

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: P849034

Luminaire Tested: **GLAN-SB5D-850-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849034
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-SB5D-850-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43664 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

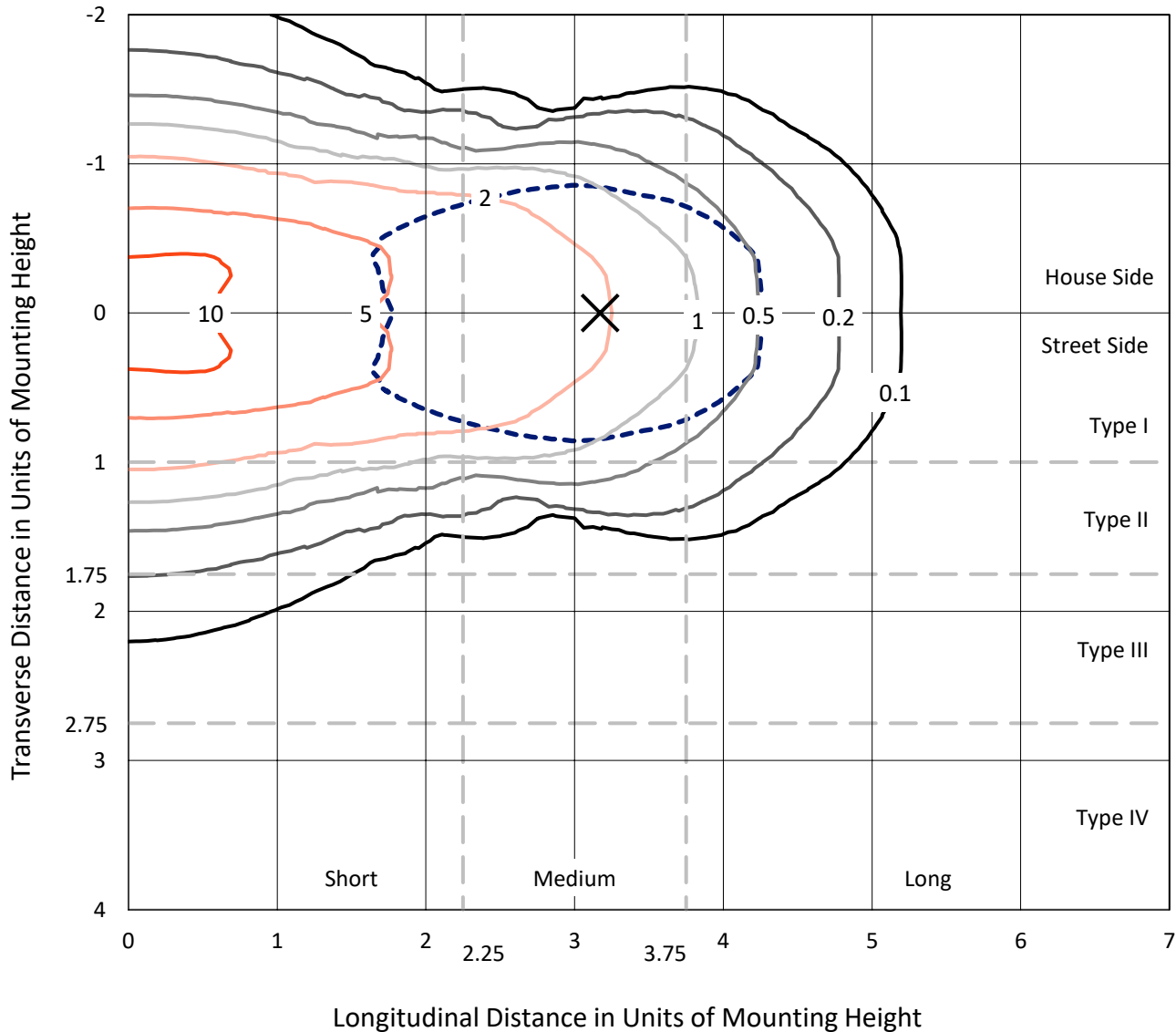
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

