

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: P532155

Luminaire Tested: **GALN-SA7C-730-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532155  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA7C-730-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28820 lumens  
Efficiency: N/A  
Efficacy: 76.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

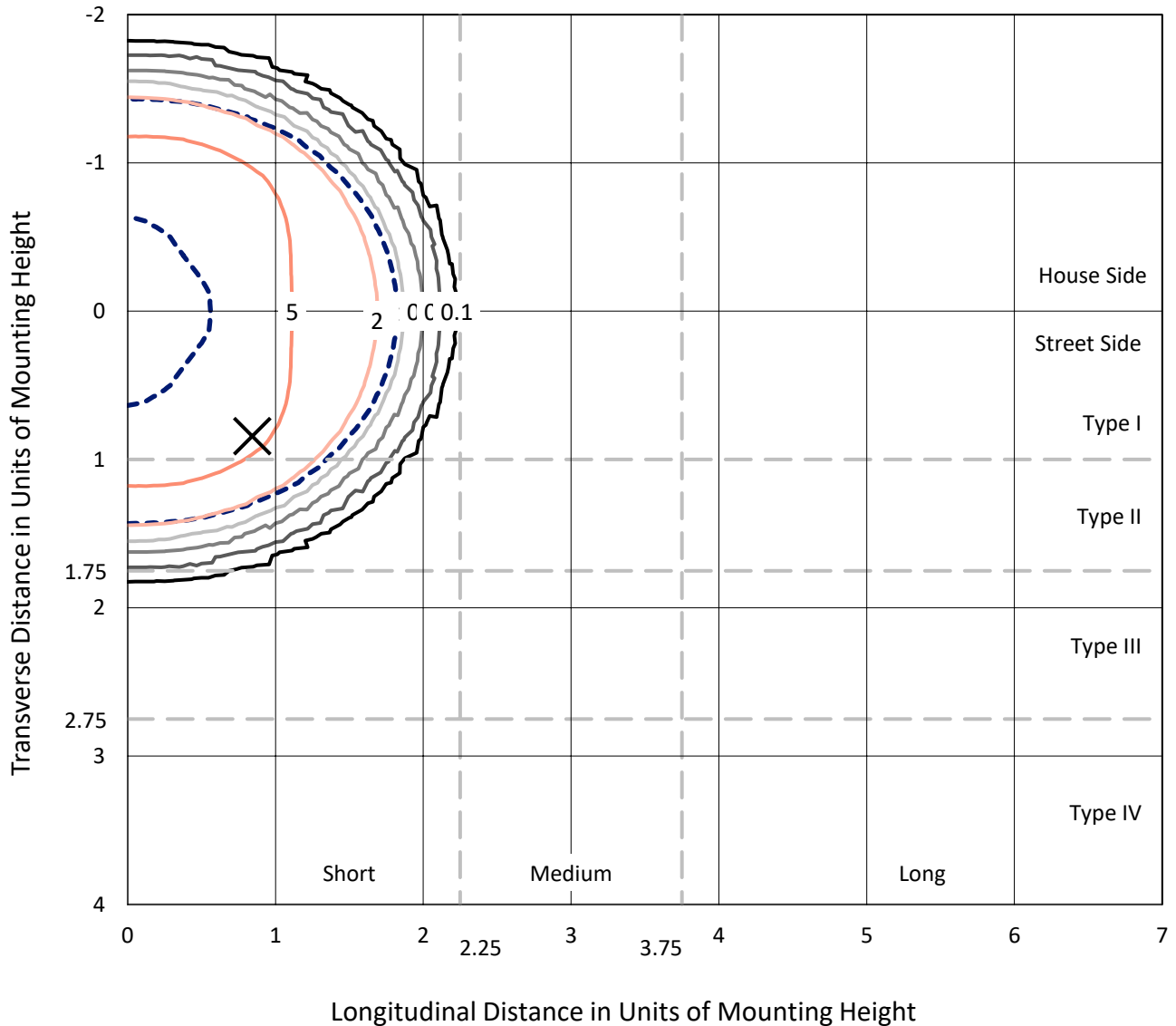
Input Watts (W): 377  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

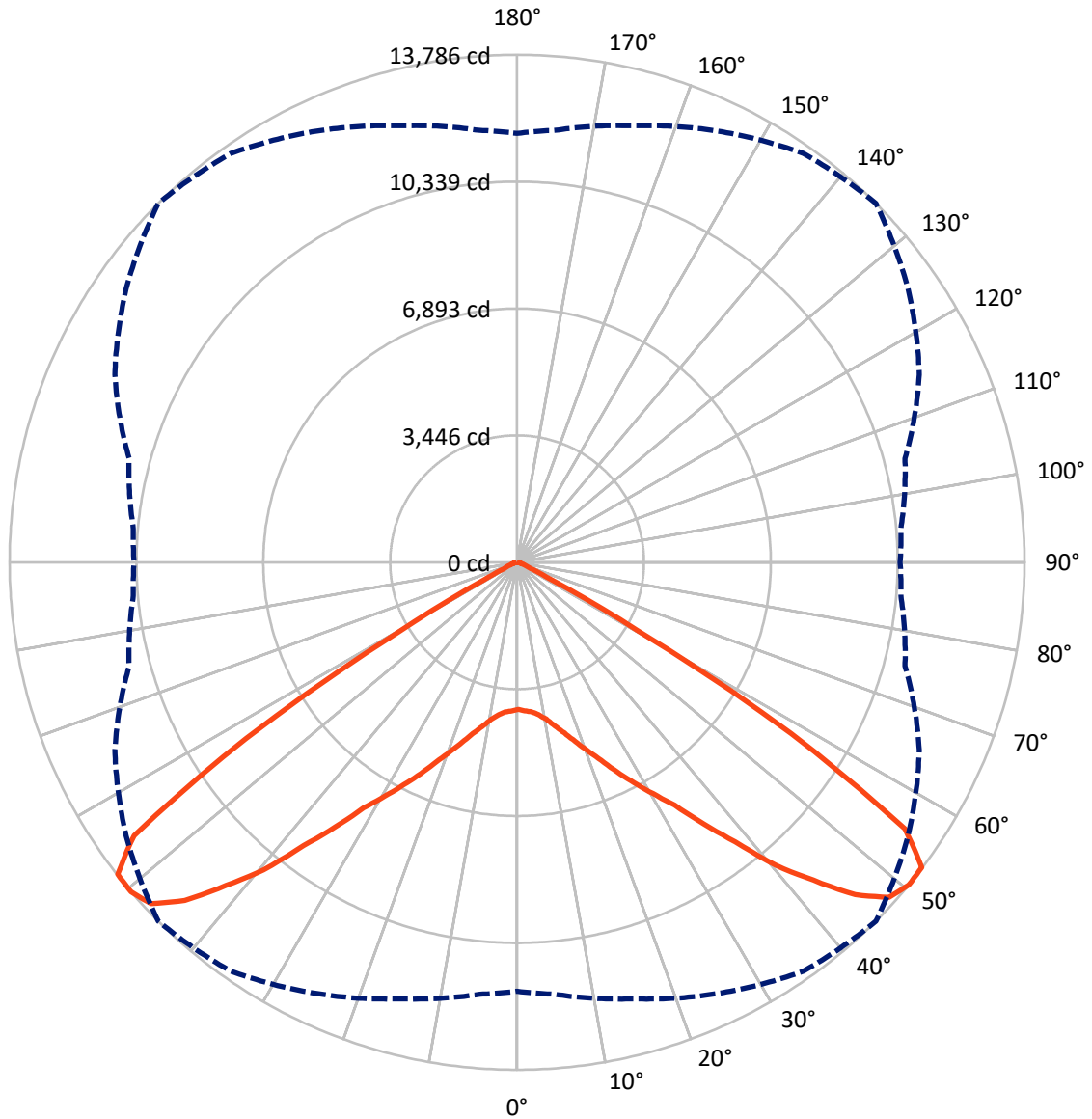
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 50-Deg Vertical

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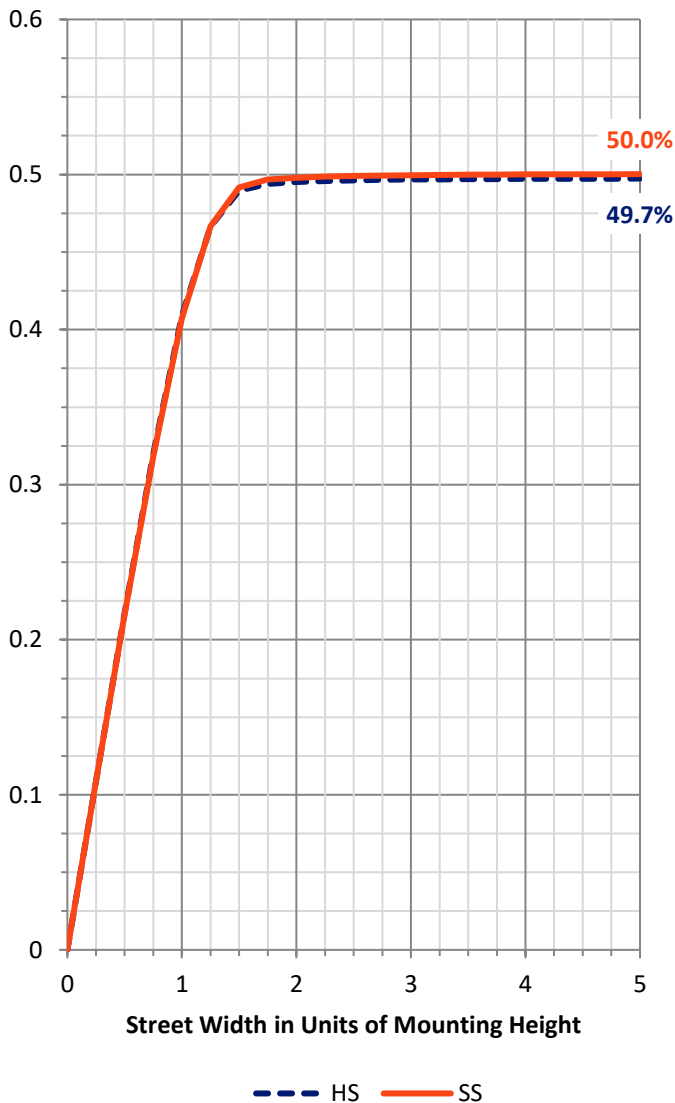
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14410.0	0.0	14410.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14410.0	0.0	14410.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	28820.0	0.0	28820.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	397.5	1.4
