

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: P846391

Luminaire Tested: **GLAN-SB2A-730-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846391
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-SB2A-730-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8765 lumens
Efficiency: N/A
Efficacy: 153.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

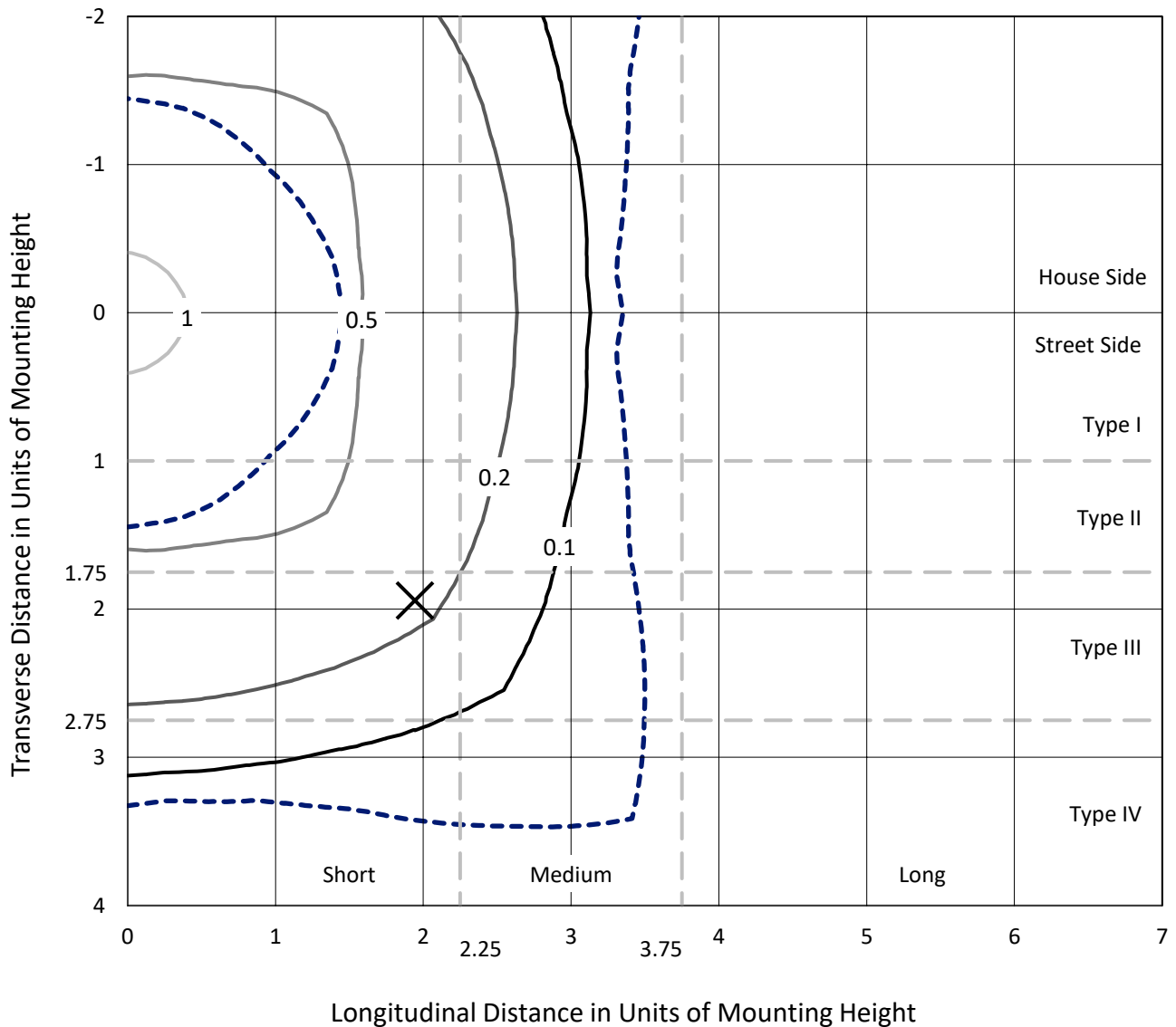
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

