

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: P849171

Luminaire Tested: **GLAN-SB6A-830-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849171
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-SB6A-830-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23626 lumens
Efficiency: N/A
Efficacy: 138.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

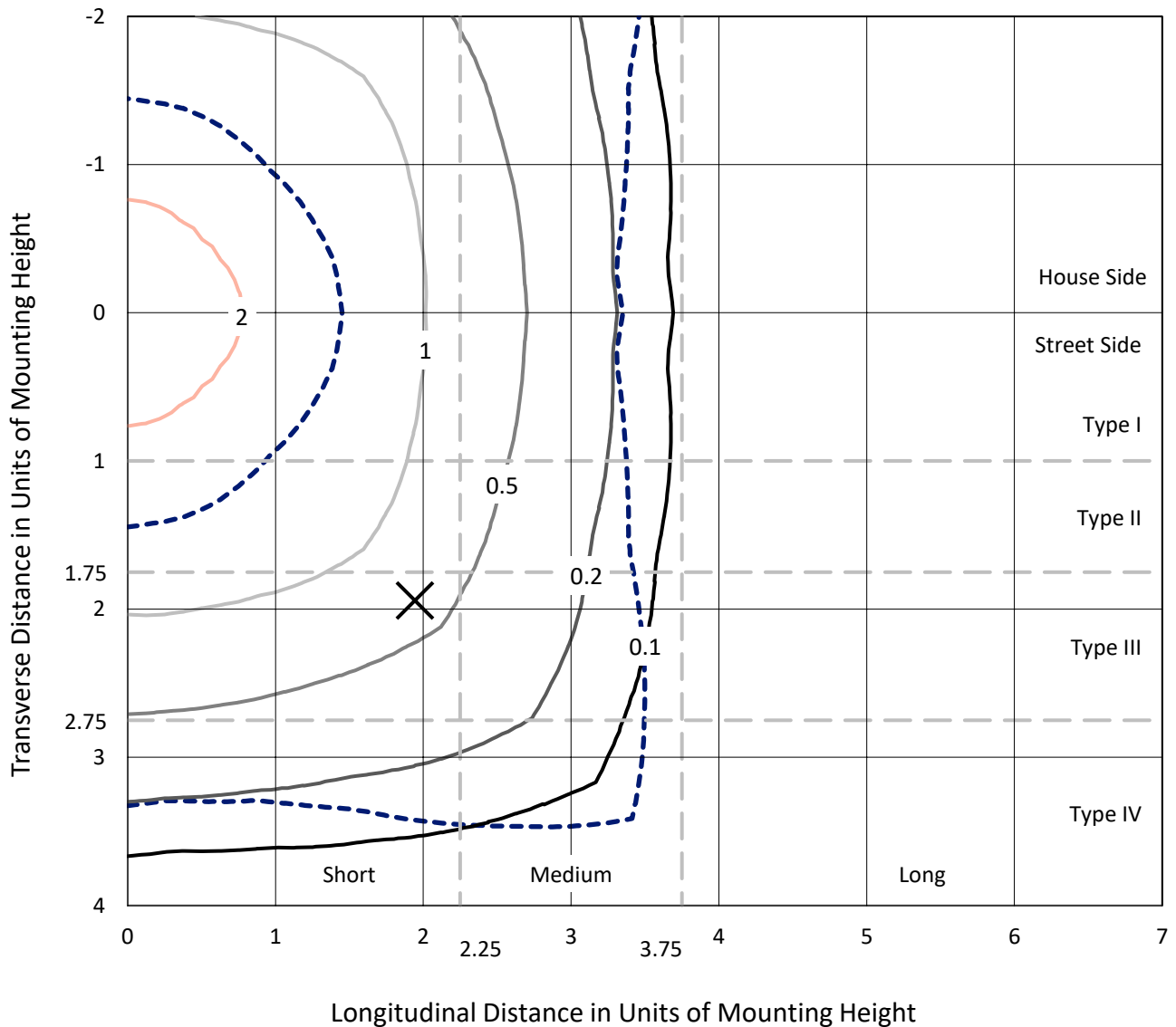
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

