

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: P851084

Luminaire Tested: **GLAN-SB8D-927-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851084
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-SB8D-927-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52421 lumens
Efficiency: N/A
Efficacy: 89.6 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

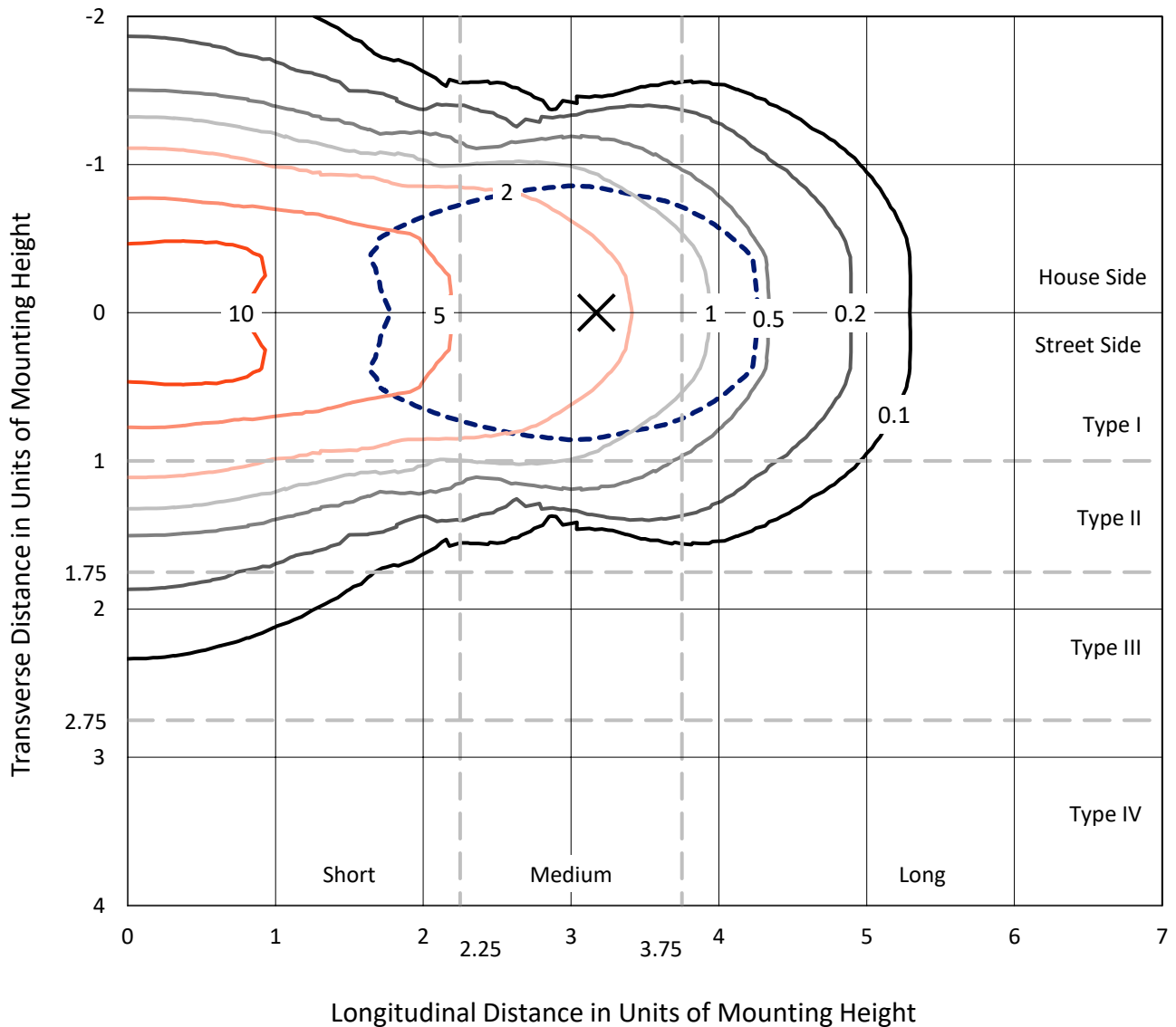
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

