

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: P847511

Luminaire Tested: **GLAN-SB3C-927-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847511
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-SB3C-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14637 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

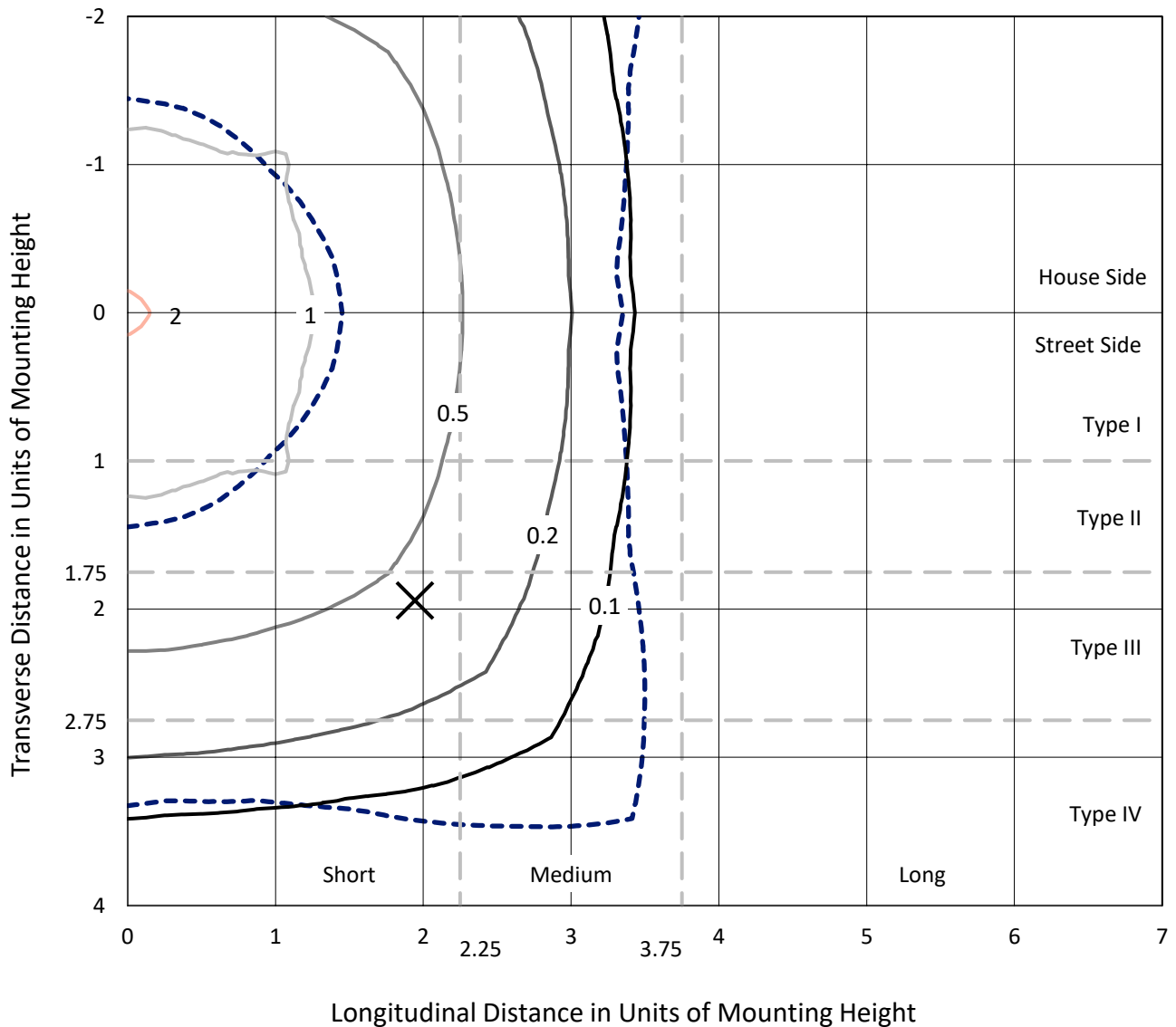
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

