

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: P528256

Luminaire Tested: **GALN-SA3B-750-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528256
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3B-750-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14885 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

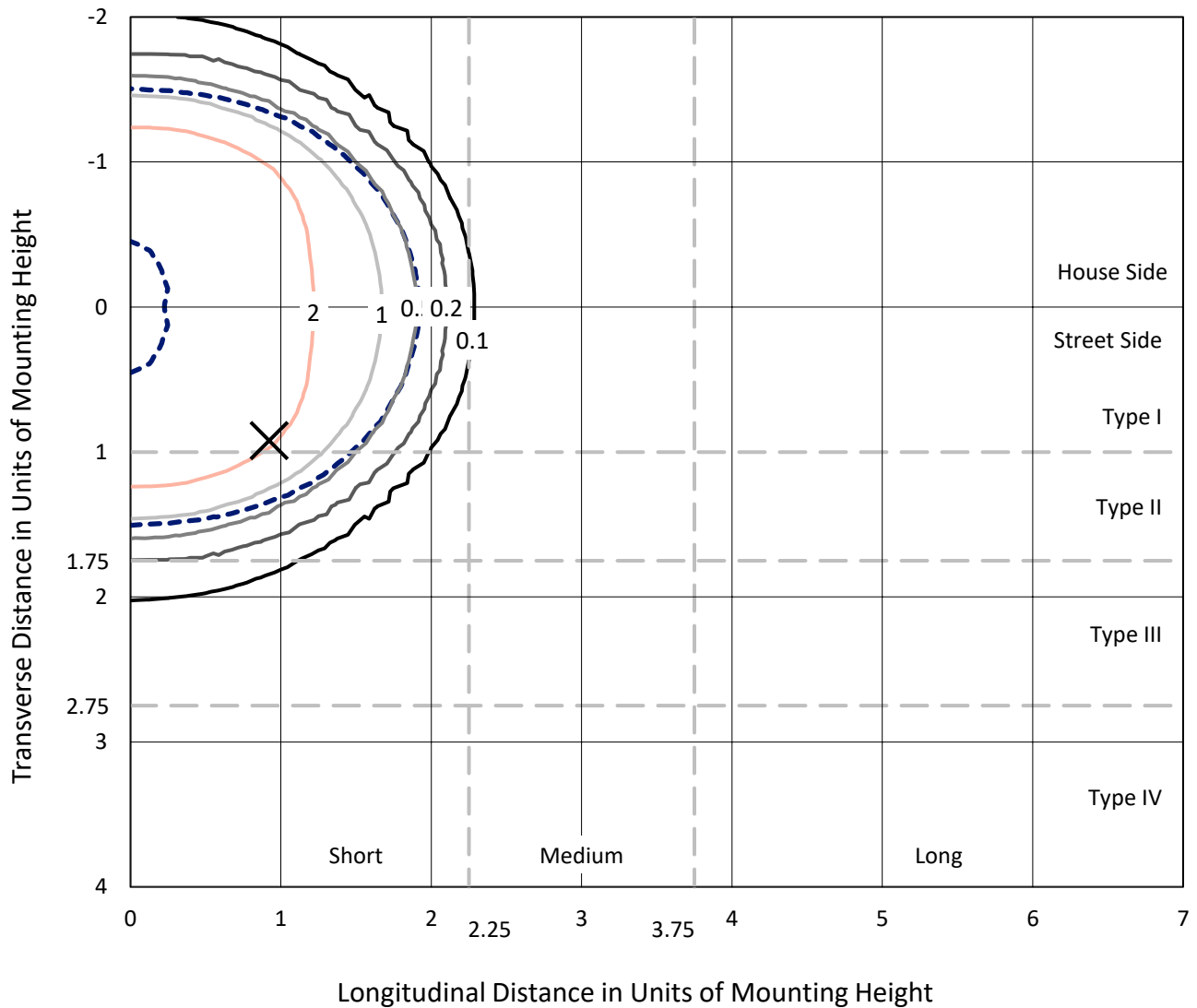
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

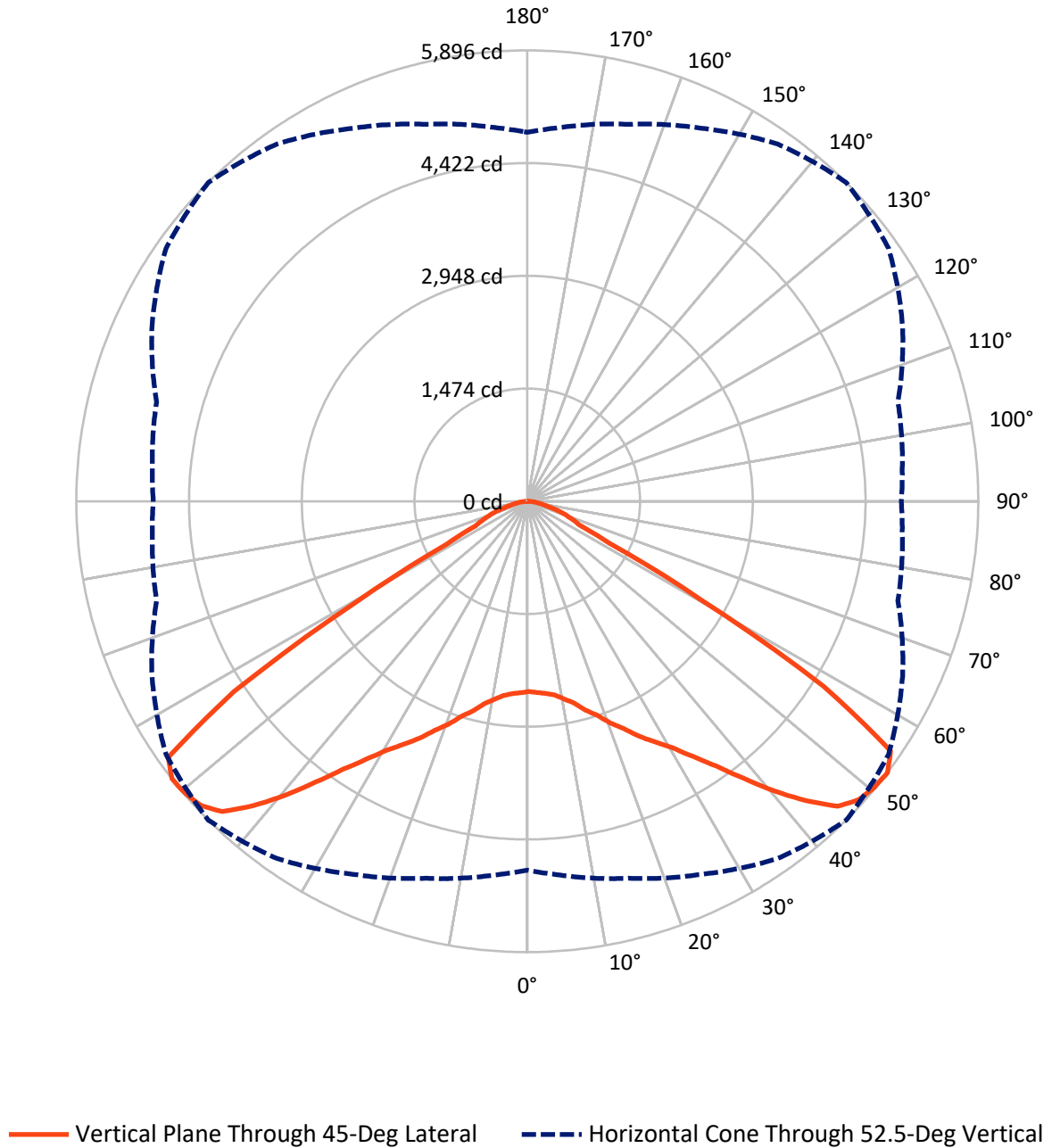
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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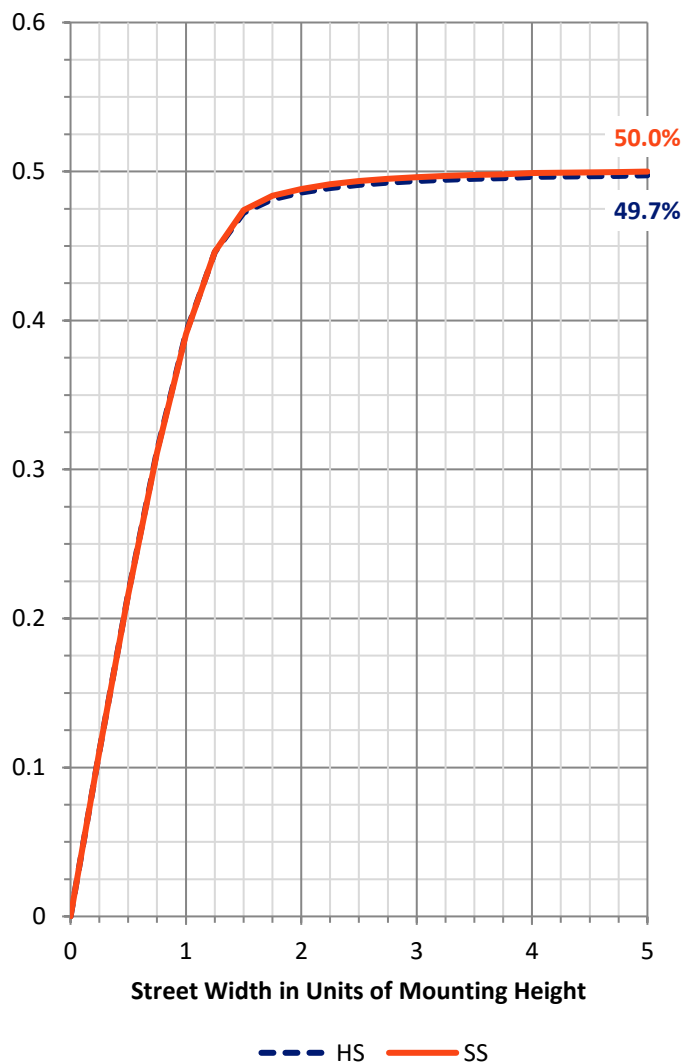
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7442.5	0.0	7442.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7442.5	0.0	7442.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14885.0	0.0	14885.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.5	1.6
