

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: P533764

Luminaire Tested: **GALN-SA9B-727-U-5WQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P533764  
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-SA9B-727-U-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 2700K, 800mA 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: 36599 lumens  
Efficiency: N/A  
Efficacy: 100.5 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

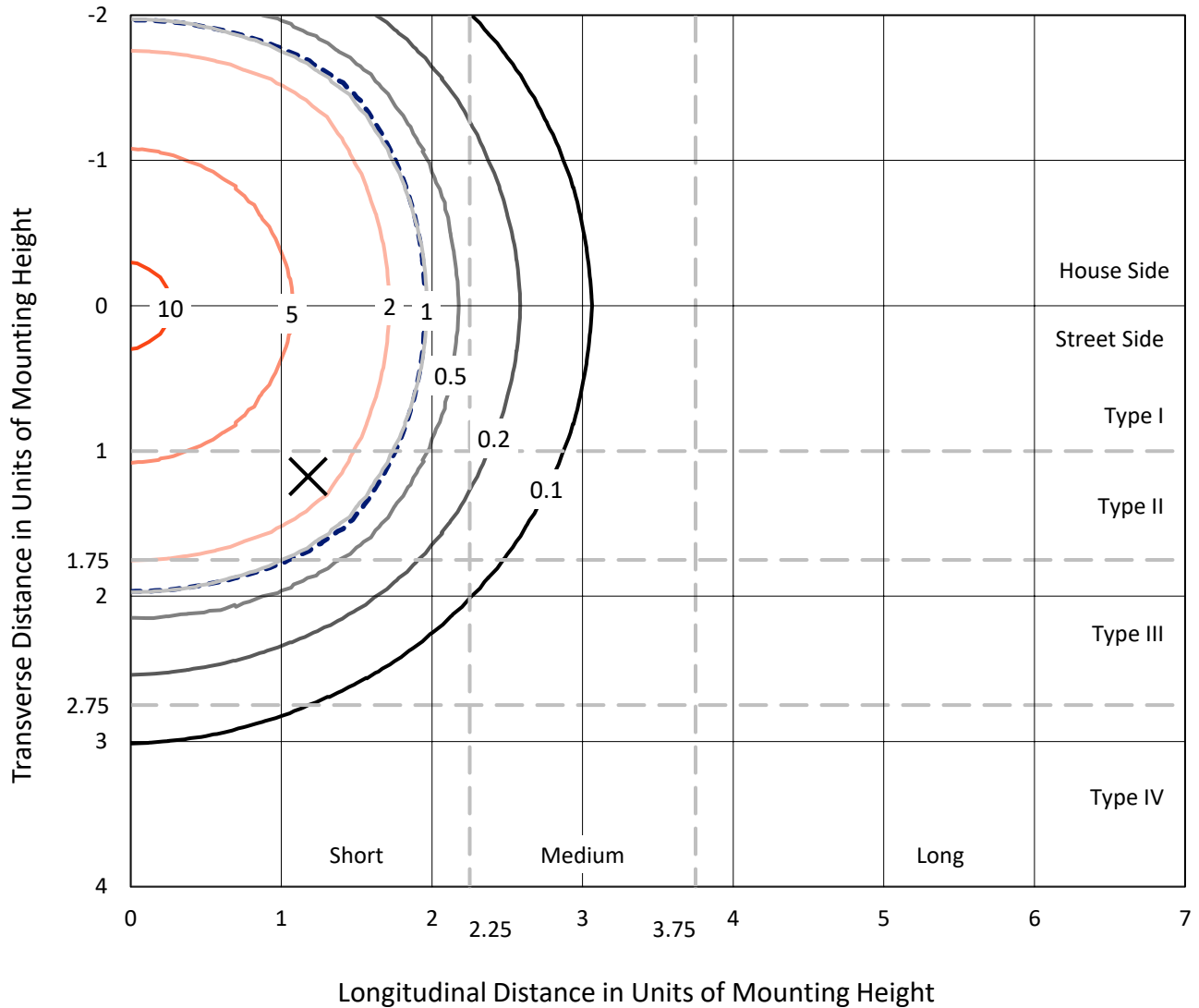
Input Watts (W): 364  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

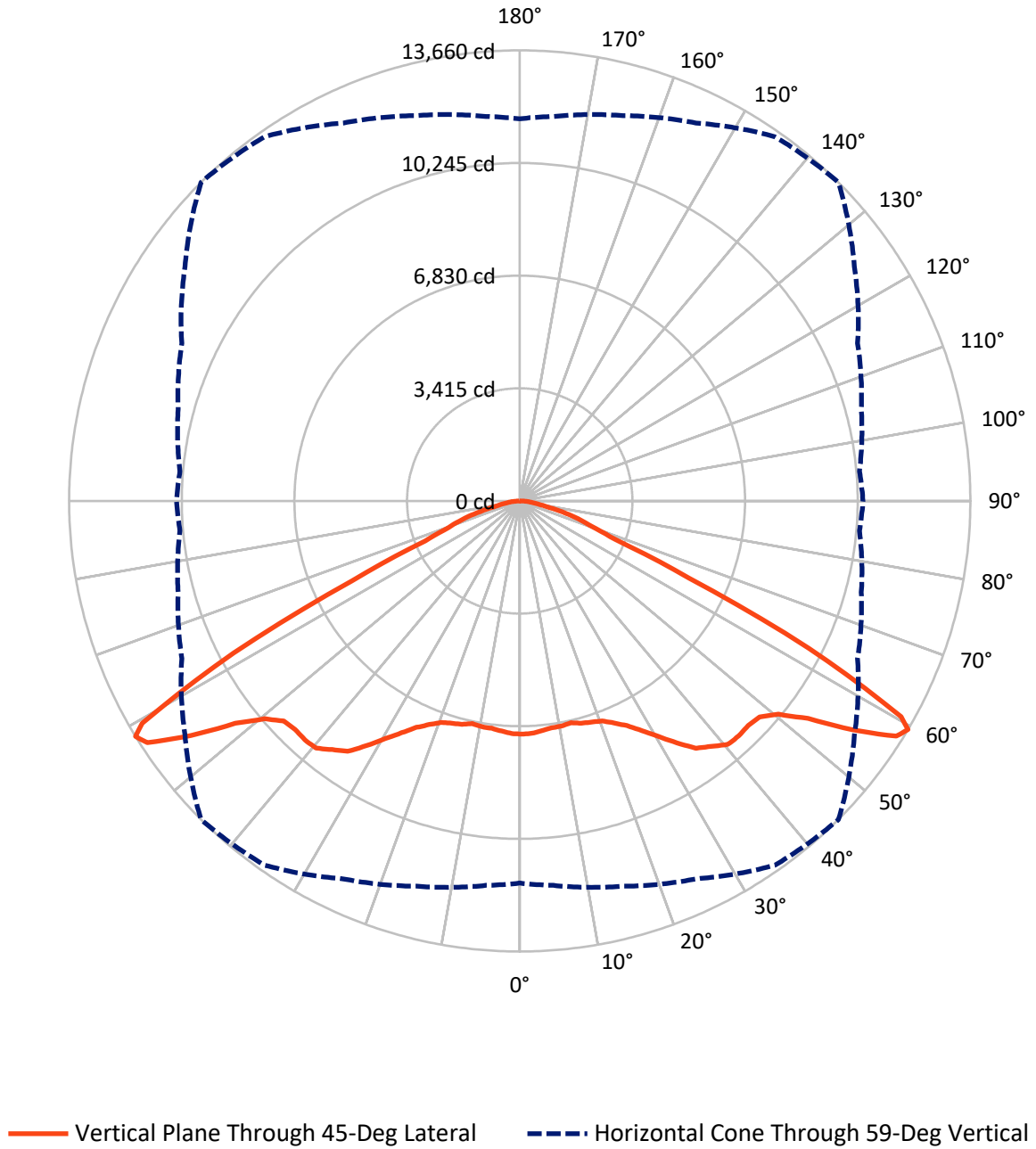
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



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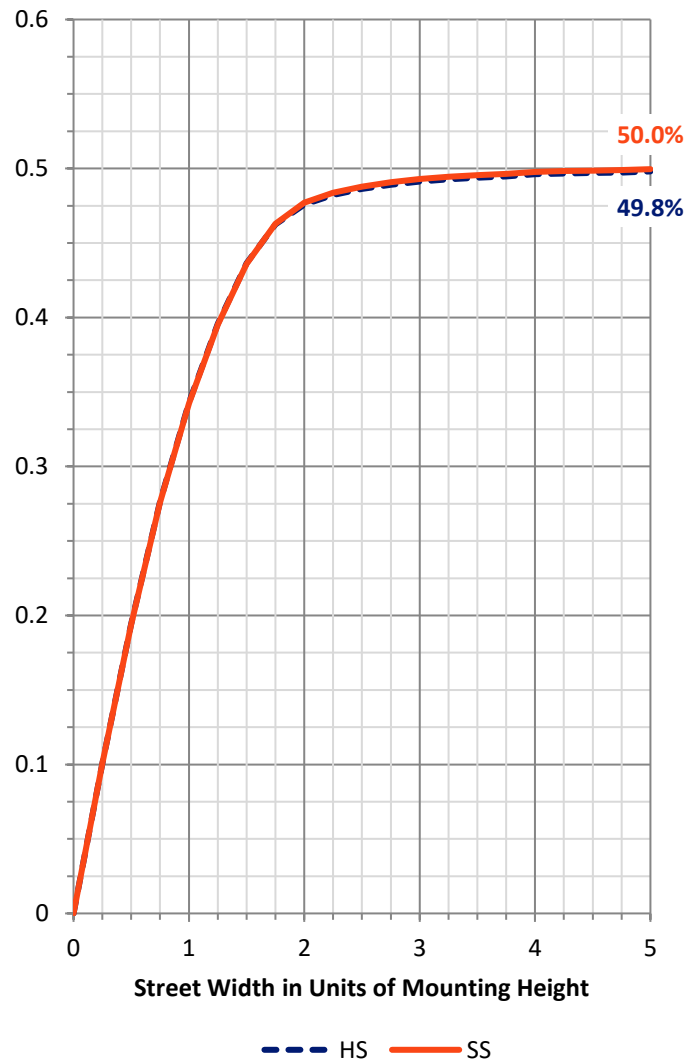
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	18299.5	0.0	18299.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	18299.5	0.0	18299.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	36599.0	0.0	36599.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	666.4	1.8
