

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: P846984

Luminaire Tested: **GLAN-SB2D-840-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846984
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-SB2D-840-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 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: 17903 lumens
Efficiency: N/A
Efficacy: 121.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

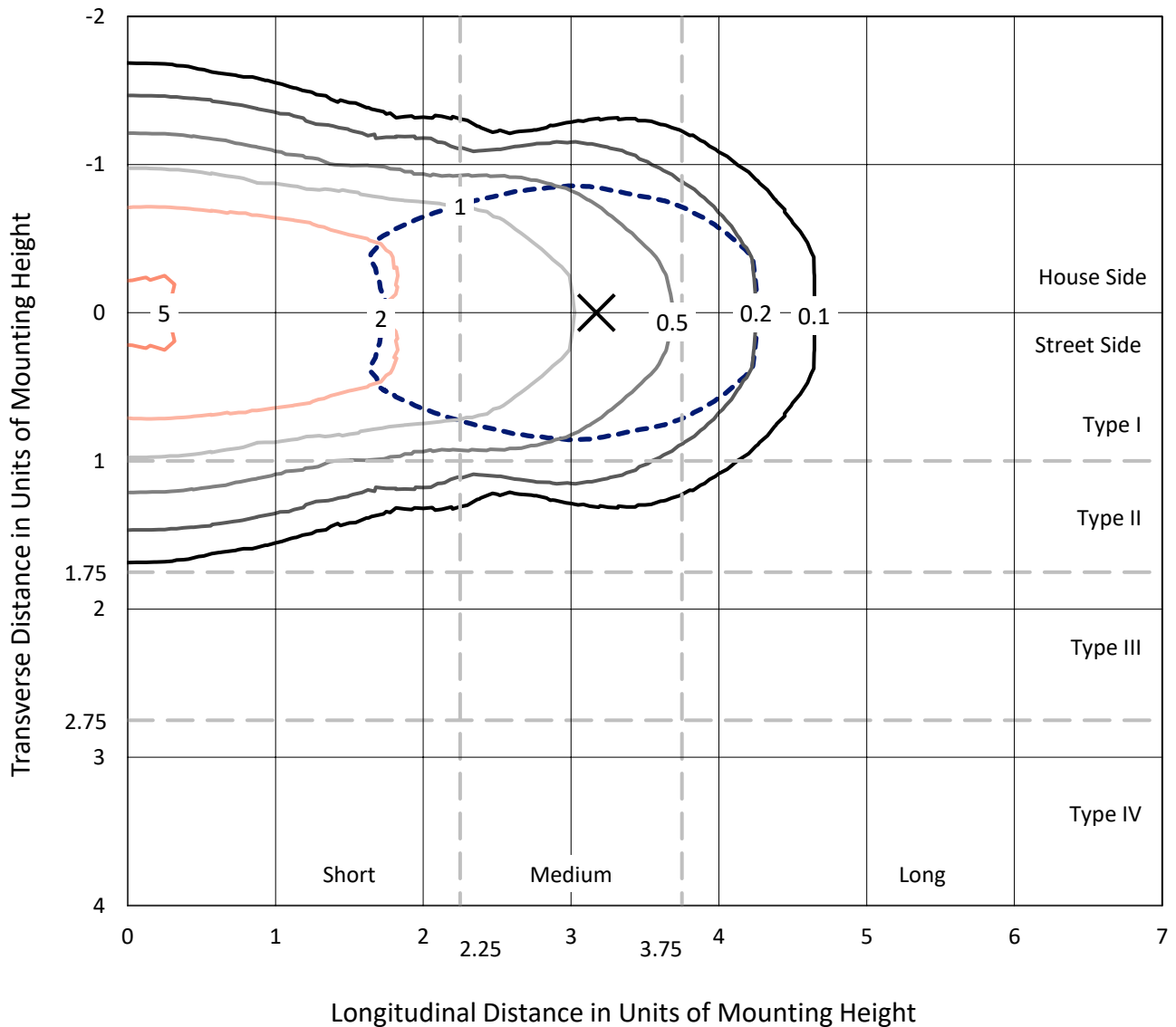
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

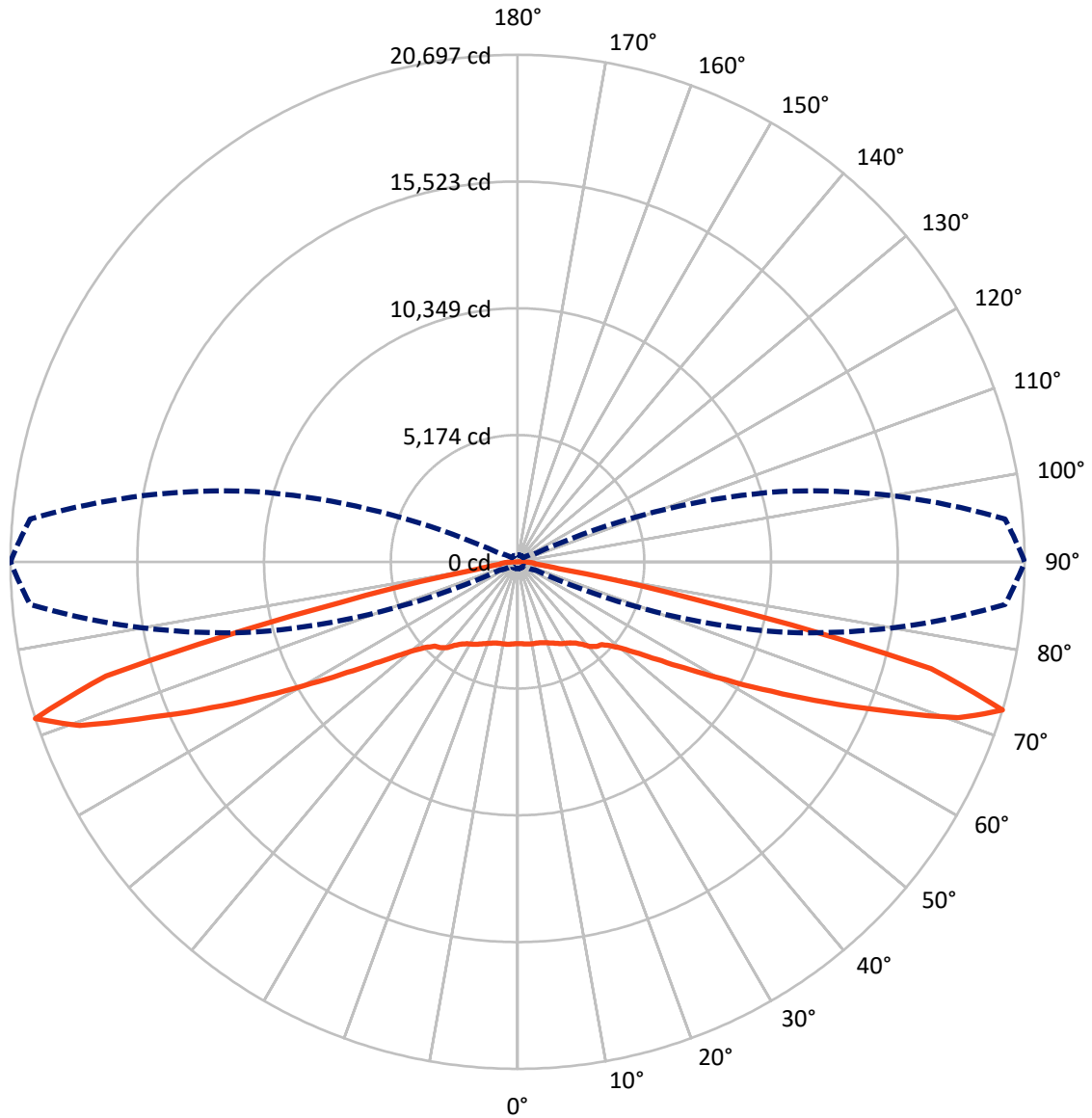
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 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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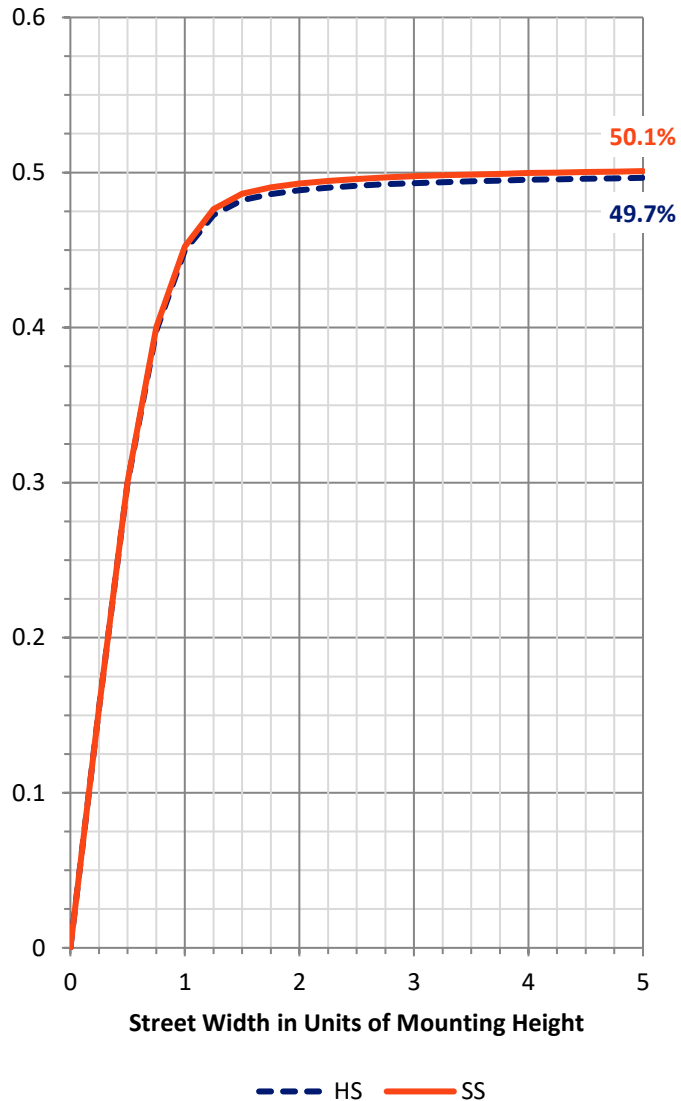
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8951.5	0.0	8951.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8951.5	0.0	8951.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17903.0	0.0	17903.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	324.4	1.8
