

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: P939460

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939460
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-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: 7890 lumens
Efficiency: N/A
Efficacy: 137.7 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



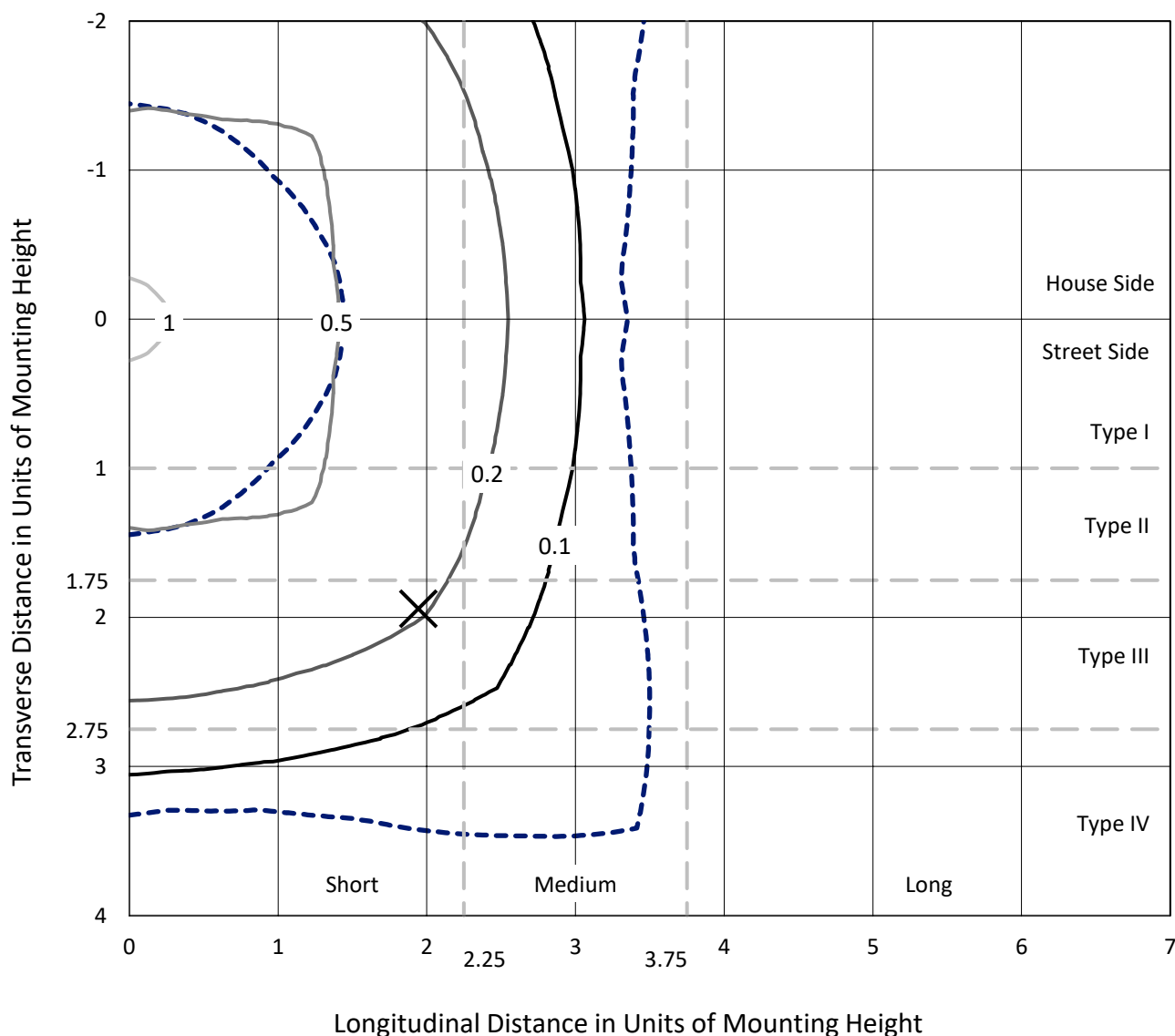
REPORT NUMBER: P939460

CATALOG NUMBER: GLAN-SB2A-827-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

