

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: P848921

Luminaire Tested: **GLAN-SB5D-722-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848921
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5D-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40659 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

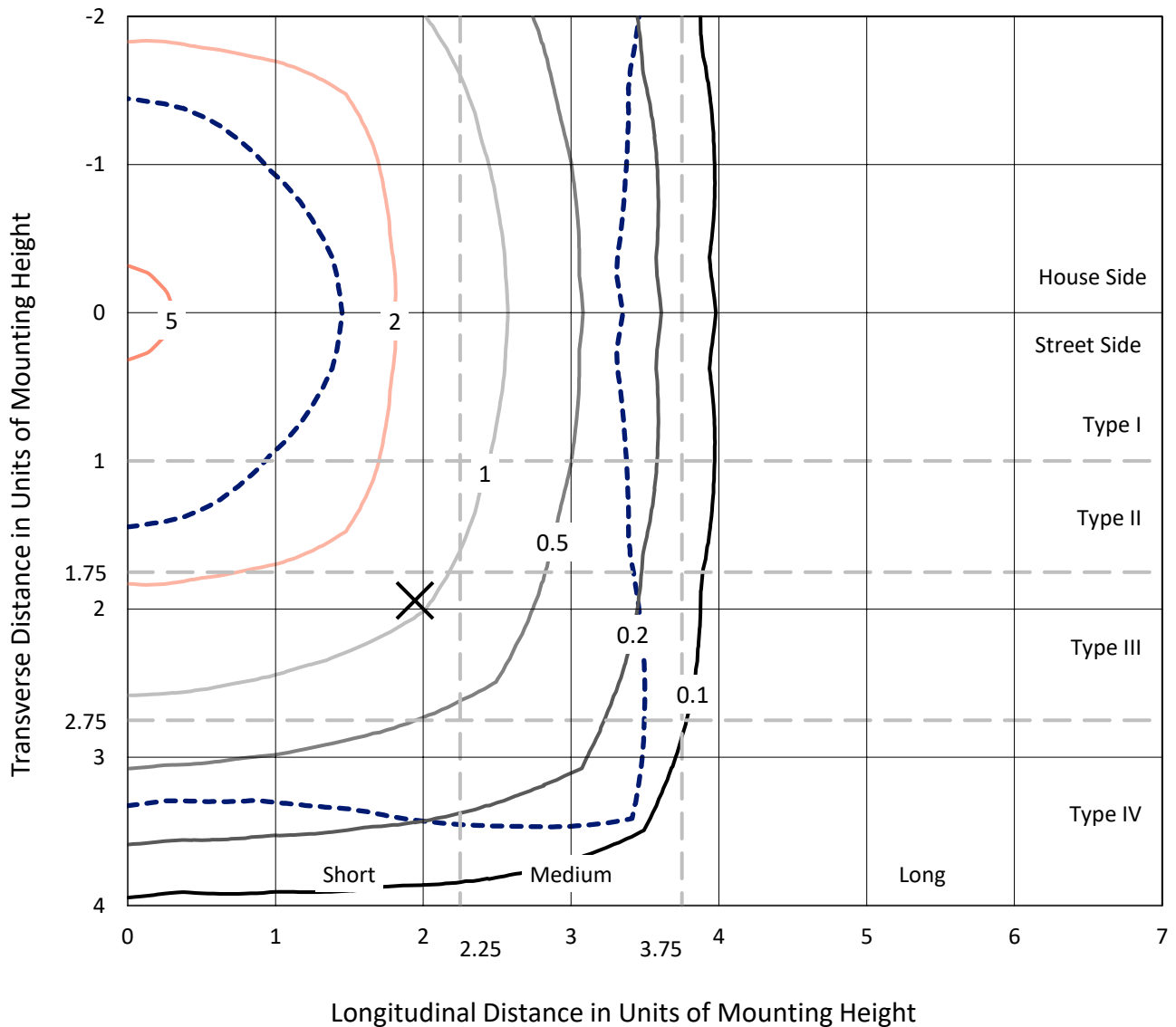
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

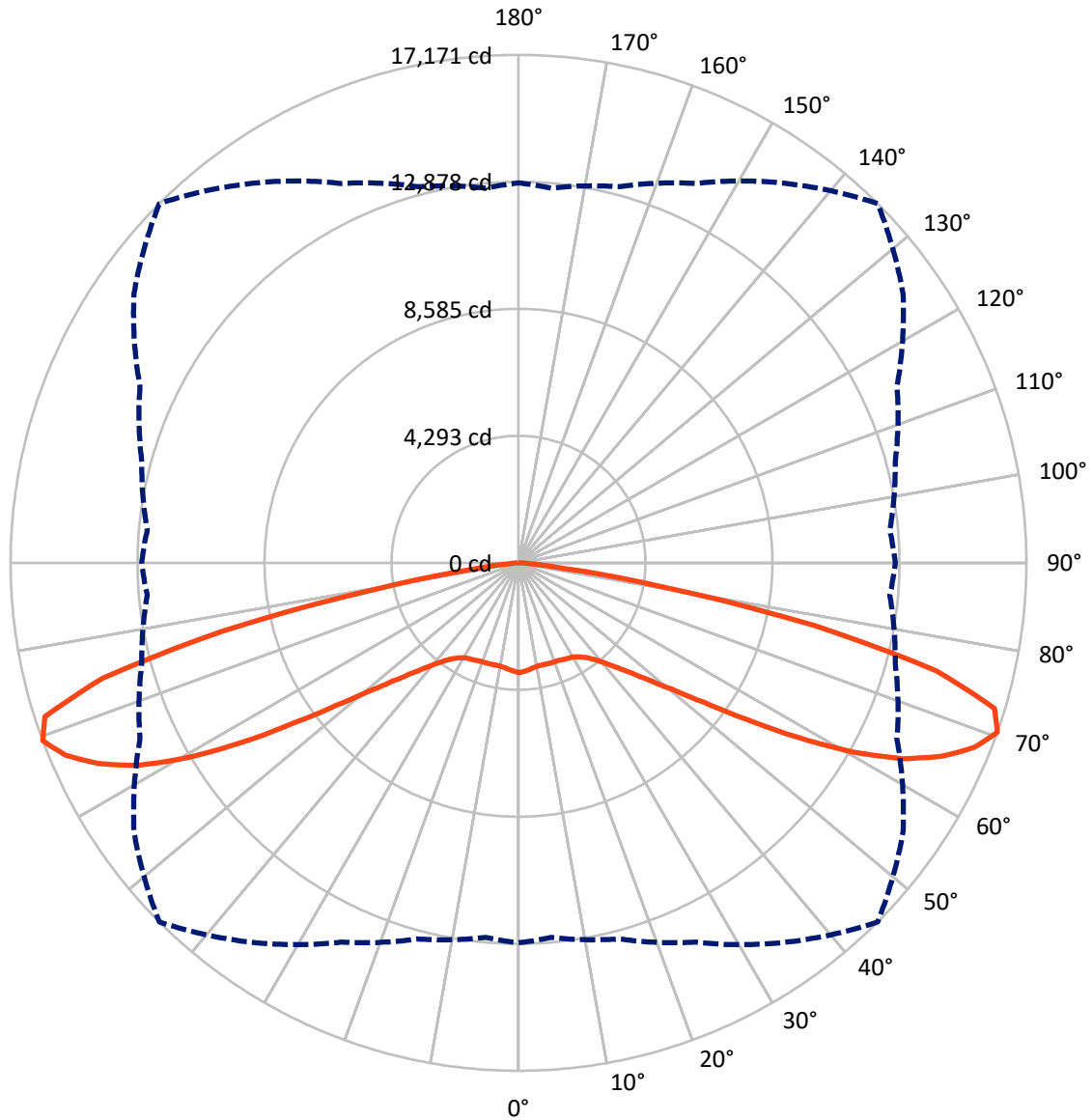
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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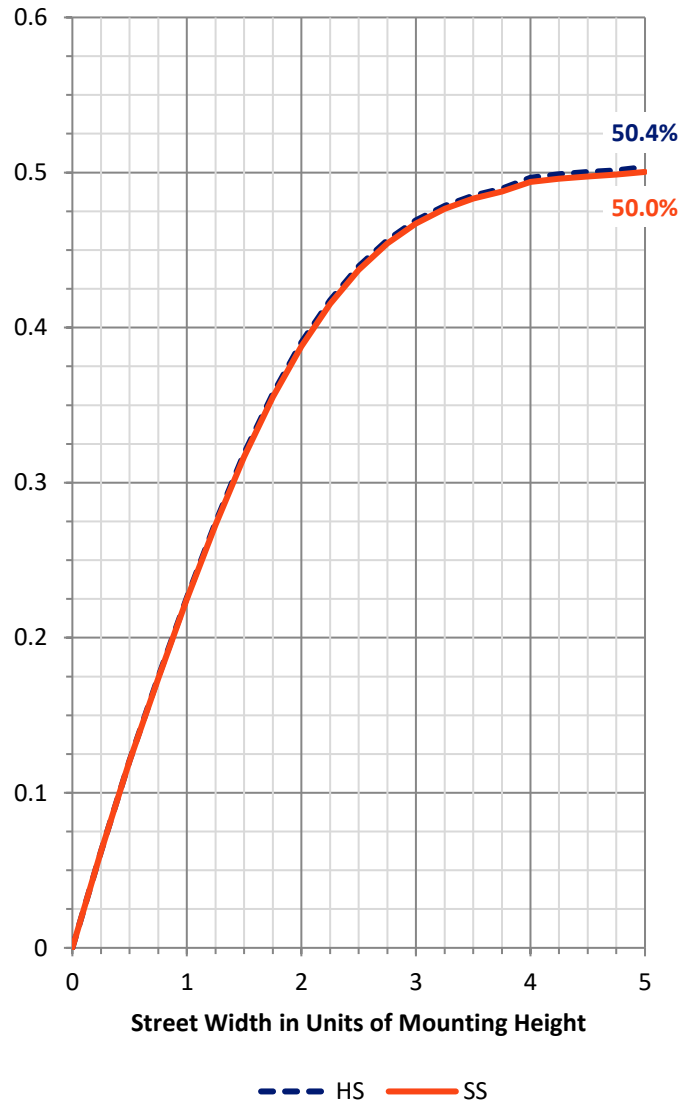
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20329.5	0.0	20329.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20329.5	0.0	20329.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	40659.0	0.0	40659.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.0	0.8
10°-20°	1013.1	2.5
20°-30°	1685.9	4.1
