

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: P846441

Luminaire Tested: **GLAN-SB2A-827-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846441
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-SB2A-827-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 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: 7235 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

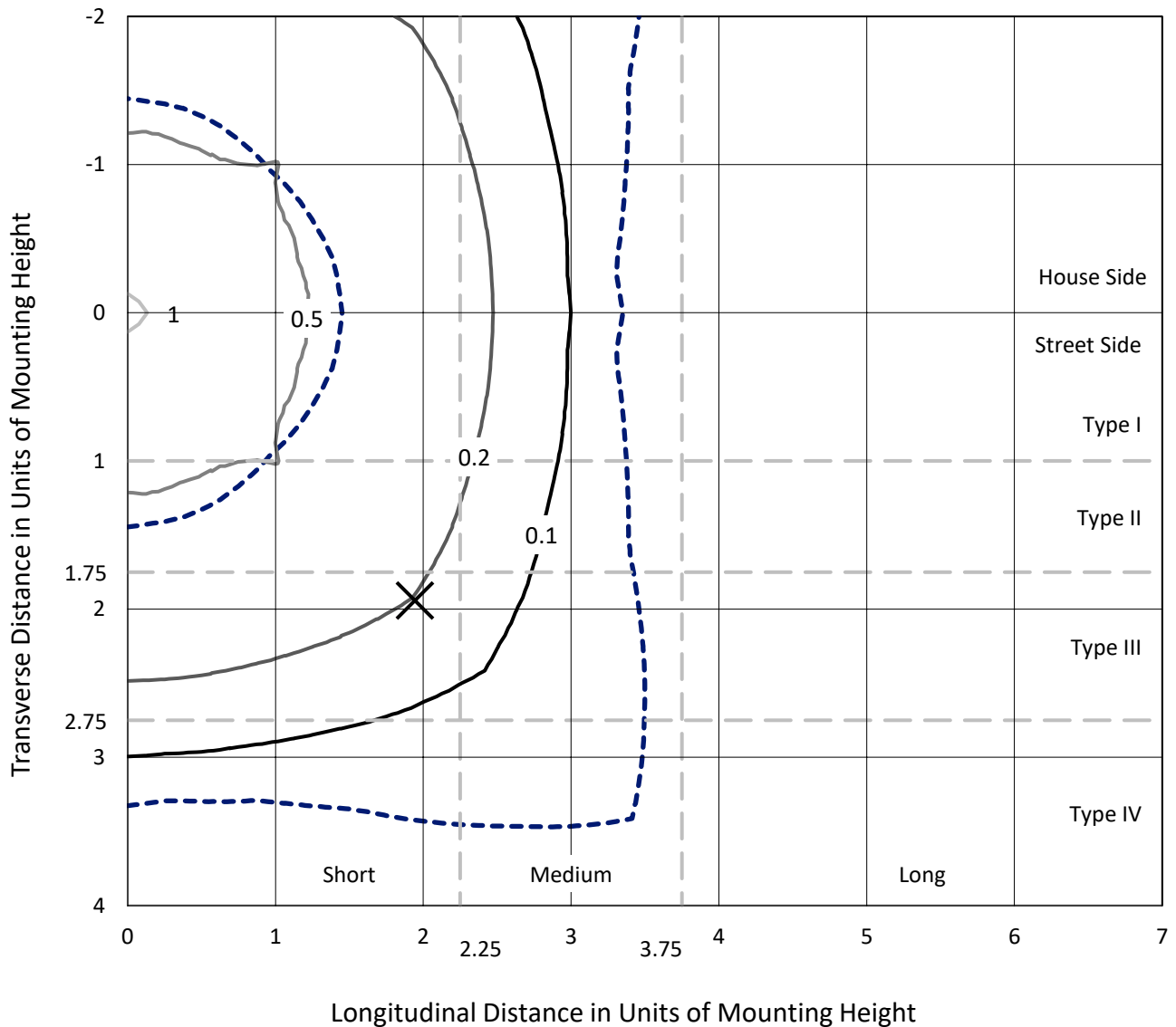
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

