

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: P647479

Luminaire Tested: **GALN-SA6D-835-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647479
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6D-835-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18735.6 lumens
Efficiency: N/A
Efficacy: 50.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

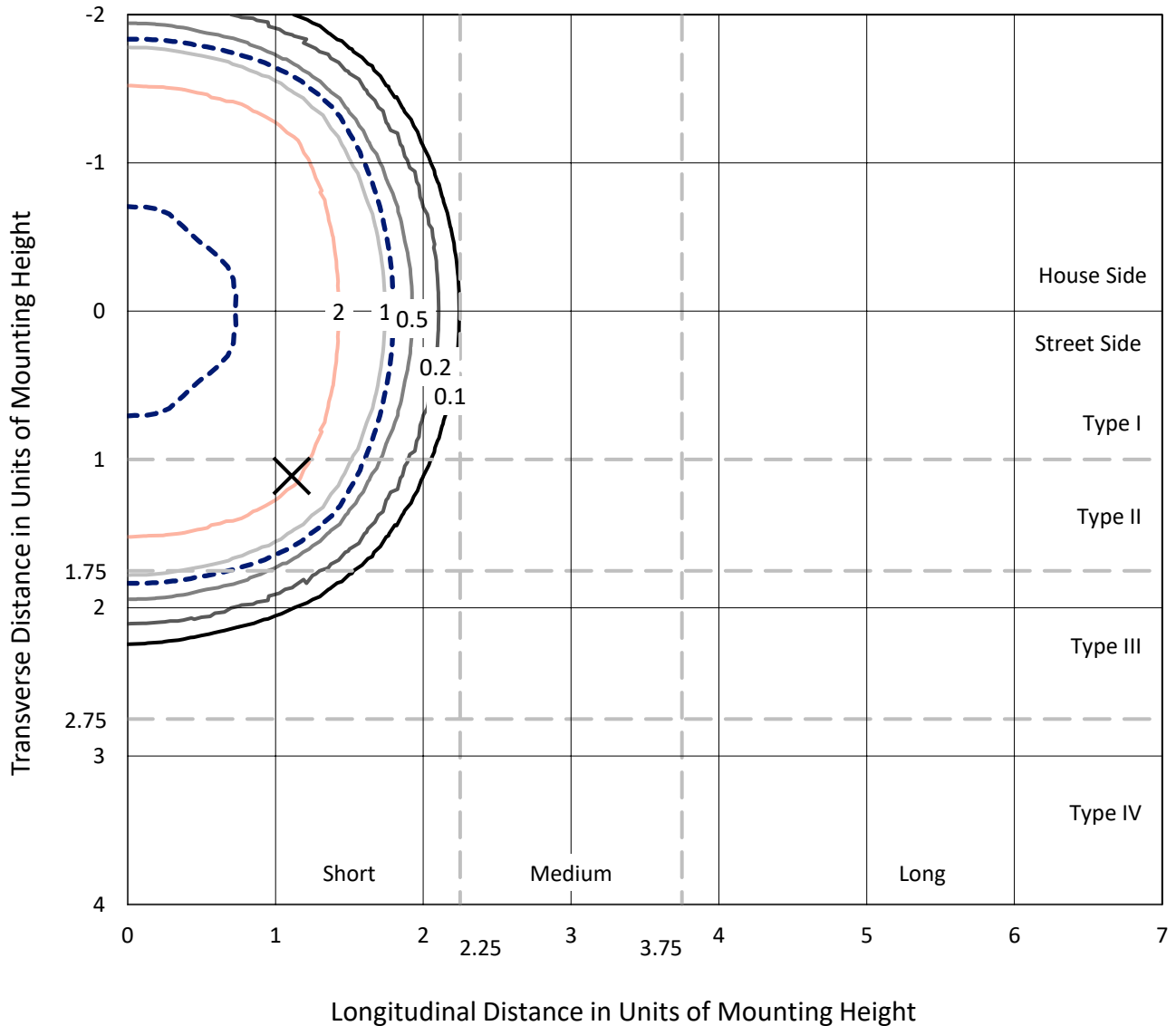
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

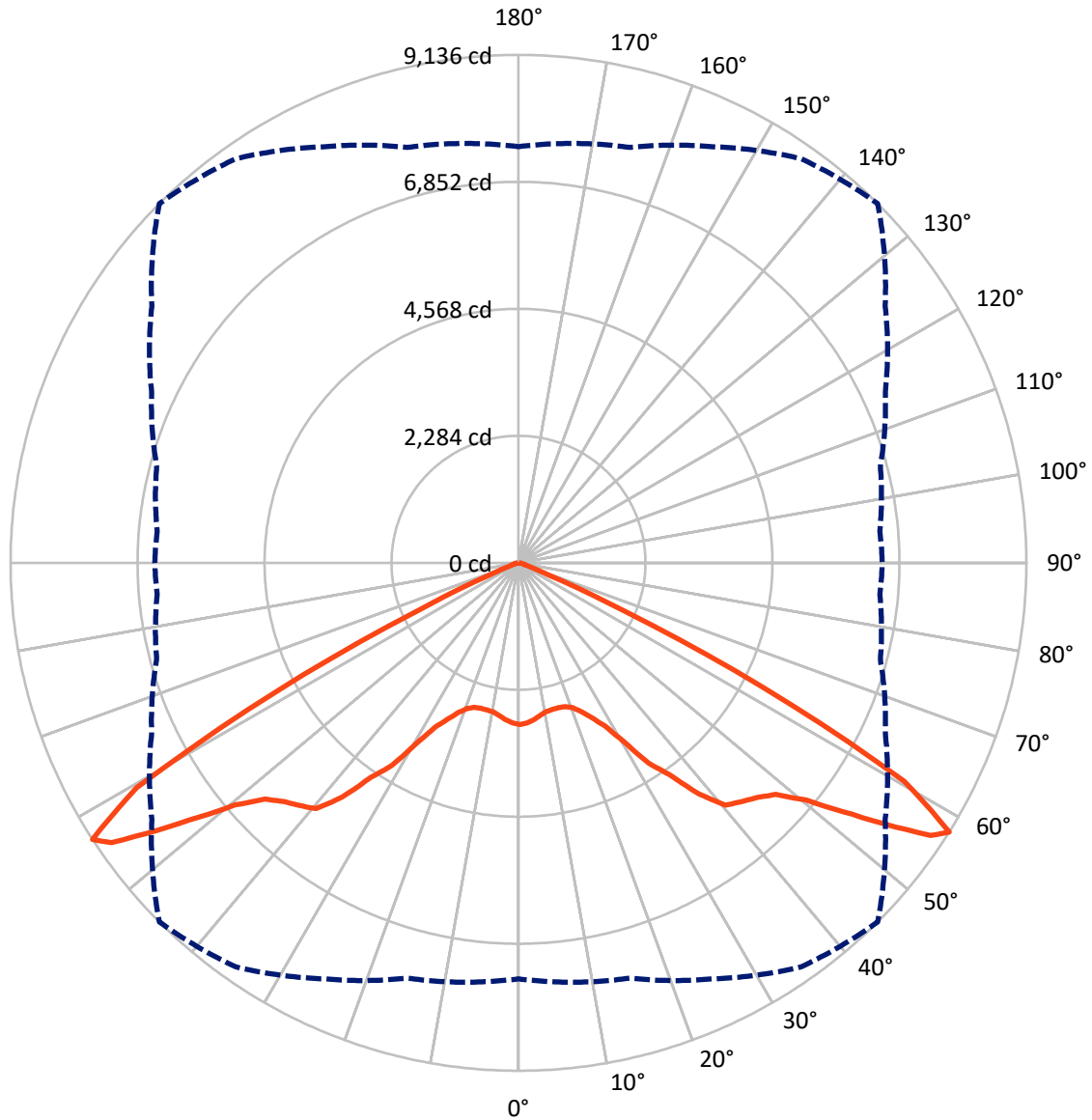
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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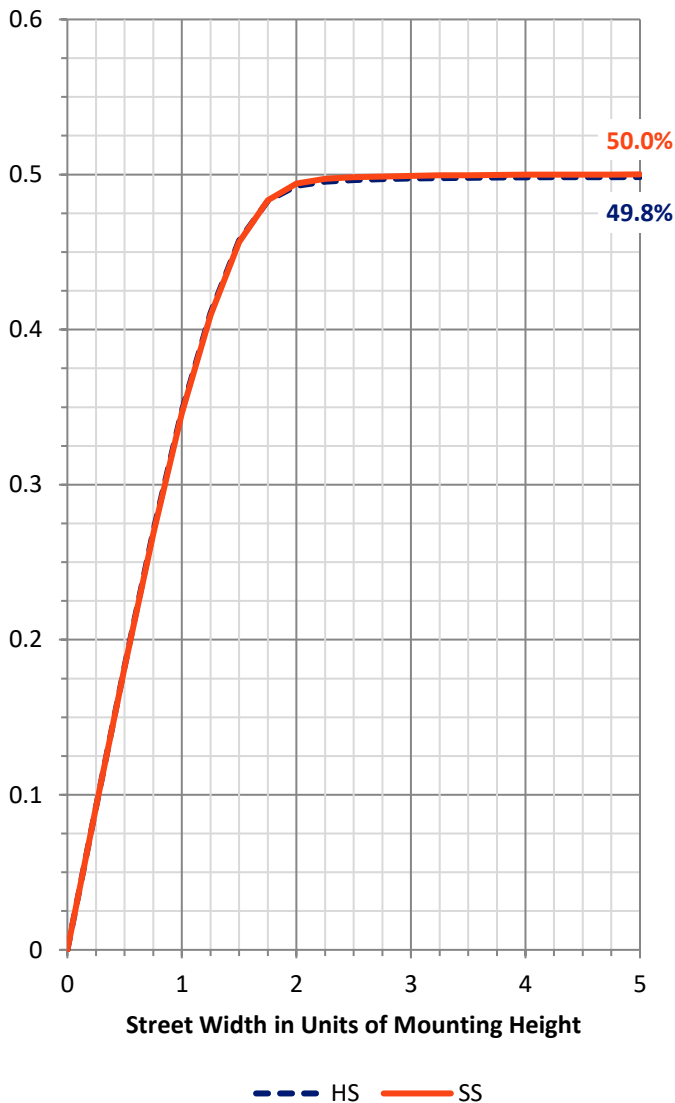
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9367.8	0.0	9367.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9367.8	0.0	9367.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	18735.6	0.0	18735.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.0	1.4
