

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: P952646

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952646
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
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-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25480 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

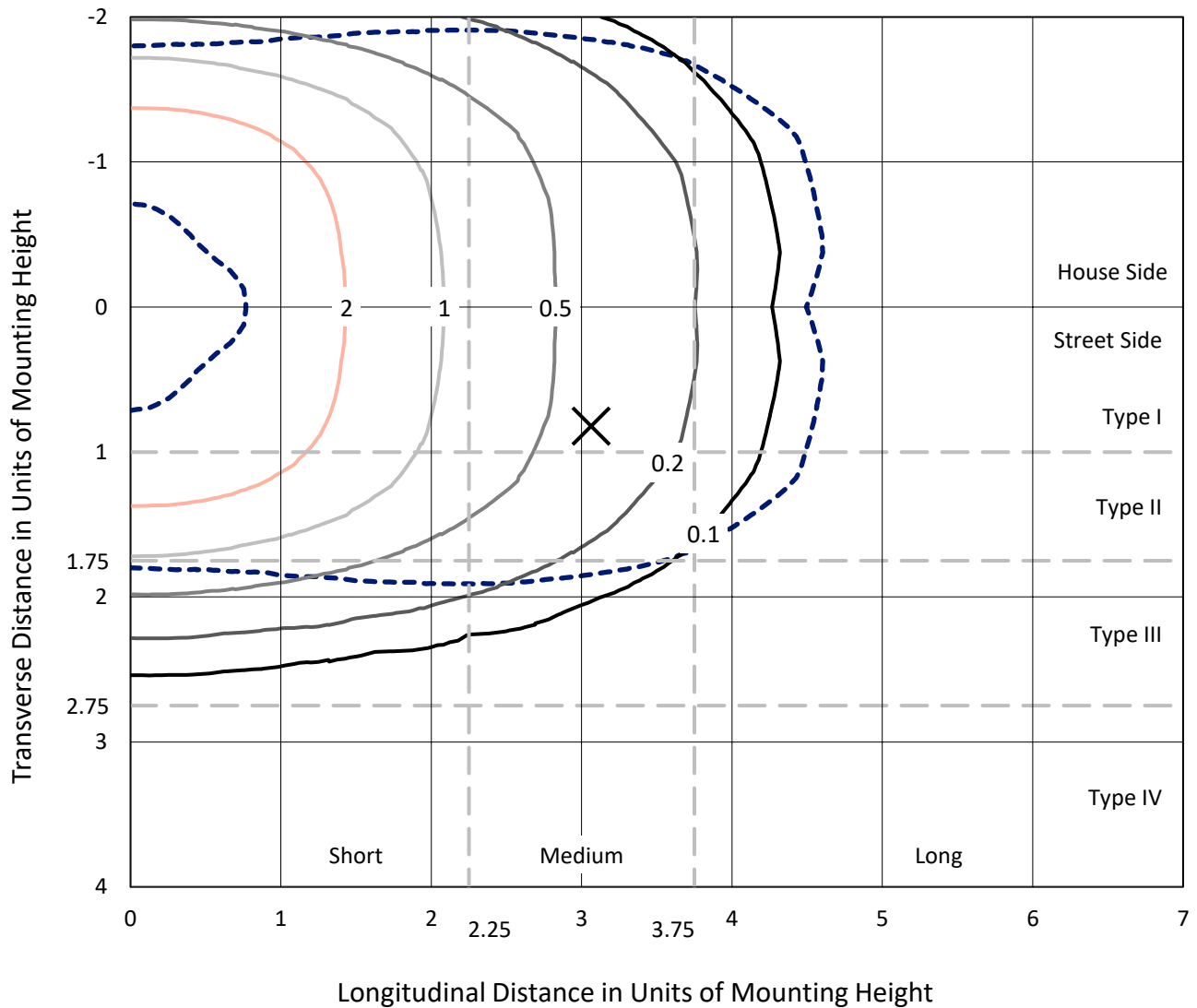
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

