

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: P849294

Luminaire Tested: **GLAN-SB6B-735-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849294  
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-SB6B-735-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33149 lumens  
Efficiency: N/A  
Efficacy: 150.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

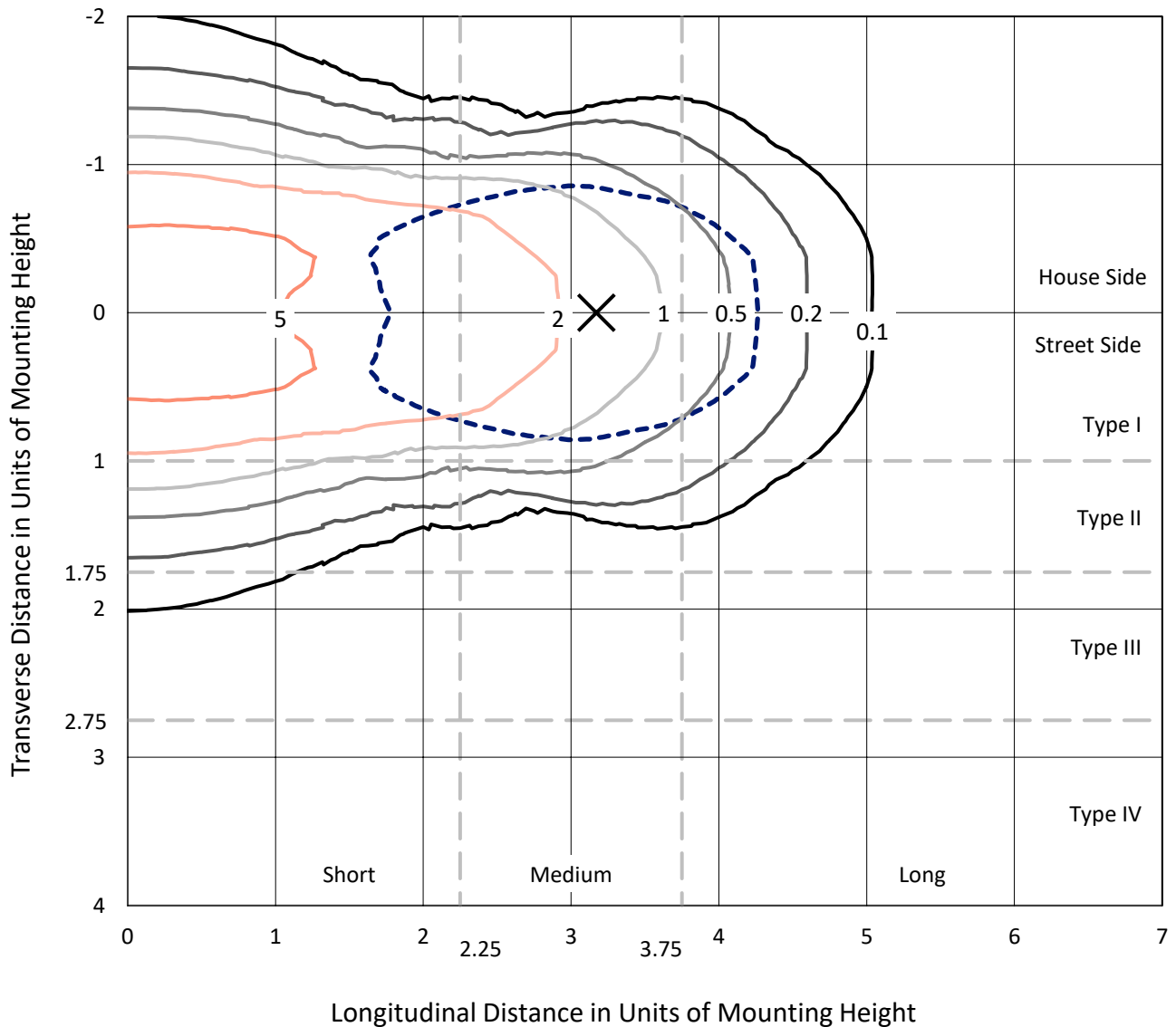
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

