

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: P533839

Luminaire Tested: **GALN-SA9B-740-U-5NQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P533839  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)  
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-5NQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 35437 lumens  
Efficiency: N/A  
Efficacy: 97.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

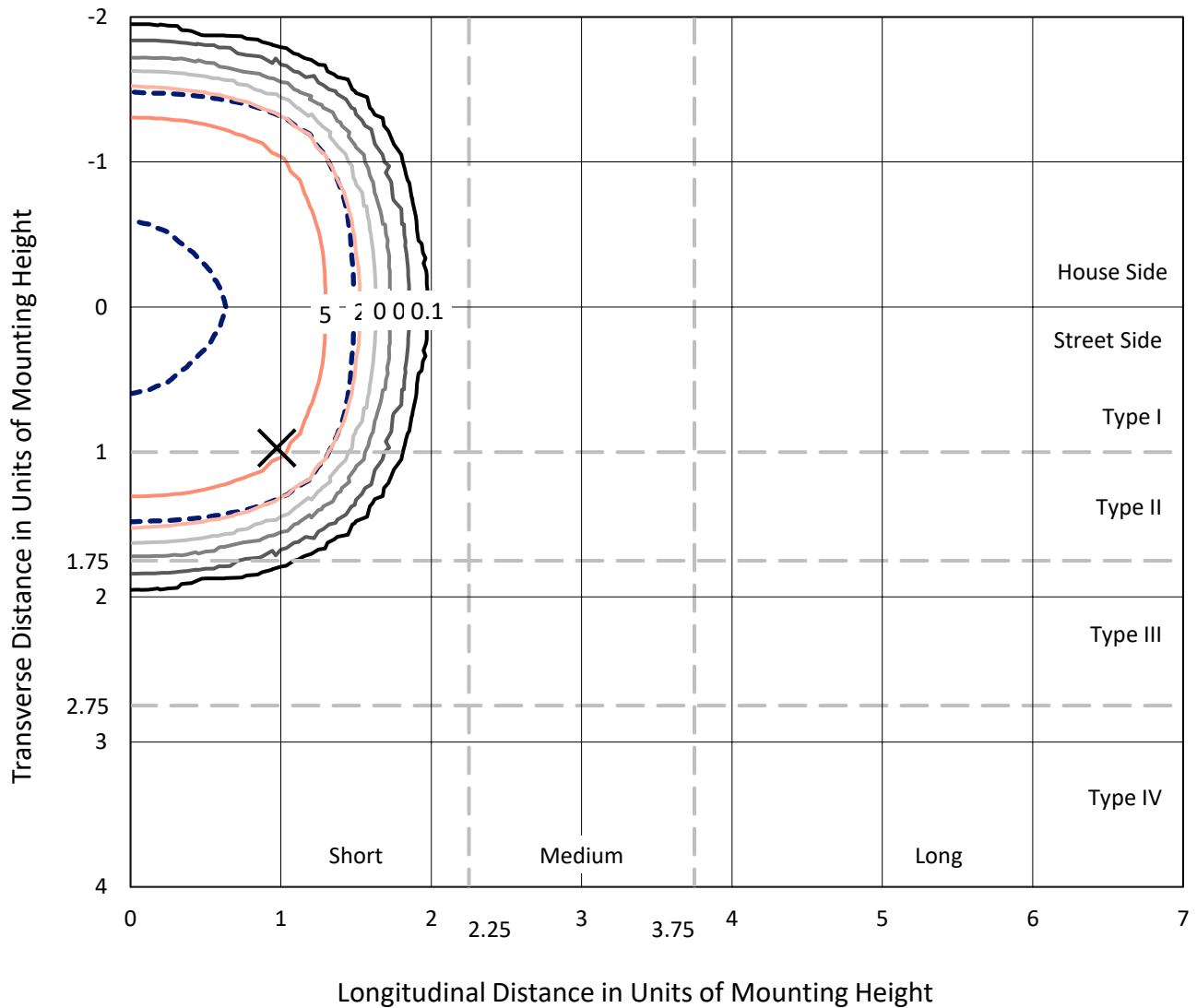
Input Watts (W): 364  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

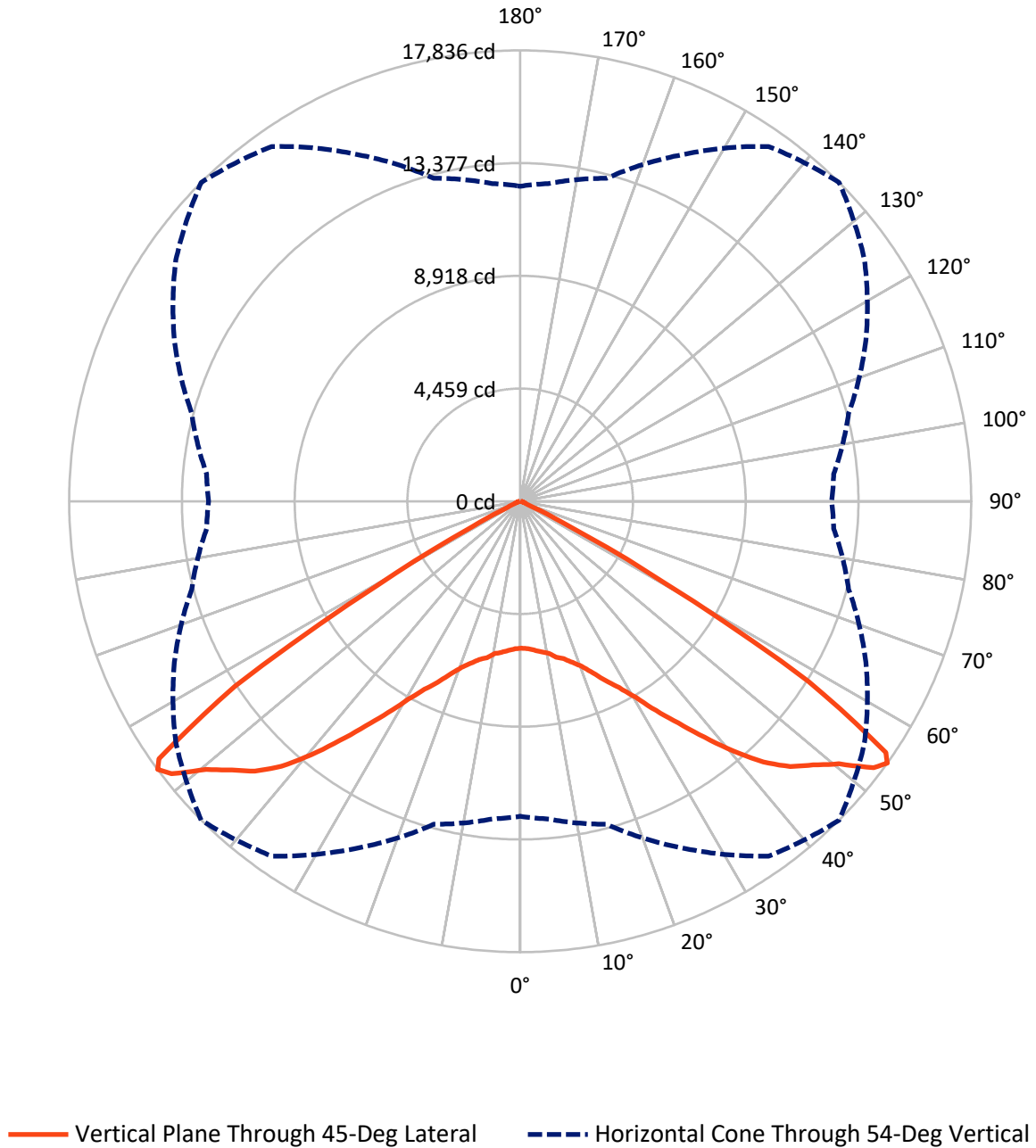
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 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	17718.5	0.0	17718.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17718.5	0.0	17718.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	35437.0	0.0	35437.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	568.7	1.6
10°-20°	1841.7	5.2
20°-30°	3609.7	10.2
30°-40°	6490.9	18.3
40°-50°	11111.2	31.4
50°-60°	10751.2	30.3
60°-70°	920.3	2.6
70°-80°	109.1	0.3
80°-90°	34.2	0.1
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°	35437.0	100.0
