

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: P952664

Luminaire Tested: **GALN-SB6B-950-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952664
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-950-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24892 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

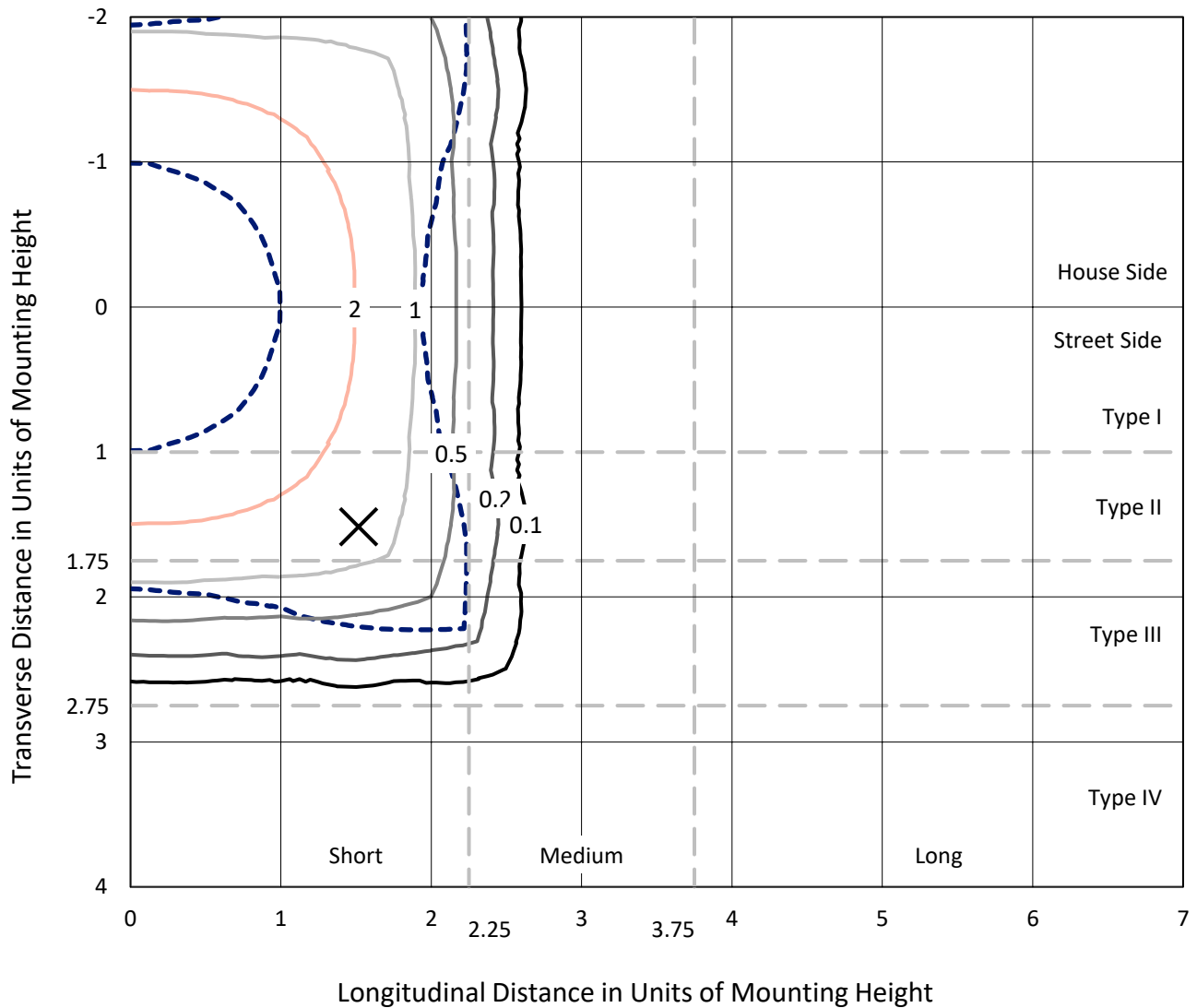
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

