

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: P850921

Luminaire Tested: **GLAN-SB8C-930-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850921
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-SB8C-930-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41326 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

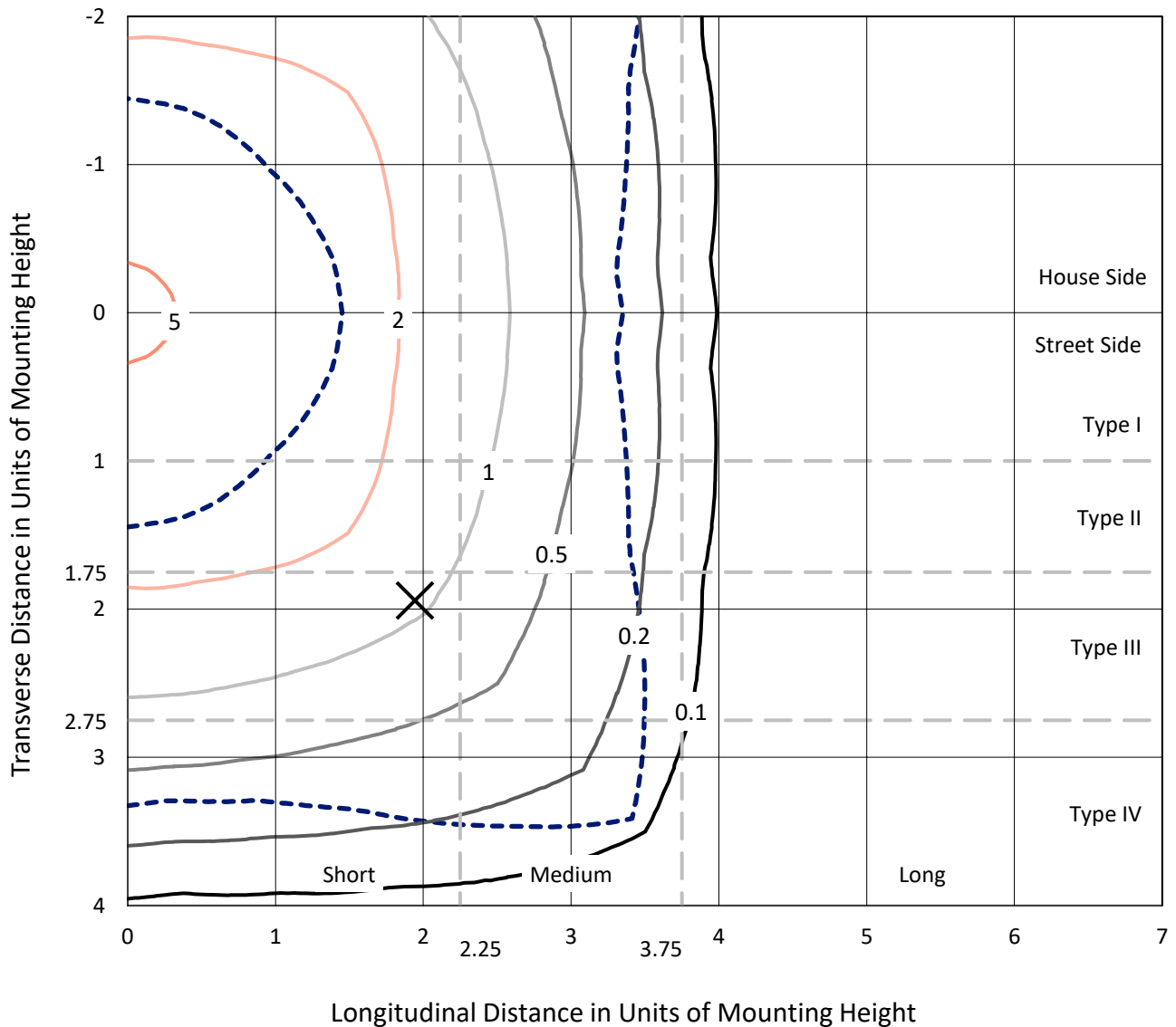
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

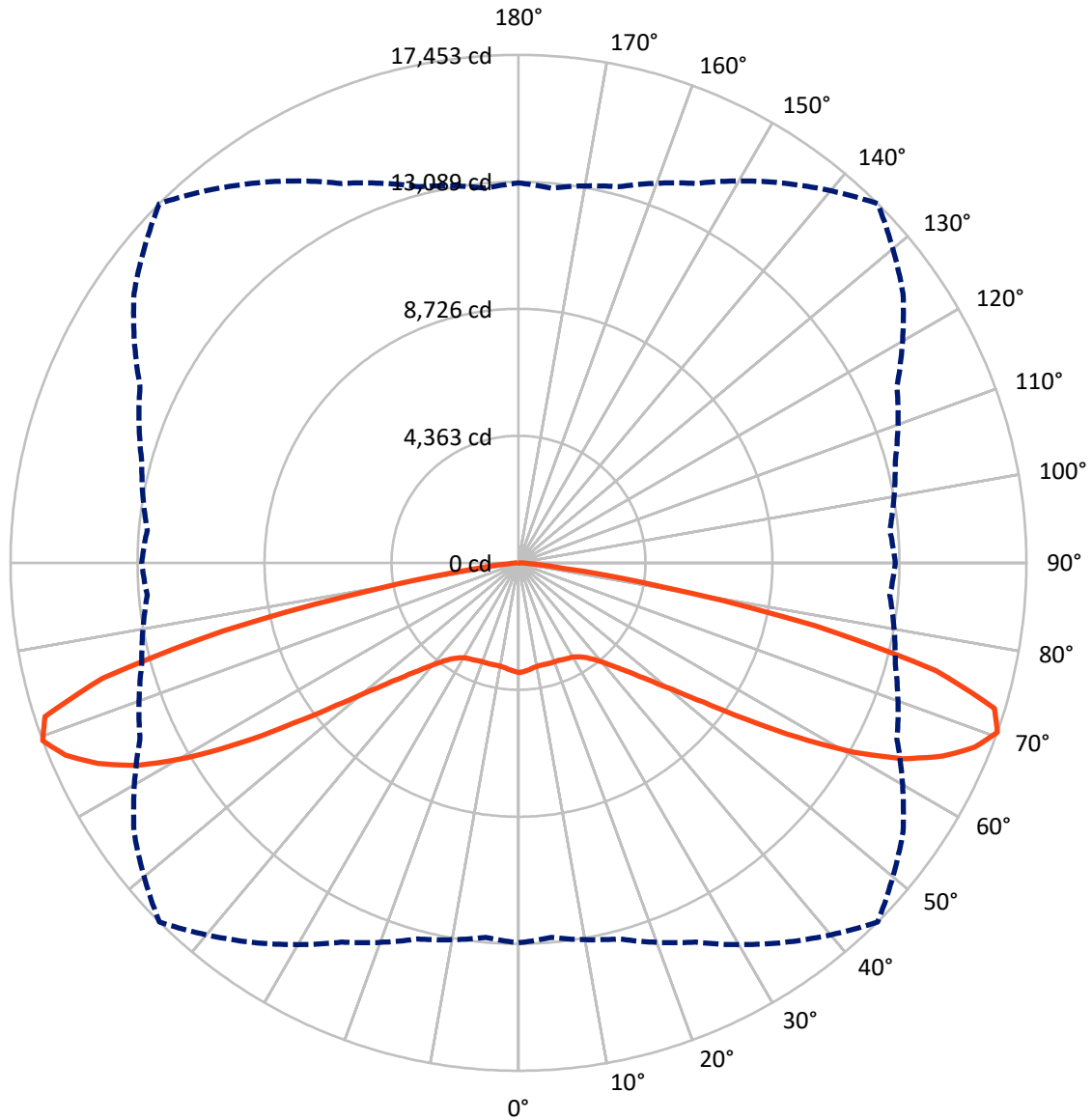
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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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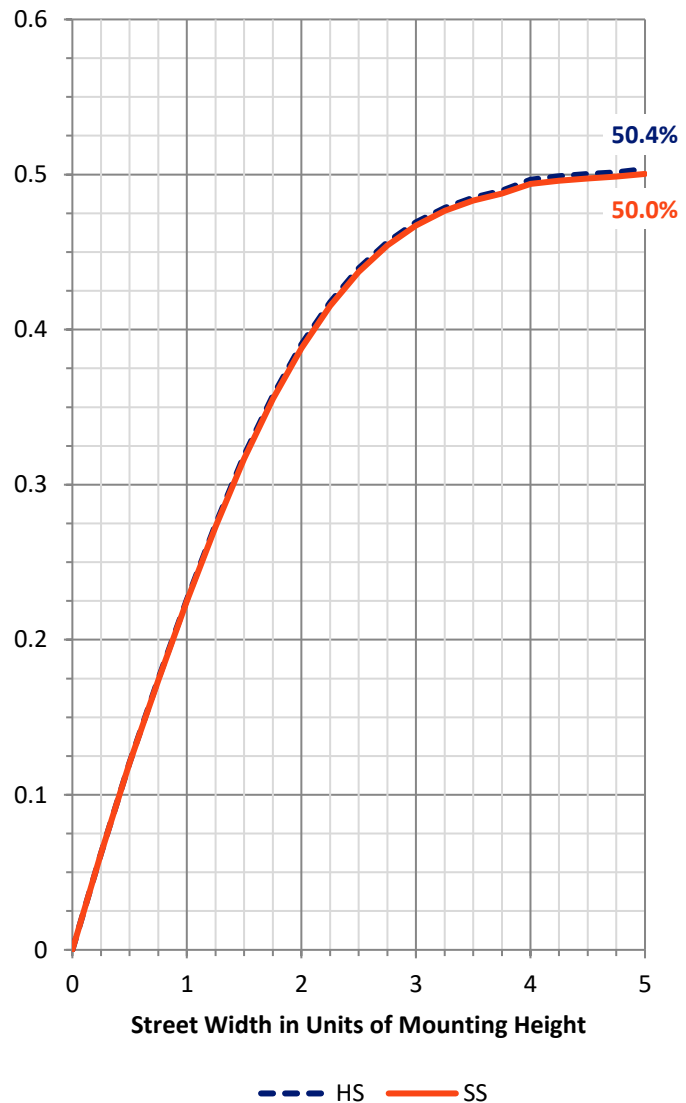
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20663.0	0.0	20663.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20663.0	0.0	20663.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	41326.0	0.0	41326.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.7	0.8
