

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: P850904

Luminaire Tested: **GLAN-SB8C-850-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850904  
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-SB8C-850-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 51440 lumens  
Efficiency: N/A  
Efficacy: 128.7 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

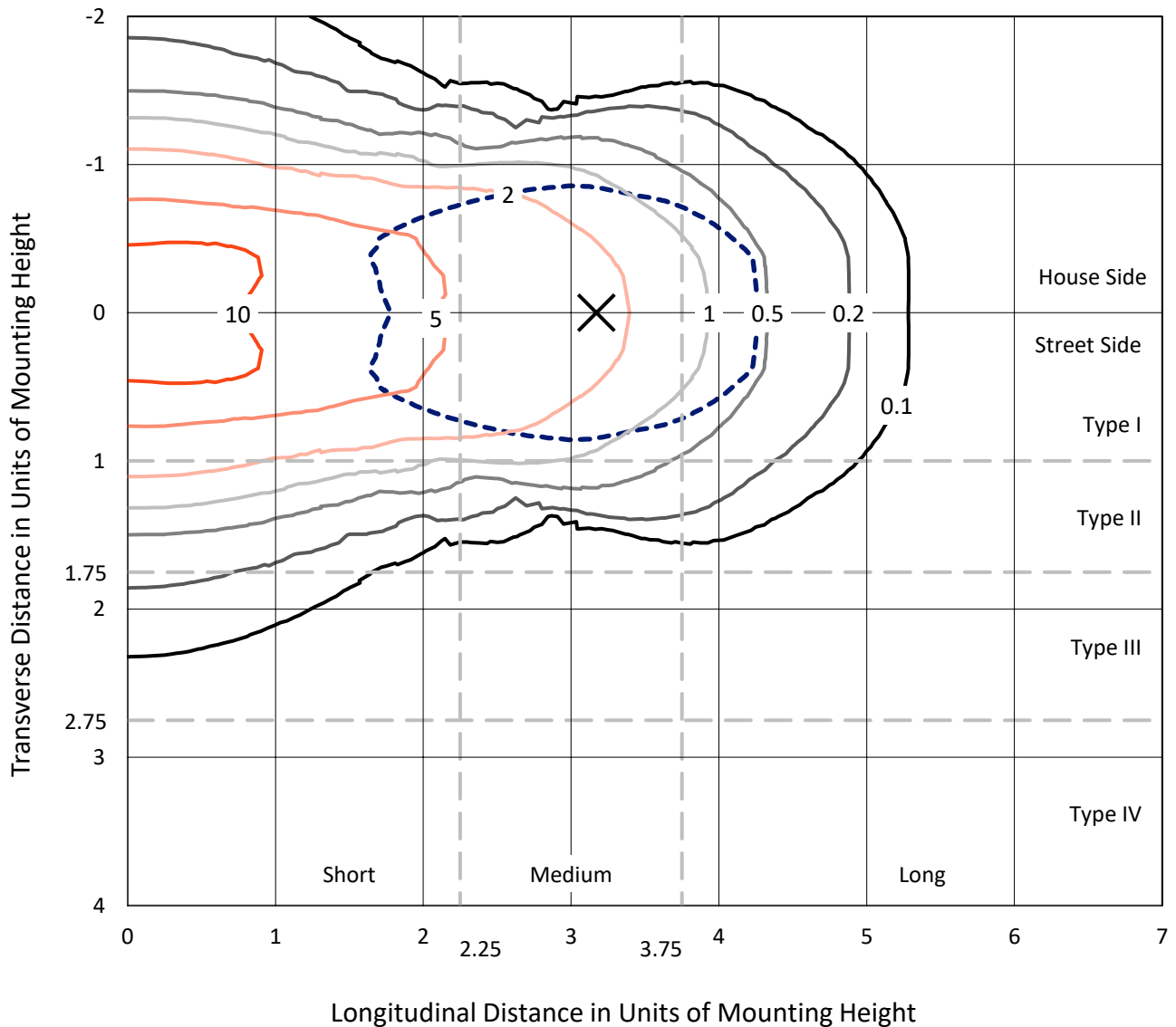
Input Watts (W): 399.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

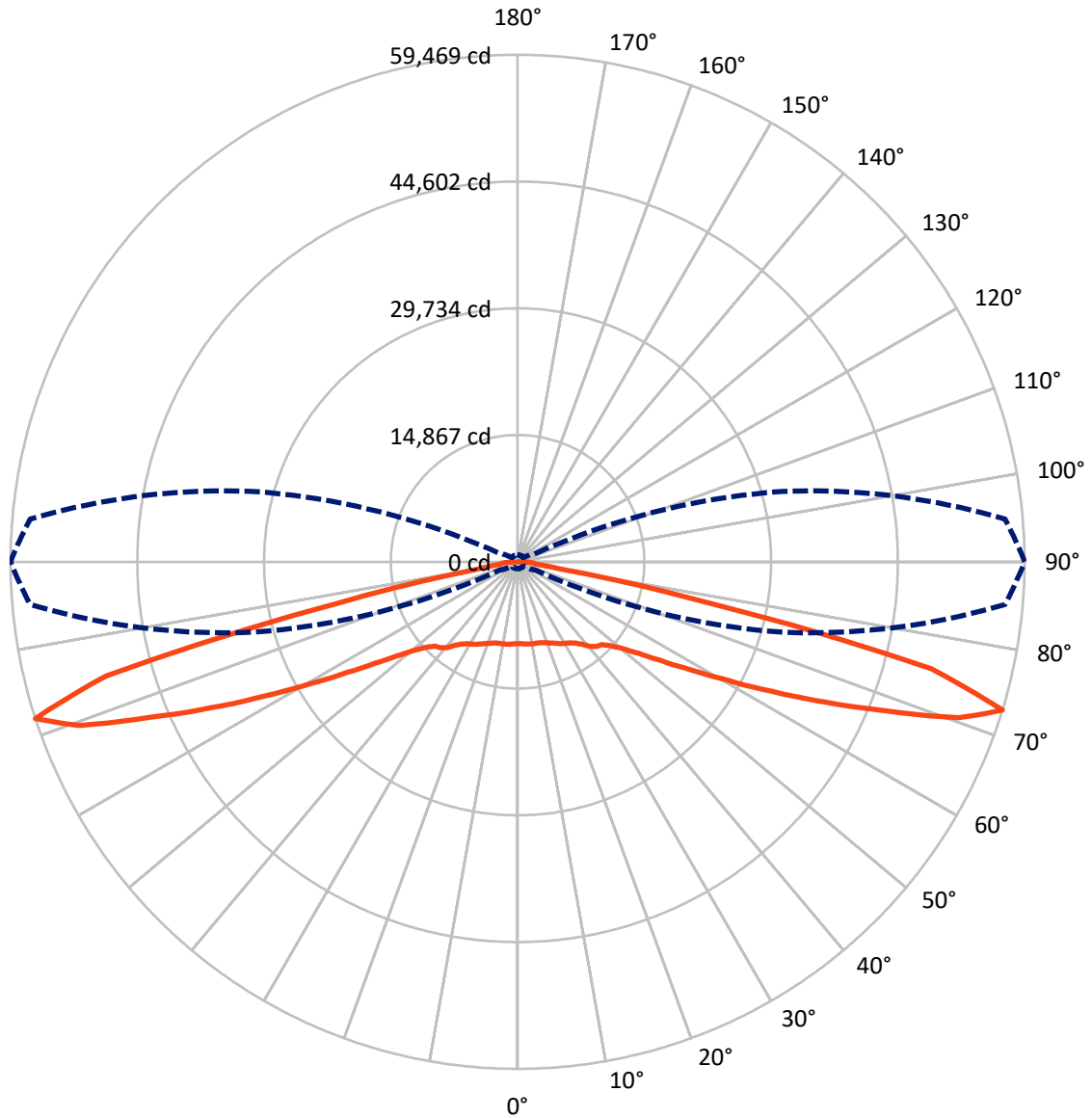
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.4 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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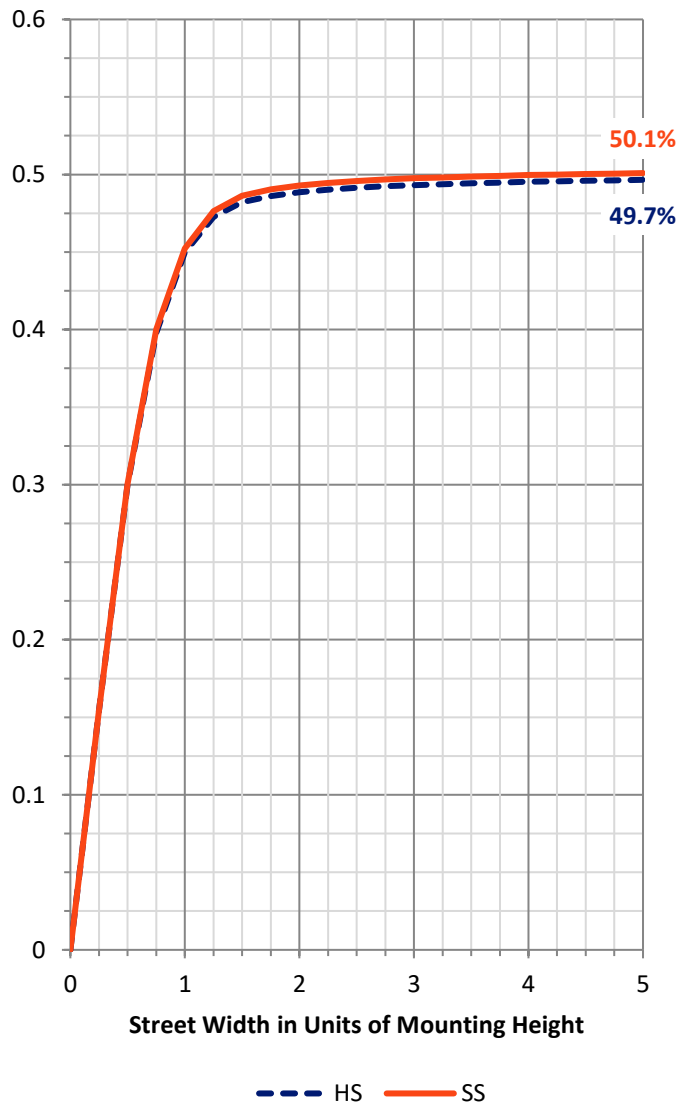
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	25720.0	0.0	25720.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	25720.0	0.0	25720.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	51440.0	0.0	51440.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	932.0	1.8
