

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: P951617

Luminaire Tested: **GALN-SB5D-722-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951617
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-SB5D-722-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43727 lumens
Efficiency: N/A
Efficacy: 119.8 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): 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



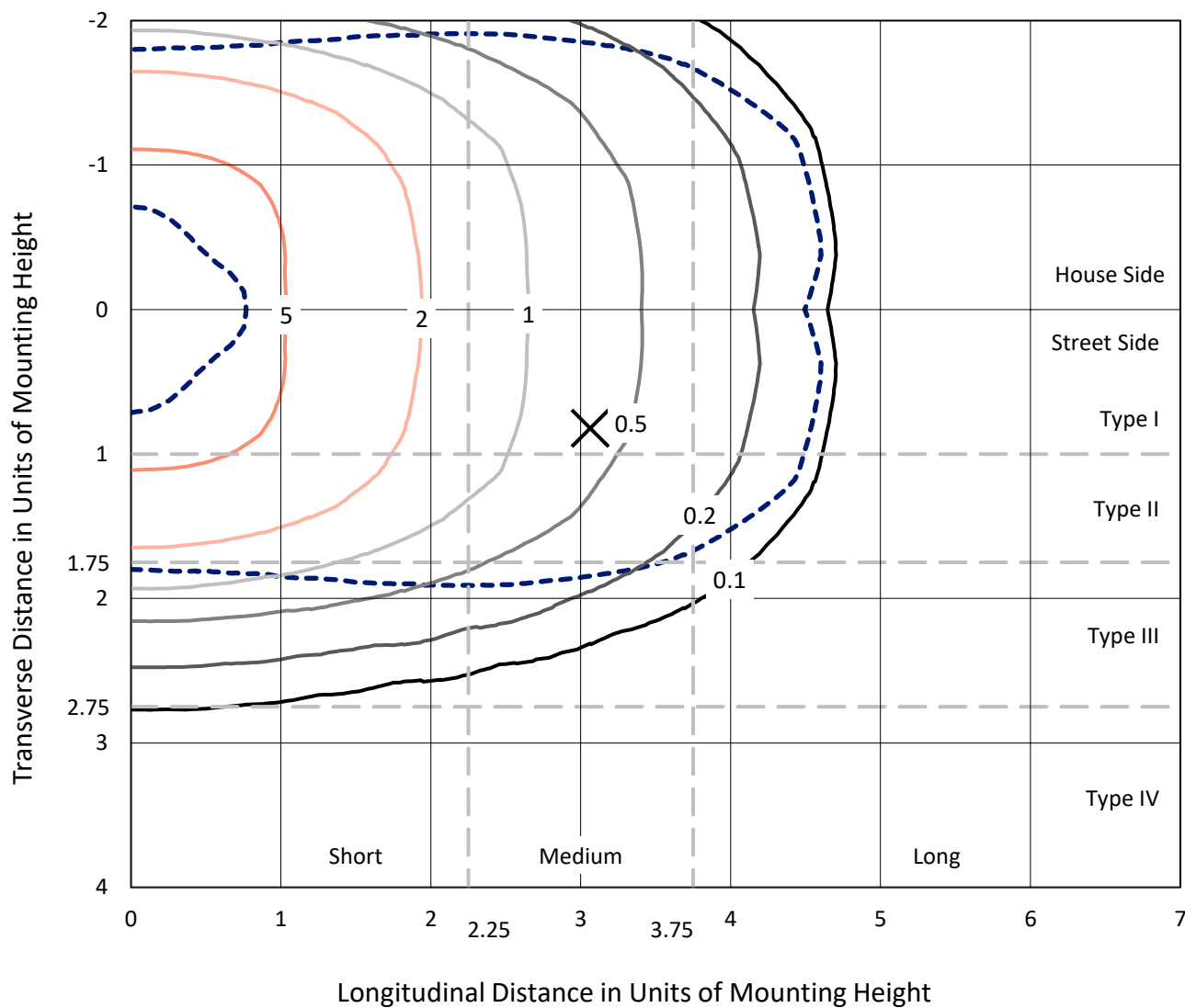
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

