

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: P942733

Luminaire Tested: **GALN-SB6D-850-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942733
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-850-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 58392 lumens
Efficiency: N/A
Efficacy: 132.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

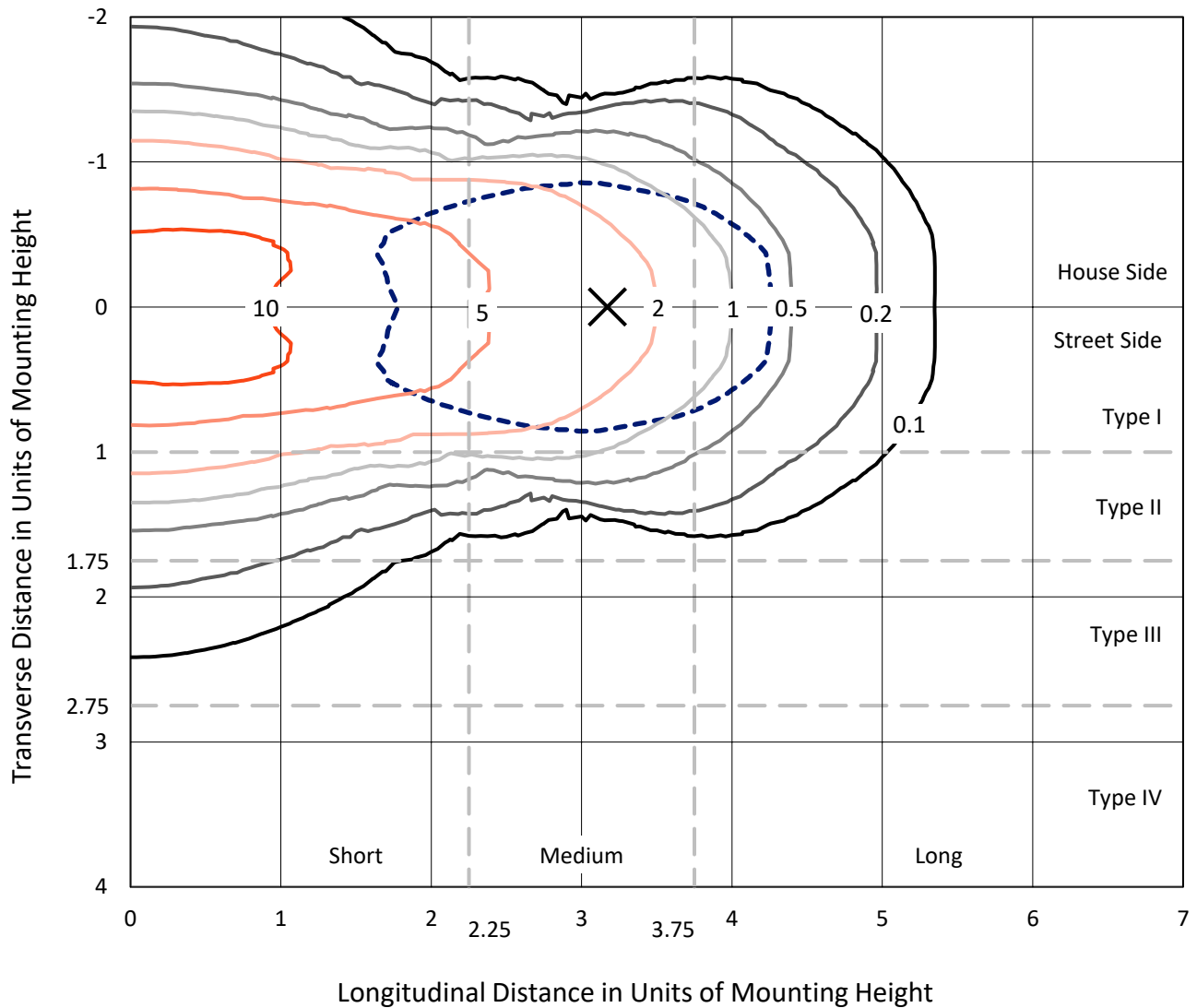
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