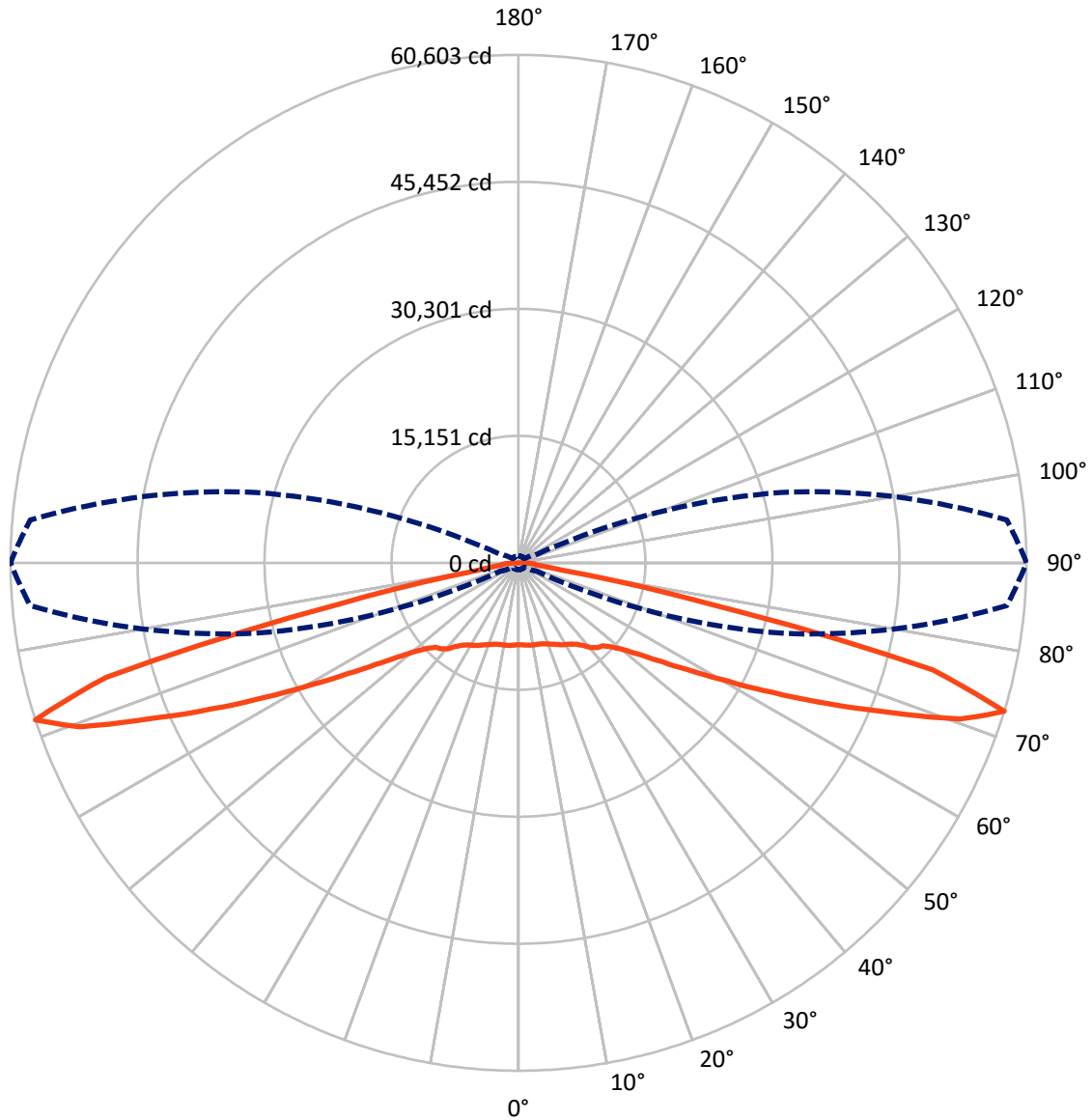
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.7 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	26210.5	0.0	26210.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26210.5	0.0	26210.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	52421.0	0.0	52421.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	949.8	1.8
10°-20°	2904.1	5.5
20°-30°	4842.3	9.2
30°-40°	6659.6	12.7
40°-50°	8133.2	15.5
50°-60°	9406.9	17.9
60°-70°	11216.2	21.4
70°-80°	7828.2	14.9
80°-90°	480.8	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°	52421.0	100.0
0°-180°	52421.0	100.0