10°-20°	803.3	5.4
20°-30°	1529.3	10.3
30°-40°	2626.0	17.6
40°-50°	4036.2	27.1
50°-60°	4098.7	27.5
60°-70°	1142.2	7.7
70°-80°	336.9	2.3
80°-90°	67.9	0.5
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°	14885.0	100.0
0°-180°	14885.0	100.0

Coefficient of Utilization



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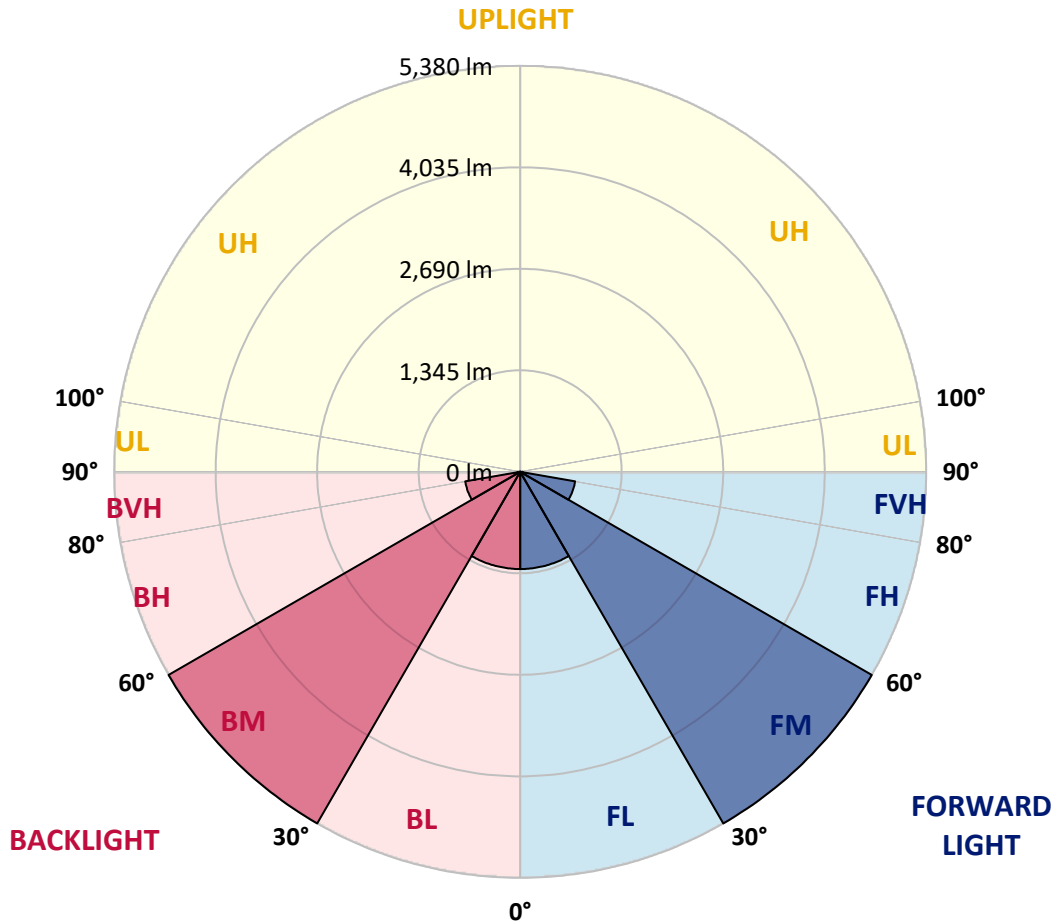
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1288.5	8.7			
FM (30°-60°)	5380.4	36.1			
FH (60°-80°)	739.6	5.0			G1/1800
FVH (80°-90°)	33.9	0.2			G1/100
BL (0°-30°)	1288.5	8.7	B3/2500		
BM (30°-60°)	5380.4	36.1	B4/8500		
BH (60°-80°)	739.6	5.0	B2/1000		G1/1800
BVH (80°-90°)	33.9	0.2			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°	2488.2	2488.2	2488.2	2488.2	2488.2	2488.2	2488.2	2488.2	2488.2	2488.2	2488.2
2.5°	2493.8	2467.9	2477.1	2482.7	2506.7	2504.8	2499.3	2506.7	2514.1	2515.9	2512.2
