

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: P528665

Luminaire Tested: **GALN-SA3D-735-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528665
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3D-735-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14778 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

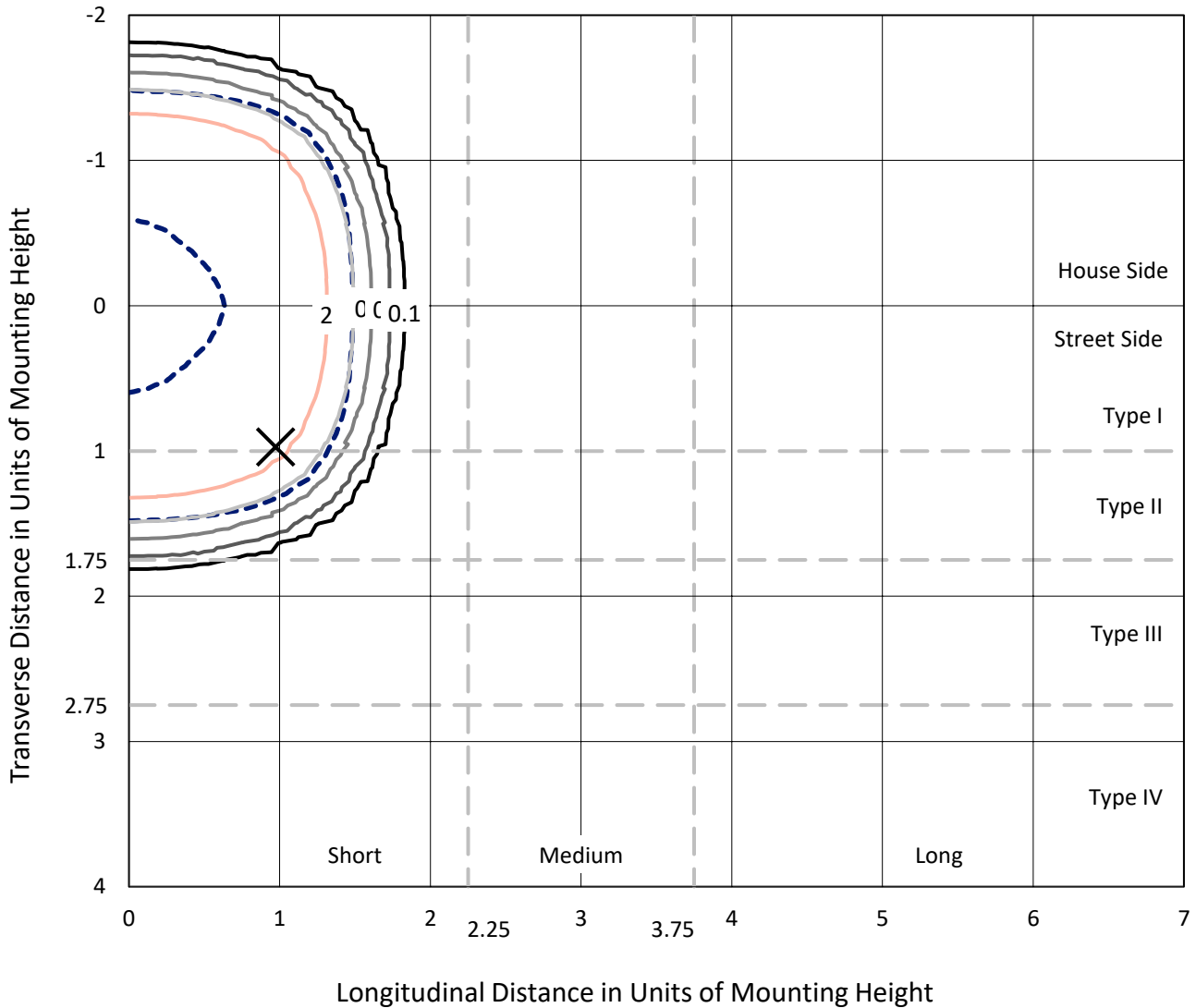
Input Watts (W): 184
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

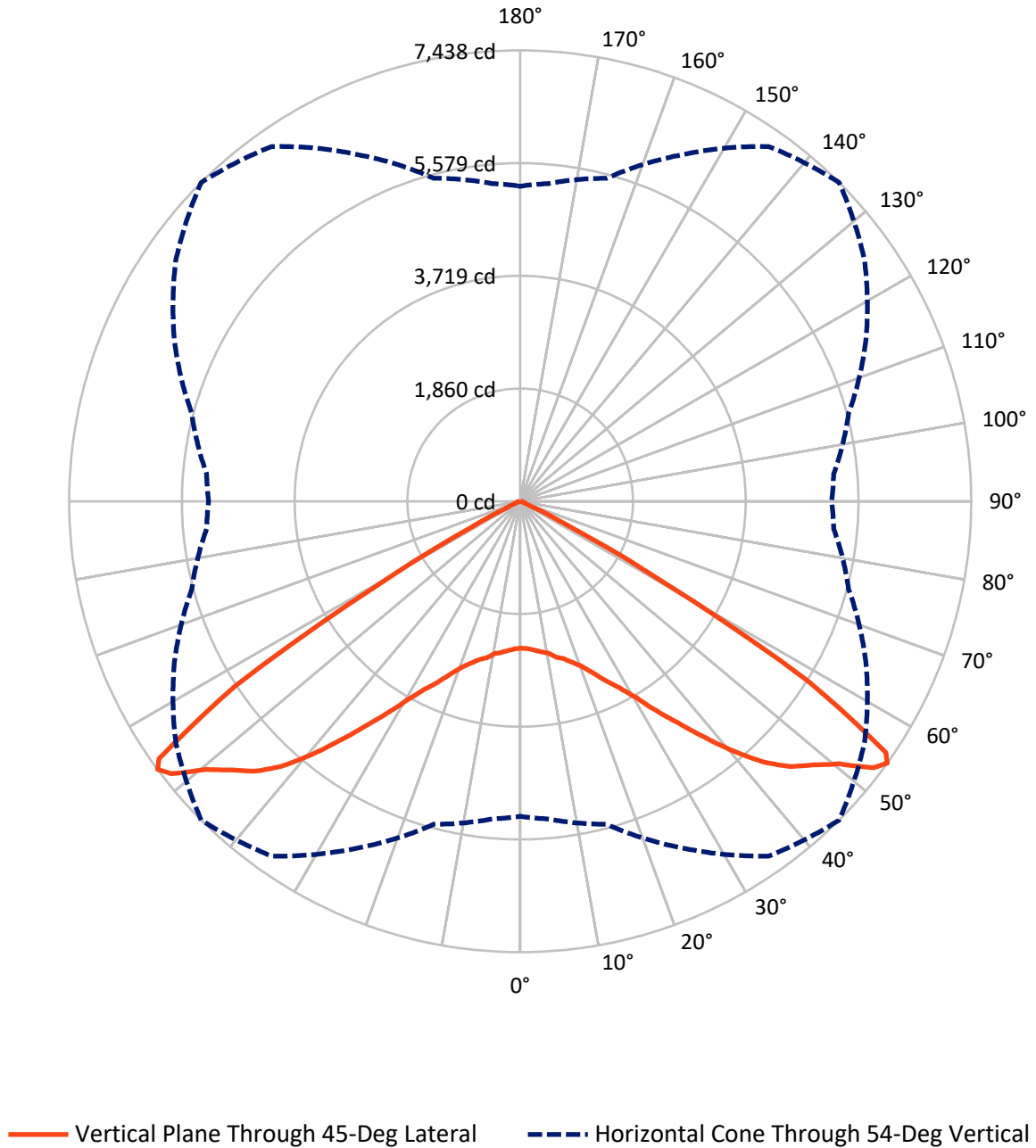
✕ Max cd
 - - - 1/2 Max cd



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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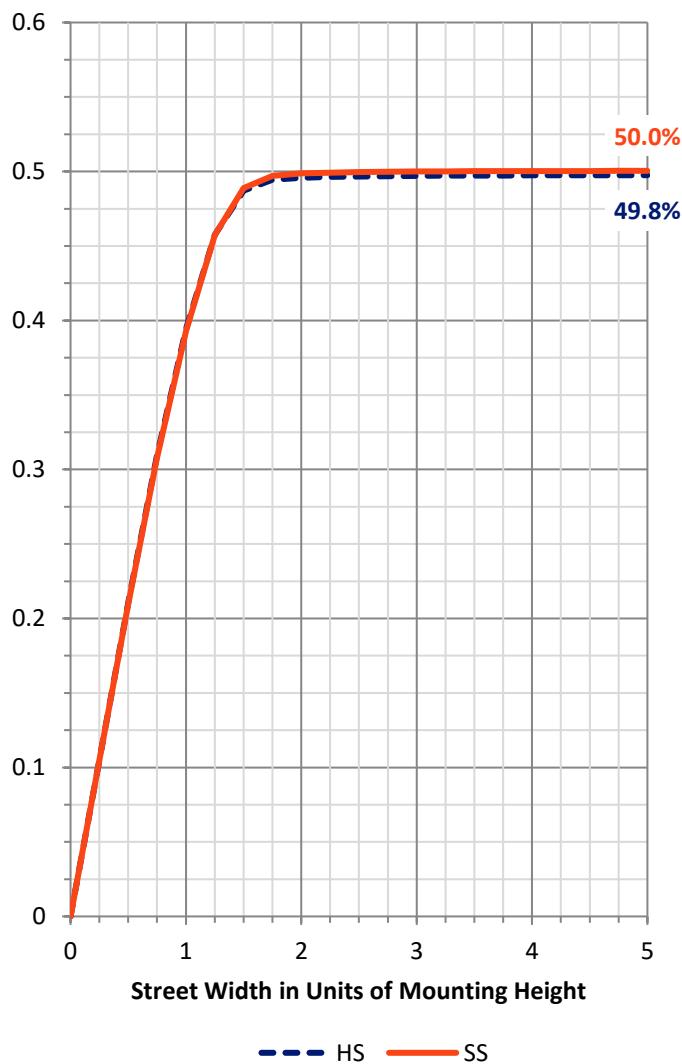
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7389.0	0.0	7389.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7389.0	0.0	7389.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14778.0	0.0	14778.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.2	1.6
