

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: P846841

Luminaire Tested: **GLAN-SB2C-930-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846841
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-930-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 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: 10220 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

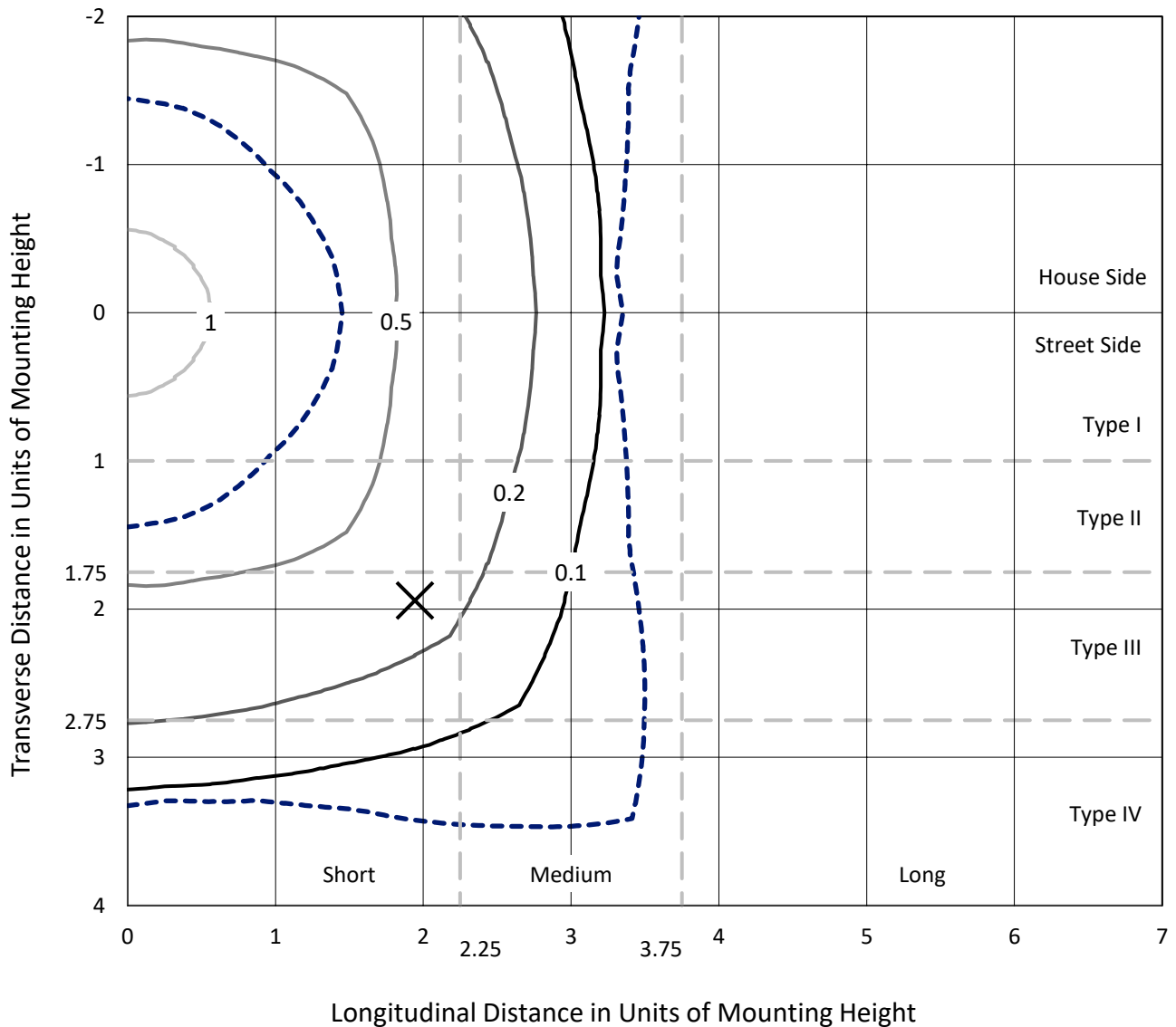
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

