

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: P455339

Luminaire Tested: **GALN-SA6C-730-U-T1**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P455339  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA6C-730-U-T1  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 37901 lumens  
Efficiency: N/A  
Efficacy: 118.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

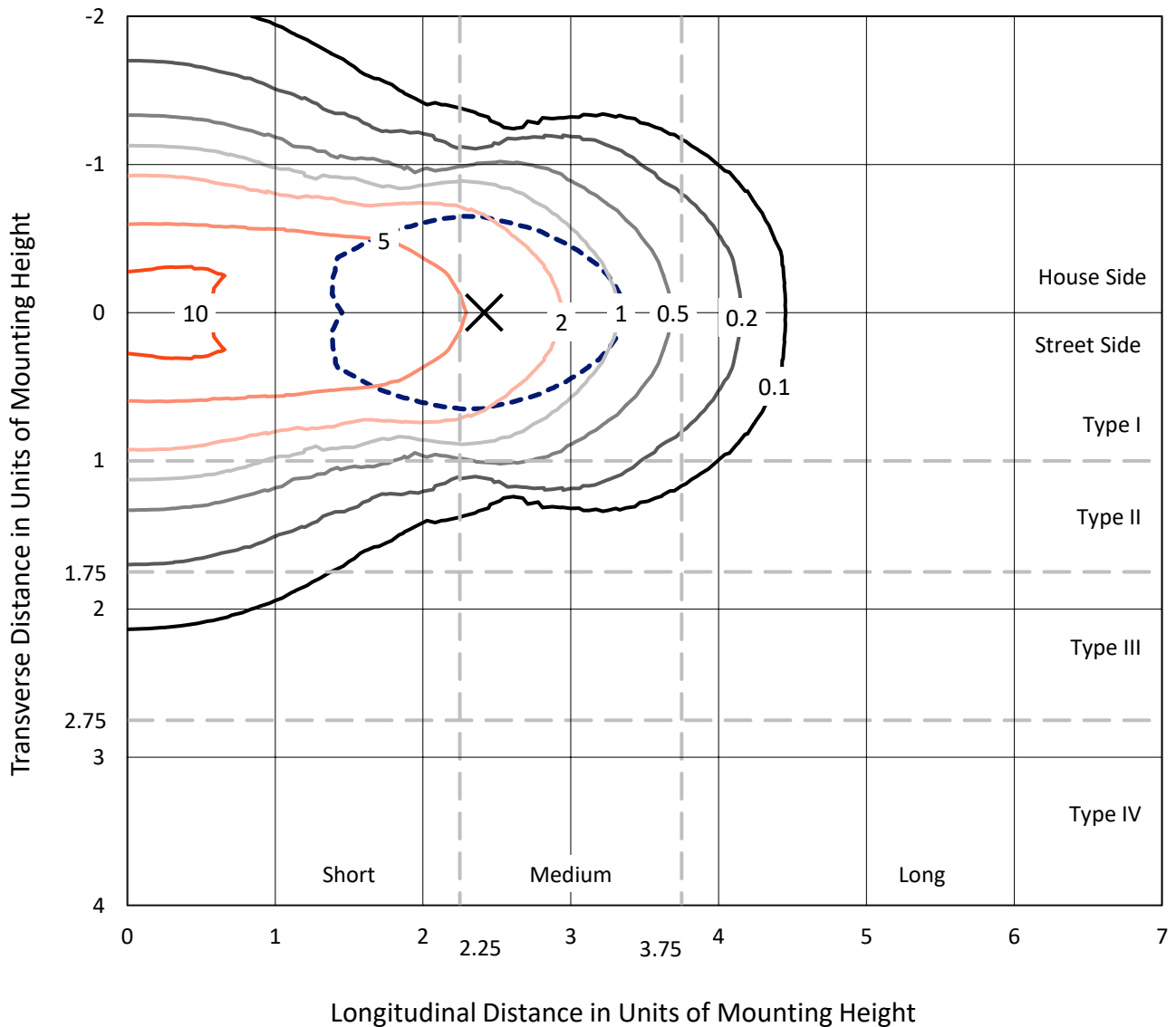
Input Watts (W): 321  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

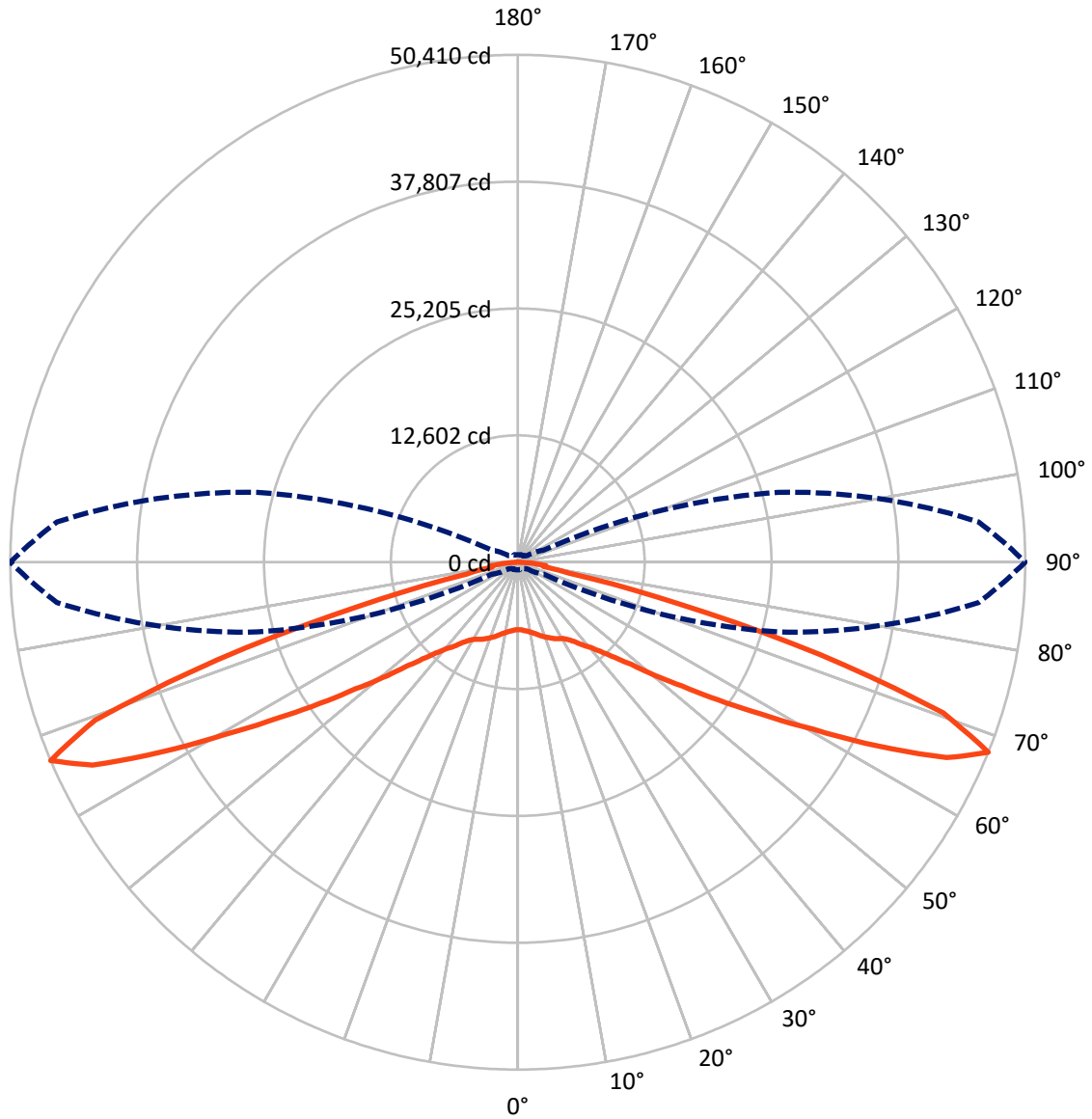
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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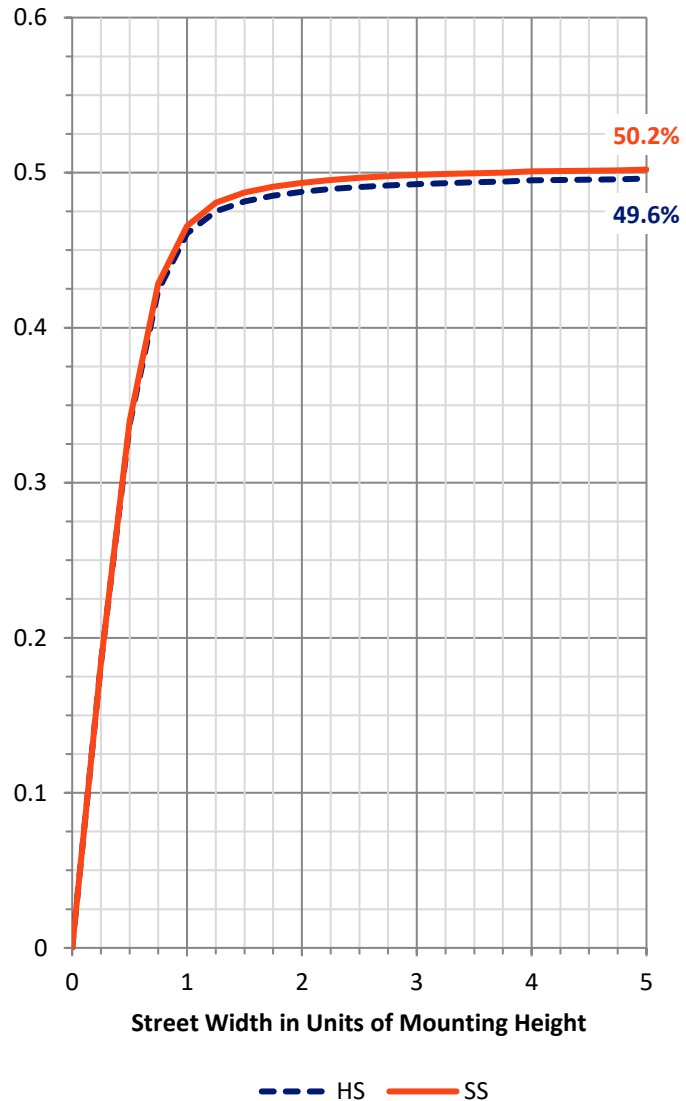
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	18950.5	0.0	18950.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	18950.5	0.0	18950.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	37901.0	0.0	37901.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	669.0	1.8
