

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: P942673

Luminaire Tested: **GALN-SB6D-750-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942673  
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-SB6D-750-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

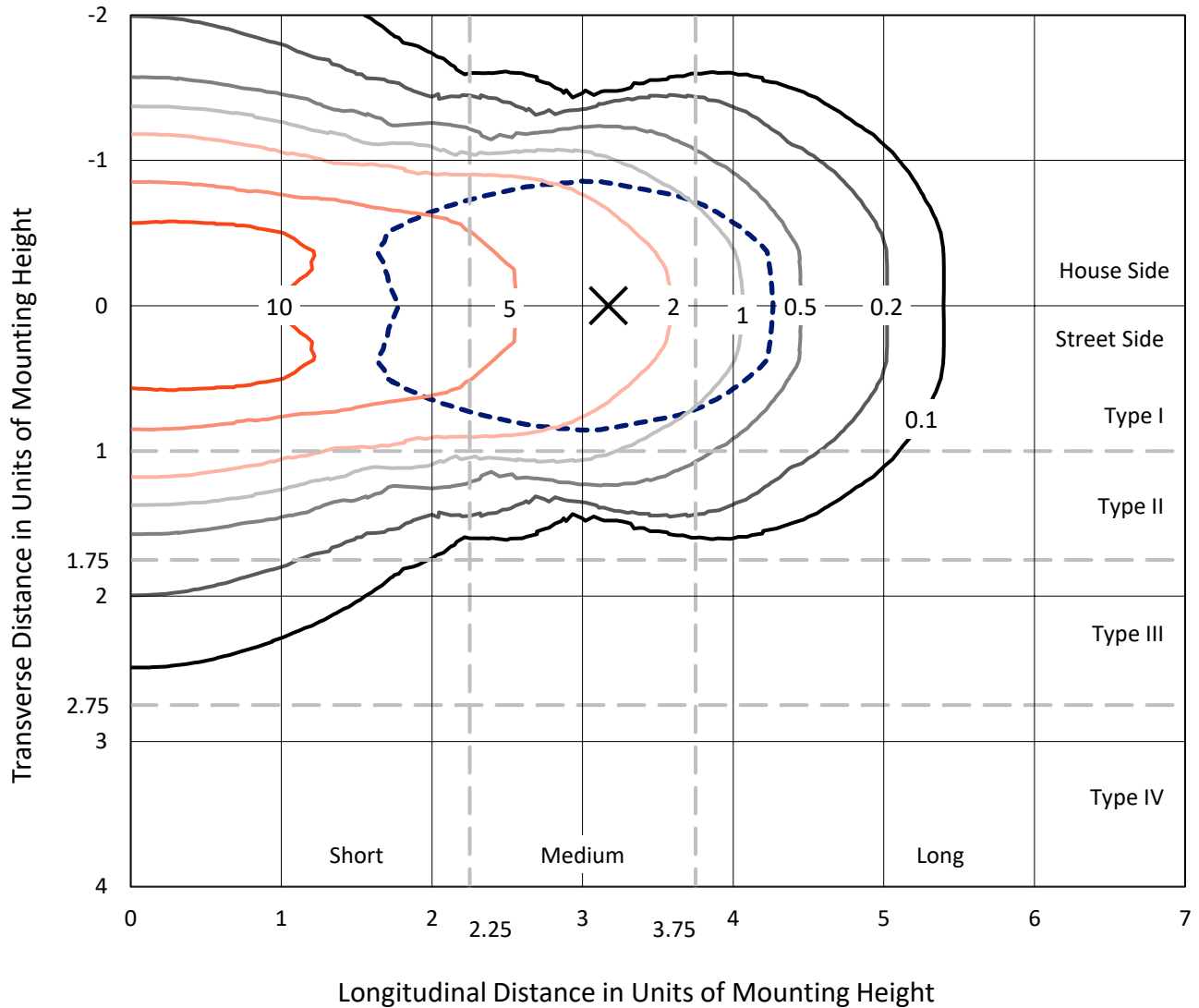
Lumens per Lamp: N/A  
Luminaire Lumens: 64585 lumens  
Efficiency: N/A  
Efficacy: 146.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

