

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: P848954

Luminaire Tested: **GLAN-SB5D-735-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848954  
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-735-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 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: 49901 lumens  
Efficiency: N/A  
Efficacy: 136.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

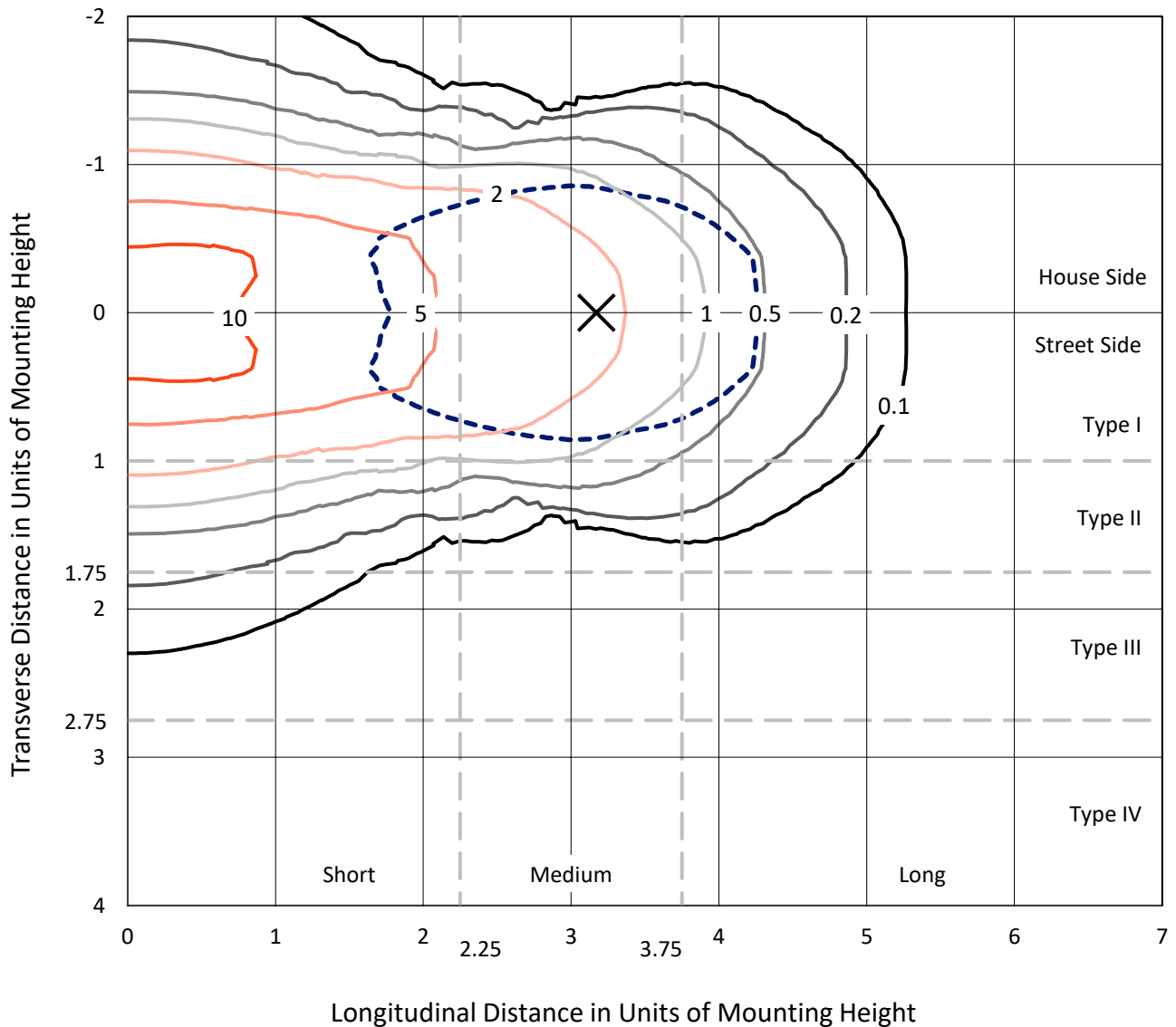
Input Watts (W): 364.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

