

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: P848531

Luminaire Tested: **GLAN-SB5A-927-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848531
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-SB5A-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 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: 14760 lumens
Efficiency: N/A
Efficacy: 104.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

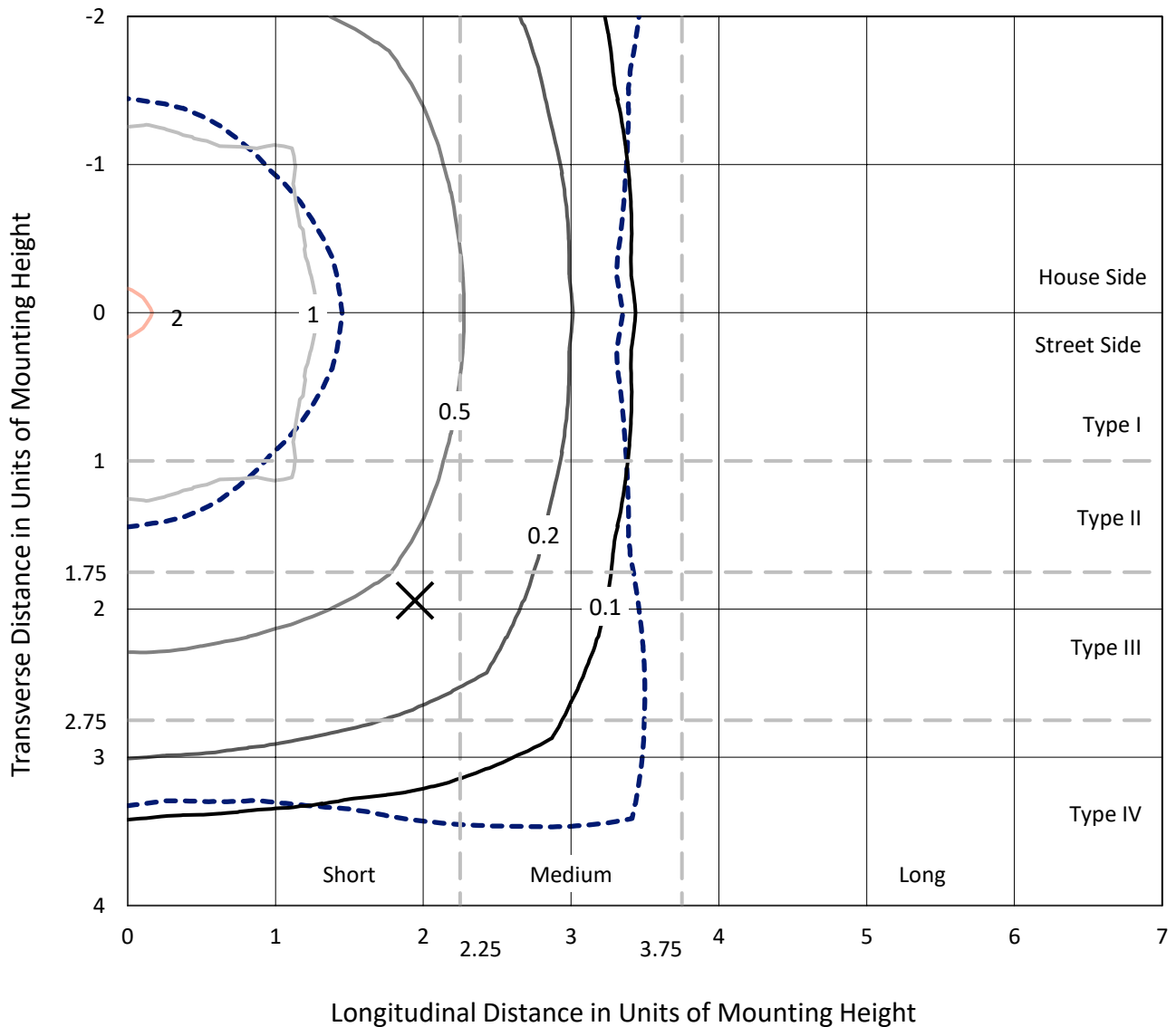
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

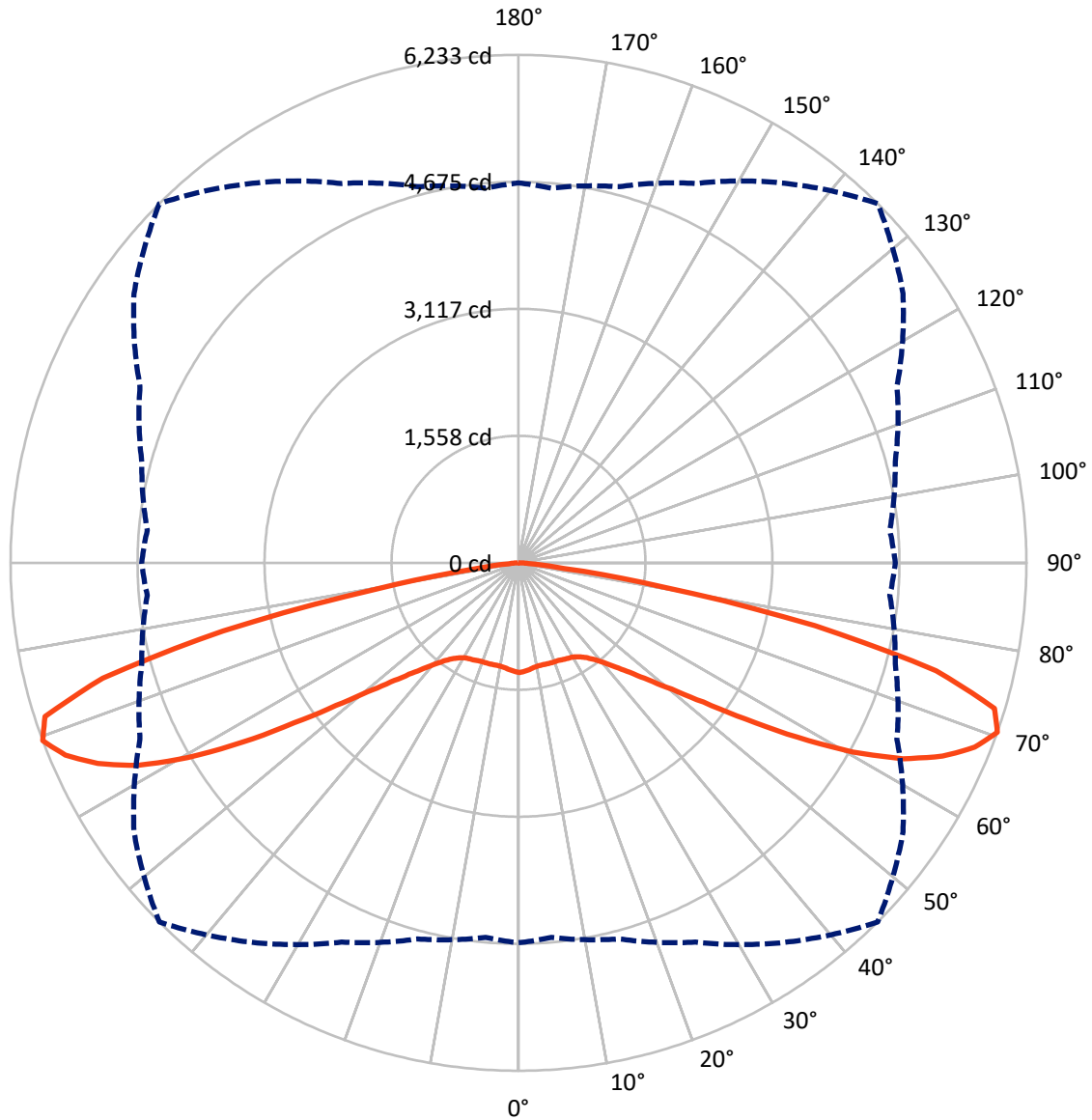
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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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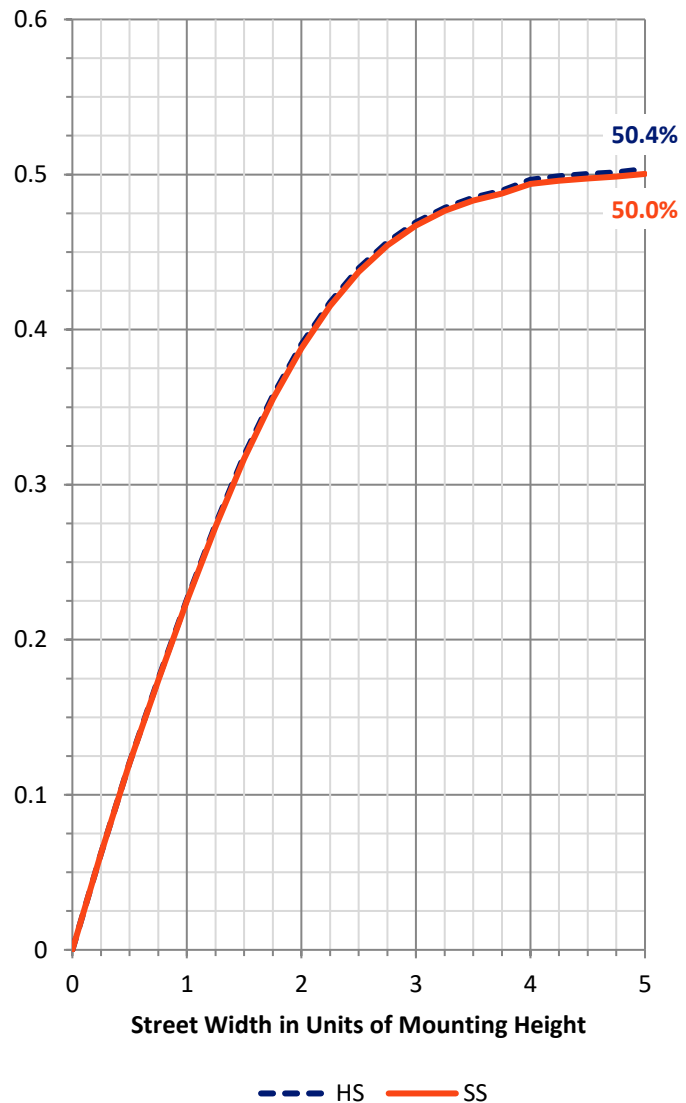
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7380.0	0.0	7380.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7380.0	0.0	7380.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14760.0	0.0	14760.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.2	0.8
