

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: P849284

Luminaire Tested: **GLAN-SB6B-730-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849284
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-730-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32631 lumens
Efficiency: N/A
Efficacy: 148.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

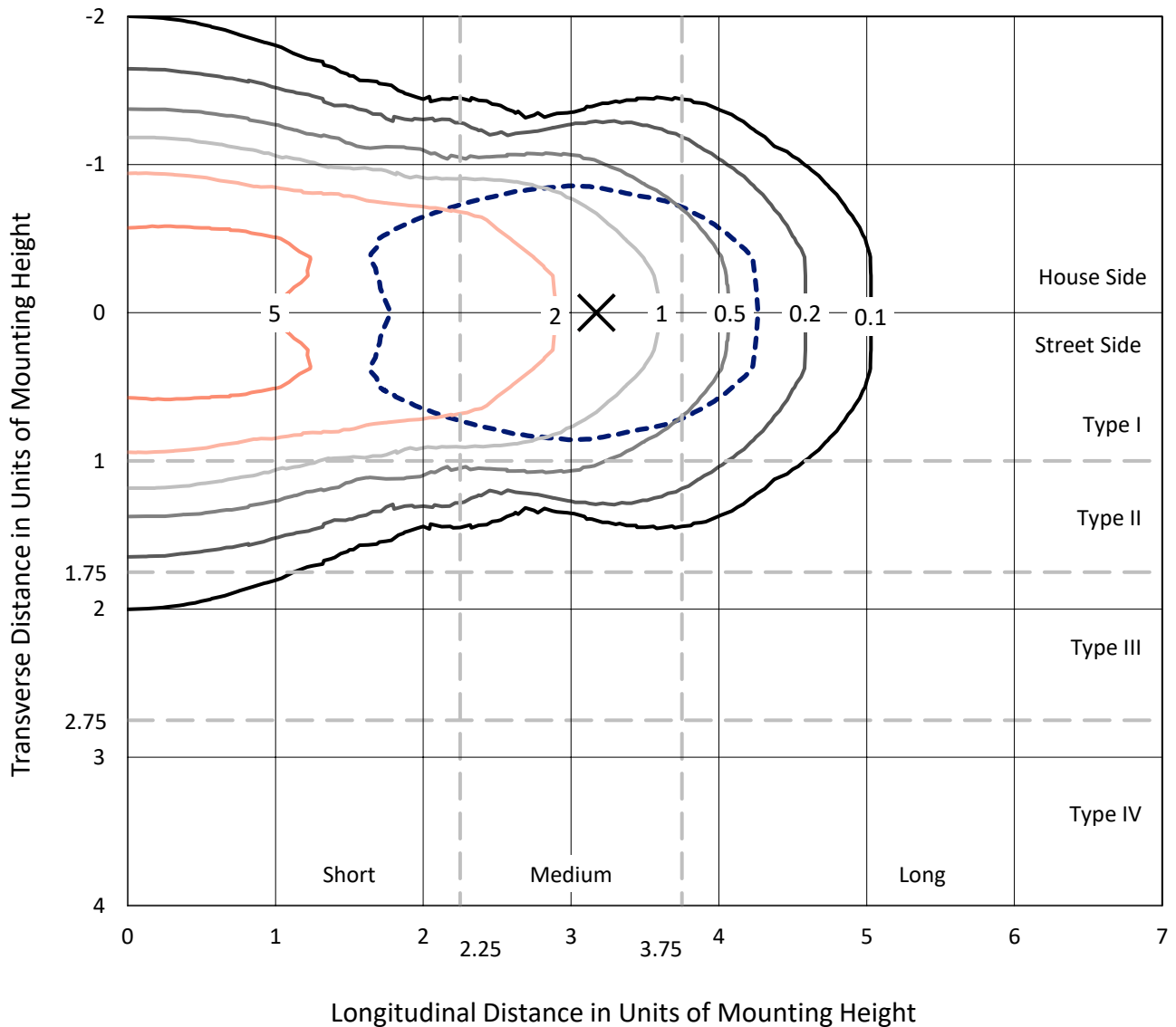
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