10°-20°	2140.3	5.6
20°-30°	3582.3	9.5
30°-40°	4853.1	12.8
40°-50°	6147.2	16.2
50°-60°	7679.4	20.3
60°-70°	9026.8	23.8
70°-80°	3453.2	9.1
80°-90°	349.8	0.9
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°	37901.0	100.0
0°-180°	37901.0	100.0



REPORT NUMBER: P455339

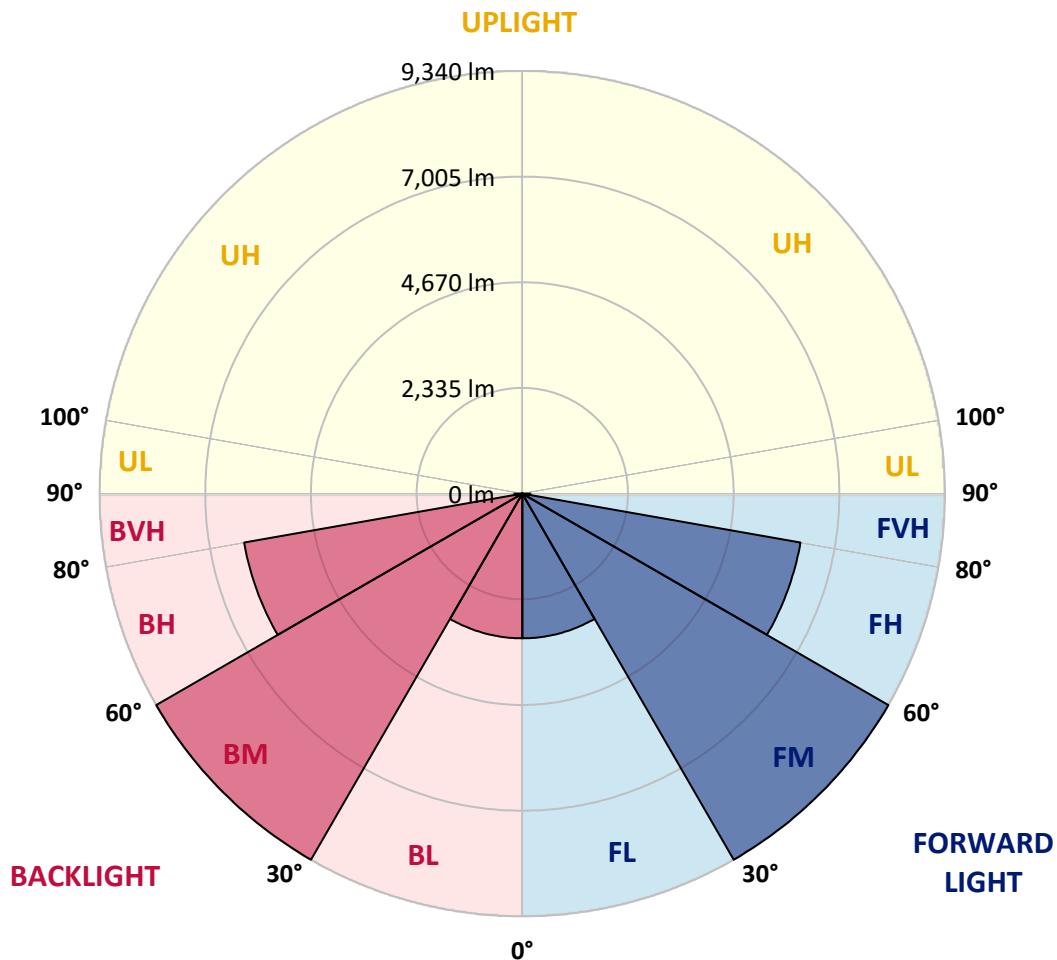
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3195.8	8.4			
FM (30°-60°)	9339.8	24.6			
FH (60°-80°)	6240.0	16.5			G3/7500
FVH (80°-90°)	174.9	0.5			G2/225
BL (0°-30°)	3195.8	8.4	B4/5000		
BM (30°-60°)	9339.8	24.6	B5		
BH (60°-80°)	6240.0	16.5	B5		G5
BVH (80°-90°)	174.9	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6709.7	6709.7	6709.7	6709.7	6709.7	6709.7	6709.7	6709.7	6709.7	6709.7	6709.7
2.5°	6795.7	6791.5	6793.6	6791.5	6797.8	6793.6	6768.4	6747.4	6730.6	6732.7	6726.4
5°	6940.5	6942.6	6944.7	6934.2	6948.9	6940.5	6900.6	6867.1	6833.5	6820.9	6816.7