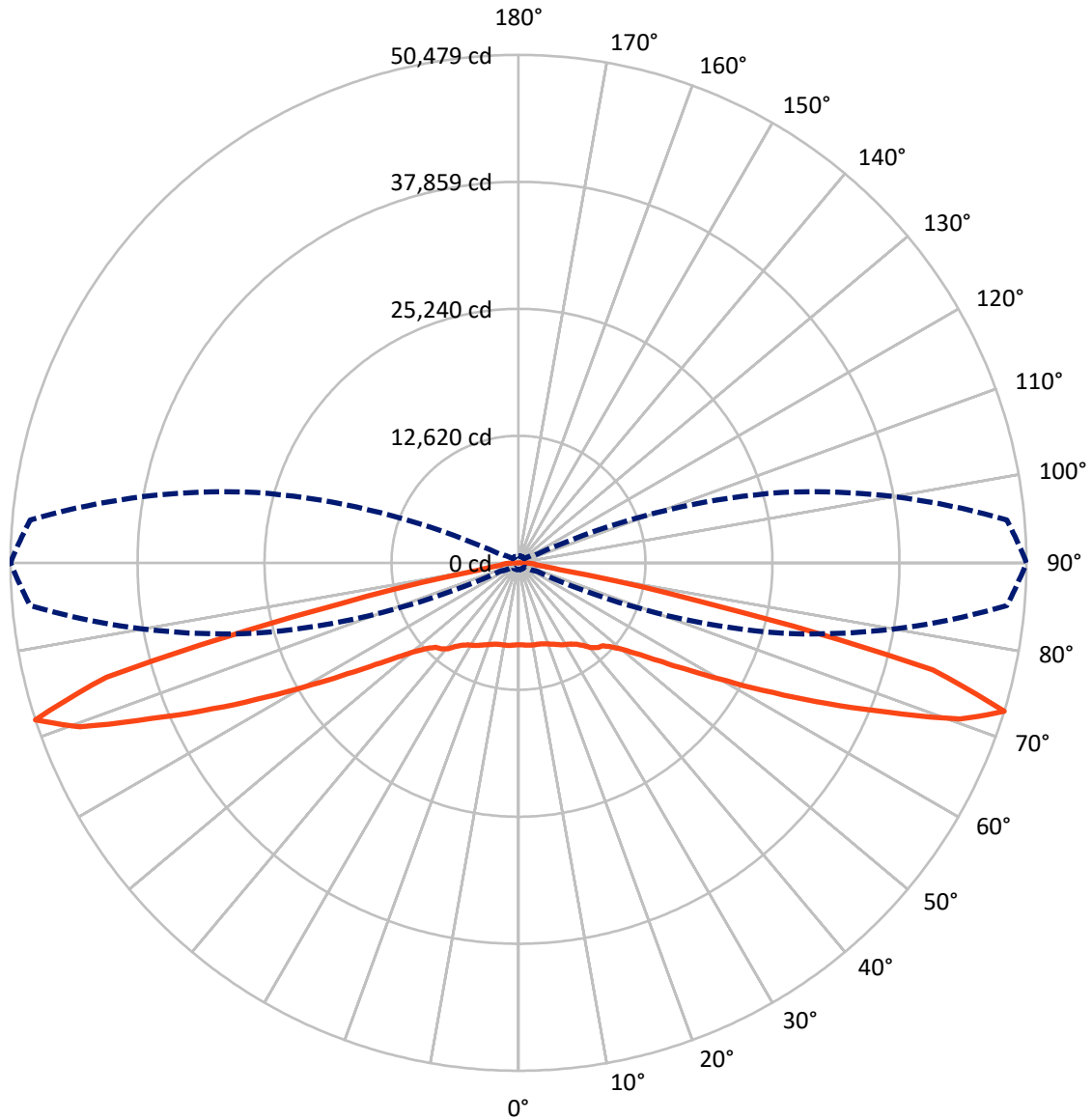
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.1 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	21832.0	0.0	21832.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21832.0	0.0	21832.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	43664.0	0.0	43664.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	791.1	1.8
10°-20°	2418.9	5.5
20°-30°	4033.4	9.2
30°-40°	5547.1	12.7
40°-50°	6774.5	15.5
50°-60°	7835.5	17.9
60°-70°	9342.5	21.4
70°-80°	6520.5	14.9
80°-90°	400.5	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°	43664.0	100.0
0°-180°	43664.0	100.0