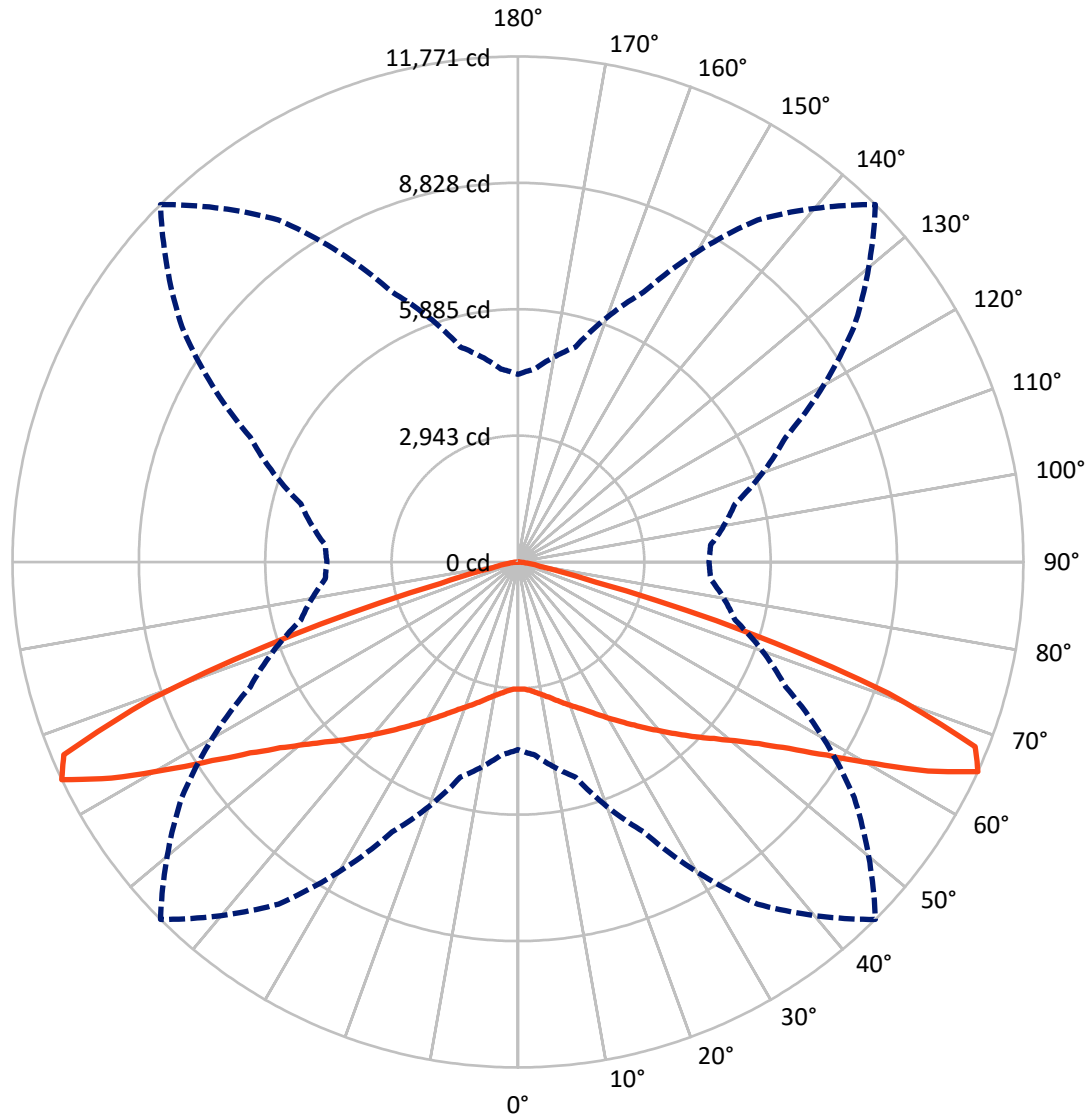
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12446.0	0.0	12446.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12446.0	0.0	12446.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24892.0	0.0	24892.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.4	1.2
10°-20°	954.0	3.8
20°-30°	1801.2	7.2
30°-40°	2949.5	11.8
40°-50°	4573.2	18.4
50°-60°	6755.6	27.1
60°-70°	6430.7	25.8
70°-80°	1037.7	4.2
80°-90°	97.8	0.4
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°	24892.0	100.0
0°-180°	24892.0	100.0

