

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: P846611

Luminaire Tested: **GLAN-SB2B-827-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846611
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-SB2B-827-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9082 lumens
Efficiency: N/A
Efficacy: 122.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

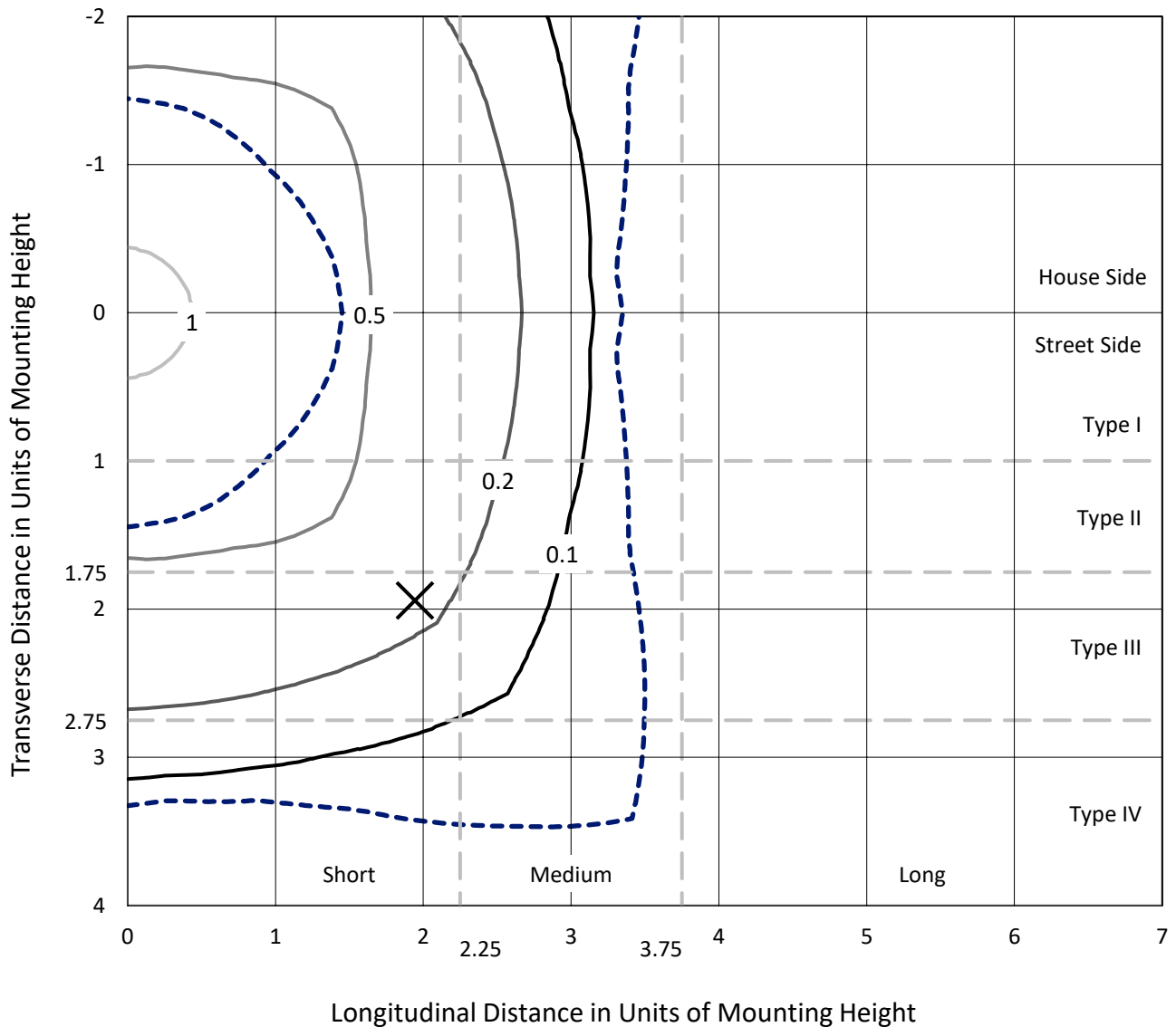
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P846611
 CATALOG NUMBER: GLAN-SB2B-827-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

