

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: P847311

Luminaire Tested: **GLAN-SB3B-835-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847311  
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-SB3B-835-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14150 lumens  
Efficiency: N/A  
Efficacy: 129.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

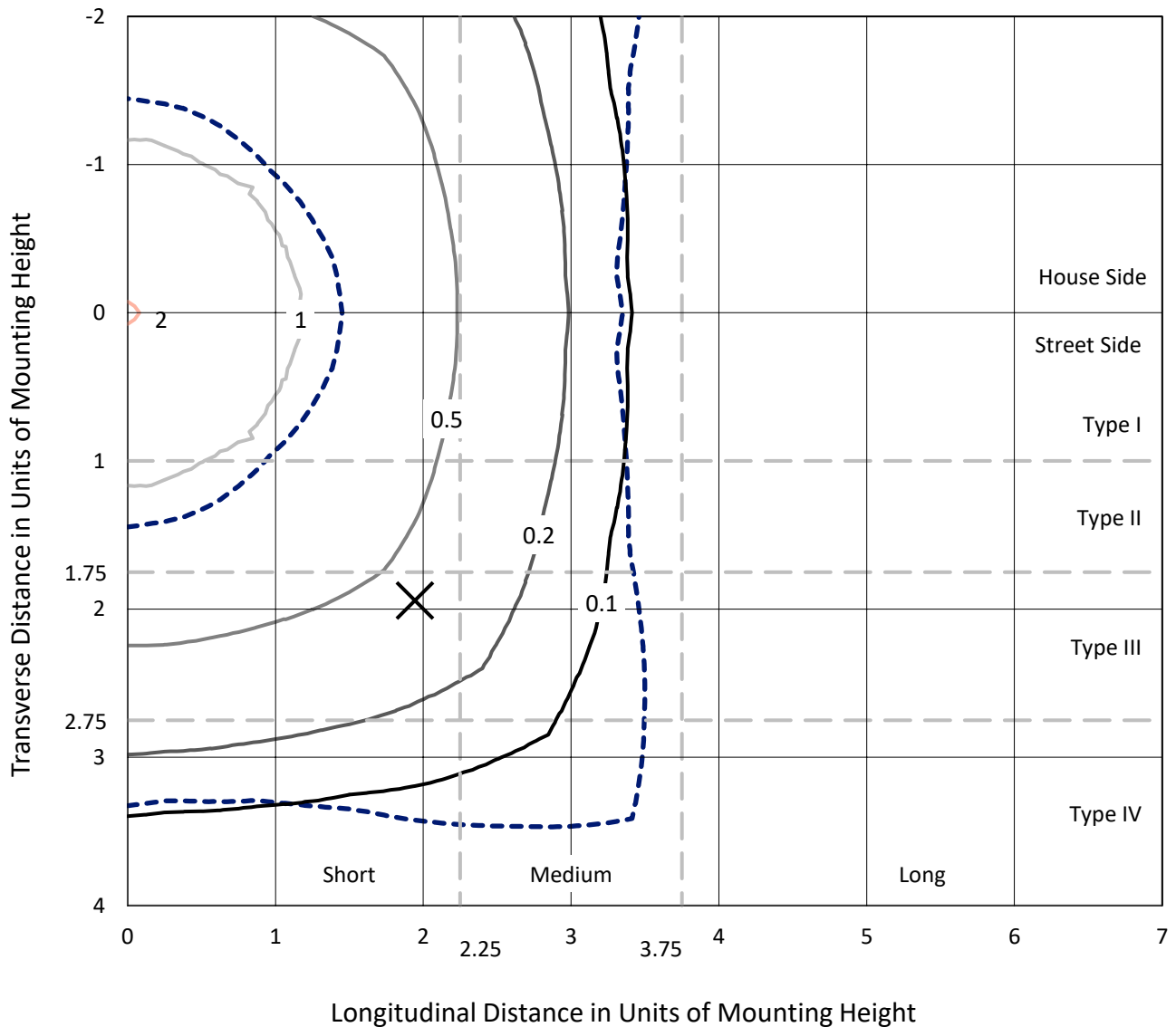
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

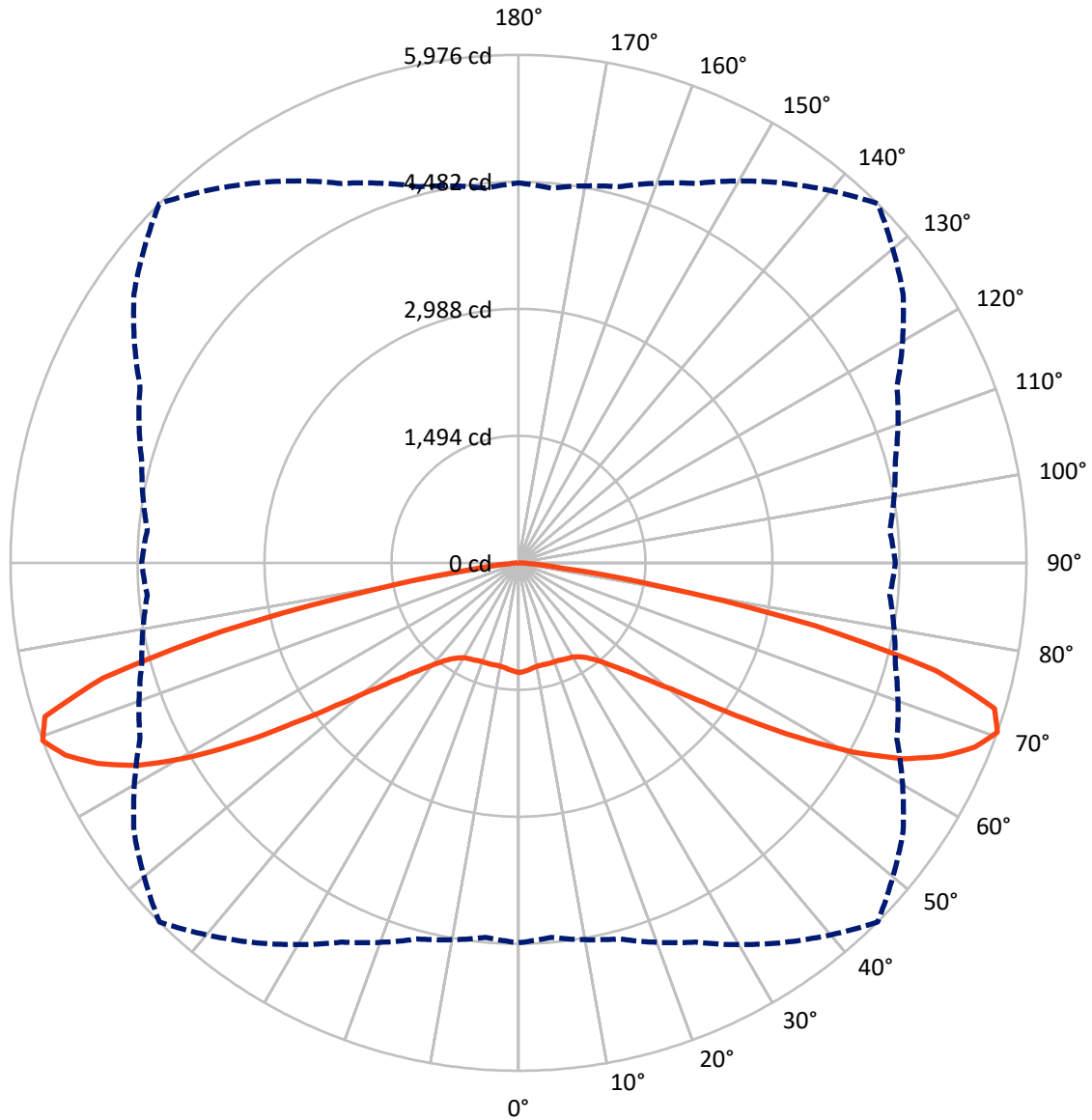
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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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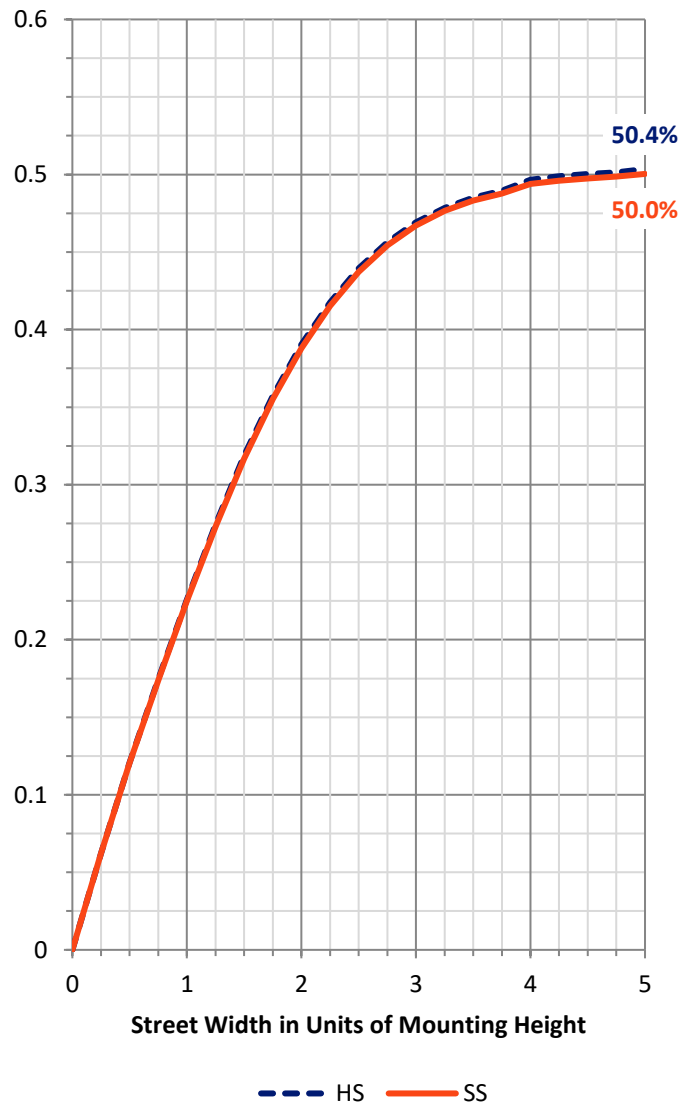
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7075.0	0.0	7075.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7075.0	0.0	7075.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14150.0	0.0	14150.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.1	0.8
