

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: P952793

Luminaire Tested: **GALN-SB6C-750-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952793
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6C-750-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49476 lumens
Efficiency: N/A
Efficacy: 164.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

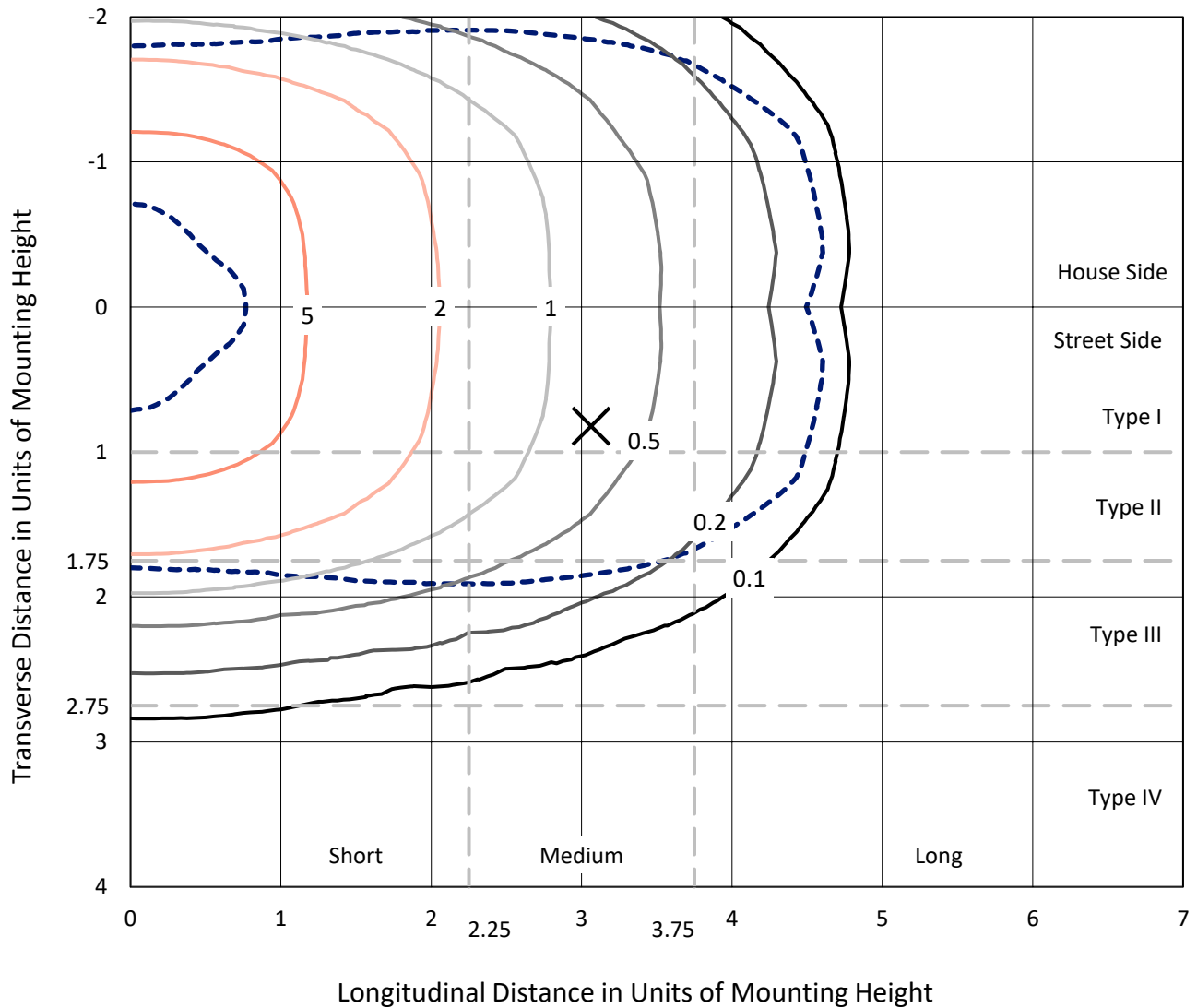
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

