

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: P942563

Luminaire Tested: **GALN-SB6C-850-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942563  
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-SB6C-850-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 42974 lumens  
Efficiency: N/A  
Efficacy: 142.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

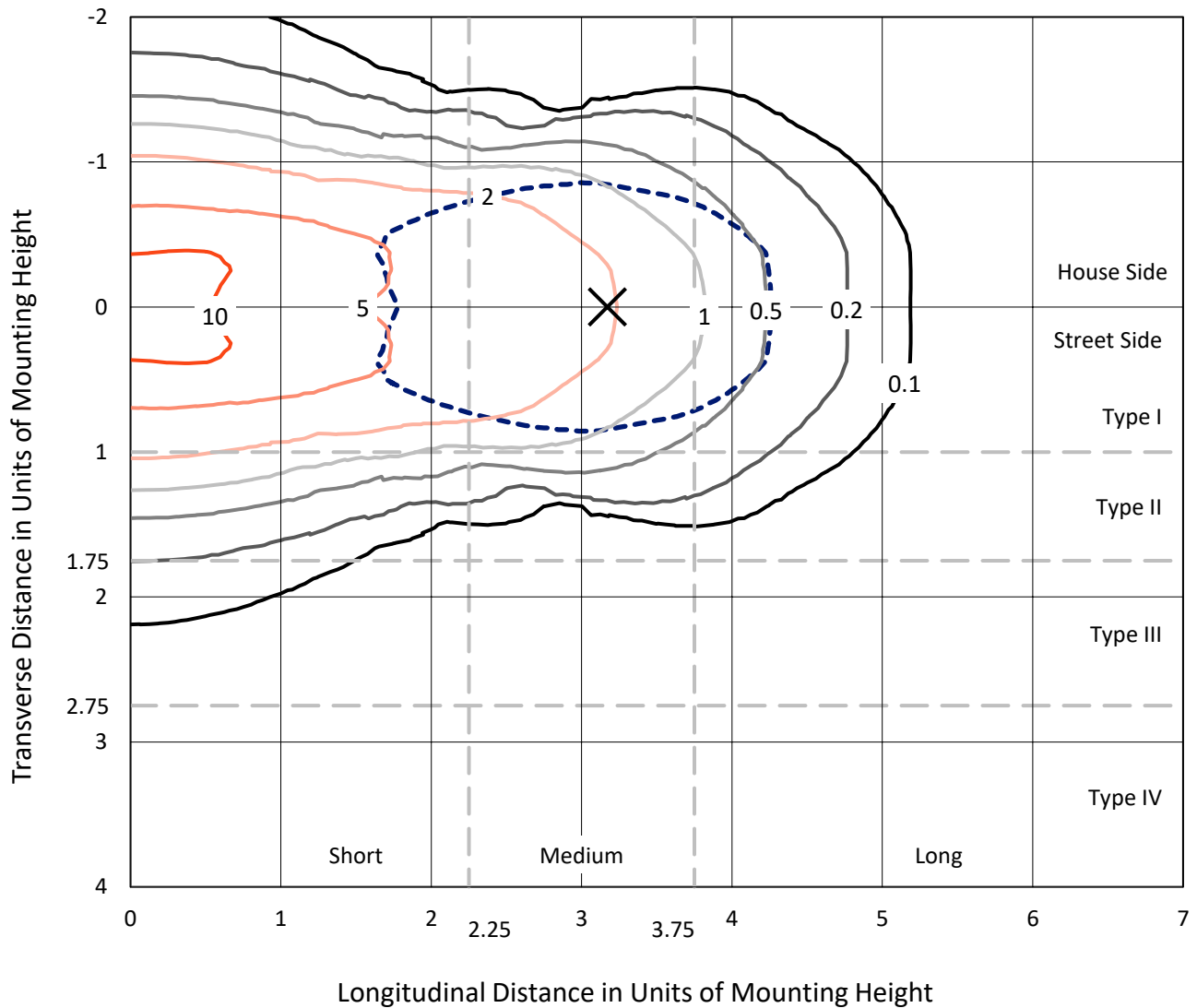
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