10°-20°	1370.0	4.8
20°-30°	2798.1	9.7
30°-40°	5336.0	18.5
40°-50°	8991.9	31.2
50°-60°	8575.4	29.8
60°-70°	1197.1	4.2
70°-80°	114.5	0.4
80°-90°	39.5	0.1
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°	28820.0	100.0
0°-180°	28820.0	100.0



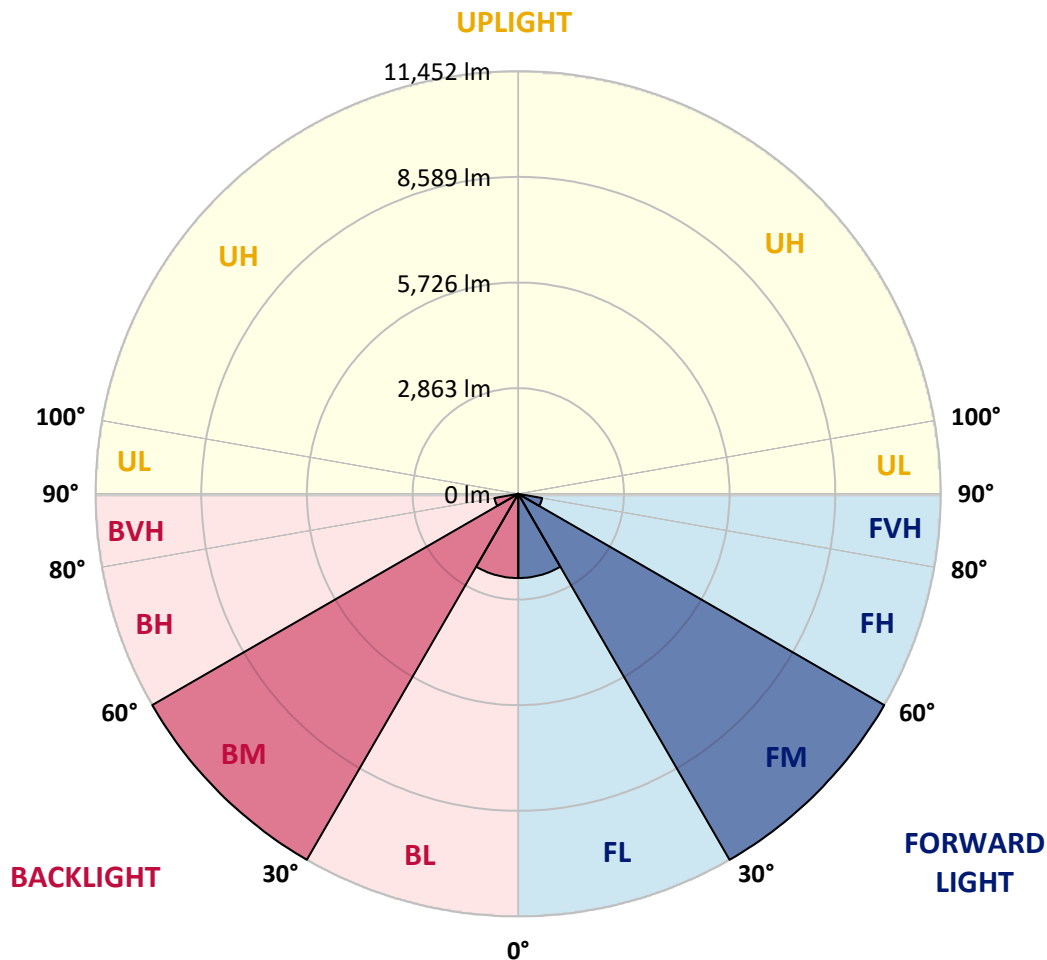
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2282.8	7.9			
FM (30°-60°)	11451.6	39.7			
FH (60°-80°)	655.8	2.3			G0/660
FVH (80°-90°)	19.8	0.1			G1/100
BL (0°-30°)	2282.8	7.9	B3/2500		
BM (30°-60°)	11451.6	39.7	B5		
BH (60°-80°)	655.8	2.3	B2/1000		G0/660
BVH (80°-90°)	19.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3995.6	3995.6	3995.6	3995.6	3995.6	3995.6	3995.6	3995.6	3995.6	3995.6	3995.6
2.5°	3981.0	3981.0	3976.2	4015.0	3995.6	4039.2	4034.4	4048.9	4063.5	4058.6	4097.4
