

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: P941000

Luminaire Tested: **GLAN-SB4B-830-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941000
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4B-830-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 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: 20512 lumens
Efficiency: N/A
Efficacy: 139.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

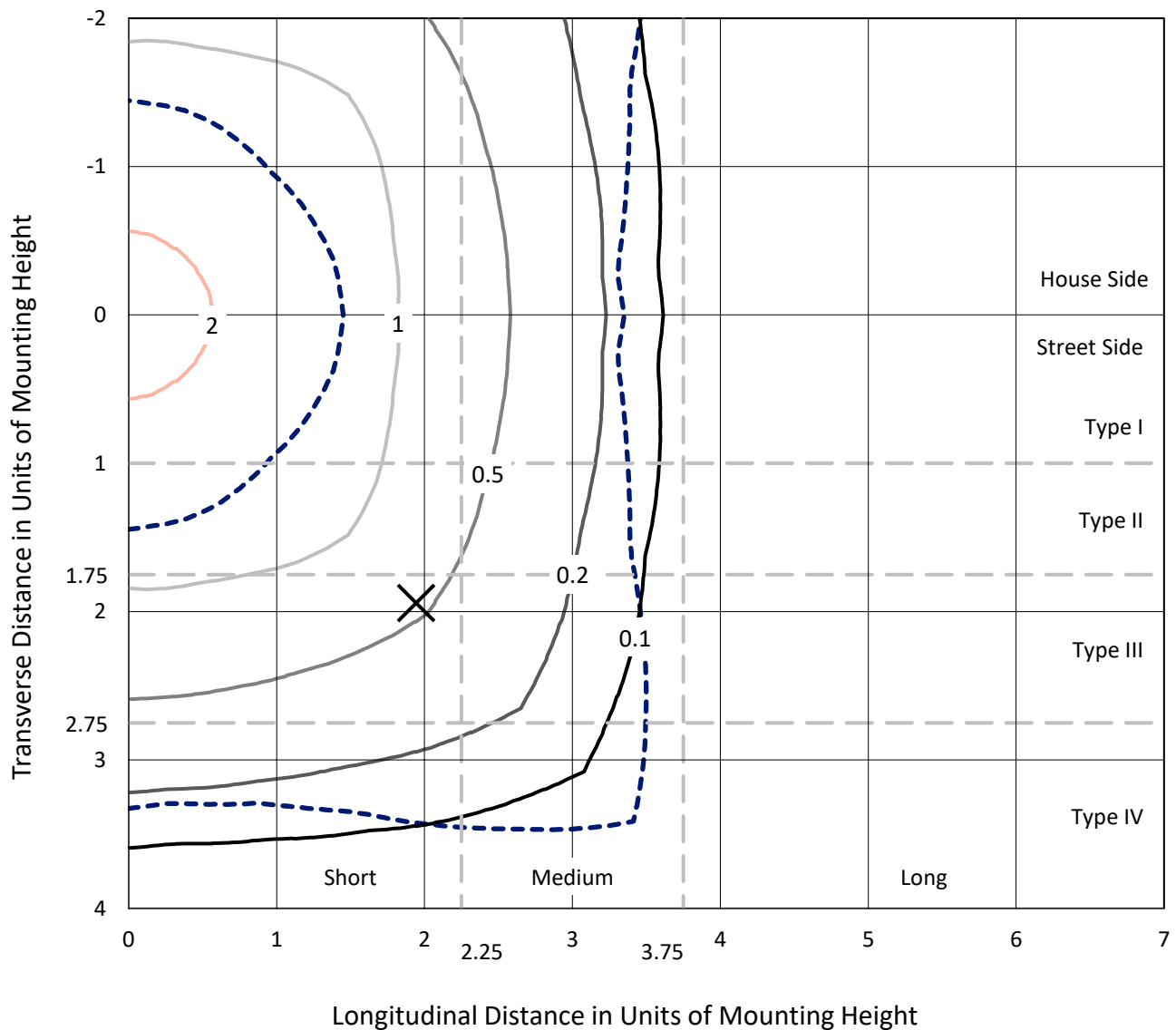
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

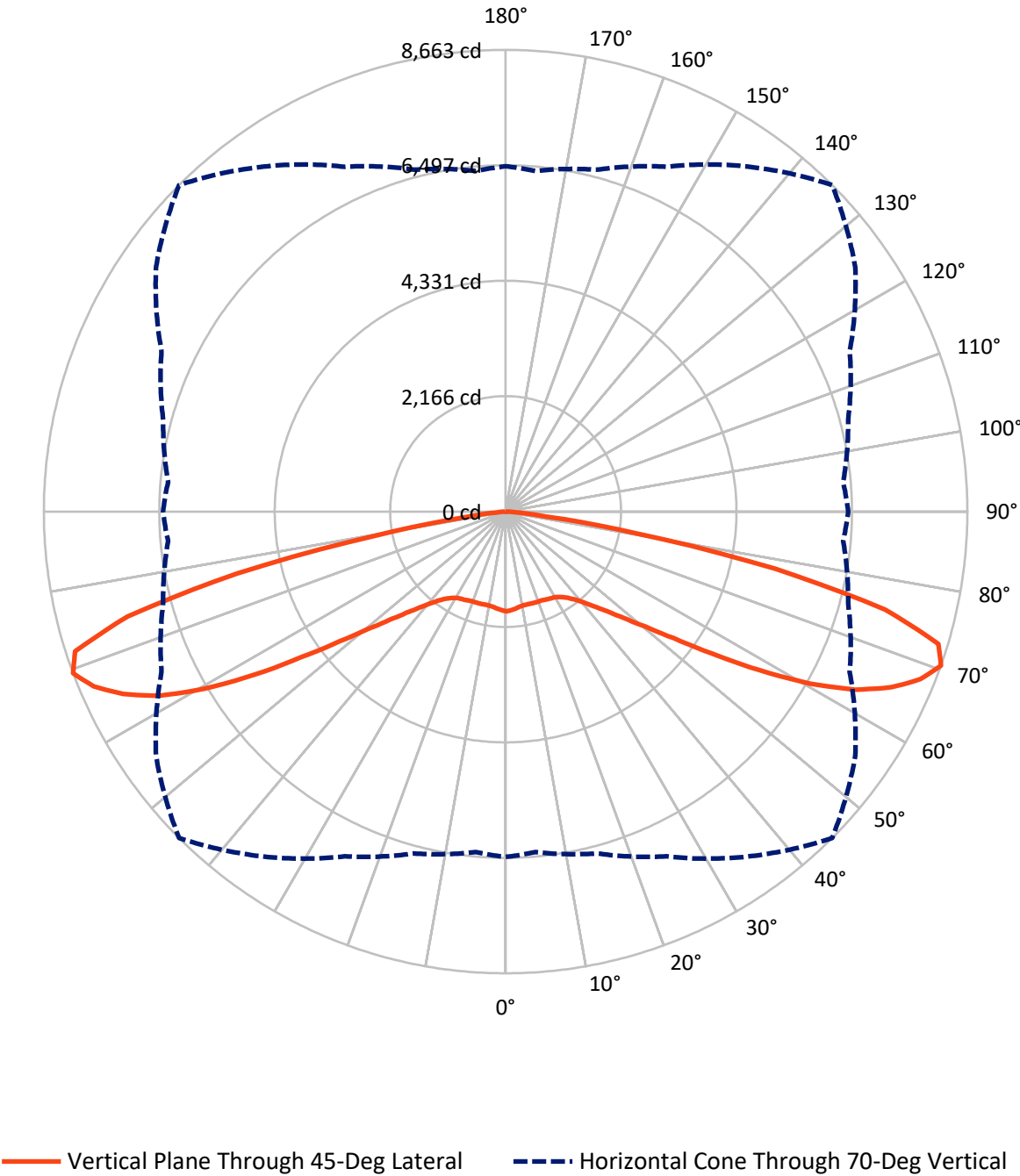
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10256.0	0.0	10256.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10256.0	0.0	10256.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	20512.0	0.0	20512.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.1	0.8
10°-20°	511.1	2.5
20°-30°	850.5	4.1
30°-40°	1286.2	6.3
40°-50°	2137.4	10.4
50°-60°	4033.2	19.7
60°-70°	6810.2	33.2
70°-80°	4475.0	21.8
80°-90°	234.4	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°	20512.0	100.0
0°-180°	20512.0	100.0

Coefficient of Utilization



