

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: P532126

Luminaire Tested: **GALN-SA7C-727-U-5WQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532126  
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-SA7C-727-U-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

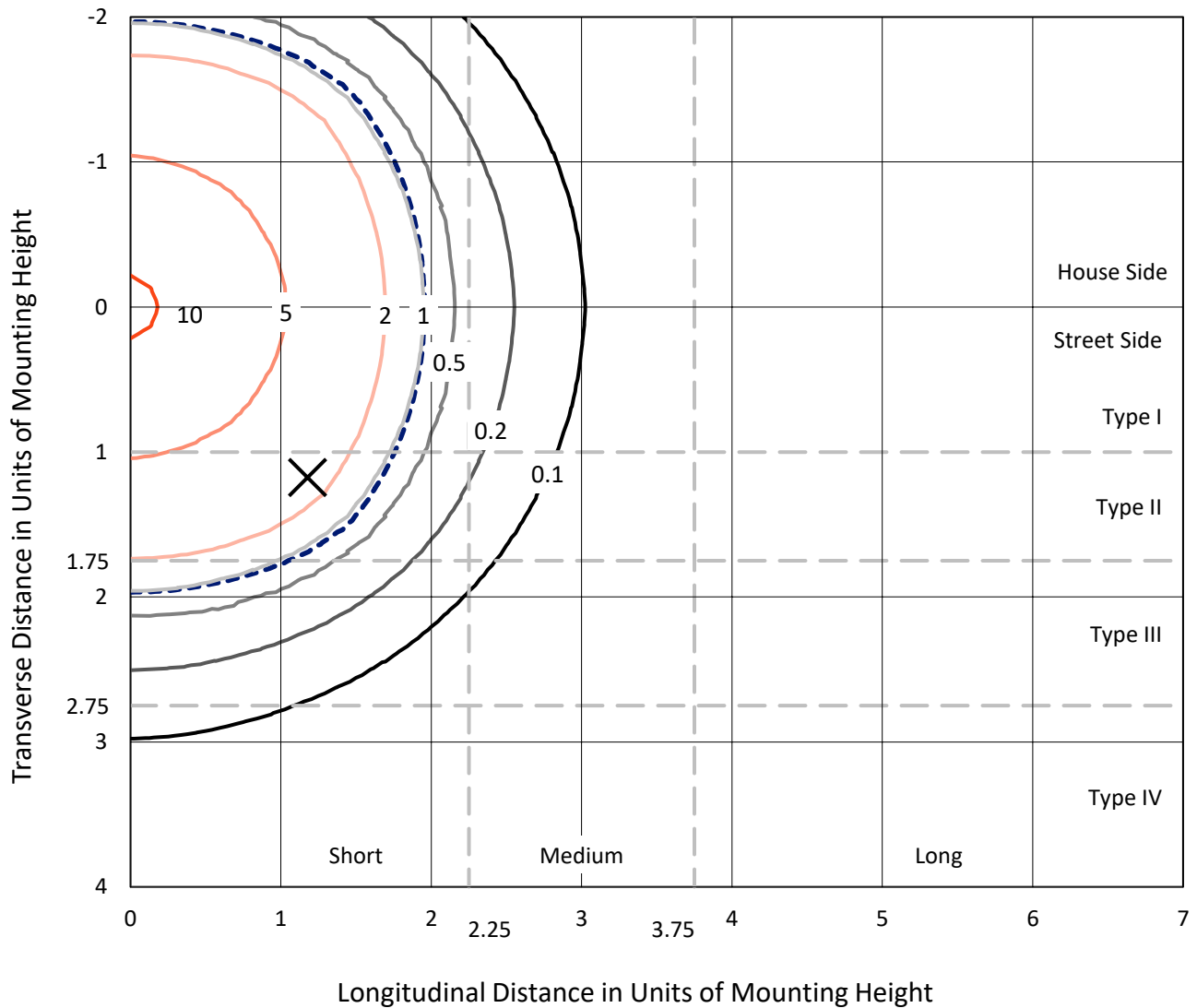
Lumens per Lamp: N/A  
Luminaire Lumens: 34743 lumens  
Efficiency: N/A  
Efficacy: 92.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2  
  
Input Watts (W): 377  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

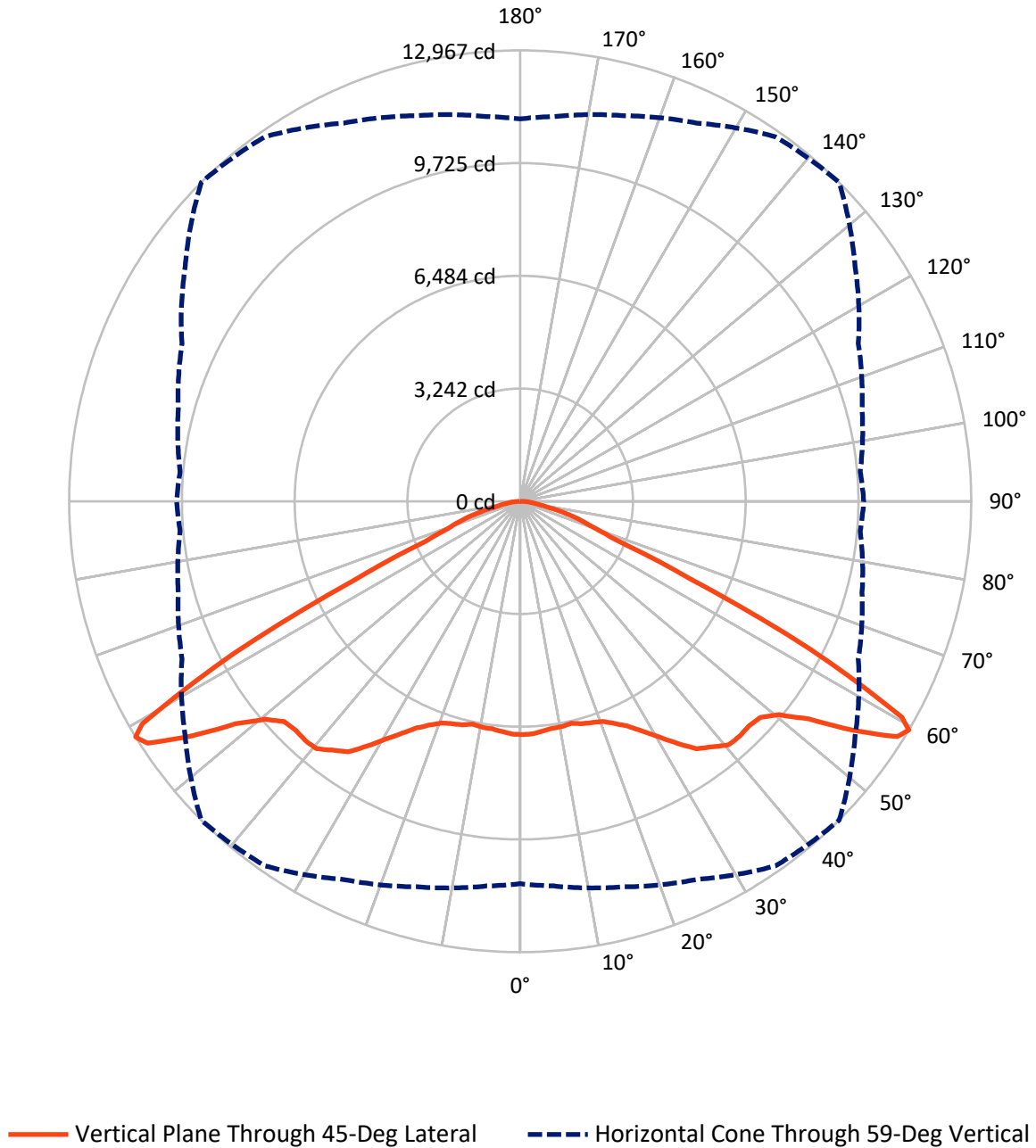
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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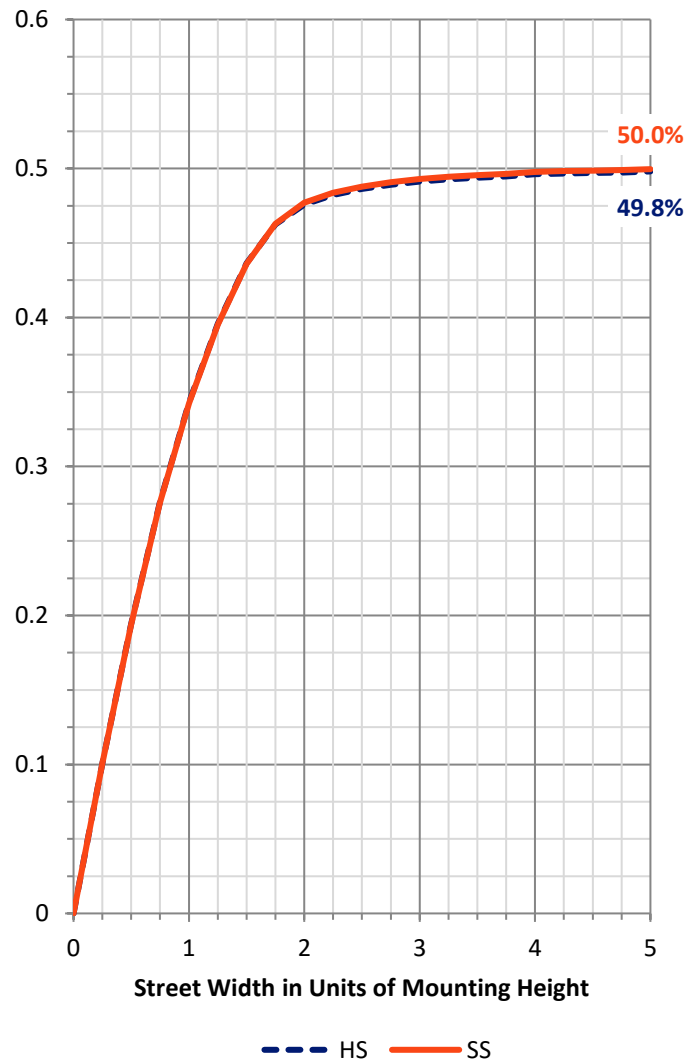
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17371.5	0.0	17371.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17371.5	0.0	17371.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	34743.0	0.0	34743.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	632.6	1.8
