

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: P846914

Luminaire Tested: **GLAN-SB2D-735-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846914  
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-735-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19756 lumens  
Efficiency: N/A  
Efficacy: 133.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

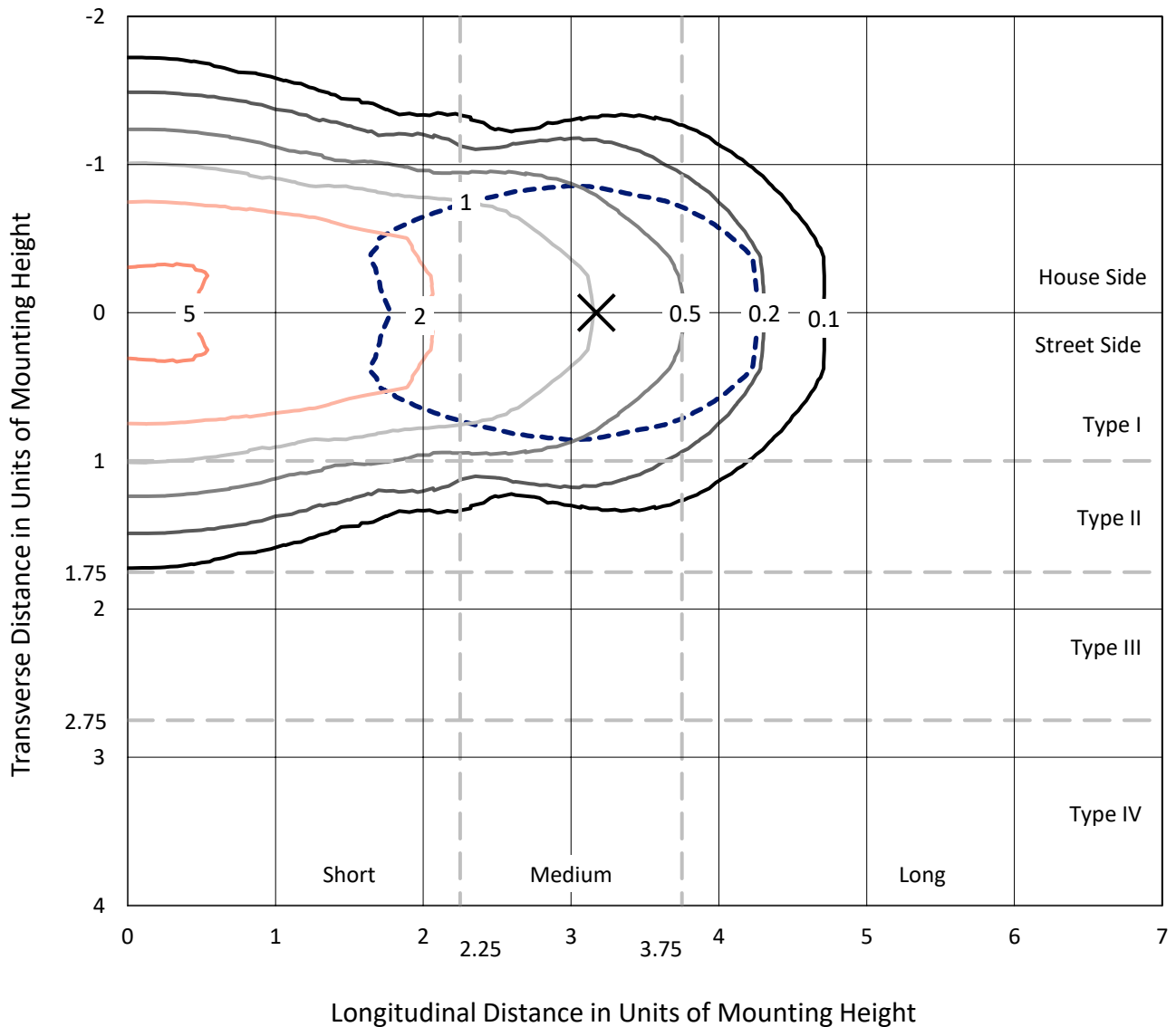
Input Watts (W): 147.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

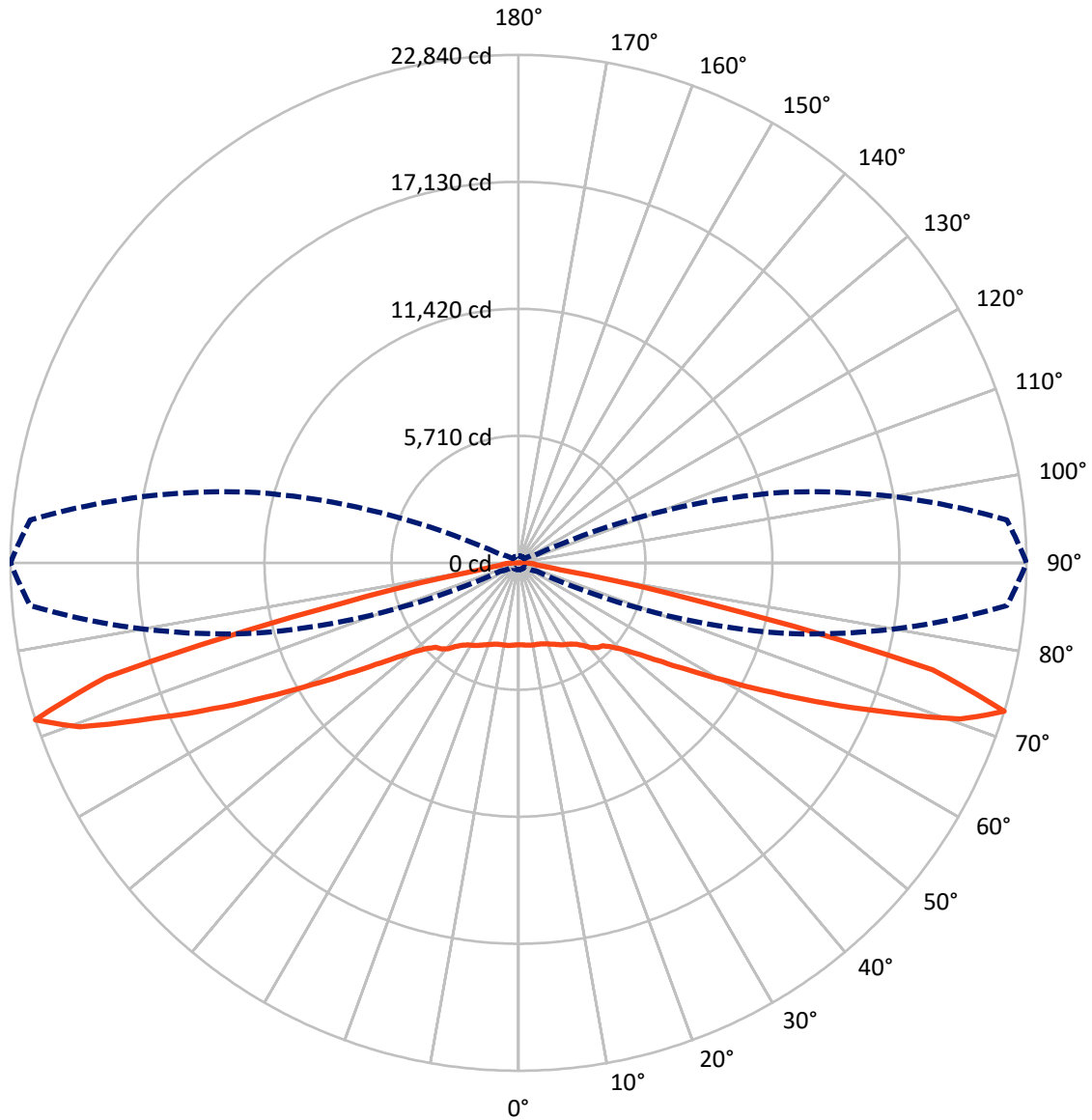
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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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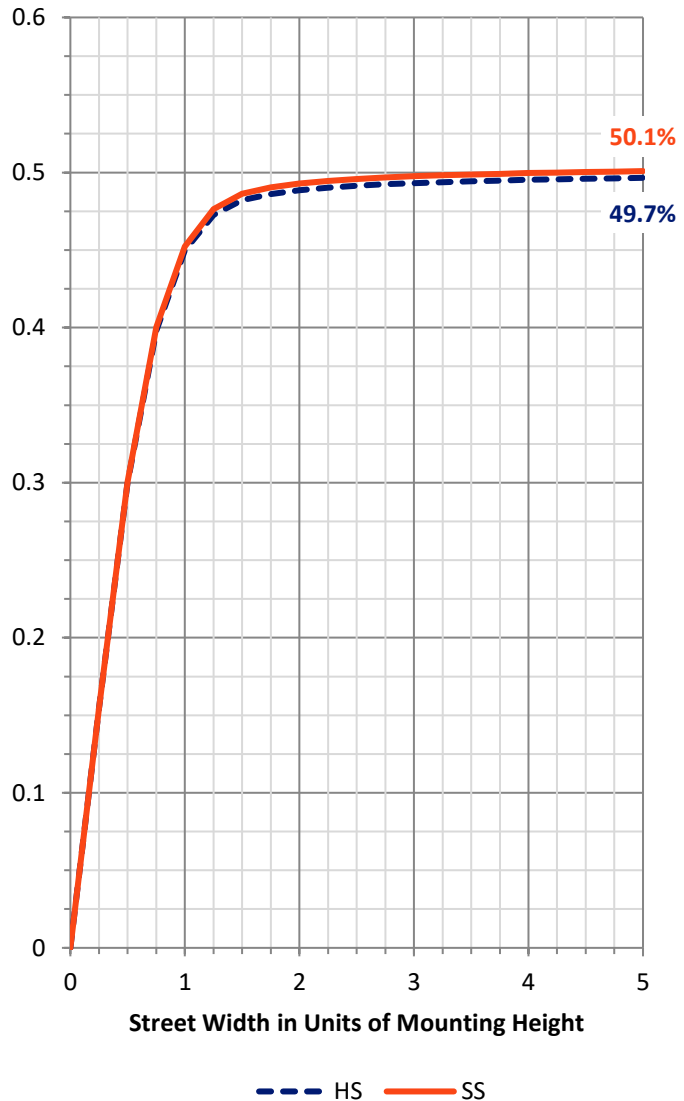
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9878.0	0.0	9878.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9878.0	0.0	9878.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19756.0	0.0	19756.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	357.9	1.8
