

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: P847161

Luminaire Tested: **GLAN-SB3A-850-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847161
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-SB3A-850-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11689 lumens
Efficiency: N/A
Efficacy: 138.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

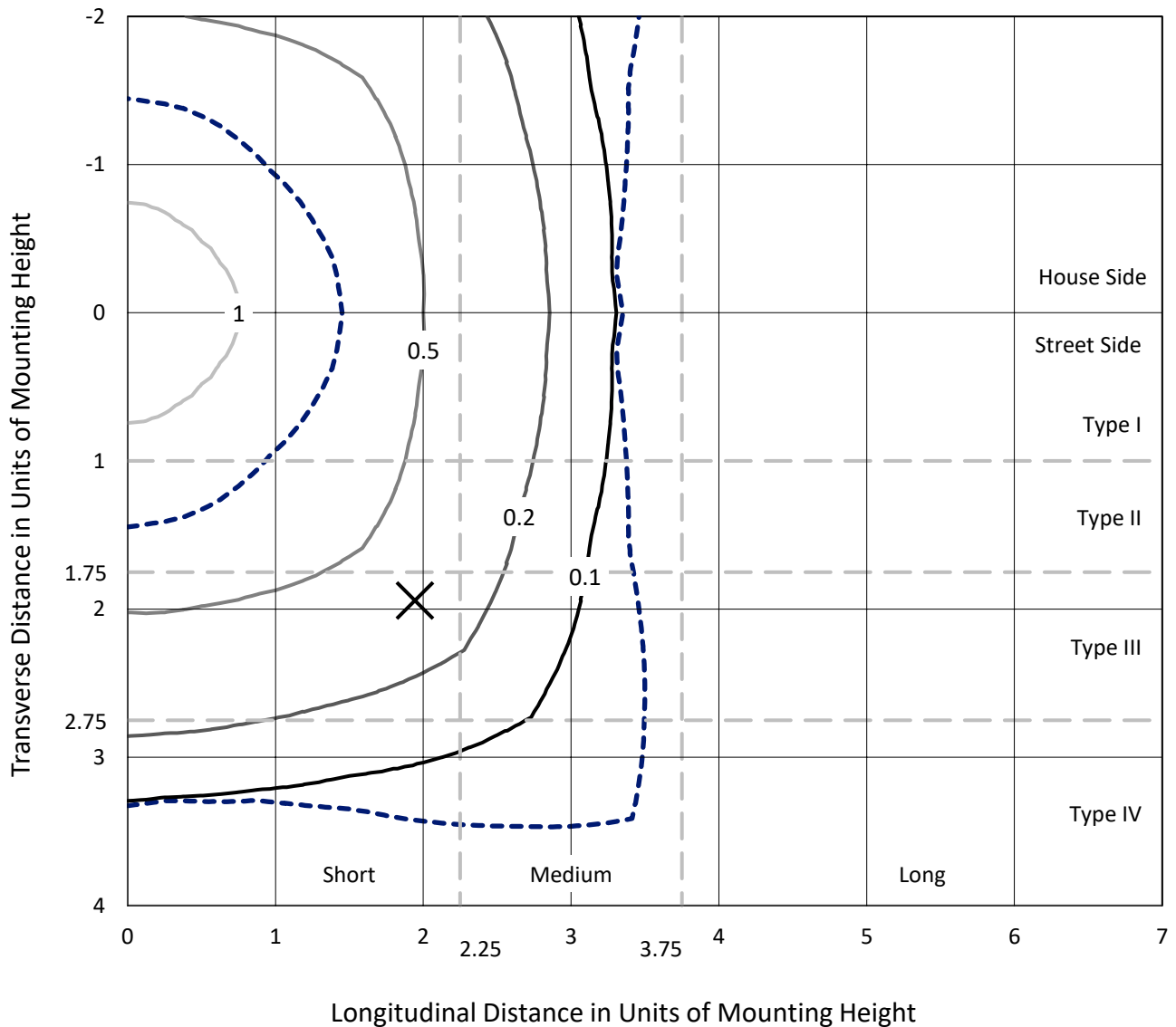
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P847161
 CATALOG NUMBER: GLAN-SB3A-850-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

