

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: P847141

Luminaire Tested: **GLAN-SB3A-835-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847141
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-835-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 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: 11272 lumens
Efficiency: N/A
Efficacy: 133.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

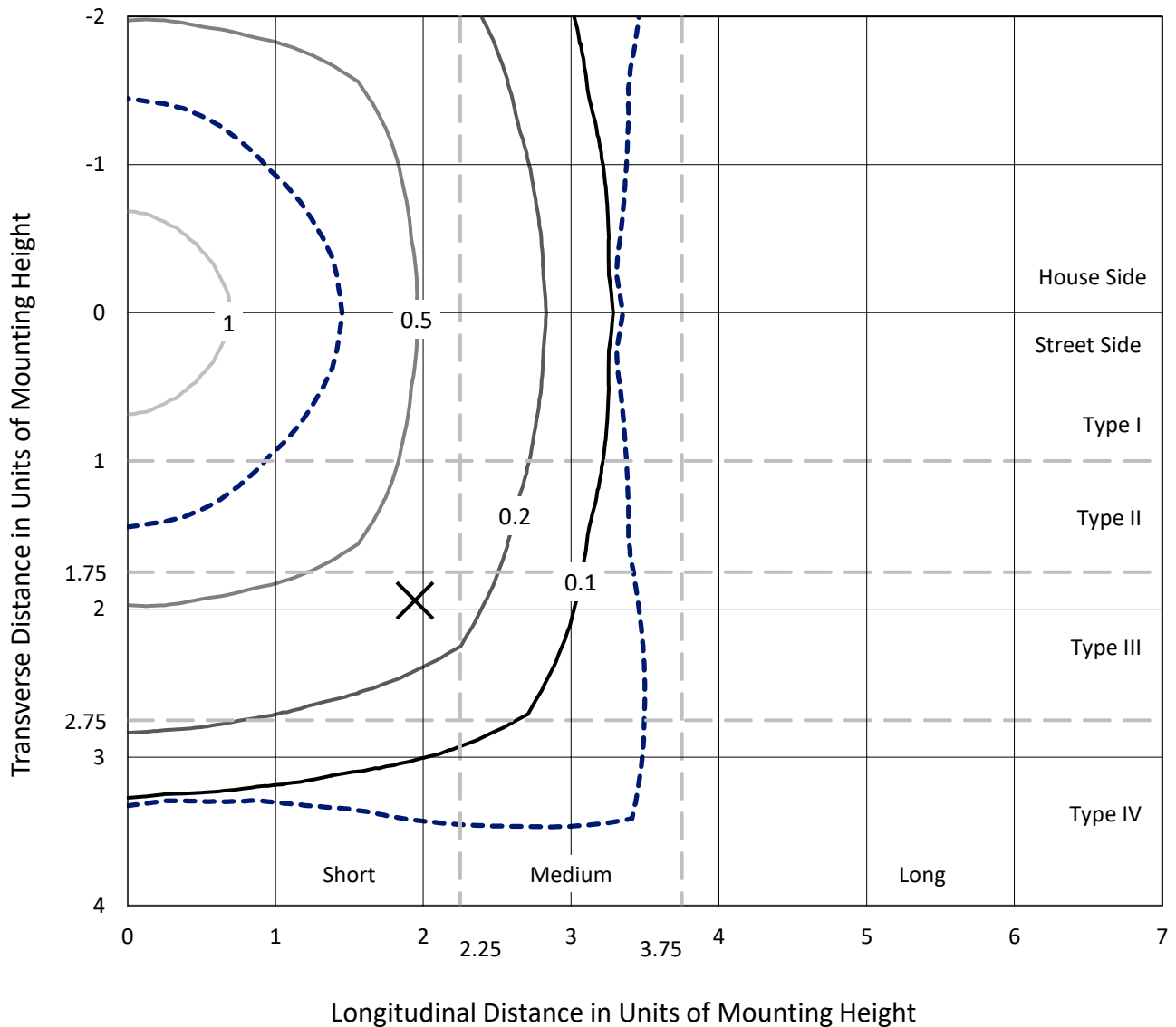
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

