

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: P942440

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942440
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
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-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24028 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

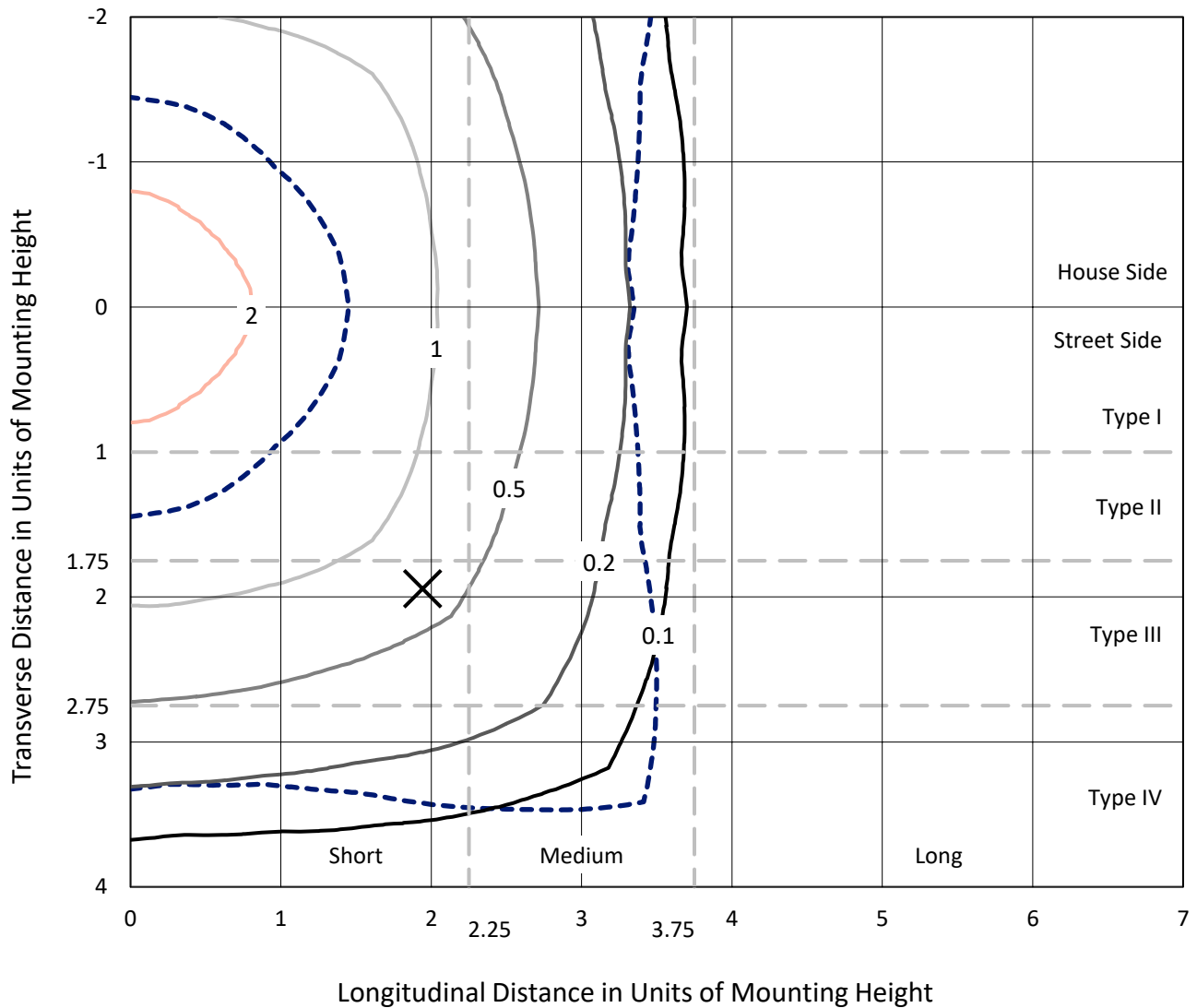
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