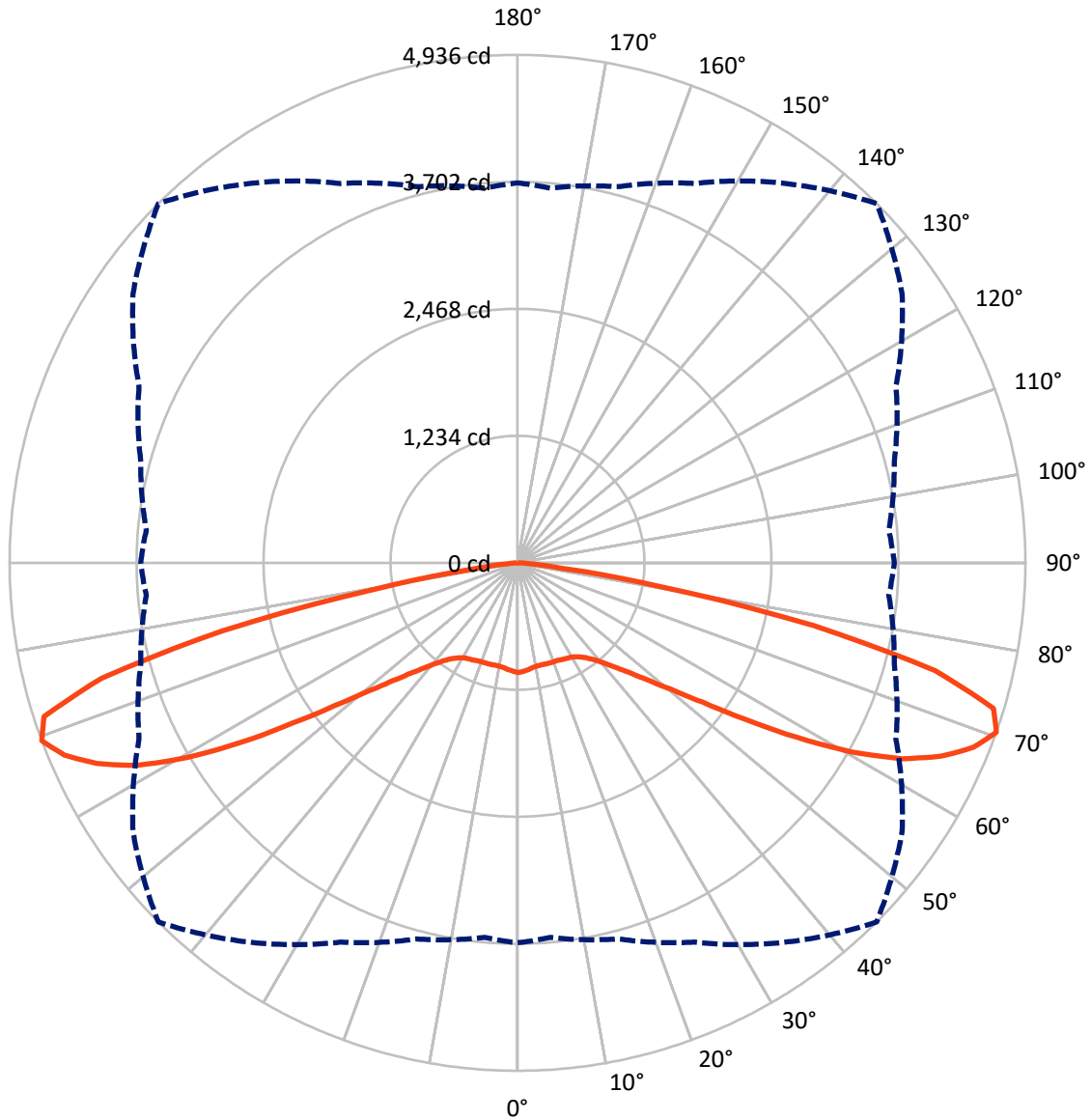
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type V - Short - N/A

REPORT NUMBER: P847161
CATALOG NUMBER: GLAN-SB3A-850-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P847161
 CATALOG NUMBER: GLAN-SB3A-850-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5844.5	0.0	5844.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5844.5	0.0	5844.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11689.0	0.0	11689.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.2	0.8
10°-20°	291.2	2.5
20°-30°	484.7	4.1
30°-40°	733.0	6.3
40°-50°	1218.0	10.4
50°-60°	2298.3	19.7
60°-70°	3880.9	33.2
70°-80°	2550.1	21.8
80°-90°	133.6	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°	11689.0	100.0
0°-180°	11689.0	100.0

