

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: P847561

Luminaire Tested: **GLAN-SB3D-722-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847561
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-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24150 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

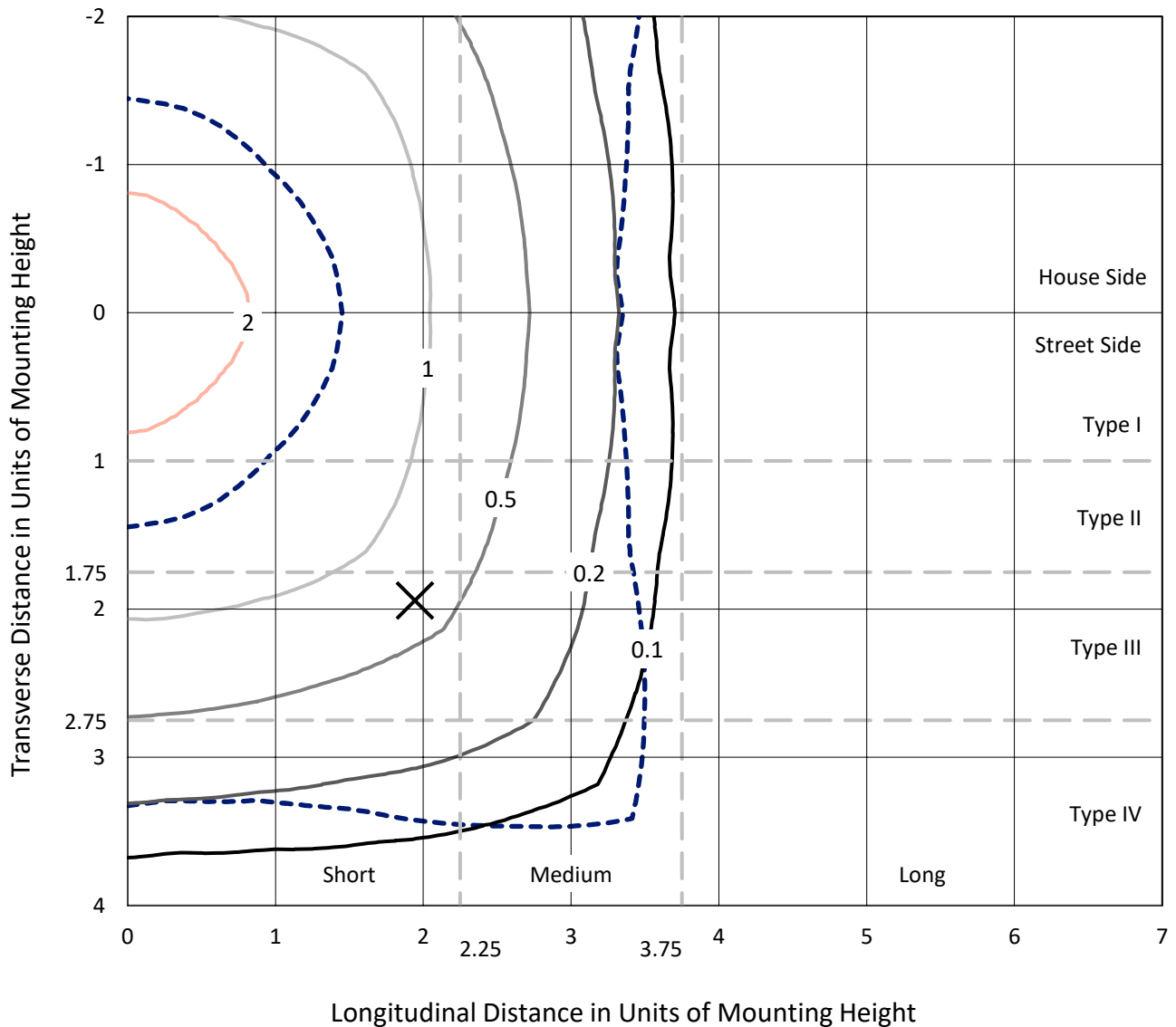
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