Coefficient of Utilization

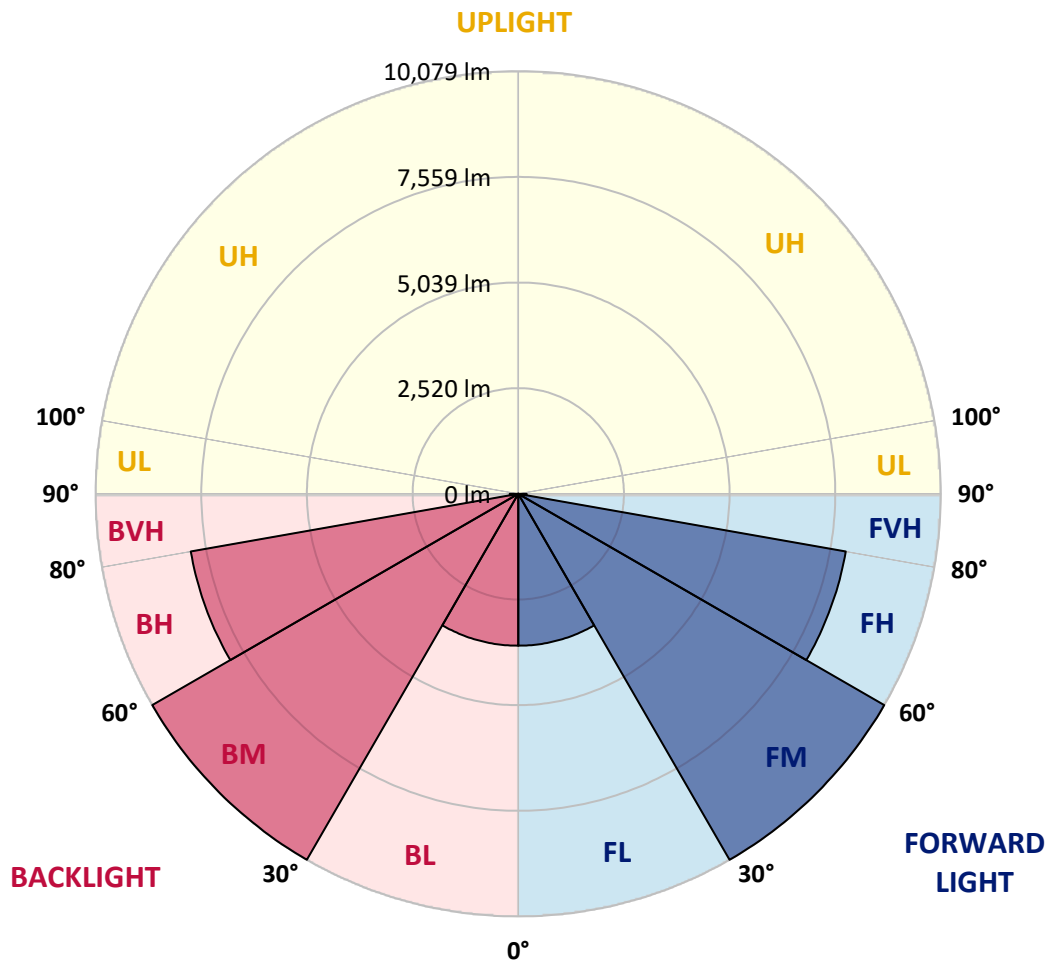


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3621.7	8.3			
FM (30°-60°)	10078.6	23.1			
FH (60°-80°)	7931.5	18.2			G4/12000
FVH (80°-90°)	200.2	0.5			G2/225
BL (0°-30°)	3621.7	8.3	B4/5000		
BM (30°-60°)	10078.6	23.1	B5		
BH (60°-80°)	7931.5	18.2	B5		G5
BVH (80°-90°)	200.2	0.5			G2/225
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°	8159.1	8159.1	8159.1	8159.1	8159.1	8159.1	8159.1	8159.1	8159.1	8159.1
2.5°	8166.0	8175.3	8175.3	8168.4	8184.6	8170.7	8170.7	8163.7	8170.7	8163.7
5°	8207.8	8219.4	8224.1	8221.7	8242.6	8231.0	8231.0	8221.7	8224.1	8217.1
7.5°	8286.7	8303.0	8312.2	8323.8	8354.0	8340.1	8330.8	8303.0	8291.4	8272.8
10°	8312.2	8330.8	8361.0	8421.3	8490.9	8493.2	8465.4	8395.8	8342.4	8300.6
12.5°	8233.3	8258.9	8321.5	8444.5	8600.0	8662.6	8618.5	8502.5	8398.1	8323.8
15°	8133.6	8161.4	8256.5	8442.2	8671.9	8818.1	8813.5	8660.3	8493.2	8377.2
17.5°	7978.1	8005.9	8142.8	8402.7	8727.6	8969.0	9033.9	8876.1	8641.8	8486.3
20°	7697.3	7722.8	7913.1	8277.4	8746.2	9129.1	9298.5	9159.2	8866.8	8655.7
22.5°	7333.0	7372.4	7595.2	8061.6	8702.1	9296.2	9600.1	9505.0	9129.1	8836.7
25°	6943.1	6984.9	7244.8	7797.1	8588.4	9416.8	9957.5	9897.2	9426.1	9061.8
27.5°	6606.6	6650.7	6933.8	7534.8	8412.0	9463.2	10310.2	10340.4	9785.8	9310.1
30°	6342.1	6383.9	6685.5	7323.7	8184.6	9416.8	10618.9	10827.7	10152.4	9525.9
32.5°	6052.0	6105.4	6423.3	7066.1	7915.4	9305.4	10888.1	11354.5	10577.1	9757.9
35°	5685.4	5734.1	6068.3	6713.4	7562.7	9126.8	11113.1	11939.3	11185.1	10110.7
37.5°	5239.8	5286.2	5618.1	6272.5	7212.3	8876.1	11284.9	12598.3	11909.1	10618.9
40°	4792.0	4836.0	5147.0	5780.5	6792.3	8555.9	11345.2	13243.4	12739.9	11317.4