7.5°	7060.1	7070.6	7076.9	7087.4	7112.6	7112.6	7091.6	7043.4	6969.9	6927.9	6925.8
10°	7179.8	7188.2	7207.1	7240.6	7282.6	7322.5	7314.1	7249.0	7154.6	7083.2	7066.4
12.5°	7221.7	7232.2	7295.2	7391.7	7486.2	7563.8	7563.8	7511.4	7389.6	7280.5	7249.0
15°	7074.8	7093.7	7207.1	7412.7	7660.4	7830.4	7868.2	7794.7	7664.6	7496.7	7458.9
17.5°	6783.1	6829.3	6995.1	7299.4	7710.8	8063.3	8172.5	8136.8	7968.9	7754.8	7710.8
20°	6470.4	6520.8	6697.1	7100.0	7668.8	8199.8	8516.7	8525.1	8317.3	8006.7	7941.6
22.5°	6126.2	6164.0	6390.6	6862.9	7542.9	8231.2	8812.6	8957.4	8676.2	8258.5	8166.2
25°	5740.0	5782.0	6019.2	6529.2	7305.7	8195.6	9083.3	9402.3	9051.8	8527.2	8409.6
27.5°	5370.7	5387.5	5641.4	6159.8	6993.0	8103.2	9282.7	9811.6	9467.4	8749.6	8600.6
30°	5016.0	5055.9	5280.4	5792.5	6634.1	7922.7	9454.8	10277.5	9914.4	8982.6	8791.6
32.5°	4640.3	4688.6	4932.0	5450.4	6275.2	7652.0	9559.7	10787.5	10537.8	9360.4	9156.8
