

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: P942403

Luminaire Tested: **GALN-SB6B-927-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942403  
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-SB6B-927-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20562 lumens  
Efficiency: N/A  
Efficacy: 93.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

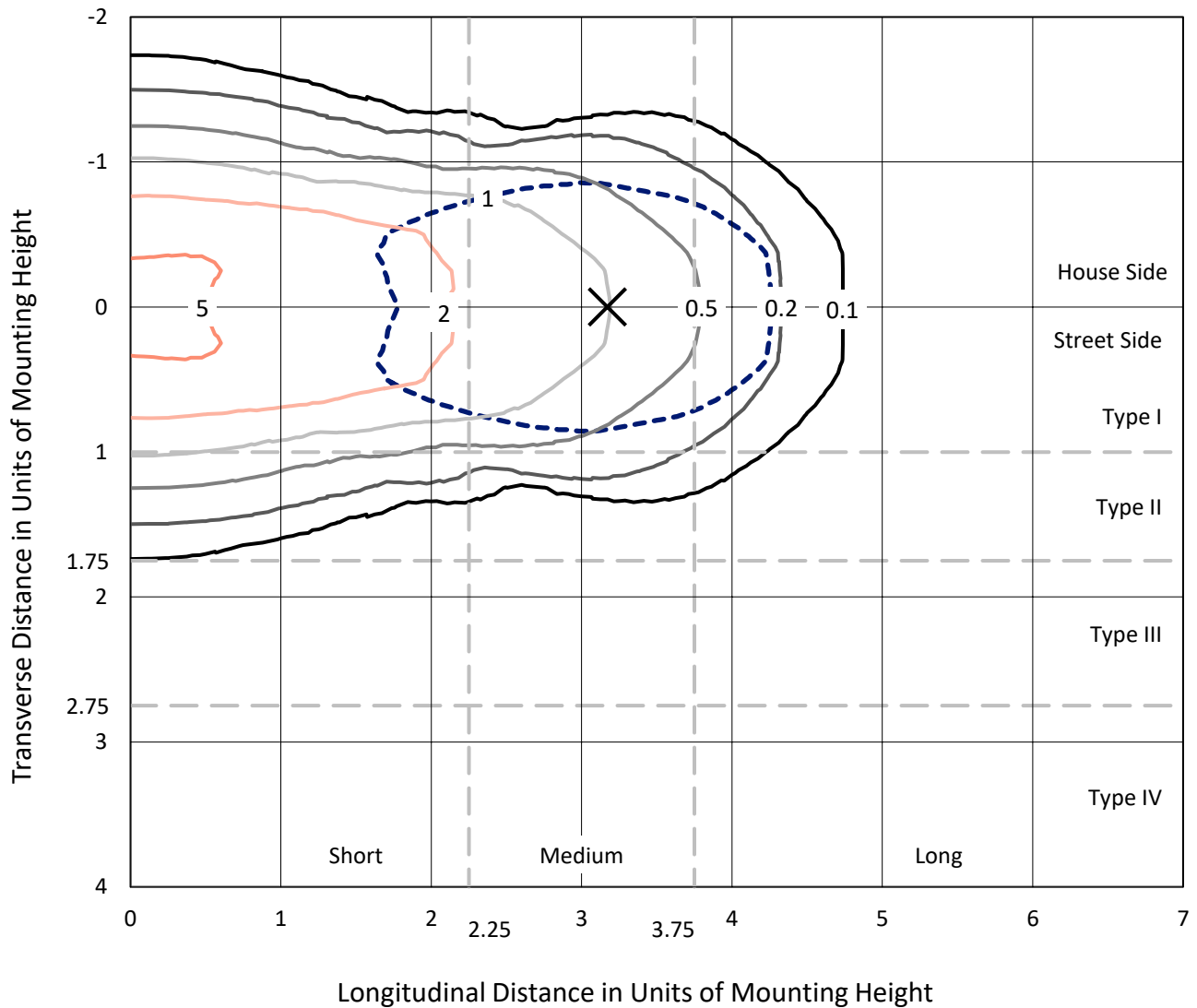
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

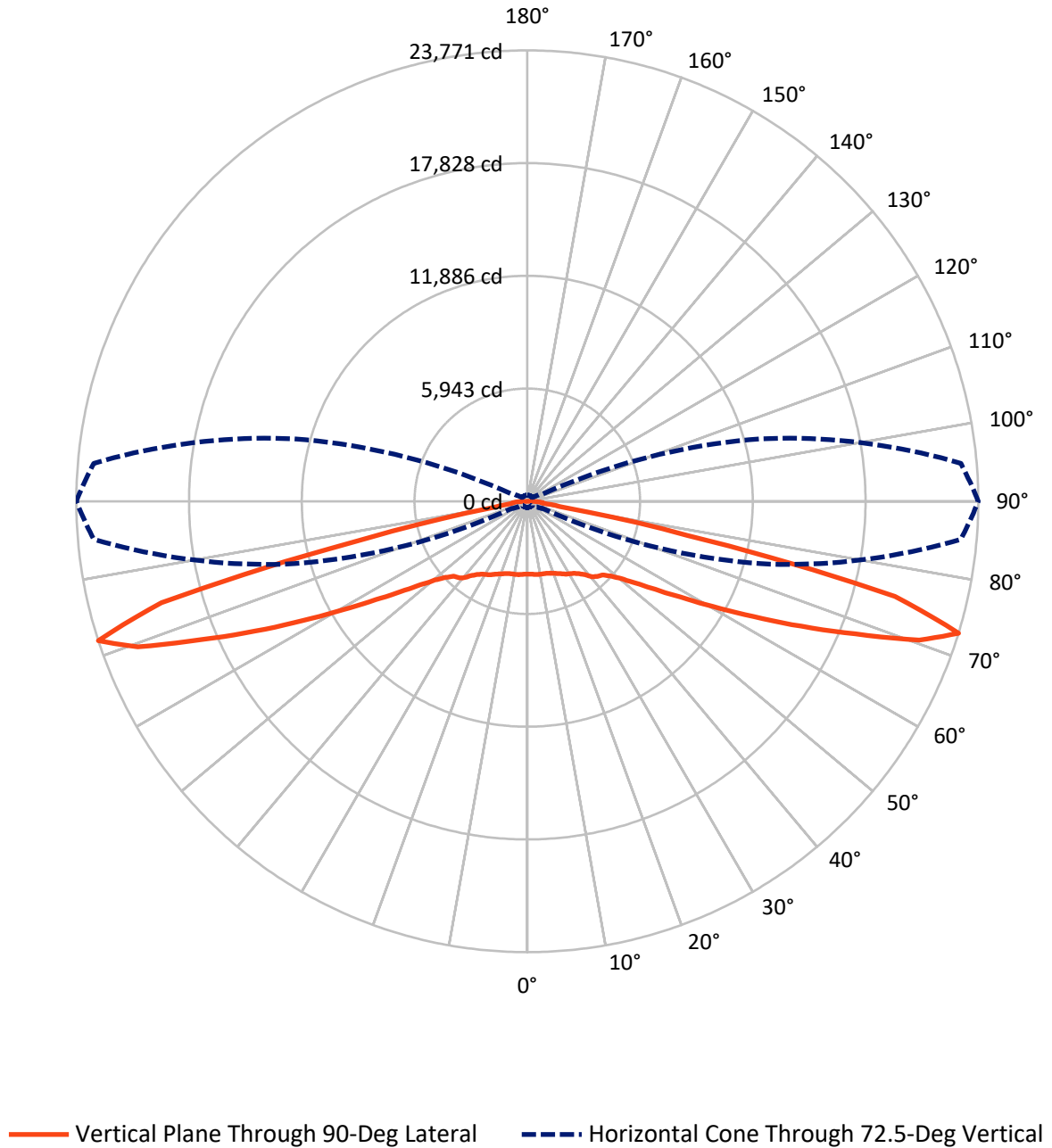
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



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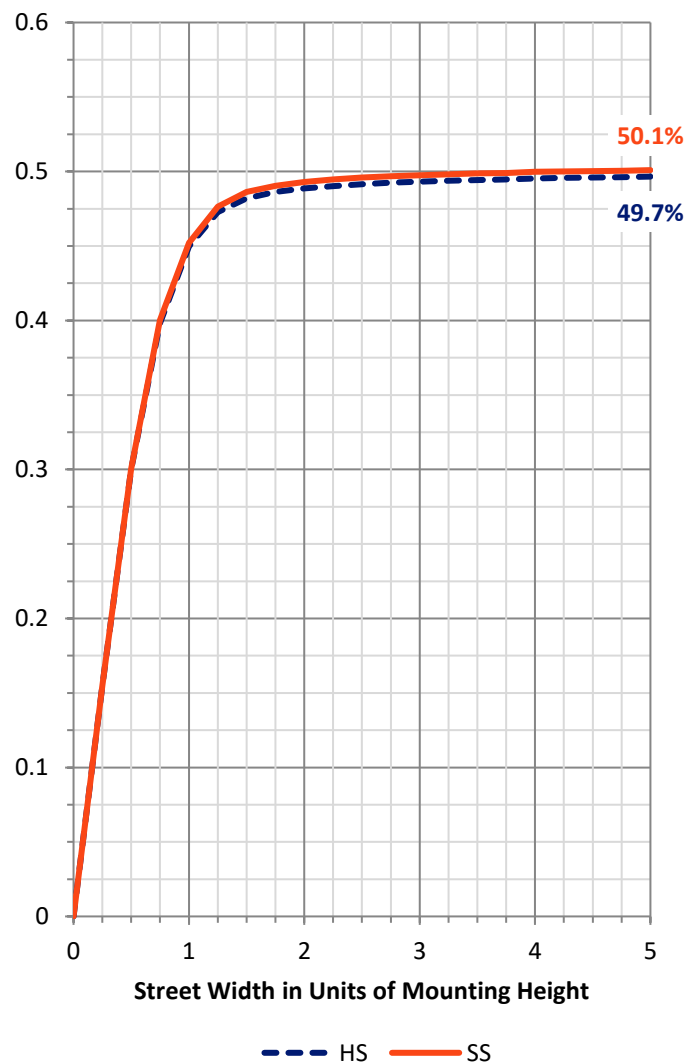
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10281.0	0.0	10281.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10281.0	0.0	10281.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	20562.0	0.0	20562.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	372.6	1.8
