

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: P942743

Luminaire Tested: **GALN-SB6D-927-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942743  
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-927-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 37158 lumens  
Efficiency: N/A  
Efficacy: 84.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

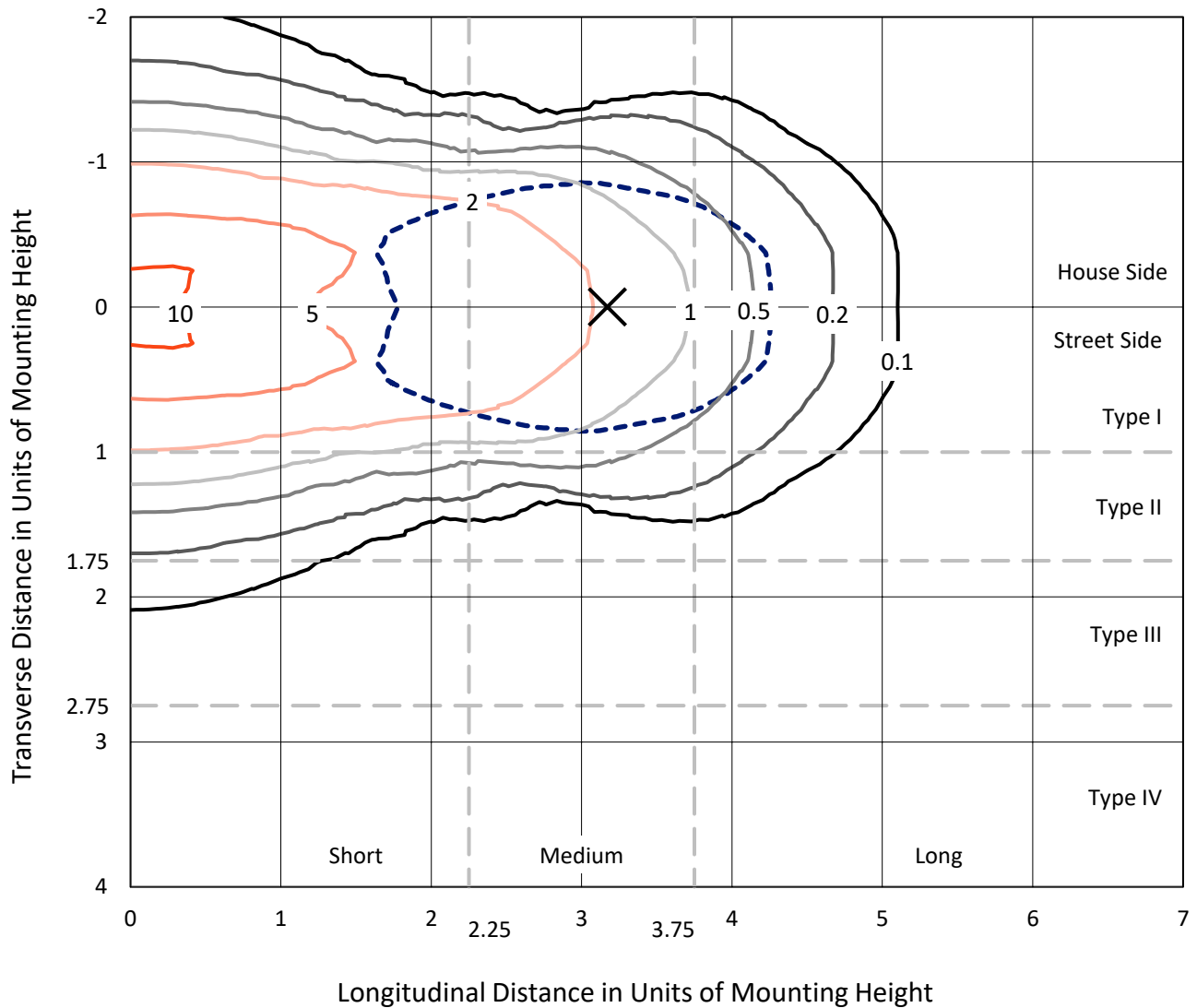
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

