

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: P849694

Luminaire Tested: **GLAN-SB6D-835-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849694
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6D-835-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 50544 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

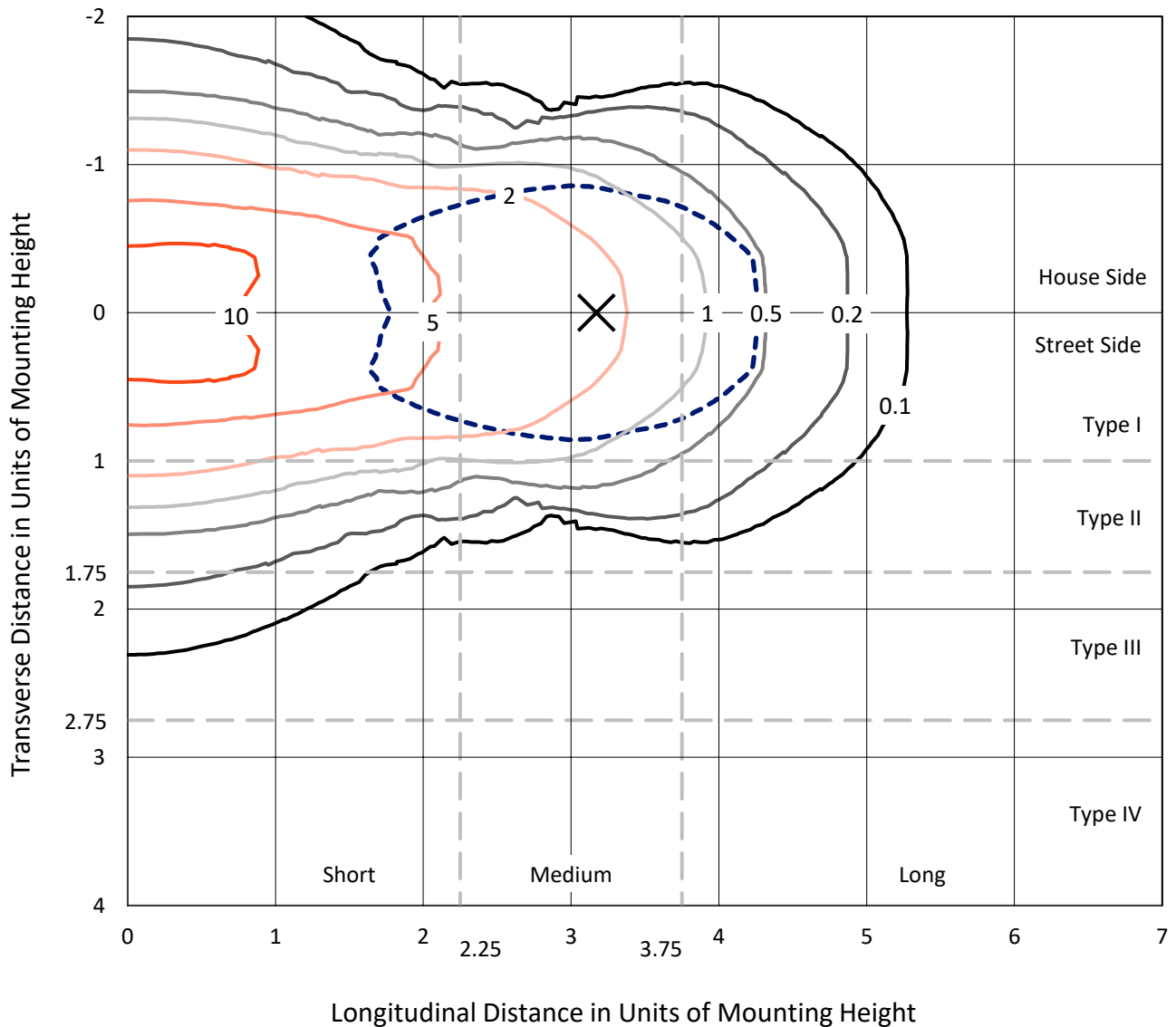
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