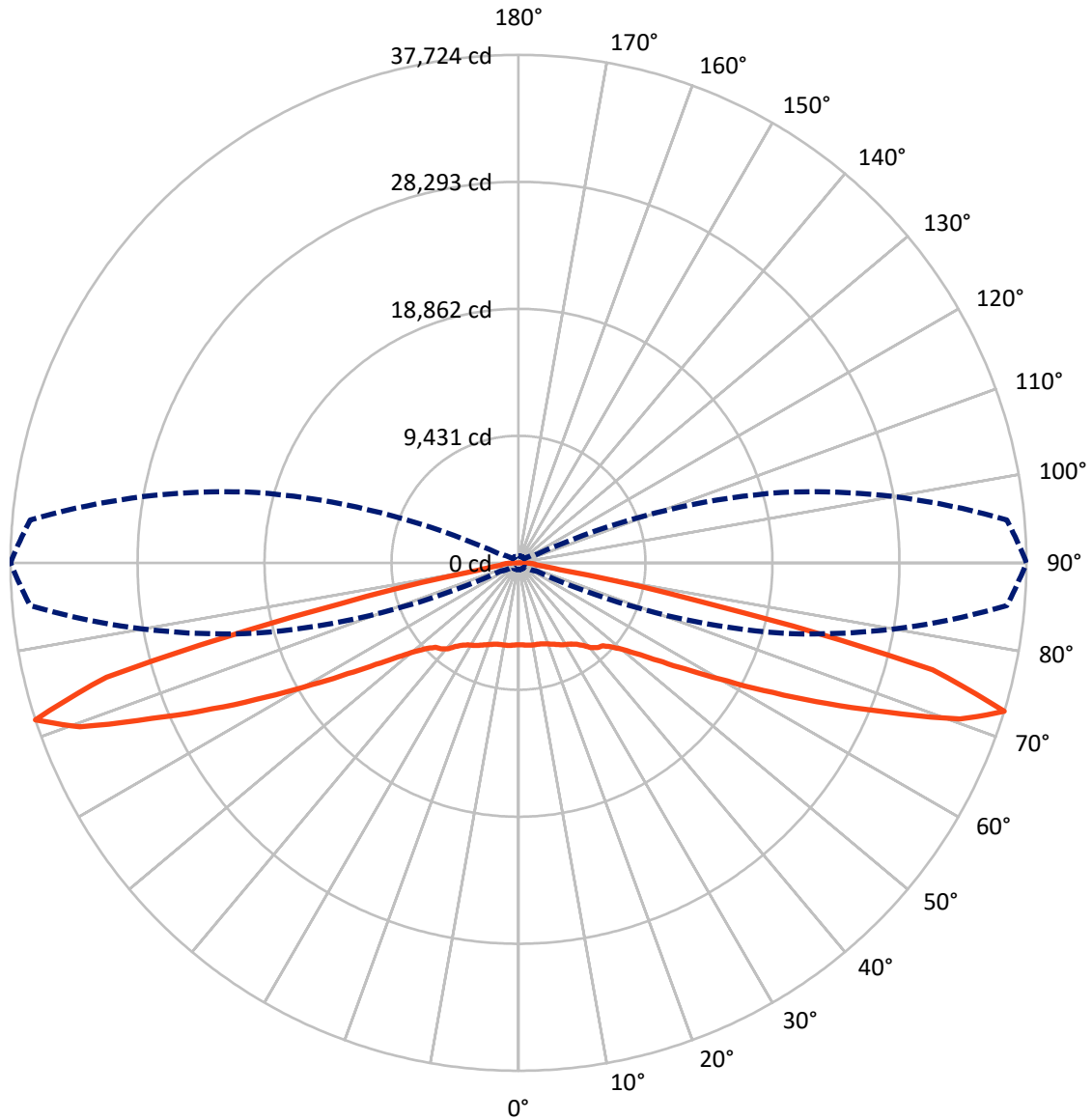
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 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	16315.5	0.0	16315.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16315.5	0.0	16315.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	32631.0	0.0	32631.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	591.2	1.8
10°-20°	1807.7	5.5
20°-30°	3014.2	9.2
30°-40°	4145.5	12.7
40°-50°	5062.7	15.5
50°-60°	5855.6	17.9
60°-70°	6981.9	21.4
70°-80°	4872.9	14.9
80°-90°	299.3	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°	32631.0	100.0
0°-180°	32631.0	100.0

