

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: P533864

Luminaire Tested: **GALN-SA9B-750-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P533864  
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-SA9B-750-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 5000K, 800mA 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: 45532 lumens  
Efficiency: N/A  
Efficacy: 125.1 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

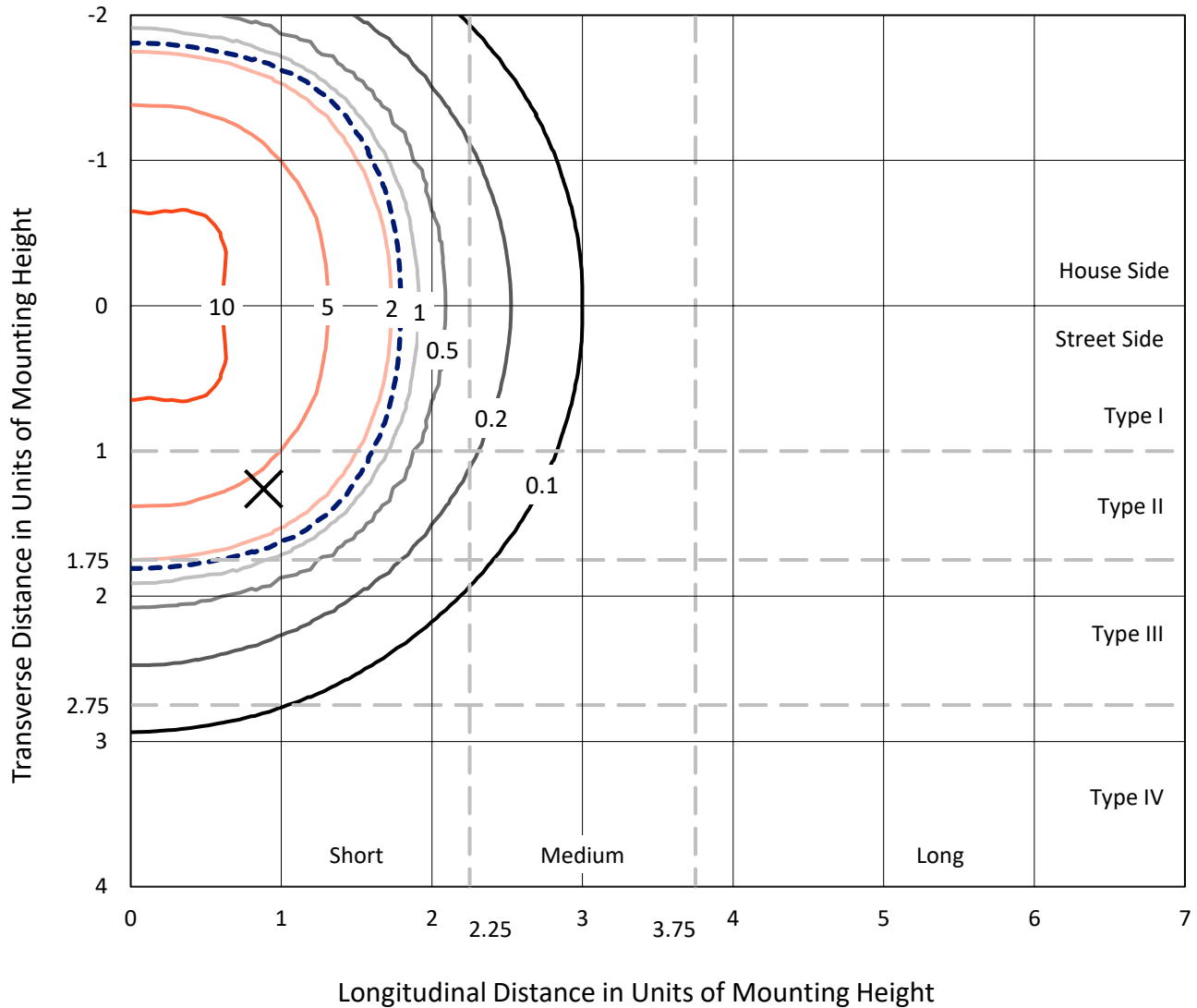
Input Watts (W): 364  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

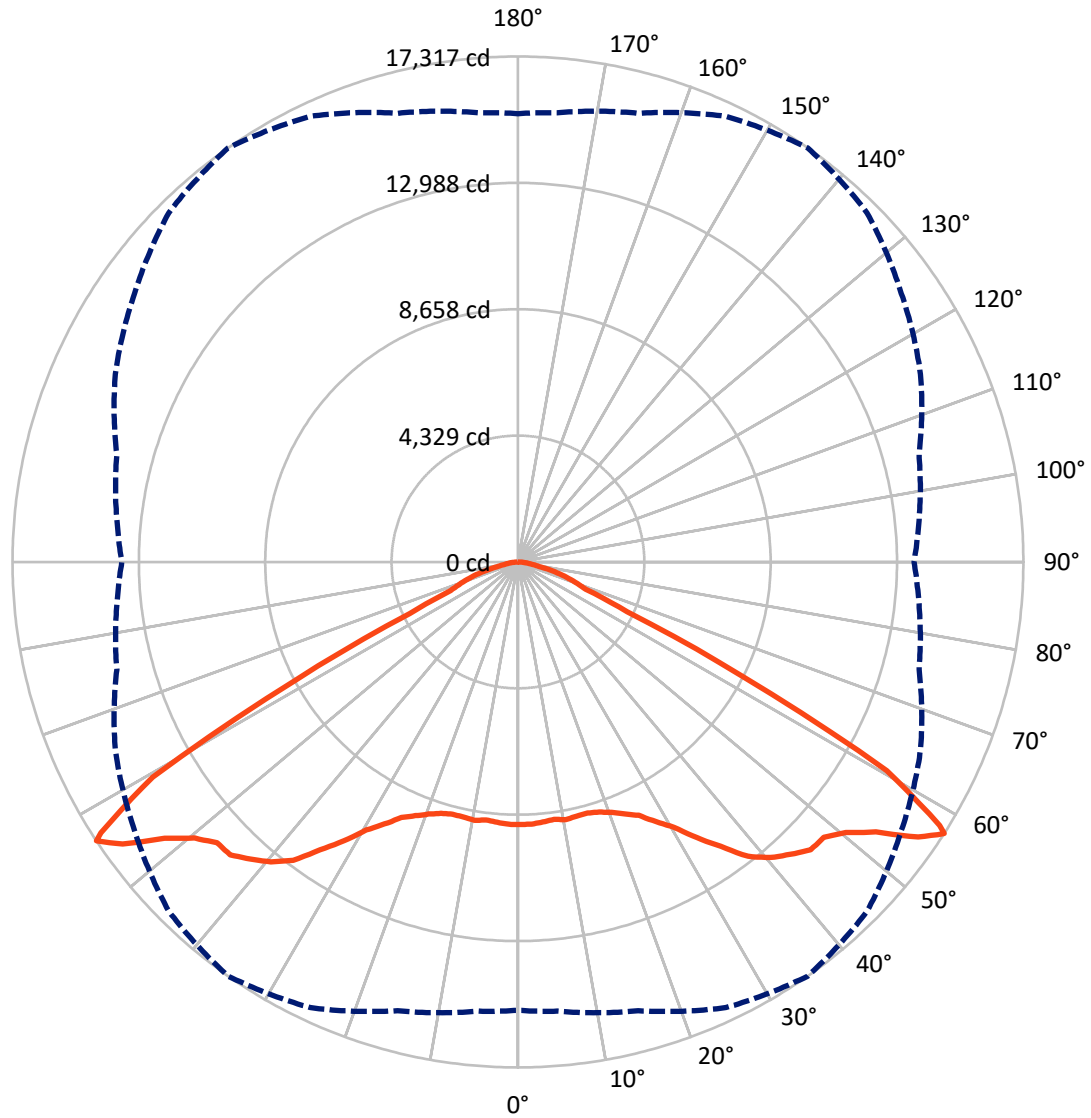
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.4 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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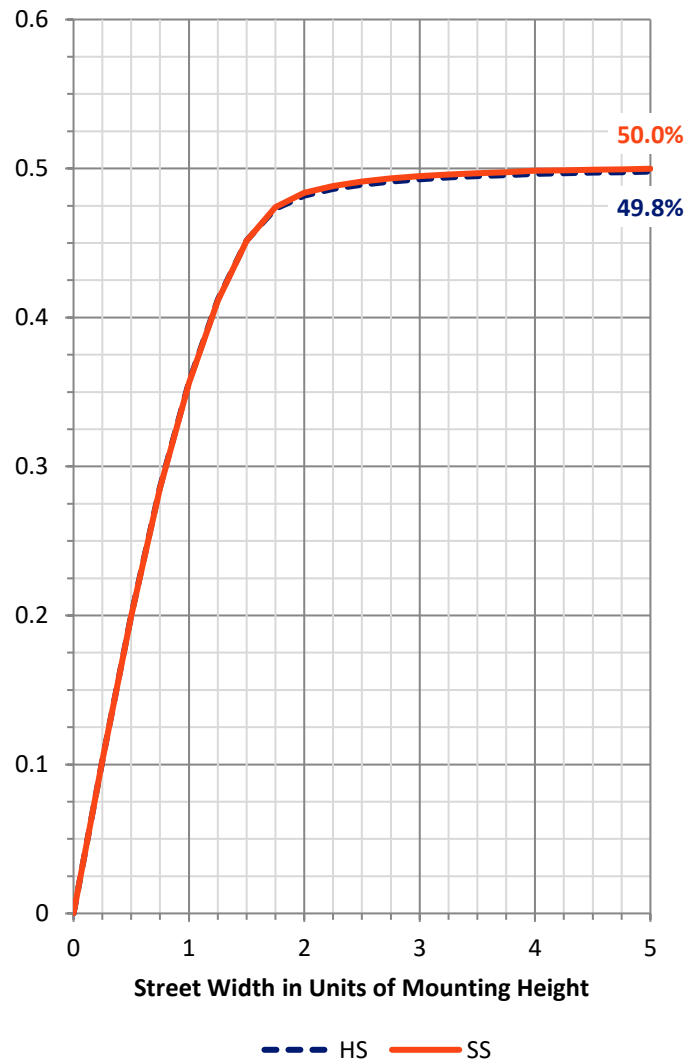
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	22766.0	0.0	22766.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	22766.0	0.0	22766.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	45532.0	0.0	45532.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	852.5	1.9