10°-20°	1881.2	5.4
20°-30°	3284.9	9.5
30°-40°	5246.4	15.1
40°-50°	7146.7	20.6
50°-60°	9664.2	27.8
60°-70°	5299.9	15.3
70°-80°	1355.9	3.9
80°-90°	231.2	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°	34743.0	100.0
0°-180°	34743.0	100.0



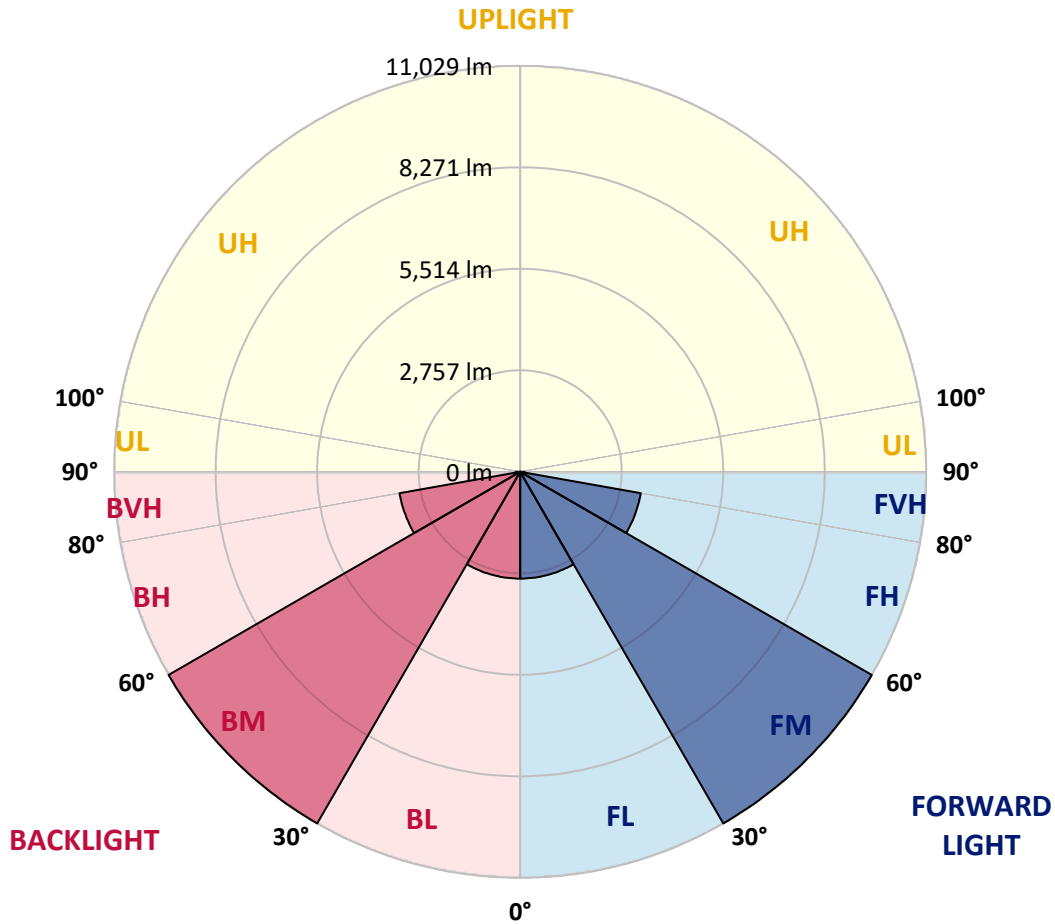
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2899.4	8.3			
FM (30°-60°)	11028.6	31.7			
FH (60°-80°)	3327.9	9.6			G2/5000
FVH (80°-90°)	115.6	0.3			G2/225
BL (0°-30°)	2899.4	8.3	B4/5000		
BM (30°-60°)	11028.6	31.7	B5		
BH (60°-80°)	3327.9	9.6	B4/5000		G2/5000
BVH (80°-90°)	115.6	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°	6710.7	6710.7	6710.7	6710.7	6710.7	6710.7	6710.7	6710.7	6710.7	6710.7	6710.7
2.5°	6670.6	6719.6	6684.0	6715.1	6710.7	6697.3	6675.1	6661.7	6643.9	6670.6	6626.1
5°	6643.9	6684.0	6724.0	6670.6	6670.6	6643.9	6630.5	6603.8	6603.8	6599.4	6594.9
