

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: P848421

Luminaire Tested: **GLAN-SB5A-727-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848421
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-SB5A-727-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20383 lumens
Efficiency: N/A
Efficacy: 143.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

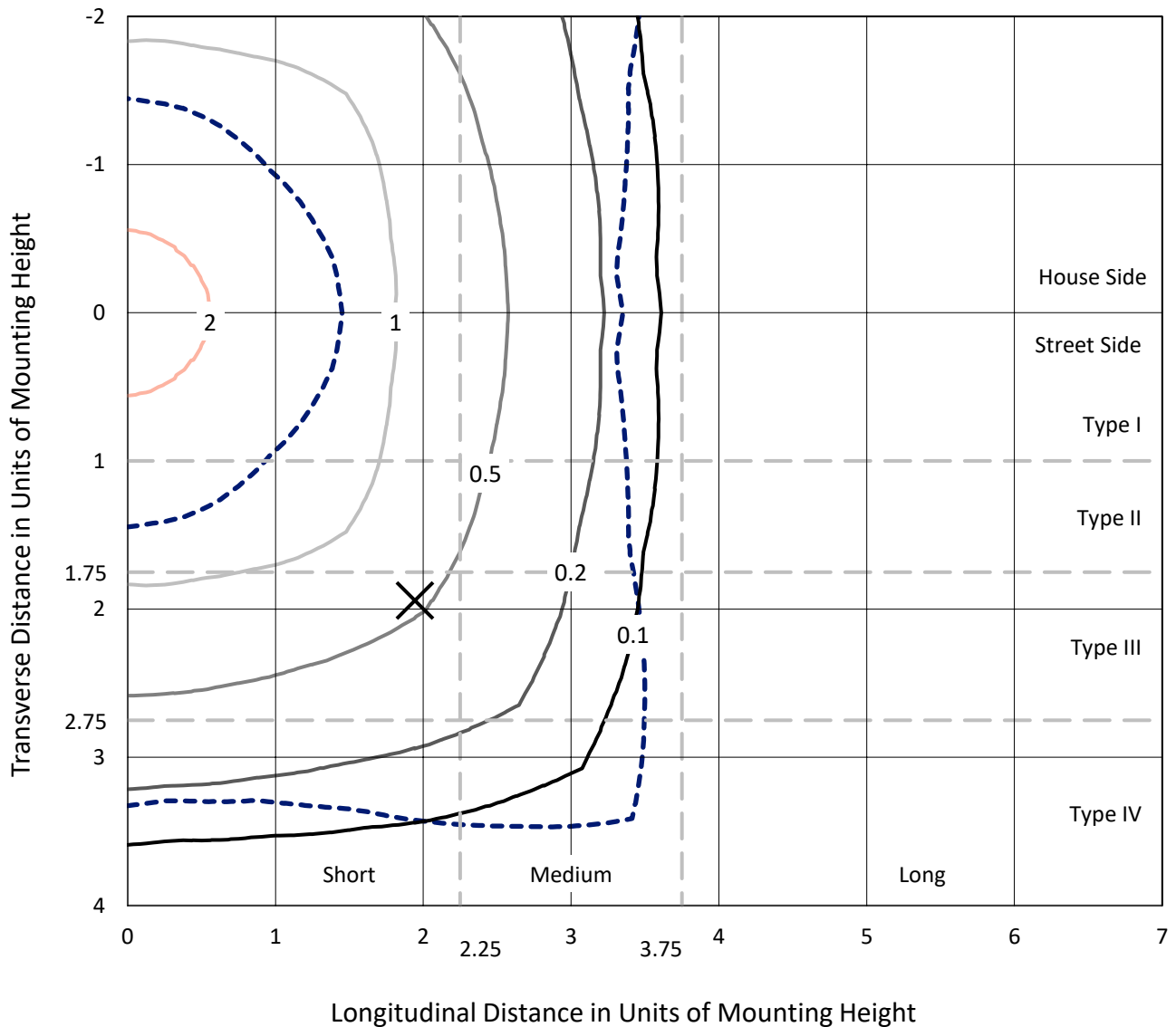
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

