

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: P948509

Luminaire Tested: **GALN-SB3C-750-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948509
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-SB3C-750-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24480 lumens
Efficiency: N/A
Efficacy: 164.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

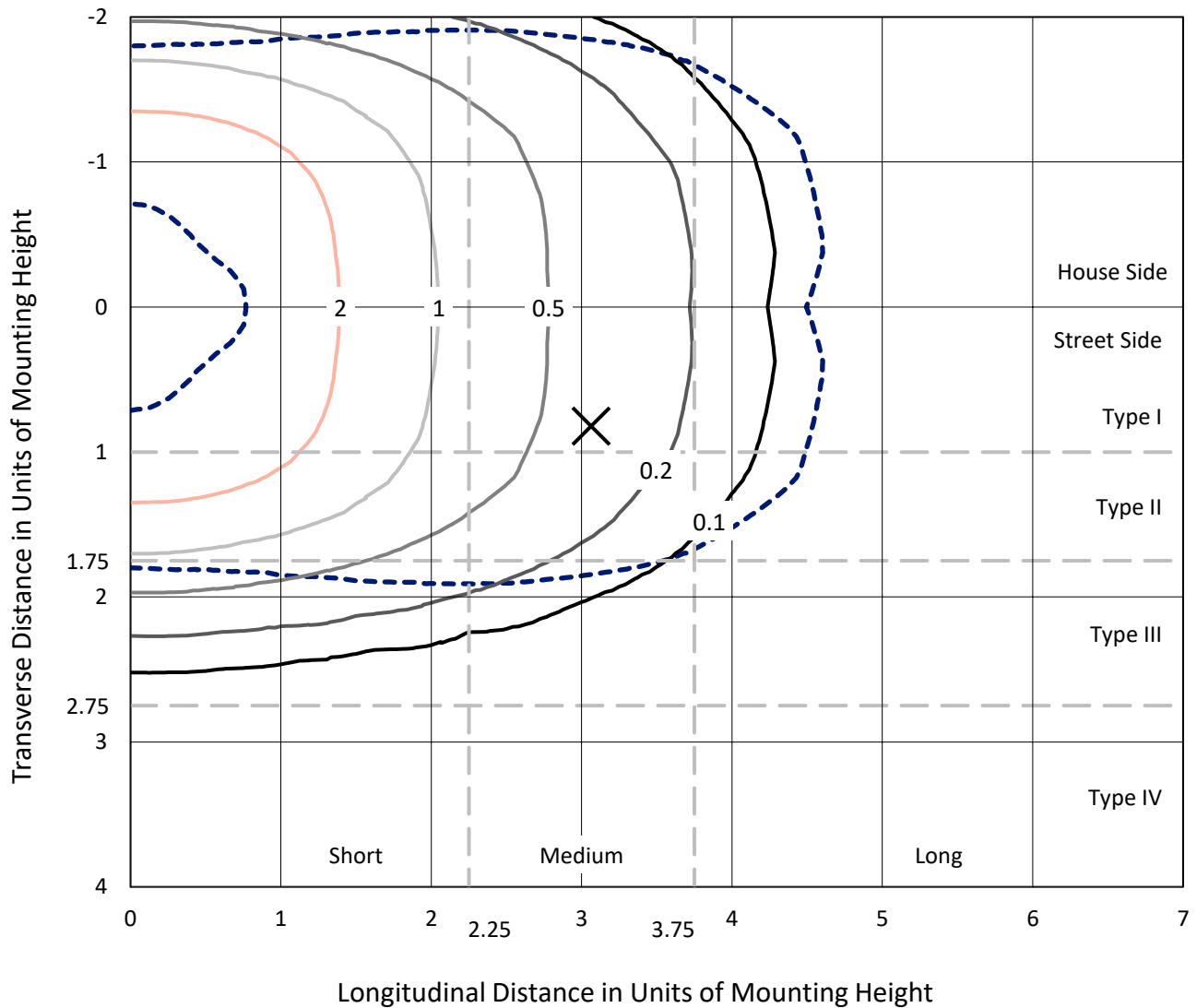
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

