

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: P846381

Luminaire Tested: **GLAN-SB2A-727-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846381
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-727-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8070 lumens
Efficiency: N/A
Efficacy: 140.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

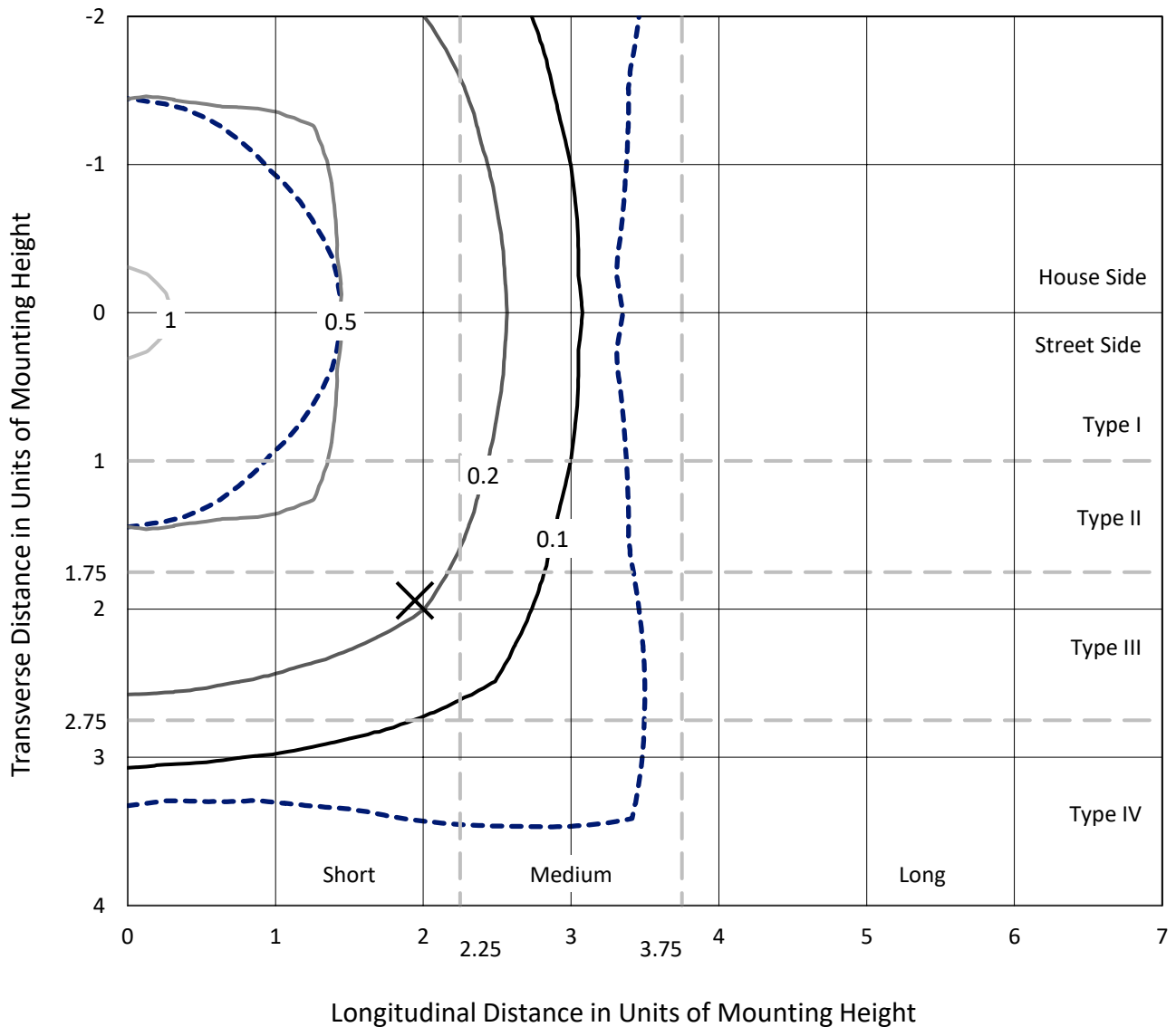
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

