

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: P528382

Luminaire Tested: **GALN-SA3C-727-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528382
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3C-727-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14891 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

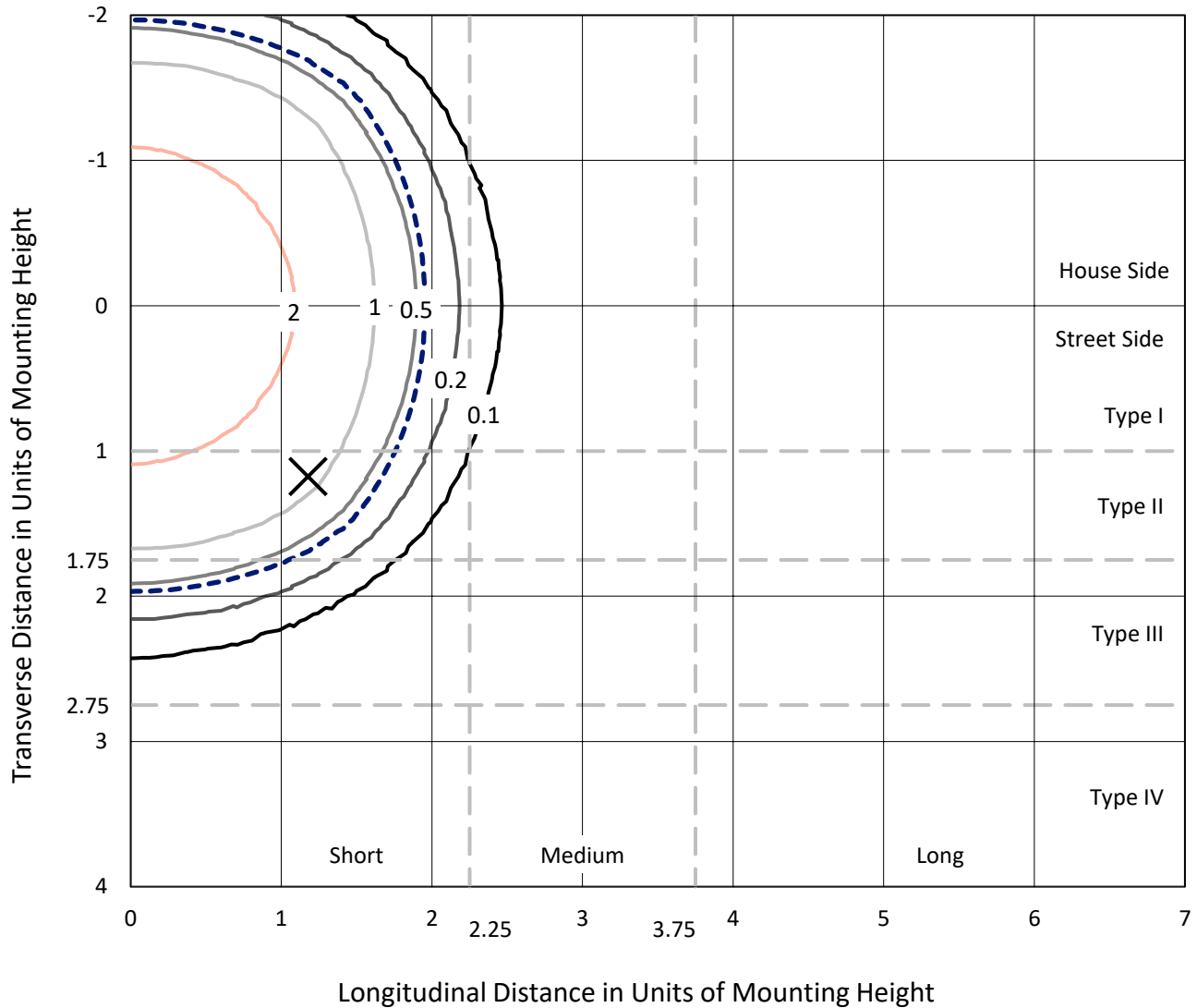
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

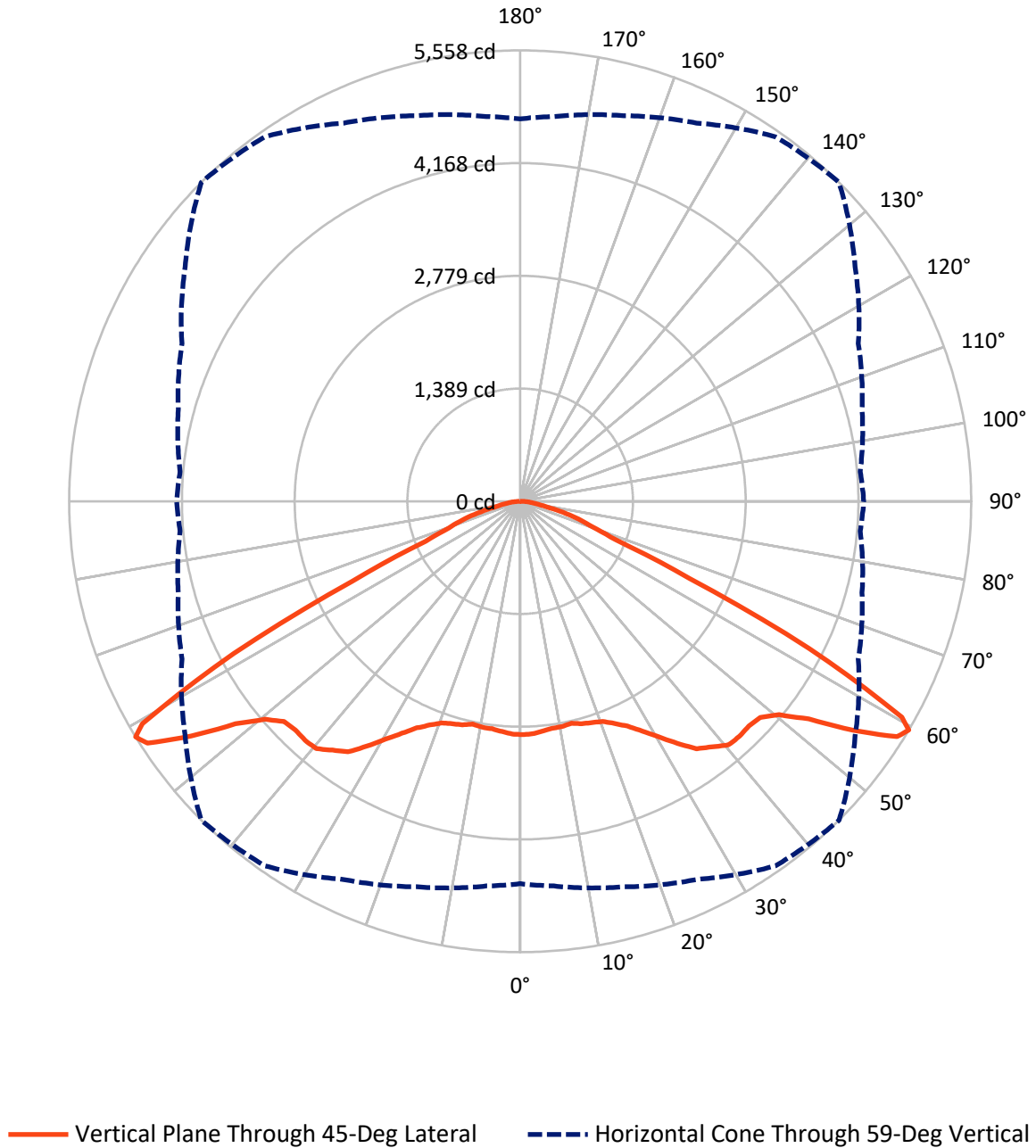
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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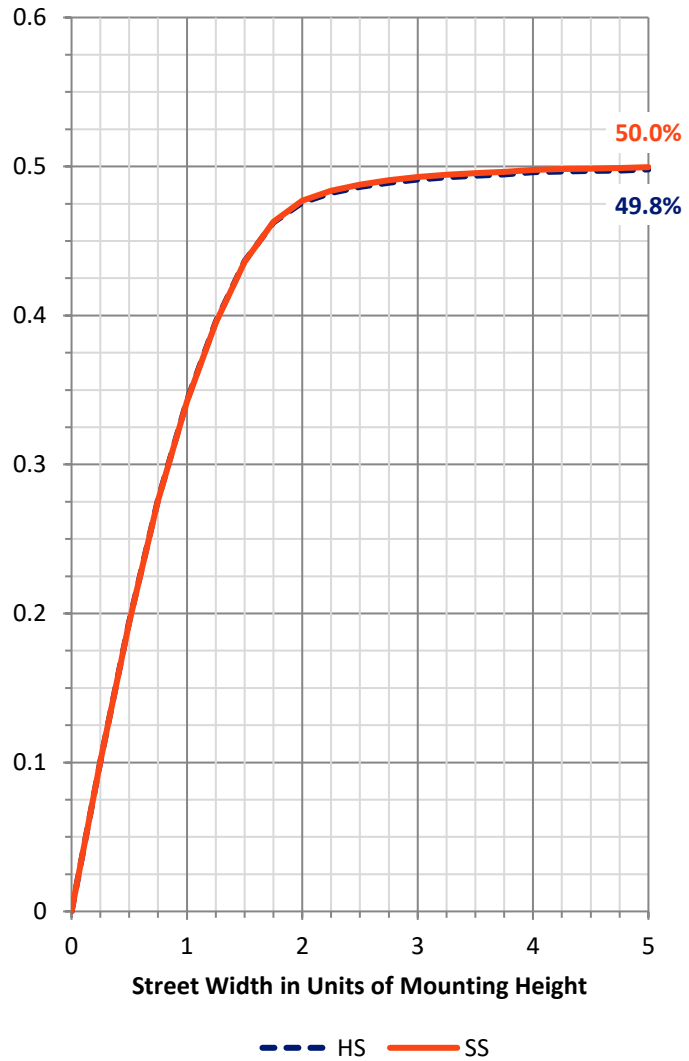
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7445.5	0.0	7445.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7445.5	0.0	7445.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14891.0	0.0	14891.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.1	1.8
10°-20°	806.3	5.4