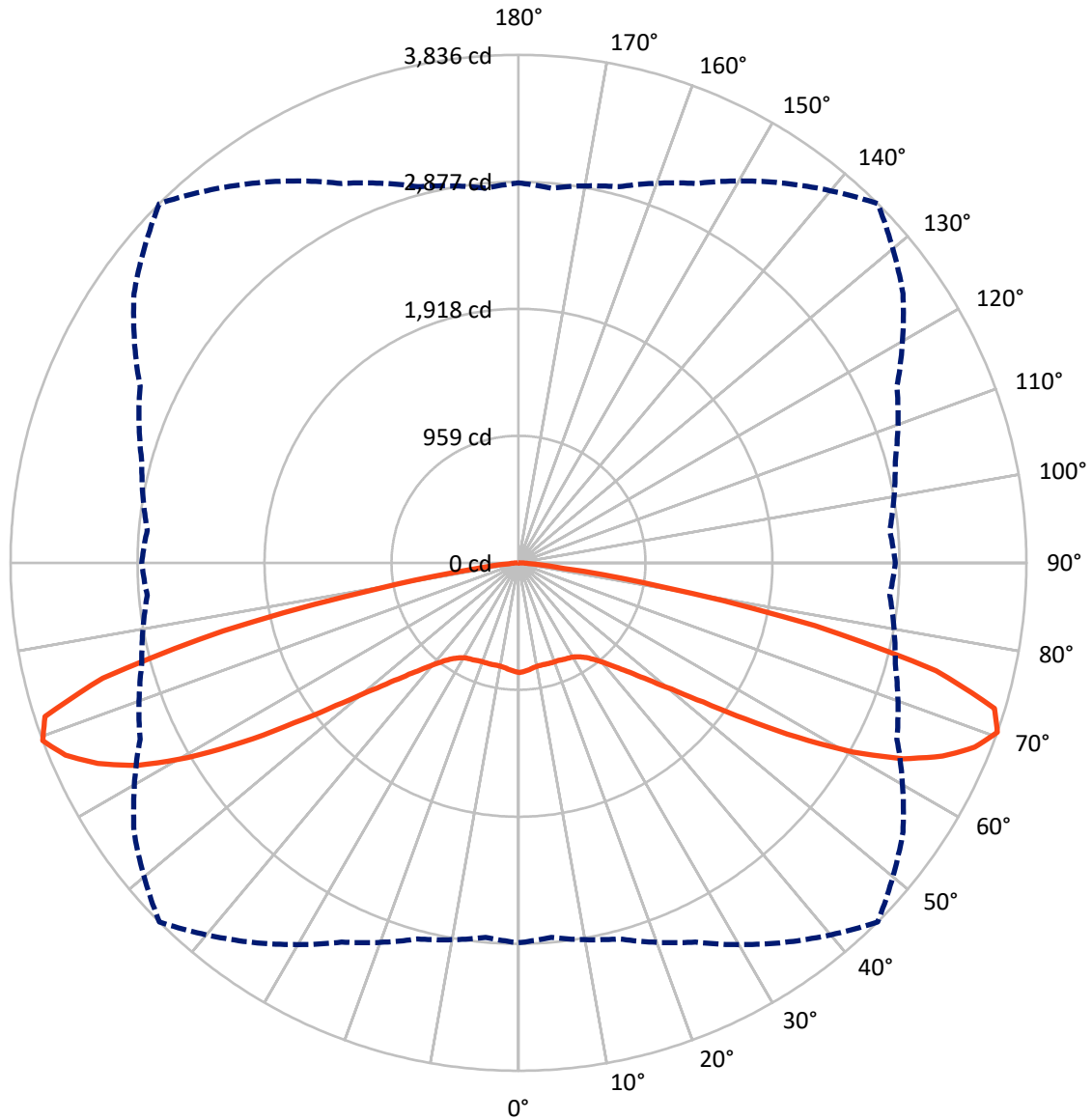
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - N/A

REPORT NUMBER: P846611
CATALOG NUMBER: GLAN-SB2B-827-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P846611
 CATALOG NUMBER: GLAN-SB2B-827-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4541.0	0.0	4541.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4541.0	0.0	4541.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9082.0	0.0	9082.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.1	0.8
10°-20°	226.3	2.5
20°-30°	376.6	4.1
30°-40°	569.5	6.3
40°-50°	946.4	10.4
50°-60°	1785.8	19.7
60°-70°	3015.3	33.2
70°-80°	1981.4	21.8
80°-90°	103.8	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°	9082.0	100.0
0°-180°	9082.0	100.0