10°-20°	1981.7	5.4
20°-30°	3460.4	9.5
30°-40°	5526.7	15.1
40°-50°	7528.5	20.6
50°-60°	10180.5	27.8
60°-70°	5583.0	15.3
70°-80°	1428.3	3.9
80°-90°	243.6	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°	36599.0	100.0
0°-180°	36599.0	100.0

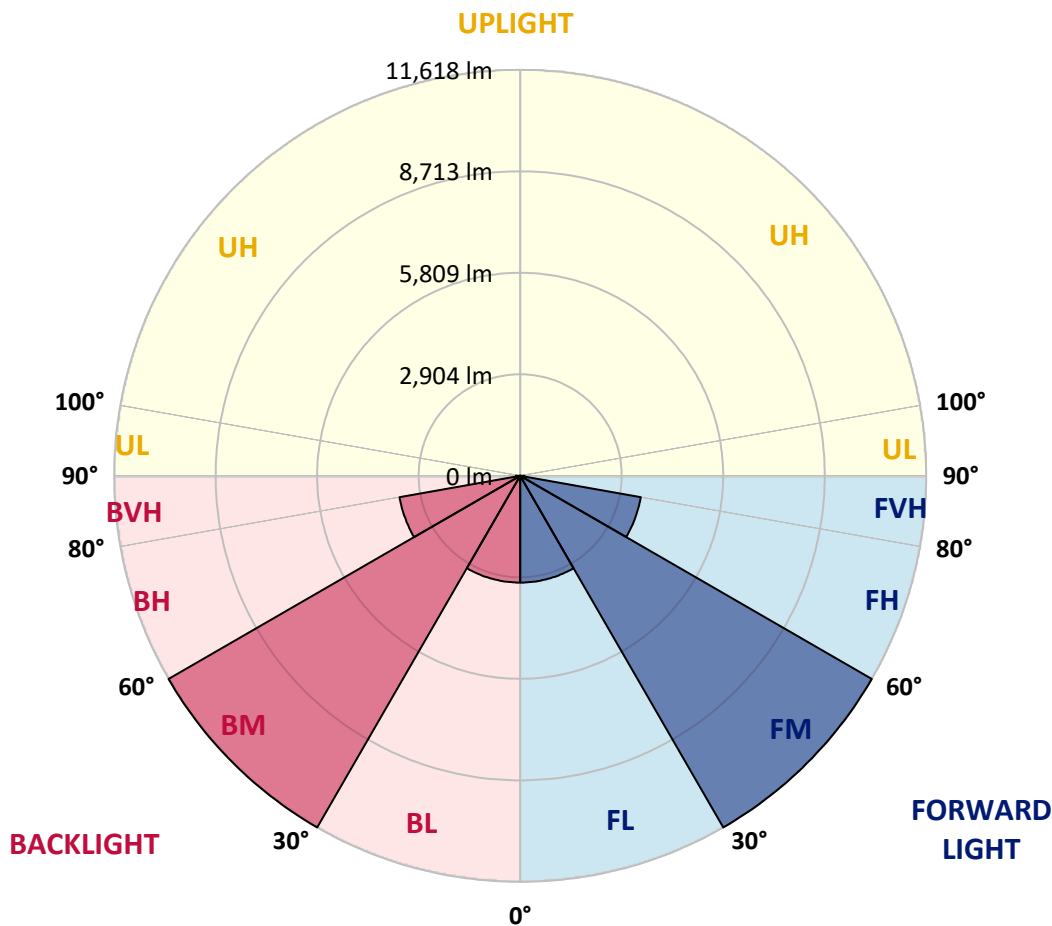


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3054.2	8.3			
FM (30°-60°)	11617.8	31.7			
FH (60°-80°)	3505.6	9.6			G2/5000
FVH (80°-90°)	121.8	0.3			G2/225
BL (0°-30°)	3054.2	8.3	B4/5000		
BM (30°-60°)	11617.8	31.7	B5		
BH (60°-80°)	3505.6	9.6	B4/5000		G2/5000
BVH (80°-90°)	121.8	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°	7069.2	7069.2	7069.2	7069.2	7069.2	7069.2	7069.2	7069.2	7069.2	7069.2	7069.2
2.5°	7027.0	7078.6	7041.0	7073.9	7069.2	7055.1	7031.6	7017.6	6998.8	7027.0	6980.0
5°	6998.8	7041.0	7083.2	7027.0	7027.0	6998.8	6984.7	6956.6	6956.6	6951.9	6947.2