10°-20°	2524.9	5.5
20°-30°	4409.6	9.7
30°-40°	7225.3	15.9
40°-50°	10594.0	23.3
50°-60°	13344.0	29.3
60°-70°	5018.6	11.0
70°-80°	1334.4	2.9
80°-90°	228.8	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°	45532.0	100.0
0°-180°	45532.0	100.0

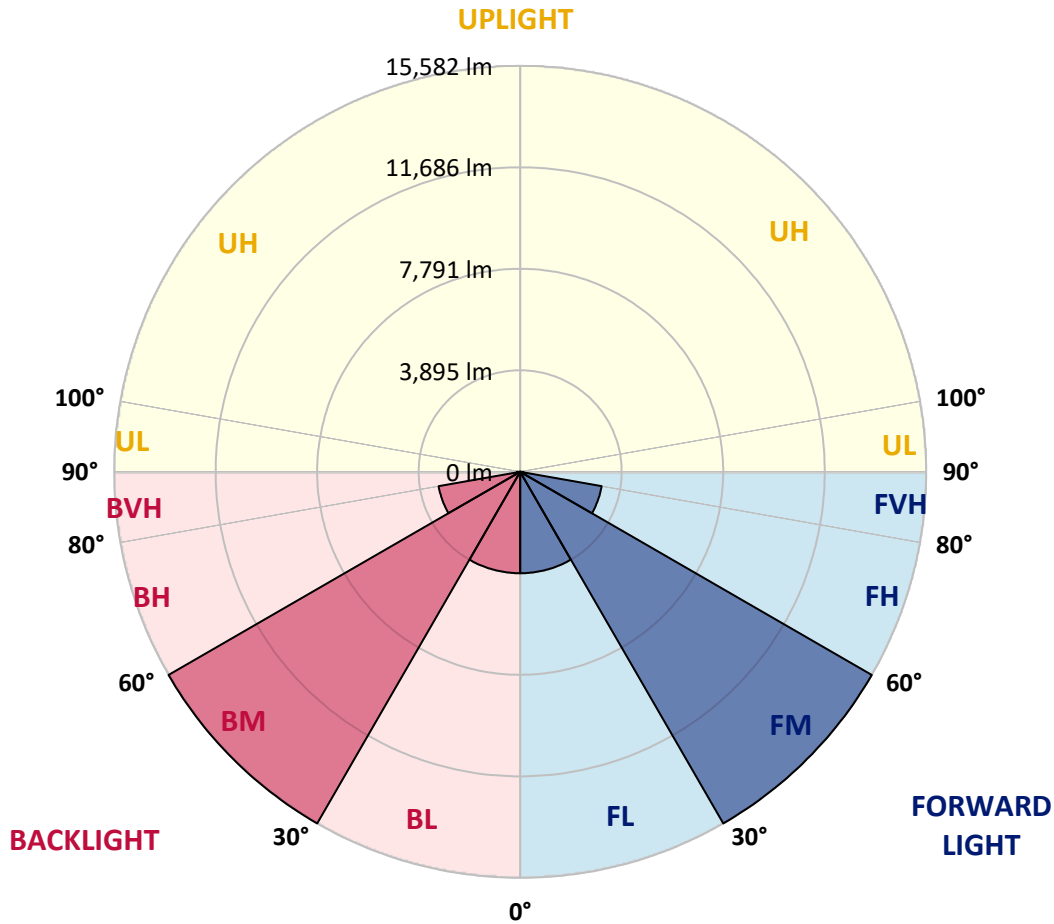


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3893.5	8.6			
FM (30°-60°)	15581.6	34.2			
FH (60°-80°)	3176.5	7.0			G2/5000
FVH (80°-90°)	114.4	0.3			G2/225
BL (0°-30°)	3893.5	8.6	B4/5000		
BM (30°-60°)	15581.6	34.2	B5		
BH (60°-80°)	3176.5	7.0	B4/5000		G2/5000
BVH (80°-90°)	114.4	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°	8992.2	8992.2	8992.2	8992.2	8992.2	8992.2	8992.2	8992.2	8992.2	8992.2	8992.2
2.5°	8947.4	9037.1	8997.8	8975.4	8992.2	8964.2	8919.3	8969.8	8958.6	8913.7	8896.9
5°	8924.9	8992.2	8947.4	8992.2	8947.4	9025.9	9003.5	8919.3	9020.3	8924.9	8958.6
