

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: P847651

Luminaire Tested: **GLAN-SB3D-835-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847651
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-835-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25571 lumens
Efficiency: N/A
Efficacy: 117.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

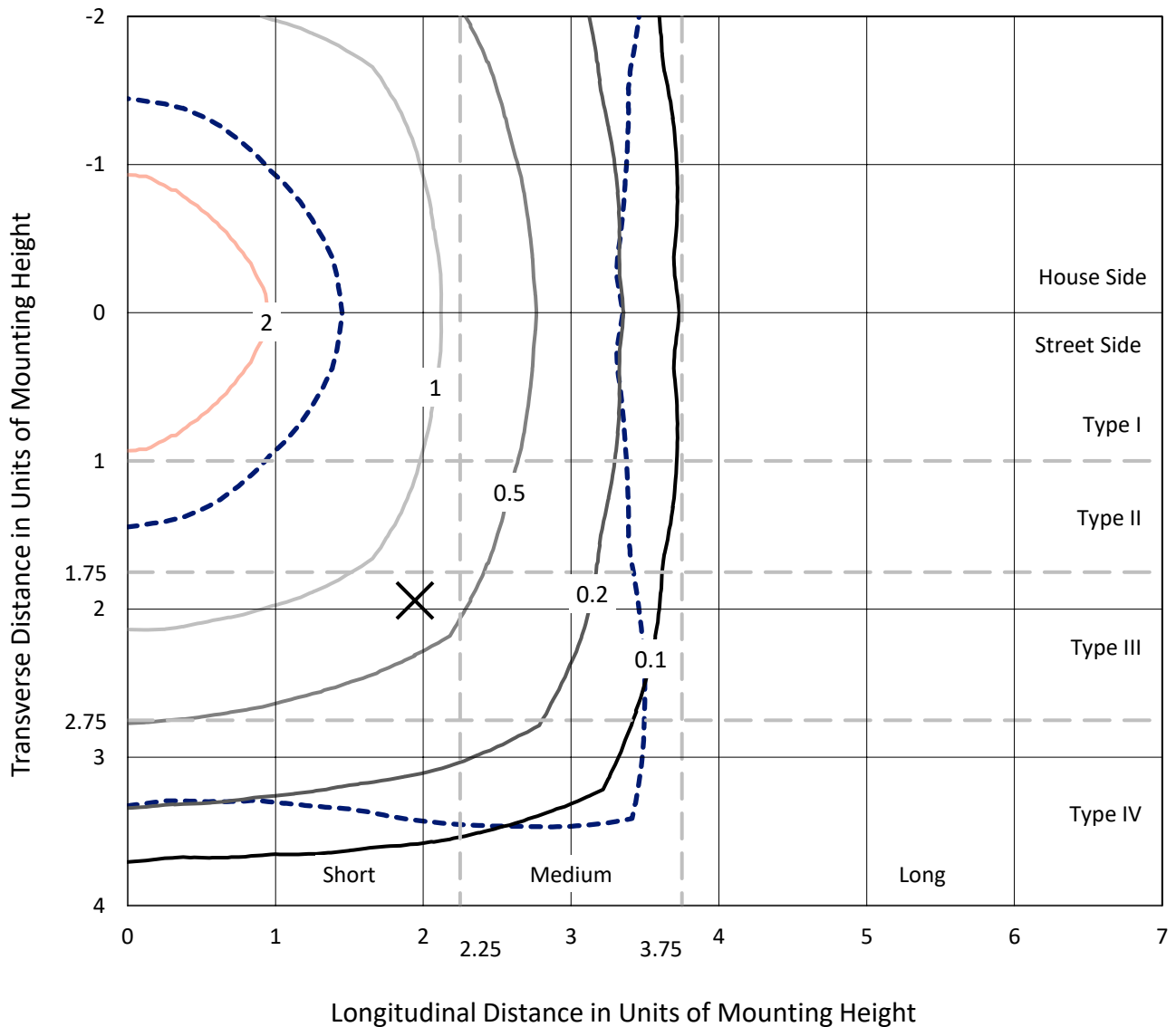
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

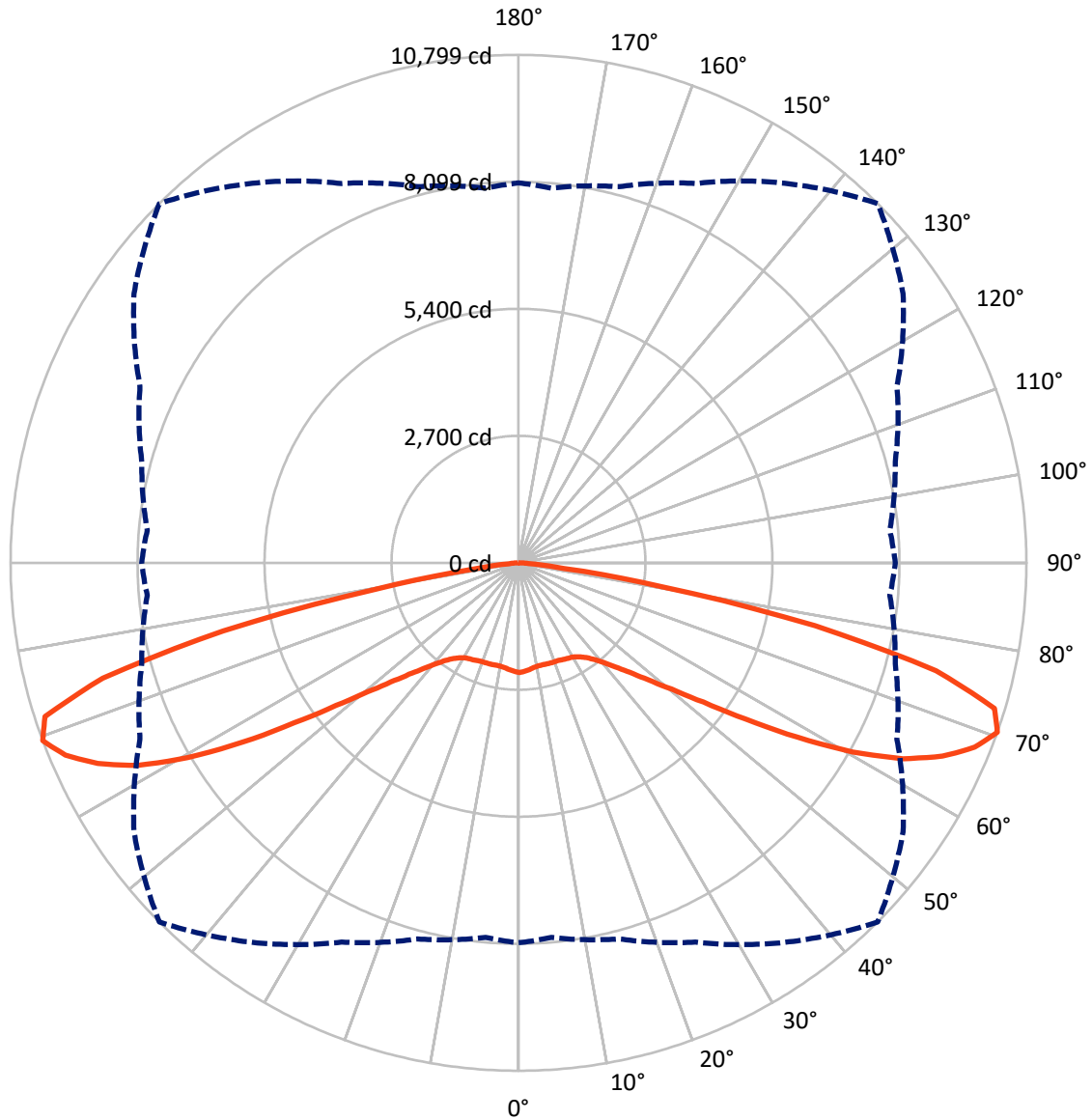
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 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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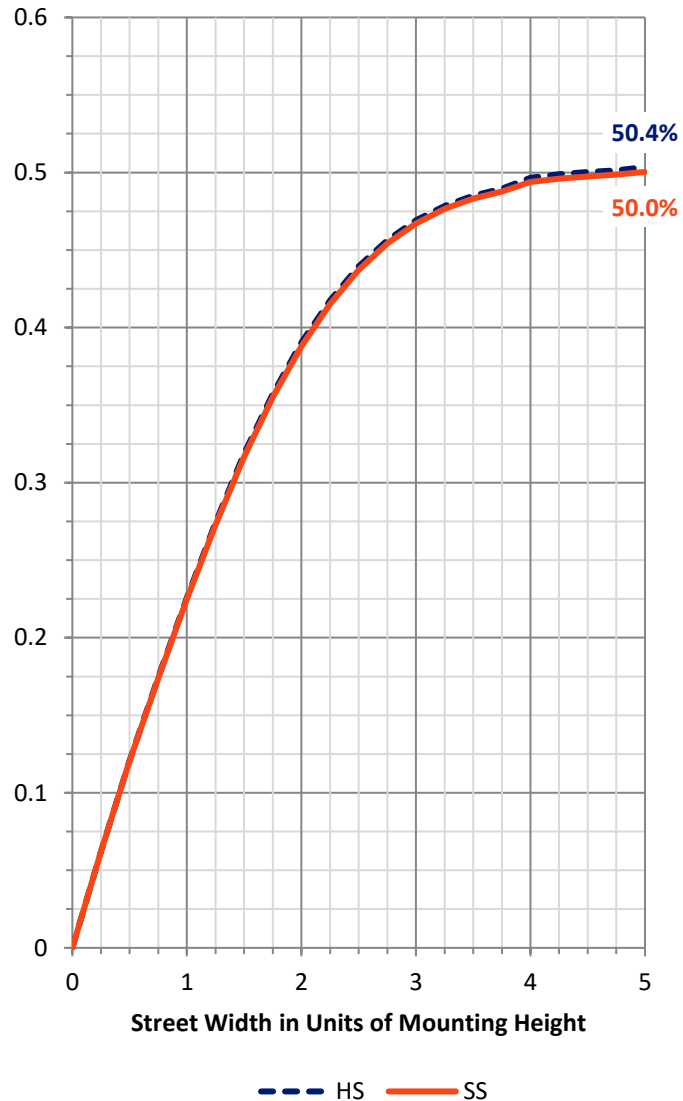
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12785.5	0.0	12785.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12785.5	0.0	12785.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	25571.0	0.0	25571.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.0	0.8