7.5°	7045.7	7003.5	6984.7	6994.1	7003.5	6942.5	6984.7	6928.4	6881.5	6914.4	6951.9
10°	7003.5	7022.3	6951.9	6984.7	6933.1	6942.5	6914.4	6951.9	6900.3	6900.3	6900.3
12.5°	7045.7	6994.1	7017.6	6994.1	6980.0	6900.3	6937.8	6895.6	6890.9	6937.8	6895.6
15°	7130.2	7045.7	7027.0	6980.0	6994.1	6994.1	6956.6	6961.3	6909.7	6937.8	6947.2
17.5°	7102.0	7055.1	7041.0	6984.7	7031.6	7045.7	6975.4	6928.4	6961.3	6956.6	6951.9
20°	7125.5	7144.2	7130.2	7139.5	7158.3	7120.8	7055.1	6989.4	6947.2	7008.2	7003.5
22.5°	7275.6	7256.8	7247.4	7238.0	7270.9	7308.4	7219.3	7116.1	7116.1	7158.3	7177.1
25°	7397.5	7392.8	7388.2	7430.4	7543.0	7543.0	7430.4	7299.0	7266.2	7294.3	7270.9
27.5°	7575.8	7627.4	7608.6	7683.7	7847.9	7885.4	7735.3	7580.5	7491.4	7458.5	7500.7
30°	7983.9	7922.9	7937.0	8016.7	8162.2	8284.1	8054.3	7890.1	7768.1	7763.4	7782.2
32.5°	8256.0	8302.9	8345.1	8420.2	8650.0	8743.8	8467.1	8199.7	8124.6	8082.4	8096.5
