

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: P943383

Luminaire Tested: **GALN-SB7D-830-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943383
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-SB7D-830-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 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: 64329 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

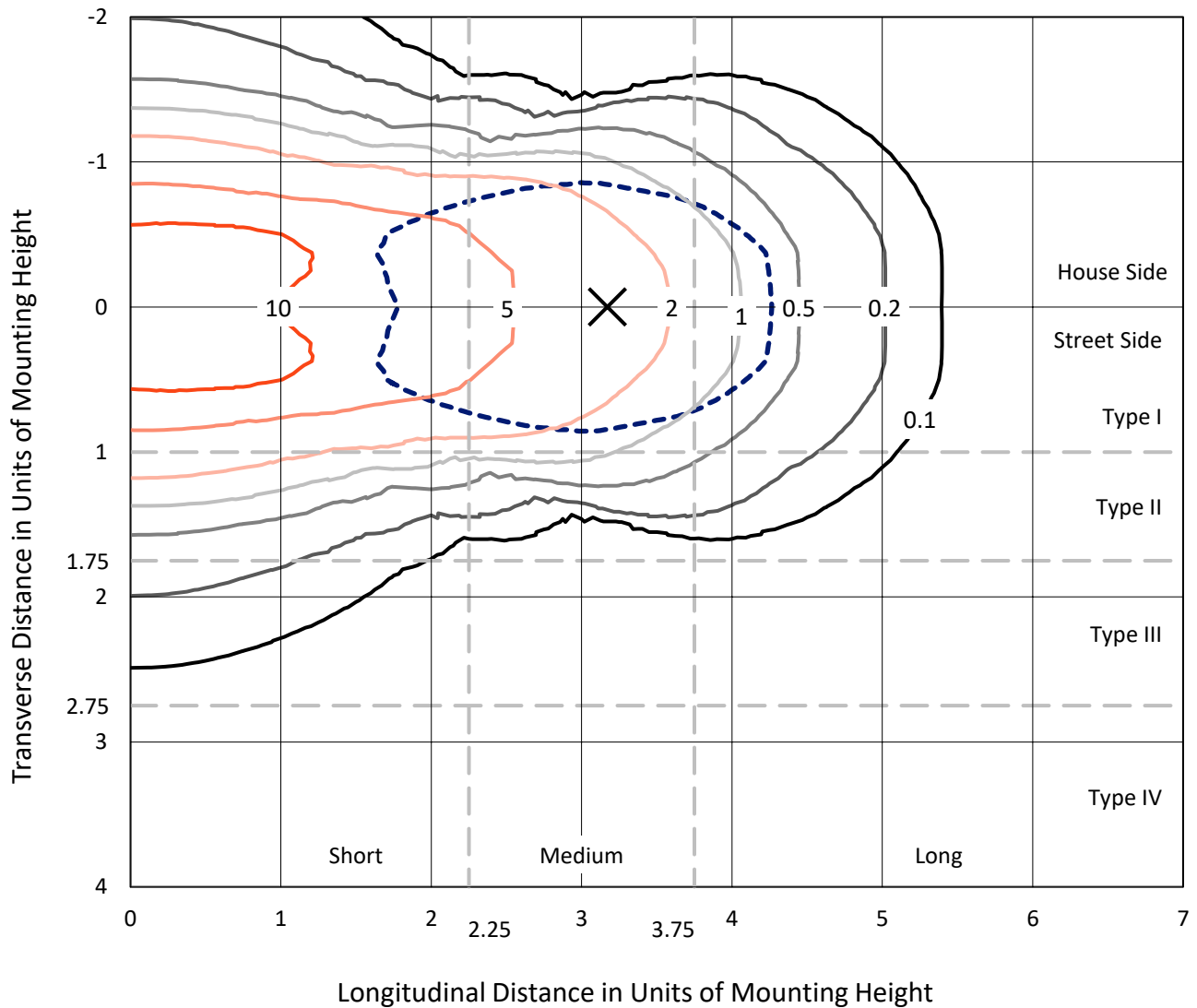
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

