

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: P846271

Luminaire Tested: **GLAN-SB1D-827-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846271
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-SB1D-827-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8210 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

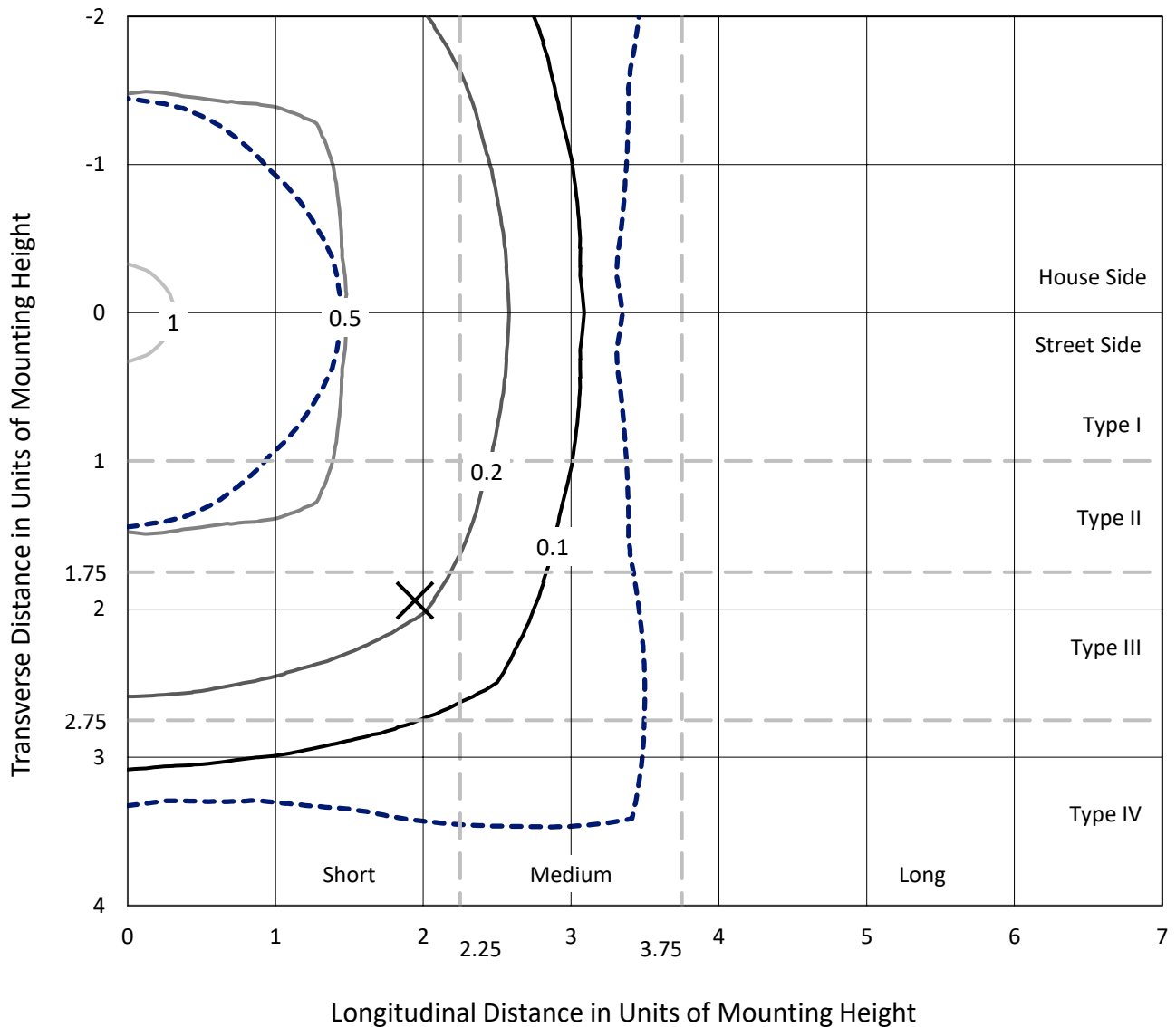
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

