

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: P533868

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

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P533868  
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-750-U-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 5000K, 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: 43763 lumens  
Efficiency: N/A  
Efficacy: 120.2 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

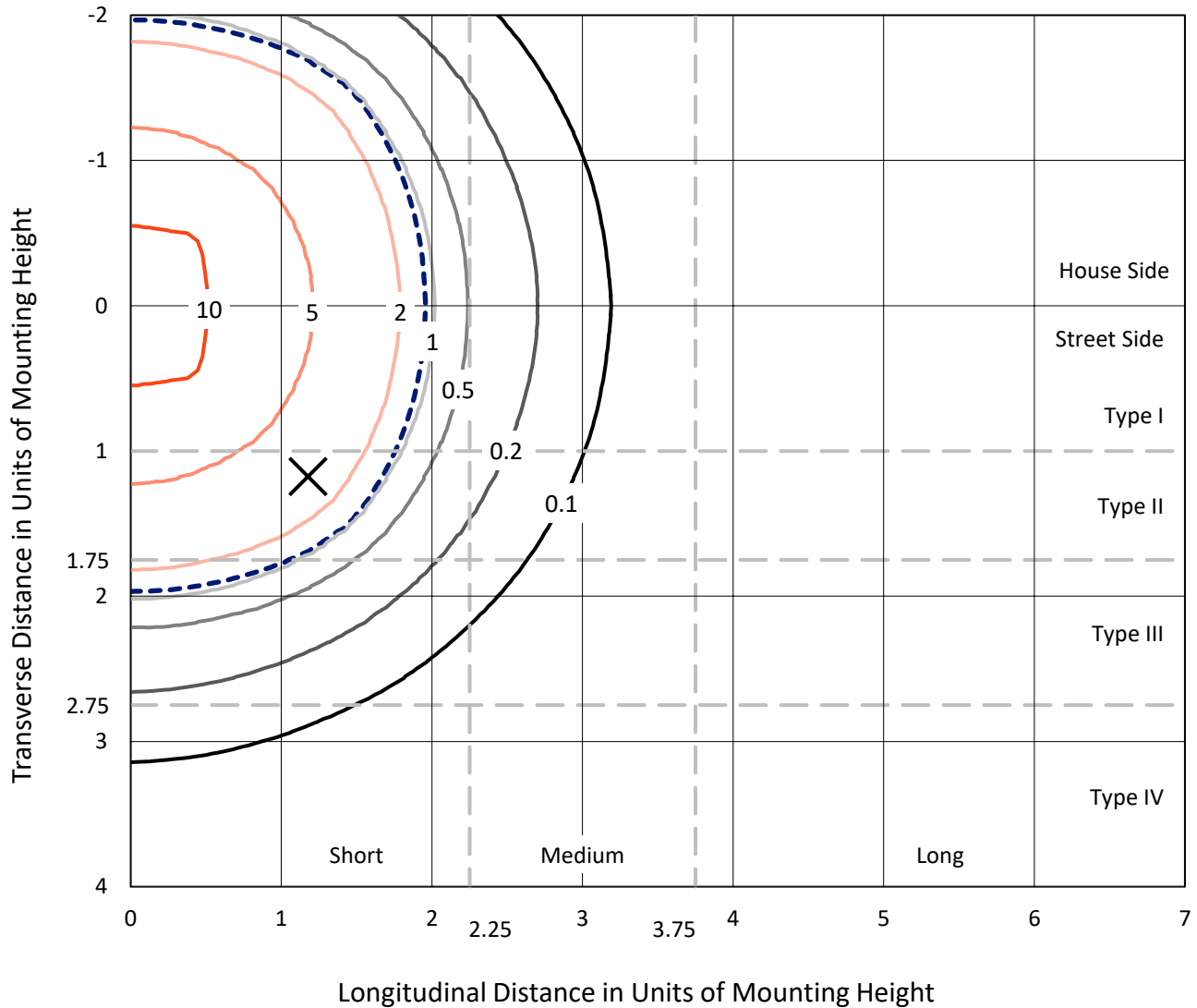
Input Watts (W): 364  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

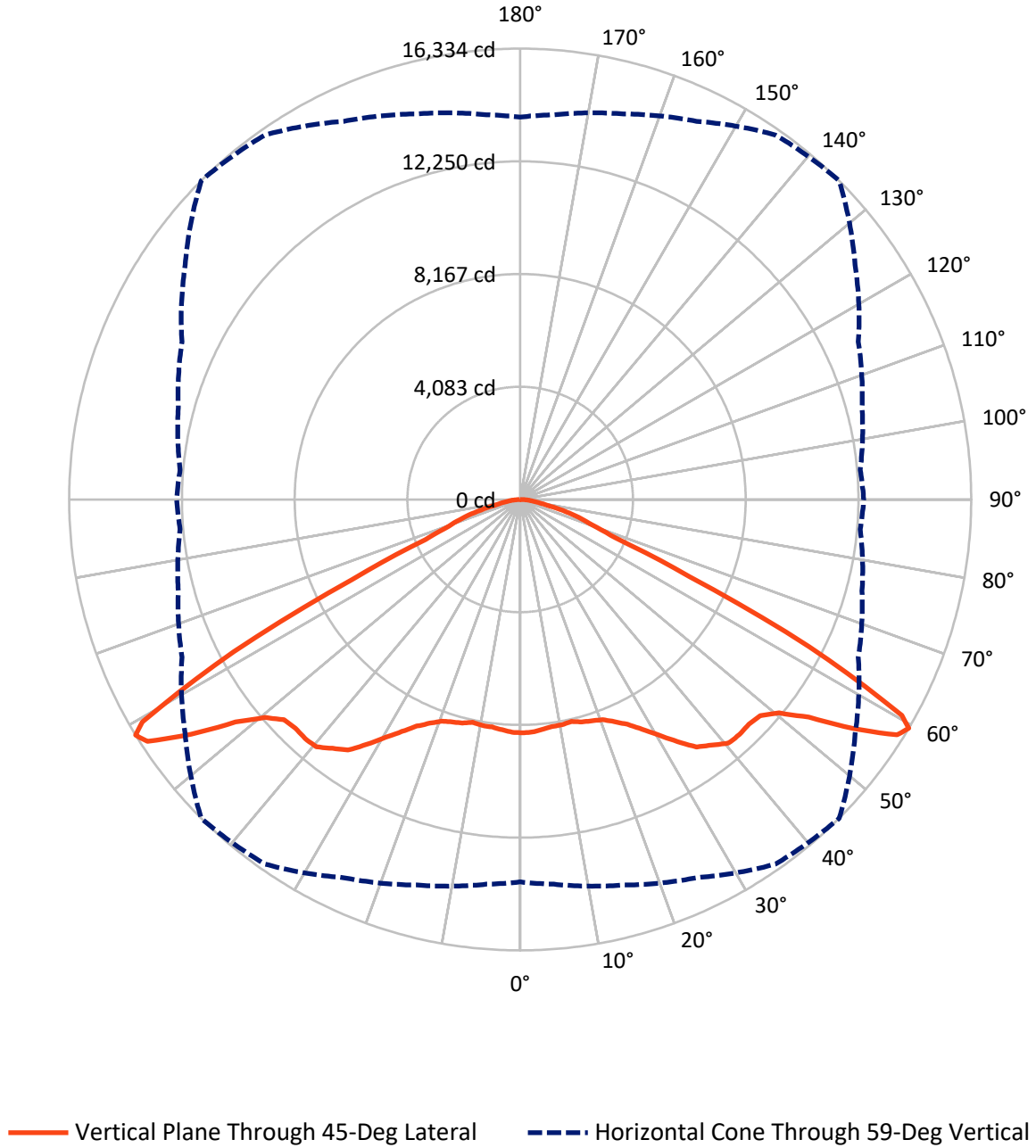
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.5 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	21881.5	0.0	21881.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	21881.5	0.0	21881.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	43763.0	0.0	43763.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	796.8	1.8
10°-20°	2369.7	5.4
20°-30°	4137.7	9.5
30°-40°	6608.5	15.1
40°-50°	9002.1	20.6
50°-60°	12173.2	27.8
60°-70°	6675.8	15.3
70°-80°	1707.9	3.9
80°-90°	291.3	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°	43763.0	100.0
0°-180°	43763.0	100.0



