

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: P846821

Luminaire Tested: **GLAN-SB2C-850-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846821
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-SB2C-850-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13008 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

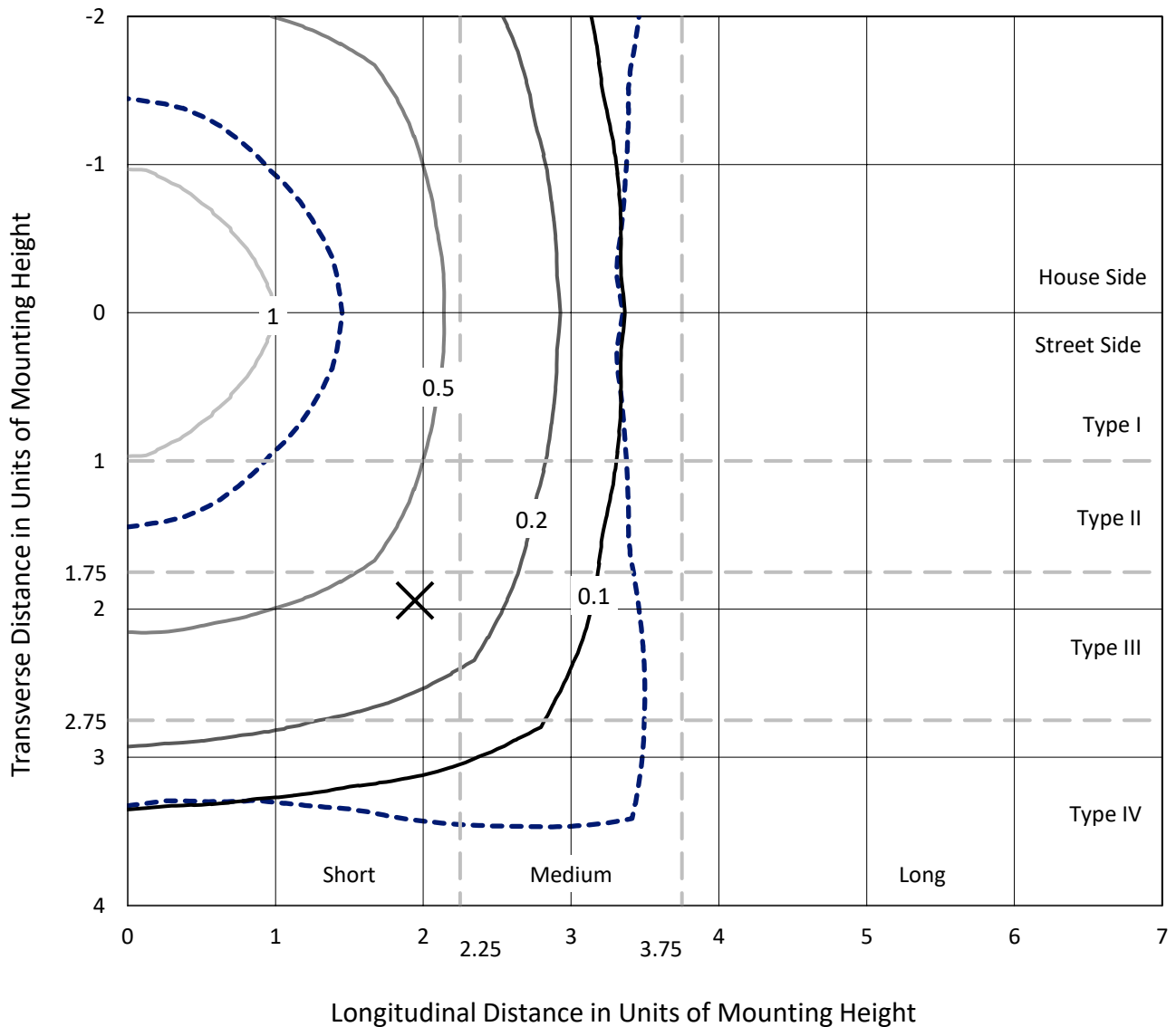
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P846821
 CATALOG NUMBER: GLAN-SB2C-850-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