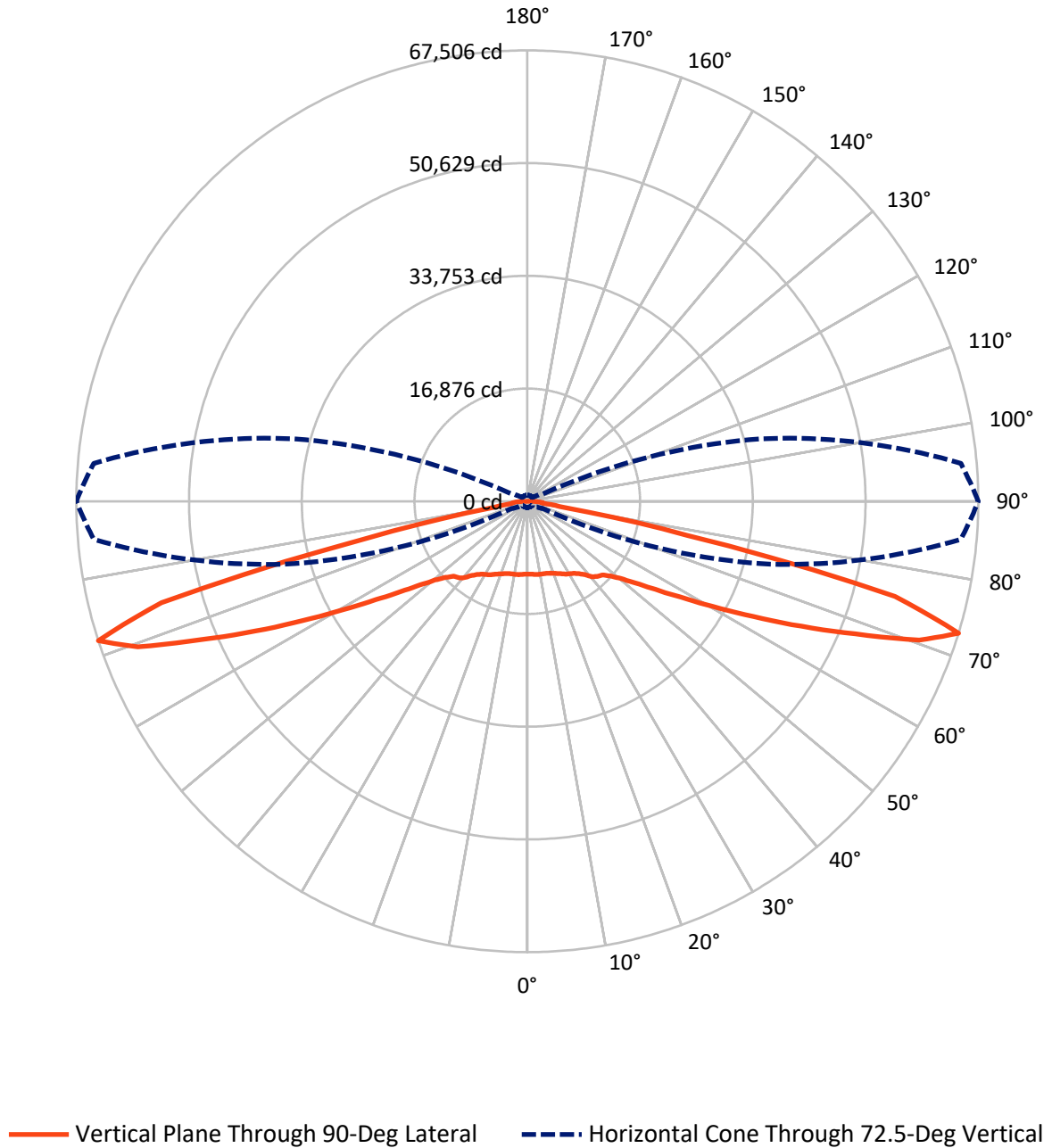
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.5 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	29196.0	0.0	29196.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29196.0	0.0	29196.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	58392.0	0.0	58392.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1058.0	1.8
10°-20°	3234.8	5.5
20°-30°	5393.8	9.2
30°-40°	7418.2	12.7
40°-50°	9059.6	15.5
50°-60°	10478.4	17.9
60°-70°	12493.8	21.4
70°-80°	8719.8	14.9
80°-90°	535.6	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°	58392.0	100.0
0°-180°	58392.0	100.0