10°-20°	352.6	2.5
20°-30°	586.7	4.1
30°-40°	887.3	6.3
40°-50°	1474.5	10.4
50°-60°	2782.2	19.7
60°-70°	4697.9	33.2
70°-80°	3087.0	21.8
80°-90°	161.7	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°	14150.0	100.0
0°-180°	14150.0	100.0

**Coefficient of Utilization**



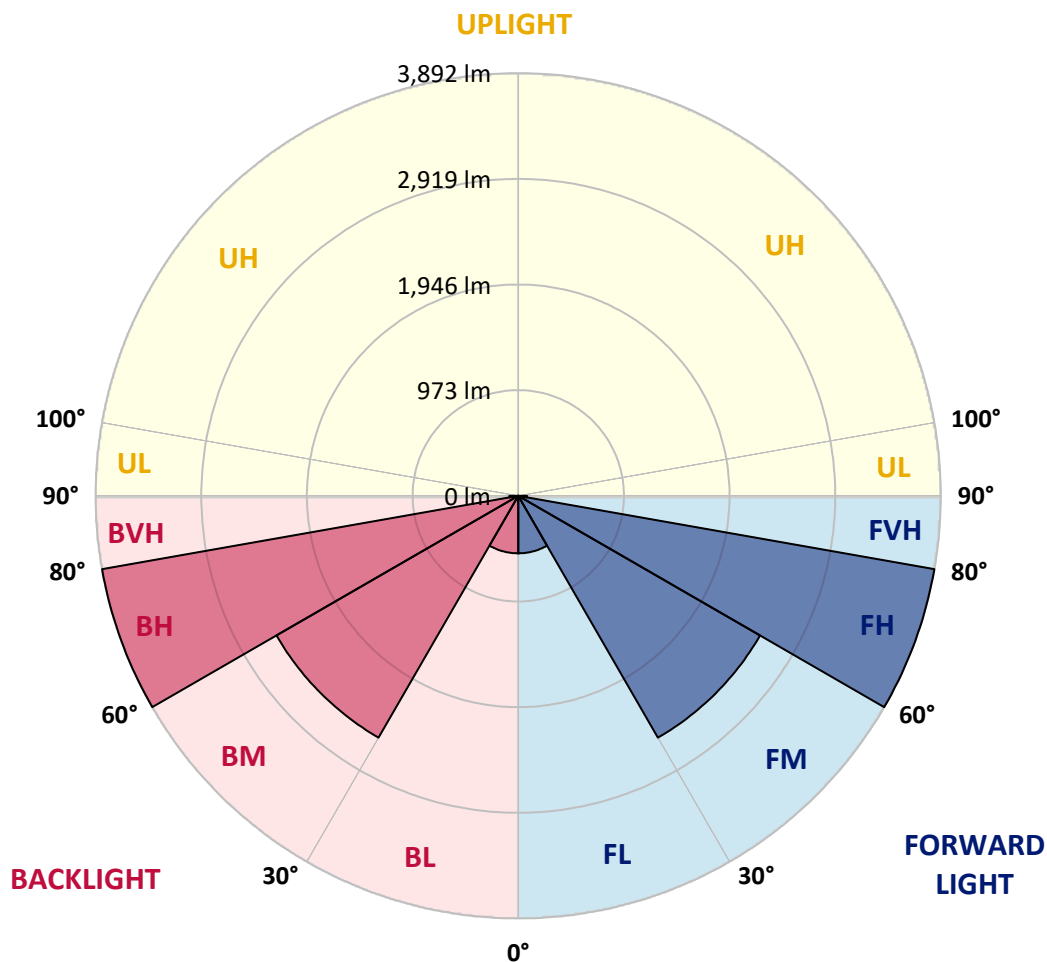
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	529.7	3.7			
FM (30°-60°)	2572.0	18.2			
FH (60°-80°)	3892.5	27.5			G2/5000
FVH (80°-90°)	80.9	0.6			G1/100
BL (0°-30°)	529.7	3.7	B2/1000		
BM (30°-60°)	2572.0	18.2	B3/5000		
BH (60°-80°)	3892.5	27.5	B4/5000		G2/5000
BVH (80°-90°)	80.9	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°	1290.8	1290.8	1290.8	1290.8	1290.8	1290.8	1290.8	1290.8	1290.8	1290.8
2.5°	1282.7	1286.4	1284.9	1281.9	1281.9	1279.7	1281.9	1283.4	1285.6	1287.1
5°	1265.8	1268.7	1268.0	1265.8	1266.5	1264.3	1265.8	1268.0	1269.4	1270.2
