

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: P847081

Luminaire Tested: **GLAN-SB3A-735-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847081  
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-SB3A-735-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13359 lumens  
Efficiency: N/A  
Efficacy: 157.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

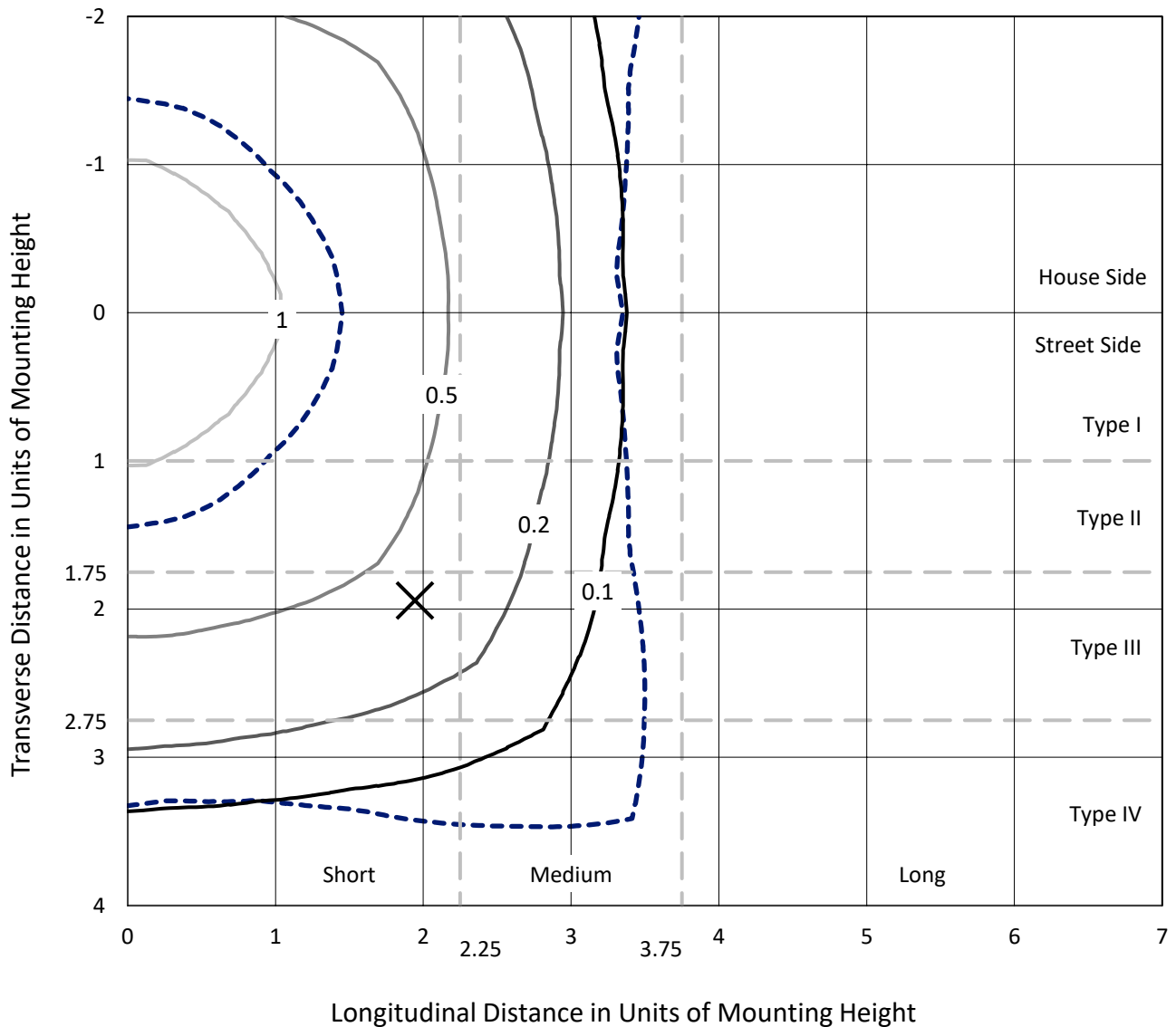
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

