

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: P849164

Luminaire Tested: **GLAN-SB6A-827-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849164
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-SB6A-827-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21456 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

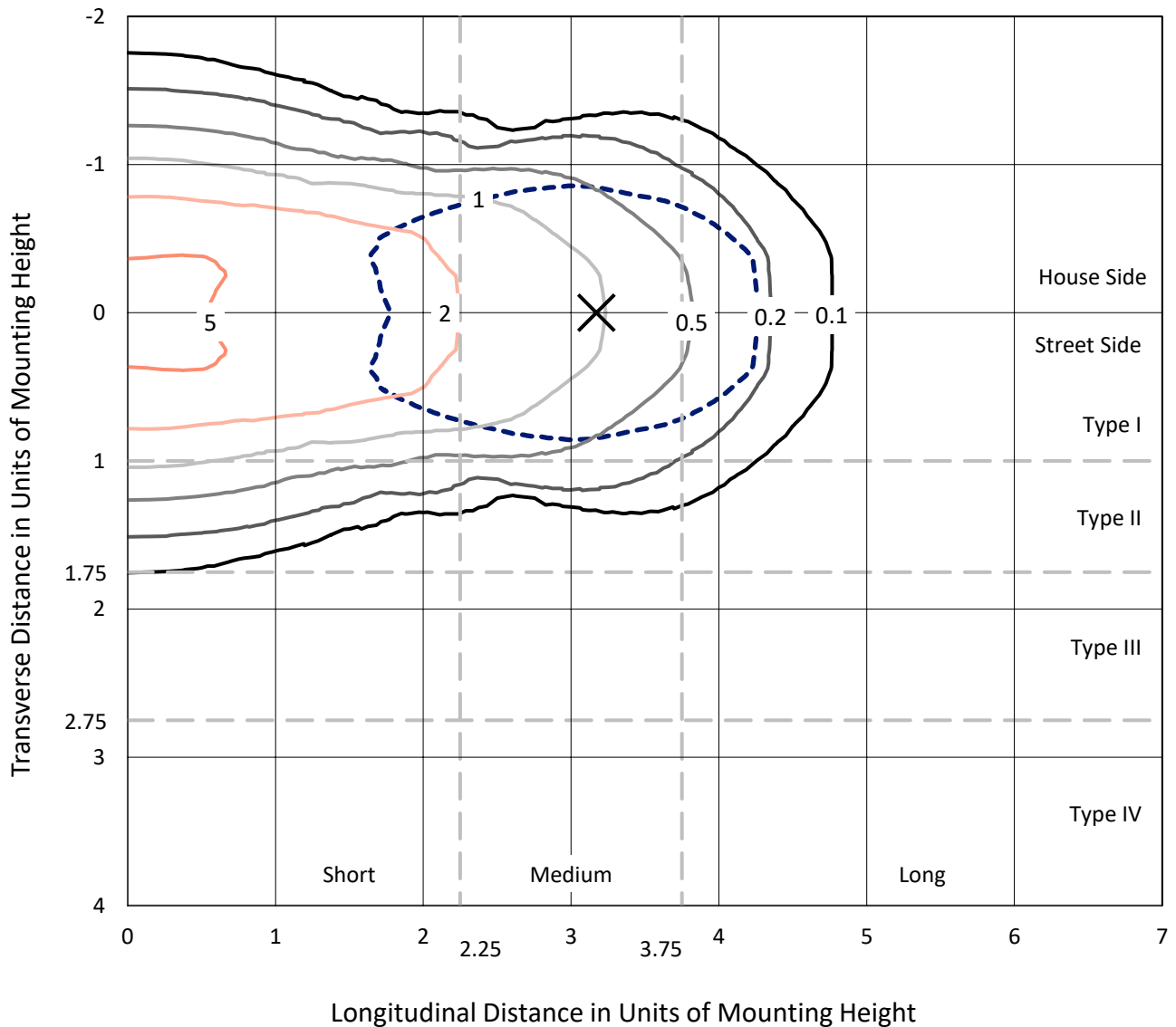
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

