

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: P847671

Luminaire Tested: **GLAN-SB3D-850-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847671
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3D-850-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26518 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

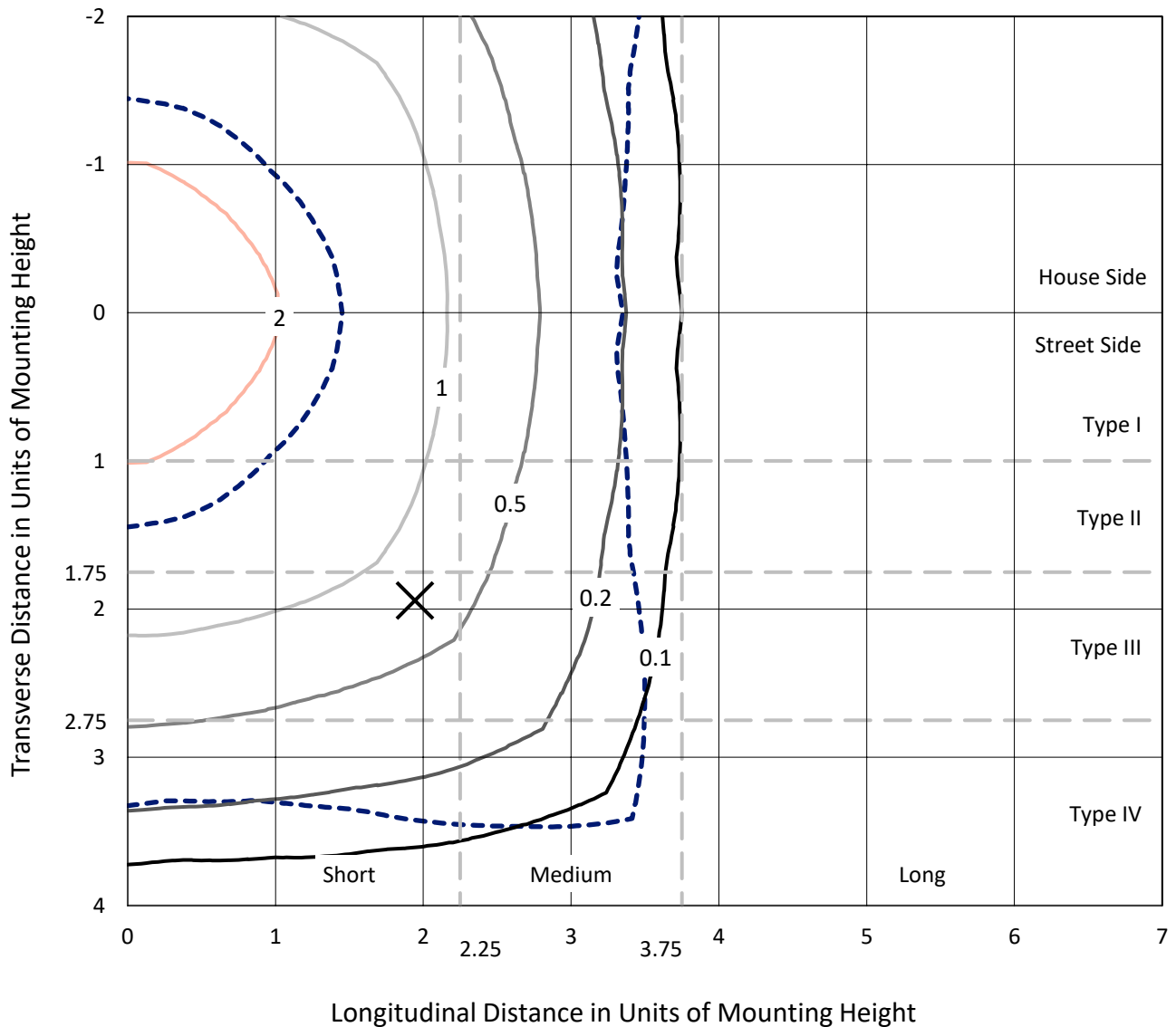
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

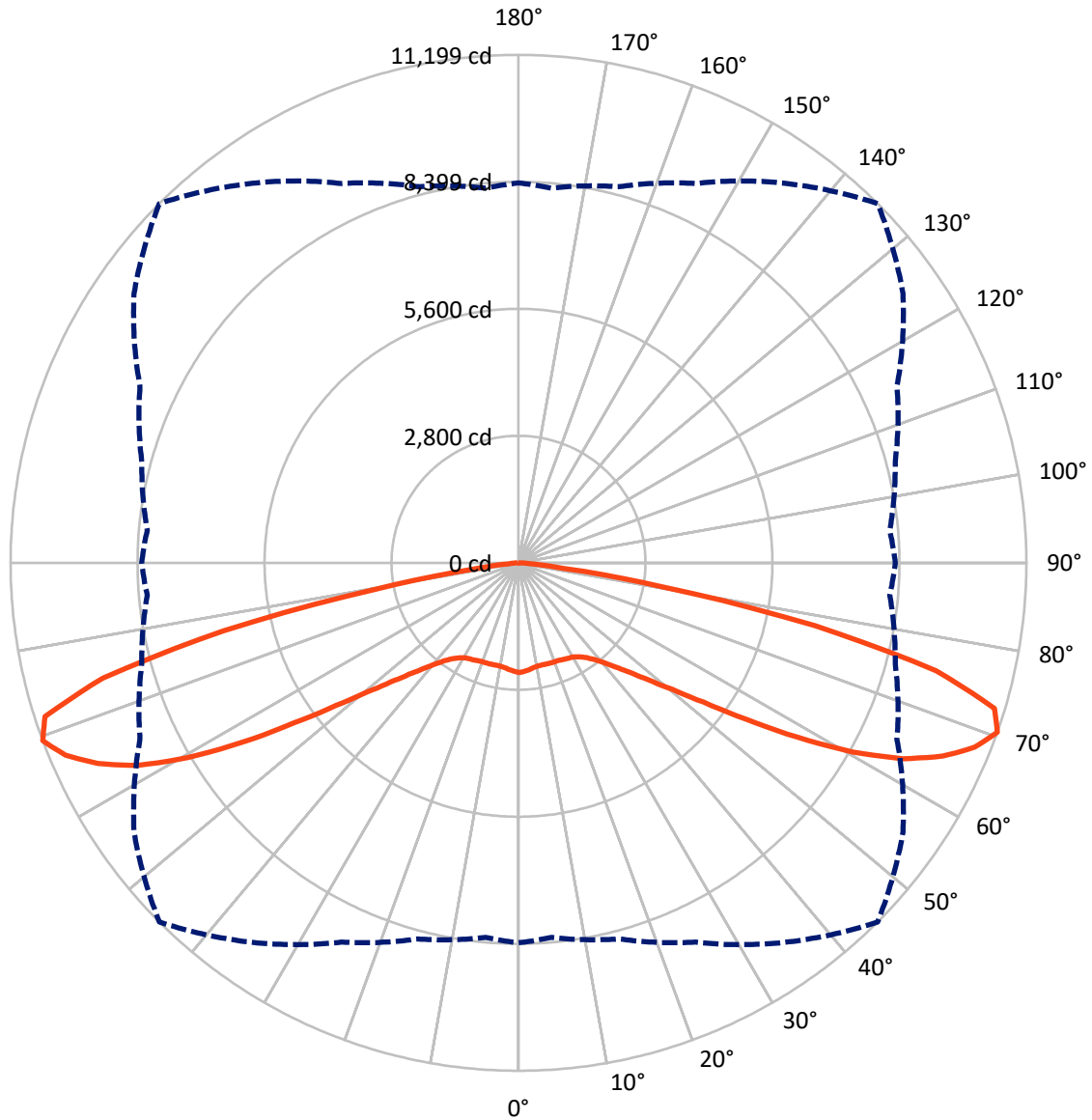
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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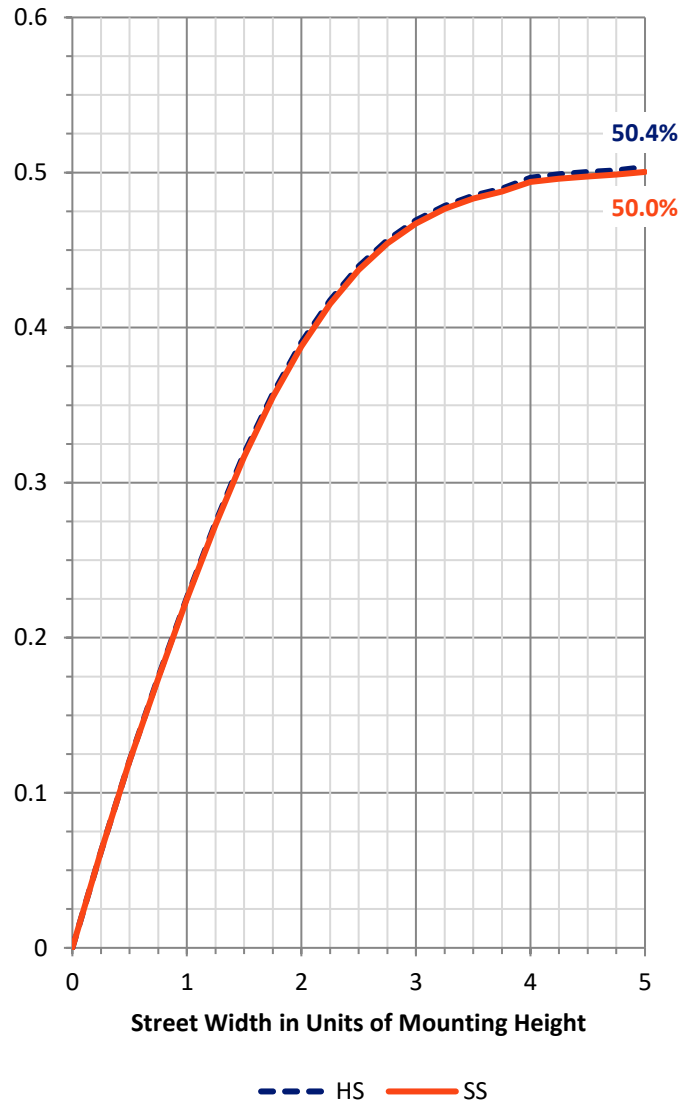
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13259.0	0.0	13259.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13259.0	0.0	13259.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26518.0	0.0	26518.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.0	0.8
10°-20°	660.7	2.5