30°-40°	2549.5	6.3
40°-50°	4236.7	10.4
50°-60°	7994.6	19.7
60°-70°	13499.1	33.2
70°-80°	8870.3	21.8
80°-90°	464.7	1.1
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°	40659.0	100.0
0°-180°	40659.0	100.0

Coefficient of Utilization

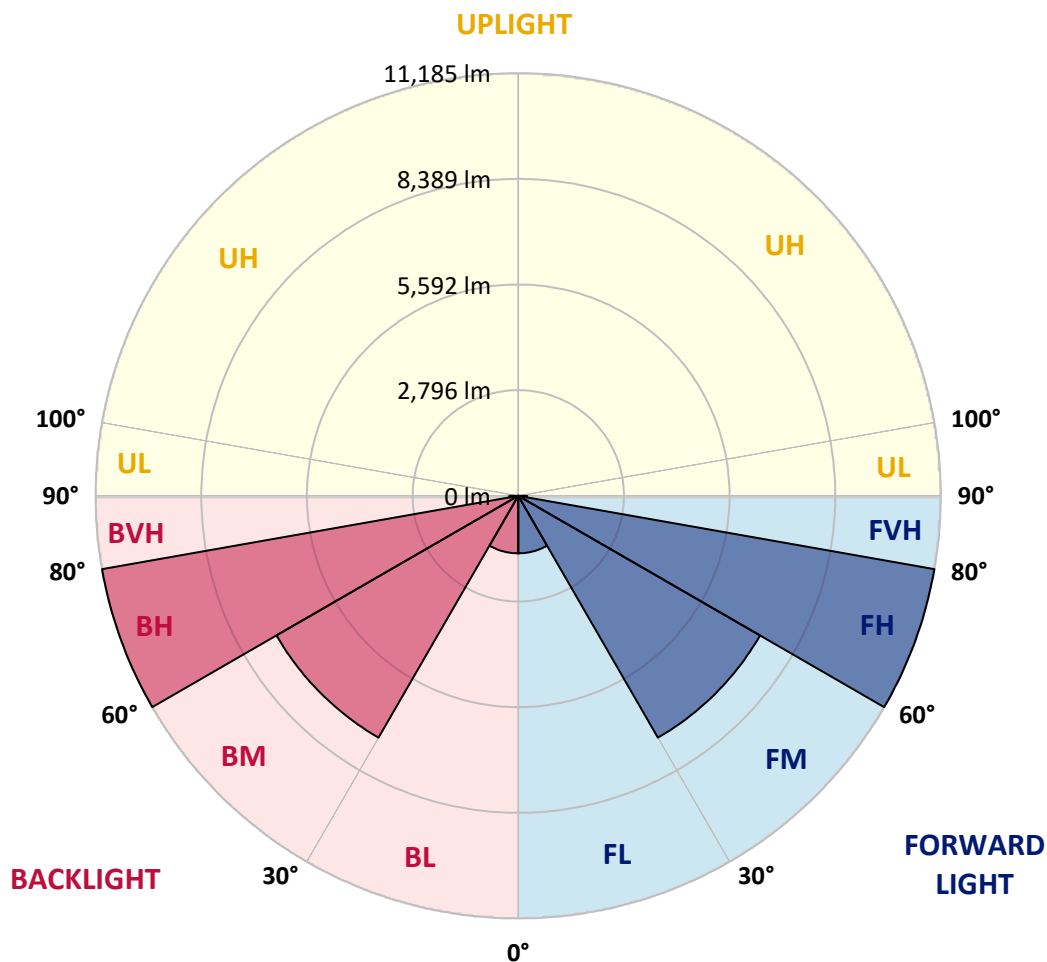


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1522.0	3.7			
FM (30°-60°)	7390.4	18.2			
FH (60°-80°)	11184.7	27.5			G4/12000
FVH (80°-90°)	232.4	0.6			G3/500
BL (0°-30°)	1522.0	3.7	B3/2500		
BM (30°-60°)	7390.4	18.2	B4/8500		
BH (60°-80°)	11184.7	27.5	B5		G4/12000
BVH (80°-90°)	232.4	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4
 Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3708.9	3708.9	3708.9	3708.9	3708.9	3708.9	3708.9	3708.9	3708.9	3708.9
2.5°	3685.7	3696.2	3692.0	3683.6	3683.6	3677.2	3683.6	3687.8	3694.1	3698.4
5°	3637.1	3645.5	3643.4	3637.1	3639.2	3632.8	3637.1	3643.4	3647.6	3649.7
