

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: P953146

Luminaire Tested: **GALN-SB6D-750-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953146  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)  
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-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

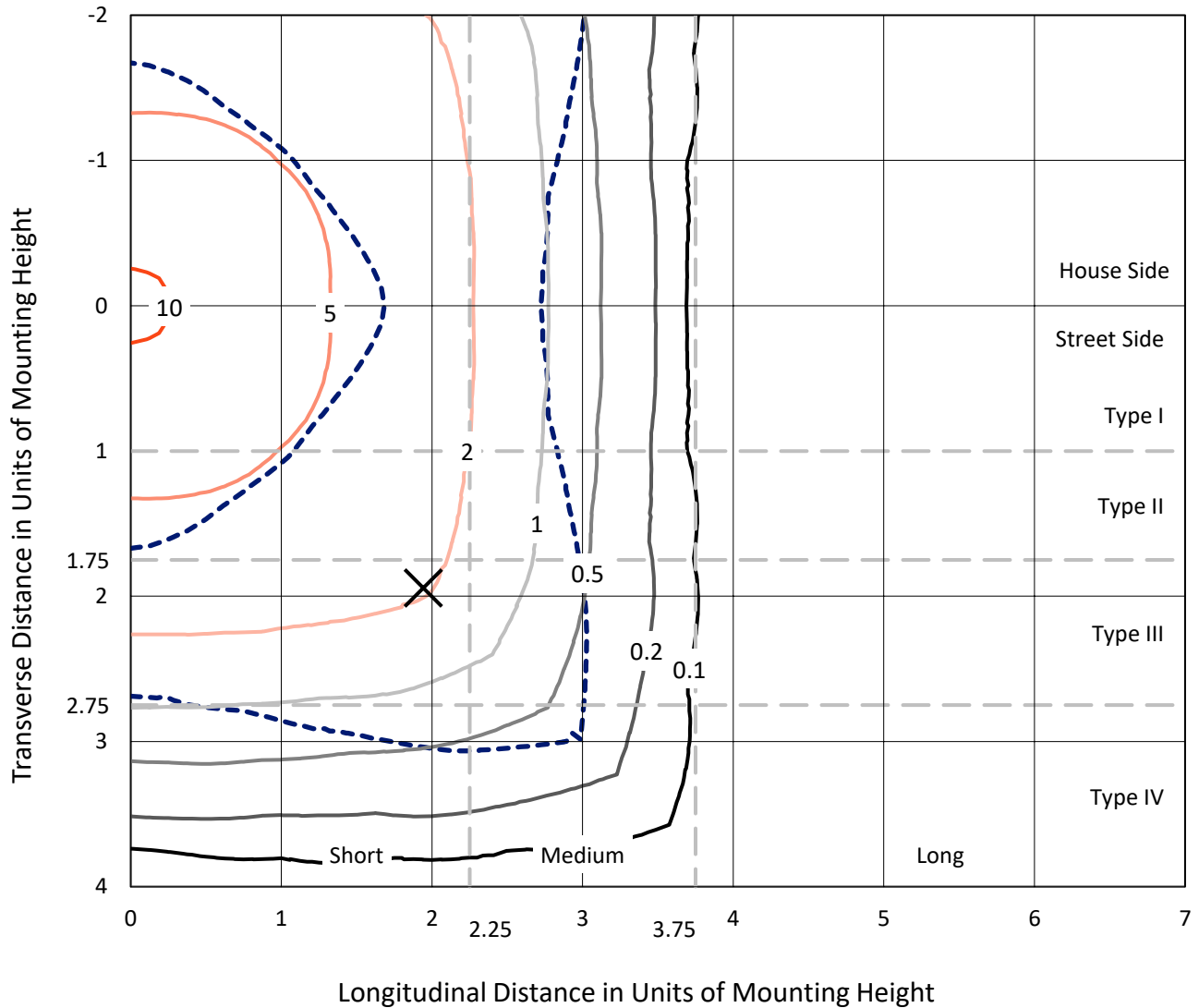
Lumens per Lamp: N/A  
Luminaire Lumens: 68371 lumens  
Efficiency: N/A  
Efficacy: 155.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