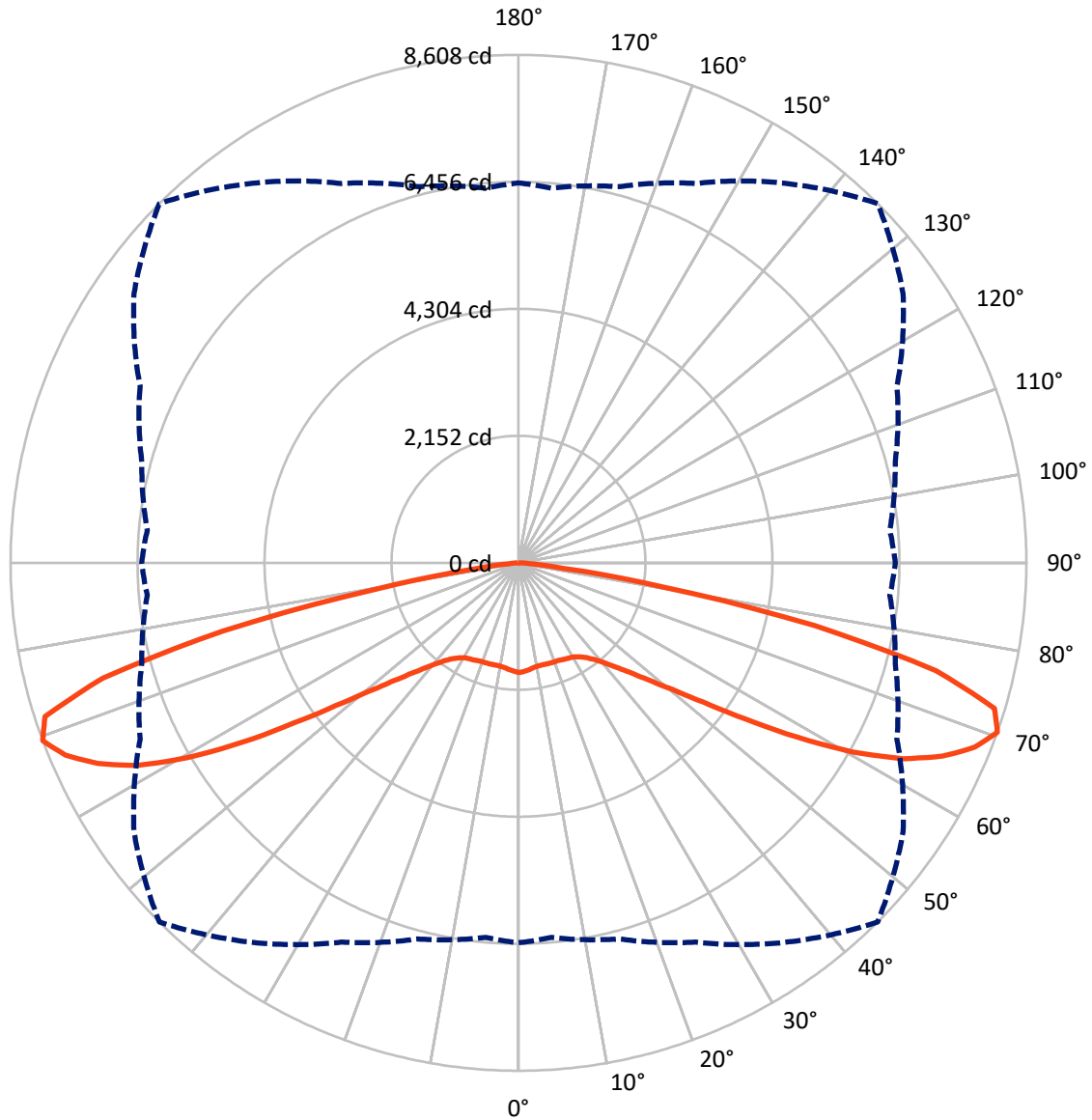
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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	10191.5	0.0	10191.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10191.5	0.0	10191.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	20383.0	0.0	20383.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.0	0.8
10°-20°	507.9	2.5
20°-30°	845.2	4.1
30°-40°	1278.1	6.3
40°-50°	2123.9	10.4
50°-60°	4007.8	19.7
60°-70°	6767.4	33.2
70°-80°	4446.8	21.8
80°-90°	233.0	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°	20383.0	100.0
0°-180°	20383.0	100.0

