

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: P849051

Luminaire Tested: **GLAN-SB5D-930-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849051
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-930-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 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: 35078 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

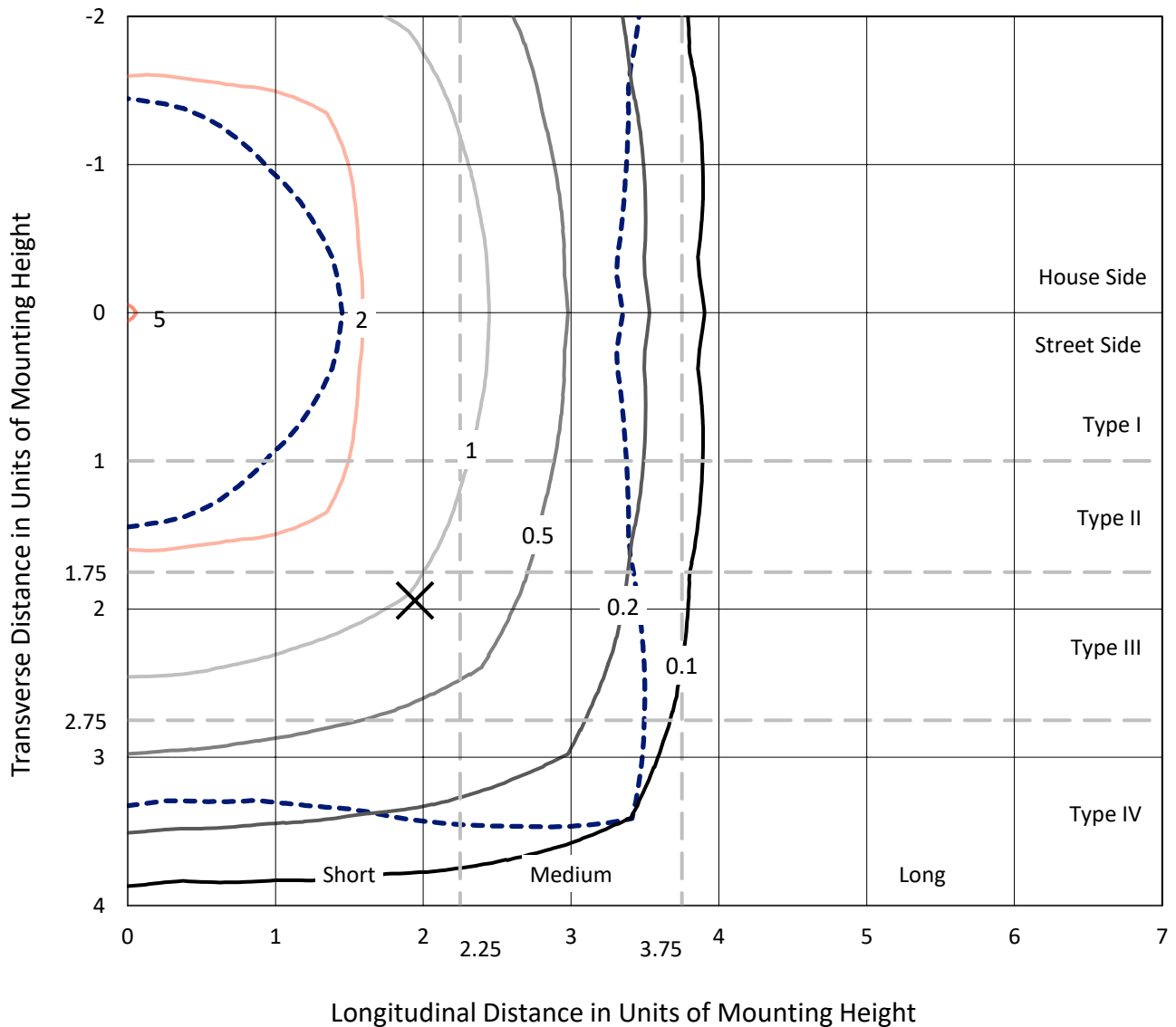
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

