

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: P846731

Luminaire Tested: **GLAN-SB2C-730-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846731
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-SB2C-730-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14634 lumens
Efficiency: N/A
Efficacy: 145.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

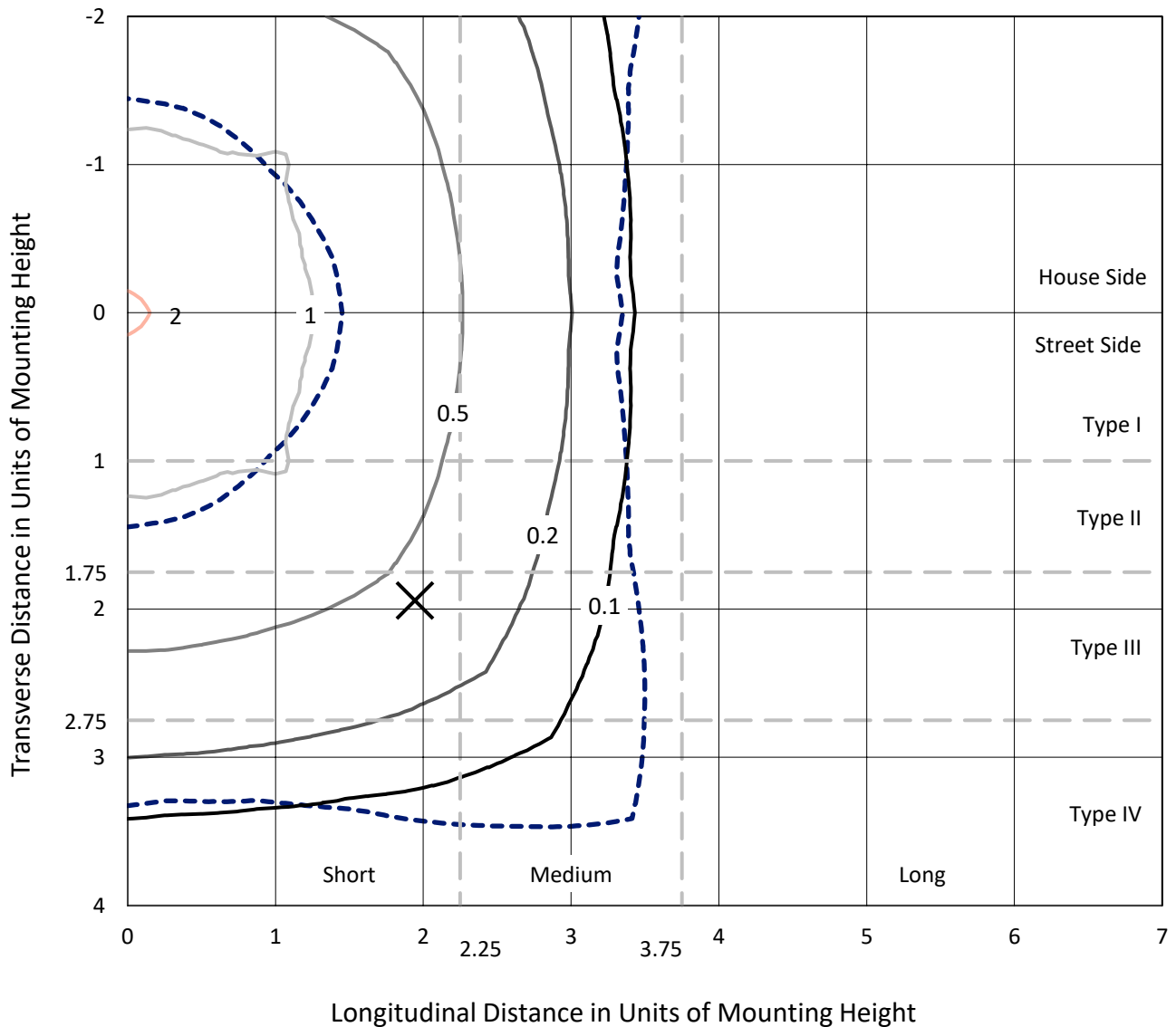
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