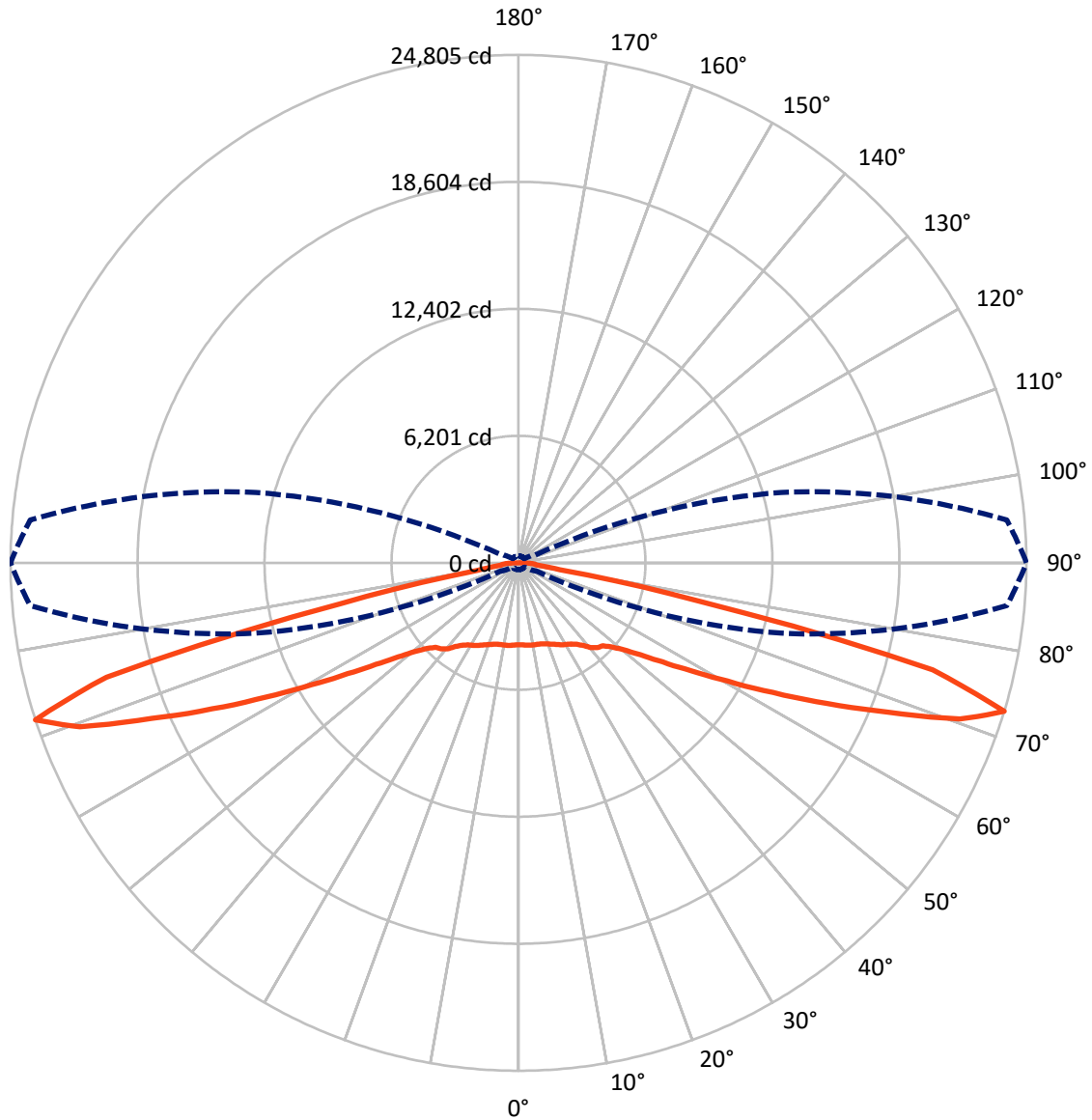
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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
House Side	Lumens	10728.0	0.0	10728.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10728.0	0.0	10728.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	21456.0	0.0	21456.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	388.7	1.8
10°-20°	1188.6	5.5
20°-30°	1981.9	9.2
30°-40°	2725.8	12.7
40°-50°	3328.9	15.5
50°-60°	3850.3	17.9
60°-70°	4590.8	21.4
70°-80°	3204.1	14.9
80°-90°	196.8	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°	21456.0	100.0
0°-180°	21456.0	100.0

