

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: P847001

Luminaire Tested: **GLAN-SB2D-927-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847001  
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-SB2D-927-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13256 lumens  
Efficiency: N/A  
Efficacy: 89.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

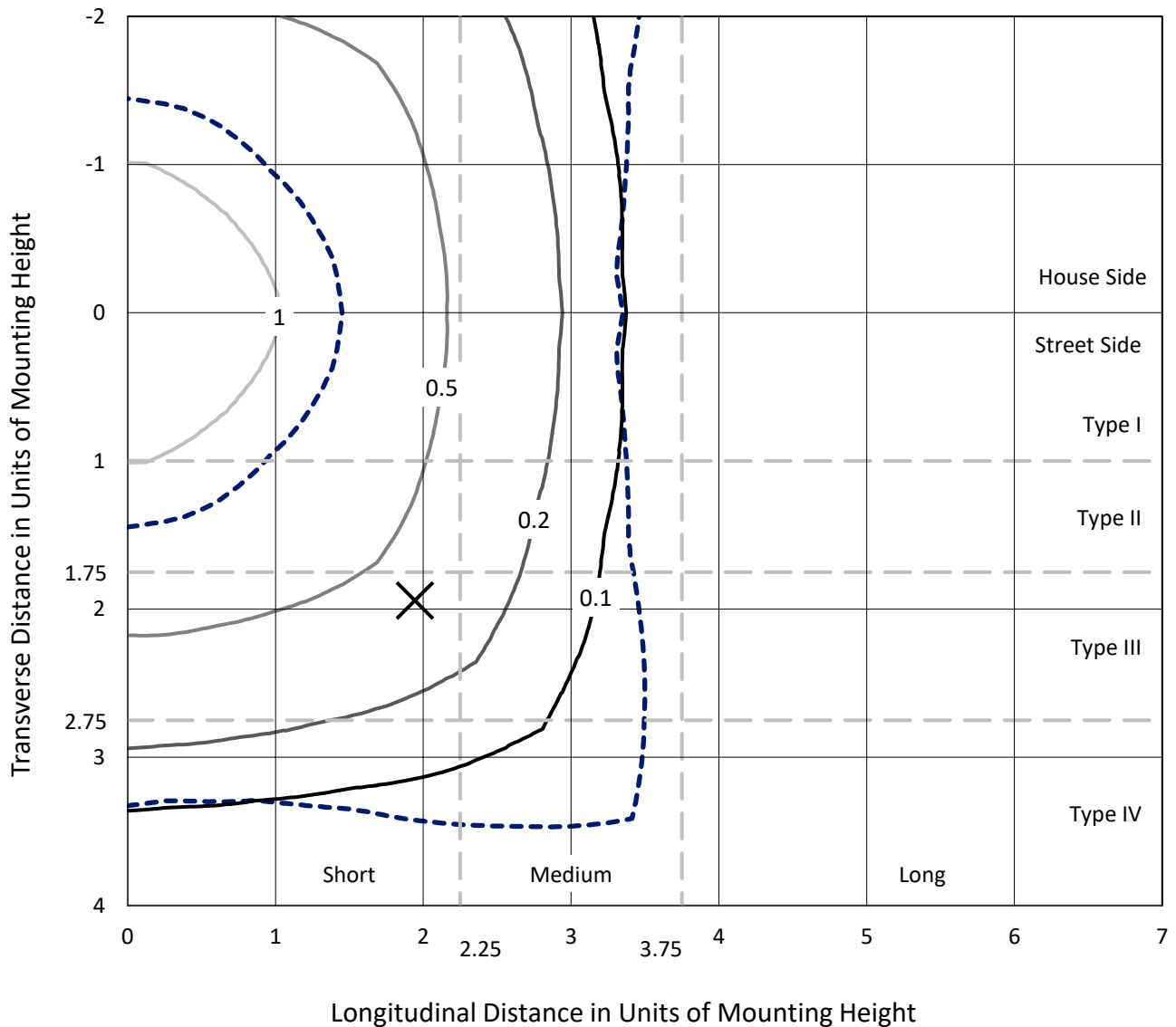
Input Watts (W): 147.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

