

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: P849634

Luminaire Tested: **GLAN-SB6D-735-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849634
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-SB6D-735-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 59905 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

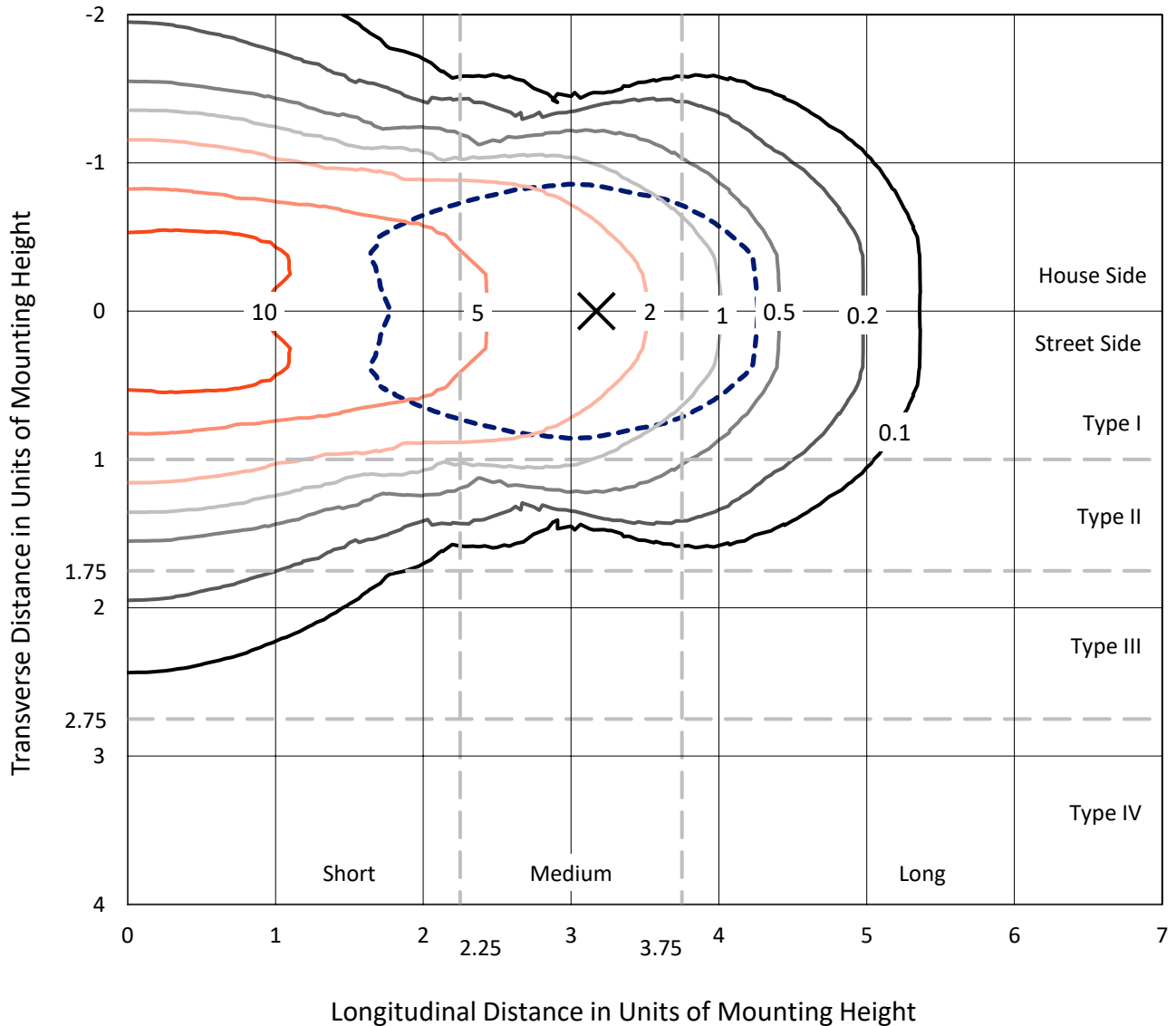
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

