

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: P951008

Luminaire Tested: **GALN-SB5B-750-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951008
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-SB5B-750-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30989 lumens
Efficiency: N/A
Efficacy: 169.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

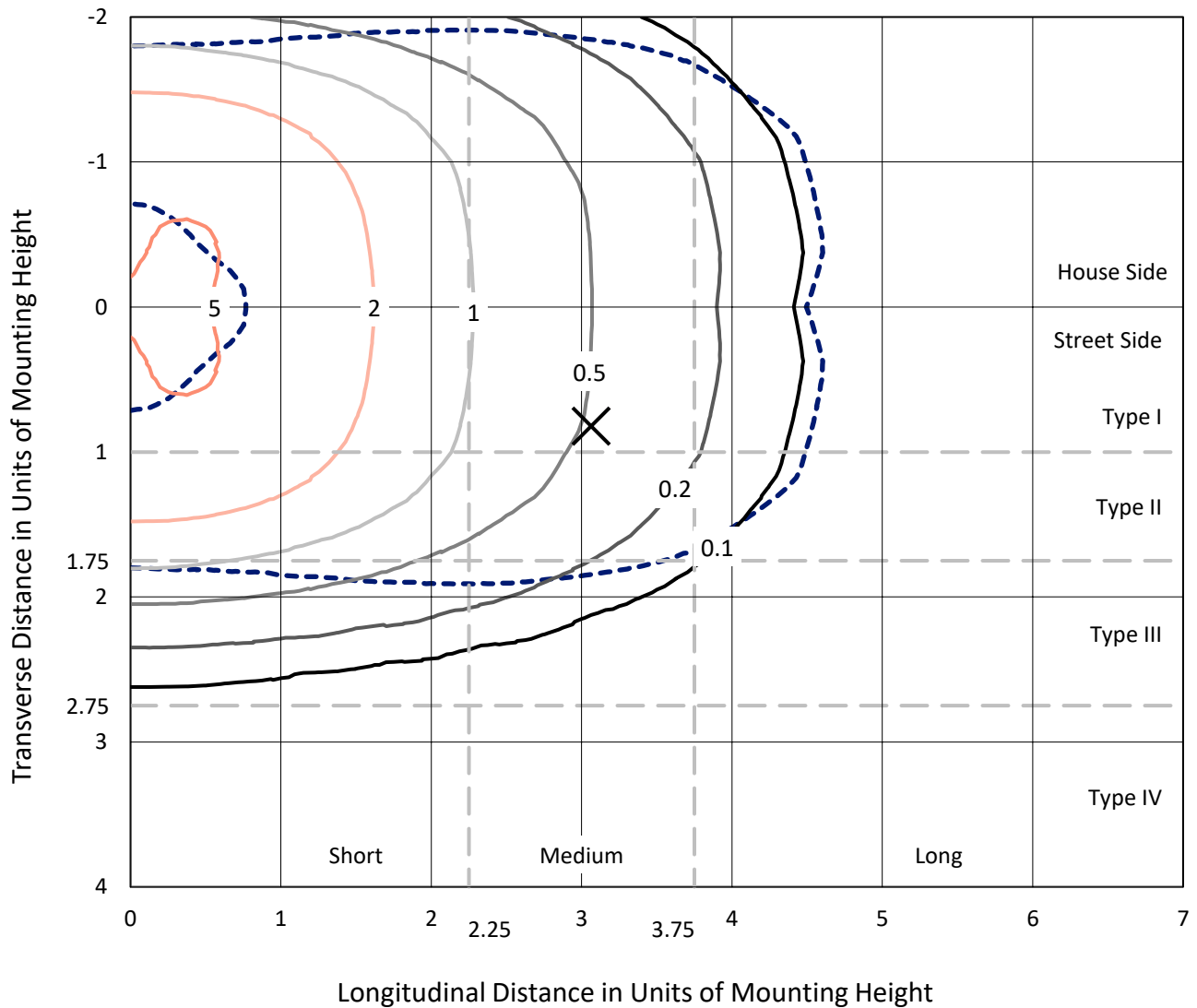
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