20°-30°	1099.5	4.1
30°-40°	1662.8	6.3
40°-50°	2763.2	10.4
50°-60°	5214.1	19.7
60°-70°	8804.2	33.2
70°-80°	5785.3	21.8
80°-90°	303.1	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°	26518.0	100.0
0°-180°	26518.0	100.0

Coefficient of Utilization



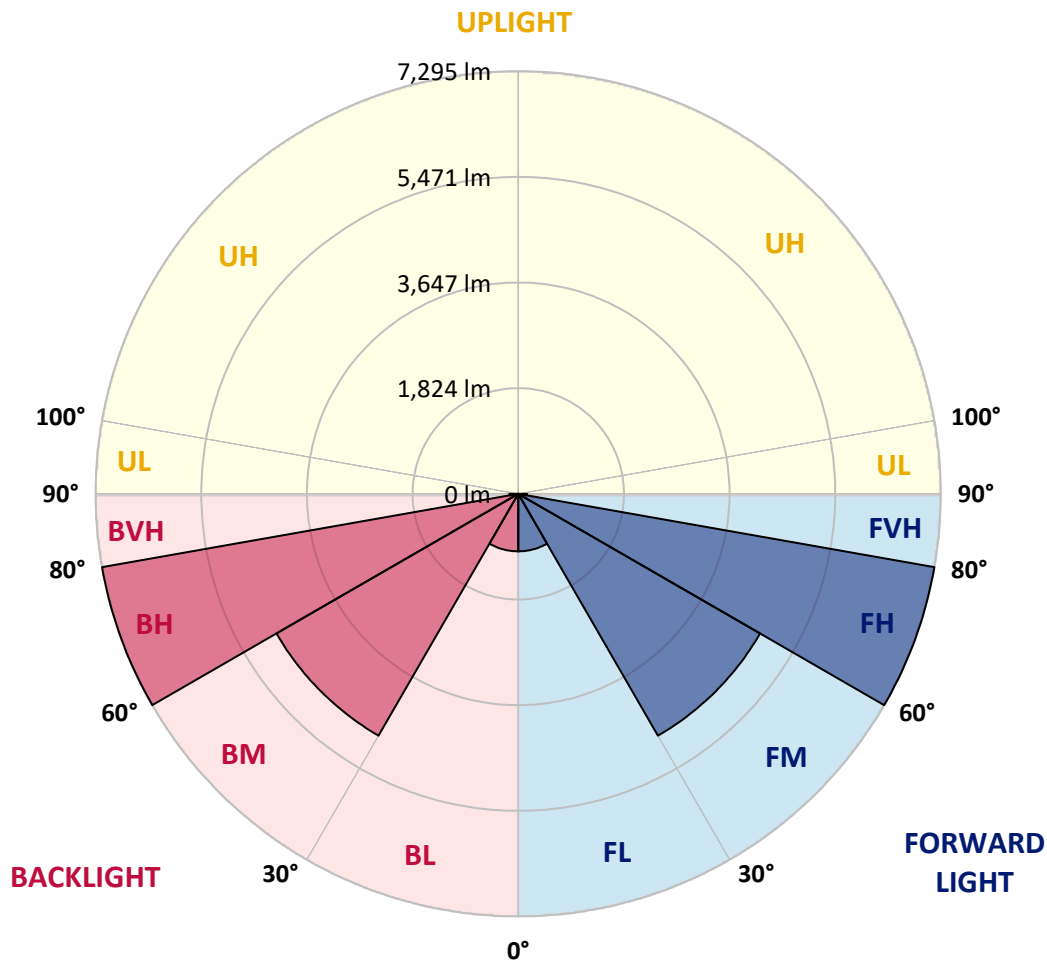
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	992.6	3.7			
FM (30°-60°)	4820.1	18.2			
FH (60°-80°)	7294.8	27.5			G3/7500
FVH (80°-90°)	151.5	0.6			G2/225
BL (0°-30°)	992.6	3.7	B2/1000		
BM (30°-60°)	4820.1	18.2	B3/5000		
BH (60°-80°)	7294.8	27.5	B5		G3/7500
BVH (80°-90°)	151.5	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-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2419.0	2419.0	2419.0	2419.0	2419.0	2419.0	2419.0	2419.0	2419.0	2419.0
2.5°	2403.8	2410.7	2407.9	2402.4	2402.4	2398.3	2402.4	2405.2	2409.3	2412.1
5°	2372.1	2377.6	2376.2	2372.1	2373.5	2369.4	2372.1	2376.2	2379.0	2380.4
