

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: P847071

Luminaire Tested: **GLAN-SB3A-730-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847071
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-730-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13151 lumens
Efficiency: N/A
Efficacy: 155.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

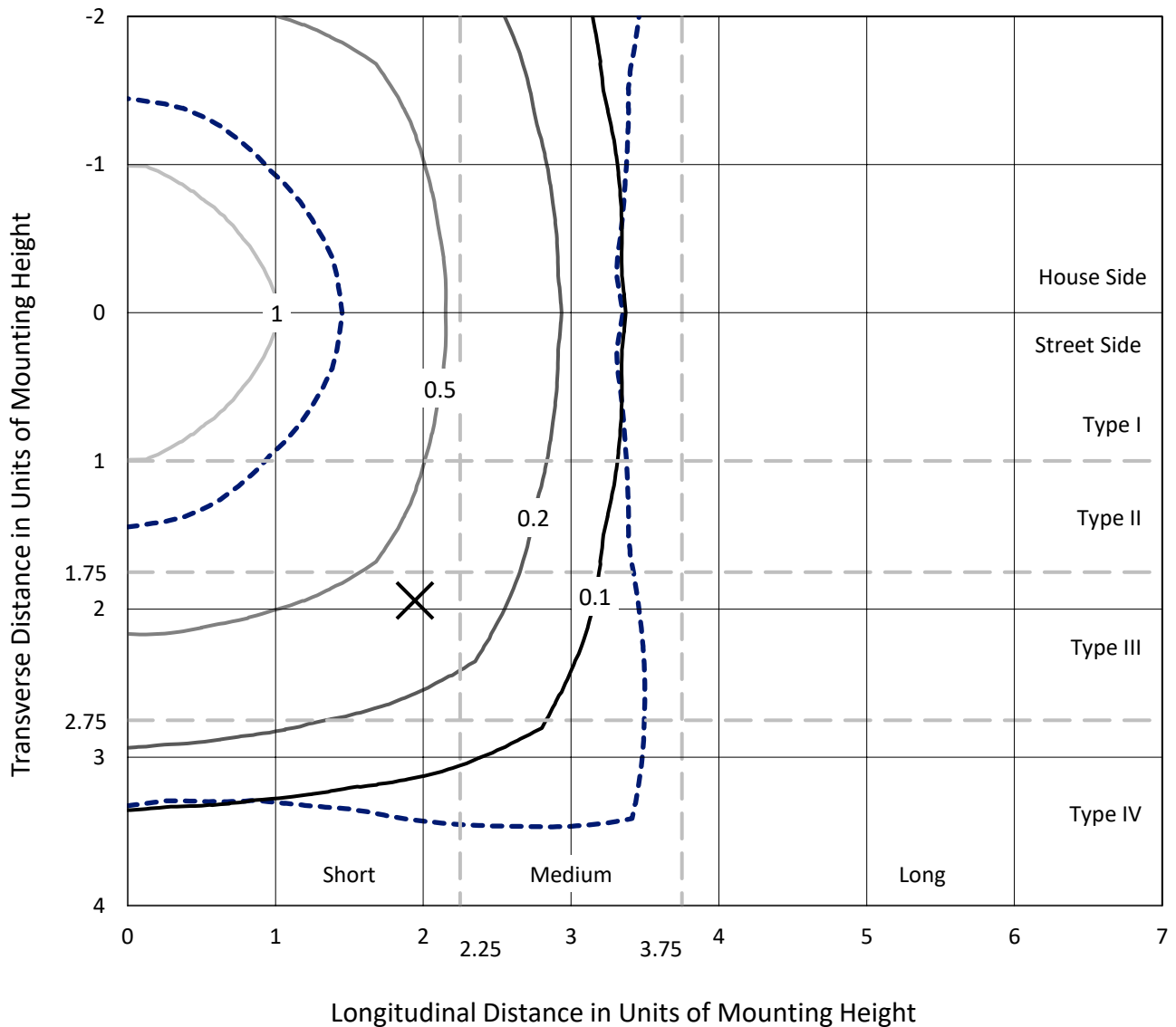
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

