

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: P850754

Luminaire Tested: **GLAN-SB8B-930-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850754
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-SB8B-930-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30389 lumens
Efficiency: N/A
Efficacy: 103.8 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

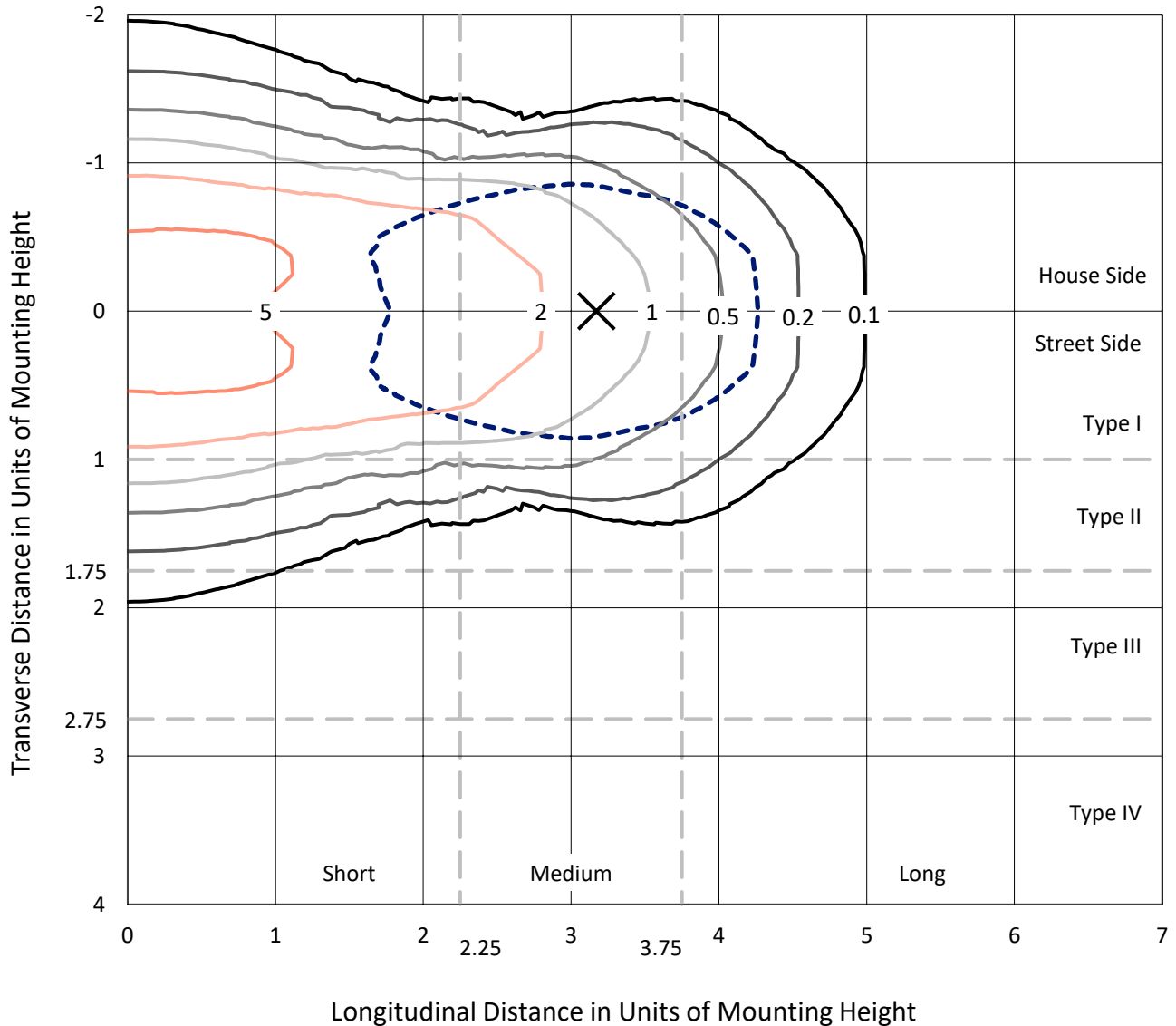
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