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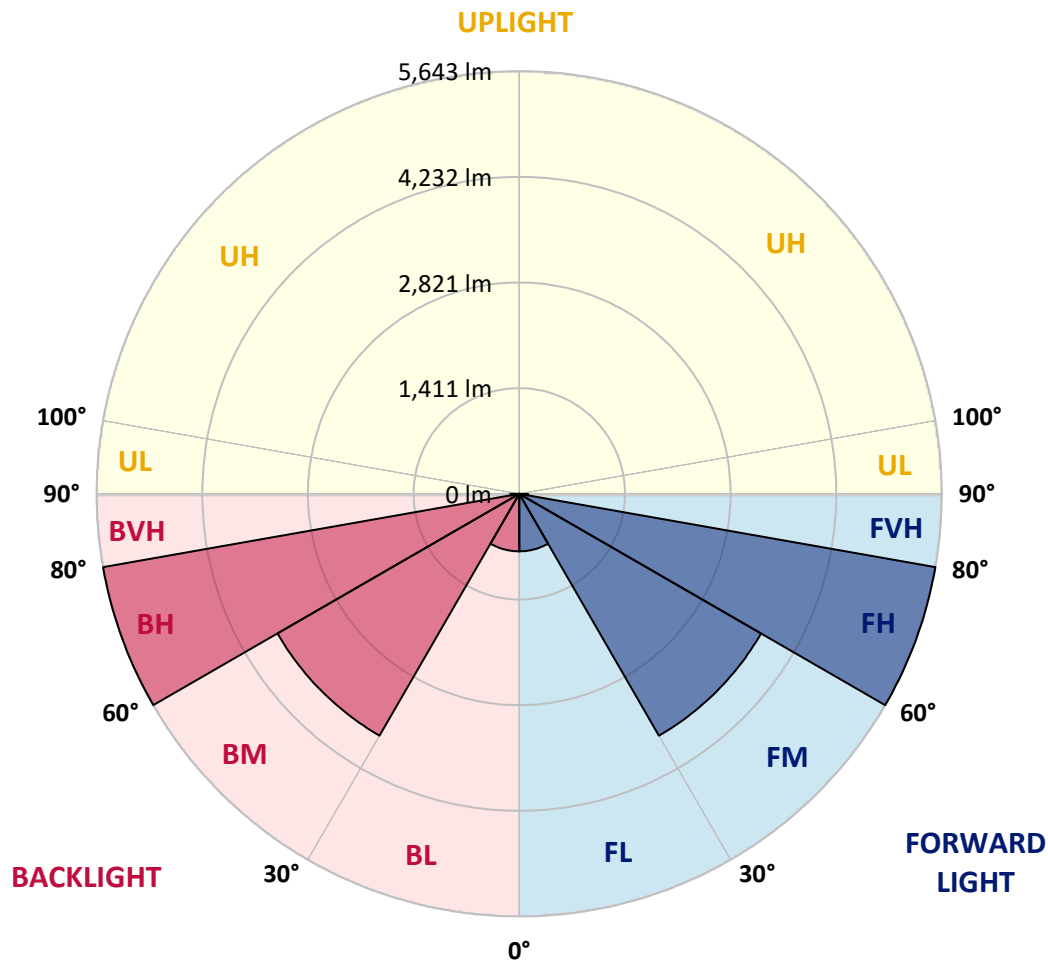
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	767.8	3.7			
FM	(30°-60°)	3728.4	18.2			
FH	(60°-80°)	5642.6	27.5			G3/7500
FVH	(80°-90°)	117.2	0.6			G2/225
BL	(0°-30°)	767.8	3.7	B2/1000		
BM	(30°-60°)	3728.4	18.2	B3/5000		
BH	(60°-80°)	5642.6	27.5	B5		G3/7500
BVH	(80°-90°)	117.2	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°	1871.1	1871.1	1871.1	1871.1	1871.1	1871.1	1871.1	1871.1	1871.1	1871.1
2.5°	1859.4	1864.7	1862.6	1858.3	1858.3	1855.1	1858.3	1860.4	1863.6	1865.8
5°	1834.9	1839.1	1838.1	1834.9	1835.9	1832.7	1834.9	1838.1	1840.2	1841.3
7.5°	1813.5	1817.8	1815.7	1810.3	1810.3	1807.1	1808.2	1811.4	1814.6	1815.7
10°	1808.2	1812.5	1806.1	1797.5	1794.3	1790.1	1791.1	1794.3	1800.7	1803.9
12.5°	1810.3	1813.5	1807.1	1794.3	1791.1	1786.9	1786.9	1790.1	1798.6	1802.9
15°	1816.7	1819.9	1810.3	1796.5	1793.3	1790.1	1789.0	1793.3	1802.9	1810.3
17.5°	1828.5	1831.7	1816.7	1797.5	1793.3	1794.3	1793.3	1796.5	1811.4	1825.3
20°	1839.1	1841.3	1821.0	1797.5	1793.3	1794.3	1793.3	1799.7	1818.9	1838.1
