

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: P531268

Luminaire Tested: **GALN-SA6C-740-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531268
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-SA6C-740-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 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: 35369 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

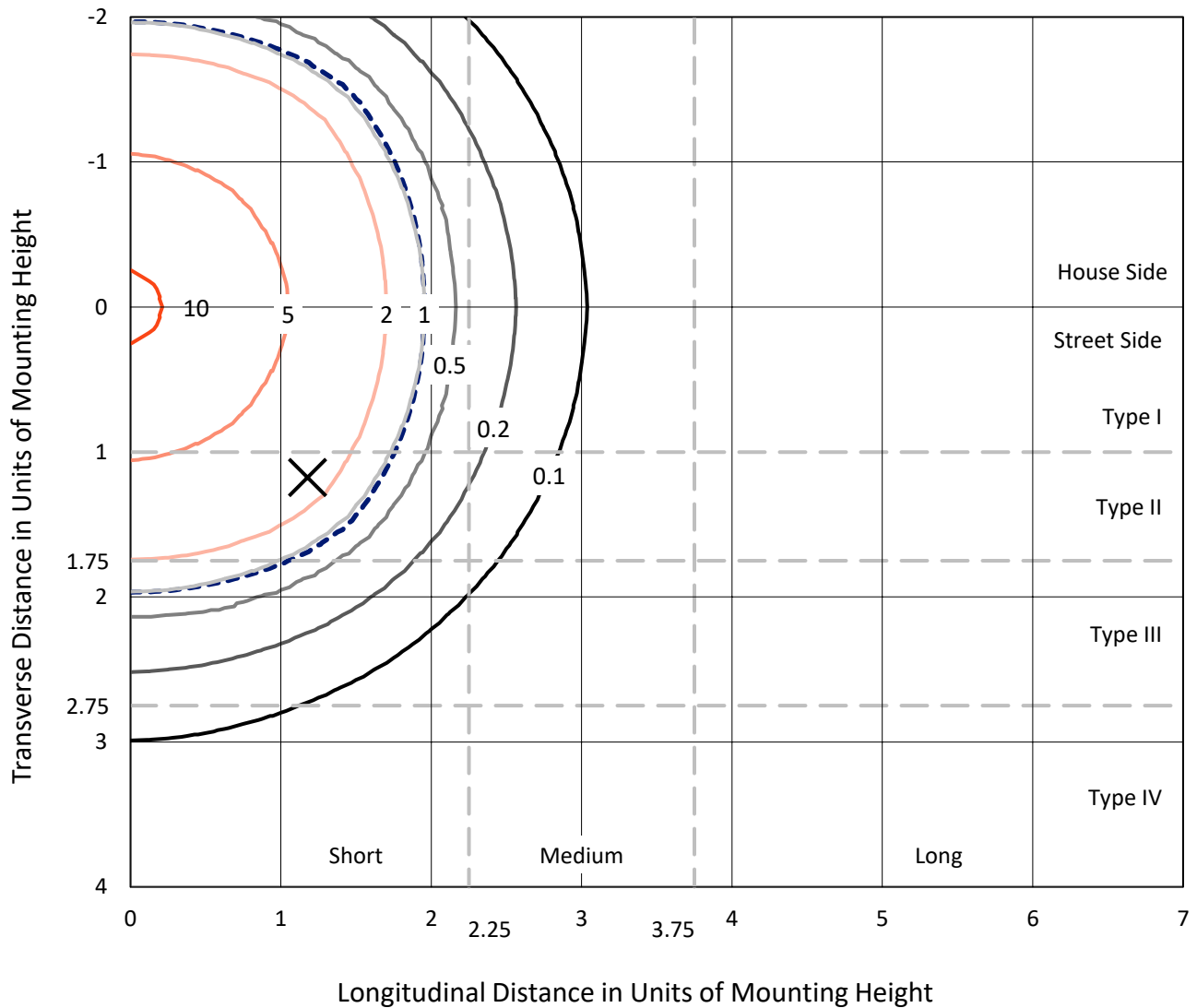
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

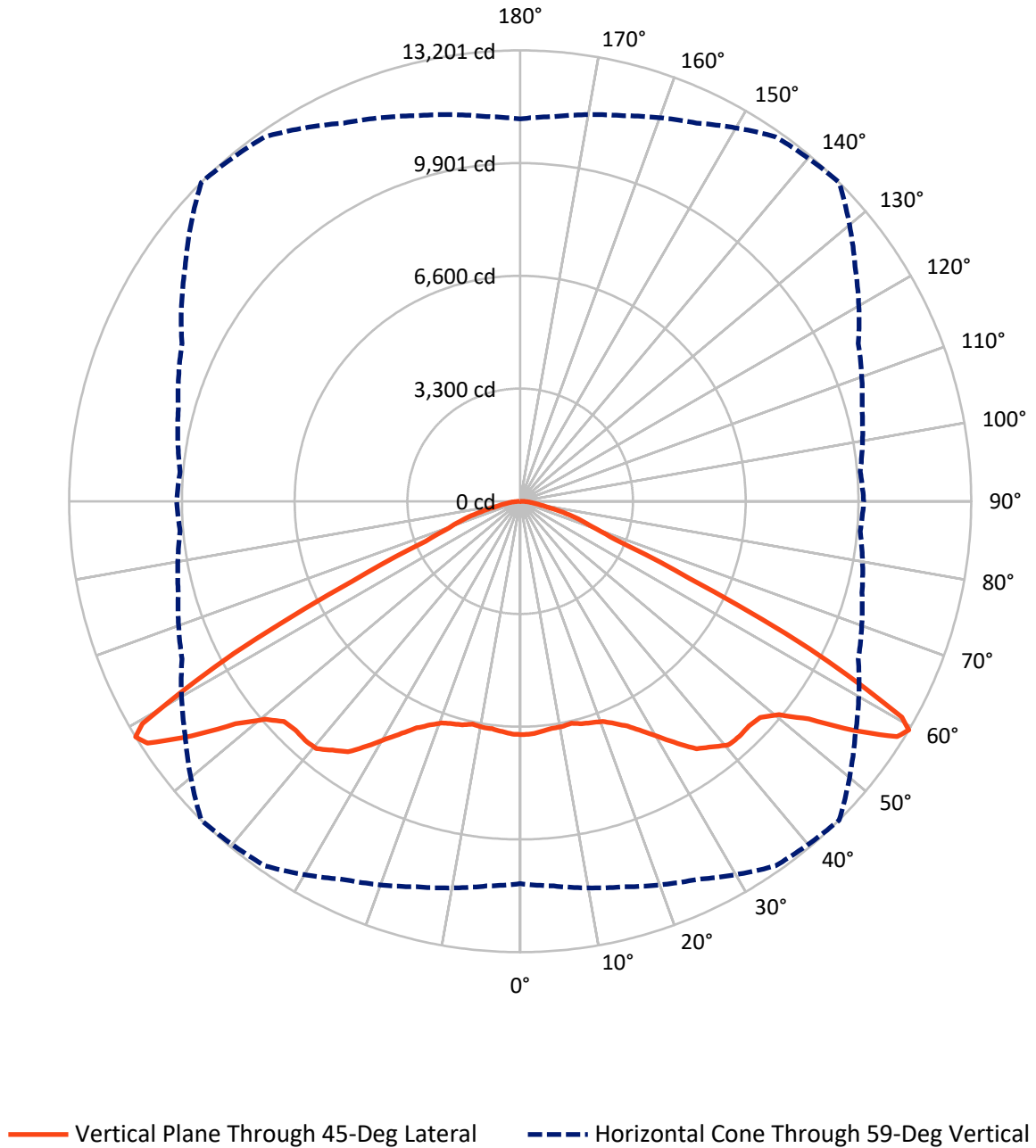
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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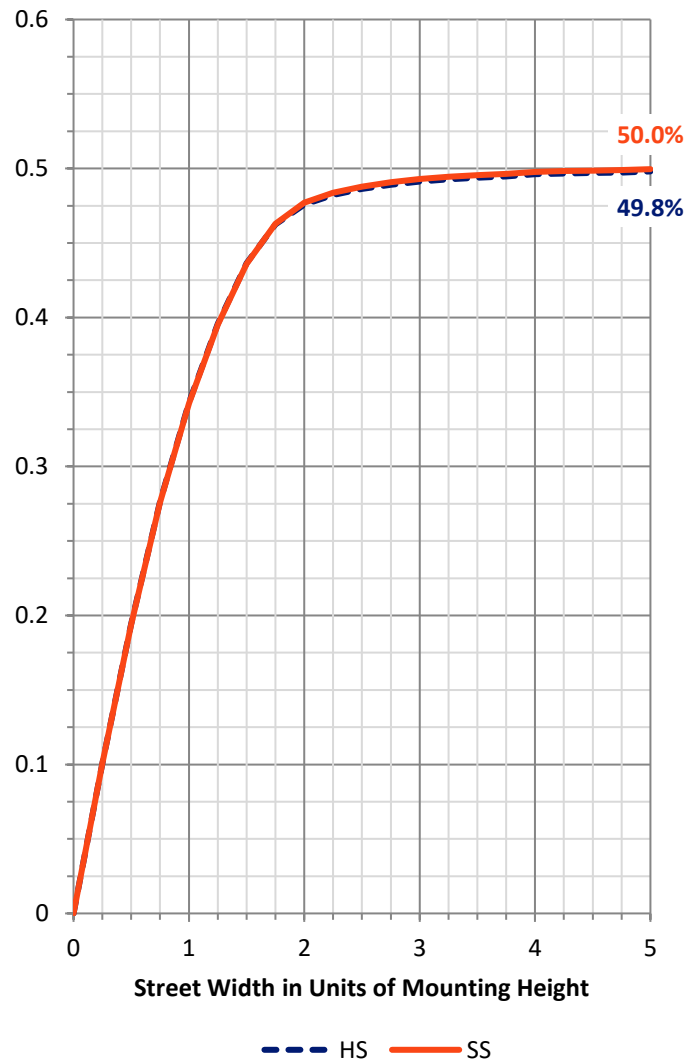
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17684.5	0.0	17684.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17684.5	0.0	17684.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	35369.0	0.0	35369.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	644.0	1.8
