

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: P849724

Luminaire Tested: **GLAN-SB6D-927-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849724
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-SB6D-927-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 39312 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

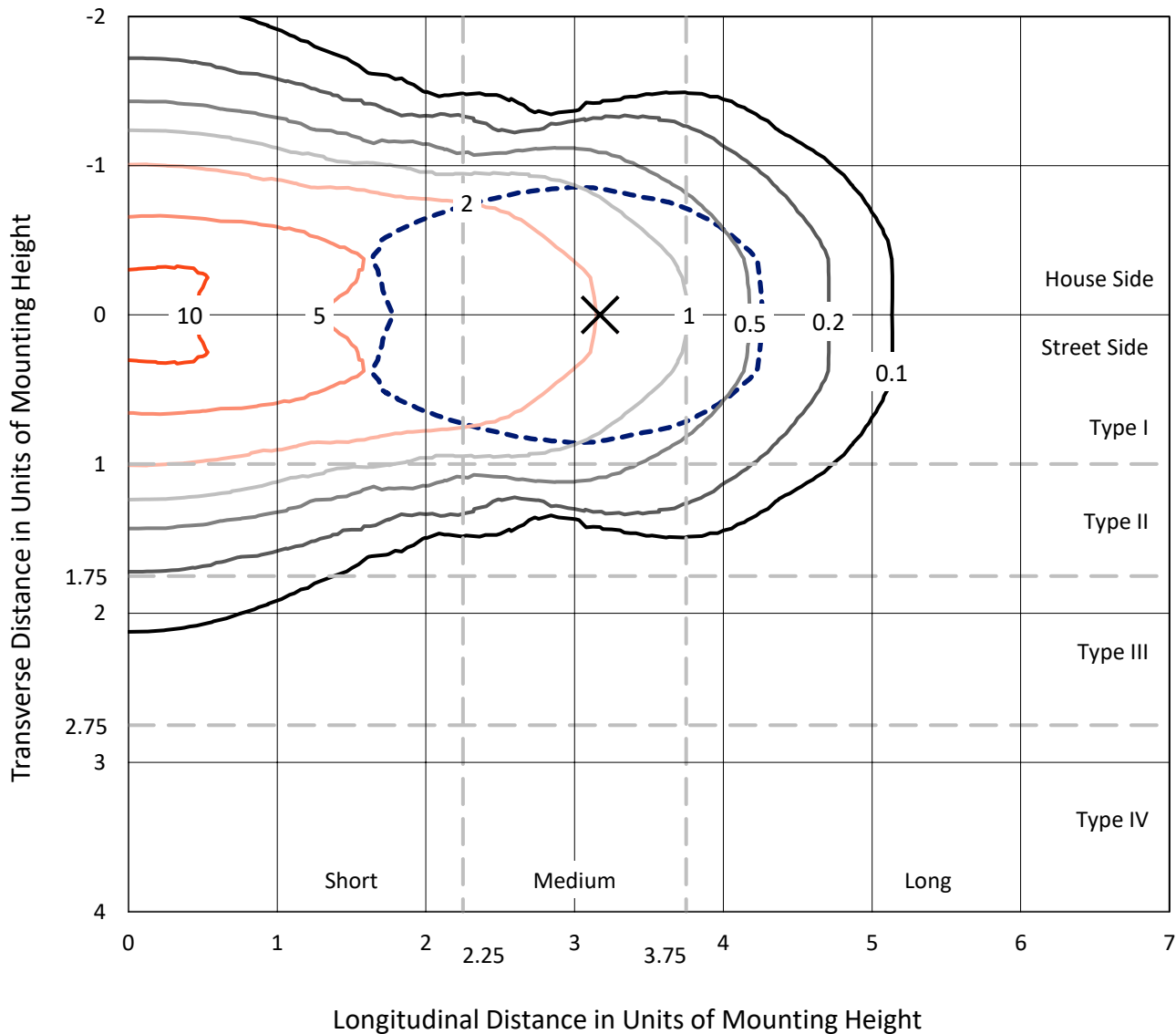
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

