

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: P846291

Luminaire Tested: **GLAN-SB1D-835-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846291
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-835-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8525 lumens
Efficiency: N/A
Efficacy: 107.1 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

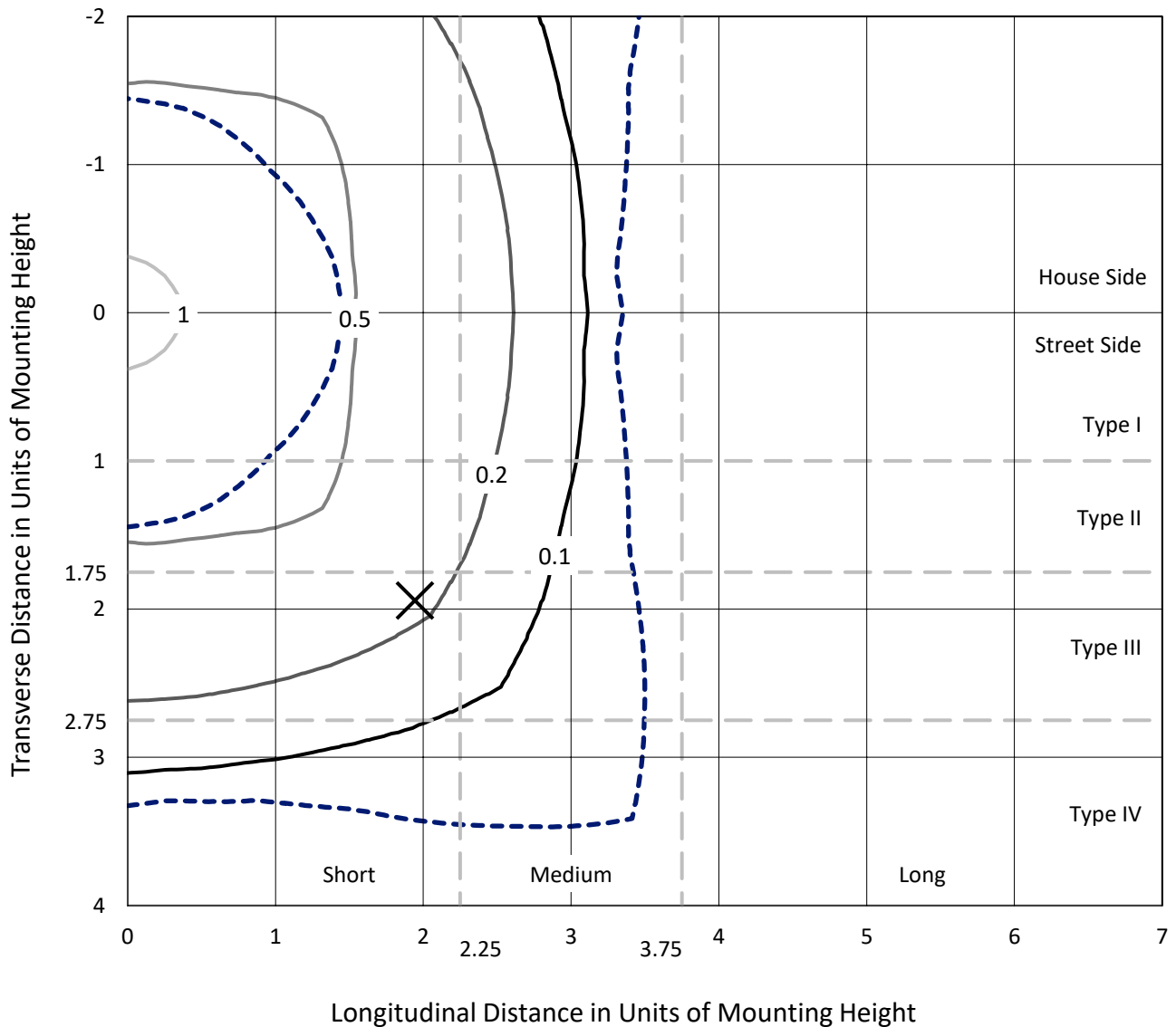
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