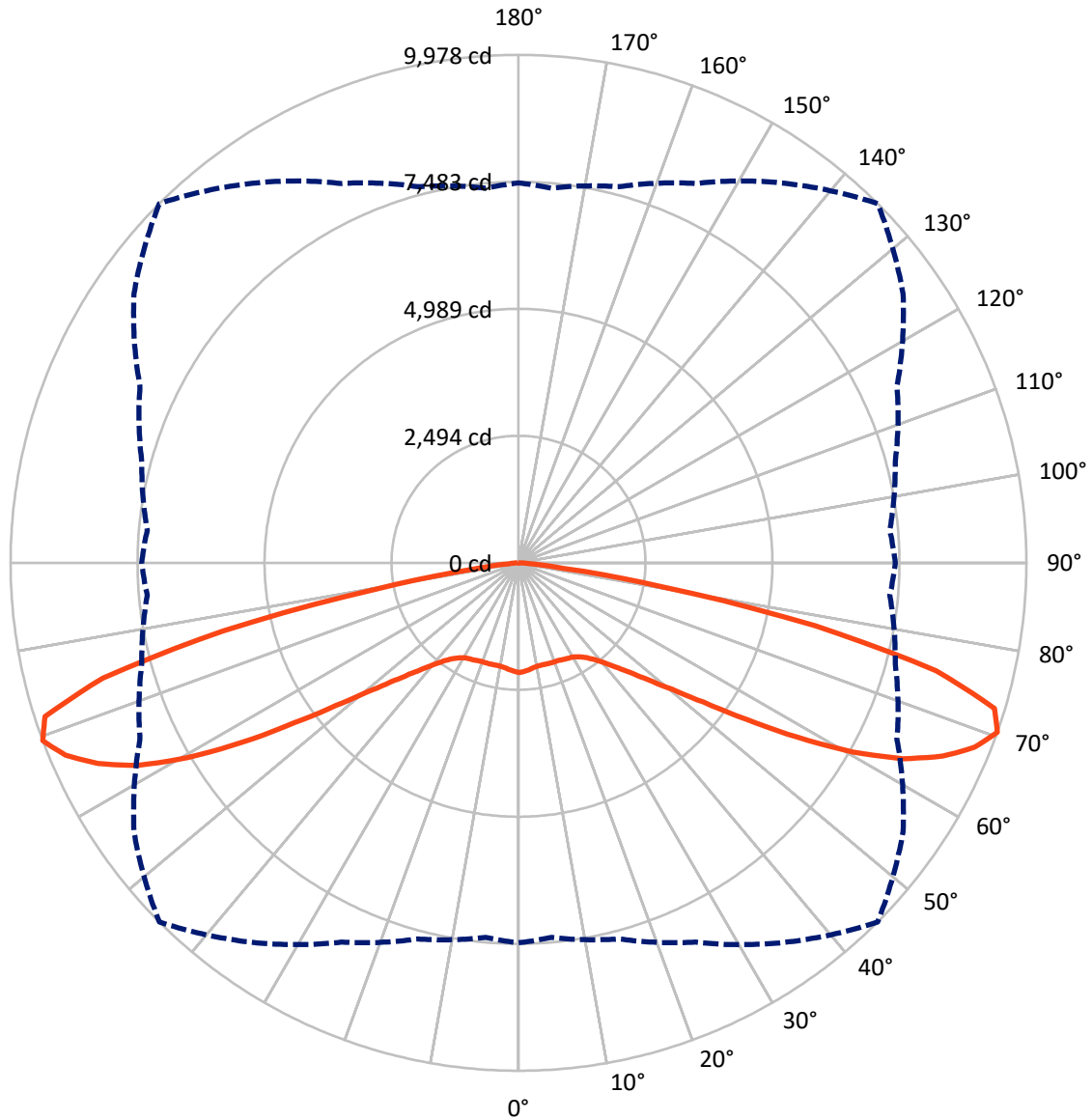
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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	11813.0	0.0	11813.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11813.0	0.0	11813.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23626.0	0.0	23626.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.5	0.8
10°-20°	588.7	2.5
20°-30°	979.6	4.1
30°-40°	1481.5	6.3
40°-50°	2461.9	10.4
50°-60°	4645.5	19.7
60°-70°	7844.0	33.2
70°-80°	5154.3	21.8
80°-90°	270.0	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°	23626.0	100.0
0°-180°	23626.0	100.0

