

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: P845894

Luminaire Tested: **GLAN-SB1B-735-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P845894  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1B-735-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3500K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5468 lumens  
Efficiency: N/A  
Efficacy: 137.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B2 - U0 - G2

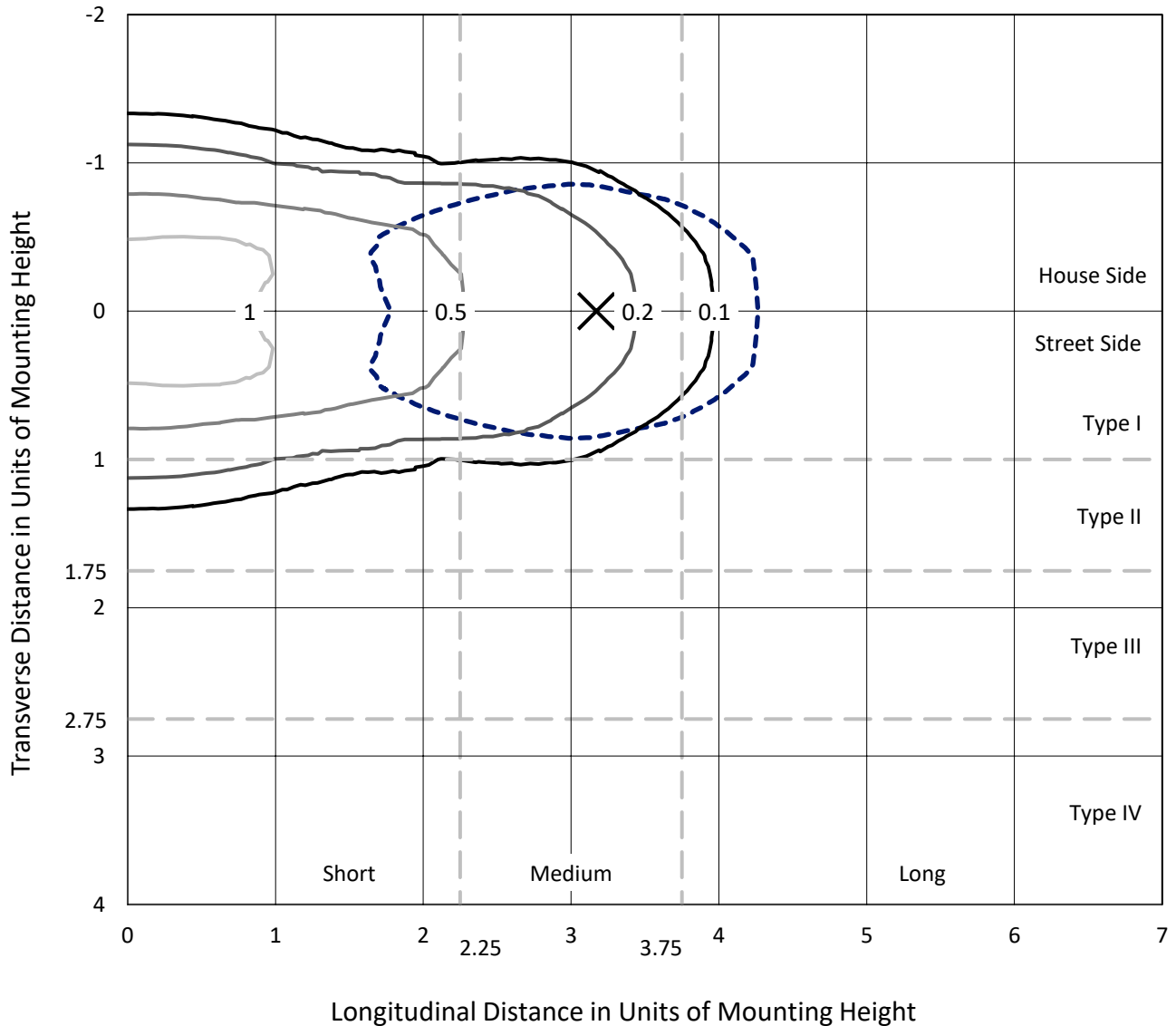
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