Coefficient of Utilization



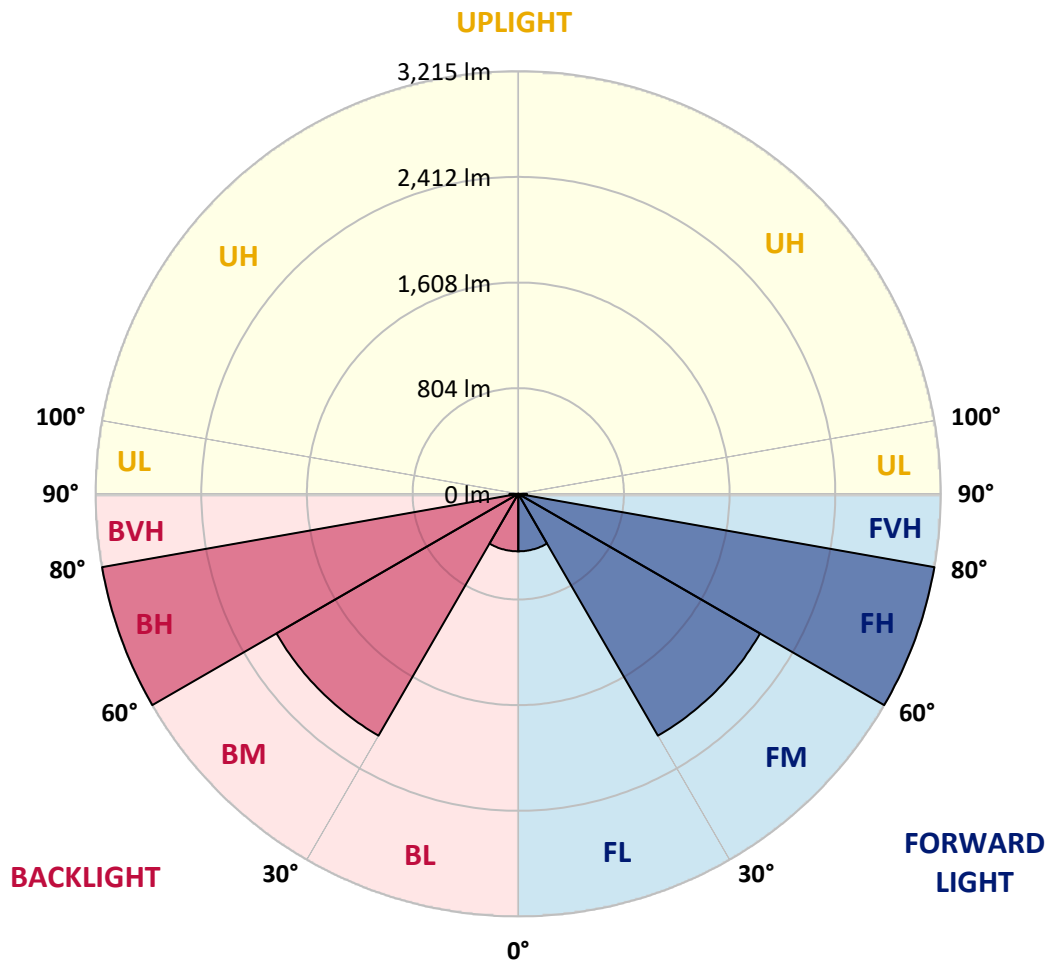
REPORT NUMBER: P847161
 CATALOG NUMBER: GLAN-SB3A-850-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	437.5	3.7			
FM (30°-60°)	2124.7	18.2			
FH (60°-80°)	3215.5	27.5			G2/5000
FVH (80°-90°)	66.8	0.6			G1/100
BL (0°-30°)	437.5	3.7	B1/500		
BM (30°-60°)	2124.7	18.2	B2/2500		
BH (60°-80°)	3215.5	27.5	B4/5000		G2/5000
BVH (80°-90°)	66.8	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



