

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: P527788

Luminaire Tested: **GALN-SA2D-750-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527788
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-SA2D-750-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 5000K, 1200mA 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: 13631 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

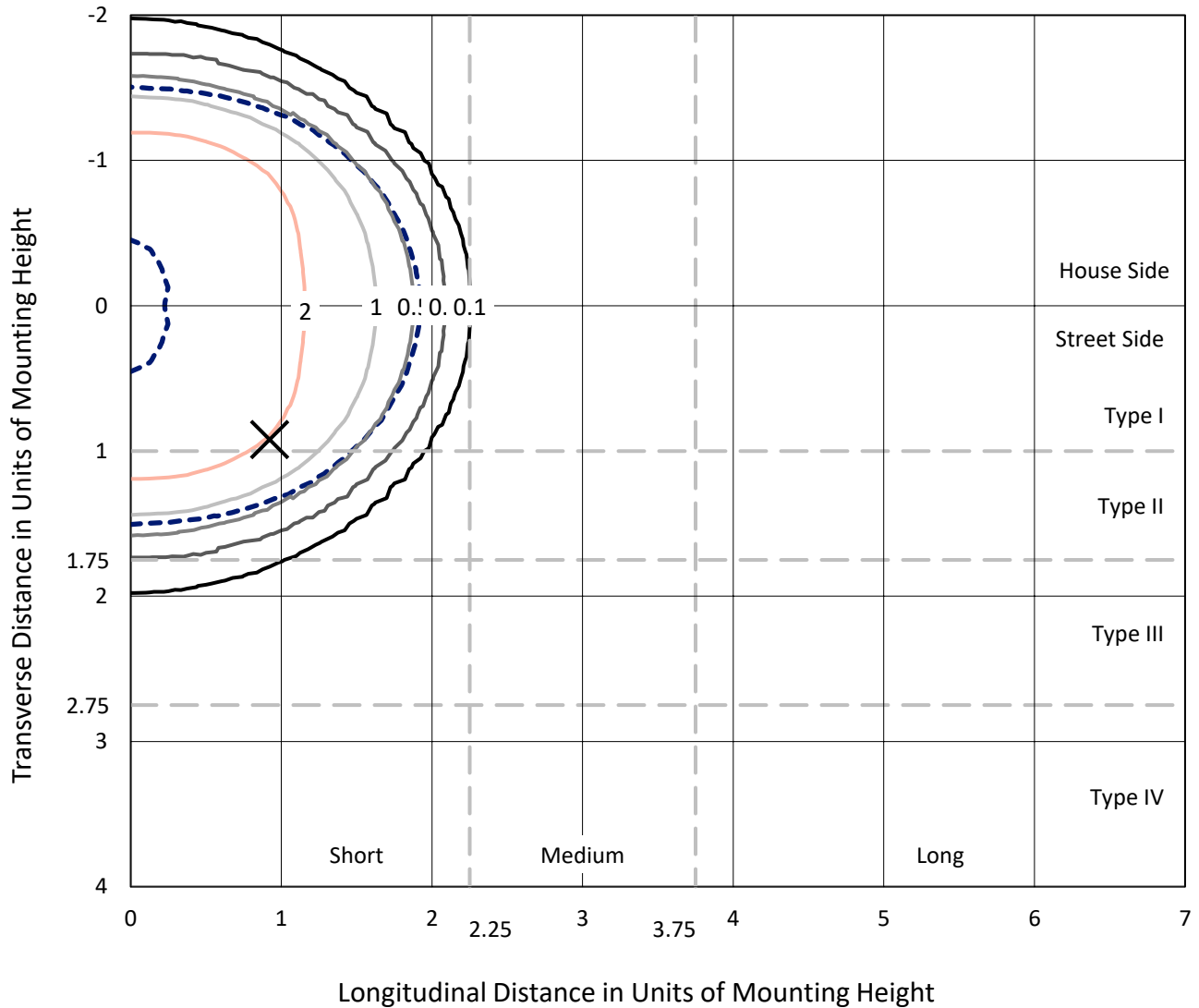
Input Watts (W): 125
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

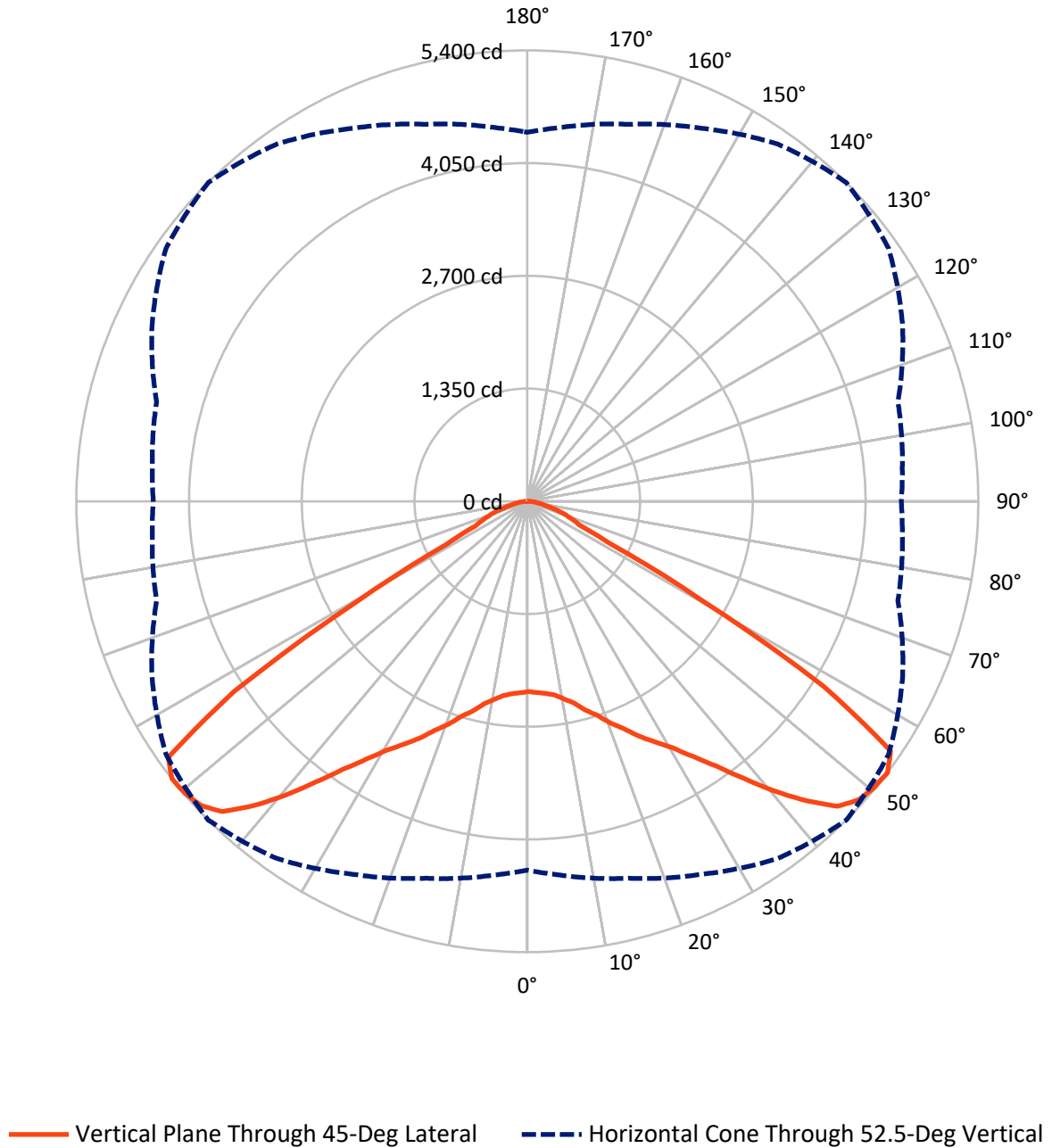
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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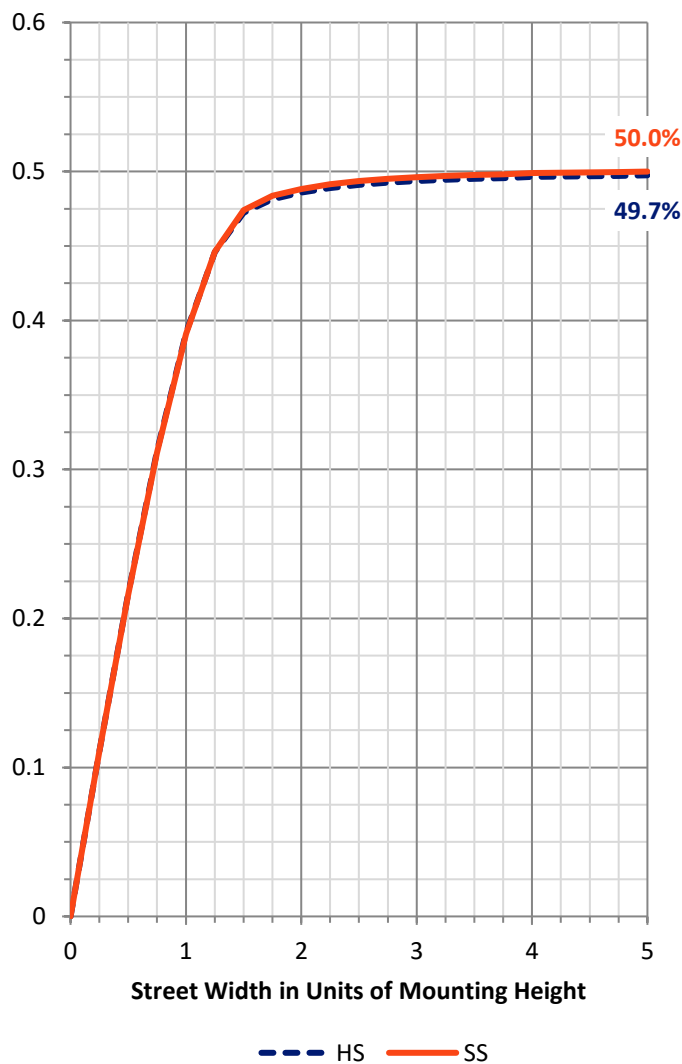
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6815.5	0.0	6815.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6815.5	0.0	6815.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13631.0	0.0	13631.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.9	1.6