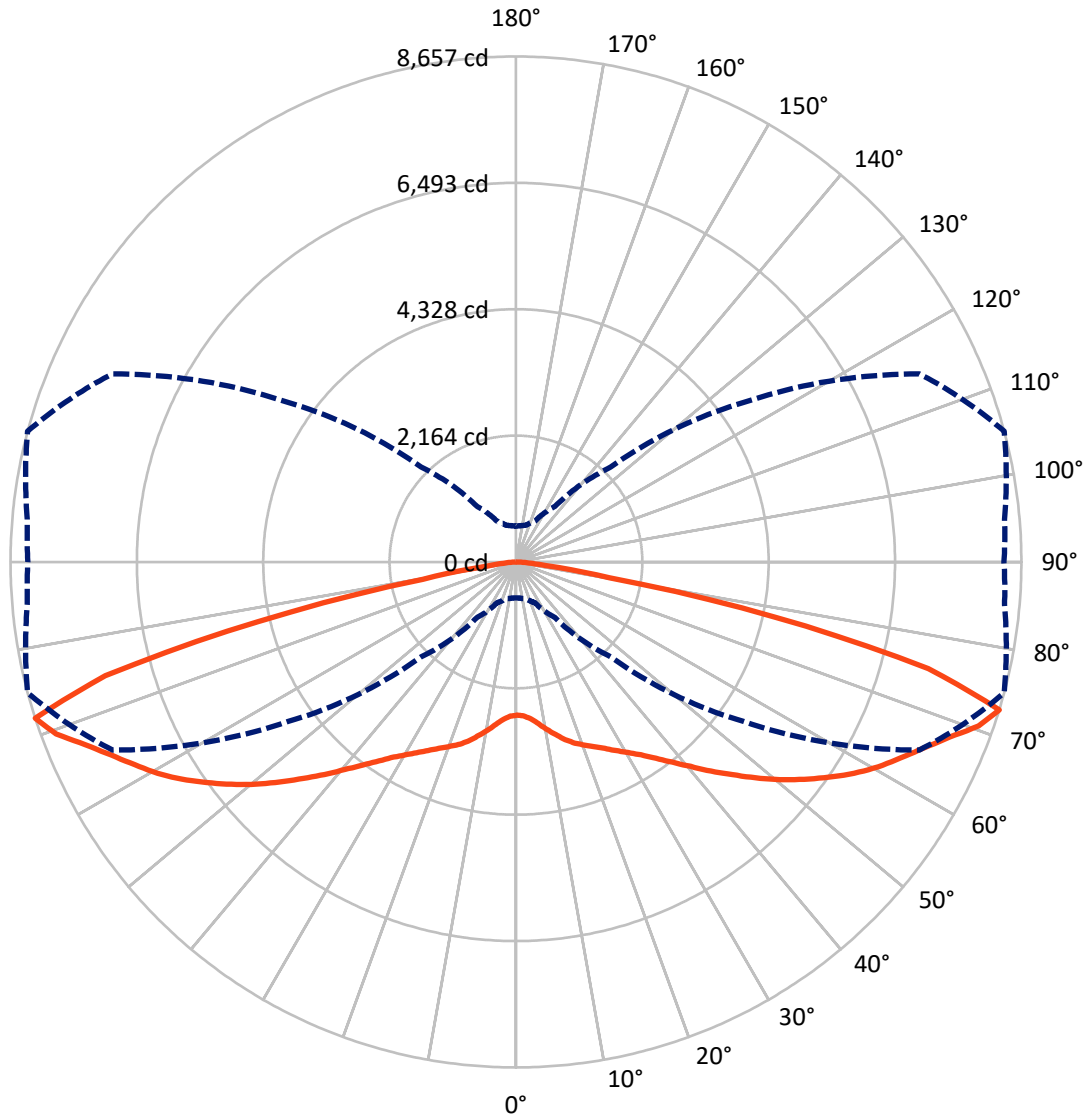
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12240.0	0.0	12240.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12240.0	0.0	12240.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24480.0	0.0	24480.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.9	1.0
10°-20°	847.2	3.5
20°-30°	1637.1	6.7
30°-40°	2764.3	11.3
40°-50°	4383.9	17.9
50°-60°	5869.5	24.0
60°-70°	5585.8	22.8
70°-80°	2914.8	11.9
80°-90°	220.6	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°	24480.0	100.0
0°-180°	24480.0	100.0

