

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: P531212

Luminaire Tested: **GALN-SA6C-730-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531212
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-SA6C-730-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1050mA 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: 33512 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

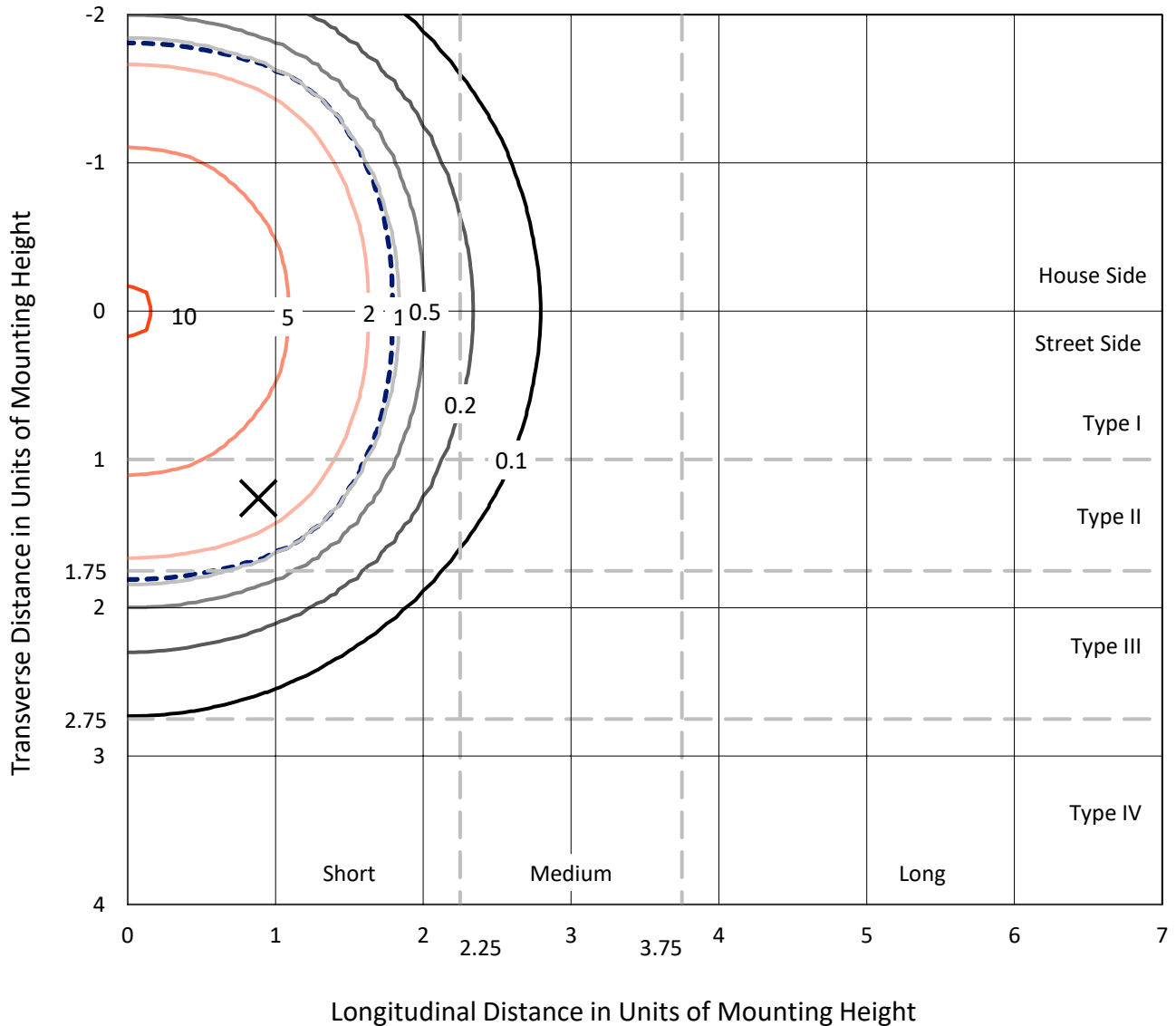
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

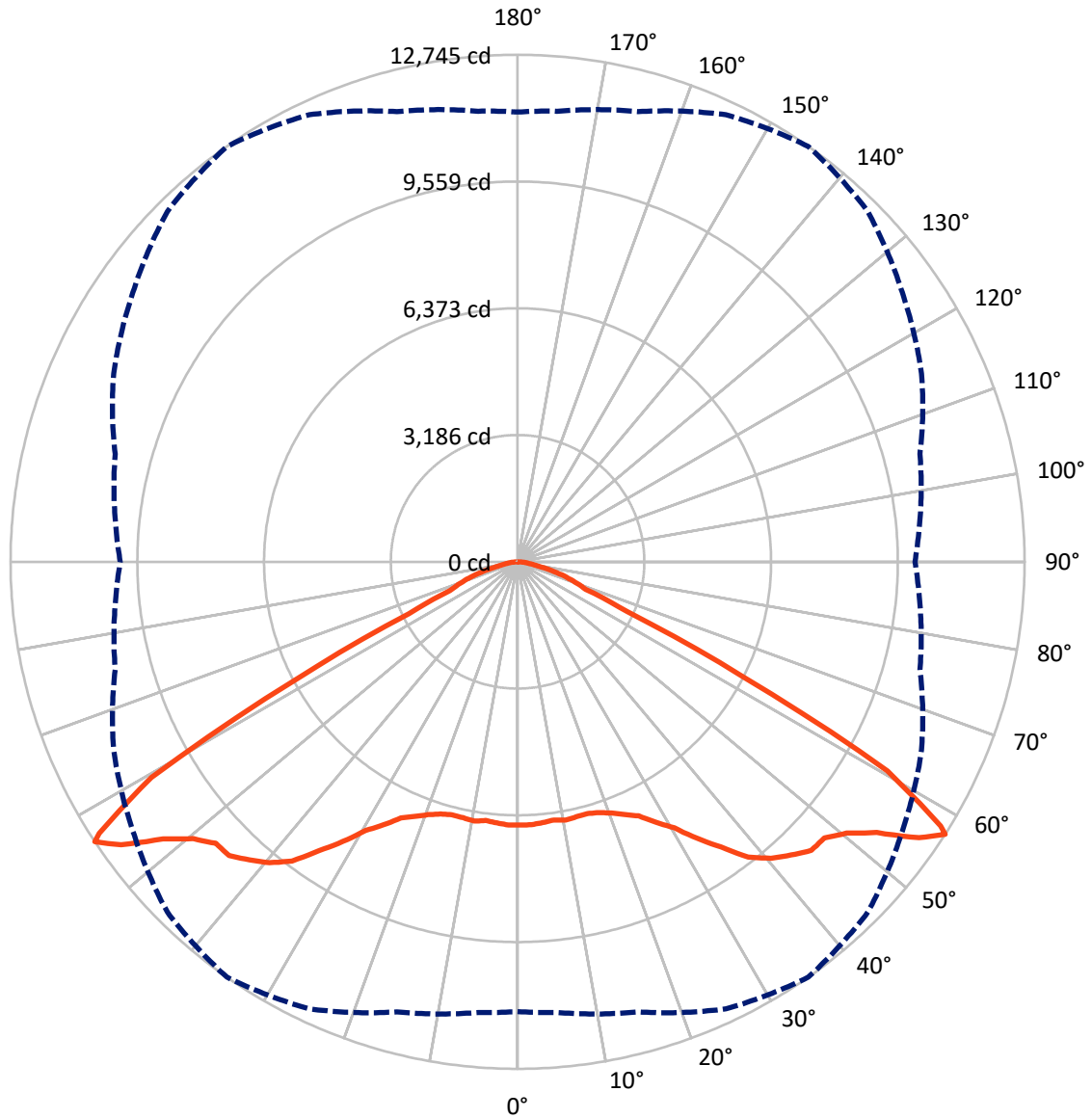
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 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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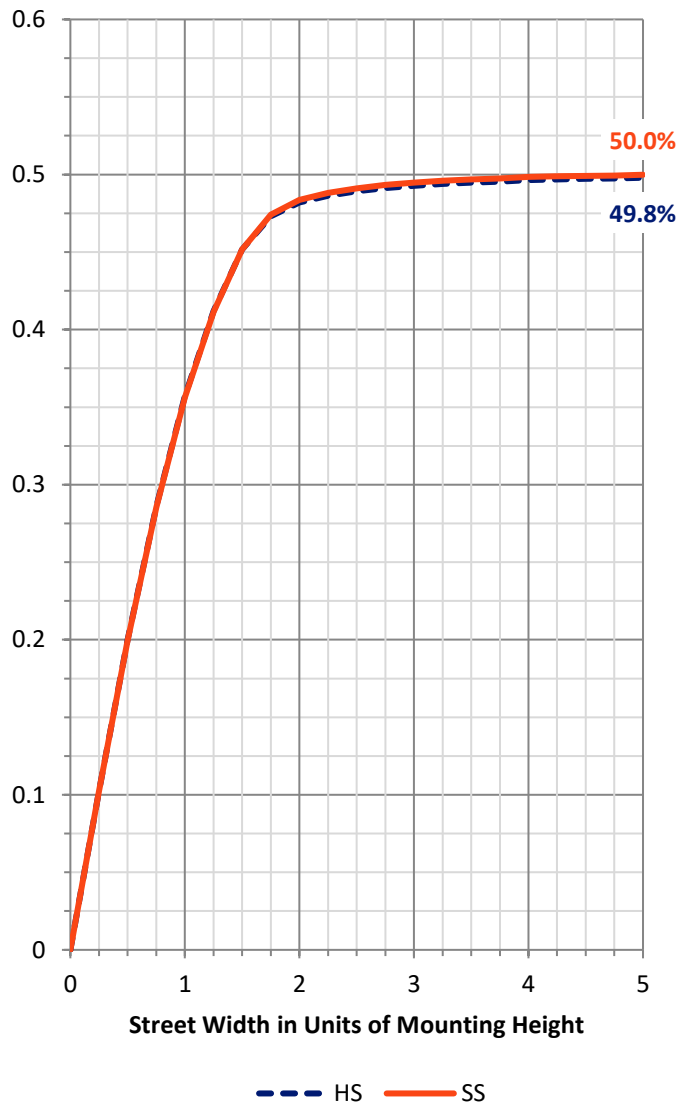
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16756.0	0.0	16756.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16756.0	0.0	16756.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	33512.0	0.0	33512.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	627.4	1.9
