

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: P849794

Luminaire Tested: **GLAN-SB7A-730-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849794
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-SB7A-730-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30485 lumens
Efficiency: N/A
Efficacy: 153.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

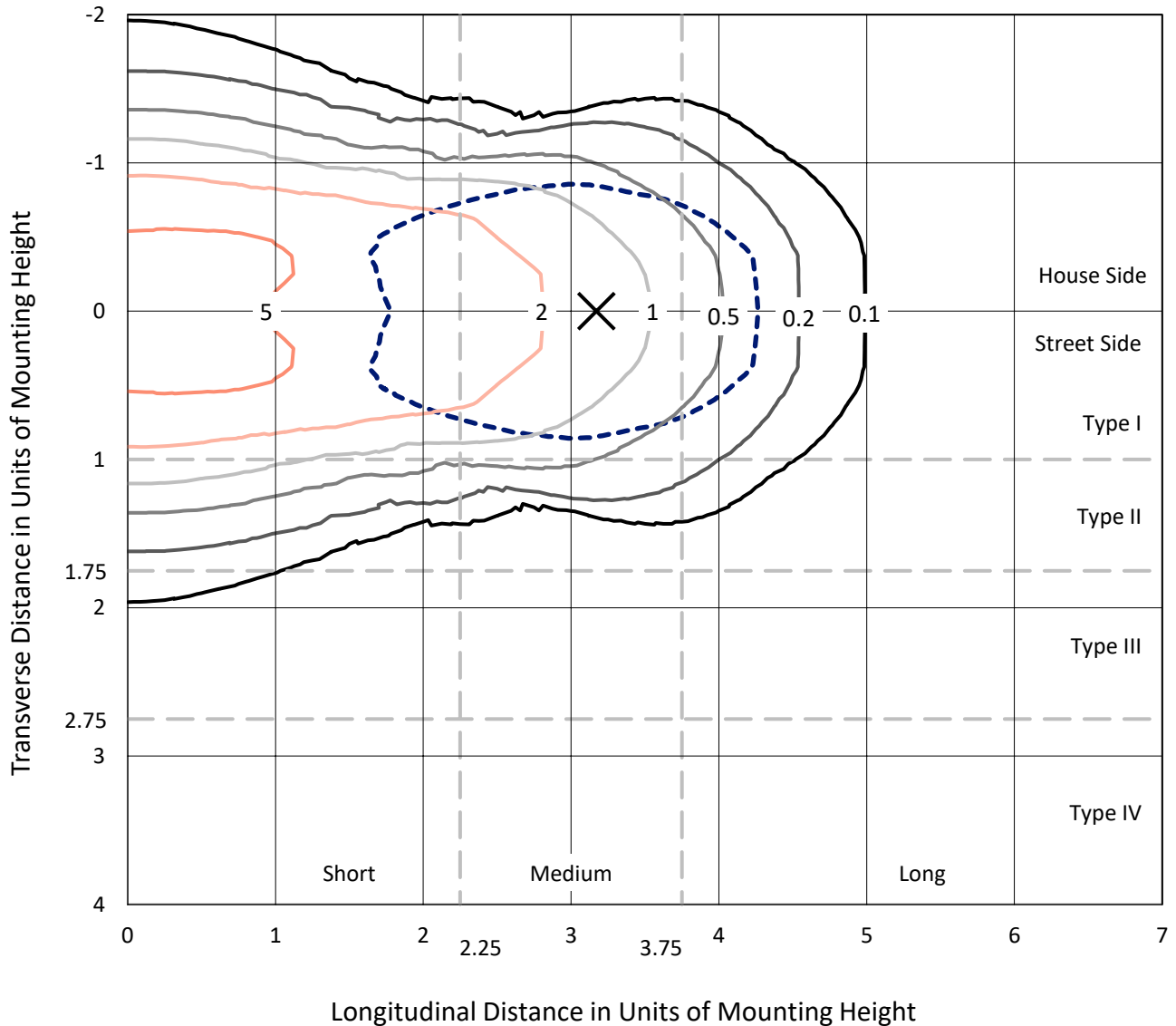
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