7.5°	3594.8	3603.3	3599.0	3588.5	3588.5	3582.1	3584.2	3590.6	3596.9	3599.0
10°	3584.2	3592.7	3580.0	3563.1	3556.8	3548.3	3550.4	3556.8	3569.4	3575.8
12.5°	3588.5	3594.8	3582.1	3556.8	3550.4	3542.0	3542.0	3548.3	3565.2	3573.7
15°	3601.1	3607.5	3588.5	3561.0	3554.6	3548.3	3546.2	3554.6	3573.7	3588.5
17.5°	3624.4	3630.7	3601.1	3563.1	3554.6	3556.8	3554.6	3561.0	3590.6	3618.0
20°	3645.5	3649.7	3609.6	3563.1	3554.6	3556.8	3554.6	3567.3	3605.4	3643.4
22.5°	3651.9	3656.1	3618.0	3577.9	3571.6	3573.7	3571.6	3584.2	3620.2	3658.2
25°	3654.0	3660.3	3630.7	3599.0	3609.6	3613.8	3609.6	3611.7	3639.2	3673.0
27.5°	3685.7	3694.1	3666.7	3639.2	3645.5	3643.4	3649.7	3656.1	3677.2	3711.0
30°	3751.2	3757.5	3734.3	3706.8	3702.6	3687.8	3706.8	3727.9	3751.2	3780.8
32.5°	3859.0	3871.6	3842.1	3812.5	3793.5	3785.0	3799.8	3835.7	3867.4	3899.1
35°	4038.6	4047.1	4019.6	3964.6	3930.8	3930.8	3943.5	3990.0	4040.7	4080.9
37.5°	4292.2	4302.8	4254.2	4188.6	4137.9	4137.9	4154.8	4203.4	4279.5	4336.6
