

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: P943353

Luminaire Tested: **GALN-SB7D-750-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943353
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-SB7D-750-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 75742 lumens
Efficiency: N/A
Efficacy: 147.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

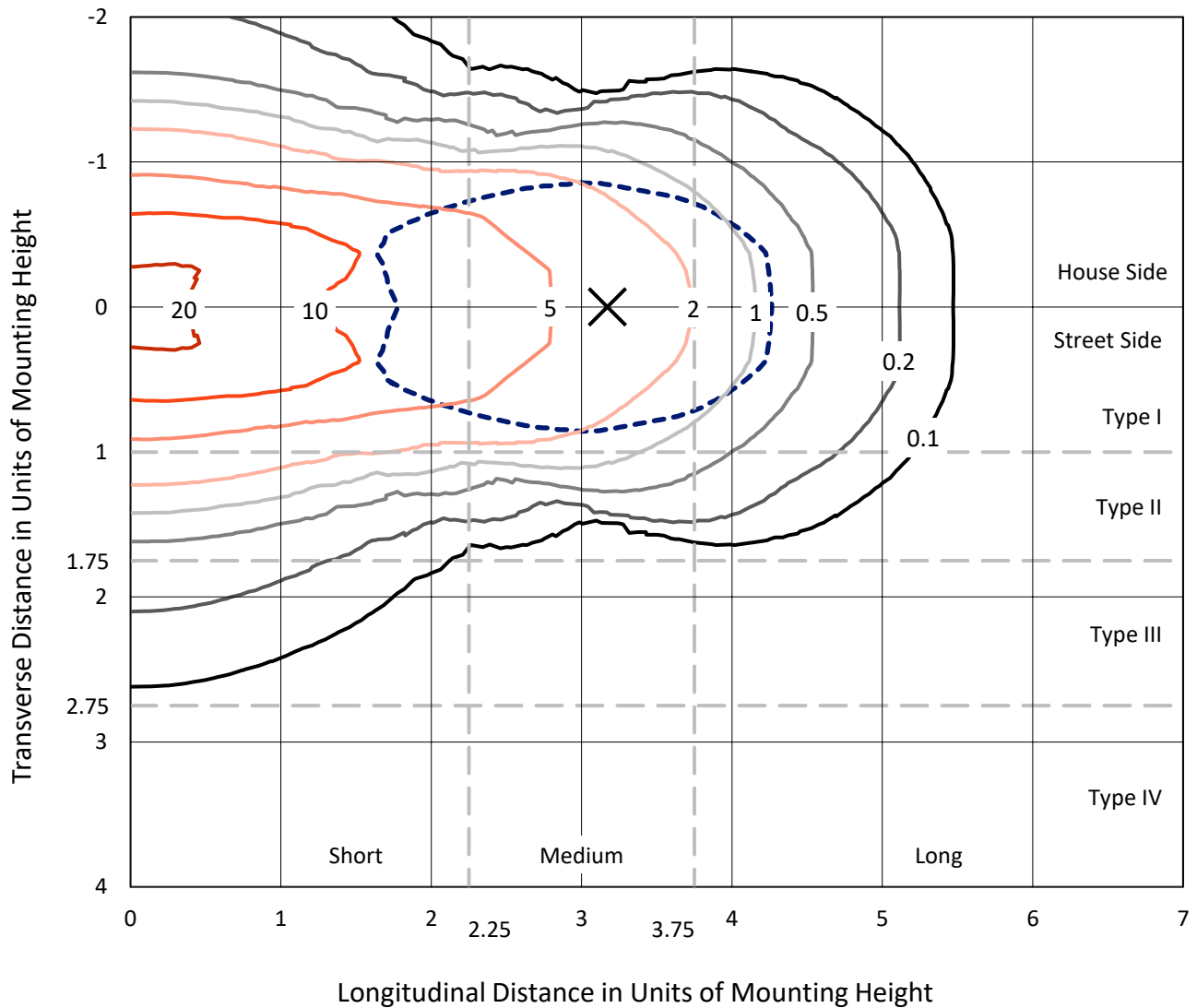
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