10°-20°	1094.5	5.5
20°-30°	1824.9	9.2
30°-40°	2509.8	12.7
40°-50°	3065.2	15.5
50°-60°	3545.2	17.9
60°-70°	4227.1	21.4
70°-80°	2950.2	14.9
80°-90°	181.2	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°	19756.0	100.0
0°-180°	19756.0	100.0

**Coefficient of Utilization**



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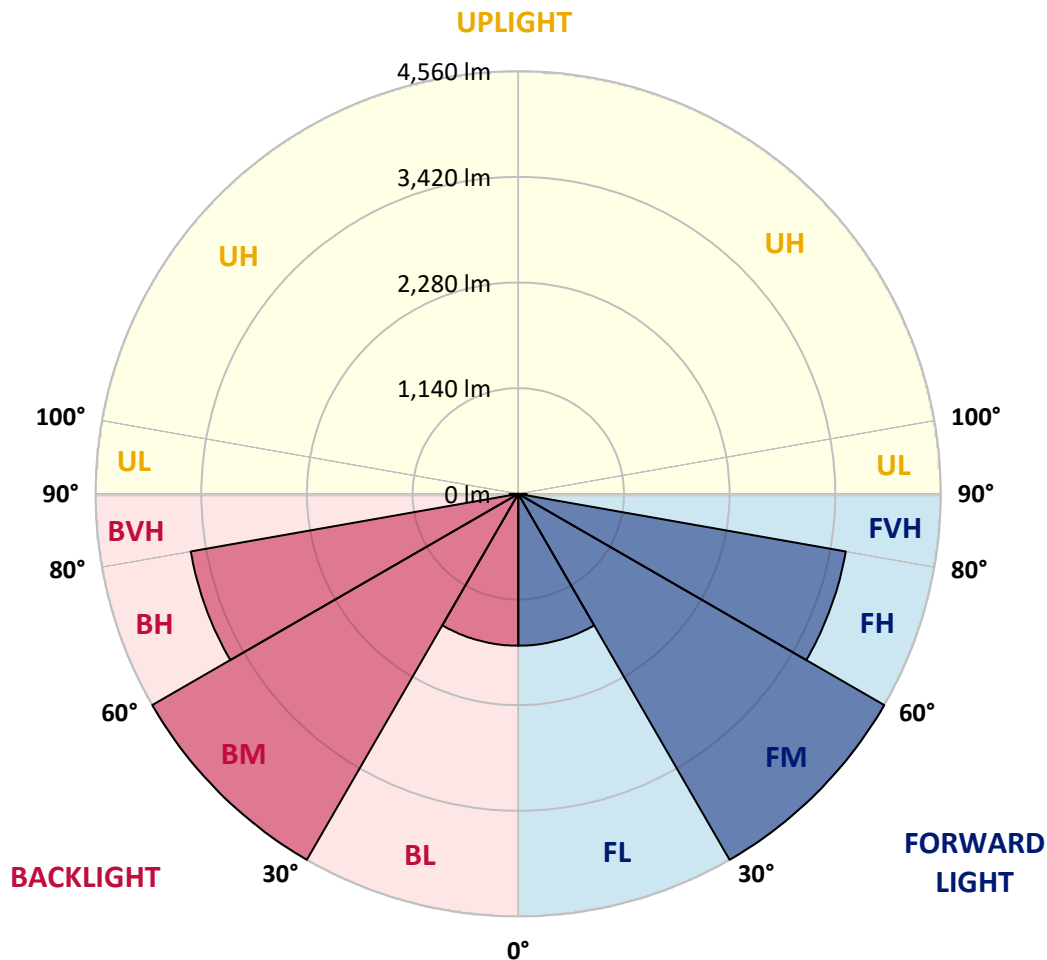
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1638.7	8.3			
FM (30°-60°)	4560.1	23.1			
FH (60°-80°)	3588.6	18.2			G2/5000
FVH (80°-90°)	90.6	0.5			G1/100
BL (0°-30°)	1638.7	8.3	B3/2500		
BM (30°-60°)	4560.1	23.1	B3/5000		
BH (60°-80°)	3588.6	18.2	B4/5000		G4/5000
BVH (80°-90°)	90.6	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°	3691.6	3691.6	3691.6	3691.6	3691.6	3691.6	3691.6	3691.6	3691.6	3691.6
2.5°	3694.8	3699.0	3699.0	3695.8	3703.2	3696.9	3696.9	3693.7	3696.9	3693.7
