

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: P942703

Luminaire Tested: **GALN-SB6D-830-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942703
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-830-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 54853 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

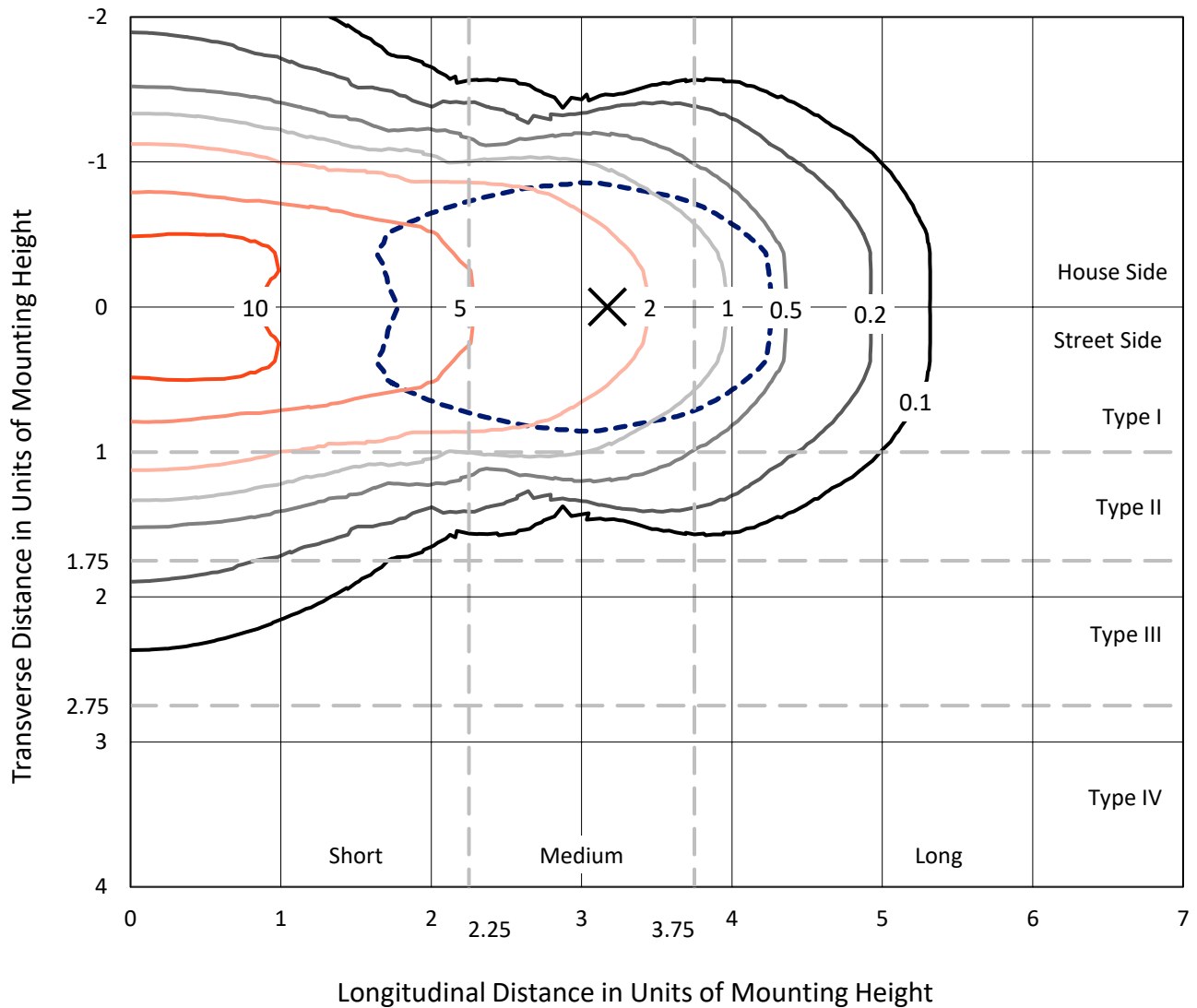
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