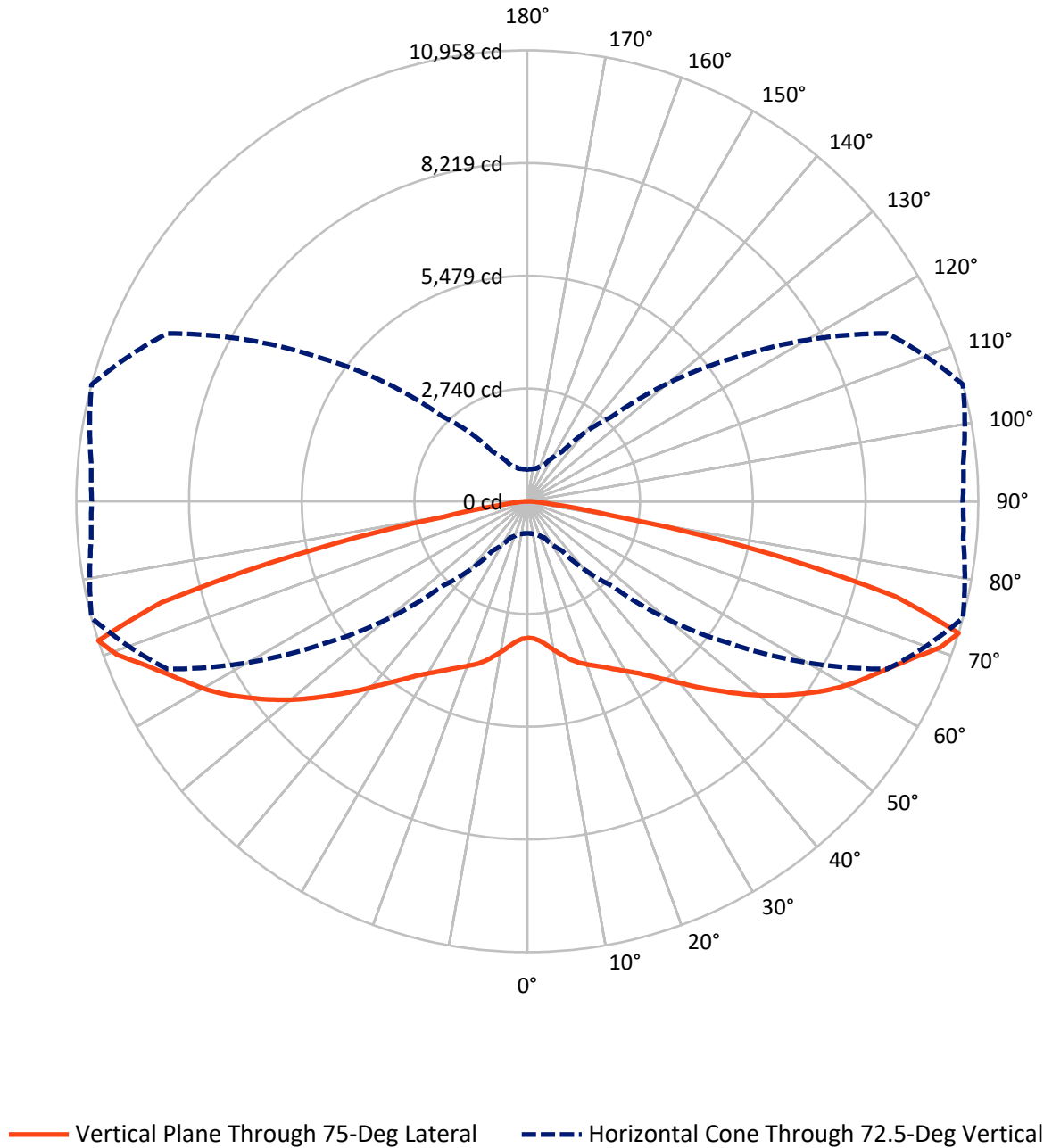
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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	15494.5	0.0	15494.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15494.5	0.0	15494.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	30989.0	0.0	30989.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.2	1.0
10°-20°	1072.5	3.5
20°-30°	2072.3	6.7
30°-40°	3499.3	11.3
40°-50°	5549.5	17.9
50°-60°	7430.1	24.0
60°-70°	7071.1	22.8
70°-80°	3689.8	11.9
80°-90°	279.3	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°	30989.0	100.0
0°-180°	30989.0	100.0