Coefficient of Utilization



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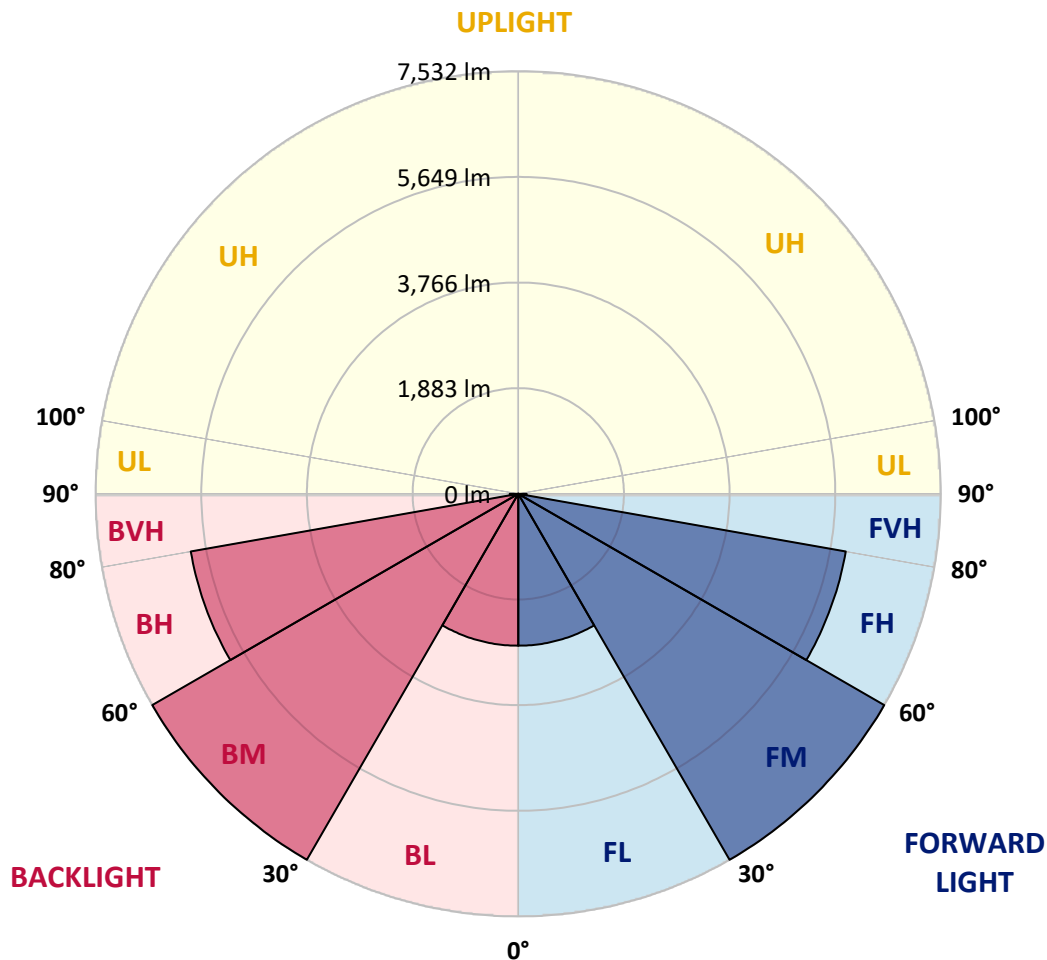
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2706.6	8.3			
FM (30°-60°)	7531.9	23.1			
FH (60°-80°)	5927.4	18.2			G3/7500
FVH (80°-90°)	149.6	0.5			G2/225
BL (0°-30°)	2706.6	8.3	B4/5000		
BM (30°-60°)	7531.9	23.1	B4/8500		
BH (60°-80°)	5927.4	18.2	B5		G5
BVH (80°-90°)	149.6	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°	6097.4	6097.4	6097.4	6097.4	6097.4	6097.4	6097.4	6097.4	6097.4	6097.4
2.5°	6102.6	6109.6	6109.6	6104.4	6116.5	6106.1	6106.1	6100.9	6106.1	6100.9
5°	6133.9	6142.5	6146.0	6144.3	6159.9	6151.2	6151.2	6144.3	6146.0	6140.8
7.5°	6192.8	6205.0	6211.9	6220.6	6243.1	6232.7	6225.8	6205.0	6196.3	6182.4
10°	6211.9	6225.8	6248.3	6293.4	6345.4	6347.2	6326.4	6274.3	6234.4	6203.2
12.5°	6152.9	6172.0	6218.8	6310.8	6426.9	6473.8	6440.8	6354.1	6276.1	6220.6
15°	6078.4	6099.2	6170.3	6309.0	6480.7	6590.0	6586.5	6472.0	6347.2	6260.5
17.5°	5962.2	5983.0	6085.3	6279.5	6522.3	6702.7	6751.2	6633.3	6458.2	6342.0
20°	5752.3	5771.4	5913.6	6185.9	6536.2	6822.3	6948.9	6844.9	6626.4	6468.6
22.5°	5480.1	5509.6	5676.0	6024.6	6503.2	6947.2	7174.4	7103.3	6822.3	6603.8
25°	5188.7	5219.9	5414.2	5826.9	6418.3	7037.4	7441.5	7396.4	7044.3	6772.1
27.5°	4937.3	4970.2	5181.8	5630.9	6286.5	7072.1	7705.1	7727.6	7313.1	6957.6
30°	4739.6	4770.8	4996.2	5473.1	6116.5	7037.4	7935.7	8091.8	7587.1	7118.9
32.5°	4522.8	4562.7	4800.3	5280.6	5915.4	6954.1	8136.9	8485.4	7904.5	7292.3
35°	4248.8	4285.2	4534.9	5017.0	5651.8	6820.6	8305.1	8922.5	8358.8	7555.9
37.5°	3915.8	3950.5	4198.5	4687.5	5389.9	6633.3	8433.4	9415.0	8899.9	7935.7
40°	3581.1	3614.1	3846.5	4319.9	5076.0	6394.0	8478.5	9897.1	9520.8	8457.7
