

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: P940663

Luminaire Tested: **GALN-SB3D-830-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940663
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-SB3D-830-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 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: 27140 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

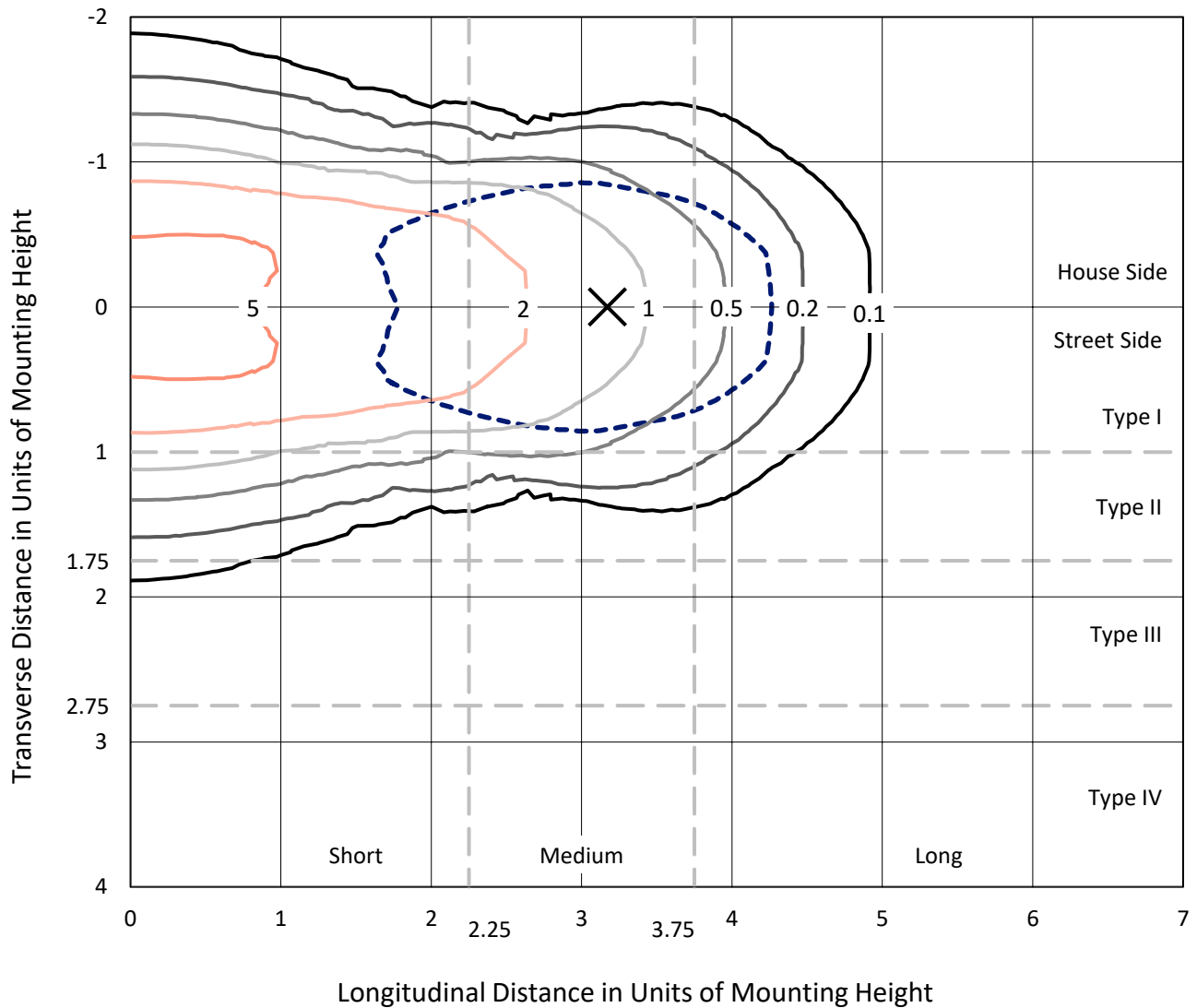
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P940663
 CATALOG NUMBER: GALN-SB3D-830-U-T1

