

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: P533846

Luminaire Tested: **GALN-SA9B-740-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P533846  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA9B-740-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 45201 lumens  
Efficiency: N/A  
Efficacy: 124.2 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

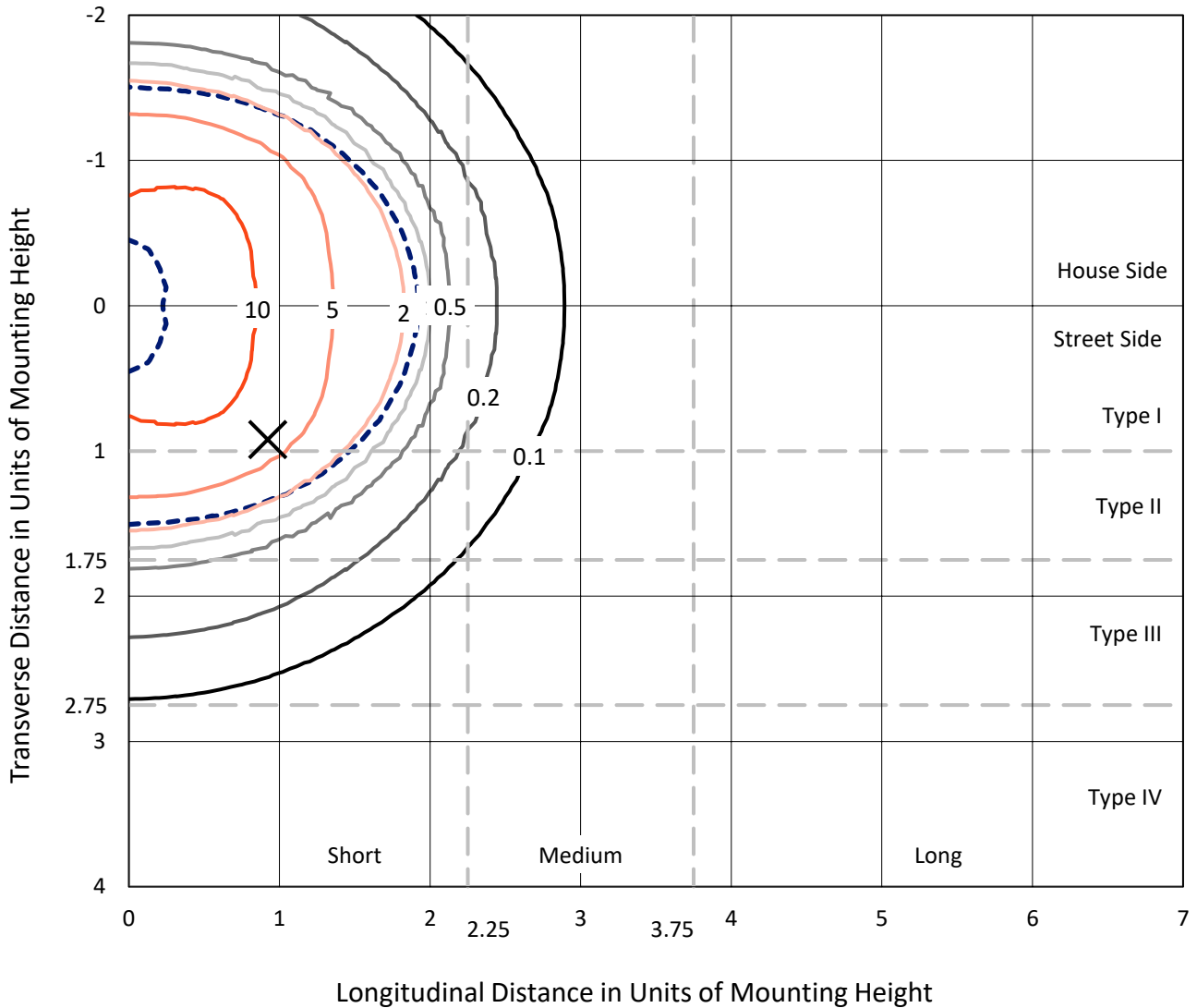
Input Watts (W): 364  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

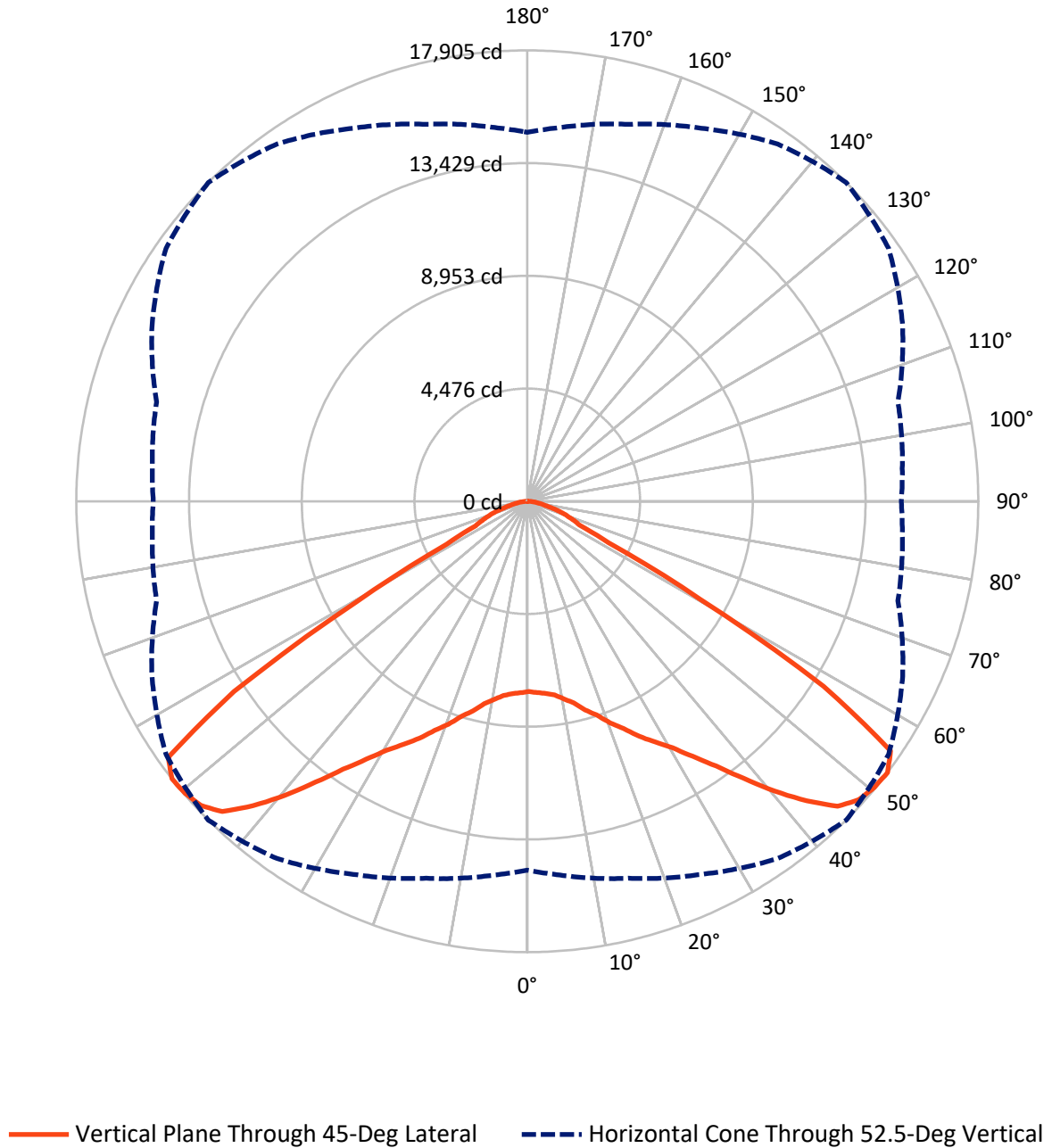
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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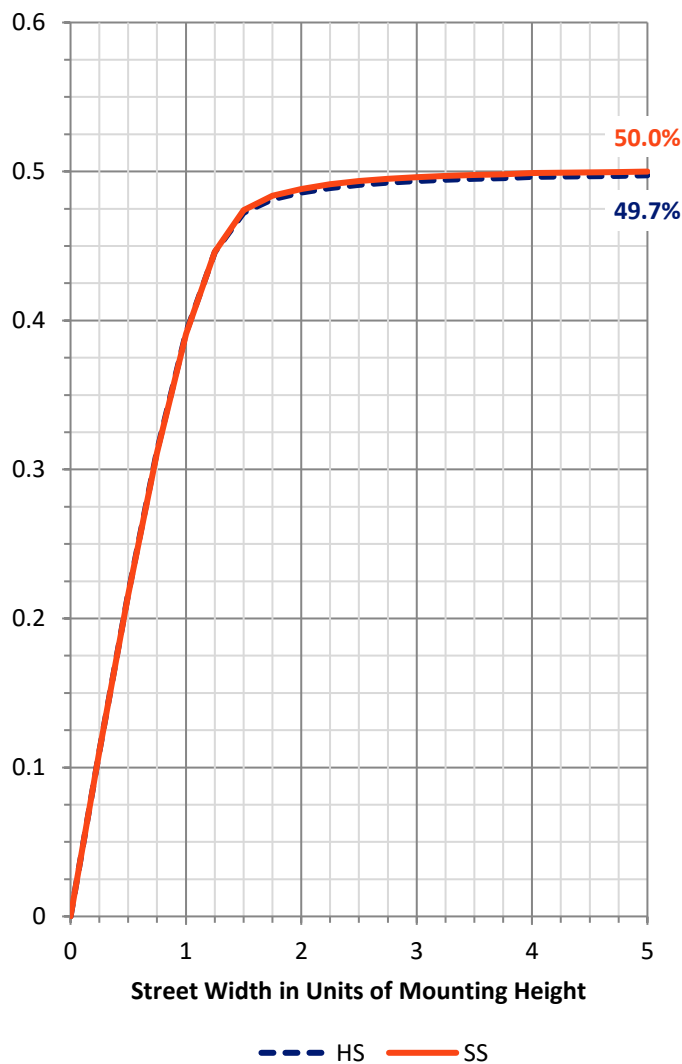
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	22600.5	0.0	22600.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	22600.5	0.0	22600.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	45201.0	0.0	45201.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	742.3	1.6