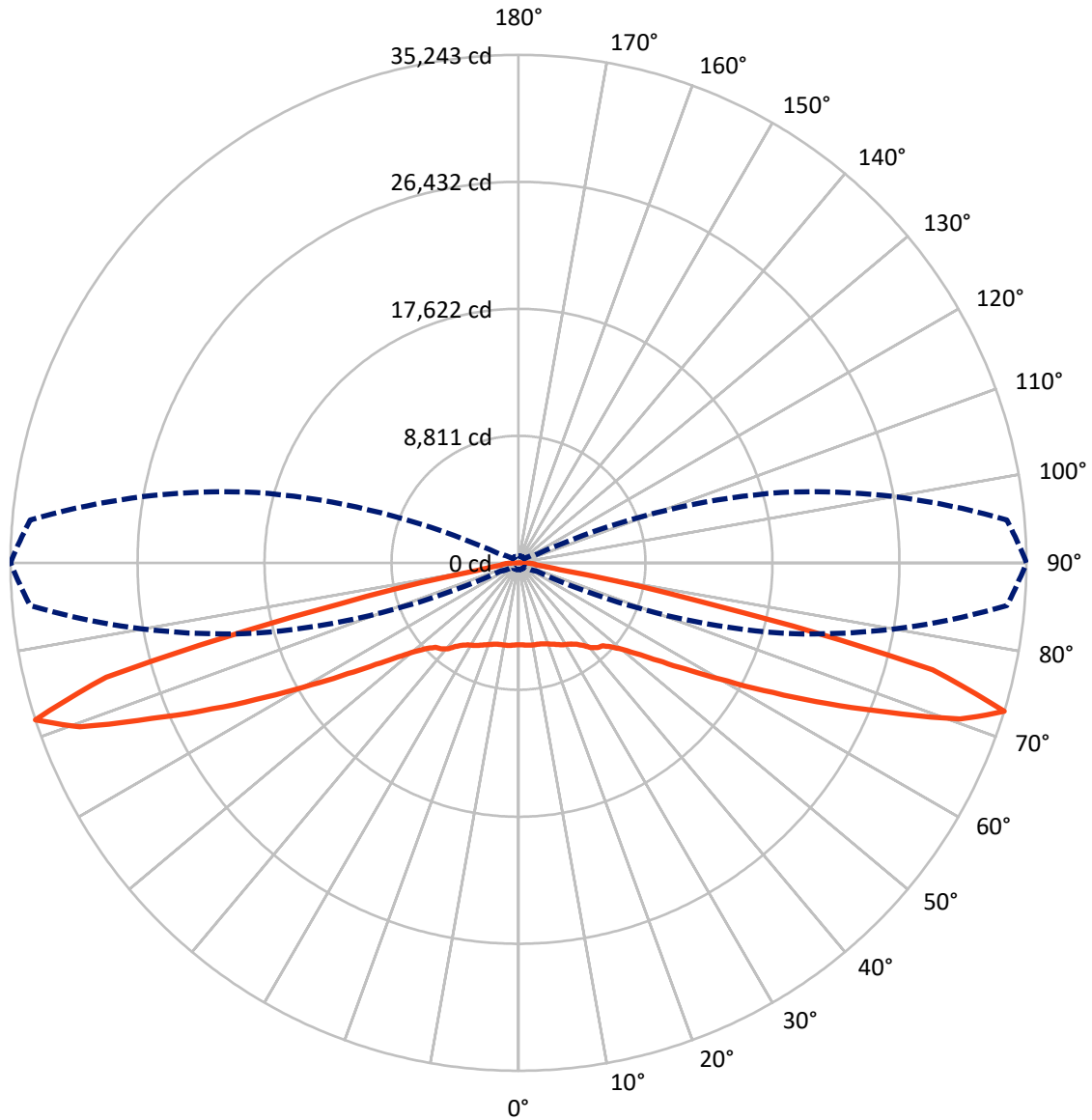
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 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	15242.5	0.0	15242.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15242.5	0.0	15242.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	30485.0	0.0	30485.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	552.3	1.8
10°-20°	1688.8	5.5
20°-30°	2816.0	9.2
30°-40°	3872.8	12.7
40°-50°	4729.8	15.5
50°-60°	5470.5	17.9
60°-70°	6522.7	21.4
70°-80°	4552.4	14.9
80°-90°	279.6	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°	30485.0	100.0
0°-180°	30485.0	100.0