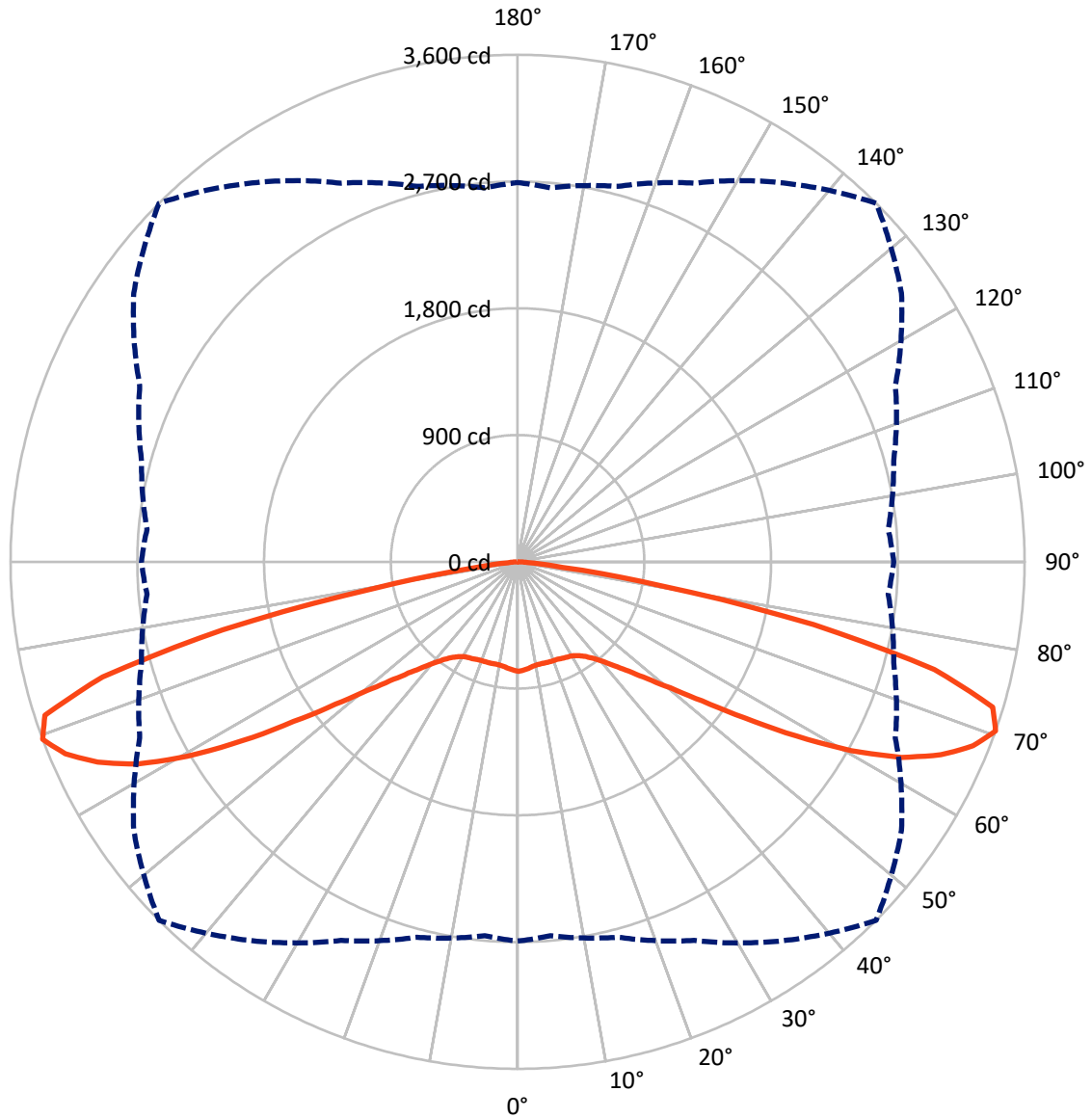
✕ Max cd
 - - - 1/2 Max cd



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	4262.5	0.0	4262.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4262.5	0.0	4262.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8525.0	0.0	8525.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.3	0.8
10°-20°	212.4	2.5
20°-30°	353.5	4.1
30°-40°	534.6	6.3
40°-50°	888.3	10.4
50°-60°	1676.2	19.7
60°-70°	2830.4	33.2
70°-80°	1859.8	21.8
80°-90°	97.4	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°	8525.0	100.0
0°-180°	8525.0	100.0