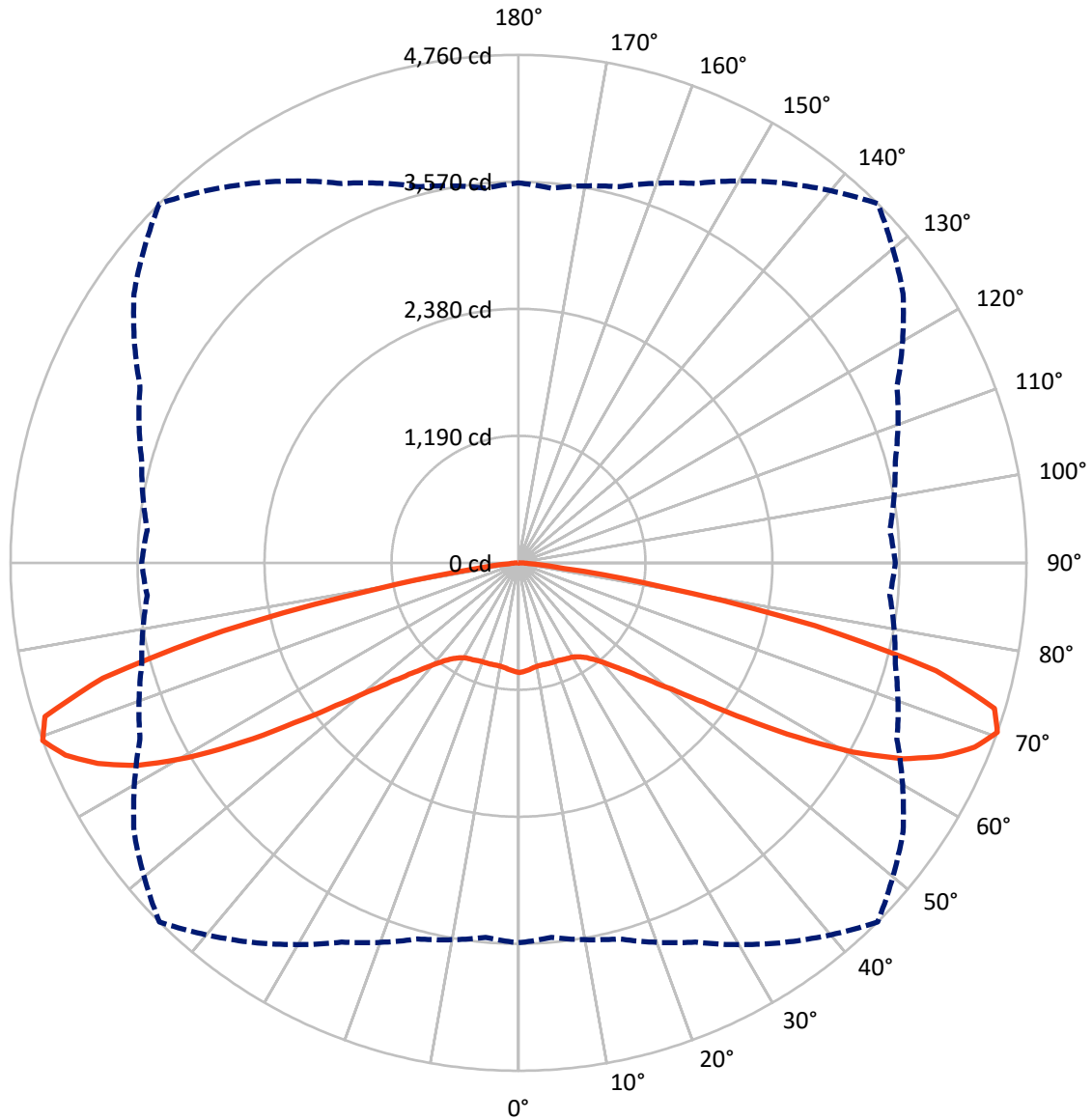
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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	5636.0	0.0	5636.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5636.0	0.0	5636.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11272.0	0.0	11272.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.6	0.8
10°-20°	280.9	2.5
20°-30°	467.4	4.1
30°-40°	706.8	6.3
40°-50°	1174.6	10.4
50°-60°	2216.4	19.7
60°-70°	3742.4	33.2
70°-80°	2459.1	21.8
80°-90°	128.8	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°	11272.0	100.0
0°-180°	11272.0	100.0

