

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: P942363

Luminaire Tested: **GALN-SB6B-830-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942363
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-SB6B-830-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30353 lumens
Efficiency: N/A
Efficacy: 137.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

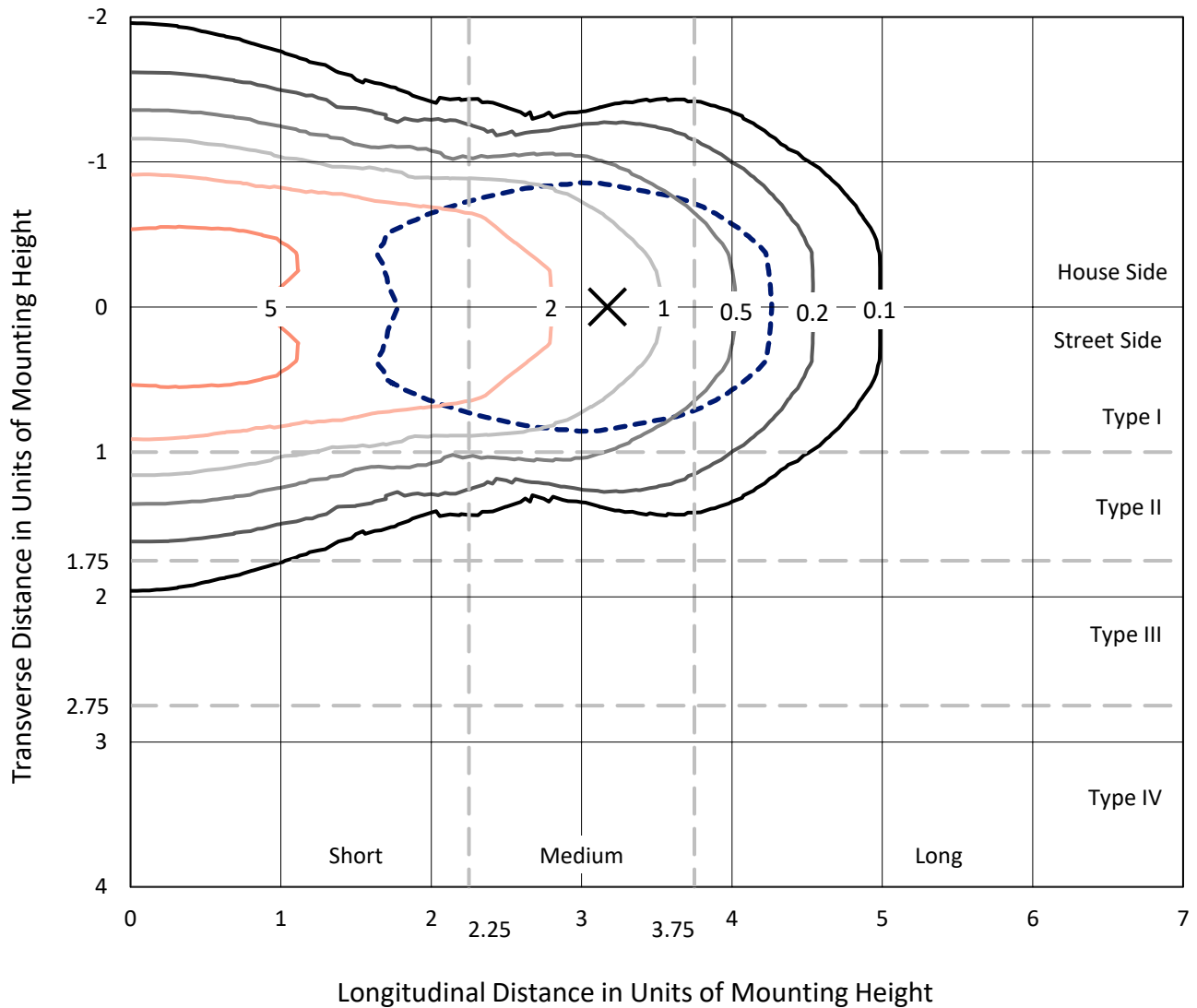
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