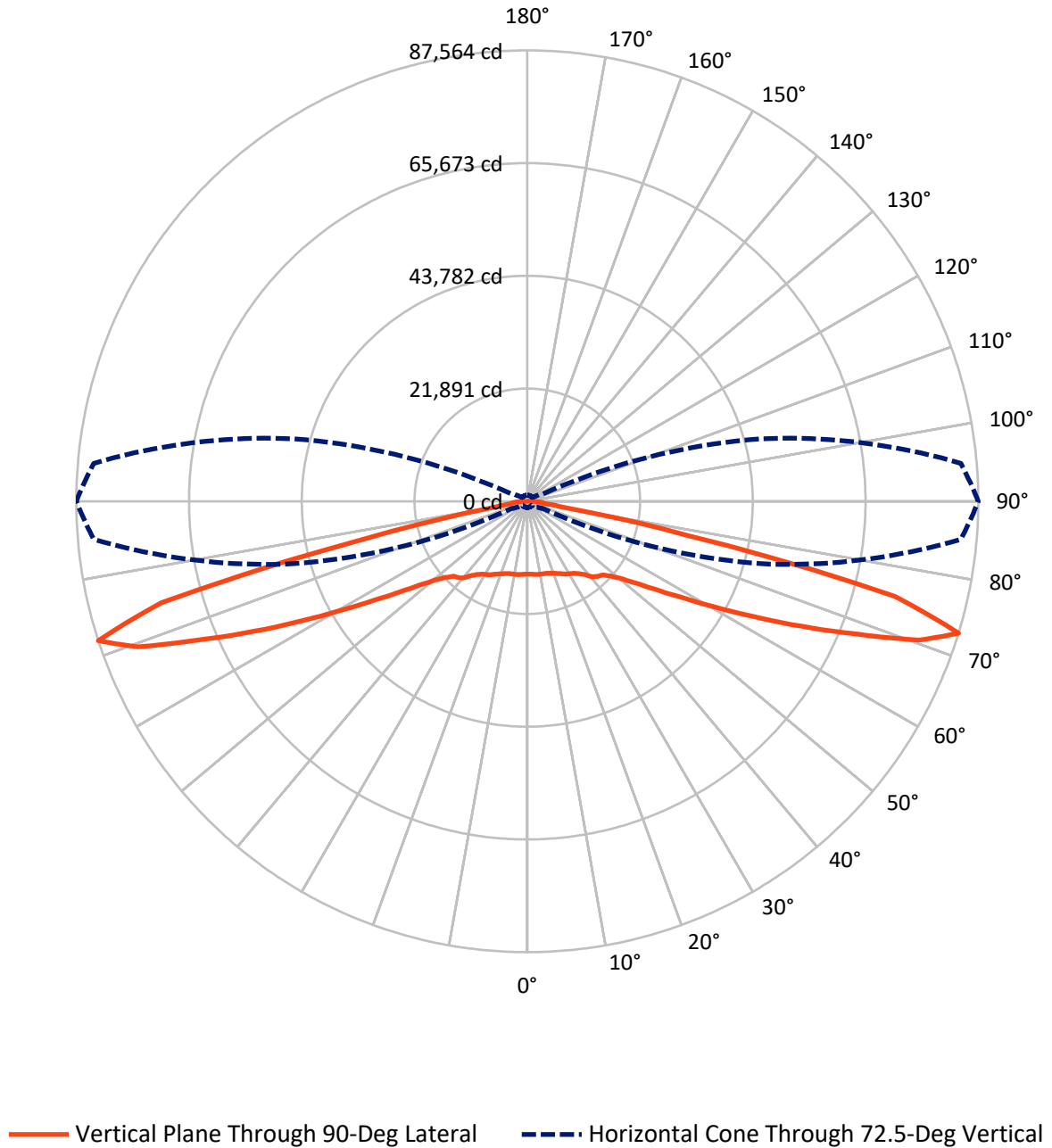
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22.6 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	37871.0	0.0	37871.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	37871.0	0.0	37871.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	75742.0	0.0	75742.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1372.3	1.8
10°-20°	4196.0	5.5
20°-30°	6996.5	9.2
30°-40°	9622.3	12.7
40°-50°	11751.5	15.5
50°-60°	13591.8	17.9
60°-70°	16206.0	21.4
70°-80°	11310.7	14.9
80°-90°	694.7	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°	75742.0	100.0
0°-180°	75742.0	100.0