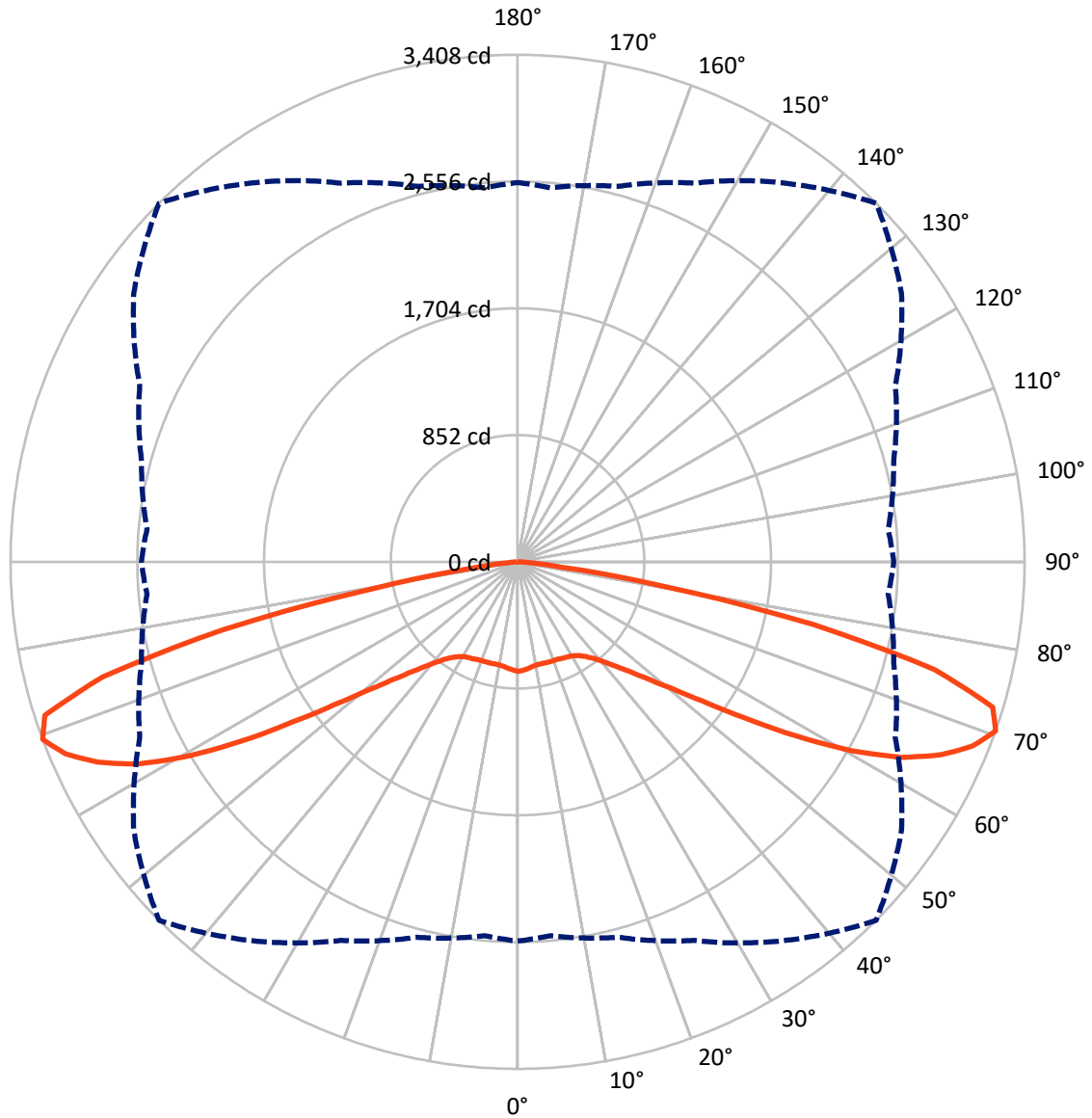
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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	4035.0	0.0	4035.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4035.0	0.0	4035.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8070.0	0.0	8070.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.5	0.8
10°-20°	201.1	2.5
20°-30°	334.6	4.1
30°-40°	506.0	6.3
40°-50°	840.9	10.4
50°-60°	1586.8	19.7
60°-70°	2679.3	33.2
70°-80°	1760.6	21.8
80°-90°	92.2	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°	8070.0	100.0
0°-180°	8070.0	100.0