5°	2491.9	2473.4	2480.8	2486.4	2510.4	2523.3	2519.6	2551.0	2573.2	2567.7	2595.4
7.5°	2477.1	2488.2	2479.0	2506.7	2527.0	2558.4	2591.7	2621.2	2648.9	2680.3	2685.9
10°	2510.4	2510.4	2527.0	2549.2	2602.8	2626.8	2674.8	2717.3	2770.9	2807.8	2793.0
12.5°	2545.5	2551.0	2551.0	2608.3	2652.6	2706.2	2750.5	2807.8	2883.5	2927.9	2950.0
15°	2580.6	2584.3	2602.8	2680.3	2746.8	2831.8	2872.4	2924.2	2966.7	3049.8	3051.6
17.5°	2612.0	2632.3	2687.7	2774.5	2857.7	2938.9	3003.6	3057.2	3094.1	3127.4	3120.0
20°	2730.2	2745.0	2802.3	2889.1	3012.8	3092.3	3114.4	3123.7	3147.7	3214.2	3193.9
22.5°	2844.7	2850.3	2903.9	3036.9	3123.7	3229.0	3253.0	3247.4	3256.7	3273.3	3302.9
25°	2963.0	2972.2	3046.1	3158.8	3280.7	3406.3	3426.6	3384.1	3371.2	3389.7	3391.5
27.5°	3114.4	3116.3	3210.5	3308.4	3446.9	3565.2	3596.6	3563.3	3502.4	3517.1	3541.1
30°	3306.5	3293.6	3387.8	3528.2	3674.1	3740.6	3794.2	3777.6	3711.1	3698.2	3677.8