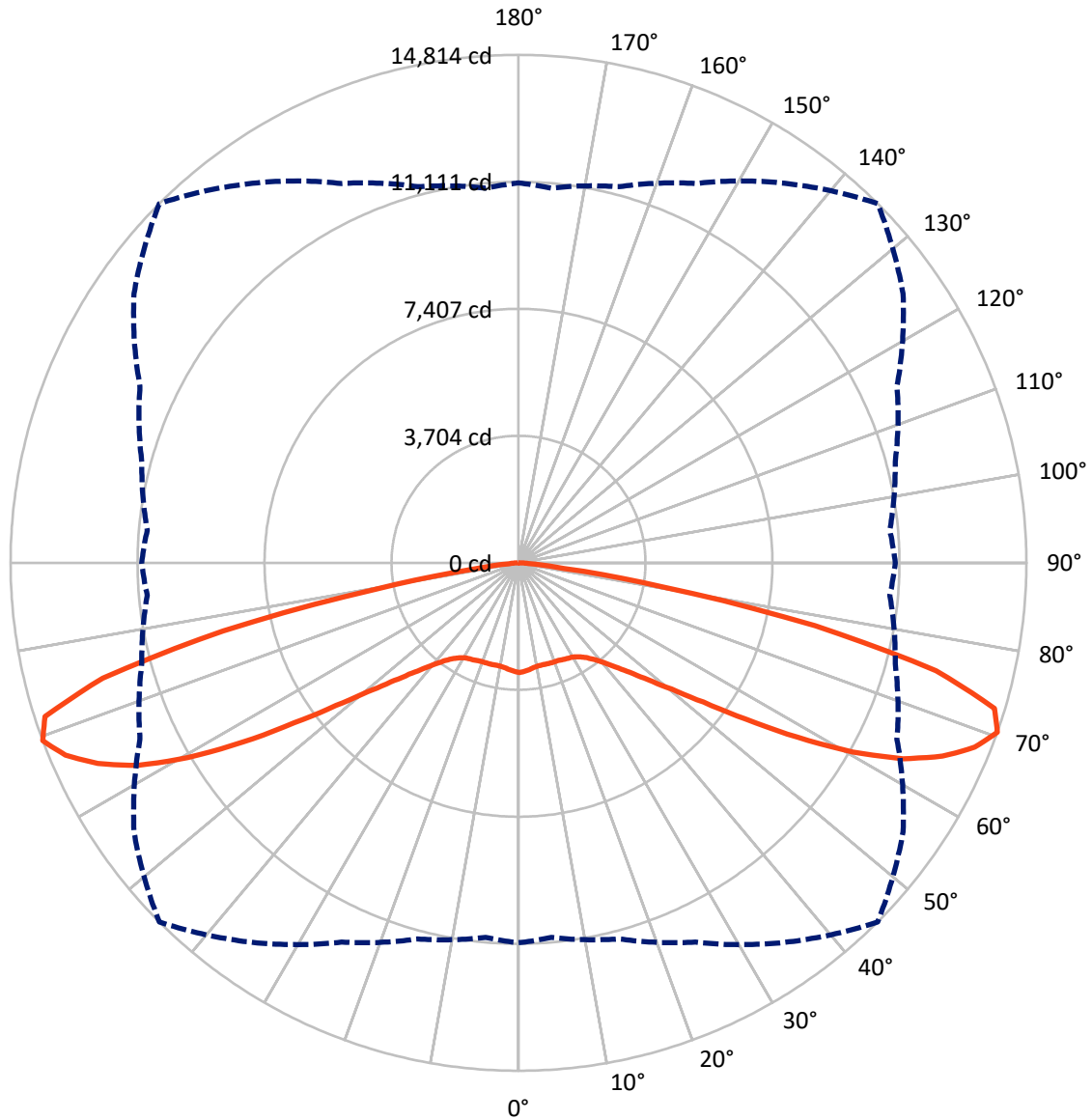
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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	17539.0	0.0	17539.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17539.0	0.0	17539.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	35078.0	0.0	35078.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.7	0.8
10°-20°	874.0	2.5
20°-30°	1454.5	4.1
30°-40°	2199.6	6.3
40°-50°	3655.2	10.4
50°-60°	6897.2	19.7
60°-70°	11646.2	33.2
70°-80°	7652.8	21.8
80°-90°	400.9	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°	35078.0	100.0
0°-180°	35078.0	100.0