42.5°	3274.2	3303.7	3517.0	3957.4	4724.0	6088.8	8419.5	10316.8	10077.4	8821.9
45°	2991.5	3017.5	3206.5	3617.5	4358.0	5717.7	8242.7	10767.6	10739.9	9082.0
47.5°	2668.9	2694.9	2890.9	3288.0	3992.1	5282.4	7942.6	11211.6	11660.8	9671.6
50°	2275.3	2297.8	2499.0	2908.3	3612.3	4819.3	7526.4	11560.2	12822.7	10564.7
52.5°	1808.8	1833.0	2029.0	2438.3	3161.4	4321.6	6978.4	11787.4	14164.9	11868.9
55°	1345.7	1363.1	1533.0	1900.7	2603.0	3754.5	6291.7	11851.5	15687.6	13651.6
57.5°	976.4	986.8	1096.0	1370.0	1973.5	3045.3	5457.5	11685.0	17499.8	15937.3
60°	790.8	794.3	827.2	948.6	1371.8	2244.1	4450.0	11112.8	19466.4	18883.7
62.5°	718.0	718.0	726.6	759.6	927.8	1481.0	3230.8	9926.6	21575.2	22607.0
65°	667.7	667.7	671.1	686.7	731.8	943.4	2039.4	7994.7	23352.7	26968.5
67.5°	622.6	624.3	622.6	627.8	653.8	697.1	1182.7	5521.7	24310.0	31487.9
70°	575.8	579.2	570.6	570.6	591.4	593.1	740.5	3027.9	23515.8	35275.4
72.5°	520.3	525.5	511.6	508.1	523.7	516.8	556.7	1453.3	20189.6	36406.1
75°	471.7	478.6	447.4	438.8	438.8	433.5	452.6	745.7	13103.6	29698.2
77.5°	428.3	442.2	391.9	364.2	357.2	341.6	369.4	456.1	5731.5	13943.0
80°	353.8	372.9	322.6	289.6	277.5	260.1	291.3	319.1	1704.7	3237.8
82.5°	263.6	272.3	228.9	206.4	196.0	183.8	218.5	222.0	554.9	1146.3
85°	168.2	171.7	140.5	121.4	116.2	111.0	138.7	121.4	211.6	842.8
87.5°	59.0	67.6	53.8	48.6	52.0	43.4	64.2	36.4	59.0	594.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6097.4
6100.9
6140.8
6182.4
6198.0
6211.9
6246.6
6322.9
6439.1
6563.9
6716.6
6898.6
7033.9
7184.8
7436.2
7776.2
8287.7
8603.4
8787.2
9331.7
10138.1
11343.4
12994.4
15110.1
17841.4
21211.0
25203.1
29582.0
34774.2
37724.1
31765.3
13653.4
3100.7
1295.4
1224.3
737.0
0.0

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