

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: P849554

Luminaire Tested: **GLAN-SB6C-927-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849554
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-SB6C-927-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28932 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

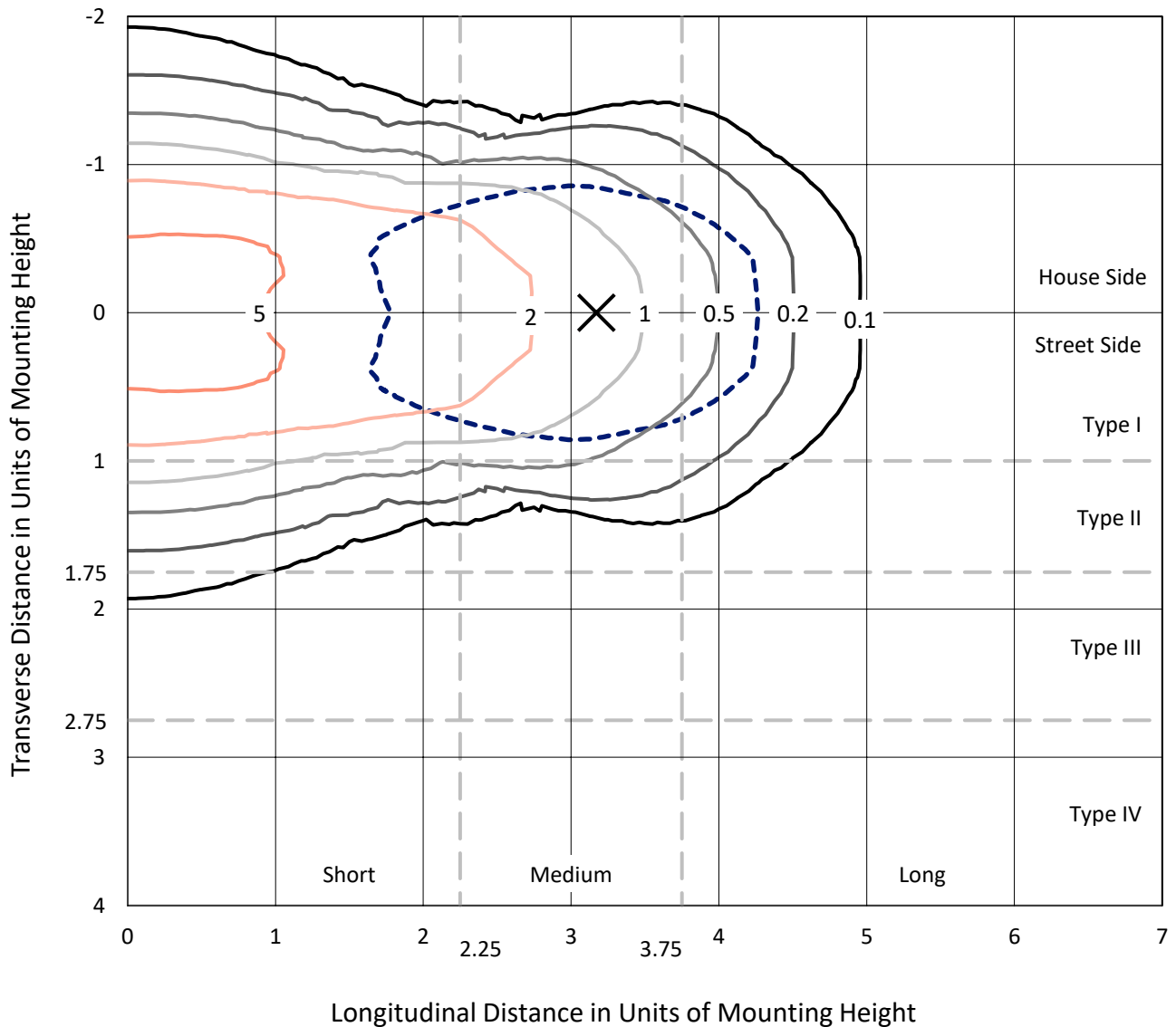
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