Coefficient of Utilization



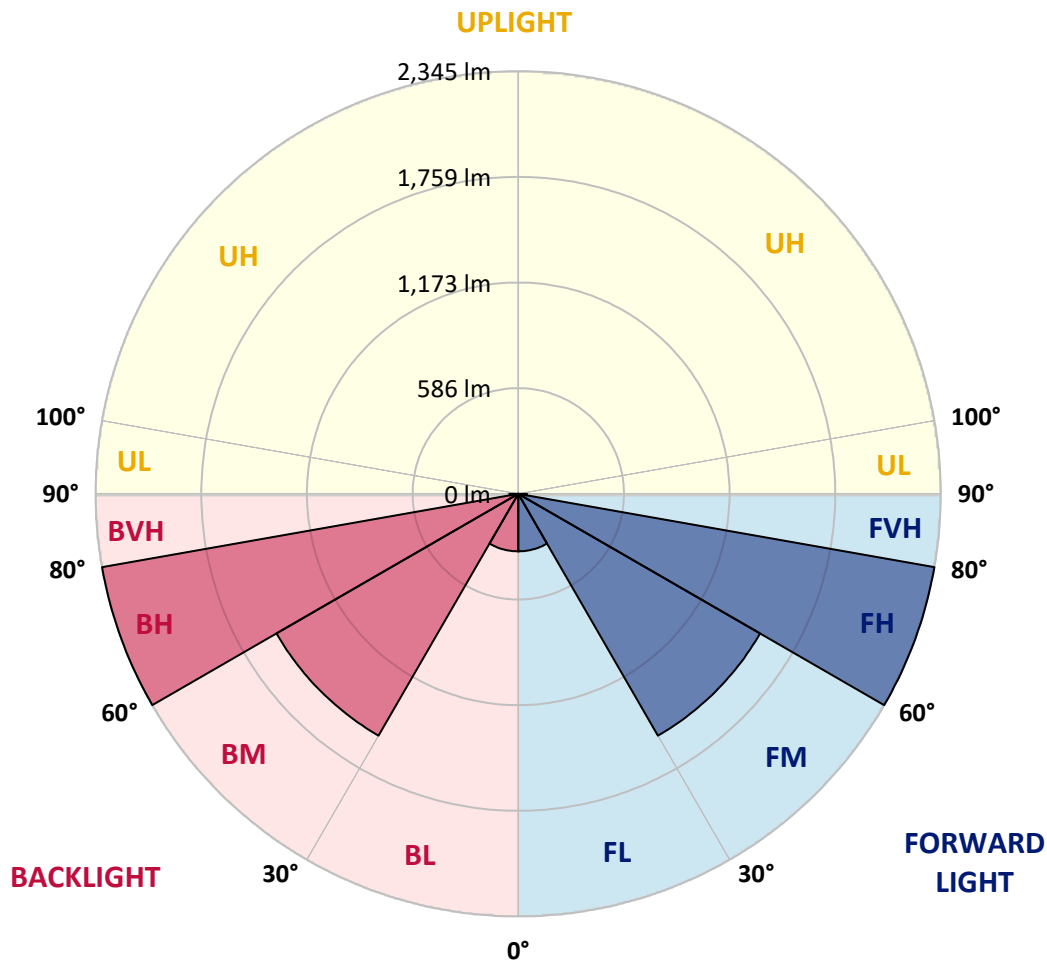
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	319.1	3.7			
FM (30°-60°)	1549.6	18.2			
FH (60°-80°)	2345.1	27.5			G2/5000
FVH (80°-90°)	48.7	0.6			G1/100
BL (0°-30°)	319.1	3.7	B1/500		
BM (30°-60°)	1549.6	18.2	B2/2500		
BH (60°-80°)	2345.1	27.5	B3/2500		G2/5000
BVH (80°-90°)	48.7	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°	777.7	777.7	777.7	777.7	777.7	777.7	777.7	777.7	777.7	777.7
2.5°	772.8	775.0	774.1	772.3	772.3	771.0	772.3	773.2	774.5	775.4
5°	762.6	764.4	763.9	762.6	763.0	761.7	762.6	763.9	764.8	765.2
7.5°	753.7	755.5	754.6	752.4	752.4	751.1	751.5	752.8	754.2	754.6
10°	751.5	753.3	750.6	747.1	745.7	744.0	744.4	745.7	748.4	749.7
12.5°	752.4	753.7	751.1	745.7	744.4	742.6	742.6	744.0	747.5	749.3
15°	755.1	756.4	752.4	746.6	745.3	744.0	743.5	745.3	749.3	752.4
17.5°	759.9	761.3	755.1	747.1	745.3	745.7	745.3	746.6	752.8	758.6
20°	764.4	765.2	756.8	747.1	745.3	745.7	745.3	748.0	755.9	763.9
22.5°	765.7	766.6	758.6	750.2	748.8	749.3	748.8	751.5	759.0	767.0
25°	766.1	767.5	761.3	754.6	756.8	757.7	756.8	757.3	763.0	770.1
27.5°	772.8	774.5	768.8	763.0	764.4	763.9	765.2	766.6	771.0	778.1
30°	786.5	787.8	783.0	777.2	776.3	773.2	777.2	781.6	786.5	792.7
32.5°	809.1	811.8	805.6	799.4	795.4	793.6	796.7	804.2	810.9	817.5
35°	846.8	848.5	842.8	831.3	824.2	824.2	826.8	836.6	847.2	855.6
37.5°	899.9	902.2	892.0	878.2	867.6	867.6	871.1	881.3	897.3	909.3
40°	964.6	967.7	954.9	940.7	930.5	928.8	933.2	944.7	959.8	974.8
42.5°	1042.6	1046.2	1029.3	1016.9	1009.0	1009.0	1011.2	1021.8	1035.5	1054.2