Coefficient of Utilization



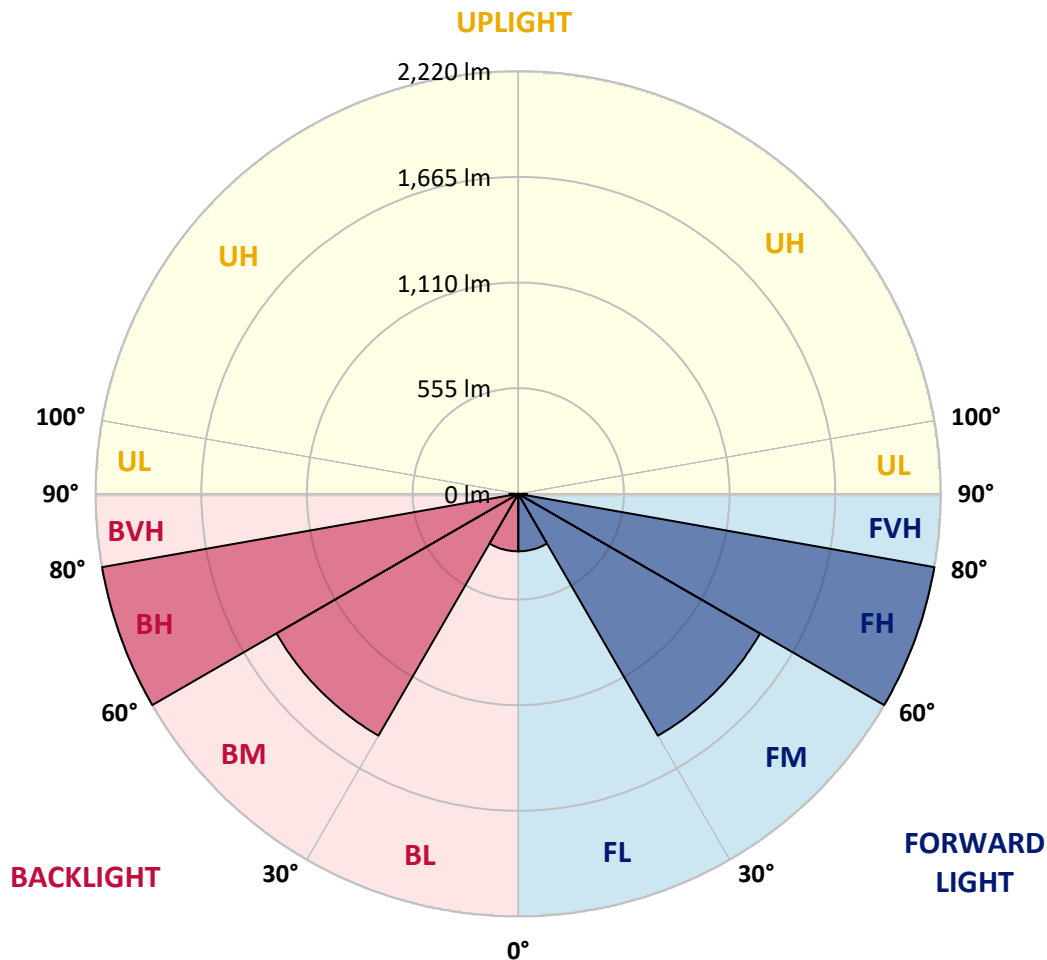
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	302.1	3.7			
FM (30°-60°)	1466.9	18.2			
FH (60°-80°)	2220.0	27.5			G2/5000
FVH (80°-90°)	46.1	0.6			G1/100
BL (0°-30°)	302.1	3.7	B1/500		
BM (30°-60°)	1466.9	18.2	B2/2500		
BH (60°-80°)	2220.0	27.5	B3/2500		G2/5000
BVH (80°-90°)	46.1	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°	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1
2.5°	731.5	733.6	732.8	731.1	731.1	729.9	731.1	732.0	733.2	734.0
5°	721.9	723.6	723.1	721.9	722.3	721.0	721.9	723.1	724.0	724.4
7.5°	713.5	715.2	714.3	712.2	712.2	711.0	711.4	712.7	713.9	714.3
10°	711.4	713.1	710.6	707.2	705.9	704.3	704.7	705.9	708.5	709.7
12.5°	712.2	713.5	711.0	705.9	704.7	703.0	703.0	704.3	707.6	709.3
15°	714.8	716.0	712.2	706.8	705.5	704.3	703.8	705.5	709.3	712.2
17.5°	719.4	720.6	714.8	707.2	705.5	705.9	705.5	706.8	712.7	718.1
20°	723.6	724.4	716.4	707.2	705.5	705.9	705.5	708.0	715.6	723.1
22.5°	724.8	725.7	718.1	710.1	708.9	709.3	708.9	711.4	718.5	726.1
25°	725.2	726.5	720.6	714.3	716.4	717.3	716.4	716.9	722.3	729.0
27.5°	731.5	733.2	727.8	722.3	723.6	723.1	724.4	725.7	729.9	736.6
30°	744.5	745.8	741.2	735.7	734.9	732.0	735.7	739.9	744.5	750.4
32.5°	765.9	768.4	762.6	756.7	752.9	751.2	754.2	761.3	767.6	773.9
35°	801.6	803.3	797.8	786.9	780.2	780.2	782.7	791.9	802.0	810.0
37.5°	851.9	854.0	844.4	831.4	821.3	821.3	824.7	834.3	849.4	860.7
40°	913.2	916.1	903.9	890.5	880.9	879.2	883.4	894.3	908.5	922.8
42.5°	987.0	990.3	974.4	962.7	955.1	955.1	957.2	967.3	980.3	997.9
