

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: P951614

Luminaire Tested: **GALN-SB5D-722-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951614
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-SB5D-722-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44497 lumens
Efficiency: N/A
Efficacy: 121.9 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): 364.9
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

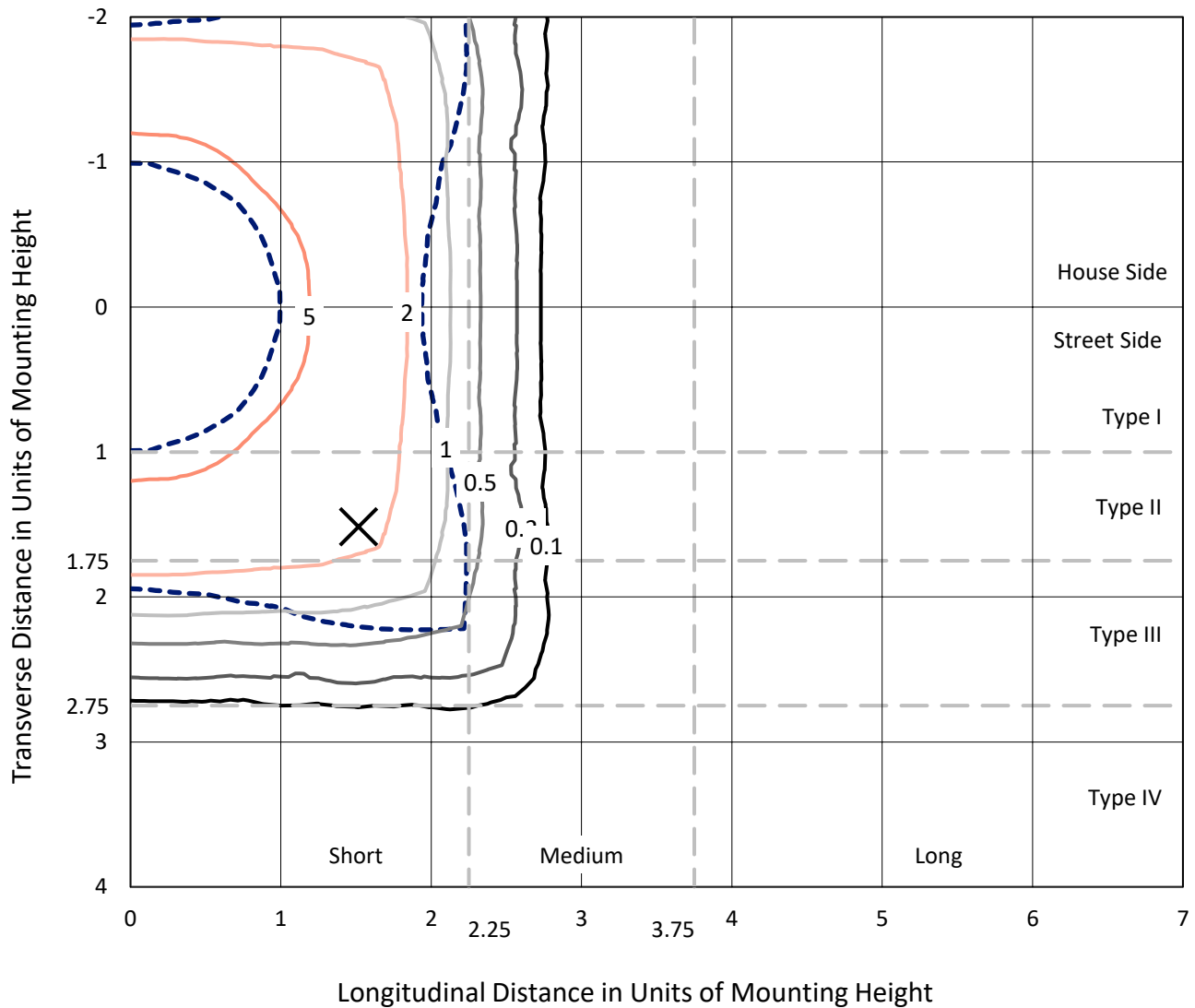


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

