

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: P846571

Luminaire Tested: **GLAN-SB2B-735-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846571  
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-SB2B-735-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 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: 11178 lumens  
Efficiency: N/A  
Efficacy: 151.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

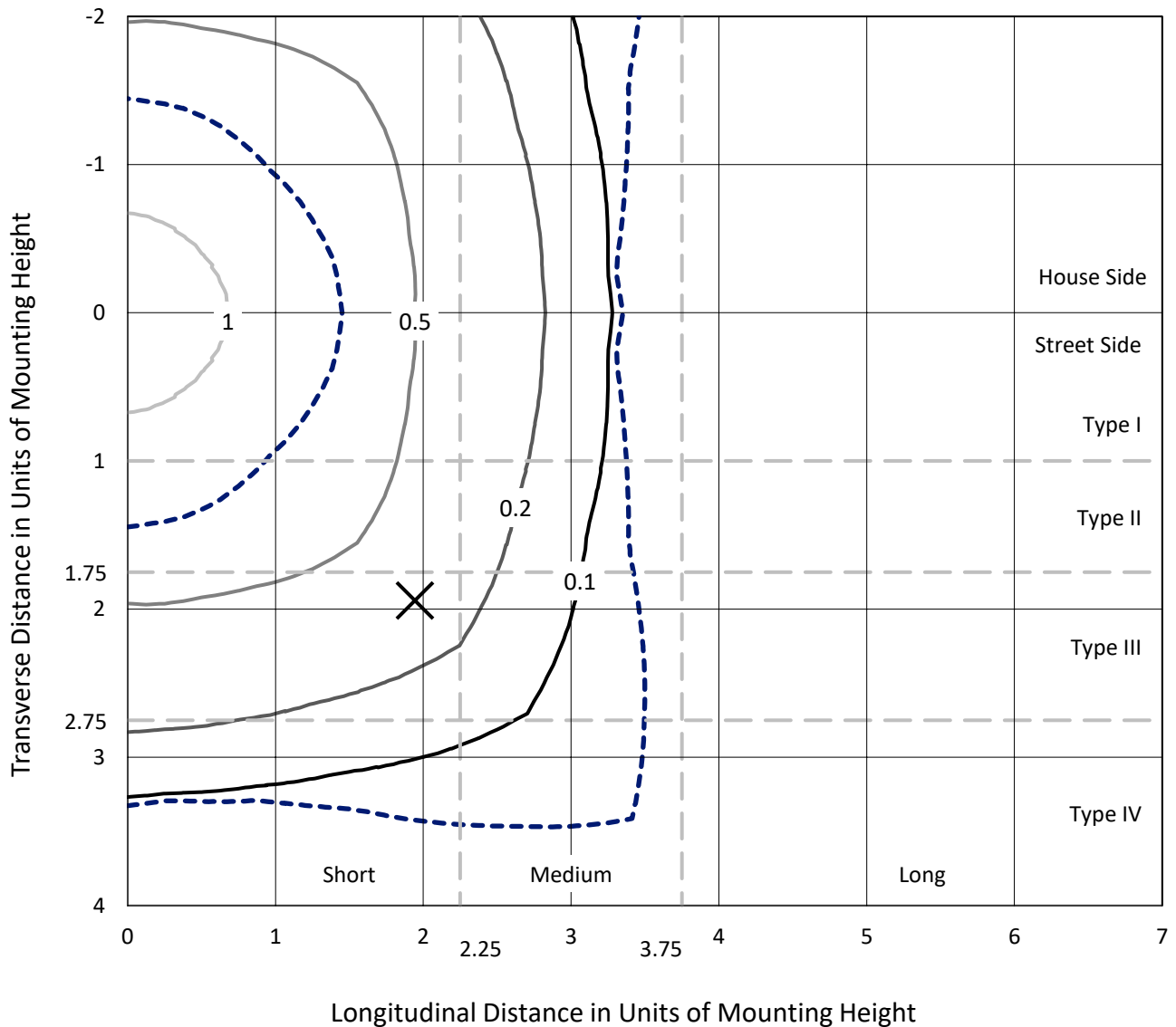
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