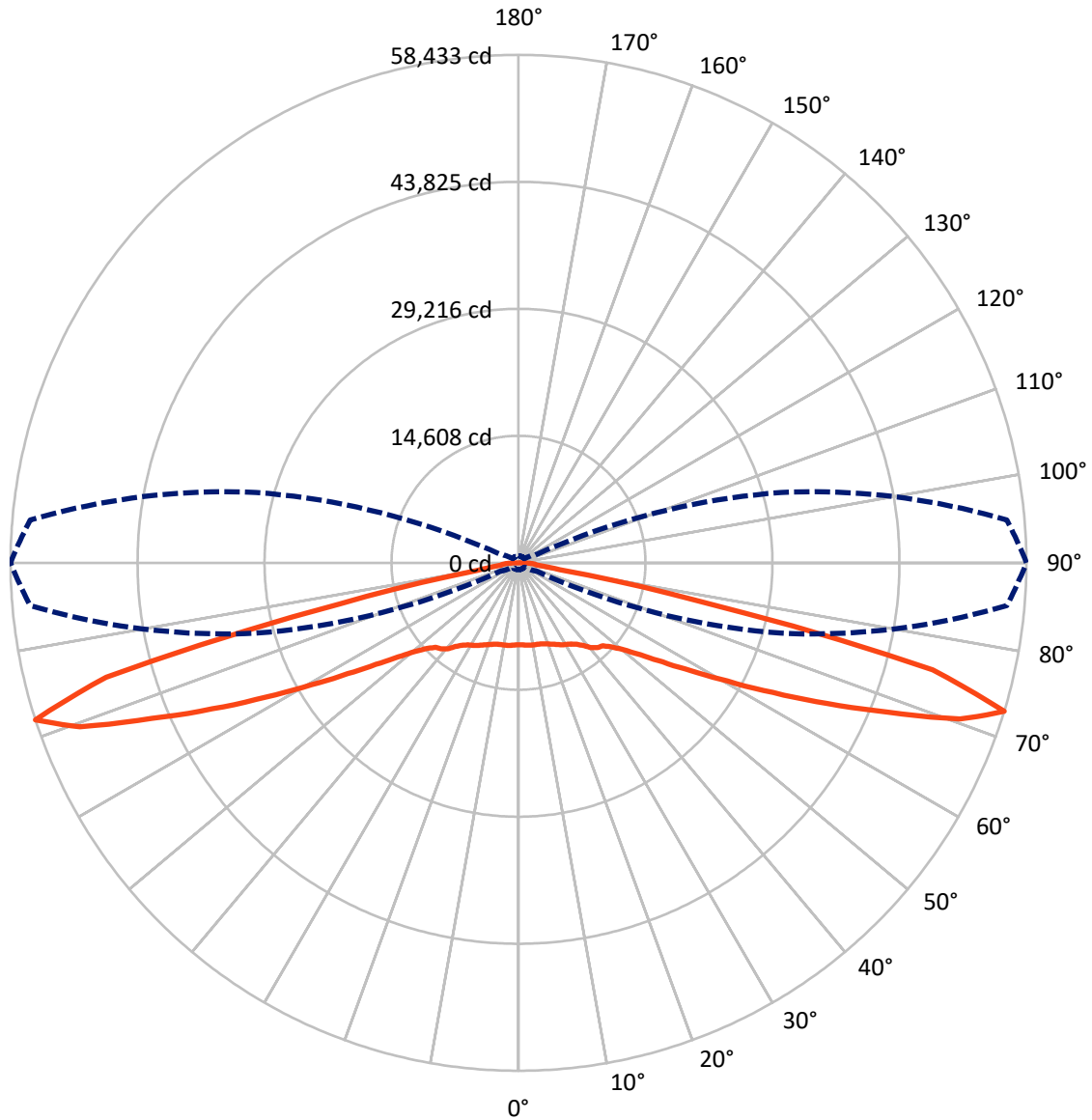
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.1 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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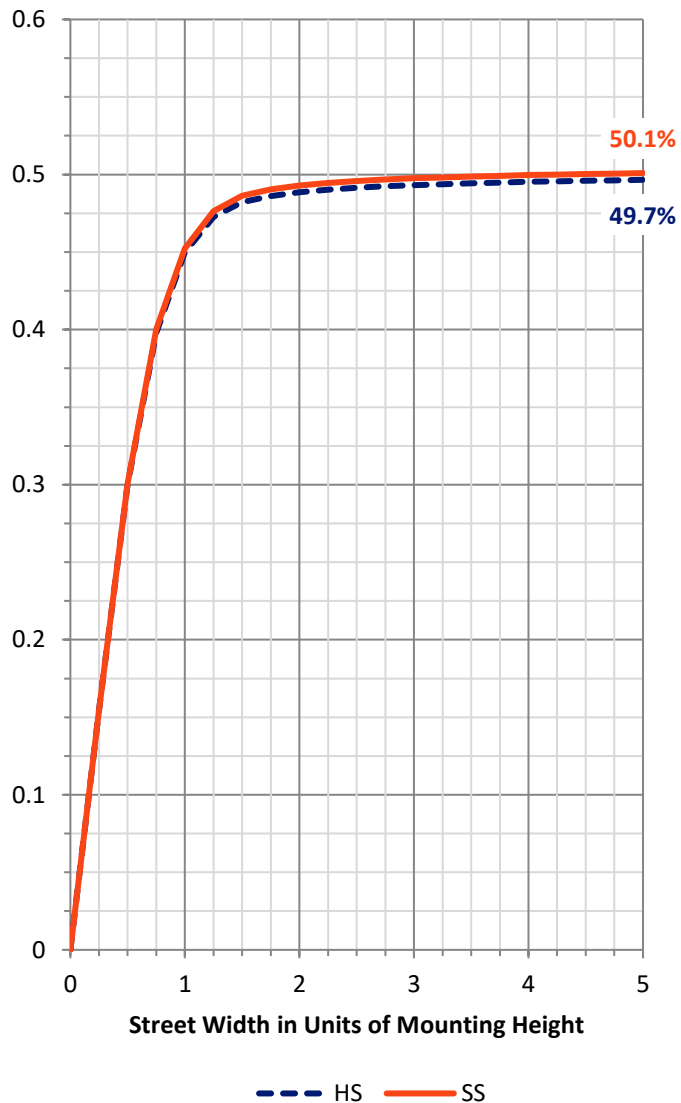
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	25272.0	0.0	25272.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25272.0	0.0	25272.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	50544.0	0.0	50544.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	915.8	1.8
10°-20°	2800.1	5.5
20°-30°	4668.9	9.2
30°-40°	6421.2	12.7
40°-50°	7842.0	15.5
50°-60°	9070.1	17.9
60°-70°	10814.6	21.4
70°-80°	7547.9	14.9
80°-90°	463.6	0.9
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°	50544.0	100.0
0°-180°	50544.0	100.0