5°	3947.1	3942.2	3942.2	3985.9	4029.5	4078.0	4121.6	4150.7	4199.2	4199.2	4247.7
7.5°	3981.0	3956.8	3990.7	4010.1	4092.6	4175.0	4247.7	4305.9	4417.4	4456.2	4441.7
10°	3990.7	4019.8	4044.1	4102.3	4204.1	4330.2	4393.2	4538.7	4664.7	4752.0	4771.4
12.5°	4053.8	4097.4	4165.3	4305.9	4398.0	4562.9	4650.2	4790.8	4965.4	5062.4	5130.2
15°	4175.0	4189.5	4276.8	4456.2	4655.0	4805.4	4941.1	5043.0	5212.7	5324.2	5329.1
17.5°	4330.2	4393.2	4514.4	4684.1	4892.6	5115.7	5222.4	5333.9	5396.9	5547.3	5581.2
20°	4640.5	4650.2	4766.6	4989.6	5251.5	5455.1	5532.7	5590.9	5566.7	5721.8	5750.9
22.5°	4931.4	4941.1	5086.6	5387.2	5668.5	5843.0	5877.0	5843.0	5770.3	5881.8	5891.5
25°	5227.2	5314.5	5421.2	5721.8	6070.9	6303.7	6308.5	6216.4	6066.1	6085.5	6134.0
27.5°	5687.9	5750.9	5862.4	6138.8	6521.9	6783.8	6740.1	6628.6	6434.6	6449.2	6434.6
30°	6226.1	6284.3	6376.4	6730.4	7011.7	7297.7	7360.8	7254.1	6963.2	6900.1	6972.9