REPORT NUMBER: P847161
 CATALOG NUMBER: GLAN-SB3A-850-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1066.3	1066.3	1066.3	1066.3	1066.3	1066.3	1066.3	1066.3	1066.3	1066.3
2.5°	1059.6	1062.6	1061.4	1059.0	1059.0	1057.2	1059.0	1060.2	1062.0	1063.2
5°	1045.6	1048.0	1047.4	1045.6	1046.2	1044.4	1045.6	1047.4	1048.7	1049.3
7.5°	1033.5	1035.9	1034.7	1031.6	1031.6	1029.8	1030.4	1032.2	1034.1	1034.7
10°	1030.4	1032.9	1029.2	1024.4	1022.5	1020.1	1020.7	1022.5	1026.2	1028.0
12.5°	1031.6	1033.5	1029.8	1022.5	1020.7	1018.3	1018.3	1020.1	1025.0	1027.4
15°	1035.3	1037.1	1031.6	1023.7	1021.9	1020.1	1019.5	1021.9	1027.4	1031.6
17.5°	1042.0	1043.8	1035.3	1024.4	1021.9	1022.5	1021.9	1023.7	1032.2	1040.1
20°	1048.0	1049.3	1037.7	1024.4	1021.9	1022.5	1021.9	1025.6	1036.5	1047.4
22.5°	1049.9	1051.1	1040.1	1028.6	1026.8	1027.4	1026.8	1030.4	1040.8	1051.7
25°	1050.5	1052.3	1043.8	1034.7	1037.7	1038.9	1037.7	1038.3	1046.2	1055.9
27.5°	1059.6	1062.0	1054.1	1046.2	1048.0	1047.4	1049.3	1051.1	1057.2	1066.9
30°	1078.4	1080.2	1073.6	1065.7	1064.4	1060.2	1065.7	1071.7	1078.4	1086.9
32.5°	1109.4	1113.1	1104.5	1096.0	1090.6	1088.1	1092.4	1102.7	1111.8	1121.0
35°	1161.1	1163.5	1155.6	1139.8	1130.1	1130.1	1133.7	1147.1	1161.7	1173.2
37.5°	1234.0	1237.0	1223.0	1204.2	1189.6	1189.6	1194.5	1208.4	1230.3	1246.7
40°	1322.7	1326.9	1309.3	1289.9	1275.9	1273.5	1279.5	1295.3	1316.0	1336.6
42.5°	1429.6	1434.5	1411.4	1394.4	1383.4	1383.4	1386.5	1401.0	1419.9	1445.4
45°	1566.3	1574.8	1543.2	1526.2	1515.9	1518.3	1520.1	1532.9	1549.9	1579.1
47.5°	1729.1	1737.6	1704.2	1686.6	1684.8	1696.3	1689.0	1698.1	1707.3	1740.7
50°	1913.8	1928.4	1905.3	1904.1	1907.7	1929.0	1912.0	1916.9	1906.5	1927.8
52.5°	2139.8	2161.1	2156.8	2164.1	2204.8	2248.6	2209.7	2192.7	2153.8	2160.5
55°	2413.8	2446.0	2452.1	2495.9	2588.2	2677.5	2594.9	2526.2	2443.6	2428.4
57.5°	2725.5	2751.0	2780.2	2869.5	3042.1	3200.6	3042.1	2890.2	2760.2	2729.2
60°	3060.9	3092.5	3120.4	3252.3	3508.7	3731.6	3503.8	3262.6	3090.7	3048.7
62.5°	3421.2	3461.9	3481.3	3627.8	3926.7	4192.8	3930.9	3638.7	3447.9	3403.0
65°	3766.9	3800.3	3822.2	3978.3	4263.9	4530.6	4283.3	3995.3	3799.1	3740.2
67.5°	3927.9	3946.1	3999.6	4176.4	4477.7	4782.1	4528.8	4195.2	3975.9	3872.6
70°	3692.2	3655.1	3783.9	4067.0	4503.3	4936.4	4561.6	4058.5	3790.0	3622.3
72.5°	2853.1	2789.3	3012.9	3497.1	4211.6	4838.0	4240.8	3524.5	3152.0	2811.8
75°	1552.3	1480.0	1788.7	2401.1	3358.6	4193.4	3435.8	2469.7	1991.6	1540.8
77.5°	438.1	410.7	659.8	1161.7	2020.1	2944.2	2097.9	1187.2	782.5	464.2
80°	134.3	130.0	176.2	350.0	857.9	1410.2	824.5	354.2	224.2	141.6
82.5°	79.6	72.9	87.5	127.6	218.7	442.9	212.6	133.1	106.9	71.7
85°	45.6	42.5	51.6	62.0	73.5	94.2	61.4	63.2	57.1	38.3
87.5°	18.8	17.0	20.0	19.4	17.0	21.9	16.4	19.4	23.1	15.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1066.3
1062.6
1049.3
1034.7
1028.0
1028.0
1032.2
1040.1
1048.0
1051.7
1055.3
1064.4
1085.1
1117.3
1169.0
1240.6
1330.0
1443.6
1577.8
1730.9
1915.0
2138.0
2404.7
2707.3
3012.3
3366.5
3711.0
3873.8
3662.4
2896.3
1641.0
515.8
149.5
77.8
40.1
14.0
0.0

OF REPORT)