10°-20°	2439.3	5.4
20°-30°	4644.1	10.3
30°-40°	7974.2	17.6
40°-50°	12256.6	27.1
50°-60°	12446.4	27.5
60°-70°	3468.6	7.7
70°-80°	1023.2	2.3
80°-90°	206.1	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°	45201.0	100.0
0°-180°	45201.0	100.0

**Coefficient of Utilization**



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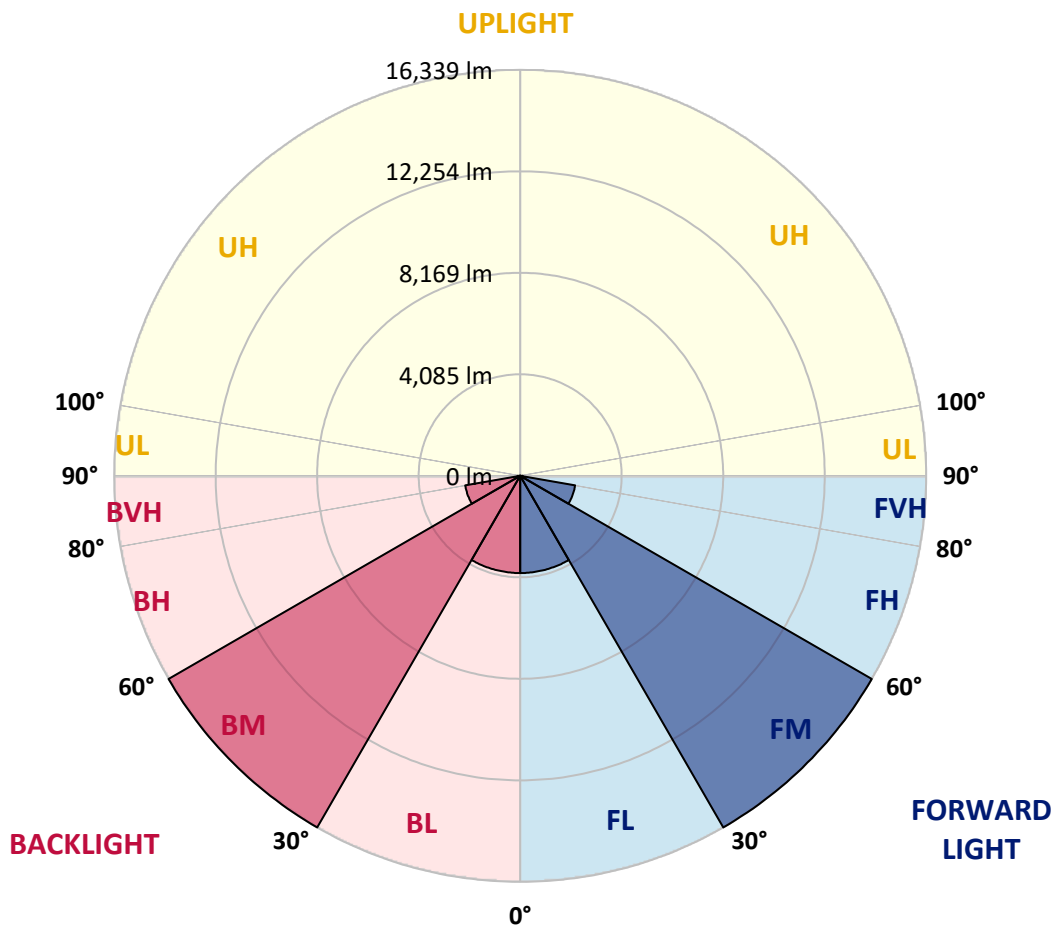
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3912.9	8.7			
FM (30°-60°)	16338.6	36.1			
FH (60°-80°)	2245.9	5.0			G2/5000
FVH (80°-90°)	103.1	0.2			G2/225
BL (0°-30°)	3912.9	8.7	B4/5000		
BM (30°-60°)	16338.6	36.1	B5		
BH (60°-80°)	2245.9	5.0	B3/2500		G2/5000
BVH (80°-90°)	103.1	0.2			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°	7555.9	7555.9	7555.9	7555.9	7555.9	7555.9	7555.9	7555.9	7555.9	7555.9	7555.9
2.5°	7572.8	7494.2	7522.3	7539.1	7612.0	7606.4	7589.6	7612.0	7634.5	7640.1	7628.9
5°	7567.2	7511.1	7533.5	7550.3	7623.3	7662.5	7651.3	7746.7	7814.0	7797.1	7881.3