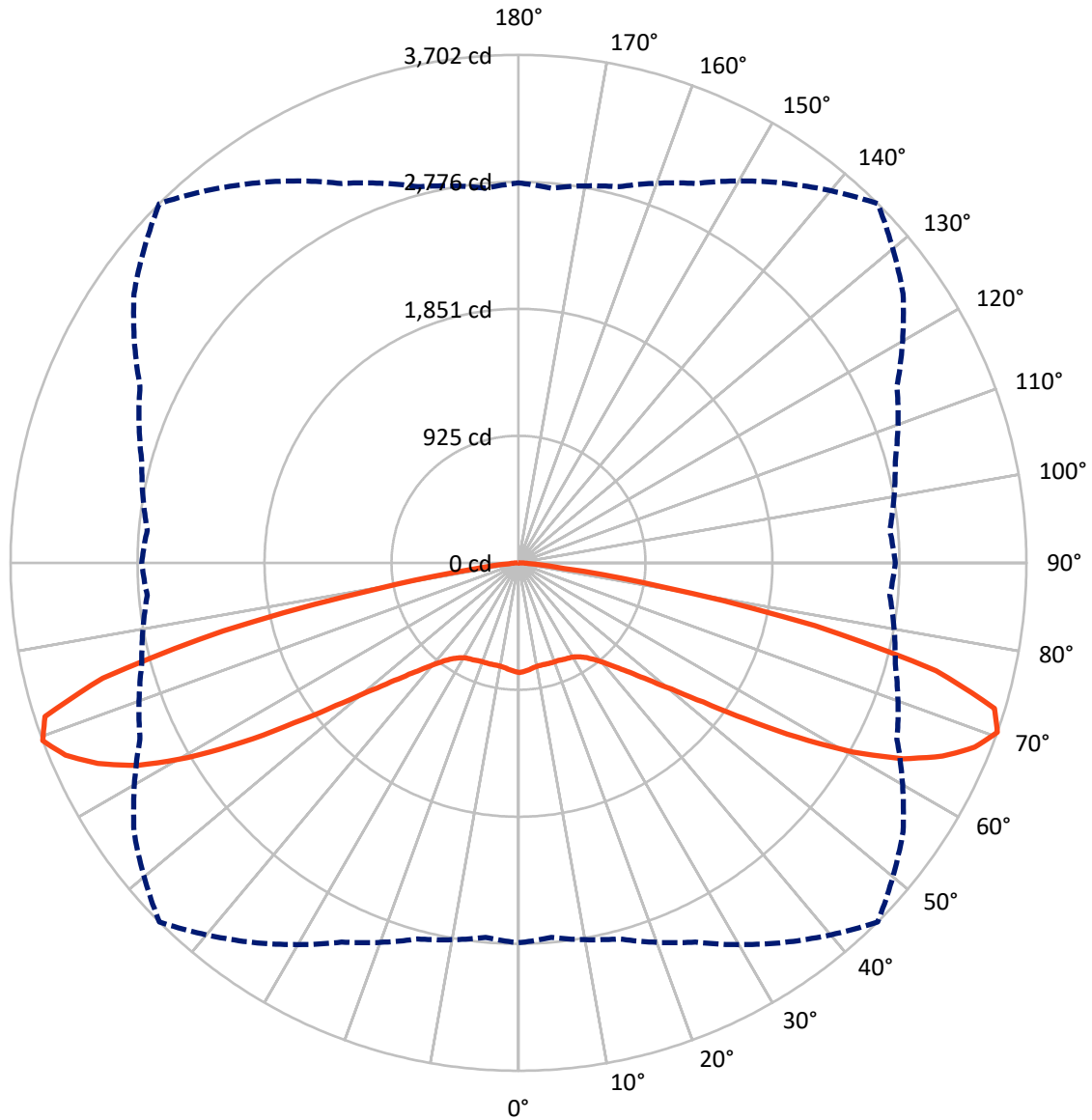
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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	4382.5	0.0	4382.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4382.5	0.0	4382.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8765.0	0.0	8765.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.4	0.8
10°-20°	218.4	2.5
20°-30°	363.4	4.1
30°-40°	549.6	6.3
40°-50°	913.3	10.4
50°-60°	1723.4	19.7
60°-70°	2910.1	33.2
70°-80°	1912.2	21.8
80°-90°	100.2	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°	8765.0	100.0
0°-180°	8765.0	100.0