10°-20°	1915.1	5.4
20°-30°	3344.1	9.5
30°-40°	5340.9	15.1
40°-50°	7275.4	20.6
50°-60°	9838.3	27.8
60°-70°	5395.4	15.3
70°-80°	1380.3	3.9
80°-90°	235.4	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°	35369.0	100.0
0°-180°	35369.0	100.0



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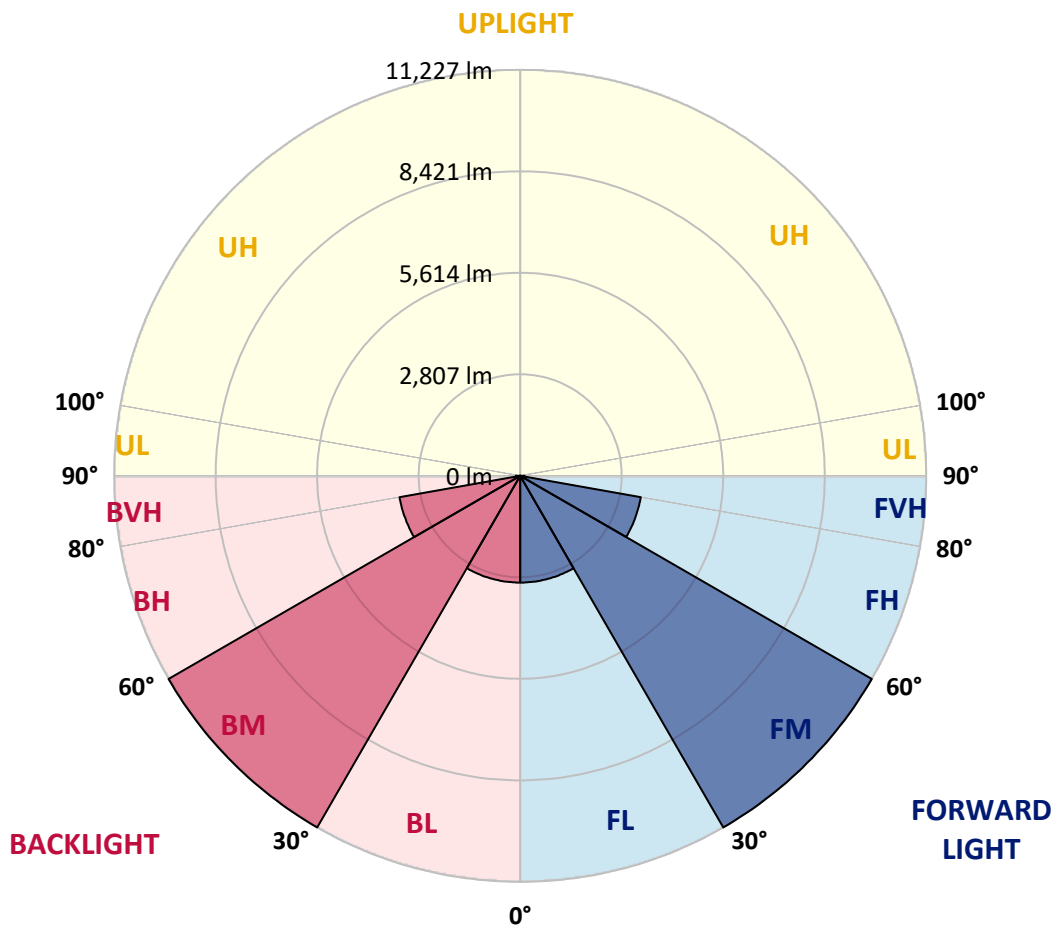
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2951.6	8.3			
FM (30°-60°)	11227.4	31.7			
FH (60°-80°)	3387.8	9.6			G2/5000
FVH (80°-90°)	117.7	0.3			G2/225
BL (0°-30°)	2951.6	8.3	B4/5000		
BM (30°-60°)	11227.4	31.7	B5		
BH (60°-80°)	3387.8	9.6	B4/5000		G2/5000
BVH (80°-90°)	117.7	0.3			G2/225
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°	6831.6	6831.6	6831.6	6831.6	6831.6	6831.6	6831.6	6831.6	6831.6	6831.6	6831.6
2.5°	6790.8	6840.7	6804.4	6836.1	6831.6	6818.0	6795.3	6781.7	6763.6	6790.8	6745.5
5°	6763.6	6804.4	6845.2	6790.8	6790.8	6763.6	6750.0	6722.8	6722.8	6718.3	6713.7