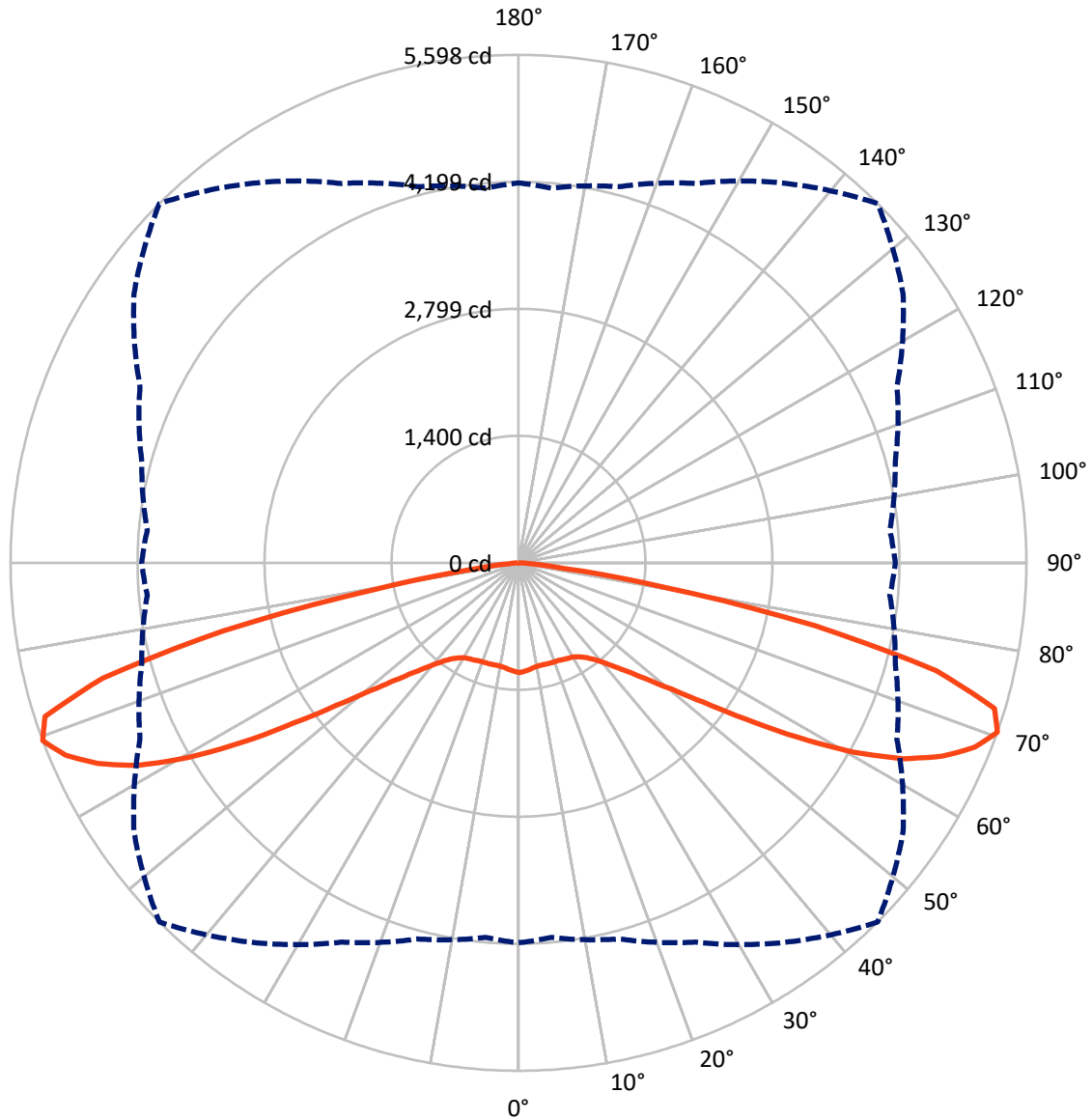
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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	6628.0	0.0	6628.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6628.0	0.0	6628.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13256.0	0.0	13256.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.5	0.8
10°-20°	330.3	2.5
20°-30°	549.6	4.1
30°-40°	831.2	6.3
40°-50°	1381.3	10.4
50°-60°	2606.5	19.7
60°-70°	4401.1	33.2
70°-80°	2892.0	21.8
80°-90°	151.5	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°	13256.0	100.0
0°-180°	13256.0	100.0