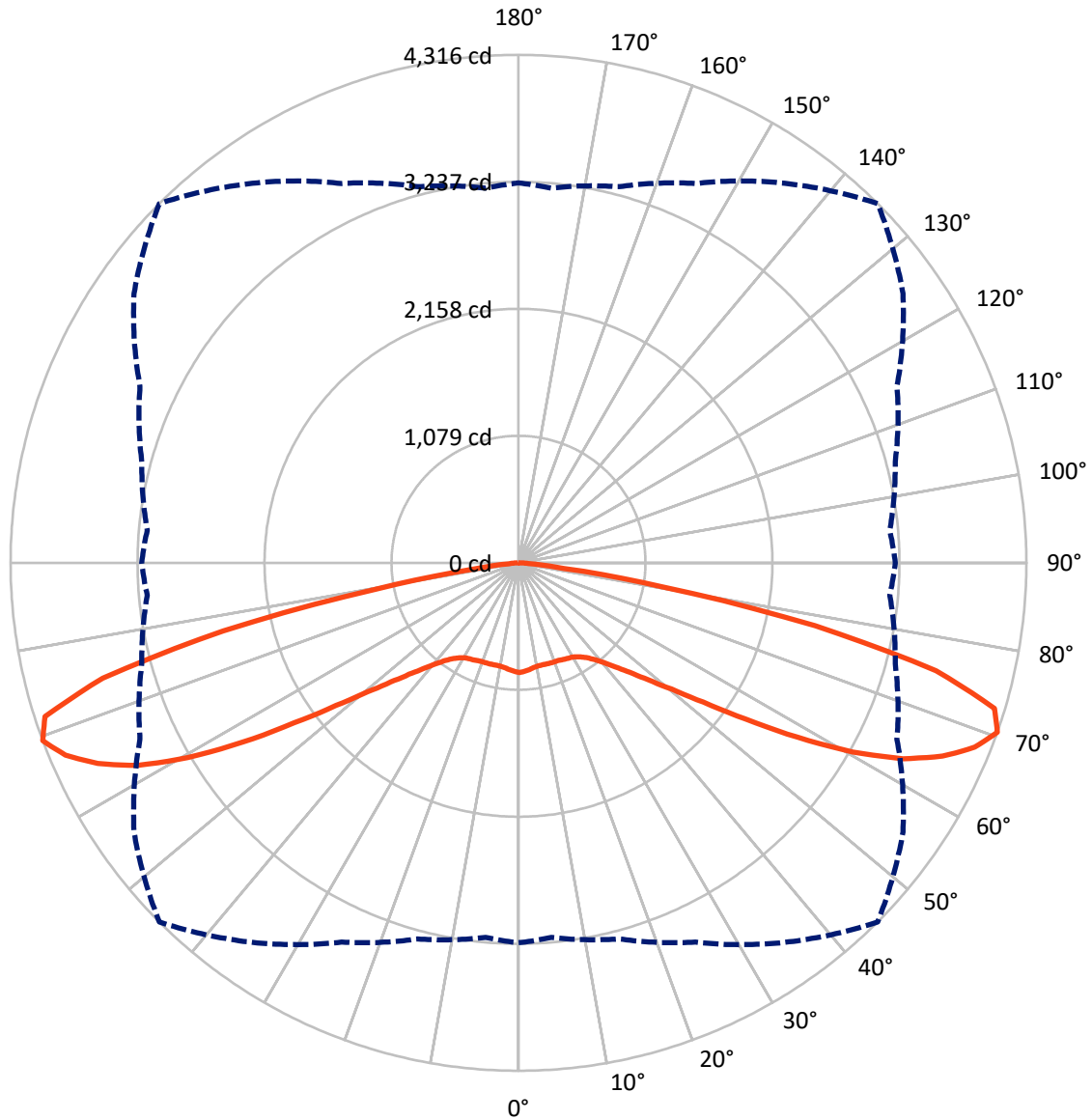
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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	5110.0	0.0	5110.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5110.0	0.0	5110.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10220.0	0.0	10220.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.7	0.8
10°-20°	254.6	2.5
20°-30°	423.8	4.1
30°-40°	640.8	6.3
40°-50°	1064.9	10.4
50°-60°	2009.5	19.7
60°-70°	3393.1	33.2
70°-80°	2229.6	21.8
80°-90°	116.8	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°	10220.0	100.0
0°-180°	10220.0	100.0