10°-20°	771.9	4.1
20°-30°	1424.8	7.6
30°-40°	2802.1	15.0
40°-50°	4563.9	24.4
50°-60°	6508.7	34.7
60°-70°	2253.5	12.0
70°-80°	120.9	0.6
80°-90°	22.7	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°	18735.6	100.0
0°-180°	18735.6	100.0

Coefficient of Utilization

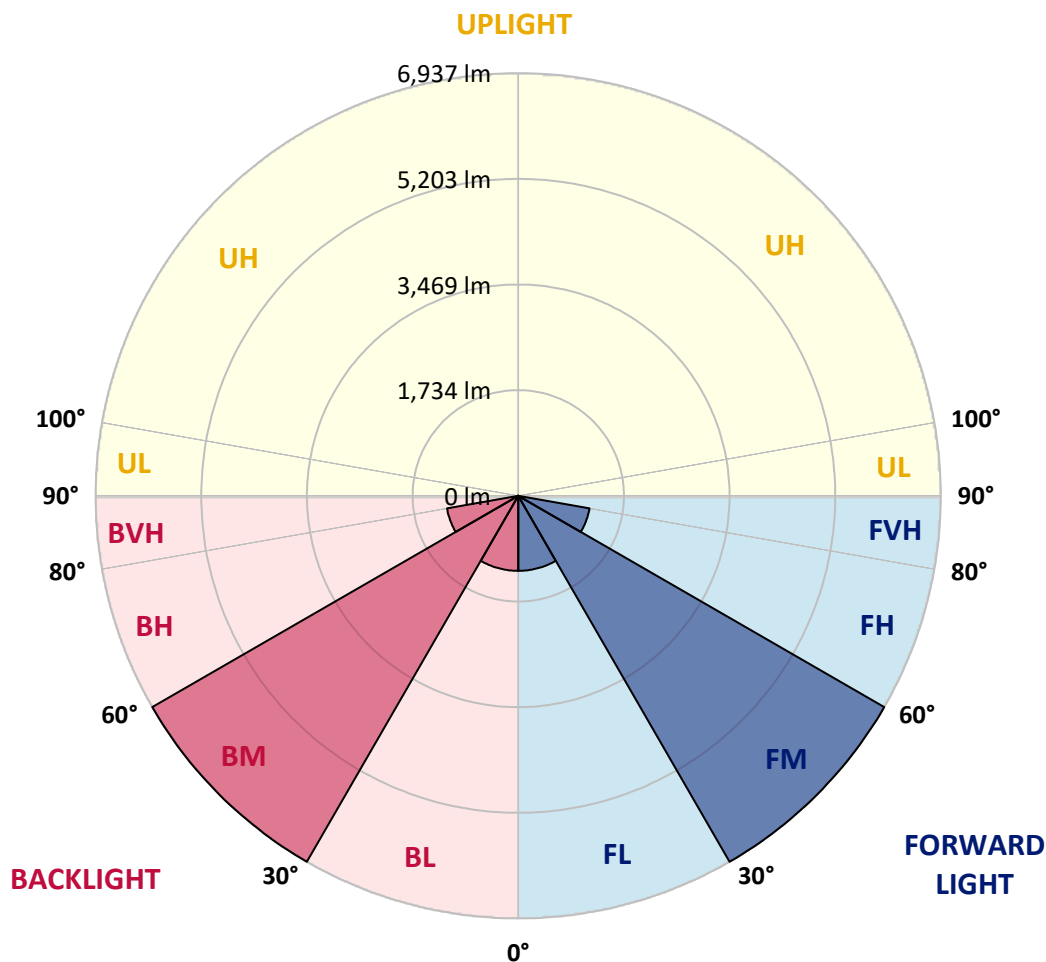


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1231.9	6.6			
FM (30°-60°)	6937.4	37.0			
FH (60°-80°)	1187.2	6.3			G1/1800
FVH (80°-90°)	11.4	0.1			G1/100
BL (0°-30°)	1231.9	6.6	B3/2500		
BM (30°-60°)	6937.4	37.0	B4/8500		
BH (60°-80°)	1187.2	6.3	B3/2500		G1/1800
BVH (80°-90°)	11.4	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2906.1	2906.1	2906.1	2906.1	2906.1	2906.1	2906.1	2906.1	2906.1	2906.1	2906.1
2.5°	2898.3	2913.9	2894.4	2886.5	2882.7	2882.7	2870.9	2870.9	2867.0	2870.9	2855.3
5°	2851.4	2867.0	2867.0	2863.1	2839.7	2835.8	2824.0	2816.2	2820.1	2804.5	2816.2
