

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: P848661

Luminaire Tested: **GLAN-SB5B-830-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848661
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-SB5B-830-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24705 lumens
Efficiency: N/A
Efficacy: 135.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

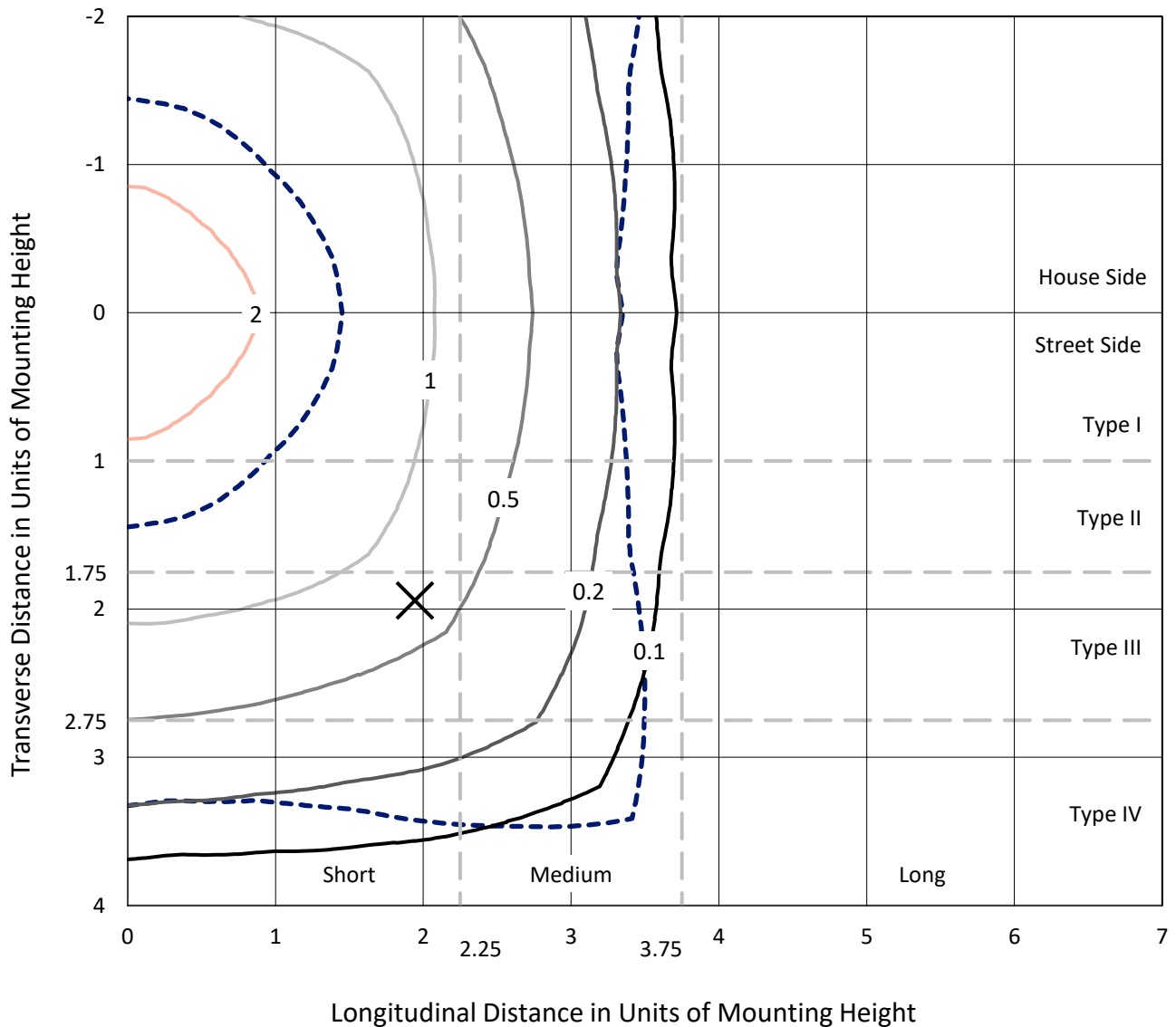
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