10°-20°	2849.7	5.5
20°-30°	4751.6	9.2
30°-40°	6535.0	12.7
40°-50°	7981.0	15.5
50°-60°	9230.9	17.9
60°-70°	11006.3	21.4
70°-80°	7681.7	14.9
80°-90°	471.8	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°	51440.0	100.0
0°-180°	51440.0	100.0

**Coefficient of Utilization**



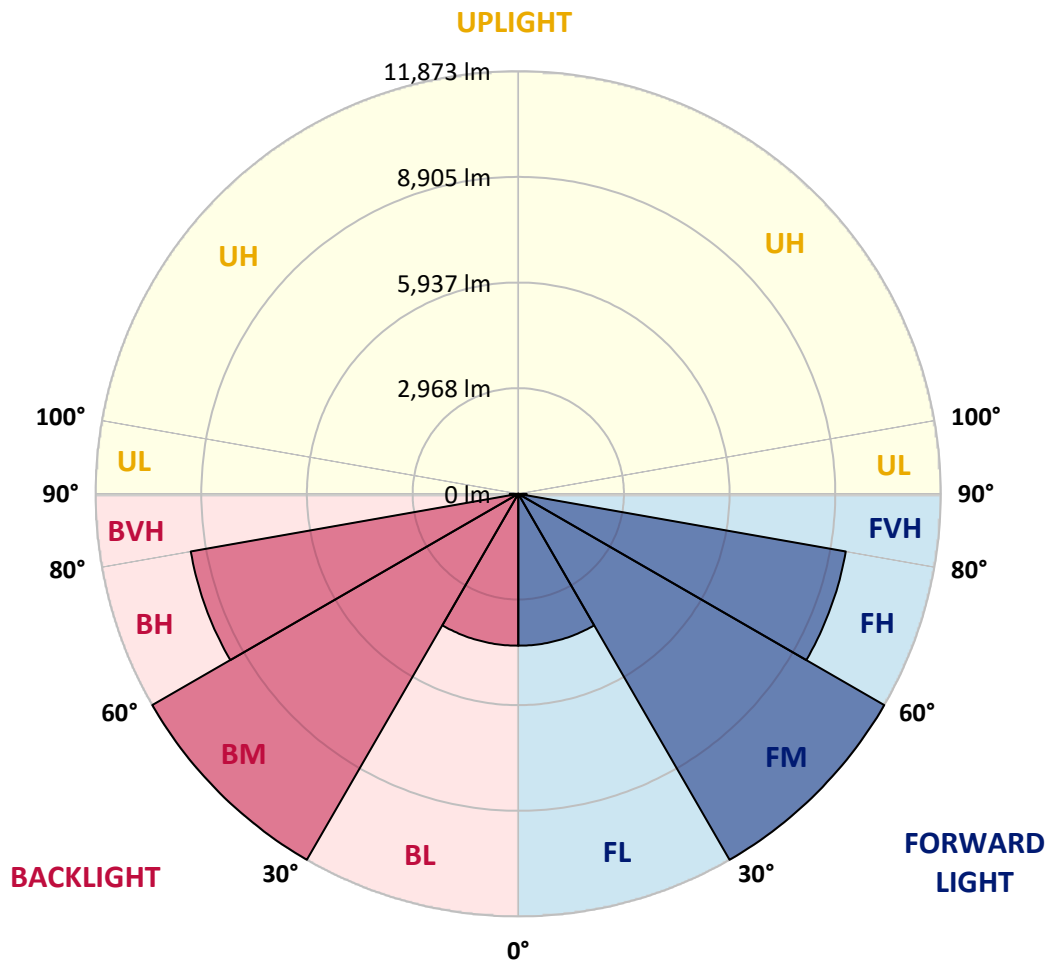
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4266.7	8.3			
FM (30°-60°)	11873.4	23.1			
FH (60°-80°)	9344.0	18.2			G4/12000
FVH (80°-90°)	235.9	0.5			G3/500
BL (0°-30°)	4266.7	8.3	B4/5000		
BM (30°-60°)	11873.4	23.1	B5		
BH (60°-80°)	9344.0	18.2	B5		G5
BVH (80°-90°)	235.9	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°	9612.1	9612.1	9612.1	9612.1	9612.1	9612.1	9612.1	9612.1	9612.1	9612.1
2.5°	9620.3	9631.2	9631.2	9623.0	9642.2	9625.8	9625.8	9617.6	9625.8	9617.6
5°	9669.5	9683.2	9688.7	9685.9	9710.5	9696.9	9696.9	9685.9	9688.7	9680.5
7.5°	9762.5	9781.6	9792.5	9806.2	9841.7	9825.3	9814.4	9781.6	9767.9	9746.1