Coefficient of Utilization



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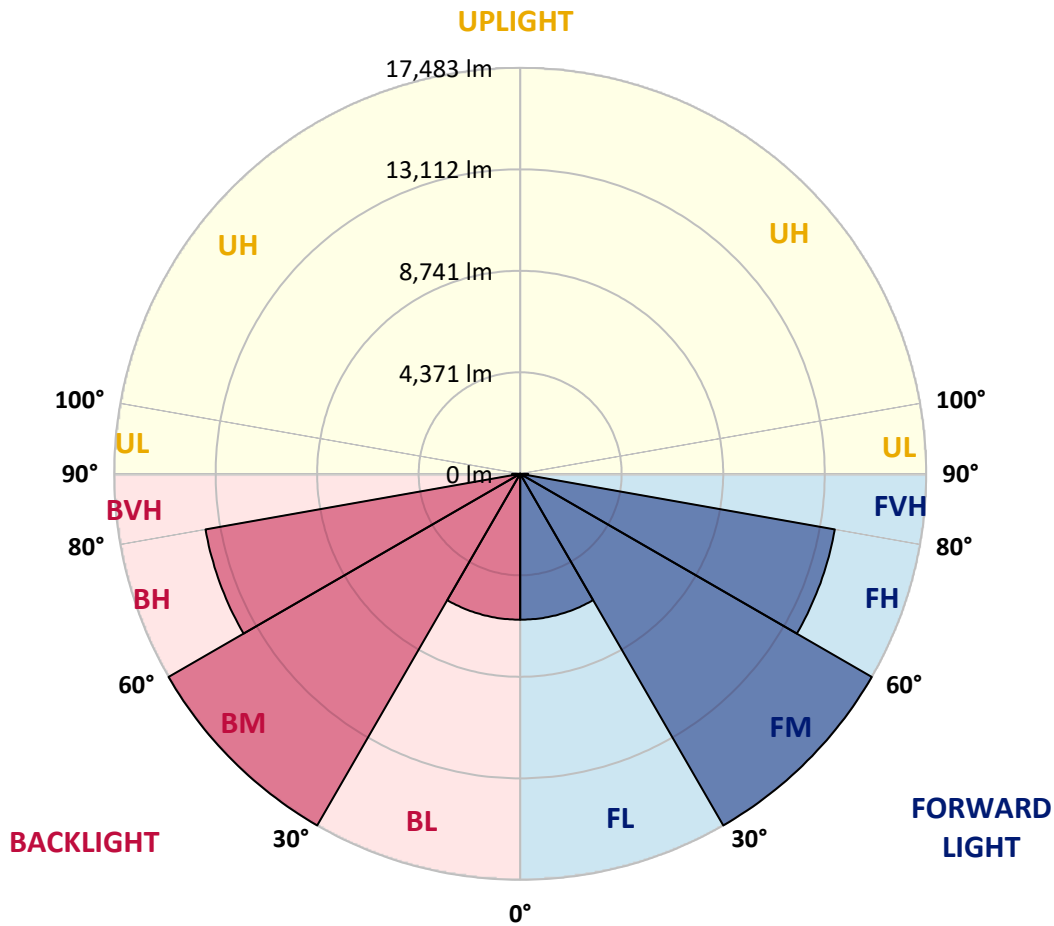
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6282.4	8.3			
FM (30°-60°)	17482.8	23.1			
FH (60°-80°)	13758.4	18.2			G5
FVH (80°-90°)	347.4	0.5			G3/500
BL (0°-30°)	6282.4	8.3	B5		
BM (30°-60°)	17482.8	23.1	B5		
BH (60°-80°)	13758.4	18.2	B5		G5
BVH (80°-90°)	347.4	0.5			G3/500
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°	14153.2	14153.2	14153.2	14153.2	14153.2	14153.2	14153.2	14153.2	14153.2	14153.2
2.5°	14165.3	14181.4	14181.4	14169.3	14197.5	14173.3	14173.3	14161.2	14173.3	14161.2
5°	14237.7	14257.9	14265.9	14261.9	14298.1	14278.0	14278.0	14261.9	14265.9	14253.8
7.5°	14374.6	14402.8	14418.9	14439.0	14491.3	14467.2	14451.1	14402.8	14382.6	14350.4
10°	14418.9	14451.1	14503.4	14608.1	14728.8	14732.8	14684.5	14563.8	14471.2	14398.7
12.5°	14282.0	14326.3	14435.0	14648.3	14918.0	15026.7	14950.2	14748.9	14567.8	14439.0
15°	14108.9	14157.2	14322.3	14644.3	15042.8	15296.4	15288.3	15022.7	14732.8	14531.6
17.5°	13839.2	13887.5	14125.0	14575.9	15139.4	15558.0	15670.8	15397.0	14990.5	14720.8
20°	13352.1	13396.4	13726.5	14358.5	15171.6	15835.8	16129.6	15888.1	15380.9	15014.6
22.5°	12720.2	12788.6	13175.0	13984.1	15095.1	16125.6	16652.9	16487.9	15835.8	15328.6
25°	12043.9	12116.4	12567.2	13525.2	14897.9	16334.9	17272.9	17168.2	16351.0	15719.1
27.5°	11460.2	11536.7	12027.8	13070.4	14592.0	16415.4	17884.7	17937.0	16975.0	16149.8
30°	11001.3	11073.8	11597.1	12704.1	14197.5	16334.9	18420.1	18782.4	17611.0	16524.1
32.5°	10498.2	10590.7	11142.2	12257.2	13730.5	16141.7	18887.0	19696.1	18347.6	16926.7
35°	9862.2	9946.7	10526.3	11645.4	13118.7	15831.8	19277.5	20710.5	19402.3	17538.5
37.5°	9089.3	9169.8	9745.4	10880.6	12510.8	15397.0	19575.4	21853.7	20658.2	18420.1
40°	8312.4	8388.9	8928.3	10027.2	11782.3	14841.5	19680.0	22972.8	22099.3	19631.7