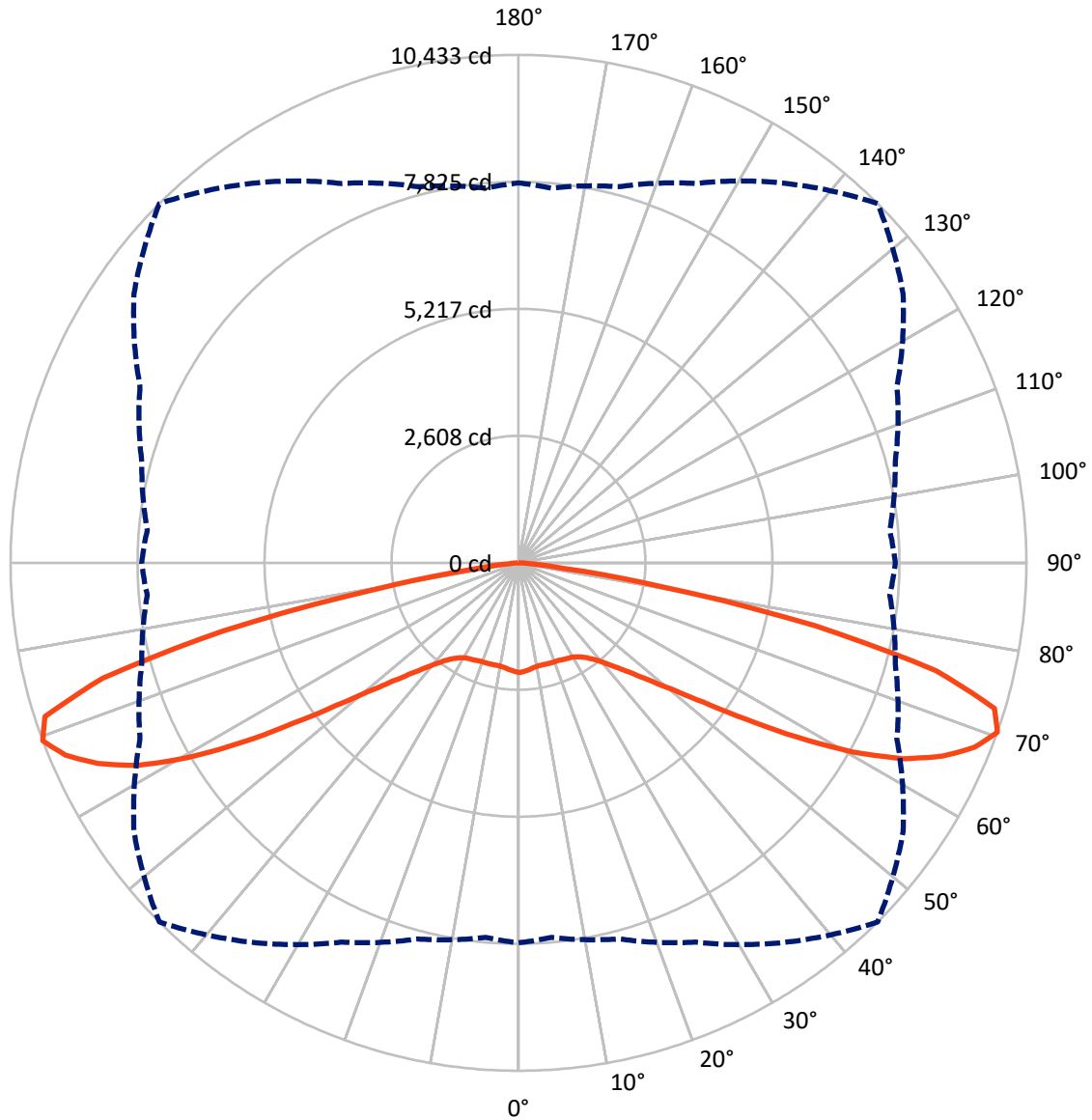
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 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	12352.5	0.0	12352.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12352.5	0.0	12352.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	24705.0	0.0	24705.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.6	0.8
10°-20°	615.5	2.5
20°-30°	1024.4	4.1
30°-40°	1549.1	6.3
40°-50°	2574.3	10.4
50°-60°	4857.6	19.7
60°-70°	8202.3	33.2
70°-80°	5389.7	21.8
80°-90°	282.4	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°	24705.0	100.0
0°-180°	24705.0	100.0