Coefficient of Utilization

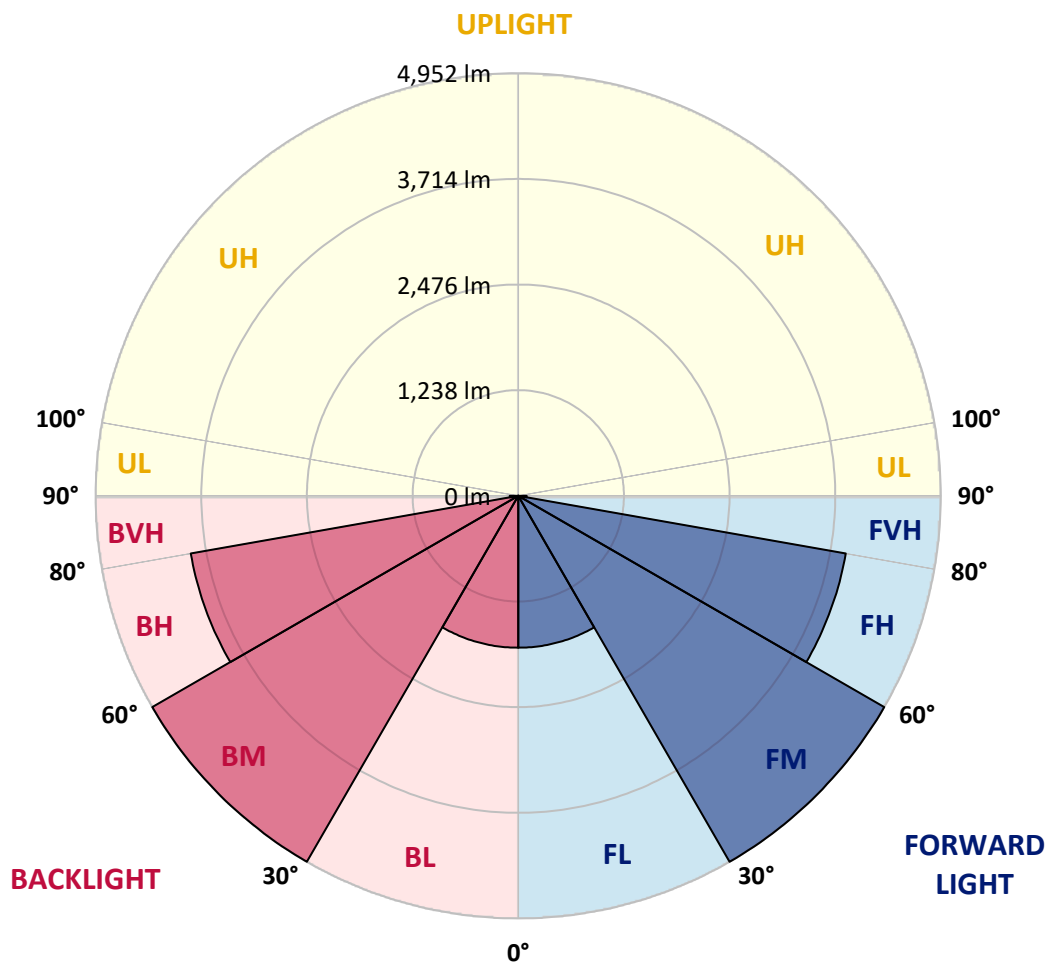


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1779.7	8.3			
FM (30°-60°)	4952.5	23.1			
FH (60°-80°)	3897.4	18.2			G2/5000
FVH (80°-90°)	98.4	0.5			G1/100
BL (0°-30°)	1779.7	8.3	B3/2500		
BM (30°-60°)	4952.5	23.1	B3/5000		
BH (60°-80°)	3897.4	18.2	B4/5000		G4/5000
BVH (80°-90°)	98.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4009.3	4009.3	4009.3	4009.3	4009.3	4009.3	4009.3	4009.3	4009.3	4009.3
2.5°	4012.7	4017.3	4017.3	4013.8	4021.8	4015.0	4015.0	4011.6	4015.0	4011.6
5°	4033.2	4038.9	4041.2	4040.1	4050.3	4044.6	4044.6	4040.1	4041.2	4037.8
7.5°	4072.0	4080.0	4084.5	4090.2	4105.1	4098.2	4093.7	4080.0	4074.3	4065.2
10°	4084.5	4093.7	4108.5	4138.1	4172.3	4173.5	4159.8	4125.6	4099.4	4078.8
12.5°	4045.8	4058.3	4089.1	4149.5	4225.9	4256.7	4235.1	4178.0	4126.7	4090.2
15°	3996.7	4010.4	4057.2	4148.4	4261.3	4333.1	4330.8	4255.6	4173.5	4116.5
17.5°	3920.3	3934.0	4001.3	4129.0	4288.7	4407.2	4439.2	4361.6	4246.5	4170.1
20°	3782.4	3794.9	3888.4	4067.4	4297.8	4485.9	4569.2	4500.7	4357.1	4253.3
22.5°	3603.3	3622.7	3732.2	3961.4	4276.1	4568.0	4717.4	4670.7	4485.9	4342.2
25°	3411.8	3432.3	3560.0	3831.4	4220.2	4627.3	4893.0	4863.4	4631.9	4452.9
27.5°	3246.4	3268.1	3407.2	3702.5	4133.6	4650.1	5066.3	5081.2	4808.6	4574.9
30°	3116.4	3137.0	3285.2	3598.8	4021.8	4627.3	5218.0	5320.6	4988.8	4680.9
32.5°	2973.9	3000.1	3156.3	3472.2	3889.5	4572.6	5350.3	5579.5	5197.5	4794.9
35°	2793.7	2817.7	2981.9	3298.9	3716.2	4484.8	5460.9	5866.8	5496.2	4968.3
37.5°	2574.8	2597.6	2760.7	3082.2	3544.0	4361.6	5545.3	6190.7	5852.0	5218.0
40°	2354.7	2376.4	2529.2	2840.5	3337.6	4204.3	5574.9	6507.7	6260.2	5561.2