Coefficient of Utilization



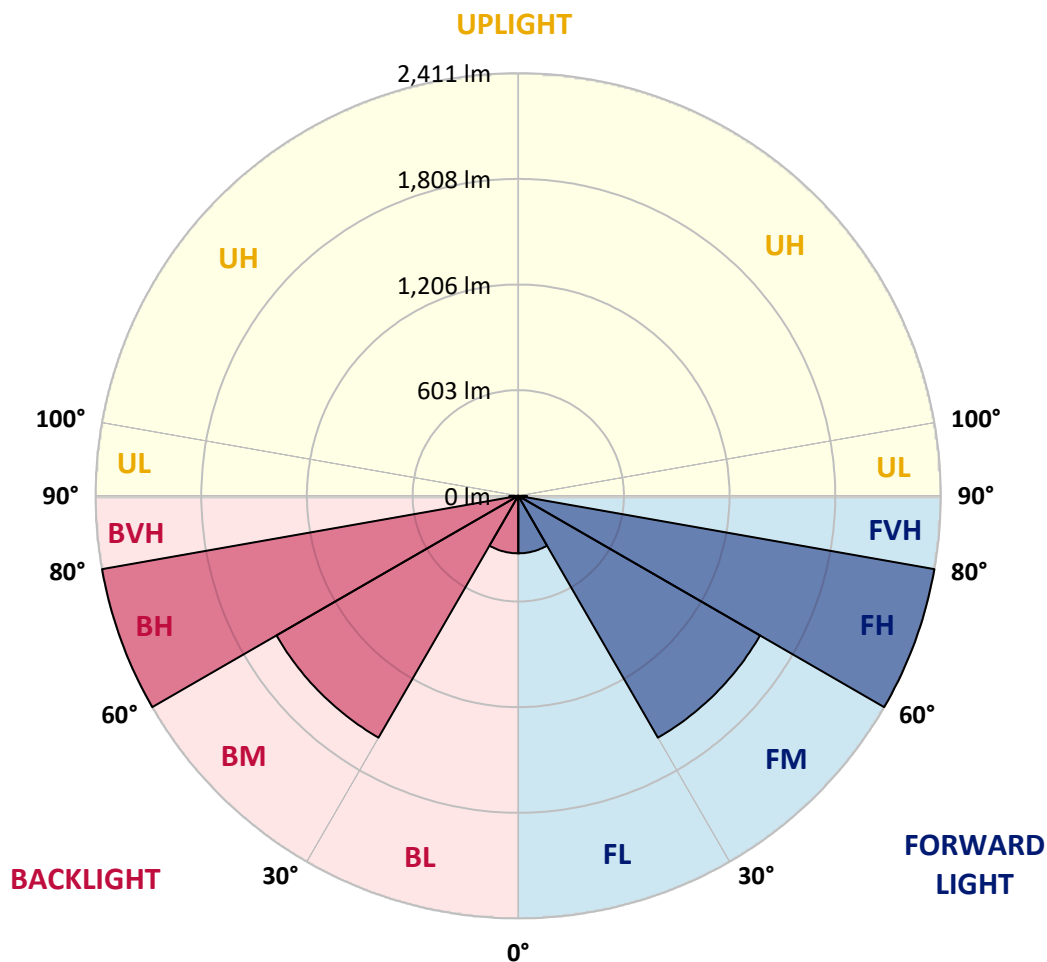
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	328.1	3.7			
FM (30°-60°)	1593.2	18.2			
FH (60°-80°)	2411.1	27.5			G2/5000
FVH (80°-90°)	50.1	0.6			G1/100
BL (0°-30°)	328.1	3.7	B1/500		
BM (30°-60°)	1593.2	18.2	B2/2500		
BH (60°-80°)	2411.1	27.5	B3/2500		G2/5000
BVH (80°-90°)	50.1	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	799.5	799.5	799.5	799.5	799.5	799.5	799.5	799.5	799.5	799.5
2.5°	794.5	796.8	795.9	794.1	794.1	792.7	794.1	795.0	796.4	797.3
5°	784.1	785.9	785.4	784.1	784.5	783.1	784.1	785.4	786.3	786.8
7.5°	774.9	776.8	775.9	773.6	773.6	772.2	772.7	774.0	775.4	775.9
10°	772.7	774.5	771.8	768.1	766.7	764.9	765.4	766.7	769.5	770.8
12.5°	773.6	774.9	772.2	766.7	765.4	763.6	763.6	764.9	768.6	770.4
15°	776.3	777.7	773.6	767.7	766.3	764.9	764.5	766.3	770.4	773.6
17.5°	781.3	782.7	776.3	768.1	766.3	766.7	766.3	767.7	774.0	780.0
20°	785.9	786.8	778.1	768.1	766.3	766.7	766.3	769.0	777.2	785.4
22.5°	787.2	788.2	780.0	771.3	769.9	770.4	769.9	772.7	780.4	788.6
25°	787.7	789.1	782.7	775.9	778.1	779.0	778.1	778.6	784.5	791.8
27.5°	794.5	796.4	790.4	784.5	785.9	785.4	786.8	788.2	792.7	800.0
30°	808.7	810.0	805.0	799.1	798.2	795.0	799.1	803.6	808.7	815.0
32.5°	831.9	834.6	828.2	821.9	817.8	815.9	819.1	826.9	833.7	840.5
35°	870.6	872.4	866.5	854.7	847.4	847.4	850.1	860.1	871.1	879.7
37.5°	925.3	927.6	917.1	903.0	892.0	892.0	895.7	906.2	922.6	934.9
40°	991.8	995.0	981.8	967.2	956.7	954.9	959.5	971.3	986.8	1002.3
42.5°	1072.0	1075.6	1058.3	1045.6	1037.4	1037.4	1039.6	1050.6	1064.7	1083.8