Coefficient of Utilization



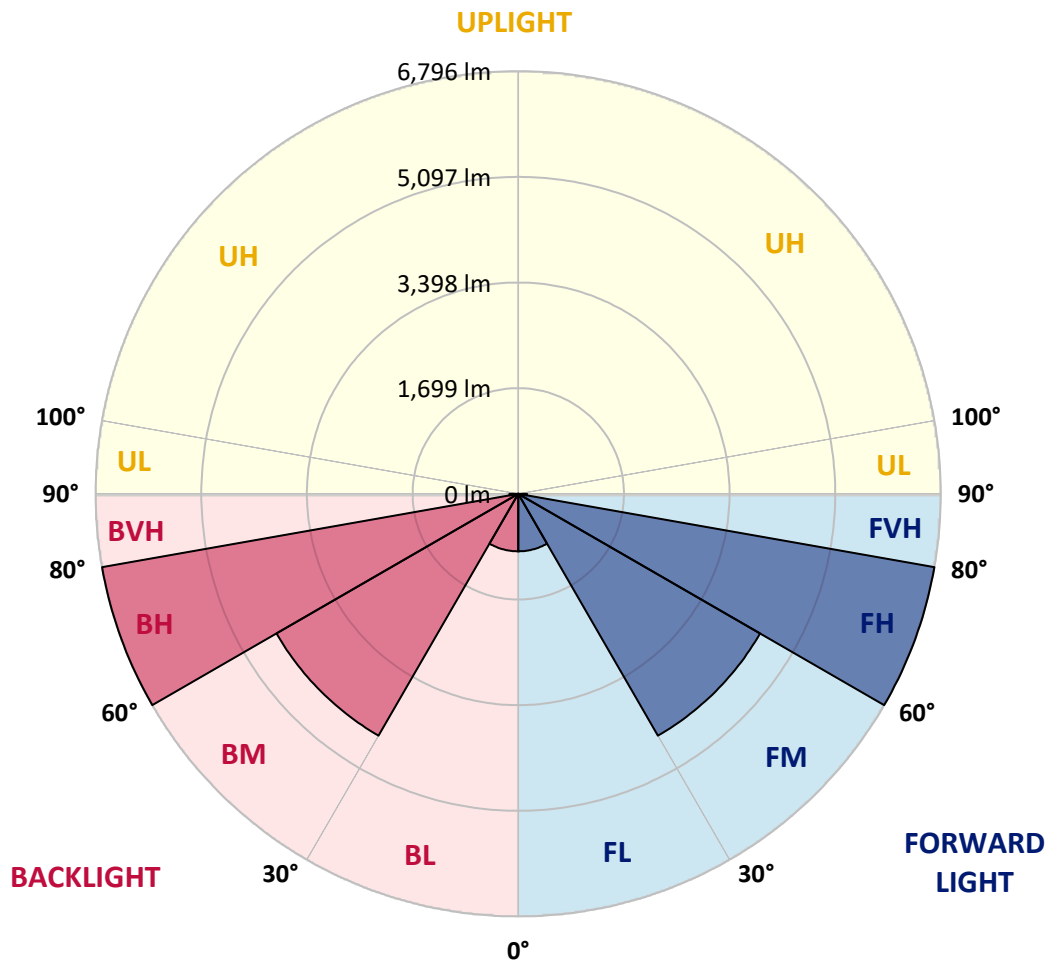
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	924.8	3.7			
FM (30°-60°)	4490.5	18.2			
FH (60°-80°)	6796.0	27.5			G3/7500
FVH (80°-90°)	141.2	0.6			G2/225
BL (0°-30°)	924.8	3.7	B2/1000		
BM (30°-60°)	4490.5	18.2	B3/5000		
BH (60°-80°)	6796.0	27.5	B5		G3/7500
BVH (80°-90°)	141.2	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°	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6
2.5°	2239.5	2245.9	2243.3	2238.2	2238.2	2234.3	2238.2	2240.8	2244.6	2247.2
5°	2209.9	2215.1	2213.8	2209.9	2211.2	2207.4	2209.9	2213.8	2216.4	2217.6
7.5°	2184.3	2189.4	2186.8	2180.4	2180.4	2176.5	2177.8	2181.7	2185.5	2186.8
10°	2177.8	2183.0	2175.3	2165.0	2161.1	2156.0	2157.3	2161.1	2168.8	2172.7
12.5°	2180.4	2184.3	2176.5	2161.1	2157.3	2152.1	2152.1	2156.0	2166.3	2171.4
15°	2188.1	2192.0	2180.4	2163.7	2159.9	2156.0	2154.7	2159.9	2171.4	2180.4
17.5°	2202.2	2206.1	2188.1	2165.0	2159.9	2161.1	2159.9	2163.7	2181.7	2198.4
20°	2215.1	2217.6	2193.2	2165.0	2159.9	2161.1	2159.9	2167.6	2190.7	2213.8
22.5°	2218.9	2221.5	2198.4	2174.0	2170.1	2171.4	2170.1	2177.8	2199.7	2222.8
25°	2220.2	2224.1	2206.1	2186.8	2193.2	2195.8	2193.2	2194.5	2211.2	2231.8
27.5°	2239.5	2244.6	2227.9	2211.2	2215.1	2213.8	2217.6	2221.5	2234.3	2254.9
30°	2279.3	2283.1	2269.0	2252.3	2249.7	2240.8	2252.3	2265.2	2279.3	2297.3
32.5°	2344.8	2352.5	2334.5	2316.5	2305.0	2299.8	2308.8	2330.6	2349.9	2369.2
35°	2453.9	2459.0	2442.4	2409.0	2388.4	2388.4	2396.1	2424.4	2455.2	2479.6
37.5°	2608.0	2614.4	2584.9	2545.1	2514.3	2514.3	2524.5	2554.1	2600.3	2635.0
40°	2795.5	2804.5	2767.2	2726.1	2696.6	2691.5	2704.3	2737.7	2781.4	2825.0