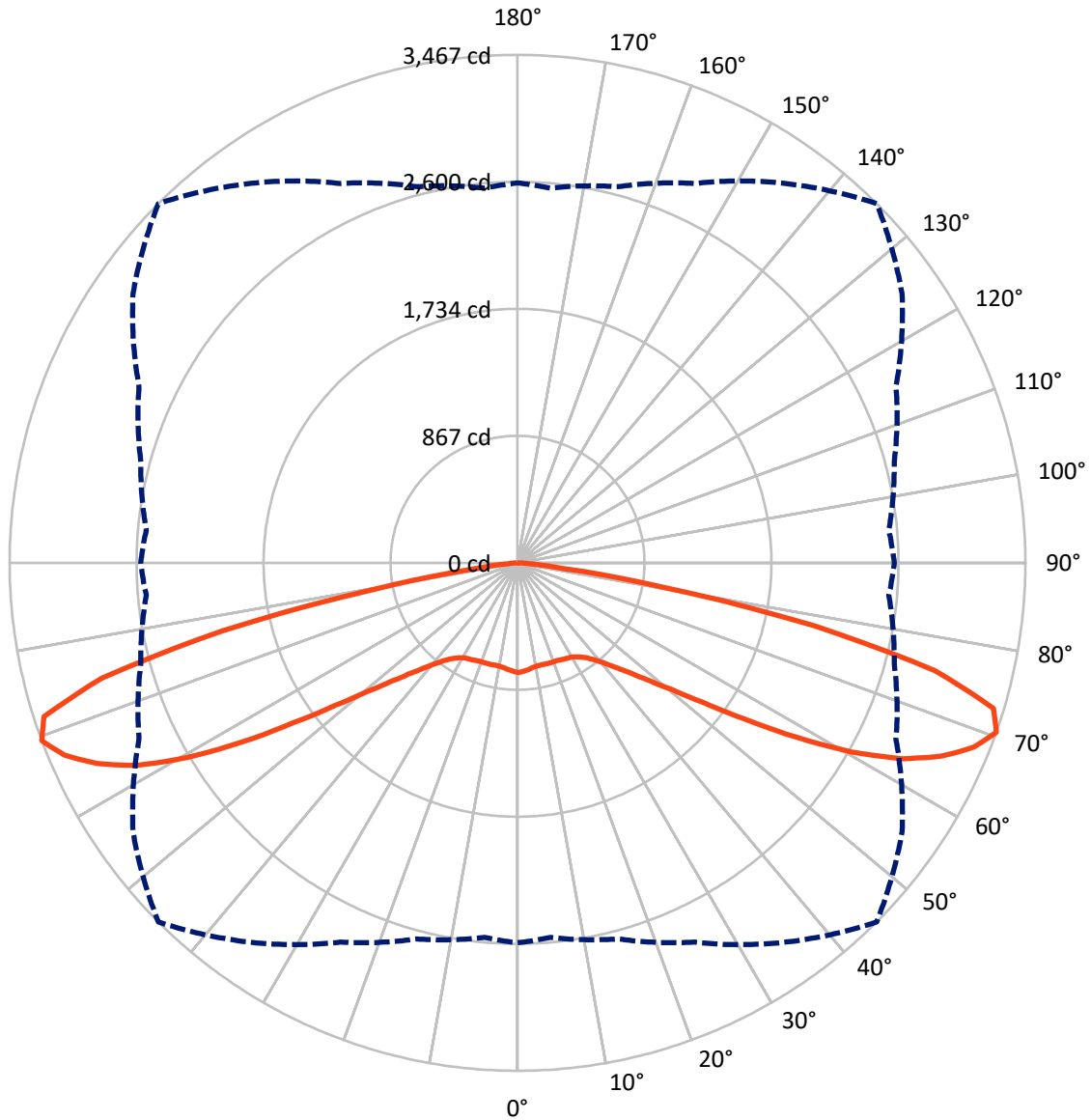
× Max cd
 - - - 1/2 Max cd



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	4105.0	0.0	4105.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4105.0	0.0	4105.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8210.0	0.0	8210.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.7	0.8
10°-20°	204.6	2.5
20°-30°	340.4	4.1
30°-40°	514.8	6.3
40°-50°	855.5	10.4
50°-60°	1614.3	19.7
60°-70°	2725.8	33.2
70°-80°	1791.1	21.8
80°-90°	93.8	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°	8210.0	100.0
0°-180°	8210.0	100.0