Iso-Footcandle Lines of Horizontal Illumination

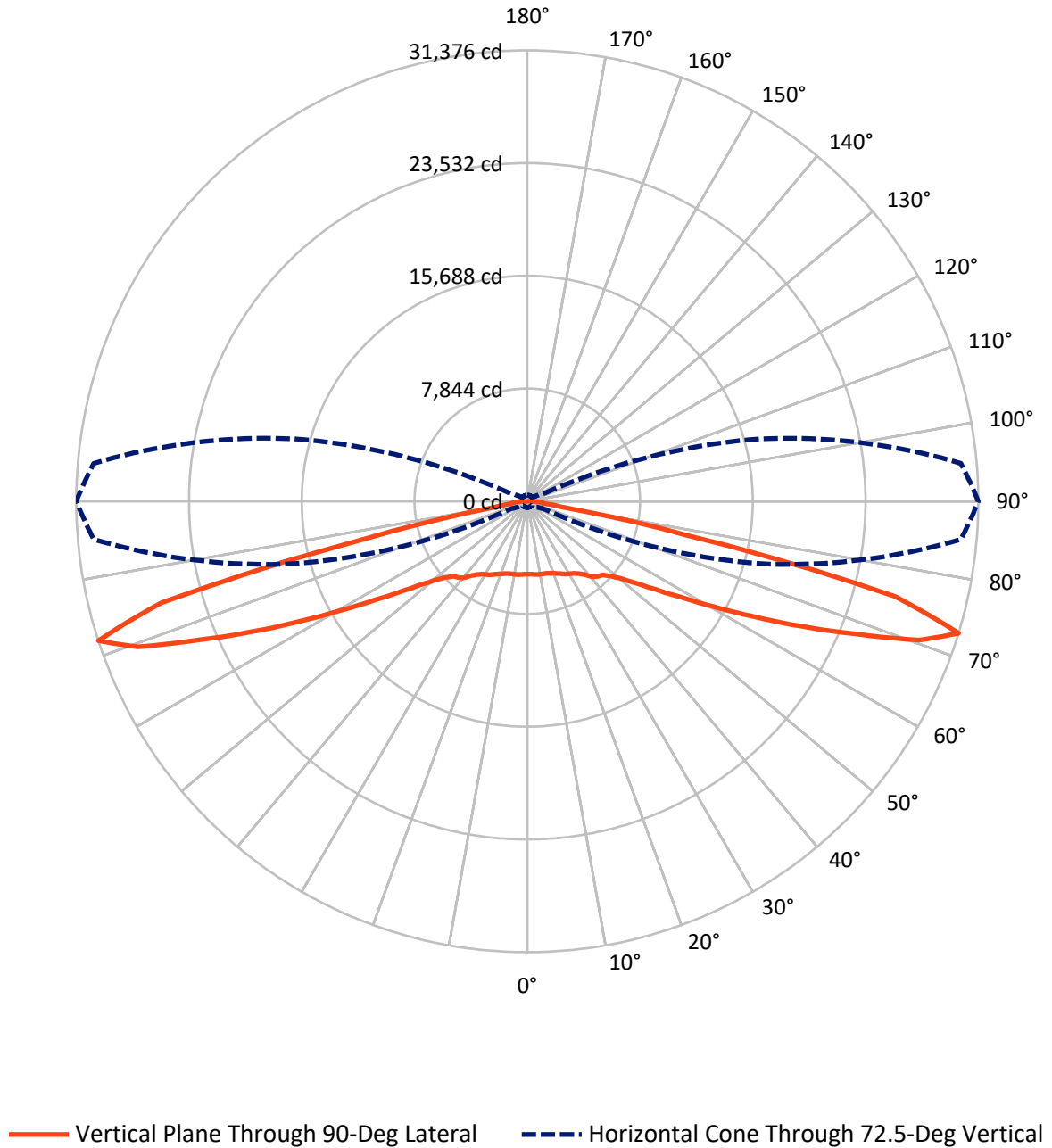
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc
 Type I - Short - N/A

REPORT NUMBER: P940663
CATALOG NUMBER: GALN-SB3D-830-U-T1

Luminous Intensity Polar Plot



REPORT NUMBER: P940663

CATALOG NUMBER: GALN-SB3D-830-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13570.0	0.0	13570.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13570.0	0.0	13570.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	27140.0	0.0	27140.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	491.7	1.8
10°-20°	1503.5	5.5
20°-30°	2507.0	9.2
30°-40°	3447.9	12.7
40°-50°	4210.8	15.5
50°-60°	4870.2	17.9
60°-70°	5807.0	21.4
70°-80°	4052.9	14.9
80°-90°	248.9	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°	27140.0	100.0
0°-180°	27140.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940663

