

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: P849731

Luminaire Tested: **GLAN-SB6D-930-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849731
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-SB6D-930-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42110 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

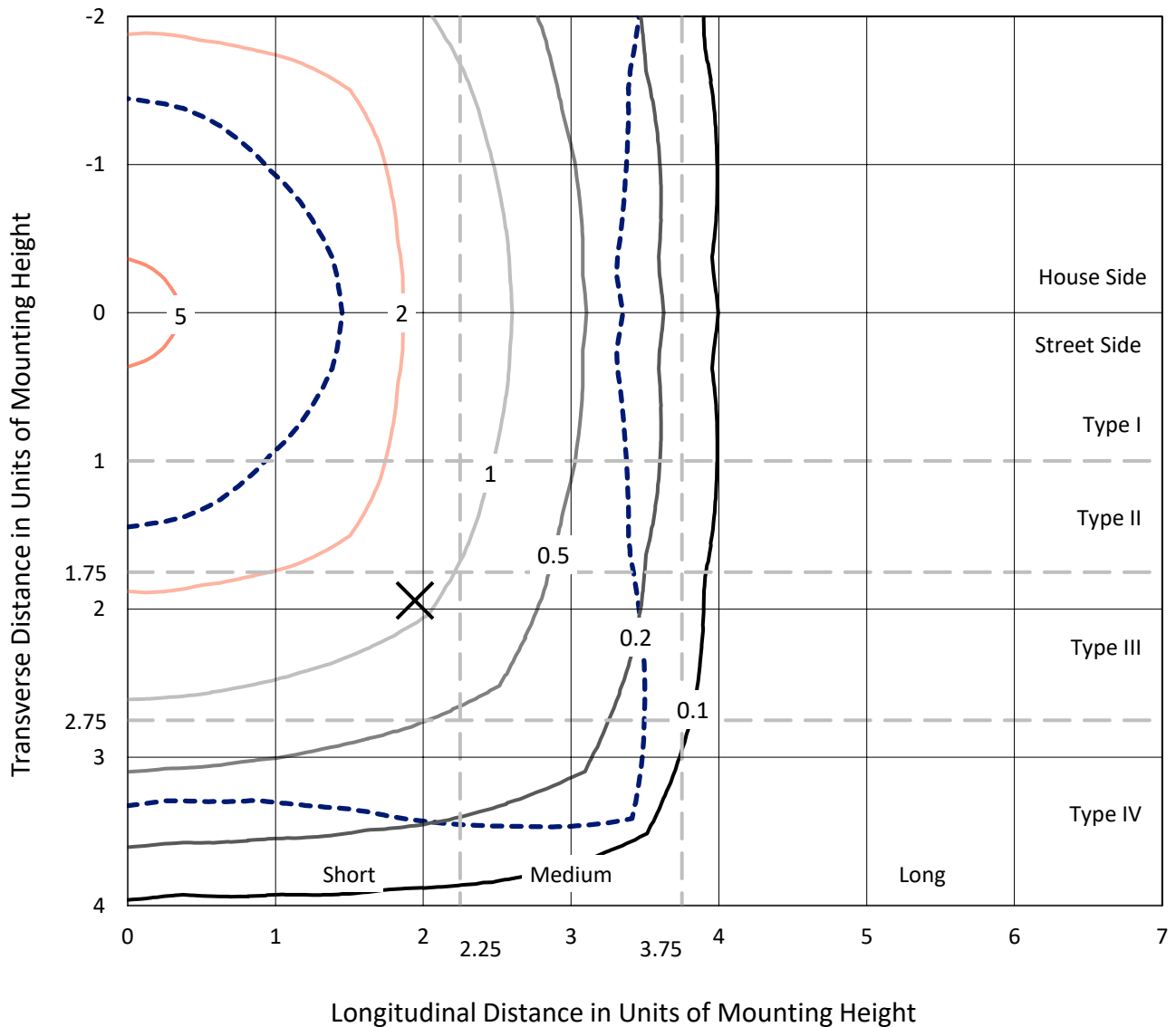
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