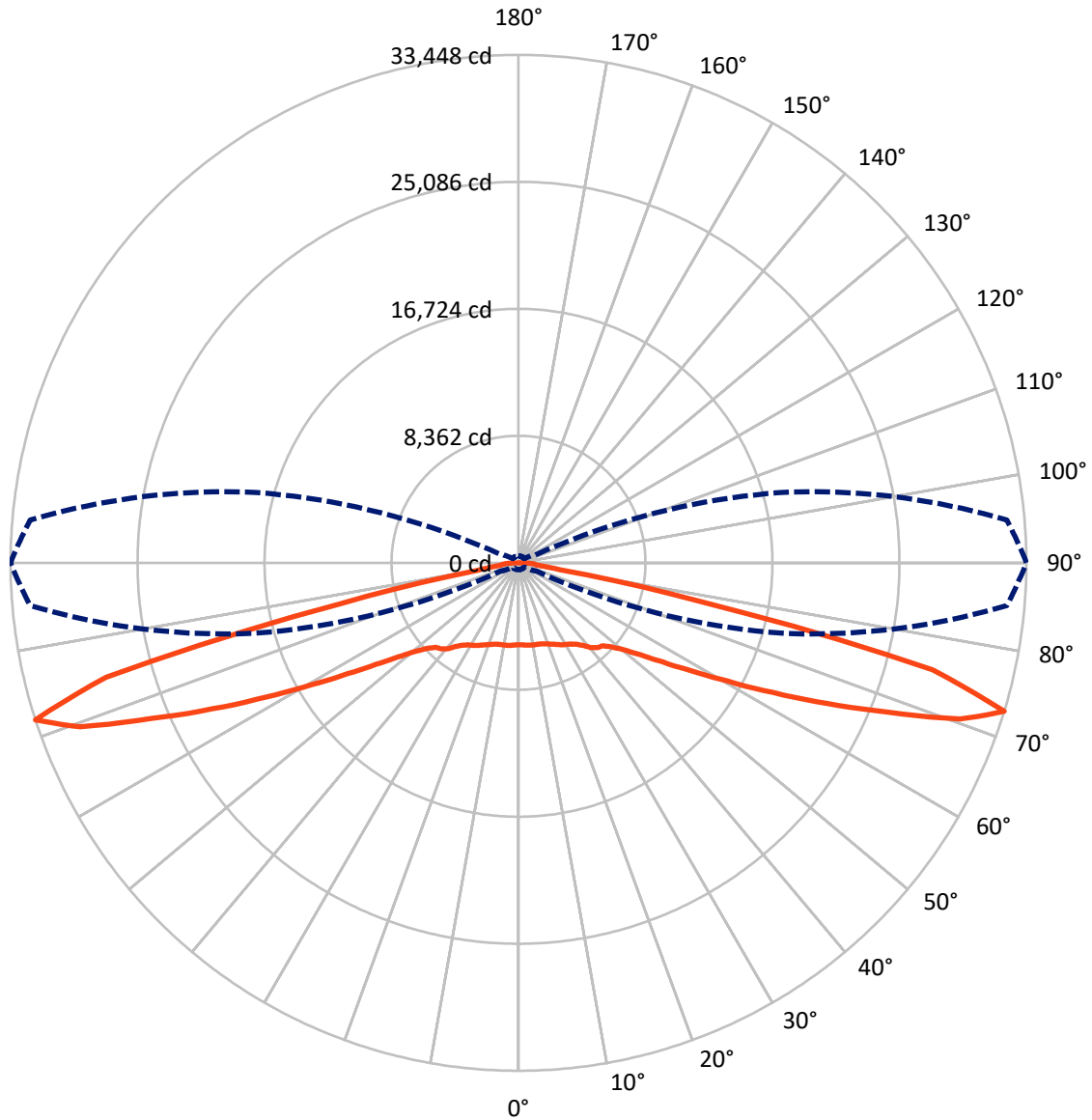
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 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	14466.0	0.0	14466.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14466.0	0.0	14466.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	28932.0	0.0	28932.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	524.2	1.8
10°-20°	1602.8	5.5
20°-30°	2672.5	9.2
30°-40°	3675.5	12.7
40°-50°	4488.8	15.5
50°-60°	5191.8	17.9
60°-70°	6190.4	21.4
70°-80°	4320.5	14.9
80°-90°	265.4	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°	28932.0	100.0
0°-180°	28932.0	100.0

