

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: P942773

Luminaire Tested: **GALN-SB6D-940-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942773  
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-940-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 44236 lumens  
Efficiency: N/A  
Efficacy: 100.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

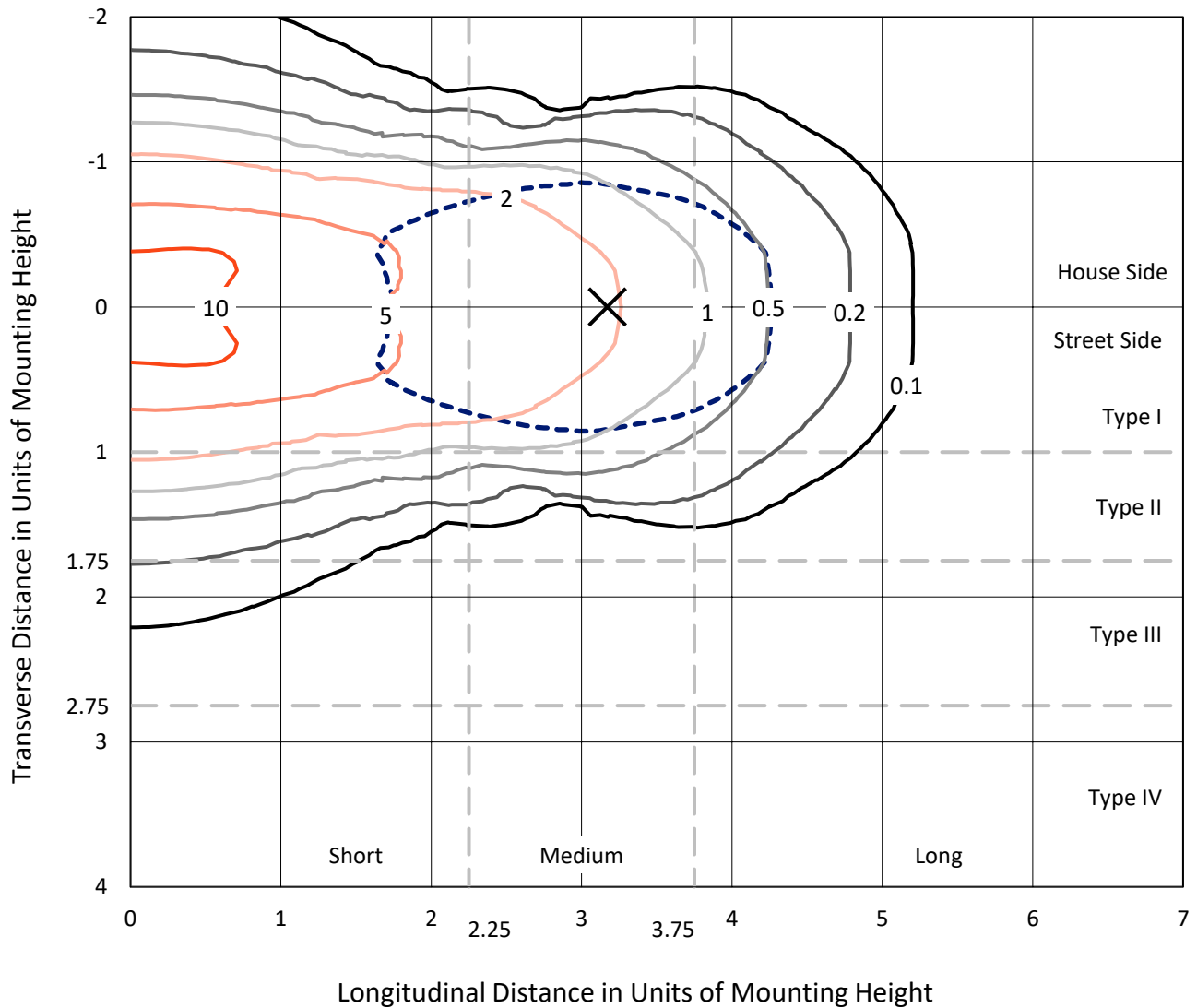
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