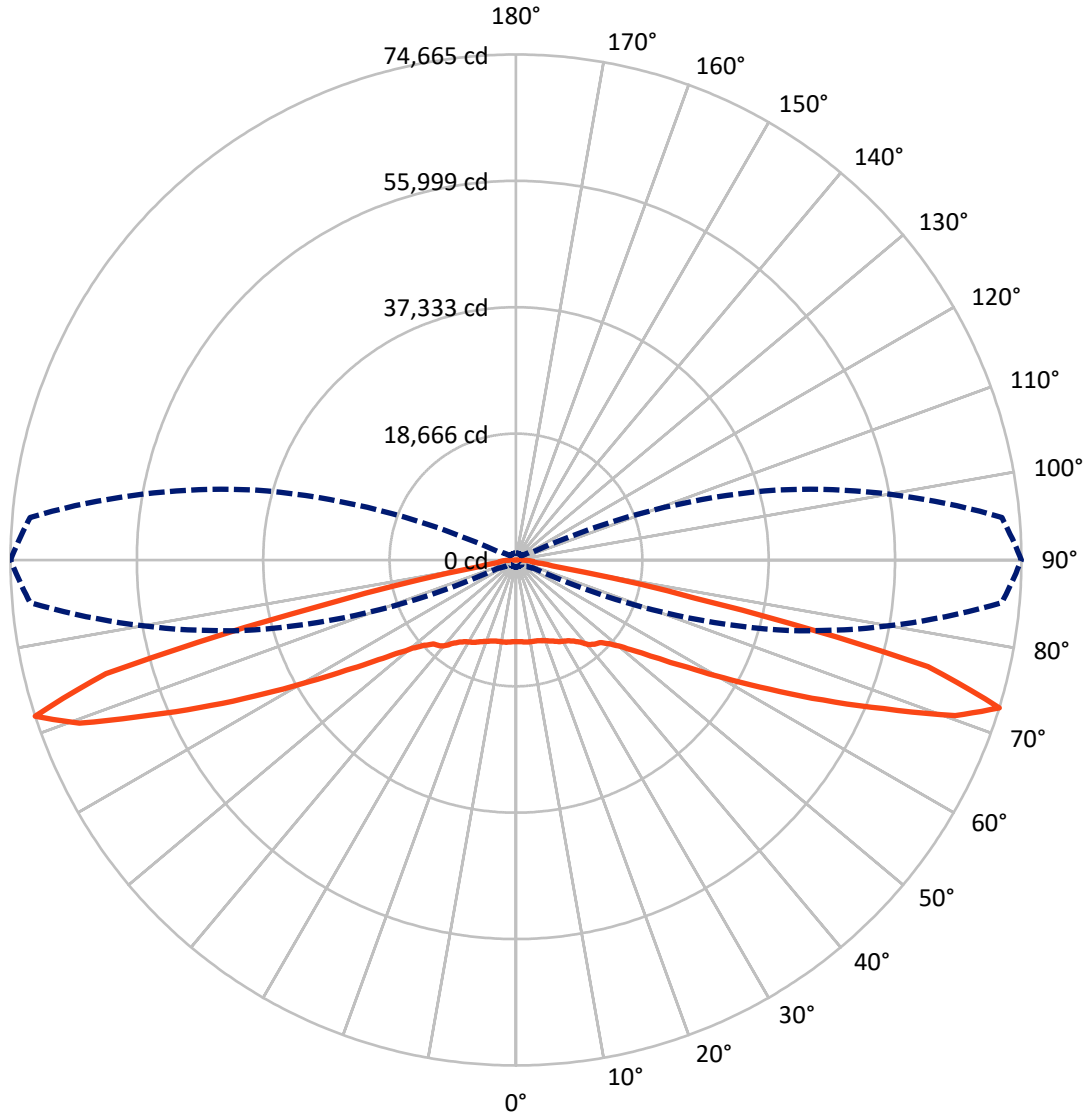
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.3 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	32292.5	0.0	32292.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	32292.5	0.0	32292.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	64585.0	0.0	64585.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1170.2	1.8
10°-20°	3577.9	5.5
20°-30°	5965.9	9.2
30°-40°	8204.9	12.7
40°-50°	10020.5	15.5
50°-60°	11589.7	17.9
60°-70°	13818.8	21.4
70°-80°	9644.7	14.9
80°-90°	592.4	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°	64585.0	100.0
0°-180°	64585.0	100.0