7.5°	1251.0	1254.0	1252.5	1248.8	1248.8	1246.6	1247.4	1249.6	1251.8	1252.5
10°	1247.4	1250.3	1245.9	1240.0	1237.8	1234.9	1235.6	1237.8	1242.2	1244.4
12.5°	1248.8	1251.0	1246.6	1237.8	1235.6	1232.7	1232.7	1234.9	1240.8	1243.7
15°	1253.3	1255.5	1248.8	1239.3	1237.1	1234.9	1234.1	1237.1	1243.7	1248.8
17.5°	1261.3	1263.6	1253.3	1240.0	1237.1	1237.8	1237.1	1239.3	1249.6	1259.1
20°	1268.7	1270.2	1256.2	1240.0	1237.1	1237.8	1237.1	1241.5	1254.7	1268.0
22.5°	1270.9	1272.4	1259.1	1245.2	1243.0	1243.7	1243.0	1247.4	1259.9	1273.1
25°	1271.6	1273.8	1263.6	1252.5	1256.2	1257.7	1256.2	1256.9	1266.5	1278.3
27.5°	1282.7	1285.6	1276.1	1266.5	1268.7	1268.0	1270.2	1272.4	1279.7	1291.5
30°	1305.5	1307.7	1299.6	1290.0	1288.6	1283.4	1290.0	1297.4	1305.5	1315.8
32.5°	1343.0	1347.4	1337.1	1326.8	1320.2	1317.2	1322.4	1334.9	1345.9	1357.0
35°	1405.5	1408.4	1398.9	1379.8	1368.0	1368.0	1372.4	1388.6	1406.2	1420.2
