

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: P851404

Luminaire Tested: **GLAN-SB9B-840-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851404
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-SB9B-840-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45123 lumens
Efficiency: N/A
Efficacy: 136.9 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

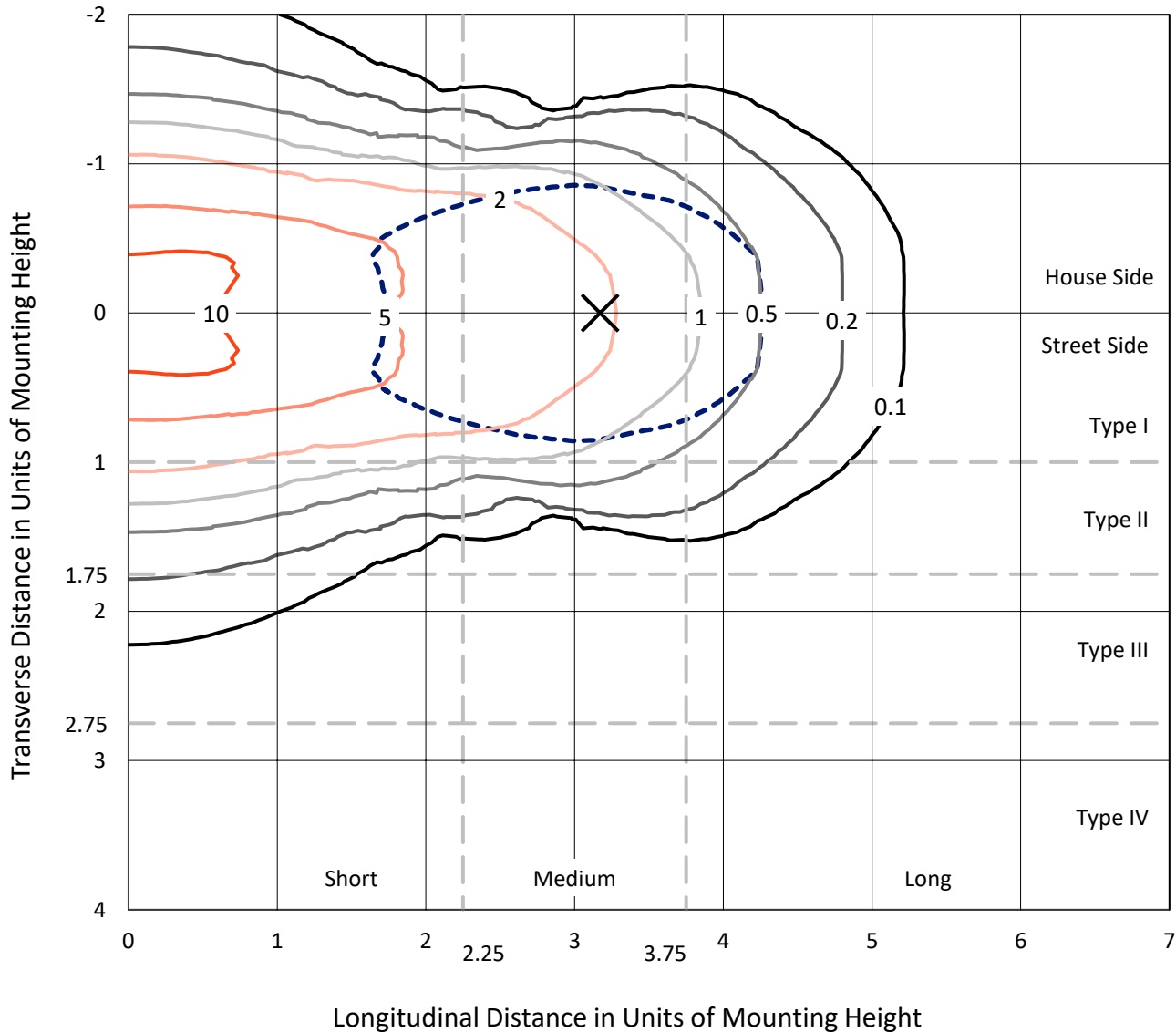
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