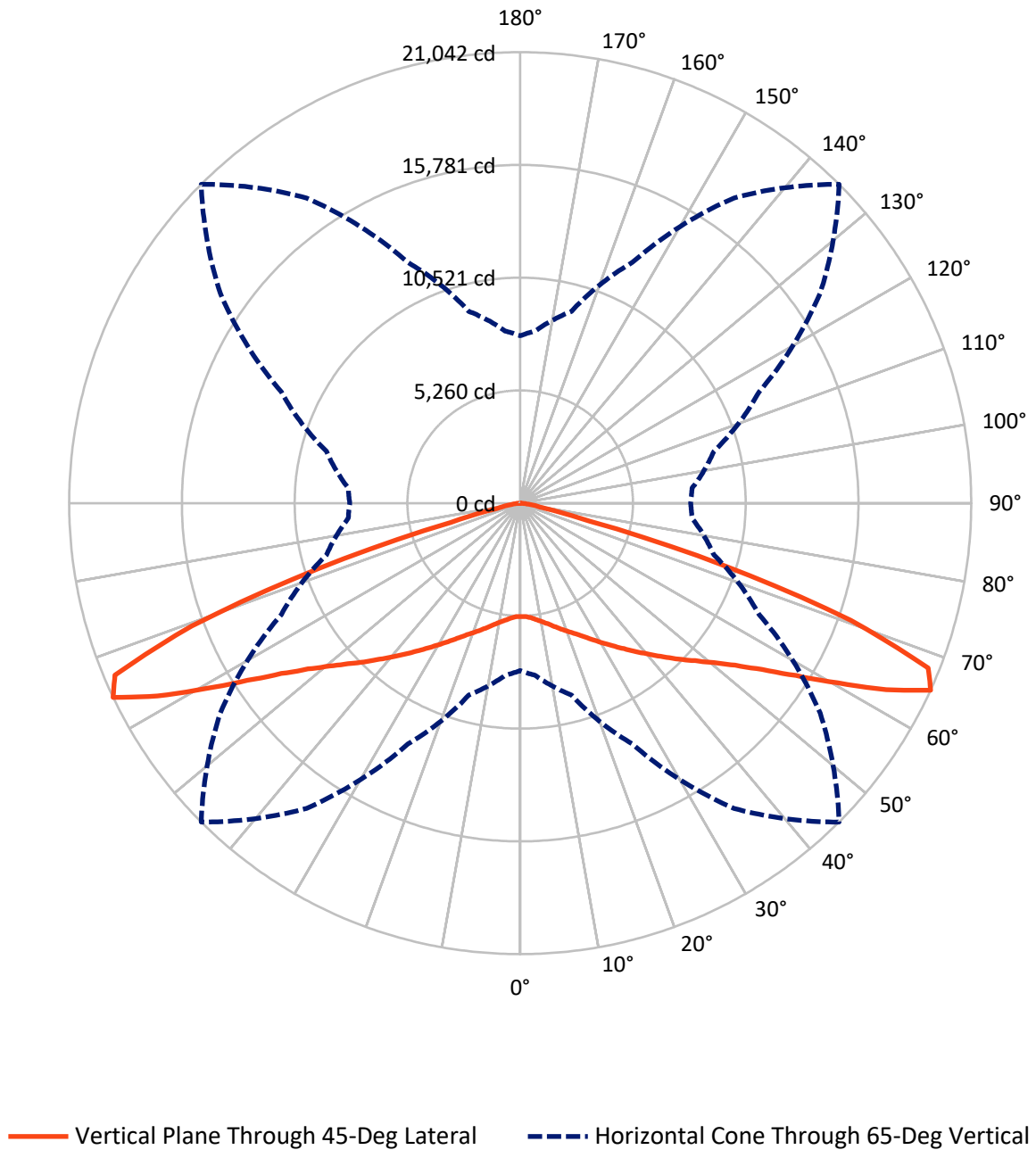


Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22248.5	0.0	22248.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22248.5	0.0	22248.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	44497.0	0.0	44497.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	522.6	1.2
10°-20°	1705.4	3.8
20°-30°	3219.9	7.2
30°-40°	5272.5	11.8
40°-50°	8175.1	18.4
50°-60°	12076.3	27.1
60°-70°	11495.5	25.8
70°-80°	1854.9	4.2
80°-90°	174.9	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°	44497.0	100.0
0°-180°	44497.0	100.0

