

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: P846801

Luminaire Tested: **GLAN-SB2C-835-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846801  
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-835-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12543 lumens  
Efficiency: N/A  
Efficacy: 124.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

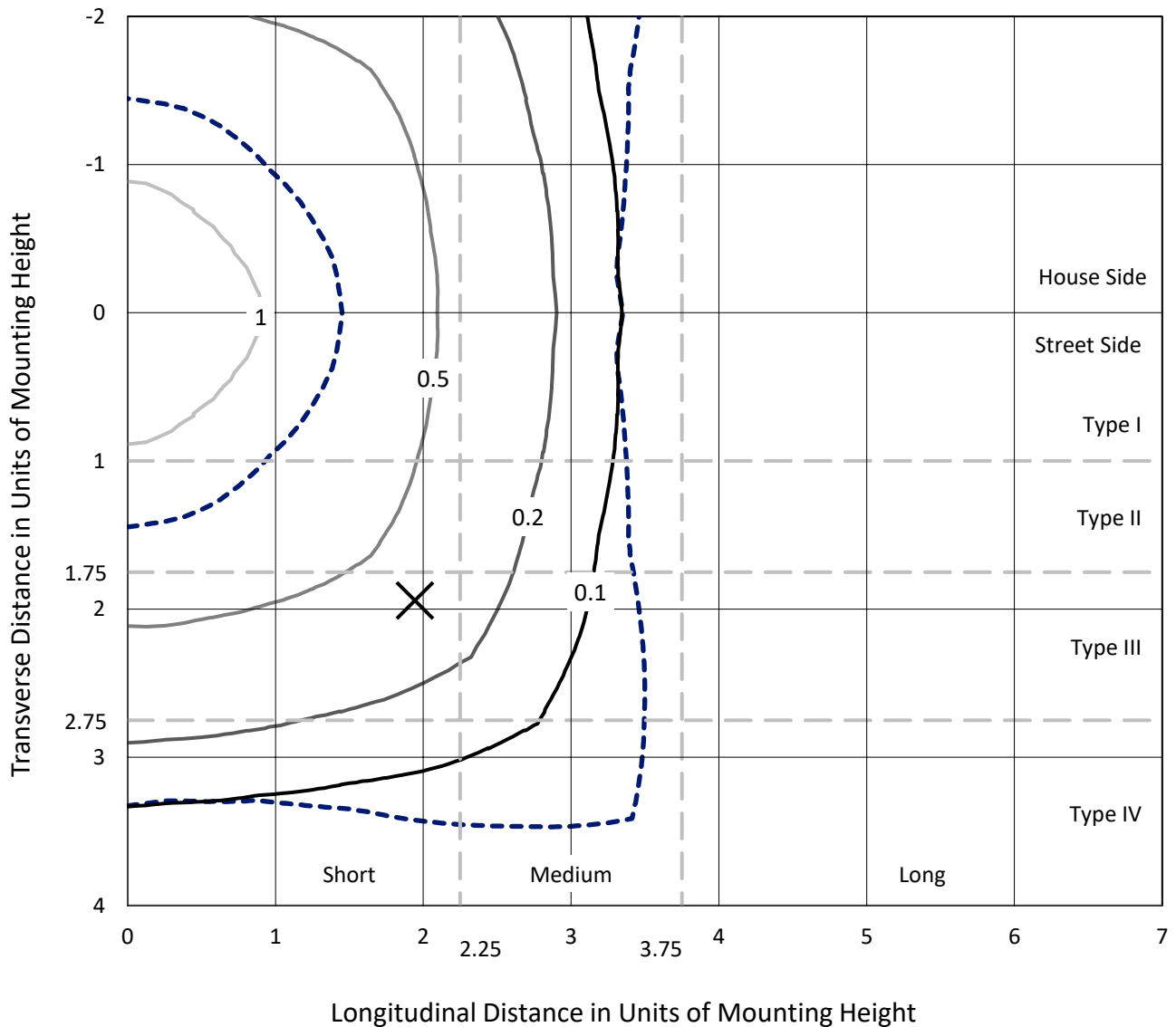
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

