

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: P942433

Luminaire Tested: **GALN-SB6B-940-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942433
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-940-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24479 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

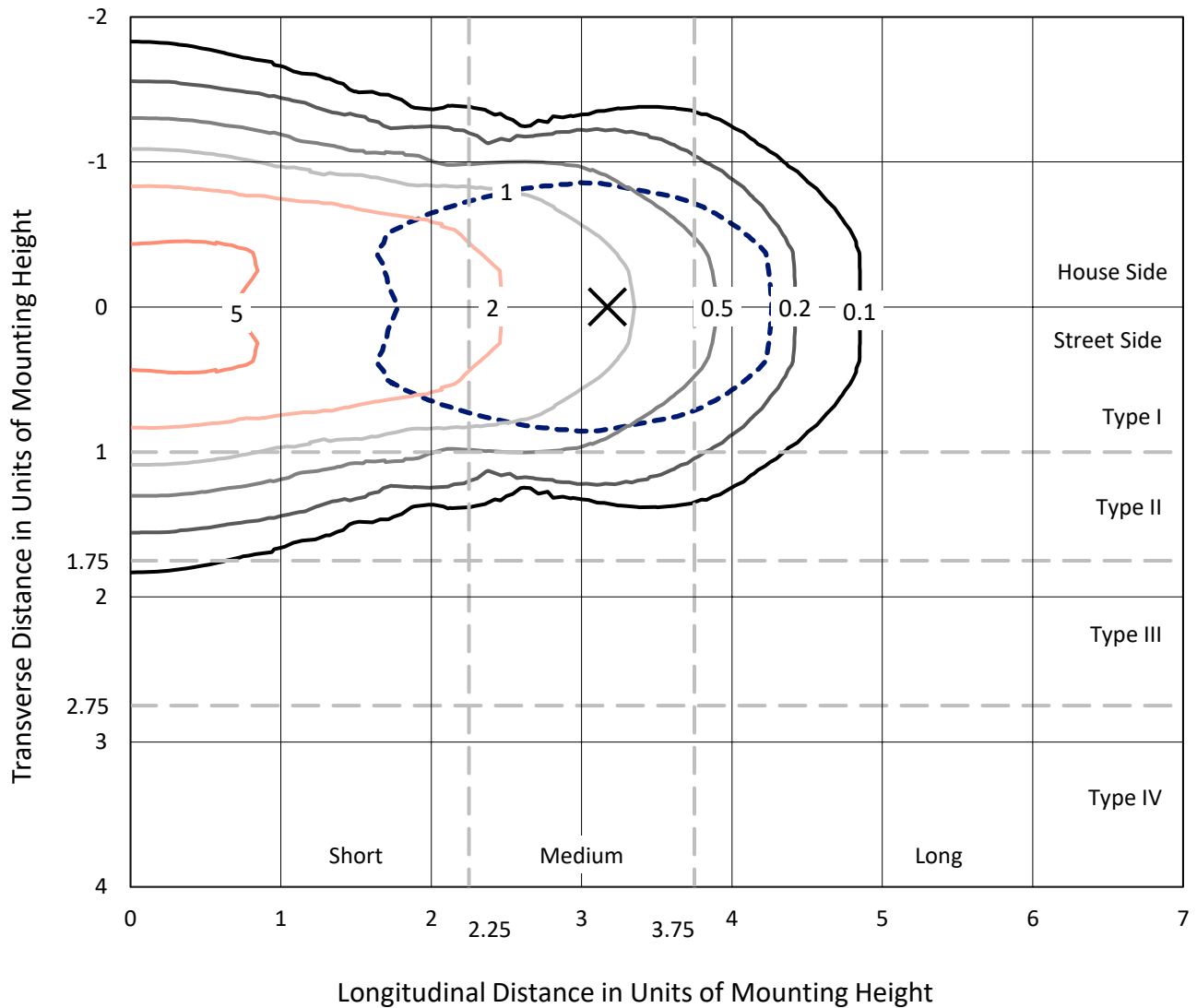
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P942433
 CATALOG NUMBER: GALN-SB6B-940-U-T1