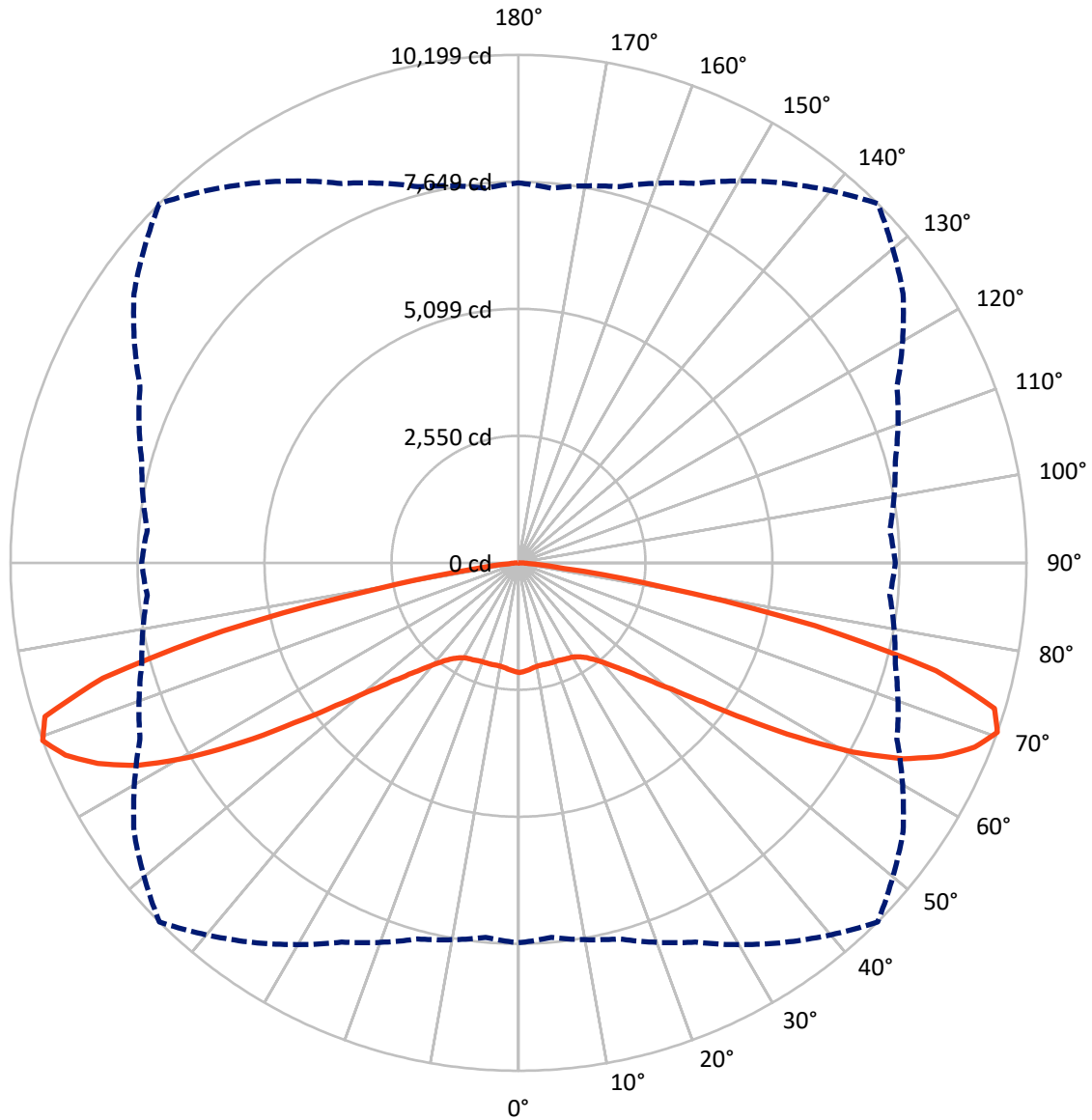
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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	12075.0	0.0	12075.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12075.0	0.0	12075.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24150.0	0.0	24150.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.9	0.8
10°-20°	601.7	2.5
20°-30°	1001.3	4.1
30°-40°	1514.3	6.3
40°-50°	2516.5	10.4
50°-60°	4748.5	19.7
60°-70°	8018.0	33.2
70°-80°	5268.7	21.8
80°-90°	276.0	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°	24150.0	100.0
0°-180°	24150.0	100.0