**Coefficient of Utilization**



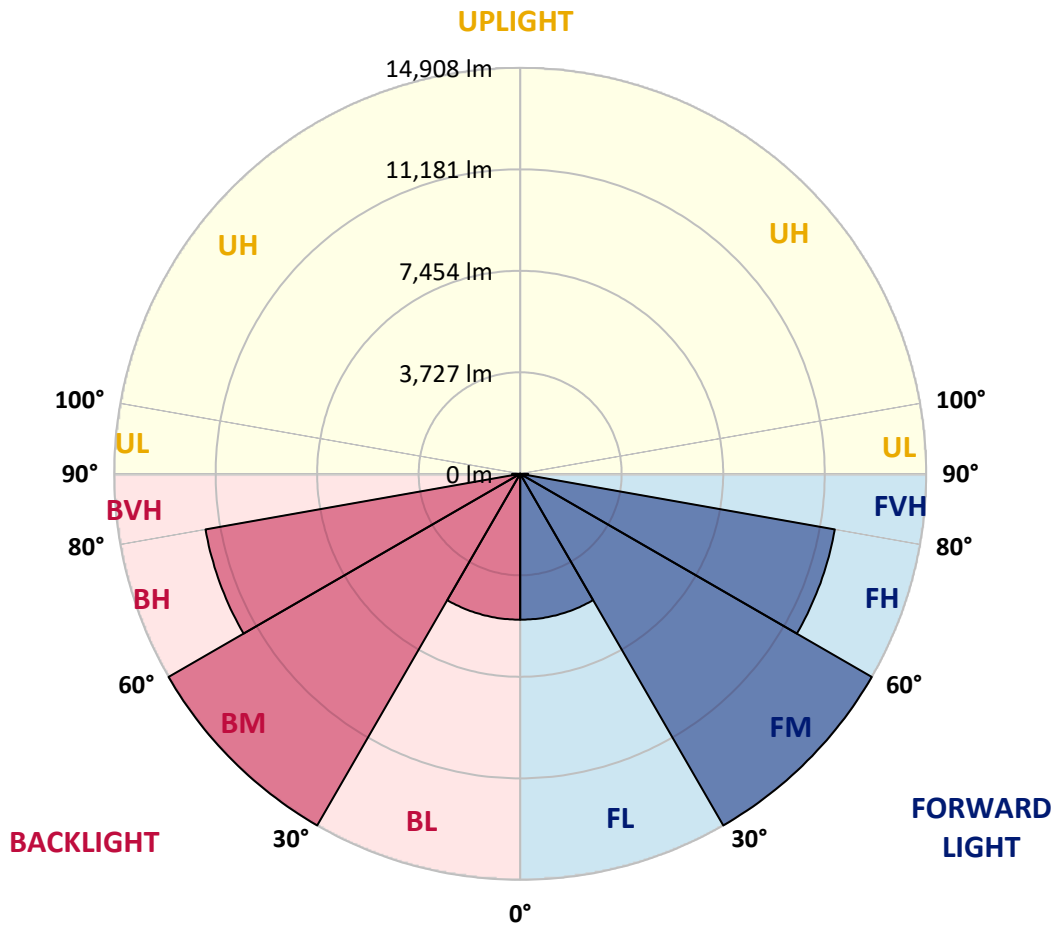
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5357.0	8.3			
FM (30°-60°)	14907.6	23.1			
FH (60°-80°)	11731.7	18.2			G4/12000
FVH (80°-90°)	296.2	0.5			G3/500
BL (0°-30°)	5357.0	8.3	B5		
BM (30°-60°)	14907.6	23.1	B5		
BH (60°-80°)	11731.7	18.2	B5		G5
BVH (80°-90°)	296.2	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°	12068.4	12068.4	12068.4	12068.4	12068.4	12068.4	12068.4	12068.4	12068.4	12068.4
2.5°	12078.7	12092.4	12092.4	12082.1	12106.1	12085.6	12085.6	12075.3	12085.6	12075.3
5°	12140.5	12157.6	12164.5	12161.1	12192.0	12174.8	12174.8	12161.1	12164.5	12154.2
7.5°	12257.2	12281.2	12294.9	12312.1	12356.7	12336.1	12322.4	12281.2	12264.0	12236.6
10°	12294.9	12322.4	12367.0	12456.3	12559.2	12562.7	12521.5	12418.5	12339.6	12277.8
12.5°	12178.2	12216.0	12308.7	12490.6	12720.5	12813.2	12748.0	12576.4	12421.9	12312.1
15°	12030.6	12071.8	12212.6	12487.1	12827.0	13043.2	13036.3	12809.8	12562.7	12391.0
17.5°	11800.7	11841.8	12044.4	12428.8	12909.3	13266.3	13362.4	13129.0	12782.3	12552.4
20°	11385.3	11423.1	11704.6	12243.4	12936.8	13503.1	13753.7	13547.8	13115.3	12802.9
22.5°	10846.4	10904.8	11234.3	11924.2	12871.6	13750.3	14199.9	14059.2	13503.1	13070.7
25°	10269.8	10331.6	10716.0	11532.9	12703.4	13928.8	14728.5	14639.3	13942.5	13403.6
27.5°	9772.1	9837.3	10256.1	11145.1	12442.5	13997.4	15250.2	15294.9	14474.5	13770.9
30°	9380.8	9442.6	9888.8	10832.7	12106.1	13928.8	15706.8	16015.7	15016.8	14090.1
32.5°	8951.8	9030.7	9500.9	10451.7	11708.0	13764.0	16104.9	16794.8	15645.0	14433.3
35°	8409.4	8481.5	8975.8	9930.0	11186.3	13499.7	16437.9	17659.8	16544.3	14955.1
37.5°	7750.4	7819.1	8309.9	9277.8	10668.0	13129.0	16691.9	18634.6	17615.2	15706.8
40°	7087.9	7153.2	7613.1	8550.2	10046.7	12655.3	16781.1	19588.8	18844.0	16739.9