10°-20°	367.8	2.5
20°-30°	612.0	4.1
30°-40°	925.5	6.3
40°-50°	1538.0	10.4
50°-60°	2902.2	19.7
60°-70°	4900.5	33.2
70°-80°	3220.1	21.8
80°-90°	168.7	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°	14760.0	100.0
0°-180°	14760.0	100.0

Coefficient of Utilization



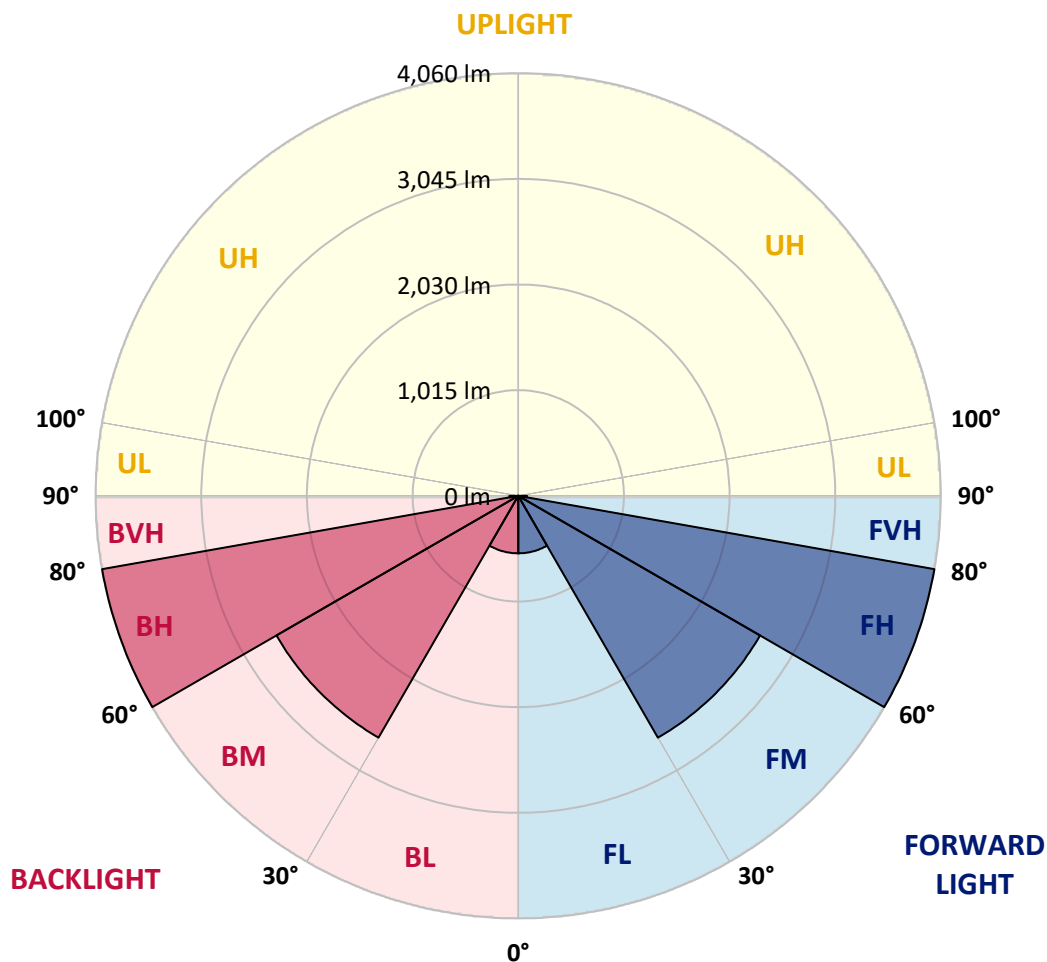
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	552.5	3.7			
FM (30°-60°)	2682.9	18.2			
FH (60°-80°)	4060.3	27.5			G2/5000
FVH (80°-90°)	84.3	0.6			G1/100
BL (0°-30°)	552.5	3.7	B2/1000		
BM (30°-60°)	2682.9	18.2	B3/5000		
BH (60°-80°)	4060.3	27.5	B4/5000		G2/5000
BVH (80°-90°)	84.3	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4
2.5°	1338.0	1341.8	1340.3	1337.2	1337.2	1334.9	1337.2	1338.7	1341.0	1342.6
5°	1320.3	1323.4	1322.6	1320.3	1321.1	1318.8	1320.3	1322.6	1324.2	1324.9
