

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: P849024

Luminaire Tested: **GLAN-SB5D-840-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849024
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-840-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45223 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

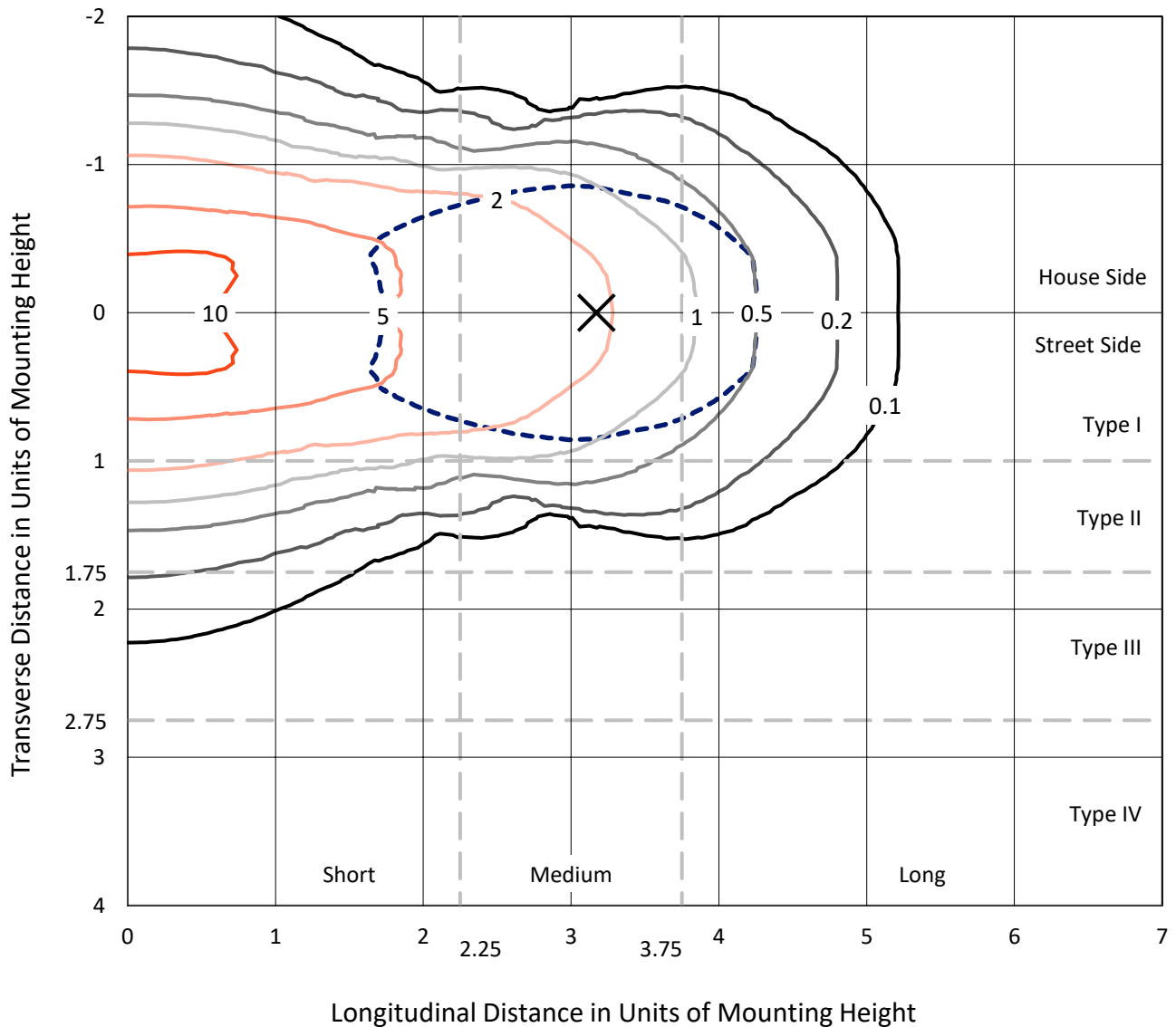
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