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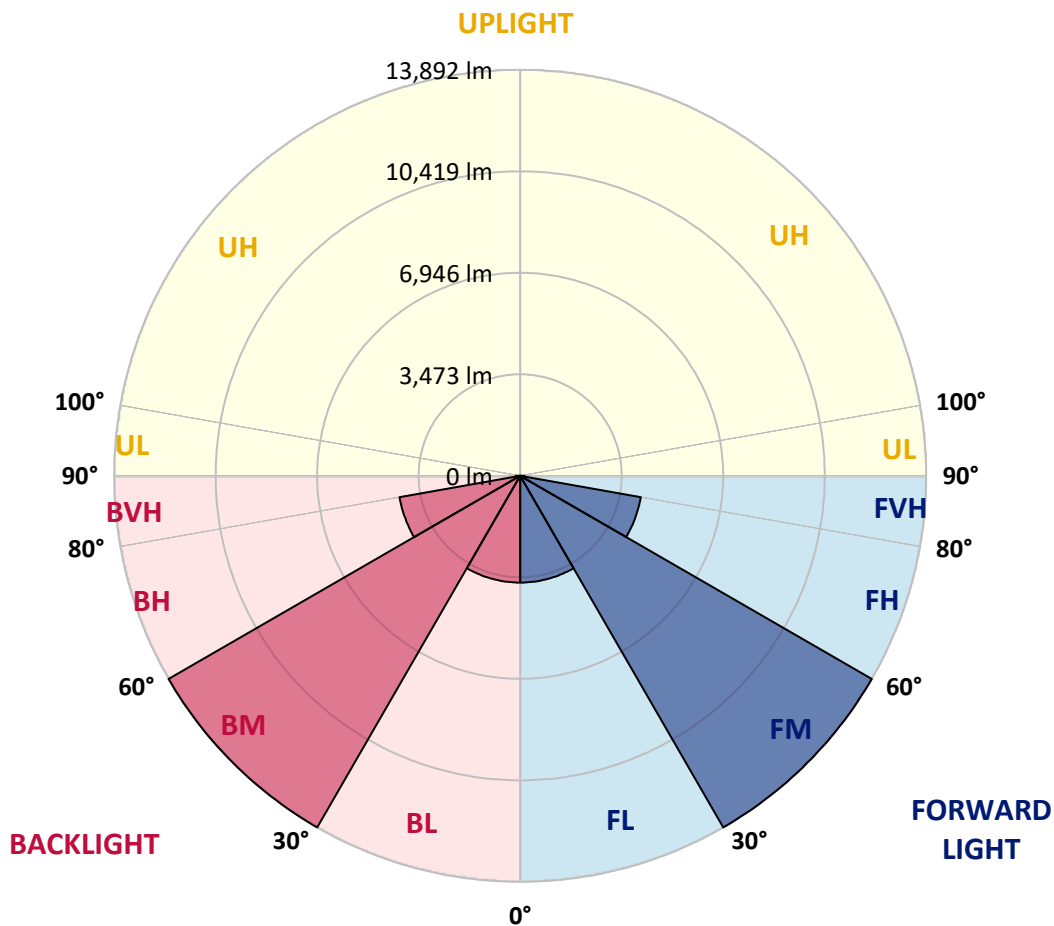
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3652.1	8.3			
FM (30°-60°)	13891.9	31.7			
FH (60°-80°)	4191.9	9.6			G2/5000
FVH (80°-90°)	145.6	0.3			G2/225
BL (0°-30°)	3652.1	8.3	B4/5000		
BM (30°-60°)	13891.9	31.7	B5		
BH (60°-80°)	4191.9	9.6	B4/5000		G2/5000
BVH (80°-90°)	145.6	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°	8452.9	8452.9	8452.9	8452.9	8452.9	8452.9	8452.9	8452.9	8452.9	8452.9	8452.9
2.5°	8402.4	8464.1	8419.3	8458.5	8452.9	8436.1	8408.0	8391.2	8368.8	8402.4	8346.3
5°	8368.8	8419.3	8469.7	8402.4	8402.4	8368.8	8352.0	8318.3	8318.3	8312.7	8307.1
7.5°	8424.9	8374.4	8352.0	8363.2	8374.4	8301.5	8352.0	8284.6	8228.6	8267.8	8312.7
10°	8374.4	8396.8	8312.7	8352.0	8290.3	8301.5	8267.8	8312.7	8251.0	8251.0	8251.0
12.5°	8424.9	8363.2	8391.2	8363.2	8346.3	8251.0	8295.9	8245.4	8239.8	8295.9	8245.4
15°	8525.8	8424.9	8402.4	8346.3	8363.2	8363.2	8318.3	8323.9	8262.2	8295.9	8307.1
17.5°	8492.2	8436.1	8419.3	8352.0	8408.0	8424.9	8340.7	8284.6	8323.9	8318.3	8312.7
20°	8520.2	8542.7	8525.8	8537.1	8559.5	8514.6	8436.1	8357.6	8307.1	8380.0	8374.4