7.5°	6808.9	6768.1	6750.0	6759.1	6768.1	6709.2	6750.0	6695.6	6650.3	6682.0	6718.3
10°	6768.1	6786.3	6718.3	6750.0	6700.1	6709.2	6682.0	6718.3	6668.4	6668.4	6668.4
12.5°	6808.9	6759.1	6781.7	6759.1	6745.5	6668.4	6704.7	6663.9	6659.3	6704.7	6663.9
15°	6890.5	6808.9	6790.8	6745.5	6759.1	6759.1	6722.8	6727.3	6677.5	6704.7	6713.7
17.5°	6863.3	6818.0	6804.4	6750.0	6795.3	6808.9	6740.9	6695.6	6727.3	6722.8	6718.3
20°	6886.0	6904.1	6890.5	6899.6	6917.7	6881.5	6818.0	6754.5	6713.7	6772.7	6768.1
22.5°	7031.1	7012.9	7003.9	6994.8	7026.5	7062.8	6976.7	6876.9	6876.9	6917.7	6935.9
25°	7148.9	7144.4	7139.9	7180.7	7289.5	7289.5	7180.7	7053.7	7022.0	7049.2	7026.5
27.5°	7321.2	7371.1	7352.9	7425.5	7584.1	7620.4	7475.3	7325.7	7239.6	7207.9	7248.7
30°	7715.6	7656.6	7670.2	7747.3	7887.8	8005.7	7783.6	7624.9	7507.1	7502.5	7520.7
32.5°	7978.5	8023.8	8064.6	8137.2	8359.3	8450.0	8182.5	7924.1	7851.6	7810.8	7824.4