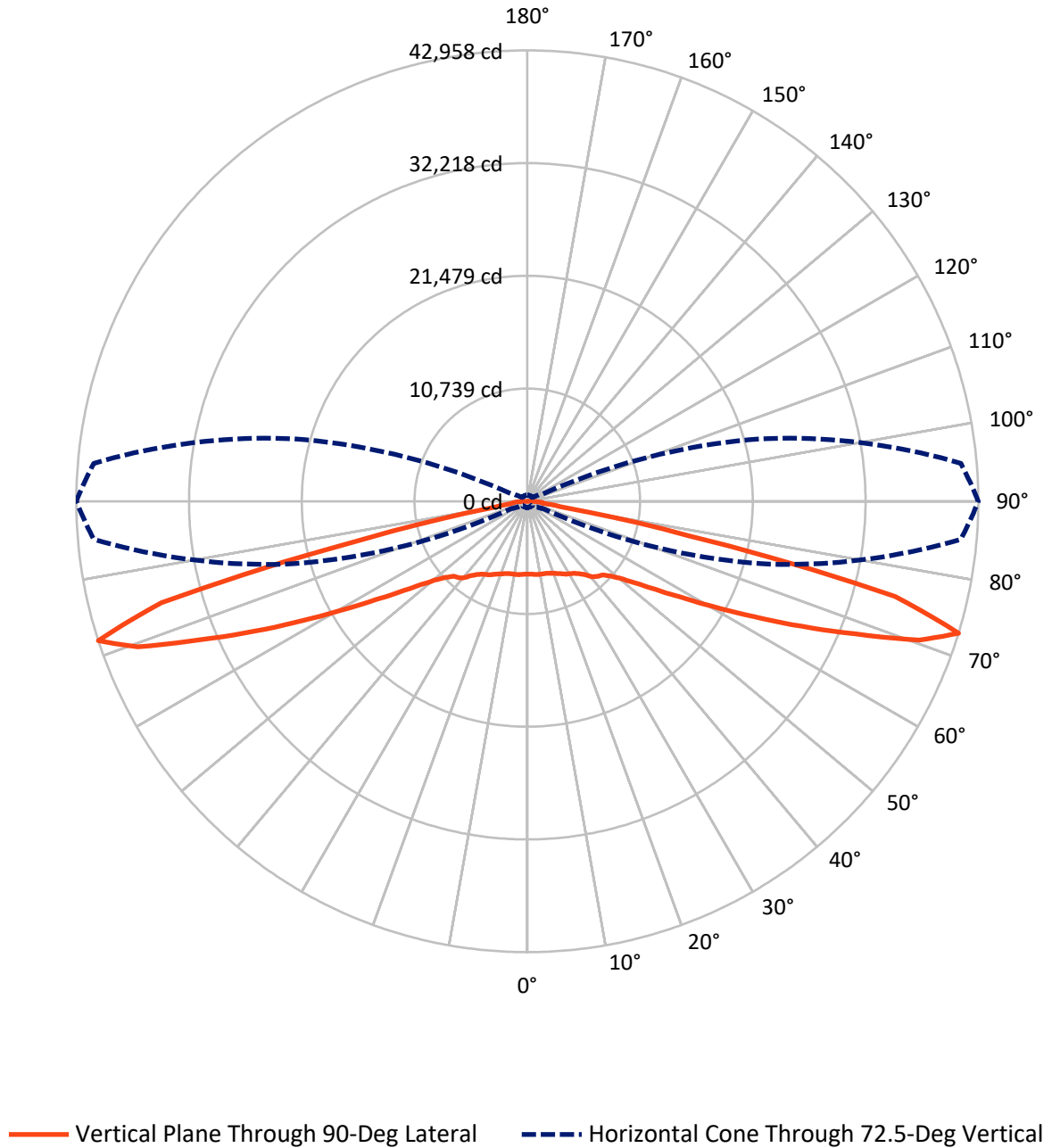
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 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	18579.0	0.0	18579.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	18579.0	0.0	18579.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	37158.0	0.0	37158.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	673.2	1.8
10°-20°	2058.5	5.5
20°-30°	3432.4	9.2
30°-40°	4720.6	12.7
40°-50°	5765.1	15.5
50°-60°	6668.0	17.9
60°-70°	7950.5	21.4
70°-80°	5548.9	14.9
80°-90°	340.8	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°	37158.0	100.0
0°-180°	37158.0	100.0