10°-20°	991.8	5.5
20°-30°	1653.7	9.2
30°-40°	2274.4	12.7
40°-50°	2777.7	15.5
50°-60°	3212.7	17.9
60°-70°	3830.6	21.4
70°-80°	2673.5	14.9
80°-90°	164.2	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°	17903.0	100.0
0°-180°	17903.0	100.0

Coefficient of Utilization



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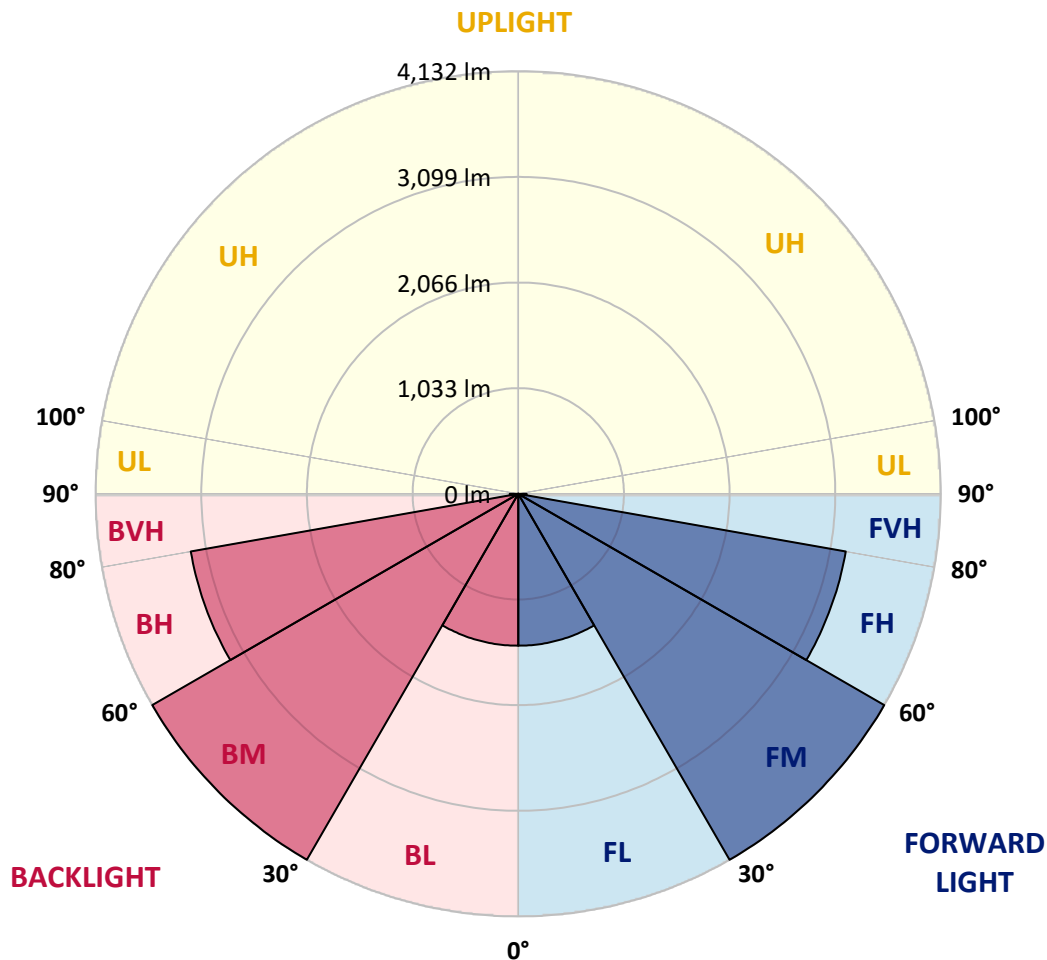
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1485.0	8.3			
FM (30°-60°)	4132.4	23.1			
FH (60°-80°)	3252.0	18.2			G2/5000
FVH (80°-90°)	82.1	0.5			G1/100
BL (0°-30°)	1485.0	8.3	B3/2500		
BM (30°-60°)	4132.4	23.1	B3/5000		
BH (60°-80°)	3252.0	18.2	B4/5000		G4/5000
BVH (80°-90°)	82.1	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3345.4	3345.4	3345.4	3345.4	3345.4	3345.4	3345.4	3345.4	3345.4	3345.4
2.5°	3348.2	3352.0	3352.0	3349.2	3355.8	3350.1	3350.1	3347.3	3350.1	3347.3