0°-180°	35437.0	100.0

**Coefficient of Utilization**



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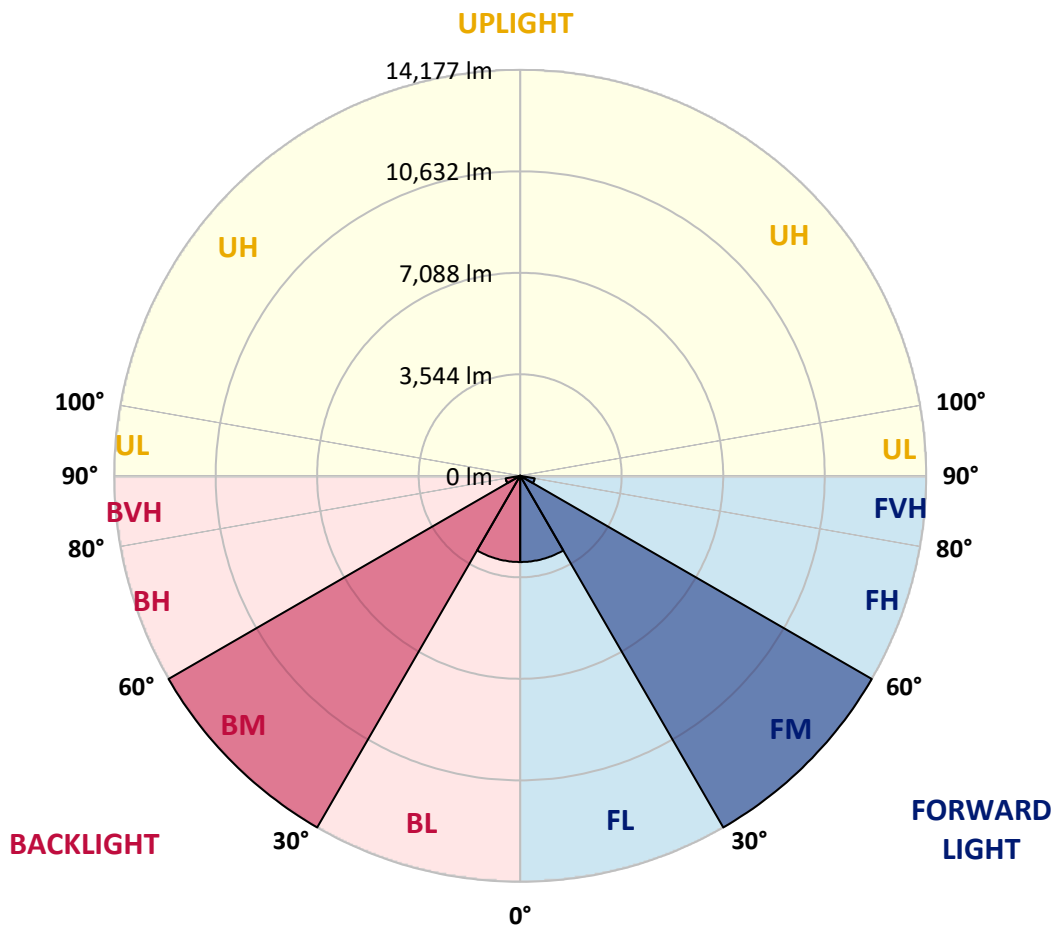
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3010.0	8.5			
FM (30°-60°)	14176.6	40.0			
FH (60°-80°)	514.7	1.5			G0/660
FVH (80°-90°)	17.1	0.0			G1/100
BL (0°-30°)	3010.0	8.5	B4/5000		
BM (30°-60°)	14176.6	40.0	B5		
BH (60°-80°)	514.7	1.5	B2/1000		G0/660
BVH (80°-90°)	17.1	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5810.6	5810.6	5810.6	5810.6	5810.6	5810.6	5810.6	5810.6	5810.6	5810.6	5810.6
2.5°	5838.6	5872.3	5849.9	5866.7	5866.7	5838.6	5855.5	5788.1	5833.0	5799.3	5804.9
5°	5928.5	5922.8	5922.8	5928.5	5906.0	5917.2	5894.8	5872.3	5855.5	5833.0	5900.4
7.5°	6040.7	6040.7	6001.4	6012.7	6001.4	6018.3	5973.4	5928.5	5911.6	5894.8	5883.5
10°	6147.4	6136.2	6119.3	6169.9	6130.6	6108.1	6085.7	6057.6	5995.8	5973.4	5950.9
12.5°	6304.6	6299.0	6276.5	6327.1	6304.6	6327.1	6242.8	6169.9	6158.6	6085.7	6125.0
15°	6489.9	6540.4	6501.1	6501.1	6489.9	6461.8	6428.1	6394.4	6293.4	6265.3	6270.9
17.5°	6731.3	6714.4	6720.0	6720.0	6776.2	6703.2	6635.8	6551.6	6501.1	6484.3	6428.1