Coefficient of Utilization



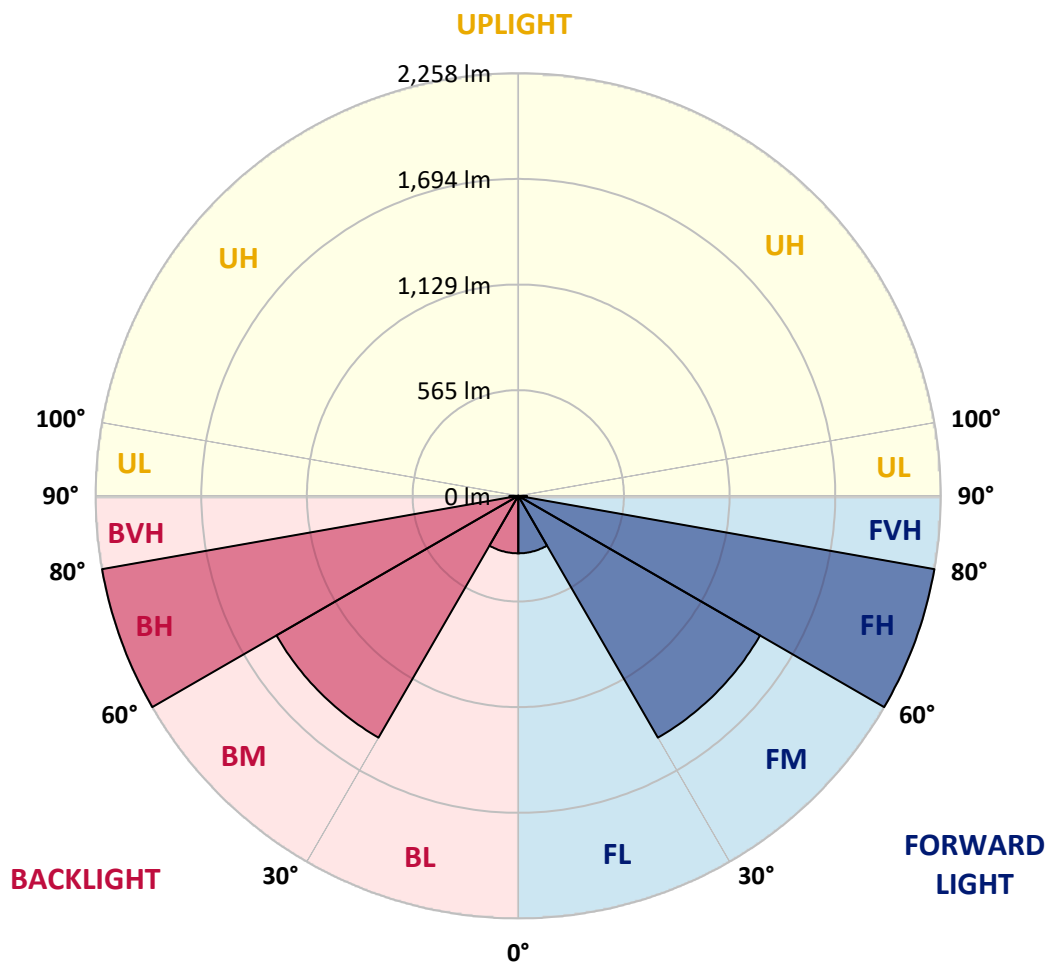
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	307.3	3.7			
FM (30°-60°)	1492.3	18.2			
FH (60°-80°)	2258.5	27.5			G2/5000
FVH (80°-90°)	46.9	0.6			G1/100
BL (0°-30°)	307.3	3.7	B1/500		
BM (30°-60°)	1492.3	18.2	B2/2500		
BH (60°-80°)	2258.5	27.5	B3/2500		G2/5000
BVH (80°-90°)	46.9	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°	748.9	748.9	748.9	748.9	748.9	748.9	748.9	748.9	748.9	748.9
2.5°	744.2	746.4	745.5	743.8	743.8	742.5	743.8	744.6	745.9	746.8
5°	734.4	736.1	735.7	734.4	734.8	733.6	734.4	735.7	736.5	737.0
7.5°	725.9	727.6	726.7	724.6	724.6	723.3	723.7	725.0	726.3	726.7
10°	723.7	725.4	722.9	719.5	718.2	716.5	716.9	718.2	720.8	722.0
12.5°	724.6	725.9	723.3	718.2	716.9	715.2	715.2	716.5	719.9	721.6
15°	727.2	728.4	724.6	719.0	717.8	716.5	716.1	717.8	721.6	724.6
17.5°	731.8	733.1	727.2	719.5	717.8	718.2	717.8	719.0	725.0	730.6
20°	736.1	737.0	728.9	719.5	717.8	718.2	717.8	720.3	728.0	735.7
22.5°	737.4	738.2	730.6	722.5	721.2	721.6	721.2	723.7	731.0	738.7
25°	737.8	739.1	733.1	726.7	728.9	729.7	728.9	729.3	734.8	741.7
27.5°	744.2	745.9	740.4	734.8	736.1	735.7	737.0	738.2	742.5	749.3
30°	757.5	758.7	754.0	748.5	747.6	744.6	748.5	752.8	757.5	763.4
32.5°	779.2	781.8	775.8	769.8	766.0	764.3	767.3	774.5	780.9	787.3
35°	815.5	817.2	811.6	800.6	793.7	793.7	796.3	805.7	815.9	824.0
37.5°	866.7	868.8	859.0	845.8	835.5	835.5	839.0	848.8	864.1	875.7
40°	929.0	932.0	919.6	906.0	896.1	894.4	898.7	909.8	924.3	938.8
42.5°	1004.1	1007.5	991.3	979.4	971.7	971.7	973.8	984.0	997.3	1015.2
