

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: P847291

Luminaire Tested: **GLAN-SB3B-827-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847291
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-SB3B-827-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13626 lumens
Efficiency: N/A
Efficacy: 124.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

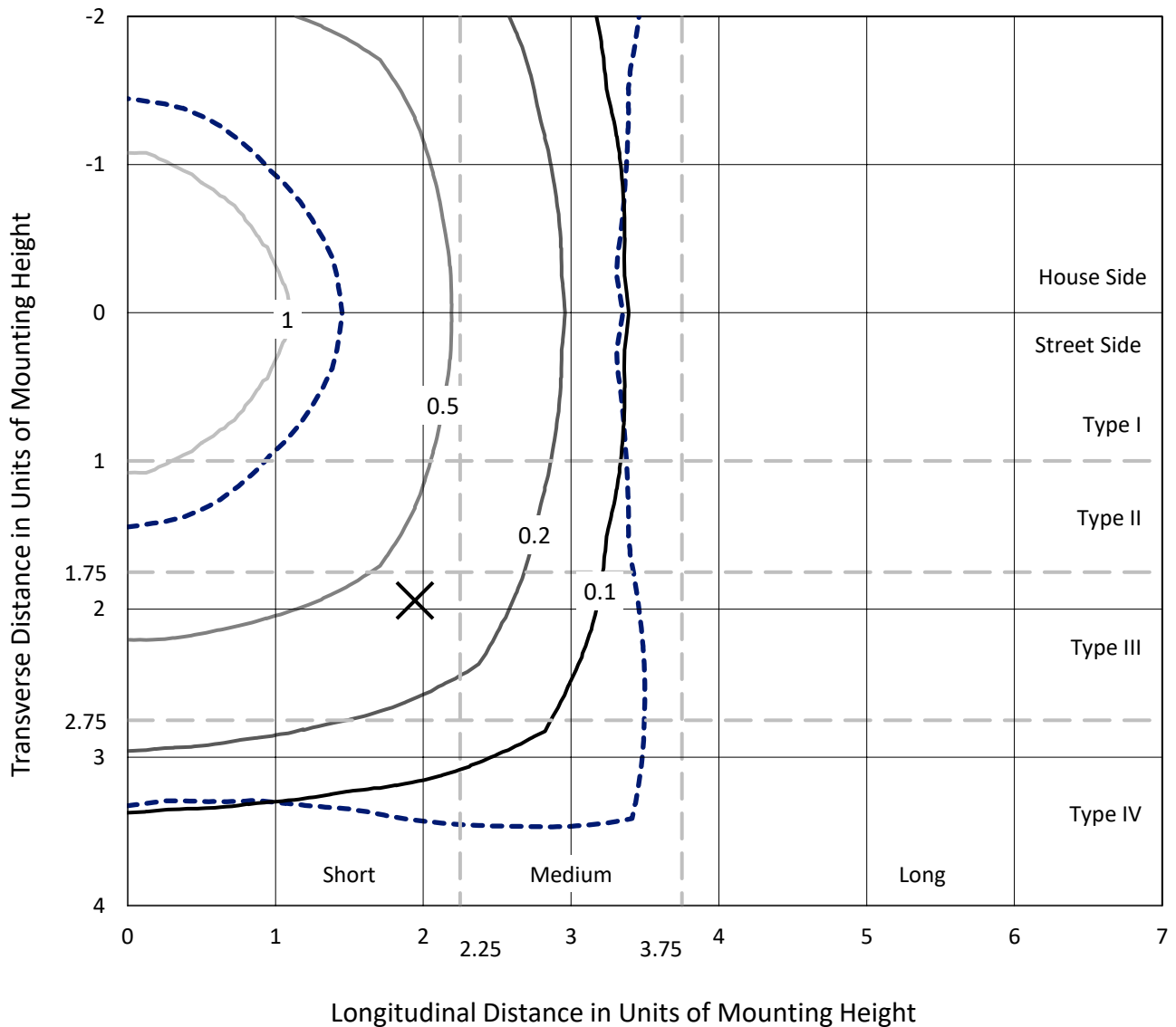
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

