

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: P531472

Luminaire Tested: **GALN-SA6D-735-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531472
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6D-735-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37719 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

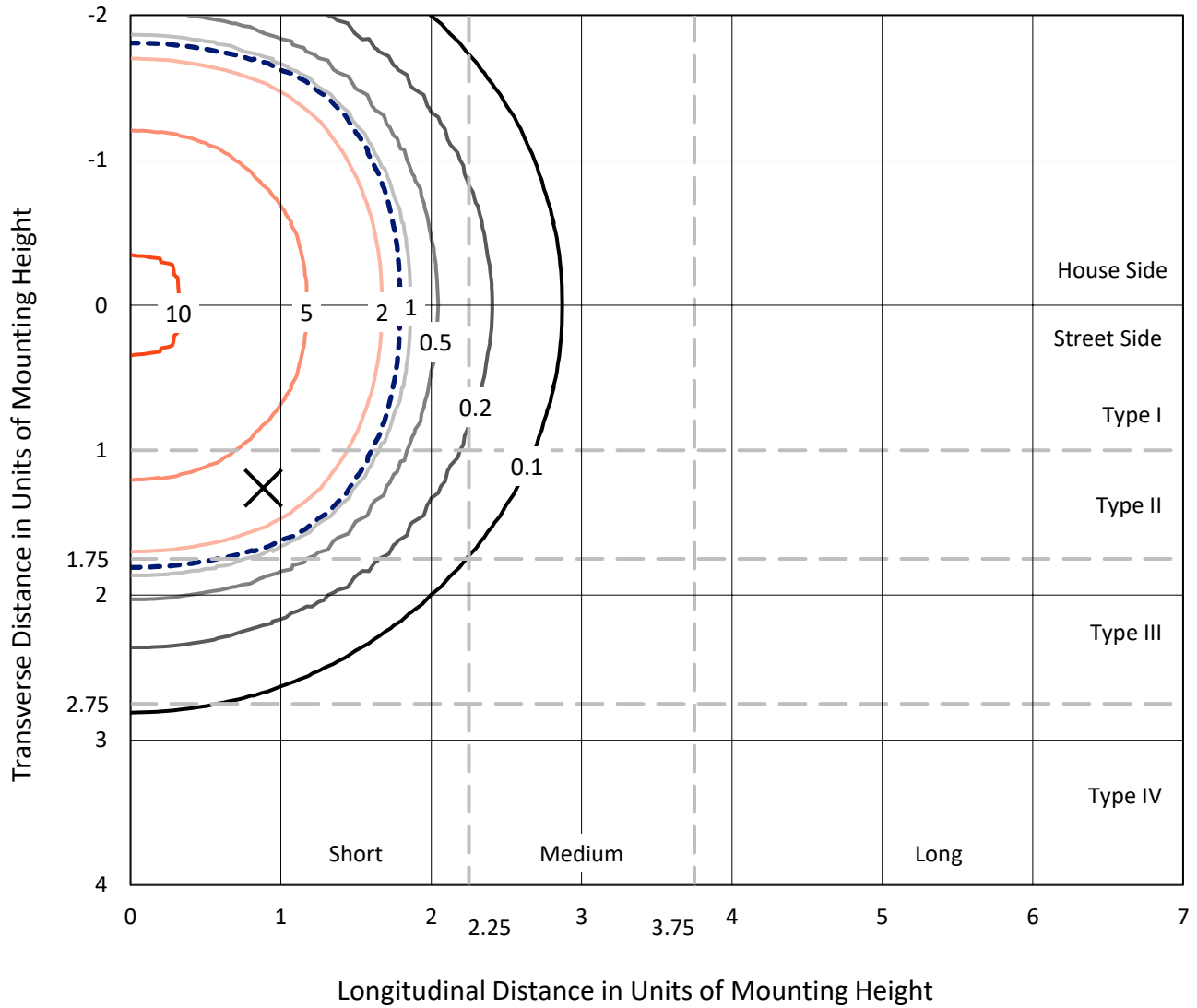
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

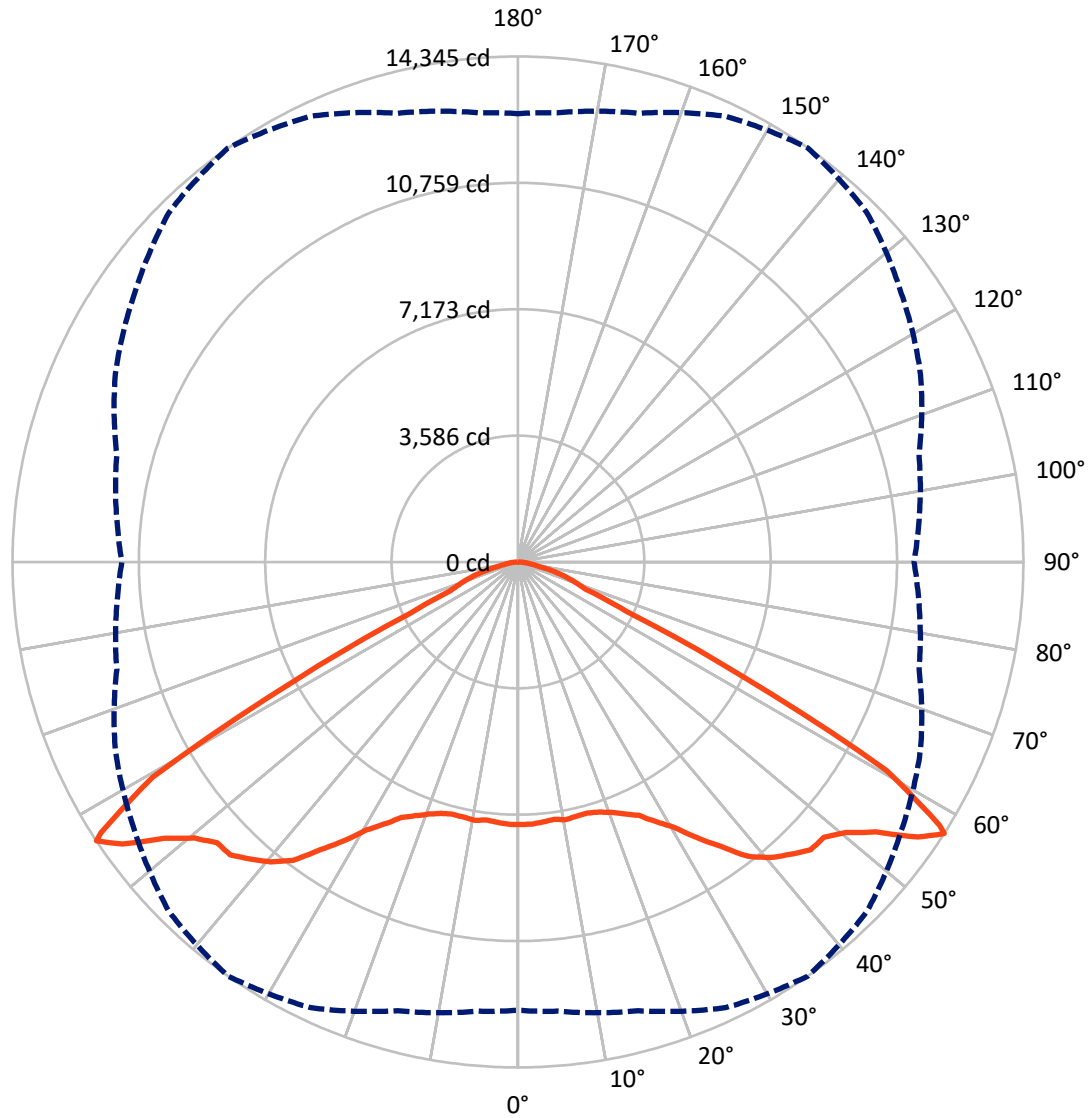
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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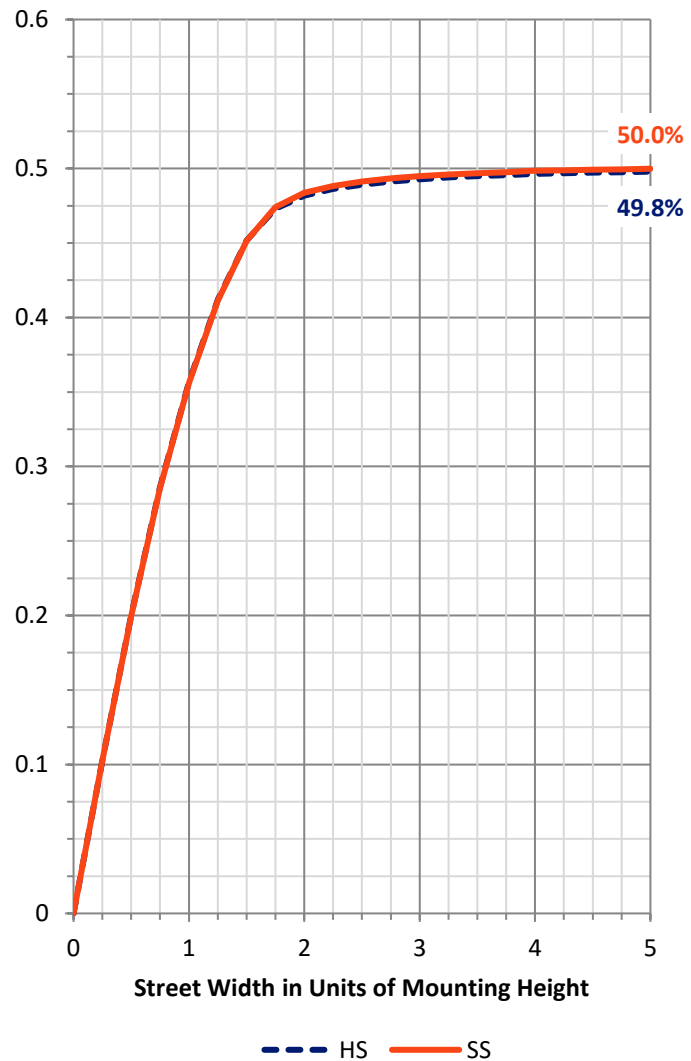
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18859.5	0.0	18859.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18859.5	0.0	18859.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	37719.0	0.0	37719.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	706.2	1.9
10°-20°	2091.6	5.5
20°-30°	3653.0	9.7
