

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: P953318

Luminaire Tested: **GALN-SB6D-930-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953318
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6D-930-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44204 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

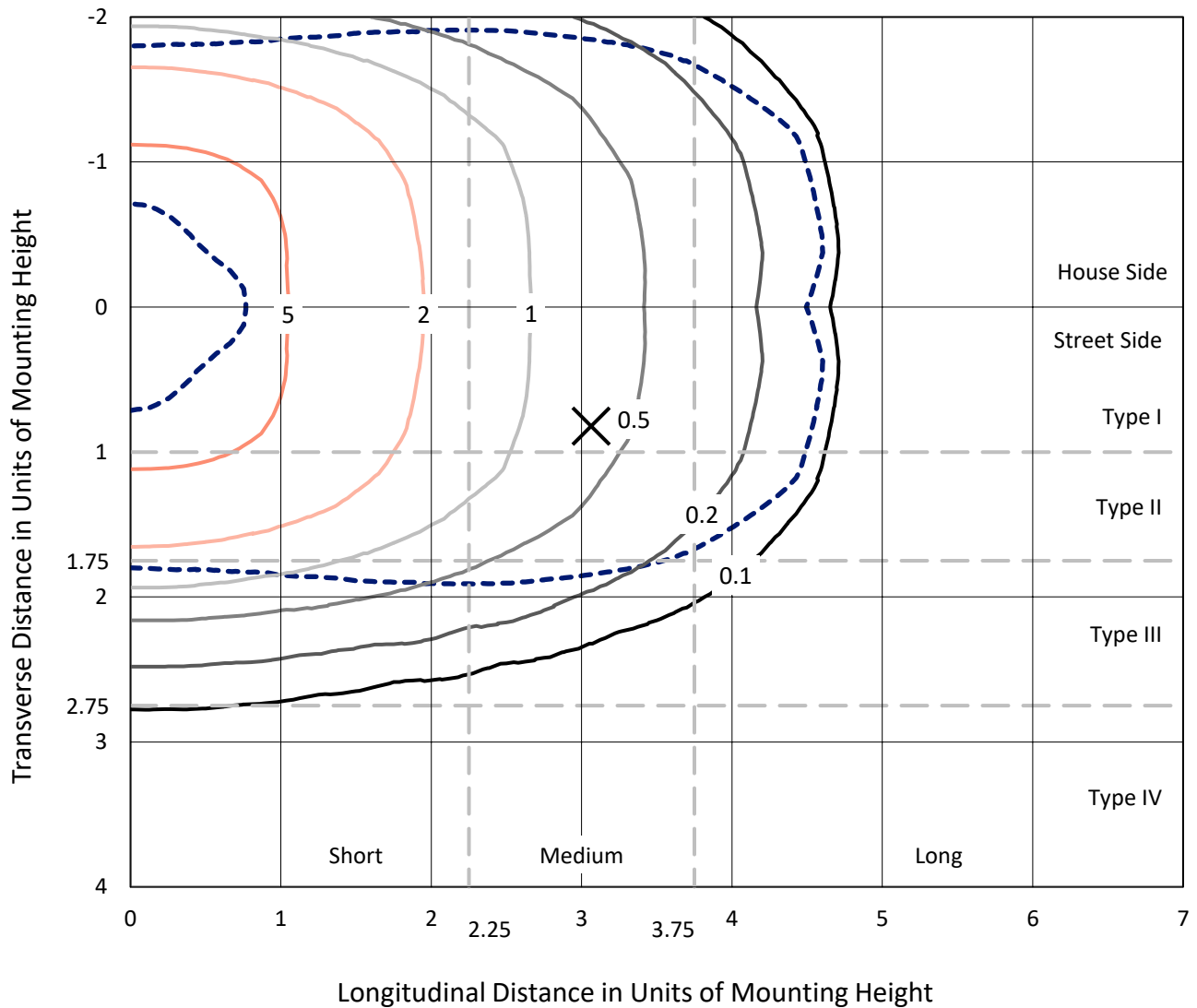
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