10°-20°	1029.7	2.5
20°-30°	1713.5	4.1
30°-40°	2591.4	6.3
40°-50°	4306.2	10.4
50°-60°	8125.7	19.7
60°-70°	13720.6	33.2
70°-80°	9015.9	21.8
80°-90°	472.3	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°	41326.0	100.0
0°-180°	41326.0	100.0

Coefficient of Utilization

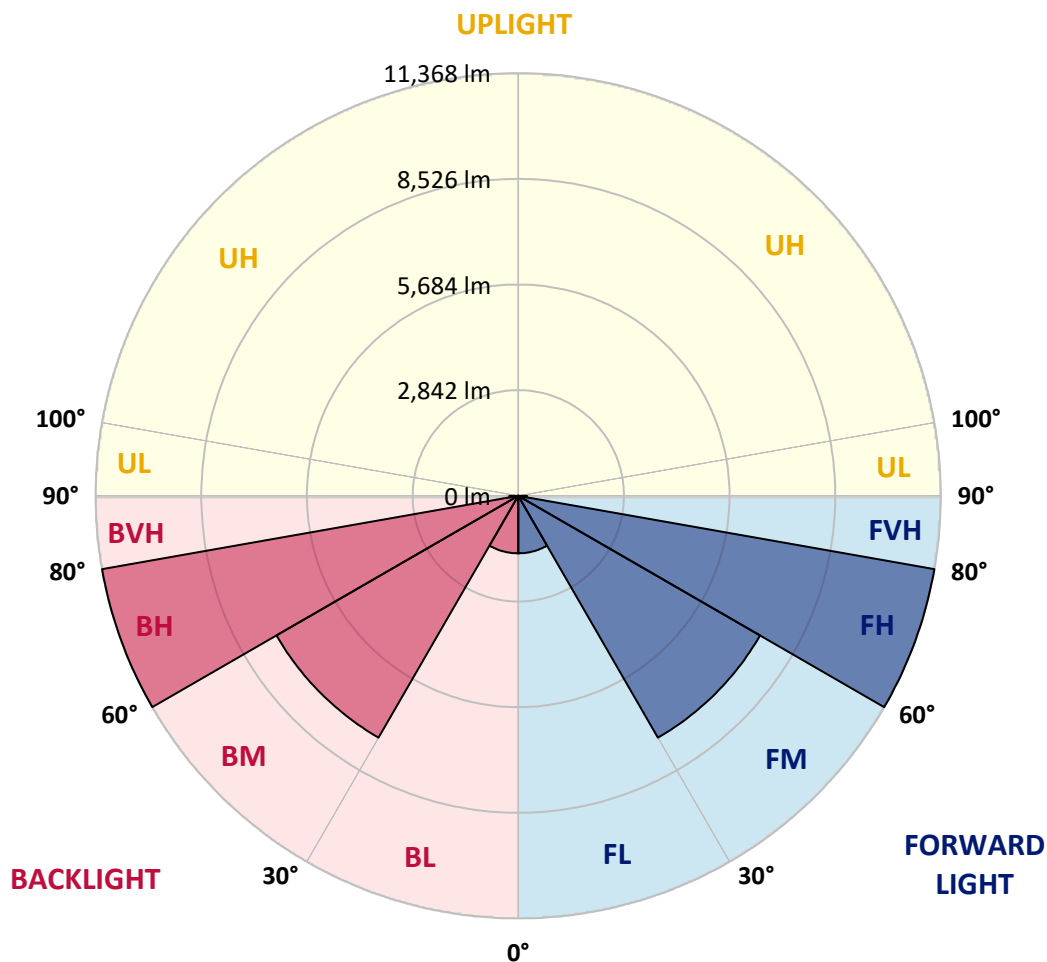


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1546.9	3.7			
FM (30°-60°)	7511.7	18.2			
FH (60°-80°)	11368.2	27.5			G4/12000
FVH (80°-90°)	236.2	0.6			G3/500
BL (0°-30°)	1546.9	3.7	B3/2500		
BM (30°-60°)	7511.7	18.2	B4/8500		
BH (60°-80°)	11368.2	27.5	B5		G4/12000
BVH (80°-90°)	236.2	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°	3769.8	3769.8	3769.8	3769.8	3769.8	3769.8	3769.8	3769.8	3769.8	3769.8
2.5°	3746.1	3756.9	3752.6	3744.0	3744.0	3737.5	3744.0	3748.3	3754.7	3759.0
5°	3696.7	3705.3	3703.2	3696.7	3698.9	3692.4	3696.7	3703.2	3707.5	3709.6