45°	1142.3	1148.5	1125.5	1113.1	1105.6	1107.3	1108.7	1118.0	1130.4	1151.6
47.5°	1261.1	1267.3	1242.9	1230.1	1228.7	1237.2	1231.8	1238.5	1245.1	1269.5
50°	1395.8	1406.4	1389.6	1388.7	1391.4	1406.9	1394.5	1398.0	1390.5	1406.0
52.5°	1560.6	1576.1	1573.0	1578.3	1608.0	1639.9	1611.6	1599.2	1570.8	1575.7
55°	1760.5	1783.9	1788.4	1820.3	1887.6	1952.8	1892.5	1842.4	1782.2	1771.1
57.5°	1987.8	2006.4	2027.7	2092.8	2218.6	2334.3	2218.6	2107.9	2013.0	1990.4
60°	2232.4	2255.4	2275.8	2371.9	2558.9	2721.6	2555.4	2379.5	2254.1	2223.5
62.5°	2495.1	2524.8	2539.0	2645.8	2863.8	3057.9	2866.9	2653.8	2514.6	2481.8
65°	2747.3	2771.6	2787.6	2901.5	3109.7	3304.2	3123.9	2913.9	2770.7	2727.8
67.5°	2864.7	2878.0	2917.0	3045.9	3265.7	3487.7	3302.9	3059.6	2899.7	2824.4
70°	2692.8	2665.7	2759.7	2966.2	3284.3	3600.2	3326.8	2960.0	2764.1	2641.8
72.5°	2080.8	2034.3	2197.4	2550.5	3071.6	3528.5	3092.9	2570.5	2298.8	2050.7
75°	1132.1	1079.4	1304.5	1751.2	2449.5	3058.3	2505.8	1801.2	1452.5	1123.7
77.5°	319.5	299.5	481.2	847.2	1473.3	2147.3	1530.0	865.8	570.7	338.5
80°	97.9	94.8	128.5	255.2	625.7	1028.4	601.3	258.3	163.5	103.2
82.5°	58.0	53.2	63.8	93.1	159.5	323.0	155.1	97.0	78.0	52.3
85°	33.2	31.0	37.7	45.2	53.6	68.7	44.8	46.1	41.7	27.9
87.5°	13.7	12.4	14.6	14.2	12.4	16.0	12.0	14.2	16.8	11.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
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777.7
775.0
765.2
754.6
749.7
749.7
752.8
758.6
764.4
767.0
769.7
776.3
791.4
814.9
852.5
904.8
970.0
1052.8
1150.7
1262.4
1396.7
1559.3
1753.8
1974.5
2196.9
2455.3
2706.5
2825.2
2671.0
2112.3
1196.8
376.2
109.0
56.7
29.2
10.2
0.0

OF REPORT)