Coefficient of Utilization

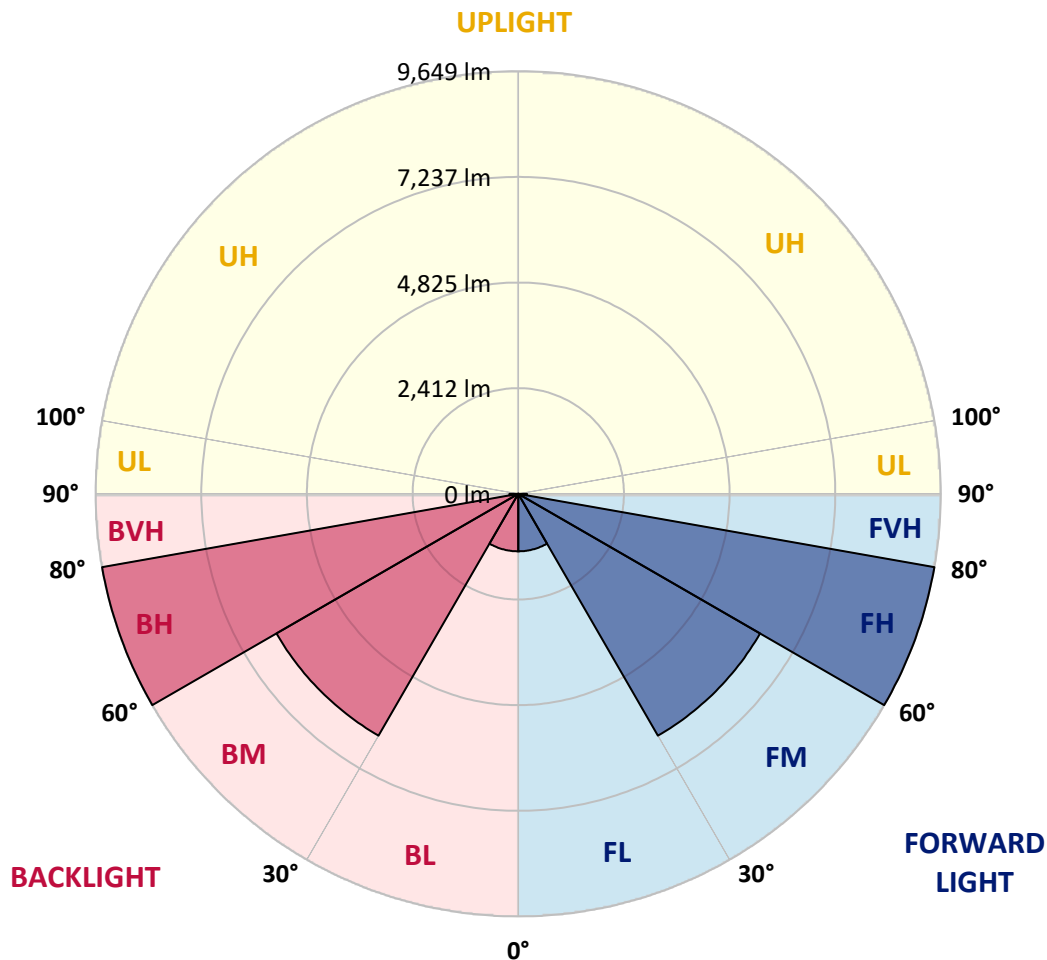


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1313.1	3.7			
FM (30°-60°)	6376.0	18.2			
FH (60°-80°)	9649.5	27.5			G4/12000
FVH (80°-90°)	200.5	0.6			G2/225
BL (0°-30°)	1313.1	3.7	B3/2500		
BM (30°-60°)	6376.0	18.2	B4/8500		
BH (60°-80°)	9649.5	27.5	B5		G4/12000
BVH (80°-90°)	200.5	0.6			G2/225
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°	3199.8	3199.8	3199.8	3199.8	3199.8	3199.8	3199.8	3199.8	3199.8	3199.8
2.5°	3179.8	3188.9	3185.2	3177.9	3177.9	3172.5	3177.9	3181.6	3187.1	3190.7
5°	3137.8	3145.1	3143.3	3137.8	3139.7	3134.2	3137.8	3143.3	3146.9	3148.8
7.5°	3101.4	3108.7	3105.0	3095.9	3095.9	3090.4	3092.2	3097.7	3103.2	3105.0
10°	3092.2	3099.5	3088.6	3074.0	3068.5	3061.3	3063.1	3068.5	3079.5	3085.0
12.5°	3095.9	3101.4	3090.4	3068.5	3063.1	3055.8	3055.8	3061.3	3075.8	3083.1
15°	3106.8	3112.3	3095.9	3072.2	3066.7	3061.3	3059.4	3066.7	3083.1	3095.9
17.5°	3126.9	3132.4	3106.8	3074.0	3066.7	3068.5	3066.7	3072.2	3097.7	3121.4
20°	3145.1	3148.8	3114.1	3074.0	3066.7	3068.5	3066.7	3077.7	3110.5	3143.3
22.5°	3150.6	3154.2	3121.4	3086.8	3081.3	3083.1	3081.3	3092.2	3123.2	3156.1
25°	3152.4	3157.9	3132.4	3105.0	3114.1	3117.8	3114.1	3115.9	3139.7	3168.8
27.5°	3179.8	3187.1	3163.4	3139.7	3145.1	3143.3	3148.8	3154.2	3172.5	3201.6
30°	3236.3	3241.8	3221.7	3198.0	3194.4	3181.6	3198.0	3216.2	3236.3	3261.8
32.5°	3329.3	3340.2	3314.7	3289.2	3272.8	3265.5	3278.2	3309.2	3336.6	3363.9
35°	3484.2	3491.5	3467.8	3420.4	3391.3	3391.3	3402.2	3442.3	3486.1	3520.7
37.5°	3703.0	3712.2	3670.2	3613.7	3569.9	3569.9	3584.5	3626.5	3692.1	3741.3
40°	3969.2	3982.0	3929.1	3870.8	3828.8	3821.6	3839.8	3887.2	3949.2	4011.2