42.5°	6480.4	6538.8	6960.9	7832.8	9349.9	12051.2	16664.4	20419.5	19945.8	17460.7
45°	5920.9	5972.4	6346.5	7160.0	8625.7	11316.7	16314.3	21311.9	21257.0	17975.6
47.5°	5282.5	5334.0	5721.8	6507.9	7901.4	10455.2	15720.5	22190.6	23079.6	19142.6
50°	4503.3	4548.0	4946.1	5756.2	7149.7	9538.7	14896.7	22880.5	25379.3	20910.3
52.5°	3580.0	3628.1	4015.9	4826.0	6257.3	8553.6	13812.1	23330.2	28036.0	23491.5
55°	2663.6	2697.9	3034.3	3761.9	5152.1	7431.2	12452.8	23457.2	31049.7	27020.0
57.5°	1932.5	1953.0	2169.3	2711.6	3906.1	6027.3	10801.8	23127.6	34636.6	31543.9
60°	1565.2	1572.0	1637.3	1877.5	2715.0	4441.6	8807.6	21994.9	38528.9	37375.6
62.5°	1421.0	1421.0	1438.2	1503.4	1836.3	2931.3	6394.6	19647.2	42702.7	44745.0
65°	1321.5	1321.5	1328.3	1359.2	1448.5	1867.2	4036.5	15823.5	46221.0	53377.6
67.5°	1232.2	1235.7	1232.2	1242.5	1294.0	1379.8	2340.9	10928.8	48115.7	62322.5
70°	1139.6	1146.4	1129.3	1129.3	1170.5	1173.9	1465.6	5993.0	46543.6	69818.9
72.5°	1029.7	1040.0	1012.6	1005.7	1036.6	1022.9	1101.8	2876.4	39960.2	72056.8
75°	933.6	947.3	885.6	868.4	868.4	858.1	895.9	1475.9	25935.4	58780.2
77.5°	847.8	875.3	775.7	720.8	707.1	676.2	731.1	902.7	11344.1	27596.7
80°	700.2	738.0	638.4	573.2	549.2	514.9	576.6	631.6	3374.1	6408.3
82.5°	521.7	538.9	453.1	408.5	387.9	363.8	432.5	439.3	1098.4	2268.8
85°	332.9	339.8	278.0	240.3	230.0	219.7	274.6	240.3	418.8	1668.2
87.5°	116.7	133.9	106.4	96.1	103.0	85.8	127.0	72.1	116.7	1177.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

12068.4  
12075.3  
12154.2  
12236.6  
12267.5  
12294.9  
12363.6  
12514.6  
12744.6  
12991.7  
13293.8  
13654.2  
13921.9  
14220.5  
14718.2  
15391.0  
16403.5  
17028.2  
17392.1  
18469.9  
20065.9  
22451.5  
25719.1  
29906.7  
35312.7  
41981.9  
49883.4  
58550.2  
68826.9  
74665.4  
62871.6  
27023.4  
6137.2  
2564.0  
2423.3  
1458.8  
0.0

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