7.5°	6688.4	6648.3	6630.5	6639.4	6648.3	6590.5	6630.5	6577.1	6532.6	6563.7	6599.4
10°	6648.3	6666.2	6599.4	6630.5	6581.5	6590.5	6563.7	6599.4	6550.4	6550.4	6550.4
12.5°	6688.4	6639.4	6661.7	6639.4	6626.1	6550.4	6586.0	6545.9	6541.5	6586.0	6545.9
15°	6768.6	6688.4	6670.6	6626.1	6639.4	6639.4	6603.8	6608.3	6559.3	6586.0	6594.9
17.5°	6741.9	6697.3	6684.0	6630.5	6675.1	6688.4	6621.6	6577.1	6608.3	6603.8	6599.4
20°	6764.1	6781.9	6768.6	6777.5	6795.3	6759.7	6697.3	6635.0	6594.9	6652.8	6648.3
22.5°	6906.6	6888.8	6879.9	6871.0	6902.2	6937.8	6853.2	6755.2	6755.2	6795.3	6813.1
25°	7022.4	7017.9	7013.5	7053.6	7160.4	7160.4	7053.6	6928.9	6897.7	6924.4	6902.2
27.5°	7191.6	7240.6	7222.8	7294.0	7449.9	7485.5	7343.0	7196.1	7111.5	7080.3	7120.4
30°	7579.0	7521.1	7534.5	7610.2	7748.2	7864.0	7645.8	7490.0	7374.2	7369.7	7387.5
32.5°	7837.3	7881.8	7921.9	7993.2	8211.4	8300.4	8037.7	7783.9	7712.6	7672.5	7685.9