35°	8504.4	8463.6	8454.5	8527.0	8749.2	8898.8	8563.3	8336.6	8241.4	8332.1	8332.1
37.5°	9003.0	8889.7	8803.6	8898.8	9102.8	9120.9	8835.3	8712.9	8663.0	8767.3	8762.8
40°	9238.8	9229.7	9030.2	9084.6	9356.6	9383.8	9116.4	8971.3	8962.2	9098.2	9234.2
42.5°	9483.5	9397.4	9198.0	9234.2	9401.9	9411.0	9157.2	9116.4	9216.1	9347.6	9356.6
45°	9524.3	9451.8	9324.9	9234.2	9356.6	9383.8	9234.2	9261.4	9270.5	9429.1	9429.1
47.5°	9605.9	9596.9	9524.3	9456.3	9479.0	9456.3	9361.1	9401.9	9537.9	9615.0	9578.7
50°	9832.6	9737.4	9809.9	9751.0	9755.5	9819.0	9732.9	9773.7	9746.5	9678.5	9633.1
52.5°	10331.3	10285.9	10349.4	10390.2	10435.5	10580.6	10480.9	10263.3	10059.3	9877.9	9873.4
55°	11061.1	11092.8	11215.2	11423.8	11600.6	11831.8	11351.2	10829.9	10503.5	10217.9	10236.1
57.5°	11750.2	11727.5	11895.2	12371.2	12888.0	13005.9	12063.0	11319.5	10789.1	10607.8	10530.7
59°	11197.1	11305.9	11686.7	12217.1	13028.5	13200.8	11967.8	10920.6	10358.5	9991.3	10054.7