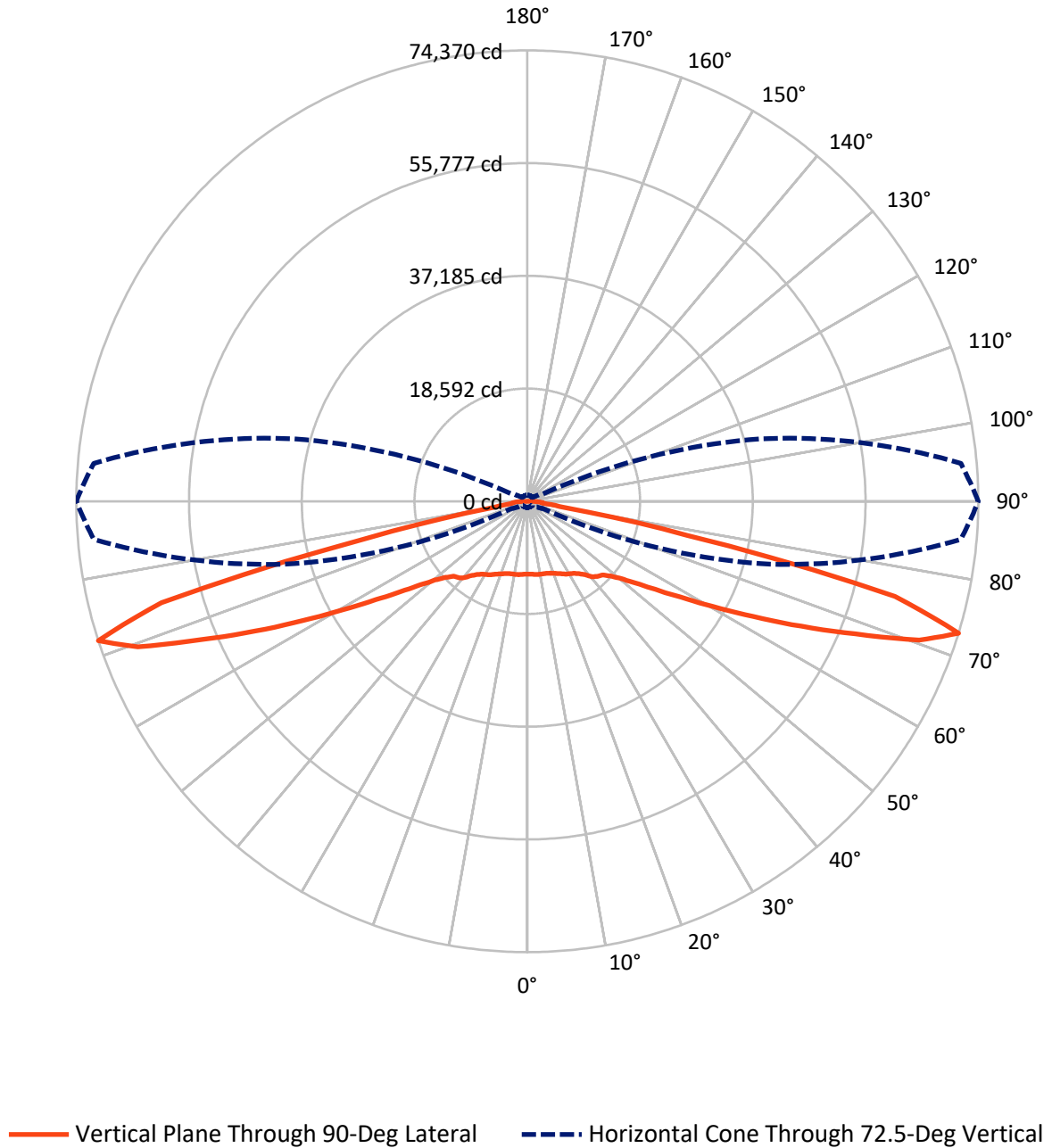
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.2 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	32164.5	0.0	32164.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	32164.5	0.0	32164.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	64329.0	0.0	64329.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1165.5	1.8
10°-20°	3563.7	5.5
20°-30°	5942.2	9.2
30°-40°	8172.4	12.7
40°-50°	9980.7	15.5
50°-60°	11543.8	17.9
60°-70°	13764.1	21.4
70°-80°	9606.4	14.9
80°-90°	590.0	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°	64329.0	100.0
0°-180°	64329.0	100.0

