

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: P942093

Luminaire Tested: **GALN-SB5D-940-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942093
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-940-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36849 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

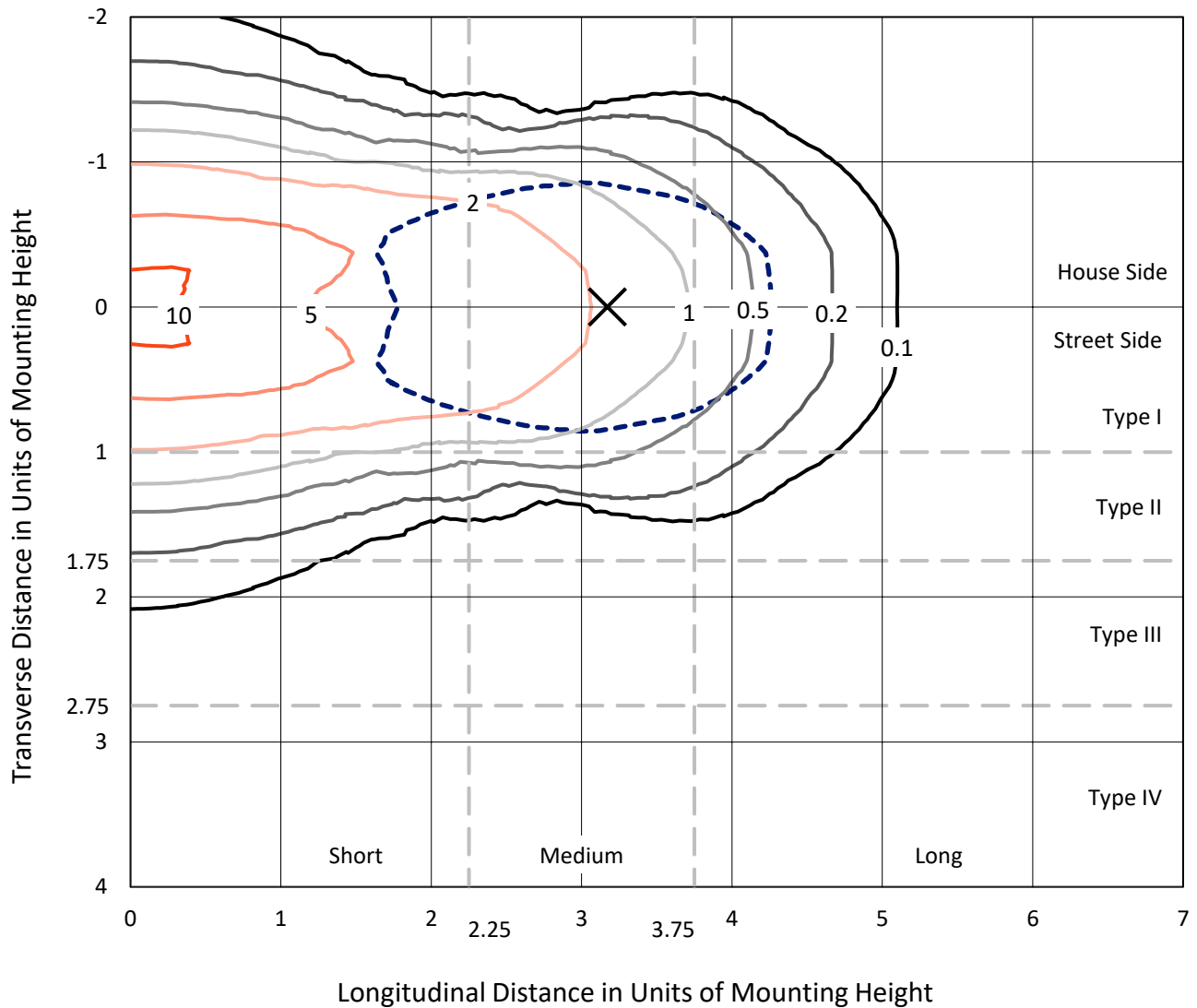
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