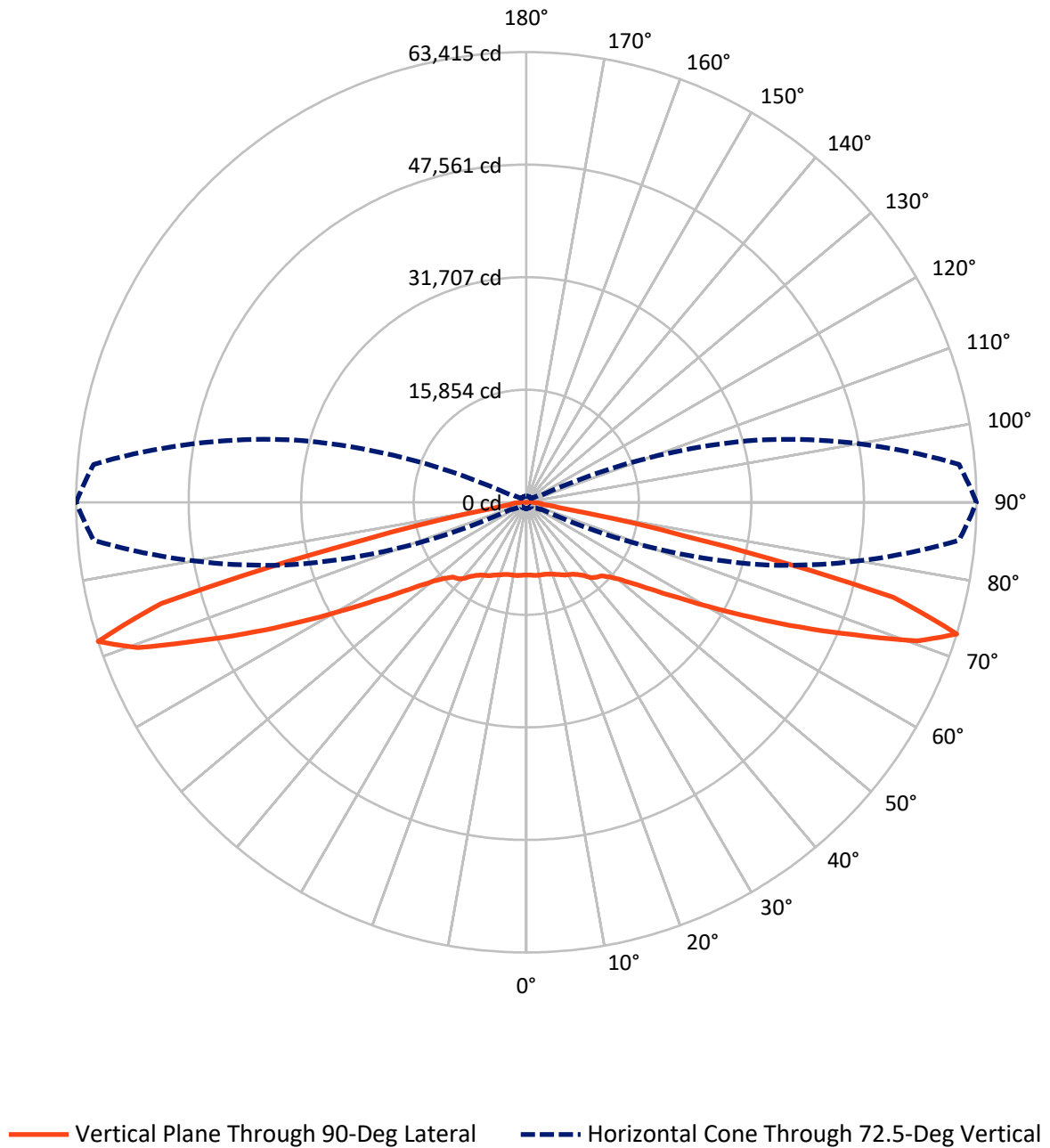
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.4 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	27426.5	0.0	27426.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27426.5	0.0	27426.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	54853.0	0.0	54853.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	993.8	1.8
10°-20°	3038.8	5.5
20°-30°	5066.9	9.2
30°-40°	6968.6	12.7
40°-50°	8510.5	15.5
50°-60°	9843.3	17.9
60°-70°	11736.6	21.4
70°-80°	8191.3	14.9
80°-90°	503.1	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°	54853.0	100.0
0°-180°	54853.0	100.0