10°-20°	1139.1	5.5
20°-30°	1899.4	9.2
30°-40°	2612.2	12.7
40°-50°	3190.2	15.5
50°-60°	3689.8	17.9
60°-70°	4399.5	21.4
70°-80°	3070.6	14.9
80°-90°	188.6	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°	20562.0	100.0
0°-180°	20562.0	100.0

**Coefficient of Utilization**



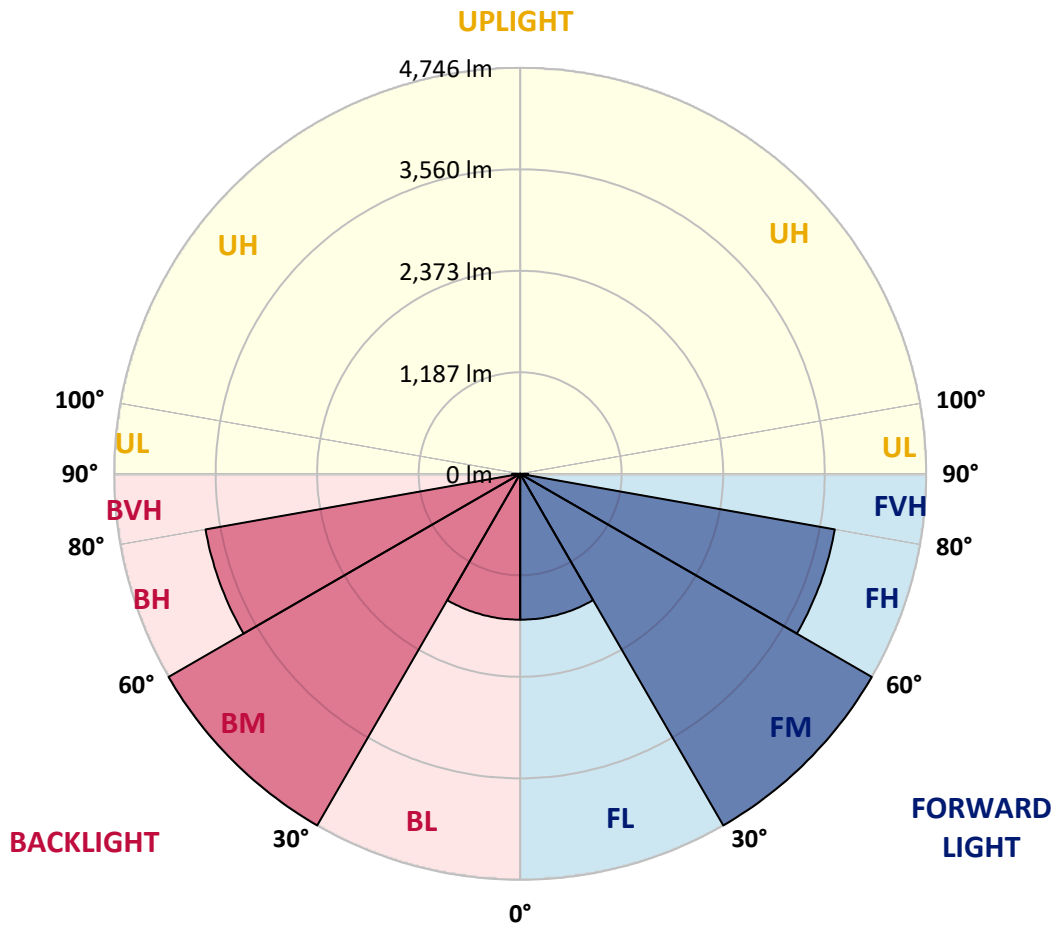
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1705.5	8.3			
FM (30°-60°)	4746.1	23.1			
FH (60°-80°)	3735.0	18.2			G2/5000
FVH (80°-90°)	94.3	0.5			G1/100
BL (0°-30°)	1705.5	8.3	B3/2500		
BM (30°-60°)	4746.1	23.1	B3/5000		
BH (60°-80°)	3735.0	18.2	B4/5000		G4/5000
BVH (80°-90°)	94.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3842.2	3842.2	3842.2	3842.2	3842.2	3842.2	3842.2	3842.2	3842.2	3842.2
2.5°	3845.5	3849.9	3849.9	3846.6	3854.2	3847.7	3847.7	3844.4	3847.7	3844.4
5°	3865.2	3870.6	3872.8	3871.7	3881.6	3876.1	3876.1	3871.7	3872.8	3869.5