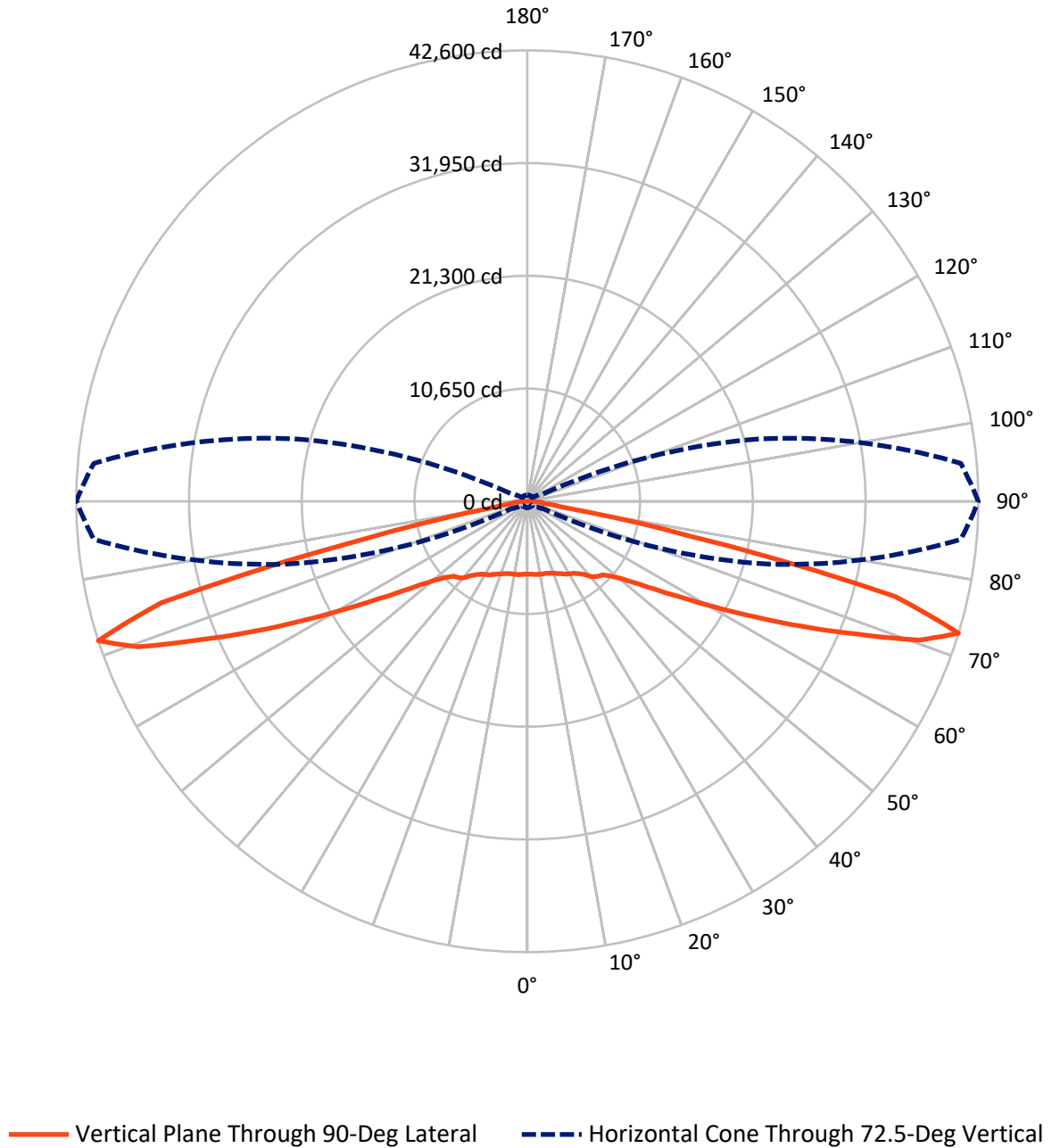
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11 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	18424.5	0.0	18424.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18424.5	0.0	18424.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	36849.0	0.0	36849.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	667.6	1.8
10°-20°	2041.4	5.5
20°-30°	3403.8	9.2
30°-40°	4681.3	12.7
40°-50°	5717.2	15.5
50°-60°	6612.5	17.9
60°-70°	7884.4	21.4
70°-80°	5502.8	14.9
80°-90°	338.0	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°	36849.0	100.0
0°-180°	36849.0	100.0