37.5°	1493.8	1497.4	1480.5	1457.7	1440.1	1440.1	1446.0	1462.9	1489.3	1509.2
40°	1601.1	1606.3	1585.0	1561.4	1544.5	1541.6	1548.9	1568.0	1593.0	1618.1
42.5°	1730.6	1736.5	1708.5	1687.9	1674.7	1674.7	1678.4	1696.0	1718.8	1749.7
45°	1896.1	1906.4	1868.1	1847.5	1835.0	1838.0	1840.2	1855.6	1876.2	1911.5
47.5°	2093.2	2103.5	2063.0	2041.7	2039.5	2053.5	2044.6	2055.7	2066.7	2107.1
50°	2316.8	2334.4	2306.5	2305.0	2309.4	2335.1	2314.6	2320.4	2307.9	2333.7
52.5°	2590.4	2616.1	2610.9	2619.8	2669.1	2722.0	2674.9	2654.3	2607.3	2615.4
55°	2922.1	2961.0	2968.4	3021.3	3133.1	3241.3	3141.2	3058.1	2958.1	2939.7
57.5°	3299.4	3330.2	3365.5	3473.7	3682.5	3874.5	3682.5	3498.7	3341.3	3303.8
60°	3705.3	3743.6	3777.4	3937.0	4247.4	4517.3	4241.5	3949.5	3741.4	3690.6
62.5°	4141.5	4190.8	4214.3	4391.5	4753.4	5075.5	4758.5	4404.8	4173.8	4119.4
65°	4560.0	4600.4	4626.9	4815.9	5161.6	5484.5	5185.1	4836.5	4598.9	4527.6
