

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: P942713

Luminaire Tested: **GALN-SB6D-835-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942713
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6D-835-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 56622 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

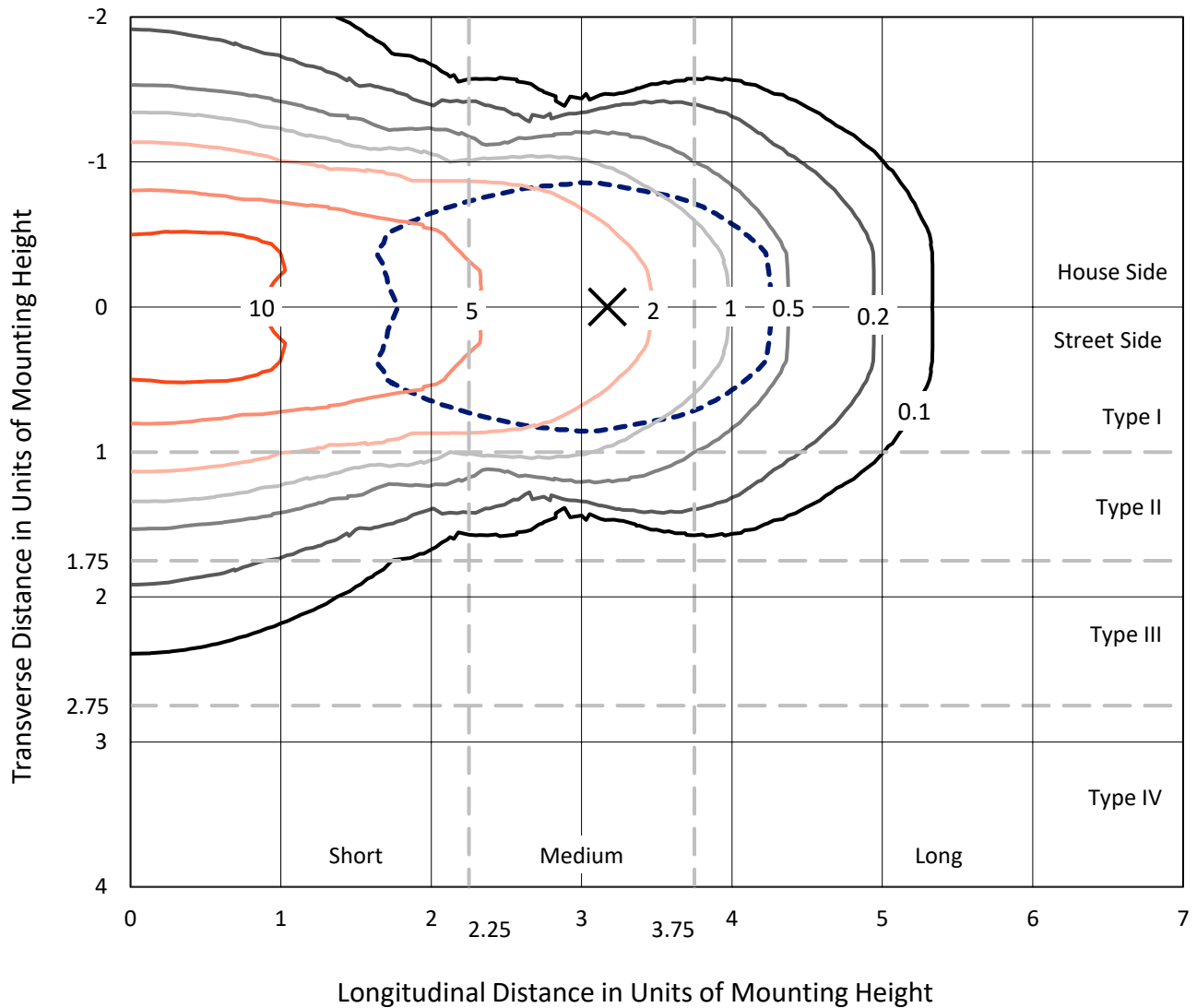
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