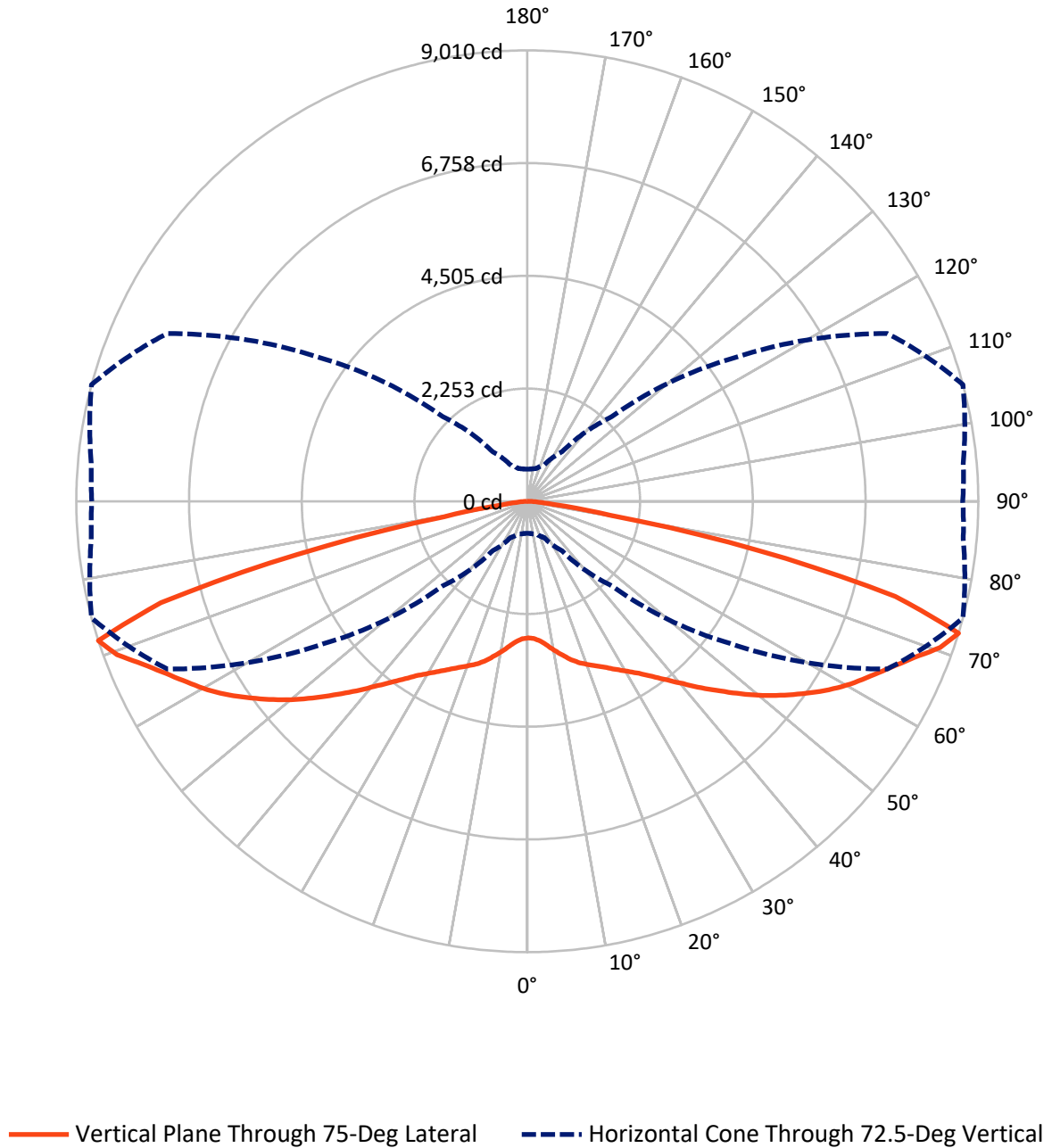
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12740.0	0.0	12740.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12740.0	0.0	12740.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	25480.0	0.0	25480.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.4	1.0
10°-20°	881.8	3.5
20°-30°	1703.9	6.7
30°-40°	2877.2	11.3
40°-50°	4562.9	17.9
50°-60°	6109.2	24.0
60°-70°	5814.0	22.8
70°-80°	3033.9	11.9
80°-90°	229.6	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°	25480.0	100.0
0°-180°	25480.0	100.0

