

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: P846061

Luminaire Tested: **GLAN-SB1C-735-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846061  
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-SB1C-735-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7436 lumens  
Efficiency: N/A  
Efficacy: 136.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

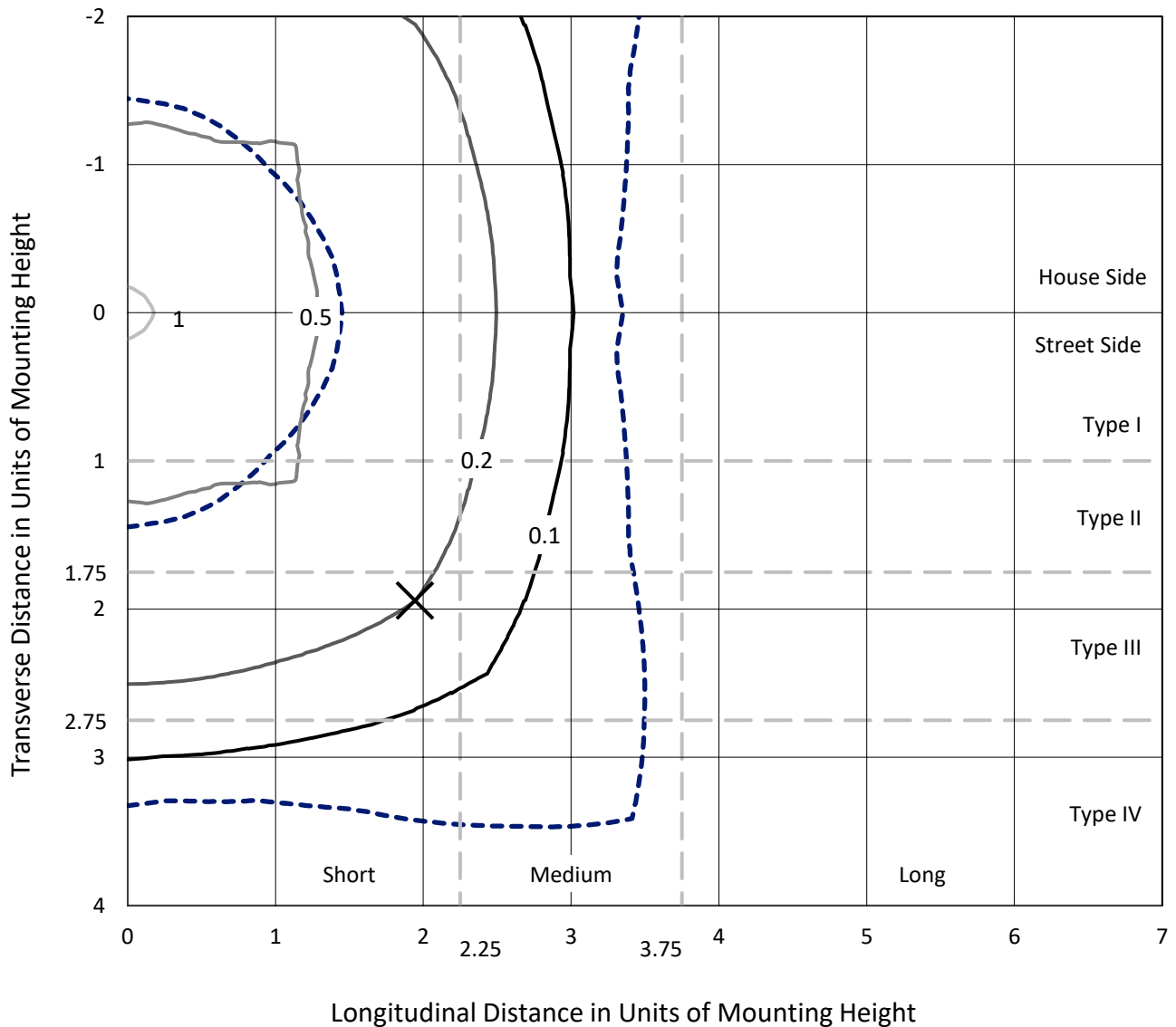
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P846061  
 CATALOG NUMBER: GLAN-SB1C-735-U-5WQ