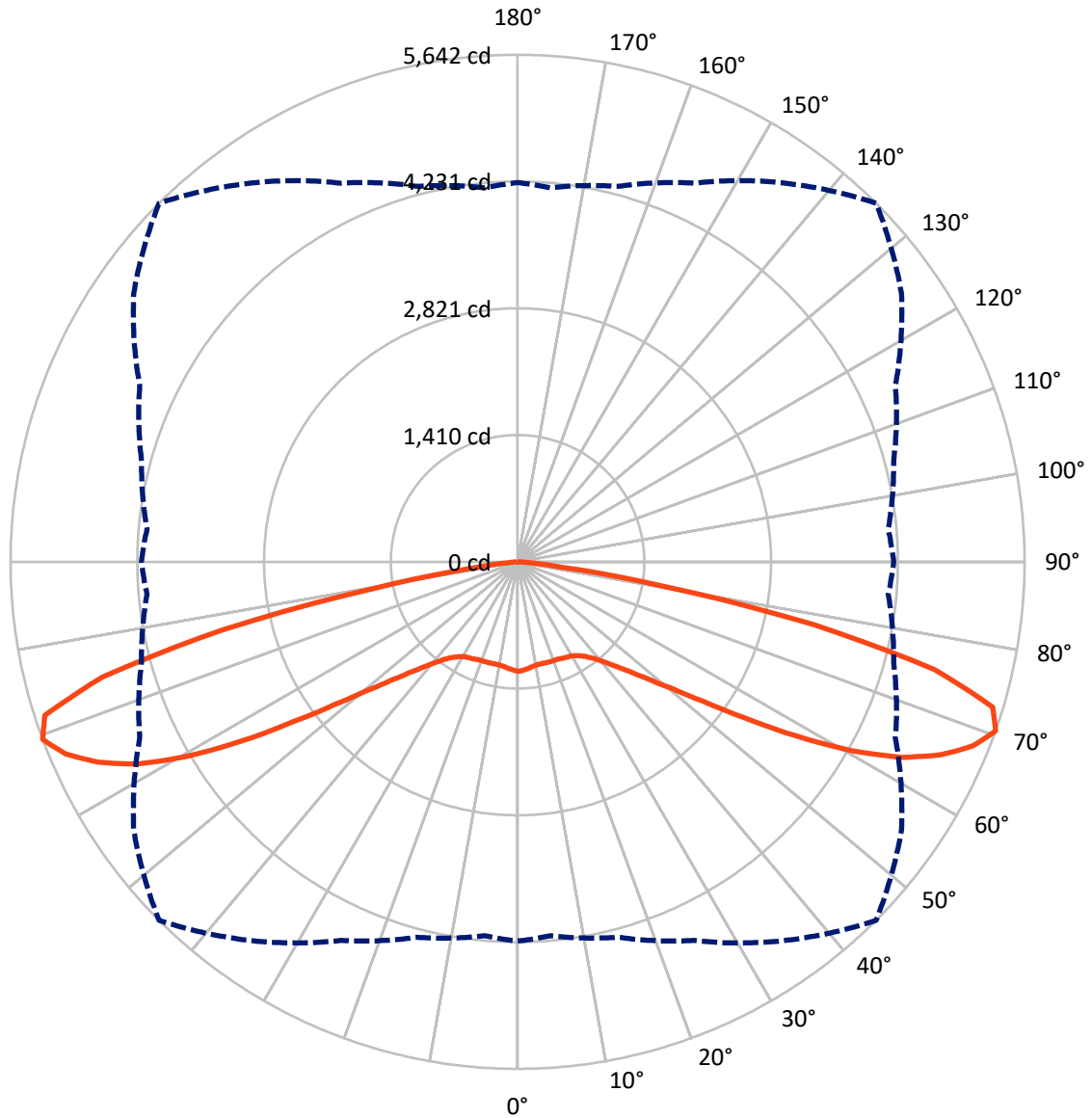
✕ Max cd  
 - - - 1/2 Max cd



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	6679.5	0.0	6679.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6679.5	0.0	6679.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13359.0	0.0	13359.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.4	0.8
10°-20°	332.8	2.5
20°-30°	553.9	4.1
30°-40°	837.7	6.3
40°-50°	1392.0	10.4
50°-60°	2626.7	19.7
60°-70°	4435.3	33.2
70°-80°	2914.5	21.8
80°-90°	152.7	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°	13359.0	100.0
0°-180°	13359.0	100.0