10°-20°	1858.3	5.5
20°-30°	3245.5	9.7
30°-40°	5317.9	15.9
40°-50°	7797.3	23.3
50°-60°	9821.3	29.3
60°-70°	3693.7	11.0
70°-80°	982.1	2.9
80°-90°	168.4	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°	33512.0	100.0
0°-180°	33512.0	100.0

Coefficient of Utilization

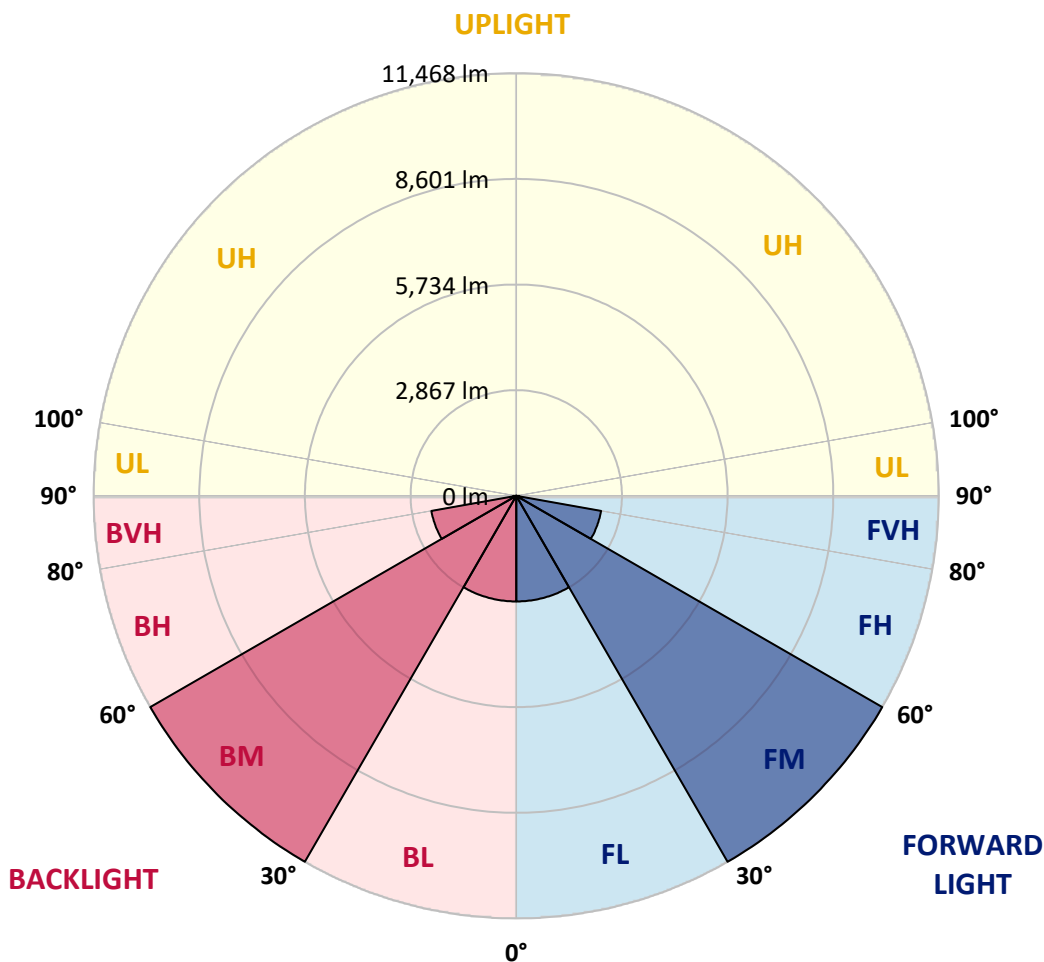


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2865.6	8.6			
FM (30°-60°)	11468.2	34.2			
FH (60°-80°)	2337.9	7.0			G2/5000
FVH (80°-90°)	84.2	0.3			G1/100
BL (0°-30°)	2865.6	8.6	B4/5000		
BM (30°-60°)	11468.2	34.2	B5		
BH (60°-80°)	2337.9	7.0	B3/2500		G2/5000
BVH (80°-90°)	84.2	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°	6618.4	6618.4	6618.4	6618.4	6618.4	6618.4	6618.4	6618.4	6618.4	6618.4	6618.4
2.5°	6585.3	6651.4	6622.5	6606.0	6618.4	6597.7	6564.7	6601.9	6593.6	6560.6	6548.2
5°	6568.8	6618.4	6585.3	6618.4	6585.3	6643.1	6626.6	6564.7	6639.0	6568.8	6593.6
