

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: P846904

Luminaire Tested: **GLAN-SB2D-730-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846904
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-730-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19447 lumens
Efficiency: N/A
Efficacy: 131.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

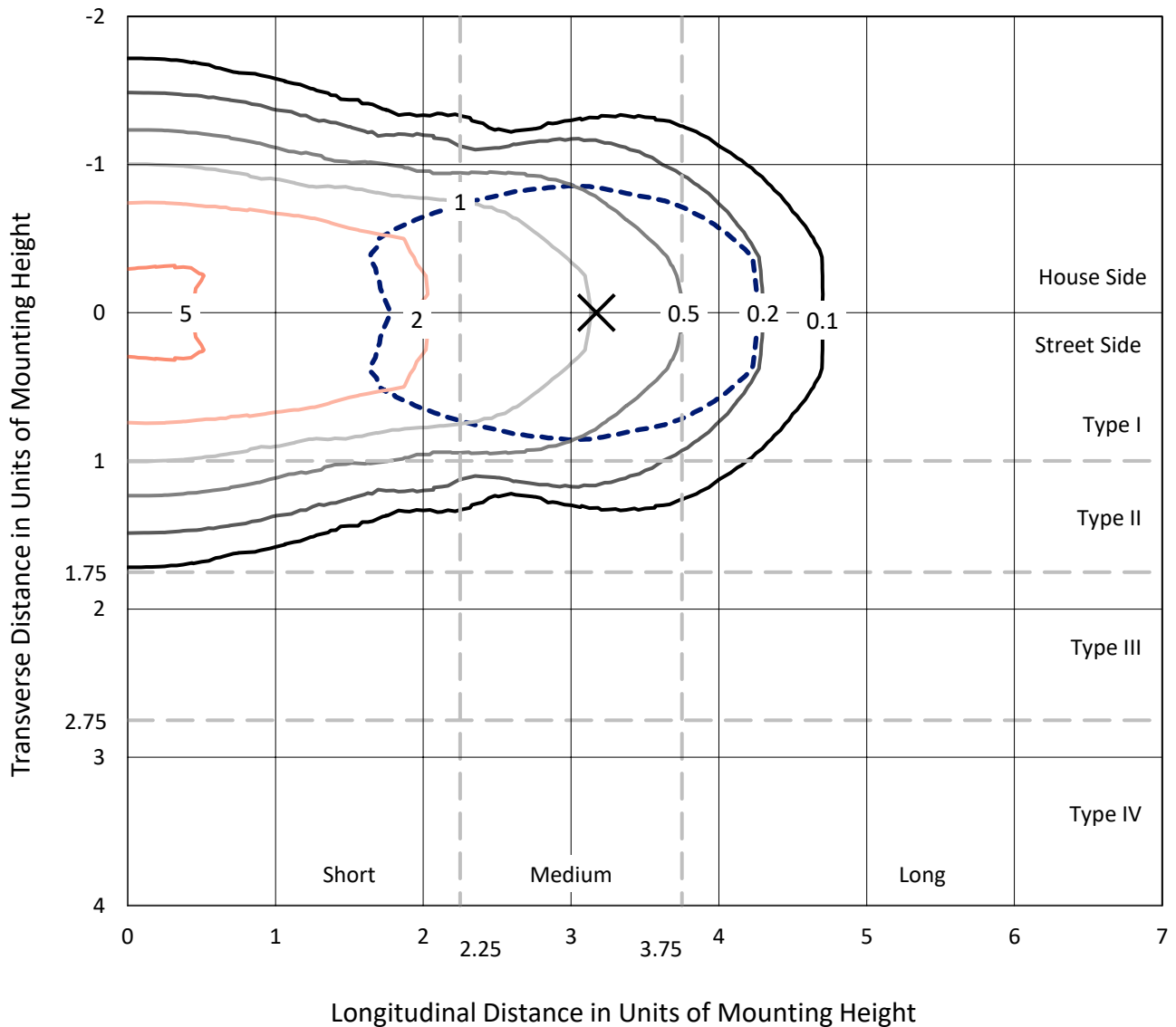
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

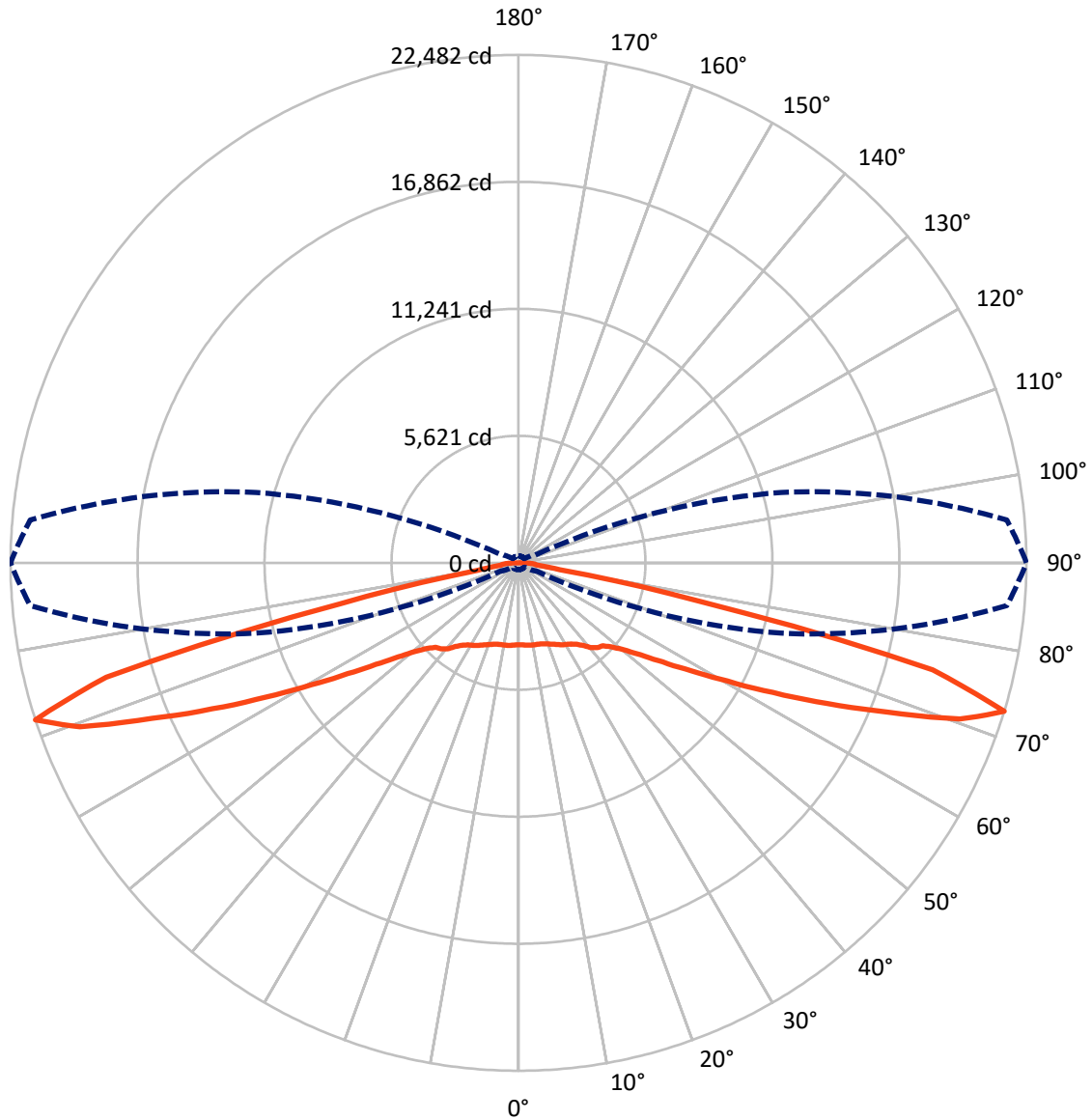
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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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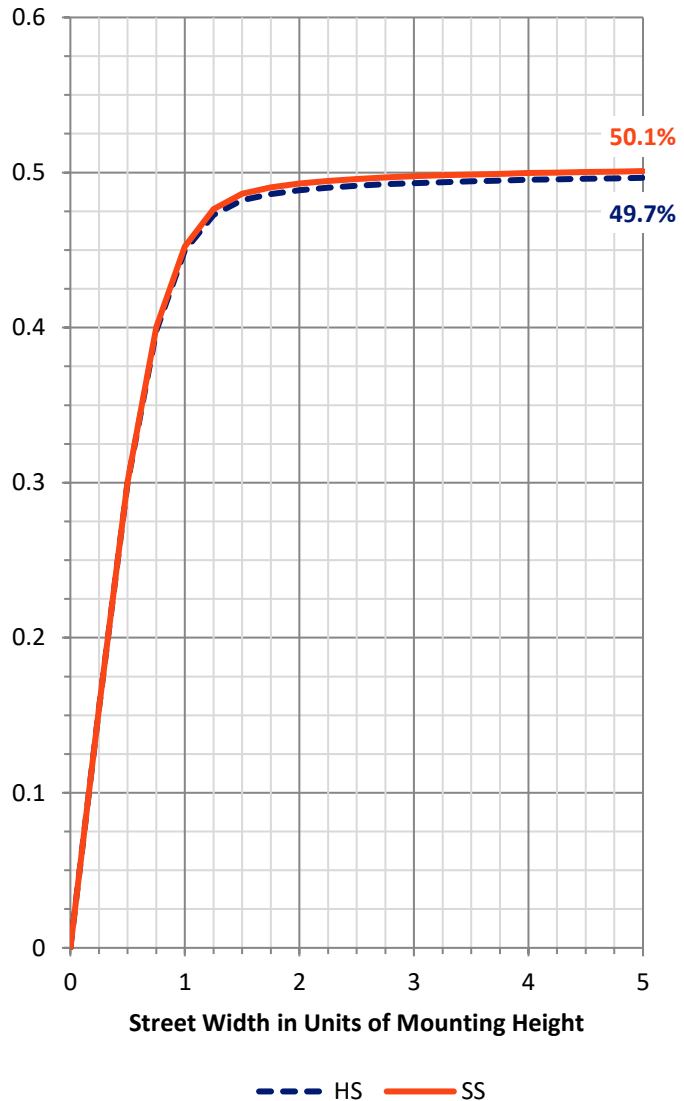
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9723.5	0.0	9723.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9723.5	0.0	9723.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	19447.0	0.0	19447.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.3	1.8