22.5°	8699.7	8677.3	8666.1	8654.8	8694.1	8739.0	8632.4	8509.0	8509.0	8559.5	8581.9
25°	8845.6	8839.9	8834.3	8884.8	9019.4	9019.4	8884.8	8727.8	8688.5	8722.2	8694.1
27.5°	9058.7	9120.4	9098.0	9187.7	9384.0	9428.9	9249.4	9064.3	8957.7	8918.5	8969.0
30°	9546.7	9473.8	9490.6	9586.0	9759.8	9905.7	9630.8	9434.5	9288.7	9283.1	9305.5
32.5°	9872.0	9928.1	9978.6	10068.3	10343.2	10455.4	10124.4	9804.7	9715.0	9664.5	9681.3
35°	10522.7	10472.2	10461.0	10550.7	10825.6	11010.7	10595.6	10315.1	10197.3	10309.5	10309.5
37.5°	11139.7	10999.5	10892.9	11010.7	11263.1	11285.5	10932.1	10780.7	10719.0	10848.0	10842.4
40°	11431.4	11420.1	11173.3	11240.6	11577.2	11610.8	11279.9	11100.4	11089.2	11257.5	11425.7
42.5°	11734.2	11627.7	11380.9	11425.7	11633.3	11644.5	11330.4	11279.9	11403.3	11566.0	11577.2
45°	11784.7	11695.0	11537.9	11425.7	11577.2	11610.8	11425.7	11459.4	11470.6	11666.9	11666.9
47.5°	11885.7	11874.5	11784.7	11700.6	11728.6	11700.6	11582.8	11633.3	11801.6	11896.9	11852.0
50°	12166.1	12048.4	12138.1	12065.2	12070.8	12149.3	12042.7	12093.2	12059.6	11975.4	11919.3
52.5°	12783.1	12727.1	12805.6	12856.1	12912.2	13091.6	12968.2	12699.0	12446.6	12222.2	12216.6
55°	13686.2	13725.5	13876.9	14134.9	14353.7	14639.8	14045.2	13400.1	12996.3	12642.9	12665.4