Coefficient of Utilization



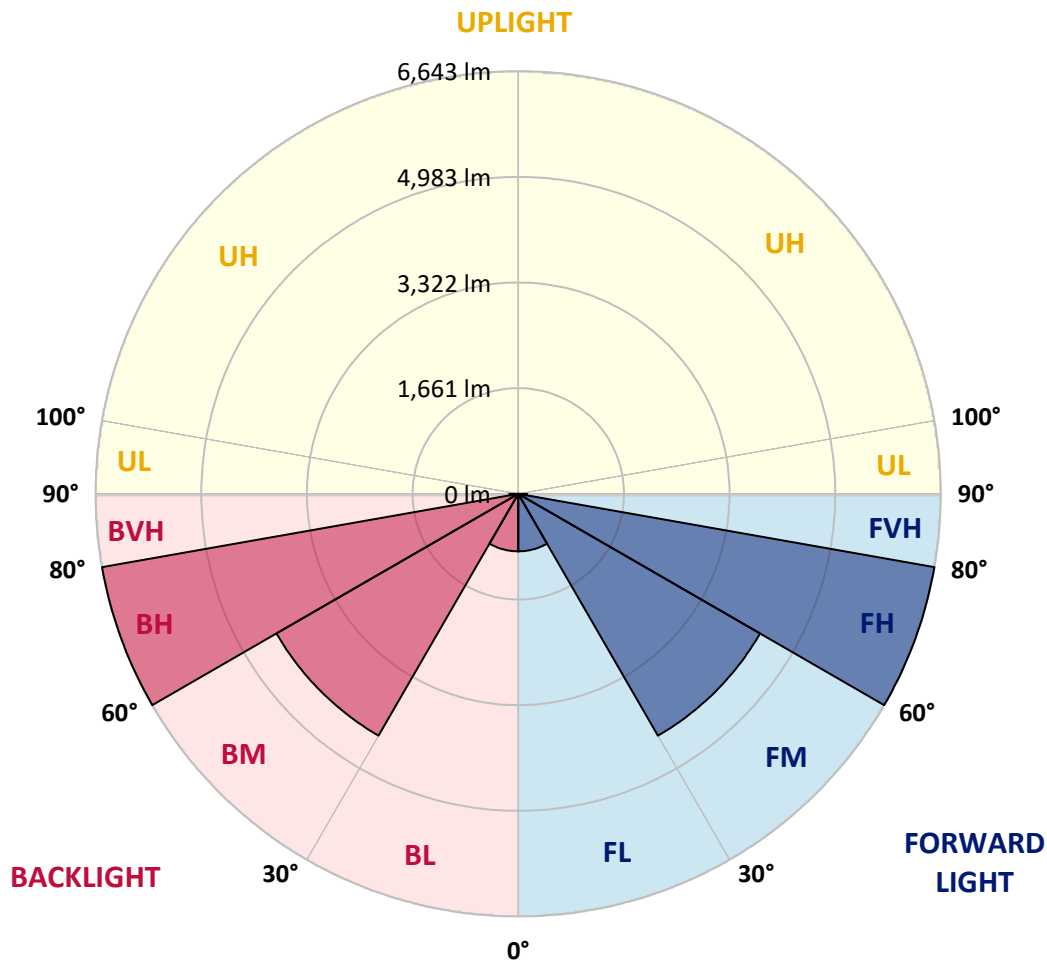
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	904.0	3.7			
FM (30°-60°)	4389.6	18.2			
FH (60°-80°)	6643.3	27.5			G3/7500
FVH (80°-90°)	138.0	0.6			G2/225
BL (0°-30°)	904.0	3.7	B2/1000		
BM (30°-60°)	4389.6	18.2	B3/5000		
BH (60°-80°)	6643.3	27.5	B5		G3/7500
BVH (80°-90°)	138.0	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°	2203.0	2203.0	2203.0	2203.0	2203.0	2203.0	2203.0	2203.0	2203.0	2203.0
2.5°	2189.2	2195.4	2192.9	2187.9	2187.9	2184.1	2187.9	2190.4	2194.2	2196.7
5°	2160.3	2165.3	2164.1	2160.3	2161.5	2157.8	2160.3	2164.1	2166.6	2167.8
7.5°	2135.2	2140.2	2137.7	2131.4	2131.4	2127.7	2128.9	2132.7	2136.4	2137.7
10°	2128.9	2133.9	2126.4	2116.4	2112.6	2107.6	2108.8	2112.6	2120.1	2123.9
12.5°	2131.4	2135.2	2127.7	2112.6	2108.8	2103.8	2103.8	2107.6	2117.6	2122.6
15°	2138.9	2142.7	2131.4	2115.1	2111.3	2107.6	2106.3	2111.3	2122.6	2131.4
17.5°	2152.8	2156.5	2138.9	2116.4	2111.3	2112.6	2111.3	2115.1	2132.7	2149.0
20°	2165.3	2167.8	2144.0	2116.4	2111.3	2112.6	2111.3	2118.9	2141.5	2164.1
22.5°	2169.1	2171.6	2149.0	2125.1	2121.4	2122.6	2121.4	2128.9	2150.2	2172.8
25°	2170.3	2174.1	2156.5	2137.7	2144.0	2146.5	2144.0	2145.2	2161.5	2181.6
27.5°	2189.2	2194.2	2177.9	2161.5	2165.3	2164.1	2167.8	2171.6	2184.1	2204.2
30°	2228.1	2231.8	2218.0	2201.7	2199.2	2190.4	2201.7	2214.3	2228.1	2245.6
32.5°	2292.1	2299.6	2282.0	2264.5	2253.2	2248.2	2256.9	2278.3	2297.1	2315.9
35°	2398.8	2403.8	2387.5	2354.9	2334.8	2334.8	2342.3	2369.9	2400.0	2423.9
37.5°	2549.4	2555.7	2526.8	2487.9	2457.8	2457.8	2467.8	2496.7	2541.9	2575.8
40°	2732.7	2741.5	2705.1	2664.9	2636.0	2631.0	2643.6	2676.2	2718.9	2761.6