Coefficient of Utilization



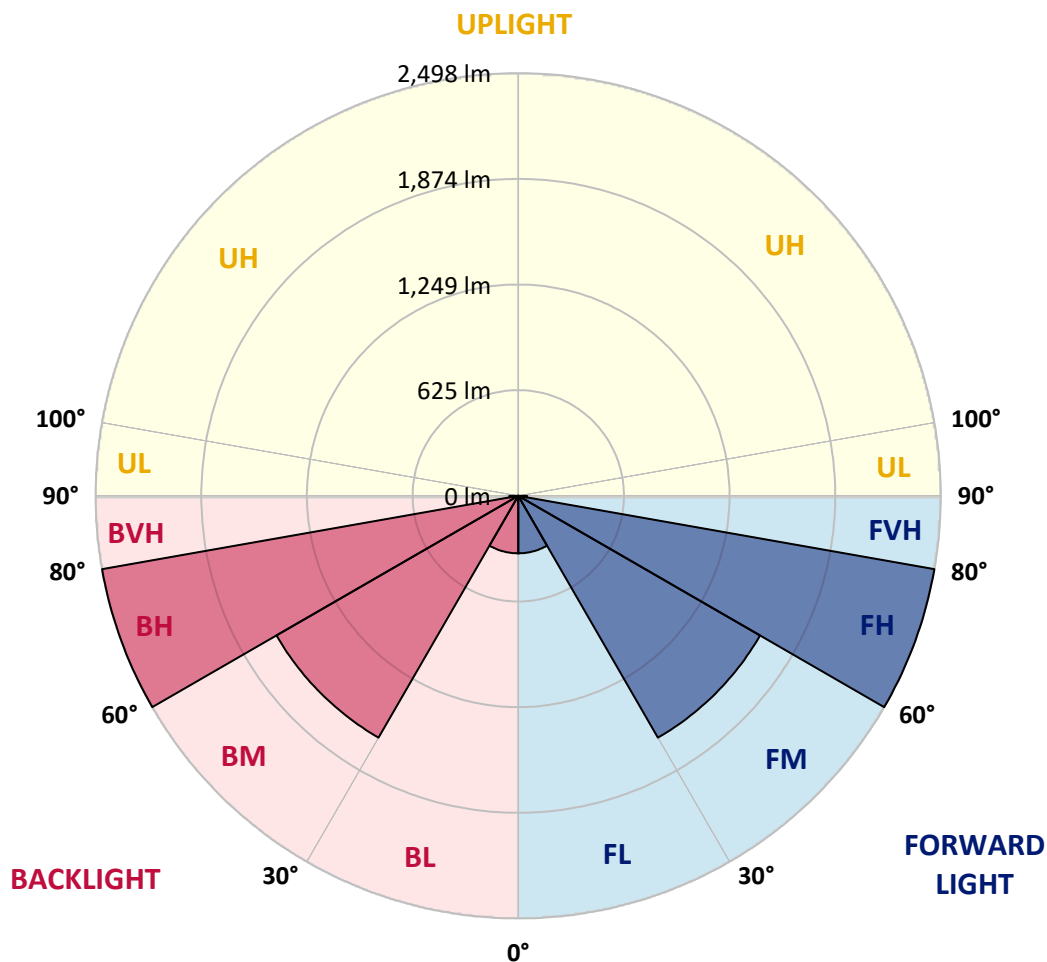
REPORT NUMBER: P846611
 CATALOG NUMBER: GLAN-SB2B-827-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	340.0	3.7			
FM (30°-60°)	1650.8	18.2			
FH (60°-80°)	2498.3	27.5			G2/5000
FVH (80°-90°)	51.9	0.6			G1/100
BL (0°-30°)	340.0	3.7	B1/500		
BM (30°-60°)	1650.8	18.2	B2/2500		
BH (60°-80°)	2498.3	27.5	B3/2500		G2/5000
BVH (80°-90°)	51.9	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



