

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: STREETWORKS

Report Number: P940660

Luminaire Tested: **GLAN-SB3D-830-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940660
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3D-830-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27750 lumens
Efficiency: N/A
Efficacy: 127.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - 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

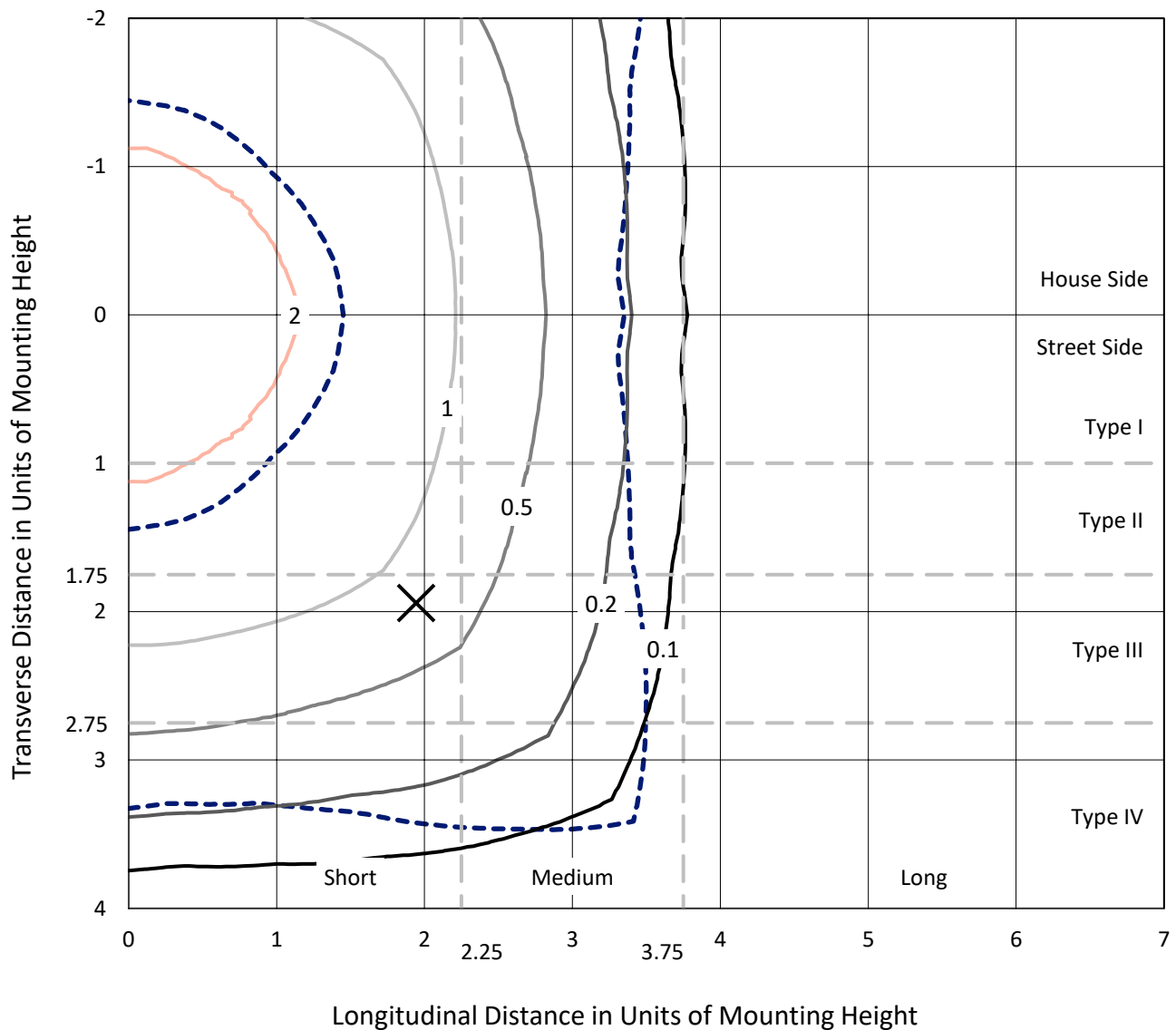


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Iso-Footcandle Lines of Horizontal Illumination