10°	9792.5	9814.4	9849.9	9921.0	10003.0	10005.8	9973.0	9891.0	9828.1	9778.9
12.5°	9699.6	9729.7	9803.5	9948.4	10131.5	10205.3	10153.4	10016.7	9893.7	9806.2
15°	9582.0	9614.8	9726.9	9945.6	10216.3	10388.5	10383.0	10202.6	10005.8	9869.1
17.5°	9398.9	9431.7	9593.0	9899.2	10281.9	10566.2	10642.8	10456.9	10180.7	9997.6
20°	9068.1	9098.1	9322.3	9751.5	10303.8	10754.8	10954.4	10790.4	10445.9	10197.1
22.5°	8638.9	8685.3	8947.8	9497.3	10251.8	10951.7	11309.8	11197.7	10754.8	10410.4
25°	8179.6	8228.8	8535.0	9185.6	10117.9	11093.8	11730.8	11659.7	11104.8	10675.6
27.5°	7783.2	7835.1	8168.7	8876.7	9910.1	11148.5	12146.4	12181.9	11528.5	10968.1
30°	7471.5	7520.7	7876.1	8627.9	9642.2	11093.8	12510.0	12756.0	11960.5	11222.3
32.5°	7129.8	7192.7	7567.2	8324.5	9325.1	10962.6	12827.1	13376.6	12460.7	11495.7
35°	6697.9	6755.3	7148.9	7908.9	8909.5	10752.1	13092.3	14065.5	13177.0	11911.2
37.5°	6173.0	6227.6	6618.6	7389.5	8496.7	10456.9	13294.6	14841.9	14030.0	12510.0
