

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: P848671

Luminaire Tested: **GLAN-SB5B-835-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848671
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-835-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23823 lumens
Efficiency: N/A
Efficacy: 130.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

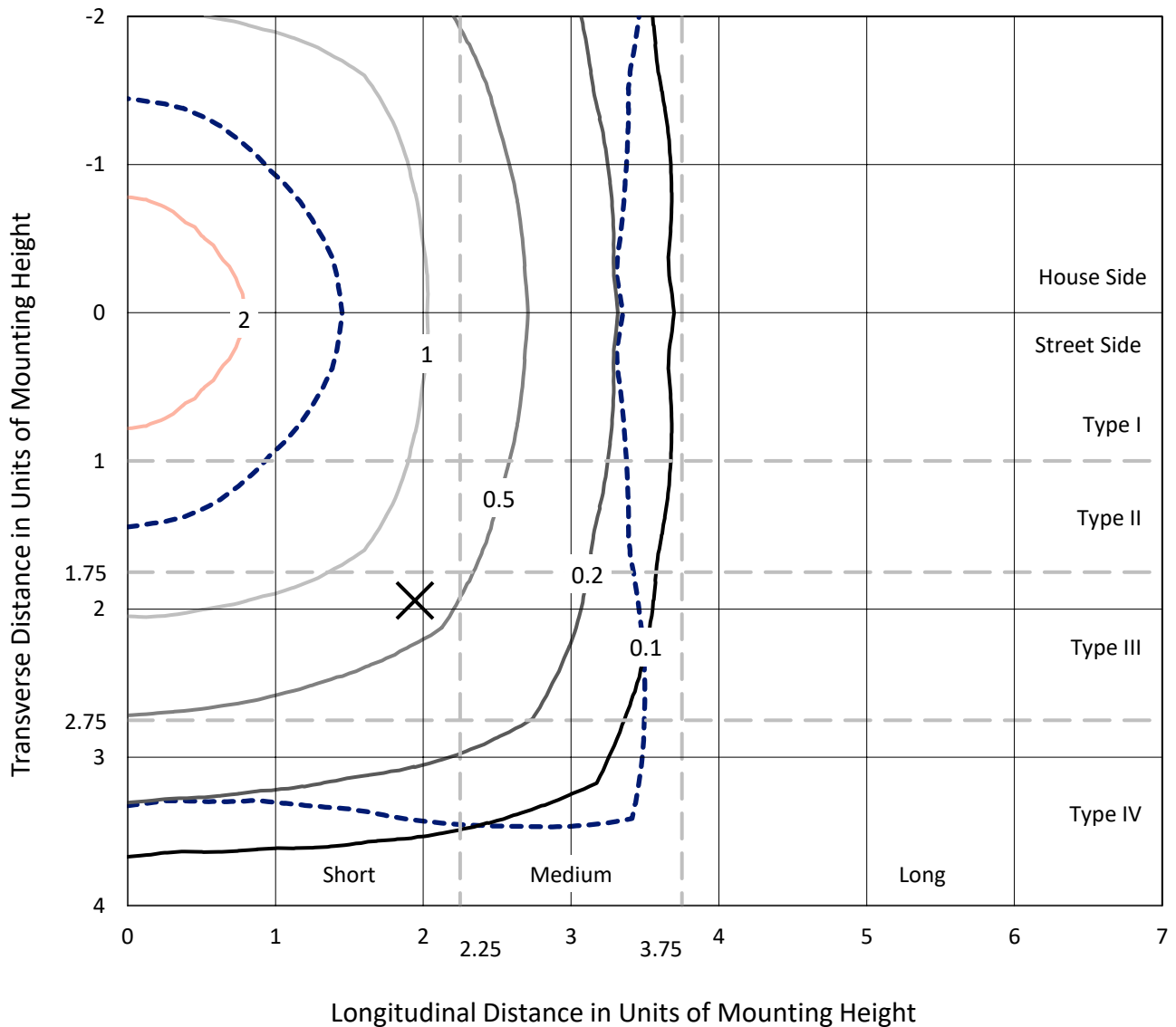
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P848671
 CATALOG NUMBER: GLAN-SB5B-835-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