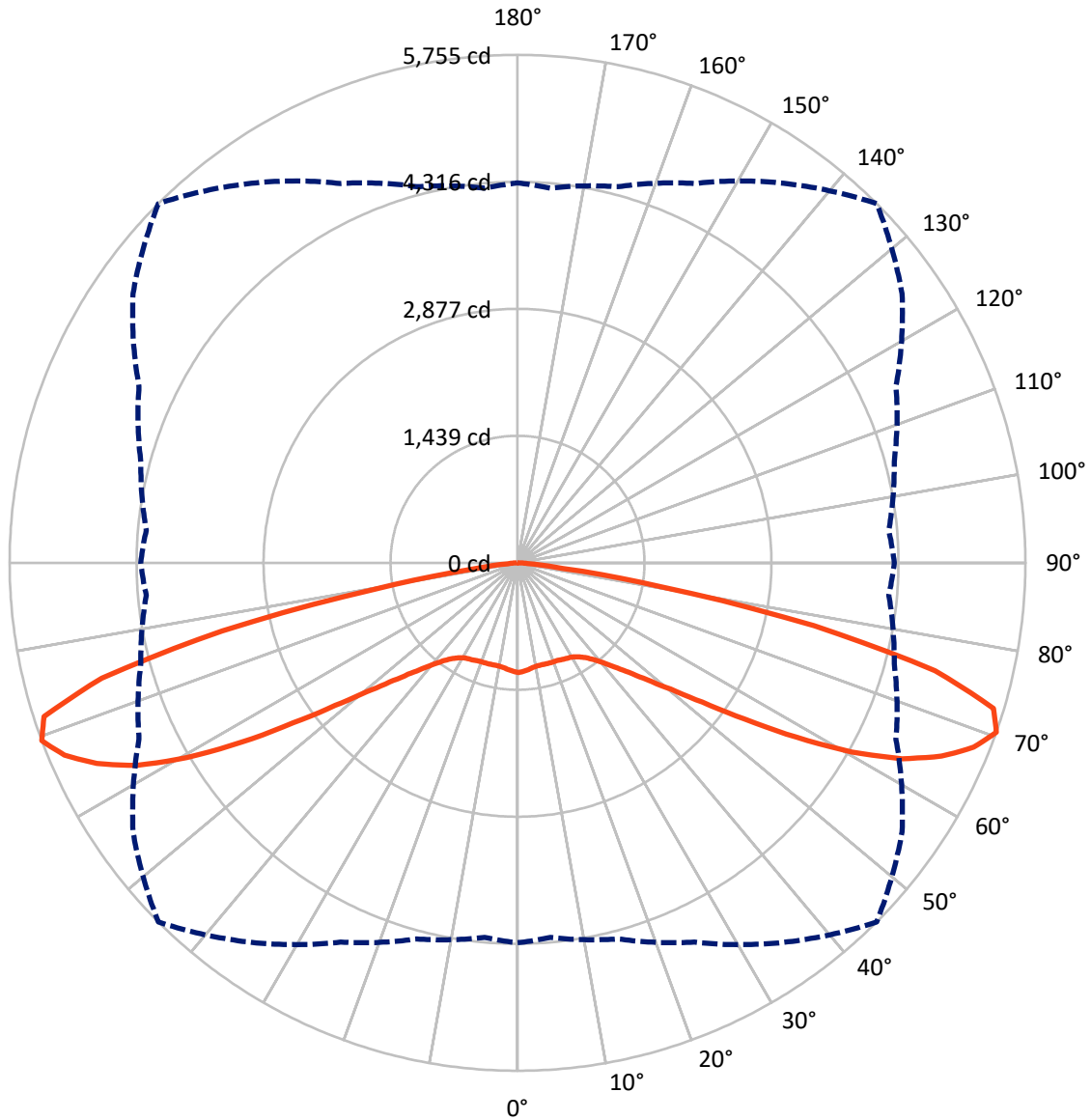
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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	6813.0	0.0	6813.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6813.0	0.0	6813.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13626.0	0.0	13626.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.6	0.8
10°-20°	339.5	2.5
20°-30°	565.0	4.1
30°-40°	854.4	6.3
40°-50°	1419.9	10.4
50°-60°	2679.2	19.7
60°-70°	4524.0	33.2
70°-80°	2972.7	21.8
80°-90°	155.7	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°	13626.0	100.0
0°-180°	13626.0	100.0