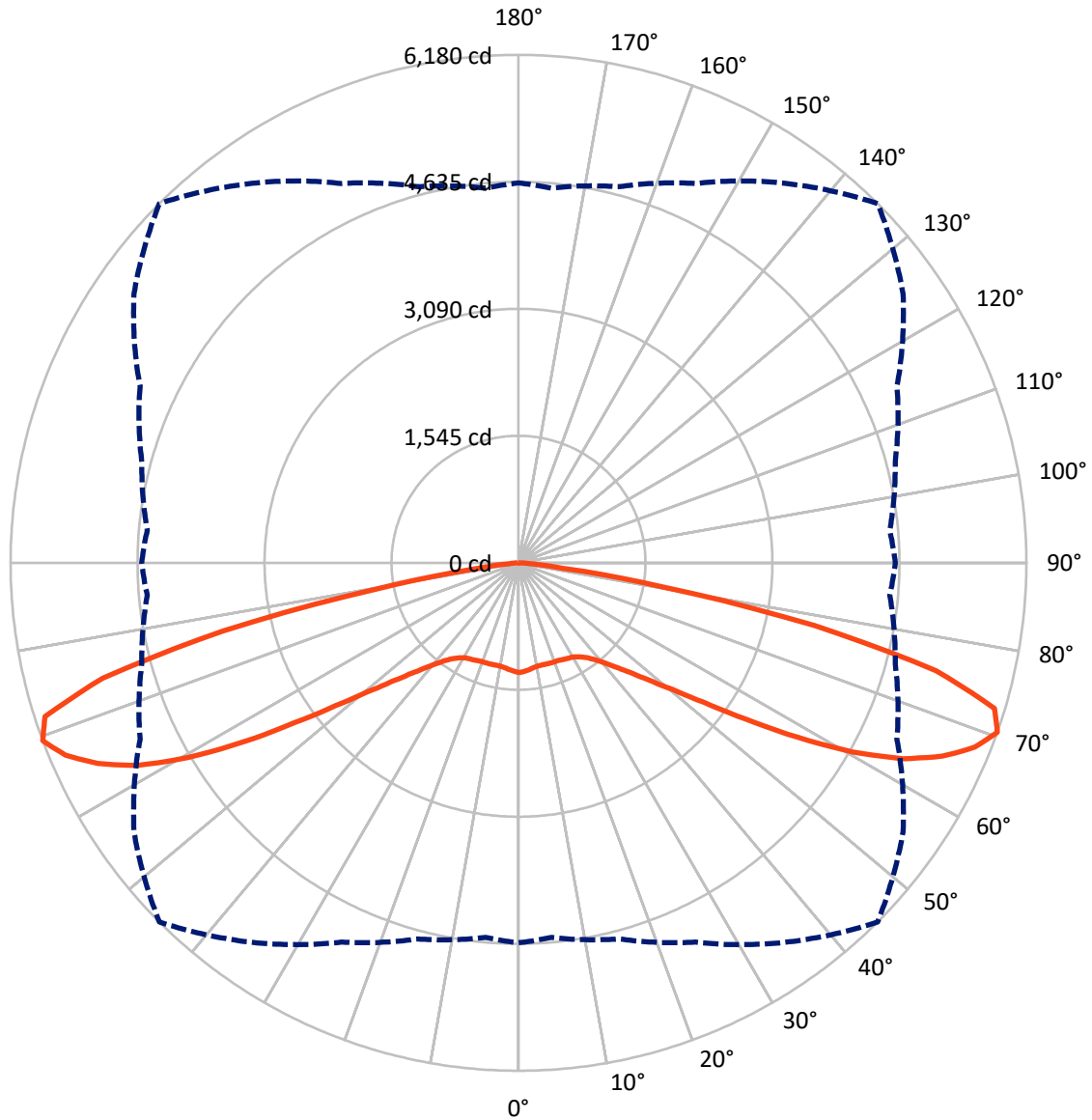
✕ Max cd
 - - - 1/2 Max cd



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	7317.0	0.0	7317.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7317.0	0.0	7317.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14634.0	0.0	14634.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.2	0.8
10°-20°	364.6	2.5
20°-30°	606.8	4.1
30°-40°	917.6	6.3
40°-50°	1524.9	10.4
50°-60°	2877.4	19.7
60°-70°	4858.6	33.2
70°-80°	3192.6	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°	14634.0	100.0
0°-180°	14634.0	100.0