7.5°	3902.3	3910.0	3914.4	3919.8	3934.0	3927.5	3923.1	3910.0	3904.5	3895.8
10°	3914.4	3923.1	3937.3	3965.7	3998.5	3999.6	3986.5	3953.7	3928.6	3908.9
12.5°	3877.2	3889.2	3918.7	3976.6	4049.9	4079.4	4058.6	4004.0	3954.8	3919.8
15°	3830.2	3843.3	3888.1	3975.5	4083.7	4152.6	4150.4	4078.3	3999.6	3944.9
17.5°	3757.0	3770.1	3834.6	3957.0	4110.0	4223.6	4254.2	4179.9	4069.5	3996.3
20°	3624.8	3636.8	3726.4	3898.0	4118.7	4299.0	4378.8	4313.2	4175.5	4076.1
22.5°	3453.2	3471.8	3576.7	3796.3	4097.9	4377.7	4520.8	4476.0	4299.0	4161.3
25°	3269.6	3289.3	3411.7	3671.8	4044.4	4434.5	4689.1	4660.7	4438.9	4267.3
27.5°	3111.2	3131.9	3265.2	3548.3	3961.3	4456.4	4855.2	4869.4	4608.3	4384.2
30°	2986.6	3006.2	3148.3	3448.8	3854.2	4434.5	5000.6	5098.9	4780.9	4485.9
32.5°	2850.0	2875.1	3024.8	3327.5	3727.5	4382.1	5127.3	5347.0	4980.9	4595.2
35°	2677.3	2700.3	2857.6	3161.4	3561.4	4297.9	5233.3	5622.4	5267.2	4761.3
37.5°	2467.5	2489.4	2645.6	2953.8	3396.4	4179.9	5314.2	5932.7	5608.2	5000.6