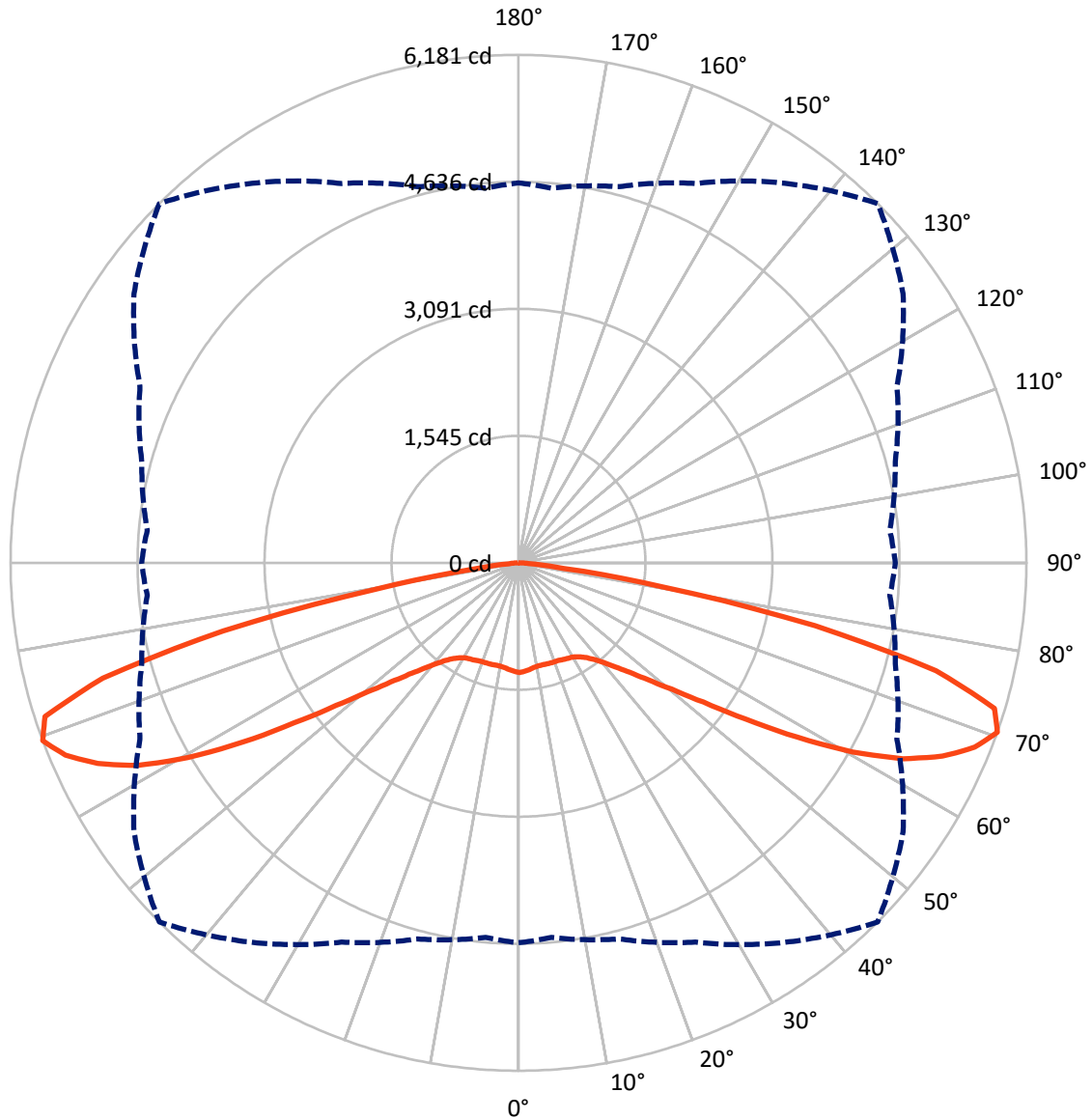
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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	7318.5	0.0	7318.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7318.5	0.0	7318.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14637.0	0.0	14637.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.2	0.8
10°-20°	364.7	2.5
20°-30°	606.9	4.1
30°-40°	917.8	6.3
40°-50°	1525.2	10.4
50°-60°	2878.0	19.7
60°-70°	4859.6	33.2
70°-80°	3193.3	21.8
80°-90°	167.3	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°	14637.0	100.0
0°-180°	14637.0	100.0

