

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: P530439

Luminaire Tested: **GALN-SA5C-830-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530439
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-SA5C-830-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 3000K, 1050mA 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: 18080 lumens
Efficiency: N/A
Efficacy: 67.2 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): 269
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

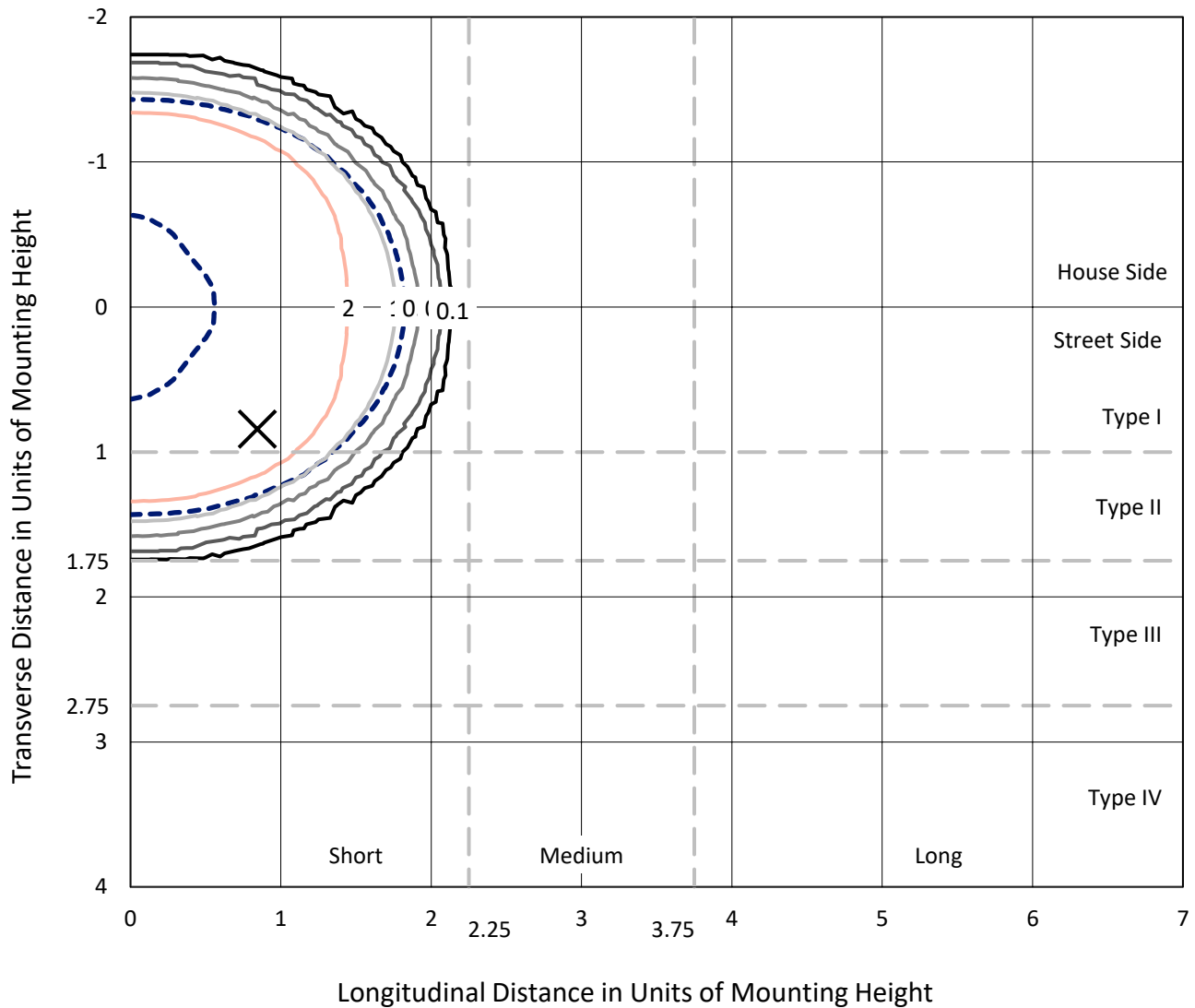


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