REPORT NUMBER: P846611
 CATALOG NUMBER: GLAN-SB2B-827-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	828.5	828.5	828.5	828.5	828.5	828.5	828.5	828.5	828.5	828.5
2.5°	823.3	825.6	824.7	822.8	822.8	821.4	822.8	823.7	825.2	826.1
5°	812.4	814.3	813.8	812.4	812.9	811.5	812.4	813.8	814.8	815.2
7.5°	803.0	804.9	803.9	801.6	801.6	800.1	800.6	802.0	803.4	803.9
10°	800.6	802.5	799.7	795.9	794.5	792.6	793.1	794.5	797.3	798.7
12.5°	801.6	803.0	800.1	794.5	793.1	791.2	791.2	792.6	796.4	798.2
15°	804.4	805.8	801.6	795.4	794.0	792.6	792.1	794.0	798.2	801.6
17.5°	809.6	811.0	804.4	795.9	794.0	794.5	794.0	795.4	802.0	808.2
20°	814.3	815.2	806.3	795.9	794.0	794.5	794.0	796.8	805.3	813.8
22.5°	815.7	816.7	808.2	799.2	797.8	798.2	797.8	800.6	808.6	817.1
25°	816.2	817.6	811.0	803.9	806.3	807.2	806.3	806.7	812.9	820.4
27.5°	823.3	825.2	819.0	812.9	814.3	813.8	815.2	816.7	821.4	828.9
30°	837.9	839.3	834.1	828.0	827.0	823.7	828.0	832.7	837.9	844.5
32.5°	862.0	864.8	858.2	851.6	847.3	845.5	848.8	856.8	863.9	870.9
35°	902.1	904.0	897.9	885.6	878.0	878.0	880.9	891.2	902.6	911.5
37.5°	958.7	961.1	950.3	935.6	924.3	924.3	928.1	938.9	955.9	968.7
40°	1027.7	1031.0	1017.3	1002.2	991.3	989.4	994.2	1006.4	1022.5	1038.5
42.5°	1110.8	1114.5	1096.6	1083.4	1074.9	1074.9	1077.2	1088.6	1103.2	1123.0
45°	1217.0	1223.6	1199.0	1185.8	1177.8	1179.7	1181.1	1191.0	1204.2	1226.9
47.5°	1343.5	1350.1	1324.1	1310.4	1309.0	1318.0	1312.3	1319.4	1326.5	1352.4
50°	1487.0	1498.3	1480.4	1479.4	1482.3	1498.8	1485.6	1489.3	1481.3	1497.8
52.5°	1662.6	1679.1	1675.8	1681.5	1713.1	1747.1	1716.9	1703.7	1673.4	1678.6
55°	1875.5	1900.5	1905.2	1939.2	2011.0	2080.4	2016.2	1962.8	1898.6	1886.8
57.5°	2117.7	2137.5	2160.1	2229.5	2363.6	2486.8	2363.6	2245.6	2144.6	2120.5
60°	2378.2	2402.8	2424.5	2526.9	2726.1	2899.4	2722.4	2534.9	2401.4	2368.8
62.5°	2658.2	2689.8	2704.9	2818.7	3050.9	3257.7	3054.2	2827.2	2678.9	2644.0
65°	2926.8	2952.7	2969.7	3091.0	3312.9	3520.1	3328.0	3104.3	2951.8	2906.0
67.5°	3051.9	3066.0	3107.6	3244.9	3479.1	3715.6	3518.7	3259.6	3089.1	3008.9
70°	2868.7	2839.9	2940.0	3160.0	3498.9	3835.5	3544.2	3153.3	2944.7	2814.4
72.5°	2216.8	2167.2	2340.9	2717.2	3272.3	3759.0	3295.0	2738.4	2449.0	2184.7
75°	1206.1	1149.9	1389.7	1865.6	2609.5	3258.1	2669.5	1918.9	1547.4	1197.1
77.5°	340.4	319.1	512.7	902.6	1569.6	2287.6	1630.0	922.4	608.0	360.7
80°	104.3	101.0	136.9	271.9	666.5	1095.6	640.6	275.2	174.2	110.0
82.5°	61.8	56.6	68.0	99.1	169.9	344.1	165.2	103.4	83.1	55.7
85°	35.4	33.0	40.1	48.1	57.1	73.2	47.7	49.1	44.4	29.7
87.5°	14.6	13.2	15.6	15.1	13.2	17.0	12.7	15.1	17.9	11.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
828.5
825.6
815.2
803.9
798.7
798.7
802.0
808.2
814.3
817.1
820.0
827.0
843.1
868.1
908.2
963.9
1033.3
1121.6
1225.9
1344.9
1487.9
1661.2
1868.4
2103.5
2340.5
2615.7
2883.3
3009.8
2845.6
2250.3
1275.0
400.8
116.1
60.4
31.2
10.9
0.0

OF REPORT)