Coefficient of Utilization



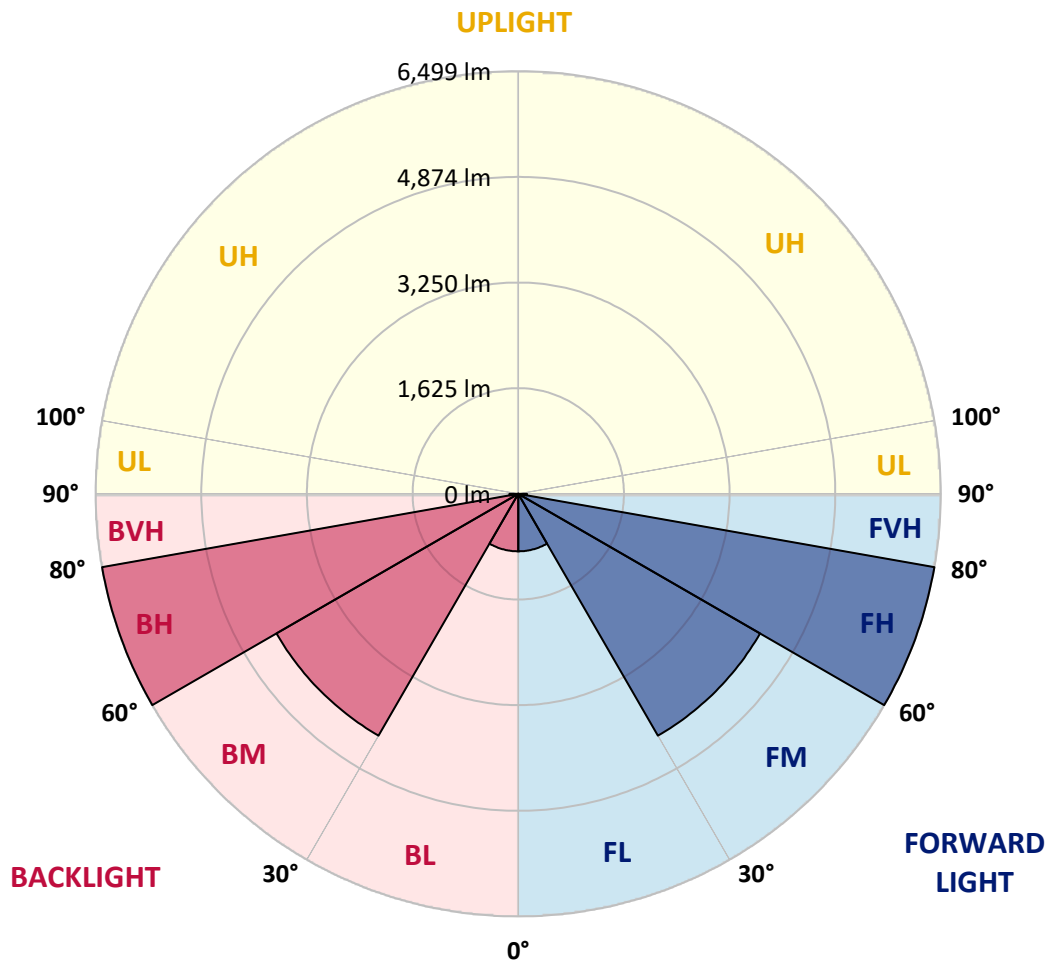
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	884.4	3.7			
FM (30°-60°)	4294.4	18.2			
FH (60°-80°)	6499.2	27.5			G3/7500
FVH (80°-90°)	135.0	0.6			G2/225
BL (0°-30°)	884.4	3.7	B2/1000		
BM (30°-60°)	4294.4	18.2	B3/5000		
BH (60°-80°)	6499.2	27.5	B5		G3/7500
BVH (80°-90°)	135.0	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°	2155.2	2155.2	2155.2	2155.2	2155.2	2155.2	2155.2	2155.2	2155.2	2155.2
2.5°	2141.7	2147.8	2145.3	2140.4	2140.4	2136.7	2140.4	2142.9	2146.6	2149.0
5°	2113.4	2118.3	2117.1	2113.4	2114.6	2111.0	2113.4	2117.1	2119.6	2120.8
7.5°	2088.9	2093.8	2091.3	2085.2	2085.2	2081.5	2082.7	2086.4	2090.1	2091.3
10°	2082.7	2087.6	2080.3	2070.4	2066.7	2061.8	2063.1	2066.7	2074.1	2077.8
12.5°	2085.2	2088.9	2081.5	2066.7	2063.1	2058.2	2058.2	2061.8	2071.7	2076.6
15°	2092.5	2096.2	2085.2	2069.2	2065.5	2061.8	2060.6	2065.5	2076.6	2085.2
17.5°	2106.0	2109.7	2092.5	2070.4	2065.5	2066.7	2065.5	2069.2	2086.4	2102.4
20°	2118.3	2120.8	2097.5	2070.4	2065.5	2066.7	2065.5	2072.9	2095.0	2117.1
22.5°	2122.0	2124.5	2102.4	2079.0	2075.3	2076.6	2075.3	2082.7	2103.6	2125.7
25°	2123.2	2126.9	2109.7	2091.3	2097.5	2099.9	2097.5	2098.7	2114.6	2134.3
27.5°	2141.7	2146.6	2130.6	2114.6	2118.3	2117.1	2120.8	2124.5	2136.7	2156.4
30°	2179.7	2183.4	2169.9	2153.9	2151.5	2142.9	2153.9	2166.2	2179.7	2196.9
32.5°	2242.4	2249.7	2232.5	2215.3	2204.3	2199.4	2208.0	2228.8	2247.3	2265.7
35°	2346.7	2351.6	2335.7	2303.8	2284.1	2284.1	2291.5	2318.5	2348.0	2371.3
37.5°	2494.1	2500.2	2472.0	2433.9	2404.5	2404.5	2414.3	2442.5	2486.7	2519.9
40°	2673.4	2682.0	2646.4	2607.1	2578.8	2573.9	2586.2	2618.1	2659.9	2701.6