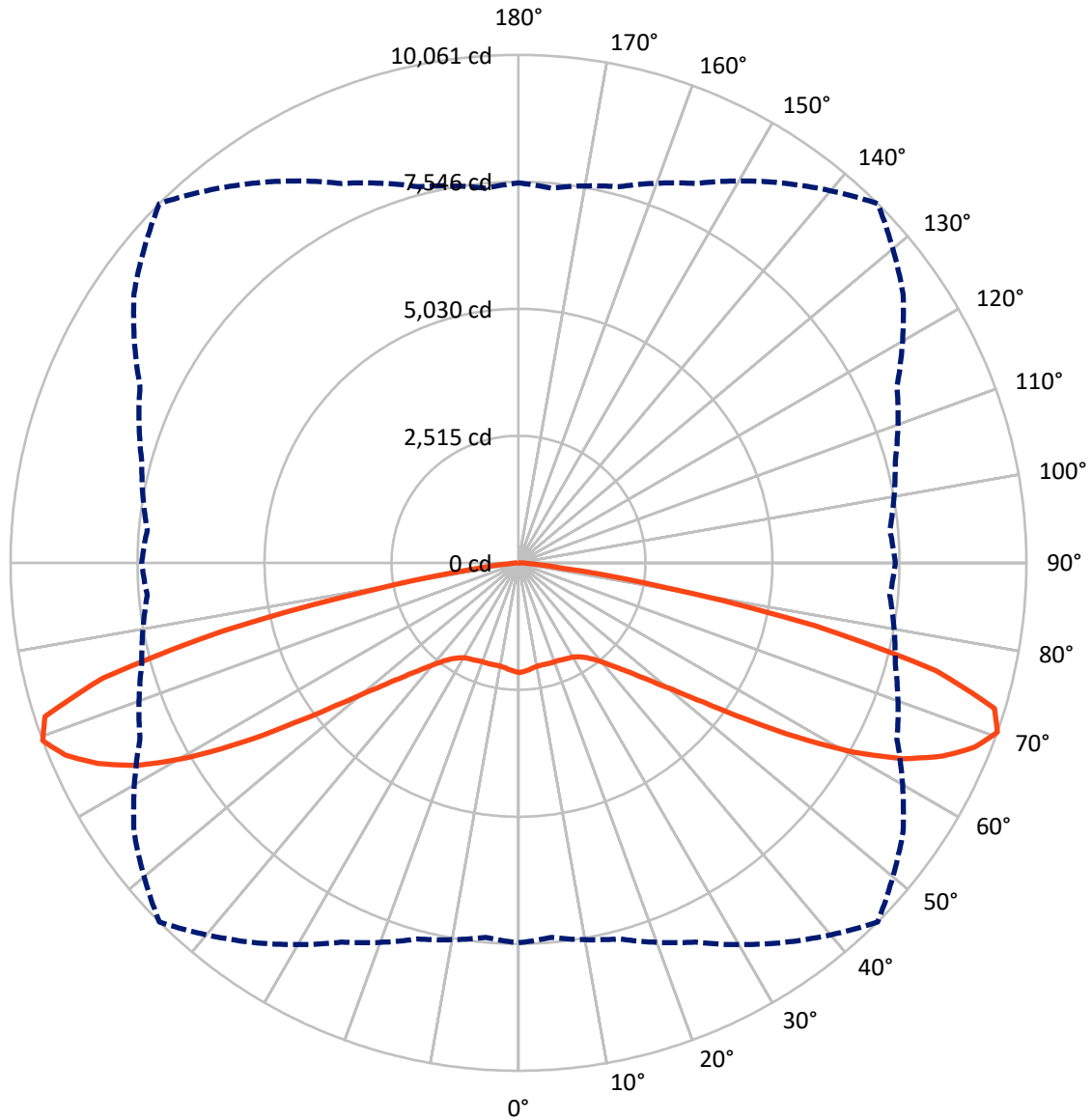
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type V - Short - N/A

REPORT NUMBER: P848671
CATALOG NUMBER: GLAN-SB5B-835-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P848671
 CATALOG NUMBER: GLAN-SB5B-835-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11911.5	0.0	11911.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11911.5	0.0	11911.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	23823.0	0.0	23823.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.2	0.8
10°-20°	593.6	2.5
20°-30°	987.8	4.1
30°-40°	1493.8	6.3
40°-50°	2482.4	10.4
50°-60°	4684.2	19.7
60°-70°	7909.5	33.2
70°-80°	5197.3	21.8
80°-90°	272.3	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°	23823.0	100.0
0°-180°	23823.0	100.0