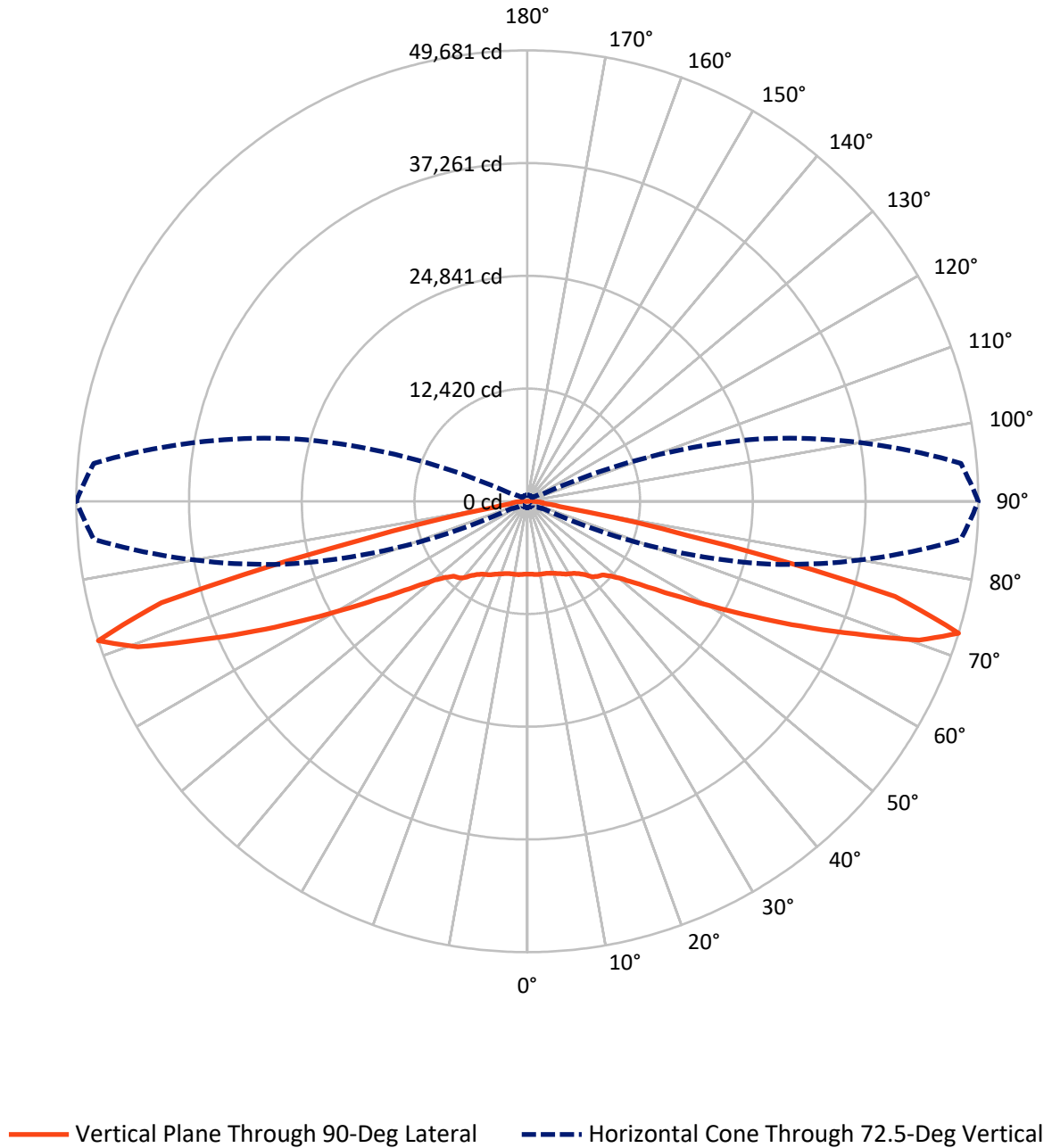
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.8 fc  
 Type I - 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	21487.0	0.0	21487.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	21487.0	0.0	21487.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	42974.0	0.0	42974.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	778.6	1.8
10°-20°	2380.7	5.5
20°-30°	3969.6	9.2
30°-40°	5459.5	12.7
40°-50°	6667.5	15.5
50°-60°	7711.6	17.9
60°-70°	9194.9	21.4
70°-80°	6417.4	14.9
80°-90°	394.2	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°	42974.0	100.0
0°-180°	42974.0	100.0