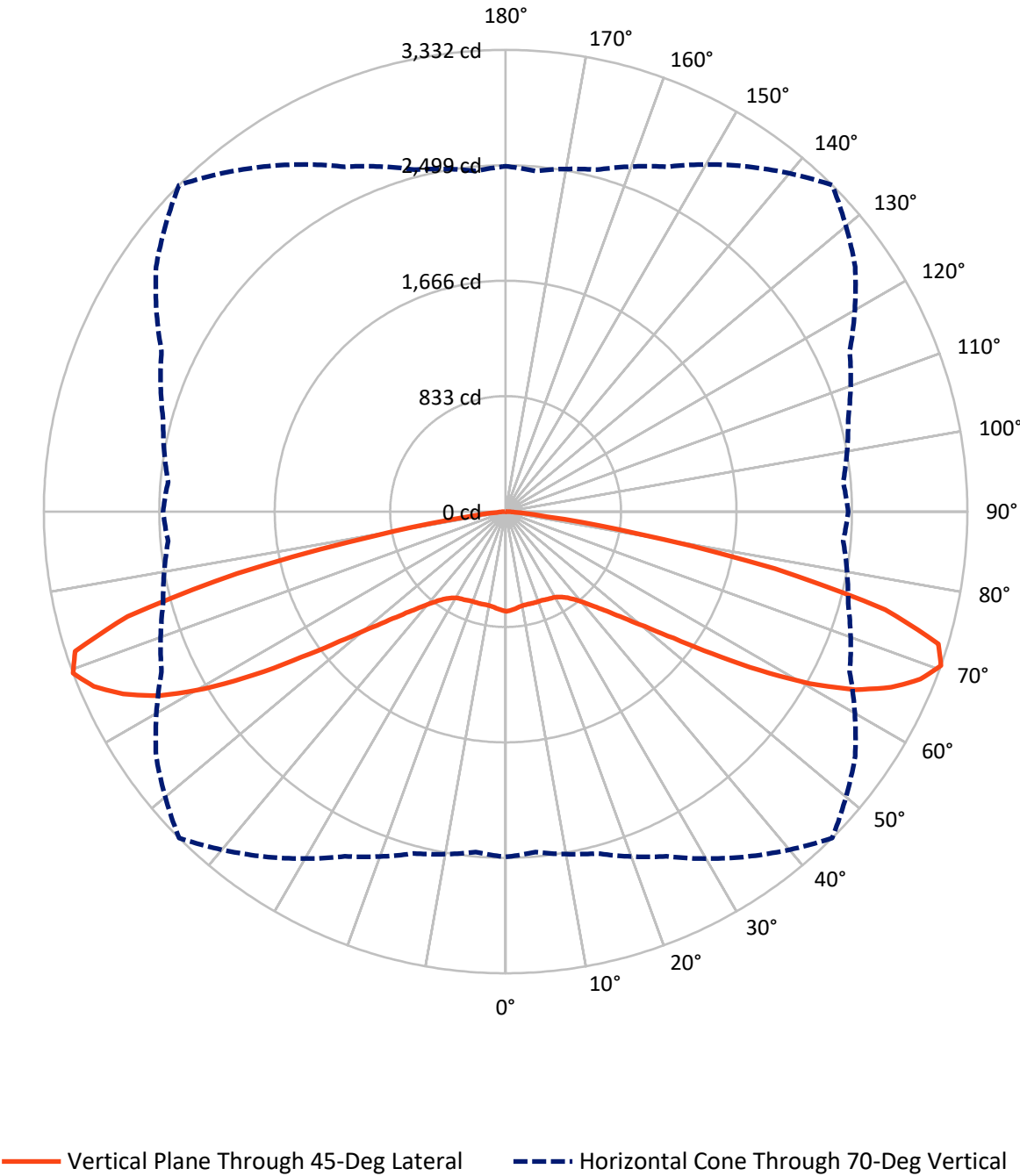


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc

Type V - Short - N/A

REPORT NUMBER: P939460
CATALOG NUMBER: GLAN-SB2A-827-U-5WQ

Luminous Intensity Polar Plot



REPORT NUMBER: P939460

CATALOG NUMBER: GLAN-SB2A-827-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3945.0	0.0	3945.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3945.0	0.0	3945.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7890.0	0.0	7890.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.0	0.8
10°-20°	196.6	2.5
20°-30°	327.2	4.1
30°-40°	494.7	6.3
40°-50°	822.2	10.4
50°-60°	1551.4	19.7
60°-70°	2619.6	33.2
70°-80°	1721.3	21.8
80°-90°	90.2	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°	7890.0	100.0
0°-180°	7890.0	100.0