Coefficient of Utilization



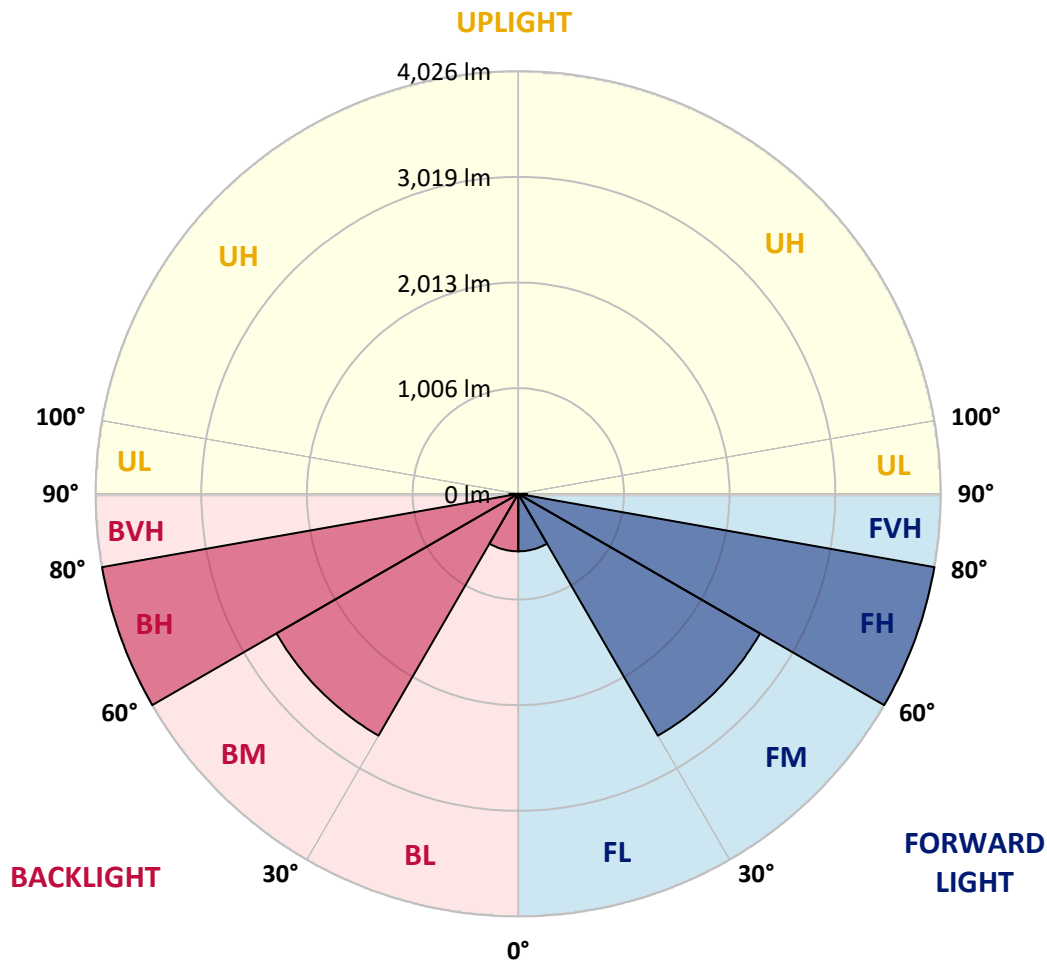
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	547.8	3.7			
FM (30°-60°)	2660.0	18.2			
FH (60°-80°)	4025.6	27.5			G2/5000
FVH (80°-90°)	83.6	0.6			G1/100
BL (0°-30°)	547.8	3.7	B2/1000		
BM (30°-60°)	2660.0	18.2	B3/5000		
BH (60°-80°)	4025.6	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°	1334.9	1334.9	1334.9	1334.9	1334.9	1334.9	1334.9	1334.9	1334.9	1334.9
2.5°	1326.5	1330.4	1328.8	1325.8	1325.8	1323.5	1325.8	1327.3	1329.6	1331.1
5°	1309.1	1312.1	1311.3	1309.1	1309.8	1307.5	1309.1	1311.3	1312.9	1313.6
7.5°	1293.8	1296.9	1295.4	1291.6	1291.6	1289.3	1290.0	1292.3	1294.6	1295.4
10°	1290.0	1293.1	1288.5	1282.4	1280.1	1277.1	1277.9	1280.1	1284.7	1287.0
12.5°	1291.6	1293.8	1289.3	1280.1	1277.9	1274.8	1274.8	1277.1	1283.2	1286.2
15°	1296.1	1298.4	1291.6	1281.7	1279.4	1277.1	1276.3	1279.4	1286.2	1291.6
17.5°	1304.5	1306.8	1296.1	1282.4	1279.4	1280.1	1279.4	1281.7	1292.3	1302.2
20°	1312.1	1313.6	1299.2	1282.4	1279.4	1280.1	1279.4	1284.0	1297.6	1311.3
22.5°	1314.4	1315.9	1302.2	1287.8	1285.5	1286.2	1285.5	1290.0	1303.0	1316.7
25°	1315.1	1317.4	1306.8	1295.4	1299.2	1300.7	1299.2	1299.9	1309.8	1322.0
27.5°	1326.5	1329.6	1319.7	1309.8	1312.1	1311.3	1313.6	1315.9	1323.5	1335.7
30°	1350.1	1352.4	1344.0	1334.2	1332.6	1327.3	1334.2	1341.8	1350.1	1360.8
32.5°	1388.9	1393.5	1382.8	1372.2	1365.3	1362.3	1367.6	1380.6	1392.0	1403.4
35°	1453.6	1456.6	1446.7	1427.0	1414.8	1414.8	1419.3	1436.1	1454.3	1468.8
37.5°	1544.9	1548.7	1531.2	1507.6	1489.3	1489.3	1495.4	1512.9	1540.3	1560.8
40°	1655.9	1661.2	1639.2	1614.8	1597.3	1594.3	1601.9	1621.7	1647.5	1673.4