5°	3365.3	3370.1	3372.0	3371.1	3379.6	3374.9	3374.9	3371.1	3372.0	3369.2
7.5°	3397.7	3404.4	3408.2	3412.9	3425.3	3419.6	3415.8	3404.4	3399.6	3392.0
10°	3408.2	3415.8	3428.1	3452.9	3481.4	3482.4	3471.0	3442.4	3420.5	3403.4
12.5°	3375.8	3386.3	3412.0	3462.4	3526.1	3551.8	3533.8	3486.2	3443.4	3412.9
15°	3334.9	3346.3	3385.3	3461.4	3555.6	3615.6	3613.7	3550.9	3482.4	3434.8
17.5°	3271.1	3282.6	3338.7	3445.3	3578.5	3677.4	3704.1	3639.4	3543.3	3479.5
20°	3156.0	3166.5	3244.5	3393.9	3586.1	3743.1	3812.5	3755.4	3635.6	3549.0
22.5°	3006.6	3022.8	3114.2	3305.4	3568.0	3811.6	3936.2	3897.2	3743.1	3623.2
25°	2846.8	2863.9	2970.5	3196.9	3521.4	3861.1	4082.8	4058.0	3864.9	3715.5
27.5°	2708.8	2726.9	2843.0	3089.4	3449.1	3880.1	4227.4	4239.7	4012.3	3817.3
30°	2600.4	2617.5	2741.2	3002.8	3355.8	3861.1	4353.9	4439.6	4162.7	3905.8
32.5°	2481.4	2503.3	2633.7	2897.2	3245.5	3815.4	4464.3	4655.5	4336.8	4000.9