7.5°	8908.1	8930.5	8941.7	8919.3	8902.5	8997.8	8947.4	8908.1	8852.0	8835.2	8863.2
10°	8868.8	8924.9	8840.8	8953.0	8975.4	8908.1	8908.1	8835.2	8790.3	8762.2	8857.6
12.5°	8969.8	8874.4	8863.2	8919.3	8936.1	8964.2	8885.7	8846.4	8762.2	8773.5	8756.6
15°	8852.0	8891.3	8896.9	8908.1	8924.9	8992.2	8919.3	8835.2	8801.5	8683.7	8694.9
17.5°	8896.9	8857.6	8896.9	9025.9	9003.5	9053.9	8975.4	8846.4	8767.8	8700.5	8790.3
20°	8975.4	8958.6	8975.4	9132.5	9160.5	9205.4	9138.1	9020.3	8868.8	8790.3	8835.2
22.5°	9059.6	9048.3	9059.6	9211.0	9373.7	9429.8	9362.5	9087.6	9009.1	8863.2	8812.7
25°	9211.0	9222.2	9340.0	9508.3	9614.9	9721.5	9598.1	9401.7	9149.3	9059.6	8953.0
27.5°	9547.6	9575.6	9643.0	9889.8	10074.9	10170.3	9996.4	9727.1	9570.0	9384.9	9356.9
30°	9962.7	9962.7	10080.5	10293.7	10546.1	10692.0	10478.8	10159.0	9968.3	9867.3	9805.6
32.5°	10512.4	10450.7	10495.6	10871.5	11264.1	11387.5	11101.5	10708.8	10405.9	10271.2	10226.4
35°	10983.7	11022.9	11123.9	11527.8	11965.3	12251.4	11802.7	11292.2	10983.7	10860.2	10837.8