7.5°	3653.8	3662.4	3658.1	3647.3	3647.3	3640.9	3643.0	3649.5	3655.9	3658.1
10°	3643.0	3651.6	3638.7	3621.6	3615.1	3606.5	3608.7	3615.1	3628.0	3634.4
12.5°	3647.3	3653.8	3640.9	3615.1	3608.7	3600.1	3600.1	3606.5	3623.7	3632.3
15°	3660.2	3666.7	3647.3	3619.4	3613.0	3606.5	3604.4	3613.0	3632.3	3647.3
17.5°	3683.8	3690.3	3660.2	3621.6	3613.0	3615.1	3613.0	3619.4	3649.5	3677.4
20°	3705.3	3709.6	3668.8	3621.6	3613.0	3615.1	3613.0	3625.8	3664.5	3703.2
22.5°	3711.8	3716.1	3677.4	3636.6	3630.1	3632.3	3630.1	3643.0	3679.5	3718.2
25°	3713.9	3720.4	3690.3	3658.1	3668.8	3673.1	3668.8	3671.0	3698.9	3733.2
27.5°	3746.1	3754.7	3726.8	3698.9	3705.3	3703.2	3709.6	3716.1	3737.5	3771.9
30°	3812.7	3819.2	3795.5	3767.6	3763.3	3748.3	3767.6	3789.1	3812.7	3842.8
32.5°	3922.3	3935.2	3905.1	3875.0	3855.7	3847.1	3862.1	3898.6	3930.9	3963.1
35°	4104.9	4113.4	4085.5	4029.7	3995.3	3995.3	4008.2	4055.4	4107.0	4147.8
37.5°	4362.6	4373.4	4324.0	4257.4	4205.8	4205.8	4223.0	4272.4	4349.7	4407.7