Coefficient of Utilization



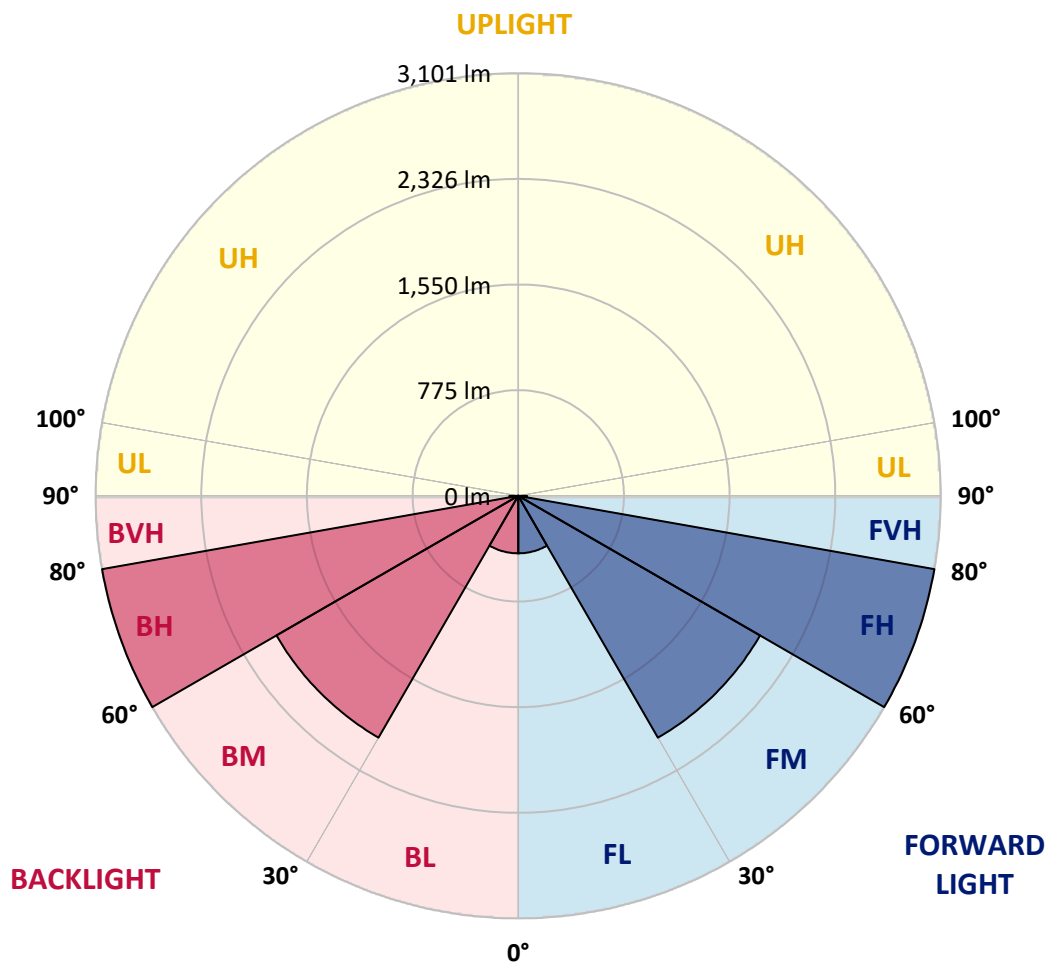
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	421.9	3.7			
FM (30°-60°)	2048.9	18.2			
FH (60°-80°)	3100.8	27.5			G2/5000
FVH (80°-90°)	64.4	0.6			G1/100
BL (0°-30°)	421.9	3.7	B1/500		
BM (30°-60°)	2048.9	18.2	B2/2500		
BH (60°-80°)	3100.8	27.5	B4/5000		G2/5000
BVH (80°-90°)	64.4	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°	1028.2	1028.2	1028.2	1028.2	1028.2	1028.2	1028.2	1028.2	1028.2	1028.2
2.5°	1021.8	1024.7	1023.5	1021.2	1021.2	1019.4	1021.2	1022.4	1024.1	1025.3
5°	1008.3	1010.7	1010.1	1008.3	1008.9	1007.1	1008.3	1010.1	1011.2	1011.8
7.5°	996.6	998.9	997.8	994.8	994.8	993.1	993.7	995.4	997.2	997.8
10°	993.7	996.0	992.5	987.8	986.0	983.7	984.3	986.0	989.6	991.3
12.5°	994.8	996.6	993.1	986.0	984.3	981.9	981.9	983.7	988.4	990.7
15°	998.4	1000.1	994.8	987.2	985.5	983.7	983.1	985.5	990.7	994.8
17.5°	1004.8	1006.6	998.4	987.8	985.5	986.0	985.5	987.2	995.4	1003.0
20°	1010.7	1011.8	1000.7	987.8	985.5	986.0	985.5	989.0	999.5	1010.1
22.5°	1012.4	1013.6	1003.0	991.9	990.2	990.7	990.2	993.7	1003.6	1014.2
25°	1013.0	1014.8	1006.6	997.8	1000.7	1001.9	1000.7	1001.3	1008.9	1018.3
27.5°	1021.8	1024.1	1016.5	1008.9	1010.7	1010.1	1011.8	1013.6	1019.4	1028.8
30°	1040.0	1041.7	1035.3	1027.6	1026.5	1022.4	1027.6	1033.5	1040.0	1048.2
32.5°	1069.8	1073.3	1065.1	1056.9	1051.7	1049.3	1053.4	1063.4	1072.2	1081.0
35°	1119.6	1122.0	1114.4	1099.1	1089.8	1089.8	1093.3	1106.2	1120.2	1131.3
37.5°	1189.9	1192.9	1179.4	1161.2	1147.2	1147.2	1151.9	1165.3	1186.4	1202.2
40°	1275.5	1279.6	1262.6	1243.8	1230.4	1228.0	1233.9	1249.1	1269.0	1289.0