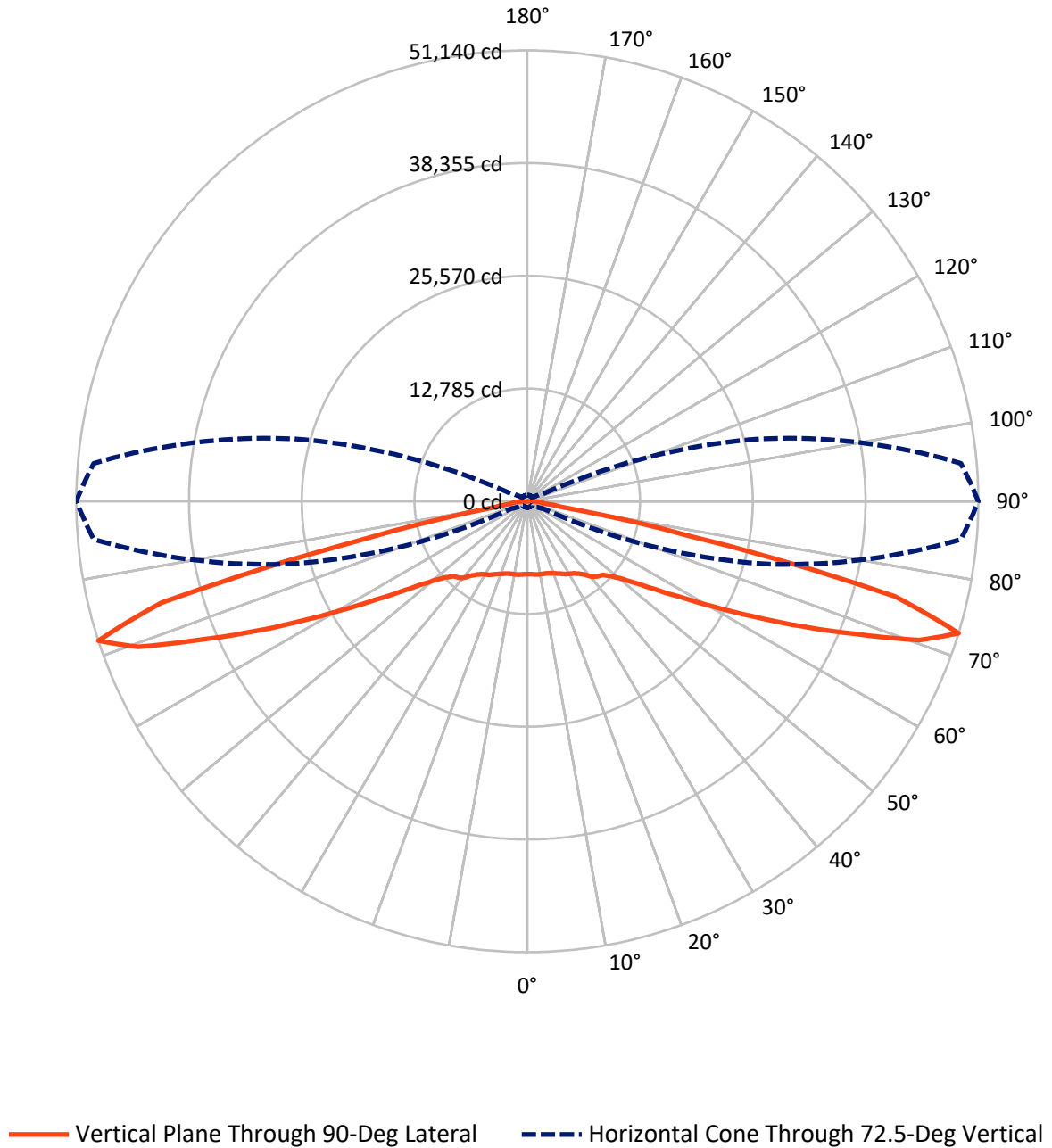
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.2 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	22118.0	0.0	22118.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	22118.0	0.0	22118.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	44236.0	0.0	44236.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	801.5	1.8
10°-20°	2450.6	5.5
20°-30°	4086.2	9.2
30°-40°	5619.8	12.7
40°-50°	6863.3	15.5
50°-60°	7938.1	17.9
60°-70°	9464.9	21.4
70°-80°	6605.9	14.9
80°-90°	405.7	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°	44236.0	100.0
0°-180°	44236.0	100.0