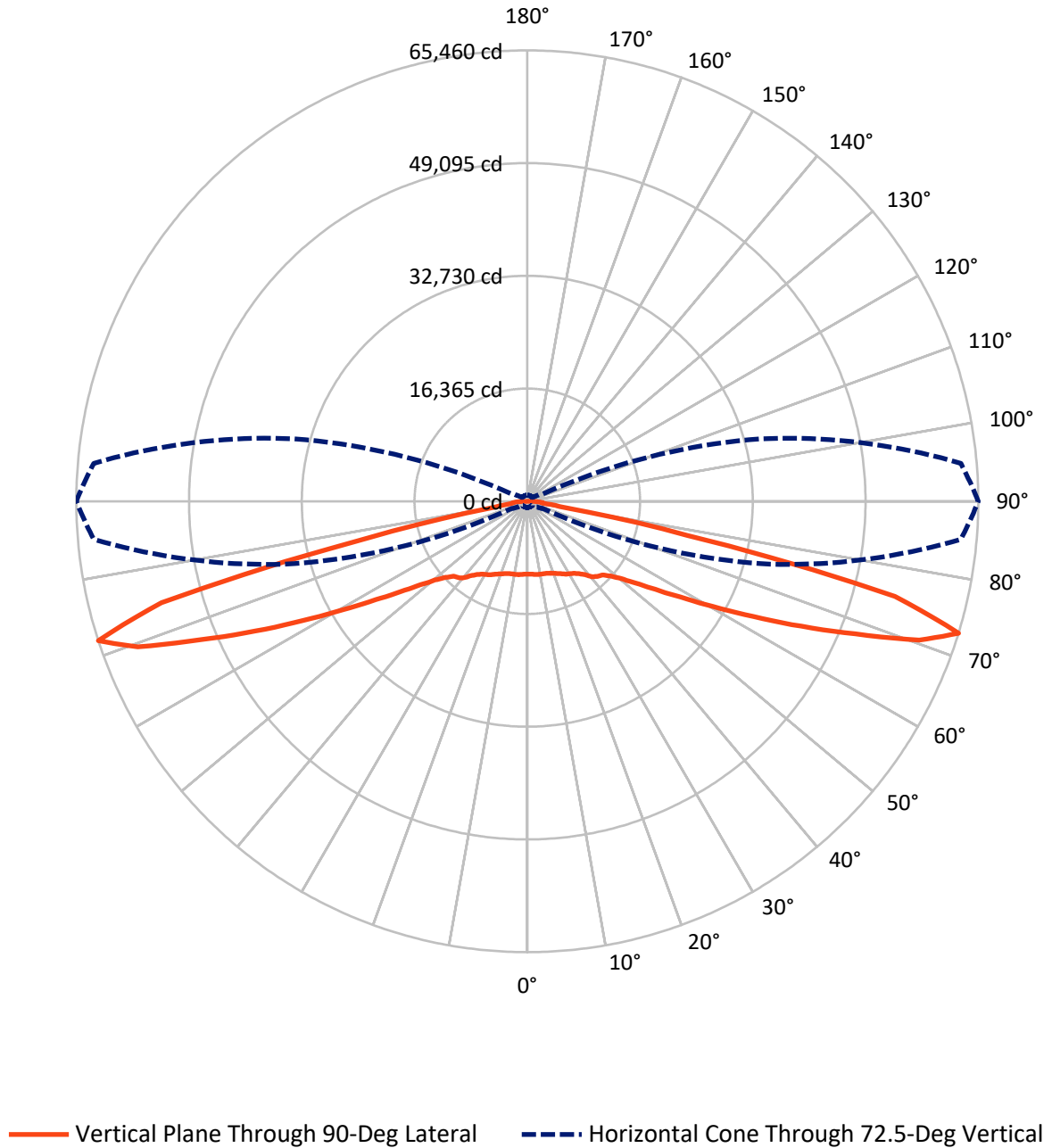
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.9 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	28311.0	0.0	28311.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	28311.0	0.0	28311.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	56622.0	0.0	56622.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1025.9	1.8
10°-20°	3136.8	5.5
20°-30°	5230.3	9.2
30°-40°	7193.3	12.7
40°-50°	8785.0	15.5
50°-60°	10160.8	17.9
60°-70°	12115.1	21.4
70°-80°	8455.5	14.9
80°-90°	519.3	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°	56622.0	100.0
0°-180°	56622.0	100.0