35°	8353.8	8313.8	8304.9	8376.1	8594.3	8741.3	8411.7	8189.1	8095.6	8184.6	8184.6
37.5°	8843.7	8732.4	8647.7	8741.3	8941.6	8959.5	8678.9	8558.7	8509.7	8612.1	8607.7
40°	9075.2	9066.3	8870.4	8923.8	9191.0	9217.7	8955.0	8812.5	8803.6	8937.2	9070.8
42.5°	9315.7	9231.1	9035.2	9070.8	9235.5	9244.4	8995.1	8955.0	9053.0	9182.1	9191.0
45°	9355.8	9284.5	9159.8	9070.8	9191.0	9217.7	9070.8	9097.5	9106.4	9262.3	9262.3
47.5°	9435.9	9427.0	9355.8	9289.0	9311.2	9289.0	9195.5	9235.5	9369.1	9444.8	9409.2
50°	9658.6	9565.1	9636.3	9578.4	9582.9	9645.2	9560.6	9600.7	9574.0	9507.2	9462.6
52.5°	10148.4	10103.9	10166.2	10206.3	10250.8	10393.3	10295.4	10081.6	9881.2	9703.1	9698.7
55°	10865.3	10896.5	11016.7	11221.6	11395.3	11622.4	11150.3	10638.2	10317.6	10037.1	10054.9
57.5°	11542.2	11519.9	11684.7	12152.3	12659.9	12775.7	11849.5	11119.2	10598.2	10420.0	10344.3
59°	10998.9	11105.8	11479.9	12000.9	12798.0	12967.2	11755.9	10727.3	10175.1	9814.4	9876.8