**Coefficient of Utilization**



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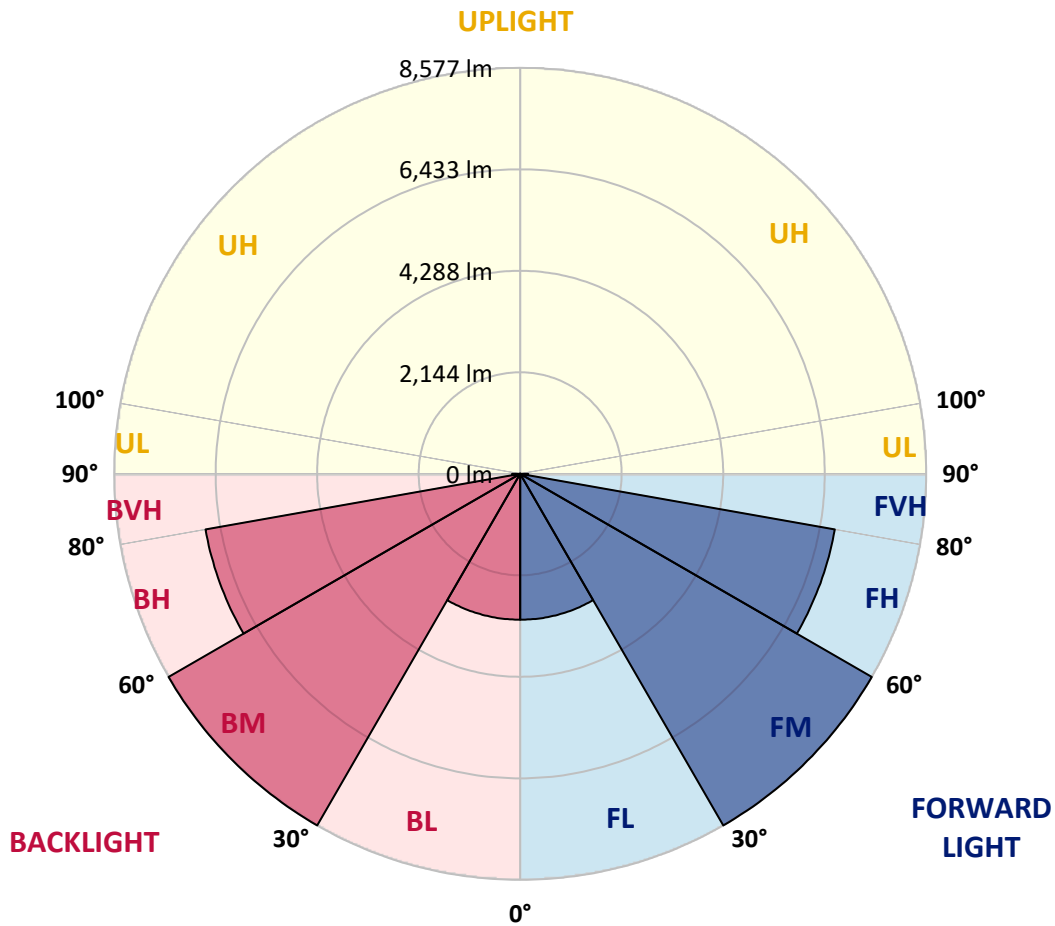
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3082.1	8.3			
FM (30°-60°)	8576.8	23.1			
FH (60°-80°)	6749.7	18.2			G3/7500
FVH (80°-90°)	170.4	0.5			G2/225
BL (0°-30°)	3082.1	8.3	B4/5000		
BM (30°-60°)	8576.8	23.1	B5		
BH (60°-80°)	6749.7	18.2	B5		G5
BVH (80°-90°)	170.4	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°	6943.4	6943.4	6943.4	6943.4	6943.4	6943.4	6943.4	6943.4	6943.4	6943.4
2.5°	6949.3	6957.2	6957.2	6951.3	6965.1	6953.2	6953.2	6947.3	6953.2	6947.3
5°	6984.8	6994.7	6998.7	6996.7	7014.5	7004.6	7004.6	6996.7	6998.7	6992.7
7.5°	7052.0	7065.8	7073.7	7083.6	7109.2	7097.4	7089.5	7065.8	7055.9	7040.1
10°	7073.7	7089.5	7115.2	7166.5	7225.8	7227.7	7204.0	7144.8	7099.4	7063.8
12.5°	7006.6	7028.3	7081.6	7186.3	7318.6	7371.9	7334.4	7235.6	7146.8	7083.6
15°	6921.6	6945.3	7026.3	7184.3	7379.8	7504.2	7500.3	7369.9	7227.7	7129.0
17.5°	6789.3	6813.0	6929.5	7150.7	7427.2	7632.6	7687.9	7553.6	7354.1	7221.8
20°	6550.4	6572.1	6734.0	7044.1	7443.0	7768.8	7913.0	7794.5	7545.7	7366.0
22.5°	6240.3	6273.9	6463.5	6860.4	7405.5	7911.0	8169.7	8088.7	7768.8	7520.0
25°	5908.6	5944.1	6165.3	6635.3	7308.7	8013.7	8473.8	8422.5	8021.6	7711.6
27.5°	5622.2	5659.8	5900.7	6412.1	7158.6	8053.2	8774.0	8799.7	8327.7	7922.9
30°	5397.1	5432.6	5689.4	6232.4	6965.1	8013.7	9036.6	9214.4	8639.7	8106.5
32.5°	5150.3	5195.7	5466.2	6013.2	6736.0	7918.9	9265.7	9662.7	9001.1	8304.0
35°	4838.2	4879.7	5164.1	5713.1	6435.8	7766.9	9457.3	10160.3	9518.5	8604.2
37.5°	4459.1	4498.6	4781.0	5337.9	6137.6	7553.6	9603.4	10721.1	10134.6	9036.6
40°	4077.9	4115.5	4380.1	4919.2	5780.2	7281.1	9654.8	11270.1	10841.6	9631.1
42.5°	3728.4	3762.0	4004.9	4506.5	5379.3	6933.5	9587.6	11748.0	11475.5	10045.8