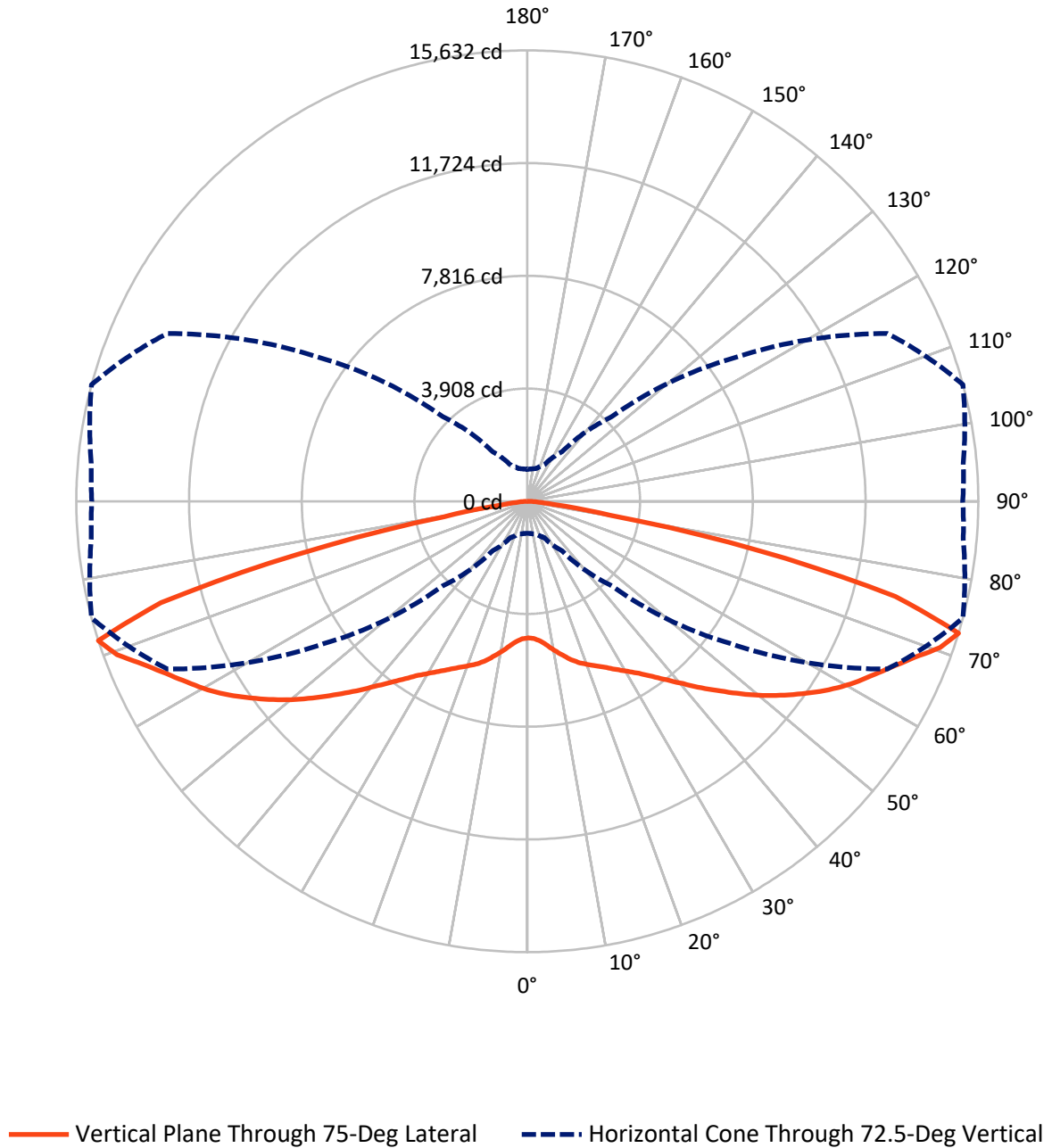
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22102.0	0.0	22102.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22102.0	0.0	22102.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	44204.0	0.0	44204.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	463.8	1.0
10°-20°	1529.8	3.5
20°-30°	2956.1	6.7
30°-40°	4991.5	11.3
40°-50°	7916.0	17.9
50°-60°	10598.6	24.0
60°-70°	10086.5	22.8
70°-80°	5263.3	11.9
80°-90°	398.4	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°	44204.0	100.0
0°-180°	44204.0	100.0