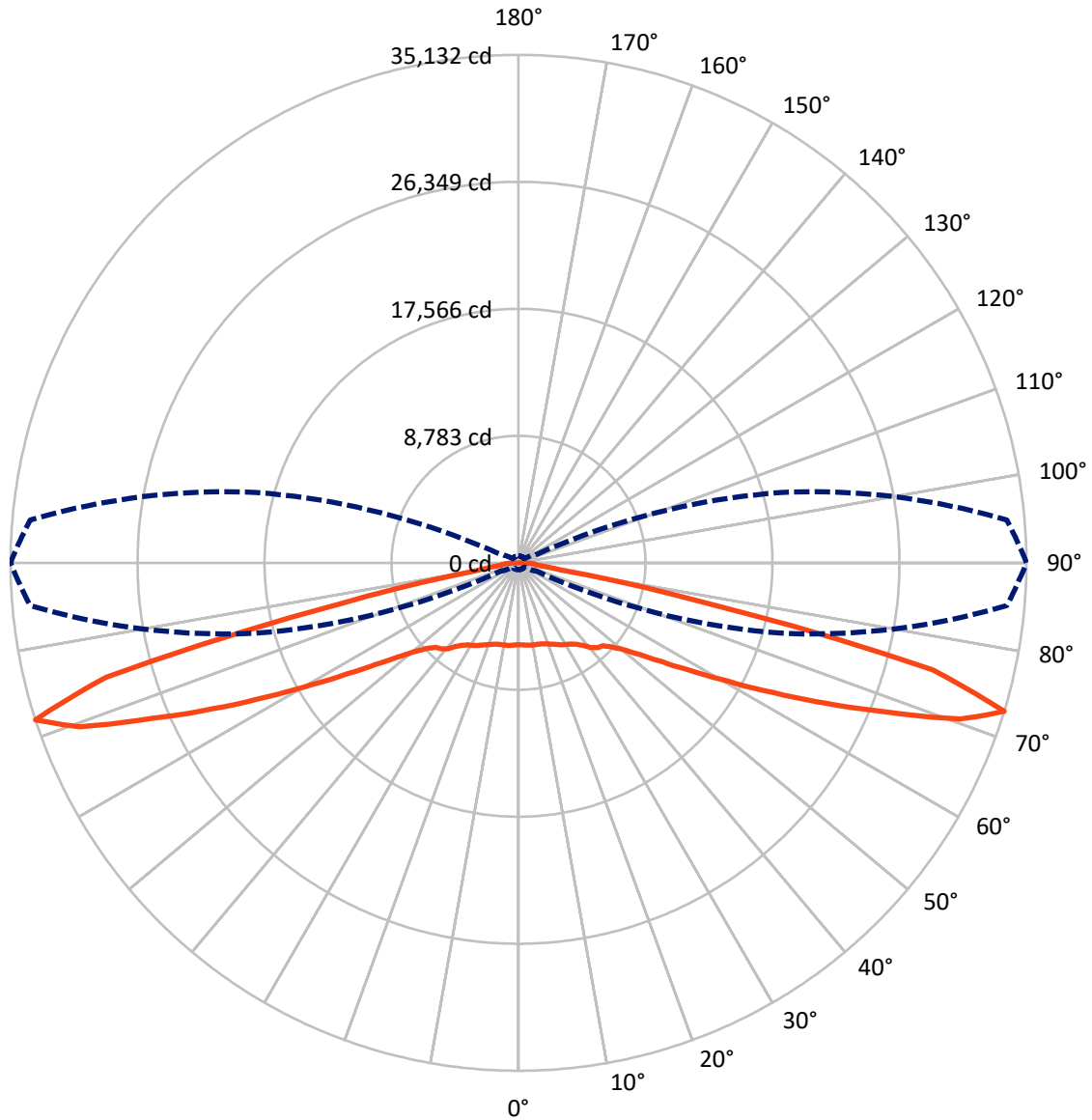
× Max cd
 - - - 1/2 Max cd



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	15194.5	0.0	15194.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15194.5	0.0	15194.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	30389.0	0.0	30389.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	550.6	1.8
10°-20°	1683.5	5.5
20°-30°	2807.1	9.2
30°-40°	3860.7	12.7
40°-50°	4714.9	15.5
50°-60°	5453.3	17.9
60°-70°	6502.1	21.4
70°-80°	4538.1	14.9
80°-90°	278.7	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°	30389.0	100.0
0°-180°	30389.0	100.0