Coefficient of Utilization



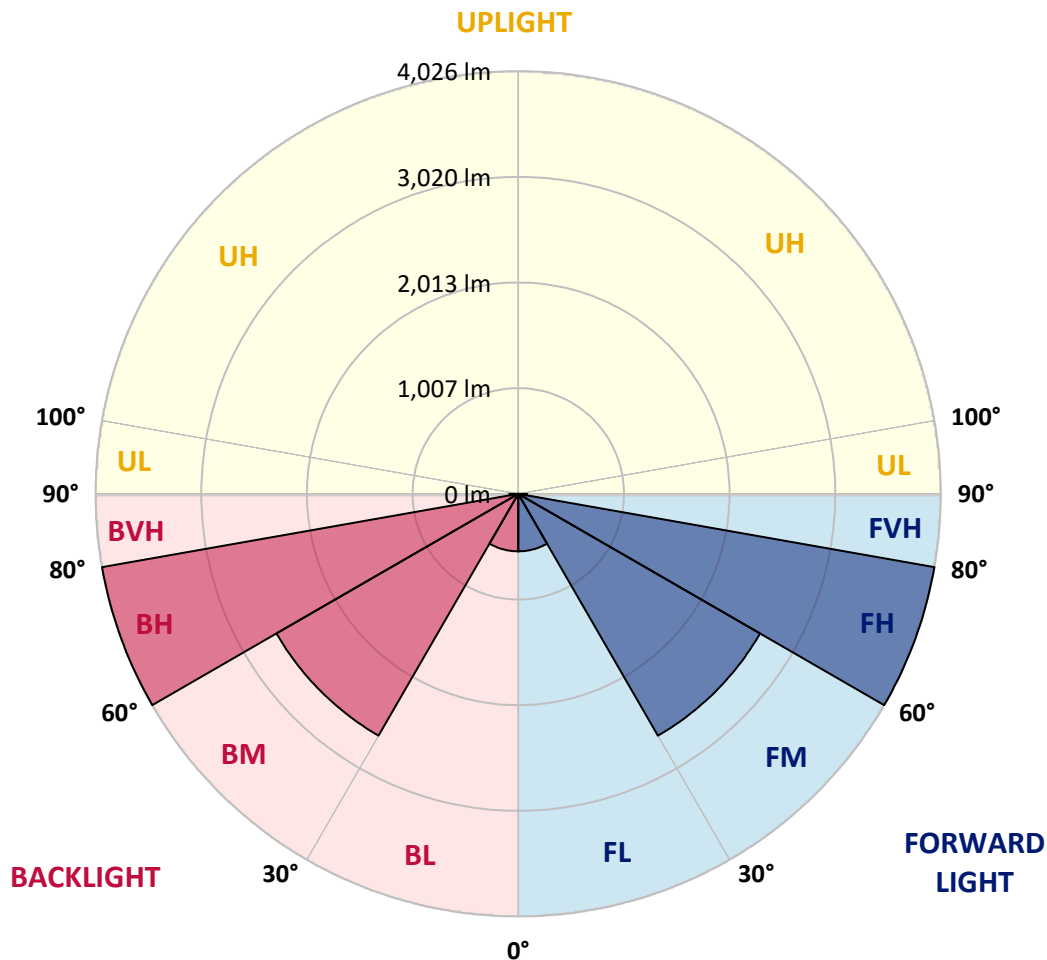
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	547.9	3.7			
FM (30°-60°)	2660.5	18.2			
FH (60°-80°)	4026.4	27.5			G2/5000
FVH (80°-90°)	83.6	0.6			G1/100
BL (0°-30°)	547.9	3.7	B2/1000		
BM (30°-60°)	2660.5	18.2	B3/5000		
BH (60°-80°)	4026.4	27.5	B4/5000		G2/5000
BVH (80°-90°)	83.6	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°	1335.2	1335.2	1335.2	1335.2	1335.2	1335.2	1335.2	1335.2	1335.2	1335.2
2.5°	1326.8	1330.6	1329.1	1326.1	1326.1	1323.8	1326.1	1327.6	1329.9	1331.4
5°	1309.3	1312.4	1311.6	1309.3	1310.1	1307.8	1309.3	1311.6	1313.1	1313.9
7.5°	1294.1	1297.1	1295.6	1291.8	1291.8	1289.5	1290.3	1292.6	1294.9	1295.6
10°	1290.3	1293.3	1288.8	1282.7	1280.4	1277.4	1278.1	1280.4	1285.0	1287.3
12.5°	1291.8	1294.1	1289.5	1280.4	1278.1	1275.1	1275.1	1277.4	1283.5	1286.5
15°	1296.4	1298.7	1291.8	1281.9	1279.7	1277.4	1276.6	1279.7	1286.5	1291.8
17.5°	1304.8	1307.0	1296.4	1282.7	1279.7	1280.4	1279.7	1281.9	1292.6	1302.5
20°	1312.4	1313.9	1299.4	1282.7	1279.7	1280.4	1279.7	1284.2	1297.9	1311.6
22.5°	1314.6	1316.2	1302.5	1288.0	1285.7	1286.5	1285.7	1290.3	1303.2	1316.9
25°	1315.4	1317.7	1307.0	1295.6	1299.4	1301.0	1299.4	1300.2	1310.1	1322.3
27.5°	1326.8	1329.9	1320.0	1310.1	1312.4	1311.6	1313.9	1316.2	1323.8	1335.9
30°	1350.4	1352.7	1344.3	1334.4	1332.9	1327.6	1334.4	1342.0	1350.4	1361.1
32.5°	1389.2	1393.8	1383.1	1372.5	1365.6	1362.6	1367.9	1380.8	1392.2	1403.7
35°	1453.9	1456.9	1447.0	1427.2	1415.1	1415.1	1419.6	1436.4	1454.6	1469.1
37.5°	1545.2	1549.0	1531.5	1507.9	1489.6	1489.6	1495.7	1513.2	1540.6	1561.1
40°	1656.2	1661.6	1639.5	1615.2	1597.7	1594.6	1602.2	1622.0	1647.9	1673.7