7.5°	6556.4	6573.0	6581.2	6564.7	6552.3	6622.5	6585.3	6556.4	6515.2	6502.8	6523.4
10°	6527.5	6568.8	6506.9	6589.5	6606.0	6556.4	6556.4	6502.8	6469.7	6449.1	6519.3
12.5°	6601.9	6531.7	6523.4	6564.7	6577.1	6597.7	6539.9	6511.0	6449.1	6457.4	6445.0
15°	6515.2	6544.1	6548.2	6556.4	6568.8	6618.4	6564.7	6502.8	6478.0	6391.3	6399.5
17.5°	6548.2	6519.3	6548.2	6643.1	6626.6	6663.8	6606.0	6511.0	6453.2	6403.7	6469.7
20°	6606.0	6593.6	6606.0	6721.6	6742.2	6775.3	6725.7	6639.0	6527.5	6469.7	6502.8
22.5°	6667.9	6659.7	6667.9	6779.4	6899.1	6940.4	6890.9	6688.6	6630.8	6523.4	6486.3
25°	6779.4	6787.7	6874.4	6998.2	7076.7	7155.1	7064.3	6919.8	6734.0	6667.9	6589.5
27.5°	7027.1	7047.8	7097.3	7279.0	7415.2	7485.4	7357.4	7159.2	7043.6	6907.4	6886.7
30°	7332.6	7332.6	7419.3	7576.2	7762.0	7869.4	7712.5	7477.2	7336.8	7262.5	7217.0
32.5°	7737.3	7691.8	7724.9	8001.5	8290.5	8381.3	8170.8	7881.8	7658.8	7559.7	7526.7