Coefficient of Utilization

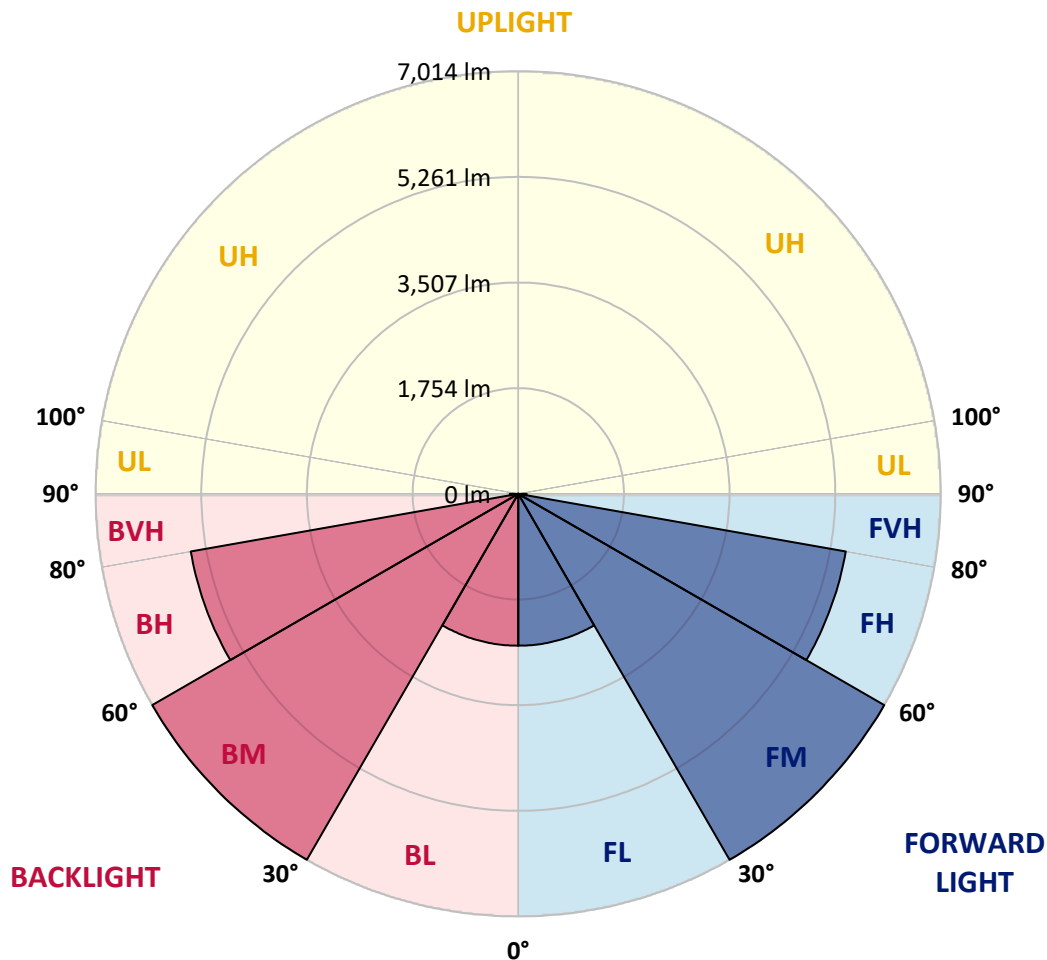


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2520.6	8.3			
FM (30°-60°)	7014.4	23.1			
FH (60°-80°)	5520.1	18.2			G3/7500
FVH (80°-90°)	139.4	0.5			G2/225
BL (0°-30°)	2520.6	8.3	B4/5000		
BM (30°-60°)	7014.4	23.1	B4/8500		
BH (60°-80°)	5520.1	18.2	B5		G5
BVH (80°-90°)	139.4	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°	5678.5	5678.5	5678.5	5678.5	5678.5	5678.5	5678.5	5678.5	5678.5	5678.5
2.5°	5683.4	5689.8	5689.8	5685.0	5696.3	5686.6	5686.6	5681.7	5686.6	5681.7
5°	5712.4	5720.5	5723.7	5722.1	5736.6	5728.6	5728.6	5722.1	5723.7	5718.9
7.5°	5767.3	5778.6	5785.1	5793.2	5814.2	5804.5	5798.0	5778.6	5770.6	5757.6
10°	5785.1	5798.0	5819.0	5861.0	5909.5	5911.1	5891.7	5843.2	5806.1	5777.0
12.5°	5730.2	5748.0	5791.6	5877.2	5985.4	6029.0	5998.3	5917.5	5844.9	5793.2
15°	5660.7	5680.1	5746.3	5875.5	6035.4	6137.2	6133.9	6027.4	5911.1	5830.3
17.5°	5552.5	5571.9	5667.2	5848.1	6074.2	6242.2	6287.4	6177.6	6014.4	5906.2
20°	5357.1	5374.9	5507.3	5760.9	6087.1	6353.6	6471.5	6374.6	6171.1	6024.1
22.5°	5103.5	5131.0	5286.0	5610.7	6056.4	6469.9	6681.4	6615.2	6353.6	6150.1
25°	4832.2	4861.3	5042.2	5426.6	5977.3	6553.9	6930.2	6888.2	6560.3	6306.8
27.5°	4598.0	4628.7	4825.8	5244.1	5854.5	6586.2	7175.7	7196.6	6810.7	6479.6
30°	4413.9	4443.0	4653.0	5097.1	5696.3	6553.9	7390.5	7535.8	7065.8	6629.8
32.5°	4212.0	4249.2	4470.5	4917.8	5508.9	6476.3	7577.8	7902.4	7361.4	6791.3
35°	3956.9	3990.8	4223.3	4672.3	5263.4	6352.0	7734.5	8309.4	7784.5	7036.8
37.5°	3646.8	3679.1	3910.0	4365.5	5019.6	6177.6	7854.0	8768.1	8288.4	7390.5
40°	3335.1	3365.8	3582.2	4023.1	4727.2	5954.7	7896.0	9217.1	8866.6	7876.6