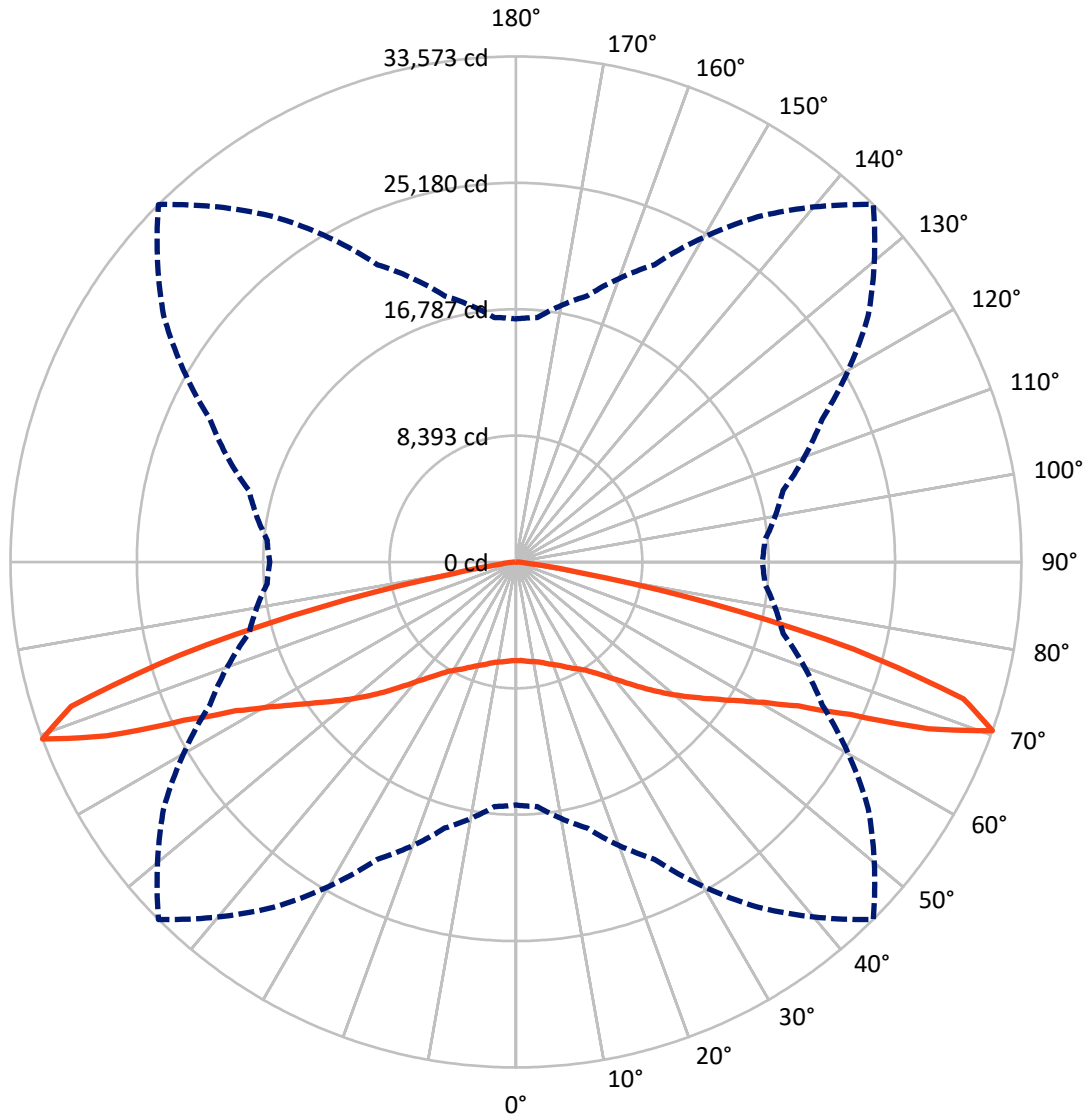
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	34185.5	0.0	34185.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	34185.5	0.0	34185.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	68371.0	0.0	68371.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	636.3	0.9
10°-20°	1973.0	2.9
20°-30°	3525.9	5.2
30°-40°	5715.5	8.4
40°-50°	9309.6	13.6
50°-60°	14193.9	20.8
60°-70°	21116.0	30.9
70°-80°	11508.9	16.8
80°-90°	391.9	0.6
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°	68371.0	100.0
0°-180°	68371.0	100.0