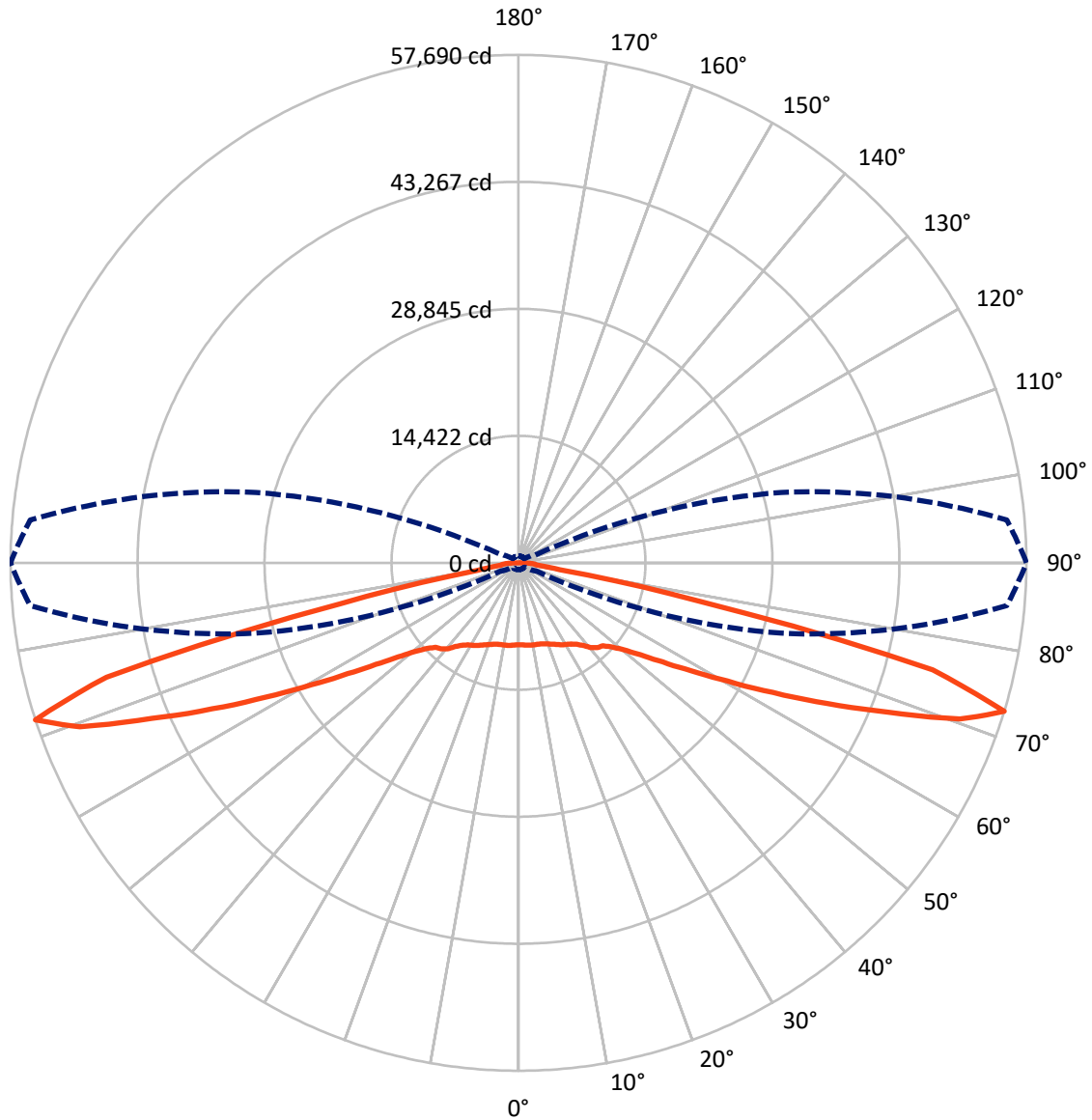
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.9 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	24950.5	0.0	24950.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	24950.5	0.0	24950.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	49901.0	0.0	49901.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	904.1	1.8
10°-20°	2764.5	5.5
20°-30°	4609.5	9.2
30°-40°	6339.5	12.7
40°-50°	7742.2	15.5
50°-60°	8954.7	17.9
60°-70°	10677.0	21.4
70°-80°	7451.8	14.9
80°-90°	457.7	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°	49901.0	100.0
0°-180°	49901.0	100.0