20°	6961.4	6983.9	6978.3	7017.6	7051.3	6972.7	6899.7	6888.5	6748.1	6770.6	6692.0
22.5°	7365.7	7348.8	7376.9	7405.0	7382.5	7371.3	7303.9	7219.7	7096.2	7040.0	7028.8
25°	7792.3	7764.3	7713.7	7781.1	7814.8	7865.3	7736.2	7691.3	7500.4	7416.2	7421.8
27.5°	8157.2	8196.5	8252.7	8280.8	8365.0	8348.1	8258.3	8112.3	7966.4	7870.9	7809.2
30°	8656.9	8679.4	8774.8	8814.1	8960.1	8999.4	8859.0	8690.6	8432.3	8308.8	8235.8
32.5°	9117.3	9274.4	9268.8	9465.3	9701.1	9863.9	9611.3	9353.0	9094.8	8948.8	8819.7
35°	9863.9	9835.9	9998.7	10206.4	10588.1	10773.4	10498.3	10200.8	9807.8	9572.0	9470.9
37.5°	10560.1	10571.3	10790.2	11121.5	11559.4	11845.7	11604.3	11115.9	10711.6	10408.5	10268.1
40°	11570.6	11593.1	11817.6	12193.8	12687.8	12996.6	12715.9	12221.8	11682.9	11447.1	11447.1
42.5°	12755.2	12850.6	12996.6	13322.2	13765.7	14108.2	13855.5	13468.2	12923.6	12620.4	12665.3
45°	13973.4	14018.3	14113.8	14596.6	14804.3	14972.7	14736.9	14557.3	14192.4	13821.8	13760.1
47.5°	15113.1	15129.9	15410.6	15562.2	15725.0	15584.7	15736.2	15500.5	15090.6	14731.3	14658.3
50°	15618.3	15590.3	15988.9	16449.2	16572.7	16325.7	16196.6	16039.4	15416.2	14984.0	14793.1