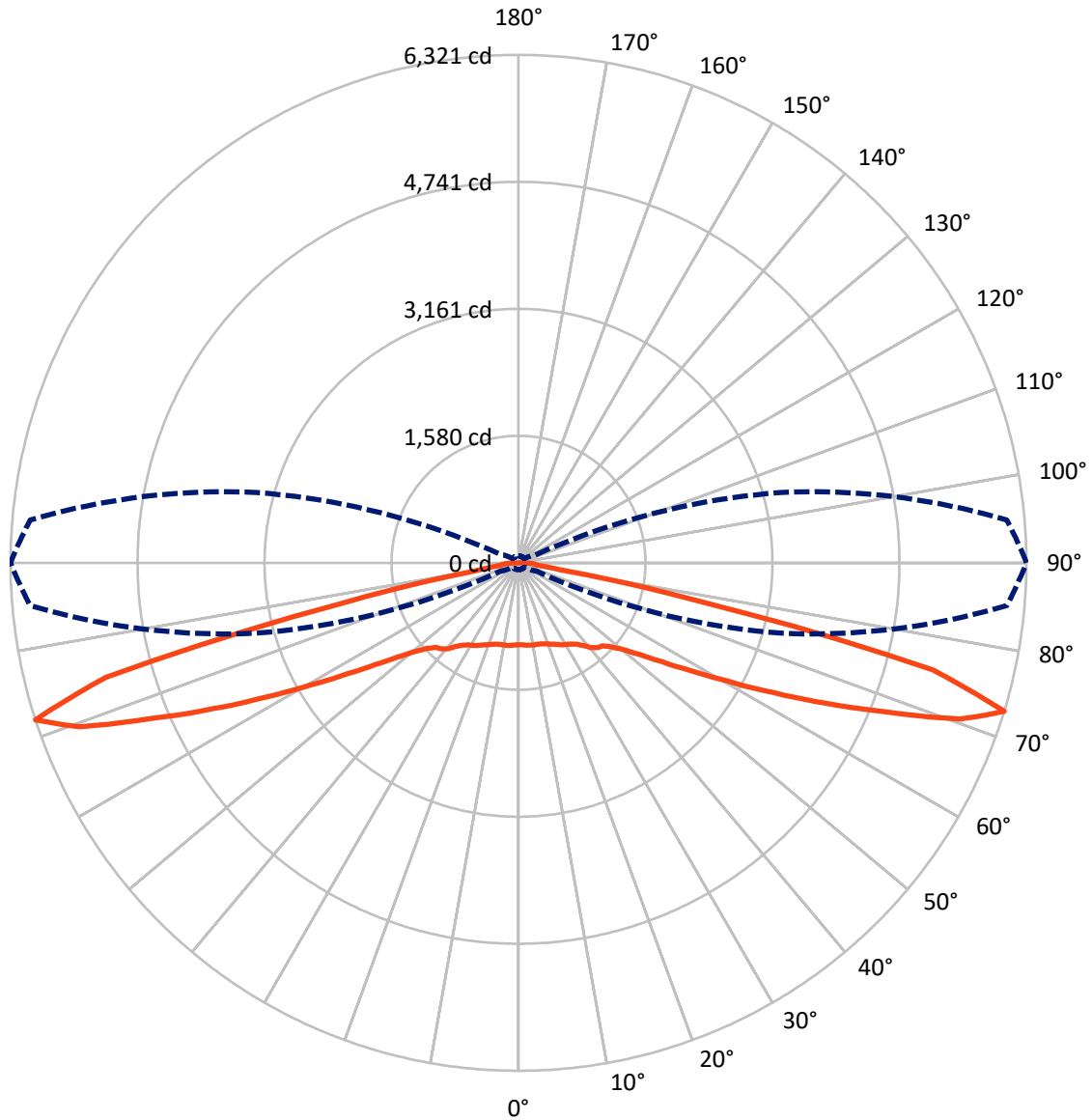
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2734.0	0.0	2734.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2734.0	0.0	2734.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5468.0	0.0	5468.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.1	1.8
10°-20°	302.9	5.5
20°-30°	505.1	9.2
30°-40°	694.7	12.7
40°-50°	848.4	15.5
50°-60°	981.2	17.9
60°-70°	1170.0	21.4
70°-80°	816.6	14.9
80°-90°	50.2	0.9
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°	5468.0	100.0
0°-180°	5468.0	100.0