42.5°	2152.9	2172.3	2312.5	2602.2	3106.2	4003.6	5536.1	6783.6	6626.3	5800.7
45°	1967.0	1984.1	2108.4	2378.7	2865.6	3759.6	5419.8	7080.1	7061.9	5971.7
47.5°	1754.9	1772.0	1900.9	2162.0	2625.0	3473.3	5222.6	7372.0	7667.3	6359.4
50°	1496.1	1510.9	1643.2	1912.3	2375.2	3168.9	4948.9	7601.2	8431.3	6946.7
52.5°	1189.3	1205.3	1334.1	1603.3	2078.8	2841.6	4588.6	7750.6	9313.9	7804.2
55°	884.9	896.3	1008.0	1249.8	1711.6	2468.7	4137.0	7792.8	10315.1	8976.4
57.5°	642.0	648.8	720.7	900.8	1297.7	2002.4	3588.5	7683.3	11506.7	10479.3
60°	520.0	522.3	543.9	623.7	902.0	1475.5	2926.0	7307.0	12799.8	12416.7
62.5°	472.1	472.1	477.8	499.4	610.1	973.8	2124.4	6527.1	14186.4	14864.9
65°	439.0	439.0	441.3	451.6	481.2	620.3	1341.0	5256.8	15355.2	17732.7
67.5°	409.4	410.5	409.4	412.8	429.9	458.4	777.7	3630.7	15984.7	20704.4
70°	378.6	380.9	375.2	375.2	388.8	390.0	486.9	1991.0	15462.4	23194.8
72.5°	342.1	345.5	336.4	334.1	344.4	339.8	366.0	955.6	13275.3	23938.2
75°	310.2	314.7	294.2	288.5	288.5	285.1	297.6	490.3	8616.1	19527.6
77.5°	281.7	290.8	257.7	239.5	234.9	224.6	242.9	299.9	3768.7	9168.0
80°	232.6	245.2	212.1	190.4	182.4	171.0	191.6	209.8	1120.9	2128.9
82.5°	173.3	179.0	150.5	135.7	128.9	120.9	143.7	146.0	364.9	753.7
85°	110.6	112.9	92.4	79.8	76.4	73.0	91.2	79.8	139.1	554.2
87.5°	38.8	44.5	35.3	31.9	34.2	28.5	42.2	23.9	38.8	391.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4009.3
4011.6
4037.8
4065.2
4075.4
4084.5
4107.3
4157.5
4233.9
4316.0
4416.4
4536.1
4625.0
4724.2
4889.6
5113.1
5449.5
5657.0
5777.9
6135.9
6666.2
7458.7
8544.2
9935.4
11731.4
13947.0
16571.9
19451.2
22865.2
24804.9
20886.8
8977.5
2038.8
851.8
805.0
484.6
0.0

OF REPORT)