Coefficient of Utilization

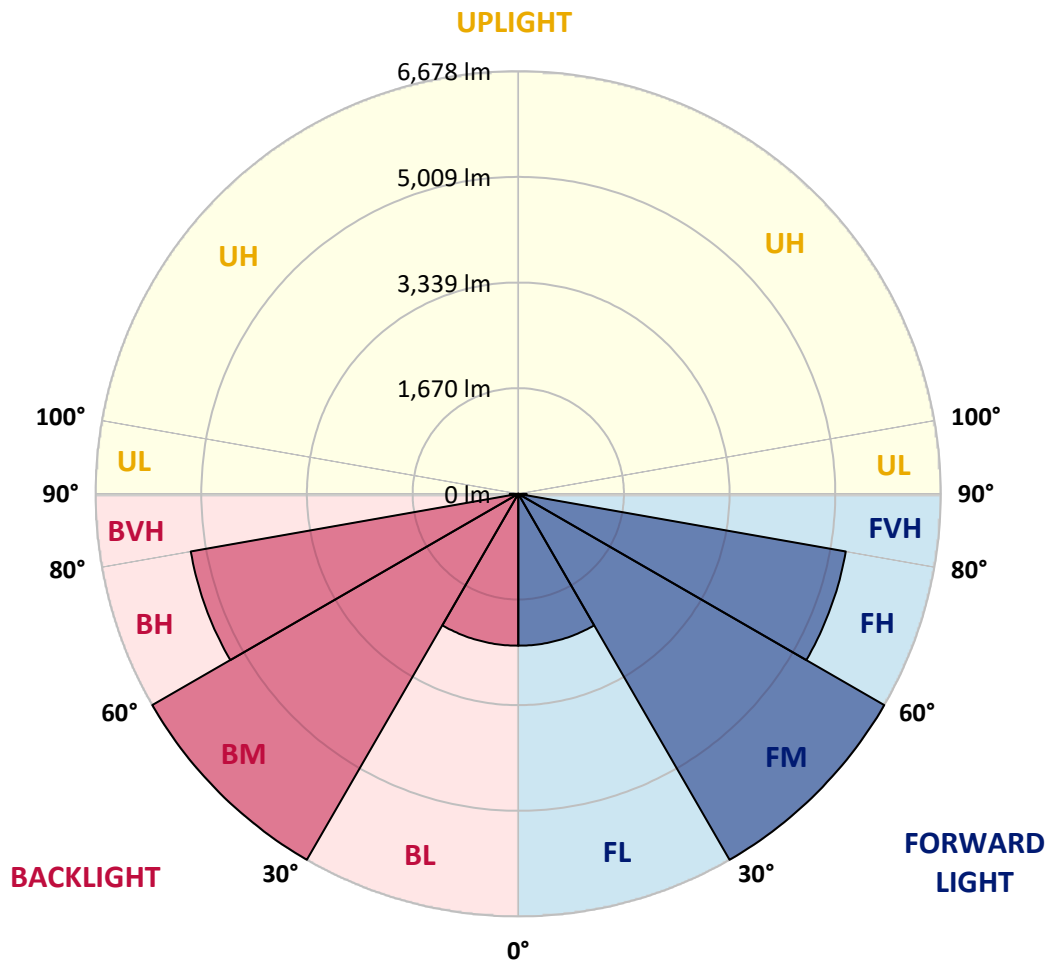


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2399.8	8.3			
FM (30°-60°)	6678.1	23.1			
FH (60°-80°)	5255.4	18.2			G3/7500
FVH (80°-90°)	132.7	0.5			G2/225
BL (0°-30°)	2399.8	8.3	B3/2500		
BM (30°-60°)	6678.1	23.1	B4/8500		
BH (60°-80°)	5255.4	18.2	B5		G5
BVH (80°-90°)	132.7	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°	5406.2	5406.2	5406.2	5406.2	5406.2	5406.2	5406.2	5406.2	5406.2	5406.2
2.5°	5410.9	5417.0	5417.0	5412.4	5423.2	5413.9	5413.9	5409.3	5413.9	5409.3
5°	5438.5	5446.2	5449.3	5447.8	5461.6	5453.9	5453.9	5447.8	5449.3	5444.7
7.5°	5490.8	5501.6	5507.7	5515.4	5535.4	5526.2	5520.0	5501.6	5493.9	5481.6
10°	5507.7	5520.0	5540.0	5580.0	5626.1	5627.7	5609.2	5563.1	5527.7	5500.0
12.5°	5455.5	5472.4	5513.9	5595.4	5698.4	5739.9	5710.7	5633.8	5564.6	5515.4
15°	5389.3	5407.8	5470.8	5593.8	5746.1	5842.9	5839.9	5738.4	5627.7	5550.8
17.5°	5286.3	5304.8	5395.5	5567.7	5783.0	5942.9	5985.9	5881.4	5726.1	5623.1
20°	5100.3	5117.2	5243.3	5484.7	5795.3	6049.0	6161.2	6069.0	5875.2	5735.3
22.5°	4858.9	4885.0	5032.6	5341.7	5766.1	6159.7	6361.1	6298.1	6049.0	5855.2
25°	4600.5	4628.2	4800.4	5166.4	5690.7	6239.6	6597.9	6557.9	6245.8	6004.4
27.5°	4377.6	4406.8	4594.4	4992.6	5573.8	6270.4	6831.6	6851.6	6484.1	6168.9
30°	4202.3	4230.0	4429.9	4852.7	5423.2	6239.6	7036.1	7174.5	6727.1	6311.9
32.5°	4010.1	4045.5	4256.1	4682.0	5244.8	6165.8	7214.5	7523.5	7008.4	6465.7
35°	3767.2	3799.4	4020.9	4448.3	5011.1	6047.4	7363.6	7911.0	7411.3	6699.4
37.5°	3471.9	3502.7	3722.6	4156.2	4778.9	5881.4	7477.4	8347.7	7891.0	7036.1
40°	3175.2	3204.4	3410.4	3830.2	4500.6	5669.2	7517.4	8775.2	8441.5	7498.9