Coefficient of Utilization

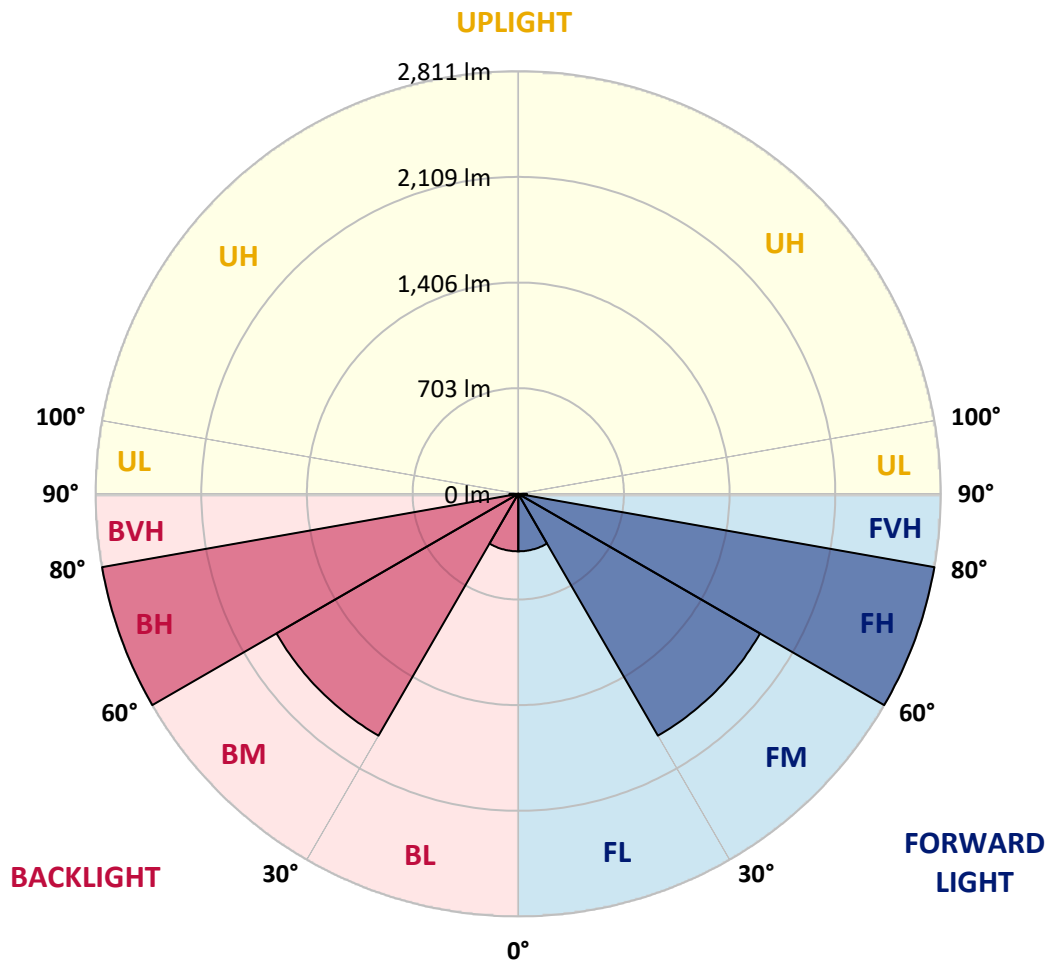


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	382.6	3.7			
FM (30°-60°)	1857.7	18.2			
FH (60°-80°)	2811.4	27.5			G2/5000
FVH (80°-90°)	58.4	0.6			G1/100
BL (0°-30°)	382.6	3.7	B1/500		
BM (30°-60°)	1857.7	18.2	B2/2500		
BH (60°-80°)	2811.4	27.5	B4/5000		G2/5000
BVH (80°-90°)	58.4	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°	932.3	932.3	932.3	932.3	932.3	932.3	932.3	932.3	932.3	932.3
2.5°	926.4	929.1	928.0	925.9	925.9	924.3	925.9	927.0	928.6	929.6
5°	914.2	916.3	915.8	914.2	914.7	913.1	914.2	915.8	916.9	917.4
7.5°	903.6	905.7	904.6	902.0	902.0	900.4	900.9	902.5	904.1	904.6
10°	900.9	903.1	899.9	895.6	894.0	891.9	892.4	894.0	897.2	898.8
12.5°	902.0	903.6	900.4	894.0	892.4	890.3	890.3	891.9	896.1	898.3
15°	905.2	906.8	902.0	895.1	893.5	891.9	891.4	893.5	898.3	902.0
17.5°	911.0	912.6	905.2	895.6	893.5	894.0	893.5	895.1	902.5	909.4
20°	916.3	917.4	907.3	895.6	893.5	894.0	893.5	896.7	906.2	915.8
22.5°	917.9	919.0	909.4	899.3	897.7	898.3	897.7	900.9	910.0	919.5
25°	918.5	920.1	912.6	904.6	907.3	908.4	907.3	907.8	914.7	923.2
27.5°	926.4	928.6	921.6	914.7	916.3	915.8	917.4	919.0	924.3	932.8
30°	942.9	944.5	938.6	931.7	930.7	927.0	931.7	937.1	942.9	950.3
32.5°	970.0	973.2	965.7	958.3	953.5	951.4	955.1	964.1	972.1	980.1
35°	1015.1	1017.3	1010.4	996.5	988.0	988.0	991.2	1002.9	1015.7	1025.8
37.5°	1078.9	1081.5	1069.3	1052.9	1040.1	1040.1	1044.4	1056.6	1075.7	1090.0
40°	1156.4	1160.2	1144.8	1127.8	1115.5	1113.4	1118.7	1132.5	1150.6	1168.7
42.5°	1249.9	1254.2	1234.0	1219.1	1209.6	1209.6	1212.2	1225.0	1241.4	1263.7