45°	1174.5	1180.9	1157.2	1144.4	1136.7	1138.5	1139.9	1149.4	1162.2	1184.1
47.5°	1296.6	1303.0	1277.9	1264.7	1263.3	1272.0	1266.5	1273.3	1280.2	1305.2
50°	1435.1	1446.0	1428.7	1427.8	1430.5	1446.5	1433.7	1437.4	1429.6	1445.6
52.5°	1604.6	1620.5	1617.3	1622.8	1653.3	1686.1	1656.9	1644.2	1615.0	1620.0
55°	1810.0	1834.2	1838.7	1871.5	1940.8	2007.7	1945.8	1894.3	1832.3	1821.0
57.5°	2043.7	2062.9	2084.7	2151.7	2281.1	2400.0	2281.1	2167.2	2069.7	2046.5
60°	2295.2	2318.9	2339.9	2438.7	2631.0	2798.2	2627.3	2446.5	2317.5	2286.1
62.5°	2565.4	2595.9	2610.5	2720.3	2944.4	3144.0	2947.6	2728.5	2585.4	2551.7
65°	2824.6	2849.7	2866.1	2983.1	3197.3	3397.3	3211.8	2995.9	2848.7	2804.6
67.5°	2945.3	2959.0	2999.1	3131.7	3357.6	3585.9	3395.9	3145.8	2981.3	2903.9
70°	2768.6	2740.8	2837.4	3049.7	3376.8	3701.6	3420.5	3043.3	2841.9	2716.2
72.5°	2139.4	2091.6	2259.2	2622.3	3158.1	3627.8	3180.0	2642.8	2363.6	2108.4
75°	1164.0	1109.8	1341.2	1800.5	2518.5	3144.4	2576.3	1851.9	1493.4	1155.4
77.5°	328.5	308.0	494.8	871.1	1514.8	2207.7	1573.1	890.2	586.8	348.1
80°	100.7	97.5	132.1	262.4	643.3	1057.4	618.2	265.6	168.1	106.2
82.5°	59.7	54.7	65.6	95.7	164.0	332.1	159.5	99.8	80.2	53.8
85°	34.2	31.9	38.7	46.5	55.1	70.6	46.0	47.4	42.8	28.7
87.5°	14.1	12.8	15.0	14.6	12.8	16.4	12.3	14.6	17.3	11.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
799.5
796.8
786.8
775.9
770.8
770.8
774.0
780.0
785.9
788.6
791.3
798.2
813.7
837.8
876.5
930.3
997.3
1082.5
1183.1
1297.9
1436.0
1603.2
1803.2
2030.1
2258.8
2524.4
2782.7
2904.8
2746.2
2171.8
1230.5
386.8
112.1
58.3
30.1
10.5
0.0

OF REPORT)