Coefficient of Utilization



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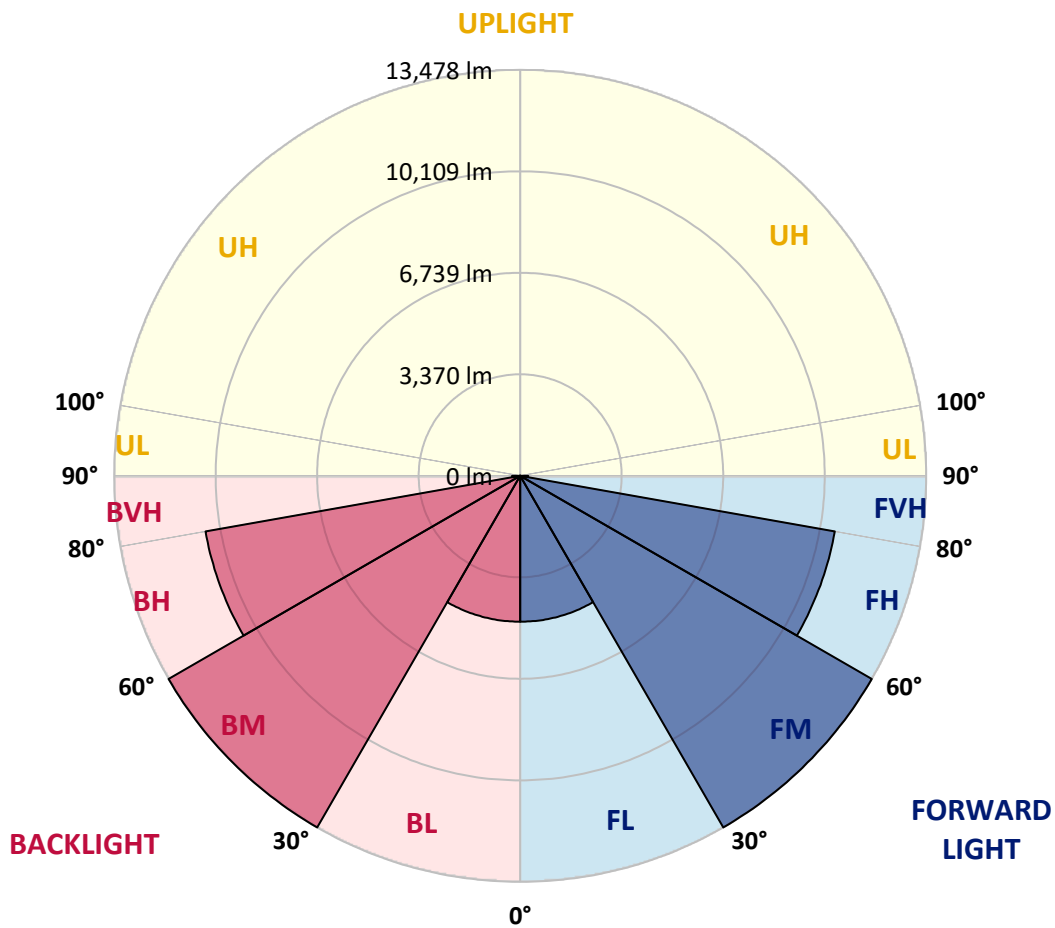
CATALOG NUMBER: GALN-SB6D-850-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4843.3	8.3			
FM (30°-60°)	13478.1	23.1			
FH (60°-80°)	10606.8	18.2			G4/12000
FVH (80°-90°)	267.8	0.5			G3/500
BL (0°-30°)	4843.3	8.3	B4/5000		
BM (30°-60°)	13478.1	23.1	B5		
BH (60°-80°)	10606.8	18.2	B5		G5
BVH (80°-90°)	267.8	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°	10911.2	10911.2	10911.2	10911.2	10911.2	10911.2	10911.2	10911.2	10911.2	10911.2
2.5°	10920.5	10932.9	10932.9	10923.6	10945.3	10926.7	10926.7	10917.4	10926.7	10917.4
5°	10976.3	10991.8	10998.1	10995.0	11022.9	11007.4	11007.4	10995.0	10998.1	10988.7
7.5°	11081.8	11103.6	11116.0	11131.5	11171.8	11153.2	11140.8	11103.6	11088.0	11063.2
10°	11116.0	11140.8	11181.1	11261.8	11354.9	11358.0	11320.8	11227.7	11156.3	11100.5
12.5°	11010.5	11044.6	11128.4	11292.9	11500.8	11584.6	11525.6	11370.4	11230.8	11131.5
15°	10877.0	10914.3	11041.5	11289.8	11597.0	11792.5	11786.3	11581.5	11358.0	11202.9
17.5°	10669.1	10706.3	10889.4	11237.0	11671.5	11994.2	12081.1	11870.1	11556.6	11348.7
20°	10293.6	10327.7	10582.2	11069.4	11696.3	12208.3	12434.9	12248.7	11857.7	11575.3
22.5°	9806.4	9859.1	10157.1	10780.8	11637.3	12431.8	12838.3	12711.1	12208.3	11817.3
25°	9285.0	9340.9	9688.5	10427.0	11485.3	12593.1	13316.2	13235.5	12605.6	12118.3
27.5°	8835.1	8894.0	9272.6	10076.4	11249.4	12655.2	13787.9	13828.3	13086.6	12450.4
30°	8481.3	8537.1	8940.6	9794.0	10945.3	12593.1	14200.6	14479.9	13576.9	12739.0
32.5°	8093.4	8164.8	8589.9	9449.5	10585.3	12444.2	14560.6	15184.4	14144.8	13049.3
35°	7603.1	7668.2	8115.1	8977.8	10113.6	12205.2	14861.6	15966.4	14957.8	13521.0
37.5°	7007.2	7069.3	7513.1	8388.2	9645.0	11870.1	15091.3	16847.8	15926.1	14200.6