Coefficient of Utilization



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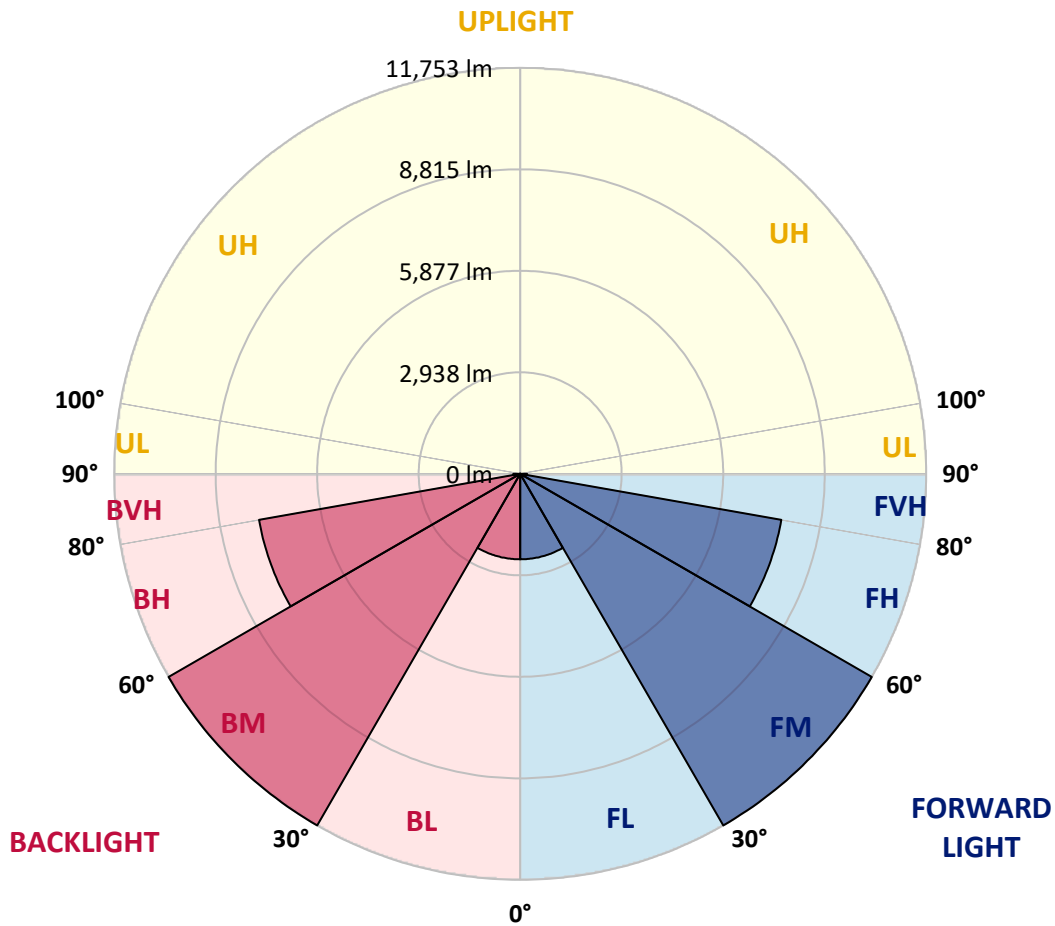
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2474.9	5.6			
FM (30°-60°)	11753.1	26.6			
FH (60°-80°)	7674.9	17.4			G4/12000
FVH (80°-90°)	199.2	0.5			G2/225
BL (0°-30°)	2474.9	5.6	B3/2500		
BM (30°-60°)	11753.1	26.6	B5		
BH (60°-80°)	7674.9	17.4	B5		G5
BVH (80°-90°)	199.2	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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4735.0	4735.0	4735.0	4735.0	4735.0	4735.0	4735.0	4735.0	4735.0	4735.0
2.5°	4735.0	4730.5	4735.0	4739.6	4737.3	4737.3	4748.6	4755.4	4768.9	4766.6
5°	4703.4	4701.2	4719.2	4739.6	4755.4	4782.4	4816.3	4841.1	4872.7	4879.5
7.5°	4687.6	4680.9	4712.5	4748.6	4798.2	4865.9	4931.4	4999.1	5053.3	5071.3
10°	4698.9	4701.2	4744.1	4811.8	4890.8	4985.6	5078.1	5193.2	5269.9	5288.0
12.5°	4750.8	4746.3	4818.5	4926.9	5035.2	5154.8	5263.2	5389.5	5473.1	5515.9
15°	4845.6	4836.6	4938.2	5098.4	5256.4	5396.3	5484.3	5604.0	5701.0	5755.2
17.5°	4958.5	4963.0	5096.1	5303.8	5511.4	5669.4	5752.9	5813.9	5888.3	5935.7
20°	5157.1	5166.1	5315.1	5561.1	5798.1	5978.6	6046.3	6023.7	6044.1	6080.2
22.5°	5423.4	5427.9	5594.9	5861.2	6109.5	6308.1	6353.3	6260.7	6204.3	6229.1
25°	5732.6	5761.9	5929.0	6202.0	6457.1	6646.7	6667.0	6527.0	6387.1	6393.9
27.5°	6109.5	6136.6	6305.9	6576.7	6836.2	7001.0	6998.7	6811.4	6606.0	6554.1
30°	6518.0	6547.4	6721.1	7001.0	7242.5	7386.9	7355.3	7131.9	6838.5	6741.5
32.5°	7003.3	7021.3	7197.4	7477.2	7700.6	7815.7	7750.3	7475.0	7109.3	6998.7
35°	7590.1	7617.1	7748.0	8012.1	8208.5	8303.2	8192.7	7867.7	7456.9	7332.8
37.5°	8260.4	8242.3	8391.3	8626.0	8788.5	8847.2	8696.0	8310.0	7854.1	7707.4
40°	8960.0	8951.0	9113.5	9339.2	9427.2	9463.3	9239.9	8817.8	8312.3	8154.3