10°-20°	735.6	5.4
20°-30°	1400.5	10.3
30°-40°	2404.7	17.6
40°-50°	3696.2	27.1
50°-60°	3753.4	27.5
60°-70°	1046.0	7.7
70°-80°	308.6	2.3
80°-90°	62.1	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°	13631.0	100.0
0°-180°	13631.0	100.0

Coefficient of Utilization



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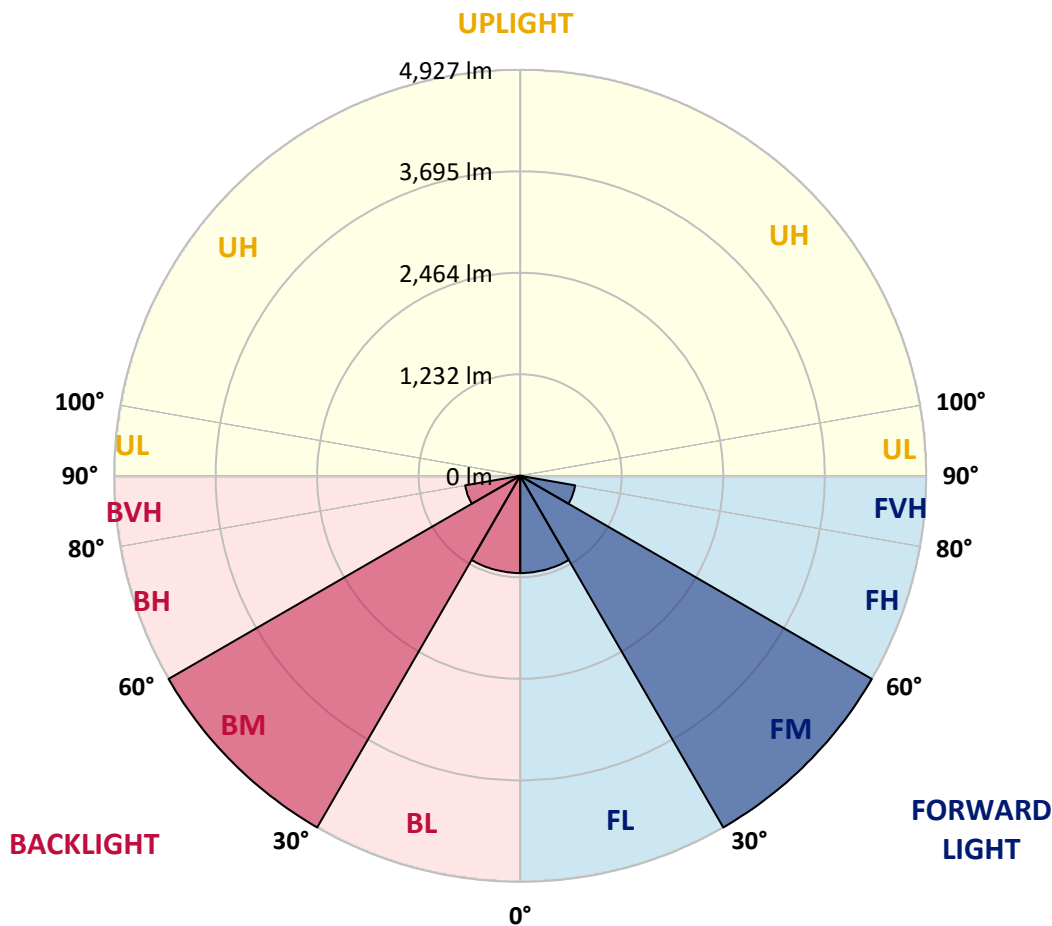
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1180.0	8.7			
FM (30°-60°)	4927.2	36.1			
FH (60°-80°)	677.3	5.0			G1/1800
FVH (80°-90°)	31.1	0.2			G1/100
BL (0°-30°)	1180.0	8.7	B3/2500		
BM (30°-60°)	4927.2	36.1	B3/5000		
BH (60°-80°)	677.3	5.0	B2/1000		G1/1800
BVH (80°-90°)	31.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2278.6	2278.6	2278.6	2278.6	2278.6	2278.6	2278.6	2278.6	2278.6	2278.6	2278.6
2.5°	2283.7	2260.0	2268.5	2273.5	2295.5	2293.8	2288.8	2295.5	2302.3	2304.0	2300.6