42.5°	4290.1	4304.7	4235.4	4184.4	4151.6	4151.6	4160.7	4204.4	4261.0	4337.5
45°	4700.4	4725.9	4631.1	4580.0	4549.0	4556.3	4561.8	4600.1	4651.1	4738.7
47.5°	5189.0	5214.5	5114.2	5061.4	5055.9	5090.5	5068.7	5096.0	5123.4	5223.6
50°	5743.3	5787.0	5717.7	5714.1	5725.0	5788.8	5737.8	5752.4	5721.4	5785.2
52.5°	6421.5	6485.3	6472.6	6494.4	6616.6	6747.9	6631.2	6580.1	6463.5	6483.5
55°	7243.8	7340.4	7358.7	7489.9	7767.1	8035.1	7787.1	7581.1	7333.1	7287.6
57.5°	8179.1	8255.7	8343.2	8611.3	9129.1	9604.9	9129.1	8673.2	8283.1	8190.1
60°	9185.6	9280.4	9364.3	9759.9	10529.3	11198.5	10514.7	9790.9	9274.9	9149.1
62.5°	10266.8	10388.9	10447.3	10886.7	11783.7	12582.3	11796.5	10919.5	10347.0	10212.1
65°	11304.2	11404.5	11470.1	11938.7	12795.6	13596.0	12854.0	11989.8	11400.8	11224.0
67.5°	11787.4	11842.1	12002.5	12533.1	13437.4	14350.9	13590.6	12589.6	11931.4	11621.5
70°	11079.9	10968.7	11355.3	12204.9	13514.0	14814.0	13689.0	12179.4	11373.5	10870.3
72.5°	8562.0	8370.6	9041.5	10494.7	12638.8	14518.6	12726.3	10576.7	9459.1	8438.0
75°	4658.4	4441.5	5367.7	7205.5	10079.0	12584.1	10310.5	7411.5	5976.6	4623.8
77.5°	1314.6	1232.5	1980.1	3486.1	6062.3	8835.5	6295.7	3562.6	2348.4	1393.0
80°	402.9	390.2	528.7	1050.2	2574.4	4231.8	2474.2	1063.0	672.8	424.8
82.5°	238.8	218.8	262.5	382.9	656.4	1329.2	638.1	399.3	320.9	215.1
85°	136.7	127.6	155.0	186.0	220.6	282.6	184.1	189.6	171.4	114.9
87.5°	56.5	51.1	60.2	58.3	51.1	65.6	49.2	58.3	69.3	45.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3199.8
3188.9
3148.8
3105.0
3085.0
3085.0
3097.7
3121.4
3145.1
3156.1
3167.0
3194.4
3256.3
3353.0
3508.0
3723.1
3991.1
4332.1
4735.0
5194.5
5746.9
6416.0
7216.5
8124.4
9039.7
10102.7
11136.5
11625.1
10990.6
8691.5
4924.6
1547.9
448.5
233.4
120.3
41.9
0.0

OF REPORT)