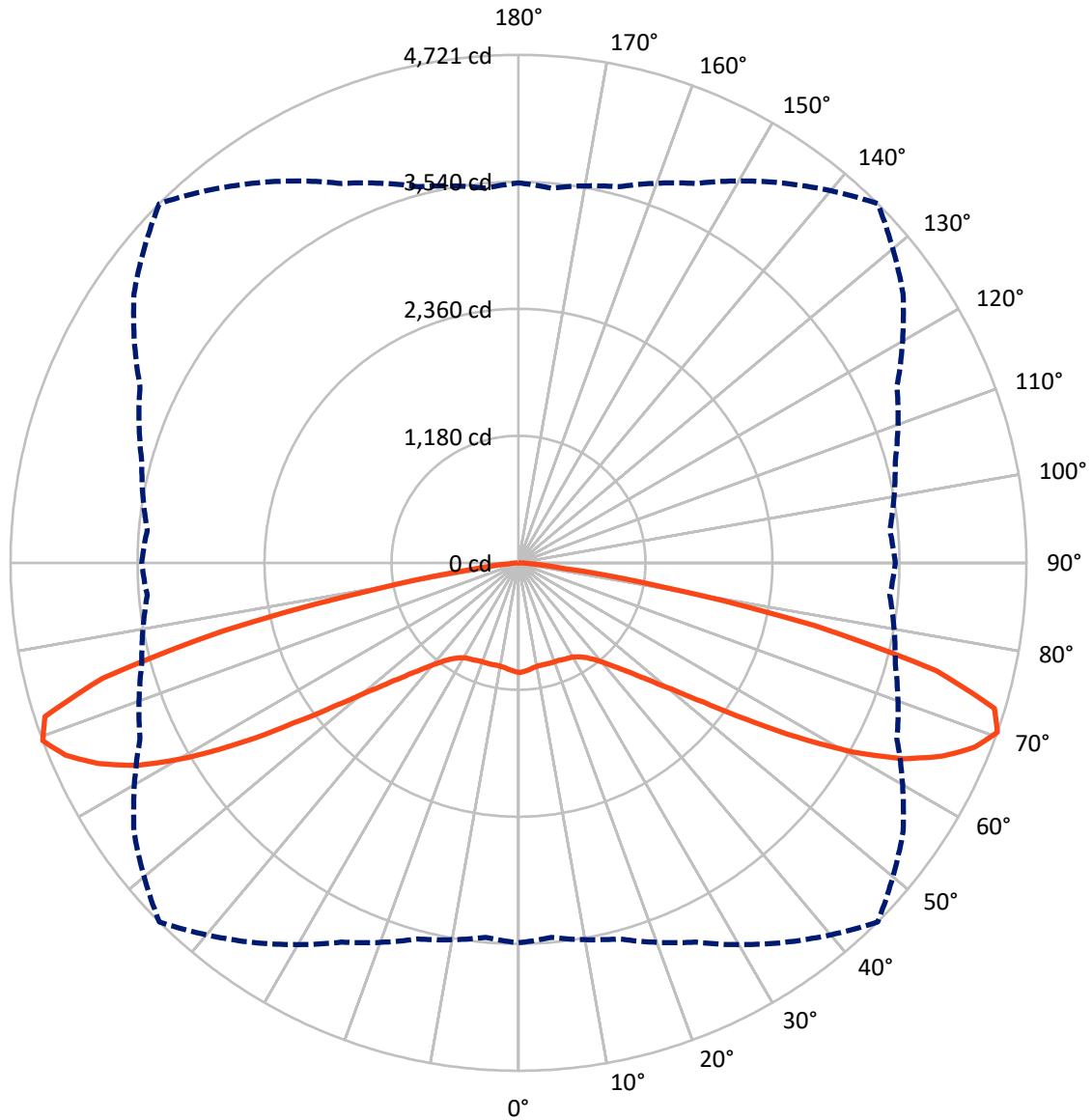
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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	5589.0	0.0	5589.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5589.0	0.0	5589.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11178.0	0.0	11178.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.9	0.8
10°-20°	278.5	2.5
20°-30°	463.5	4.1
30°-40°	700.9	6.3
40°-50°	1164.8	10.4
50°-60°	2197.9	19.7
60°-70°	3711.2	33.2
70°-80°	2438.6	21.8
80°-90°	127.8	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°	11178.0	100.0
0°-180°	11178.0	100.0