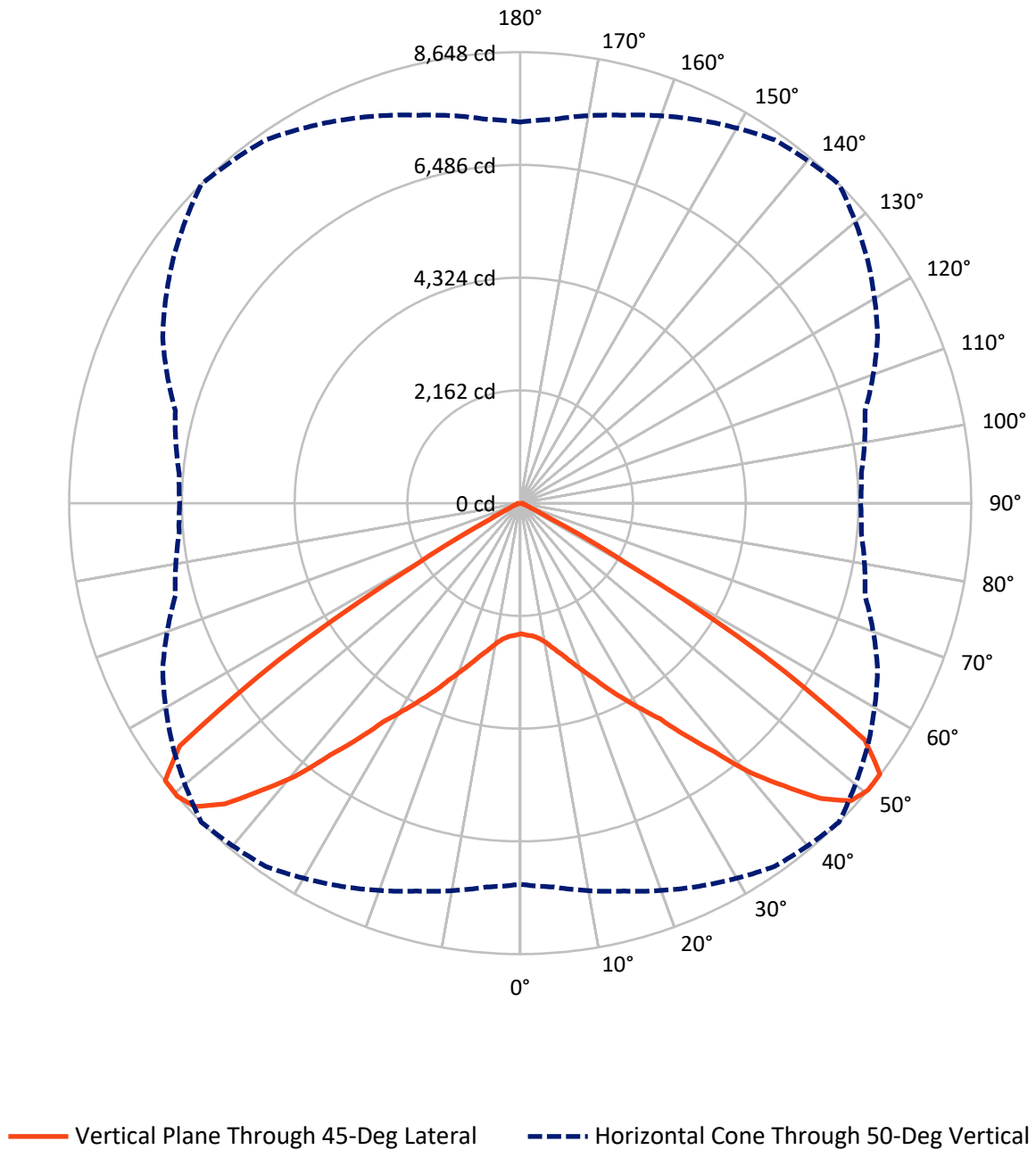


Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9040.0	0.0	9040.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9040.0	0.0	9040.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18080.0	0.0	18080.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.4	1.4
10°-20°	859.5	4.8
20°-30°	1755.4	9.7
30°-40°	3347.5	18.5
40°-50°	5641.0	31.2
50°-60°	5379.7	29.8
60°-70°	751.0	4.2
70°-80°	71.8	0.4
80°-90°	24.8	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°	18080.0	100.0
0°-180°	18080.0	100.0