35°	8800.1	8757.9	8748.5	8823.6	9053.4	9208.2	8861.1	8626.6	8528.0	8621.9	8621.9
37.5°	9316.1	9198.8	9109.7	9208.2	9419.3	9438.1	9142.6	9015.9	8964.3	9072.2	9067.5
40°	9560.0	9550.7	9344.3	9400.6	9682.0	9710.1	9433.4	9283.3	9273.9	9414.6	9555.4
42.5°	9813.3	9724.2	9517.8	9555.4	9728.9	9738.3	9475.6	9433.4	9536.6	9672.6	9682.0
45°	9855.6	9780.5	9649.2	9555.4	9682.0	9710.1	9555.4	9583.5	9592.9	9757.1	9757.1
47.5°	9940.0	9930.6	9855.6	9785.2	9808.7	9785.2	9686.7	9728.9	9869.6	9949.4	9911.9
50°	10174.5	10076.0	10151.1	10090.1	10094.8	10160.5	10071.3	10113.6	10085.4	10015.1	9968.1
52.5°	10690.5	10643.6	10709.3	10751.5	10798.4	10948.5	10845.3	10620.2	10409.1	10221.5	10216.8
55°	11445.8	11478.6	11605.3	11821.1	12004.0	12243.2	11746.0	11206.5	10868.8	10573.3	10592.0
57.5°	12158.8	12135.3	12308.9	12801.4	13336.2	13458.2	12482.5	11713.2	11164.3	10976.7	10896.9
59°	11586.5	11699.1	12093.1	12642.0	13481.6	13659.9	12384.0	11300.4	10718.7	10338.7	10404.4
