

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: P949097

Luminaire Tested: **GALN-SB3D-950-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949097
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-SB3D-950-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21871 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

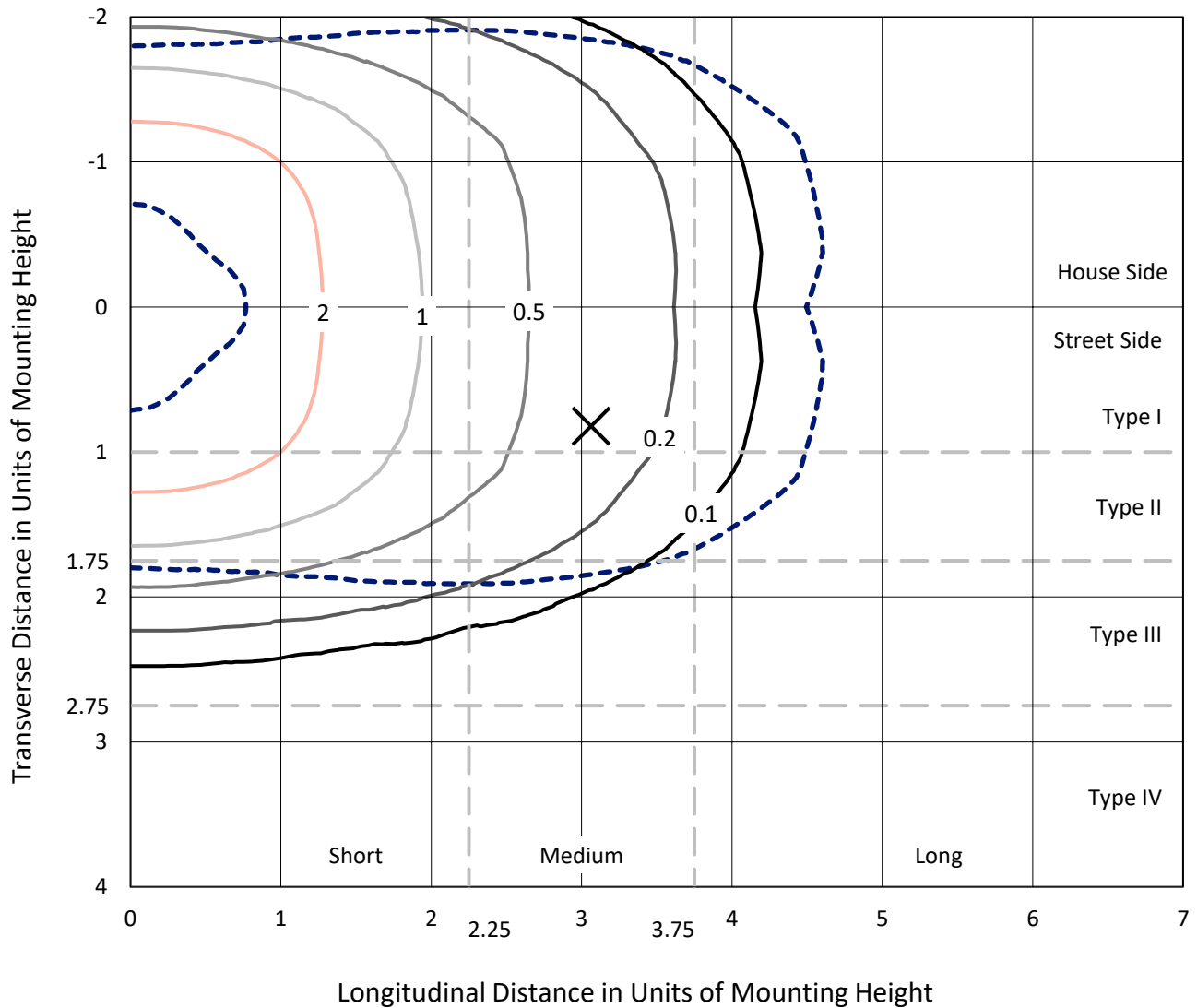
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