37.5°	11595.1	11662.4	11712.9	12268.3	12795.6	12902.1	12470.2	12060.7	11684.9	11583.9	11527.8
40°	12459.0	12414.1	12430.9	12840.4	13317.3	13384.6	12958.2	12666.5	12358.0	12296.3	12296.3
42.5°	13171.4	13120.9	13177.0	13328.5	13693.1	13642.6	13407.0	13193.8	13064.8	12997.5	13064.8
45°	13603.3	13592.1	13693.1	13805.3	14063.3	13895.0	13709.9	13743.6	13620.2	13508.0	13502.4
47.5°	14074.6	14001.6	14125.0	14293.3	14097.0	14018.5	14007.2	14080.2	14040.9	13844.6	13782.9
50°	14304.6	14276.5	14472.8	14669.2	14562.6	14383.1	14422.4	14540.2	14035.3	13771.6	13620.2
52.5°	14921.6	14927.2	15303.1	15409.6	15364.8	15101.1	15185.3	14865.5	14270.9	13900.7	13917.5
55°	15892.1	15852.8	16273.5	16587.7	16638.2	16301.6	15897.7	15448.9	14702.8	14327.0	14214.8
57°	15359.2	15448.9	15914.5	16845.7	17316.9	16918.6	16037.9	15218.9	14226.0	13771.6	13569.7
57.5°	14646.7	14792.6	15600.4	16537.2	17030.8	16997.2	15864.0	14792.6	13906.3	13199.5	13216.3