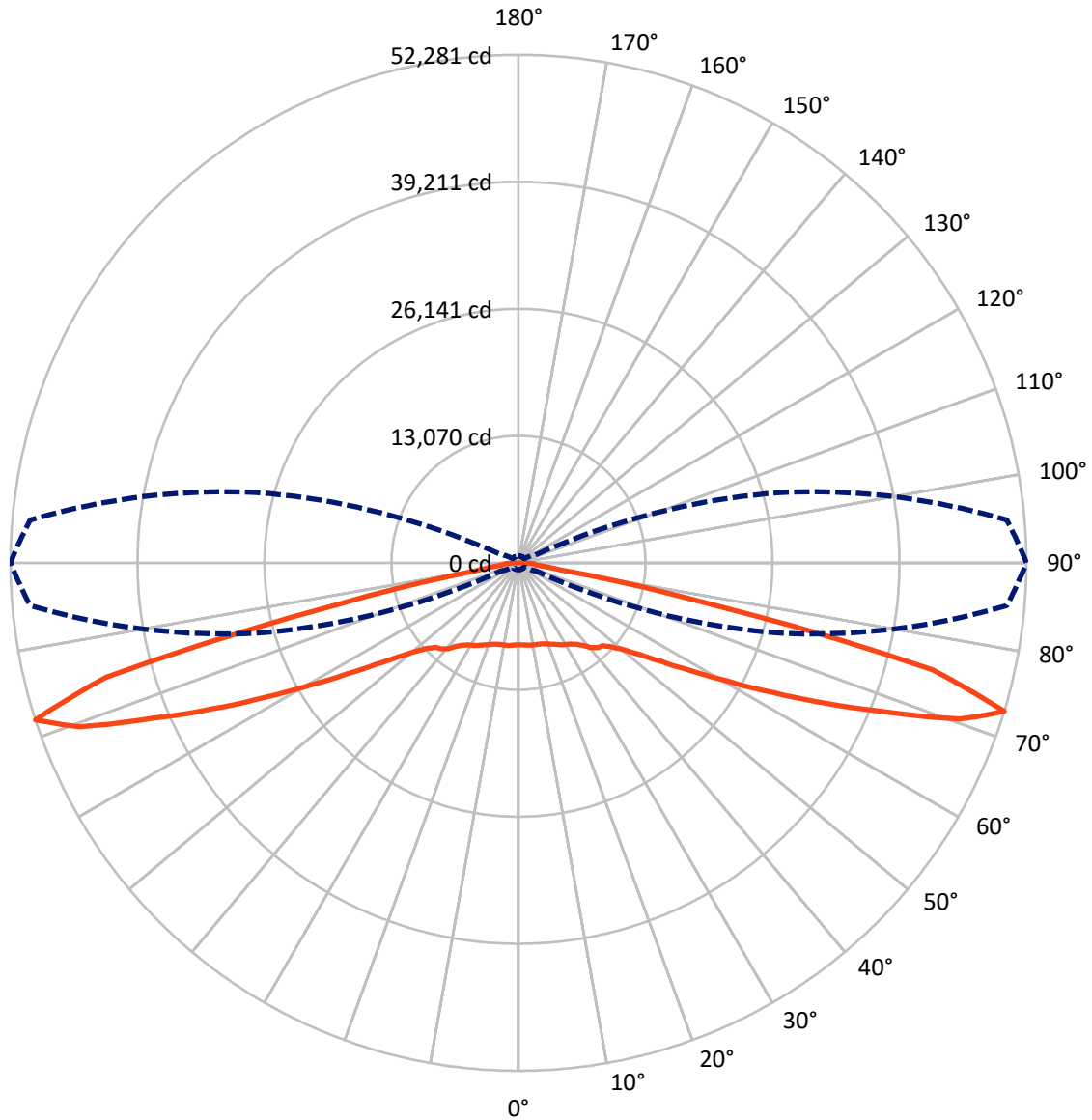
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.5 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	22611.5	0.0	22611.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22611.5	0.0	22611.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	45223.0	0.0	45223.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	819.4	1.8
10°-20°	2505.3	5.5
20°-30°	4177.4	9.2
30°-40°	5745.2	12.7
40°-50°	7016.4	15.5
50°-60°	8115.2	17.9
60°-70°	9676.1	21.4
70°-80°	6753.3	14.9
80°-90°	414.8	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°	45223.0	100.0
0°-180°	45223.0	100.0