10°-20°	1077.3	5.5
20°-30°	1796.4	9.2
30°-40°	2470.6	12.7
40°-50°	3017.2	15.5
50°-60°	3489.7	17.9
60°-70°	4160.9	21.4
70°-80°	2904.1	14.9
80°-90°	178.4	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°	19447.0	100.0
0°-180°	19447.0	100.0

Coefficient of Utilization

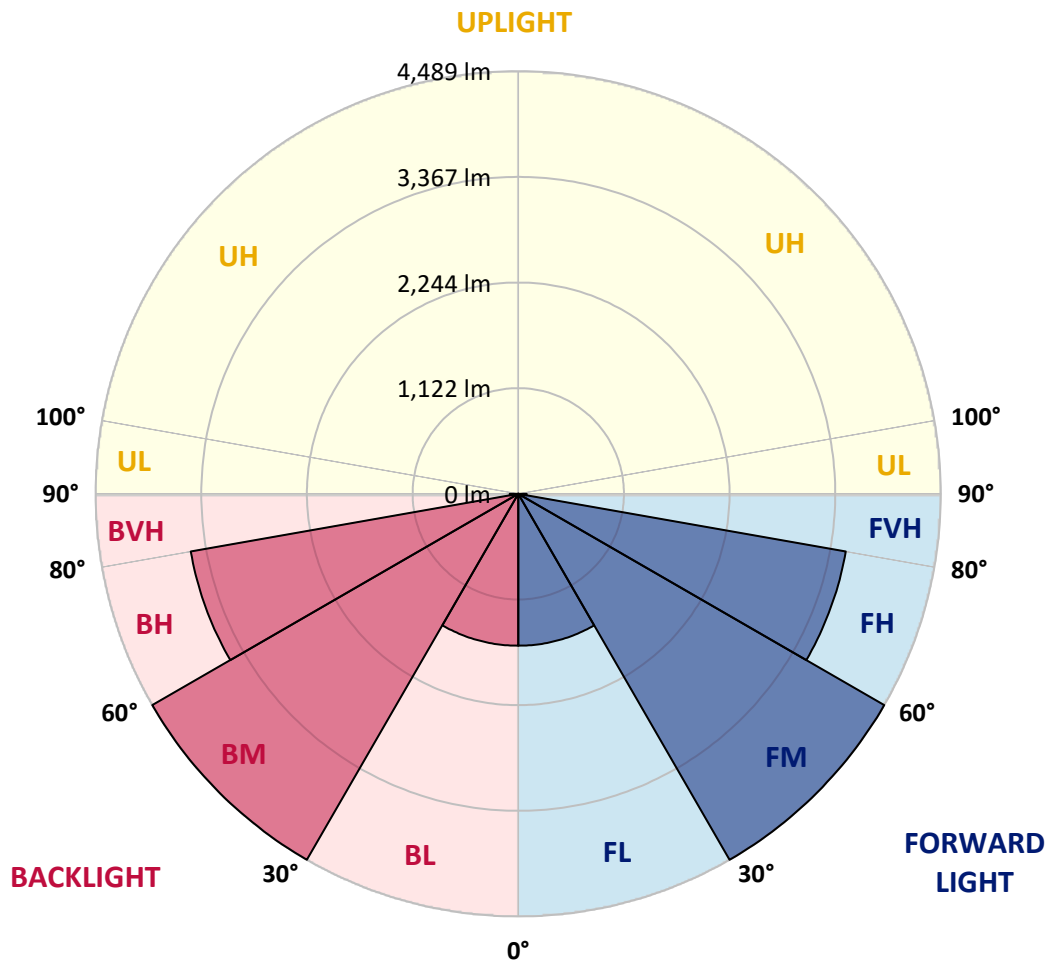


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1613.0	8.3			
FM (30°-60°)	4488.8	23.1			
FH (60°-80°)	3532.5	18.2			G2/5000
FVH (80°-90°)	89.2	0.5			G1/100
BL (0°-30°)	1613.0	8.3	B3/2500		
BM (30°-60°)	4488.8	23.1	B3/5000		
BH (60°-80°)	3532.5	18.2	B4/5000		G4/5000
BVH (80°-90°)	89.2	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°	3633.9	3633.9	3633.9	3633.9	3633.9	3633.9	3633.9	3633.9	3633.9	3633.9
2.5°	3637.0	3641.1	3641.1	3638.0	3645.2	3639.0	3639.0	3635.9	3639.0	3635.9
5°	3655.6	3660.7	3662.8	3661.8	3671.1	3665.9	3665.9	3661.8	3662.8	3659.7