Coefficient of Utilization



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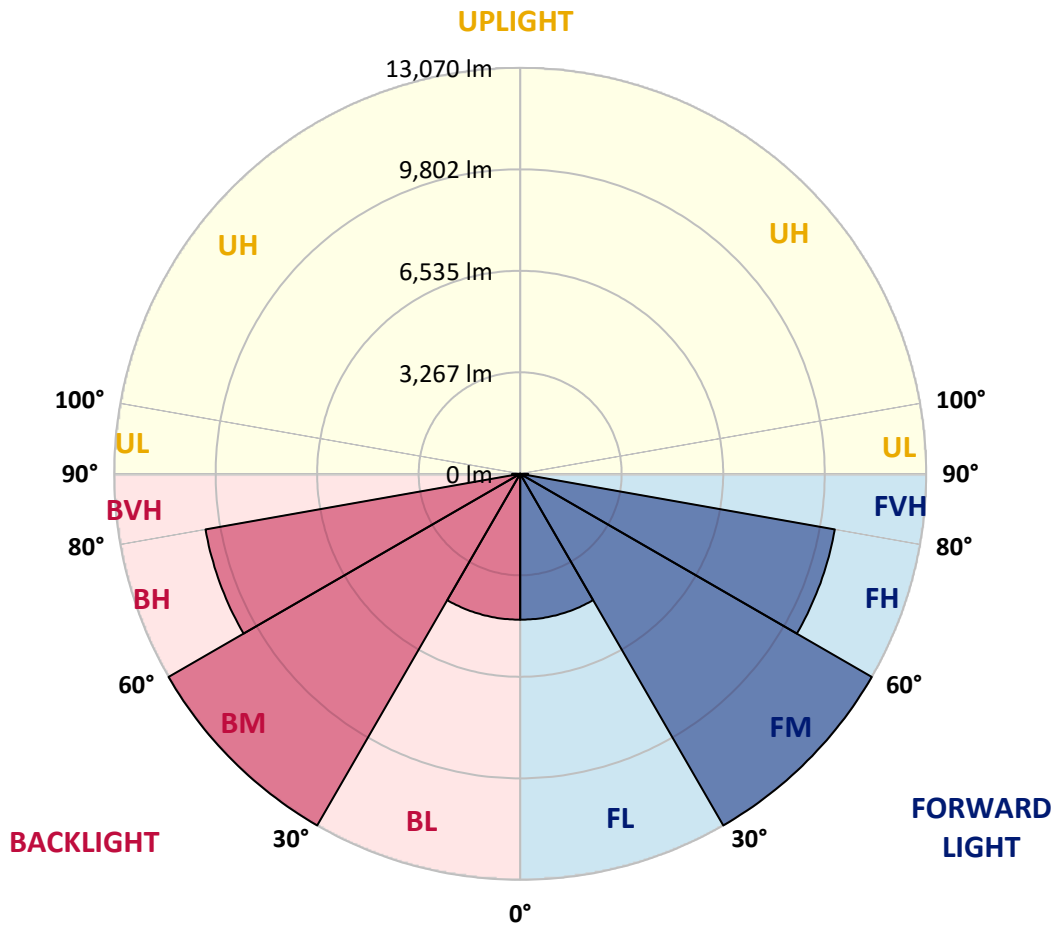
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4696.5	8.3			
FM (30°-60°)	13069.5	23.1			
FH (60°-80°)	10285.3	18.2			G4/12000
FVH (80°-90°)	259.7	0.5			G3/500
BL (0°-30°)	4696.5	8.3	B4/5000		
BM (30°-60°)	13069.5	23.1	B5		
BH (60°-80°)	10285.3	18.2	B5		G5
BVH (80°-90°)	259.7	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10580.4	10580.4	10580.4	10580.4	10580.4	10580.4	10580.4	10580.4	10580.4	10580.4
2.5°	10589.4	10601.5	10601.5	10592.5	10613.5	10595.5	10595.5	10586.4	10595.5	10586.4
5°	10643.6	10658.7	10664.7	10661.7	10688.8	10673.7	10673.7	10661.7	10664.7	10655.6
7.5°	10745.9	10767.0	10779.0	10794.1	10833.2	10815.1	10803.1	10767.0	10751.9	10727.9
10°	10779.0	10803.1	10842.2	10920.5	11010.7	11013.7	10977.6	10887.4	10818.1	10764.0
12.5°	10676.7	10709.8	10791.1	10950.6	11152.2	11233.4	11176.2	11025.8	10890.4	10794.1
15°	10547.3	10583.4	10706.8	10947.5	11245.5	11435.0	11429.0	11230.4	11013.7	10863.3
17.5°	10345.7	10381.8	10559.4	10896.4	11317.7	11630.6	11714.9	11510.3	11206.3	11004.7
20°	9981.6	10014.7	10261.4	10733.9	11341.8	11838.3	12057.9	11877.4	11498.2	11224.4
22.5°	9509.1	9560.3	9849.2	10454.0	11284.6	12054.9	12449.1	12325.8	11838.3	11459.1
25°	9003.6	9057.8	9394.8	10111.0	11137.1	12211.4	12912.6	12834.3	12223.5	11751.0
27.5°	8567.3	8624.4	8991.6	9770.9	10908.4	12271.6	13370.0	13409.1	12689.9	12073.0
30°	8224.2	8278.4	8669.6	9497.1	10613.5	12211.4	13770.2	14041.0	13165.3	12352.8
32.5°	7848.0	7917.3	8329.5	9163.1	10264.5	12067.0	14119.3	14724.1	13716.0	12653.8
35°	7372.6	7435.8	7869.1	8705.7	9807.0	11835.3	14411.2	15482.4	14504.4	13111.2
37.5°	6794.8	6855.0	7285.3	8133.9	9352.7	11510.3	14633.8	16337.1	15443.3	13770.2
40°	6214.0	6271.2	6674.5	7496.0	8808.0	11095.0	14712.1	17173.6	16520.6	14676.0
