

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: P849454

Luminaire Tested: **GLAN-SB6C-730-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849454
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-SB6C-730-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43398 lumens
Efficiency: N/A
Efficacy: 144.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

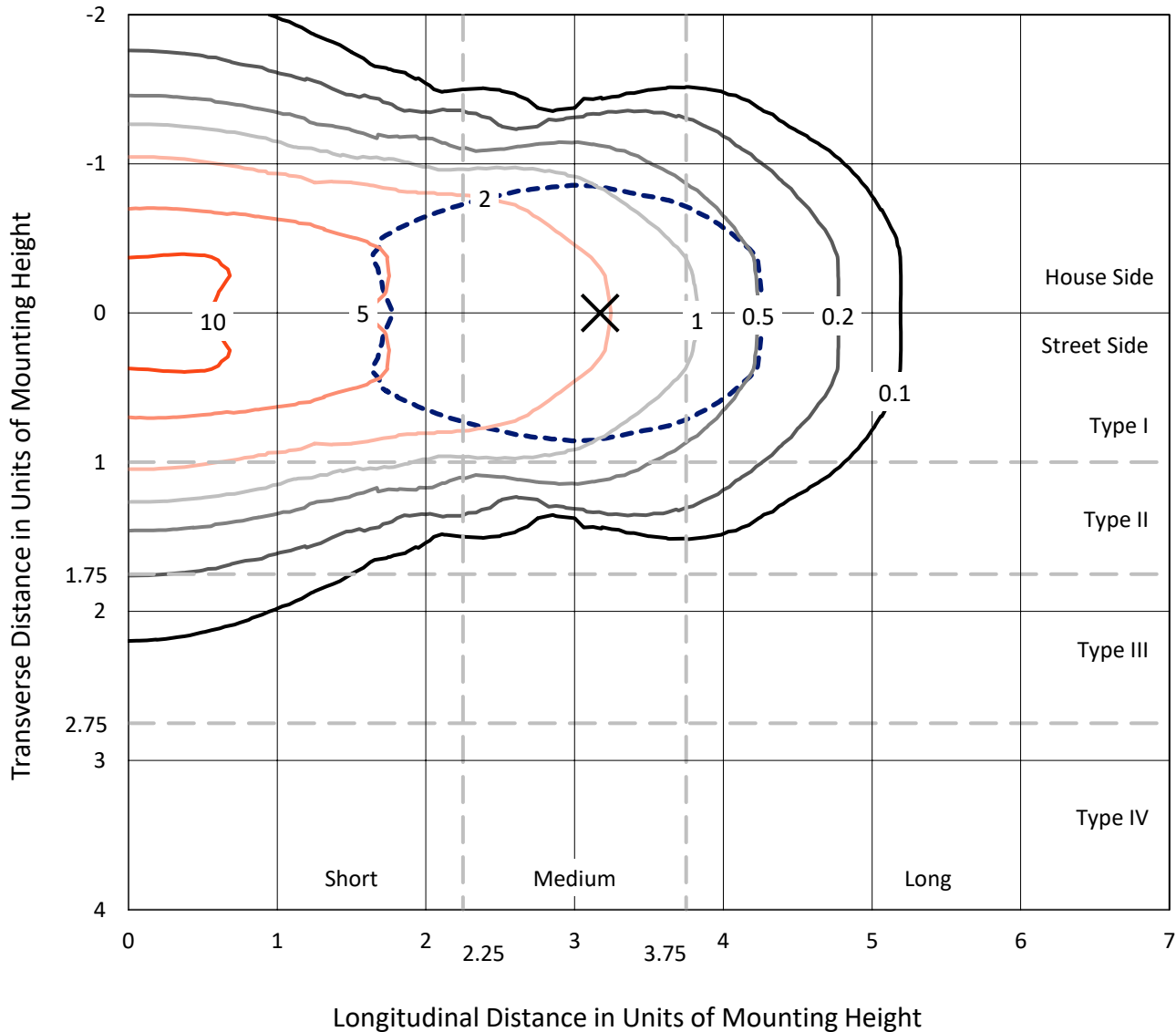
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