30°-40°	5985.5	15.9
40°-50°	8776.2	23.3
50°-60°	11054.3	29.3
60°-70°	4157.4	11.0
70°-80°	1105.4	2.9
80°-90°	189.5	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°	37719.0	100.0
0°-180°	37719.0	100.0



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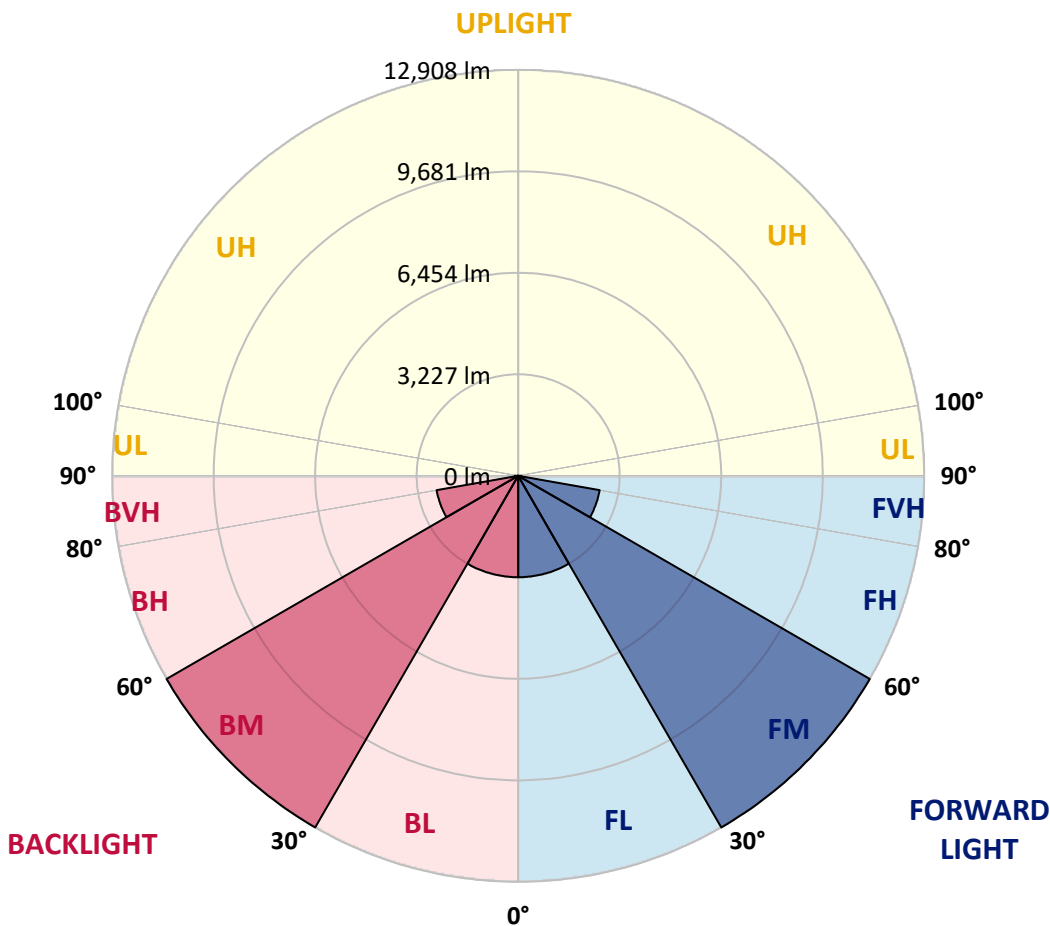
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3225.4	8.6			
FM (30°-60°)	12907.9	34.2			
FH (60°-80°)	2631.4	7.0			G2/5000
FVH (80°-90°)	94.8	0.3			G1/100
BL (0°-30°)	3225.4	8.6	B4/5000		
BM (30°-60°)	12907.9	34.2	B5		
BH (60°-80°)	2631.4	7.0	B4/5000		G2/5000
BVH (80°-90°)	94.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7449.2	7449.2	7449.2	7449.2	7449.2	7449.2	7449.2	7449.2	7449.2	7449.2	7449.2
2.5°	7412.0	7486.4	7453.9	7435.3	7449.2	7426.0	7388.8	7430.6	7421.3	7384.2	7370.2
5°	7393.5	7449.2	7412.0	7449.2	7412.0	7477.1	7458.5	7388.8	7472.5	7393.5	7421.3
7.5°	7379.5	7398.1	7407.4	7388.8	7374.9	7453.9	7412.0	7379.5	7333.0	7319.1	7342.3