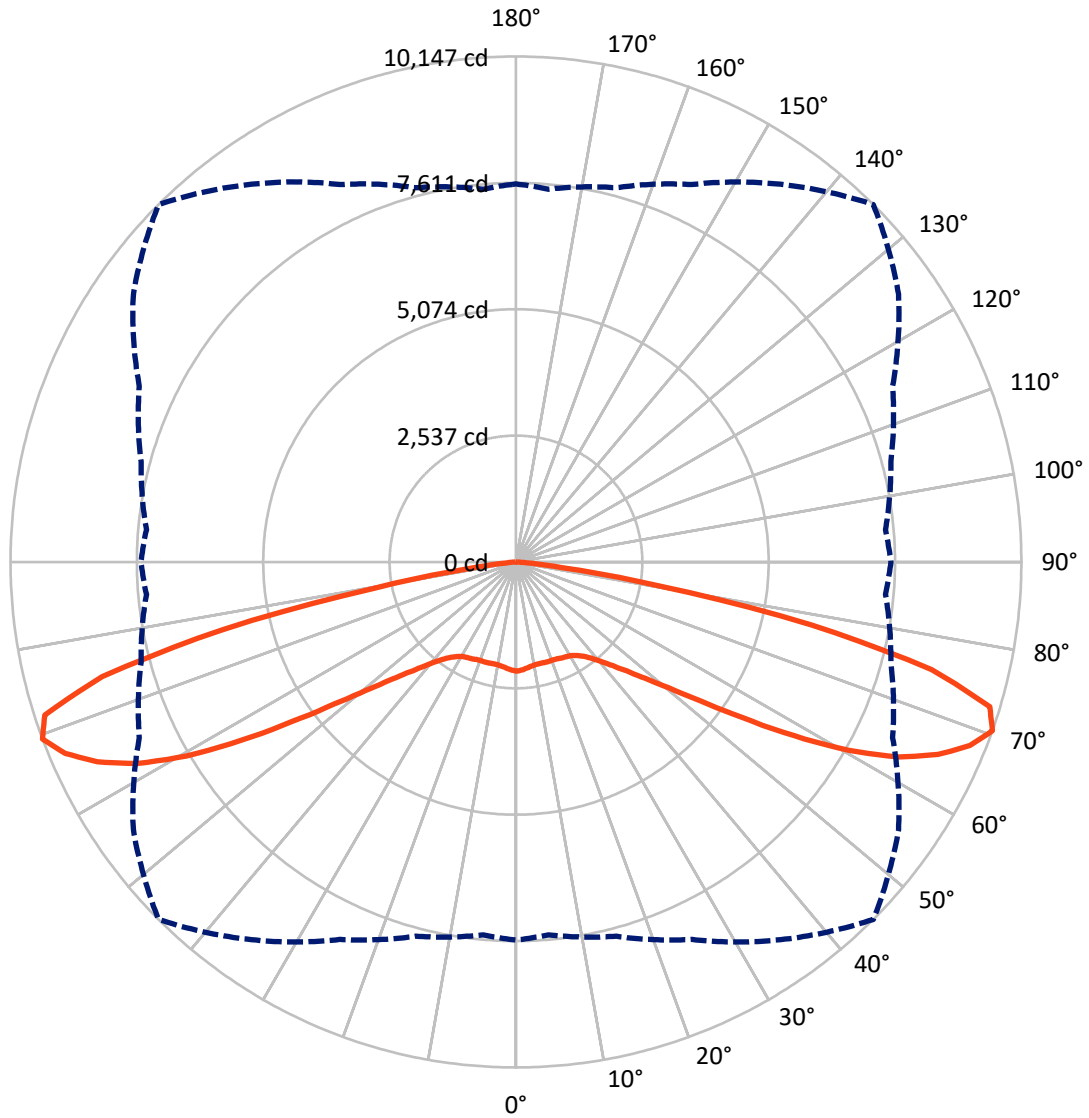
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12014.0	0.0	12014.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12014.0	0.0	12014.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24028.0	0.0	24028.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.9	0.8
10°-20°	598.7	2.5
20°-30°	996.3	4.1
30°-40°	1506.7	6.3
40°-50°	2503.8	10.4
50°-60°	4724.5	19.7
60°-70°	7977.5	33.2
70°-80°	5242.0	21.8
80°-90°	274.6	1.1
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°	24028.0	100.0
0°-180°	24028.0	100.0