10°-20°	768.0	5.2
20°-30°	1505.3	10.2
30°-40°	2706.9	18.3
40°-50°	4633.6	31.4
50°-60°	4483.5	30.3
60°-70°	383.8	2.6
70°-80°	45.5	0.3
80°-90°	14.3	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°	14778.0	100.0
0°-180°	14778.0	100.0

Coefficient of Utilization

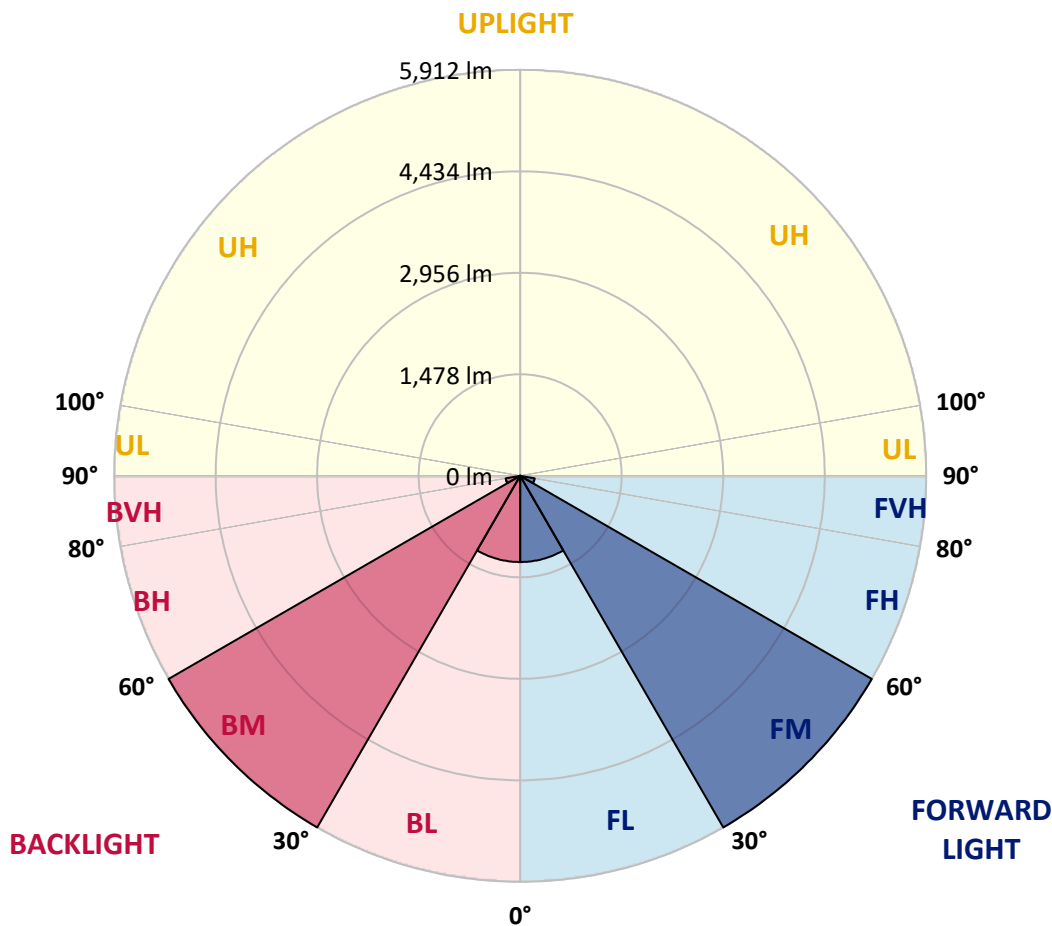


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1255.3	8.5			
FM (30°-60°)	5912.0	40.0			
FH (60°-80°)	214.6	1.5			G0/660
FVH (80°-90°)	7.1	0.0			G0/10
BL (0°-30°)	1255.3	8.5	B3/2500		
BM (30°-60°)	5912.0	40.0	B4/8500		
BH (60°-80°)	214.6	1.5	B1/500		G0/660
BVH (80°-90°)	7.1	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°	2423.1	2423.1	2423.1	2423.1	2423.1	2423.1	2423.1	2423.1	2423.1	2423.1	2423.1
2.5°	2434.8	2448.9	2439.5	2446.5	2446.5	2434.8	2441.9	2413.8	2432.5	2418.4	2420.8