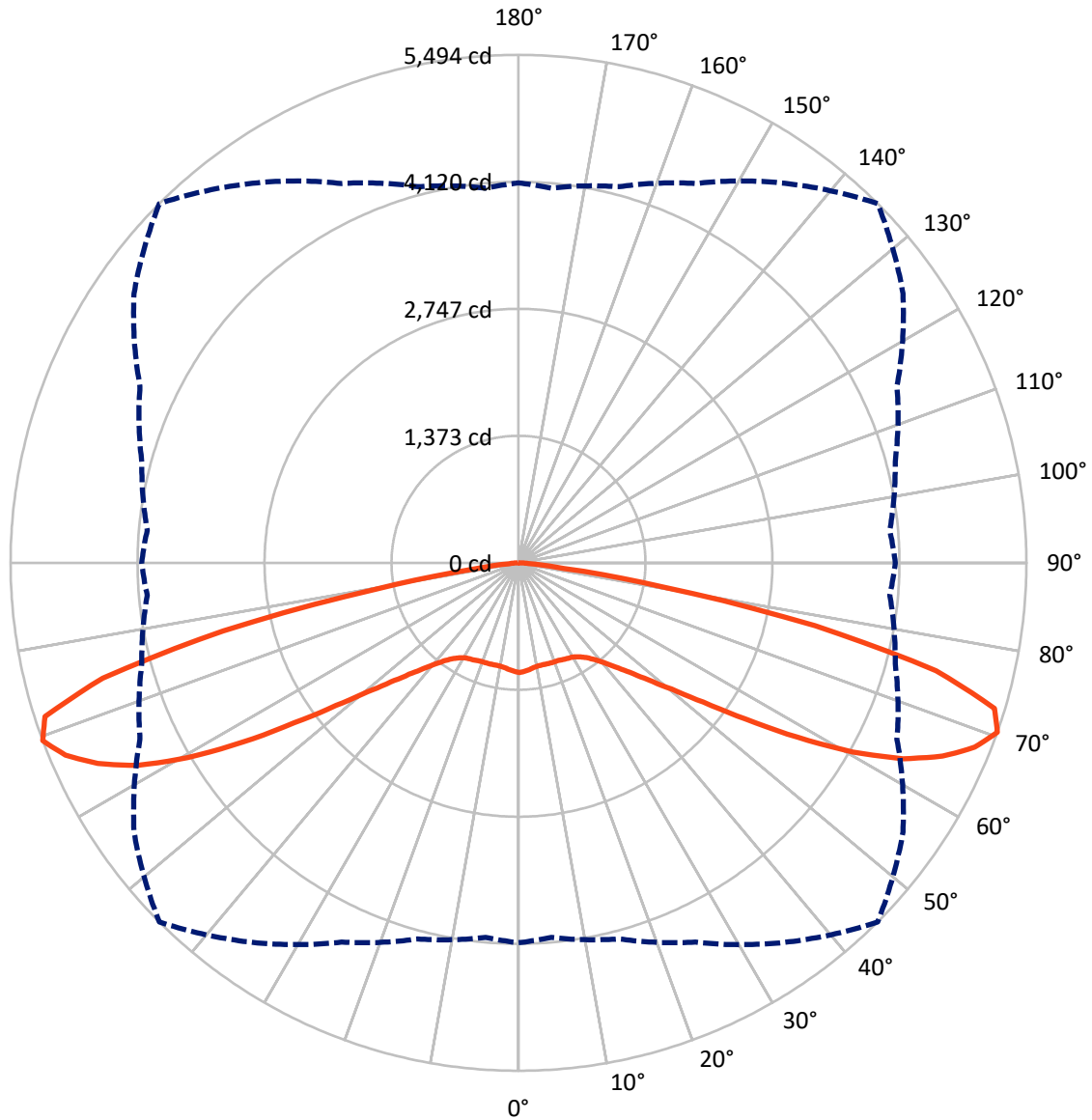
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type V - Short - N/A

REPORT NUMBER: P846821
CATALOG NUMBER: GLAN-SB2C-850-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P846821
 CATALOG NUMBER: GLAN-SB2C-850-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6504.0	0.0	6504.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6504.0	0.0	6504.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13008.0	0.0	13008.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.4	0.8
10°-20°	324.1	2.5
20°-30°	539.4	4.1
30°-40°	815.7	6.3
40°-50°	1355.5	10.4
50°-60°	2557.7	19.7
60°-70°	4318.8	33.2
70°-80°	2837.9	21.8
80°-90°	148.7	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°	13008.0	100.0
0°-180°	13008.0	100.0