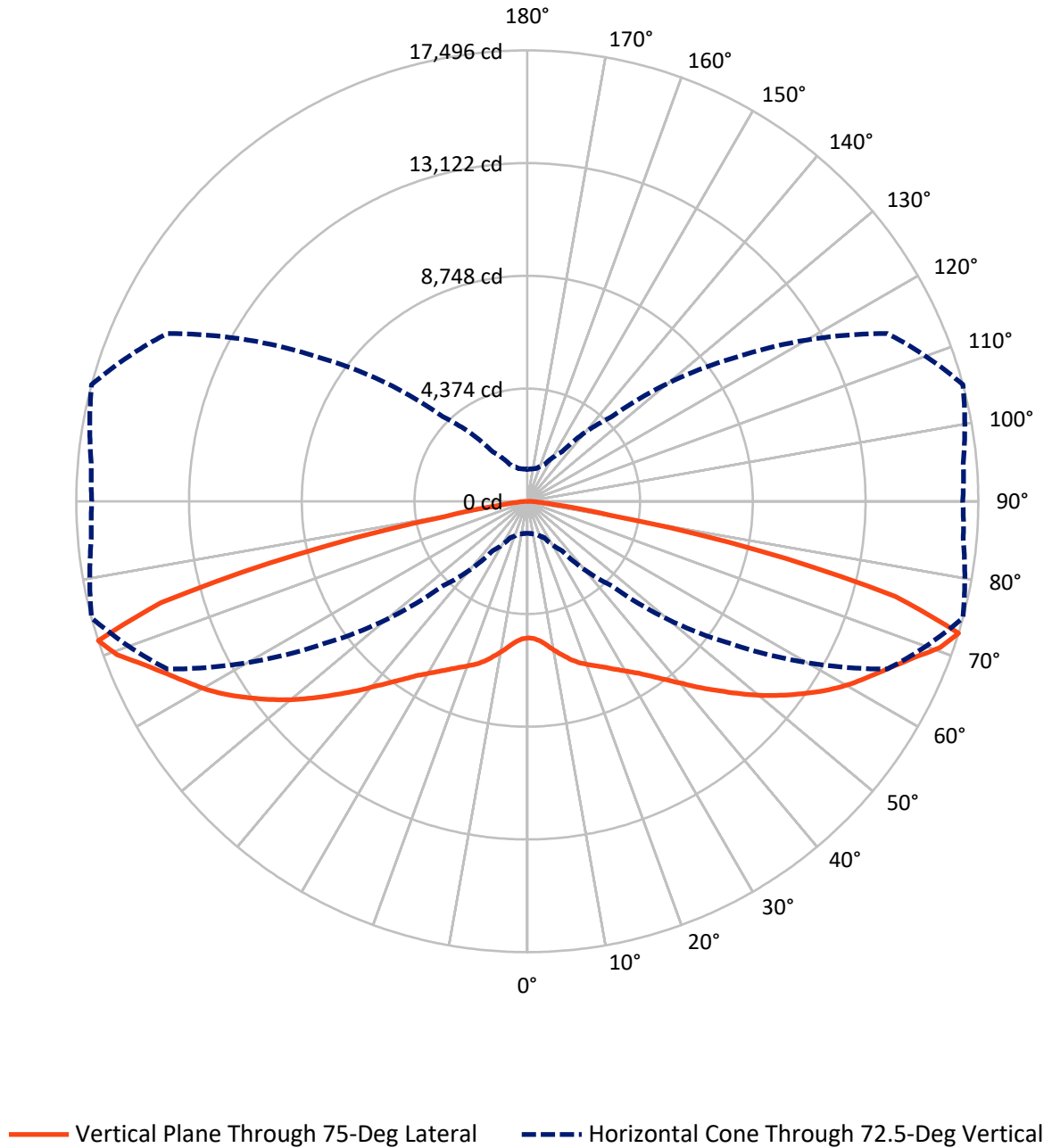
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24738.0	0.0	24738.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24738.0	0.0	24738.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	49476.0	0.0	49476.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	519.2	1.0
10°-20°	1712.3	3.5
20°-30°	3308.6	6.7
30°-40°	5586.8	11.3
40°-50°	8860.1	17.9
50°-60°	11862.6	24.0
60°-70°	11289.4	22.8
70°-80°	5891.0	11.9
80°-90°	445.9	0.9
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°	49476.0	100.0
0°-180°	49476.0	100.0