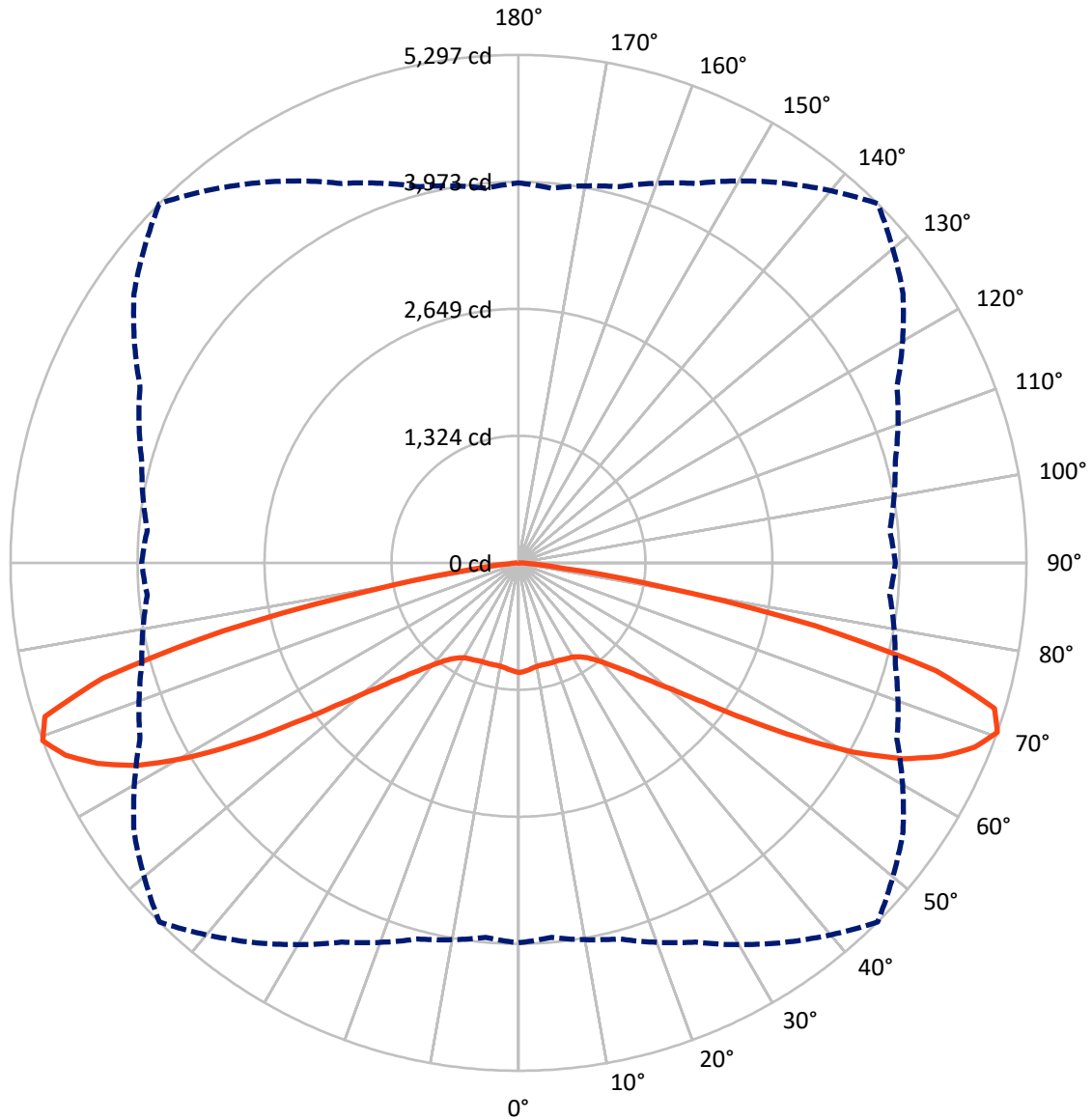
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 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	6271.5	0.0	6271.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6271.5	0.0	6271.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12543.0	0.0	12543.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.4	0.8
10°-20°	312.5	2.5
20°-30°	520.1	4.1
30°-40°	786.5	6.3
40°-50°	1307.0	10.4
50°-60°	2466.3	19.7
60°-70°	4164.4	33.2
70°-80°	2736.4	21.8
80°-90°	143.4	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°	12543.0	100.0
0°-180°	12543.0	100.0