42.5°	2903.0	2929.2	3118.3	3508.8	4188.5	5398.6	7465.1	9147.3	8935.1	7821.8
45°	2652.4	2675.4	2843.0	3207.5	3864.0	5069.5	7308.3	9547.0	9522.4	8052.5
47.5°	2366.4	2389.5	2563.2	2915.3	3539.6	4683.6	7042.3	9940.7	10338.9	8575.3
50°	2017.3	2037.3	2215.7	2578.6	3202.8	4273.0	6673.2	10249.7	11369.1	9367.1
52.5°	1603.7	1625.3	1799.0	2161.9	2803.1	3831.7	6187.4	10451.2	12559.2	10523.4
55°	1193.2	1208.6	1359.3	1685.2	2308.0	3328.9	5578.5	10508.1	13909.3	12104.1
57.5°	865.7	874.9	971.8	1214.7	1749.8	2700.0	4838.9	10360.4	15516.1	14130.7
60°	701.2	704.2	733.4	841.1	1216.3	1989.7	3945.5	9853.0	17259.7	16743.1
62.5°	636.6	636.6	644.3	673.5	822.6	1313.1	2864.6	8801.3	19129.5	20044.3
65°	592.0	592.0	595.1	608.9	648.9	836.5	1808.2	7088.4	20705.5	23911.4
67.5°	552.0	553.5	552.0	556.6	579.7	618.1	1048.7	4895.8	21554.3	27918.5
70°	510.5	513.6	505.9	505.9	524.3	525.9	656.6	2684.7	20850.0	31276.6
72.5°	461.3	465.9	453.6	450.5	464.4	458.2	493.6	1288.5	17900.9	32279.1
75°	418.2	424.4	396.7	389.0	389.0	384.4	401.3	661.2	11618.2	26331.6
77.5°	379.8	392.1	347.5	322.9	316.7	302.9	327.5	404.4	5081.8	12362.4
80°	313.7	330.6	286.0	256.8	246.0	230.6	258.3	282.9	1511.5	2870.7
82.5°	233.7	241.4	203.0	183.0	173.8	163.0	193.7	196.8	492.0	1016.4
85°	149.1	152.2	124.5	107.6	103.0	98.4	123.0	107.6	187.6	747.3
87.5°	52.3	60.0	47.7	43.1	46.1	38.4	56.9	32.3	52.3	527.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5406.2
5409.3
5444.7
5481.6
5495.4
5507.7
5538.5
5606.1
5709.2
5819.9
5955.2
6116.6
6236.6
6370.3
6593.3
6894.7
7348.3
7628.1
7791.1
8273.9
8988.9
10057.5
11521.3
13397.2
15819.0
18806.6
22346.1
26228.6
30832.2
33447.7
28164.5
12105.6
2749.3
1148.6
1085.6
653.5
0.0

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