Coefficient of Utilization

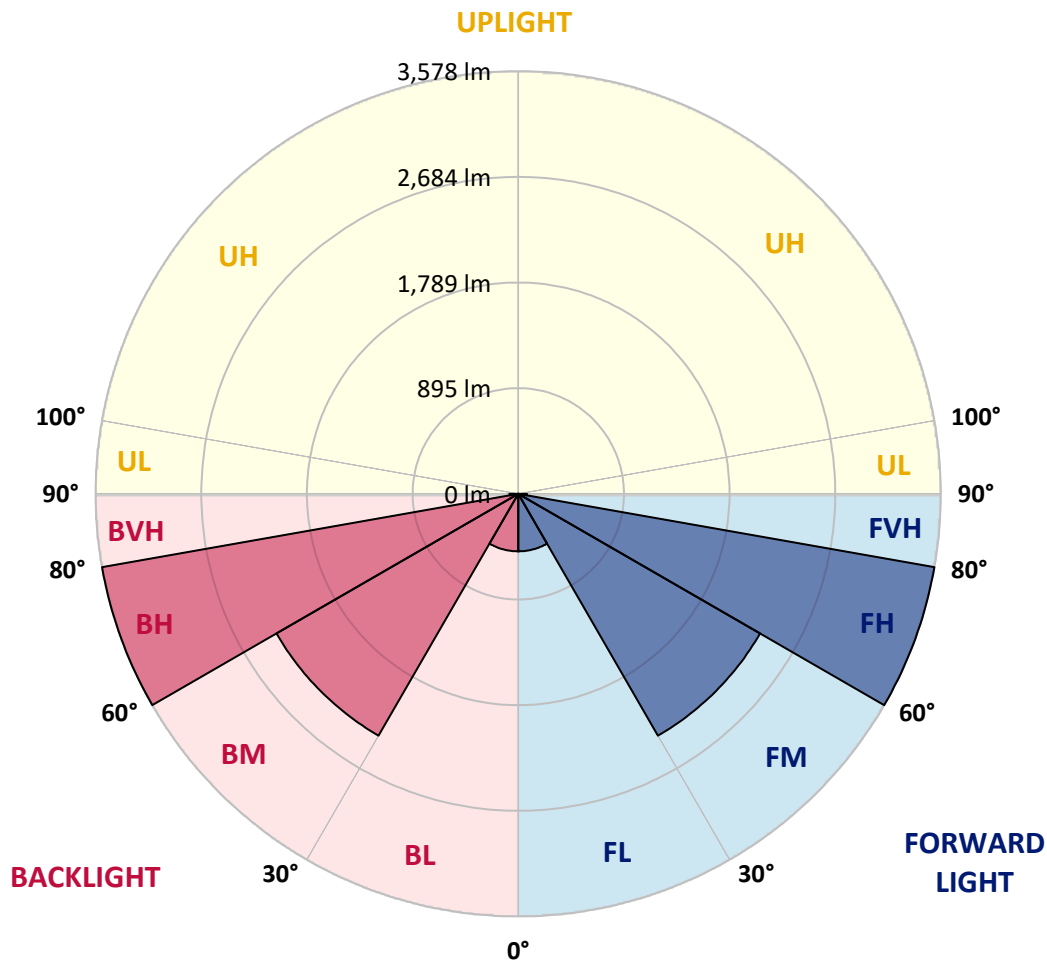


REPORT NUMBER: P846821
 CATALOG NUMBER: GLAN-SB2C-850-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	486.9	3.7			
FM (30°-60°)	2364.4	18.2			
FH (60°-80°)	3578.3	27.5			G2/5000
FVH (80°-90°)	74.3	0.6			G1/100
BL (0°-30°)	486.9	3.7	B1/500		
BM (30°-60°)	2364.4	18.2	B2/2500		
BH (60°-80°)	3578.3	27.5	B4/5000		G2/5000
BVH (80°-90°)	74.3	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2
 Type V Short