5°	2472.3	2470.0	2470.0	2472.3	2462.9	2467.6	2458.2	2448.9	2441.9	2432.5	2460.6
7.5°	2519.1	2519.1	2502.7	2507.4	2502.7	2509.8	2491.0	2472.3	2465.3	2458.2	2453.6
10°	2563.6	2558.9	2551.9	2573.0	2556.6	2547.2	2537.8	2526.1	2500.4	2491.0	2481.7
12.5°	2629.2	2626.8	2617.5	2638.5	2629.2	2638.5	2603.4	2573.0	2568.3	2537.8	2554.2
15°	2706.4	2727.5	2711.1	2711.1	2706.4	2694.7	2680.7	2666.6	2624.5	2612.8	2615.1
17.5°	2807.1	2800.1	2802.4	2802.4	2825.8	2795.4	2767.3	2732.2	2711.1	2704.1	2680.7
20°	2903.1	2912.4	2910.1	2926.5	2940.5	2907.8	2877.3	2872.6	2814.1	2823.5	2790.7
22.5°	3071.6	3064.6	3076.3	3088.0	3078.7	3074.0	3045.9	3010.8	2959.3	2935.9	2931.2
25°	3249.6	3237.9	3216.8	3244.9	3258.9	3280.0	3226.2	3207.4	3127.8	3092.7	3095.1
27.5°	3401.7	3418.1	3441.5	3453.3	3488.4	3481.3	3443.9	3383.0	3322.1	3282.3	3256.6
30°	3610.1	3619.5	3659.3	3675.7	3736.5	3752.9	3694.4	3624.2	3516.5	3465.0	3434.5