7.5°	7522.3	7555.9	7527.9	7612.0	7673.7	7769.1	7870.1	7959.8	8044.0	8139.3	8156.2
10°	7623.3	7623.3	7673.7	7741.1	7903.7	7976.7	8122.5	8251.5	8414.2	8526.4	8481.5
12.5°	7729.8	7746.7	7746.7	7920.6	8055.2	8217.9	8352.5	8526.4	8756.4	8891.0	8958.3
15°	7836.4	7847.6	7903.7	8139.3	8341.3	8599.3	8722.7	8879.8	9008.8	9261.2	9266.8
17.5°	7931.8	7993.5	8161.8	8425.4	8677.8	8924.7	9121.0	9283.7	9395.8	9496.8	9474.4
20°	8290.8	8335.7	8509.6	8773.2	9149.0	9390.2	9457.5	9485.6	9558.5	9760.5	9698.8
22.5°	8638.6	8655.4	8818.1	9222.0	9485.6	9805.3	9878.3	9861.4	9889.5	9940.0	10029.7
25°	8997.6	9025.6	9250.0	9592.2	9962.4	10343.8	10405.5	10276.5	10237.3	10293.4	10299.0
27.5°	9457.5	9463.2	9749.2	10046.5	10467.3	10826.3	10921.6	10820.6	10635.5	10680.4	10753.3
30°	10040.9	10001.7	10287.7	10714.1	11157.2	11359.2	11521.8	11471.3	11269.4	11230.1	11168.4
32.5°	10714.1	10725.3	10983.3	11448.9	11740.6	12077.2	12251.1	12166.9	12037.9	11970.6	12009.9