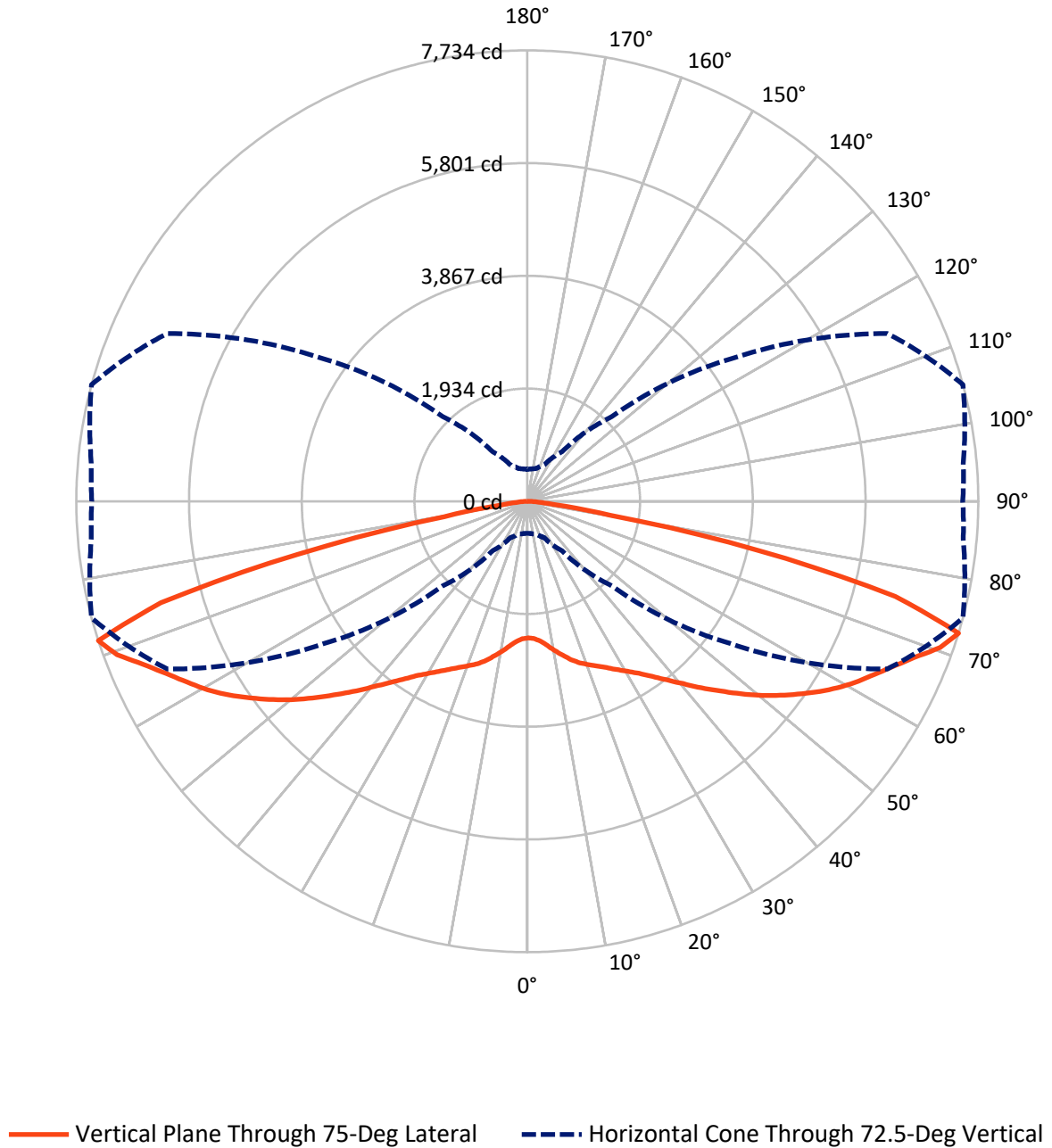
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 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	10935.5	0.0	10935.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10935.5	0.0	10935.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	21871.0	0.0	21871.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.5	1.0
10°-20°	756.9	3.5
20°-30°	1462.6	6.7
30°-40°	2469.7	11.3
40°-50°	3916.6	17.9
50°-60°	5243.9	24.0
60°-70°	4990.5	22.8
70°-80°	2604.1	11.9
80°-90°	197.1	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°	21871.0	100.0
0°-180°	21871.0	100.0