### Iso-Footcandle Lines of Horizontal Illumination

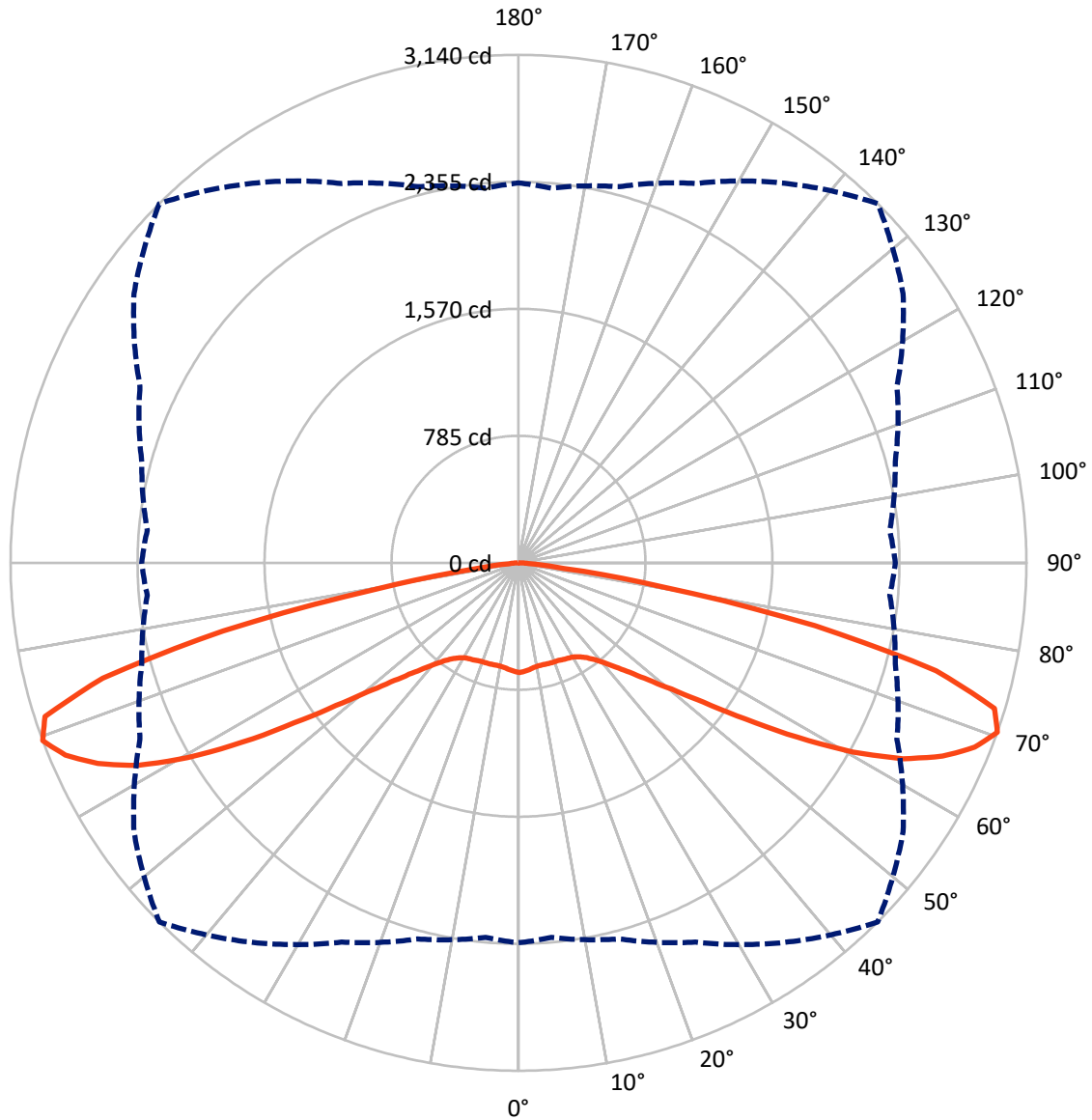
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type V - Short - N/A

REPORT NUMBER: P846061  
CATALOG NUMBER: GLAN-SB1C-735-U-5WQ

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P846061  
 CATALOG NUMBER: GLAN-SB1C-735-U-5WQ

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3718.0	0.0	3718.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3718.0	0.0	3718.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7436.0	0.0	7436.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.1	0.8
10°-20°	185.3	2.5
20°-30°	308.3	4.1
30°-40°	466.3	6.3
40°-50°	774.8	10.4
50°-60°	1462.1	19.7
60°-70°	2468.8	33.2
70°-80°	1622.3	21.8
80°-90°	85.0	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°	7436.0	100.0
0°-180°	7436.0	100.0