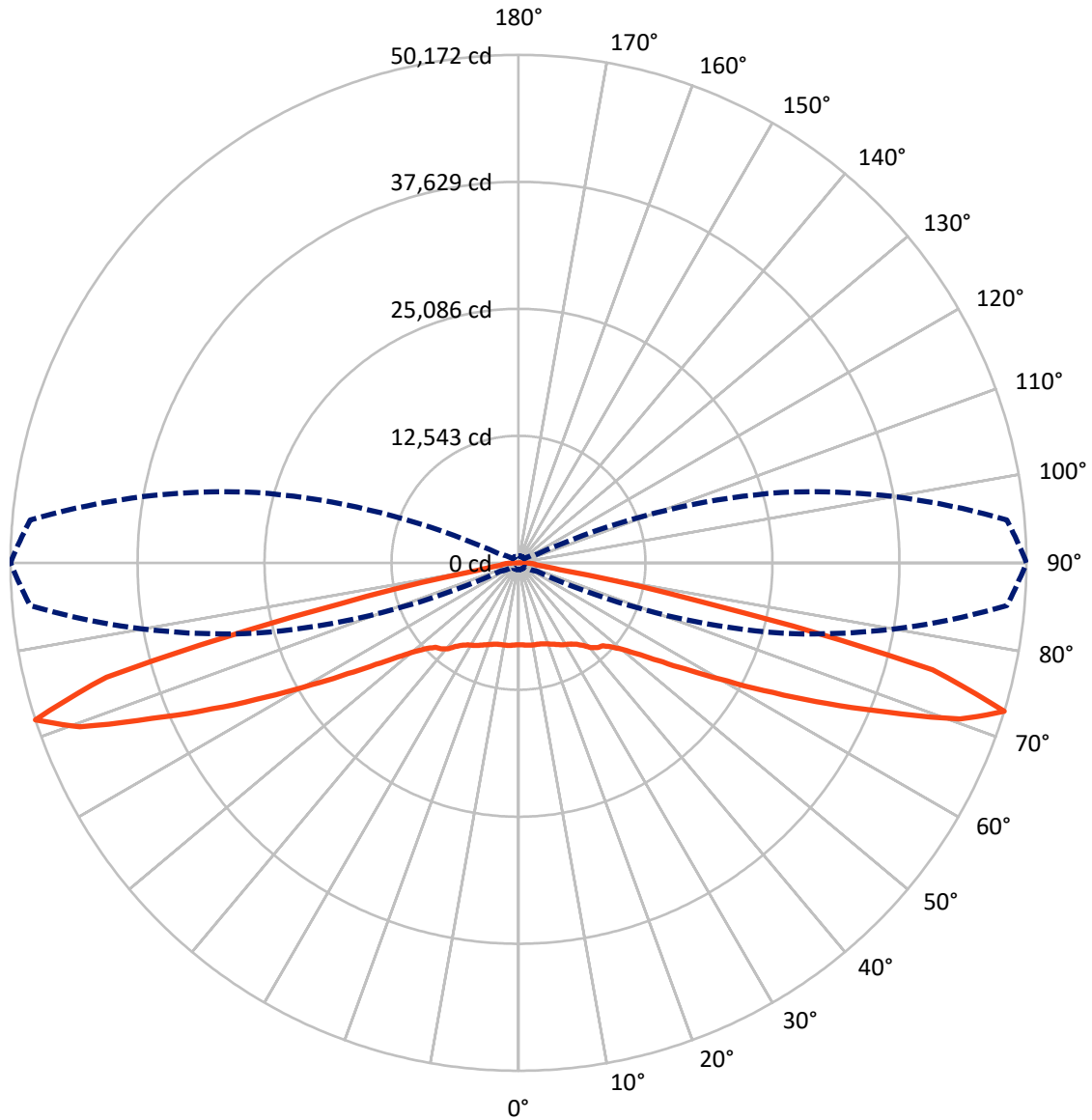
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13 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	21699.0	0.0	21699.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21699.0	0.0	21699.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	43398.0	0.0	43398.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	786.3	1.8
10°-20°	2404.2	5.5
20°-30°	4008.8	9.2
30°-40°	5513.3	12.7
40°-50°	6733.3	15.5
50°-60°	7787.7	17.9
60°-70°	9285.6	21.4
70°-80°	6480.7	14.9
80°-90°	398.0	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°	43398.0	100.0
0°-180°	43398.0	100.0