7.5°	3690.7	3698.0	3702.1	3707.3	3720.7	3714.5	3710.4	3698.0	3692.8	3684.5
10°	3702.1	3710.4	3723.8	3750.7	3781.7	3782.7	3770.3	3739.3	3715.5	3696.9
12.5°	3667.0	3678.3	3706.2	3761.0	3830.2	3858.2	3838.5	3786.8	3740.3	3707.3
15°	3622.5	3634.9	3677.3	3760.0	3862.3	3927.4	3925.3	3857.1	3782.7	3731.0
17.5°	3553.3	3565.7	3626.6	3742.4	3887.1	3994.6	4023.5	3953.2	3848.9	3779.6
20°	3428.2	3439.6	3524.3	3686.6	3895.4	4065.9	4141.3	4079.3	3949.1	3855.1
22.5°	3265.9	3283.5	3382.7	3590.5	3875.7	4140.3	4275.7	4233.3	4065.9	3935.7
25°	3092.3	3110.9	3226.7	3472.6	3825.1	4194.0	4434.9	4408.0	4198.2	4035.9
27.5°	2942.4	2962.1	3088.2	3355.9	3746.5	4214.7	4592.0	4605.4	4358.4	4146.5
30°	2824.6	2843.2	2977.6	3261.8	3645.2	4194.0	4729.4	4822.4	4521.7	4242.6
32.5°	2695.4	2719.2	2860.8	3147.1	3525.4	4144.4	4849.3	5057.0	4710.8	4346.0
35°	2532.1	2553.8	2702.7	2990.0	3368.3	4064.9	4949.6	5317.5	4981.6	4503.1