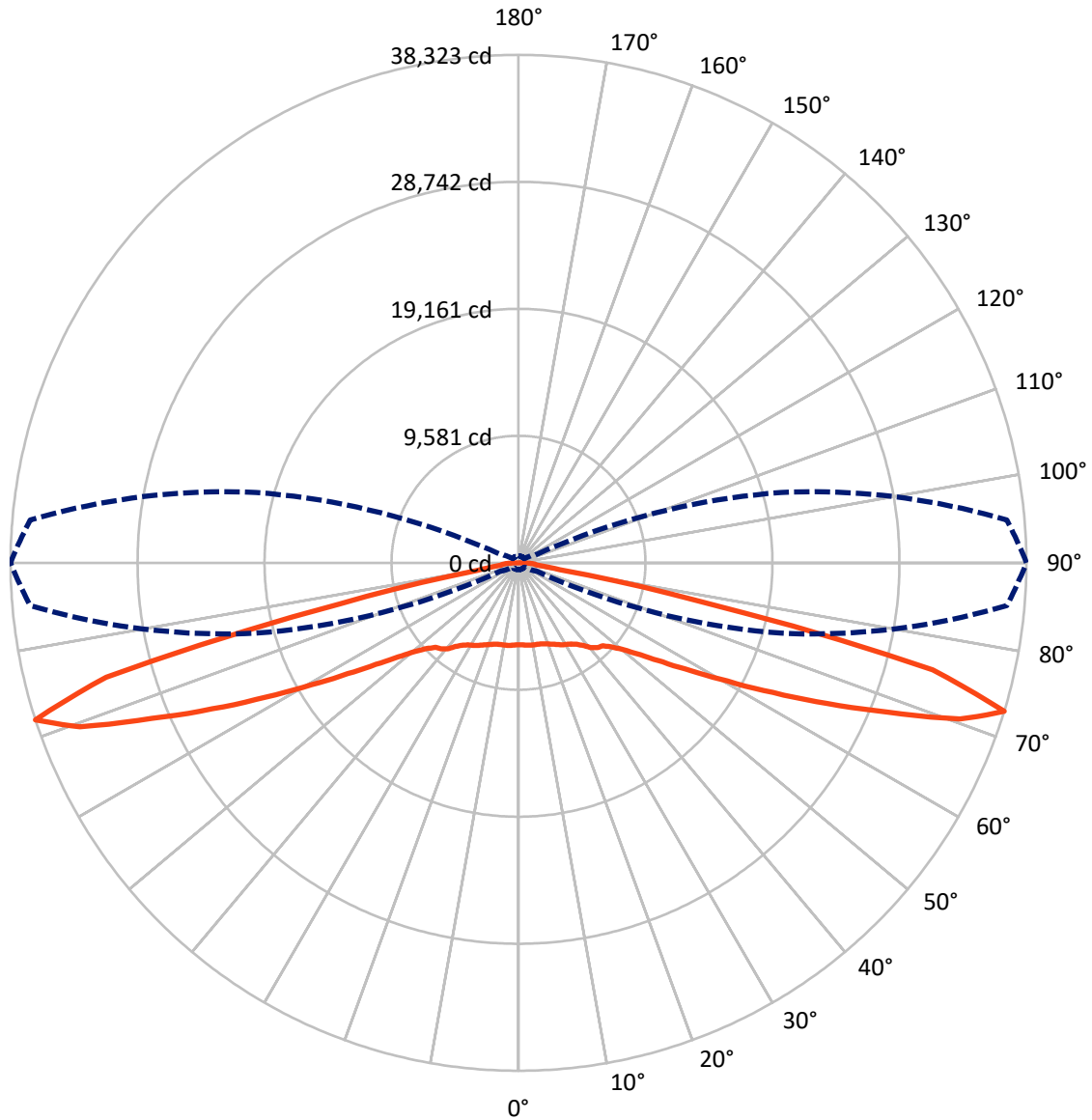
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 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	16574.5	0.0	16574.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16574.5	0.0	16574.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	33149.0	0.0	33149.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	600.6	1.8
10°-20°	1836.4	5.5
20°-30°	3062.1	9.2
30°-40°	4211.3	12.7
40°-50°	5143.1	15.5
50°-60°	5948.6	17.9
60°-70°	7092.7	21.4
70°-80°	4950.2	14.9
80°-90°	304.0	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°	33149.0	100.0
0°-180°	33149.0	100.0