42.5°	4381.2	4420.7	4706.1	5295.5	6321.2	8147.5	11266.3	13805.0	13484.8	11804.7
45°	4003.0	4037.8	4290.7	4840.7	5831.6	7650.9	11029.6	14408.3	14371.2	12152.8
47.5°	3571.3	3606.1	3868.4	4399.8	5341.9	7068.4	10628.2	15002.4	15603.4	12941.7
50°	3044.6	3074.7	3343.9	3891.6	4833.7	6448.8	10071.2	15468.8	17158.2	14136.8
52.5°	2420.3	2452.8	2715.1	3262.7	4230.4	5782.8	9337.9	15772.8	18954.3	15881.9
55°	1800.8	1824.0	2051.4	2543.3	3483.2	5024.0	8419.0	15858.7	20991.8	18267.4
57.5°	1306.5	1320.4	1466.6	1833.2	2640.8	4074.9	7302.8	15635.9	23416.7	21325.9
60°	1058.2	1062.8	1106.9	1269.3	1835.6	3002.8	5954.5	14870.1	26048.3	25268.5
62.5°	960.7	960.7	972.3	1016.4	1241.5	1981.8	4323.2	13282.9	28870.1	30250.8
65°	893.4	893.4	898.1	918.9	979.3	1262.4	2729.0	10697.8	31248.6	36087.0
67.5°	833.1	835.4	833.1	840.0	874.9	932.9	1582.6	7388.7	32529.6	42134.4
70°	770.4	775.1	763.5	763.5	791.3	793.6	990.9	4051.7	31466.8	47202.5
72.5°	696.2	703.1	684.6	679.9	700.8	691.5	744.9	1944.6	27015.9	48715.5
75°	631.2	640.5	598.7	587.1	587.1	580.1	605.7	997.8	17534.1	39739.5
77.5°	573.2	591.7	524.4	487.3	478.0	457.1	494.3	610.3	7669.4	18657.3
80°	473.4	498.9	431.6	387.5	371.3	348.1	389.9	427.0	2281.1	4332.5
82.5°	352.7	364.3	306.3	276.1	262.2	246.0	292.4	297.0	742.6	1533.9
85°	225.1	229.7	188.0	162.4	155.5	148.5	185.6	162.4	283.1	1127.8
87.5°	78.9	90.5	71.9	65.0	69.6	58.0	85.9	48.7	78.9	796.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

8159.1
8163.7
8217.1
8272.8
8293.7
8312.2
8358.6
8460.8
8616.2
8783.3
8987.5
9231.2
9412.2
9614.1
9950.5
10405.4
11089.9
11512.3
11758.3
12486.9
13566.0
15178.8
17387.9
20219.0
23873.9
28382.7
33724.7
39584.1
46531.8
50479.1
42505.6
18269.7
4149.2
1733.5
1638.3
986.2
0.0

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