20°-30°	1407.9	9.5
30°-40°	2248.6	15.1
40°-50°	3063.1	20.6
50°-60°	4142.1	27.8
60°-70°	2271.6	15.3
70°-80°	581.1	3.9
80°-90°	99.1	0.7
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°	14891.0	100.0
0°-180°	14891.0	100.0

Coefficient of Utilization

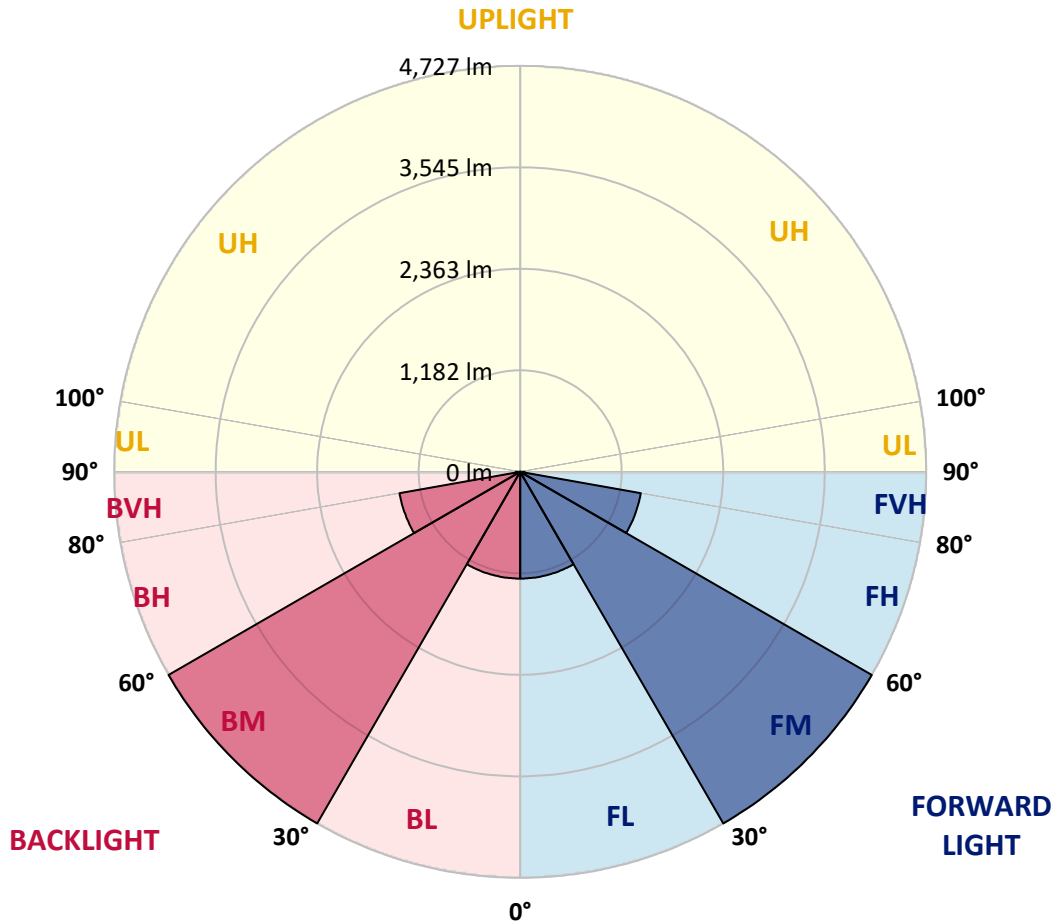


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1242.7	8.3			
FM (30°-60°)	4726.9	31.7			
FH (60°-80°)	1426.3	9.6			G1/1800
FVH (80°-90°)	49.6	0.3			G1/100
BL (0°-30°)	1242.7	8.3	B3/2500		
BM (30°-60°)	4726.9	31.7	B3/5000		
BH (60°-80°)	1426.3	9.6	B3/2500		G1/1800
BVH (80°-90°)	49.6	0.3			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°	2876.2	2876.2	2876.2	2876.2	2876.2	2876.2	2876.2	2876.2	2876.2	2876.2	2876.2
2.5°	2859.1	2880.0	2864.8	2878.1	2876.2	2870.5	2861.0	2855.2	2847.6	2859.1	2840.0
5°	2847.6	2864.8	2882.0	2859.1	2859.1	2847.6	2841.9	2830.4	2830.4	2828.5	2826.6