40°	4676.2	4691.3	4629.0	4560.2	4510.8	4502.2	4523.7	4579.6	4652.6	4725.6
42.5°	5054.3	5071.5	4989.8	4929.7	4891.0	4891.0	4901.8	4953.3	5019.9	5110.1
45°	5537.6	5567.7	5456.0	5395.8	5359.3	5367.9	5374.3	5419.4	5479.6	5582.7
47.5°	6113.2	6143.3	6025.2	5962.9	5956.4	5997.3	5971.5	6003.7	6035.9	6154.1
50°	6766.2	6817.8	6736.2	6731.9	6744.8	6819.9	6759.8	6777.0	6740.5	6815.6
52.5°	7565.3	7640.5	7625.4	7651.2	7795.1	7949.8	7812.3	7752.2	7614.7	7638.3
55°	8534.1	8647.9	8669.4	8824.0	9150.5	9466.3	9174.2	8931.4	8639.3	8585.6
57.5°	9636.0	9726.2	9829.3	10145.1	10755.1	11315.7	10755.1	10218.1	9758.4	9648.9
60°	10821.7	10933.4	11032.2	11498.3	12404.8	13193.1	12387.6	11534.8	10926.9	10778.7
62.5°	12095.5	12239.4	12308.1	12825.8	13882.6	14823.4	13897.6	12864.5	12190.0	12031.0
65°	13317.7	13435.8	13513.2	14065.2	15074.8	16017.7	15143.5	14125.3	13431.5	13223.2
67.5°	13886.9	13951.3	14140.4	14765.4	15830.9	16907.0	16011.3	14832.0	14056.6	13691.4