Coefficient of Utilization



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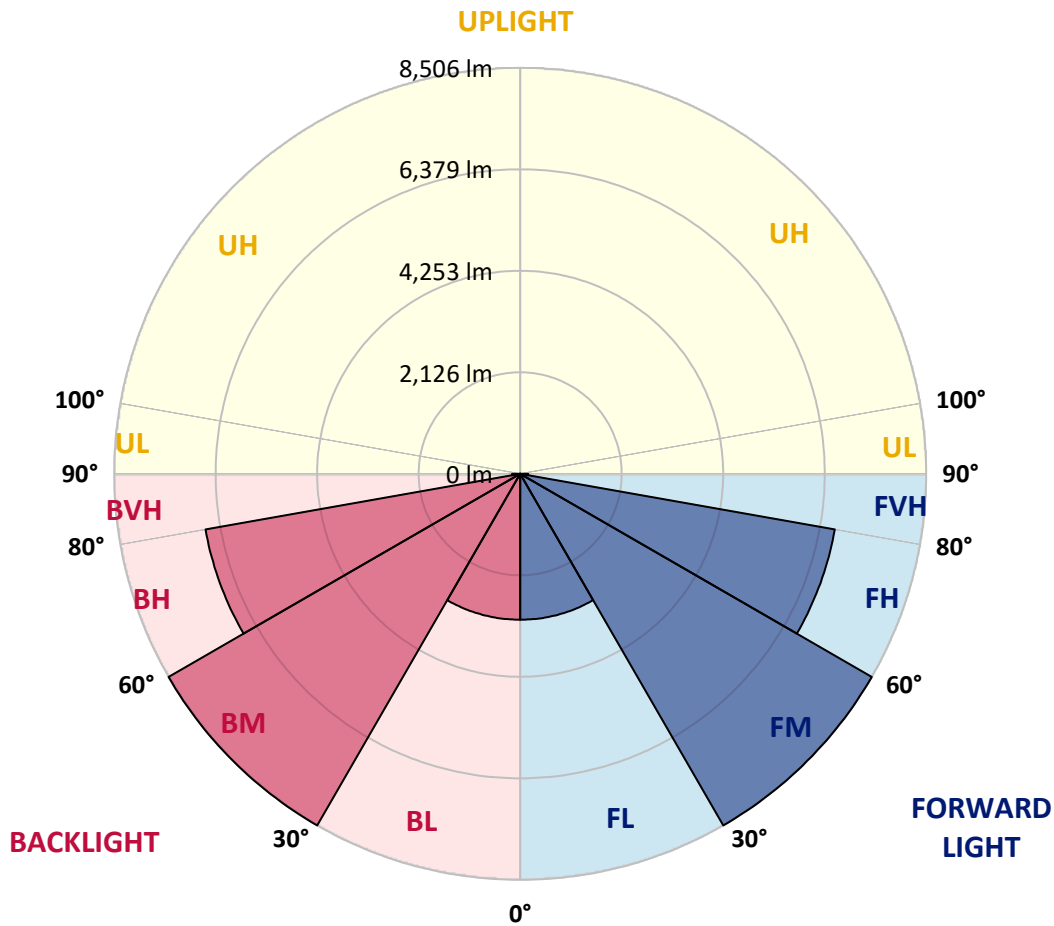
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3056.4	8.3			
FM (30°-60°)	8505.5	23.1			
FH (60°-80°)	6693.6	18.2			G3/7500
FVH (80°-90°)	169.0	0.5			G2/225
BL (0°-30°)	3056.4	8.3	B4/5000		
BM (30°-60°)	8505.5	23.1	B5		
BH (60°-80°)	6693.6	18.2	B5		G5
BVH (80°-90°)	169.0	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°	6885.6	6885.6	6885.6	6885.6	6885.6	6885.6	6885.6	6885.6	6885.6	6885.6
2.5°	6891.5	6899.3	6899.3	6893.5	6907.2	6895.4	6895.4	6889.5	6895.4	6889.5
5°	6926.8	6936.5	6940.5	6938.5	6956.1	6946.3	6946.3	6938.5	6940.5	6934.6
7.5°	6993.3	7007.0	7014.9	7024.7	7050.1	7038.4	7030.5	7007.0	6997.3	6981.6
10°	7014.9	7030.5	7056.0	7106.9	7165.7	7167.6	7144.1	7085.4	7040.3	7005.1
12.5°	6948.3	6969.8	7022.7	7126.5	7257.7	7310.6	7273.4	7175.5	7087.3	7024.7
15°	6864.1	6887.6	6967.9	7124.5	7318.4	7441.8	7437.9	7308.6	7167.6	7069.7
17.5°	6732.9	6756.4	6871.9	7091.3	7365.4	7569.1	7623.9	7490.8	7293.0	7161.8
20°	6495.9	6517.5	6678.0	6985.5	7381.1	7704.2	7847.2	7729.7	7482.9	7304.7
22.5°	6188.4	6221.7	6409.7	6803.4	7343.9	7845.2	8101.8	8021.5	7704.2	7457.5
25°	5859.4	5894.7	6114.0	6580.1	7247.9	7947.1	8403.4	8352.4	7954.9	7647.4
27.5°	5575.5	5612.7	5851.6	6358.8	7099.1	7986.2	8701.0	8726.5	8258.4	7857.0
30°	5352.2	5387.5	5642.1	6180.6	6907.2	7947.1	8961.5	9137.7	8567.9	8039.1
32.5°	5107.4	5152.5	5420.8	5963.2	6680.0	7853.1	9188.7	9582.3	8926.2	8234.9
35°	4798.0	4839.1	5121.1	5665.6	6382.3	7702.3	9378.6	10075.8	9439.3	8532.6
37.5°	4422.0	4461.2	4741.2	5293.5	6086.6	7490.8	9523.5	10632.0	10050.3	8961.5
40°	4044.0	4081.2	4343.7	4878.3	5732.1	7220.5	9574.5	11176.4	10751.4	9551.0