57.5°	14538.8	14510.8	14718.3	15307.2	15946.7	16092.5	14925.8	14005.9	13349.7	13125.3	13029.9
59°	13854.5	13989.1	14460.3	15116.5	16120.6	16333.7	14808.0	13512.3	12816.8	12362.5	12441.0
60°	12777.5	12828.0	13248.7	14163.0	15520.4	15885.0	14017.1	12749.5	11824.0	11560.4	11678.2
62.5°	9030.7	8991.4	9294.3	10040.3	11257.5	11751.1	10421.7	9529.9	8946.5	8654.8	8722.2
65°	4801.4	4980.9	5104.3	5569.8	6214.9	6736.5	6186.8	5799.8	5474.5	5233.3	5227.7
67.5°	3242.1	3219.6	3247.7	3354.2	3573.0	3718.8	3707.6	3511.3	3483.3	3438.4	3488.9
70°	2731.6	2720.4	2669.9	2669.9	2714.8	2748.5	2787.7	2810.2	2855.0	2911.1	2905.5
72.5°	2215.6	2187.6	2153.9	2137.1	2193.2	2210.0	2260.5	2282.9	2322.2	2316.6	2367.0
75°	1464.0	1464.0	1503.2	1548.1	1564.9	1598.6	1604.2	1671.5	1671.5	1682.7	1637.9
77.5°	818.9	796.5	824.5	869.4	908.7	970.4	1032.1	1082.6	1110.6	1099.4	1099.4
80°	476.8	476.8	504.8	555.3	605.8	661.9	706.7	746.0	774.1	762.8	740.4
82.5°	297.3	297.3	325.3	375.8	415.1	448.7	510.4	560.9	594.6	583.3	555.3
85°	151.4	151.4	185.1	218.8	269.2	291.7	286.1	263.6	258.0	230.0	230.0
87.5°	39.3	39.3	56.1	61.7	50.5	56.1	56.1	56.1	56.1	56.1	61.7
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)