Coefficient of Utilization



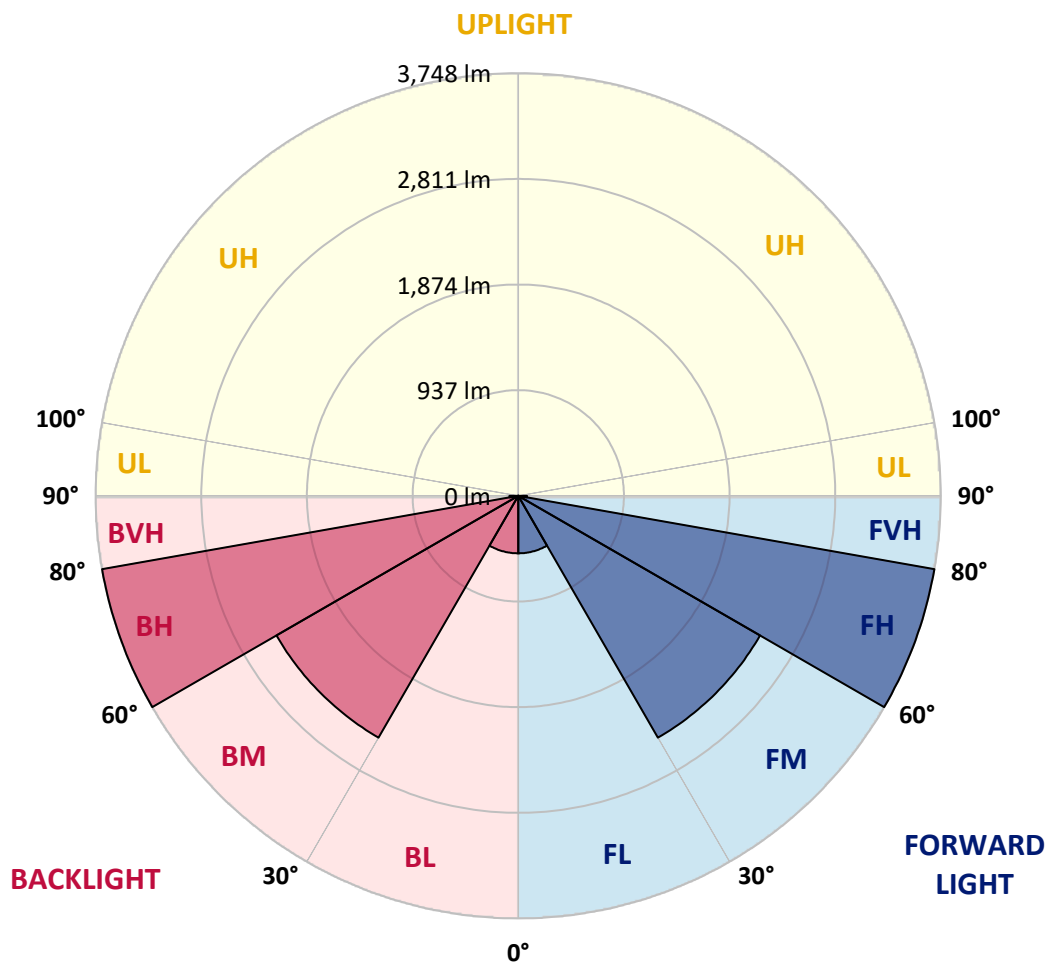
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	510.1	3.7			
FM (30°-60°)	2476.7	18.2			
FH (60°-80°)	3748.3	27.5			G2/5000
FVH (80°-90°)	77.9	0.6			G1/100
BL (0°-30°)	510.1	3.7	B2/1000		
BM (30°-60°)	2476.7	18.2	B2/2500		
BH (60°-80°)	3748.3	27.5	B4/5000		G2/5000
BVH (80°-90°)	77.9	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°	1243.0	1243.0	1243.0	1243.0	1243.0	1243.0	1243.0	1243.0	1243.0	1243.0
2.5°	1235.2	1238.7	1237.3	1234.5	1234.5	1232.3	1234.5	1235.9	1238.0	1239.4
5°	1218.9	1221.7	1221.0	1218.9	1219.6	1217.5	1218.9	1221.0	1222.4	1223.1
7.5°	1204.7	1207.6	1206.1	1202.6	1202.6	1200.5	1201.2	1203.3	1205.4	1206.1
10°	1201.2	1204.0	1199.8	1194.1	1192.0	1189.1	1189.8	1192.0	1196.2	1198.3
12.5°	1202.6	1204.7	1200.5	1192.0	1189.8	1187.0	1187.0	1189.1	1194.8	1197.6
15°	1206.8	1209.0	1202.6	1193.4	1191.3	1189.1	1188.4	1191.3	1197.6	1202.6
17.5°	1214.6	1216.8	1206.8	1194.1	1191.3	1192.0	1191.3	1193.4	1203.3	1212.5
20°	1221.7	1223.1	1209.7	1194.1	1191.3	1192.0	1191.3	1195.5	1208.3	1221.0
22.5°	1223.8	1225.3	1212.5	1199.1	1196.9	1197.6	1196.9	1201.2	1213.2	1226.0
25°	1224.6	1226.7	1216.8	1206.1	1209.7	1211.1	1209.7	1210.4	1219.6	1230.9
27.5°	1235.2	1238.0	1228.8	1219.6	1221.7	1221.0	1223.1	1225.3	1232.3	1243.7
30°	1257.1	1259.3	1251.5	1242.3	1240.8	1235.9	1242.3	1249.3	1257.1	1267.0
32.5°	1293.3	1297.5	1287.6	1277.7	1271.3	1268.5	1273.4	1285.5	1296.1	1306.7
35°	1353.5	1356.3	1347.1	1328.7	1317.3	1317.3	1321.6	1337.2	1354.2	1367.6
37.5°	1438.4	1442.0	1425.7	1403.7	1386.7	1386.7	1392.4	1408.7	1434.2	1453.3
40°	1541.8	1546.8	1526.3	1503.6	1487.3	1484.5	1491.6	1510.0	1534.1	1558.1