35°	2331.1	2351.1	2488.1	2752.6	3100.8	3742.1	4556.6	4895.3	4586.1	4145.5
37.5°	2148.4	2167.4	2303.5	2571.8	2957.2	3639.4	4627.0	5165.5	4882.9	4353.9
40°	1964.8	1982.9	2110.4	2370.1	2784.9	3508.1	4651.7	5430.0	5223.6	4640.3
42.5°	1796.4	1812.5	1929.6	2171.3	2591.8	3340.6	4619.4	5660.3	5529.0	4840.1
45°	1641.3	1655.6	1759.3	1984.8	2391.0	3137.0	4522.3	5907.7	5892.4	4982.8
47.5°	1464.3	1478.6	1586.1	1804.0	2190.3	2898.2	4357.7	6151.2	6397.7	5306.3
50°	1248.3	1260.7	1371.1	1595.6	1981.9	2644.1	4129.4	6342.5	7035.2	5796.3
52.5°	992.4	1005.7	1113.2	1337.8	1734.5	2371.1	3828.7	6467.1	7771.6	6511.9
55°	738.3	747.9	841.1	1042.8	1428.2	2059.9	3451.9	6502.3	8607.0	7490.0
57.5°	535.7	541.4	601.3	751.7	1082.8	1670.8	2994.3	6411.0	9601.3	8744.0
60°	433.9	435.8	453.9	520.5	752.6	1231.2	2441.5	6097.0	10680.2	10360.5
62.5°	393.9	393.9	398.7	416.7	509.0	812.6	1772.6	5446.2	11837.2	12403.3
65°	366.3	366.3	368.2	376.8	401.5	517.6	1118.9	4386.3	12812.5	14796.3