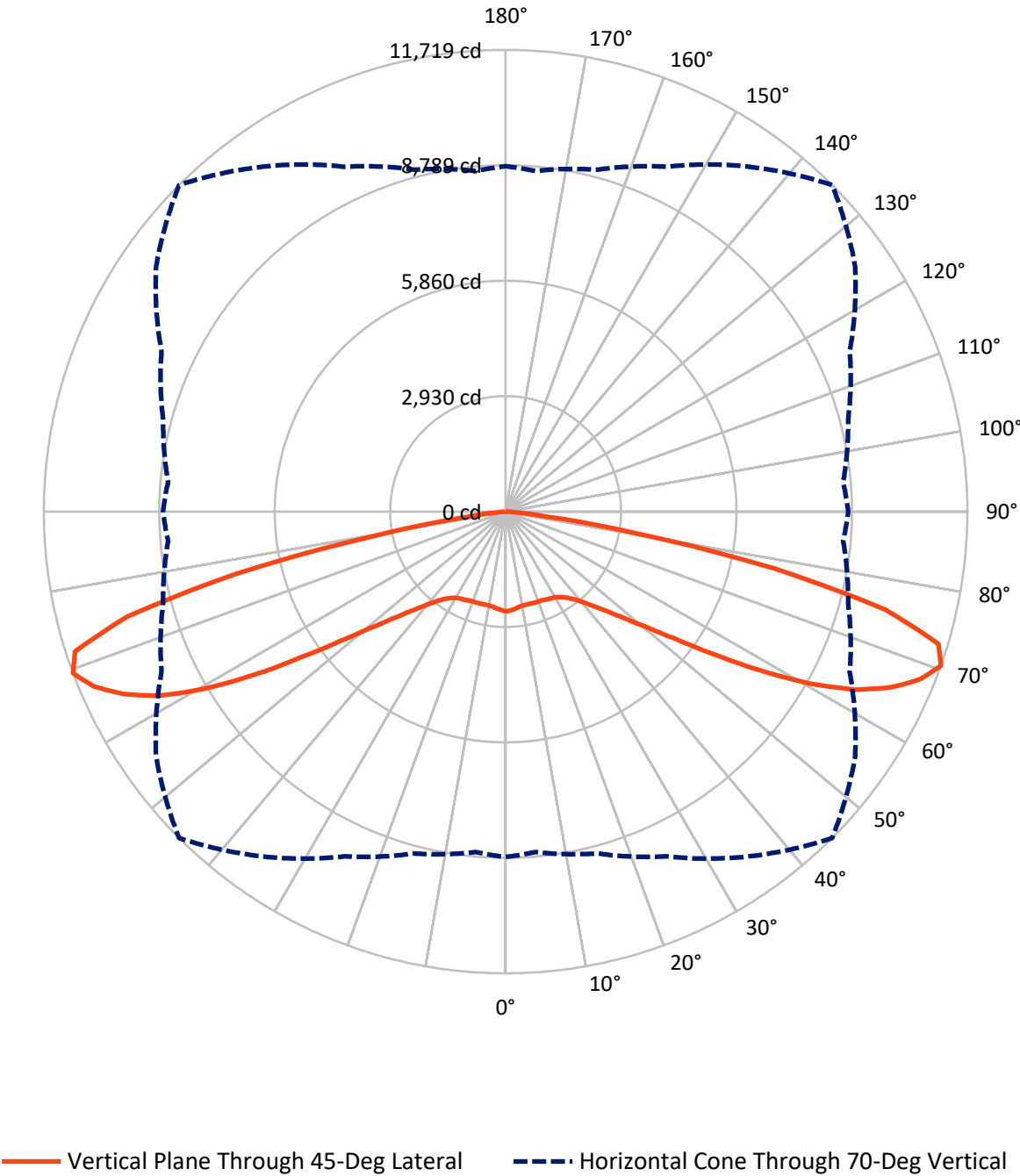
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13875.0	0.0	13875.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13875.0	0.0	13875.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	27750.0	0.0	27750.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.5	0.8
10°-20°	691.4	2.5
20°-30°	1150.6	4.1
30°-40°	1740.1	6.3
40°-50°	2891.6	10.4
50°-60°	5456.3	19.7
60°-70°	9213.2	33.2
70°-80°	6054.1	21.8
80°-90°	317.2	1.1
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°	27750.0	100.0
0°-180°	27750.0	100.0