7.5°	2804.5	2816.2	2800.6	2796.7	2788.9	2773.3	2769.4	2734.2	2738.2	2738.2	2746.0
10°	2796.7	2792.8	2769.4	2749.8	2726.4	2722.5	2710.8	2703.0	2703.0	2699.1	2710.8
12.5°	2796.7	2777.2	2773.3	2730.3	2691.2	2706.9	2675.7	2656.1	2683.4	2691.2	2706.9
15°	2792.8	2812.4	2746.0	2726.4	2699.1	2703.0	2675.7	2656.1	2671.8	2679.5	2691.2
17.5°	2816.2	2804.5	2785.0	2746.0	2734.2	2718.6	2683.4	2667.8	2667.8	2687.3	2691.2
20°	2878.8	2847.5	2808.5	2788.9	2800.6	2781.1	2738.2	2679.5	2695.2	2710.8	2722.5
22.5°	2937.3	2913.9	2886.5	2874.9	2941.3	2910.0	2835.8	2769.4	2746.0	2773.3	2792.8
25°	3050.6	3050.6	2999.8	3015.5	3089.6	3093.6	3007.7	2890.4	2874.9	2886.5	2894.4
27.5°	3281.1	3292.8	3249.8	3265.4	3296.7	3324.1	3249.8	3152.2	3117.0	3113.1	3124.8
30°	3531.1	3554.5	3550.6	3617.0	3706.8	3722.5	3613.1	3453.0	3347.5	3327.9	3343.6