42.5°	2953.6	2963.6	2915.9	2880.8	2858.2	2858.2	2864.5	2894.6	2933.5	2986.2
45°	3236.0	3253.6	3188.3	3153.2	3131.9	3136.9	3140.6	3167.0	3202.1	3262.4
47.5°	3572.4	3590.0	3521.0	3484.6	3480.8	3504.7	3489.6	3508.4	3527.3	3596.3
50°	3954.0	3984.2	3936.5	3934.0	3941.5	3985.4	3950.3	3960.3	3939.0	3982.9
52.5°	4421.0	4464.9	4456.1	4471.2	4555.3	4645.7	4565.3	4530.2	4449.9	4463.7
55°	4987.1	5053.6	5066.2	5156.6	5347.4	5531.9	5361.2	5219.3	5048.6	5017.2
57.5°	5631.1	5683.8	5744.0	5928.6	6285.0	6612.7	6285.0	5971.2	5702.6	5638.6
60°	6324.0	6389.2	6447.0	6719.4	7249.1	7709.8	7239.0	6740.7	6385.5	6298.9
62.5°	7068.3	7152.4	7192.6	7495.1	8112.7	8662.5	8121.5	7517.7	7123.6	7030.7
65°	7782.6	7851.6	7896.8	8219.4	8809.4	9360.4	8849.5	8254.5	7849.1	7727.3
67.5°	8115.2	8152.9	8263.3	8628.6	9251.2	9880.1	9356.6	8667.5	8214.4	8001.0
70°	7628.2	7551.6	7817.7	8402.7	9303.9	10198.9	9424.4	8385.1	7830.3	7483.8
72.5°	5894.7	5762.9	6224.8	7225.2	8701.4	9995.6	8761.7	7281.7	6512.2	5809.3
75°	3207.2	3057.8	3695.5	4960.8	6939.0	8663.7	7098.4	5102.6	4114.7	3183.3
77.5°	905.0	848.5	1363.2	2400.0	4173.7	6082.9	4334.4	2452.8	1616.8	959.0
80°	277.4	268.6	364.0	723.0	1772.4	2913.4	1703.4	731.8	463.2	292.5
82.5°	164.4	150.6	180.8	263.6	451.9	915.1	439.3	274.9	220.9	148.1
85°	94.1	87.9	106.7	128.0	151.9	194.6	126.8	130.5	118.0	79.1
87.5°	38.9	35.1	41.4	40.2	35.1	45.2	33.9	40.2	47.7	31.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2203.0
2195.4
2167.8
2137.7
2123.9
2123.9
2132.7
2149.0
2165.3
2172.8
2180.4
2199.2
2241.9
2308.4
2415.1
2563.2
2747.7
2982.5
3259.9
3576.2
3956.6
4417.2
4968.3
5593.4
6223.5
6955.3
7667.1
8003.5
7566.7
5983.8
3390.4
1065.7
308.8
160.7
82.8
28.9
0.0

OF REPORT)