42.5°	5681.4	5732.6	6102.7	6867.0	8197.1	10565.4	14609.8	17901.9	17486.6	15307.9
45°	5190.9	5236.0	5564.0	6277.2	7562.2	9921.4	14302.8	18684.2	18636.1	15759.3
47.5°	4631.2	4676.3	5016.4	5705.5	6927.2	9166.1	13782.2	19454.6	20234.0	16782.4
50°	3948.1	3987.2	4336.3	5046.5	6268.2	8362.6	13060.0	20059.5	22250.2	18332.2
52.5°	3138.6	3180.7	3520.8	4231.0	5485.8	7499.0	12109.1	20453.7	24579.3	20595.1
55°	2335.2	2365.2	2660.2	3298.1	4516.8	6515.0	10917.5	20565.0	27221.4	23688.6
57.5°	1694.2	1712.2	1901.8	2377.3	3424.5	5284.2	9470.0	20276.1	30366.0	27654.7
60°	1372.2	1378.2	1435.4	1646.0	2380.3	3893.9	7721.7	19283.1	33778.5	32767.4
62.5°	1245.8	1245.8	1260.9	1318.0	1609.9	2569.9	5606.2	17224.8	37437.7	39228.2
65°	1158.5	1158.5	1164.6	1191.7	1269.9	1637.0	3538.8	13872.5	40522.2	46796.4
67.5°	1080.3	1083.3	1080.3	1089.3	1134.5	1209.7	2052.3	9581.4	42183.2	54638.4
70°	999.1	1005.1	990.0	990.0	1026.1	1029.2	1284.9	5254.1	40805.0	61210.5
72.5°	902.8	911.8	887.7	881.7	908.8	896.7	966.0	2521.7	35033.3	63172.6
75°	818.5	830.5	776.4	761.3	761.3	752.3	785.4	1294.0	22737.7	51532.9
77.5°	743.3	767.4	680.1	631.9	619.9	592.8	641.0	791.4	9945.5	24194.1
80°	613.9	647.0	559.7	502.5	481.5	451.4	505.5	553.7	2958.1	5618.2
82.5°	457.4	472.4	397.2	358.1	340.0	319.0	379.2	385.2	963.0	1989.1
85°	291.9	297.9	243.7	210.6	201.6	192.6	240.7	210.6	367.1	1462.5
87.5°	102.3	117.4	93.3	84.3	90.3	75.2	111.3	63.2	102.3	1032.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

10580.4
10586.4
10655.6
10727.9
10755.0
10779.0
10839.2
10971.6
11173.2
11389.9
11654.7
11970.7
12205.4
12467.2
12903.5
13493.3
14381.1
14928.7
15247.7
16192.6
17591.9
19683.3
22548.1
26219.3
30958.9
36805.8
43733.0
51331.3
60340.9
65459.6
55119.9
23691.6
5380.5
2247.9
2124.5
1278.9
0.0

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