**Coefficient of Utilization**



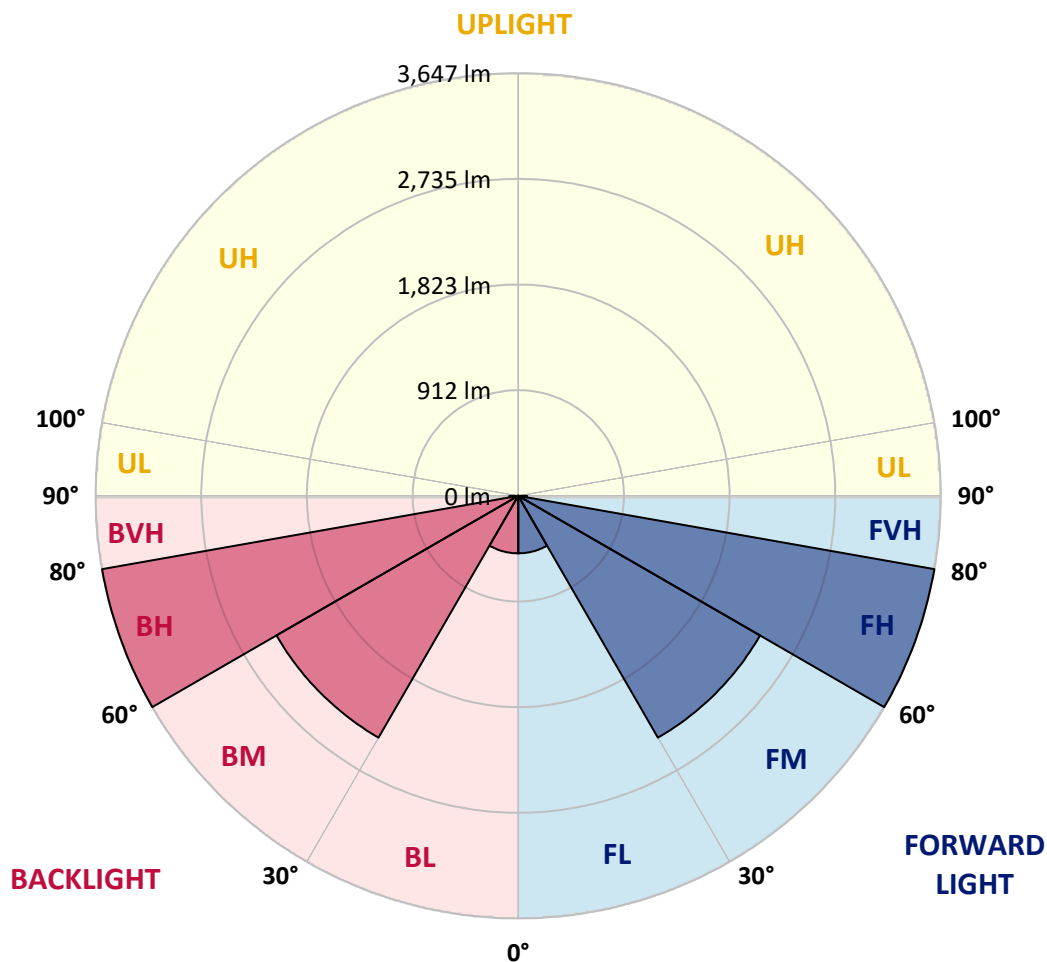
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	496.2	3.7			
FM (30°-60°)	2409.5	18.2			
FH (60°-80°)	3646.5	27.5			G2/5000
FVH (80°-90°)	75.8	0.6			G1/100
BL (0°-30°)	496.2	3.7	B1/500		
BM (30°-60°)	2409.5	18.2	B2/2500		
BH (60°-80°)	3646.5	27.5	B4/5000		G2/5000
BVH (80°-90°)	75.8	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