42.5°	3021.5	3031.8	2983.0	2947.0	2923.9	2923.9	2930.3	2961.1	3000.9	3054.9
45°	3310.4	3328.4	3261.6	3225.7	3203.8	3209.0	3212.8	3239.8	3275.7	3337.4
47.5°	3654.5	3672.5	3601.9	3564.7	3560.8	3585.2	3569.8	3589.1	3608.3	3678.9
50°	4044.9	4075.7	4026.9	4024.4	4032.1	4077.0	4041.1	4051.3	4029.5	4074.4
52.5°	4522.6	4567.5	4558.6	4574.0	4660.0	4752.4	4670.3	4634.3	4552.1	4566.3
55°	5101.7	5169.8	5182.6	5275.1	5470.3	5659.0	5484.4	5339.3	5164.6	5132.5
57.5°	5760.5	5814.4	5876.0	6064.8	6429.5	6764.6	6429.5	6108.5	5833.7	5768.2
60°	6469.3	6536.1	6595.1	6873.8	7415.7	7886.9	7405.4	6895.6	6532.2	6443.6
62.5°	7230.8	7316.8	7357.9	7667.4	8299.1	8861.6	8308.1	7690.5	7287.3	7192.2
65°	7961.4	8032.0	8078.3	8408.3	9011.8	9575.5	9052.9	8444.2	8029.5	7904.9
67.5°	8301.7	8340.2	8453.2	8826.9	9463.8	10107.1	9571.7	8866.7	8403.1	8184.8
70°	7803.5	7725.1	7997.4	8595.8	9517.7	10433.3	9641.0	8577.8	8010.2	7655.8
72.5°	6030.1	5895.3	6367.8	7391.3	8901.4	10225.3	8963.0	7449.1	6661.9	5942.8
75°	3280.9	3128.1	3780.4	5074.8	7098.5	8862.8	7261.6	5219.9	4209.3	3256.5
77.5°	925.8	868.1	1394.5	2455.2	4269.6	6222.7	4434.0	2509.1	1653.9	981.1
80°	283.8	274.8	372.4	739.6	1813.1	2980.4	1742.5	748.6	473.8	299.2
82.5°	168.2	154.1	184.9	269.7	462.3	936.1	449.4	281.2	226.0	151.5
85°	96.3	89.9	109.1	131.0	155.4	199.0	129.7	133.5	120.7	80.9
87.5°	39.8	36.0	42.4	41.1	36.0	46.2	34.7	41.1	48.8	32.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2253.6
2245.9
2217.6
2186.8
2172.7
2172.7
2181.7
2198.4
2215.1
2222.8
2230.5
2249.7
2293.4
2361.5
2470.6
2622.1
2810.9
3051.0
3334.8
3658.4
4047.5
4518.7
5082.5
5721.9
6366.6
7115.2
7843.3
8187.4
7740.5
6121.3
3468.4
1090.2
315.9
164.4
84.8
29.5
0.0

OF REPORT)