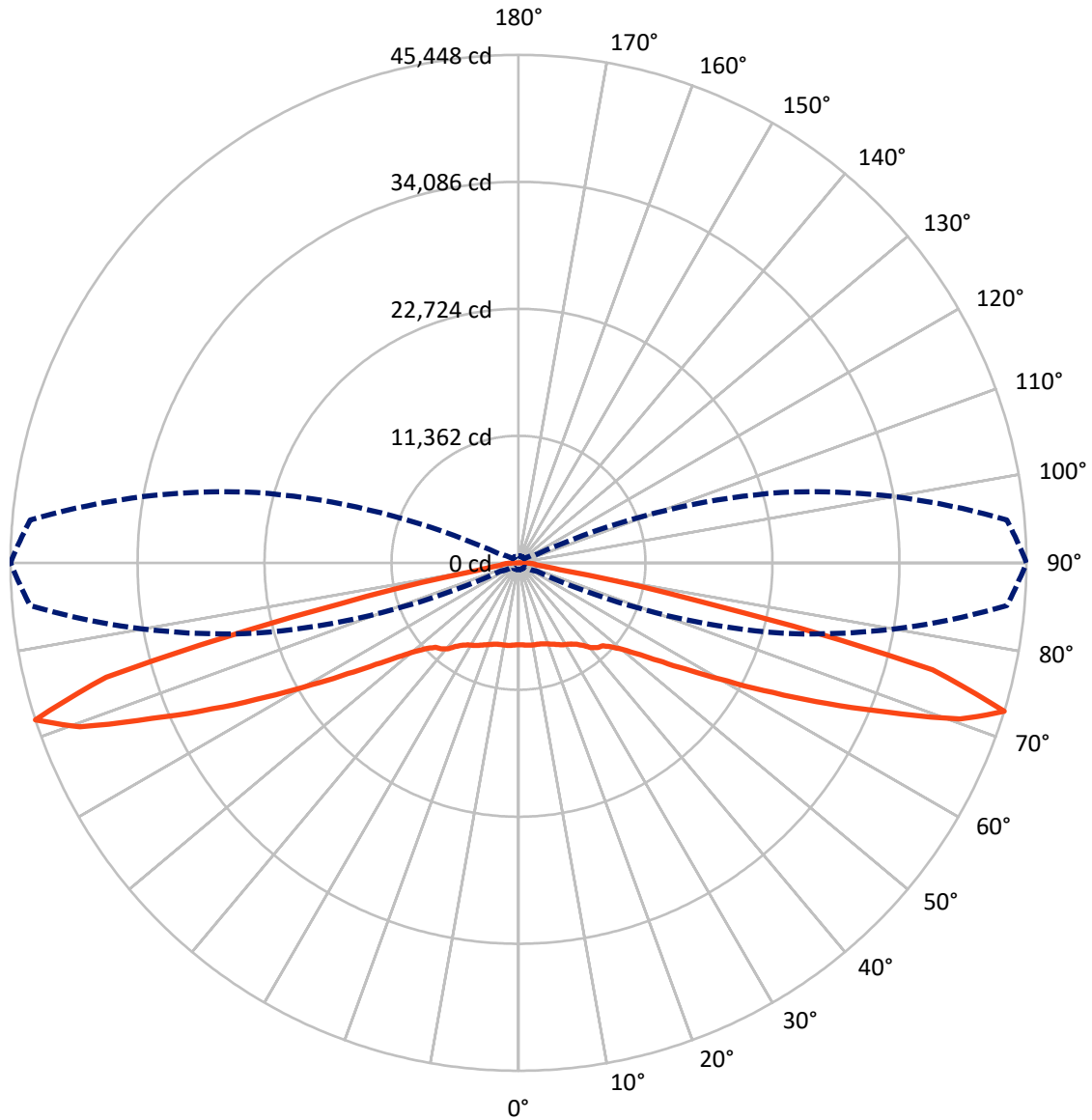
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.8 fc
 Type I - Short - N/A

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CATALOG NUMBER: GLAN-SB6D-927-U-T1

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	19656.0	0.0	19656.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19656.0	0.0	19656.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	39312.0	0.0	39312.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	712.3	1.8
10°-20°	2177.8	5.5
20°-30°	3631.3	9.2
30°-40°	4994.2	12.7
40°-50°	6099.3	15.5
50°-60°	7054.5	17.9
60°-70°	8411.3	21.4
70°-80°	5870.6	14.9
80°-90°	360.6	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°	39312.0	100.0
0°-180°	39312.0	100.0