67.5°	341.6	342.5	341.6	344.4	358.7	382.5	648.9	3029.5	13337.7	17275.8
70°	315.9	317.8	313.0	313.0	324.5	325.4	406.3	1661.3	12901.9	19353.8
72.5°	285.4	288.3	280.7	278.8	287.3	283.5	305.4	797.3	11077.0	19974.2
75°	258.8	262.6	245.5	240.7	240.7	237.9	248.3	409.1	7189.3	16293.9
77.5°	235.0	242.6	215.0	199.8	196.0	187.4	202.7	250.2	3144.6	7649.8
80°	194.1	204.6	177.0	158.9	152.2	142.7	159.8	175.1	935.3	1776.4
82.5°	144.6	149.4	125.6	113.2	107.5	100.9	119.9	121.8	304.5	628.9
85°	92.3	94.2	77.1	66.6	63.7	60.9	76.1	66.6	116.1	462.4
87.5°	32.3	37.1	29.5	26.6	28.5	23.8	35.2	20.0	32.3	326.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3345.4
3347.3
3369.2
3392.0
3400.5
3408.2
3427.2
3469.1
3532.8
3601.3
3685.0
3784.9
3859.2
3941.9
4079.9
4266.4
4547.1
4720.2
4821.1
5119.9
5562.3
6223.6
7129.4
8290.1
9788.7
11637.4
13827.7
16230.2
19078.9
20697.3
17428.1
7490.9
1701.2
710.7
671.7
404.4
0.0

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