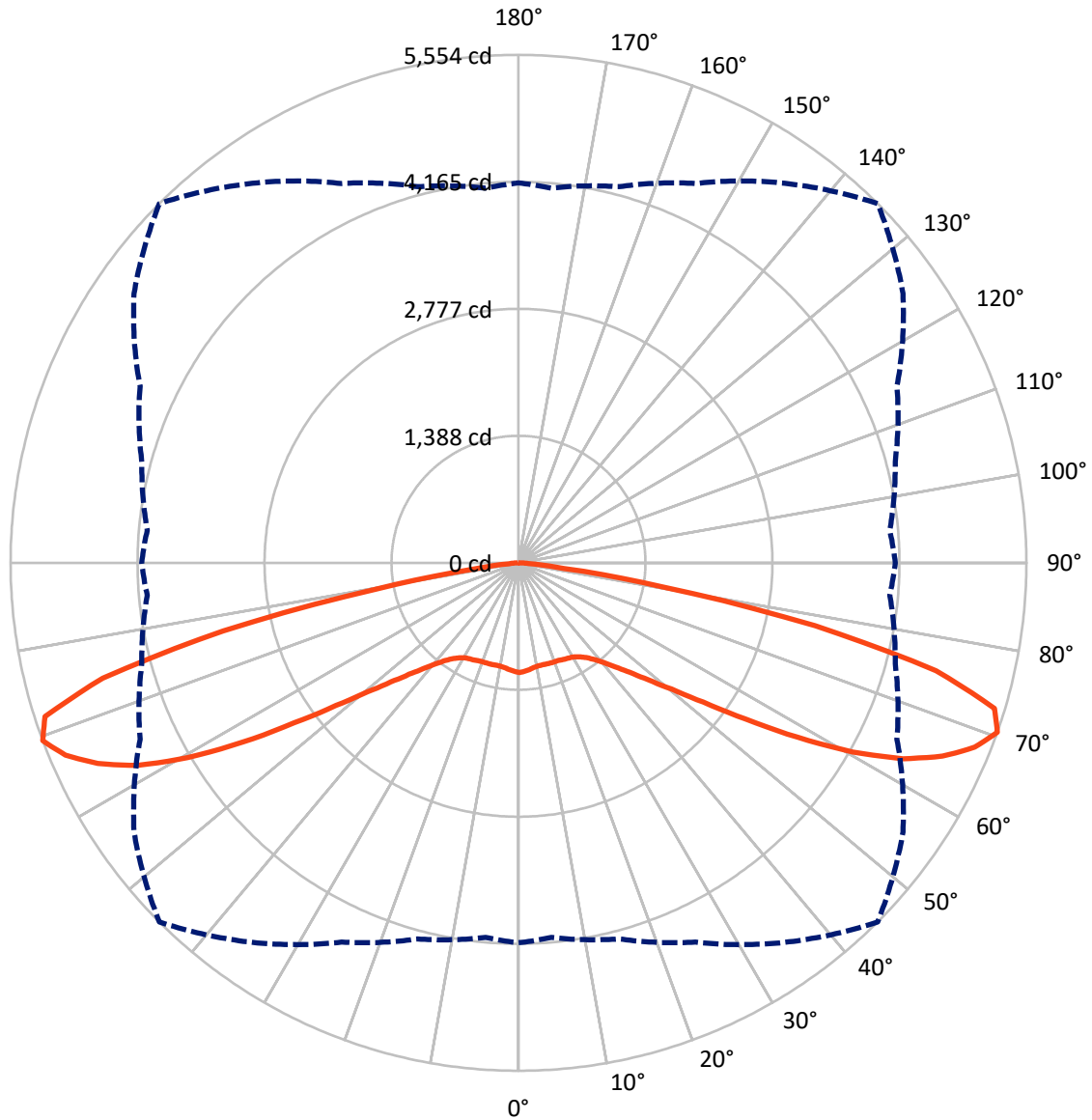
✕ Max cd
 - - - 1/2 Max cd



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
House Side	Lumens	6575.5	0.0	6575.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6575.5	0.0	6575.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13151.0	0.0	13151.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.6	0.8
10°-20°	327.7	2.5
20°-30°	545.3	4.1
30°-40°	824.6	6.3
40°-50°	1370.4	10.4
50°-60°	2585.8	19.7
60°-70°	4366.3	33.2
70°-80°	2869.1	21.8
80°-90°	150.3	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°	13151.0	100.0
0°-180°	13151.0	100.0