**Coefficient of Utilization**



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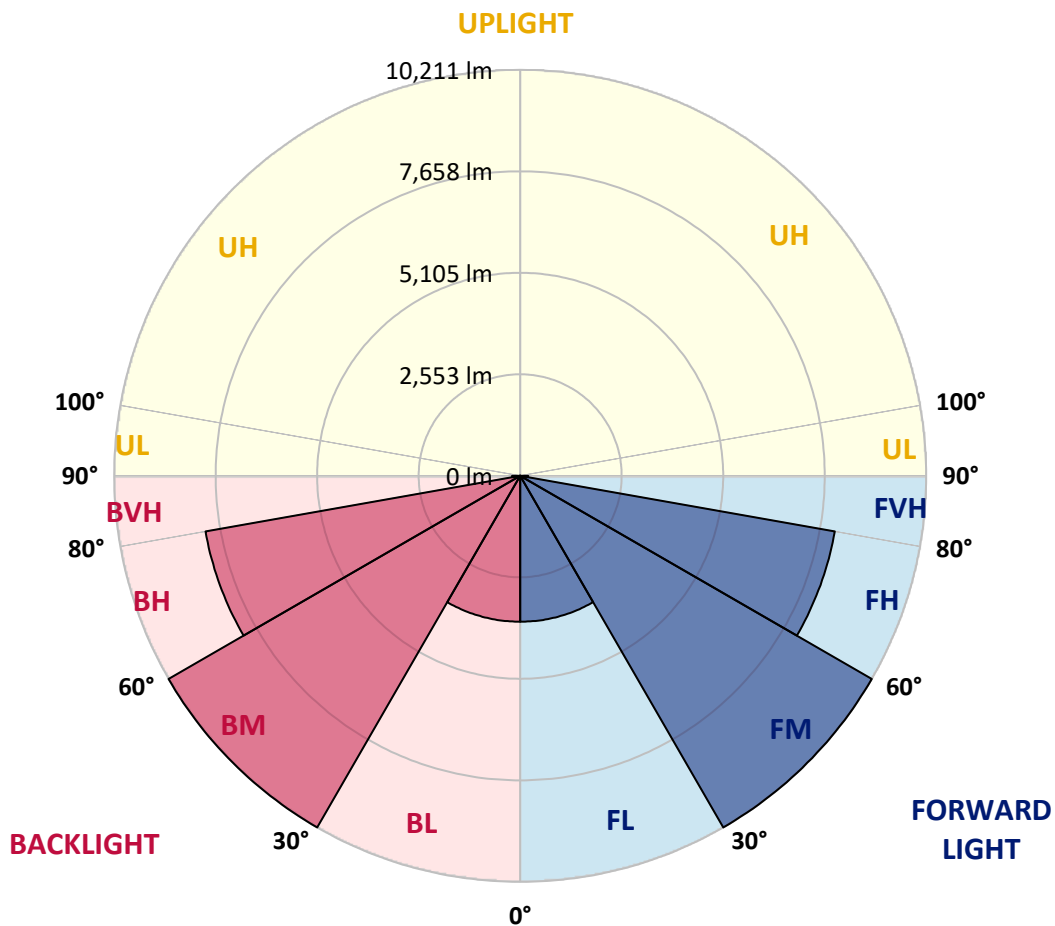
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3669.1	8.3			
FM (30°-60°)	10210.6	23.1			
FH (60°-80°)	8035.4	18.2			G4/12000
FVH (80°-90°)	202.9	0.5			G2/225
BL (0°-30°)	3669.1	8.3	B4/5000		
BM (30°-60°)	10210.6	23.1	B5		
BH (60°-80°)	8035.4	18.2	B5		G5
BVH (80°-90°)	202.9	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°	8266.0	8266.0	8266.0	8266.0	8266.0	8266.0	8266.0	8266.0	8266.0	8266.0
2.5°	8273.0	8282.4	8282.4	8275.4	8291.8	8277.7	8277.7	8270.7	8277.7	8270.7
5°	8315.3	8327.1	8331.8	8329.4	8350.6	8338.8	8338.8	8329.4	8331.8	8324.7
7.5°	8395.3	8411.7	8421.1	8432.9	8463.4	8449.3	8439.9	8411.7	8400.0	8381.2
10°	8421.1	8439.9	8470.5	8531.6	8602.2	8604.5	8576.3	8505.8	8451.7	8409.4
12.5°	8341.2	8367.1	8430.5	8555.1	8712.6	8776.1	8731.5	8613.9	8508.1	8432.9
15°	8240.1	8268.3	8364.7	8552.8	8785.5	8933.6	8928.9	8773.8	8604.5	8487.0
17.5°	8082.6	8110.8	8249.5	8512.8	8841.9	9086.4	9152.3	8992.4	8755.0	8597.4
20°	7798.1	7824.0	8016.8	8385.9	8860.8	9248.7	9420.3	9279.2	8983.0	8769.1
22.5°	7429.0	7469.0	7694.7	8167.2	8816.1	9417.9	9725.9	9629.5	9248.7	8952.4
25°	7034.1	7076.4	7339.7	7899.2	8700.9	9540.2	10088.0	10026.8	9549.6	9180.5
27.5°	6693.2	6737.8	7024.7	7633.6	8522.2	9587.2	10445.3	10475.9	9914.0	9432.0
30°	6425.2	6467.5	6773.1	7419.6	8291.8	9540.2	10758.0	10969.6	10285.4	9650.7
32.5°	6131.3	6185.4	6507.4	7158.7	8019.1	9427.3	11030.7	11503.2	10715.7	9885.8
35°	5759.8	5809.2	6147.8	6801.3	7661.8	9246.3	11258.7	12095.7	11331.6	10243.1
37.5°	5308.5	5355.5	5691.7	6354.6	7306.8	8992.4	11432.7	12763.3	12065.1	10758.0
40°	4854.7	4899.4	5214.4	5856.2	6881.3	8668.0	11493.8	13416.9	12906.8	11465.6
42.5°	4438.6	4478.6	4767.7	5364.9	6404.0	8254.2	11413.9	13985.8	13661.4	11959.3