Coefficient of Utilization

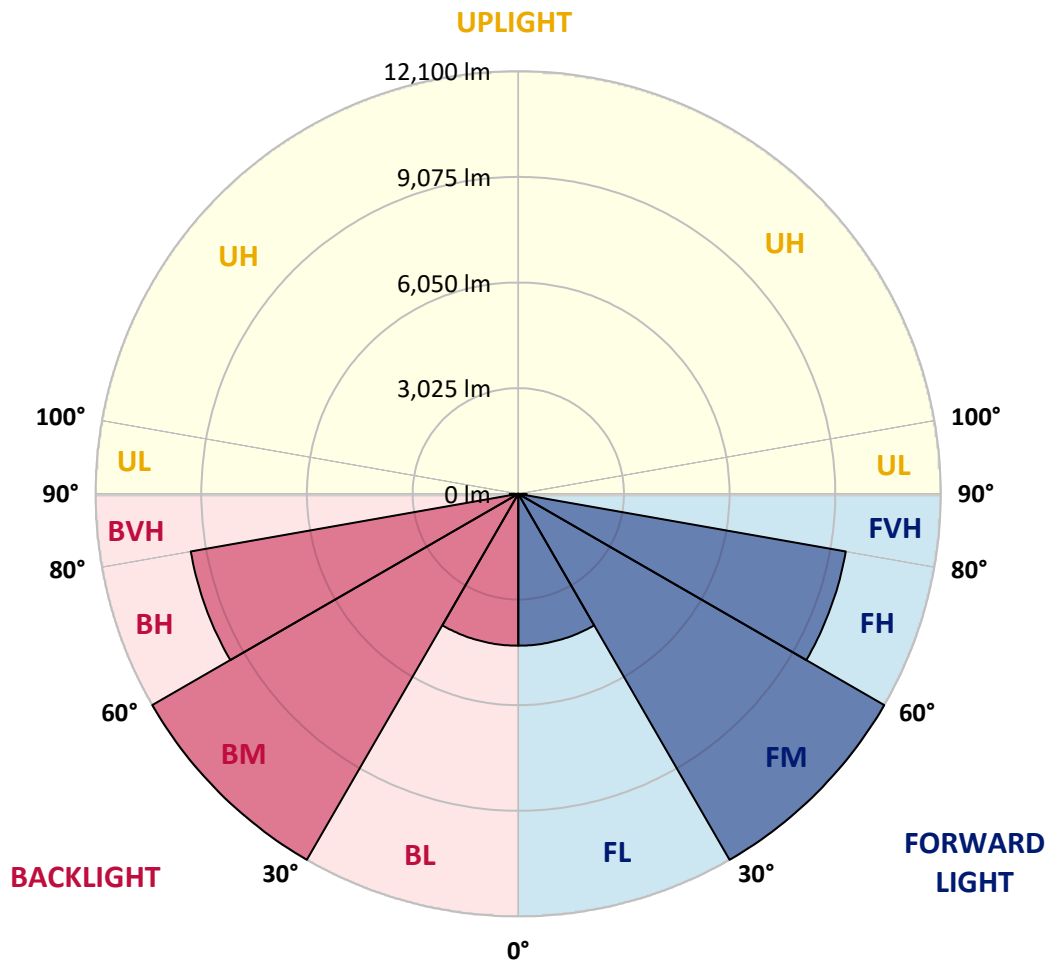


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4348.0	8.3			
FM (30°-60°)	12099.9	23.1			
FH (60°-80°)	9522.2	18.2			G4/12000
FVH (80°-90°)	240.4	0.5			G3/500
BL (0°-30°)	4348.0	8.3	B4/5000		
BM (30°-60°)	12099.9	23.1	B5		
BH (60°-80°)	9522.2	18.2	B5		G5
BVH (80°-90°)	240.4	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°	9795.4	9795.4	9795.4	9795.4	9795.4	9795.4	9795.4	9795.4	9795.4	9795.4
2.5°	9803.8	9814.9	9814.9	9806.6	9826.1	9809.3	9809.3	9801.0	9809.3	9801.0
5°	9853.9	9867.9	9873.4	9870.6	9895.7	9881.8	9881.8	9870.6	9873.4	9865.1
7.5°	9948.6	9968.1	9979.3	9993.2	10029.4	10012.7	10001.6	9968.1	9954.2	9931.9
10°	9979.3	10001.6	10037.8	10110.2	10193.8	10196.6	10163.2	10079.6	10015.5	9965.4
12.5°	9884.6	9915.2	9990.4	10138.1	10324.7	10400.0	10347.0	10207.7	10082.4	9993.2
15°	9764.8	9798.2	9912.4	10135.3	10411.1	10586.6	10581.1	10397.2	10196.6	10057.3
17.5°	9578.1	9611.5	9775.9	10087.9	10478.0	10767.7	10845.7	10656.3	10374.9	10188.2
20°	9241.0	9271.7	9500.1	9937.5	10500.3	10959.9	11163.3	10996.2	10645.1	10391.6
22.5°	8803.6	8851.0	9118.4	9678.4	10447.3	11160.5	11525.5	11411.3	10959.9	10608.9
25°	8335.6	8385.7	8697.8	9360.8	10310.8	11305.4	11954.5	11882.1	11316.5	10879.2
27.5°	7931.6	7984.5	8324.4	9046.0	10099.1	11361.1	12378.0	12414.2	11748.4	11177.3
30°	7614.0	7664.2	8026.3	8792.5	9826.1	11305.4	12748.5	12999.3	12188.6	11436.3
32.5°	7265.8	7329.8	7711.5	8483.2	9502.9	11171.7	13071.7	13631.7	12698.4	11714.9
35°	6825.6	6884.1	7285.3	8059.8	9079.4	10957.2	13341.9	14333.7	13428.3	12138.4
37.5°	6290.7	6346.4	6744.8	7530.4	8658.7	10656.3	13548.1	15124.9	14297.5	12748.5
40°	5753.0	5805.9	6179.2	6939.8	8154.5	10271.8	13620.5	15899.4	15294.9	13587.1