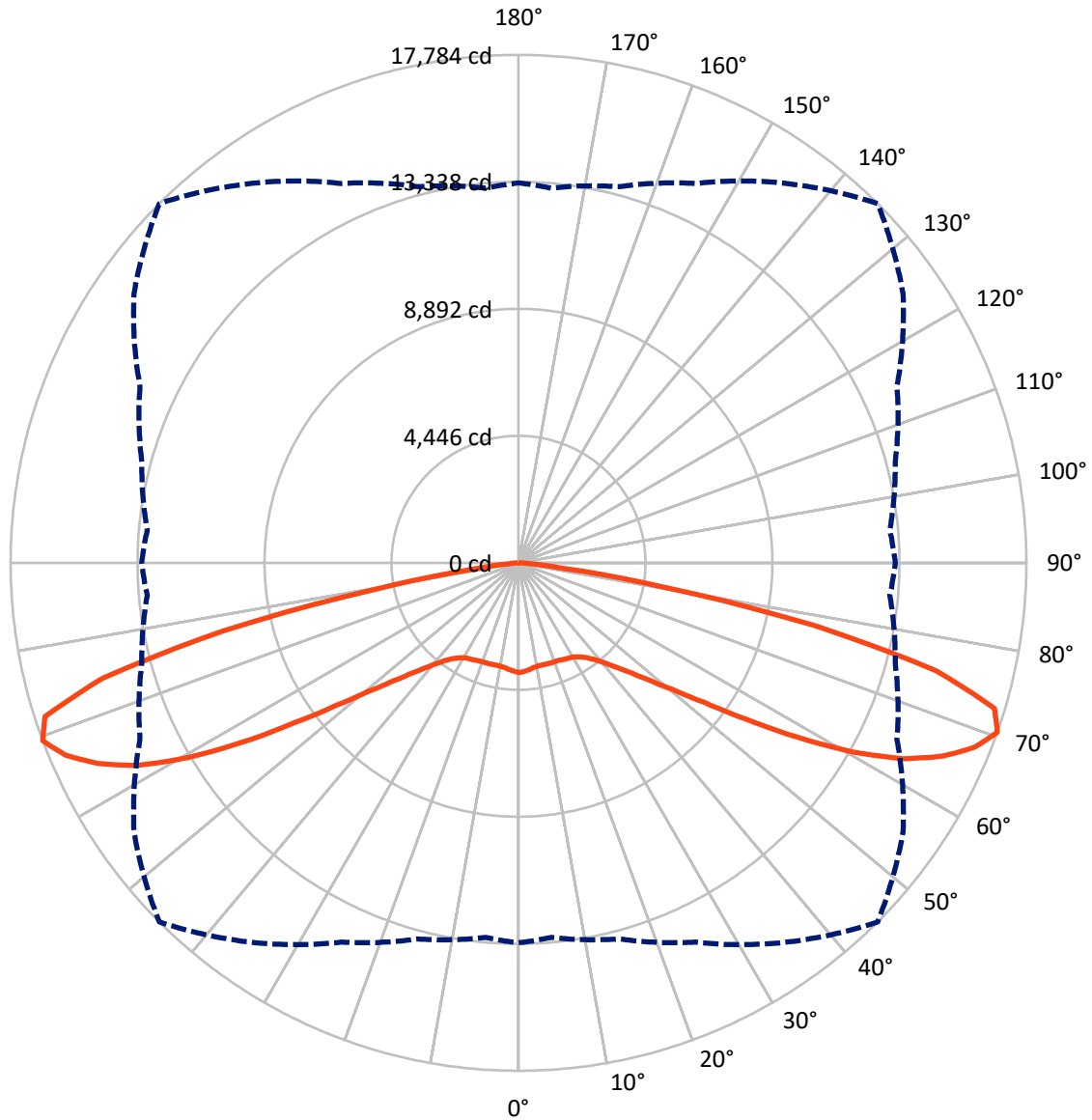
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 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	21055.0	0.0	21055.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21055.0	0.0	21055.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	42110.0	0.0	42110.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	357.3	0.8
10°-20°	1049.2	2.5
20°-30°	1746.0	4.1
30°-40°	2640.5	6.3
40°-50°	4387.9	10.4
50°-60°	8279.9	19.7
60°-70°	13980.9	33.2
70°-80°	9186.9	21.8
80°-90°	481.3	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°	42110.0	100.0
0°-180°	42110.0	100.0