**Coefficient of Utilization**



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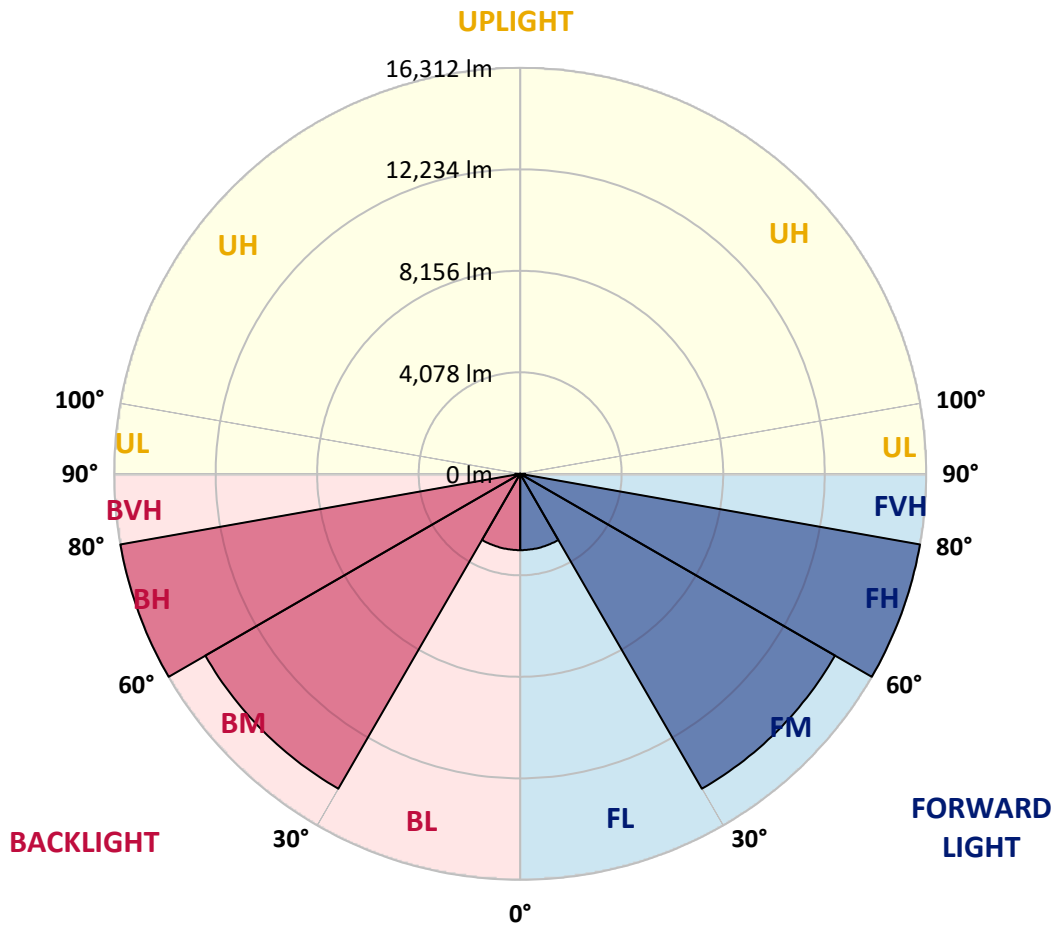
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3067.6	4.5			
FM (30°-60°)	14609.5	21.4			
FH (60°-80°)	16312.5	23.9			G5
FVH (80°-90°)	196.0	0.3			G2/225
BL (0°-30°)	3067.6	4.5	B4/5000		
BM (30°-60°)	14609.5	21.4	B5		
BH (60°-80°)	16312.5	23.9	B5		G5
BVH (80°-90°)	196.0	0.3			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 V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6549.2	6549.2	6549.2	6549.2	6549.2	6549.2	6549.2	6549.2	6549.2	6549.2
2.5°	6580.1	6587.0	6573.3	6566.4	6559.5	6549.2	6552.7	6569.8	6583.6	6580.1
5°	6635.0	6641.9	6631.6	6628.2	6614.5	6611.0	6611.0	6628.2	6638.5	6631.6
7.5°	6696.8	6707.1	6690.0	6686.5	6679.7	6672.8	6669.4	6686.5	6696.8	6696.8
10°	6755.2	6765.5	6751.8	6741.5	6734.6	6734.6	6727.7	6741.5	6758.6	6755.2
12.5°	6817.0	6823.8	6810.1	6803.2	6803.2	6813.5	6803.2	6810.1	6823.8	6817.0
15°	6892.5	6895.9	6892.5	6902.8	6919.9	6954.3	6923.4	6916.5	6923.4	6906.2
17.5°	6995.5	7002.3	7016.1	7040.1	7064.1	7125.9	7071.0	7053.8	7053.8	7019.5
20°	7122.5	7132.8	7153.4	7194.5	7225.4	7283.8	7228.9	7204.8	7194.5	7149.9
22.5°	7256.3	7273.5	7304.4	7359.3	7414.2	7469.1	7414.2	7373.0	7342.1	7283.8
25°	7410.8	7431.4	7479.4	7568.7	7644.2	7723.2	7657.9	7575.6	7513.8	7431.4
27.5°	7630.5	7654.5	7712.9	7822.7	7918.8	7987.5	7925.7	7819.3	7733.5	7633.9
30°	7939.4	7963.4	8032.1	8148.8	8214.0	8258.6	8217.4	8135.1	8032.1	7918.8
32.5°	8337.6	8368.5	8444.0	8553.8	8567.6	8574.4	8560.7	8519.5	8444.0	8306.7
35°	8842.2	8876.5	8962.3	9051.5	9037.8	9051.5	9030.9	9017.2	8962.3	8804.4
37.5°	9460.0	9501.2	9590.4	9659.1	9624.8	9607.6	9611.0	9614.5	9583.6	9408.5
40°	10177.4	10232.3	10297.5	10369.6	10311.3	10259.8	10294.1	10321.6	10294.1	10115.6