**Coefficient of Utilization**



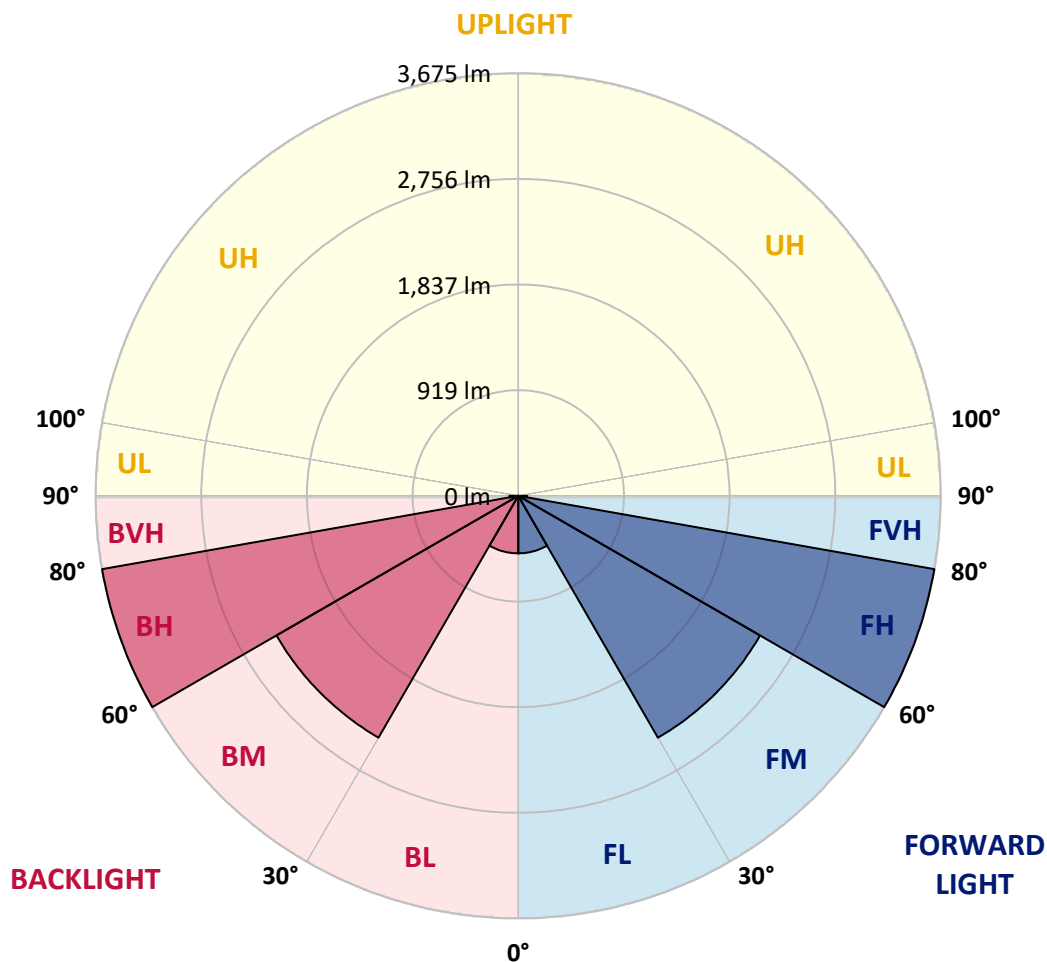
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	500.1	3.7			
FM (30°-60°)	2428.2	18.2			
FH (60°-80°)	3674.9	27.5			G2/5000
FVH (80°-90°)	76.3	0.6			G1/100
BL (0°-30°)	500.1	3.7	B2/1000		
BM (30°-60°)	2428.2	18.2	B2/2500		
BH (60°-80°)	3674.9	27.5	B4/5000		G2/5000
BVH (80°-90°)	76.3	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°	1218.6	1218.6	1218.6	1218.6	1218.6	1218.6	1218.6	1218.6	1218.6	1218.6
2.5°	1211.0	1214.4	1213.1	1210.3	1210.3	1208.2	1210.3	1211.7	1213.7	1215.1
5°	1195.0	1197.8	1197.1	1195.0	1195.7	1193.6	1195.0	1197.1	1198.5	1199.2
7.5°	1181.1	1183.9	1182.5	1179.0	1179.0	1176.9	1177.6	1179.7	1181.8	1182.5
10°	1177.6	1180.4	1176.3	1170.7	1168.6	1165.8	1166.5	1168.6	1172.8	1174.9
12.5°	1179.0	1181.1	1176.9	1168.6	1166.5	1163.8	1163.8	1165.8	1171.4	1174.2
15°	1183.2	1185.3	1179.0	1170.0	1167.9	1165.8	1165.1	1167.9	1174.2	1179.0
17.5°	1190.8	1192.9	1183.2	1170.7	1167.9	1168.6	1167.9	1170.0	1179.7	1188.8
20°	1197.8	1199.2	1186.0	1170.7	1167.9	1168.6	1167.9	1172.1	1184.6	1197.1
22.5°	1199.9	1201.3	1188.8	1175.6	1173.5	1174.2	1173.5	1177.6	1189.4	1201.9
25°	1200.6	1202.6	1192.9	1182.5	1186.0	1187.4	1186.0	1186.7	1195.7	1206.8
27.5°	1211.0	1213.7	1204.7	1195.7	1197.8	1197.1	1199.2	1201.3	1208.2	1219.3
30°	1232.5	1234.6	1226.9	1217.9	1216.5	1211.7	1217.9	1224.9	1232.5	1242.2
32.5°	1267.9	1272.1	1262.4	1252.6	1246.4	1243.6	1248.5	1260.3	1270.7	1281.1
35°	1326.9	1329.7	1320.7	1302.6	1291.5	1291.5	1295.7	1311.0	1327.6	1340.8
37.5°	1410.3	1413.7	1397.8	1376.2	1359.6	1359.6	1365.1	1381.1	1406.1	1424.8
40°	1511.6	1516.5	1496.4	1474.1	1458.2	1455.4	1462.3	1480.4	1504.0	1527.6