Coefficient of Utilization



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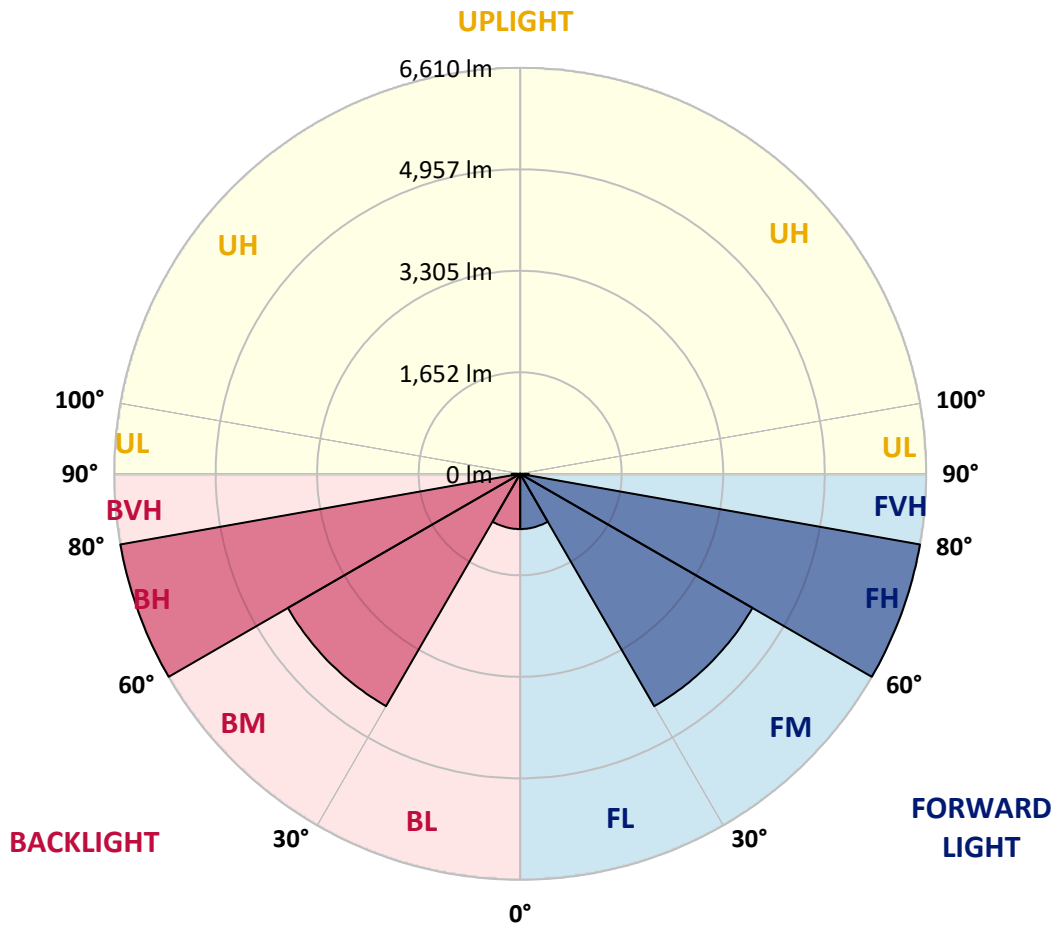
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	899.4	3.7			
FM (30°-60°)	4367.5	18.2			
FH (60°-80°)	6609.8	27.5			G3/7500
FVH (80°-90°)	137.3	0.6			G2/225
BL (0°-30°)	899.4	3.7	B2/1000		
BM (30°-60°)	4367.5	18.2	B3/5000		
BH (60°-80°)	6609.8	27.5	B5		G3/7500
BVH (80°-90°)	137.3	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2191.8	2191.8	2191.8	2191.8	2191.8	2191.8	2191.8	2191.8	2191.8	2191.8
2.5°	2178.1	2184.3	2181.8	2176.9	2176.9	2173.1	2176.9	2179.3	2183.1	2185.6
5°	2149.4	2154.4	2153.1	2149.4	2150.6	2146.9	2149.4	2153.1	2155.6	2156.9
7.5°	2124.4	2129.4	2126.9	2120.6	2120.6	2116.9	2118.2	2121.9	2125.6	2126.9
10°	2118.2	2123.1	2115.7	2105.7	2101.9	2096.9	2098.2	2101.9	2109.4	2113.2
12.5°	2120.6	2124.4	2116.9	2101.9	2098.2	2093.2	2093.2	2096.9	2106.9	2111.9
15°	2128.1	2131.9	2120.6	2104.4	2100.7	2096.9	2095.7	2100.7	2111.9	2120.6
17.5°	2141.9	2145.6	2128.1	2105.7	2100.7	2101.9	2100.7	2104.4	2121.9	2138.1
20°	2154.4	2156.9	2133.1	2105.7	2100.7	2101.9	2100.7	2108.2	2130.6	2153.1
22.5°	2158.1	2160.6	2138.1	2114.4	2110.7	2111.9	2110.7	2118.2	2139.4	2161.9
25°	2159.4	2163.1	2145.6	2126.9	2133.1	2135.6	2133.1	2134.4	2150.6	2170.6
27.5°	2178.1	2183.1	2166.9	2150.6	2154.4	2153.1	2156.9	2160.6	2173.1	2193.1
30°	2216.8	2220.6	2206.8	2190.6	2188.1	2179.3	2190.6	2203.1	2216.8	2234.3
32.5°	2280.5	2288.0	2270.5	2253.0	2241.8	2236.8	2245.5	2266.8	2285.5	2304.2
35°	2386.7	2391.7	2375.4	2343.0	2323.0	2323.0	2330.5	2357.9	2387.9	2411.6
37.5°	2536.5	2542.8	2514.1	2475.3	2445.4	2445.4	2455.4	2484.1	2529.0	2562.8
40°	2718.9	2727.6	2691.4	2651.4	2622.7	2617.7	2630.2	2662.7	2705.1	2747.6