Coefficient of Utilization



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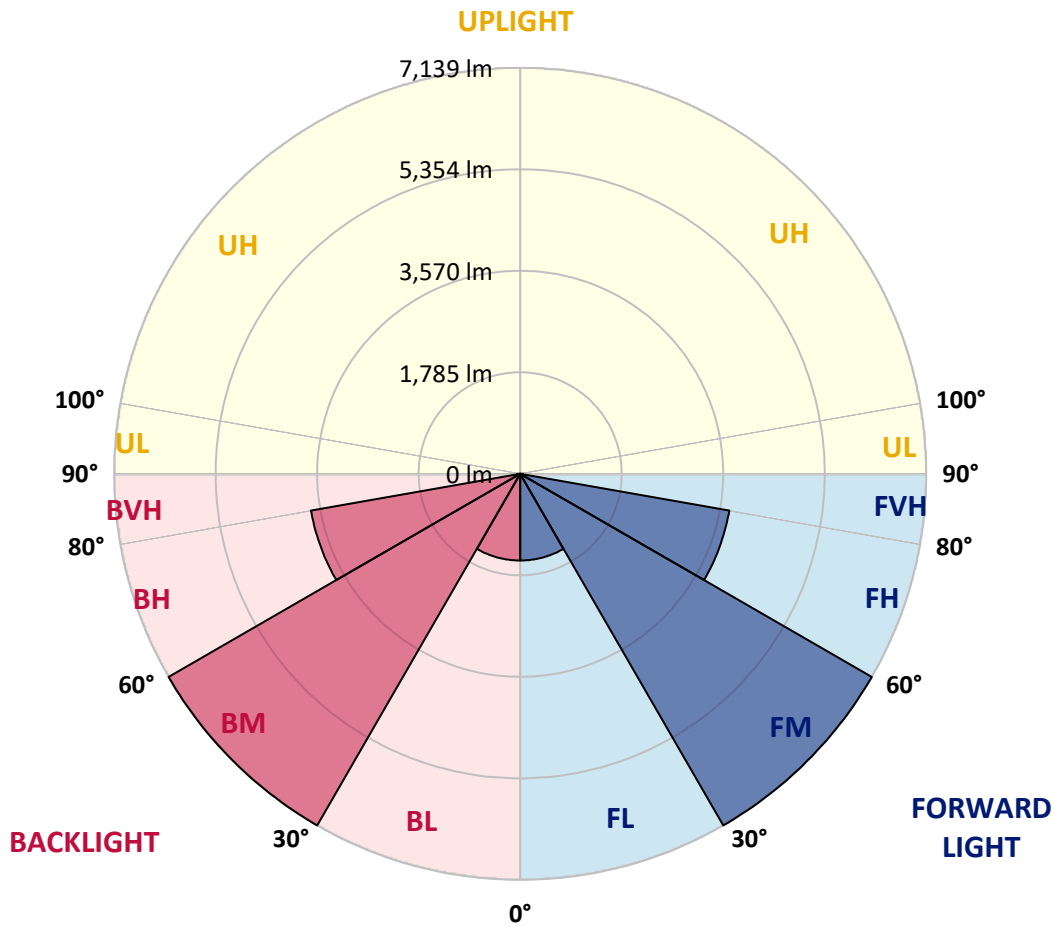
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1523.8	6.1			
FM (30°-60°)	7139.1	28.7			
FH (60°-80°)	3734.2	15.0			G2/5000
FVH (80°-90°)	48.9	0.2			G1/100
BL (0°-30°)	1523.8	6.1	B3/2500		
BM (30°-60°)	7139.1	28.7	B4/8500		
BH (60°-80°)	3734.2	15.0	B4/5000		G2/5000
BVH (80°-90°)	48.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2962.4	2962.4	2962.4	2962.4	2962.4	2962.4	2962.4	2962.4	2962.4	2962.4
2.5°	2982.4	2972.4	2979.9	2973.6	2968.6	2963.6	2966.1	2974.9	2978.6	2979.9
5°	3022.3	3013.6	3017.3	3017.3	3008.6	3006.1	3007.4	3013.6	3021.1	3021.1
7.5°	3087.3	3078.5	3087.3	3082.3	3074.8	3072.3	3071.1	3076.0	3087.3	3087.3
10°	3166.0	3156.0	3161.0	3158.5	3149.7	3146.0	3144.7	3152.2	3162.2	3161.0
12.5°	3252.1	3240.9	3247.1	3239.7	3237.2	3233.4	3233.4	3232.2	3238.4	3233.4
15°	3348.3	3340.8	3343.3	3338.3	3342.1	3339.6	3329.6	3324.6	3327.1	3319.6
17.5°	3462.0	3444.5	3453.2	3450.7	3450.7	3455.7	3439.5	3433.2	3438.2	3430.7
20°	3593.1	3575.6	3579.4	3574.4	3568.1	3573.1	3553.1	3558.1	3561.9	3556.9
22.5°	3736.7	3714.2	3713.0	3715.5	3701.7	3703.0	3689.3	3701.7	3709.2	3695.5
25°	3884.1	3860.4	3876.6	3870.3	3852.9	3856.6	3846.6	3859.1	3865.4	3847.9
27.5°	4040.2	4024.0	4039.0	4042.7	4021.5	4036.5	4021.5	4032.7	4039.0	4012.7
30°	4222.5	4206.3	4220.0	4230.0	4205.1	4228.8	4216.3	4223.8	4225.0	4193.8
32.5°	4421.1	4396.1	4431.1	4436.1	4408.6	4437.4	4421.1	4431.1	4437.4	4394.9
35°	4663.4	4632.2	4672.1	4665.9	4642.2	4665.9	4650.9	4665.9	4680.9	4629.7
37.5°	4924.4	4892.0	4934.4	4923.2	4900.7	4916.9	4908.2	4918.2	4941.9	4887.0