42.5°	7599.9	7668.3	8163.4	9185.9	10965.1	14133.1	19543.2	23946.9	23391.4	20477.0
45°	6943.8	7004.1	7442.9	8396.9	10115.7	13271.6	19132.6	24993.5	24929.1	21080.8
47.5°	6195.0	6255.4	6710.3	7632.1	9266.4	12261.3	18436.2	26024.0	27066.6	22449.5
50°	5281.3	5333.6	5800.6	6750.5	8384.8	11186.5	17470.1	26833.1	29763.6	24522.5
52.5°	4198.5	4254.8	4709.7	5659.7	7338.2	10031.2	16198.1	27360.4	32879.2	27549.6
55°	3123.7	3163.9	3558.4	4411.8	6042.1	8714.9	14604.0	27509.4	36413.5	31687.7
57.5°	2266.3	2290.4	2544.0	3180.0	4580.9	7068.5	12667.8	27122.9	40620.0	36993.1
60°	1835.6	1843.6	1920.1	2201.9	3184.1	5208.8	10329.1	25794.6	45184.8	43832.2
62.5°	1666.5	1666.5	1686.6	1763.1	2153.6	3437.7	7499.3	23041.2	50079.6	52474.7
65°	1549.8	1549.8	1557.8	1594.0	1698.7	2189.8	4733.8	18556.9	54205.6	62598.5
67.5°	1445.1	1449.1	1445.1	1457.2	1517.6	1618.2	2745.3	12816.8	56427.6	73088.6
70°	1336.4	1344.5	1324.3	1324.3	1372.7	1376.7	1718.8	7028.3	54584.0	81880.0
72.5°	1207.6	1219.7	1187.5	1179.4	1215.7	1199.6	1292.1	3373.3	46863.3	84504.5
75°	1094.9	1111.0	1038.5	1018.4	1018.4	1006.3	1050.6	1730.9	30415.7	68934.4
77.5°	994.3	1026.5	909.7	845.3	829.2	793.0	857.4	1058.7	13303.8	32364.0
80°	821.2	865.5	748.7	672.2	644.1	603.8	676.3	740.7	3956.9	7515.4
82.5°	611.9	632.0	531.3	479.0	454.9	426.7	507.2	515.2	1288.1	2660.8
85°	390.5	398.5	326.1	281.8	269.7	257.6	322.0	281.8	491.1	1956.3
87.5°	136.9	157.0	124.8	112.7	120.8	100.6	148.9	84.5	136.9	1380.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

14153.2
14161.2
14253.8
14350.4
14386.7
14418.9
14499.4
14676.5
14946.2
15236.0
15590.2
16012.9
16326.9
16677.1
17260.8
18049.7
19237.2
19969.8
20396.5
21660.5
23532.3
26329.9
30162.1
35073.0
41413.0
49234.3
58500.7
68664.7
80716.7
87563.8
73732.7
31691.7
7197.4
3006.9
2841.9
1710.8
0.0

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