70°	13053.5	12922.4	13377.8	14378.8	15921.1	17452.6	16127.3	14348.7	13399.3	12806.5
72.5°	10087.1	9861.5	10652.0	12364.0	14890.0	17104.6	14993.1	12460.6	11143.9	9941.0
75°	5488.2	5232.6	6323.8	8488.9	11874.2	14825.6	12147.0	8731.7	7041.2	5447.4
77.5°	1548.7	1452.1	2332.7	4107.0	7142.1	10409.3	7417.1	4197.2	2766.6	1641.1
80°	474.7	459.7	622.9	1237.3	3033.0	4985.5	2914.9	1252.3	792.6	500.5
82.5°	281.4	257.8	309.3	451.1	773.3	1565.9	751.8	470.4	378.1	253.5
85°	161.1	150.4	182.6	219.1	259.9	332.9	216.9	223.4	201.9	135.3
87.5°	66.6	60.1	70.9	68.7	60.1	77.3	58.0	68.7	81.6	53.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3769.8
3756.9
3709.6
3658.1
3634.4
3634.4
3649.5
3677.4
3705.3
3718.2
3731.1
3763.3
3836.4
3950.2
4132.8
4386.2
4702.0
5103.7
5578.4
6119.7
6770.5
7558.9
8501.8
9571.5
10649.8
11902.1
13120.1
13695.7
12948.2
10239.6
5801.8
1823.7
528.4
274.9
141.8
49.4
0.0

OF REPORT)