**Coefficient of Utilization**



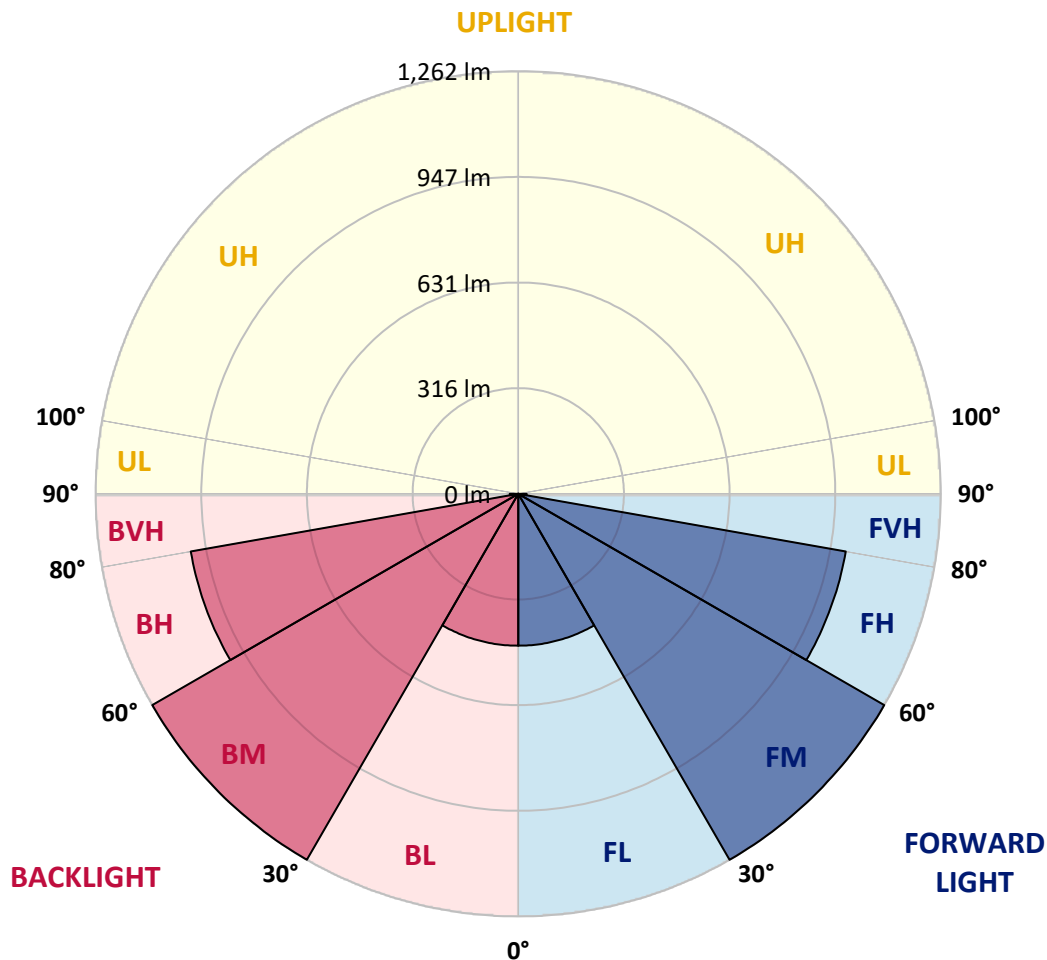
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	453.5	8.3			
FM (30°-60°)	1262.1	23.1			
FH (60°-80°)	993.3	18.2			G1/1800
FVH (80°-90°)	25.1	0.5			G1/100
BL (0°-30°)	453.5	8.3	B1/500		
BM (30°-60°)	1262.1	23.1	B2/2500		
BH (60°-80°)	993.3	18.2	B2/1000		G2/1000
BVH (80°-90°)	25.1	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1021.8	1021.8	1021.8	1021.8	1021.8	1021.8	1021.8	1021.8	1021.8	1021.8
2.5°	1022.6	1023.8	1023.8	1022.9	1025.0	1023.2	1023.2	1022.3	1023.2	1022.3
5°	1027.9	1029.3	1029.9	1029.6	1032.2	1030.8	1030.8	1029.6	1029.9	1029.0
7.5°	1037.7	1039.8	1040.9	1042.4	1046.2	1044.4	1043.3	1039.8	1038.3	1036.0
10°	1040.9	1043.3	1047.0	1054.6	1063.3	1063.6	1060.1	1051.4	1044.7	1039.5
12.5°	1031.1	1034.2	1042.1	1057.5	1077.0	1084.8	1079.3	1064.8	1051.7	1042.4
15°	1018.6	1022.0	1034.0	1057.2	1086.0	1104.3	1103.7	1084.5	1063.6	1049.1
17.5°	999.1	1002.6	1019.7	1052.3	1093.0	1123.2	1131.3	1111.5	1082.2	1062.7
20°	963.9	967.1	990.9	1036.6	1095.3	1143.2	1164.4	1147.0	1110.4	1083.9
22.5°	918.3	923.2	951.1	1009.5	1089.8	1164.1	1202.2	1190.3	1143.2	1106.6
25°	869.5	874.7	907.3	976.4	1075.5	1179.3	1247.0	1239.4	1180.4	1134.8
27.5°	827.3	832.9	868.3	943.6	1053.4	1185.1	1291.1	1294.9	1225.5	1165.9
30°	794.2	799.4	837.2	917.1	1025.0	1179.3	1329.8	1355.9	1271.4	1192.9
32.5°	757.9	764.6	804.4	884.9	991.2	1165.3	1363.5	1421.9	1324.6	1222.0
35°	712.0	718.1	759.9	840.7	947.1	1142.9	1391.7	1495.1	1400.7	1266.1
37.5°	656.2	662.0	703.5	785.5	903.2	1111.5	1413.2	1577.7	1491.4	1329.8
40°	600.1	605.6	644.6	723.9	850.6	1071.4	1420.7	1658.5	1595.4	1417.3