32.5°	3859.2	3870.9	3863.1	3941.2	4183.3	4296.6	4011.5	3784.9	3644.3	3679.5	3644.3
35°	4476.3	4464.6	4378.7	4394.3	4593.5	4675.5	4402.1	4257.6	4191.2	4261.5	4245.9
37.5°	5007.5	4964.6	4894.3	4995.9	5202.9	5277.0	4991.9	4738.0	4617.0	4734.1	4784.9
40°	5456.7	5347.3	5249.7	5351.3	5628.6	5730.2	5312.2	5105.2	5058.3	5144.2	5253.6
42.5°	5835.6	5765.3	5636.4	5644.3	5827.8	5874.7	5538.8	5417.7	5370.8	5507.5	5562.2
45°	6105.1	6038.7	5917.7	5909.8	6050.5	6019.2	5718.4	5636.4	5663.8	5753.6	5781.0
47.5°	6241.8	6277.0	6206.7	6226.3	6300.4	6226.3	5988.0	5988.0	5925.4	5980.2	5952.8
50°	6636.4	6527.0	6616.8	6616.8	6695.0	6702.8	6464.5	6378.6	6210.6	6116.9	6116.9
52.5°	7097.3	7105.1	7140.3	7269.1	7401.9	7515.2	7175.4	6808.2	6527.0	6405.9	6390.3
55°	7476.2	7554.3	7694.9	7937.0	8319.8	8476.1	7890.2	7234.0	6890.2	6702.8	6663.7
56°	7683.2	7609.0	7851.1	8183.1	8683.2	8886.3	8007.3	7319.9	6941.1	6730.1	6726.2