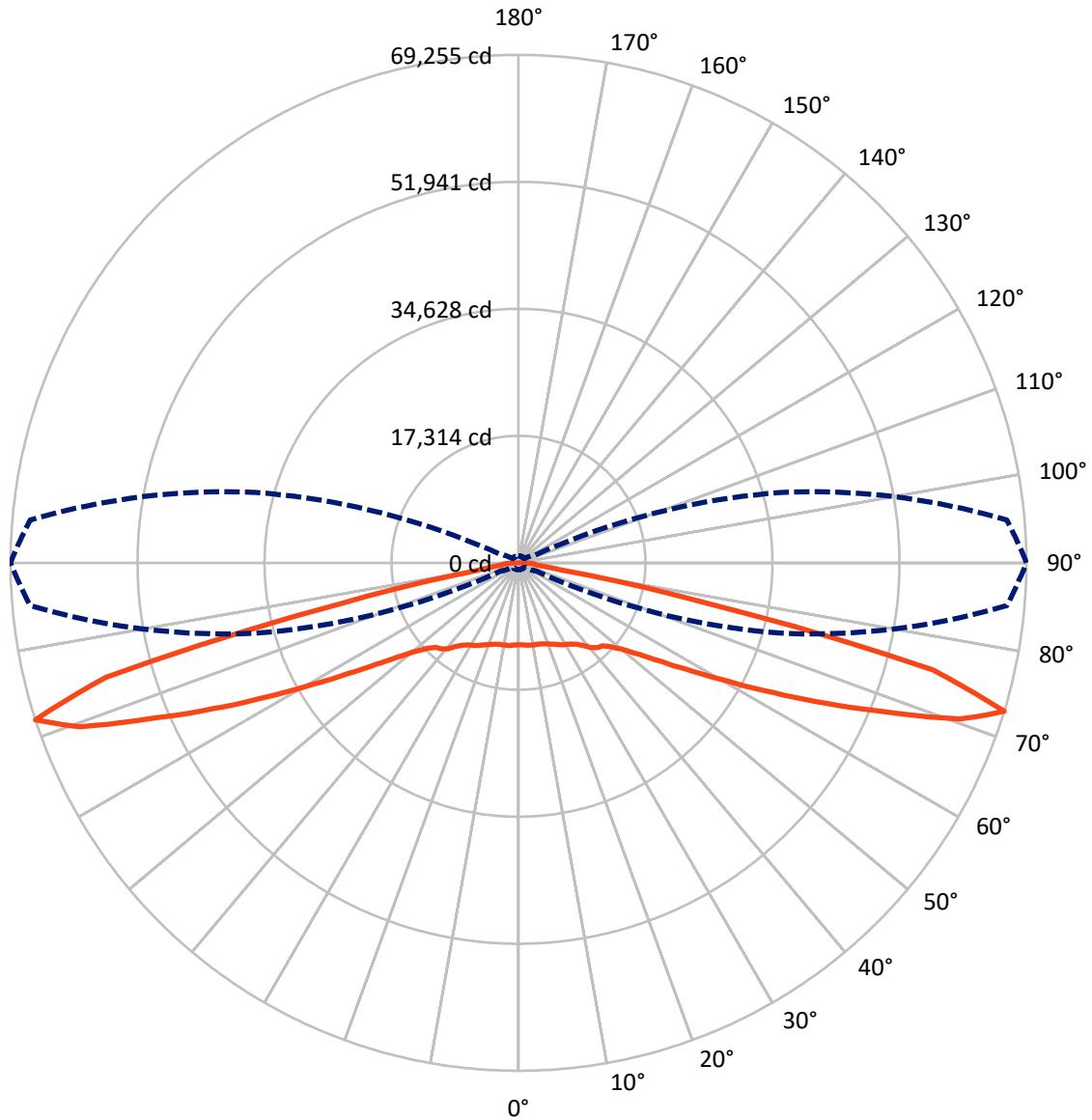
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.9 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
House Side	Lumens	29952.5	0.0	29952.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29952.5	0.0	29952.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	59905.0	0.0	59905.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1085.4	1.8
10°-20°	3318.7	5.5
20°-30°	5533.6	9.2
30°-40°	7610.4	12.7
40°-50°	9294.4	15.5
50°-60°	10749.9	17.9
60°-70°	12817.5	21.4
70°-80°	8945.8	14.9
80°-90°	549.5	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°	59905.0	100.0
0°-180°	59905.0	100.0