42.5°	1633.8	1639.4	1613.0	1593.6	1581.1	1581.1	1584.5	1601.2	1622.7	1651.9
45°	1790.1	1799.8	1763.7	1744.2	1732.4	1735.2	1737.3	1751.9	1771.3	1804.7
47.5°	1976.2	1985.9	1947.7	1927.6	1925.5	1938.7	1930.3	1940.7	1951.2	1989.4
50°	2187.2	2203.9	2177.5	2176.1	2180.3	2204.6	2185.2	2190.7	2178.9	2203.2
52.5°	2445.6	2469.9	2465.0	2473.3	2519.8	2569.8	2525.4	2506.0	2461.5	2469.2
55°	2758.7	2795.5	2802.5	2852.4	2958.0	3060.1	2965.6	2887.2	2792.7	2775.4
57.5°	3114.9	3144.1	3177.4	3279.5	3476.7	3657.9	3476.7	3303.1	3154.5	3119.1
60°	3498.2	3534.3	3566.3	3716.9	4010.0	4264.8	4004.4	3728.7	3532.2	3484.3
62.5°	3910.0	3956.5	3978.7	4146.1	4487.7	4791.8	4492.5	4158.5	3940.5	3889.1
65°	4305.1	4343.3	4368.2	4546.7	4873.1	5177.9	4895.3	4566.1	4341.9	4274.5
67.5°	4489.1	4509.9	4571.0	4773.1	5117.5	5465.3	5175.8	4794.6	4543.9	4425.9
70°	4219.7	4177.3	4324.5	4648.1	5146.6	5641.7	5213.3	4638.4	4331.4	4139.8
72.5°	3260.7	3187.8	3443.4	3996.8	4813.3	5529.2	4846.7	4028.0	3602.4	3213.5
75°	1774.1	1691.5	2044.2	2744.1	3838.4	4792.5	3926.6	2822.6	2276.1	1760.9
77.5°	500.6	469.4	754.1	1327.6	2308.8	3364.9	2397.6	1356.8	894.3	530.5
80°	153.5	148.6	201.4	400.0	980.4	1611.6	942.3	404.8	256.2	161.8
82.5°	91.0	83.3	100.0	145.8	250.0	506.2	243.0	152.1	122.2	81.9
85°	52.1	48.6	59.0	70.8	84.0	107.6	70.1	72.2	65.3	43.7
87.5°	21.5	19.4	22.9	22.2	19.4	25.0	18.7	22.2	26.4	17.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1218.6
1214.4
1199.2
1182.5
1174.9
1174.9
1179.7
1188.8
1197.8
1201.9
1206.1
1216.5
1240.1
1276.9
1336.0
1417.9
1520.0
1649.8
1803.3
1978.2
2188.6
2443.5
2748.3
3094.1
3442.7
3847.5
4241.2
4427.3
4185.6
3310.0
1875.5
589.5
170.8
88.9
45.8
16.0
0.0

OF REPORT)