42.5°	3049.2	3076.7	3275.3	3685.5	4399.4	5670.4	7841.1	9607.9	9385.0	8215.7
45°	2786.0	2810.2	2986.2	3369.0	4058.6	5324.8	7676.3	10027.8	10002.0	8458.0
47.5°	2485.6	2509.8	2692.3	3062.1	3717.8	4919.4	7396.9	10441.3	10859.6	9007.1
50°	2118.9	2139.9	2327.3	2708.4	3364.1	4488.2	7009.3	10765.9	11941.7	9838.9
52.5°	1684.5	1707.1	1889.6	2270.8	2944.2	4024.7	6498.9	10977.5	13191.7	11053.4
55°	1253.3	1269.4	1427.7	1770.1	2424.2	3496.6	5859.4	11037.2	14609.7	12713.7
57.5°	909.3	919.0	1020.7	1275.9	1837.9	2836.0	5082.6	10882.2	16297.4	14842.3
60°	736.5	739.7	770.4	883.4	1277.5	2089.9	4144.2	10349.2	18128.9	17586.2
62.5°	668.6	668.6	676.7	707.4	864.1	1379.3	3008.8	9244.5	20092.8	21053.8
65°	621.8	621.8	625.0	639.6	681.5	878.6	1899.3	7445.4	21748.2	25115.6
67.5°	579.8	581.4	579.8	584.6	608.9	649.2	1101.5	5142.3	22639.7	29324.4
70°	536.2	539.4	531.4	531.4	550.7	552.3	689.6	2819.9	21900.0	32851.7
72.5°	484.5	489.4	476.4	473.2	487.7	481.3	518.4	1353.4	18802.4	33904.7
75°	439.3	445.8	416.7	408.6	408.6	403.8	421.5	694.5	12203.3	27657.7
77.5°	398.9	411.8	365.0	339.2	332.7	318.2	344.0	424.8	5337.7	12985.0
80°	329.5	347.2	300.4	269.7	258.4	242.3	271.3	297.2	1587.6	3015.3
82.5°	245.5	253.6	213.2	192.2	182.5	171.2	203.5	206.7	516.8	1067.5
85°	156.7	159.9	130.8	113.1	108.2	103.4	129.2	113.1	197.0	784.9
87.5°	54.9	63.0	50.1	45.2	48.5	40.4	59.8	33.9	54.9	554.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5678.5
5681.7
5718.9
5757.6
5772.2
5785.1
5817.4
5888.5
5996.7
6113.0
6255.1
6424.7
6550.6
6691.1
6925.3
7241.9
7718.3
8012.2
8183.4
8690.6
9441.6
10564.0
12101.5
14071.9
16615.6
19753.6
23471.5
27549.5
32384.9
35132.1
29582.8
12715.3
2887.7
1206.4
1140.2
686.4
0.0

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