**Coefficient of Utilization**



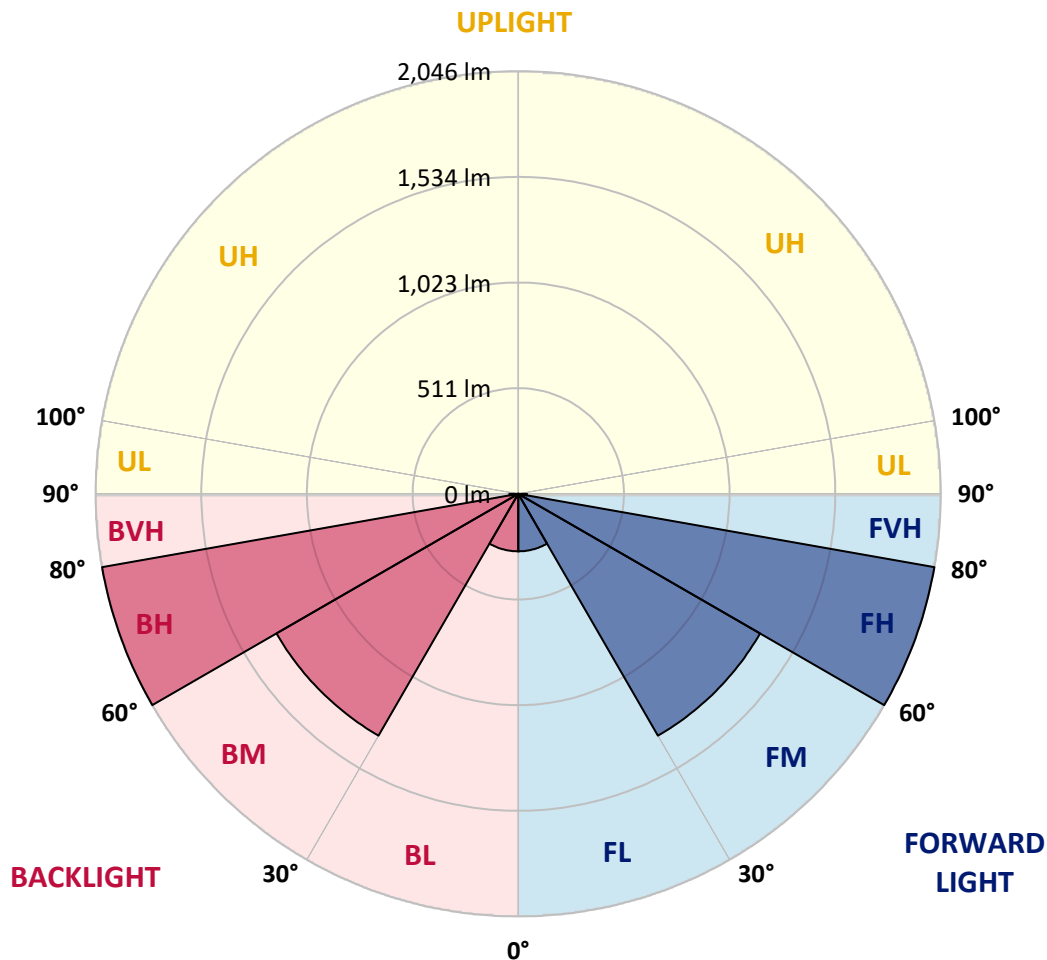
REPORT NUMBER: P846061  
 CATALOG NUMBER: GLAN-SB1C-735-U-5WQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	278.3	3.7			
FM (30°-60°)	1351.6	18.2			
FH (60°-80°)	2045.5	27.5			G2/5000
FVH (80°-90°)	42.5	0.6			G1/100
BL (0°-30°)	278.3	3.7	B1/500		
BM (30°-60°)	1351.6	18.2	B2/2500		
BH (60°-80°)	2045.5	27.5	B3/2500		G2/5000
BVH (80°-90°)	42.5	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short