42.5°	2889.5	2899.3	2852.7	2818.3	2796.2	2796.2	2802.3	2831.8	2869.9	2921.4
45°	3165.8	3183.0	3119.2	3084.8	3063.9	3068.8	3072.5	3098.3	3132.7	3191.6
47.5°	3494.9	3512.1	3444.6	3409.0	3405.3	3428.6	3413.9	3432.3	3450.7	3518.3
50°	3868.2	3897.7	3851.1	3848.6	3856.0	3898.9	3864.6	3874.4	3853.5	3896.5
52.5°	4325.1	4368.1	4359.5	4374.2	4456.5	4544.9	4466.3	4431.9	4353.3	4366.8
55°	4878.9	4944.0	4956.3	5044.7	5231.3	5411.9	5244.9	5106.1	4939.1	4908.4
57.5°	5508.9	5560.5	5619.4	5799.9	6148.7	6469.2	6148.7	5841.7	5578.9	5516.2
60°	6186.7	6250.6	6307.1	6573.6	7091.8	7542.5	7082.0	6594.4	6246.9	6162.2
62.5°	6915.0	6997.2	7036.5	7332.5	7936.7	8474.5	7945.3	7354.6	6969.0	6878.1
65°	7613.7	7681.2	7725.4	8041.0	8618.2	9157.3	8657.5	8075.4	7678.8	7559.7
67.5°	7939.1	7976.0	8084.0	8441.4	9050.5	9665.7	9153.6	8479.4	8036.1	7827.4
70°	7462.6	7387.7	7648.1	8220.3	9102.0	9977.6	9219.9	8203.1	7660.4	7321.4
72.5°	5766.8	5637.8	6089.7	7068.5	8512.6	9778.7	8571.5	7123.7	6370.9	5683.3
75°	3137.6	2991.4	3615.3	4853.1	6788.5	8475.8	6944.4	4991.9	4025.4	3114.2
77.5°	885.4	830.1	1333.6	2348.0	4083.2	5951.0	4240.3	2399.5	1581.7	938.2
80°	271.4	262.8	356.1	707.3	1734.0	2850.2	1666.4	715.9	453.1	286.1
82.5°	160.9	147.4	176.8	257.9	442.1	895.2	429.8	268.9	216.1	144.9
85°	92.1	86.0	104.4	125.3	148.6	190.3	124.0	127.7	115.4	77.4
87.5°	38.1	34.4	40.5	39.3	34.4	44.2	33.2	39.3	46.7	30.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2155.2
2147.8
2120.8
2091.3
2077.8
2077.8
2086.4
2102.4
2118.3
2125.7
2133.1
2151.5
2193.2
2258.3
2362.7
2507.6
2688.1
2917.8
3189.2
3498.6
3870.7
4321.4
4860.5
5472.0
6088.5
6804.4
7500.7
7829.8
7402.5
5853.9
3316.9
1042.6
302.1
157.2
81.0
28.2
0.0

OF REPORT)