Coefficient of Utilization



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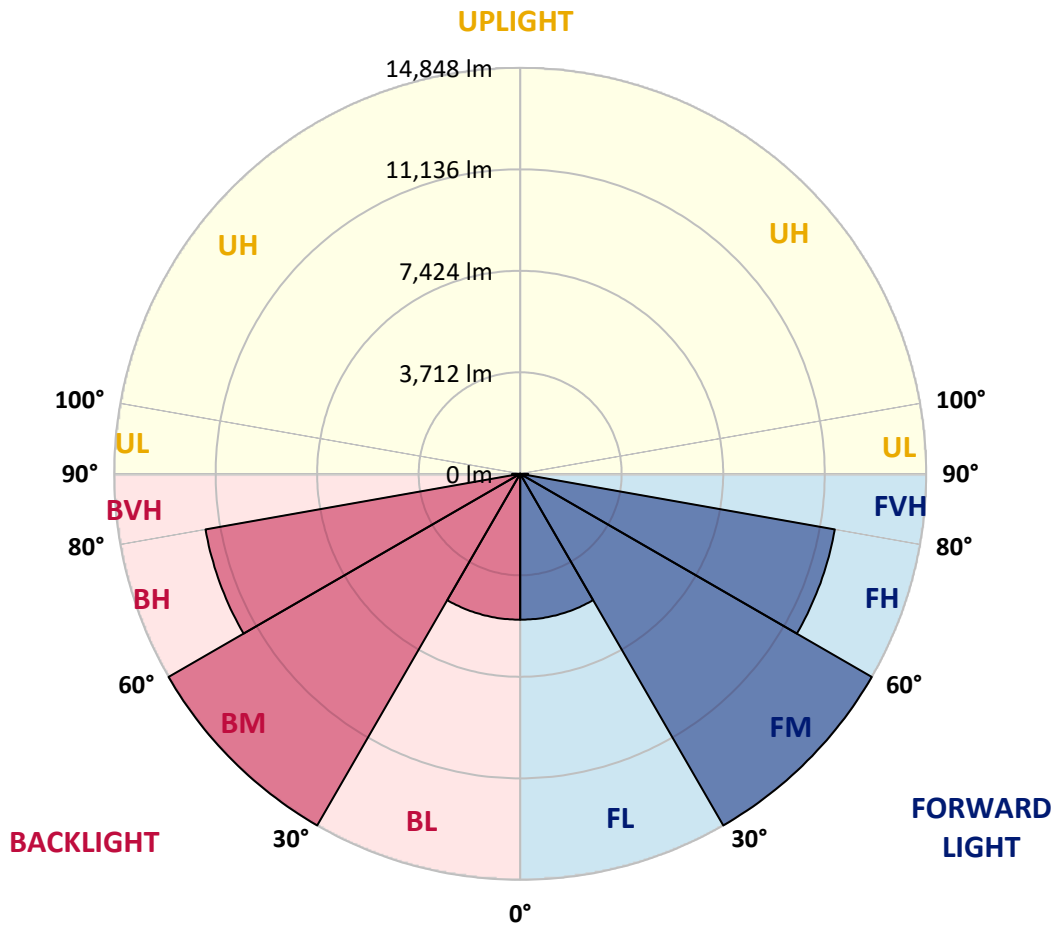
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5335.8	8.3			
FM (30°-60°)	14848.5	23.1			
FH (60°-80°)	11685.3	18.2			G4/12000
FVH (80°-90°)	295.0	0.5			G3/500
BL (0°-30°)	5335.8	8.3	B5		
BM (30°-60°)	14848.5	23.1	B5		
BH (60°-80°)	11685.3	18.2	B5		G5
BVH (80°-90°)	295.0	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°	12020.6	12020.6	12020.6	12020.6	12020.6	12020.6	12020.6	12020.6	12020.6	12020.6
2.5°	12030.8	12044.5	12044.5	12034.2	12058.2	12037.6	12037.6	12027.4	12037.6	12027.4
5°	12092.3	12109.4	12116.3	12112.9	12143.6	12126.5	12126.5	12112.9	12116.3	12106.0
7.5°	12208.6	12232.5	12246.2	12263.3	12307.7	12287.2	12273.5	12232.5	12215.4	12188.1
10°	12246.2	12273.5	12318.0	12406.9	12509.4	12512.9	12471.8	12369.3	12290.6	12229.1
12.5°	12130.0	12167.6	12259.9	12441.1	12670.1	12762.4	12697.5	12526.5	12372.7	12263.3
15°	11982.9	12024.0	12164.1	12437.6	12776.1	12991.5	12984.7	12759.0	12512.9	12341.9
17.5°	11753.9	11794.9	11996.6	12379.5	12858.2	13213.7	13309.4	13077.0	12731.7	12502.6
20°	11340.2	11377.8	11658.2	12194.9	12885.5	13449.6	13699.2	13494.1	13063.3	12752.2
22.5°	10803.5	10861.6	11189.8	11877.0	12820.6	13695.8	14143.6	14003.5	13449.6	13018.8
25°	10229.1	10290.6	10673.5	11487.2	12653.0	13873.6	14670.1	14581.2	13887.2	13350.5
27.5°	9733.4	9798.3	10215.4	11100.9	12393.2	13941.9	15189.8	15234.2	14417.1	13716.3
30°	9343.6	9405.2	9849.6	10789.8	12058.2	13873.6	15644.5	15952.2	14957.3	14034.2
32.5°	8916.3	8994.9	9463.3	10410.3	11661.6	13709.4	16041.1	16728.3	15583.0	14376.1
35°	8376.1	8447.9	8940.2	9890.6	11141.9	13446.2	16372.7	17589.8	16478.7	14895.8
37.5°	7719.7	7788.1	8277.0	9241.1	10625.7	13077.0	16625.7	18560.7	17545.4	15644.5
40°	7059.9	7124.8	7582.9	8516.3	10006.9	12605.2	16714.6	19511.2	18769.3	16673.6