Coefficient of Utilization



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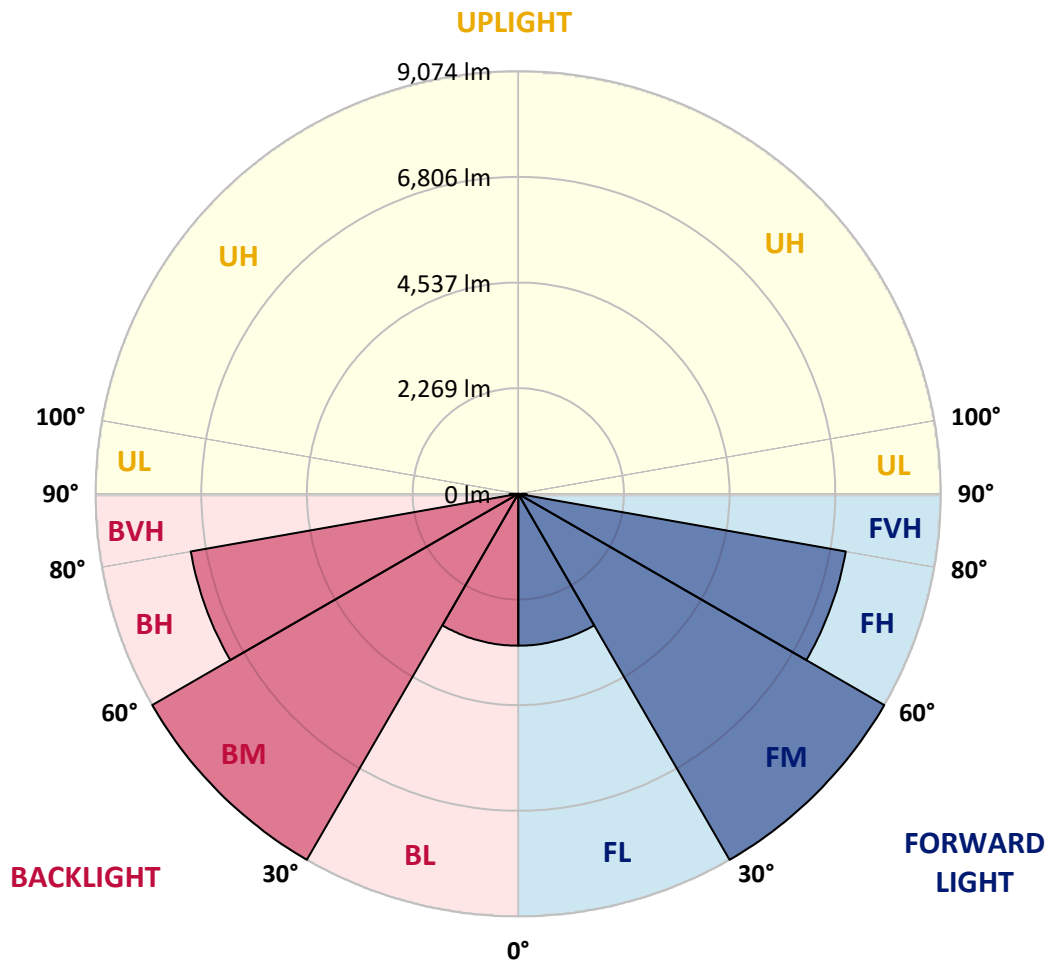
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3260.7	8.3			
FM (30°-60°)	9074.0	23.1			
FH (60°-80°)	7141.0	18.2			G3/7500
FVH (80°-90°)	180.3	0.5			G2/225
BL (0°-30°)	3260.7	8.3	B4/5000		
BM (30°-60°)	9074.0	23.1	B5		
BH (60°-80°)	7141.0	18.2	B5		G5
BVH (80°-90°)	180.3	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°	7345.9	7345.9	7345.9	7345.9	7345.9	7345.9	7345.9	7345.9	7345.9	7345.9
2.5°	7352.1	7360.5	7360.5	7354.2	7368.8	7356.3	7356.3	7350.0	7356.3	7350.0
5°	7389.7	7400.2	7404.4	7402.3	7421.1	7410.6	7410.6	7402.3	7404.4	7398.1
7.5°	7460.8	7475.4	7483.8	7494.2	7521.4	7508.8	7500.5	7475.4	7465.0	7448.2
10°	7483.8	7500.5	7527.6	7581.9	7644.6	7646.7	7621.6	7559.0	7510.9	7473.3
12.5°	7412.7	7435.7	7492.1	7602.8	7742.8	7799.2	7759.5	7655.1	7561.1	7494.2
15°	7322.9	7348.0	7433.6	7600.8	7807.6	7939.2	7935.0	7797.1	7646.7	7542.3
17.5°	7182.9	7208.0	7331.2	7565.2	7857.7	8075.0	8133.5	7991.4	7780.4	7640.4
20°	6930.1	6953.1	7124.4	7452.4	7874.4	8219.2	8371.7	8246.3	7983.1	7793.0
22.5°	6602.1	6637.6	6838.2	7258.1	7834.8	8369.6	8643.3	8557.6	8219.2	7955.9
25°	6251.1	6288.7	6522.7	7019.9	7732.4	8478.2	8965.0	8910.7	8486.6	8158.6
27.5°	5948.1	5987.8	6242.7	6783.8	7573.6	8520.0	9282.6	9309.8	8810.4	8382.1
30°	5710.0	5747.6	6019.2	6593.7	7368.8	8478.2	9560.5	9748.5	9140.5	8576.4
32.5°	5448.8	5496.9	5783.1	6361.8	7126.5	8378.0	9802.8	10222.8	9522.9	8785.4
35°	5118.7	5162.6	5463.4	6044.2	6808.9	8217.1	10005.5	10749.3	10070.3	9102.9
37.5°	4717.6	4759.3	5058.1	5647.3	6493.4	7991.4	10160.1	11342.6	10722.1	9560.5
40°	4314.3	4354.0	4634.0	5204.4	6115.3	7703.1	10214.4	11923.4	11470.1	10189.4
