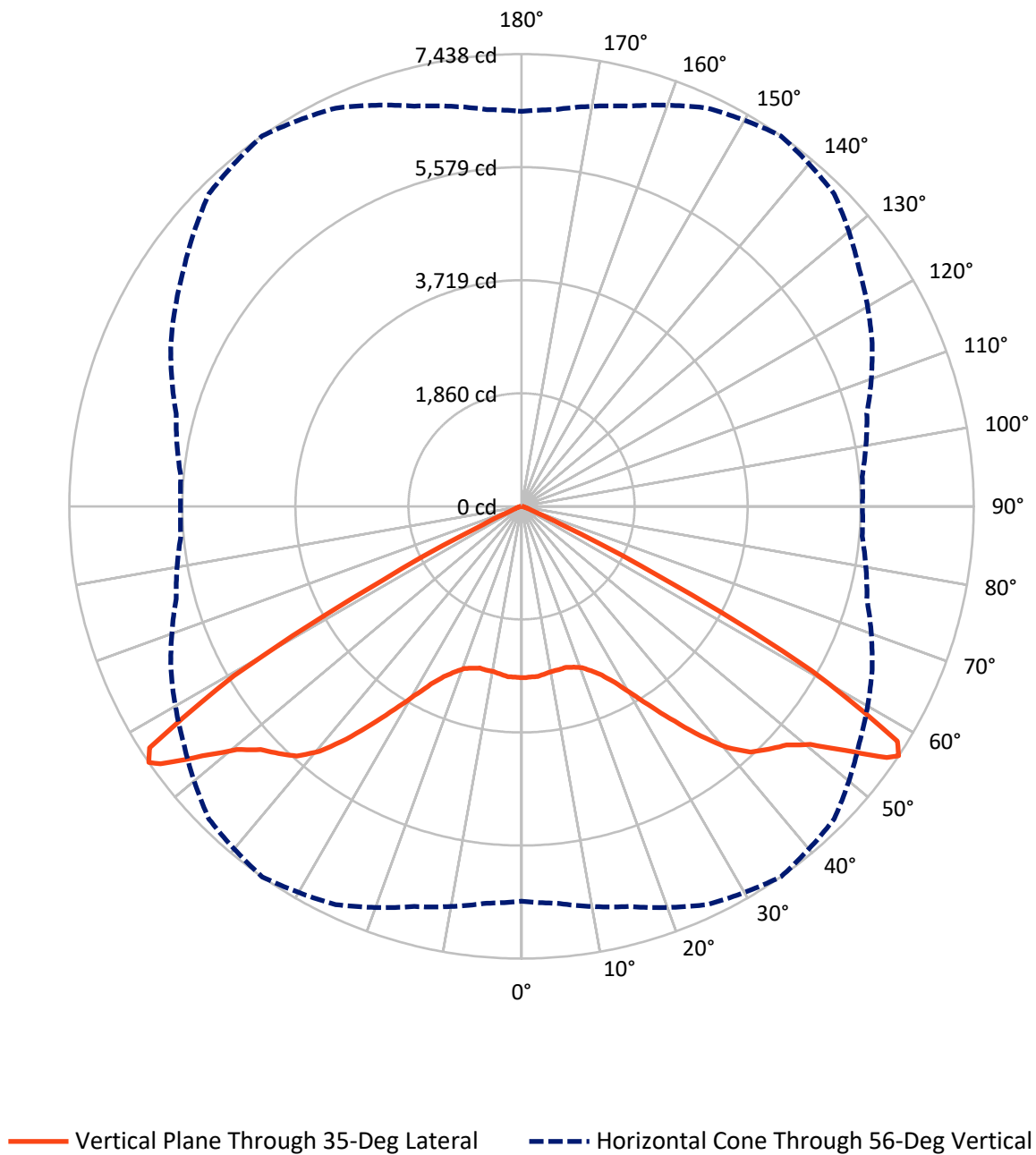


Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8046.0	0.0	8046.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8046.0	0.0	8046.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	16092.0	0.0	16092.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.0	1.6
10°-20°	773.7	4.8
20°-30°	1401.0	8.7
30°-40°	2598.0	16.1
40°-50°	4264.5	26.5
50°-60°	5493.9	34.1
60°-70°	1210.8	7.5
70°-80°	70.2	0.4
80°-90°	14.8	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°	16092.0	100.0
0°-180°	16092.0	100.0

Coefficient of Utilization



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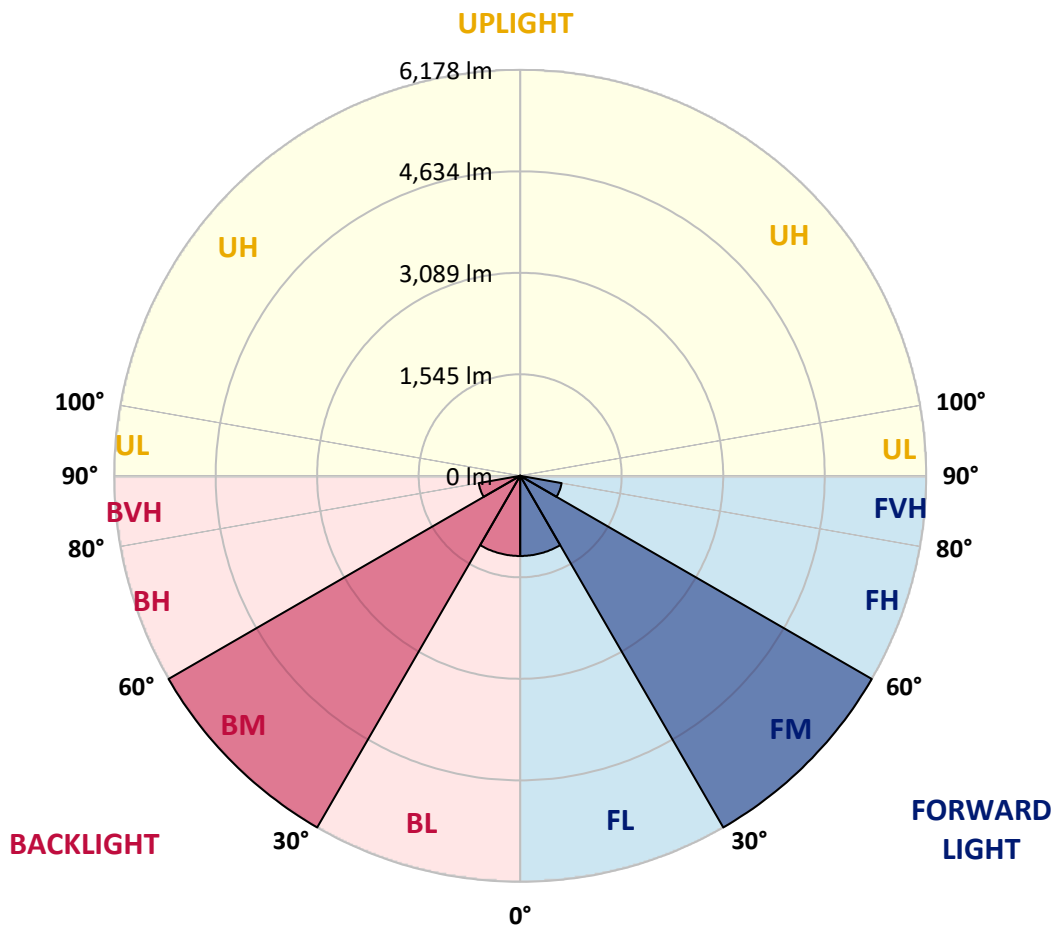
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1219.9	7.6			
FM	(30°-60°)	6178.2	38.4			
FH	(60°-80°)	640.5	4.0			G0/660
FVH	(80°-90°)	7.4	0.0			G0/10
BL	(0°-30°)	1219.9	7.6	B3/2500		
BM	(30°-60°)	6178.2	38.4	B4/8500		
BH	(60°-80°)	640.5	4.0	B2/1000		G0/660
BVH	(80°-90°)	7.4	0.0			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°	2819.7	2819.7	2819.7	2819.7	2819.7	2819.7	2819.7	2819.7	2819.7	2819.7	2819.7
2.5°	2825.5	2825.5	2828.4	2831.3	2810.9	2802.2	2805.1	2799.3	2796.3	2805.1	2805.1
5°	2816.7	2816.7	2808.0	2810.9	2810.9	2784.7	2784.7	2790.5	2790.5	2773.0	2767.2