32.5°	3802.1	3867.6	3865.3	3947.2	4045.6	4113.5	4008.1	3900.4	3792.7	3731.9	3678.0
35°	4113.5	4101.8	4169.7	4256.3	4415.5	4492.7	4378.0	4253.9	4090.1	3991.7	3949.6
37.5°	4403.8	4408.5	4499.8	4637.9	4820.5	4939.9	4839.2	4635.6	4467.0	4340.6	4282.0
40°	4825.2	4834.6	4928.2	5085.1	5291.1	5419.9	5302.8	5096.8	4872.0	4773.7	4773.7
42.5°	5319.2	5359.0	5419.9	5555.6	5740.6	5883.4	5778.1	5616.5	5389.4	5263.0	5281.7
45°	5827.2	5846.0	5885.8	6087.1	6173.7	6244.0	6145.6	6070.7	5918.5	5764.0	5738.3
47.5°	6302.5	6309.5	6426.6	6489.8	6557.7	6499.1	6562.4	6464.0	6293.1	6143.3	6112.8
50°	6513.2	6501.5	6667.7	6859.7	6911.2	6808.2	6754.3	6688.8	6428.9	6248.6	6169.0
52.5°	5899.8	5967.7	6276.7	6810.5	7213.2	7299.8	6986.1	6684.1	6199.5	5848.3	5794.4
54°	5197.4	5260.7	5515.8	6307.2	7145.3	7438.0	6932.3	6290.8	5607.1	5190.4	5136.6
55°	4502.1	4431.9	4895.4	5703.1	6826.9	7316.2	6719.2	5782.7	5000.8	4619.2	4544.2