40°	5211.7	5171.7	5229.2	5209.2	5187.9	5185.4	5190.4	5196.7	5227.9	5166.7
42.5°	5518.9	5476.4	5562.6	5531.4	5501.4	5481.4	5497.7	5510.2	5540.1	5471.4
45°	5869.8	5821.1	5933.5	5896.1	5848.6	5807.4	5833.6	5852.4	5896.1	5813.6
47.5°	6257.0	6202.1	6321.9	6310.7	6233.3	6143.4	6203.3	6257.0	6289.5	6189.6
50°	6635.4	6593.0	6750.3	6764.1	6669.1	6543.0	6626.7	6707.9	6716.6	6585.5
52.5°	6990.1	6947.6	7176.2	7262.4	7177.4	7027.6	7116.2	7198.7	7132.5	6962.6
55°	7273.6	7238.6	7529.6	7751.9	7780.7	7657.0	7709.5	7707.0	7489.7	7228.6
57.5°	7342.3	7337.3	7704.5	8175.3	8475.1	8490.0	8386.4	8121.6	7653.3	7302.3
60°	7030.1	7061.3	7565.9	8396.4	9195.7	9527.9	9079.5	8323.9	7467.2	6980.1
62.5°	6095.9	6178.3	6786.5	8126.6	9777.7	10721.8	9635.3	8016.7	6702.9	6067.2
65°	4368.7	4512.3	5184.2	6935.2	9725.2	11770.9	9555.4	6879.0	5234.2	4501.0
67.5°	1982.0	2128.1	2698.9	4748.3	8453.8	11486.2	8433.8	4798.3	2833.8	2135.6
70°	718.1	743.1	926.7	1900.8	5402.8	9152.0	5633.8	1914.6	985.4	791.8
72.5°	434.6	438.4	477.1	680.7	1877.1	5556.4	1957.0	703.1	487.1	432.1
75°	276.0	273.5	339.7	415.9	665.7	1874.6	698.1	415.9	338.5	308.5
77.5°	198.6	204.8	243.5	311.0	419.6	635.7	412.1	297.2	243.5	199.8
80°	148.6	152.4	177.3	242.3	294.7	395.9	262.3	219.8	183.6	124.9
82.5°	107.4	107.4	116.1	176.1	179.8	213.6	142.4	154.9	121.1	88.7
85°	63.7	62.4	72.4	104.9	93.7	78.7	64.9	94.9	76.2	55.0
87.5°	22.5	23.7	22.5	30.0	25.0	21.2	20.0	26.2	21.2	18.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2962.4
2979.9
3021.1
3083.5
3158.5
3235.9
3320.8
3437.0
3568.1
3709.2
3867.9
4032.7
4212.5
4423.6
4660.9
4920.7
5186.7
5507.7
5856.1
6223.3
6601.7
6967.6
7237.4
7279.9
6922.7
6029.7
4447.3
2104.4
781.8
439.6
311.0
203.6
128.6
88.7
53.7
17.5
0.0

OF REPORT)