Coefficient of Utilization



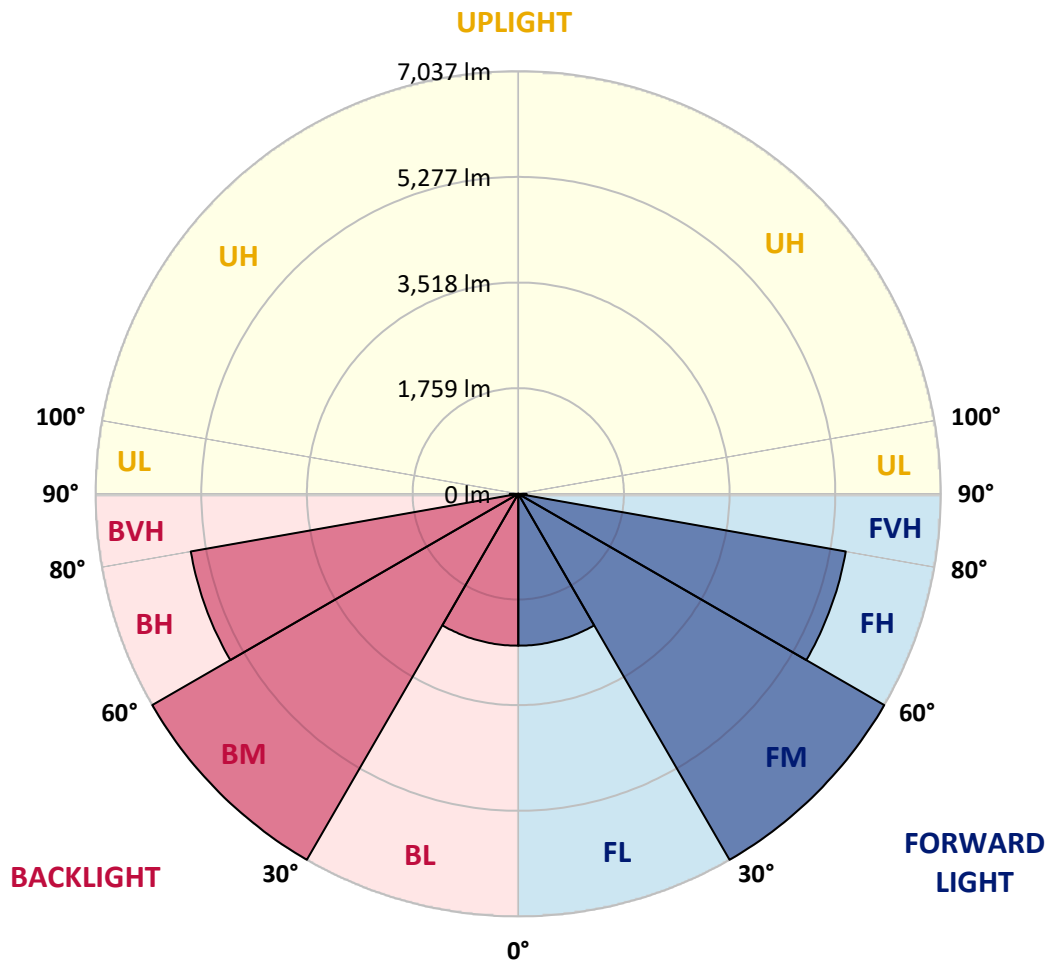
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2528.6	8.3			
FM (30°-60°)	7036.6	23.1			
FH (60°-80°)	5537.5	18.2			G3/7500
FVH (80°-90°)	139.8	0.5			G2/225
BL (0°-30°)	2528.6	8.3	B4/5000		
BM (30°-60°)	7036.6	23.1	B4/8500		
BH (60°-80°)	5537.5	18.2	B5		G5
BVH (80°-90°)	139.8	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°	5696.4	5696.4	5696.4	5696.4	5696.4	5696.4	5696.4	5696.4	5696.4	5696.4
2.5°	5701.3	5707.8	5707.8	5702.9	5714.3	5704.5	5704.5	5699.7	5704.5	5699.7
5°	5730.5	5738.6	5741.8	5740.2	5754.8	5746.7	5746.7	5740.2	5741.8	5736.9
7.5°	5785.6	5796.9	5803.4	5811.5	5832.5	5822.8	5816.3	5796.9	5788.8	5775.8
10°	5803.4	5816.3	5837.4	5879.5	5928.1	5929.7	5910.3	5861.7	5824.4	5795.3
12.5°	5748.3	5766.1	5809.9	5895.7	6004.3	6048.0	6017.2	5936.2	5863.3	5811.5
15°	5678.6	5698.1	5764.5	5894.1	6054.5	6156.6	6153.3	6046.4	5929.7	5848.7
17.5°	5570.1	5589.5	5685.1	5866.6	6093.4	6261.9	6307.2	6197.1	6033.4	5924.9
20°	5374.0	5391.9	5524.7	5779.1	6106.3	6373.7	6491.9	6394.7	6190.6	6043.2
22.5°	5119.7	5147.2	5302.7	5628.4	6075.6	6490.3	6702.6	6636.1	6373.7	6169.5
25°	4847.5	4876.6	5058.1	5443.7	5996.2	6574.6	6952.1	6909.9	6581.0	6326.7
27.5°	4612.6	4643.3	4841.0	5260.6	5873.0	6607.0	7198.3	7219.4	6832.2	6500.0
30°	4427.9	4457.0	4667.6	5113.2	5714.3	6574.6	7413.8	7559.6	7088.2	6650.7
32.5°	4225.3	4262.6	4484.6	4933.4	5526.3	6496.8	7601.7	7927.4	7384.6	6812.7
35°	3969.4	4003.4	4236.7	4687.1	5280.1	6372.0	7758.9	8335.7	7809.1	7059.0
37.5°	3658.3	3690.7	3922.4	4379.3	5035.4	6197.1	7878.8	8795.8	8314.6	7413.8
40°	3345.6	3376.4	3593.5	4035.8	4742.2	5973.5	7920.9	9246.2	8894.6	7901.5