**Coefficient of Utilization**



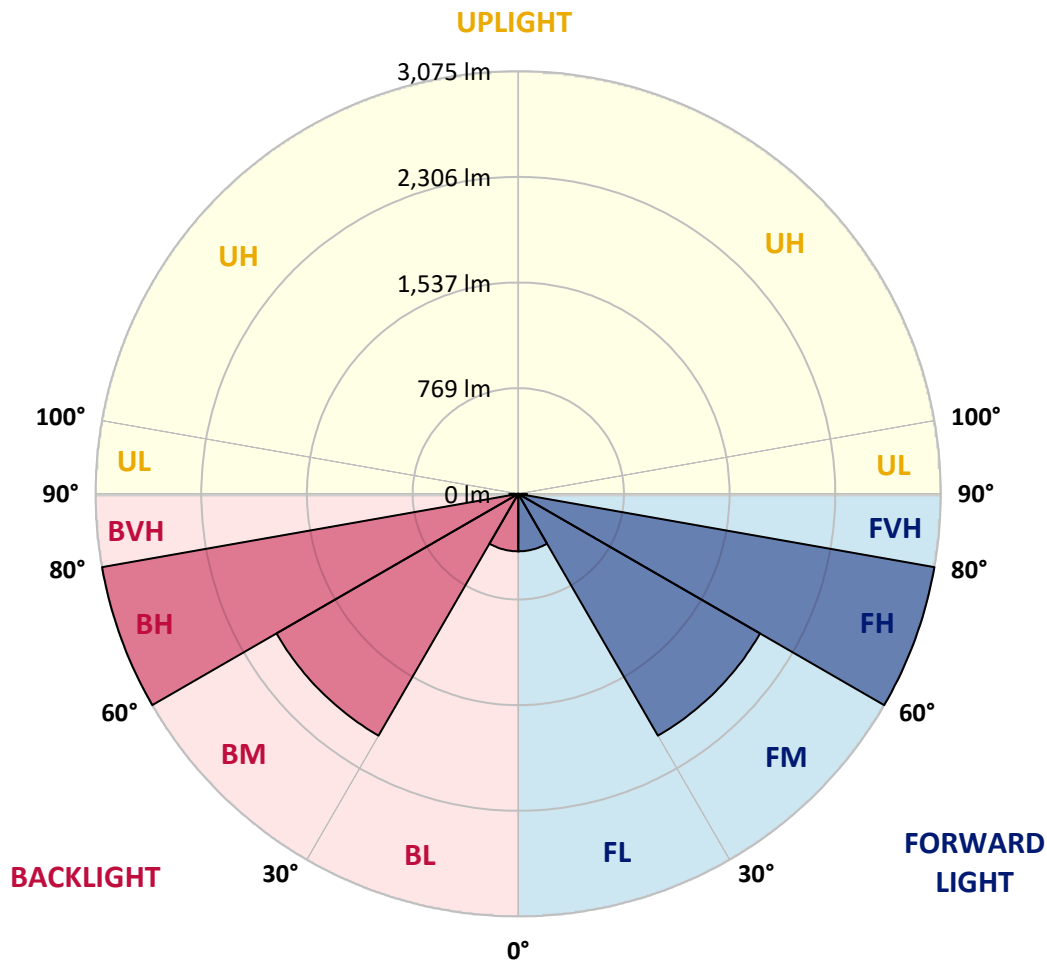
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	418.4	3.7			
FM (30°-60°)	2031.8	18.2			
FH (60°-80°)	3074.9	27.5			G2/5000
FVH (80°-90°)	63.9	0.6			G1/100
BL (0°-30°)	418.4	3.7	B1/500		
BM (30°-60°)	2031.8	18.2	B2/2500		
BH (60°-80°)	3074.9	27.5	B4/5000		G2/5000
BVH (80°-90°)	63.9	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°	1019.7	1019.7	1019.7	1019.7	1019.7	1019.7	1019.7	1019.7	1019.7	1019.7
2.5°	1013.3	1016.2	1015.0	1012.7	1012.7	1010.9	1012.7	1013.8	1015.6	1016.8
5°	999.9	1002.2	1001.6	999.9	1000.5	998.7	999.9	1001.6	1002.8	1003.4
7.5°	988.3	990.6	989.4	986.5	986.5	984.8	985.4	987.1	988.9	989.4
10°	985.4	987.7	984.2	979.6	977.8	975.5	976.1	977.8	981.3	983.1
12.5°	986.5	988.3	984.8	977.8	976.1	973.8	973.8	975.5	980.2	982.5
15°	990.0	991.8	986.5	979.0	977.2	975.5	974.9	977.2	982.5	986.5
17.5°	996.4	998.2	990.0	979.6	977.2	977.8	977.2	979.0	987.1	994.7
20°	1002.2	1003.4	992.4	979.6	977.2	977.8	977.2	980.7	991.2	1001.6
22.5°	1004.0	1005.1	994.7	983.6	981.9	982.5	981.9	985.4	995.3	1005.7
25°	1004.6	1006.3	998.2	989.4	992.4	993.5	992.4	992.9	1000.5	1009.8
27.5°	1013.3	1015.6	1008.0	1000.5	1002.2	1001.6	1003.4	1005.1	1010.9	1020.2
30°	1031.3	1033.0	1026.6	1019.1	1017.9	1013.8	1019.1	1024.9	1031.3	1039.4
32.5°	1060.9	1064.4	1056.3	1048.1	1042.9	1040.6	1044.6	1054.5	1063.2	1071.9
35°	1110.3	1112.6	1105.1	1090.0	1080.7	1080.7	1084.1	1096.9	1110.9	1121.9
37.5°	1180.0	1182.9	1169.6	1151.5	1137.6	1137.6	1142.3	1155.6	1176.5	1192.2
40°	1264.8	1268.9	1252.1	1233.5	1220.1	1217.8	1223.6	1238.7	1258.5	1278.2