**Coefficient of Utilization**

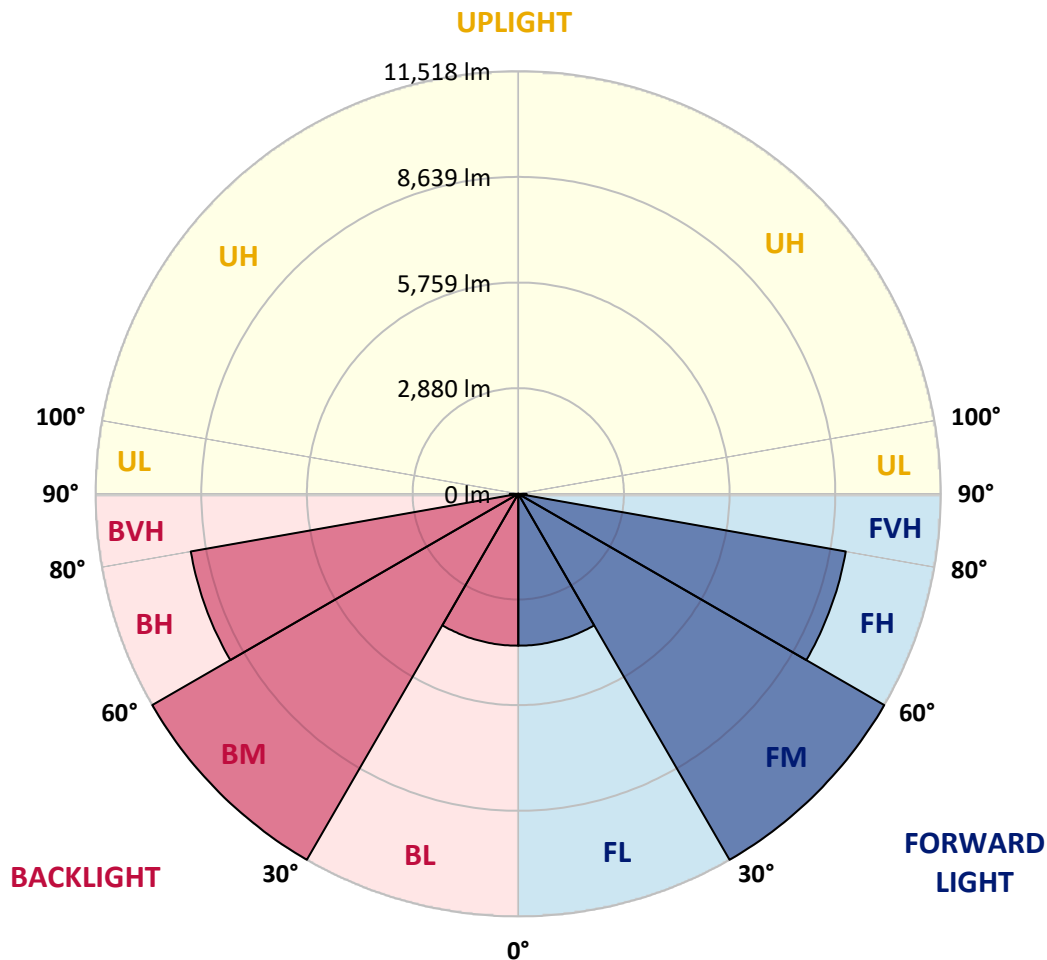


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4139.0	8.3			
FM (30°-60°)	11518.2	23.1			
FH (60°-80°)	9064.4	18.2			G4/12000
FVH (80°-90°)	228.8	0.5			G3/500
BL (0°-30°)	4139.0	8.3	B4/5000		
BM (30°-60°)	11518.2	23.1	B5		
BH (60°-80°)	9064.4	18.2	B5		G5
BVH (80°-90°)	228.8	0.5			G3/500
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°	9324.5	9324.5	9324.5	9324.5	9324.5	9324.5	9324.5	9324.5	9324.5	9324.5
2.5°	9332.5	9343.1	9343.1	9335.1	9353.7	9337.8	9337.8	9329.8	9337.8	9329.8
5°	9380.2	9393.5	9398.8	9396.1	9420.0	9406.7	9406.7	9396.1	9398.8	9390.8
7.5°	9470.4	9489.0	9499.6	9512.8	9547.3	9531.4	9520.8	9489.0	9475.7	9454.5
10°	9499.6	9520.8	9555.3	9624.2	9703.8	9706.4	9674.6	9595.0	9534.0	9486.3
12.5°	9409.4	9438.6	9510.2	9650.7	9828.4	9900.0	9849.6	9717.0	9597.7	9512.8
15°	9295.4	9327.2	9435.9	9648.1	9910.6	10077.7	10072.4	9897.4	9706.4	9573.8
17.5°	9117.7	9149.5	9306.0	9603.0	9974.3	10250.1	10324.3	10144.0	9876.2	9698.5
20°	8796.8	8825.9	9043.4	9459.8	9995.5	10433.1	10626.7	10467.6	10133.4	9892.1
22.5°	8380.4	8425.5	8680.1	9213.1	9945.1	10624.0	10971.4	10862.7	10433.1	10098.9
25°	7934.9	7982.6	8279.6	8910.8	9815.2	10761.9	11379.8	11310.9	10772.5	10356.2
27.5°	7550.3	7600.7	7924.3	8611.1	9613.6	10815.0	11783.0	11817.4	11183.6	10639.9
30°	7248.0	7295.7	7640.5	8369.8	9353.7	10761.9	12135.7	12374.4	11602.6	10886.6
32.5°	6916.5	6977.5	7340.8	8075.4	9046.1	10634.6	12443.3	12976.4	12087.9	11151.8
35°	6497.5	6553.2	6935.1	7672.3	8643.0	10430.4	12700.6	13644.7	12782.8	11554.9
37.5°	5988.3	6041.3	6420.6	7168.4	8242.5	10144.0	12896.8	14397.9	13610.2	12135.7
40°	5476.4	5526.8	5882.2	6606.2	7762.5	9778.0	12965.8	15135.1	14559.6	12933.9
42.5°	5007.0	5052.1	5378.3	6051.9	7224.1	9311.3	12875.6	15776.9	15410.9	13490.9