Coefficient of Utilization



REPORT NUMBER: P939460

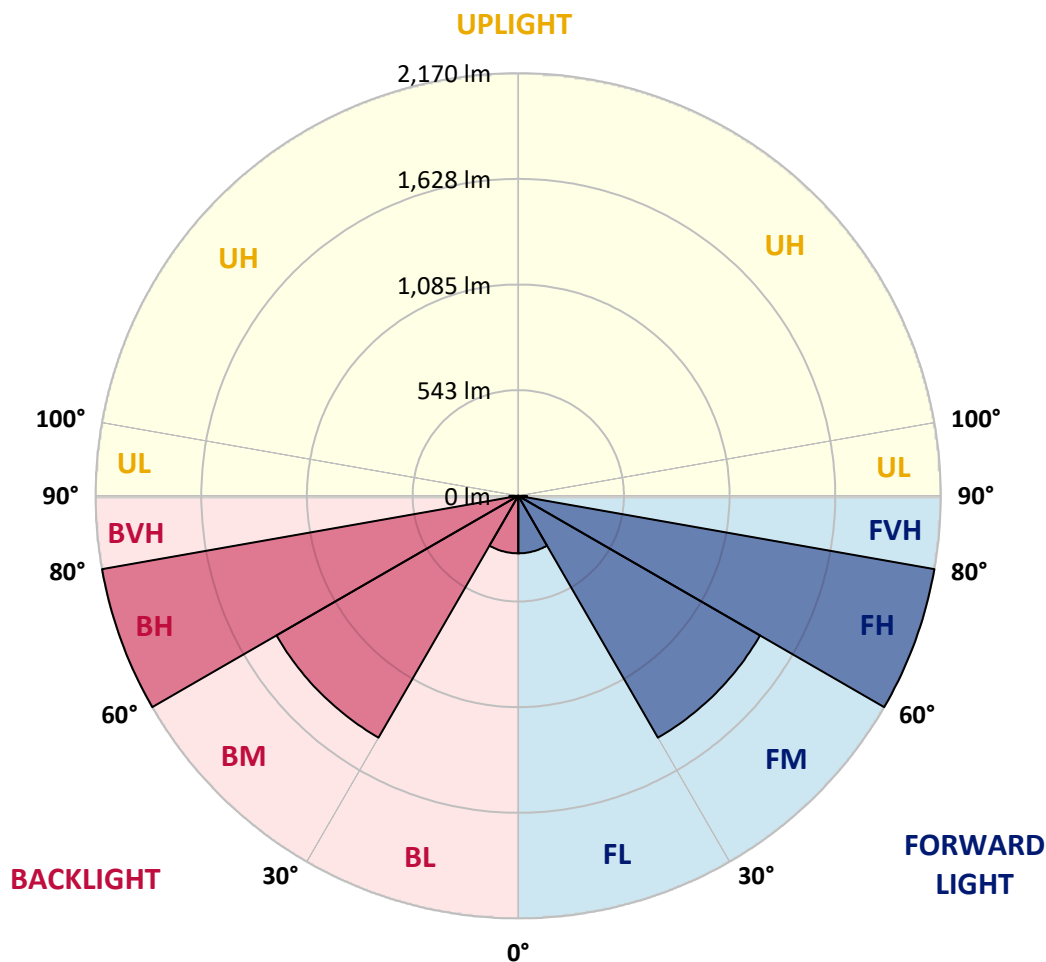
CATALOG NUMBER: GLAN-SB2A-827-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	295.3	3.7			
FM	(30°-60°)	1434.1	18.2			
FH	(60°-80°)	2170.4	27.5			G2/5000
FVH	(80°-90°)	45.1	0.6			G1/100
BL	(0°-30°)	295.3	3.7	B1/500		
BM	(30°-60°)	1434.1	18.2	B2/2500		
BH	(60°-80°)	2170.4	27.5	B3/2500		G2/5000
BVH	(80°-90°)	45.1	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: P939460