10°	7347.0	7393.5	7323.8	7416.7	7435.3	7379.5	7379.5	7319.1	7281.9	7258.7	7337.7
12.5°	7430.6	7351.6	7342.3	7388.8	7402.8	7426.0	7360.9	7328.4	7258.7	7268.0	7254.0
15°	7333.0	7365.6	7370.2	7379.5	7393.5	7449.2	7388.8	7319.1	7291.2	7193.6	7202.9
17.5°	7370.2	7337.7	7370.2	7477.1	7458.5	7500.3	7435.3	7328.4	7263.3	7207.6	7281.9
20°	7435.3	7421.3	7435.3	7565.4	7588.6	7625.8	7570.0	7472.5	7347.0	7281.9	7319.1
22.5°	7505.0	7495.7	7505.0	7630.5	7765.2	7811.7	7755.9	7528.2	7463.2	7342.3	7300.5
25°	7630.5	7639.8	7737.3	7876.8	7965.0	8053.3	7951.1	7788.5	7579.3	7505.0	7416.7
27.5°	7909.3	7932.5	7988.3	8192.8	8346.1	8425.1	8281.0	8058.0	7927.9	7774.5	7751.3
30°	8253.2	8253.2	8350.8	8527.3	8736.5	8857.3	8680.7	8415.8	8257.8	8174.2	8123.0
32.5°	8708.6	8657.5	8694.6	9006.0	9331.3	9433.5	9196.5	8871.2	8620.3	8508.8	8471.6
35°	9098.9	9131.5	9215.1	9549.7	9912.2	10149.2	9777.4	9354.5	9098.9	8996.7	8978.1