5°	3713.7	3718.9	3721.0	3720.0	3729.4	3724.2	3724.2	3720.0	3721.0	3717.9
7.5°	3749.4	3756.7	3760.9	3766.2	3779.8	3773.5	3769.3	3756.7	3751.5	3743.1
10°	3760.9	3769.3	3783.0	3810.3	3841.8	3842.8	3830.2	3798.7	3774.6	3755.7
12.5°	3725.2	3736.8	3765.1	3820.8	3891.1	3919.5	3899.5	3847.0	3799.8	3766.2
15°	3680.1	3692.7	3735.7	3819.7	3923.7	3989.8	3987.7	3918.4	3842.8	3790.3
17.5°	3609.7	3622.3	3684.3	3801.9	3948.9	4058.0	4087.4	4016.1	3910.0	3839.7
20°	3482.7	3494.2	3580.3	3745.2	3957.3	4130.5	4207.1	4144.1	4011.9	3916.3
22.5°	3317.8	3335.7	3436.5	3647.5	3937.3	4206.1	4343.6	4300.6	4130.5	3998.2
25°	3141.4	3160.3	3277.9	3527.8	3885.9	4260.7	4505.3	4478.0	4264.9	4100.0
27.5°	2989.2	3009.2	3137.2	3409.2	3806.1	4281.7	4664.9	4678.6	4427.6	4212.4
30°	2869.5	2888.4	3024.9	3313.6	3703.2	4260.7	4804.6	4899.1	4593.5	4310.0
32.5°	2738.3	2762.4	2906.3	3197.1	3581.4	4210.3	4926.4	5137.4	4785.7	4415.0
35°	2572.4	2594.4	2745.6	3037.5	3421.8	4129.4	5028.2	5402.0	5060.7	4574.6