45°	1369.5	1376.9	1349.3	1334.4	1325.4	1327.5	1329.1	1340.2	1355.1	1380.6
47.5°	1511.8	1519.3	1490.0	1474.6	1473.0	1483.1	1476.8	1484.7	1492.7	1521.9
50°	1673.3	1686.1	1665.9	1664.8	1668.0	1686.6	1671.7	1676.0	1666.9	1685.5
52.5°	1870.9	1889.5	1885.8	1892.2	1927.8	1966.0	1932.0	1917.1	1883.1	1889.0
55°	2110.5	2138.6	2144.0	2182.2	2262.9	2341.0	2268.8	2208.8	2136.5	2123.2
57.5°	2383.0	2405.3	2430.8	2508.9	2659.8	2798.4	2659.8	2527.0	2413.3	2386.2
60°	2676.2	2703.8	2728.3	2843.6	3067.7	3262.7	3063.5	2852.6	2702.3	2665.6
62.5°	2991.2	3026.8	3043.8	3171.8	3433.2	3665.9	3436.9	3181.4	3014.6	2975.3
65°	3293.5	3322.7	3341.8	3478.3	3728.0	3961.2	3745.0	3493.2	3321.6	3270.1
67.5°	3434.3	3450.2	3496.9	3651.5	3915.0	4181.1	3959.6	3668.0	3476.2	3385.9
70°	3228.2	3195.7	3308.4	3555.9	3937.3	4316.1	3988.3	3548.5	3313.7	3167.1
72.5°	2494.6	2438.8	2634.3	3057.6	3682.3	4230.0	3707.8	3081.5	2755.9	2458.4
75°	1357.2	1294.0	1563.9	2099.3	2936.5	3666.4	3004.0	2159.4	1741.3	1347.1
77.5°	383.0	359.1	576.9	1015.7	1766.3	2574.2	1834.3	1038.0	684.2	405.8
80°	117.4	113.7	154.1	306.0	750.1	1232.9	720.8	309.7	196.0	123.8
82.5°	69.6	63.7	76.5	111.6	191.2	387.3	185.9	116.3	93.5	62.7
85°	39.8	37.2	45.2	54.2	64.3	82.3	53.7	55.2	49.9	33.5
87.5°	16.5	14.9	17.5	17.0	14.9	19.1	14.3	17.0	20.2	13.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
932.3
929.1
917.4
904.6
898.8
898.8
902.5
909.4
916.3
919.5
922.7
930.7
948.7
976.9
1022.0
1084.7
1162.8
1262.1
1379.5
1513.4
1674.4
1869.3
2102.5
2367.1
2633.7
2943.4
3244.6
3387.0
3202.1
2532.3
1434.8
451.0
130.7
68.0
35.1
12.2
0.0

OF REPORT)