Coefficient of Utilization



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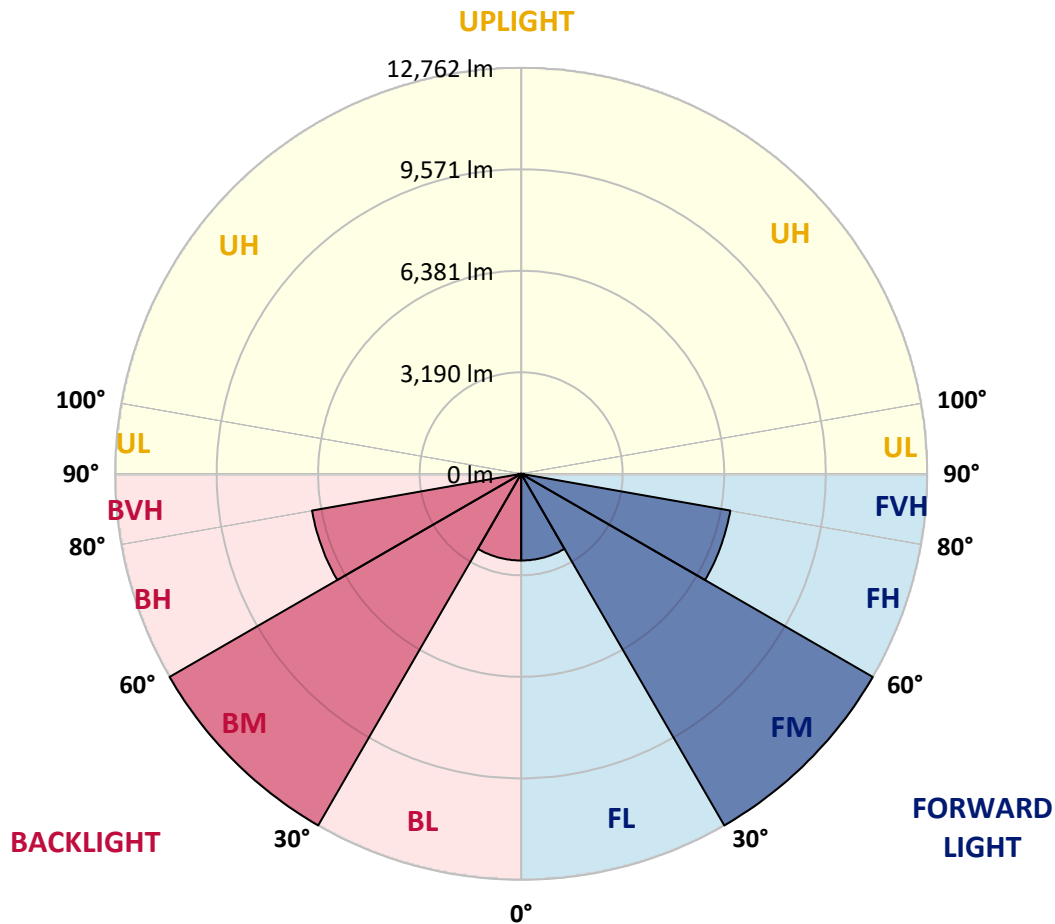
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2723.9	6.1			
FM	(30°-60°)	12761.9	28.7			
FH	(60°-80°)	6675.2	15.0			G3/7500
FVH	(80°-90°)	87.4	0.2			G1/100
BL	(0°-30°)	2723.9	6.1	B4/5000		
BM	(30°-60°)	12761.9	28.7	B5		
BH	(60°-80°)	6675.2	15.0	B5		G3/7500
BVH	(80°-90°)	87.4	0.2			G1/100
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°	90°
0°	5295.6	5295.6	5295.6	5295.6	5295.6	5295.6	5295.6	5295.6	5295.6	5295.6	5295.6
2.5°	5331.3	5313.4	5326.8	5315.7	5306.8	5297.8	5302.3	5317.9	5324.6	5326.8	5326.8
5°	5402.8	5387.1	5393.8	5393.8	5378.2	5373.7	5376.0	5387.1	5400.5	5400.5	5400.5
7.5°	5518.8	5503.2	5518.8	5509.9	5496.5	5492.1	5489.8	5498.7	5518.8	5518.8	5512.1
10°	5659.5	5641.6	5650.6	5646.1	5630.5	5623.8	5621.5	5634.9	5652.8	5650.6	5646.1
12.5°	5813.5	5793.4	5804.6	5791.2	5786.7	5780.0	5780.0	5777.8	5789.0	5780.0	5784.5
15°	5985.4	5972.0	5976.5	5967.6	5974.3	5969.8	5952.0	5943.0	5947.5	5934.1	5936.3
17.5°	6188.6	6157.3	6173.0	6168.5	6168.5	6177.4	6148.4	6137.3	6146.2	6132.8	6144.0
20°	6423.0	6391.8	6398.5	6389.5	6378.4	6387.3	6351.6	6360.5	6367.2	6358.3	6378.4
22.5°	6679.8	6639.6	6637.3	6641.8	6617.3	6619.5	6594.9	6617.3	6630.6	6606.1	6630.6
25°	6943.2	6900.8	6929.8	6918.6	6887.4	6894.1	6876.2	6898.6	6909.7	6878.5	6914.2
27.5°	7222.3	7193.2	7220.0	7226.7	7188.8	7215.6	7188.8	7208.9	7220.0	7173.2	7208.9
30°	7548.2	7519.2	7543.8	7561.6	7517.0	7559.4	7537.1	7550.5	7552.7	7496.9	7530.4
32.5°	7903.2	7858.5	7921.1	7930.0	7880.9	7932.2	7903.2	7921.1	7932.2	7856.3	7907.7
35°	8336.3	8280.5	8351.9	8340.8	8298.4	8340.8	8314.0	8340.8	8367.6	8276.0	8331.8
37.5°	8802.9	8744.9	8820.8	8800.7	8760.5	8789.5	8773.9	8791.7	8834.2	8735.9	8796.2