32.5°	6875.9	6958.3	7128.0	7452.9	7690.5	7865.1	7908.7	7869.9	7598.4	7574.1	7622.6
35°	7666.3	7777.8	7933.0	8219.1	8413.0	8728.2	8728.2	8597.3	8350.0	8379.1	8374.2
37.5°	8500.3	8665.2	8907.6	9198.6	9460.4	9630.1	9576.8	9465.2	9217.9	9154.9	9217.9
40°	9547.7	9630.1	9935.6	10313.8	10633.9	10827.8	10599.9	10357.5	9765.9	9858.0	10027.7
42.5°	10502.9	10633.9	10866.6	11283.6	11647.3	11807.3	11535.8	11055.7	10342.9	10270.2	10396.3
45°	11317.6	11458.2	11763.7	12360.1	12743.2	12883.8	12282.5	11506.7	10692.0	10507.8	10561.1
47.5°	11860.7	11933.4	12360.1	12927.4	13276.6	13596.6	12733.5	11817.0	10856.9	10507.8	10488.4
50°	11652.1	11778.2	12277.7	12922.6	13557.8	13785.7	12961.4	12054.6	10910.2	10464.1	10406.0
52.5°	10347.8	10566.0	11123.6	11991.6	12951.7	13766.3	13276.6	11977.0	10890.9	10507.8	10595.1
55°	7200.8	7205.6	7884.5	9164.6	10861.8	12782.0	12815.9	12064.3	11016.9	10779.3	10784.2