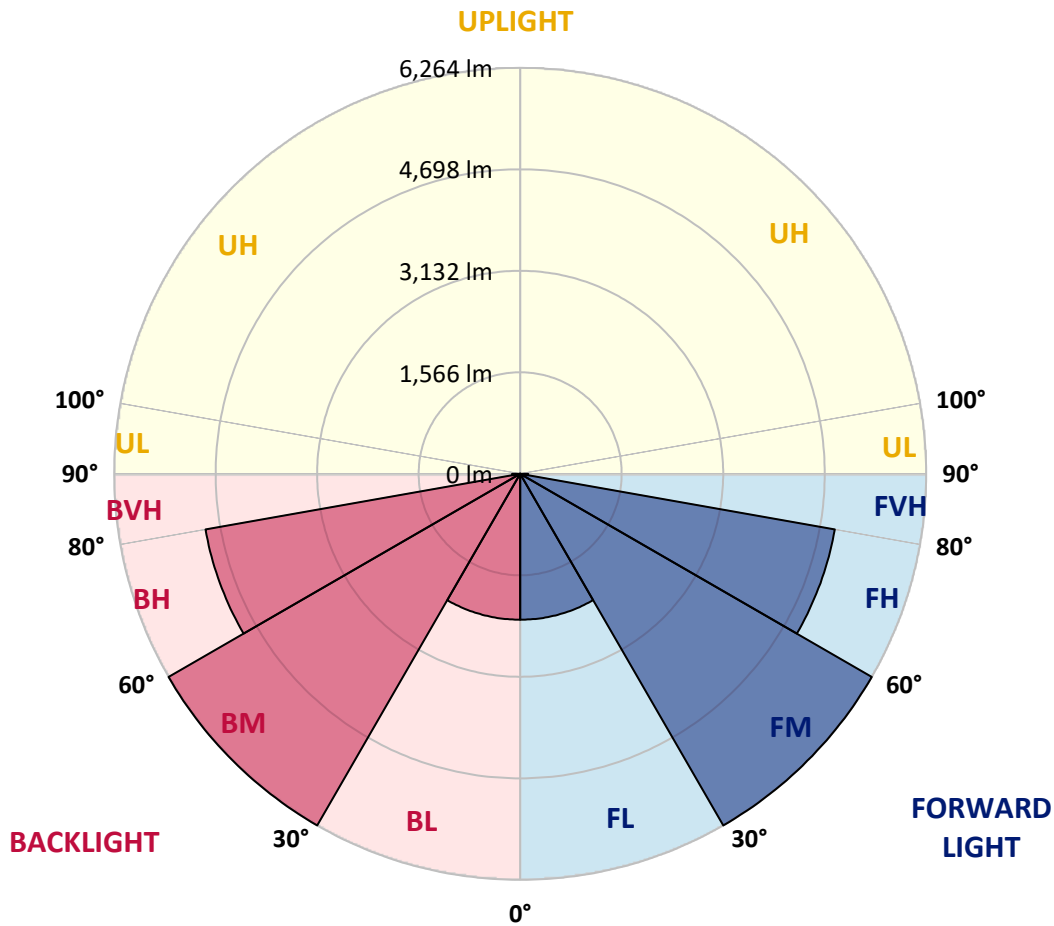
CATALOG NUMBER: GALN-SB3D-830-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2251.1	8.3			
FM (30°-60°)	6264.5	23.1			
FH (60°-80°)	4929.9	18.2			G2/5000
FVH (80°-90°)	124.5	0.5			G2/225
BL (0°-30°)	2251.1	8.3	B3/2500		
BM (30°-60°)	6264.5	23.1	B4/8500		
BH (60°-80°)	4929.9	18.2	B4/5000		G4/5000
BVH (80°-90°)	124.5	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short