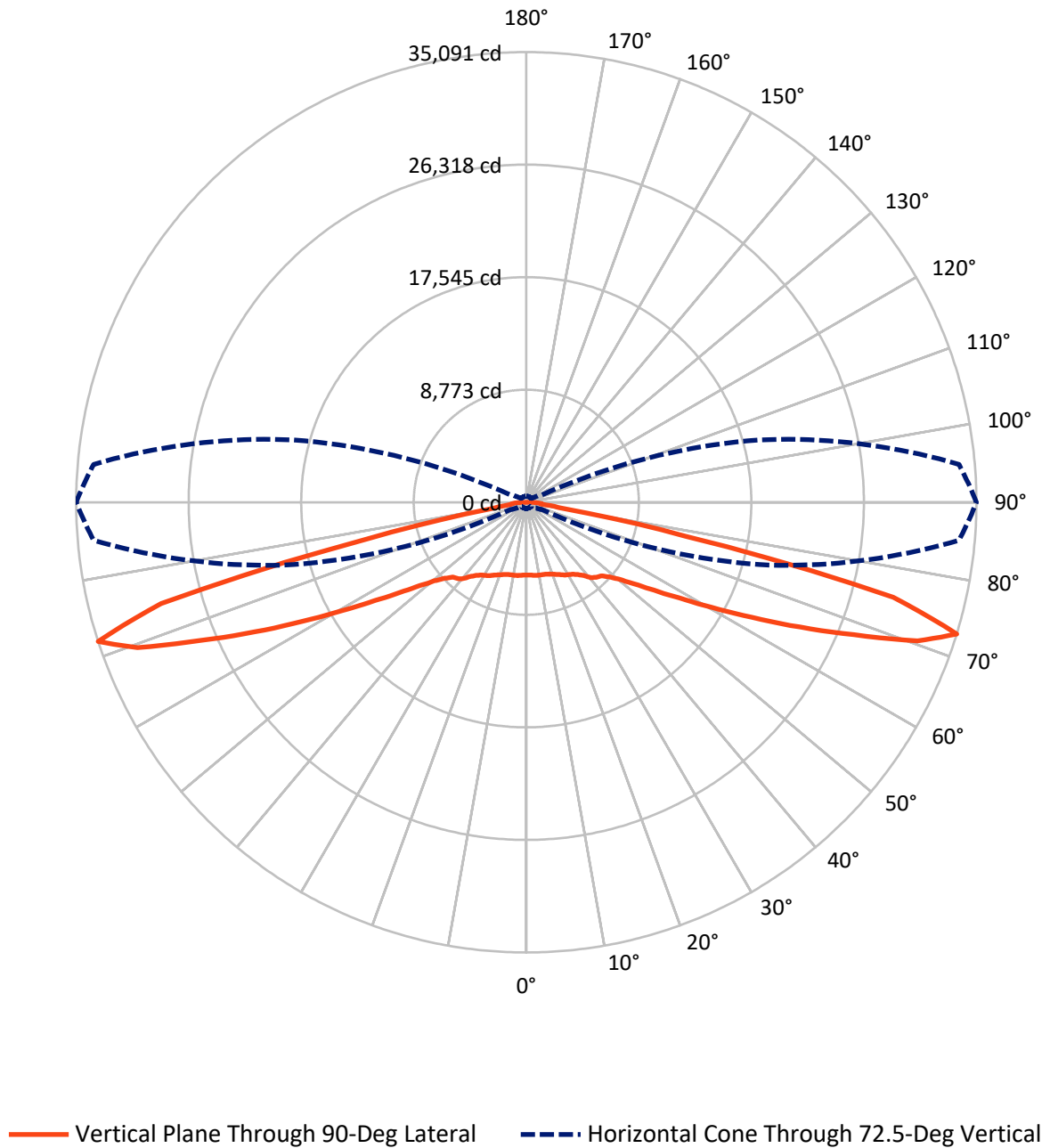
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 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	15176.5	0.0	15176.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15176.5	0.0	15176.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	30353.0	0.0	30353.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	549.9	1.8
10°-20°	1681.5	5.5
20°-30°	2803.8	9.2
30°-40°	3856.1	12.7
40°-50°	4709.3	15.5
50°-60°	5446.8	17.9
60°-70°	6494.4	21.4
70°-80°	4532.7	14.9
80°-90°	278.4	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°	30353.0	100.0
0°-180°	30353.0	100.0