42.5°	5259.9	5307.2	5649.9	6357.5	7588.9	9781.5	13525.8	16573.6	16189.2	14172.2
45°	4805.8	4847.6	5151.2	5811.5	7001.1	9185.3	13241.6	17298.0	17253.4	14590.0
47.5°	4287.6	4329.4	4644.2	5282.2	6413.3	8486.0	12759.7	18011.2	18732.8	15537.3
50°	3655.2	3691.4	4014.6	4672.0	5803.1	7742.2	12091.0	18571.2	20599.4	16972.0
52.5°	2905.8	2944.8	3259.6	3917.1	5078.8	6942.6	11210.7	18936.1	22755.7	19067.1
55°	2161.9	2189.8	2462.8	3053.4	4181.7	6031.6	10107.4	19039.2	25201.7	21931.0
57.5°	1568.5	1585.2	1760.7	2200.9	3170.4	4892.1	8767.4	18771.8	28113.1	25602.9
60°	1270.4	1276.0	1328.9	1523.9	2203.7	3605.0	7148.8	17852.4	31272.3	30336.3
62.5°	1153.4	1153.4	1167.3	1220.2	1490.5	2379.2	5190.2	15946.8	34660.1	36317.7
65°	1072.6	1072.6	1078.2	1103.2	1175.7	1515.6	3276.3	12843.3	37515.7	43324.4
67.5°	1000.2	1002.9	1000.2	1008.5	1050.3	1120.0	1900.0	8870.5	39053.5	50584.6
70°	924.9	930.5	916.6	916.6	950.0	952.8	1189.6	4864.3	37777.5	56669.1
72.5°	835.8	844.1	821.9	816.3	841.4	830.2	894.3	2334.6	32434.1	58485.5
75°	757.8	768.9	718.8	704.8	704.8	696.5	727.1	1198.0	21050.7	47709.5
77.5°	688.1	710.4	629.6	585.1	573.9	548.8	593.4	732.7	9207.6	22399.1
80°	568.3	599.0	518.2	465.3	445.8	417.9	468.0	512.6	2738.6	5201.4
82.5°	423.5	437.4	367.7	331.5	314.8	295.3	351.0	356.6	891.5	1841.5
85°	270.2	275.8	225.7	195.0	186.7	178.3	222.9	195.0	339.9	1354.0
87.5°	94.7	108.7	86.4	78.0	83.6	69.6	103.1	58.5	94.7	955.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

9795.4
9801.0
9865.1
9931.9
9957.0
9979.3
10035.0
10157.6
10344.3
10544.8
10790.0
11082.5
11299.8
11542.2
11946.2
12492.2
13314.1
13821.1
14116.4
14991.2
16286.7
18222.9
20875.2
24274.0
28661.9
34075.0
40488.3
47522.8
55864.0
60602.9
51030.3
21933.8
4981.3
2081.1
1966.9
1184.0
0.0

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