Coefficient of Utilization



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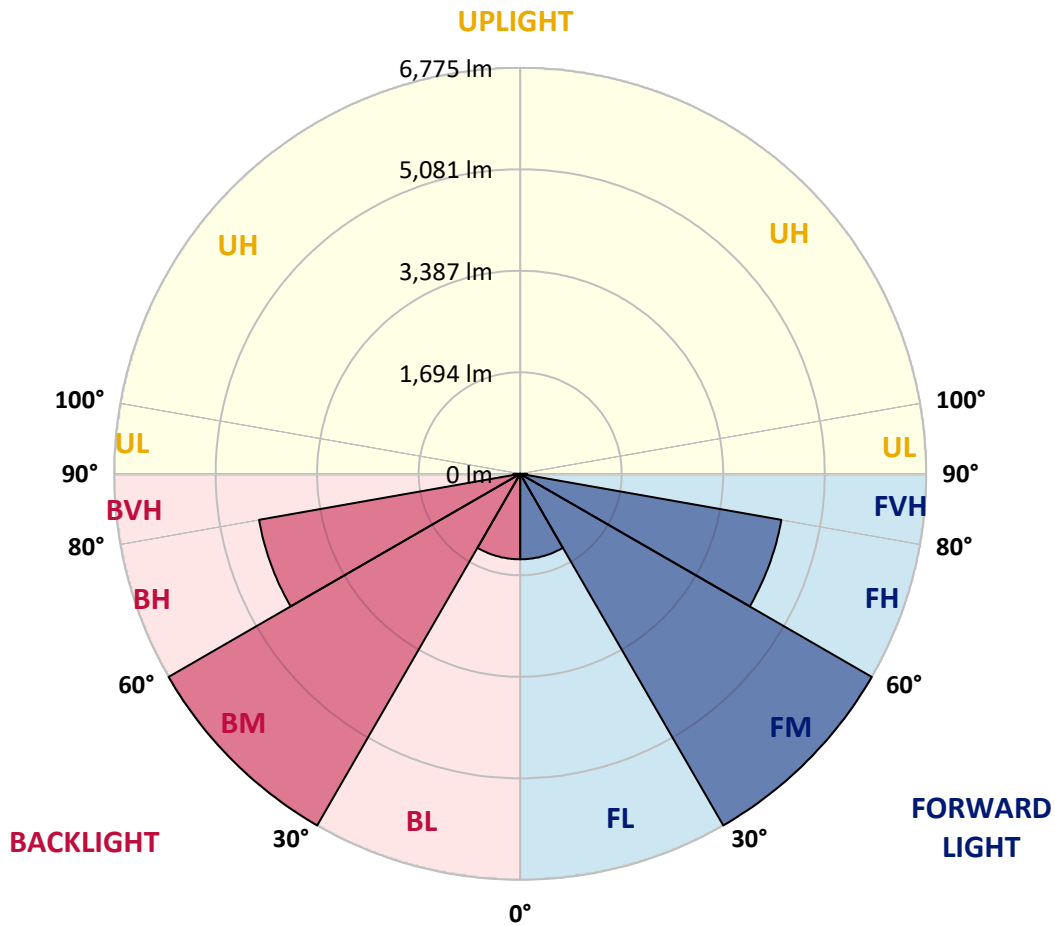
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1426.6	5.6			
FM (30°-60°)	6774.7	26.6			
FH (60°-80°)	4423.9	17.4			G2/5000
FVH (80°-90°)	114.8	0.5			G2/225
BL (0°-30°)	1426.6	5.6	B3/2500		
BM (30°-60°)	6774.7	26.6	B4/8500		
BH (60°-80°)	4423.9	17.4	B4/5000		G4/5000
BVH (80°-90°)	114.8	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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2729.4	2729.4	2729.4	2729.4	2729.4	2729.4	2729.4	2729.4	2729.4	2729.4
2.5°	2729.4	2726.8	2729.4	2732.0	2730.7	2730.7	2737.2	2741.1	2748.9	2747.6
5°	2711.2	2709.9	2720.3	2732.0	2741.1	2756.7	2776.2	2790.5	2808.7	2812.6
7.5°	2702.0	2698.1	2716.4	2737.2	2765.8	2804.8	2842.5	2881.6	2912.8	2923.2
10°	2708.5	2709.9	2734.6	2773.6	2819.1	2873.8	2927.1	2993.5	3037.7	3048.1
12.5°	2738.5	2735.9	2777.5	2839.9	2902.4	2971.3	3033.8	3106.6	3154.8	3179.5
15°	2793.1	2787.9	2846.4	2938.8	3029.9	3110.5	3161.3	3230.2	3286.2	3317.4
17.5°	2858.2	2860.8	2937.5	3057.2	3176.9	3268.0	3316.1	3351.2	3394.1	3421.5
20°	2972.6	2977.8	3063.7	3205.5	3342.1	3446.2	3485.2	3472.2	3483.9	3504.7
22.5°	3126.1	3128.8	3225.0	3378.5	3521.6	3636.1	3662.1	3608.8	3576.3	3590.6
25°	3304.4	3321.3	3417.6	3575.0	3722.0	3831.3	3843.0	3762.3	3681.6	3685.6
27.5°	3521.6	3537.2	3634.8	3790.9	3940.5	4035.5	4034.2	3926.2	3807.8	3777.9
30°	3757.1	3774.0	3874.2	4035.5	4174.7	4258.0	4239.8	4111.0	3941.8	3885.9
32.5°	4036.8	4047.2	4148.7	4310.0	4438.8	4505.1	4467.4	4308.7	4097.9	4034.2
35°	4375.0	4390.7	4466.1	4618.3	4731.5	4786.1	4722.4	4535.1	4298.3	4226.7
37.5°	4761.4	4751.0	4836.9	4972.2	5065.8	5099.7	5012.5	4790.0	4527.3	4442.7
40°	5164.7	5159.5	5253.2	5383.3	5434.0	5454.8	5326.0	5082.8	4791.3	4700.3