Coefficient of Utilization



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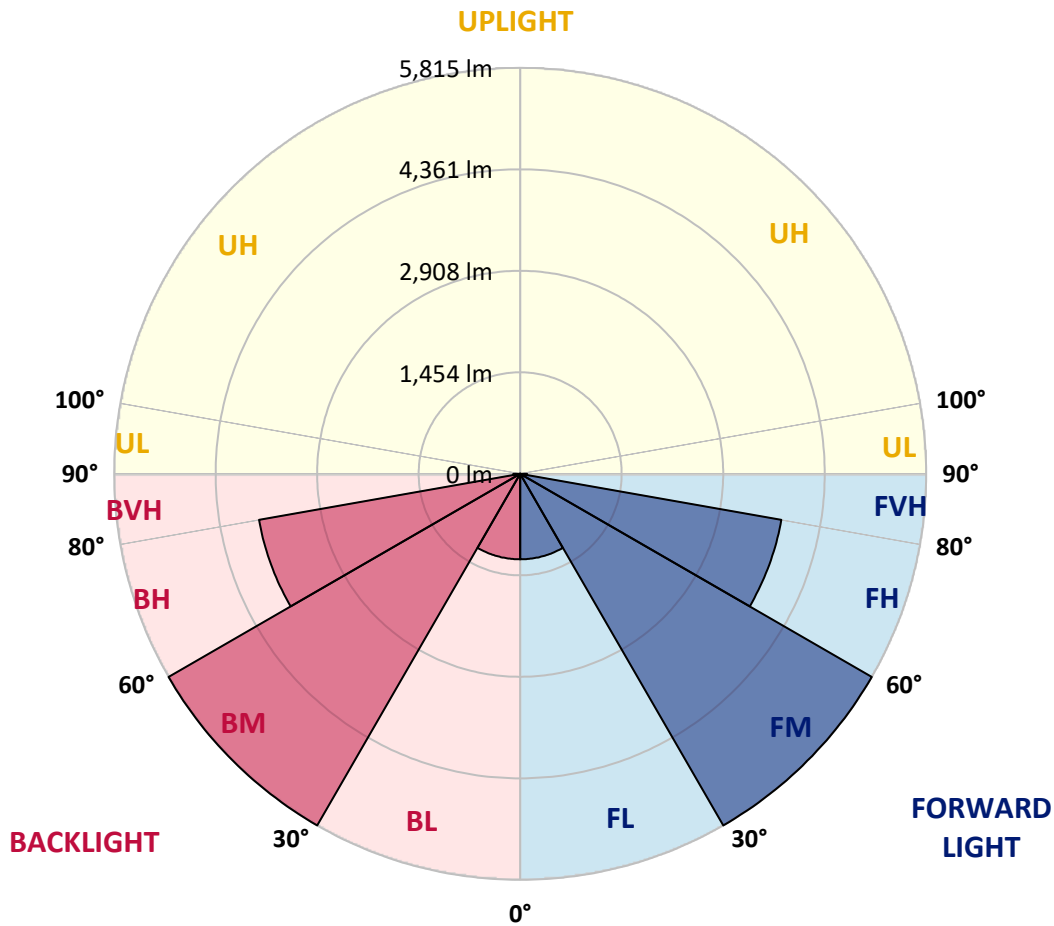
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1224.5	5.6			
FM (30°-60°)	5815.1	26.6			
FH (60°-80°)	3797.3	17.4			G2/5000
FVH (80°-90°)	98.6	0.5			G1/100
BL (0°-30°)	1224.5	5.6	B3/2500		
BM (30°-60°)	5815.1	26.6	B4/8500		
BH (60°-80°)	3797.3	17.4	B4/5000		G4/5000
BVH (80°-90°)	98.6	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2342.8	2342.8	2342.8	2342.8	2342.8	2342.8	2342.8	2342.8	2342.8	2342.8
2.5°	2342.8	2340.5	2342.8	2345.0	2343.9	2343.9	2349.5	2352.8	2359.5	2358.4
5°	2327.1	2326.0	2335.0	2345.0	2352.8	2366.2	2383.0	2395.3	2410.9	2414.2
7.5°	2319.3	2316.0	2331.6	2349.5	2374.0	2407.5	2439.9	2473.4	2500.2	2509.2
10°	2324.9	2326.0	2347.2	2380.7	2419.8	2466.7	2512.5	2569.5	2607.4	2616.4
12.5°	2350.6	2348.4	2384.1	2437.7	2491.3	2550.5	2604.1	2666.6	2707.9	2729.1
15°	2397.5	2393.0	2443.3	2522.6	2600.7	2670.0	2713.5	2772.7	2820.7	2847.5
17.5°	2453.3	2455.6	2521.4	2624.2	2726.9	2805.1	2846.4	2876.5	2913.4	2936.8
20°	2551.6	2556.1	2629.8	2751.5	2868.7	2958.1	2991.6	2980.4	2990.4	3008.3
22.5°	2683.4	2685.6	2768.2	2900.0	3022.8	3121.1	3143.4	3097.6	3069.7	3082.0
25°	2836.3	2850.9	2933.5	3068.6	3194.8	3288.6	3298.6	3229.4	3160.2	3163.5
27.5°	3022.8	3036.2	3120.0	3254.0	3382.4	3463.9	3462.8	3370.1	3268.5	3242.8
30°	3224.9	3239.5	3325.4	3463.9	3583.4	3654.9	3639.2	3528.7	3383.5	3335.5
32.5°	3465.0	3474.0	3561.1	3699.5	3810.1	3867.0	3834.6	3698.4	3517.5	3462.8
35°	3755.4	3768.8	3833.5	3964.2	4061.3	4108.2	4053.5	3892.7	3689.5	3628.1
37.5°	4087.0	4078.1	4151.8	4267.9	4348.3	4377.4	4302.5	4111.6	3886.0	3813.4
40°	4433.2	4428.7	4509.1	4620.8	4664.3	4682.2	4571.7	4362.8	4112.7	4034.5