60°	10144.0	10184.0	10518.0	11243.9	12321.5	12610.9	11128.1	10121.7	9386.9	9177.7	9271.2
62.5°	7169.3	7138.2	7378.6	7970.9	8937.2	9329.1	8273.7	7565.7	7102.6	6871.0	6924.4
65°	3811.8	3954.3	4052.2	4421.8	4933.9	5348.1	4911.7	4604.4	4346.1	4154.7	4150.2
67.5°	2573.8	2556.0	2578.3	2662.9	2836.6	2952.3	2943.4	2787.6	2765.3	2729.7	2769.8
70°	2168.6	2159.7	2119.6	2119.6	2155.3	2182.0	2213.1	2231.0	2266.6	2311.1	2306.7
72.5°	1758.9	1736.7	1710.0	1696.6	1741.1	1754.5	1794.6	1812.4	1843.5	1839.1	1879.2
75°	1162.2	1162.2	1193.4	1229.0	1242.4	1269.1	1273.6	1327.0	1327.0	1335.9	1300.3
77.5°	650.1	632.3	654.6	690.2	721.4	770.4	819.4	859.4	881.7	872.8	872.8
80°	378.5	378.5	400.8	440.8	480.9	525.5	561.1	592.3	614.5	605.6	587.8
82.5°	236.0	236.0	258.3	298.4	329.5	356.2	405.2	445.3	472.0	463.1	440.8
85°	120.2	120.2	146.9	173.7	213.7	231.6	227.1	209.3	204.8	182.6	182.6
87.5°	31.2	31.2	44.5	49.0	40.1	44.5	44.5	44.5	44.5	44.5	49.0
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)