35°	8084.1	8113.0	8187.3	8484.6	8806.6	9017.2	8686.9	8311.2	8084.1	7993.2	7976.7
37.5°	8534.1	8583.7	8620.8	9029.6	9417.7	9496.1	9178.2	8876.8	8600.2	8525.9	8484.6
40°	9169.9	9136.9	9149.3	9450.7	9801.6	9851.2	9537.4	9322.7	9095.6	9050.2	9050.2
42.5°	9694.3	9657.1	9698.4	9809.9	10078.3	10041.1	9867.7	9710.8	9615.8	9566.3	9615.8
45°	10012.2	10003.9	10078.3	10160.8	10350.8	10226.9	10090.6	10115.4	10024.6	9942.0	9937.9
47.5°	10359.0	10305.3	10396.2	10520.0	10375.5	10317.7	10309.5	10363.1	10334.2	10189.7	10144.3
50°	10528.3	10507.6	10652.2	10796.7	10718.2	10586.1	10615.0	10701.7	10330.1	10136.1	10024.6
52.5°	10982.5	10986.6	11263.2	11341.7	11308.6	11114.6	11176.5	10941.2	10503.5	10231.0	10243.4
55°	11696.7	11667.8	11977.5	12208.7	12245.8	11998.1	11700.9	11370.6	10821.4	10544.8	10462.2
57°	11304.5	11370.6	11713.2	12398.6	12745.4	12452.3	11804.1	11201.3	10470.5	10136.1	9987.4
57.5°	10780.1	10887.5	11482.0	12171.5	12534.9	12510.1	11676.1	10887.5	10235.2	9714.9	9727.3
