

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: P942033

Luminaire Tested: **GALN-SB5D-835-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942033
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB5D-835-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47167 lumens
Efficiency: N/A
Efficacy: 129.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

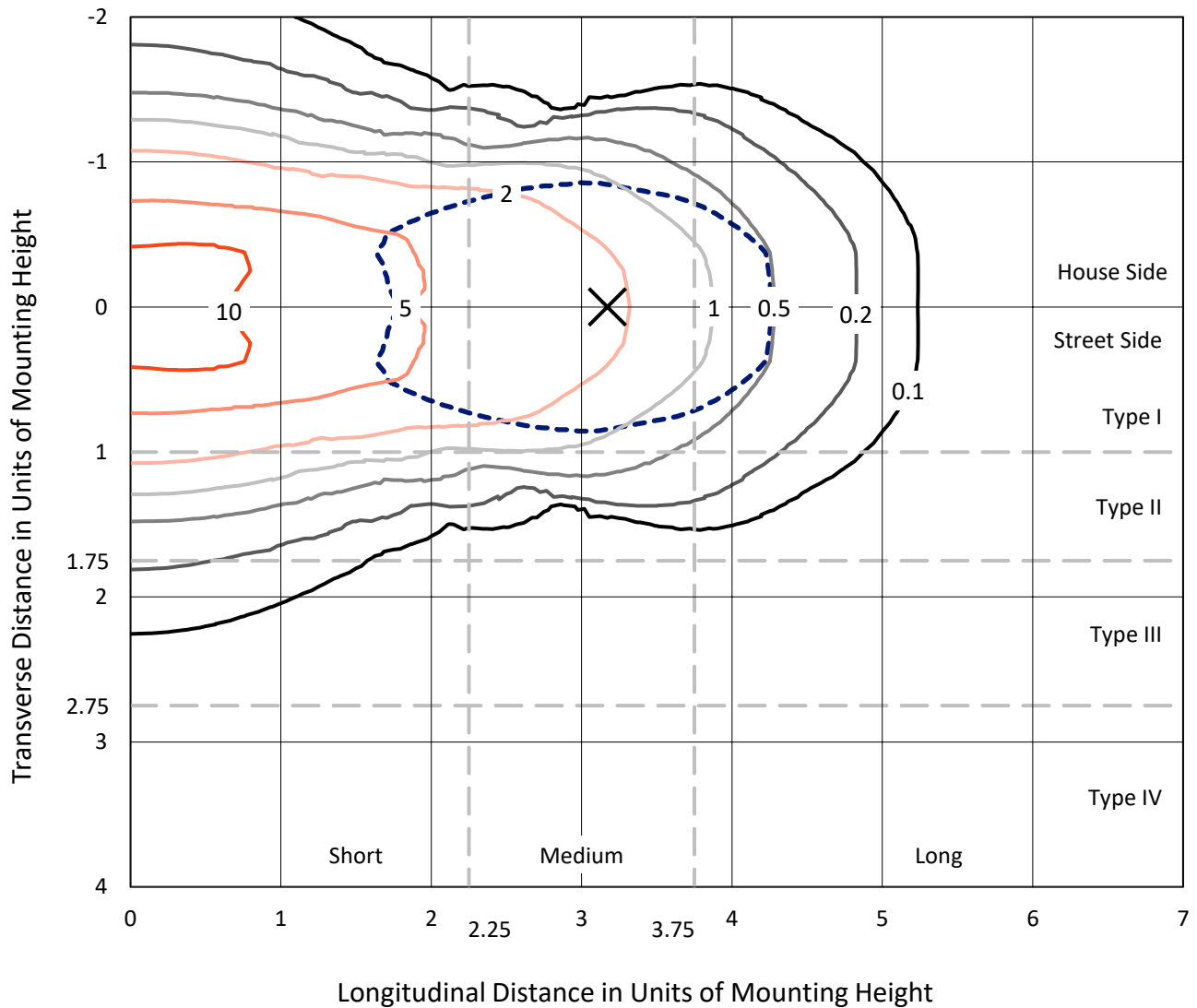
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