**Coefficient of Utilization**

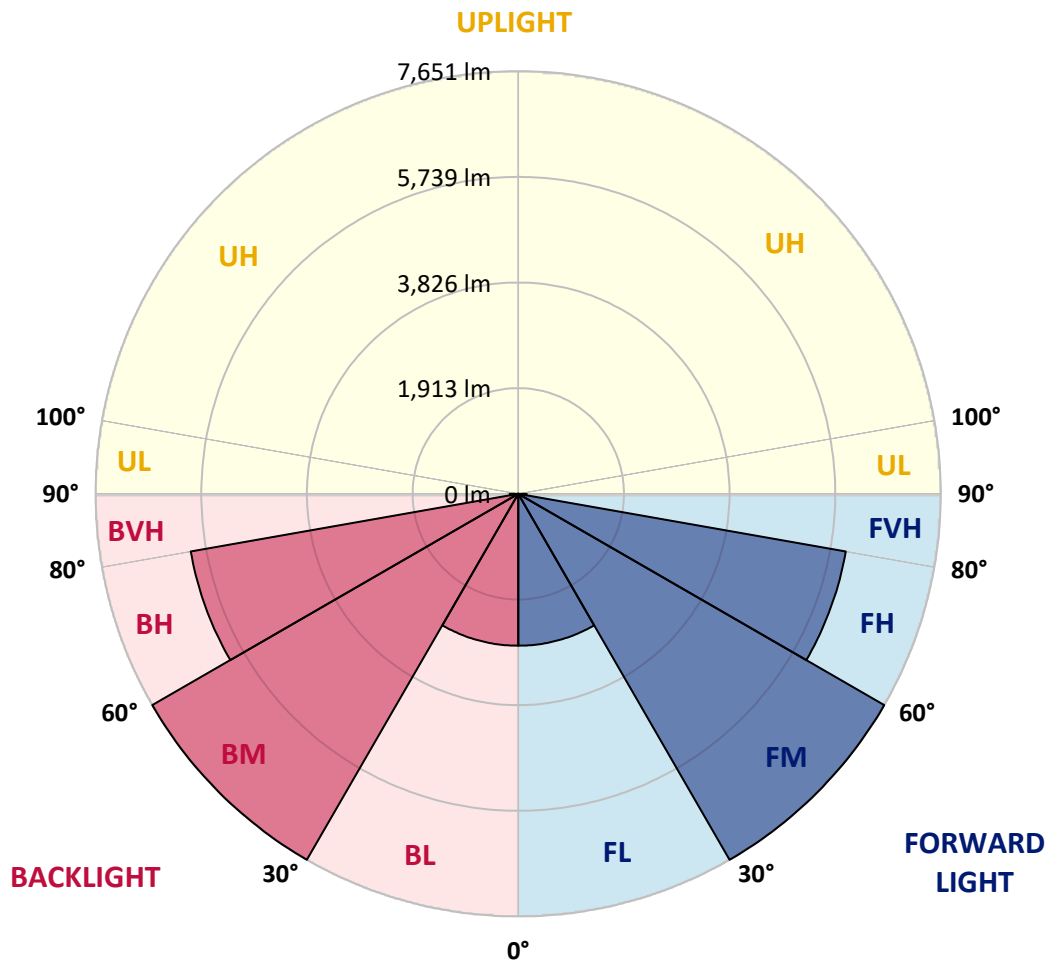


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2749.5	8.3			
FM (30°-60°)	7651.5	23.1			
FH (60°-80°)	6021.5	18.2			G3/7500
FVH (80°-90°)	152.0	0.5			G2/225
BL (0°-30°)	2749.5	8.3	B4/5000		
BM (30°-60°)	7651.5	23.1	B4/8500		
BH (60°-80°)	6021.5	18.2	B5		G5
BVH (80°-90°)	152.0	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°	6194.2	6194.2	6194.2	6194.2	6194.2	6194.2	6194.2	6194.2	6194.2	6194.2
2.5°	6199.5	6206.6	6206.6	6201.3	6213.6	6203.0	6203.0	6197.8	6203.0	6197.8
5°	6231.2	6240.0	6243.6	6241.8	6257.7	6248.9	6248.9	6241.8	6243.6	6238.3
7.5°	6291.1	6303.5	6310.5	6319.3	6342.2	6331.7	6324.6	6303.5	6294.7	6280.6
10°	6310.5	6324.6	6347.5	6393.3	6446.2	6447.9	6426.8	6373.9	6333.4	6301.7
12.5°	6250.6	6270.0	6317.6	6410.9	6529.0	6576.5	6543.1	6455.0	6375.7	6319.3
15°	6174.9	6196.0	6268.2	6409.2	6583.6	6694.6	6691.0	6574.8	6447.9	6359.8
17.5°	6056.8	6078.0	6181.9	6379.2	6625.9	6809.1	6858.4	6738.6	6560.7	6442.6
20°	5843.7	5863.0	6007.5	6284.1	6640.0	6930.6	7059.2	6953.5	6731.6	6571.3
22.5°	5567.1	5597.0	5766.1	6120.2	6606.5	7057.5	7288.3	7216.0	6930.6	6708.7
25°	5271.1	5302.8	5500.1	5919.4	6520.2	7149.1	7559.6	7513.8	7156.1	6879.6
27.5°	5015.6	5049.1	5264.0	5720.3	6386.3	7184.3	7827.4	7850.3	7429.2	7068.1
30°	4814.8	4846.5	5075.5	5560.0	6213.6	7149.1	8061.7	8220.2	7707.6	7231.9
32.5°	4594.6	4635.1	4876.5	5364.5	6009.3	7064.5	8266.0	8620.1	8030.0	7408.1
35°	4316.2	4353.2	4606.9	5096.7	5741.5	6928.9	8436.9	9064.1	8491.5	7675.9
37.5°	3978.0	4013.2	4265.1	4762.0	5475.5	6738.6	8567.3	9564.4	9041.2	8061.7
40°	3638.0	3671.4	3907.5	4388.5	5156.6	6495.5	8613.1	10054.2	9671.9	8592.0
42.5°	3326.1	3356.1	3572.8	4020.3	4799.0	6185.4	8553.2	10480.5	10237.4	8961.9