42.5°	548.7	553.6	589.3	663.2	791.6	1020.3	1410.9	1728.8	1688.7	1478.3
45°	501.3	505.6	537.3	606.2	730.3	958.1	1381.2	1804.3	1799.7	1521.9
47.5°	447.2	451.6	484.4	551.0	669.0	885.2	1331.0	1878.7	1954.0	1620.7
50°	381.3	385.0	418.8	487.3	605.3	807.6	1261.2	1937.1	2148.7	1770.3
52.5°	303.1	307.2	340.0	408.6	529.8	724.2	1169.4	1975.2	2373.6	1988.9
55°	225.5	228.4	256.9	318.5	436.2	629.2	1054.3	1986.0	2628.8	2287.6
57.5°	163.6	165.4	183.7	229.6	330.7	510.3	914.5	1958.1	2932.5	2670.6
60°	132.5	133.1	138.6	159.0	229.9	376.0	745.7	1862.2	3262.0	3164.4
62.5°	120.3	120.3	121.8	127.3	155.5	248.2	541.4	1663.4	3615.4	3788.3
65°	111.9	111.9	112.5	115.1	122.6	158.1	341.7	1339.7	3913.2	4519.1
67.5°	104.3	104.6	104.3	105.2	109.6	116.8	198.2	925.3	4073.6	5276.4
70°	96.5	97.1	95.6	95.6	99.1	99.4	124.1	507.4	3940.6	5911.1
72.5°	87.2	88.1	85.7	85.1	87.8	86.6	93.3	243.5	3383.2	6100.6
75°	79.0	80.2	75.0	73.5	73.5	72.7	75.8	125.0	2195.8	4976.5
77.5°	71.8	74.1	65.7	61.0	59.9	57.2	61.9	76.4	960.4	2336.4
80°	59.3	62.5	54.1	48.5	46.5	43.6	48.8	53.5	285.7	542.6
82.5°	44.2	45.6	38.4	34.6	32.8	30.8	36.6	37.2	93.0	192.1
85°	28.2	28.8	23.5	20.3	19.5	18.6	23.2	20.3	35.5	141.2
87.5°	9.9	11.3	9.0	8.1	8.7	7.3	10.8	6.1	9.9	99.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1021.8  
1022.3  
1029.0  
1036.0  
1038.6  
1040.9  
1046.7  
1059.5  
1079.0  
1099.9  
1125.5  
1156.0  
1178.7  
1204.0  
1246.1  
1303.1  
1388.8  
1441.7  
1472.5  
1563.7  
1698.9  
1900.8  
2177.5  
2532.0  
2989.7  
3554.3  
4223.3  
4957.1  
5827.1  
6321.4  
5322.9  
2287.9  
519.6  
217.1  
205.2  
123.5  
0.0

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