37.5°	2333.7	2354.4	2502.2	2793.6	3212.2	3953.2	5026.0	5611.0	5304.1	4729.4
40°	2134.2	2153.9	2292.4	2574.5	3025.1	3810.6	5052.9	5898.3	5674.1	5040.5
42.5°	1951.3	1968.9	2096.0	2358.5	2815.3	3628.7	5017.8	6148.4	6005.8	5257.5
45°	1782.8	1798.3	1911.0	2155.9	2597.3	3407.5	4912.3	6417.2	6400.6	5412.6
47.5°	1590.6	1606.1	1722.9	1959.6	2379.2	3148.1	4733.5	6681.7	6949.4	5764.0
50°	1356.0	1369.4	1489.3	1733.2	2152.8	2872.2	4485.5	6889.5	7641.9	6296.2
52.5°	1078.0	1092.4	1209.2	1453.1	1884.1	2575.5	4158.9	7024.9	8441.8	7073.5
55°	802.0	812.4	913.6	1132.7	1551.3	2237.6	3749.6	7063.1	9349.3	8135.9
57.5°	581.9	588.1	653.2	816.5	1176.2	1814.9	3252.5	6963.9	10429.3	9498.1
60°	471.3	473.4	493.0	565.3	817.5	1337.4	2652.0	6622.8	11601.3	11254.1
62.5°	427.9	427.9	433.0	452.7	552.9	882.6	1925.5	5915.9	12858.1	13473.0
65°	397.9	397.9	400.0	409.3	436.1	562.2	1215.4	4764.6	13917.5	16072.4