42.5°	1789.8	1795.9	1767.0	1745.7	1732.0	1732.0	1735.8	1754.0	1777.6	1809.6
45°	1960.9	1971.6	1932.0	1910.7	1897.8	1900.8	1903.1	1919.1	1940.4	1976.9
47.5°	2164.8	2175.4	2133.6	2111.5	2109.2	2123.7	2114.6	2126.0	2137.4	2179.2
50°	2396.0	2414.3	2385.4	2383.8	2388.4	2415.0	2393.7	2399.8	2386.9	2413.5
52.5°	2679.0	2705.6	2700.3	2709.4	2760.3	2815.1	2766.4	2745.1	2696.5	2704.8
55°	3022.0	3062.3	3069.9	3124.7	3240.3	3352.1	3248.7	3162.7	3059.3	3040.3
57.5°	3412.2	3444.2	3480.7	3592.5	3808.5	4007.0	3808.5	3618.3	3455.6	3416.8
60°	3832.1	3871.6	3906.6	4071.7	4392.7	4671.8	4386.6	4084.6	3869.4	3816.9
62.5°	4283.1	4334.1	4358.4	4541.8	4916.0	5249.1	4921.3	4555.4	4316.6	4260.3
65°	4715.9	4757.8	4785.2	4980.6	5338.1	5672.1	5362.5	5001.9	4756.3	4682.5
67.5°	4917.5	4940.3	5007.3	5228.6	5605.9	5987.0	5669.8	5252.2	4977.6	4848.3
70°	4622.4	4576.0	4737.2	5091.7	5637.8	6180.2	5710.9	5081.0	4744.8	4534.9
72.5°	3571.9	3492.1	3772.0	4378.2	5272.7	6056.9	5309.2	4412.4	3946.2	3520.2
75°	1943.4	1852.9	2239.3	3006.0	4204.8	5249.9	4301.4	3092.0	2493.4	1929.0
77.5°	548.4	514.2	826.1	1454.3	2529.1	3686.0	2626.5	1486.3	979.7	581.1
80°	168.1	162.8	220.6	438.1	1074.0	1765.4	1032.2	443.5	280.7	177.2
82.5°	99.6	91.3	109.5	159.7	273.8	554.5	266.2	166.6	133.9	89.8
85°	57.0	53.2	64.7	77.6	92.0	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°
1334.9
1330.4
1313.6
1295.4
1287.0
1287.0
1292.3
1302.2
1312.1
1316.7
1321.2
1332.6
1358.5
1398.8
1463.5
1553.2
1665.0
1807.3
1975.4
2167.1
2397.5
2676.7
3010.6
3389.4
3771.2
4214.7
4646.0
4849.8
4585.1
3625.9
2054.5
645.8
187.1
97.4
50.2
17.5
0.0

OF REPORT)