Coefficient of Utilization



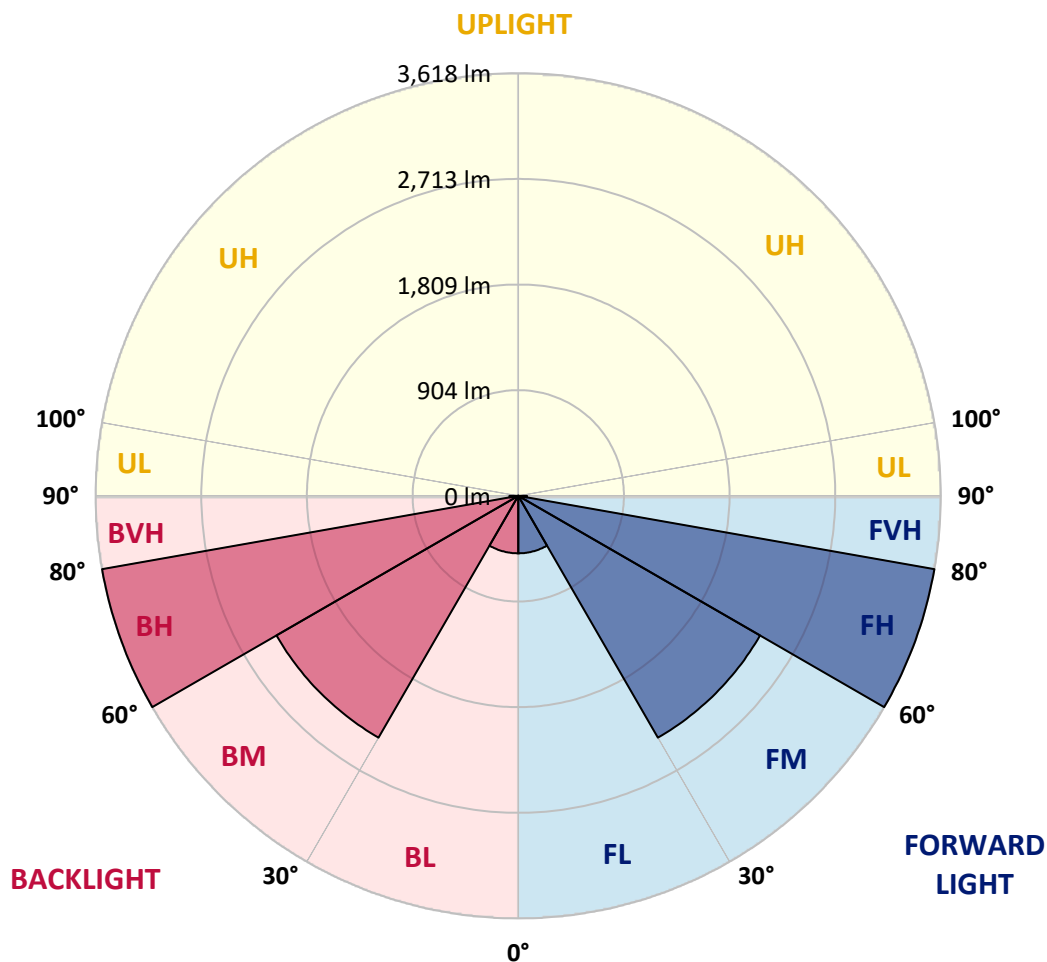
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	492.3	3.7			
FM (30°-60°)	2390.4	18.2			
FH (60°-80°)	3617.7	27.5			G2/5000
FVH (80°-90°)	75.2	0.6			G1/100
BL (0°-30°)	492.3	3.7	B1/500		
BM (30°-60°)	2390.4	18.2	B2/2500		
BH (60°-80°)	3617.7	27.5	B4/5000		G2/5000
BVH (80°-90°)	75.2	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°	1199.6	1199.6	1199.6	1199.6	1199.6	1199.6	1199.6	1199.6	1199.6	1199.6
2.5°	1192.1	1195.5	1194.2	1191.4	1191.4	1189.4	1191.4	1192.8	1194.9	1196.2
5°	1176.4	1179.1	1178.4	1176.4	1177.1	1175.0	1176.4	1178.4	1179.8	1180.5
7.5°	1162.7	1165.5	1164.1	1160.7	1160.7	1158.6	1159.3	1161.4	1163.4	1164.1
10°	1159.3	1162.0	1157.9	1152.5	1150.4	1147.7	1148.4	1150.4	1154.5	1156.6
12.5°	1160.7	1162.7	1158.6	1150.4	1148.4	1145.6	1145.6	1147.7	1153.2	1155.9
15°	1164.8	1166.8	1160.7	1151.8	1149.7	1147.7	1147.0	1149.7	1155.9	1160.7
17.5°	1172.3	1174.3	1164.8	1152.5	1149.7	1150.4	1149.7	1151.8	1161.4	1170.2
20°	1179.1	1180.5	1167.5	1152.5	1149.7	1150.4	1149.7	1153.8	1166.1	1178.4
22.5°	1181.2	1182.5	1170.2	1157.3	1155.2	1155.9	1155.2	1159.3	1170.9	1183.2
25°	1181.9	1183.9	1174.3	1164.1	1167.5	1168.9	1167.5	1168.2	1177.1	1188.0
27.5°	1192.1	1194.9	1186.0	1177.1	1179.1	1178.4	1180.5	1182.5	1189.4	1200.3
30°	1213.3	1215.4	1207.8	1199.0	1197.6	1192.8	1199.0	1205.8	1213.3	1222.9
32.5°	1248.2	1252.3	1242.7	1233.1	1227.0	1224.2	1229.0	1240.6	1250.9	1261.2
35°	1306.3	1309.0	1300.1	1282.3	1271.4	1271.4	1275.5	1290.5	1307.0	1319.9
37.5°	1388.3	1391.7	1376.0	1354.8	1338.4	1338.4	1343.9	1359.6	1384.2	1402.7
40°	1488.1	1492.9	1473.1	1451.2	1435.5	1432.7	1439.6	1457.3	1480.6	1503.8