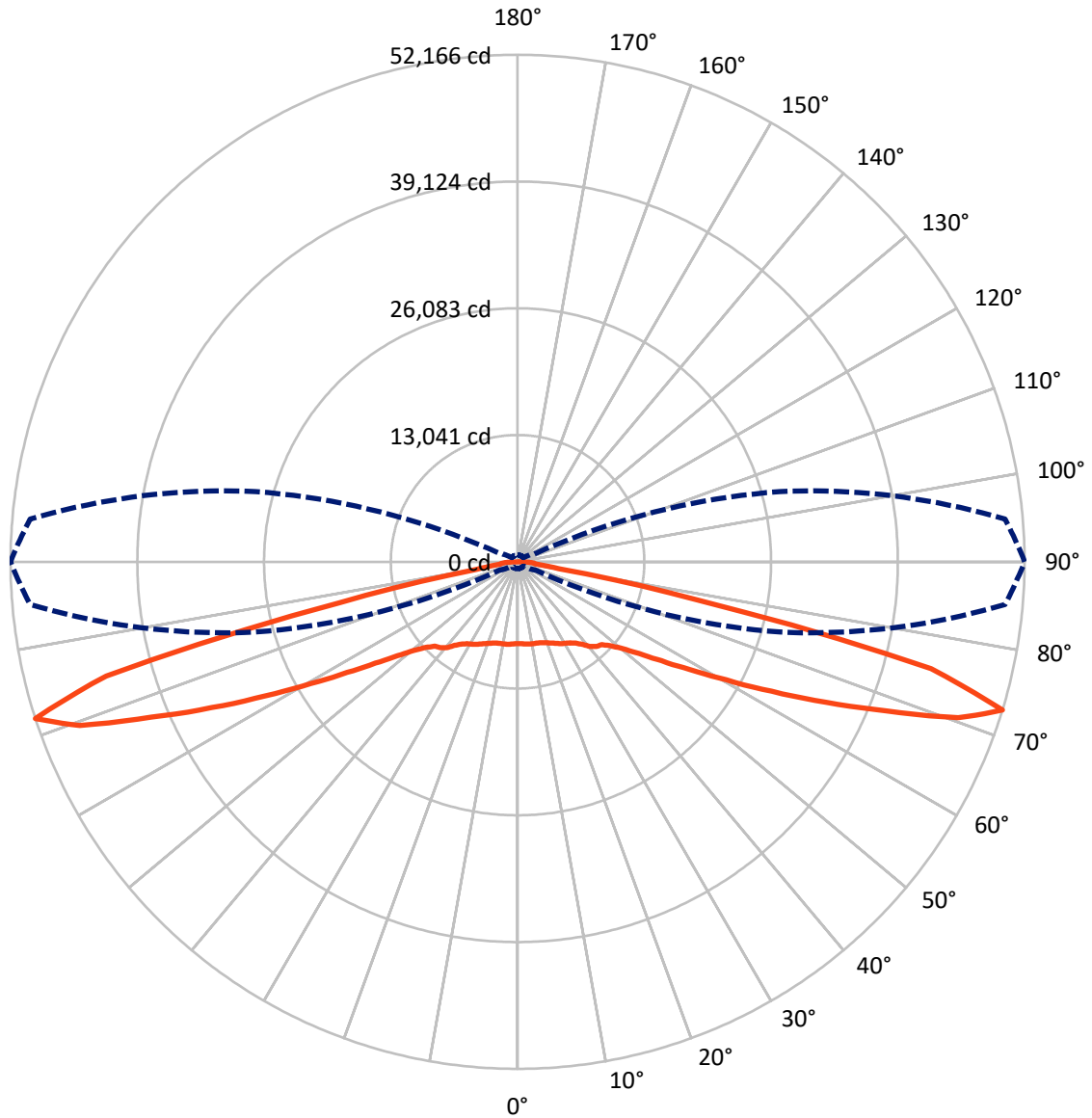
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.5 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	22561.5	0.0	22561.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22561.5	0.0	22561.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	45123.0	0.0	45123.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	817.6	1.8
10°-20°	2499.8	5.5
20°-30°	4168.1	9.2
30°-40°	5732.5	12.7
40°-50°	7000.9	15.5
50°-60°	8097.3	17.9
60°-70°	9654.7	21.4
70°-80°	6738.3	14.9
80°-90°	413.9	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°	45123.0	100.0
0°-180°	45123.0	100.0