60°	7898.3	7918.9	8455.7	9549.8	10685.2	10710.0	9694.3	8649.7	7923.1	7357.4	7435.9
62.5°	4165.9	4260.9	4475.6	5355.0	6337.6	6577.1	5961.9	5425.2	4797.6	4368.2	4409.5
65°	2204.7	2192.4	2295.6	2543.3	3026.4	3150.2	3067.7	2642.4	2423.6	2353.4	2357.5
67.5°	1791.9	1812.5	1800.1	1812.5	1845.5	1899.2	1886.8	1903.3	1915.7	1936.4	1932.3
70°	1519.4	1519.4	1527.6	1531.8	1531.8	1556.5	1585.4	1639.1	1643.2	1663.9	1672.1
72.5°	1197.3	1189.1	1201.5	1230.4	1234.5	1255.1	1296.4	1329.5	1341.8	1341.8	1317.1
75°	813.4	821.6	838.1	862.9	887.7	924.8	957.9	978.5	986.8	974.4	962.0
77.5°	458.3	466.5	478.9	516.1	545.0	578.0	615.2	635.8	656.5	660.6	635.8
80°	272.5	272.5	293.1	322.0	355.1	388.1	421.1	445.9	454.2	454.2	441.8
82.5°	165.1	169.3	185.8	214.7	243.6	264.2	293.1	313.8	330.3	326.2	317.9
85°	86.7	86.7	103.2	128.0	148.6	169.3	169.3	156.9	148.6	128.0	119.7
87.5°	28.9	24.8	33.0	33.0	28.9	33.0	33.0	37.2	37.2	37.2	37.2
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)