

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: P846811

Luminaire Tested: **GLAN-SB2C-840-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846811
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-840-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13472 lumens
Efficiency: N/A
Efficacy: 133.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

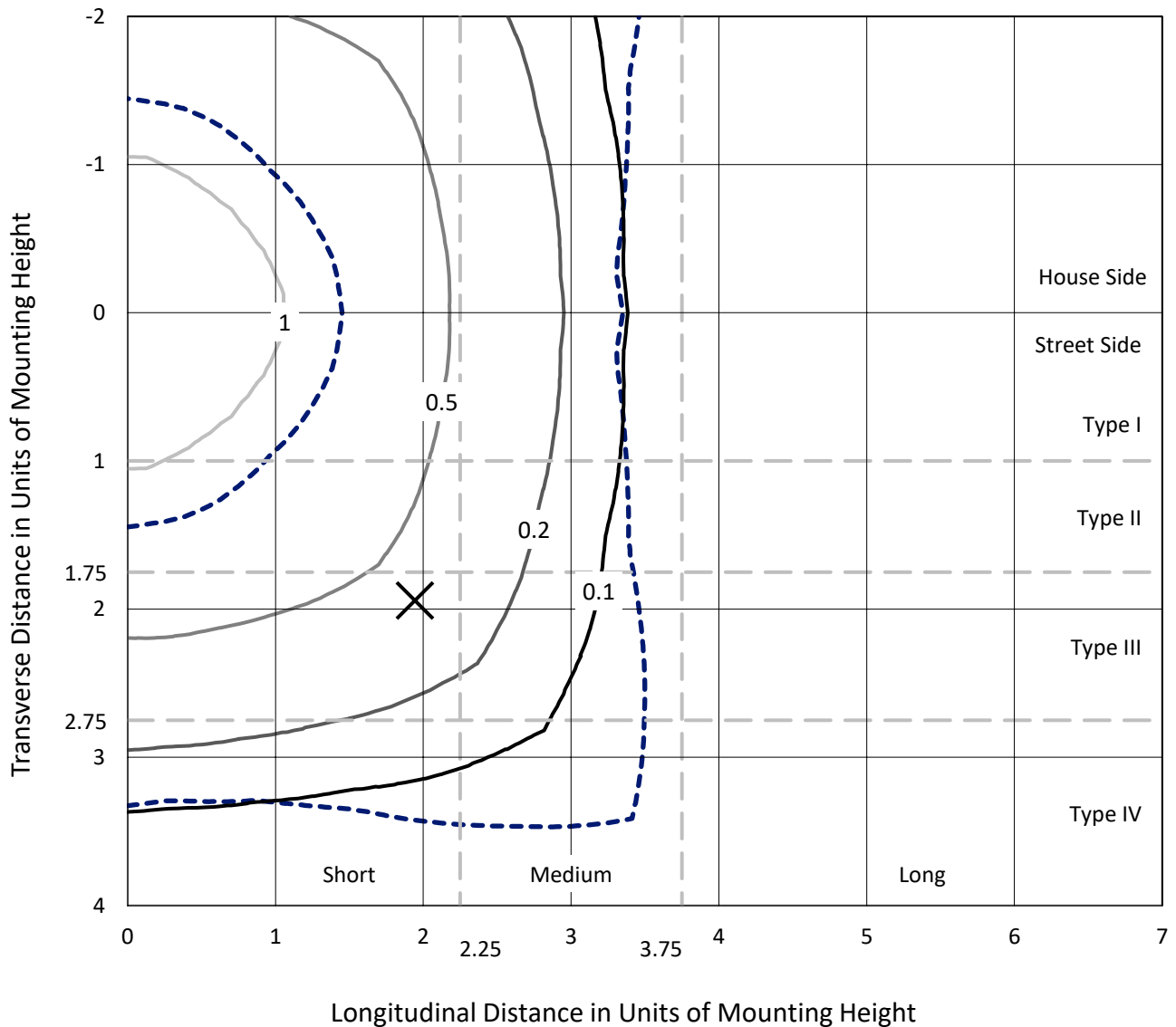
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