Coefficient of Utilization



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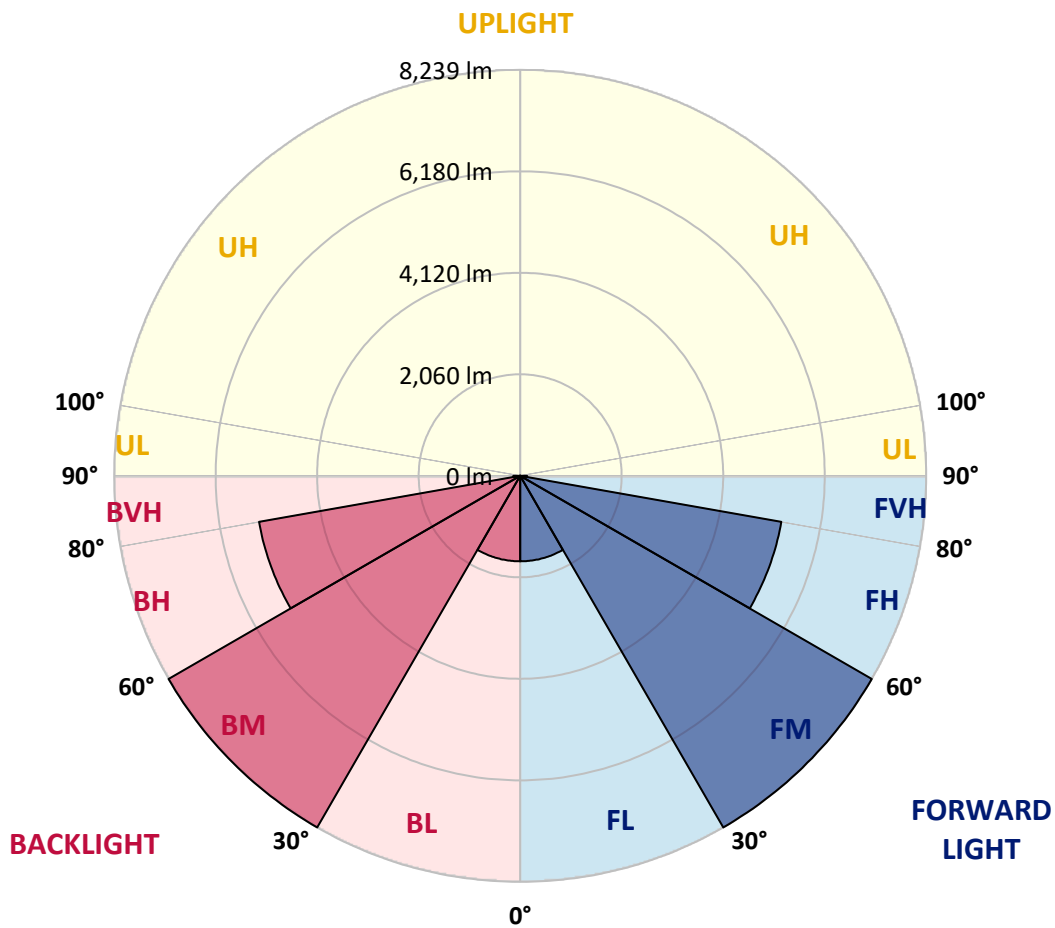
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1735.0	5.6			
FM (30°-60°)	8239.4	26.6			
FH (60°-80°)	5380.4	17.4			G3/7500
FVH (80°-90°)	139.7	0.5			G2/225
BL (0°-30°)	1735.0	5.6	B3/2500		
BM (30°-60°)	8239.4	26.6	B4/8500		
BH (60°-80°)	5380.4	17.4	B5		G5
BVH (80°-90°)	139.7	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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3319.5	3319.5	3319.5	3319.5	3319.5	3319.5	3319.5	3319.5	3319.5	3319.5
2.5°	3319.5	3316.3	3319.5	3322.6	3321.1	3321.1	3329.0	3333.7	3343.2	3341.6
5°	3297.3	3295.7	3308.4	3322.6	3333.7	3352.7	3376.4	3393.8	3416.0	3420.7
7.5°	3286.3	3281.5	3303.7	3329.0	3363.8	3411.2	3457.1	3504.6	3542.6	3555.2
10°	3294.2	3295.7	3325.8	3373.3	3428.6	3495.1	3560.0	3640.7	3694.5	3707.1
12.5°	3330.6	3327.4	3378.0	3454.0	3529.9	3613.8	3689.7	3778.3	3836.9	3866.9
15°	3397.0	3390.7	3461.9	3574.2	3685.0	3783.1	3844.8	3928.6	3996.7	4034.6
17.5°	3476.1	3479.3	3572.6	3718.2	3863.8	3974.5	4033.1	4075.8	4128.0	4161.2
20°	3615.3	3621.7	3726.1	3898.6	4064.7	4191.3	4238.7	4222.9	4237.2	4262.5
22.5°	3802.1	3805.2	3922.3	4109.0	4283.0	4422.3	4453.9	4389.1	4349.5	4366.9
25°	4018.8	4039.4	4156.5	4347.9	4526.7	4659.6	4673.8	4575.8	4477.7	4482.4
27.5°	4283.0	4302.0	4420.7	4610.6	4792.5	4908.0	4906.4	4775.1	4631.1	4594.7
30°	4569.4	4590.0	4711.8	4908.0	5077.3	5178.6	5156.4	4999.8	4794.1	4726.1
32.5°	4909.6	4922.3	5045.7	5241.9	5398.5	5479.2	5433.3	5240.3	4984.0	4906.4
35°	5321.0	5340.0	5431.7	5616.8	5754.5	5821.0	5743.4	5515.6	5227.6	5140.6
37.5°	5790.9	5778.2	5882.7	6047.2	6161.1	6202.3	6096.3	5825.7	5506.1	5403.2