42.5°	1666.5	1672.2	1645.2	1625.4	1612.7	1612.7	1616.2	1633.2	1655.2	1684.9
45°	1825.8	1835.8	1798.9	1779.1	1767.1	1769.9	1772.0	1786.9	1806.7	1840.7
47.5°	2015.7	2025.6	1986.6	1966.1	1964.0	1977.4	1968.9	1979.5	1990.2	2029.1
50°	2231.0	2248.0	2221.0	2219.6	2223.9	2248.7	2228.8	2234.5	2222.5	2247.3
52.5°	2494.4	2519.2	2514.3	2522.8	2570.2	2621.2	2575.9	2556.0	2510.7	2518.5
55°	2813.8	2851.4	2858.5	2909.5	3017.1	3121.2	3024.9	2944.9	2848.6	2830.8
57.5°	3177.2	3206.9	3240.9	3345.0	3546.2	3731.0	3546.2	3369.1	3217.5	3181.4
60°	3568.1	3605.0	3637.5	3791.2	4090.1	4350.0	4084.4	3803.3	3602.8	3554.0
62.5°	3988.1	4035.6	4058.2	4228.9	4577.4	4887.6	4582.3	4241.7	4019.3	3966.9
65°	4391.1	4430.1	4455.6	4637.6	4970.4	5281.4	4993.1	4657.4	4428.6	4359.9
67.5°	4578.8	4600.0	4662.4	4868.5	5219.7	5574.6	5279.2	4890.4	4634.7	4514.3
70°	4304.0	4260.8	4410.9	4741.0	5249.5	5754.5	5317.5	4731.1	4418.0	4222.5
72.5°	3325.9	3251.5	3512.2	4076.6	4909.5	5639.7	4943.5	4108.5	3674.4	3277.7
75°	1809.6	1725.3	2085.1	2799.0	3915.2	4888.3	4005.1	2879.0	2321.6	1796.1
77.5°	510.6	478.8	769.2	1354.2	2354.9	3432.1	2445.6	1383.9	912.2	541.1
80°	156.5	151.6	205.4	407.9	1000.0	1643.8	961.1	412.9	261.3	165.0
82.5°	92.8	85.0	102.0	148.7	255.0	516.3	247.9	155.1	124.7	83.6
85°	53.1	49.6	60.2	72.2	85.7	109.8	71.5	73.7	66.6	44.6
87.5°	22.0	19.8	23.4	22.7	19.8	25.5	19.1	22.7	26.9	17.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1243.0
1238.7
1223.1
1206.1
1198.3
1198.3
1203.3
1212.5
1221.7
1226.0
1230.2
1240.8
1264.9
1302.5
1362.7
1446.2
1550.3
1682.8
1839.3
2017.8
2232.4
2492.3
2803.2
3155.9
3511.5
3924.4
4325.9
4515.8
4269.3
3376.2
1913.0
601.3
174.2
90.7
46.7
16.3
0.0

OF REPORT)