REPORT NUMBER: P940663
 CATALOG NUMBER: GALN-SB3D-830-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5071.4	5071.4	5071.4	5071.4	5071.4	5071.4	5071.4	5071.4	5071.4	5071.4
2.5°	5075.7	5081.5	5081.5	5077.2	5087.3	5078.6	5078.6	5074.3	5078.6	5074.3
5°	5101.7	5108.9	5111.8	5110.3	5123.3	5116.1	5116.1	5110.3	5111.8	5107.5
7.5°	5150.7	5160.8	5166.6	5173.8	5192.6	5183.9	5178.1	5160.8	5153.6	5142.1
10°	5166.6	5178.1	5196.9	5234.4	5277.7	5279.1	5261.8	5218.5	5185.3	5159.4
12.5°	5117.6	5133.4	5172.4	5248.8	5345.4	5384.4	5357.0	5284.9	5220.0	5173.8
15°	5055.5	5072.8	5132.0	5247.4	5390.2	5481.0	5478.1	5382.9	5279.1	5207.0
17.5°	4958.9	4976.2	5061.3	5222.8	5424.8	5574.8	5615.2	5517.1	5371.4	5274.8
20°	4784.4	4800.2	4918.5	5145.0	5436.3	5674.3	5779.6	5693.1	5511.3	5380.1
22.5°	4557.9	4582.4	4720.9	5010.8	5408.9	5778.2	5967.1	5908.0	5674.3	5492.6
25°	4315.6	4341.6	4503.1	4846.4	5338.2	5853.2	6189.2	6151.7	5858.9	5632.5
27.5°	4106.4	4133.9	4309.8	4683.4	5228.6	5882.0	6408.5	6427.2	6082.5	5786.8
30°	3942.0	3968.0	4155.5	4552.1	5087.3	5853.2	6600.3	6730.1	6310.4	5921.0
32.5°	3761.7	3794.9	3992.5	4392.0	4919.9	5783.9	6767.6	7057.5	6574.4	6065.2
35°	3533.8	3564.1	3771.8	4172.8	4700.7	5672.9	6907.5	7421.0	6952.3	6284.4
37.5°	3256.9	3285.7	3492.0	3898.7	4482.9	5517.1	7014.3	7830.7	7402.3	6600.3
40°	2978.5	3005.9	3199.2	3593.0	4221.8	5318.0	7051.8	8231.6	7918.6	7034.5
42.5°	2723.2	2747.7	2925.1	3291.5	3929.0	5064.2	7002.7	8580.7	8381.6	7337.4
45°	2488.1	2509.7	2667.0	3008.8	3624.7	4755.5	6855.6	8955.7	8932.6	7553.7
47.5°	2219.8	2241.5	2404.4	2734.7	3320.4	4393.5	6606.1	9325.0	9698.5	8044.1
50°	1892.4	1911.1	2078.5	2418.9	3004.5	4008.4	6259.9	9614.9	10664.9	8787.0
52.5°	1504.4	1524.6	1687.6	2028.0	2629.5	3594.4	5804.1	9803.8	11781.3	9871.6
55°	1119.3	1133.7	1275.1	1580.8	2165.0	3122.7	5232.9	9857.2	13047.7	11354.4
57.5°	812.1	820.7	911.6	1139.5	1641.4	2532.8	4539.2	9718.7	14555.0	13255.4
60°	657.7	660.6	688.0	789.0	1140.9	1866.4	3701.1	9242.7	16190.7	15706.0
62.5°	597.1	597.1	604.4	631.8	771.7	1231.8	2687.1	8256.2	17944.6	18802.8
65°	555.3	555.3	558.2	571.2	608.7	784.7	1696.2	6649.4	19423.0	22430.4
67.5°	517.8	519.3	517.8	522.1	543.8	579.8	983.7	4592.5	20219.2	26189.2
70°	478.9	481.8	474.5	474.5	491.9	493.3	615.9	2518.4	19558.6	29339.4
72.5°	432.7	437.0	425.5	422.6	435.6	429.8	463.0	1208.7	16792.1	30279.8
75°	392.3	398.1	372.1	364.9	364.9	360.6	376.5	620.2	10898.6	24700.7
77.5°	356.3	367.8	326.0	302.9	297.1	284.1	307.2	379.3	4767.1	11596.7
80°	294.2	310.1	268.3	240.9	230.8	216.4	242.3	265.4	1417.9	2692.9
82.5°	219.2	226.5	190.4	171.6	163.0	152.9	181.7	184.6	461.6	953.4
85°	139.9	142.8	116.8	101.0	96.6	92.3	115.4	101.0	176.0	701.0
87.5°	49.0	56.3	44.7	40.4	43.3	36.1	53.4	30.3	49.0	494.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5071.4
5074.3
5107.5
5142.1
5155.1
5166.6
5195.4
5258.9
5355.5
5459.4
5586.3
5737.8
5850.3
5975.8
6184.9
6467.6
6893.1
7155.6
7308.5
7761.4
8432.1
9434.6
10807.7
12567.4
14839.2
17641.7
20962.1
24604.1
28922.5
31376.0
26420.0
11355.8
2579.0
1077.5
1018.3
613.0
0.0

OF REPORT)