42.5°	4747.0	4743.6	4851.9	4975.9	5028.4	5008.3	4868.7	4629.7	4375.1	4285.8
45°	4998.2	4993.8	5126.6	5300.8	5403.6	5370.1	5182.5	4924.5	4640.9	4548.2
47.5°	5191.4	5193.6	5336.6	5552.1	5731.9	5744.2	5503.0	5224.9	4933.5	4828.5
50°	5331.0	5337.7	5490.7	5729.6	5975.3	6083.6	5830.1	5533.1	5236.1	5117.7
52.5°	5365.6	5377.9	5562.1	5842.4	6131.6	6338.2	6162.9	5829.0	5523.1	5410.3
55°	5181.4	5205.9	5439.3	5833.5	6227.7	6505.7	6455.5	6129.4	5812.3	5696.1
57.5°	4758.1	4792.8	5065.2	5580.0	6206.5	6620.7	6682.2	6417.5	6101.5	5989.8
60°	4165.2	4206.5	4467.8	5029.5	5907.2	6663.2	6841.8	6697.8	6367.3	6258.9
62.5°	3270.7	3324.3	3637.0	4295.8	5275.2	6465.5	6978.1	6951.3	6606.2	6471.1
65°	2098.2	2155.2	2484.6	3262.9	4432.1	5860.3	7020.5	7198.1	6858.6	6669.9
67.5°	1265.2	1290.9	1453.9	1977.6	3239.5	4948.0	6660.9	7471.6	7153.4	6918.9
70°	809.6	824.1	921.3	1161.3	1831.3	3610.2	5769.8	7523.0	7510.7	7174.6
72.5°	549.4	553.9	579.6	687.9	1036.3	2051.3	4255.6	6810.6	7734.1	7504.0
75°	402.0	426.6	467.9	486.9	588.5	1025.1	2438.8	4784.9	6518.0	6618.5
77.5°	299.3	300.4	357.3	379.7	419.9	546.1	1031.8	2671.1	4046.8	4248.9
80°	253.5	240.1	239.0	306.0	316.0	340.6	461.2	922.4	1449.4	878.8
82.5°	211.1	196.5	177.6	239.0	215.5	208.8	199.9	375.2	461.2	226.7
85°	147.4	140.7	134.0	156.3	122.8	105.0	96.0	175.3	194.3	96.0
87.5°	63.7	65.9	67.0	69.2	51.4	36.9	36.9	49.1	49.1	38.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2342.8
2357.3
2414.2
2511.4
2625.3
2738.1
2857.6
2948.0
3021.7
3090.9
3169.1
3250.6
3341.1
3476.2
3637.0
3826.8
4060.2
4308.1
4569.4
4859.8
5153.4
5439.3
5728.5
6015.5
6282.4
6486.7
6693.3
6936.8
7172.4
7468.3
6375.1
3790.0
664.4
193.2
84.9
27.9
0.0

OF REPORT)