37.5°	9605.5	9661.2	9703.0	10163.1	10599.9	10688.2	10330.4	9991.2	9679.8	9596.2	9549.7
40°	10321.1	10283.9	10297.9	10637.1	11032.1	11087.9	10734.7	10493.0	10237.5	10186.3	10186.3
42.5°	10911.3	10869.5	10915.9	11041.4	11343.5	11301.6	11106.5	10929.9	10823.0	10767.2	10823.0
45°	11269.1	11259.8	11343.5	11436.4	11650.2	11510.7	11357.4	11385.3	11283.0	11190.1	11185.5
47.5°	11659.5	11599.0	11701.3	11840.7	11678.0	11613.0	11603.7	11664.1	11631.6	11468.9	11417.8
50°	11850.0	11826.7	11989.4	12152.0	12063.7	11915.0	11947.6	12045.2	11626.9	11408.5	11283.0
52.5°	12361.2	12365.8	12677.2	12765.5	12728.3	12509.9	12579.6	12314.7	11822.1	11515.4	11529.3
55°	13165.1	13132.6	13481.1	13741.3	13783.2	13504.3	13169.7	12798.0	12179.9	11868.6	11775.6
57°	12723.6	12798.0	13183.7	13955.1	14345.4	14015.5	13285.9	12607.5	11784.9	11408.5	11241.2
57.5°	12133.5	12254.3	12923.5	13699.5	14108.5	14080.6	13141.9	12254.3	11520.0	10934.5	10948.5