40°	2256.6	2277.4	2423.8	2722.1	3198.6	4029.1	5342.6	6236.5	5999.4	5329.5
42.5°	2063.2	2081.8	2216.2	2493.7	2976.7	3836.8	5305.5	6501.0	6350.2	5559.0
45°	1885.1	1901.4	2020.6	2279.5	2746.2	3602.9	5194.0	6785.1	6767.6	5722.9
47.5°	1681.8	1698.2	1821.7	2071.9	2515.6	3328.6	5004.9	7064.8	7347.9	6094.5
50°	1433.7	1447.9	1574.7	1832.6	2276.3	3036.8	4742.7	7284.5	8080.0	6657.2
52.5°	1139.8	1155.1	1278.6	1536.5	1992.1	2723.2	4397.4	7427.6	8925.9	7479.0
55°	848.0	858.9	966.0	1197.7	1640.3	2365.9	3964.6	7468.1	9885.3	8602.4
57.5°	615.2	621.8	690.6	863.3	1243.6	1918.9	3439.0	7363.2	11027.3	10042.7
60°	498.3	500.5	521.3	597.8	864.4	1414.1	2804.1	7002.6	12266.5	11899.3
62.5°	452.4	452.4	457.9	478.6	584.6	933.2	2035.9	6255.1	13595.3	14245.5
65°	420.7	420.7	422.9	432.7	461.2	594.5	1285.1	5037.7	14715.4	16993.9
67.5°	392.3	393.4	392.3	395.6	412.0	439.3	745.3	3479.4	15318.6	19841.7