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2
2.5°	1201.6	1205.1	1203.7	1200.9	1200.9	1198.9	1200.9	1202.3	1204.4	1205.8
5°	1185.8	1188.5	1187.9	1185.8	1186.5	1184.4	1185.8	1187.9	1189.2	1189.9
7.5°	1172.0	1174.8	1173.4	1169.9	1169.9	1167.9	1168.6	1170.6	1172.7	1173.4
10°	1168.6	1171.3	1167.2	1161.7	1159.6	1156.8	1157.5	1159.6	1163.7	1165.8
12.5°	1169.9	1172.0	1167.9	1159.6	1157.5	1154.8	1154.8	1156.8	1162.4	1165.1
15°	1174.1	1176.1	1169.9	1161.0	1158.9	1156.8	1156.2	1158.9	1165.1	1169.9
17.5°	1181.7	1183.7	1174.1	1161.7	1158.9	1159.6	1158.9	1161.0	1170.6	1179.6
20°	1188.5	1189.9	1176.8	1161.7	1158.9	1159.6	1158.9	1163.1	1175.5	1187.9
22.5°	1190.6	1192.0	1179.6	1166.5	1164.4	1165.1	1164.4	1168.6	1180.3	1192.7
25°	1191.3	1193.4	1183.7	1173.4	1176.8	1178.2	1176.8	1177.5	1186.5	1197.5
27.5°	1201.6	1204.4	1195.4	1186.5	1188.5	1187.9	1189.9	1192.0	1198.9	1209.9
30°	1223.0	1225.1	1217.5	1208.5	1207.1	1202.3	1208.5	1215.4	1223.0	1232.6
32.5°	1258.1	1262.3	1252.6	1243.0	1236.8	1234.0	1238.8	1250.6	1260.9	1271.2
35°	1316.7	1319.5	1310.5	1292.6	1281.6	1281.6	1285.7	1300.9	1317.4	1330.5
37.5°	1399.4	1402.8	1387.0	1365.6	1349.1	1349.1	1354.6	1370.4	1395.2	1413.9
40°	1500.0	1504.8	1484.8	1462.8	1446.9	1444.2	1451.1	1469.0	1492.4	1515.8
42.5°	1621.2	1626.8	1600.6	1581.3	1568.9	1568.9	1572.3	1588.9	1610.2	1639.2
45°	1776.3	1785.9	1750.1	1730.8	1719.1	1721.8	1723.9	1738.4	1757.7	1790.7
47.5°	1960.9	1970.6	1932.7	1912.7	1910.6	1923.7	1915.5	1925.8	1936.1	1974.0
50°	2170.4	2186.9	2160.7	2159.4	2163.5	2187.6	2168.3	2173.8	2162.1	2186.2
52.5°	2426.7	2450.8	2446.0	2454.3	2500.4	2550.0	2505.9	2486.6	2442.5	2450.1
55°	2737.4	2774.0	2780.8	2830.5	2935.2	3036.5	2942.8	2864.9	2771.2	2754.0
57.5°	3090.9	3119.8	3152.9	3254.2	3449.9	3629.7	3449.9	3277.6	3130.2	3095.0
60°	3471.2	3507.1	3538.8	3688.3	3979.0	4231.9	3973.5	3700.0	3505.0	3457.5
62.5°	3879.8	3926.0	3948.0	4114.1	4453.1	4754.9	4457.9	4126.5	3910.1	3859.1
65°	4271.9	4309.8	4334.6	4511.6	4835.5	5138.0	4857.5	4530.9	4308.4	4241.6
67.5°	4454.5	4475.1	4535.8	4736.3	5078.0	5423.2	5135.9	4757.6	4508.9	4391.8
70°	4187.1	4145.1	4291.2	4612.2	5106.9	5598.2	5173.1	4602.6	4298.0	4107.9
72.5°	3235.6	3163.2	3416.8	3965.9	4776.2	5486.6	4809.3	3997.0	3574.6	3188.7
75°	1760.4	1678.4	2028.4	2723.0	3808.9	4755.6	3896.4	2800.8	2258.6	1747.3
77.5°	496.8	465.8	748.3	1317.4	2291.0	3338.9	2379.2	1346.3	887.4	526.4
80°	152.3	147.4	199.8	396.9	972.9	1599.2	935.0	401.7	254.2	160.5
82.5°	90.3	82.7	99.2	144.7	248.0	502.3	241.2	150.9	121.3	81.3
85°	51.7	48.2	58.6	70.3	83.4	106.8	69.6	71.7	64.8	43.4
87.5°	21.4	19.3	22.7	22.0	19.3	24.8	18.6	22.0	26.2	17.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1209.2
1205.1
1189.9
1173.4
1165.8
1165.8
1170.6
1179.6
1188.5
1192.7
1196.8
1207.1
1230.6
1267.1
1325.7
1407.0
1508.2
1637.1
1789.4
1963.0
2171.8
2424.6
2727.1
3070.2
3416.1
3817.8
4208.5
4393.1
4153.4
3284.5
1861.0
585.0
169.5
88.2
45.5
15.8
0.0

OF REPORT)