Coefficient of Utilization



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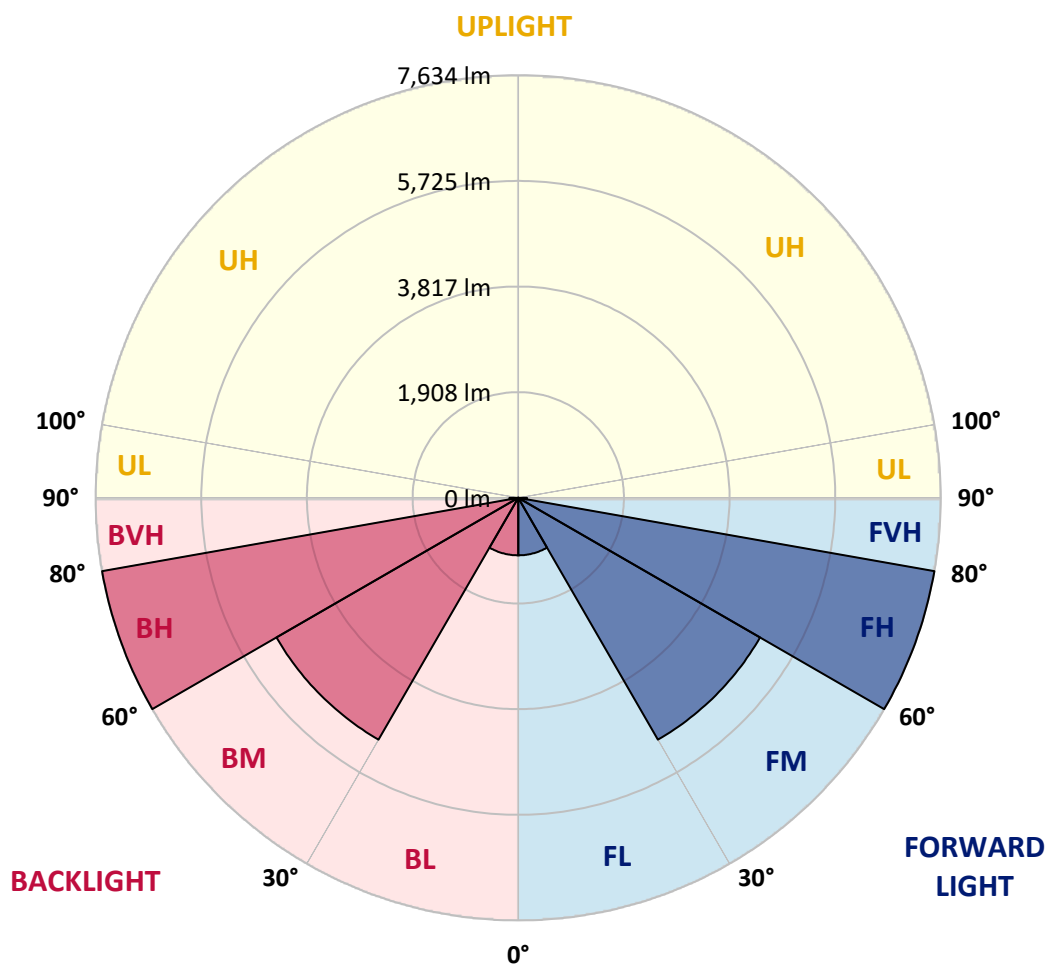
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1038.8	3.7			
FM	(30°-60°)	5044.0	18.2			
FH	(60°-80°)	7633.6	27.5			G4/12000
FVH	(80°-90°)	158.6	0.6			G2/225
BL	(0°-30°)	1038.8	3.7	B3/2500		
BM	(30°-60°)	5044.0	18.2	B4/8500		
BH	(60°-80°)	7633.6	27.5	B5		G4/12000
BVH	(80°-90°)	158.6	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2531.4	2531.4	2531.4	2531.4	2531.4	2531.4	2531.4	2531.4	2531.4	2531.4
2.5°	2515.5	2522.7	2519.8	2514.1	2514.1	2509.7	2514.1	2516.9	2521.3	2524.1
5°	2482.3	2488.1	2486.6	2482.3	2483.8	2479.4	2482.3	2486.6	2489.5	2491.0
7.5°	2453.5	2459.2	2456.4	2449.1	2449.1	2444.8	2446.3	2450.6	2454.9	2456.4
10°	2446.3	2452.0	2443.4	2431.8	2427.5	2421.7	2423.2	2427.5	2436.2	2440.5
12.5°	2449.1	2453.5	2444.8	2427.5	2423.2	2417.4	2417.4	2421.7	2433.3	2439.0
15°	2457.8	2462.1	2449.1	2430.4	2426.1	2421.7	2420.3	2426.1	2439.0	2449.1
17.5°	2473.7	2478.0	2457.8	2431.8	2426.1	2427.5	2426.1	2430.4	2450.6	2469.3
20°	2488.1	2491.0	2463.6	2431.8	2426.1	2427.5	2426.1	2434.7	2460.7	2486.6
22.5°	2492.4	2495.3	2469.3	2441.9	2437.6	2439.0	2437.6	2446.3	2470.8	2496.7
25°	2493.9	2498.2	2478.0	2456.4	2463.6	2466.5	2463.6	2465.0	2483.8	2506.8
27.5°	2515.5	2521.3	2502.5	2483.8	2488.1	2486.6	2491.0	2495.3	2509.7	2532.8
30°	2560.2	2564.5	2548.7	2529.9	2527.0	2516.9	2529.9	2544.3	2560.2	2580.4
32.5°	2633.8	2642.4	2622.2	2602.0	2589.1	2583.3	2593.4	2617.9	2639.5	2661.2
35°	2756.4	2762.1	2743.4	2705.9	2682.8	2682.8	2691.5	2723.2	2757.8	2785.2
37.5°	2929.5	2936.7	2903.5	2858.8	2824.2	2824.2	2835.7	2868.9	2920.8	2959.7
40°	3140.0	3150.1	3108.3	3062.2	3029.0	3023.2	3037.6	3075.1	3124.2	3173.2