5°	2282.0	2265.1	2271.8	2276.9	2298.9	2310.7	2307.4	2336.1	2356.4	2351.3	2376.7
7.5°	2268.5	2278.6	2270.1	2295.5	2314.1	2342.9	2373.3	2400.4	2425.8	2454.5	2459.6
10°	2298.9	2298.9	2314.1	2334.4	2383.5	2405.5	2449.5	2488.4	2537.4	2571.3	2557.7
12.5°	2331.0	2336.1	2336.1	2388.6	2429.2	2478.2	2518.8	2571.3	2640.6	2681.2	2701.5
15°	2363.2	2366.6	2383.5	2454.5	2515.4	2593.2	2630.5	2677.8	2716.7	2792.9	2794.5
17.5°	2391.9	2410.5	2461.3	2540.8	2616.9	2691.4	2750.6	2799.6	2833.4	2863.9	2857.1
20°	2500.2	2513.7	2566.2	2645.7	2759.0	2831.8	2852.1	2860.5	2882.5	2943.4	2924.8
22.5°	2605.1	2610.2	2659.2	2781.0	2860.5	2956.9	2978.9	2973.9	2982.3	2997.5	3024.6
25°	2713.3	2721.8	2789.5	2892.7	3004.3	3119.3	3137.9	3099.0	3087.2	3104.1	3105.8
27.5°	2852.1	2853.7	2940.0	3029.7	3156.5	3264.8	3293.6	3263.1	3207.3	3220.8	3242.8
30°	3028.0	3016.1	3102.4	3231.0	3364.6	3425.5	3474.6	3459.3	3398.4	3386.6	3368.0