7.5°	2344.5	2350.1	2347.3	2340.4	2340.4	2336.3	2337.7	2341.8	2345.9	2347.3
10°	2337.7	2343.2	2334.9	2323.9	2319.7	2314.2	2315.6	2319.7	2328.0	2332.1
12.5°	2340.4	2344.5	2336.3	2319.7	2315.6	2310.1	2310.1	2314.2	2325.2	2330.8
15°	2348.7	2352.8	2340.4	2322.5	2318.4	2314.2	2312.8	2318.4	2330.8	2340.4
17.5°	2363.8	2368.0	2348.7	2323.9	2318.4	2319.7	2318.4	2322.5	2341.8	2359.7
20°	2377.6	2380.4	2354.2	2323.9	2318.4	2319.7	2318.4	2326.6	2351.4	2376.2
22.5°	2381.8	2384.5	2359.7	2333.5	2329.4	2330.8	2329.4	2337.7	2361.1	2385.9
25°	2383.1	2387.3	2368.0	2347.3	2354.2	2357.0	2354.2	2355.6	2373.5	2395.5
27.5°	2403.8	2409.3	2391.4	2373.5	2377.6	2376.2	2380.4	2384.5	2398.3	2420.4
30°	2446.5	2450.7	2435.5	2417.6	2414.8	2405.2	2417.6	2431.4	2446.5	2465.8
32.5°	2516.8	2525.1	2505.8	2486.5	2474.1	2468.6	2478.2	2501.7	2522.4	2543.0
35°	2634.0	2639.5	2621.6	2585.8	2563.7	2563.7	2572.0	2602.3	2635.4	2661.6