42.5°	3393.9	3405.4	3350.6	3310.2	3284.3	3284.3	3291.5	3326.1	3370.8	3431.4
45°	3718.4	3738.6	3663.6	3623.2	3598.7	3604.5	3608.8	3639.1	3679.5	3748.7
47.5°	4105.0	4125.2	4045.8	4004.0	3999.7	4027.1	4009.8	4031.4	4053.1	4132.4
50°	4543.5	4578.1	4523.3	4520.4	4529.0	4579.5	4539.1	4550.7	4526.2	4576.6
52.5°	5080.0	5130.5	5120.4	5137.7	5234.4	5338.2	5245.9	5205.5	5113.2	5129.1
55°	5730.5	5807.0	5821.4	5925.3	6144.5	6356.5	6160.4	5997.4	5801.2	5765.2
57.5°	6470.5	6531.0	6600.3	6812.3	7221.9	7598.4	7221.9	6861.4	6552.7	6479.1
60°	7266.7	7341.7	7408.0	7721.0	8329.7	8859.0	8318.1	7745.5	7337.3	7237.8
62.5°	8122.0	8218.6	8264.8	8612.4	9322.0	9953.8	9332.1	8638.4	8185.4	8078.7
65°	8942.7	9022.0	9073.9	9444.6	10122.6	10755.8	10168.7	9485.0	9019.1	8879.2
67.5°	9324.9	9368.2	9495.1	9914.8	10630.3	11352.9	10751.4	9959.6	9438.9	9193.7
70°	8765.3	8677.3	8983.1	9655.2	10690.8	11719.3	10829.3	9635.0	8997.5	8599.4
72.5°	6773.4	6621.9	7152.7	8302.3	9998.5	11485.6	10067.7	8367.2	7483.0	6675.3
75°	3685.3	3513.6	4246.3	5700.2	7973.4	9955.2	8156.6	5863.2	4728.1	3657.8
77.5°	1039.9	975.0	1566.4	2757.8	4795.9	6989.7	4980.5	2818.4	1857.8	1102.0
80°	318.8	308.7	418.3	830.8	2036.6	3347.7	1957.3	840.9	532.2	336.1
82.5°	189.0	173.1	207.7	302.9	519.3	1051.5	504.8	315.9	253.9	170.2
85°	108.2	101.0	122.6	147.1	174.5	223.6	145.7	150.0	135.6	90.9
87.5°	44.7	40.4	47.6	46.2	40.4	51.9	38.9	46.2	54.8	36.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2531.4
2522.7
2491.0
2456.4
2440.5
2440.5
2450.6
2469.3
2488.1
2496.7
2505.4
2527.0
2576.1
2652.5
2775.1
2945.3
3157.3
3427.1
3745.8
4109.3
4546.3
5075.7
5708.9
6427.2
7151.3
7992.2
8810.0
9196.5
8694.6
6875.8
3895.8
1224.6
354.8
184.6
95.2
33.2
0.0