Iso-Footcandle Lines of Horizontal Illumination

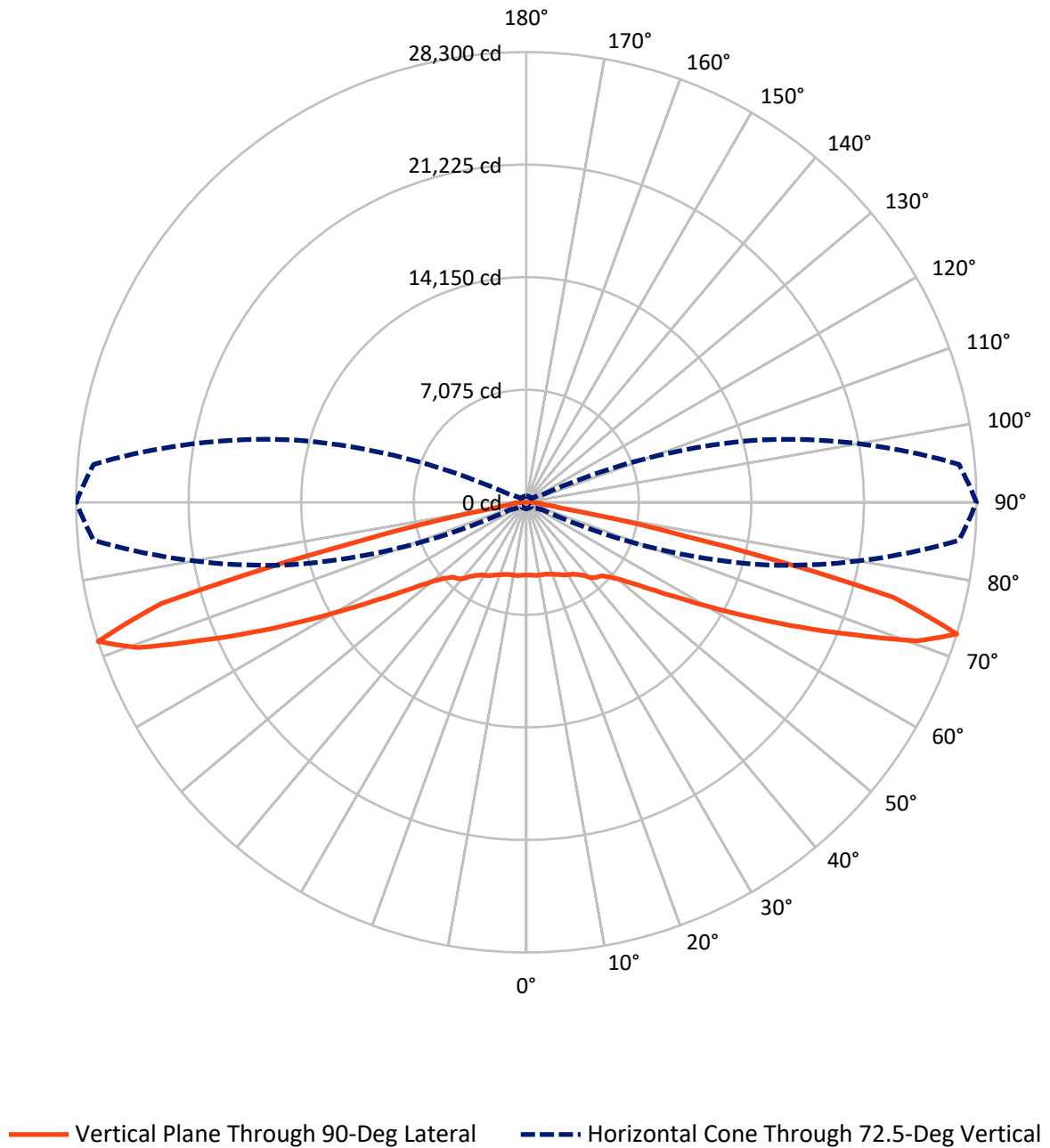
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
 Type I - Short - N/A

REPORT NUMBER: P942433
CATALOG NUMBER: GALN-SB6B-940-U-T1

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12239.5	0.0	12239.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12239.5	0.0	12239.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	24479.0	0.0	24479.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	443.5	1.8
10°-20°	1356.1	5.5
20°-30°	2261.2	9.2
30°-40°	3109.8	12.7
40°-50°	3798.0	15.5
50°-60°	4392.7	17.9
60°-70°	5237.6	21.4
70°-80°	3655.5	14.9
80°-90°	224.5	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°	24479.0	100.0
0°-180°	24479.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942433