7.5°	1305.0	1308.0	1306.5	1302.7	1302.7	1300.4	1301.1	1303.4	1305.7	1306.5
10°	1301.1	1304.2	1299.6	1293.5	1291.2	1288.1	1288.9	1291.2	1295.8	1298.1
12.5°	1302.7	1305.0	1300.4	1291.2	1288.9	1285.8	1285.8	1288.1	1294.2	1297.3
15°	1307.3	1309.6	1302.7	1292.7	1290.4	1288.1	1287.3	1290.4	1297.3	1302.7
17.5°	1315.7	1318.0	1307.3	1293.5	1290.4	1291.2	1290.4	1292.7	1303.4	1313.4
20°	1323.4	1324.9	1310.4	1293.5	1290.4	1291.2	1290.4	1295.0	1308.8	1322.6
22.5°	1325.7	1327.2	1313.4	1298.8	1296.5	1297.3	1296.5	1301.1	1314.2	1328.0
25°	1326.5	1328.8	1318.0	1306.5	1310.4	1311.9	1310.4	1311.1	1321.1	1333.4
27.5°	1338.0	1341.0	1331.1	1321.1	1323.4	1322.6	1324.9	1327.2	1334.9	1347.2
30°	1361.8	1364.1	1355.6	1345.6	1344.1	1338.7	1345.6	1353.3	1361.8	1372.5
32.5°	1400.9	1405.5	1394.7	1384.0	1377.1	1374.0	1379.4	1392.4	1403.9	1415.5
35°	1466.1	1469.2	1459.2	1439.2	1427.0	1427.0	1431.6	1448.4	1466.9	1481.4