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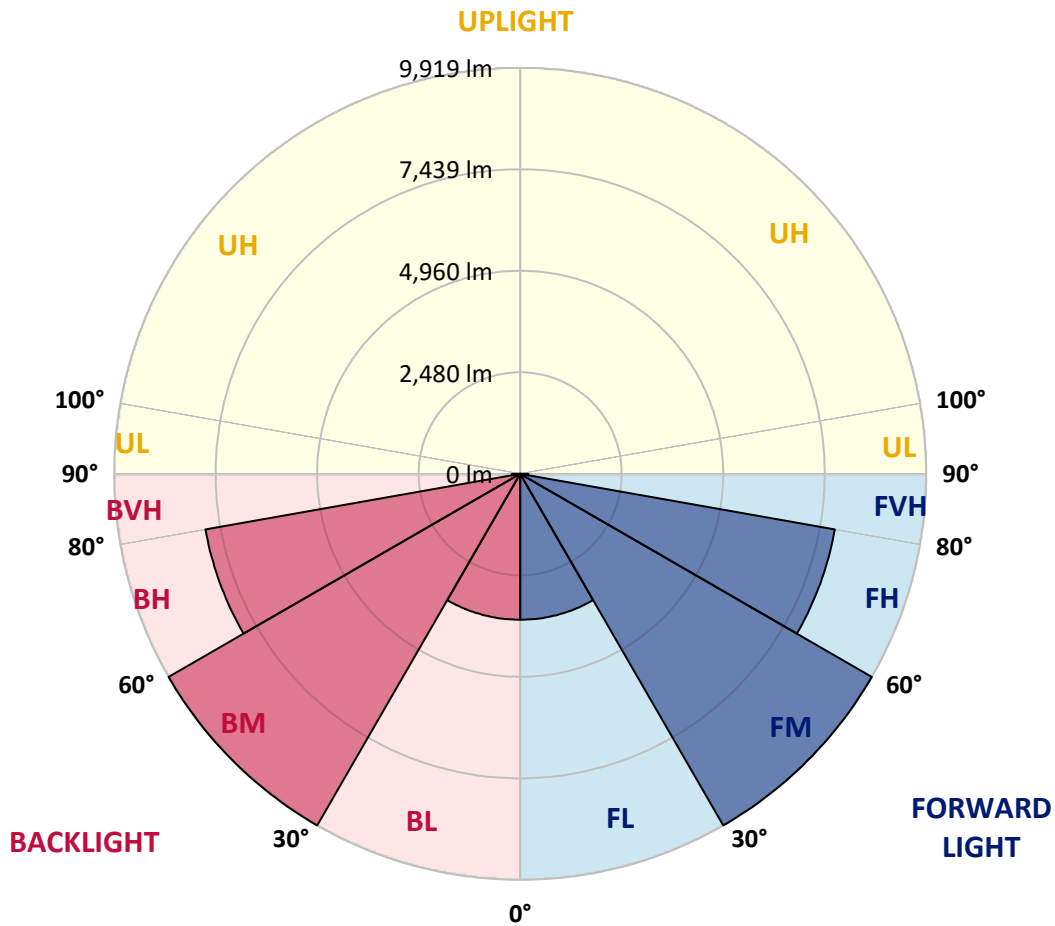
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3564.5	8.3			
FM (30°-60°)	9919.3	23.1			
FH (60°-80°)	7806.1	18.2			G4/12000
FVH (80°-90°)	197.1	0.5			G2/225
BL (0°-30°)	3564.5	8.3	B4/5000		
BM (30°-60°)	9919.3	23.1	B5		
BH (60°-80°)	7806.1	18.2	B5		G5
BVH (80°-90°)	197.1	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 I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8030.1	8030.1	8030.1	8030.1	8030.1	8030.1	8030.1	8030.1	8030.1	8030.1
2.5°	8037.0	8046.1	8046.1	8039.3	8055.3	8041.6	8041.6	8034.7	8041.6	8034.7
5°	8078.1	8089.5	8094.1	8091.8	8112.4	8100.9	8100.9	8091.8	8094.1	8087.2
7.5°	8155.8	8171.7	8180.9	8192.3	8222.0	8208.3	8199.2	8171.7	8160.3	8142.1
10°	8180.9	8199.2	8228.8	8288.2	8356.7	8359.0	8331.6	8263.1	8210.6	8169.5
12.5°	8103.2	8128.4	8190.0	8311.1	8464.1	8525.7	8482.4	8368.2	8265.4	8192.3
15°	8005.0	8032.4	8126.1	8308.8	8534.9	8678.8	8674.2	8523.5	8359.0	8244.8
17.5°	7852.0	7879.4	8014.2	8270.0	8589.7	8827.2	8891.2	8735.9	8505.2	8352.2
20°	7575.7	7600.8	7788.1	8146.6	8608.0	8984.8	9151.5	9014.5	8726.7	8518.9
22.5°	7217.1	7255.9	7475.2	7934.2	8564.6	9149.3	9448.4	9354.8	8984.8	8697.0
25°	6833.4	6874.5	7130.3	7673.9	8452.7	9268.0	9800.2	9740.8	9277.1	8918.6
27.5°	6502.2	6545.6	6824.3	7415.8	8279.1	9313.7	10147.3	10177.0	9631.2	9163.0
30°	6241.9	6283.0	6579.9	7207.9	8055.3	9268.0	10451.1	10656.6	9992.0	9375.4
32.5°	5956.4	6008.9	6321.8	6954.4	7790.3	9158.4	10716.0	11175.1	10410.0	9603.7
35°	5595.5	5643.5	5972.4	6607.3	7443.2	8982.5	10937.5	11750.6	11008.3	9950.9
37.5°	5157.0	5202.7	5529.3	6173.3	7098.3	8735.9	11106.5	12399.2	11720.9	10451.1
40°	4716.2	4759.6	5065.7	5689.2	6684.9	8420.7	11165.9	13034.1	12538.5	11138.5