40°	6408.3	6467.3	6883.1	7730.3	9083.3	11441.8	15172.0	17710.5	17037.1	15134.7
42.5°	5859.0	5911.8	6293.5	7081.7	8453.4	10895.6	15066.5	18461.5	18033.2	15786.4
45°	5353.2	5399.7	5738.0	6473.5	7798.6	10231.5	14749.9	19268.3	19218.7	16251.9
47.5°	4776.0	4822.5	5173.2	5883.8	7143.8	9452.6	14213.1	20062.8	20866.5	17307.0
50°	4071.5	4111.9	4471.8	5204.2	6464.1	8624.0	13468.3	20686.5	22945.7	18905.2
52.5°	3236.7	3280.2	3630.8	4363.2	5657.3	7733.4	12487.6	21093.1	25347.7	21238.9
55°	2408.2	2439.2	2743.3	3401.2	4658.0	6718.6	11258.7	21207.9	28072.3	24429.1
57.5°	1747.2	1765.8	1961.3	2451.6	3531.5	5449.4	9766.0	20910.0	31315.3	28519.2
60°	1415.1	1421.3	1480.3	1697.5	2454.7	4015.7	7963.0	19885.9	34834.4	33791.7
62.5°	1284.8	1284.8	1300.3	1359.2	1660.3	2650.2	5781.4	17763.2	38608.0	40454.5
65°	1194.8	1194.8	1201.0	1228.9	1309.6	1688.2	3649.5	14306.2	41788.9	48259.2
67.5°	1114.1	1117.2	1114.1	1123.4	1169.9	1247.5	2116.4	9880.9	43501.9	56346.4
70°	1030.3	1036.5	1021.0	1021.0	1058.2	1061.3	1325.1	5418.3	42080.6	63124.0
72.5°	931.0	940.3	915.5	909.3	937.2	924.8	996.2	2600.6	36128.5	65147.3
75°	844.1	856.5	800.6	785.1	785.1	775.8	810.0	1334.4	23448.4	53143.8
77.5°	766.5	791.3	701.3	651.7	639.3	611.3	661.0	816.2	10256.4	24950.4
80°	633.1	667.2	577.2	518.2	496.5	465.5	521.4	571.0	3050.5	5793.8
82.5°	471.7	487.2	409.6	369.3	350.7	328.9	391.0	397.2	993.1	2051.3
85°	301.0	307.2	251.4	217.2	207.9	198.6	248.3	217.2	378.6	1508.2
87.5°	105.5	121.0	96.2	86.9	93.1	77.6	114.8	65.2	105.5	1064.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

10911.2
10917.4
10988.7
11063.2
11091.2
11116.0
11178.0
11314.6
11522.5
11745.9
12019.0
12344.9
12586.9
12856.9
13306.9
13915.1
14830.6
15395.4
15724.4
16698.8
18141.8
20298.6
23252.9
27039.0
31926.6
37956.3
45100.1
52935.9
62227.1
67505.8
56842.9
24432.2
5548.7
2318.2
2190.9
1318.9
0.0

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