42.5°	3058.8	3086.4	3285.7	3697.2	4413.3	5688.3	7865.8	9638.3	9414.7	8241.7
45°	2794.8	2819.1	2995.7	3379.6	4071.4	5341.6	7700.6	10059.5	10033.6	8484.7
47.5°	2493.4	2517.7	2700.8	3071.8	3729.6	4935.0	7420.3	10474.3	10893.9	9035.6
50°	2125.6	2146.7	2334.6	2717.0	3374.8	4502.4	7031.4	10799.9	11979.4	9869.9
52.5°	1689.8	1712.5	1895.6	2277.9	2953.5	4037.4	6519.5	11012.2	13233.4	11088.3
55°	1257.2	1273.4	1432.2	1775.7	2431.8	3507.6	5877.9	11072.1	14655.9	12753.8
57.5°	912.1	921.9	1023.9	1279.9	1843.7	2845.0	5098.6	10916.6	16348.9	14889.2
60°	738.8	742.0	772.8	886.2	1281.5	2096.5	4157.3	10381.9	18186.2	17641.8
62.5°	670.7	670.7	678.8	709.6	866.8	1383.6	3018.3	9273.7	20156.3	21120.3
65°	623.8	623.8	627.0	641.6	683.7	881.4	1905.3	7468.9	21816.9	25194.9
67.5°	581.6	583.3	581.6	586.5	610.8	651.3	1104.9	5158.6	22711.2	29417.0
70°	537.9	541.1	533.0	533.0	552.5	554.1	691.8	2828.8	21969.2	32955.5
72.5°	486.0	490.9	477.9	474.7	489.3	482.8	520.1	1357.7	18861.8	34011.8
75°	440.7	447.2	418.0	409.9	409.9	405.0	422.9	696.7	12241.8	27745.1
77.5°	400.2	413.1	366.2	340.2	333.8	319.2	345.1	426.1	5354.6	13026.0
80°	330.5	348.3	301.3	270.6	259.2	243.0	272.2	298.1	1592.6	3024.8
82.5°	246.3	254.4	213.9	192.8	183.1	171.7	204.1	207.4	518.4	1070.9
85°	157.2	160.4	131.2	113.4	108.5	103.7	129.6	113.4	197.7	787.4
87.5°	55.1	63.2	50.2	45.4	48.6	40.5	59.9	34.0	55.1	555.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5696.4
5699.7
5736.9
5775.8
5790.4
5803.4
5835.8
5907.1
6015.6
6132.3
6274.8
6445.0
6571.3
6712.3
6947.2
7264.7
7742.7
8037.6
8209.3
8718.0
9471.4
10597.4
12139.8
14116.4
16668.1
19816.0
23545.6
27636.5
32487.2
35243.1
29676.3
12755.4
2896.8
1210.3
1143.8
688.6
0.0

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