Coefficient of Utilization

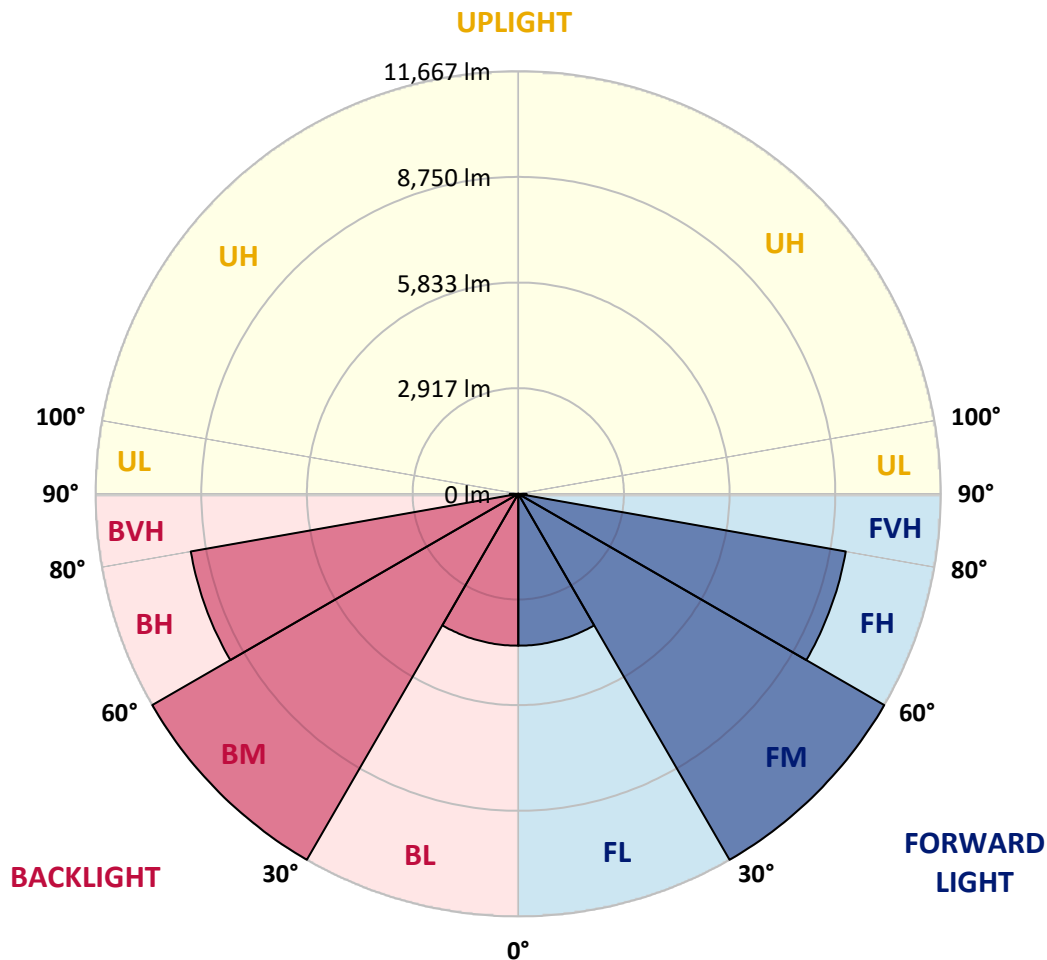


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4192.4	8.3			
FM (30°-60°)	11666.6	23.1			
FH (60°-80°)	9181.2	18.2			G4/12000
FVH (80°-90°)	231.8	0.5			G3/500
BL (0°-30°)	4192.4	8.3	B4/5000		
BM (30°-60°)	11666.6	23.1	B5		
BH (60°-80°)	9181.2	18.2	B5		G5
BVH (80°-90°)	231.8	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9444.7	9444.7	9444.7	9444.7	9444.7	9444.7	9444.7	9444.7	9444.7	9444.7
2.5°	9452.7	9463.5	9463.5	9455.4	9474.2	9458.1	9458.1	9450.1	9458.1	9450.1
5°	9501.1	9514.5	9519.9	9517.2	9541.4	9528.0	9528.0	9517.2	9519.9	9511.8
7.5°	9592.4	9611.2	9622.0	9635.4	9670.3	9654.2	9643.5	9611.2	9597.8	9576.3
10°	9622.0	9643.5	9678.4	9748.2	9828.8	9831.5	9799.3	9718.7	9656.9	9608.5
12.5°	9530.6	9560.2	9632.7	9775.1	9955.1	10027.6	9976.5	9842.2	9721.4	9635.4
15°	9415.1	9447.4	9557.5	9772.4	10038.3	10207.6	10202.2	10024.9	9831.5	9697.2
17.5°	9235.2	9267.4	9425.9	9726.7	10102.8	10382.2	10457.4	10274.7	10003.4	9823.4
20°	8910.1	8939.7	9159.9	9581.7	10124.3	10567.5	10763.6	10602.4	10264.0	10019.5
22.5°	8488.4	8534.1	8791.9	9331.9	10073.3	10760.9	11112.8	11002.7	10567.5	10229.1
25°	8037.1	8085.5	8386.3	9025.6	9941.6	10900.6	11526.5	11456.6	10911.3	10489.6
27.5°	7647.6	7698.6	8026.4	8722.1	9737.5	10954.3	11934.8	11969.7	11327.7	10777.0
30°	7341.4	7389.7	7738.9	8477.6	9474.2	10900.6	12292.1	12533.8	11752.1	11026.9
32.5°	7005.6	7067.4	7435.4	8179.5	9162.6	10771.7	12603.7	13143.6	12243.7	11295.5
35°	6581.2	6637.6	7024.4	7771.2	8754.3	10564.8	12864.2	13820.5	12947.5	11703.8
37.5°	6065.4	6119.2	6503.3	7260.8	8348.7	10274.7	13063.0	14583.4	13785.6	12292.1
40°	5547.0	5598.0	5958.0	6691.3	7862.5	9904.0	13132.8	15330.1	14747.2	13100.6