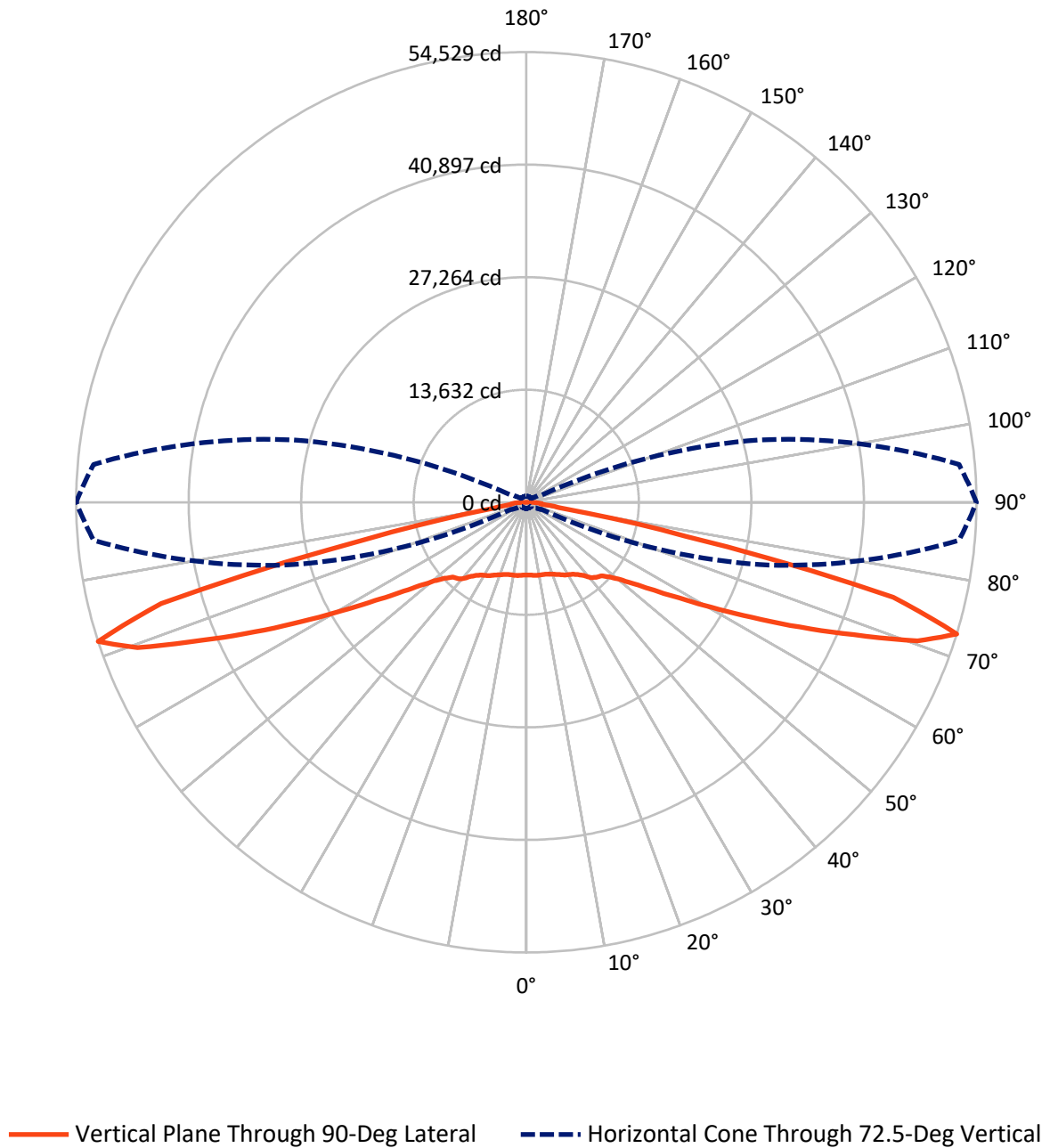
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.1 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23583.5	0.0	23583.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23583.5	0.0	23583.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	47167.0	0.0	47167.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	854.6	1.8
10°-20°	2613.0	5.5
20°-30°	4356.9	9.2
30°-40°	5992.1	12.7
40°-50°	7318.0	15.5
50°-60°	8464.1	17.9
60°-70°	10092.0	21.4
70°-80°	7043.6	14.9
80°-90°	432.6	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°	47167.0	100.0
0°-180°	47167.0	100.0