REPORT NUMBER: P846821
 CATALOG NUMBER: GLAN-SB2C-850-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1186.6	1186.6	1186.6	1186.6	1186.6	1186.6	1186.6	1186.6	1186.6	1186.6
2.5°	1179.2	1182.5	1181.2	1178.5	1178.5	1176.4	1178.5	1179.8	1181.9	1183.2
5°	1163.6	1166.3	1165.6	1163.6	1164.3	1162.3	1163.6	1165.6	1167.0	1167.7
7.5°	1150.1	1152.8	1151.4	1148.1	1148.1	1146.0	1146.7	1148.7	1150.8	1151.4
10°	1146.7	1149.4	1145.3	1139.9	1137.9	1135.2	1135.9	1137.9	1142.0	1144.0
12.5°	1148.1	1150.1	1146.0	1137.9	1135.9	1133.2	1133.2	1135.2	1140.6	1143.3
15°	1152.1	1154.1	1148.1	1139.3	1137.2	1135.2	1134.5	1137.2	1143.3	1148.1
17.5°	1159.5	1161.6	1152.1	1139.9	1137.2	1137.9	1137.2	1139.3	1148.7	1157.5
20°	1166.3	1167.7	1154.8	1139.9	1137.2	1137.9	1137.2	1141.3	1153.5	1165.6
22.5°	1168.3	1169.7	1157.5	1144.7	1142.6	1143.3	1142.6	1146.7	1158.2	1170.4
25°	1169.0	1171.0	1161.6	1151.4	1154.8	1156.2	1154.8	1155.5	1164.3	1175.1
27.5°	1179.2	1181.9	1173.1	1164.3	1166.3	1165.6	1167.7	1169.7	1176.4	1187.3
30°	1200.1	1202.1	1194.7	1185.9	1184.6	1179.8	1185.9	1192.7	1200.1	1209.6
32.5°	1234.6	1238.7	1229.2	1219.7	1213.6	1210.9	1215.7	1227.2	1237.3	1247.4
35°	1292.1	1294.8	1286.0	1268.4	1257.6	1257.6	1261.6	1276.5	1292.7	1305.6
37.5°	1373.2	1376.6	1361.0	1340.1	1323.8	1323.8	1329.3	1344.8	1369.1	1387.4
40°	1471.9	1476.6	1457.0	1435.4	1419.9	1417.1	1423.9	1441.5	1464.5	1487.5
42.5°	1590.9	1596.3	1570.6	1551.7	1539.5	1539.5	1542.9	1559.1	1580.1	1608.5
45°	1743.0	1752.5	1717.3	1698.4	1686.9	1689.6	1691.7	1705.9	1724.8	1757.2
47.5°	1924.2	1933.7	1896.5	1876.9	1874.9	1887.7	1879.6	1889.8	1899.9	1937.1
50°	2129.8	2146.0	2120.3	2119.0	2123.0	2146.7	2127.8	2133.2	2121.7	2145.3
52.5°	2381.3	2405.0	2400.2	2408.3	2453.6	2502.3	2459.1	2440.1	2396.8	2404.3
55°	2686.2	2722.1	2728.8	2777.5	2880.3	2979.7	2887.7	2811.3	2719.4	2702.5
57.5°	3033.1	3061.5	3093.9	3193.3	3385.3	3561.8	3385.3	3216.3	3071.6	3037.1
60°	3406.3	3441.5	3472.6	3619.3	3904.6	4152.7	3899.2	3630.8	3439.4	3392.8
62.5°	3807.2	3852.5	3874.2	4037.1	4369.8	4665.9	4374.5	4049.3	3837.0	3787.0
65°	4191.9	4229.1	4253.5	4427.2	4745.0	5041.8	4766.6	4446.2	4227.8	4162.2
67.5°	4371.1	4391.4	4450.9	4647.7	4983.0	5321.7	5039.8	4668.6	4424.5	4309.6
70°	4108.8	4067.5	4210.9	4526.0	5011.4	5493.5	5076.3	4516.5	4217.6	4031.0
72.5°	3175.1	3104.1	3352.9	3891.7	4686.9	5383.9	4719.3	3922.2	3507.7	3129.1
75°	1727.5	1647.0	1990.5	2672.0	3737.6	4666.6	3823.5	2748.4	2216.3	1714.6
77.5°	487.5	457.1	734.3	1292.7	2248.1	3276.5	2334.6	1321.1	870.8	516.6
80°	149.4	144.7	196.1	389.4	954.7	1569.3	917.5	394.2	249.5	157.5
82.5°	88.6	81.1	97.4	142.0	243.4	492.9	236.6	148.1	119.0	79.8
85°	50.7	47.3	57.5	69.0	81.8	104.8	68.3	70.3	63.6	42.6
87.5°	21.0	18.9	22.3	21.6	18.9	24.3	18.3	21.6	25.7	16.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1186.6
1182.5
1167.7
1151.4
1144.0
1144.0
1148.7
1157.5
1166.3
1170.4
1174.4
1184.6
1207.6
1243.4
1300.9
1380.6
1480.0
1606.5
1755.9
1926.3
2131.1
2379.3
2676.1
3012.8
3352.2
3746.4
4129.7
4310.9
4075.7
3223.1
1826.2
574.0
166.3
86.5
44.6
15.6
0.0

OF REPORT)