10°-20°	637.1	2.5
20°-30°	1060.3	4.1
30°-40°	1603.4	6.3
40°-50°	2664.5	10.4
50°-60°	5027.9	19.7
60°-70°	8489.8	33.2
70°-80°	5578.7	21.8
80°-90°	292.3	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°	25571.0	100.0
0°-180°	25571.0	100.0

Coefficient of Utilization



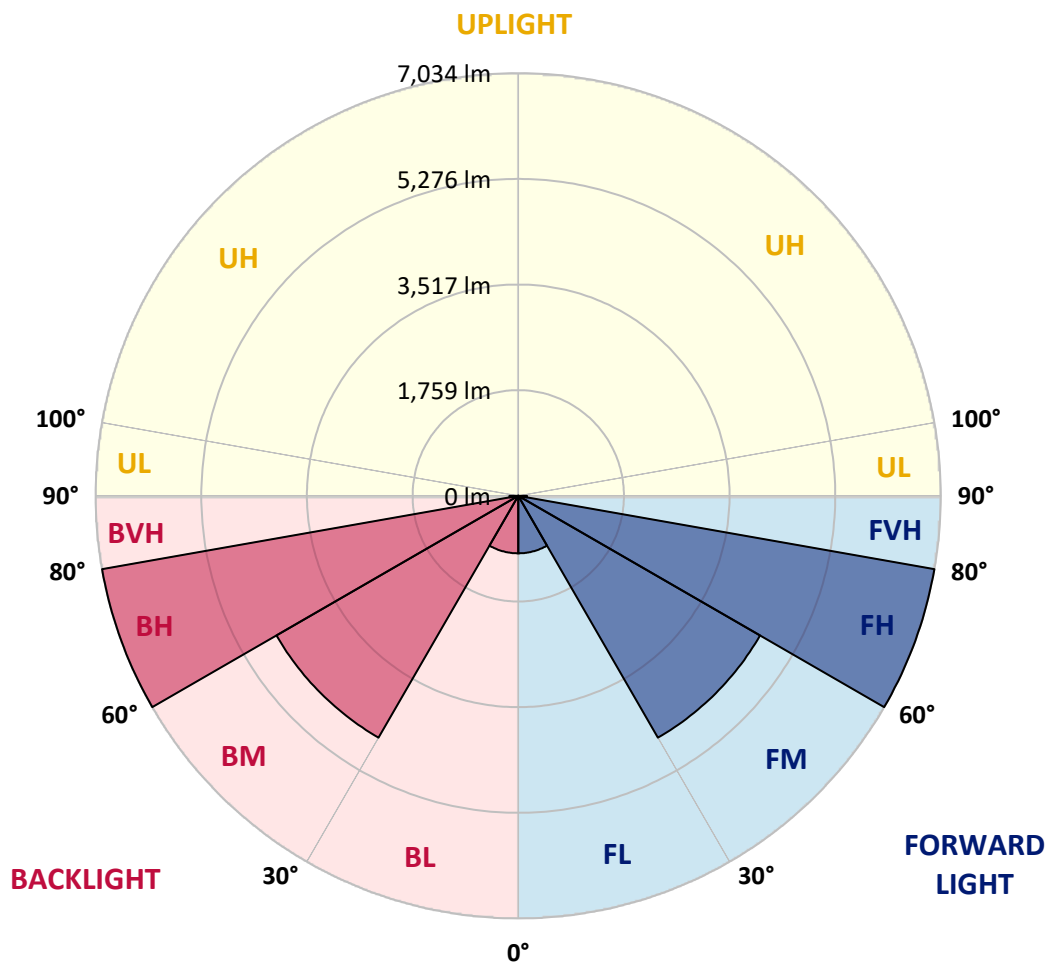
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	957.2	3.7			
FM (30°-60°)	4647.9	18.2			
FH (60°-80°)	7034.2	27.5			G3/7500
FVH (80°-90°)	146.1	0.6			G2/225
BL (0°-30°)	957.2	3.7	B2/1000		
BM (30°-60°)	4647.9	18.2	B3/5000		
BH (60°-80°)	7034.2	27.5	B5		G3/7500
BVH (80°-90°)	146.1	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°	2332.6	2332.6	2332.6	2332.6	2332.6	2332.6	2332.6	2332.6	2332.6	2332.6
2.5°	2318.0	2324.6	2322.0	2316.6	2316.6	2312.7	2316.6	2319.3	2323.3	2325.9
5°	2287.4	2292.7	2291.4	2287.4	2288.7	2284.7	2287.4	2291.4	2294.0	2295.4