37.5°	2799.4	2806.3	2774.6	2731.9	2698.8	2698.8	2709.8	2741.5	2791.1	2828.3
40°	3000.6	3010.3	2970.3	2926.2	2894.5	2889.0	2902.8	2938.6	2985.5	3032.3
42.5°	3243.2	3254.2	3201.9	3163.3	3138.5	3138.5	3145.4	3178.4	3221.2	3279.1
45°	3553.3	3572.6	3501.0	3462.4	3438.9	3444.5	3448.6	3477.5	3516.1	3582.3
47.5°	3922.7	3942.0	3866.2	3826.3	3822.1	3848.3	3831.8	3852.4	3873.1	3948.9
50°	4341.8	4374.8	4322.5	4319.7	4328.0	4376.2	4337.6	4348.6	4325.2	4373.5
52.5°	4854.5	4902.7	4893.1	4909.6	5002.0	5101.2	5013.0	4974.4	4886.2	4901.4
55°	5476.1	5549.2	5563.0	5662.2	5871.7	6074.3	5886.9	5731.1	5543.7	5509.2
57.5°	6183.2	6241.1	6307.3	6509.9	6901.3	7261.1	6901.3	6556.7	6261.8	6191.5
60°	6944.0	7015.7	7079.1	7378.2	7959.9	8465.7	7948.8	7401.7	7011.6	6916.5
62.5°	7761.4	7853.7	7897.9	8230.0	8908.2	9511.9	8917.8	8254.8	7822.0	7720.0
65°	8545.7	8621.5	8671.1	9025.3	9673.1	10278.2	9717.3	9063.9	8618.7	8485.0