40°	4600.8	4615.5	4554.3	4486.6	4438.0	4429.6	4450.7	4505.7	4577.5	4649.4
42.5°	4972.7	4989.6	4909.3	4850.1	4812.1	4812.1	4822.7	4873.4	4938.9	5027.6
45°	5448.2	5477.8	5367.9	5308.7	5272.8	5281.2	5287.6	5332.0	5391.1	5492.6
47.5°	6014.6	6044.2	5927.9	5866.6	5860.3	5900.5	5875.1	5906.8	5938.5	6054.7
50°	6657.0	6707.8	6627.4	6623.2	6635.9	6709.9	6650.7	6667.6	6631.7	6705.6
52.5°	7443.2	7517.2	7502.4	7527.7	7669.3	7821.5	7686.2	7627.1	7491.8	7515.1
55°	8396.3	8508.3	8529.5	8681.6	9002.8	9313.5	9026.1	8787.3	8499.9	8447.0
57.5°	9480.5	9569.2	9670.7	9981.3	10581.5	11133.1	10581.5	10053.2	9600.9	9493.1
60°	10647.0	10756.9	10854.1	11312.7	12204.6	12980.2	12187.7	11348.7	10750.6	10604.8
62.5°	11900.2	12041.8	12109.5	12618.8	13658.5	14584.2	13673.3	12656.8	11993.2	11836.8
65°	13102.7	13219.0	13295.0	13838.2	14831.5	15759.2	14899.1	13897.4	13214.7	13009.7
67.5°	13662.8	13726.2	13912.1	14527.1	15575.3	16634.1	15752.9	14592.6	13829.7	13470.5