7.5°	2260.8	2266.1	2263.5	2256.8	2256.8	2252.8	2254.2	2258.2	2262.1	2263.5
10°	2254.2	2259.5	2251.5	2240.9	2236.9	2231.6	2232.9	2236.9	2244.9	2248.9
12.5°	2256.8	2260.8	2252.8	2236.9	2232.9	2227.6	2227.6	2231.6	2242.2	2247.5
15°	2264.8	2268.8	2256.8	2239.6	2235.6	2231.6	2230.2	2235.6	2247.5	2256.8
17.5°	2279.4	2283.4	2264.8	2240.9	2235.6	2236.9	2235.6	2239.6	2258.2	2275.4
20°	2292.7	2295.4	2270.1	2240.9	2235.6	2236.9	2235.6	2243.5	2267.5	2291.4
22.5°	2296.7	2299.4	2275.4	2250.2	2246.2	2247.5	2246.2	2254.2	2276.8	2300.7
25°	2298.0	2302.0	2283.4	2263.5	2270.1	2272.8	2270.1	2271.5	2288.7	2310.0
27.5°	2318.0	2323.3	2306.0	2288.7	2292.7	2291.4	2295.4	2299.4	2312.7	2333.9
30°	2359.2	2363.2	2348.5	2331.3	2328.6	2319.3	2331.3	2344.6	2359.2	2377.8
32.5°	2427.0	2434.9	2416.3	2397.7	2385.8	2380.4	2389.7	2412.3	2432.3	2452.2
35°	2539.9	2545.2	2528.0	2493.4	2472.1	2472.1	2480.1	2509.4	2541.3	2566.5