45°	4574.7	4614.5	4903.6	5532.1	6664.5	8743.7	12605.1	16466.4	16424.0	13888.7
47.5°	4081.5	4121.3	4420.9	5028.2	6105.0	8078.1	12146.3	17145.4	17832.2	14790.4
50°	3479.5	3513.9	3821.6	4447.5	5524.2	7370.0	11509.8	17678.4	19609.1	16156.2
52.5°	2766.1	2803.2	3102.9	3728.8	4834.6	6608.9	10671.8	18025.8	21661.8	18150.5
55°	2058.0	2084.5	2344.4	2906.6	3980.7	5741.6	9621.6	18124.0	23990.2	20876.8
57.5°	1493.1	1509.0	1676.1	2095.1	3018.0	4657.0	8345.9	17869.4	26761.6	24372.1
60°	1209.3	1214.6	1265.0	1450.7	2097.8	3431.7	6805.1	16994.2	29769.0	28877.9
62.5°	1097.9	1097.9	1111.2	1161.6	1418.8	2264.8	4940.7	15180.2	32993.9	34571.8
65°	1021.0	1021.0	1026.3	1050.2	1119.2	1442.7	3118.8	12225.8	35712.2	41241.7
67.5°	952.1	954.7	952.1	960.0	999.8	1066.1	1808.7	8444.1	37176.1	48152.9
70°	880.5	885.8	872.5	872.5	904.3	907.0	1132.4	4630.4	35961.5	53944.9
72.5°	795.6	803.6	782.3	777.0	800.9	790.3	851.3	2222.4	30874.9	55674.0
75°	721.4	732.0	684.2	671.0	671.0	663.0	692.2	1140.4	20038.7	45416.0
77.5°	655.1	676.3	599.4	556.9	546.3	522.4	564.9	697.5	8765.0	21322.3
80°	541.0	570.2	493.3	442.9	424.3	397.8	445.5	488.0	2606.9	4951.3
82.5°	403.1	416.4	350.1	315.6	299.7	281.1	334.2	339.5	848.6	1753.0
85°	257.2	262.6	214.8	185.6	177.7	169.7	212.2	185.6	323.5	1288.9
87.5°	90.2	103.4	82.2	74.3	79.6	66.3	98.1	55.7	90.2	909.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

9324.5  
9329.8  
9390.8  
9454.5  
9478.3  
9499.6  
9552.6  
9669.3  
9847.0  
10037.9  
10271.3  
10549.8  
10756.6  
10987.3  
11371.9  
11891.7  
12674.0  
13156.7  
13437.8  
14270.6  
15503.8  
17346.9  
19871.6  
23107.1  
27284.1  
32436.9  
38541.9  
45238.3  
53178.5  
57689.6  
48577.2  
20879.4  
4741.8  
1981.1  
1872.3  
1127.1  
0.0

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