Coefficient of Utilization



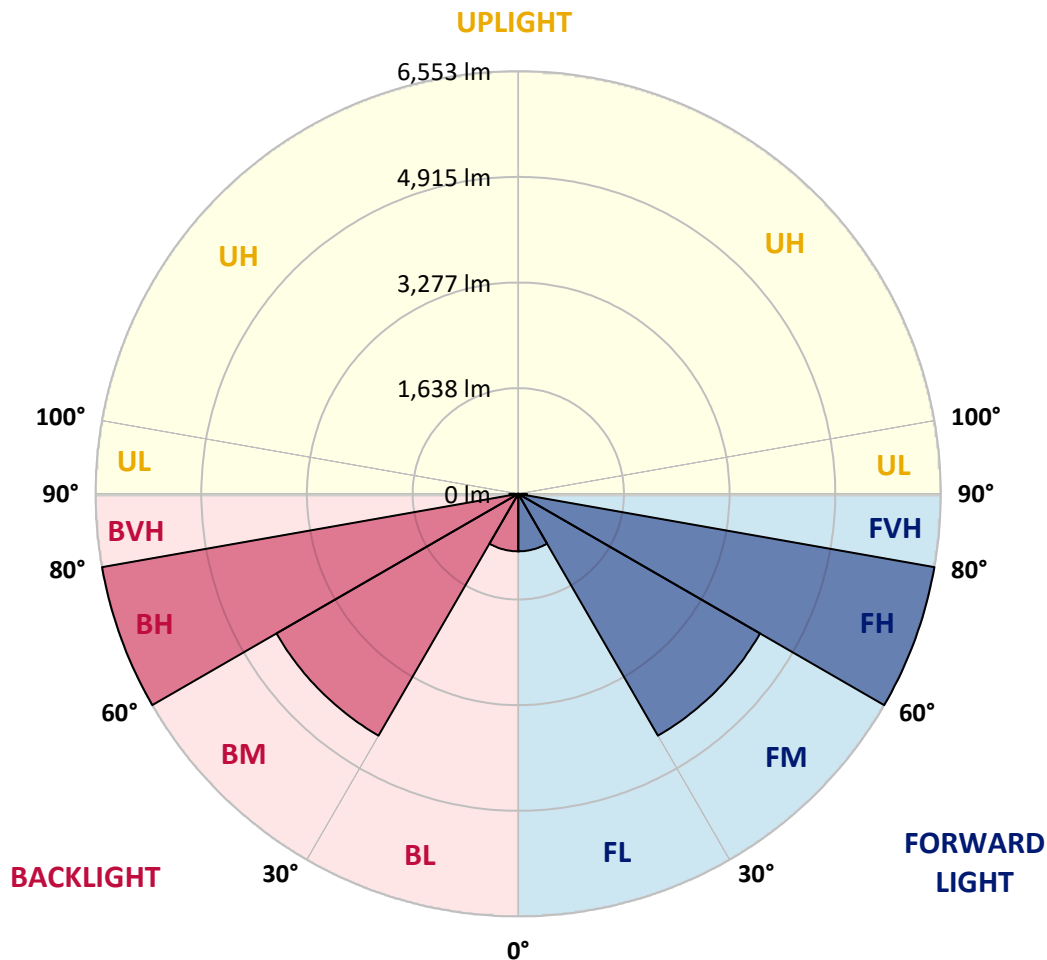
REPORT NUMBER: P848671
 CATALOG NUMBER: GLAN-SB5B-835-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	891.8	3.7			
FM (30°-60°)	4330.2	18.2			
FH (60°-80°)	6553.4	27.5			G3/7500
FVH (80°-90°)	136.1	0.6			G2/225
BL (0°-30°)	891.8	3.7	B2/1000		
BM (30°-60°)	4330.2	18.2	B3/5000		
BH (60°-80°)	6553.4	27.5	B5		G3/7500
BVH (80°-90°)	136.1	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