Coefficient of Utilization



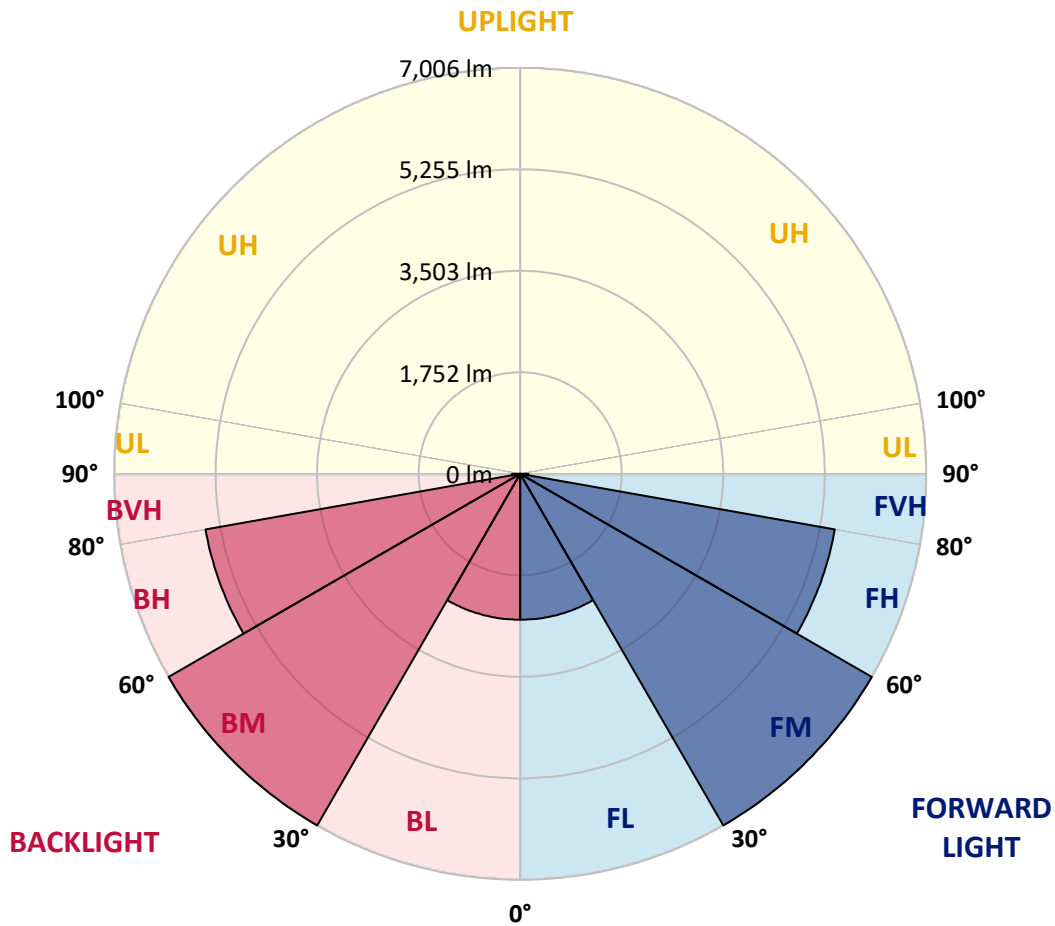
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2517.6	8.3			
FM (30°-60°)	7006.1	23.1			
FH (60°-80°)	5513.6	18.2			G3/7500
FVH (80°-90°)	139.2	0.5			G2/225
BL (0°-30°)	2517.6	8.3	B4/5000		
BM (30°-60°)	7006.1	23.1	B4/8500		
BH (60°-80°)	5513.6	18.2	B5		G5
BVH (80°-90°)	139.2	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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5671.8	5671.8	5671.8	5671.8	5671.8	5671.8	5671.8	5671.8	5671.8	5671.8
2.5°	5676.6	5683.1	5683.1	5678.2	5689.5	5679.8	5679.8	5675.0	5679.8	5675.0
5°	5705.7	5713.7	5716.9	5715.3	5729.9	5721.8	5721.8	5715.3	5716.9	5712.1
7.5°	5760.5	5771.8	5778.2	5786.3	5807.3	5797.6	5791.2	5771.8	5763.7	5750.8
10°	5778.2	5791.2	5812.1	5854.1	5902.5	5904.1	5884.7	5836.3	5799.2	5770.2
12.5°	5723.4	5741.1	5784.7	5870.2	5978.3	6021.8	5991.2	5910.5	5837.9	5786.3
15°	5654.0	5673.4	5739.5	5868.6	6028.3	6129.9	6126.7	6020.2	5904.1	5823.4
17.5°	5546.0	5565.3	5660.5	5841.2	6067.0	6234.8	6279.9	6170.2	6007.3	5899.2
20°	5350.8	5368.5	5500.8	5754.0	6079.9	6346.1	6463.8	6367.0	6163.8	6017.0
22.5°	5097.5	5124.9	5279.8	5604.0	6049.3	6462.2	6673.5	6607.4	6346.1	6142.8
25°	4826.5	4855.5	5036.2	5420.1	5970.2	6546.1	6922.0	6880.0	6552.5	6299.3
27.5°	4592.6	4623.2	4820.0	5237.8	5847.6	6578.4	7167.2	7188.1	6802.6	6471.9
30°	4408.7	4437.7	4647.4	5091.1	5689.5	6546.1	7381.7	7526.9	7057.5	6621.9
32.5°	4207.1	4244.2	4465.2	4912.0	5502.4	6468.7	7568.8	7893.1	7352.7	6783.2
35°	3952.2	3986.1	4218.3	4666.8	5257.2	6344.5	7725.3	8299.6	7775.3	7028.4
37.5°	3642.5	3674.7	3905.4	4360.3	5013.6	6170.2	7844.7	8757.7	8278.6	7381.7
40°	3331.1	3361.8	3577.9	4018.3	4721.6	5947.6	7886.6	9206.2	8856.1	7867.3