32.5°	3528.2	3531.9	3616.9	3770.2	3866.3	3977.1	4034.4	4006.7	3964.2	3942.0	3954.9
35°	3840.4	3857.0	3914.3	4041.7	4196.9	4252.3	4342.8	4283.7	4172.9	4200.6	4224.6
37.5°	4097.2	4145.2	4252.3	4403.8	4496.2	4597.8	4631.0	4551.6	4470.3	4437.1	4516.5
40°	4490.6	4475.8	4594.1	4745.5	4882.2	4983.8	4941.4	4861.9	4660.6	4662.4	4684.6
42.5°	4828.7	4836.1	4926.6	5107.6	5294.2	5357.0	5222.1	5028.2	4804.7	4780.6	4828.7
45°	5113.1	5142.7	5194.4	5436.4	5619.3	5687.6	5438.3	5209.2	4909.9	4810.2	4889.6
47.5°	5214.7	5262.8	5375.5	5597.1	5778.1	5833.6	5634.1	5305.3	5007.9	4845.3	4887.8
50°	5229.5	5212.9	5397.6	5600.8	5759.7	5879.7	5704.3	5375.5	4983.8	4898.9	4885.9
52.5°	4825.0	4906.3	5103.9	5382.8	5704.3	5896.4	5767.1	5414.2	5017.1	4921.0	4889.6
55°	3905.1	3809.0	4169.2	4638.4	5229.5	5763.4	5744.9	5434.6	5037.4	4958.0	4915.5
57.5°	2179.7	2207.4	2410.6	2920.5	3683.4	4570.1	5107.6	5220.3	5028.2	4982.0	5004.2