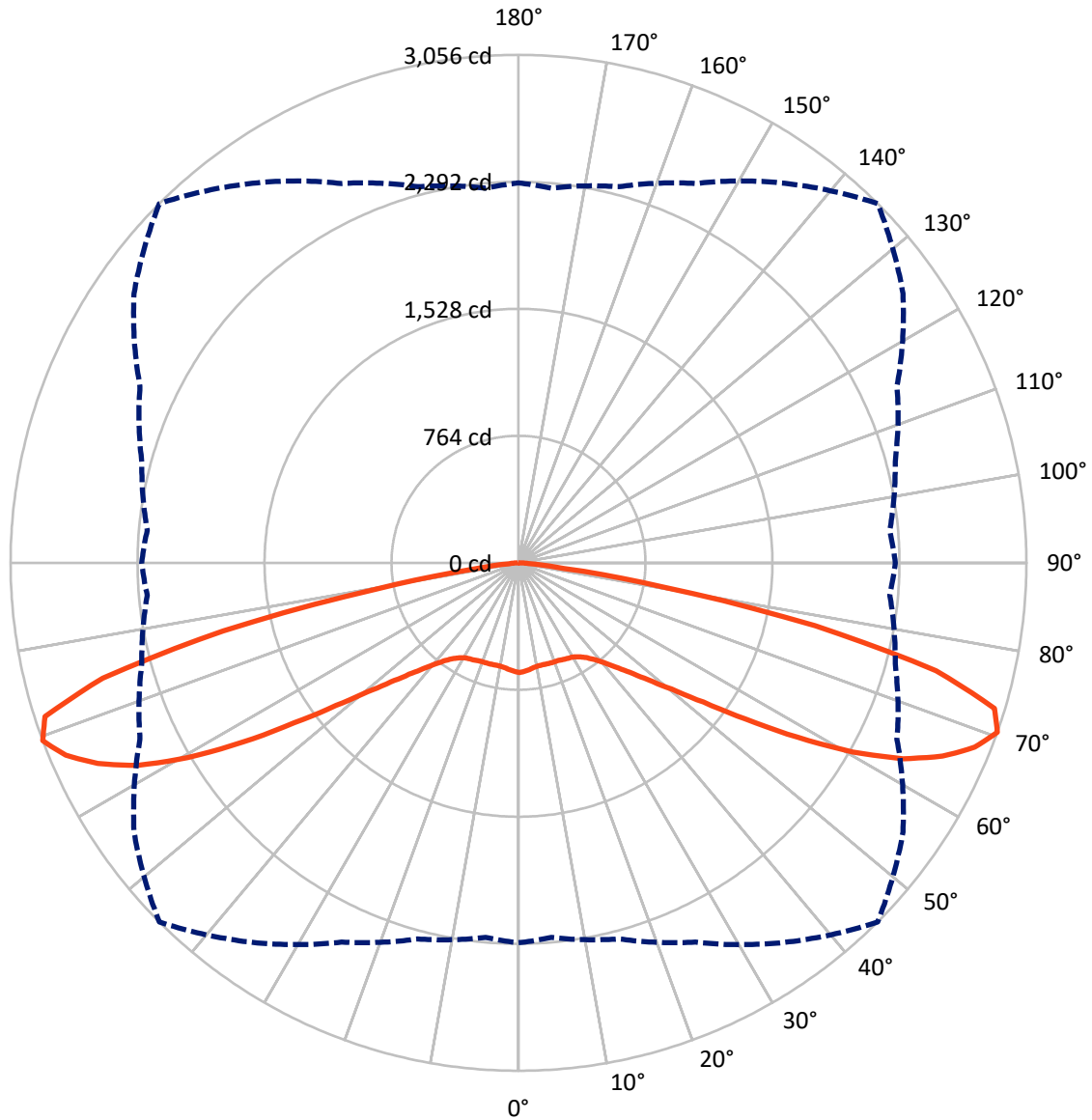
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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	3617.5	0.0	3617.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3617.5	0.0	3617.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7235.0	0.0	7235.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.4	0.8
10°-20°	180.3	2.5
20°-30°	300.0	4.1
30°-40°	453.7	6.3
40°-50°	753.9	10.4
50°-60°	1422.6	19.7
60°-70°	2402.1	33.2
70°-80°	1578.4	21.8
80°-90°	82.7	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°	7235.0	100.0
0°-180°	7235.0	100.0