67.5°	8910.9	8952.3	9073.6	9474.7	10158.3	10848.9	10274.1	9517.4	9019.8	8785.5
70°	8376.1	8292.1	8584.3	9226.6	10216.2	11199.0	10348.5	9207.3	8598.0	8217.6
72.5°	6472.7	6327.9	6835.2	7933.7	9554.6	10975.7	9620.8	7995.7	7150.8	6378.9
75°	3521.6	3357.6	4057.8	5447.2	7619.4	9513.3	7794.5	5602.9	4518.2	3495.5
77.5°	993.8	931.8	1496.9	2635.4	4583.0	6679.4	4759.4	2693.3	1775.3	1053.0
80°	304.6	295.0	399.7	793.9	1946.2	3199.1	1870.4	803.6	508.6	321.2
82.5°	180.6	165.4	198.5	289.5	496.2	1004.8	482.4	301.9	242.6	162.6
85°	103.4	96.5	117.2	140.6	166.8	213.6	139.2	143.3	129.6	86.8
87.5°	42.7	38.6	45.5	44.1	38.6	49.6	37.2	44.1	52.4	34.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2419.0
2410.7
2380.4
2347.3
2332.1
2332.1
2341.8
2359.7
2377.6
2385.9
2394.2
2414.8
2461.7
2534.8
2651.9
2814.6
3017.2
3274.9
3579.5
3926.9
4344.5
4850.4
5455.4
6141.9
6833.8
7637.3
8418.9
8788.3
8308.6
6570.5
3722.9
1170.2
339.1
176.4
91.0
31.7
0.0

OF REPORT)