37.5°	2699.4	2706.1	2675.5	2634.3	2602.4	2602.4	2613.0	2643.6	2691.5	2727.3
40°	2893.5	2902.8	2864.2	2821.7	2791.1	2785.8	2799.1	2833.7	2878.9	2924.0
42.5°	3127.4	3138.0	3087.5	3050.3	3026.4	3026.4	3033.0	3064.9	3106.1	3162.0
45°	3426.4	3445.1	3375.9	3338.7	3316.1	3321.4	3325.4	3353.3	3390.6	3454.4
47.5°	3782.7	3801.3	3728.2	3689.6	3685.6	3710.9	3694.9	3714.9	3734.8	3807.9
50°	4186.7	4218.6	4168.1	4165.4	4173.4	4219.9	4182.7	4193.3	4170.8	4217.3
52.5°	4681.1	4727.6	4718.3	4734.3	4823.3	4919.0	4834.0	4796.8	4711.7	4726.3
55°	5280.6	5351.0	5364.3	5460.0	5662.0	5857.4	5676.6	5526.4	5345.7	5312.5
57.5°	5962.4	6018.2	6082.0	6277.4	6654.9	7001.8	6654.9	6322.6	6038.2	5970.4
60°	6696.1	6765.2	6826.3	7114.7	7675.6	8163.4	7665.0	7137.3	6761.2	6669.5
62.5°	7484.2	7573.3	7615.8	7936.1	8590.0	9172.2	8599.3	7960.0	7542.7	7444.4
65°	8240.5	8313.6	8361.4	8703.0	9327.7	9911.2	9370.2	8740.2	8310.9	8182.0