37.5°	1558.2	1562.0	1544.3	1520.6	1502.1	1502.1	1508.3	1525.9	1553.5	1574.3
40°	1670.2	1675.5	1653.3	1628.7	1611.1	1608.0	1615.7	1635.6	1661.7	1687.8
42.5°	1805.2	1811.3	1782.2	1760.7	1746.9	1746.9	1750.7	1769.1	1792.9	1825.1
45°	1977.8	1988.5	1948.6	1927.2	1914.1	1917.2	1919.5	1935.6	1957.1	1993.9
47.5°	2183.4	2194.1	2152.0	2129.7	2127.4	2142.0	2132.8	2144.3	2155.8	2198.0
50°	2416.6	2435.0	2405.9	2404.4	2409.0	2435.8	2414.3	2420.5	2407.4	2434.3
52.5°	2702.0	2728.9	2723.5	2732.7	2784.1	2839.4	2790.3	2768.8	2719.7	2728.1
55°	3048.0	3088.7	3096.4	3151.6	3268.2	3381.0	3276.6	3190.0	3085.6	3066.4
57.5°	3441.6	3473.8	3510.6	3623.4	3841.3	4041.5	3841.3	3649.5	3485.3	3446.2
60°	3865.1	3905.0	3940.3	4106.7	4430.5	4712.0	4424.4	4119.8	3902.7	3849.7
62.5°	4320.0	4371.4	4396.0	4580.9	4958.3	5294.3	4963.7	4594.7	4353.8	4297.0
65°	4756.5	4798.7	4826.4	5023.5	5384.1	5720.9	5408.7	5045.0	4797.2	4722.8