67.5°	371.0	372.1	371.0	374.1	389.6	415.5	704.9	3290.7	14488.0	18765.7
70°	343.1	345.2	340.0	340.0	352.4	353.5	441.3	1804.5	14014.6	21023.0
72.5°	310.1	313.2	304.9	302.8	312.1	308.0	331.8	866.1	12032.3	21696.8
75°	281.1	285.3	266.6	261.5	261.5	258.4	269.8	444.4	7809.3	17699.1
77.5°	255.3	263.5	233.6	217.0	212.9	203.6	220.1	271.8	3415.8	8309.5
80°	210.8	222.2	192.2	172.6	165.4	155.0	173.6	190.2	1016.0	1929.6
82.5°	157.1	162.3	136.4	123.0	116.8	109.6	130.2	132.3	330.7	683.2
85°	100.3	102.3	83.7	72.3	69.2	66.1	82.7	72.3	126.1	502.3
87.5°	35.1	40.3	32.0	28.9	31.0	25.8	38.2	21.7	35.1	354.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3633.9
3635.9
3659.7
3684.5
3693.8
3702.1
3722.8
3768.2
3837.5
3911.9
4002.8
4111.4
4192.0
4281.9
4431.8
4634.3
4939.2
5127.3
5236.9
5561.4
6042.0
6760.3
7744.2
9005.1
10632.9
12641.1
15020.2
17629.9
20724.3
22482.3
18931.1
8136.9
1847.9
772.0
729.7
439.2
0.0

OF REPORT)