

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: P531290

Luminaire Tested: **GALN-SA6C-750-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531290
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-750-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 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: 36798 lumens
Efficiency: N/A
Efficacy: 114.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

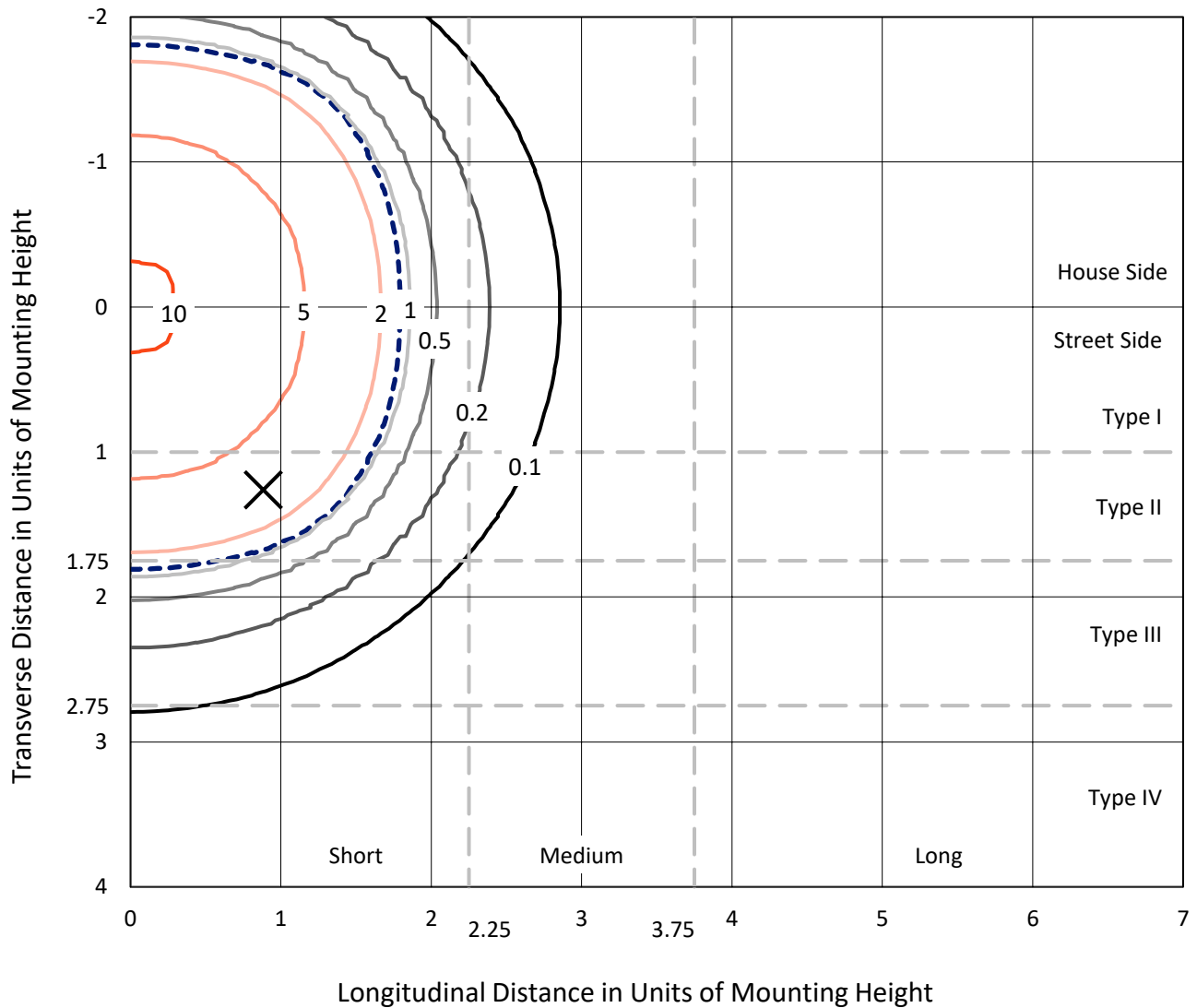
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

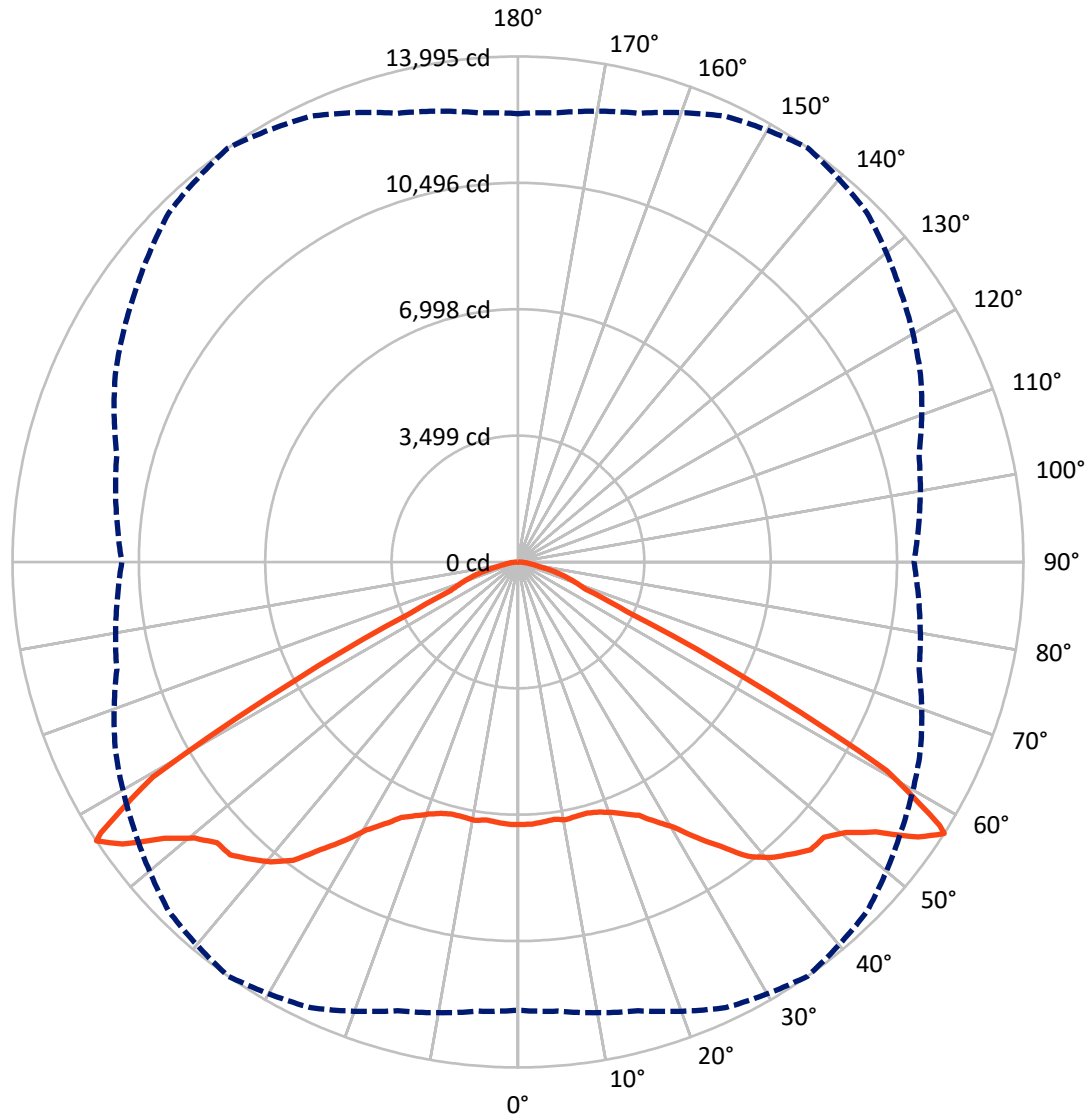
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 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	18399.0	0.0	18399.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18399.0	0.0	18399.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	36798.0	0.0	36798.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	689.0	1.9
10°-20°	2040.5	5.5
20°-30°	3563.8	9.7
30°-40°	5839.3	15.9
40°-50°	8561.9	23.3
50°-60°	10784.3	29.3
60°-70°	4055.9	11.0
70°-80°	1078.4	2.9
80°-90°	184.9	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°	36798.0	100.0
0°-180°	36798.0	100.0

Coefficient of Utilization