42.5°	3944.5	3980.1	4237.0	4767.7	5691.2	7335.4	10143.4	12429.0	12140.7	10628.1
45°	3604.0	3635.3	3863.1	4358.2	5250.3	6888.3	9930.3	12972.3	12938.8	10941.5
47.5°	3215.4	3246.7	3482.8	3961.2	4809.5	6363.9	9568.8	13507.1	14048.2	11651.8
50°	2741.1	2768.3	3010.6	3503.7	4351.9	5806.1	9067.4	13927.1	15448.0	12727.8
52.5°	2179.1	2208.4	2444.4	2937.5	3808.7	5206.5	8407.2	14200.7	17065.1	14298.9
55°	1621.3	1642.2	1846.9	2289.8	3136.0	4523.3	7579.9	14278.0	18899.5	16446.7
57.5°	1176.3	1188.8	1320.4	1650.5	2377.6	3668.8	6574.9	14077.5	21082.8	19200.4
60°	952.7	956.9	996.6	1142.8	1652.6	2703.5	5361.1	13388.0	23452.0	22750.0
62.5°	865.0	865.0	875.4	915.1	1117.8	1784.2	3892.3	11959.0	25992.6	27235.7
65°	804.4	804.4	808.5	827.3	881.7	1136.6	2457.0	9631.5	28134.1	32490.2
67.5°	750.0	752.1	750.0	756.3	787.7	839.9	1424.9	6652.2	29287.3	37934.8
70°	693.6	697.8	687.4	687.4	712.4	714.5	892.1	3647.9	28330.5	42497.8
72.5°	626.8	633.0	616.3	612.2	631.0	622.6	670.7	1750.8	24323.2	43860.0
75°	568.3	576.6	539.0	528.6	528.6	522.3	545.3	898.4	15786.5	35778.7
77.5°	516.0	532.8	472.2	438.7	430.4	411.6	445.0	549.5	6905.0	16797.7
80°	426.2	449.2	388.6	348.9	334.3	313.4	351.0	384.4	2053.7	3900.7
82.5°	317.6	328.0	275.8	248.6	236.1	221.5	263.2	267.4	668.6	1381.0
85°	202.7	206.8	169.2	146.2	140.0	133.7	167.1	146.2	254.9	1015.4
87.5°	71.0	81.5	64.8	58.5	62.7	52.2	77.3	43.9	71.0	716.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

7345.9
7350.0
7398.1
7448.2
7467.0
7483.8
7525.5
7617.5
7757.4
7907.9
8091.7
8311.1
8474.1
8655.8
8958.8
9368.3
9984.6
10364.9
10586.3
11242.3
12213.9
13665.9
15654.9
18203.8
21494.4
25553.8
30363.3
35638.7
41894.0
45447.8
38269.1
16448.8
3735.6
1560.7
1475.0
887.9
0.0

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