42.5°	5530.3	5526.4	5652.6	5797.0	5858.1	5834.7	5672.1	5393.7	5097.1	4993.0
45°	5823.0	5817.8	5972.6	6175.5	6295.2	6256.2	6037.6	5737.1	5406.7	5298.7
47.5°	6048.1	6050.7	6217.2	6468.3	6677.7	6692.0	6411.0	6087.1	5747.5	5625.2
50°	6210.7	6218.5	6396.7	6675.1	6961.3	7087.5	6792.2	6446.1	6100.1	5962.2
52.5°	6251.0	6265.3	6480.0	6806.5	7143.4	7384.1	7179.9	6790.9	6434.4	6303.0
55°	6036.3	6065.0	6336.9	6796.1	7255.3	7579.3	7520.7	7140.8	6771.4	6636.1
57.5°	5543.3	5583.6	5901.0	6500.8	7230.6	7713.3	7784.8	7476.5	7108.3	6978.2
60°	4852.5	4900.6	5205.0	5859.4	6882.0	7762.7	7970.8	7803.0	7417.9	7291.7
62.5°	3810.4	3872.9	4237.1	5004.7	6145.6	7532.4	8129.6	8098.3	7696.3	7538.9
65°	2444.5	2510.8	2894.6	3801.3	5163.4	6827.3	8179.0	8385.8	7990.4	7770.5
67.5°	1474.0	1503.9	1693.8	2304.0	3774.0	5764.4	7760.1	8704.6	8333.8	8060.6
70°	943.2	960.1	1073.3	1353.0	2133.5	4205.9	6721.9	8764.4	8750.1	8358.5
72.5°	640.1	645.3	675.2	801.4	1207.3	2389.8	4957.9	7934.4	9010.3	8742.3
75°	468.3	497.0	545.1	567.2	685.6	1194.3	2841.2	5574.5	7593.6	7710.6
77.5°	348.7	350.0	416.3	442.3	489.2	636.2	1202.1	3111.8	4714.6	4950.1
80°	295.3	279.7	278.4	356.5	368.2	396.8	537.3	1074.6	1688.6	1023.8
82.5°	245.9	229.0	206.8	278.4	251.1	243.3	232.9	437.1	537.3	264.1
85°	171.7	163.9	156.1	182.1	143.1	122.3	111.9	204.2	226.4	111.9
87.5°	74.2	76.8	78.1	80.7	59.8	42.9	42.9	57.2	57.2	44.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2729.4
2746.3
2812.6
2925.8
3058.5
3189.9
3329.1
3434.5
3520.3
3601.0
3692.1
3787.0
3892.4
4049.8
4237.1
4458.3
4730.2
5019.0
5323.4
5661.7
6003.8
6336.9
6673.8
7008.1
7319.1
7557.1
7797.8
8081.4
8355.9
8700.7
7427.0
4415.4
774.1
225.1
98.9
32.5
0.0

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