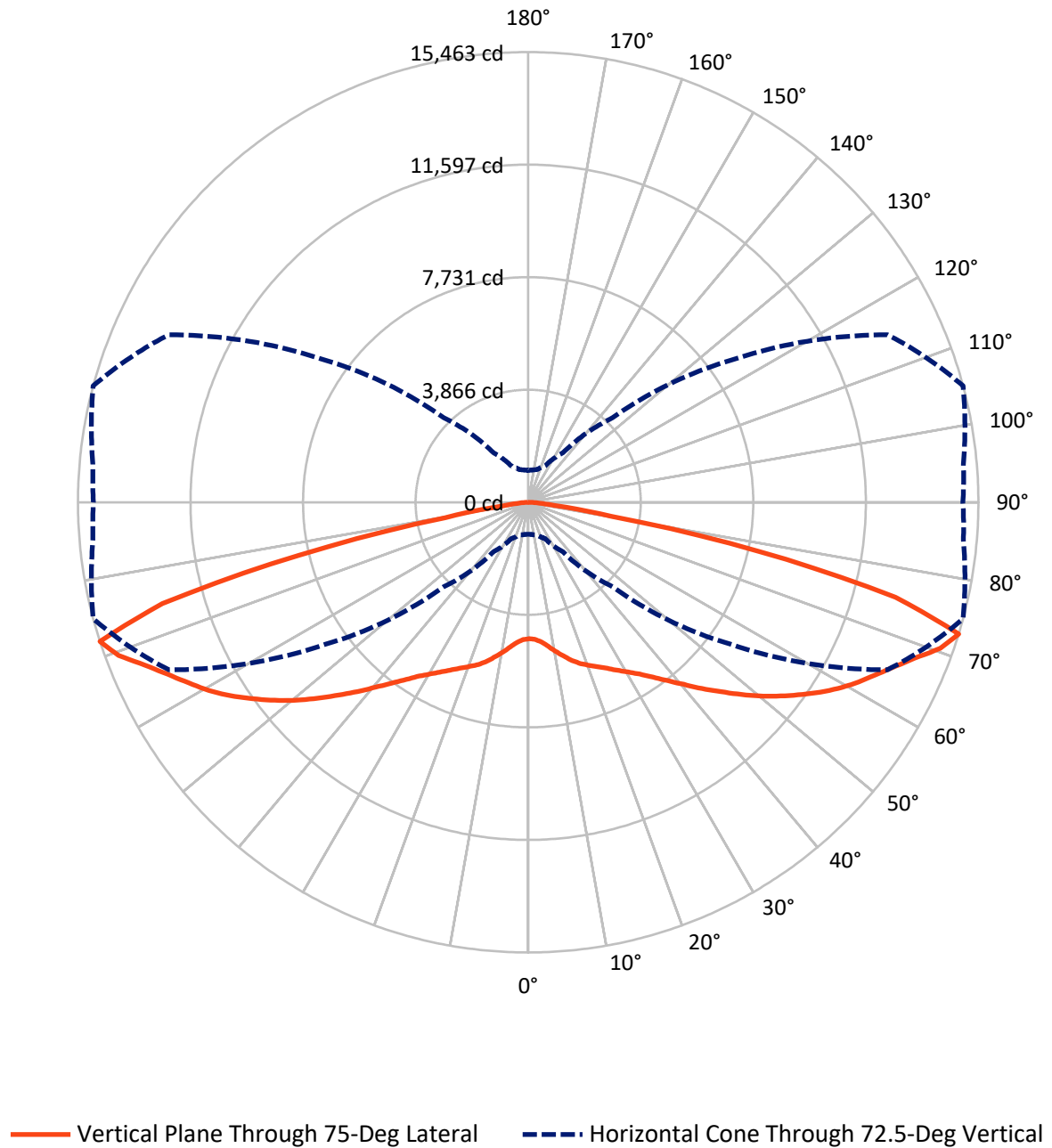


Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21863.5	0.0	21863.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21863.5	0.0	21863.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	43727.0	0.0	43727.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	458.8	1.0
10°-20°	1513.3	3.5
20°-30°	2924.2	6.7
30°-40°	4937.7	11.3
40°-50°	7830.6	17.9
50°-60°	10484.2	24.0
60°-70°	9977.6	22.8
70°-80°	5206.5	11.9
80°-90°	394.1	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°	43727.0	100.0
0°-180°	43727.0	100.0