60°	10326.7	10367.5	10707.5	11446.4	12543.5	12838.1	11328.6	10304.1	9556.1	9343.0	9438.2
62.5°	7298.5	7266.8	7511.6	8114.5	9098.2	9497.1	8422.8	7702.0	7230.5	6994.8	7049.2
65°	3880.5	4025.5	4125.3	4501.5	5022.8	5444.4	5000.2	4687.4	4424.4	4229.5	4225.0
67.5°	2620.2	2602.1	2624.7	2710.9	2887.7	3005.5	2996.5	2837.8	2815.1	2778.9	2819.7
70°	2207.7	2198.6	2157.8	2157.8	2194.1	2221.3	2253.0	2271.2	2307.4	2352.8	2348.2
72.5°	1790.6	1768.0	1740.8	1727.2	1772.5	1786.1	1826.9	1845.0	1876.8	1872.2	1913.0
75°	1183.2	1183.2	1214.9	1251.2	1264.8	1292.0	1296.5	1350.9	1350.9	1360.0	1323.7
77.5°	661.9	643.7	666.4	702.7	734.4	784.3	834.1	874.9	897.6	888.5	888.5
80°	385.3	385.3	408.0	448.8	489.6	534.9	571.2	602.9	625.6	616.5	598.4
82.5°	240.3	240.3	262.9	303.7	335.5	362.7	412.5	453.3	480.5	471.5	448.8
85°	122.4	122.4	149.6	176.8	217.6	235.7	231.2	213.1	208.5	185.9	185.9
87.5°	31.7	31.7	45.3	49.9	40.8	45.3	45.3	45.3	45.3	45.3	49.9
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)