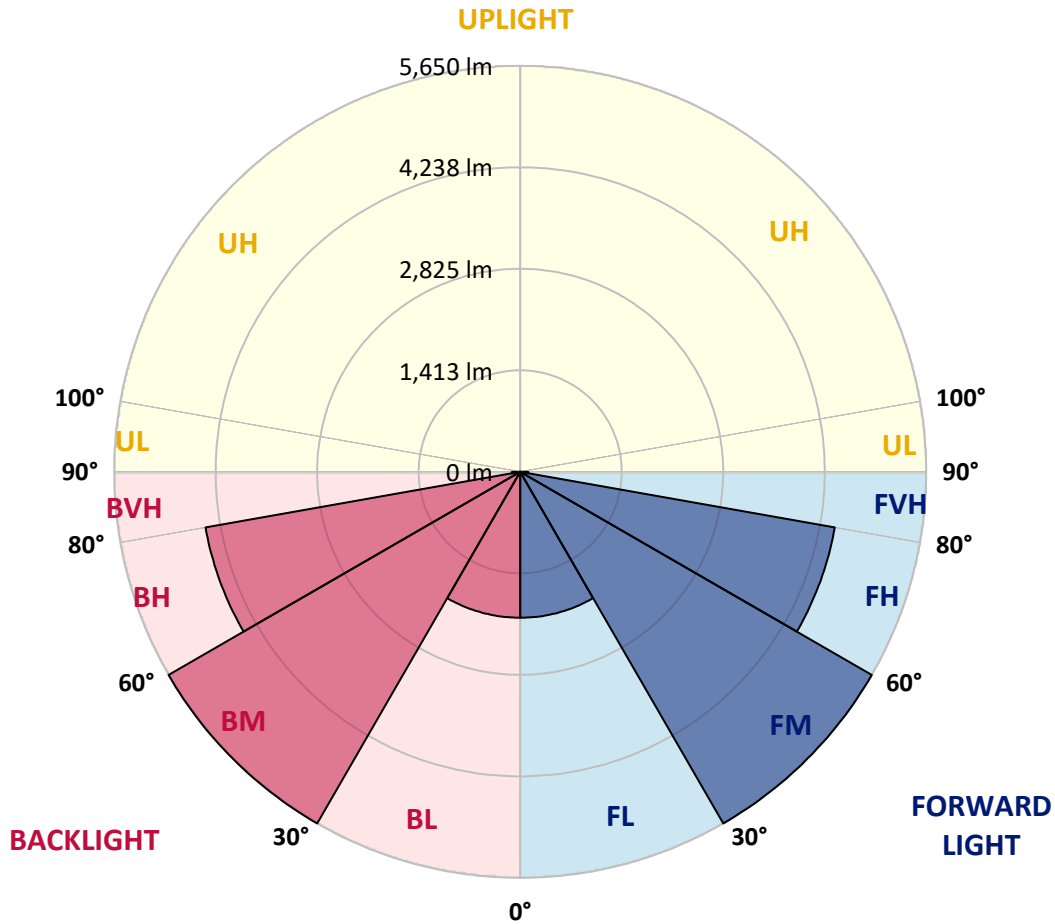
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2030.4	8.3			
FM (30°-60°)	5650.3	23.1			
FH (60°-80°)	4446.6	18.2			G2/5000
FVH (80°-90°)	112.3	0.5			G2/225
BL (0°-30°)	2030.4	8.3	B3/2500		
BM (30°-60°)	5650.3	23.1	B4/8500		
BH (60°-80°)	4446.6	18.2	B4/5000		G4/5000
BVH (80°-90°)	112.3	0.5			G2/225
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°	4574.2	4574.2	4574.2	4574.2	4574.2	4574.2	4574.2	4574.2	4574.2	4574.2
2.5°	4578.1	4583.3	4583.3	4579.4	4588.5	4580.7	4580.7	4576.8	4580.7	4576.8
5°	4601.5	4608.0	4610.6	4609.3	4621.0	4614.5	4614.5	4609.3	4610.6	4606.7
7.5°	4645.7	4654.8	4660.0	4666.5	4683.4	4675.6	4670.4	4654.8	4648.3	4637.9
10°	4660.0	4670.4	4687.3	4721.2	4760.2	4761.5	4745.9	4706.9	4676.9	4653.5
12.5°	4615.8	4630.1	4665.2	4734.2	4821.3	4856.5	4831.7	4766.7	4708.2	4666.5
15°	4559.8	4575.5	4628.8	4732.9	4861.7	4943.6	4941.0	4855.2	4761.5	4696.4
17.5°	4472.7	4488.3	4565.1	4710.8	4892.9	5028.2	5064.6	4976.2	4844.8	4757.6
20°	4315.3	4329.6	4436.3	4640.5	4903.3	5118.0	5212.9	5134.9	4971.0	4852.6
22.5°	4111.0	4133.1	4258.0	4519.5	4878.6	5211.6	5382.1	5328.7	5118.0	4954.0
25°	3892.5	3915.9	4061.6	4371.2	4814.8	5279.3	5582.4	5548.6	5284.5	5080.2
27.5°	3703.8	3728.5	3887.3	4224.2	4716.0	5305.3	5780.1	5797.1	5486.1	5219.4
30°	3555.5	3578.9	3748.1	4105.8	4588.5	5279.3	5953.2	6070.3	5691.7	5340.4
32.5°	3392.9	3422.8	3601.0	3961.4	4437.6	5216.8	6104.1	6365.6	5929.8	5470.5
35°	3187.3	3214.7	3402.0	3763.7	4239.8	5116.7	6230.3	6693.4	6270.6	5668.3
37.5°	2937.6	2963.6	3149.6	3516.5	4043.4	4976.2	6326.5	7062.9	6676.5	5953.2
40°	2686.5	2711.2	2885.5	3240.7	3807.9	4796.6	6360.4	7424.6	7142.2	6344.8