**Coefficient of Utilization**

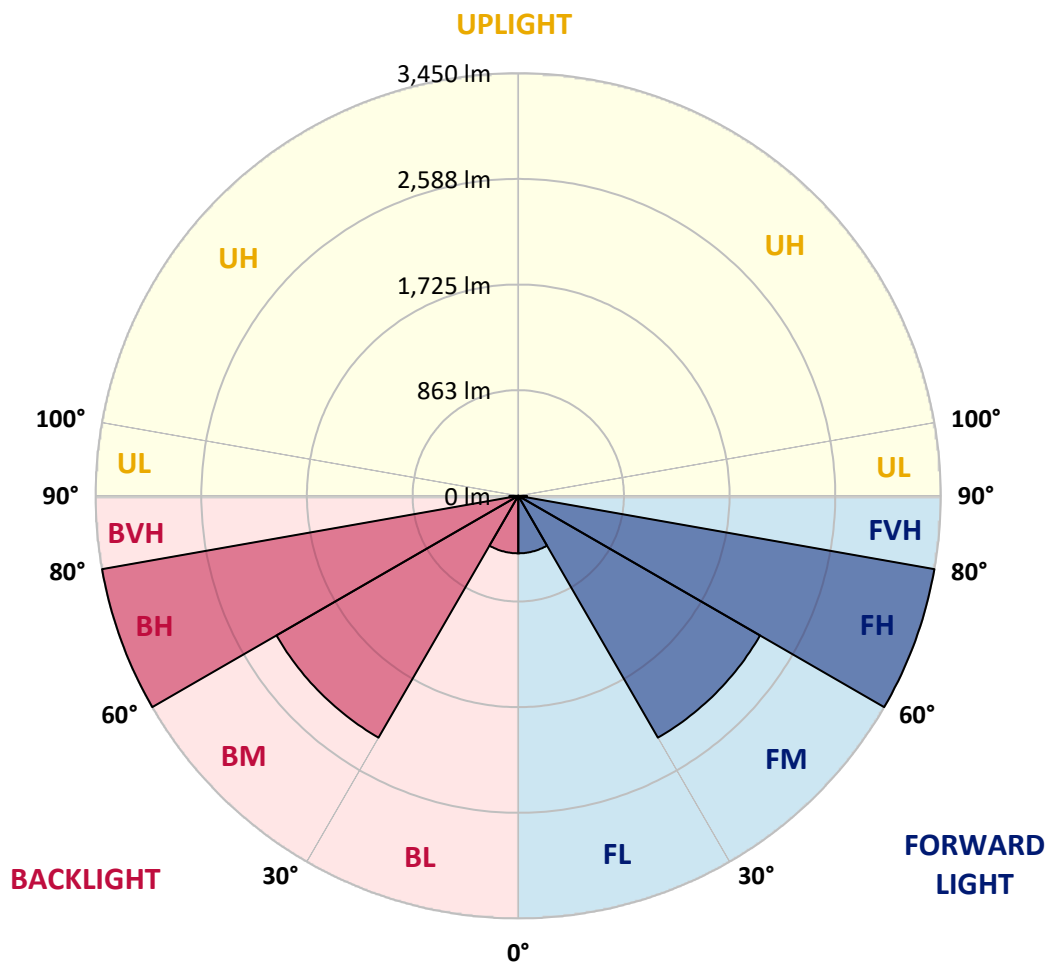


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	469.5	3.7			
FM (30°-60°)	2279.9	18.2			
FH (60°-80°)	3450.4	27.5			G2/5000
FVH (80°-90°)	71.7	0.6			G1/100
BL (0°-30°)	469.5	3.7	B1/500		
BM (30°-60°)	2279.9	18.2	B2/2500		
BH (60°-80°)	3450.4	27.5	B4/5000		G2/5000
BVH (80°-90°)	71.7	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°	1144.2	1144.2	1144.2	1144.2	1144.2	1144.2	1144.2	1144.2	1144.2	1144.2
2.5°	1137.0	1140.3	1139.0	1136.4	1136.4	1134.4	1136.4	1137.7	1139.6	1140.9
5°	1122.0	1124.6	1124.0	1122.0	1122.7	1120.7	1122.0	1124.0	1125.3	1125.9
7.5°	1109.0	1111.6	1110.3	1107.0	1107.0	1105.1	1105.7	1107.7	1109.6	1110.3
10°	1105.7	1108.3	1104.4	1099.2	1097.2	1094.6	1095.3	1097.2	1101.1	1103.1
12.5°	1107.0	1109.0	1105.1	1097.2	1095.3	1092.7	1092.7	1094.6	1099.8	1102.4
15°	1110.9	1112.9	1107.0	1098.5	1096.6	1094.6	1094.0	1096.6	1102.4	1107.0
17.5°	1118.1	1120.1	1110.9	1099.2	1096.6	1097.2	1096.6	1098.5	1107.7	1116.1
20°	1124.6	1125.9	1113.5	1099.2	1096.6	1097.2	1096.6	1100.5	1112.2	1124.0
22.5°	1126.6	1127.9	1116.1	1103.8	1101.8	1102.4	1101.8	1105.7	1116.8	1128.5
25°	1127.2	1129.2	1120.1	1110.3	1113.5	1114.8	1113.5	1114.2	1122.7	1133.1
27.5°	1137.0	1139.6	1131.1	1122.7	1124.6	1124.0	1125.9	1127.9	1134.4	1144.8
30°	1157.2	1159.2	1152.0	1143.5	1142.2	1137.7	1143.5	1150.0	1157.2	1166.3
32.5°	1190.5	1194.4	1185.2	1176.1	1170.3	1167.6	1172.2	1183.3	1193.1	1202.8
35°	1245.9	1248.5	1240.0	1223.1	1212.6	1212.6	1216.5	1230.9	1246.5	1258.9
37.5°	1324.1	1327.4	1312.4	1292.2	1276.5	1276.5	1281.7	1296.7	1320.2	1337.8
40°	1419.3	1423.9	1405.0	1384.1	1369.1	1366.5	1373.0	1390.0	1412.1	1434.3