42.5°	1378.6	1383.3	1361.0	1344.6	1334.1	1334.1	1337.0	1351.1	1369.2	1393.8
45°	1510.4	1518.6	1488.2	1471.8	1461.8	1464.1	1465.9	1478.2	1494.6	1522.7
47.5°	1667.4	1675.6	1643.4	1626.4	1624.7	1635.8	1628.8	1637.6	1646.3	1678.6
50°	1845.5	1859.6	1837.3	1836.2	1839.7	1860.2	1843.8	1848.5	1838.5	1859.0
52.5°	2063.5	2084.0	2079.9	2086.9	2126.2	2168.4	2130.9	2114.5	2077.0	2083.4
55°	2327.7	2358.8	2364.6	2406.8	2495.9	2582.0	2502.3	2436.1	2356.4	2341.8
57.5°	2628.3	2652.9	2681.0	2767.1	2933.5	3086.5	2933.5	2787.1	2661.7	2631.8
60°	2951.7	2982.2	3009.1	3136.3	3383.5	3598.5	3378.8	3146.2	2980.4	2940.0
62.5°	3299.1	3338.4	3357.1	3498.3	3786.6	4043.2	3790.7	3508.9	3324.9	3281.6
65°	3632.5	3664.7	3685.8	3836.4	4111.8	4369.0	4130.5	3852.8	3663.6	3606.7
67.5°	3787.8	3805.3	3856.9	4027.4	4318.0	4611.5	4367.2	4045.6	3834.1	3734.4
70°	3560.4	3524.7	3648.9	3921.9	4342.6	4760.3	4398.8	3913.7	3654.8	3493.1
72.5°	2751.3	2689.8	2905.4	3372.4	4061.4	4665.4	4089.5	3398.7	3039.6	2711.5
75°	1496.9	1427.2	1724.9	2315.4	3238.8	4043.8	3313.2	2381.6	1920.5	1485.8
77.5°	422.4	396.1	636.3	1120.2	1948.1	2839.2	2023.1	1144.8	754.6	447.6
80°	129.5	125.4	169.9	337.5	827.3	1359.8	795.0	341.6	216.2	136.5
82.5°	76.8	70.3	84.4	123.0	210.9	427.1	205.1	128.3	103.1	69.1
85°	43.9	41.0	49.8	59.8	70.9	90.8	59.2	60.9	55.1	36.9
87.5°	18.2	16.4	19.3	18.7	16.4	21.1	15.8	18.7	22.3	14.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1028.2
1024.7
1011.8
997.8
991.3
991.3
995.4
1003.0
1010.7
1014.2
1017.7
1026.5
1046.4
1077.4
1127.2
1196.4
1282.5
1392.1
1521.6
1669.2
1846.7
2061.7
2318.9
2610.7
2904.8
3246.4
3578.6
3735.6
3531.7
2792.9
1582.5
497.4
144.1
75.0
38.7
13.5
0.0

OF REPORT)