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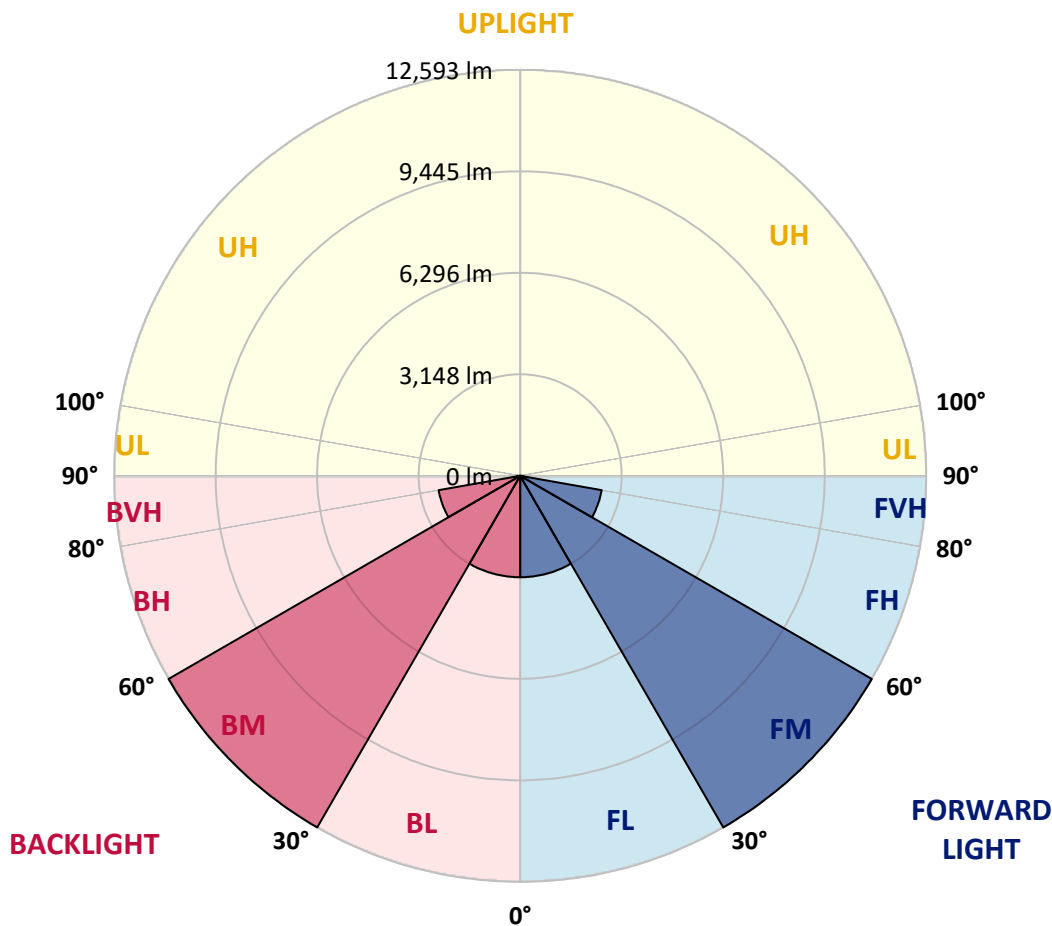
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3146.6	8.6			
FM (30°-60°)	12592.8	34.2			
FH (60°-80°)	2567.2	7.0			G2/5000
FVH (80°-90°)	92.5	0.3			G1/100
BL (0°-30°)	3146.6	8.6	B4/5000		
BM (30°-60°)	12592.8	34.2	B5		
BH (60°-80°)	2567.2	7.0	B4/5000		G2/5000
BVH (80°-90°)	92.5	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°	7267.3	7267.3	7267.3	7267.3	7267.3	7267.3	7267.3	7267.3	7267.3	7267.3	7267.3
2.5°	7231.1	7303.6	7271.9	7253.7	7267.3	7244.7	7208.4	7249.2	7240.1	7203.9	7190.3
5°	7212.9	7267.3	7231.1	7267.3	7231.1	7294.5	7276.4	7208.4	7290.0	7212.9	7240.1
7.5°	7199.3	7217.5	7226.5	7208.4	7194.8	7271.9	7231.1	7199.3	7154.0	7140.4	7163.1
10°	7167.6	7212.9	7144.9	7235.6	7253.7	7199.3	7199.3	7140.4	7104.1	7081.5	7158.5
12.5°	7249.2	7172.1	7163.1	7208.4	7222.0	7244.7	7181.2	7149.5	7081.5	7090.5	7076.9
15°	7154.0	7185.7	7190.3	7199.3	7212.9	7267.3	7208.4	7140.4	7113.2	7018.0	7027.1
17.5°	7190.3	7158.5	7190.3	7294.5	7276.4	7317.2	7253.7	7149.5	7086.0	7031.6	7104.1
20°	7253.7	7240.1	7253.7	7380.7	7403.3	7439.6	7385.2	7290.0	7167.6	7104.1	7140.4