52.5°	14147.5	14310.3	15051.3	16331.3	17297.0	17504.7	16752.4	16028.2	14866.1	14024.0	13894.8
54°	12463.2	12614.8	13226.8	15124.3	17134.1	17835.9	16623.3	15085.0	13445.7	12446.4	12317.3
55°	10795.9	10627.4	11739.0	13675.9	16370.6	17544.0	16112.4	13866.8	11991.7	11076.6	10896.9
57.5°	5844.2	5872.3	6809.9	8640.1	11503.2	13451.3	11879.4	9381.1	7085.0	6057.6	5967.8
60°	1852.6	1897.6	2307.4	3492.0	5496.2	6562.8	5625.3	3767.0	2604.9	2088.4	2004.2
62.5°	578.2	600.7	656.8	976.8	1504.6	2150.2	1684.2	1010.5	752.3	690.5	701.8
65°	353.7	353.7	359.3	381.8	449.1	522.1	505.3	443.5	426.7	415.4	409.8
67.5°	230.2	224.6	235.8	252.6	263.9	269.5	286.3	303.2	297.5	286.3	286.3
70°	140.4	134.7	146.0	168.4	174.0	185.3	202.1	224.6	218.9	207.7	213.3
72.5°	78.6	78.6	84.2	101.1	117.9	129.1	146.0	162.8	168.4	162.8	162.8
75°	28.1	33.7	44.9	61.8	73.0	89.8	106.7	123.5	140.4	129.1	123.5
77.5°	11.2	11.2	22.5	39.3	56.1	73.0	101.1	117.9	129.1	117.9	106.7
80°	5.6	5.6	16.8	33.7	50.5	67.4	84.2	101.1	106.7	95.4	84.2
82.5°	5.6	5.6	16.8	33.7	50.5	61.8	89.8	101.1	112.3	101.1	84.2
85°	0.0	5.6	16.8	33.7	44.9	50.5	50.5	33.7	28.1	16.8	16.8
87.5°	0.0	0.0	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)