35°	4279.3	4310.8	4556.4	5060.1	5924.7	7337.2	9578.6	11362.6	11341.6	9933.3	9662.6
37.5°	3909.9	3956.1	4203.8	4686.5	5553.3	7003.5	9484.2	11973.3	12311.2	10728.7	10437.0
40°	3555.3	3595.1	3838.6	4325.5	5131.4	6596.3	9259.6	12531.5	13442.4	11547.2	11133.8
42.5°	3169.1	3179.6	3446.1	3941.4	4718.0	6124.1	8936.4	13028.9	14703.7	12644.9	12130.7
45°	2730.5	2757.7	3005.4	3492.3	4243.6	5595.2	8497.8	13440.3	16303.0	14166.5	13465.5
47.5°	2291.8	2314.9	2541.6	3022.2	3725.3	4988.7	7822.0	13801.3	17944.2	16099.4	15180.2
50°	1863.7	1876.3	2061.0	2487.0	3141.8	4350.7	6984.6	13916.7	19799.5	18836.2	17663.0
52.5°	1473.3	1492.2	1632.8	1966.5	2518.5	3597.2	6080.0	13631.3	21965.4	22080.8	20427.0
55°	1194.2	1200.5	1305.4	1551.0	1968.6	2808.1	4988.7	12835.9	24295.0	26238.4	24129.2
57.5°	1028.4	1032.6	1091.3	1227.8	1515.3	2117.6	3870.1	11331.1	26387.4	31109.6	28398.0
60°	933.9	936.0	969.6	1049.4	1200.5	1624.4	2772.4	9207.2	28452.6	36530.6	33703.6