42.5°	1534.0	1539.3	1514.5	1496.2	1484.5	1484.5	1487.8	1503.4	1523.6	1551.0
45°	1680.7	1689.9	1656.0	1637.7	1626.6	1629.2	1631.2	1644.9	1663.1	1694.4
47.5°	1855.5	1864.6	1828.7	1809.8	1807.9	1820.2	1812.4	1822.2	1832.0	1867.8
50°	2053.6	2069.3	2044.5	2043.2	2047.1	2069.9	2051.7	2056.9	2045.8	2068.6
52.5°	2296.2	2319.0	2314.4	2322.2	2365.9	2412.9	2371.1	2352.9	2311.2	2318.3
55°	2590.2	2624.8	2631.3	2678.2	2777.3	2873.1	2784.5	2710.8	2622.1	2605.8
57.5°	2924.7	2952.0	2983.3	3079.2	3264.3	3434.5	3264.3	3101.3	2961.8	2928.6
60°	3284.5	3318.4	3348.4	3489.9	3765.0	4004.3	3759.8	3501.0	3316.5	3271.5
62.5°	3671.1	3714.8	3735.7	3892.8	4213.6	4499.1	4218.1	3904.5	3699.8	3651.6
65°	4042.1	4078.0	4101.4	4269.0	4575.4	4861.6	4596.3	4287.2	4076.7	4013.4
67.5°	4214.9	4234.4	4291.8	4481.5	4804.9	5131.5	4859.6	4501.7	4266.4	4155.5
70°	3961.9	3922.1	4060.4	4364.2	4832.3	5297.1	4894.8	4355.0	4066.9	3886.9
72.5°	3061.6	2993.1	3233.0	3752.6	4519.3	5191.5	4550.6	3782.0	3382.3	3017.2
75°	1665.7	1588.2	1919.3	2576.5	3604.0	4499.8	3686.8	2650.2	2137.1	1653.3
77.5°	470.1	440.7	708.0	1246.5	2167.7	3159.4	2251.2	1273.9	839.7	498.1
80°	144.1	139.5	189.1	375.5	920.6	1513.2	884.7	380.1	240.6	151.9
82.5°	85.4	78.2	93.9	136.9	234.7	475.3	228.2	142.8	114.7	76.9
85°	48.9	45.6	55.4	66.5	78.9	101.1	65.8	67.8	61.3	41.1
87.5°	20.2	18.3	21.5	20.9	18.3	23.5	17.6	20.9	24.8	16.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1144.2
1140.3
1125.9
1110.3
1103.1
1103.1
1107.7
1116.1
1124.6
1128.5
1132.4
1142.2
1164.4
1198.9
1254.4
1331.3
1427.1
1549.0
1693.1
1857.4
2054.9
2294.2
2580.4
2905.1
3232.4
3612.5
3982.1
4156.8
3930.0
3107.9
1760.9
553.5
160.4
83.4
43.0
15.0
0.0

OF REPORT)