22.5°	7321.7	7312.7	7321.7	7444.1	7575.6	7621.0	7566.6	7344.4	7280.9	7163.1	7122.3
25°	7444.1	7453.2	7548.4	7684.4	7770.6	7856.7	7757.0	7598.3	7394.3	7321.7	7235.6
27.5°	7716.2	7738.8	7793.2	7992.7	8142.3	8219.4	8078.8	7861.2	7734.3	7584.7	7562.0
30°	8051.6	8051.6	8146.8	8319.1	8523.1	8641.0	8468.7	8210.3	8056.2	7974.6	7924.7
32.5°	8495.9	8446.1	8482.3	8786.1	9103.4	9203.2	8972.0	8654.6	8409.8	8301.0	8264.7
35°	8876.8	8908.5	8990.1	9316.5	9670.1	9901.3	9538.7	9126.1	8876.8	8777.0	8758.9
37.5°	9370.9	9425.3	9466.1	9914.9	10341.1	10427.2	10078.2	9747.2	9443.5	9361.8	9316.5
40°	10069.1	10032.8	10046.4	10377.4	10762.7	10817.1	10472.6	10236.8	9987.5	9937.6	9937.6
42.5°	10644.9	10604.1	10649.4	10771.8	11066.5	11025.7	10835.3	10663.0	10558.7	10504.3	10558.7
45°	10993.9	10984.9	11066.5	11157.1	11365.7	11229.7	11080.1	11107.3	11007.5	10916.9	10912.3
47.5°	11374.8	11315.8	11415.6	11551.6	11392.9	11329.4	11320.4	11379.3	11347.6	11188.9	11139.0
50°	11560.6	11538.0	11696.6	11855.3	11769.2	11624.1	11655.8	11751.0	11343.0	11129.9	11007.5
52.5°	12059.3	12063.9	12367.6	12453.8	12417.5	12204.4	12272.4	12014.0	11533.4	11234.2	11247.8
55°	12843.6	12811.9	13151.9	13405.8	13446.6	13174.6	12848.2	12485.5	11882.5	11578.8	11488.1