22.5°	1842.3	1844.5	1825.3	1805.0	1801.8	1802.9	1801.8	1808.2	1826.3	1845.5
25°	1843.4	1846.6	1831.7	1815.7	1821.0	1823.1	1821.0	1822.1	1835.9	1853.0
27.5°	1859.4	1863.6	1849.8	1835.9	1839.1	1838.1	1841.3	1844.5	1855.1	1872.2
30°	1892.4	1895.6	1883.9	1870.0	1867.9	1860.4	1870.0	1880.7	1892.4	1907.4
32.5°	1946.8	1953.2	1938.3	1923.3	1913.8	1909.5	1917.0	1935.1	1951.1	1967.1
35°	2037.4	2041.7	2027.8	2000.1	1983.1	1983.1	1989.5	2012.9	2038.5	2058.8
37.5°	2165.4	2170.7	2146.2	2113.1	2087.5	2087.5	2096.1	2120.6	2159.0	2187.8
40°	2321.0	2328.5	2297.6	2263.5	2238.9	2234.7	2245.3	2273.0	2309.3	2345.5
42.5°	2508.7	2517.2	2476.7	2446.8	2427.6	2427.6	2433.0	2458.6	2491.6	2536.4
45°	2748.6	2763.5	2708.0	2678.2	2660.1	2664.3	2667.5	2689.9	2719.8	2770.9
47.5°	3034.3	3049.2	2990.6	2959.7	2956.5	2976.7	2963.9	2979.9	2995.9	3054.5
50°	3358.4	3384.0	3343.5	3341.3	3347.7	3385.1	3355.2	3363.7	3345.6	3382.9
52.5°	3755.0	3792.3	3784.9	3797.7	3869.1	3945.9	3877.6	3847.8	3779.5	3791.3
55°	4235.8	4292.4	4303.0	4379.8	4541.8	4698.6	4553.6	4433.1	4288.1	4261.4
57.5°	4782.8	4827.6	4878.7	5035.5	5338.3	5616.5	5338.3	5071.7	4843.6	4789.2