37.5°	2370.8	2391.8	2541.9	2838.0	3263.2	4016.1	5105.9	5700.2	5388.3	4804.6
40°	2168.1	2188.1	2328.8	2615.4	3073.2	3871.2	5133.2	5992.1	5764.2	5120.6
42.5°	1982.3	2000.2	2129.3	2396.0	2860.1	3686.4	5097.5	6246.1	6101.2	5341.1
45°	1811.2	1826.9	1941.4	2190.2	2638.5	3461.7	4990.4	6519.1	6502.3	5498.6
47.5°	1615.9	1631.6	1750.3	1990.7	2417.0	3198.1	4808.8	6787.9	7059.9	5855.6
50°	1377.5	1391.2	1513.0	1760.8	2187.0	2917.8	4556.8	6999.0	7763.3	6396.3
52.5°	1095.1	1109.8	1228.4	1476.2	1914.1	2616.5	4225.0	7136.5	8576.0	7185.8
55°	814.8	825.3	928.2	1150.7	1576.0	2273.1	3809.2	7175.3	9497.8	8265.2
57.5°	591.1	597.4	663.6	829.5	1194.8	1843.7	3304.2	7074.5	10595.0	9649.0
60°	478.8	480.9	500.8	574.3	830.5	1358.6	2694.2	6728.1	11785.7	11432.9
62.5°	434.7	434.7	439.9	459.9	561.7	896.7	1956.1	6009.9	13062.4	13687.1
65°	404.2	404.2	406.3	415.8	443.1	571.2	1234.7	4840.3	14138.6	16327.7
67.5°	376.9	378.0	376.9	380.1	395.8	422.1	716.1	3343.0	14718.2	19063.9