Coefficient of Utilization



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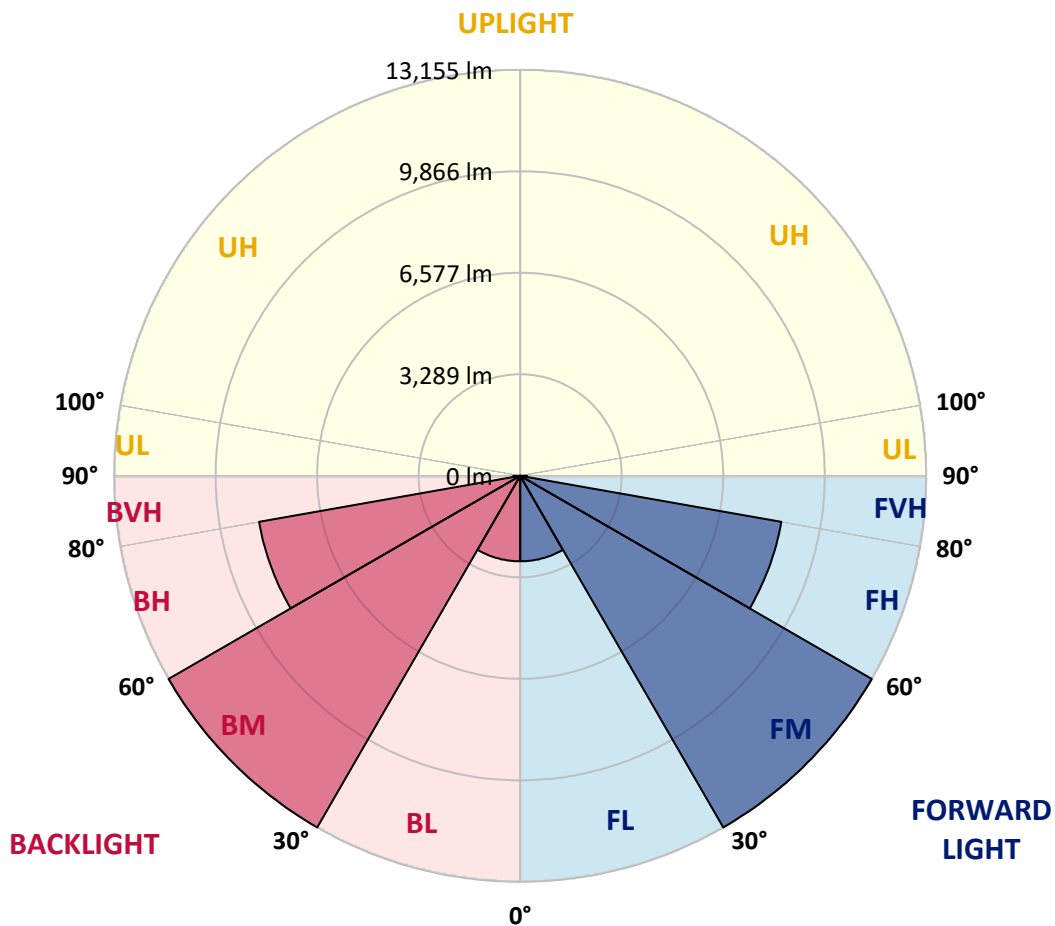
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2770.0	5.6			
FM (30°-60°)	13154.8	26.6			
FH (60°-80°)	8590.2	17.4			G4/12000
FVH (80°-90°)	223.0	0.5			G2/225
BL (0°-30°)	2770.0	5.6	B4/5000		
BM (30°-60°)	13154.8	26.6	B5		
BH (60°-80°)	8590.2	17.4	B5		G5
BVH (80°-90°)	223.0	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5299.8	5299.8	5299.8	5299.8	5299.8	5299.8	5299.8	5299.8	5299.8	5299.8
2.5°	5299.8	5294.7	5299.8	5304.8	5302.3	5302.3	5314.9	5322.5	5337.7	5335.1
5°	5264.4	5261.9	5282.1	5304.8	5322.5	5352.8	5390.7	5418.5	5453.9	5461.4
7.5°	5246.7	5239.1	5274.5	5314.9	5370.5	5446.3	5519.5	5595.3	5655.9	5676.2
10°	5259.3	5261.9	5309.9	5385.7	5474.1	5580.2	5683.7	5812.6	5898.5	5918.7
12.5°	5317.4	5312.4	5393.2	5514.5	5635.7	5769.6	5890.9	6032.3	6125.8	6173.8
15°	5423.5	5413.4	5527.1	5706.5	5883.3	6039.9	6138.4	6272.3	6380.9	6441.6
17.5°	5549.8	5554.9	5703.9	5936.3	6168.7	6345.6	6439.0	6507.2	6590.6	6643.7
20°	5772.1	5782.3	5949.0	6224.3	6489.6	6691.6	6767.4	6742.2	6764.9	6805.3
22.5°	6070.2	6075.3	6262.2	6560.3	6838.2	7060.5	7111.0	7007.4	6944.3	6972.0
25°	6416.3	6449.1	6636.1	6941.7	7227.2	7439.4	7462.1	7305.5	7148.9	7156.5
27.5°	6838.2	6868.5	7057.9	7361.1	7651.6	7836.0	7833.4	7623.8	7393.9	7335.8
30°	7295.4	7328.2	7522.7	7836.0	8106.3	8267.9	8232.6	7982.5	7654.1	7545.5
32.5°	7838.5	7858.7	8055.7	8369.0	8619.1	8747.9	8674.6	8366.5	7957.2	7833.4
35°	8495.3	8525.6	8672.1	8967.7	9187.4	9293.5	9169.8	8806.0	8346.2	8207.3
37.5°	9245.5	9225.3	9392.1	9654.8	9836.6	9902.3	9733.1	9301.1	8790.8	8626.6
40°	10028.6	10018.5	10200.4	10453.0	10551.5	10592.0	10341.9	9869.5	9303.6	9126.8