60°	8889.8	8913.0	9517.2	10748.6	12026.6	12054.5	10911.3	9735.6	8917.7	8281.0	8369.3
62.5°	4688.9	4795.8	5037.4	6027.2	7133.2	7402.8	6710.3	6106.2	5399.9	4916.6	4963.1
65°	2481.5	2467.6	2583.8	2862.6	3406.3	3545.7	3452.8	2974.1	2727.8	2648.8	2653.5
67.5°	2016.8	2040.1	2026.1	2040.1	2077.2	2137.6	2123.7	2142.3	2156.2	2179.5	2174.8
70°	1710.1	1710.1	1719.4	1724.1	1724.1	1751.9	1784.5	1844.9	1849.5	1872.8	1882.1
72.5°	1347.6	1338.4	1352.3	1384.8	1389.5	1412.7	1459.2	1496.4	1510.3	1510.3	1482.4
75°	915.5	924.8	943.4	971.2	999.1	1040.9	1078.1	1101.4	1110.6	1096.7	1082.8
77.5°	515.8	525.1	539.1	580.9	613.4	650.6	692.4	715.6	738.9	743.5	715.6
80°	306.7	306.7	329.9	362.5	399.6	436.8	474.0	501.9	511.2	511.2	497.2
82.5°	185.9	190.5	209.1	241.6	274.2	297.4	329.9	353.2	371.8	367.1	357.8
85°	97.6	97.6	116.2	144.1	167.3	190.5	190.5	176.6	167.3	144.1	134.8
87.5°	32.5	27.9	37.2	37.2	32.5	37.2	37.2	41.8	41.8	41.8	41.8
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)