45°	3039.0	3065.4	3257.4	3675.0	4427.2	5808.4	8373.5	10938.6	10910.4	9226.2
47.5°	2711.3	2737.7	2936.8	3340.2	4055.5	5366.2	8068.7	11389.6	11845.9	9825.2
50°	2311.4	2334.3	2538.7	2954.4	3669.7	4895.8	7645.9	11743.7	13026.2	10732.5
52.5°	1837.5	1862.1	2061.2	2477.0	3211.6	4390.2	7089.2	11974.5	14389.8	12057.3
55°	1367.1	1384.7	1557.4	1930.9	2644.4	3814.1	6391.6	12039.7	15936.6	13868.3
57.5°	991.9	1002.4	1113.4	1391.8	2004.8	3093.6	5544.2	11870.5	17777.6	16190.3
60°	803.3	806.9	840.3	963.7	1393.5	2279.7	4520.6	11289.2	19775.4	19183.5
62.5°	729.4	729.4	738.2	771.6	942.5	1504.5	3282.1	10084.1	21917.7	22965.9
65°	678.3	678.3	681.8	697.6	743.4	958.4	2071.8	8121.6	23723.4	27396.7
67.5°	632.5	634.2	632.5	637.7	664.2	708.2	1201.5	5609.3	24695.9	31987.7
70°	584.9	588.4	579.6	579.6	600.7	602.5	752.3	3076.0	23889.1	35835.3
72.5°	528.5	533.8	519.7	516.2	532.0	525.0	565.5	1476.3	20510.1	36984.0
75°	479.2	486.2	454.5	445.7	445.7	440.4	459.8	757.5	13311.6	30169.6
77.5°	435.1	449.2	398.2	370.0	362.9	347.1	375.2	463.3	5822.5	14164.3
80°	359.4	378.8	327.7	294.2	281.9	264.3	296.0	324.2	1731.8	3289.1
82.5°	267.8	276.6	232.5	209.6	199.1	186.7	222.0	225.5	563.8	1164.5
85°	170.9	174.4	142.7	123.3	118.0	112.8	140.9	123.3	214.9	856.2
87.5°	59.9	68.7	54.6	49.3	52.9	44.0	65.2	37.0	59.9	604.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6194.2  
6197.8  
6238.3  
6280.6  
6296.4  
6310.5  
6345.7  
6423.3  
6541.3  
6668.1  
6823.2  
7008.2  
7145.6  
7298.8  
7554.3  
7899.6  
8419.3  
8739.9  
8926.7  
9479.9  
10299.1  
11523.5  
13200.6  
15349.9  
18124.7  
21547.7  
25603.2  
30051.6  
35326.2  
38322.9  
32269.6  
13870.1  
3150.0  
1316.0  
1243.8  
748.7  
0.0

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