70°	12842.8	12713.9	13161.9	14146.7	15664.1	17170.9	15867.0	14117.1	13183.0	12599.8
72.5°	9924.3	9702.4	10480.1	12164.4	14649.7	16828.6	14751.1	12259.5	10964.0	9780.6
75°	5399.6	5148.1	6221.7	8351.9	11682.6	14586.3	11951.0	8590.7	6927.5	5359.4
77.5°	1523.7	1428.6	2295.1	4040.7	7026.9	10241.3	7297.4	4129.5	2722.0	1614.6
80°	467.0	452.3	612.9	1217.3	2984.0	4905.1	2867.8	1232.1	779.8	492.4
82.5°	276.8	253.6	304.3	443.8	760.8	1540.6	739.7	462.8	371.9	249.4
85°	158.5	147.9	179.6	215.6	255.7	327.6	213.4	219.8	198.7	133.1
87.5°	65.5	59.2	69.7	67.6	59.2	76.1	57.1	67.6	80.3	52.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3708.9
3696.2
3649.7
3599.0
3575.8
3575.8
3590.6
3618.0
3645.5
3658.2
3670.9
3702.6
3774.4
3886.4
4066.1
4315.4
4626.1
5021.3
5488.4
6020.9
6661.3
7436.9
8364.6
9417.1
10478.0
11710.0
12908.3
13474.7
12739.2
10074.3
5708.1
1794.2
519.9
270.5
139.5
48.6
0.0

OF REPORT)