Coefficient of Utilization

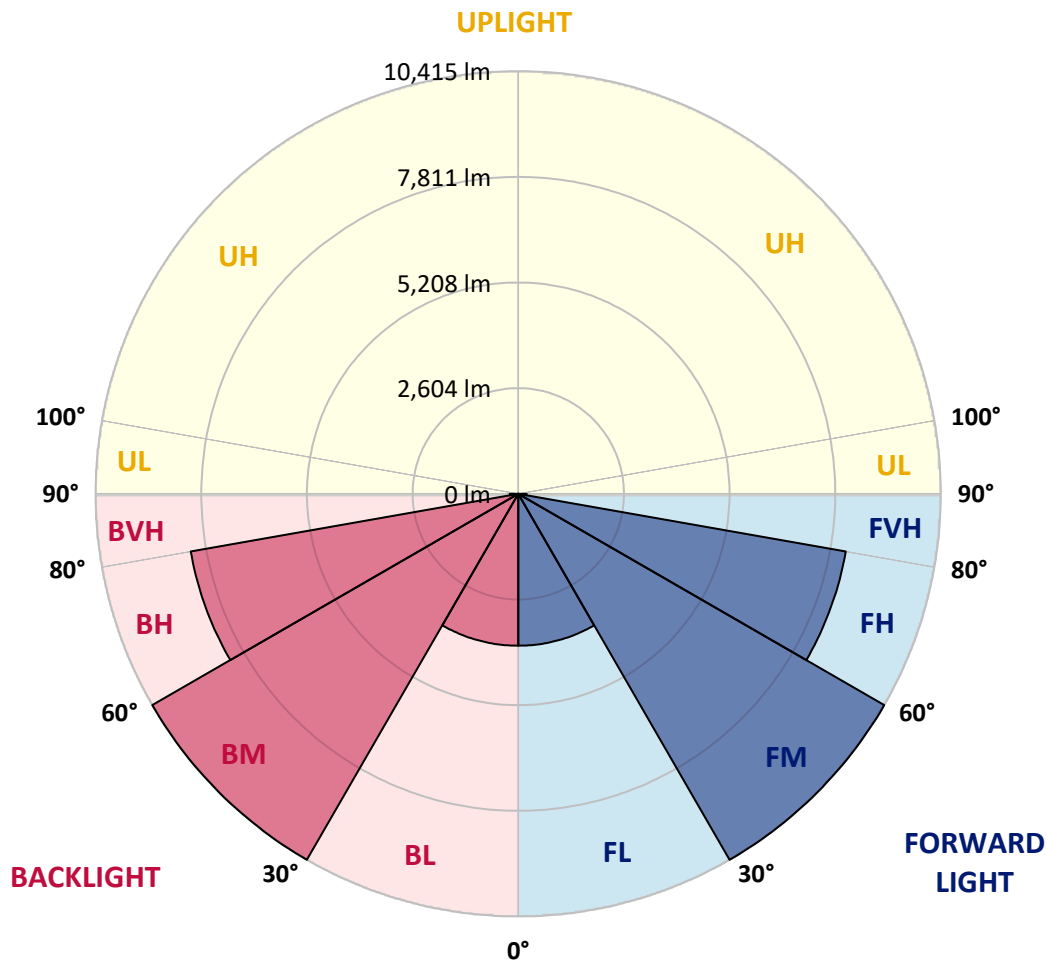


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3742.7	8.3			
FM (30°-60°)	10415.3	23.1			
FH (60°-80°)	8196.5	18.2			G4/12000
FVH (80°-90°)	206.9	0.5			G2/225
BL (0°-30°)	3742.7	8.3	B4/5000		
BM (30°-60°)	10415.3	23.1	B5		
BH (60°-80°)	8196.5	18.2	B5		G5
BVH (80°-90°)	206.9	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°	8431.7	8431.7	8431.7	8431.7	8431.7	8431.7	8431.7	8431.7	8431.7	8431.7
2.5°	8438.9	8448.5	8448.5	8441.3	8458.1	8443.7	8443.7	8436.5	8443.7	8436.5
5°	8482.1	8494.1	8498.9	8496.5	8518.0	8506.0	8506.0	8496.5	8498.9	8491.7
7.5°	8563.6	8580.4	8590.0	8602.0	8633.1	8618.8	8609.2	8580.4	8568.4	8549.2
10°	8590.0	8609.2	8640.3	8702.7	8774.6	8777.0	8748.3	8676.3	8621.2	8578.0
12.5°	8508.4	8534.8	8599.6	8726.7	8887.3	8952.1	8906.5	8786.6	8678.7	8602.0
15°	8405.3	8434.1	8532.4	8724.3	8961.7	9112.8	9108.0	8949.7	8777.0	8657.1
17.5°	8244.7	8273.4	8414.9	8683.5	9019.2	9268.6	9335.8	9172.7	8930.5	8769.8
20°	7954.5	7980.9	8177.5	8554.0	9038.4	9434.1	9609.2	9465.3	9163.1	8944.9
22.5°	7578.0	7618.8	7849.0	8331.0	8992.9	9606.8	9920.9	9822.6	9434.1	9132.0
25°	7175.1	7218.3	7486.9	8057.6	8875.4	9731.5	10290.2	10227.9	9741.1	9364.6
27.5°	6827.4	6872.9	7165.5	7786.6	8693.1	9779.4	10654.7	10685.9	10112.8	9621.2
30°	6554.0	6597.2	6908.9	7568.4	8458.1	9731.5	10973.7	11189.5	10491.7	9844.2
32.5°	6254.2	6309.4	6637.9	7302.2	8179.9	9616.4	11251.9	11733.9	10930.5	10084.0
35°	5875.3	5925.7	6271.0	6937.7	7815.4	9431.7	11484.5	12338.2	11558.8	10448.5
37.5°	5414.9	5462.9	5805.8	6482.1	7453.3	9172.7	11661.9	13019.3	12307.0	10973.7
40°	4952.1	4997.6	5319.0	5973.7	7019.2	8841.8	11724.3	13685.9	13165.6	11695.5