7.5°	2866.7	2849.5	2841.9	2845.7	2849.5	2824.7	2841.9	2819.0	2799.9	2813.2	2828.5
10°	2849.5	2857.1	2828.5	2841.9	2820.9	2824.7	2813.2	2828.5	2807.5	2807.5	2807.5
12.5°	2866.7	2845.7	2855.2	2845.7	2840.0	2807.5	2822.8	2805.6	2803.7	2822.8	2805.6
15°	2901.0	2866.7	2859.1	2840.0	2845.7	2845.7	2830.4	2832.3	2811.3	2822.8	2826.6
17.5°	2889.6	2870.5	2864.8	2841.9	2861.0	2866.7	2838.1	2819.0	2832.3	2830.4	2828.5
20°	2899.1	2906.8	2901.0	2904.9	2912.5	2897.2	2870.5	2843.8	2826.6	2851.4	2849.5
22.5°	2960.2	2952.6	2948.8	2944.9	2958.3	2973.6	2937.3	2895.3	2895.3	2912.5	2920.1
25°	3009.8	3007.9	3006.0	3023.2	3069.0	3069.0	3023.2	2969.7	2956.4	2967.8	2958.3
27.5°	3082.4	3103.4	3095.7	3126.3	3193.1	3208.3	3147.2	3084.3	3048.0	3034.6	3051.8
30°	3248.4	3223.6	3229.3	3261.8	3320.9	3370.6	3277.0	3210.2	3160.6	3158.7	3166.3
32.5°	3359.1	3378.2	3395.4	3425.9	3519.4	3557.6	3445.0	3336.2	3305.7	3288.5	3294.2