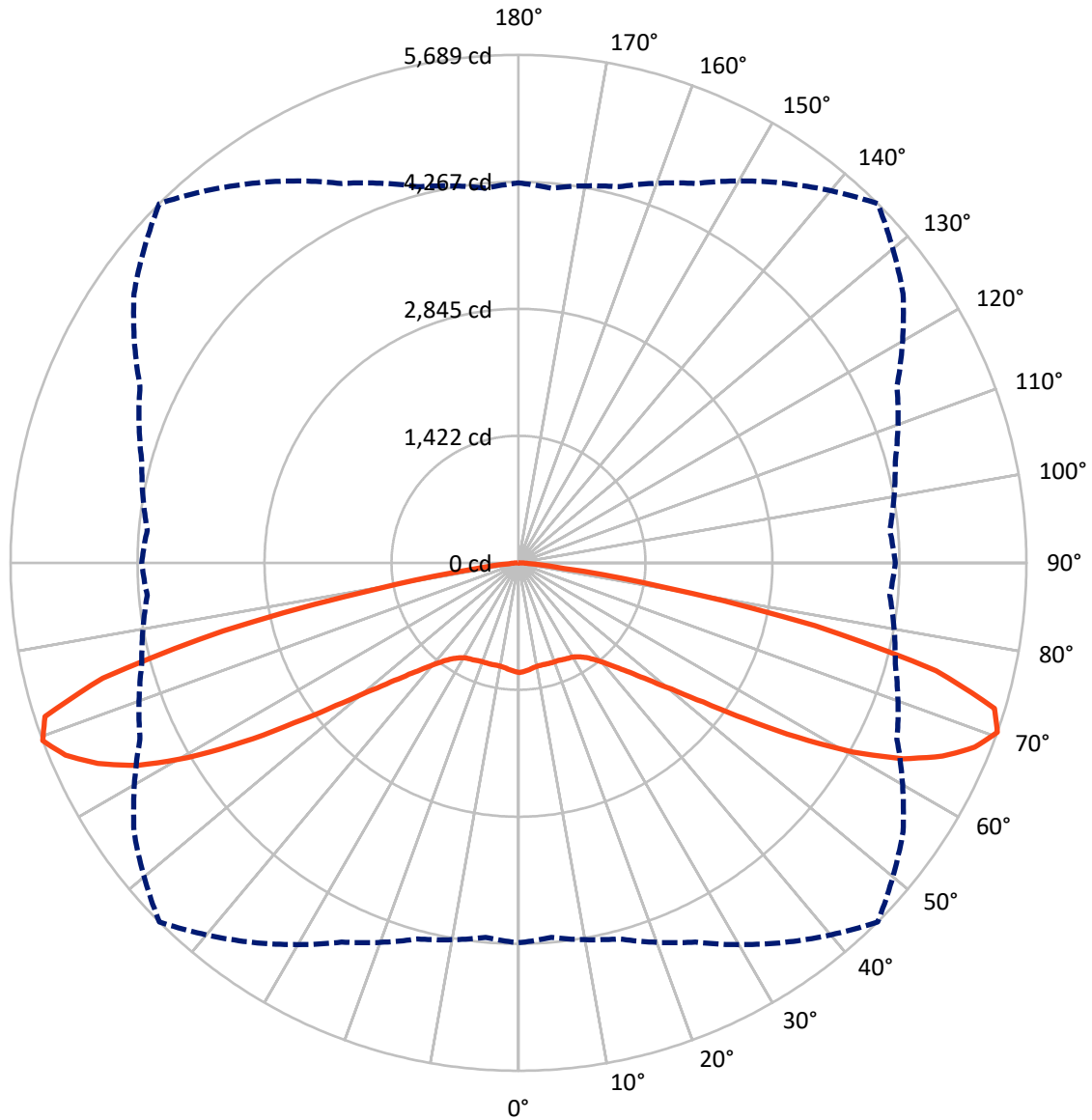
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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	6736.0	0.0	6736.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6736.0	0.0	6736.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13472.0	0.0	13472.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.3	0.8
10°-20°	335.7	2.5
20°-30°	558.6	4.1
30°-40°	844.8	6.3
40°-50°	1403.8	10.4
50°-60°	2648.9	19.7
60°-70°	4472.8	33.2
70°-80°	2939.1	21.8
80°-90°	154.0	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°	13472.0	100.0
0°-180°	13472.0	100.0