67.5°	4959.8	4982.9	5050.4	5273.6	5654.2	6038.5	5718.6	5297.4	5020.5	4890.0
70°	4662.2	4615.4	4778.0	5135.5	5686.4	6233.4	5760.0	5124.8	4785.7	4574.0
72.5°	3602.7	3522.1	3804.5	4415.9	5318.1	6109.1	5354.9	4450.4	3980.2	3550.5
75°	1960.2	1868.9	2258.6	3031.9	4241.0	5295.1	4338.4	3118.6	2514.8	1945.6
77.5°	553.1	518.6	833.2	1466.9	2550.9	3717.8	2649.1	1499.1	988.1	586.1
80°	169.5	164.2	222.5	441.9	1083.3	1780.6	1041.1	447.3	283.1	178.8
82.5°	100.5	92.1	110.5	161.1	276.2	559.3	268.5	168.0	135.0	90.5
85°	57.5	53.7	65.2	78.3	92.8	118.9	77.5	79.8	72.1	48.3
87.5°	23.8	21.5	25.3	24.5	21.5	27.6	20.7	24.5	29.2	19.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1346.4
1341.8
1324.9
1306.5
1298.1
1298.1
1303.4
1313.4
1323.4
1328.0
1332.6
1344.1
1370.2
1410.9
1476.1
1566.6
1679.4
1822.8
1992.4
2185.7
2418.2
2699.7
3036.5
3418.6
3803.7
4251.0
4686.0
4891.6
4624.6
3657.2
2072.2
651.3
188.7
98.2
50.6
17.6
0.0

OF REPORT)