35°	11662.1	11712.6	11886.4	12273.5	12744.7	12913.0	13187.8	13008.3	12671.8	12755.9	12828.8
37.5°	12441.8	12587.6	12913.0	13373.0	13653.4	13961.9	14062.9	13821.7	13574.9	13473.9	13715.1
40°	13636.6	13591.7	13950.7	14410.7	14825.8	15134.3	15005.3	14764.1	14152.7	14158.3	14225.6
42.5°	14663.1	14685.6	14960.4	15510.2	16076.7	16267.4	15857.9	15269.0	14590.2	14517.3	14663.1
45°	15527.0	15616.7	15773.8	16508.6	17064.0	17271.5	16514.3	15818.7	14909.9	14607.0	14848.2
47.5°	15835.5	15981.4	16323.5	16996.7	17546.4	17714.7	17108.9	16110.4	15207.2	14713.6	14842.6
50°	15880.4	15829.9	16390.8	17007.9	17490.3	17854.9	17322.0	16323.5	15134.3	14876.3	14837.0
52.5°	14651.9	14898.7	15498.9	16346.0	17322.0	17905.4	17512.7	16441.3	15235.3	14943.6	14848.2
55°	11858.4	11566.7	12660.6	14085.4	15880.4	17501.5	17445.4	16503.0	15297.0	15055.8	14926.8
57.5°	6619.2	6703.3	7320.3	8868.6	11185.3	13877.8	15510.2	15852.3	15269.0	15128.7	15196.0