67.5°	8592.7	8632.6	8749.5	9136.3	9795.5	10461.4	9907.2	9177.5	8697.7	8471.8
70°	8077.0	7995.9	8277.7	8897.1	9851.4	10799.0	9979.0	8878.5	8291.0	7924.2
72.5°	6241.5	6101.9	6591.1	7650.4	9213.4	10583.7	9277.2	7710.2	6895.4	6151.1
75°	3395.9	3237.7	3912.9	5252.6	7347.3	9173.5	7516.1	5402.8	4356.8	3370.6
77.5°	958.3	898.5	1443.4	2541.3	4419.3	6440.9	4589.4	2597.1	1711.9	1015.4
80°	293.7	284.4	385.4	765.6	1876.7	3084.9	1803.6	774.9	490.4	309.7
82.5°	174.1	159.5	191.4	279.1	478.5	968.9	465.2	291.1	233.9	156.8
85°	99.7	93.0	113.0	135.6	160.8	206.0	134.2	138.2	124.9	83.7
87.5°	41.2	37.2	43.9	42.5	37.2	47.8	35.9	42.5	50.5	33.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2332.6
2324.6
2295.4
2263.5
2248.9
2248.9
2258.2
2275.4
2292.7
2300.7
2308.7
2328.6
2373.8
2444.2
2557.2
2714.0
2909.4
3158.0
3451.7
3786.6
4189.4
4677.1
5260.6
5922.5
6589.7
7364.6
8118.2
8474.4
8011.9
6335.9
3589.9
1128.4
327.0
170.1
87.7
30.6
0.0

OF REPORT)