45°	4055.4	4090.7	4346.9	4904.1	5908.0	7751.1	11174.1	14597.1	14559.5	12312.0
47.5°	3618.1	3653.4	3919.0	4457.4	5411.9	7161.0	10767.4	15198.9	15807.8	13111.3
50°	3084.5	3115.0	3387.7	3942.6	4897.0	6533.3	10203.2	15671.5	17383.0	14322.0
52.5°	2452.0	2485.0	2750.6	3305.4	4285.8	5858.6	9460.2	15979.5	19202.6	16089.9
55°	1824.3	1847.9	2078.2	2576.6	3528.8	5089.8	8529.3	16066.4	21266.8	18506.7
57.5°	1323.6	1337.7	1485.8	1857.3	2675.4	4128.3	7398.5	15840.7	23723.5	21605.3
60°	1072.0	1076.7	1121.4	1286.0	1859.6	3042.1	6032.6	15064.9	26389.5	25599.6
62.5°	973.3	973.3	985.1	1029.7	1257.8	2007.7	4379.8	13456.9	29248.3	30647.1
65°	905.1	905.1	909.8	931.0	992.1	1278.9	2764.7	10837.9	31658.0	36559.7
67.5°	844.0	846.3	844.0	851.0	886.3	945.1	1603.4	7485.4	32955.7	42686.3
70°	780.5	785.2	773.5	773.5	801.7	804.0	1003.9	4104.8	31879.0	47820.8
72.5°	705.3	712.3	693.5	688.8	710.0	700.6	754.7	1970.1	27369.8	49353.6
75°	639.5	648.9	606.5	594.8	594.8	587.7	613.6	1010.9	17763.8	40260.1
77.5°	580.7	599.5	531.3	493.7	484.3	463.1	500.8	618.3	7769.9	18901.7
80°	479.6	505.5	437.3	392.6	376.2	352.6	395.0	432.6	2311.0	4389.2
82.5°	357.3	369.1	310.3	279.8	265.7	249.2	296.2	300.9	752.3	1554.0
85°	228.0	232.7	190.4	164.6	157.5	150.5	188.1	164.6	286.8	1142.6
87.5°	79.9	91.7	72.9	65.8	70.5	58.8	87.0	49.4	79.9	806.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

8266.0  
8270.7  
8324.7  
8381.2  
8402.3  
8421.1  
8468.1  
8571.6  
8729.1  
8898.4  
9105.3  
9352.1  
9535.5  
9740.0  
10080.9  
10541.7  
11235.2  
11663.1  
11912.3  
12650.5  
13743.7  
15377.6  
17615.7  
20483.9  
24186.6  
28754.6  
34166.5  
40102.6  
47141.4  
51140.4  
43062.5  
18509.1  
4203.5  
1756.2  
1659.8  
999.2  
0.0

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