Coefficient of Utilization



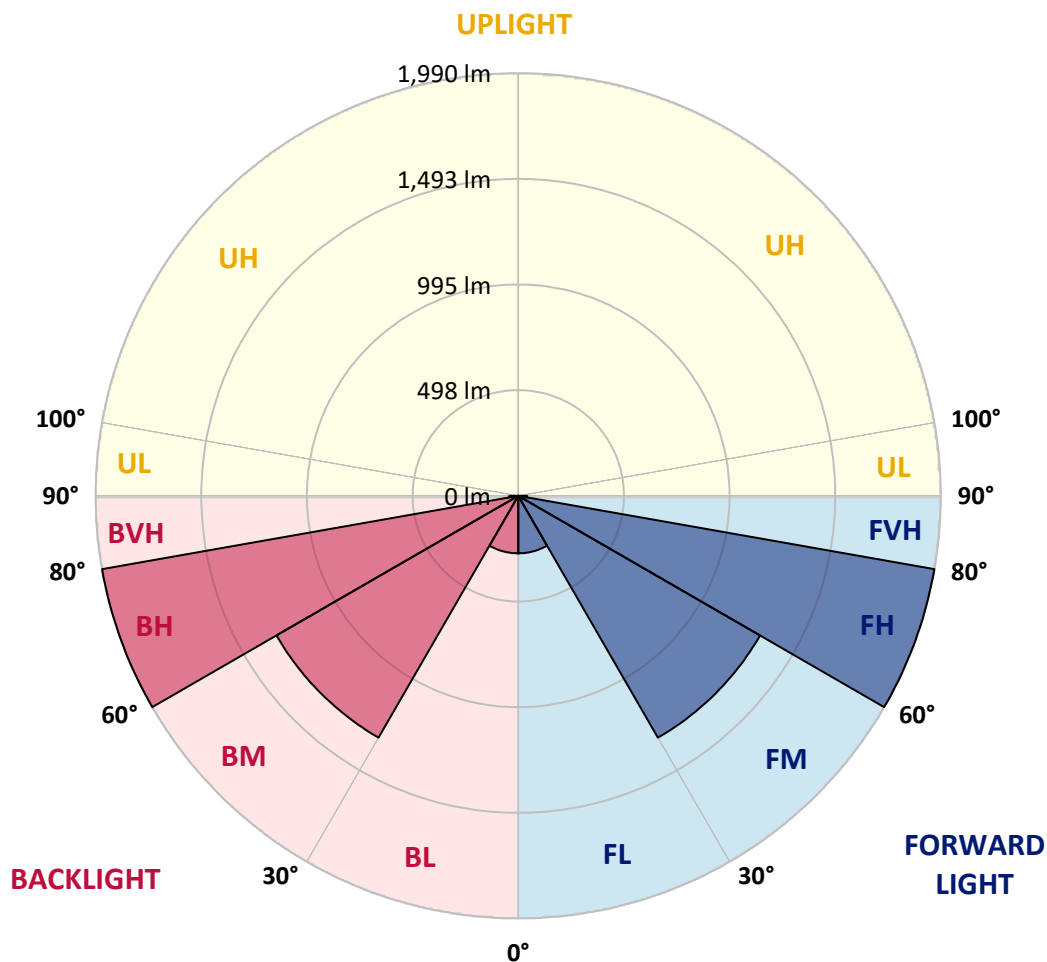
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	270.8	3.7			
FM (30°-60°)	1315.1	18.2			
FH (60°-80°)	1990.3	27.5			G2/5000
FVH (80°-90°)	41.3	0.6			G1/100
BL (0°-30°)	270.8	3.7	B1/500		
BM (30°-60°)	1315.1	18.2	B2/2500		
BH (60°-80°)	1990.3	27.5	B3/2500		G2/5000
BVH (80°-90°)	41.3	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	660.0	660.0	660.0	660.0	660.0	660.0	660.0	660.0	660.0	660.0
2.5°	655.8	657.7	657.0	655.5	655.5	654.3	655.5	656.2	657.3	658.1
5°	647.2	648.7	648.3	647.2	647.6	646.4	647.2	648.3	649.1	649.4
7.5°	639.7	641.2	640.4	638.5	638.5	637.4	637.8	638.9	640.0	640.4
10°	637.8	639.3	637.0	634.0	632.9	631.4	631.8	632.9	635.2	636.3
12.5°	638.5	639.7	637.4	632.9	631.8	630.3	630.3	631.4	634.4	635.9
15°	640.8	641.9	638.5	633.7	632.5	631.4	631.0	632.5	635.9	638.5
17.5°	644.9	646.1	640.8	634.0	632.5	632.9	632.5	633.7	638.9	643.8
20°	648.7	649.4	642.3	634.0	632.5	632.9	632.5	634.8	641.6	648.3
22.5°	649.8	650.6	643.8	636.7	635.5	635.9	635.5	637.8	644.2	651.0
25°	650.2	651.3	646.1	640.4	642.3	643.1	642.3	642.7	647.6	653.6
27.5°	655.8	657.3	652.5	647.6	648.7	648.3	649.4	650.6	654.3	660.4
30°	667.5	668.6	664.5	659.6	658.8	656.2	659.6	663.4	667.5	672.8
32.5°	686.7	688.9	683.7	678.4	675.0	673.5	676.1	682.5	688.2	693.8
35°	718.6	720.1	715.3	705.5	699.5	699.5	701.7	710.0	719.0	726.2
37.5°	763.8	765.6	757.0	745.3	736.3	736.3	739.3	748.0	761.5	771.7
40°	818.7	821.3	810.4	798.4	789.7	788.2	792.0	801.8	814.5	827.3
42.5°	884.9	887.9	873.6	863.0	856.3	856.3	858.2	867.2	878.8	894.6