57.5°	7484.0	7566.0	7733.9	8257.4	8870.6	9136.2	8050.3	7280.9	6737.9	6523.1	6542.6
60°	5909.8	5988.0	6214.5	6800.4	7761.3	7968.3	6812.1	6003.6	5519.2	5210.6	5214.5
62.5°	3343.6	3402.1	3577.9	4120.9	4718.5	4917.7	4245.9	3706.8	3370.9	3199.0	3144.4
65°	1230.4	1207.0	1234.3	1511.7	1878.8	2046.8	1765.5	1492.1	1316.3	1253.8	1230.4
67.5°	460.9	425.8	398.4	425.8	535.1	566.3	519.5	433.5	406.2	418.0	425.8
70°	285.2	269.5	214.9	203.1	199.2	195.3	207.0	218.8	250.0	292.9	300.8
72.5°	199.2	187.5	152.4	144.5	136.7	132.8	152.4	168.0	195.3	226.5	230.4
75°	78.1	82.1	78.1	85.9	89.8	93.7	109.4	121.1	132.8	132.8	128.9
77.5°	15.7	15.7	23.4	31.2	39.1	50.8	74.2	85.9	89.8	85.9	74.2
80°	0.0	0.0	7.8	15.7	31.2	43.0	66.4	74.2	82.1	74.2	58.6
82.5°	0.0	0.0	7.8	19.5	31.2	39.1	62.5	78.1	89.8	82.1	62.5
85°	0.0	0.0	7.8	15.7	23.4	27.3	27.3	19.5	19.5	11.7	7.8
87.5°	0.0	0.0	0.0	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)