Coefficient of Utilization



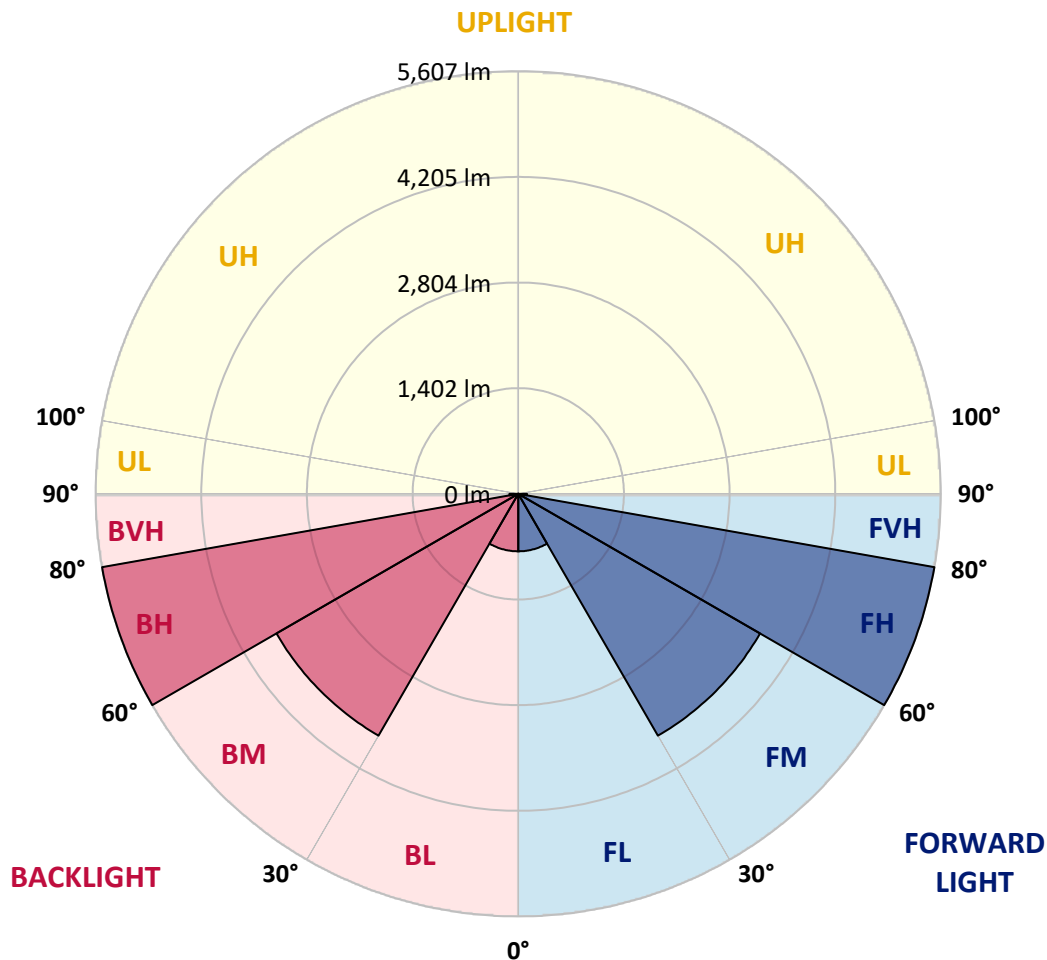
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	763.0	3.7			
FM (30°-60°)	3704.9	18.2			
FH (60°-80°)	5607.1	27.5			G3/7500
FVH (80°-90°)	116.5	0.6			G2/225
BL (0°-30°)	763.0	3.7	B2/1000		
BM (30°-60°)	3704.9	18.2	B3/5000		
BH (60°-80°)	5607.1	27.5	B5		G3/7500
BVH (80°-90°)	116.5	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°	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3
2.5°	1847.7	1853.0	1850.9	1846.6	1846.6	1843.4	1846.6	1848.7	1851.9	1854.0
5°	1823.3	1827.6	1826.5	1823.3	1824.4	1821.2	1823.3	1826.5	1828.6	1829.7
7.5°	1802.1	1806.4	1804.2	1799.0	1799.0	1795.8	1796.8	1800.0	1803.2	1804.2
10°	1796.8	1801.1	1794.7	1786.2	1783.1	1778.8	1779.9	1783.1	1789.4	1792.6
12.5°	1799.0	1802.1	1795.8	1783.1	1779.9	1775.6	1775.6	1778.8	1787.3	1791.5
15°	1805.3	1808.5	1799.0	1785.2	1782.0	1778.8	1777.8	1782.0	1791.5	1799.0
17.5°	1817.0	1820.1	1805.3	1786.2	1782.0	1783.1	1782.0	1785.2	1800.0	1813.8
20°	1827.6	1829.7	1809.5	1786.2	1782.0	1783.1	1782.0	1788.4	1807.4	1826.5
22.5°	1830.7	1832.9	1813.8	1793.7	1790.5	1791.5	1790.5	1796.8	1814.8	1833.9
25°	1831.8	1835.0	1820.1	1804.2	1809.5	1811.7	1809.5	1810.6	1824.4	1841.3
27.5°	1847.7	1851.9	1838.2	1824.4	1827.6	1826.5	1829.7	1832.9	1843.4	1860.4
30°	1880.5	1883.7	1872.1	1858.3	1856.2	1848.7	1858.3	1868.9	1880.5	1895.4
32.5°	1934.6	1940.9	1926.1	1911.3	1901.7	1897.5	1904.9	1922.9	1938.8	1954.7
35°	2024.6	2028.9	2015.1	1987.5	1970.6	1970.6	1976.9	2000.2	2025.7	2045.8
37.5°	2151.7	2157.0	2132.7	2099.8	2074.4	2074.4	2082.9	2107.3	2145.4	2174.0
40°	2306.4	2313.8	2283.1	2249.2	2224.9	2220.6	2231.2	2258.8	2294.8	2330.8