7.5°	2793.4	2787.6	2775.9	2790.5	2781.8	2781.8	2761.3	2746.8	2740.9	2752.6	2740.9
10°	2743.9	2746.8	2758.4	2764.3	2758.4	2775.9	2740.9	2720.5	2700.1	2691.4	2691.4
12.5°	2720.5	2738.0	2720.5	2735.1	2755.5	2740.9	2720.5	2705.9	2676.8	2665.1	2665.1
15°	2717.6	2729.3	2735.1	2755.5	2746.8	2752.6	2711.8	2694.3	2650.5	2630.1	2621.4
17.5°	2714.7	2729.3	2738.0	2775.9	2781.8	2784.7	2752.6	2700.1	2662.2	2641.8	2621.4
20°	2746.8	2752.6	2770.1	2808.0	2831.3	2872.2	2813.8	2758.4	2676.8	2653.5	2644.7
22.5°	2787.6	2816.7	2834.2	2875.1	2936.3	2971.3	2895.5	2825.5	2740.9	2711.8	2676.8
25°	2918.8	2913.0	2942.1	3026.7	3076.3	3102.5	3041.3	2939.2	2828.4	2793.4	2799.3
27.5°	3082.1	3087.9	3114.2	3207.5	3280.4	3321.2	3248.3	3114.2	3006.3	2948.0	2942.1
30°	3295.0	3289.1	3318.3	3443.7	3574.9	3636.1	3507.8	3350.4	3245.4	3169.6	3187.1
32.5°	3519.5	3522.4	3604.0	3717.8	3930.6	4050.2	3843.1	3650.7	3493.2	3440.7	3414.5
35°	3851.9	3866.5	3930.6	4105.6	4341.8	4496.3	4268.9	4038.5	3857.7	3761.5	3773.2
37.5°	4263.0	4248.4	4356.3	4545.9	4793.7	4907.4	4715.0	4452.6	4268.9	4204.7	4245.5
40°	4700.4	4715.0	4770.4	4942.4	5219.4	5295.3	5009.5	4866.6	4706.2	4674.2	4723.7
42.5°	5137.8	5129.0	5169.9	5324.4	5525.6	5473.1	5304.0	5219.4	5105.7	5041.6	5108.6
45°	5458.5	5444.0	5519.8	5624.7	5697.6	5598.5	5522.7	5493.5	5435.2	5365.2	5426.5