45°	3406.5	3436.1	3651.4	4119.4	4962.6	6510.9	9386.2	12261.5	12229.9	10342.0
47.5°	3039.2	3068.8	3292.0	3744.2	4546.0	6015.2	9044.5	12767.0	13278.5	11013.4
50°	2590.9	2616.6	2845.7	3311.7	4113.5	5487.9	8570.6	13164.0	14601.6	12030.4
52.5°	2059.7	2087.4	2310.5	2776.6	3600.0	4921.2	7946.6	13422.7	16130.1	13515.5
55°	1532.4	1552.2	1745.7	2164.4	2964.2	4275.4	7164.5	13495.7	17864.0	15545.6
57.5°	1111.8	1123.7	1248.1	1560.1	2247.3	3467.7	6214.7	13306.1	19927.6	18148.3
60°	900.5	904.5	942.0	1080.2	1562.1	2555.4	5067.3	12654.5	22167.0	21503.5
62.5°	817.6	817.6	827.4	865.0	1056.5	1686.5	3679.0	11303.7	24568.4	25743.4
65°	760.3	760.3	764.2	782.0	833.4	1074.3	2322.4	9103.8	26592.5	30710.0
67.5°	708.9	710.9	708.9	714.9	744.5	793.9	1346.8	6287.7	27682.6	35856.3
70°	655.6	659.6	649.7	649.7	673.4	675.4	843.2	3448.0	26778.2	40169.2
72.5°	592.4	598.4	582.6	578.6	596.4	588.5	633.9	1654.9	22990.5	41456.8
75°	537.1	545.0	509.5	499.6	499.6	493.7	515.4	849.2	14921.5	33818.3
77.5°	487.8	503.6	446.3	414.7	406.8	389.0	420.6	519.4	6526.7	15877.3
80°	402.9	424.6	367.3	329.8	316.0	296.2	331.8	363.4	1941.2	3686.9
82.5°	300.2	310.0	260.7	235.0	223.2	209.3	248.8	252.8	631.9	1305.3
85°	191.6	195.5	160.0	138.2	132.3	126.4	158.0	138.2	240.9	959.7
87.5°	67.1	77.0	61.2	55.3	59.2	49.4	73.1	41.5	67.1	677.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6943.4  
6947.3  
6992.7  
7040.1  
7057.9  
7073.7  
7113.2  
7200.1  
7332.4  
7474.6  
7648.4  
7855.7  
8009.8  
8181.6  
8467.9  
8855.0  
9437.5  
9796.9  
10006.3  
10626.3  
11544.6  
12917.1  
14797.1  
17206.4  
20316.6  
24153.7  
28699.6  
33686.0  
39598.5  
42957.6  
36172.2  
15547.5  
3530.9  
1475.2  
1394.2  
839.3  
0.0

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