42.5°	2492.9	2501.4	2461.1	2431.4	2412.4	2412.4	2417.7	2443.1	2475.9	2520.4
45°	2731.3	2746.1	2691.0	2661.3	2643.3	2647.6	2650.8	2673.0	2702.7	2753.5
47.5°	3015.2	3030.0	2971.8	2941.0	2937.9	2958.0	2945.3	2961.2	2977.1	3035.3
50°	3337.3	3362.7	3322.4	3320.3	3326.7	3363.8	3334.1	3342.6	3324.6	3361.6
52.5°	3731.4	3768.5	3761.1	3773.8	3844.8	3921.0	3853.2	3823.6	3755.8	3767.4
55°	4209.2	4265.4	4276.0	4352.2	4513.3	4669.0	4524.9	4405.2	4261.1	4234.6
57.5°	4752.7	4797.2	4848.1	5003.8	5304.7	5581.2	5304.7	5039.8	4813.1	4759.1
60°	5337.5	5392.6	5441.4	5671.3	6118.3	6507.2	6109.9	5689.3	5389.4	5316.3
62.5°	5965.8	6036.8	6070.7	6326.0	6847.2	7311.3	6854.7	6345.1	6012.4	5934.0
65°	6568.6	6626.9	6665.0	6937.3	7435.2	7900.3	7469.1	6967.0	6624.8	6522.0
67.5°	6849.4	6881.1	6974.4	7282.7	7808.2	8339.0	7897.2	7315.5	6933.1	6753.0
70°	6438.3	6373.7	6598.3	7092.0	7852.7	8608.1	7954.4	7077.1	6608.9	6316.5
72.5°	4975.2	4863.9	5253.8	6098.2	7344.1	8436.4	7395.0	6145.9	5496.4	4903.1
75°	2706.9	2580.8	3119.0	4187.0	5856.7	7312.3	5991.2	4306.7	3472.9	2686.8
77.5°	763.9	716.2	1150.6	2025.7	3522.7	5134.1	3658.3	2070.2	1364.6	809.4
80°	234.1	226.7	307.2	610.2	1495.9	2459.0	1437.7	617.7	390.9	246.9
82.5°	138.8	127.1	152.6	222.5	381.4	772.3	370.8	232.0	186.5	125.0
85°	79.5	74.2	90.1	108.1	128.2	164.2	107.0	110.2	99.6	66.7
87.5°	32.8	29.7	35.0	33.9	29.7	38.1	28.6	33.9	40.3	26.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1859.3
1853.0
1829.7
1804.2
1792.6
1792.6
1800.0
1813.8
1827.6
1833.9
1840.3
1856.2
1892.2
1948.3
2038.4
2163.4
2319.1
2517.3
2751.4
3018.4
3339.4
3728.2
4193.3
4720.9
5252.8
5870.4
6471.1
6755.1
6386.4
5050.4
2861.6
899.5
260.6
135.6
69.9
24.4
0.0

OF REPORT)