Coefficient of Utilization



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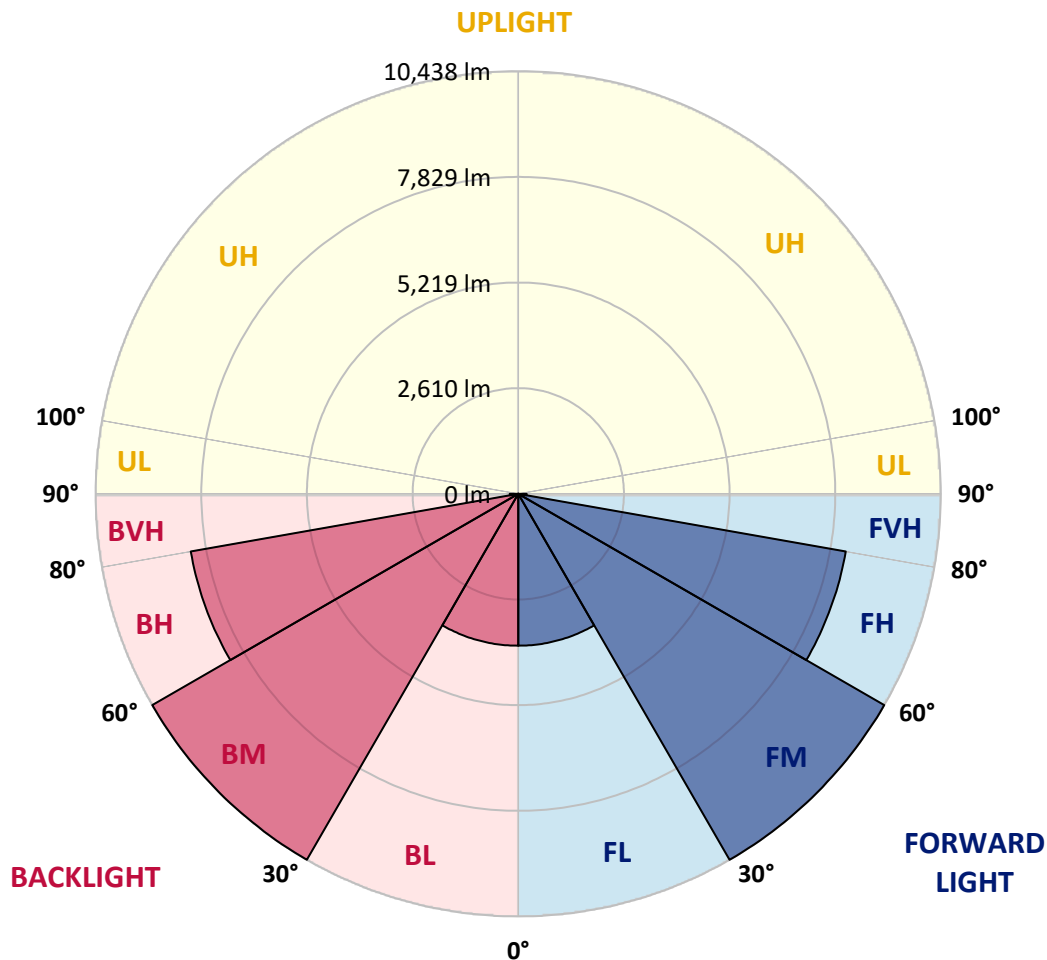
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3751.0	8.3			
FM (30°-60°)	10438.4	23.1			
FH (60°-80°)	8214.7	18.2			G4/12000
FVH (80°-90°)	207.4	0.5			G2/225
BL (0°-30°)	3751.0	8.3	B4/5000		
BM (30°-60°)	10438.4	23.1	B5		
BH (60°-80°)	8214.7	18.2	B5		G5
BVH (80°-90°)	207.4	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°	8450.4	8450.4	8450.4	8450.4	8450.4	8450.4	8450.4	8450.4	8450.4	8450.4
2.5°	8457.6	8467.2	8467.2	8460.0	8476.8	8462.4	8462.4	8455.2	8462.4	8455.2
5°	8500.9	8512.9	8517.7	8515.3	8536.9	8524.9	8524.9	8515.3	8517.7	8510.5
7.5°	8582.6	8599.4	8609.0	8621.0	8652.3	8637.9	8628.2	8599.4	8587.4	8568.2
10°	8609.0	8628.2	8659.5	8722.0	8794.1	8796.5	8767.6	8695.5	8640.3	8597.0
12.5°	8527.3	8553.7	8618.6	8746.0	8907.0	8971.9	8926.3	8806.1	8697.9	8621.0
15°	8424.0	8452.8	8551.3	8743.6	8981.5	9133.0	9128.2	8969.5	8796.5	8676.3
17.5°	8262.9	8291.8	8433.6	8702.8	9039.2	9289.2	9356.5	9193.0	8950.3	8789.3
20°	7972.1	7998.6	8195.6	8573.0	9058.5	9455.0	9630.5	9486.3	9183.4	8964.7
22.5°	7594.8	7635.6	7866.4	8349.5	9012.8	9628.1	9942.9	9844.4	9455.0	9152.2
25°	7191.0	7234.3	7503.5	8075.5	8895.0	9753.0	10313.0	10250.6	9762.7	9385.3
27.5°	6842.5	6888.2	7181.4	7803.9	8712.4	9801.1	10678.4	10709.6	10135.2	9642.5
30°	6568.5	6611.8	6924.2	7585.2	8476.8	9753.0	10998.0	11214.3	10514.9	9866.0
32.5°	6268.1	6323.4	6652.6	7318.4	8198.0	9637.7	11276.8	11759.9	10954.7	10106.3
35°	5888.4	5938.8	6284.9	6953.1	7832.7	9452.6	11509.9	12365.6	11584.4	10471.7
37.5°	5426.9	5475.0	5818.7	6496.4	7469.8	9193.0	11687.8	13048.1	12334.3	10998.0
40°	4963.0	5008.7	5330.8	5986.9	7034.8	8861.4	11750.3	13716.3	13194.7	11721.4