Coefficient of Utilization



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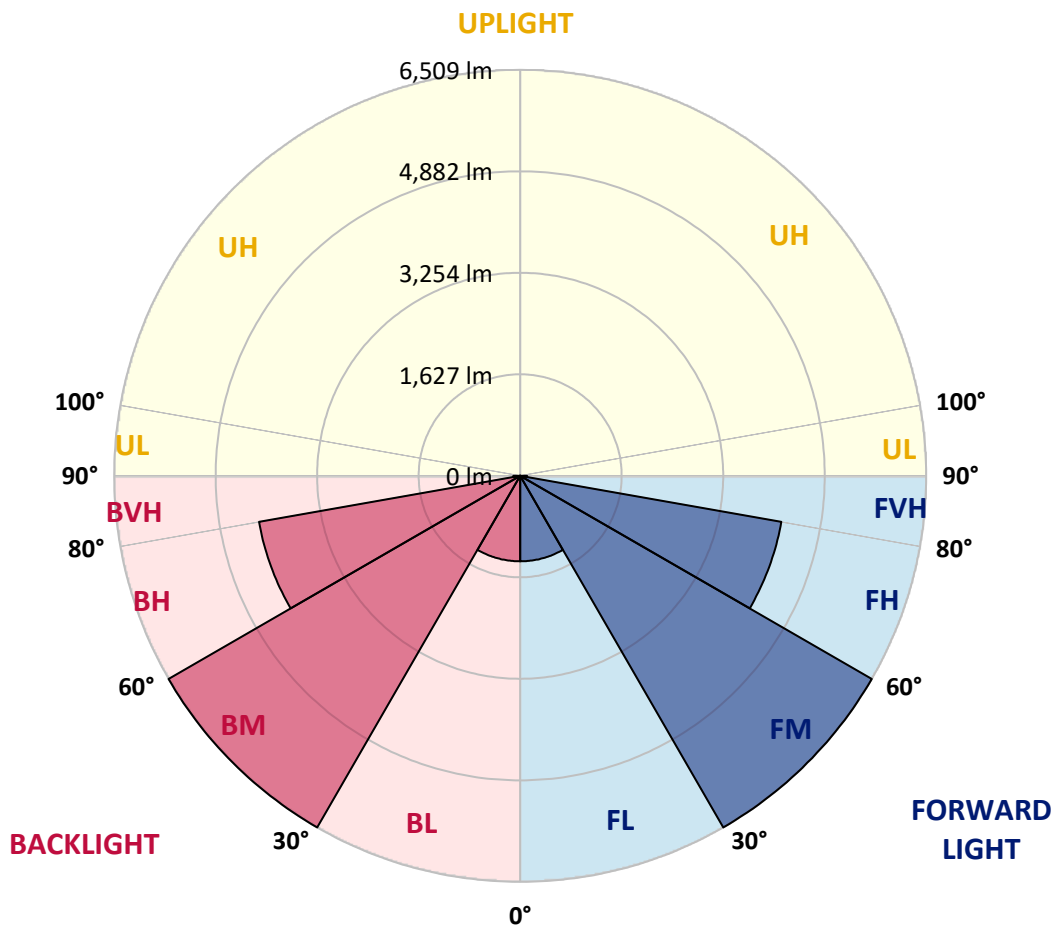
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1370.6	5.6			
FM (30°-60°)	6508.8	26.6			
FH (60°-80°)	4250.3	17.4			G2/5000
FVH (80°-90°)	110.3	0.5			G2/225
BL (0°-30°)	1370.6	5.6	B3/2500		
BM (30°-60°)	6508.8	26.6	B4/8500		
BH (60°-80°)	4250.3	17.4	B4/5000		G4/5000
BVH (80°-90°)	110.3	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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2622.2	2622.2	2622.2	2622.2	2622.2	2622.2	2622.2	2622.2	2622.2	2622.2
2.5°	2622.2	2619.7	2622.2	2624.7	2623.5	2623.5	2629.7	2633.5	2641.0	2639.7
5°	2604.7	2603.5	2613.5	2624.7	2633.5	2648.5	2667.2	2681.0	2698.5	2702.2
7.5°	2596.0	2592.2	2609.7	2629.7	2657.2	2694.7	2731.0	2768.5	2798.5	2808.5
10°	2602.2	2603.5	2627.2	2664.7	2708.5	2761.0	2812.2	2876.0	2918.5	2928.5
12.5°	2631.0	2628.5	2668.5	2728.5	2788.5	2854.7	2914.7	2984.7	3031.0	3054.7
15°	2683.5	2678.5	2734.7	2823.5	2911.0	2988.5	3037.2	3103.4	3157.2	3187.2
17.5°	2746.0	2748.5	2822.2	2937.2	3052.2	3139.7	3185.9	3219.7	3260.9	3287.2
20°	2856.0	2861.0	2943.5	3079.7	3210.9	3310.9	3348.4	3335.9	3347.2	3367.2
22.5°	3003.5	3006.0	3098.5	3245.9	3383.4	3493.4	3518.4	3467.2	3435.9	3449.7
25°	3174.7	3190.9	3283.4	3434.7	3575.9	3680.9	3692.1	3614.7	3537.2	3540.9
27.5°	3383.4	3398.4	3492.2	3642.1	3785.9	3877.1	3875.9	3772.1	3658.4	3629.6
30°	3609.7	3625.9	3722.1	3877.1	4010.9	4090.9	4073.4	3949.6	3787.1	3733.4
32.5°	3878.4	3888.4	3985.9	4140.8	4264.6	4328.3	4292.1	4139.6	3937.1	3875.9
35°	4203.3	4218.3	4290.8	4437.1	4545.8	4598.3	4537.1	4357.1	4129.6	4060.9
37.5°	4574.6	4564.6	4647.1	4777.0	4867.0	4899.5	4815.8	4602.1	4349.6	4268.3