42.5°	3045.6	3073.0	3271.4	3681.2	4394.2	5663.7	7831.8	9596.5	9373.9	8206.0
45°	2782.7	2806.9	2982.7	3365.0	4053.8	5318.5	7667.2	10015.9	9990.1	8448.0
47.5°	2482.6	2506.8	2689.1	3058.5	3713.4	4913.6	7388.2	10428.9	10846.7	8996.4
50°	2116.4	2137.4	2324.5	2705.2	3360.2	4482.9	7001.0	10753.1	11927.5	9827.2
52.5°	1682.5	1705.1	1887.4	2268.1	2940.7	4019.9	6491.3	10964.5	13176.1	11040.3
55°	1251.8	1267.9	1426.0	1768.0	2421.3	3492.4	5852.4	11024.2	14592.4	12698.6
57.5°	908.2	917.9	1019.5	1274.4	1835.7	2832.7	5076.5	10869.3	16278.1	14824.7
60°	735.6	738.8	769.5	882.4	1276.0	2087.4	4139.3	10337.0	18107.4	17565.4
62.5°	667.8	667.8	675.9	706.6	863.0	1377.6	3005.3	9233.6	20069.0	21028.8
65°	621.1	621.1	624.3	638.8	680.7	877.5	1897.0	7436.5	21722.5	25085.8
67.5°	579.1	580.7	579.1	584.0	608.2	648.5	1100.2	5136.2	22612.9	29289.7
70°	535.6	538.8	530.7	530.7	550.1	551.7	688.8	2816.5	21874.1	32812.8
72.5°	483.9	488.8	475.9	472.6	487.2	480.7	517.8	1351.8	18780.1	33864.5
75°	438.8	445.2	416.2	408.1	408.1	403.3	421.0	693.6	12188.8	27624.9
77.5°	398.4	411.3	364.6	338.8	332.3	317.8	343.6	424.3	5331.4	12969.6
80°	329.1	346.8	300.0	269.4	258.1	242.0	271.0	296.8	1585.7	3011.7
82.5°	245.2	253.3	212.9	192.0	182.3	171.0	203.3	206.5	516.2	1066.3
85°	156.5	159.7	130.7	112.9	108.1	103.2	129.1	112.9	196.8	784.0
87.5°	54.8	62.9	50.0	45.2	48.4	40.3	59.7	33.9	54.8	553.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5671.8
5675.0
5712.1
5750.8
5765.3
5778.2
5810.5
5881.5
5989.6
6105.7
6247.7
6417.0
6542.9
6683.2
6917.1
7233.3
7709.2
8002.8
8173.7
8680.3
9430.4
10551.5
12087.2
14055.2
16595.9
19730.2
23443.7
27516.8
32346.6
35090.5
29547.8
12700.2
2884.3
1205.0
1138.9
685.6
0.0

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