42.5°	5071.5	5117.2	5447.6	6129.9	7317.2	9431.2	13041.5	15980.2	15609.5	13664.7
45°	4633.7	4674.0	4966.8	5603.4	6750.4	8856.4	12767.5	16678.6	16635.6	14067.6
47.5°	4134.1	4174.4	4477.9	5093.0	6183.6	8182.2	12302.8	17366.3	18062.0	14980.9
50°	3524.3	3559.2	3870.8	4504.8	5595.4	7465.0	11658.1	17906.2	19861.8	16364.3
52.5°	2801.7	2839.3	3142.9	3776.8	4896.9	6694.0	10809.3	18258.1	21940.9	18384.4
55°	2084.5	2111.4	2374.6	2944.1	4032.0	5815.6	9745.5	18357.5	24299.4	21145.8
57.5°	1512.3	1528.4	1697.7	2122.1	3056.9	4717.0	8453.5	18099.6	27106.4	24686.2
60°	1224.9	1230.3	1281.3	1469.4	2124.8	3475.9	6892.8	17213.2	30152.6	29250.0
62.5°	1112.1	1112.1	1125.5	1176.6	1437.1	2294.0	5004.4	15375.8	33419.0	35017.3
65°	1034.2	1034.2	1039.6	1063.7	1133.6	1461.3	3159.0	12383.4	36172.4	41773.1
67.5°	964.3	967.0	964.3	972.4	1012.7	1079.9	1832.0	8552.9	37655.2	48773.3
70°	891.8	897.2	883.8	883.8	916.0	918.7	1147.0	4690.1	36424.9	54640.0
72.5°	805.9	813.9	792.4	787.1	811.2	800.5	862.3	2251.0	31272.7	56391.4
75°	730.6	741.4	693.0	679.6	679.6	671.6	701.1	1155.1	20296.9	46001.2
77.5°	663.5	685.0	607.1	564.1	553.4	529.2	572.2	706.5	8877.9	21597.0
80°	548.0	577.5	499.6	448.6	429.8	402.9	451.3	494.3	2640.5	5015.1
82.5°	408.3	421.7	354.6	319.7	303.5	284.7	338.5	343.8	859.6	1775.6
85°	260.6	265.9	217.6	188.0	180.0	171.9	214.9	188.0	327.7	1305.5
87.5°	91.3	104.8	83.3	75.2	80.6	67.2	99.4	56.4	91.3	921.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

9444.7
9450.1
9511.8
9576.3
9600.5
9622.0
9675.7
9793.9
9973.9
10167.3
10403.7
10685.7
10895.2
11128.9
11518.4
12044.9
12837.4
13326.2
13611.0
14454.4
15703.5
17570.4
20127.7
23404.9
27635.6
32854.9
39038.5
45821.2
53863.7
58432.9
49203.1
21148.5
4802.9
2006.6
1896.5
1141.6
0.0

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