Coefficient of Utilization



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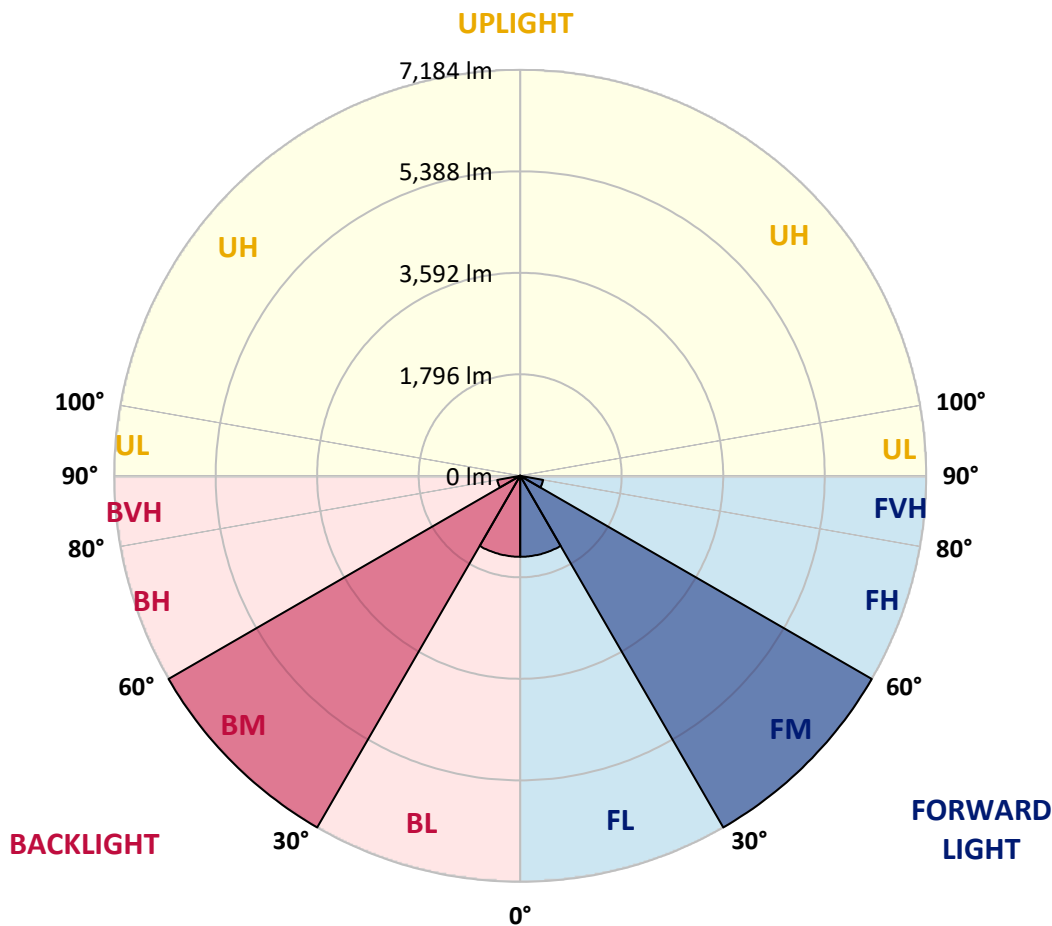
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1432.1	7.9			
FM	(30°-60°)	7184.1	39.7			
FH	(60°-80°)	411.4	2.3			G0/660
FVH	(80°-90°)	12.4	0.1			G1/100
BL	(0°-30°)	1432.1	7.9	B3/2500		
BM	(30°-60°)	7184.1	39.7	B4/8500		
BH	(60°-80°)	411.4	2.3	B1/500		G0/660
BVH	(80°-90°)	12.4	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°	2506.6	2506.6	2506.6	2506.6	2506.6	2506.6	2506.6	2506.6	2506.6	2506.6	2506.6
2.5°	2497.5	2497.5	2494.4	2518.8	2506.6	2534.0	2530.9	2540.1	2549.2	2546.1	2570.5
5°	2476.2	2473.1	2473.1	2500.5	2527.9	2558.3	2585.7	2603.9	2634.4	2634.4	2664.8
7.5°	2497.5	2482.3	2503.6	2515.7	2567.4	2619.1	2664.8	2701.3	2771.2	2795.6	2786.5
10°	2503.6	2521.8	2537.0	2573.5	2637.4	2716.5	2756.0	2847.3	2926.4	2981.1	2993.3
12.5°	2543.1	2570.5	2613.1	2701.3	2759.1	2862.5	2917.3	3005.5	3115.0	3175.8	3218.4
15°	2619.1	2628.3	2683.0	2795.6	2920.3	3014.6	3099.8	3163.7	3270.1	3340.1	3343.1
17.5°	2716.5	2756.0	2832.1	2938.6	3069.4	3209.3	3276.2	3346.2	3385.7	3480.0	3501.3
20°	2911.2	2917.3	2990.3	3130.2	3294.5	3422.2	3470.9	3507.4	3492.2	3589.5	3607.8
22.5°	3093.7	3099.8	3191.0	3379.6	3556.1	3665.6	3686.9	3665.6	3620.0	3689.9	3696.0
25°	3279.3	3334.0	3400.9	3589.5	3808.6	3954.6	3957.6	3899.8	3805.5	3817.7	3848.1
27.5°	3568.2	3607.8	3677.8	3851.1	4091.5	4255.7	4228.4	4158.4	4036.7	4045.8	4036.7
30°	3905.9	3942.4	4000.2	4222.3	4398.7	4578.2	4617.7	4550.8	4368.3	4328.7	4374.4
32.5°	4313.5	4365.2	4471.7	4675.5	4824.6	4934.1	4961.5	4937.1	4766.8	4751.6	4782.0