45°	1100.1	1106.1	1083.9	1072.0	1064.7	1066.4	1067.7	1076.6	1088.6	1109.1
47.5°	1214.5	1220.5	1197.0	1184.6	1183.3	1191.4	1186.3	1192.7	1199.1	1222.6
50°	1344.2	1354.5	1338.2	1337.4	1339.9	1354.9	1342.9	1346.3	1339.1	1354.0
52.5°	1503.0	1517.9	1514.9	1520.0	1548.6	1579.3	1552.0	1540.1	1512.8	1517.5
55°	1695.4	1718.0	1722.3	1753.0	1817.9	1880.6	1822.6	1774.4	1716.3	1705.7
57.5°	1914.3	1932.2	1952.7	2015.5	2136.7	2248.0	2136.7	2030.0	1938.7	1916.9
60°	2149.9	2172.1	2191.7	2284.3	2464.4	2621.0	2461.0	2291.6	2170.8	2141.3
62.5°	2402.9	2431.5	2445.2	2548.0	2758.0	2944.9	2761.0	2555.7	2421.7	2390.1
65°	2645.7	2669.2	2684.6	2794.3	2994.8	3182.2	3008.5	2806.2	2668.4	2627.0
67.5°	2758.8	2771.6	2809.2	2933.4	3145.0	3358.8	3180.9	2946.6	2792.5	2720.0
70°	2593.3	2567.2	2657.7	2856.6	3162.9	3467.2	3203.9	2850.6	2662.0	2544.2
72.5°	2003.9	1959.1	2116.2	2456.3	2958.1	3398.1	2978.6	2475.5	2213.9	1974.9
75°	1090.3	1039.5	1256.3	1686.5	2359.0	2945.3	2413.2	1734.7	1398.8	1082.2
77.5°	307.7	288.5	463.4	815.9	1418.9	2068.0	1473.5	833.8	549.6	326.0
80°	94.3	91.3	123.8	245.8	602.5	990.4	579.1	248.8	157.5	99.4
82.5°	55.9	51.2	61.4	89.6	153.6	311.1	149.4	93.5	75.1	50.4
85°	32.0	29.9	36.3	43.5	51.6	66.1	43.1	44.4	40.1	26.9
87.5°	13.2	11.9	14.1	13.7	11.9	15.4	11.5	13.7	16.2	10.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
748.9
746.4
737.0
726.7
722.0
722.0
725.0
730.6
736.1
738.7
741.2
747.6
762.1
784.8
821.0
871.4
934.1
1013.9
1108.2
1215.8
1345.1
1501.7
1689.0
1901.5
2115.7
2364.5
2606.5
2720.9
2572.3
2034.2
1152.6
362.3
105.0
54.6
28.2
9.8
0.0

OF REPORT)