42.5°	6454.7	6512.8	6933.4	7801.7	9312.9	12003.5	16598.3	20338.5	19866.7	17391.5
45°	5897.5	5948.7	6321.4	7131.6	8591.5	11271.8	16249.6	21227.4	21172.7	17904.3
47.5°	5261.6	5312.8	5699.2	6482.1	7870.1	10413.7	15658.2	22102.6	22988.1	19066.7
50°	4485.5	4529.9	4926.5	5733.4	7121.4	9500.9	14837.7	22789.8	25278.7	20827.4
52.5°	3565.8	3613.7	4000.0	4806.9	6232.5	8519.7	13757.3	23237.7	27924.9	23398.4
55°	2653.0	2687.2	3022.2	3747.0	5131.6	7401.7	12403.5	23364.2	30926.6	26912.9
57.5°	1924.8	1945.3	2160.7	2700.9	3890.6	6003.4	10759.0	23036.0	34499.3	31418.9
60°	1559.0	1565.8	1630.8	1870.1	2704.3	4423.9	8772.7	21907.8	38376.2	37227.5
62.5°	1415.4	1415.4	1432.5	1497.4	1829.1	2919.7	6369.3	19569.3	42533.5	44567.7
65°	1316.2	1316.2	1323.1	1353.9	1442.7	1859.8	4020.5	15760.7	46037.8	53166.0
67.5°	1227.4	1230.8	1227.4	1237.6	1288.9	1374.4	2331.6	10885.5	47924.9	62075.4
70°	1135.0	1141.9	1124.8	1124.8	1165.8	1169.2	1459.8	5969.3	46359.1	69542.1
72.5°	1025.6	1035.9	1008.6	1001.7	1032.5	1018.8	1097.4	2865.0	39801.8	71771.2
75°	929.9	943.6	882.1	865.0	865.0	854.7	892.3	1470.1	25832.6	58547.2
77.5°	844.4	871.8	772.7	718.0	704.3	673.5	728.2	899.1	11299.2	27487.3
80°	697.4	735.0	635.9	570.9	547.0	512.8	574.4	629.1	3360.7	6382.9
82.5°	519.7	536.8	451.3	406.8	386.3	362.4	430.8	437.6	1094.0	2259.8
85°	331.6	338.5	276.9	239.3	229.1	218.8	273.5	239.3	417.1	1661.5
87.5°	116.2	133.3	106.0	95.7	102.6	85.5	126.5	71.8	116.2	1172.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

12020.6
12027.4
12106.0
12188.1
12218.8
12246.2
12314.6
12465.0
12694.1
12940.2
13241.1
13600.0
13866.7
14164.1
14659.9
15330.0
16338.5
16960.7
17323.1
18396.6
19986.4
22362.5
25617.2
29788.1
35172.8
41815.5
49685.6
58318.1
68554.1
74369.5
62622.4
26916.3
6112.8
2553.9
2413.7
1453.0
0.0

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