42.5°	1790.1	1796.2	1767.3	1746.0	1732.3	1732.3	1736.1	1754.4	1778.0	1809.9
45°	1961.3	1972.0	1932.4	1911.1	1898.2	1901.2	1903.5	1919.5	1940.8	1977.3
47.5°	2165.2	2175.9	2134.0	2112.0	2109.7	2124.1	2115.0	2126.4	2137.8	2179.7
50°	2396.5	2414.8	2385.8	2384.3	2388.9	2415.5	2394.2	2400.3	2387.4	2414.0
52.5°	2679.5	2706.1	2700.8	2709.9	2760.9	2815.7	2767.0	2745.7	2697.0	2705.4
55°	3022.6	3062.9	3070.6	3125.3	3241.0	3352.8	3249.3	3163.4	3059.9	3040.9
57.5°	3412.9	3444.9	3481.4	3593.2	3809.3	4007.8	3809.3	3619.1	3456.3	3417.5
60°	3832.9	3872.4	3907.4	4072.5	4393.6	4672.8	4387.5	4085.5	3870.1	3817.7
62.5°	4284.0	4335.0	4359.3	4542.7	4917.0	5250.2	4922.3	4556.4	4317.5	4261.2
65°	4716.9	4758.8	4786.1	4981.7	5339.2	5673.2	5363.6	5003.0	4757.2	4683.4
67.5°	4918.5	4941.3	5008.3	5229.7	5607.0	5988.2	5670.9	5253.3	4978.6	4849.3
70°	4623.3	4576.9	4738.2	5092.7	5639.0	6181.4	5712.0	5082.1	4745.8	4535.8
72.5°	3572.7	3492.8	3772.8	4379.1	5273.8	6058.2	5310.3	4413.4	3947.0	3520.9
75°	1943.8	1853.3	2239.8	3006.6	4205.7	5251.0	4302.3	3092.6	2493.9	1929.4
77.5°	548.5	514.3	826.2	1454.6	2529.6	3686.8	2627.0	1486.6	979.9	581.2
80°	168.1	162.8	220.6	438.2	1074.2	1765.8	1032.4	443.5	280.7	177.3
82.5°	99.7	91.3	109.6	159.8	273.9	554.6	266.3	166.6	133.9	89.8
85°	57.1	53.3	64.7	77.6	92.1	117.9	76.8	79.1	71.5	47.9
87.5°	23.6	21.3	25.1	24.3	21.3	27.4	20.5	24.3	28.9	19.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1335.2
1330.6
1313.9
1295.6
1287.3
1287.3
1292.6
1302.5
1312.4
1316.9
1321.5
1332.9
1358.8
1399.1
1463.8
1553.5
1665.4
1807.6
1975.8
2167.5
2398.0
2677.2
3011.2
3390.1
3772.0
4215.5
4646.9
4850.8
4586.1
3626.7
2054.9
645.9
187.2
97.4
50.2
17.5
0.0

OF REPORT)