60°	5371.3	5426.7	5475.8	5707.1	6157.1	6548.3	6148.5	5725.3	5423.5	5350.0
62.5°	6003.5	6075.0	6109.1	6366.0	6890.6	7357.6	6898.0	6385.2	6050.4	5971.6
65°	6610.2	6668.8	6707.2	6981.2	7482.3	7950.3	7516.4	7011.1	6666.7	6563.3
67.5°	6892.7	6924.7	7018.5	7328.8	7857.6	8391.7	7947.1	7361.8	6976.9	6795.7
70°	6479.0	6414.0	6640.0	7136.9	7902.4	8662.5	8004.7	7121.9	6650.7	6356.4
72.5°	5006.7	4894.7	5287.1	6136.8	7390.6	8489.8	7441.8	6184.8	5531.2	4934.2
75°	2724.0	2597.2	3138.8	4213.5	5893.7	7358.6	6029.1	4333.9	3494.9	2703.8
77.5°	768.7	720.7	1157.8	2038.5	3545.0	5166.6	3681.4	2083.3	1373.2	814.5
80°	235.6	228.2	309.2	614.1	1505.4	2474.6	1446.8	621.6	393.4	248.4
82.5°	139.7	127.9	153.5	223.9	383.8	777.2	373.2	233.5	187.6	125.8
85°	80.0	74.6	90.6	108.7	129.0	165.3	107.7	110.9	100.2	67.2
87.5°	33.1	29.9	35.2	34.1	29.9	38.4	28.8	34.1	40.5	26.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1871.1
1864.7
1841.3
1815.7
1803.9
1803.9
1811.4
1825.3
1839.1
1845.5
1851.9
1867.9
1904.2
1960.7
2051.3
2177.1
2333.8
2533.2
2768.8
3037.5
3360.5
3751.8
4219.9
4750.8
5286.0
5907.6
6512.1
6797.8
6426.8
5082.4
2879.7
905.2
262.3
136.5
70.4
24.5
0.0