Coefficient of Utilization



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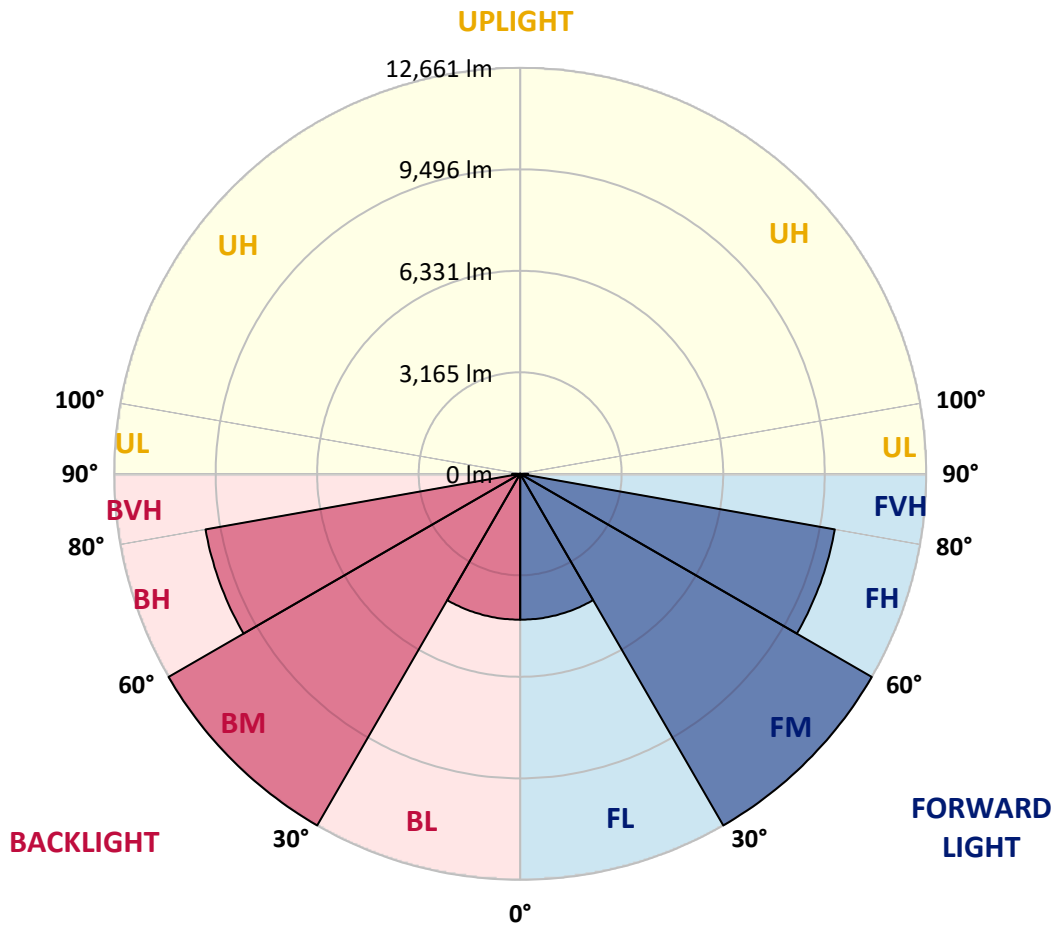
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4549.8	8.3			
FM (30°-60°)	12661.2	23.1			
FH (60°-80°)	9964.0	18.2			G4/12000
FVH (80°-90°)	251.6	0.5			G3/500
BL (0°-30°)	4549.8	8.3	B4/5000		
BM (30°-60°)	12661.2	23.1	B5		
BH (60°-80°)	9964.0	18.2	B5		G5
BVH (80°-90°)	251.6	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°	10249.9	10249.9	10249.9	10249.9	10249.9	10249.9	10249.9	10249.9	10249.9	10249.9
2.5°	10258.6	10270.3	10270.3	10261.5	10281.9	10264.4	10264.4	10255.7	10264.4	10255.7
5°	10311.1	10325.7	10331.5	10328.6	10354.8	10340.2	10340.2	10328.6	10331.5	10322.7
7.5°	10410.2	10430.6	10442.3	10456.8	10494.7	10477.2	10465.6	10430.6	10416.0	10392.7
10°	10442.3	10465.6	10503.5	10579.3	10666.7	10669.7	10634.7	10547.2	10480.2	10427.7
12.5°	10343.1	10375.2	10453.9	10608.4	10803.8	10882.5	10827.1	10681.3	10550.1	10456.8
15°	10217.8	10252.8	10372.3	10605.5	10894.1	11077.8	11071.9	10879.5	10669.7	10523.9
17.5°	10022.5	10057.5	10229.5	10556.0	10964.1	11267.3	11348.9	11150.7	10856.2	10660.9
20°	9669.7	9701.8	9940.9	10398.5	10987.4	11468.4	11681.2	11506.3	11139.0	10873.7
22.5°	9212.0	9261.6	9541.5	10127.4	10932.0	11678.3	12060.2	11940.7	11468.4	11101.1
25°	8722.3	8774.8	9101.3	9795.1	10789.2	11829.9	12509.1	12433.4	11841.6	11383.9
27.5°	8299.6	8355.0	8710.6	9465.7	10567.6	11888.2	12952.3	12990.2	12293.4	11695.8
30°	7967.3	8019.7	8398.7	9200.4	10281.9	11829.9	13340.0	13602.3	12754.0	11966.9
32.5°	7602.9	7669.9	8069.3	8876.8	9943.8	11690.0	13678.1	14264.1	13287.5	12258.4
35°	7142.3	7203.5	7623.3	8433.7	9500.7	11465.5	13960.9	14998.7	14051.3	12701.5
37.5°	6582.5	6640.8	7057.7	7879.8	9060.5	11150.7	14176.6	15826.6	14960.8	13340.0
40°	6019.9	6075.3	6465.9	7261.8	8532.8	10748.4	14252.4	16637.1	16004.5	14217.5