60°	3062.8	3090.8	3354.5	4078.1	5514.1	7870.1	10018.5	12200.6	13204.7	13406.6	13406.6
62.5°	2283.1	2271.8	2339.1	2468.2	2771.1	3618.1	4829.7	6563.1	7943.0	8907.8	9160.2
65°	2064.3	2058.7	2092.3	2137.2	2159.6	2277.4	2546.7	3079.6	3528.4	3786.4	3741.5
67.5°	1806.2	1800.6	1811.9	1839.9	1879.2	1940.9	2008.2	2120.4	2277.4	2266.2	2238.2
70°	1458.5	1458.5	1475.3	1497.7	1542.6	1615.5	1694.1	1772.6	1907.2	1935.3	1929.7
72.5°	1077.0	1060.2	1093.8	1138.7	1183.6	1273.3	1357.5	1430.4	1525.8	1553.8	1542.6
75°	684.4	695.6	718.0	768.5	847.0	908.7	998.5	1060.2	1121.9	1144.3	1149.9
77.5°	381.4	392.7	431.9	493.6	572.2	639.5	718.0	768.5	807.8	813.4	819.0
80°	230.0	235.6	274.9	331.0	398.3	471.2	532.9	583.4	617.0	600.2	594.6
82.5°	140.2	145.8	179.5	230.0	286.1	342.2	409.5	454.4	488.0	465.6	443.1
85°	72.9	78.5	106.6	140.2	185.1	213.2	213.2	190.7	185.1	173.9	168.3
87.5°	22.4	22.4	28.0	33.7	28.0	33.7	39.3	44.9	44.9	50.5	44.9
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)