42.5°	1608.4	1613.9	1587.9	1568.8	1556.5	1556.5	1559.9	1576.3	1597.5	1626.2
45°	1762.2	1771.8	1736.2	1717.1	1705.5	1708.2	1710.3	1724.6	1743.7	1776.6
47.5°	1945.4	1955.0	1917.4	1897.5	1895.5	1908.5	1900.3	1910.5	1920.8	1958.4
50°	2153.2	2169.6	2143.6	2142.3	2146.4	2170.3	2151.1	2156.6	2145.0	2168.9
52.5°	2407.5	2431.4	2426.6	2434.8	2480.6	2529.8	2486.1	2466.9	2423.2	2430.7
55°	2715.8	2752.0	2758.8	2808.0	2911.9	3012.4	2919.5	2842.2	2749.3	2732.2
57.5°	3066.4	3095.1	3127.9	3228.4	3422.6	3601.0	3422.6	3251.7	3105.4	3070.5
60°	3443.7	3479.3	3510.7	3659.1	3947.5	4198.4	3942.1	3670.7	3477.2	3430.1
62.5°	3849.1	3894.9	3916.8	4081.5	4417.8	4717.2	4422.6	4093.8	3879.2	3828.6
65°	4238.0	4275.6	4300.2	4475.9	4797.2	5097.3	4819.1	4495.0	4274.3	4208.0
67.5°	4419.2	4439.7	4499.8	4698.7	5037.8	5380.2	5095.2	4719.9	4473.2	4357.0
70°	4154.0	4112.3	4257.2	4575.7	5066.5	5553.9	5132.1	4566.1	4264.0	4075.3
72.5°	3210.0	3138.2	3389.7	3934.5	4738.4	5443.1	4771.2	3965.3	3546.3	3163.5
75°	1746.5	1665.1	2012.4	2701.4	3778.7	4717.9	3865.5	2778.6	2240.7	1733.5
77.5°	492.8	462.1	742.3	1307.0	2272.8	3312.5	2360.3	1335.7	880.4	522.2
80°	151.1	146.3	198.2	393.7	965.2	1586.5	927.6	398.5	252.2	159.3
82.5°	89.5	82.0	98.4	143.5	246.1	498.3	239.2	149.7	120.3	80.7
85°	51.3	47.8	58.1	69.7	82.7	106.0	69.0	71.1	64.3	43.1
87.5°	21.2	19.1	22.6	21.9	19.1	24.6	18.5	21.9	26.0	17.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1199.6
1195.5
1180.5
1164.1
1156.6
1156.6
1161.4
1170.2
1179.1
1183.2
1187.3
1197.6
1220.8
1257.1
1315.2
1395.8
1496.3
1624.1
1775.2
1947.4
2154.6
2405.4
2705.5
3045.9
3389.1
3787.6
4175.1
4358.3
4120.5
3258.5
1846.3
580.3
168.2
87.5
45.1
15.7
0.0

OF REPORT)