42.5°	5503.9	5553.5	5912.0	6652.5	7941.0	10235.3	14153.3	17342.6	16940.3	14829.6
45°	5028.7	5072.5	5390.2	6081.1	7325.9	9611.4	13856.0	18100.5	18053.9	15266.9
47.5°	4486.5	4530.2	4859.6	5527.2	6710.8	8879.7	13351.6	18846.8	19601.8	16258.1
50°	3824.7	3862.6	4200.8	4888.8	6072.4	8101.4	12652.0	19432.8	21555.0	17759.4
52.5°	3040.6	3081.4	3410.8	4098.8	5314.4	7264.7	11730.8	19814.7	23811.4	19951.7
55°	2262.2	2291.4	2577.0	3195.1	4375.7	6311.4	10576.4	19922.5	26370.9	22948.5
57.5°	1641.3	1658.8	1842.4	2303.0	3317.5	5119.1	9174.2	19642.7	29417.3	26790.7
60°	1329.3	1335.2	1390.6	1594.6	2305.9	3772.3	7480.4	18680.6	32723.2	31743.7
62.5°	1206.9	1206.9	1221.5	1276.9	1559.6	2489.6	5431.0	16686.6	36268.1	38002.6
65°	1122.4	1122.4	1128.2	1154.4	1230.2	1585.9	3428.3	13439.1	39256.2	45334.4
67.5°	1046.6	1049.5	1046.6	1055.3	1099.0	1171.9	1988.2	9282.0	40865.3	52931.4
70°	967.8	973.7	959.1	959.1	994.1	997.0	1244.8	5089.9	39530.2	59298.2
72.5°	874.6	883.3	860.0	854.2	880.4	868.7	935.8	2442.9	33938.8	61198.9
75°	792.9	804.6	752.1	737.5	737.5	728.8	760.9	1253.5	22027.3	49922.9
77.5°	720.1	743.4	658.8	612.2	600.5	574.3	620.9	766.7	9634.8	23438.3
80°	594.7	626.8	542.2	486.8	466.4	437.3	489.8	536.4	2865.6	5442.7
82.5°	443.1	457.7	384.8	346.9	329.4	309.0	367.3	373.1	932.9	1927.0
85°	282.8	288.6	236.1	204.1	195.3	186.6	233.2	204.1	355.7	1416.8
87.5°	99.1	113.7	90.4	81.6	87.5	72.9	107.9	61.2	99.1	999.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

10249.9
10255.7
10322.7
10392.7
10418.9
10442.3
10500.6
10628.8
10824.2
11034.1
11290.6
11596.7
11824.1
12077.7
12500.4
13071.8
13931.8
14462.3
14771.3
15686.7
17042.3
19068.4
21843.6
25400.2
29991.6
35655.9
42366.7
49727.6
58455.7
63414.5
53397.8
22951.4
5212.4
2177.7
2058.1
1239.0
0.0

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