45°	969.5	974.7	955.2	944.7	938.3	939.8	940.9	948.8	959.3	977.4
47.5°	1070.3	1075.5	1054.8	1043.9	1042.8	1049.9	1045.4	1051.1	1056.7	1077.4
50°	1184.6	1193.6	1179.3	1178.6	1180.8	1194.0	1183.4	1186.5	1180.1	1193.2
52.5°	1324.5	1337.6	1335.0	1339.5	1364.7	1391.8	1367.7	1357.2	1333.1	1337.3
55°	1494.1	1514.0	1517.8	1544.8	1602.0	1657.3	1606.1	1563.6	1512.5	1503.1
57.5°	1687.0	1702.8	1720.8	1776.1	1882.9	1981.1	1882.9	1788.9	1708.4	1689.2
60°	1894.6	1914.1	1931.4	2013.0	2171.7	2309.7	2168.7	2019.4	1913.0	1887.0
62.5°	2117.6	2142.8	2154.8	2245.4	2430.4	2595.2	2433.1	2252.2	2134.1	2106.3
65°	2331.5	2352.2	2365.8	2462.4	2639.2	2804.2	2651.2	2472.9	2351.5	2315.0
67.5°	2431.2	2442.5	2475.6	2585.0	2771.5	2959.9	2803.1	2596.7	2460.9	2397.0
70°	2285.3	2262.4	2342.1	2517.3	2787.3	3055.5	2823.4	2512.1	2345.8	2242.0
72.5°	1766.0	1726.5	1864.9	2164.6	2606.8	2994.5	2624.9	2181.5	1951.0	1740.4
75°	960.8	916.1	1107.1	1486.2	2078.8	2595.5	2126.6	1528.7	1232.7	953.7
77.5°	271.1	254.2	408.4	719.0	1250.4	1822.4	1298.5	734.8	484.4	287.3
80°	83.1	80.5	109.1	216.6	531.0	872.8	510.3	219.2	138.8	87.6
82.5°	49.3	45.1	54.2	79.0	135.4	274.1	131.6	82.4	66.2	44.4
85°	28.2	26.3	32.0	38.4	45.5	58.3	38.0	39.1	35.3	23.7
87.5°	11.7	10.5	12.4	12.0	10.5	13.5	10.2	12.0	14.3	9.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
660.0
657.7
649.4
640.4
636.3
636.3
638.9
643.8
648.7
651.0
653.2
658.8
671.6
691.6
723.5
767.9
823.2
893.5
976.6
1071.4
1185.3
1323.3
1488.4
1675.7
1864.5
2083.7
2296.9
2397.7
2266.9
1792.7
1015.7
319.3
92.5
48.1
24.8
8.6
0.0

OF REPORT)