67.5°	4754.9	4776.9	4841.7	5055.7	5420.5	5789.0	5482.3	5078.5	4813.0	4687.9
70°	4469.5	4424.6	4580.6	4923.3	5451.4	5975.8	5522.0	4913.0	4587.9	4384.9
72.5°	3453.8	3376.6	3647.2	4233.4	5098.3	5856.6	5133.6	4266.5	3815.7	3403.8
75°	1879.1	1791.6	2165.2	2906.6	4065.7	5076.3	4159.1	2989.7	2410.9	1865.2
77.5°	530.3	497.2	798.7	1406.2	2445.5	3564.1	2539.6	1437.1	947.3	561.9
80°	162.5	157.4	213.3	423.6	1038.5	1707.0	998.0	428.8	271.4	171.4
82.5°	96.3	88.3	105.9	154.5	264.8	536.2	257.4	161.1	129.4	86.8
85°	55.2	51.5	62.5	75.0	89.0	114.0	74.3	76.5	69.1	46.3
87.5°	22.8	20.6	24.3	23.5	20.6	26.5	19.9	23.5	27.9	18.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1290.8
1286.4
1270.2
1252.5
1244.4
1244.4
1249.6
1259.1
1268.7
1273.1
1277.5
1288.6
1313.6
1352.5
1415.1
1501.8
1610.0
1747.5
1910.0
2095.4
2318.2
2588.1
2911.0
3277.3
3646.5
4075.3
4492.3
4689.4
4433.5
3506.0
1986.5
624.4
180.9
94.1
48.5
16.9
0.0

OF REPORT)