35°	3580.5	3563.3	3559.5	3590.0	3683.6	3746.5	3605.3	3509.9	3469.8	3508.0	3508.0
37.5°	3790.4	3742.7	3706.5	3746.5	3832.4	3840.1	3719.8	3668.3	3647.3	3691.2	3689.3
40°	3889.7	3885.9	3801.9	3824.8	3939.3	3950.8	3838.2	3777.1	3773.3	3830.5	3887.8
42.5°	3992.7	3956.5	3872.5	3887.8	3958.4	3962.2	3855.3	3838.2	3880.1	3935.5	3939.3
45°	4009.9	3979.4	3925.9	3887.8	3939.3	3950.8	3887.8	3899.2	3903.0	3969.8	3969.8
47.5°	4044.3	4040.5	4009.9	3981.3	3990.8	3981.3	3941.2	3958.4	4015.7	4048.1	4032.8
50°	4139.7	4099.6	4130.2	4105.4	4107.3	4134.0	4097.7	4114.9	4103.4	4074.8	4055.7
52.5°	4349.7	4330.6	4357.3	4374.5	4393.5	4454.6	4412.6	4321.0	4235.1	4158.8	4156.9
55°	4656.9	4670.3	4721.8	4809.6	4884.1	4981.4	4779.1	4559.6	4422.2	4301.9	4309.6
57.5°	4947.0	4937.5	5008.1	5208.5	5426.1	5475.7	5078.7	4765.7	4542.4	4466.1	4433.6
59°	4714.2	4760.0	4920.3	5143.6	5485.3	5557.8	5038.6	4597.8	4361.1	4206.5	4233.2