40°	5645.3	5697.3	6063.6	6809.9	8001.9	10079.6	13365.6	15601.9	15008.7	13332.8
42.5°	5161.4	5207.9	5544.2	6238.6	7446.9	9598.4	13272.7	16263.5	15886.2	13906.9
45°	4715.8	4756.8	5054.8	5702.7	6870.1	9013.4	12993.8	16974.3	16930.5	14317.0
47.5°	4207.3	4248.4	4557.3	5183.3	6293.3	8327.2	12520.9	17674.1	18382.2	15246.5
50°	3586.8	3622.3	3939.4	4584.6	5694.5	7597.3	11864.8	18223.6	20213.9	16654.4
52.5°	2851.4	2889.6	3198.6	3843.7	4983.8	6812.7	11000.9	18581.8	22329.8	18710.3
55°	2121.4	2148.8	2416.7	2996.3	4103.5	5918.7	9918.3	18682.9	24730.1	21520.6
57.5°	1539.1	1555.5	1727.8	2159.7	3111.1	4800.6	8603.3	18420.5	27587.0	25123.8
60°	1246.6	1252.1	1304.0	1495.4	2162.5	3537.6	7015.0	17518.3	30687.1	29768.6
62.5°	1131.8	1131.8	1145.5	1197.4	1462.6	2334.7	5093.1	15648.4	34011.4	35638.1
65°	1052.5	1052.5	1058.0	1082.6	1153.7	1487.2	3215.0	12602.9	36813.6	42513.6
67.5°	981.4	984.2	981.4	989.6	1030.6	1099.0	1864.5	8704.5	38322.7	49637.9