Coefficient of Utilization



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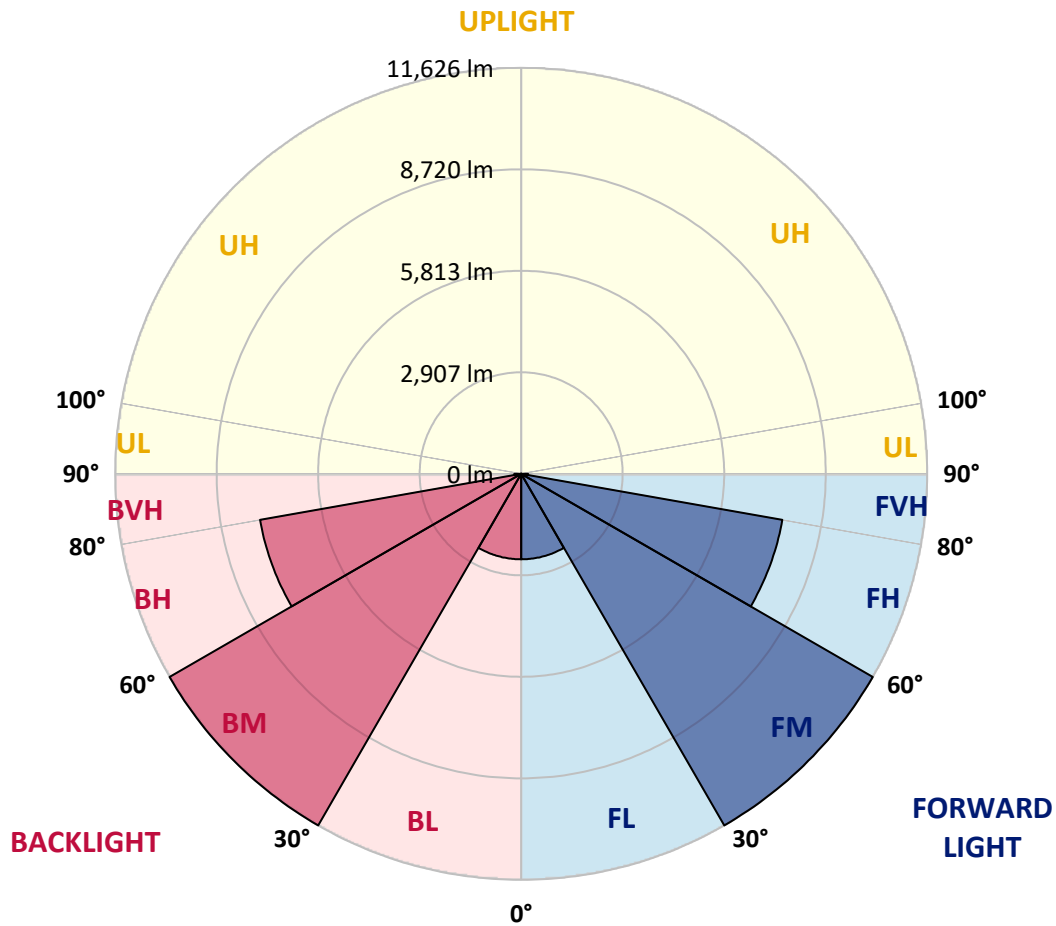
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2448.2	5.6			
FM	(30°-60°)	11626.2	26.6			
FH	(60°-80°)	7592.0	17.4			G4/12000
FVH	(80°-90°)	197.1	0.5			G2/225
BL	(0°-30°)	2448.2	5.6	B3/2500		
BM	(30°-60°)	11626.2	26.6	B5		
BH	(60°-80°)	7592.0	17.4	B5		G5
BVH	(80°-90°)	197.1	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°	90°
0°	4683.9	4683.9	4683.9	4683.9	4683.9	4683.9	4683.9	4683.9	4683.9	4683.9	4683.9
2.5°	4683.9	4679.5	4683.9	4688.4	4686.2	4686.2	4697.3	4704.0	4717.4	4715.2	4713.0
5°	4652.7	4650.5	4668.3	4688.4	4704.0	4730.8	4764.3	4788.9	4820.1	4826.8	4826.8
7.5°	4637.1	4630.4	4661.6	4697.3	4746.5	4813.4	4878.2	4945.2	4998.7	5016.6	5021.1
10°	4648.2	4650.5	4692.9	4759.9	4838.0	4931.8	5023.3	5137.2	5213.1	5230.9	5248.8
12.5°	4699.6	4695.1	4766.5	4873.7	4980.9	5099.2	5206.4	5331.4	5414.0	5456.4	5474.3
15°	4793.3	4784.4	4884.9	5043.4	5199.7	5338.1	5425.2	5543.5	5639.5	5693.1	5713.2
17.5°	4905.0	4909.4	5041.2	5246.6	5452.0	5608.2	5690.8	5751.1	5824.8	5871.7	5894.0
20°	5101.4	5110.4	5257.7	5501.1	5735.5	5914.1	5981.1	5958.7	5978.8	6014.6	6041.4
22.5°	5364.9	5369.3	5534.6	5798.0	6043.6	6240.0	6284.7	6193.2	6137.4	6161.9	6179.8
25°	5670.7	5699.8	5865.0	6135.1	6387.4	6574.9	6595.0	6456.6	6318.2	6324.9	6336.1
27.5°	6043.6	6070.4	6237.8	6505.7	6762.5	6925.5	6923.2	6737.9	6534.7	6483.4	6499.0
30°	6447.7	6476.7	6648.6	6925.5	7164.3	7307.2	7276.0	7054.9	6764.7	6668.7	6679.9
32.5°	6927.7	6945.5	7119.7	7396.5	7617.5	7731.4	7666.7	7394.3	7032.6	6923.2	6950.0
35°	7508.2	7534.9	7664.4	7925.6	8119.9	8213.6	8104.3	7782.8	7376.4	7253.6	7271.5
37.5°	8171.2	8153.4	8300.7	8532.9	8693.7	8751.7	8602.1	8220.3	7769.4	7624.2	7651.0