70°	362.8	365.0	359.5	359.5	372.6	373.7	466.6	1908.0	14818.1	22228.3
72.5°	327.8	331.1	322.4	320.2	330.0	325.6	350.8	915.8	12722.2	22940.8
75°	297.2	301.6	281.9	276.5	276.5	273.2	285.2	469.9	8257.1	18713.9
77.5°	269.9	278.7	247.0	229.5	225.1	215.3	232.8	287.4	3611.6	8786.0
80°	222.9	234.9	203.3	182.5	174.8	163.9	183.6	201.1	1074.2	2040.2
82.5°	166.1	171.6	144.2	130.0	123.5	115.8	137.7	139.9	349.7	722.3
85°	106.0	108.2	88.5	76.5	73.2	69.9	87.4	76.5	133.3	531.1
87.5°	37.2	42.6	33.9	30.6	32.8	27.3	40.4	22.9	37.2	374.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3842.2  
3844.4  
3869.5  
3895.8  
3905.6  
3914.4  
3936.2  
3984.3  
4057.5  
4136.2  
4232.4  
4347.1  
4432.3  
4527.4  
4685.9  
4900.0  
5222.4  
5421.3  
5537.1  
5880.3  
6388.4  
7147.9  
8188.2  
9521.4  
11242.6  
13365.8  
15881.4  
18640.7  
21912.5  
23771.3  
20016.5  
8603.5  
1953.9  
816.3  
771.5  
464.4  
0.0

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