Coefficient of Utilization



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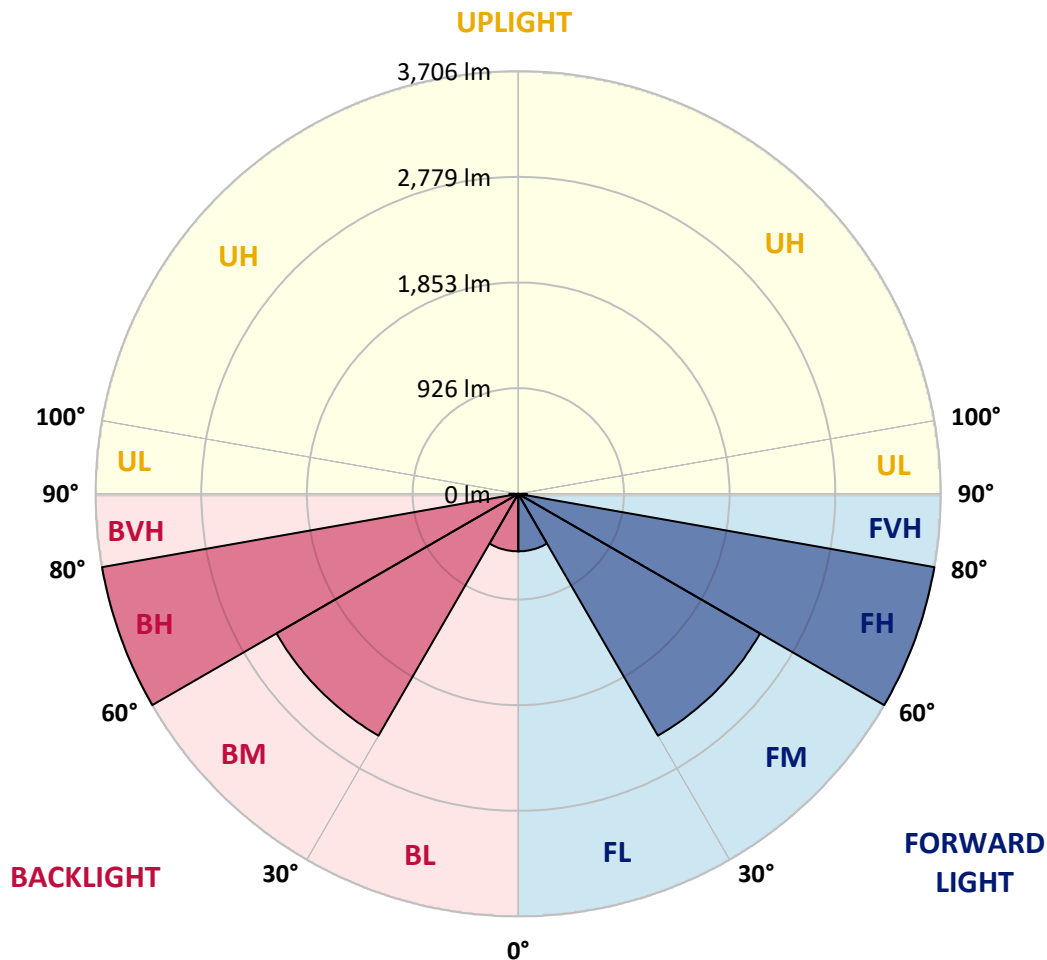
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	504.3	3.7			
FM (30°-60°)	2448.8	18.2			
FH (60°-80°)	3706.0	27.5			G2/5000
FVH (80°-90°)	77.0	0.6			G1/100
BL (0°-30°)	504.3	3.7	B2/1000		
BM (30°-60°)	2448.8	18.2	B2/2500		
BH (60°-80°)	3706.0	27.5	B4/5000		G2/5000
BVH (80°-90°)	77.0	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1228.9	1228.9	1228.9	1228.9	1228.9	1228.9	1228.9	1228.9	1228.9	1228.9
2.5°	1221.2	1224.7	1223.3	1220.5	1220.5	1218.4	1220.5	1221.9	1224.0	1225.4
5°	1205.1	1207.9	1207.2	1205.1	1205.8	1203.7	1205.1	1207.2	1208.6	1209.3
7.5°	1191.1	1193.9	1192.5	1189.0	1189.0	1186.9	1187.6	1189.7	1191.8	1192.5
10°	1187.6	1190.4	1186.2	1180.6	1178.5	1175.7	1176.4	1178.5	1182.7	1184.8
12.5°	1189.0	1191.1	1186.9	1178.5	1176.4	1173.6	1173.6	1175.7	1181.3	1184.1
15°	1193.2	1195.3	1189.0	1179.9	1177.8	1175.7	1175.0	1177.8	1184.1	1189.0
17.5°	1200.9	1203.0	1193.2	1180.6	1177.8	1178.5	1177.8	1179.9	1189.7	1198.8
20°	1207.9	1209.3	1196.0	1180.6	1177.8	1178.5	1177.8	1182.0	1194.6	1207.2
22.5°	1210.0	1211.4	1198.8	1185.5	1183.4	1184.1	1183.4	1187.6	1199.5	1212.1
25°	1210.7	1212.8	1203.0	1192.5	1196.0	1197.4	1196.0	1196.7	1205.8	1217.0
27.5°	1221.2	1224.0	1214.9	1205.8	1207.9	1207.2	1209.3	1211.4	1218.4	1229.6
30°	1242.9	1245.0	1237.3	1228.2	1226.8	1221.9	1228.2	1235.2	1242.9	1252.7
32.5°	1278.6	1282.8	1273.0	1263.2	1256.9	1254.1	1259.0	1270.9	1281.4	1291.9
35°	1338.2	1341.0	1331.9	1313.6	1302.4	1302.4	1306.6	1322.0	1338.9	1352.2
37.5°	1422.2	1425.7	1409.6	1387.9	1371.1	1371.1	1376.7	1392.8	1418.0	1436.9
40°	1524.4	1529.3	1509.0	1486.6	1470.5	1467.7	1474.7	1492.9	1516.7	1540.5