Coefficient of Utilization

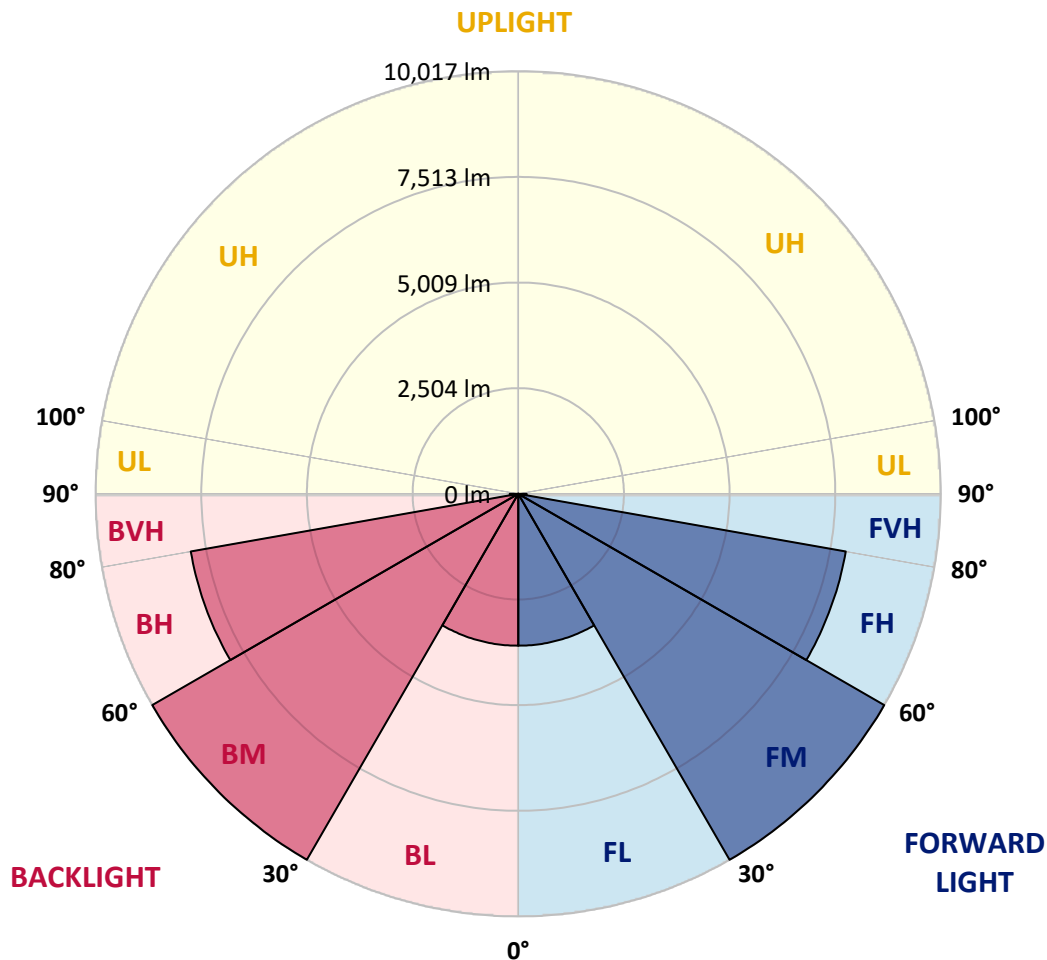


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3599.6	8.3			
FM (30°-60°)	10017.2	23.1			
FH (60°-80°)	7883.2	18.2			G4/12000
FVH (80°-90°)	199.0	0.5			G2/225
BL (0°-30°)	3599.6	8.3	B4/5000		
BM (30°-60°)	10017.2	23.1	B5		
BH (60°-80°)	7883.2	18.2	B5		G5
BVH (80°-90°)	199.0	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°	8109.4	8109.4	8109.4	8109.4	8109.4	8109.4	8109.4	8109.4	8109.4	8109.4
2.5°	8116.3	8125.5	8125.5	8118.6	8134.7	8120.9	8120.9	8114.0	8120.9	8114.0
5°	8157.8	8169.3	8174.0	8171.6	8192.4	8180.9	8180.9	8171.6	8174.0	8167.0
7.5°	8236.2	8252.4	8261.6	8273.1	8303.1	8289.3	8280.0	8252.4	8240.8	8222.4
10°	8261.6	8280.0	8310.0	8370.0	8439.2	8441.5	8413.8	8344.6	8291.6	8250.1
12.5°	8183.2	8208.6	8270.8	8393.1	8547.6	8609.9	8566.0	8450.7	8346.9	8273.1
15°	8084.0	8111.7	8206.2	8390.8	8619.1	8764.4	8759.8	8607.6	8441.5	8326.2
17.5°	7929.5	7957.2	8093.2	8351.5	8674.4	8914.3	8978.9	8822.1	8589.1	8434.6
20°	7650.4	7675.8	7864.9	8227.0	8692.9	9073.5	9241.8	9103.4	8812.8	8602.9
22.5°	7288.3	7327.5	7548.9	8012.5	8649.1	9239.5	9541.7	9447.1	9073.5	8782.8
25°	6900.8	6942.3	7200.6	7749.6	8536.1	9359.5	9896.9	9836.9	9368.7	9006.6
27.5°	6566.4	6610.2	6891.6	7488.9	8360.8	9405.6	10247.4	10277.4	9726.2	9253.4
30°	6303.4	6345.0	6644.8	7279.1	8134.7	9359.5	10554.2	10761.8	10090.6	9467.9
32.5°	6015.1	6068.2	6384.2	7023.1	7867.2	9248.7	10821.7	11285.3	10512.7	9698.5
35°	5650.7	5699.2	6031.3	6672.5	7516.6	9071.2	11045.4	11866.5	11116.9	10049.1
37.5°	5207.9	5254.0	5583.8	6234.3	7168.4	8822.1	11216.1	12521.6	11836.5	10554.2
40°	4762.8	4806.6	5115.6	5745.3	6750.9	8503.8	11276.1	13162.7	12662.2	11248.4