40°	8863.3	8854.4	9015.1	9238.4	9325.5	9361.2	9140.2	8722.7	8222.6	8066.3	8117.6
42.5°	9490.7	9484.0	9700.5	9948.4	10053.3	10013.1	9734.0	9256.3	8747.2	8568.6	8613.3
45°	9993.0	9984.1	10249.8	10598.0	10803.4	10736.5	10361.4	9845.7	9278.6	9093.3	9135.7
47.5°	10379.2	10383.7	10669.5	11100.4	11459.8	11484.4	11002.1	10446.2	9863.5	9653.7	9716.2
50°	10658.3	10671.7	10977.6	11455.3	11946.5	12163.1	11656.3	11062.4	10468.5	10231.9	10303.3
52.5°	10727.5	10752.1	11120.5	11680.8	12259.1	12672.1	12321.6	11654.0	11042.3	10816.8	10874.9
55°	10359.2	10408.3	10874.9	11663.0	12451.1	13007.0	12906.5	12254.6	11620.6	11388.4	11453.1
57.5°	9513.0	9582.2	10127.0	11156.2	12408.7	13236.9	13359.7	12830.6	12198.8	11975.5	12026.9
60°	8327.5	8410.1	8932.5	10055.5	11810.3	13321.8	13679.0	13391.0	12730.1	12513.6	12560.5
62.5°	6539.2	6646.4	7271.5	8588.7	10546.7	12926.6	13951.4	13897.8	13207.9	12937.8	12969.0
65°	4195.0	4308.9	4967.5	6523.6	8861.1	11716.6	14036.2	14391.2	13712.5	13335.2	13382.1
67.5°	2529.5	2580.9	2906.8	3953.9	6476.7	9892.5	13317.3	14938.2	14301.9	13833.0	13868.8
70°	1618.6	1647.6	1841.9	2321.9	3661.4	7217.9	11535.7	15040.9	15016.3	14344.3	14339.8
72.5°	1098.4	1107.4	1158.7	1375.3	2071.8	4101.2	8508.3	13616.5	15462.8	15002.9	14931.5
75°	803.7	852.8	935.4	973.4	1176.6	2049.5	4875.9	9566.6	13031.5	13232.5	12745.8
77.5°	598.3	600.6	714.4	759.1	839.4	1091.7	2062.9	5340.3	8090.9	8495.0	7577.4
80°	506.8	480.0	477.8	611.7	631.8	680.9	922.1	1844.1	2897.9	1757.0	1328.4
82.5°	422.0	392.9	355.0	477.8	430.9	417.5	399.6	750.1	922.1	453.2	386.2
85°	294.7	281.3	267.9	312.6	245.6	209.9	192.0	350.5	388.5	192.0	169.7
87.5°	127.3	131.7	134.0	138.4	102.7	73.7	73.7	98.2	98.2	75.9	55.8
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)