32.5°	3231.0	3234.4	3312.2	3452.6	3540.5	3642.0	3694.5	3669.1	3630.2	3609.9	3621.7
35°	3516.9	3532.1	3584.5	3701.2	3843.3	3894.1	3977.0	3922.8	3821.4	3846.7	3868.7
37.5°	3752.0	3796.0	3894.1	4032.8	4117.4	4210.4	4240.9	4168.1	4093.7	4063.3	4136.0
40°	4112.3	4098.8	4207.0	4345.8	4470.9	4564.0	4525.1	4452.3	4267.9	4269.6	4289.9
42.5°	4421.9	4428.6	4511.5	4677.3	4848.2	4905.7	4782.2	4604.6	4399.9	4377.9	4421.9
45°	4682.4	4709.4	4756.8	4978.4	5145.9	5208.5	4980.1	4770.3	4496.3	4405.0	4477.7
47.5°	4775.4	4819.4	4922.6	5125.6	5291.4	5342.1	5159.4	4858.3	4586.0	4437.1	4476.0
50°	4789.0	4773.7	4942.9	5129.0	5274.4	5384.4	5223.7	4922.6	4564.0	4486.2	4474.3
52.5°	4418.5	4492.9	4673.9	4929.4	5223.7	5399.6	5281.2	4958.1	4594.4	4506.5	4477.7
55°	3576.1	3488.1	3818.0	4247.6	4789.0	5277.8	5260.9	4976.7	4613.0	4540.3	4501.4
57.5°	1996.1	2021.5	2207.6	2674.4	3373.1	4185.0	4677.3	4780.5	4604.6	4562.3	4582.6