40°	9316.4	9245.0	9347.7	9311.9	9274.0	9269.5	9278.4	9289.6	9345.4	9236.0	9271.7
42.5°	9865.6	9789.7	9943.7	9887.9	9834.3	9798.6	9827.6	9850.0	9903.6	9780.8	9845.5
45°	10492.9	10405.9	10606.8	10539.8	10455.0	10381.3	10428.2	10461.7	10539.8	10392.5	10468.4
47.5°	11185.0	11086.8	11301.1	11281.0	11142.6	10981.9	11089.0	11185.0	11243.1	11064.5	11124.8
50°	11861.5	11785.6	12066.9	12091.4	11921.8	11696.3	11845.9	11991.0	12006.6	11772.2	11801.2
52.5°	12495.5	12419.6	12828.2	12982.2	12830.4	12562.5	12721.0	12868.4	12750.0	12446.4	12455.3
55°	13002.3	12939.8	13460.0	13857.4	13908.7	13687.7	13781.5	13777.0	13388.6	12921.9	12937.6
57.5°	13125.1	13116.2	13772.5	14614.2	15150.0	15176.8	14991.5	14518.2	13681.0	13053.7	13013.5
60°	12567.0	12622.8	13524.7	15009.4	16438.2	17032.1	16230.6	14879.9	13348.4	12477.7	12375.0
62.5°	10897.0	11044.4	12131.6	14527.1	17478.6	19166.4	17224.1	14330.7	11982.0	10845.7	10778.7
65°	7809.4	8066.2	9267.3	12397.3	17384.8	21041.7	17081.2	12296.8	9356.6	8046.1	7950.1
67.5°	3543.0	3804.3	4824.5	8488.1	15112.1	20532.7	15076.4	8577.4	5065.6	3817.6	3761.8
70°	1283.7	1328.4	1656.5	3397.9	9658.0	16360.1	10071.0	3422.5	1761.5	1415.4	1397.6
72.5°	776.9	783.6	852.8	1216.7	3355.5	9932.6	3498.4	1256.9	870.7	772.5	785.9
75°	493.4	488.9	607.3	743.4	1189.9	3351.0	1248.0	743.4	605.0	551.4	555.9
77.5°	355.0	366.1	435.3	555.9	750.1	1136.4	736.7	531.3	435.3	357.2	363.9
80°	265.7	272.4	317.0	433.1	526.9	707.7	468.8	392.9	328.2	223.3	230.0
82.5°	192.0	192.0	207.6	314.8	321.5	381.8	254.5	276.8	216.6	158.5	158.5
85°	113.9	111.6	129.5	187.5	167.4	140.7	116.1	169.7	136.2	98.2	96.0
87.5°	40.2	42.4	40.2	53.6	44.7	38.0	35.7	46.9	38.0	33.5	31.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)