Coefficient of Utilization

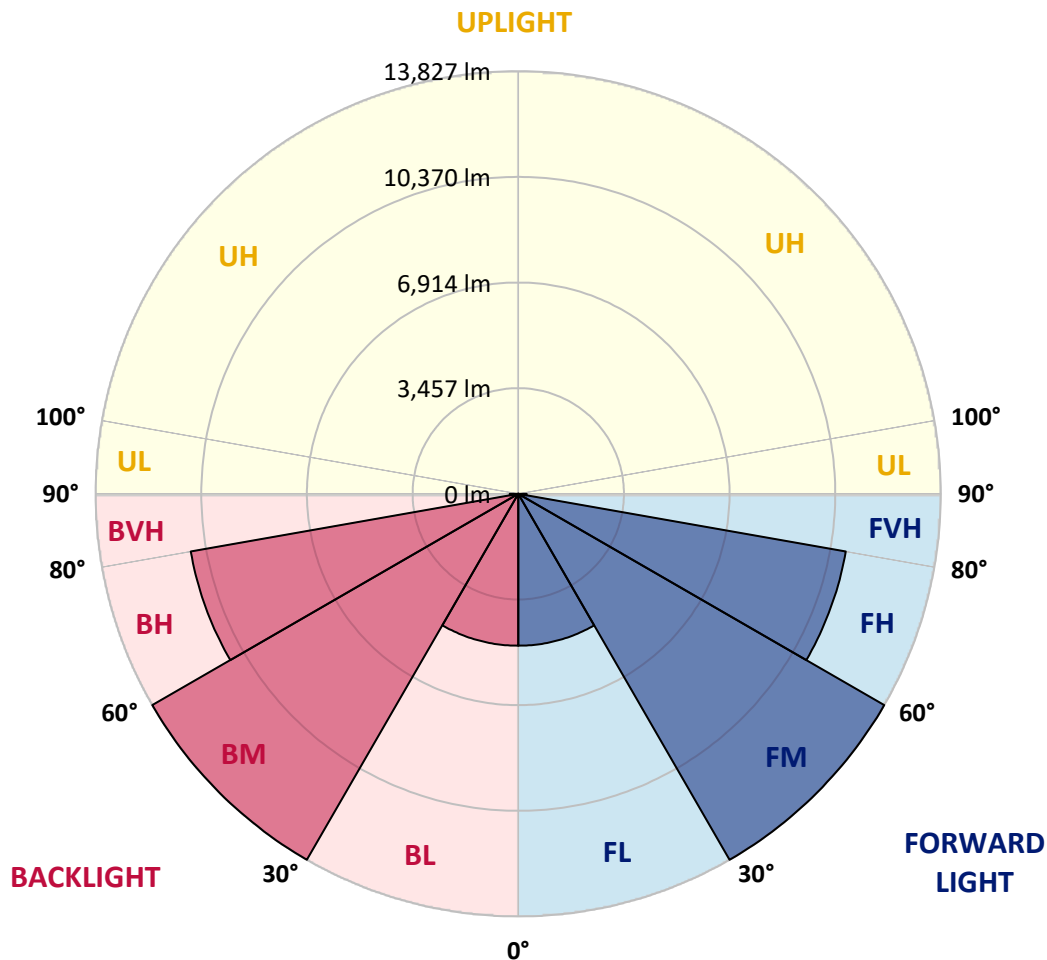


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4968.8	8.3			
FM (30°-60°)	13827.3	23.1			
FH (60°-80°)	10881.6	18.2			G4/12000
FVH (80°-90°)	274.7	0.5			G3/500
BL (0°-30°)	4968.8	8.3	B4/5000		
BM (30°-60°)	13827.3	23.1	B5		
BH (60°-80°)	10881.6	18.2	B5		G5
BVH (80°-90°)	274.7	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°	11193.9	11193.9	11193.9	11193.9	11193.9	11193.9	11193.9	11193.9	11193.9	11193.9
2.5°	11203.4	11216.2	11216.2	11206.6	11228.9	11209.8	11209.8	11200.2	11209.8	11200.2
5°	11260.7	11276.7	11283.0	11279.8	11308.5	11292.6	11292.6	11279.8	11283.0	11273.5
7.5°	11369.0	11391.3	11404.0	11419.9	11461.3	11442.2	11429.5	11391.3	11375.4	11349.9
10°	11404.0	11429.5	11470.9	11553.6	11649.2	11652.3	11614.1	11518.6	11445.4	11388.1
12.5°	11295.8	11330.8	11416.7	11585.5	11798.8	11884.7	11824.3	11665.1	11521.8	11419.9
15°	11158.9	11197.1	11327.6	11582.3	11897.5	12098.1	12091.7	11881.6	11652.3	11493.1
17.5°	10945.6	10983.8	11171.6	11528.2	11973.9	12305.0	12394.1	12177.6	11856.1	11642.8
20°	10560.3	10595.3	10856.4	11356.3	11999.4	12524.7	12757.1	12566.1	12164.9	11875.2
22.5°	10060.5	10114.6	10420.2	11060.2	11938.9	12753.9	13171.0	13040.4	12524.7	12123.5
25°	9525.6	9582.9	9939.5	10697.2	11782.9	12919.4	13661.2	13578.5	12932.2	12432.3
27.5°	9064.0	9124.5	9512.9	10337.5	11540.9	12983.1	14145.2	14186.6	13425.7	12773.0
30°	8701.0	8758.4	9172.2	10047.8	11228.9	12919.4	14568.6	14855.1	13928.7	13069.1
32.5°	8303.1	8376.3	8812.5	9694.4	10859.6	12766.6	14937.9	15577.8	14511.3	13387.4
35°	7800.1	7866.9	8325.4	9210.4	10375.7	12521.5	15246.7	16380.1	15345.4	13871.4
37.5°	7188.8	7252.5	7707.7	8605.5	9894.9	12177.6	15482.3	17284.3	16338.7	14568.6
40°	6574.3	6634.8	7061.4	7930.6	9318.7	11738.3	15565.1	18169.4	17478.5	15526.9