42.5°	9594.2	9587.4	9806.4	10056.9	10163.0	10122.3	9840.2	9357.2	8842.7	8662.1
45°	10102.0	10093.0	10361.6	10713.6	10921.3	10853.6	10474.4	9953.1	9379.8	9192.5
47.5°	10492.5	10497.0	10785.9	11221.5	11584.8	11609.6	11122.2	10560.2	9971.1	9759.0
50°	10774.6	10788.1	11097.3	11580.3	12076.8	12295.8	11783.4	11183.1	10582.7	10343.5
52.5°	10844.5	10869.4	11241.8	11808.3	12392.8	12810.3	12456.0	11781.2	11162.8	10934.8
55°	10472.2	10521.8	10993.5	11790.2	12586.9	13148.9	13047.3	12388.3	11747.3	11512.6
57.5°	9616.8	9686.7	10237.4	11277.9	12544.0	13381.3	13505.5	12970.6	12331.9	12106.2
60°	8418.3	8501.9	9030.0	10165.2	11939.2	13467.1	13828.2	13537.1	12869.0	12650.1
62.5°	6610.5	6718.9	7350.8	8682.4	10661.7	13067.6	14103.6	14049.4	13352.0	13078.9
65°	4240.8	4355.9	5021.7	6594.8	8957.8	11844.4	14189.3	14548.2	13862.1	13480.6
67.5°	2557.1	2609.0	2938.5	3997.0	6547.4	10000.5	13462.6	15101.1	14457.9	13983.9
70°	1636.3	1665.6	1862.0	2347.2	3701.4	7296.7	11661.6	15204.9	15180.1	14500.8
72.5°	1110.4	1119.4	1171.3	1390.3	2094.4	4146.0	8601.2	13765.0	15631.5	15166.6
75°	812.5	862.1	945.7	984.0	1189.4	2071.9	4929.1	9670.9	13173.7	13376.8
77.5°	604.9	607.1	722.2	767.4	848.6	1103.6	2085.4	5398.6	8179.1	8587.6
80°	512.3	485.2	483.0	618.4	638.7	688.4	932.1	1864.2	2929.5	1776.2
82.5°	426.6	397.2	358.9	483.0	435.6	422.0	404.0	758.3	932.1	458.2
85°	297.9	284.4	270.8	316.0	248.3	212.2	194.1	354.3	392.7	194.1
87.5°	128.6	133.2	135.4	139.9	103.8	74.5	74.5	99.3	99.3	76.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4735.0
4764.4
4879.5
5075.8
5306.0
5534.0
5775.5
5958.3
6107.3
6247.2
6405.2
6569.9
6752.7
7025.8
7350.8
7734.5
8206.2
8707.2
9235.4
9822.2
10415.7
10993.5
11578.1
12158.1
12697.5
13110.5
13528.0
14020.1
14496.3
15094.3
12884.8
7660.0
1342.9
390.4
171.5
56.4
0.0

OF REPORT)