42.5°	4527.6	4568.4	4863.3	5472.5	6532.4	8419.7	11642.8	14266.3	13935.3	12199.1
45°	4136.7	4172.7	4434.1	5002.4	6026.4	7906.5	11398.2	14889.8	14851.4	12558.8
47.5°	3690.7	3726.6	3997.6	4546.8	5520.4	7304.6	10983.3	15503.7	16124.8	13374.2
50°	3146.3	3177.5	3455.7	4021.6	4995.2	6664.3	10407.7	15985.7	17731.5	14609.2
52.5°	2501.2	2534.8	2805.8	3371.7	4371.7	5976.1	9649.9	16299.9	19587.7	16412.6
55°	1860.9	1884.9	2119.9	2628.3	3599.5	5191.9	8700.3	16388.6	21693.2	18877.8
57.5°	1350.1	1364.5	1515.6	1894.5	2729.0	4211.1	7546.8	16158.4	24199.2	22038.5
60°	1093.5	1098.3	1143.9	1311.8	1896.9	3103.1	6153.5	15367.0	26918.6	26112.9
62.5°	992.8	992.8	1004.8	1050.4	1283.0	2048.0	4467.7	13726.7	29834.7	31261.6
65°	923.3	923.3	928.1	949.6	1012.0	1304.6	2820.2	11055.2	32292.8	37292.8
67.5°	860.9	863.3	860.9	868.1	904.1	964.0	1635.5	7635.5	33616.5	43542.2
70°	796.2	801.0	789.0	789.0	817.8	820.1	1024.0	4187.1	32518.2	48779.7
72.5°	719.4	726.6	707.4	702.6	724.2	714.6	769.8	2009.6	27918.6	50343.2
75°	652.3	661.9	618.7	606.7	606.7	599.5	625.9	1031.2	18120.0	41067.4
77.5°	592.3	611.5	542.0	503.6	494.0	472.4	510.8	630.7	7925.7	19280.7
80°	489.2	515.6	446.0	400.5	383.7	359.7	402.9	441.2	2357.3	4477.2
82.5°	364.5	376.5	316.5	285.4	271.0	254.2	302.2	307.0	767.4	1585.1
85°	232.6	237.4	194.2	167.9	160.7	153.5	191.8	167.9	292.6	1165.5
87.5°	81.5	93.5	74.3	67.1	71.9	60.0	88.7	50.4	81.5	822.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

8431.7
8436.5
8491.7
8549.2
8570.8
8590.0
8637.9
8743.5
8904.1
9076.8
9287.8
9539.6
9726.7
9935.3
10283.0
10753.1
11460.5
11897.0
12151.2
12904.2
14019.3
15686.0
17968.9
20894.6
24671.6
29331.1
34851.5
40906.7
48086.6
52165.8
43925.9
18880.2
4287.8
1791.4
1693.1
1019.2
0.0

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