CATALOG NUMBER: GLAN-SB2A-827-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	719.7	719.7	719.7	719.7	719.7	719.7	719.7	719.7	719.7	719.7
2.5°	715.2	717.3	716.4	714.8	714.8	713.6	714.8	715.6	716.9	717.7
5°	705.8	707.4	707.0	705.8	706.2	705.0	705.8	707.0	707.8	708.2
7.5°	697.6	699.2	698.4	696.4	696.4	695.1	695.5	696.8	698.0	698.4
10°	695.5	697.2	694.7	691.4	690.2	688.6	689.0	690.2	692.7	693.9
12.5°	696.4	697.6	695.1	690.2	689.0	687.3	687.3	688.6	691.8	693.5
15°	698.8	700.0	696.4	691.0	689.8	688.6	688.1	689.8	693.5	696.4
17.5°	703.3	704.6	698.8	691.4	689.8	690.2	689.8	691.0	696.8	702.1
20°	707.4	708.2	700.5	691.4	689.8	690.2	689.8	692.3	699.6	707.0
22.5°	708.7	709.5	702.1	694.3	693.1	693.5	693.1	695.5	702.5	709.9
25°	709.1	710.3	704.6	698.4	700.5	701.3	700.5	700.9	706.2	712.8
27.5°	715.2	716.9	711.5	706.2	707.4	707.0	708.2	709.5	713.6	720.1
30°	727.9	729.2	724.6	719.3	718.5	715.6	719.3	723.4	727.9	733.7
32.5°	748.8	751.3	745.6	739.8	736.1	734.5	737.4	744.3	750.5	756.6
35°	783.7	785.3	780.0	769.3	762.8	762.8	765.2	774.3	784.1	791.9
37.5°	832.9	835.0	825.5	812.8	803.0	803.0	806.3	815.7	830.5	841.5
40°	892.8	895.7	883.8	870.6	861.2	859.6	863.7	874.3	888.3	902.2
42.5°	965.0	968.2	952.7	941.2	933.8	933.8	935.8	945.7	958.4	975.6
45°	1057.2	1063.0	1041.7	1030.2	1023.2	1024.8	1026.1	1034.7	1046.2	1065.9
47.5°	1167.1	1172.9	1150.3	1138.4	1137.2	1145.0	1140.1	1146.2	1152.4	1174.9
50°	1291.8	1301.7	1286.1	1285.3	1287.7	1302.1	1290.6	1293.9	1286.9	1301.2
52.5°	1444.4	1458.7	1455.9	1460.8	1488.3	1517.8	1491.5	1480.1	1453.8	1458.3
55°	1629.3	1651.1	1655.2	1684.7	1747.0	1807.3	1751.5	1705.2	1649.4	1639.2
57.5°	1839.7	1856.9	1876.6	1936.9	2053.4	2160.4	2053.4	1950.8	1863.1	1842.2
60°	2066.1	2087.4	2106.3	2195.3	2368.3	2518.8	2365.1	2202.2	2086.2	2057.9
62.5°	2309.3	2336.8	2349.9	2448.7	2650.5	2830.1	2653.4	2456.1	2327.3	2297.0
65°	2542.6	2565.2	2579.9	2685.3	2878.1	3058.1	2891.2	2696.8	2564.4	2524.6
67.5°	2651.3	2663.6	2699.7	2819.0	3022.4	3227.9	3056.9	2831.7	2683.7	2614.0
70°	2492.2	2467.2	2554.1	2745.2	3039.7	3332.1	3079.0	2739.5	2558.2	2445.0
72.5°	1925.8	1882.8	2033.7	2360.5	2842.8	3265.6	2862.5	2379.0	2127.6	1897.9
75°	1047.8	999.0	1207.3	1620.7	2267.0	2830.5	2319.1	1667.1	1344.3	1040.0
77.5°	295.7	277.2	445.4	784.1	1363.6	1987.3	1416.1	801.3	528.2	313.3
80°	90.6	87.8	118.9	236.2	579.1	951.8	556.5	239.1	151.3	95.6
82.5°	53.7	49.2	59.1	86.1	147.6	299.0	143.5	89.8	72.2	48.4
85°	30.8	28.7	34.9	41.8	49.6	63.6	41.4	42.7	38.5	25.8
87.5°	12.7	11.5	13.5	13.1	11.5	14.8	11.1	13.1	15.6	10.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
719.7
717.3
708.2
698.4
693.9
693.9
696.8
702.1
707.4
709.9
712.3
718.5
732.4
754.2
789.0
837.4
897.7
974.4
1065.0
1168.4
1292.6
1443.1
1623.2
1827.4
2033.3
2272.4
2504.9
2614.8
2472.1
1955.0
1107.7
348.2
100.9
52.5
27.1
9.4
0.0

OF REPORT)