42.5°	2456.2	2478.3	2638.3	2968.8	3543.8	4567.7	6316.1	7739.4	7559.9	6618.0
45°	2244.1	2263.7	2405.5	2713.8	3269.3	4289.3	6183.4	8077.6	8056.8	6813.1
47.5°	2002.2	2021.7	2168.7	2466.6	2994.8	3962.7	5958.4	8410.7	8747.6	7255.4
50°	1706.9	1723.8	1874.7	2181.7	2709.9	3615.4	5646.1	8672.2	9619.3	7925.4
52.5°	1356.9	1375.1	1522.1	1829.1	2371.6	3242.0	5235.0	8842.6	10626.2	8903.7
55°	1009.5	1022.6	1150.0	1425.8	1952.7	2816.6	4719.9	8890.7	11768.4	10241.1
57.5°	732.4	740.2	822.2	1027.8	1480.5	2284.5	4094.1	8765.8	13127.9	11955.8
60°	593.2	595.8	620.6	711.6	1029.1	1683.4	3338.3	8336.5	14603.2	14166.1
62.5°	538.6	538.6	545.1	569.8	696.0	1111.0	2423.7	7446.7	16185.2	16959.3
65°	500.9	500.9	503.5	515.2	549.0	707.7	1529.9	5997.4	17518.7	20231.2
67.5°	467.0	468.3	467.0	470.9	490.5	523.0	887.3	4142.2	18236.8	23621.4
70°	431.9	434.5	428.0	428.0	443.6	444.9	555.5	2271.5	17641.0	26462.7
72.5°	390.3	394.2	383.8	381.2	392.9	387.7	417.6	1090.2	15145.7	27311.0
75°	353.9	359.1	335.6	329.1	329.1	325.2	339.5	559.4	9830.0	22278.9
77.5°	321.3	331.7	294.0	273.2	268.0	256.3	277.1	342.2	4299.7	10459.7
80°	265.4	279.7	242.0	217.3	208.2	195.1	218.6	239.4	1278.8	2428.9
82.5°	197.7	204.3	171.7	154.8	147.0	137.9	163.9	166.5	416.3	859.9
85°	126.2	128.8	105.4	91.1	87.2	83.3	104.1	91.1	158.7	632.3
87.5°	44.2	50.7	40.3	36.4	39.0	32.5	48.1	27.3	44.2	446.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4574.2
4576.8
4606.7
4637.9
4649.6
4660.0
4686.0
4743.3
4830.4
4924.1
5038.6
5175.2
5276.7
5389.9
5578.5
5833.5
6217.3
6454.0
6591.9
7000.4
7605.4
8509.5
9748.1
11335.2
13384.2
15912.0
18906.8
22191.7
26086.8
28299.7
23829.6
10242.4
2326.1
971.8
918.5
552.9
0.0

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