60°	10731.2	10759.3	11488.5	12975.1	14517.7	14551.4	13171.4	11752.2	10764.9	9996.4	10102.9
62.5°	5660.1	5789.1	6080.8	7275.7	8610.8	8936.1	8100.3	7371.1	6518.4	5935.0	5991.1
65°	2995.5	2978.7	3119.0	3455.5	4111.9	4280.1	4168.0	3590.2	3292.9	3197.5	3203.1
67.5°	2434.6	2462.6	2445.8	2462.6	2507.5	2580.4	2563.6	2586.0	2602.9	2630.9	2625.3
70°	2064.3	2064.3	2075.6	2081.2	2081.2	2114.8	2154.1	2227.0	2232.6	2260.7	2271.9
72.5°	1626.8	1615.6	1632.4	1671.7	1677.3	1705.3	1761.4	1806.3	1823.1	1823.1	1789.5
75°	1105.1	1116.3	1138.8	1172.4	1206.1	1256.6	1301.4	1329.5	1340.7	1323.9	1307.0
77.5°	622.7	633.9	650.7	701.2	740.5	785.3	835.8	863.9	891.9	897.5	863.9
80°	370.2	370.2	398.3	437.6	482.4	527.3	572.2	605.8	617.1	617.1	600.2
82.5°	224.4	230.0	252.4	291.7	331.0	359.0	398.3	426.3	448.8	443.2	431.9
85°	117.8	117.8	140.2	173.9	201.9	230.0	230.0	213.2	201.9	173.9	162.7
87.5°	39.3	33.7	44.9	44.9	39.3	44.9	44.9	50.5	50.5	50.5	50.5
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)