42.5°	10915.4	10994.3	11063.0	11166.0	11117.9	11052.7	11100.7	11131.6	11073.3	10881.1
45°	11735.8	11811.3	11900.5	12055.0	12020.7	11952.0	12020.7	12027.5	11928.0	11701.4
47.5°	12583.6	12662.5	12796.4	13002.4	12988.6	12913.1	13002.4	12954.3	12827.3	12556.1
50°	13386.8	13496.6	13702.6	13990.9	14018.4	13925.7	14045.8	13953.2	13740.3	13400.5
52.5°	14142.0	14258.7	14584.7	14976.1	15075.6	14955.5	15116.8	14955.5	14636.2	14200.3
55°	14934.9	15065.3	15453.2	15964.6	16163.7	16074.5	16225.5	15981.8	15528.7	15000.1
57.5°	15868.5	15947.5	16410.8	17018.4	17354.8	17375.4	17444.0	17032.1	16482.9	15882.2
60°	16881.1	16990.9	17495.5	18223.2	18755.2	18926.9	18854.8	18243.8	17605.4	16915.4
62.5°	18178.6	18298.7	18902.8	19774.7	20615.7	21041.3	20759.8	19874.2	19084.8	18257.5
65°	19253.0	19386.8	20478.4	22033.3	23564.2	24418.9	23711.8	22081.4	20660.3	19493.2
67.5°	18473.8	18638.5	20351.4	23207.2	27013.9	29564.2	27144.3	23557.3	20773.6	19191.2
70°	16146.5	16301.0	18298.7	21789.6	27985.3	33573.4	28568.8	22431.5	18363.9	16592.8
72.5°	10719.7	11217.5	13239.2	17426.9	24988.7	31067.7	25235.8	17073.3	12281.5	10695.7
75°	3556.1	3954.3	5334.1	9034.4	16736.9	23234.7	15933.7	7994.3	4225.4	3041.2
77.5°	895.9	1033.2	1424.5	2584.7	6676.2	13228.9	6010.3	2111.0	1149.9	803.2
80°	435.9	480.6	686.5	861.6	1671.6	4204.8	1568.7	810.1	542.3	418.8
82.5°	240.3	243.7	387.9	487.4	621.3	1088.1	645.3	473.7	312.4	254.0
85°	147.6	144.2	206.0	260.9	260.9	387.9	308.9	260.9	178.5	157.9
87.5°	58.4	58.4	75.5	82.4	72.1	99.5	78.9	85.8	68.7	65.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
6549.2
6583.6
6635.0
6696.8
6755.2
6813.5
6906.2
7019.5
7149.9
7280.4
7428.0
7630.5
7918.8
8310.1
8804.4
9408.5
10115.6
10894.8
11725.5
12539.0
13393.7
14159.1
14928.0
15799.9
16805.6
18113.4
19301.0
18954.3
16355.9
10349.0
2876.4
717.4
384.4
254.0
164.8
68.7
0.0

OF REPORT)