Coefficient of Utilization



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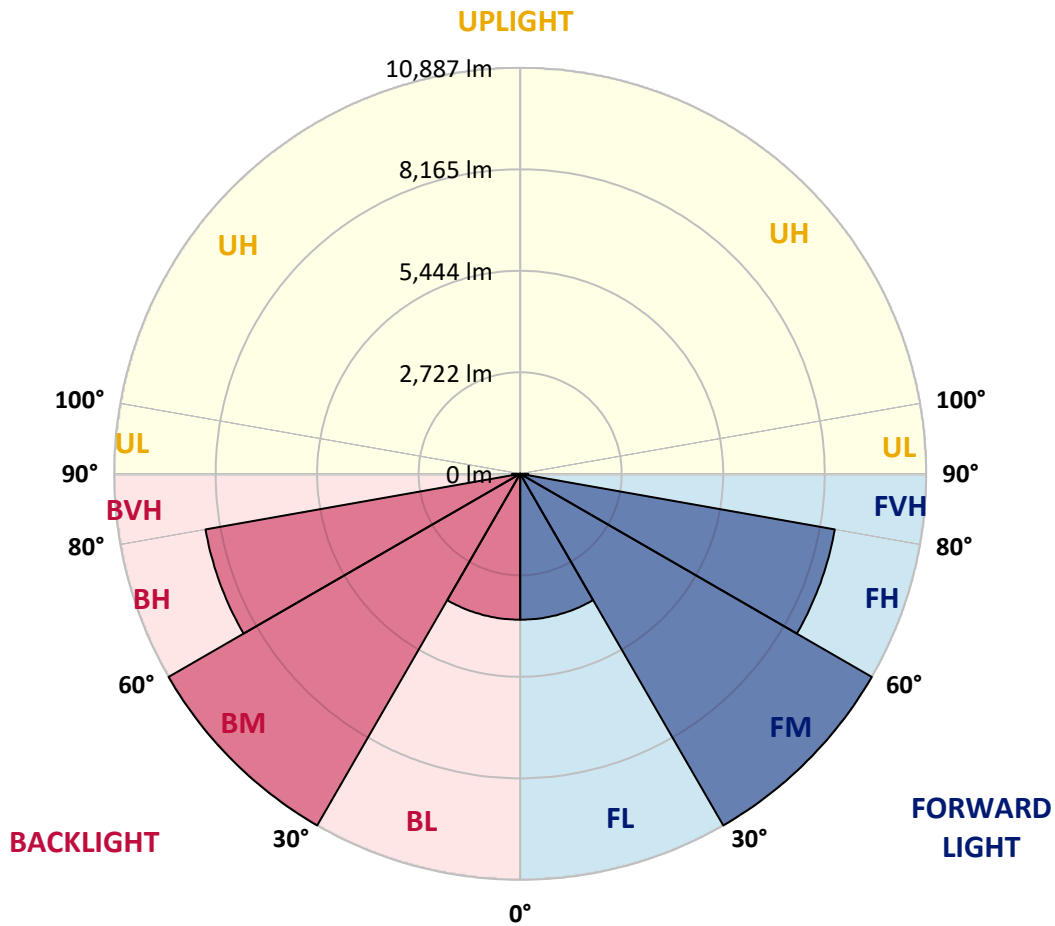
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3912.3	8.3			
FM (30°-60°)	10887.1	23.1			
FH (60°-80°)	8567.8	18.2			G4/12000
FVH (80°-90°)	216.3	0.5			G2/225
BL (0°-30°)	3912.3	8.3	B4/5000		
BM (30°-60°)	10887.1	23.1	B5		
BH (60°-80°)	8567.8	18.2	B5		G5
BVH (80°-90°)	216.3	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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8813.7	8813.7	8813.7	8813.7	8813.7	8813.7	8813.7	8813.7	8813.7	8813.7
2.5°	8821.2	8831.2	8831.2	8823.7	8841.2	8826.2	8826.2	8818.7	8826.2	8818.7
5°	8866.3	8878.8	8883.8	8881.3	8903.9	8891.4	8891.4	8881.3	8883.8	8876.3
7.5°	8951.5	8969.1	8979.1	8991.6	9024.2	9009.2	8999.1	8969.1	8956.5	8936.5
10°	8979.1	8999.1	9031.7	9096.9	9172.1	9174.6	9144.5	9069.3	9011.7	8966.6
12.5°	8893.9	8921.4	8989.1	9122.0	9289.9	9357.6	9310.0	9184.6	9071.8	8991.6
15°	8786.1	8816.2	8918.9	9119.5	9367.6	9525.6	9520.5	9355.1	9174.6	9049.3
17.5°	8618.1	8648.2	8796.1	9076.9	9427.8	9688.5	9758.7	9588.2	9335.1	9167.1
20°	8314.8	8342.4	8547.9	8941.5	9447.9	9861.5	10044.5	9894.1	9578.2	9350.1
22.5°	7921.3	7963.9	8204.5	8708.4	9400.2	10041.9	10370.3	10267.6	9861.5	9545.6
25°	7500.1	7545.2	7826.0	8422.6	9277.4	10172.3	10756.4	10691.2	10182.3	9788.8
27.5°	7136.7	7184.3	7490.1	8139.3	9086.9	10222.4	11137.4	11170.0	10570.9	10057.0
30°	6850.9	6896.0	7221.9	7911.2	8841.2	10172.3	11470.8	11696.4	10966.9	10290.1
32.5°	6537.5	6595.2	6938.6	7633.0	8550.4	10052.0	11761.6	12265.4	11425.7	10540.8
35°	6141.5	6194.1	6555.1	7252.0	8169.4	9859.0	12004.7	12897.1	12082.4	10921.8
37.5°	5660.2	5710.3	6068.8	6775.7	7790.9	9588.2	12190.2	13609.0	12864.5	11470.8
40°	5176.4	5224.0	5559.9	6244.3	7337.2	9242.3	12255.4	14305.9	13761.9	12225.3