57°	12413.0	12485.5	12861.8	13614.4	13995.2	13673.3	12961.5	12299.6	11497.2	11129.9	10966.7
57.5°	11837.2	11955.1	12607.9	13365.0	13764.0	13736.8	12821.0	11955.1	11238.8	10667.5	10681.1
60°	8672.7	8695.4	9284.8	10486.2	11732.9	11760.1	10644.9	9497.9	8699.9	8078.8	8165.0
62.5°	4574.4	4678.7	4914.4	5880.1	6959.1	7222.0	6546.5	5957.1	5268.0	4796.5	4841.9
65°	2420.9	2407.3	2520.7	2792.7	3323.1	3459.1	3368.5	2901.5	2661.2	2584.1	2588.7
67.5°	1967.6	1990.2	1976.6	1990.2	2026.5	2085.4	2071.8	2090.0	2103.6	2126.3	2121.7
70°	1668.4	1668.4	1677.4	1682.0	1682.0	1709.2	1740.9	1799.8	1804.4	1827.0	1836.1
72.5°	1314.7	1305.7	1319.3	1351.0	1355.5	1378.2	1423.5	1459.8	1473.4	1473.4	1446.2
75°	893.1	902.2	920.3	947.5	974.7	1015.5	1051.8	1074.5	1083.5	1069.9	1056.3
77.5°	503.2	512.3	525.9	566.7	598.4	634.7	675.5	698.2	720.8	725.4	698.2
80°	299.2	299.2	321.9	353.6	389.9	426.2	462.4	489.6	498.7	498.7	485.1
82.5°	181.3	185.9	204.0	235.7	267.5	290.1	321.9	344.6	362.7	358.2	349.1
85°	95.2	95.2	113.3	140.5	163.2	185.9	185.9	172.3	163.2	140.5	131.5
87.5°	31.7	27.2	36.3	36.3	31.7	36.3	36.3	40.8	40.8	40.8	40.8
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)