60°	4347.7	4364.9	4508.1	4819.2	5281.0	5405.1	4769.5	4338.2	4023.3	3933.6	3973.7
62.5°	3072.8	3059.5	3162.5	3416.4	3830.5	3998.5	3546.1	3242.7	3044.2	2944.9	2967.8
65°	1633.7	1694.8	1736.8	1895.2	2114.7	2292.2	2105.2	1973.5	1862.8	1780.7	1778.8
67.5°	1103.2	1095.5	1105.1	1141.3	1215.8	1265.4	1261.6	1194.8	1185.2	1170.0	1187.1
70°	929.5	925.7	908.5	908.5	923.8	935.2	948.6	956.2	971.5	990.6	988.6
72.5°	753.9	744.3	732.9	727.2	746.3	752.0	769.2	776.8	790.2	788.2	805.4
75°	498.1	498.1	511.5	526.8	532.5	543.9	545.9	568.8	568.8	572.6	557.3
77.5°	278.7	271.0	280.6	295.8	309.2	330.2	351.2	368.4	377.9	374.1	374.1
80°	162.2	162.2	171.8	188.9	206.1	225.2	240.5	253.8	263.4	259.6	251.9
82.5°	101.2	101.2	110.7	127.9	141.2	152.7	173.7	190.9	202.3	198.5	188.9
85°	51.5	51.5	63.0	74.4	91.6	99.2	97.3	89.7	87.8	78.3	78.3
87.5°	13.4	13.4	19.1	21.0	17.2	19.1	19.1	19.1	19.1	19.1	21.0
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)