REPORT NUMBER: P846061  
 CATALOG NUMBER: GLAN-SB1C-735-U-5WQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	678.3	678.3	678.3	678.3	678.3	678.3	678.3	678.3	678.3	678.3
2.5°	674.1	676.0	675.2	673.7	673.7	672.5	673.7	674.4	675.6	676.4
5°	665.2	666.7	666.3	665.2	665.6	664.4	665.2	666.3	667.1	667.5
7.5°	657.4	659.0	658.2	656.3	656.3	655.1	655.5	656.7	657.8	658.2
10°	655.5	657.1	654.7	651.6	650.5	648.9	649.3	650.5	652.8	654.0
12.5°	656.3	657.4	655.1	650.5	649.3	647.8	647.8	648.9	652.0	653.6
15°	658.6	659.8	656.3	651.3	650.1	648.9	648.6	650.1	653.6	656.3
17.5°	662.9	664.0	658.6	651.6	650.1	650.5	650.1	651.3	656.7	661.7
20°	666.7	667.5	660.1	651.6	650.1	650.5	650.1	652.4	659.4	666.3
22.5°	667.9	668.7	661.7	654.3	653.2	653.6	653.2	655.5	662.1	669.0
25°	668.3	669.4	664.0	658.2	660.1	660.9	660.1	660.5	665.6	671.7
27.5°	674.1	675.6	670.6	665.6	666.7	666.3	667.5	668.7	672.5	678.7
30°	686.0	687.2	683.0	677.9	677.2	674.4	677.9	681.8	686.0	691.5
32.5°	705.8	708.1	702.7	697.3	693.8	692.2	694.9	701.5	707.3	713.1
35°	738.6	740.2	735.1	725.1	718.9	718.9	721.2	729.7	739.0	746.3
37.5°	785.0	786.9	778.0	766.0	756.8	756.8	759.9	768.8	782.7	793.1
40°	841.4	844.1	832.9	820.5	811.7	810.1	814.0	824.0	837.2	850.3
42.5°	909.4	912.5	897.8	887.0	880.1	880.1	882.0	891.3	903.3	919.5
45°	996.4	1001.8	981.7	970.9	964.3	965.9	967.0	975.1	986.0	1004.5
47.5°	1100.0	1105.4	1084.1	1072.9	1071.8	1079.1	1074.5	1080.3	1086.1	1107.3
50°	1217.5	1226.8	1212.1	1211.3	1213.6	1227.1	1216.3	1219.4	1212.8	1226.4
52.5°	1361.3	1374.8	1372.1	1376.7	1402.6	1430.4	1405.7	1394.9	1370.2	1374.4
55°	1535.6	1556.1	1559.9	1587.8	1646.5	1703.3	1650.8	1607.1	1554.5	1544.9
57.5°	1733.9	1750.1	1768.6	1825.5	1935.2	2036.1	1935.2	1838.6	1755.9	1736.2
60°	1947.2	1967.3	1985.1	2069.0	2232.1	2373.9	2229.0	2075.5	1966.1	1939.5
62.5°	2176.4	2202.3	2214.7	2307.8	2498.0	2667.3	2500.7	2314.8	2193.4	2164.8
65°	2396.3	2417.6	2431.5	2530.8	2712.5	2882.2	2724.8	2541.6	2416.8	2379.3
67.5°	2498.7	2510.3	2544.3	2656.8	2848.5	3042.2	2881.0	2668.8	2529.3	2463.6
70°	2348.8	2325.2	2407.1	2587.3	2864.8	3140.3	2901.9	2581.8	2411.0	2304.3
72.5°	1815.0	1774.4	1916.7	2224.7	2679.2	3077.7	2697.8	2242.1	2005.2	1788.7
75°	987.5	941.5	1137.9	1527.5	2136.6	2667.6	2185.7	1571.1	1267.0	980.2
77.5°	278.7	261.3	419.7	739.0	1285.1	1873.0	1334.6	755.2	497.8	295.3
80°	85.4	82.7	112.1	222.6	545.7	897.1	524.5	225.3	142.6	90.1
82.5°	50.6	46.4	55.7	81.2	139.1	281.8	135.3	84.6	68.0	45.6
85°	29.0	27.1	32.9	39.4	46.8	59.9	39.0	40.2	36.3	24.3
87.5°	12.0	10.8	12.8	12.4	10.8	13.9	10.4	12.4	14.7	9.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
678.3
676.0
667.5
658.2
654.0
654.0
656.7
661.7
666.7
669.0
671.4
677.2
690.3
710.8
743.6
789.2
846.1
918.3
1003.7
1101.1
1218.3
1360.1
1529.8
1722.3
1916.3
2141.6
2360.8
2464.3
2329.8
1842.5
1043.9
328.1
95.1
49.5
25.5
8.9
0.0

OF REPORT)