42.5°	6010.8	6064.9	6456.5	7265.2	8672.4	11178.0	15456.9	18939.8	18500.5	16195.5
45°	5491.9	5539.6	5886.7	6641.2	8000.6	10496.7	15132.1	19767.6	19716.6	16673.0
47.5°	4899.7	4947.5	5307.2	6036.3	7328.9	9697.5	14581.3	20582.6	21407.2	17755.5
50°	4177.0	4218.4	4587.7	5339.1	6631.6	8847.5	13817.2	21222.5	23540.3	19395.1
52.5°	3320.6	3365.2	3724.9	4476.3	5803.9	7933.8	12811.2	21639.6	26004.4	21789.2
55°	2470.5	2502.4	2814.4	3489.3	4778.7	6892.7	11550.5	21757.4	28799.7	25062.1
57.5°	1792.4	1811.5	2012.1	2515.1	3623.0	5590.6	10019.1	21451.8	32126.7	29258.2
60°	1451.8	1458.1	1518.6	1741.5	2518.3	4119.7	8169.4	20401.1	35737.0	34667.3
62.5°	1318.1	1318.1	1334.0	1394.5	1703.3	2718.9	5931.2	18223.5	39608.4	41502.7
65°	1225.7	1225.7	1232.1	1260.7	1343.5	1731.9	3744.0	14676.8	42871.7	49509.7
67.5°	1142.9	1146.1	1142.9	1152.5	1200.3	1279.8	2171.3	10136.9	44629.1	57806.4
70°	1057.0	1063.4	1047.4	1047.4	1085.6	1088.8	1359.4	5558.7	43170.9	64759.6
72.5°	955.1	964.7	939.2	932.8	961.5	948.7	1022.0	2667.9	37064.6	66835.4
75°	866.0	878.7	821.4	805.5	805.5	795.9	830.9	1369.0	24056.0	54520.8
77.5°	786.4	811.8	719.5	668.6	655.8	627.2	678.1	837.3	10522.1	25596.9
80°	649.5	684.5	592.2	531.7	509.4	477.6	534.9	585.8	3129.6	5944.0
82.5°	483.9	499.8	420.2	378.9	359.8	337.5	401.1	407.5	1018.8	2104.4
85°	308.8	315.2	257.9	222.9	213.3	203.8	254.7	222.9	388.4	1547.3
87.5°	108.2	124.2	98.7	89.1	95.5	79.6	117.8	66.9	108.2	1092.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

11193.9
11200.2
11273.5
11349.9
11378.5
11404.0
11467.7
11607.8
11821.1
12050.3
12330.5
12664.8
12913.1
13190.1
13651.7
14275.7
15214.9
15794.3
16131.8
17131.5
18611.9
20824.6
23855.4
27739.6
32753.9
38939.8
46268.7
54307.5
63839.5
69255.0
58315.8
25065.3
5692.5
2378.2
2247.7
1353.1
0.0

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