57.5°	2437.2	2448.9	2839.9	3603.1	4797.1	5609.5	4954.0	3912.1	2954.6	2526.1	2488.7
60°	772.6	791.3	962.2	1456.2	2292.0	2736.9	2345.9	1570.9	1086.3	870.9	835.8
62.5°	241.1	250.5	273.9	407.4	627.4	896.7	702.4	421.4	313.7	288.0	292.6
65°	147.5	147.5	149.8	159.2	187.3	217.7	210.7	185.0	177.9	173.2	170.9
67.5°	96.0	93.6	98.3	105.4	110.0	112.4	119.4	126.4	124.1	119.4	119.4
70°	58.5	56.2	60.9	70.2	72.6	77.3	84.3	93.6	91.3	86.6	89.0
72.5°	32.8	32.8	35.1	42.1	49.2	53.8	60.9	67.9	70.2	67.9	67.9
75°	11.7	14.0	18.7	25.8	30.4	37.5	44.5	51.5	58.5	53.8	51.5
77.5°	4.7	4.7	9.4	16.4	23.4	30.4	42.1	49.2	53.8	49.2	44.5
80°	2.3	2.3	7.0	14.0	21.1	28.1	35.1	42.1	44.5	39.8	35.1
82.5°	2.3	2.3	7.0	14.0	21.1	25.8	37.5	42.1	46.8	42.1	35.1
85°	0.0	2.3	7.0	14.0	18.7	21.1	21.1	14.0	11.7	7.0	7.0
87.5°	0.0	0.0	2.3	0.0	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)