60°	10685.9	10728.1	11079.9	11844.5	12979.7	13284.6	11722.5	10662.4	9888.4	9667.9	9766.4
62.5°	7552.3	7519.5	7772.8	8396.7	9414.6	9827.4	8715.7	7969.8	7482.0	7238.0	7294.3
65°	4015.4	4165.5	4268.7	4658.1	5197.5	5633.8	5174.1	4850.4	4578.3	4376.6	4371.9
67.5°	2711.3	2692.6	2716.0	2805.2	2988.1	3110.1	3100.7	2936.5	2913.0	2875.5	2917.7
70°	2284.5	2275.1	2232.9	2232.9	2270.4	2298.5	2331.4	2350.1	2387.7	2434.6	2429.9
72.5°	1852.9	1829.4	1801.3	1787.2	1834.1	1848.2	1890.4	1909.2	1942.0	1937.3	1979.6
75°	1224.3	1224.3	1257.2	1294.7	1308.8	1336.9	1341.6	1397.9	1397.9	1407.3	1369.7
77.5°	684.9	666.1	689.6	727.1	759.9	811.5	863.1	905.3	928.8	919.4	919.4
80°	398.7	398.7	422.2	464.4	506.6	553.5	591.1	623.9	647.3	638.0	619.2
82.5°	248.6	248.6	272.1	314.3	347.1	375.3	426.9	469.1	497.2	487.9	464.4
85°	126.7	126.7	154.8	182.9	225.2	243.9	239.2	220.5	215.8	192.3	192.3
87.5°	32.8	32.8	46.9	51.6	42.2	46.9	46.9	46.9	46.9	46.9	51.6
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)