Coefficient of Utilization



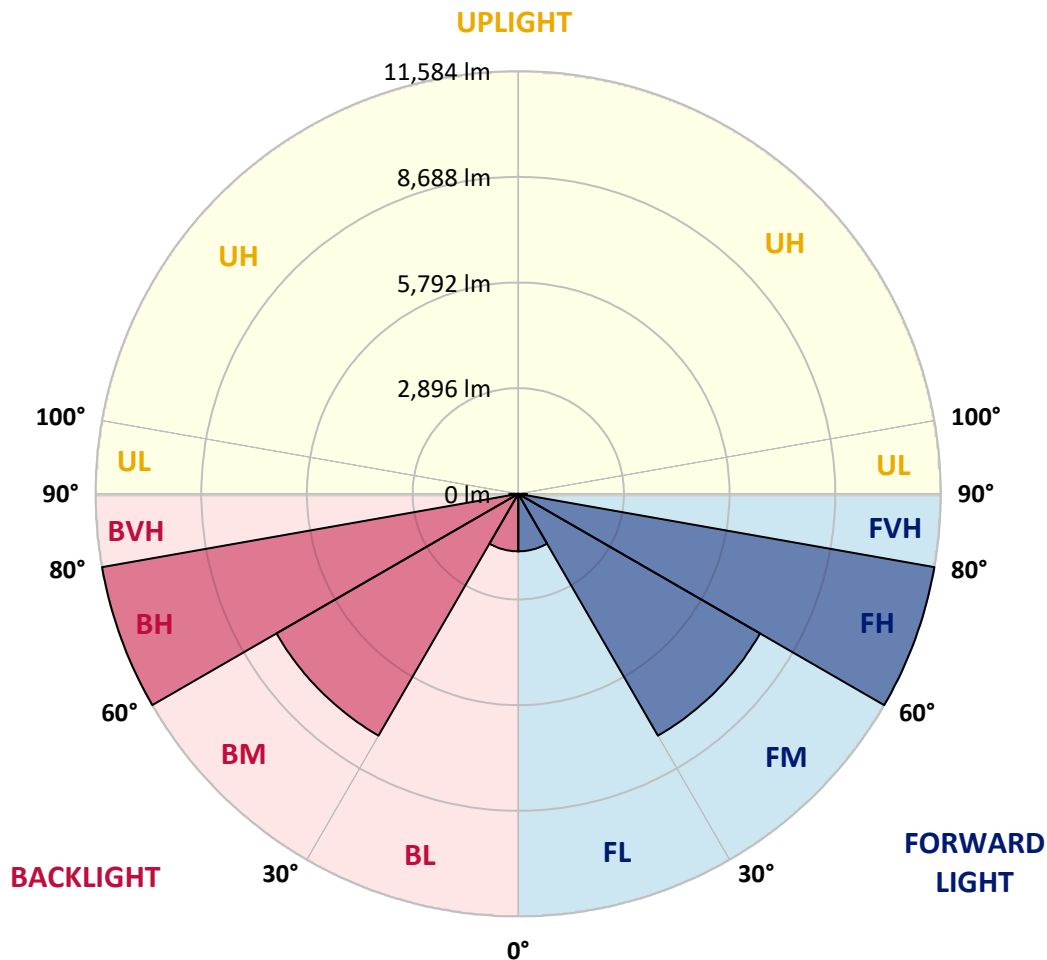
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1576.3	3.7			
FM (30°-60°)	7654.2	18.2			
FH (60°-80°)	11583.9	27.5			G4/12000
FVH (80°-90°)	240.6	0.6			G3/500
BL (0°-30°)	1576.3	3.7	B3/2500		
BM (30°-60°)	7654.2	18.2	B4/8500		
BH (60°-80°)	11583.9	27.5	B5		G4/12000
BVH (80°-90°)	240.6	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°	3841.3	3841.3	3841.3	3841.3	3841.3	3841.3	3841.3	3841.3	3841.3	3841.3
2.5°	3817.2	3828.1	3823.8	3815.0	3815.0	3808.4	3815.0	3819.4	3826.0	3830.3
5°	3766.9	3775.6	3773.4	3766.9	3769.1	3762.5	3766.9	3773.4	3777.8	3780.0
7.5°	3723.1	3731.8	3727.5	3716.5	3716.5	3710.0	3712.1	3718.7	3725.3	3727.5
10°	3712.1	3720.9	3707.8	3690.3	3683.7	3674.9	3677.1	3683.7	3696.8	3703.4
12.5°	3716.5	3723.1	3710.0	3683.7	3677.1	3668.4	3668.4	3674.9	3692.4	3701.2
15°	3729.7	3736.2	3716.5	3688.1	3681.5	3674.9	3672.7	3681.5	3701.2	3716.5
17.5°	3753.7	3760.3	3729.7	3690.3	3681.5	3683.7	3681.5	3688.1	3718.7	3747.2
20°	3775.6	3780.0	3738.4	3690.3	3681.5	3683.7	3681.5	3694.6	3734.0	3773.4
22.5°	3782.2	3786.6	3747.2	3705.6	3699.0	3701.2	3699.0	3712.1	3749.4	3788.7
25°	3784.4	3790.9	3760.3	3727.5	3738.4	3742.8	3738.4	3740.6	3769.1	3804.1
27.5°	3817.2	3826.0	3797.5	3769.1	3775.6	3773.4	3780.0	3786.6	3808.4	3843.5
30°	3885.1	3891.6	3867.5	3839.1	3834.7	3819.4	3839.1	3861.0	3885.1	3915.7
32.5°	3996.7	4009.8	3979.2	3948.5	3928.8	3920.1	3935.4	3972.6	4005.4	4038.3
35°	4182.7	4191.5	4163.0	4106.1	4071.1	4071.1	4084.2	4132.4	4184.9	4226.5
37.5°	4445.4	4456.3	4406.0	4338.1	4285.6	4285.6	4303.1	4353.5	4432.2	4491.3
40°	4764.9	4780.3	4716.8	4646.7	4596.4	4587.6	4609.5	4666.4	4740.9	4815.3
42.5°	5150.2	5167.7	5084.5	5023.2	4983.8	4983.8	4994.8	5047.3	5115.1	5207.1