45°	1081.4	1087.2	1065.4	1053.7	1046.5	1048.2	1049.5	1058.3	1070.0	1090.2
47.5°	1193.8	1199.6	1176.6	1164.4	1163.2	1171.1	1166.1	1172.4	1178.7	1201.7
50°	1321.3	1331.4	1315.4	1314.6	1317.1	1331.8	1320.0	1323.4	1316.3	1330.9
52.5°	1477.3	1492.0	1489.1	1494.1	1522.2	1552.4	1525.6	1513.8	1487.0	1491.6
55°	1666.5	1688.7	1692.9	1723.1	1786.9	1848.5	1791.5	1744.1	1687.1	1676.6
57.5°	1881.7	1899.3	1919.4	1981.1	2100.2	2209.7	2100.2	1995.4	1905.6	1884.2
60°	2113.2	2135.0	2154.3	2245.4	2422.4	2576.3	2419.0	2252.5	2133.8	2104.8
62.5°	2362.0	2390.1	2403.5	2504.6	2710.9	2894.7	2713.9	2512.1	2380.4	2349.4
65°	2600.6	2623.7	2638.8	2746.6	2943.7	3127.9	2957.2	2758.3	2622.9	2582.2
67.5°	2711.8	2724.4	2761.3	2883.3	3091.4	3301.5	3126.6	2896.3	2744.9	2673.6
70°	2549.0	2523.5	2612.4	2807.8	3109.0	3408.1	3149.3	2802.0	2616.6	2500.8
72.5°	1969.8	1925.7	2080.1	2414.4	2907.7	3340.1	2927.8	2433.3	2176.1	1941.2
75°	1071.7	1021.8	1234.9	1657.7	2318.8	2895.1	2372.0	1705.1	1375.0	1063.7
77.5°	302.4	283.6	455.5	802.0	1394.7	2032.7	1448.4	819.6	540.3	320.5
80°	92.7	89.8	121.6	241.6	592.3	973.6	569.2	244.5	154.8	97.7
82.5°	54.9	50.3	60.4	88.1	151.0	305.8	146.8	91.9	73.8	49.5
85°	31.5	29.4	35.7	42.8	50.8	65.0	42.4	43.6	39.4	26.4
87.5°	13.0	11.7	13.8	13.4	11.7	15.1	11.3	13.4	15.9	10.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
736.1
733.6
724.4
714.3
709.7
709.7
712.7
718.1
723.6
726.1
728.6
734.9
749.1
771.4
807.0
856.5
918.2
996.6
1089.3
1195.0
1322.1
1476.1
1660.2
1869.1
2079.7
2324.2
2562.0
2674.5
2528.5
1999.6
1133.0
356.1
103.2
53.7
27.7
9.6
0.0

OF REPORT)