40°	4962.0	4957.0	5047.0	5172.0	5220.7	5240.7	5117.0	4883.3	4603.3	4515.8
42.5°	5313.2	5309.5	5430.7	5569.5	5628.2	5605.7	5449.5	5182.0	4897.0	4797.0
45°	5594.5	5589.5	5738.2	5933.2	6048.2	6010.7	5800.7	5512.0	5194.5	5090.8
47.5°	5810.7	5813.2	5973.2	6214.4	6415.6	6429.4	6159.4	5848.2	5522.0	5404.5
50°	5966.9	5974.4	6145.7	6413.1	6688.1	6809.3	6525.6	6193.2	5860.7	5728.2
52.5°	6005.7	6019.4	6225.6	6539.4	6863.1	7094.3	6898.1	6524.4	6181.9	6055.7
55°	5799.4	5826.9	6088.2	6529.4	6970.6	7281.8	7225.6	6860.6	6505.6	6375.6
57.5°	5325.7	5364.5	5669.5	6245.6	6946.8	7410.5	7479.3	7183.1	6829.3	6704.4
60°	4662.0	4708.3	5000.8	5629.5	6611.9	7458.0	7658.0	7496.8	7126.8	7005.6
62.5°	3660.9	3720.9	4070.9	4808.3	5904.4	7236.8	7810.5	7780.5	7394.3	7243.0
65°	2348.5	2412.3	2781.0	3652.1	4960.8	6559.4	7858.0	8056.7	7676.8	7465.5
67.5°	1416.1	1444.9	1627.3	2213.5	3625.9	5538.2	7455.5	8362.9	8006.7	7744.3
70°	906.2	922.4	1031.2	1299.9	2049.8	4040.9	6458.1	8420.4	8406.7	8030.5
72.5°	614.9	619.9	648.7	769.9	1159.9	2296.0	4763.3	7623.0	8656.7	8399.2
75°	450.0	477.5	523.7	544.9	658.7	1147.4	2729.7	5355.7	7295.5	7408.0
77.5°	335.0	336.2	400.0	425.0	470.0	611.2	1154.9	2989.7	4529.6	4755.8
80°	283.7	268.7	267.5	342.5	353.7	381.2	516.2	1032.4	1622.3	983.7
82.5°	236.2	220.0	198.7	267.5	241.2	233.7	223.7	420.0	516.2	253.7
85°	165.0	157.5	150.0	175.0	137.5	117.5	107.5	196.2	217.5	107.5
87.5°	71.2	73.7	75.0	77.5	57.5	41.2	41.2	55.0	55.0	42.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2622.2
2638.5
2702.2
2811.0
2938.5
3064.7
3198.4
3299.7
3382.2
3459.7
3547.2
3638.4
3739.6
3890.9
4070.9
4283.3
4544.6
4822.0
5114.5
5439.5
5768.2
6088.2
6411.9
6733.1
7031.8
7260.5
7491.8
7764.2
8028.0
8359.2
7135.6
4242.1
743.7
216.2
95.0
31.2
0.0

OF REPORT)