42.5°	4537.6	4578.5	4874.1	5484.6	6546.9	8438.4	11668.6	14297.9	13966.2	12226.2
45°	4145.9	4181.9	4443.9	5013.5	6039.8	7924.0	11423.4	14922.8	14884.3	12586.7
47.5°	3698.9	3734.9	4006.5	4556.9	5532.7	7320.8	11007.6	15538.1	16160.5	13403.8
50°	3153.3	3184.5	3463.3	4030.5	5006.3	6679.1	10430.8	16021.1	17770.8	14641.6
52.5°	2506.8	2540.4	2812.0	3379.2	4381.4	5989.3	9671.3	16336.0	19631.1	16448.9
55°	1865.0	1889.1	2124.6	2634.1	3607.5	5203.4	8719.6	16424.9	21741.3	18919.7
57.5°	1353.1	1367.5	1519.0	1898.7	2735.1	4220.4	7563.5	16194.2	24252.8	22087.4
60°	1096.0	1100.8	1146.4	1314.7	1901.1	3110.0	6167.2	15401.1	26978.3	26170.7
62.5°	995.0	995.0	1007.0	1052.7	1285.8	2052.5	4477.6	13757.1	29900.8	31330.9
65°	925.3	925.3	930.1	951.8	1014.2	1307.5	2826.4	11079.7	32364.3	37375.5
67.5°	862.8	865.2	862.8	870.0	906.1	966.2	1639.1	7652.5	33691.0	43638.7
70°	797.9	802.7	790.7	790.7	819.6	822.0	1026.3	4196.4	32590.3	48887.8
72.5°	721.0	728.2	709.0	704.2	725.8	716.2	771.5	2014.1	27980.5	50454.8
75°	653.7	663.3	620.1	608.1	608.1	600.9	627.3	1033.5	18160.2	41158.4
77.5°	593.6	612.9	543.2	504.7	495.1	473.5	511.9	632.1	7943.3	19323.4
80°	490.3	516.7	447.0	401.4	384.5	360.5	403.8	442.2	2362.6	4487.2
82.5°	365.3	377.3	317.3	286.0	271.6	254.8	302.8	307.6	769.1	1588.7
85°	233.1	237.9	194.7	168.2	161.0	153.8	192.3	168.2	293.2	1168.1
87.5°	81.7	93.7	74.5	67.3	72.1	60.1	88.9	50.5	81.7	824.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

8450.4
8455.2
8510.5
8568.2
8589.8
8609.0
8657.1
8762.8
8923.9
9096.9
9308.4
9560.8
9748.2
9957.3
10305.8
10776.9
11485.9
11923.3
12178.1
12932.8
14050.3
15720.7
18008.8
20940.9
24726.3
29396.1
34928.8
40997.4
48193.2
52281.4
44023.3
18922.1
4297.3
1795.3
1696.8
1021.4
0.0

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