70°	348.6	350.7	345.4	345.4	358.0	359.1	448.3	1833.2	14237.3	21357.0
72.5°	315.0	318.1	309.7	307.6	317.1	312.9	337.0	879.9	12223.5	22041.6
75°	285.6	289.8	270.9	265.6	265.6	262.5	274.0	451.5	7933.4	17980.4
77.5°	259.3	267.7	237.3	220.5	216.3	206.8	223.6	276.1	3470.1	8441.6
80°	214.2	225.7	195.3	175.3	168.0	157.5	176.4	193.2	1032.1	1960.3
82.5°	159.6	164.8	138.6	124.9	118.6	111.3	132.3	134.4	336.0	694.0
85°	101.8	103.9	85.0	73.5	70.3	67.2	84.0	73.5	128.1	510.3
87.5°	35.7	40.9	32.5	29.4	31.5	26.2	38.8	22.0	35.7	360.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3691.6  
3693.7  
3717.9  
3743.1  
3752.5  
3760.9  
3781.9  
3828.1  
3898.5  
3974.1  
4066.4  
4176.7  
4258.6  
4349.9  
4502.2  
4708.0  
5017.7  
5208.8  
5320.1  
5649.8  
6138.0  
6867.7  
7867.3  
9148.2  
10801.9  
12841.9  
15258.9  
17910.0  
21053.6  
22839.5  
19231.9  
8266.2  
1877.3  
784.3  
741.3  
446.2  
0.0

OF REPORT)