70°	907.6	913.1	899.4	899.4	932.2	935.0	1167.3	4773.2	37070.6	55608.6
72.5°	820.1	828.3	806.5	801.0	825.6	814.7	877.6	2290.9	31827.1	57391.1
75°	743.6	754.5	705.3	691.7	691.7	683.5	713.5	1175.5	20656.7	46816.6
77.5°	675.3	697.1	617.8	574.1	563.2	538.6	582.3	719.0	9035.3	21979.9
80°	557.7	587.8	508.5	456.5	437.4	410.1	459.3	503.0	2687.3	5104.0
82.5°	415.5	429.2	360.9	325.3	308.9	289.8	344.5	349.9	874.8	1807.1
85°	265.2	270.6	221.4	191.4	183.2	175.0	218.7	191.4	333.5	1328.6
87.5°	92.9	106.6	84.7	76.5	82.0	68.3	101.2	57.4	92.9	937.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

9612.1  
9617.6  
9680.5  
9746.1  
9770.7  
9792.5  
9847.2  
9967.5  
10150.7  
10347.5  
10588.1  
10875.1  
11088.4  
11326.2  
11722.6  
12258.4  
13064.9  
13562.5  
13852.3  
14710.7  
15981.9  
17881.9  
20484.5  
23819.8  
28125.5  
33437.3  
39730.6  
46633.5  
54818.5  
59468.8  
50075.4  
21523.4  
4888.1  
2042.2  
1930.1  
1161.9  
0.0

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