42.5°	2938.7	2948.7	2901.2	2866.2	2843.8	2843.8	2850.0	2880.0	2918.7	2971.2
45°	3219.7	3237.2	3172.2	3137.3	3116.0	3121.0	3124.8	3151.0	3186.0	3245.9
47.5°	3554.4	3571.9	3503.2	3467.0	3463.2	3487.0	3472.0	3490.7	3509.4	3578.1
50°	3934.1	3964.0	3916.6	3914.1	3921.6	3965.3	3930.3	3940.3	3919.1	3962.8
52.5°	4398.7	4442.4	4433.6	4448.6	4532.3	4622.2	4542.3	4507.3	4427.4	4441.1
55°	4961.9	5028.1	5040.6	5130.5	5320.4	5503.9	5334.1	5193.0	5023.1	4991.9
57.5°	5602.6	5655.1	5715.0	5898.6	6253.3	6579.3	6253.3	5941.1	5673.8	5610.1
60°	6292.0	6357.0	6414.4	6685.4	7212.5	7670.8	7202.5	6706.6	6353.2	6267.0
62.5°	7032.6	7116.3	7156.3	7457.2	8071.7	8618.7	8080.4	7479.7	7087.6	6995.1
65°	7743.2	7811.9	7856.9	8177.9	8764.9	9313.1	8804.8	8212.8	7809.4	7688.3
67.5°	8074.2	8111.7	8221.6	8585.0	9204.5	9830.2	9309.4	8623.7	8172.9	7960.6
70°	7589.6	7513.4	7778.2	8360.2	9256.9	10147.4	9376.8	8342.7	7790.7	7446.0
72.5°	5864.9	5733.7	6193.3	7188.7	8657.4	9945.1	8717.4	7244.9	6479.3	5780.0
75°	3191.0	3042.3	3676.8	4935.7	6904.0	8620.0	7062.6	5076.8	4093.9	3167.2
77.5°	900.5	844.3	1356.3	2387.9	4152.6	6052.2	4312.5	2440.4	1608.6	954.2
80°	276.0	267.3	362.2	719.4	1763.5	2898.7	1694.8	728.1	460.8	291.0
82.5°	163.6	149.9	179.8	262.3	449.6	910.5	437.1	273.5	219.8	147.4
85°	93.7	87.4	106.2	127.4	151.1	193.6	126.1	129.9	117.4	78.7
87.5°	38.7	35.0	41.2	40.0	35.0	45.0	33.7	40.0	47.5	31.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2191.8
2184.3
2156.9
2126.9
2113.2
2113.2
2121.9
2138.1
2154.4
2161.9
2169.4
2188.1
2230.6
2296.7
2402.9
2550.3
2733.9
2967.4
3243.4
3558.1
3936.6
4394.9
4943.2
5565.1
6192.1
6920.2
7628.3
7963.1
7528.4
5953.6
3373.3
1060.3
307.2
159.9
82.4
28.7
0.0

OF REPORT)