42.5°	4732.7	4775.3	5083.6	5720.4	6828.3	8801.1	12170.2	14912.5	14566.6	12751.7
45°	4324.1	4361.7	4634.9	5229.0	6299.4	8264.7	11914.5	15564.3	15524.2	13127.7
47.5°	3857.9	3895.5	4178.7	4752.8	5770.5	7635.5	11480.8	16206.0	16855.2	13980.0
50°	3288.8	3321.4	3612.2	4203.8	5221.5	6966.2	10879.2	16709.8	18534.7	15271.0
52.5°	2614.5	2649.6	2932.9	3524.5	4569.8	6246.8	10087.1	17038.2	20474.9	17156.0
55°	1945.2	1970.3	2215.9	2747.4	3762.6	5427.1	9094.4	17131.0	22675.9	19733.0
57.5°	1411.3	1426.3	1584.3	1980.3	2852.7	4401.8	7888.7	16890.3	25295.4	23036.8
60°	1143.1	1148.1	1195.7	1371.2	1982.8	3243.7	6432.3	16063.1	28138.0	27295.7
62.5°	1037.8	1037.8	1050.3	1097.9	1341.1	2140.7	4670.0	14348.5	31186.2	32677.7
65°	965.1	965.1	970.1	992.7	1057.8	1363.7	2947.9	11556.0	33755.6	38982.1
67.5°	899.9	902.4	899.9	907.4	945.0	1007.7	1709.6	7981.4	35139.3	45514.6
70°	832.2	837.2	824.7	824.7	854.8	857.3	1070.4	4376.7	33991.2	50989.3
72.5°	752.0	759.5	739.5	734.5	757.0	747.0	804.7	2100.6	29183.3	52623.7
75°	681.8	691.9	646.7	634.2	634.2	626.7	654.3	1077.9	18940.8	42927.7
77.5°	619.2	639.2	566.5	526.4	516.4	493.8	533.9	659.3	8284.7	20154.1
80°	511.4	538.9	466.3	418.6	401.1	376.0	421.1	461.2	2464.1	4680.1
82.5°	381.0	393.6	330.9	298.3	283.3	265.7	315.8	320.9	802.2	1656.9
85°	243.2	248.2	203.0	175.5	168.0	160.4	200.5	175.5	305.8	1218.3
87.5°	85.2	97.8	77.7	70.2	75.2	62.7	92.7	52.6	85.2	859.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

8813.7
8818.7
8876.3
8936.5
8959.0
8979.1
9029.2
9139.5
9307.5
9488.0
9708.6
9971.8
10167.3
10385.4
10748.8
11240.2
11979.6
12435.9
12701.6
13488.7
14654.3
16396.5
18782.9
21841.1
25789.2
30659.8
36430.3
42759.7
50264.9
54528.8
45915.7
19735.5
4482.0
1872.5
1769.7
1065.4
0.0

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