57.5°	2894.9	3040.3	3559.2	4844.2	6410.4	8776.7	10435.0	11191.5	11031.5	10973.3	11123.6
60°	732.2	737.0	897.1	1367.4	2254.8	3762.8	5464.8	7394.7	8514.8	8897.9	8951.3
62.5°	373.4	378.2	417.0	484.9	615.8	1008.6	1794.1	2846.4	4048.9	4659.9	4819.9
65°	305.5	305.5	329.7	363.7	368.5	387.9	465.5	664.3	965.0	1095.9	1110.4
67.5°	232.8	232.8	252.1	271.5	281.2	276.4	266.7	276.4	334.6	320.0	310.3
70°	145.5	150.3	160.0	179.4	189.1	194.0	198.8	208.5	237.6	247.3	237.6
72.5°	87.3	87.3	92.1	106.7	121.2	130.9	145.5	155.2	169.7	194.0	189.1
75°	38.8	38.8	48.5	63.0	77.6	92.1	106.7	121.2	130.9	145.5	150.3
77.5°	9.7	14.5	24.2	43.6	58.2	77.6	97.0	111.5	121.2	121.2	116.4
80°	4.8	4.8	19.4	33.9	63.0	82.4	106.7	116.4	130.9	121.2	106.7
82.5°	4.8	4.8	19.4	33.9	58.2	82.4	111.5	126.1	135.8	121.2	101.8
85°	0.0	4.8	14.5	29.1	48.5	58.2	48.5	33.9	19.4	19.4	14.5
87.5°	0.0	0.0	4.8	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)