60°	1008.6	1017.8	1104.6	1342.9	1815.8	2591.7	3299.2	4017.7	4348.4	4414.9	4414.9
62.5°	751.8	748.1	770.3	812.8	912.5	1191.5	1590.5	2161.3	2615.7	2933.4	3016.5
65°	679.8	677.9	689.0	703.8	711.2	750.0	838.6	1014.1	1161.9	1246.9	1232.1
67.5°	594.8	593.0	596.7	605.9	618.8	639.1	661.3	698.3	750.0	746.3	737.0
70°	480.3	480.3	485.8	493.2	508.0	532.0	557.9	583.7	628.1	637.3	635.4
72.5°	354.7	349.1	360.2	375.0	389.8	419.3	447.0	471.0	502.4	511.7	508.0
75°	225.4	229.1	236.4	253.1	278.9	299.3	328.8	349.1	369.4	376.8	378.7
77.5°	125.6	129.3	142.2	162.6	188.4	210.6	236.4	253.1	266.0	267.8	269.7
80°	75.7	77.6	90.5	109.0	131.2	155.2	175.5	192.1	203.2	197.7	195.8
82.5°	46.2	48.0	59.1	75.7	94.2	112.7	134.8	149.6	160.7	153.3	145.9
85°	24.0	25.9	35.1	46.2	61.0	70.2	70.2	62.8	61.0	57.3	55.4
87.5°	7.4	7.4	9.2	11.1	9.2	11.1	12.9	14.8	14.8	16.6	14.8
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)