42.5°	10738.5	10730.9	10975.9	11256.3	11375.0	11329.6	11013.8	10473.2	9897.3	9695.2
45°	11306.8	11296.7	11597.3	11991.4	12223.8	12148.0	11723.6	11140.1	10498.5	10288.8
47.5°	11743.9	11748.9	12072.2	12559.8	12966.5	12994.3	12448.6	11819.6	11160.3	10922.9
50°	12059.6	12074.8	12420.9	12961.4	13517.2	13762.2	13188.8	12516.8	11844.9	11577.1
52.5°	12137.9	12165.7	12582.5	13216.6	13870.8	14338.2	13941.6	13186.3	12494.1	12239.0
55°	11721.1	11776.7	12304.7	13196.4	14088.1	14717.1	14603.4	13865.8	13148.4	12885.7
57.5°	10763.7	10842.0	11458.4	12622.9	14040.1	14977.3	15116.2	14517.5	13802.6	13550.0
60°	9422.4	9515.8	10106.9	11377.6	13363.1	15073.3	15477.4	15151.6	14403.8	14158.8
62.5°	7399.0	7520.2	8227.5	9717.9	11933.3	14626.1	15785.6	15725.0	14944.4	14638.8
65°	4746.5	4875.4	5620.6	7381.3	10026.1	13257.0	15881.6	16283.3	15515.3	15088.4
67.5°	2862.1	2920.2	3289.0	4473.7	7328.2	11193.2	15068.2	16902.2	16182.2	15651.7
70°	1831.4	1864.3	2084.0	2627.1	4142.8	8166.9	13052.4	17018.4	16990.6	16230.2
72.5°	1242.8	1252.9	1311.0	1556.1	2344.2	4640.5	9627.0	15406.7	17495.8	16975.4
75°	909.4	965.0	1058.4	1101.4	1331.3	2319.0	5517.0	10824.4	14744.9	14972.2
77.5°	677.0	679.5	808.4	858.9	949.8	1235.3	2334.1	6042.4	9154.6	9611.8
80°	573.4	543.1	540.6	692.2	714.9	770.5	1043.3	2086.6	3278.9	1988.0
82.5°	477.4	444.6	401.7	540.6	487.5	472.4	452.2	848.8	1043.3	512.8
85°	333.4	318.3	303.1	353.7	277.9	237.5	217.2	396.6	439.5	217.2
87.5°	144.0	149.0	151.6	156.6	116.2	83.4	83.4	111.1	111.1	85.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5299.8
5332.6
5461.4
5681.2
5938.9
6194.0
6464.3
6668.9
6835.6
6992.3
7169.1
7353.5
7558.1
7863.8
8227.5
8657.0
9184.9
9745.7
10336.8
10993.6
11658.0
12304.7
12958.9
13608.1
14211.9
14674.1
15141.5
15692.2
16225.2
16894.6
14421.5
8573.6
1503.0
437.0
192.0
63.2
0.0

OF REPORT)