42.5°	1367.1	1371.7	1349.7	1333.4	1322.9	1322.9	1325.8	1339.8	1357.8	1382.2
45°	1497.8	1506.0	1475.7	1459.5	1449.6	1451.9	1453.7	1465.9	1482.1	1510.0
47.5°	1653.5	1661.7	1629.7	1612.9	1611.1	1622.2	1615.2	1623.9	1632.6	1664.6
50°	1830.2	1844.1	1822.0	1820.9	1824.3	1844.7	1828.4	1833.1	1823.2	1843.5
52.5°	2046.3	2066.6	2062.6	2069.5	2108.5	2150.3	2113.1	2096.8	2059.7	2066.0
55°	2308.3	2339.1	2344.9	2386.8	2475.1	2560.5	2481.5	2415.8	2336.8	2322.3
57.5°	2606.4	2630.8	2658.7	2744.1	2909.1	3060.7	2909.1	2763.8	2639.5	2609.9
60°	2927.1	2957.3	2984.0	3110.1	3355.3	3568.5	3350.6	3120.0	2955.6	2915.5
62.5°	3271.6	3310.5	3329.1	3469.2	3755.0	4009.5	3759.1	3479.6	3297.2	3254.2
65°	3602.2	3634.2	3655.1	3804.4	4077.5	4332.5	4096.1	3820.7	3633.0	3576.6
67.5°	3756.2	3773.6	3824.7	3993.8	4282.0	4573.1	4330.8	4011.8	3802.1	3703.3
70°	3530.7	3495.3	3618.5	3889.2	4306.4	4720.6	4362.2	3881.1	3624.3	3463.9
72.5°	2728.4	2667.4	2881.2	3344.2	4027.5	4626.5	4055.4	3370.4	3014.2	2688.9
75°	1484.5	1415.3	1710.5	2296.1	3211.8	4010.1	3285.6	2361.8	1904.5	1473.4
77.5°	418.9	392.8	631.0	1110.9	1931.8	2815.5	2006.2	1135.3	748.3	443.9
80°	128.4	124.3	168.5	334.7	820.4	1348.5	788.4	338.7	214.4	135.4
82.5°	76.1	69.7	83.7	122.0	209.2	423.6	203.4	127.2	102.3	68.6
85°	43.6	40.7	49.4	59.3	70.3	90.1	58.7	60.4	54.6	36.6
87.5°	18.0	16.3	19.2	18.6	16.3	20.9	15.7	18.6	22.1	14.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1019.7
1016.2
1003.4
989.4
983.1
983.1
987.1
994.7
1002.2
1005.7
1009.2
1017.9
1037.7
1068.5
1117.8
1186.4
1271.8
1380.5
1508.9
1655.3
1831.3
2044.5
2299.6
2588.9
2880.6
3219.3
3548.8
3704.5
3502.3
2769.6
1569.3
493.3
142.9
74.4
38.3
13.4
0.0

OF REPORT)