60°	923.6	932.1	1011.6	1229.8	1662.9	2373.3	3021.2	3679.3	3982.1	4043.0	4043.0
62.5°	688.5	685.1	705.4	744.3	835.7	1091.1	1456.5	1979.2	2395.3	2686.3	2762.4
65°	622.5	620.8	631.0	644.5	651.3	686.8	768.0	928.7	1064.0	1141.8	1128.3
67.5°	544.7	543.0	546.4	554.8	566.7	585.3	605.6	639.4	686.8	683.4	675.0
70°	439.8	439.8	444.9	451.7	465.2	487.2	510.9	534.5	575.1	583.6	581.9
72.5°	324.8	319.7	329.9	343.4	356.9	384.0	409.4	431.4	460.1	468.6	465.2
75°	206.4	209.8	216.5	231.8	255.4	274.0	301.1	319.7	338.3	345.1	346.8
77.5°	115.0	118.4	130.3	148.9	172.5	192.8	216.5	231.8	243.6	245.3	247.0
80°	69.4	71.0	82.9	99.8	120.1	142.1	160.7	175.9	186.1	181.0	179.3
82.5°	42.3	44.0	54.1	69.4	86.3	103.2	123.5	137.0	147.2	140.4	133.6
85°	22.0	23.7	32.1	42.3	55.8	64.3	64.3	57.5	55.8	52.4	50.7
87.5°	6.8	6.8	8.5	10.1	8.5	10.1	11.8	13.5	13.5	15.2	13.5
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)