42.5°	4354.5	4393.7	4677.4	5263.3	6282.7	8097.8	11197.7	13720.9	13402.6	11732.8
45°	3978.6	4013.2	4264.6	4811.2	5796.0	7604.3	10962.4	14320.6	14283.7	12078.7
47.5°	3549.6	3584.2	3844.8	4373.0	5309.4	7025.4	10563.4	14911.0	15508.4	12862.9
50°	3026.0	3056.0	3323.6	3867.9	4804.3	6409.5	10009.9	15374.6	17053.7	14050.7
52.5°	2405.6	2437.9	2698.5	3242.8	4204.6	5747.6	9281.0	15676.7	18838.8	15785.1
55°	1789.8	1812.8	2038.9	2527.8	3461.9	4993.4	8367.7	15762.1	20863.9	18156.1
57.5°	1298.5	1312.4	1457.7	1822.1	2624.7	4050.1	7258.3	15540.7	23274.1	21196.0
60°	1051.7	1056.3	1100.2	1261.6	1824.4	2984.5	5918.3	14779.5	25889.6	25114.6
62.5°	954.9	954.9	966.4	1010.2	1233.9	1969.7	4296.9	13202.0	28694.2	30066.5
65°	888.0	888.0	892.6	913.3	973.3	1254.7	2712.4	10632.6	31058.3	35867.1
67.5°	828.0	830.3	828.0	834.9	869.5	927.2	1573.0	7343.6	32331.4	41877.7
70°	765.7	770.3	758.8	758.8	786.5	788.8	984.8	4027.0	31275.1	46914.9
72.5°	691.9	698.8	680.4	675.8	696.5	687.3	740.4	1932.8	26851.3	48418.7
75°	627.3	636.6	595.1	583.5	583.5	576.6	602.0	991.8	17427.3	39497.5
77.5°	569.7	588.1	521.3	484.3	475.1	454.4	491.3	606.6	7622.7	18543.6
80°	470.5	495.9	429.0	385.2	369.0	346.0	387.5	424.4	2267.2	4306.1
82.5°	350.6	362.1	304.4	274.5	260.6	244.5	290.6	295.2	738.1	1524.5
85°	223.7	228.3	186.8	161.4	154.5	147.6	184.5	161.4	281.4	1120.9
87.5°	78.4	90.0	71.5	64.6	69.2	57.7	85.3	48.4	78.4	791.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

8109.4
8114.0
8167.0
8222.4
8243.1
8261.6
8307.7
8409.2
8563.7
8729.8
8932.8
9174.9
9354.8
9555.5
9889.9
10342.0
11022.4
11442.2
11686.6
12410.8
13483.3
15086.3
17282.0
20095.8
23728.5
28209.8
33519.2
39342.9
46248.3
50171.6
42246.7
18158.4
4123.9
1722.9
1628.3
980.2
0.0

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