REPORT NUMBER: P848671
 CATALOG NUMBER: GLAN-SB5B-835-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2173.1	2173.1	2173.1	2173.1	2173.1	2173.1	2173.1	2173.1	2173.1	2173.1
2.5°	2159.5	2165.7	2163.2	2158.3	2158.3	2154.6	2158.3	2160.8	2164.5	2166.9
5°	2131.0	2136.0	2134.8	2131.0	2132.3	2128.6	2131.0	2134.8	2137.2	2138.5
7.5°	2106.3	2111.2	2108.7	2102.6	2102.6	2098.8	2100.1	2103.8	2107.5	2108.7
10°	2100.1	2105.0	2097.6	2087.7	2084.0	2079.0	2080.3	2084.0	2091.4	2095.1
12.5°	2102.6	2106.3	2098.8	2084.0	2080.3	2075.3	2075.3	2079.0	2088.9	2093.9
15°	2110.0	2113.7	2102.6	2086.5	2082.7	2079.0	2077.8	2082.7	2093.9	2102.6
17.5°	2123.6	2127.3	2110.0	2087.7	2082.7	2084.0	2082.7	2086.5	2103.8	2119.9
20°	2136.0	2138.5	2114.9	2087.7	2082.7	2084.0	2082.7	2090.2	2112.5	2134.8
22.5°	2139.7	2142.2	2119.9	2096.4	2092.7	2093.9	2092.7	2100.1	2121.1	2143.4
25°	2140.9	2144.7	2127.3	2108.7	2114.9	2117.4	2114.9	2116.2	2132.3	2152.1
27.5°	2159.5	2164.5	2148.4	2132.3	2136.0	2134.8	2138.5	2142.2	2154.6	2174.4
30°	2197.9	2201.6	2188.0	2171.9	2169.4	2160.8	2171.9	2184.3	2197.9	2215.2
32.5°	2261.1	2268.5	2251.1	2233.8	2222.7	2217.7	2226.4	2247.4	2266.0	2284.6
35°	2366.3	2371.3	2355.2	2323.0	2303.2	2303.2	2310.6	2337.8	2367.5	2391.1
37.5°	2514.9	2521.1	2492.6	2454.2	2424.5	2424.5	2434.4	2462.9	2507.5	2540.9
40°	2695.7	2704.3	2668.4	2628.8	2600.3	2595.4	2607.8	2640.0	2682.1	2724.2
42.5°	2913.6	2923.5	2876.5	2841.8	2819.5	2819.5	2825.7	2855.4	2893.8	2945.8
45°	3192.2	3209.6	3145.2	3110.5	3089.4	3094.4	3098.1	3124.1	3158.8	3218.2
47.5°	3524.1	3541.4	3473.3	3437.4	3433.7	3457.2	3442.3	3460.9	3479.5	3547.6
50°	3900.5	3930.2	3883.2	3880.7	3888.1	3931.5	3896.8	3906.7	3885.6	3929.0
52.5°	4361.1	4404.5	4395.8	4410.7	4493.6	4582.8	4503.5	4468.9	4389.6	4403.2
55°	4919.6	4985.2	4997.6	5086.8	5275.0	5457.0	5288.6	5148.7	4980.3	4949.3
57.5°	5554.8	5606.8	5666.3	5848.3	6199.9	6523.1	6199.9	5890.4	5625.4	5562.2
60°	6238.3	6302.7	6359.7	6628.4	7150.9	7605.4	7141.0	6649.4	6299.0	6213.6
62.5°	6972.6	7055.6	7095.2	7393.6	8002.8	8545.2	8011.5	7415.9	7027.1	6935.5
65°	7677.2	7745.3	7789.9	8108.1	8690.1	9233.7	8729.7	8142.8	7742.8	7622.7
67.5°	8005.3	8042.5	8151.4	8511.8	9125.9	9746.3	9230.0	8550.1	8103.1	7892.6
70°	7524.9	7449.3	7711.9	8288.9	9177.9	10060.8	9296.8	8271.5	7724.2	7382.5
72.5°	5814.8	5684.8	6140.5	7127.4	8583.6	9860.2	8643.0	7183.1	6424.1	5730.6
75°	3163.7	3016.4	3645.4	4893.6	6845.1	8546.4	7002.3	5033.5	4059.0	3140.2
77.5°	892.8	837.1	1344.7	2367.5	4117.2	6000.6	4275.7	2419.5	1594.9	946.0
80°	273.7	265.0	359.1	713.2	1748.4	2874.0	1680.3	721.9	456.9	288.5
82.5°	162.2	148.6	178.3	260.0	445.8	902.7	433.4	271.2	217.9	146.1
85°	92.9	86.7	105.3	126.3	149.8	191.9	125.1	128.8	116.4	78.0
87.5°	38.4	34.7	40.9	39.6	34.7	44.6	33.4	39.6	47.1	31.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2173.1
2165.7
2138.5
2108.7
2095.1
2095.1
2103.8
2119.9
2136.0
2143.4
2150.8
2169.4
2211.5
2277.2
2382.4
2528.5
2710.5
2942.1
3215.7
3527.8
3903.0
4357.4
4901.0
5517.7
6139.3
6861.2
7563.3
7895.1
7464.2
5902.8
3344.5
1051.3
304.6
158.5
81.7
28.5
0.0

OF REPORT)