35°	4809.4	4879.3	4976.7	5156.2	5277.8	5475.6	5475.6	5393.4	5238.3	5256.5	5253.5
37.5°	5332.6	5436.0	5588.1	5770.6	5934.9	6041.4	6007.9	5937.9	5782.8	5743.3	5782.8
40°	5989.7	6041.4	6233.0	6470.3	6671.1	6792.7	6649.8	6497.7	6126.6	6184.3	6290.8
42.5°	6588.9	6671.1	6817.1	7078.7	7306.8	7407.2	7236.9	6935.7	6488.5	6442.9	6522.0
45°	7100.0	7188.2	7379.8	7754.0	7994.3	8082.5	7705.3	7218.6	6707.6	6592.0	6625.4
47.5°	7440.7	7486.3	7754.0	8109.9	8328.9	8529.7	7988.2	7413.3	6811.0	6592.0	6579.8
50°	7309.9	7389.0	7702.3	8106.9	8505.4	8648.4	8131.2	7562.4	6844.5	6564.6	6528.1
52.5°	6491.6	6628.5	6978.3	7522.8	8125.1	8636.2	8328.9	7513.7	6832.3	6592.0	6646.7
55°	4517.3	4520.4	4946.3	5749.3	6814.0	8018.7	8040.0	7568.5	6911.4	6762.3	6765.4
57.5°	1816.1	1907.3	2232.8	3038.9	4021.5	5506.0	6546.3	7020.9	6920.5	6884.0	6978.3
60°	459.3	462.4	562.8	857.8	1414.5	2360.6	3428.3	4639.0	5341.7	5582.0	5615.5
62.5°	234.2	237.3	261.6	304.2	386.3	632.7	1125.5	1785.6	2540.1	2923.3	3023.7
65°	191.6	191.6	206.9	228.1	231.2	243.4	292.0	416.8	605.4	687.5	696.6
67.5°	146.0	146.0	158.2	170.4	176.4	173.4	167.3	173.4	209.9	200.8	194.7
70°	91.3	94.3	100.4	112.6	118.6	121.7	124.7	130.8	149.1	155.1	149.1
72.5°	54.8	54.8	57.8	66.9	76.0	82.1	91.3	97.3	106.5	121.7	118.6
75°	24.3	24.3	30.4	39.5	48.7	57.8	66.9	76.0	82.1	91.3	94.3
77.5°	6.1	9.1	15.2	27.4	36.5	48.7	60.8	70.0	76.0	76.0	73.0
80°	3.0	3.0	12.2	21.3	39.5	51.7	66.9	73.0	82.1	76.0	66.9
82.5°	3.0	3.0	12.2	21.3	36.5	51.7	70.0	79.1	85.2	76.0	63.9
85°	0.0	3.0	9.1	18.3	30.4	36.5	30.4	21.3	12.2	12.2	9.1
87.5°	0.0	0.0	3.0	3.0	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)