42.5°	1647.7	1653.3	1626.7	1607.0	1594.4	1594.4	1597.9	1614.7	1636.5	1665.9
45°	1805.2	1815.0	1778.6	1759.0	1747.1	1749.9	1752.0	1766.7	1786.3	1819.9
47.5°	1992.9	2002.7	1964.2	1943.9	1941.8	1955.1	1946.7	1957.2	1967.7	2006.2
50°	2205.7	2222.6	2195.9	2194.5	2198.7	2223.3	2203.6	2209.3	2197.3	2221.9
52.5°	2466.2	2490.7	2485.8	2494.2	2541.2	2591.6	2546.8	2527.2	2482.3	2490.0
55°	2782.0	2819.2	2826.2	2876.6	2983.0	3085.9	2990.7	2911.6	2816.4	2798.9
57.5°	3141.3	3170.7	3204.3	3307.2	3506.1	3688.9	3506.1	3331.0	3181.2	3145.5
60°	3527.8	3564.2	3596.4	3748.4	4043.9	4300.9	4038.3	3760.3	3562.1	3513.8
62.5°	3943.0	3990.0	4012.4	4181.1	4525.6	4832.3	4530.5	4193.7	3973.9	3922.0
65°	4341.5	4380.0	4405.2	4585.2	4914.3	5221.7	4936.7	4604.8	4378.6	4310.7
67.5°	4527.0	4548.0	4609.7	4813.4	5160.8	5511.6	5219.6	4835.1	4582.4	4463.3
70°	4255.3	4212.6	4361.1	4687.4	5190.2	5689.4	5257.4	4677.6	4368.1	4174.8
72.5°	3288.3	3214.8	3472.5	4030.6	4854.0	5576.0	4887.7	4062.1	3632.8	3240.7
75°	1789.1	1705.8	2061.5	2767.3	3870.9	4833.0	3959.8	2846.5	2295.4	1775.8
77.5°	504.9	473.4	760.5	1338.9	2328.3	3393.4	2417.9	1368.3	901.9	535.0
80°	154.8	149.9	203.1	403.3	988.7	1625.3	950.2	408.2	258.4	163.2
82.5°	91.7	84.0	100.8	147.0	252.1	510.5	245.1	153.4	123.2	82.6
85°	52.5	49.0	59.5	71.4	84.7	108.5	70.7	72.8	65.8	44.1
87.5°	21.7	19.6	23.1	22.4	19.6	25.2	18.9	22.4	26.6	17.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1228.9
1224.7
1209.3
1192.5
1184.8
1184.8
1189.7
1198.8
1207.9
1212.1
1216.3
1226.8
1250.6
1287.7
1347.3
1429.9
1532.8
1663.8
1818.5
1995.0
2207.2
2464.1
2771.5
3120.3
3471.8
3880.0
4277.1
4464.7
4221.0
3338.0
1891.3
594.5
172.3
89.6
46.2
16.1
0.0

OF REPORT)