47.5°	5770.5	5758.9	5831.8	5860.9	5866.8	5735.6	5750.1	5802.6	5656.8	5511.0	5581.0
50°	6035.9	6015.5	6105.9	6170.0	6155.4	5945.5	5998.0	5945.5	5718.1	5546.0	5519.8
52.5°	6479.1	6487.9	6584.1	6700.7	6665.7	6490.8	6415.0	6175.9	5884.3	5729.7	5639.3
55°	6759.0	6715.3	6881.5	7251.8	7292.6	7111.9	6776.5	6423.7	5986.3	5796.8	5773.5
56°	6496.6	6552.0	6814.4	7228.5	7438.4	7272.2	6785.3	6362.5	5881.3	5624.7	5607.3
57.5°	5828.9	5799.7	6155.4	6721.1	7292.6	7222.7	6546.2	5925.1	5365.2	5076.6	5041.6
60°	3627.4	3711.9	4023.9	4723.7	5487.7	5522.7	4852.0	4318.4	3665.3	3408.7	3469.9
62.5°	1420.0	1347.1	1542.5	2064.4	2589.3	2705.9	2452.3	2038.2	1673.7	1420.0	1402.5
65°	329.5	320.7	361.6	498.6	696.9	807.7	766.9	551.1	405.3	384.9	355.7
67.5°	186.6	186.6	177.9	177.9	195.4	207.0	198.3	195.4	204.1	212.9	209.9
70°	131.2	128.3	122.5	125.4	119.6	119.6	128.3	142.9	154.5	154.5	157.5
72.5°	78.7	78.7	78.7	87.5	87.5	87.5	96.2	107.9	110.8	107.9	105.0
75°	35.0	35.0	40.8	49.6	55.4	58.3	67.1	72.9	78.7	72.9	67.1
77.5°	8.7	8.7	14.6	20.4	26.2	32.1	43.7	52.5	55.4	52.5	43.7
80°	2.9	2.9	5.8	14.6	26.2	32.1	43.7	46.7	49.6	43.7	35.0
82.5°	2.9	2.9	5.8	14.6	20.4	26.2	35.0	40.8	43.7	37.9	35.0
85°	0.0	2.9	5.8	11.7	17.5	23.3	23.3	17.5	14.6	8.7	11.7
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)