45°	5642.6	5673.3	5559.5	5498.2	5461.0	5469.7	5476.3	5522.3	5583.5	5688.6
47.5°	6229.2	6259.9	6139.5	6076.0	6069.4	6111.0	6084.8	6117.6	6150.4	6270.8
50°	6894.6	6947.1	6864.0	6859.6	6872.7	6949.3	6888.0	6905.5	6868.3	6944.9
52.5°	7708.8	7785.4	7770.1	7796.4	7943.0	8100.6	7960.5	7899.2	7759.2	7783.2
55°	8696.0	8812.0	8833.8	8991.4	9324.1	9645.9	9348.2	9100.9	8803.2	8748.5
57.5°	9818.8	9910.7	10015.8	10337.5	10959.1	11530.4	10959.1	10411.9	9943.6	9831.9
60°	11027.0	11140.8	11241.5	11716.5	12640.1	13443.4	12622.6	11753.7	11134.2	10983.2
62.5°	12324.9	12471.6	12541.6	13069.1	14146.0	15104.7	14161.3	13108.5	12421.2	12259.3
65°	13570.3	13690.7	13769.5	14332.0	15360.7	16321.6	15430.8	14393.3	13686.3	13474.0
67.5°	14150.4	14216.0	14408.6	15045.6	16131.2	17227.8	16315.0	15113.4	14323.3	13951.2
70°	13301.1	13167.6	13631.6	14651.6	16223.1	17783.7	16433.2	14620.9	13653.5	13049.4
72.5°	10278.4	10048.6	10854.1	12598.5	15172.5	17429.1	15277.6	12697.0	11355.3	10129.6
75°	5592.3	5331.8	6443.7	8650.0	12099.5	15106.8	12377.5	8897.3	7174.8	5550.7
77.5°	1578.1	1479.6	2377.0	4184.9	7277.6	10606.7	7557.8	4276.8	2819.1	1672.2
80°	483.7	468.4	634.7	1260.7	3090.5	5080.1	2970.2	1276.0	807.7	510.0
82.5°	286.7	262.7	315.2	459.6	788.0	1595.6	766.1	479.3	385.2	258.3
85°	164.2	153.2	186.0	223.3	264.8	339.3	221.1	227.6	205.7	137.9
87.5°	67.9	61.3	72.2	70.0	61.3	78.8	59.1	70.0	83.2	54.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3841.3
3828.1
3780.0
3727.5
3703.4
3703.4
3718.7
3747.2
3775.6
3788.7
3801.9
3834.7
3909.1
4025.1
4211.2
4469.5
4791.2
5200.5
5684.2
6235.8
6899.0
7702.3
8663.1
9753.1
10851.9
12127.9
13369.0
13955.6
13193.9
10433.8
5911.9
1858.3
538.4
280.2
144.5
50.3
0.0

OF REPORT)