40°	6281.4	6275.0	6389.0	6547.2	6608.9	6634.2	6477.6	6181.7	5827.3	5716.5
42.5°	6726.0	6721.2	6874.7	7050.3	7124.7	7096.2	6898.4	6559.8	6199.1	6072.5
45°	7082.0	7075.6	7263.9	7510.8	7656.3	7608.8	7343.0	6977.5	6575.7	6444.3
47.5°	7355.7	7358.9	7561.4	7866.7	8121.5	8138.9	7797.1	7403.2	6990.2	6841.5
50°	7553.5	7563.0	7779.7	8118.3	8466.4	8619.9	8260.7	7839.9	7419.0	7251.3
52.5°	7602.5	7619.9	7881.0	8278.1	8687.9	8980.6	8732.2	8259.1	7825.6	7665.8
55°	7341.5	7376.3	7706.9	8265.5	8824.0	9218.0	9146.8	8684.8	8235.4	8070.9
57.5°	6741.8	6790.8	7176.9	7906.3	8793.9	9380.9	9467.9	9093.0	8645.2	8487.0
60°	5901.6	5960.2	6330.4	7126.3	8369.9	9441.0	9694.2	9490.1	9021.8	8868.3
62.5°	4634.3	4710.2	5153.3	6086.8	7474.4	9161.0	9887.2	9849.3	9360.4	9168.9
65°	2973.0	3053.7	3520.4	4623.2	6279.8	8303.4	9947.4	10198.9	9717.9	9450.5
67.5°	1792.6	1829.0	2060.0	2802.1	4590.0	7010.8	9437.9	10586.6	10135.6	9803.4
70°	1147.1	1167.7	1305.3	1645.5	2594.8	5115.3	8175.3	10659.3	10641.9	10165.7
72.5°	778.4	784.8	821.2	974.6	1468.3	2906.5	6029.8	9649.9	10958.4	10632.5
75°	569.6	604.4	662.9	689.8	833.8	1452.5	3455.5	6779.8	9235.4	9377.8
77.5°	424.0	425.6	506.3	538.0	594.9	773.7	1462.0	3784.6	5733.9	6020.3
80°	359.2	340.2	338.6	433.5	447.8	482.6	653.5	1306.9	2053.7	1245.2
82.5°	299.0	278.5	251.6	338.6	305.4	295.9	283.2	531.6	653.5	321.2
85°	208.9	199.4	189.9	221.5	174.0	148.7	136.1	248.4	275.3	136.1
87.5°	90.2	93.4	94.9	98.1	72.8	52.2	52.2	69.6	69.6	53.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3319.5
3340.0
3420.7
3558.4
3719.8
3879.6
4048.9
4177.0
4281.5
4379.6
4490.3
4605.8
4734.0
4925.4
5153.3
5422.2
5752.9
6104.2
6474.4
6885.8
7301.9
7706.9
8116.7
8523.4
8901.5
9191.1
9483.8
9828.7
10162.5
10581.8
9032.8
5370.0
941.4
273.7
120.2
39.6
0.0

OF REPORT)