42.5°	3697.4	3730.7	3971.6	4469.0	5334.6	6875.8	9507.9	11650.3	11380.1	9962.2
45°	3378.2	3407.6	3621.0	4085.2	4921.4	6456.7	9308.1	12159.5	12128.2	10256.0
47.5°	3013.9	3043.3	3264.6	3713.1	4508.2	5965.2	8969.3	12660.9	13168.1	10921.8
50°	2569.4	2594.8	2822.0	3284.2	4079.3	5442.3	8499.3	13054.5	14480.2	11930.4
52.5°	2042.6	2070.0	2291.3	2753.5	3570.1	4880.3	7880.5	13311.0	15996.0	13403.1
55°	1519.7	1539.3	1731.2	2146.4	2939.5	4239.9	7105.0	13383.5	17715.4	15416.3
57.5°	1102.6	1114.3	1237.7	1547.1	2228.6	3438.9	6163.0	13195.5	19761.9	17997.4
60°	893.0	896.9	934.1	1071.2	1549.1	2534.1	5025.2	12549.2	21982.7	21324.7
62.5°	810.8	810.8	820.6	857.8	1047.7	1672.4	3648.4	11209.7	24364.1	25529.3
65°	754.0	754.0	757.9	775.5	826.4	1065.4	2303.0	9028.1	26371.4	30454.6
67.5°	703.1	705.0	703.1	708.9	738.3	787.3	1335.6	6235.4	27452.4	35558.1
70°	650.2	654.1	644.3	644.3	667.8	669.8	836.2	3419.3	26555.5	39835.2
72.5°	587.5	593.4	577.7	573.8	591.4	583.6	628.6	1641.1	22799.3	41112.0
75°	532.7	540.5	505.3	495.5	495.5	489.6	511.1	842.1	14797.4	33537.1
77.5°	483.7	499.4	442.6	411.3	403.4	385.8	417.1	515.1	6472.4	15745.3
80°	399.5	421.0	364.3	327.0	313.3	293.8	329.0	360.3	1925.1	3656.3
82.5°	297.7	307.5	258.5	233.0	221.3	207.6	246.8	250.7	626.7	1294.5
85°	190.0	193.9	158.6	137.1	131.2	125.3	156.7	137.1	238.9	951.8
87.5°	66.6	76.4	60.7	54.8	58.8	49.0	72.5	41.1	66.6	671.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6885.6
6889.5
6934.6
6981.6
6999.2
7014.9
7054.0
7140.2
7271.4
7412.4
7584.8
7790.4
7943.1
8113.5
8397.5
8781.3
9359.0
9715.5
9923.1
10538.0
11448.6
12809.7
14674.1
17063.3
20147.7
23952.8
28461.0
33405.9
39269.2
42600.4
35871.4
15418.2
3501.6
1462.9
1382.6
832.3
0.0

OF REPORT)