62.5°	875.2	875.2	898.3	942.3	1015.8	1246.6	2008.5	6642.5	29867.1	42031.4	40243.3
65°	818.5	818.5	835.3	866.8	906.7	1020.0	1483.8	4331.8	29831.4	46037.9	46820.7
67.5°	753.4	753.4	766.0	797.5	820.6	877.3	1145.9	2837.5	26796.7	45949.7	50409.5
70°	675.8	675.8	692.6	719.9	738.8	774.4	904.6	1941.3	19686.1	39233.8	44831.1
72.5°	598.1	600.2	610.7	638.0	652.7	673.7	751.3	1360.0	12076.1	26714.8	31346.7
75°	512.1	516.3	526.8	554.1	566.7	575.1	633.8	969.6	6109.4	14403.6	16399.5
77.5°	413.5	421.8	428.1	457.5	465.9	478.5	522.6	701.0	2682.2	5175.5	5221.7
80°	302.2	312.7	331.6	358.9	365.2	373.6	398.8	497.4	1215.2	2363.2	2566.8
82.5°	222.5	237.2	214.1	249.7	249.7	239.3	281.2	333.7	558.3	2340.1	2799.7
85°	121.7	123.8	111.2	128.0	136.4	134.3	149.0	163.7	270.7	1561.5	1609.7
87.5°	29.4	31.5	33.6	39.9	48.3	48.3	52.5	46.2	88.1	505.8	289.6
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)