42.5°	4312.0	4350.8	4631.7	5211.8	6221.3	8018.7	11088.3	13586.8	13271.7	11618.1
45°	3939.7	3974.0	4222.9	4764.2	5739.4	7530.0	10855.3	14180.7	14144.1	11960.7
47.5°	3514.9	3549.2	3807.2	4330.2	5257.5	6956.7	10460.2	14765.3	15356.9	12737.2
50°	2996.5	3026.1	3291.1	3830.1	4757.3	6346.9	9912.1	15224.4	16887.1	13913.4
52.5°	2382.1	2414.1	2672.1	3211.1	4163.5	5691.4	9190.4	15523.6	18654.8	15630.9
55°	1772.3	1795.1	2019.0	2503.1	3428.1	4944.6	8285.9	15608.1	20660.0	17978.8
57.5°	1285.8	1299.5	1443.4	1804.3	2599.1	4010.5	7187.4	15388.8	23046.7	20988.9
60°	1041.5	1046.0	1089.4	1249.3	1806.6	2955.3	5860.5	14635.1	25636.6	24869.2
62.5°	945.5	945.5	956.9	1000.3	1221.9	1950.4	4254.9	13073.0	28413.8	29772.7
65°	879.3	879.3	883.9	904.4	963.8	1242.4	2685.9	10528.7	30754.8	35516.7
67.5°	819.9	822.2	819.9	826.8	861.0	918.1	1557.6	7271.9	32015.5	41468.5
70°	758.3	762.8	751.4	751.4	778.8	781.1	975.2	3987.7	30969.5	46456.5
72.5°	685.2	692.0	673.7	669.2	689.7	680.6	733.1	1913.9	26589.0	47945.6
75°	621.2	630.4	589.2	577.8	577.8	571.0	596.1	982.1	17257.0	39111.6
77.5°	564.1	582.4	516.2	479.6	470.5	449.9	486.5	600.7	7548.2	18362.4
80°	465.9	491.0	424.8	381.4	365.4	342.6	383.7	420.2	2245.1	4264.0
82.5°	347.2	358.6	301.5	271.8	258.1	242.1	287.8	292.3	730.8	1509.6
85°	221.5	226.1	185.0	159.9	153.0	146.2	182.7	159.9	278.6	1110.0
87.5°	77.7	89.1	70.8	63.9	68.5	57.1	84.5	48.0	77.7	783.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

8030.1  
8034.7  
8087.2  
8142.1  
8162.6  
8180.9  
8226.6  
8327.1  
8480.1  
8644.5  
8845.5  
9085.3  
9263.4  
9462.1  
9793.3  
10240.9  
10914.7  
11330.4  
11572.5  
12289.6  
13351.6  
14938.9  
17113.2  
19899.5  
23496.6  
27934.2  
33191.7  
38958.5  
45796.5  
49681.4  
41834.0  
17981.0  
4083.6  
1706.1  
1612.4  
970.7  
0.0

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