

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: P849001

Luminaire Tested: **GLAN-SB5D-830-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849001
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-830-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 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: 44645 lumens
Efficiency: N/A
Efficacy: 122.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

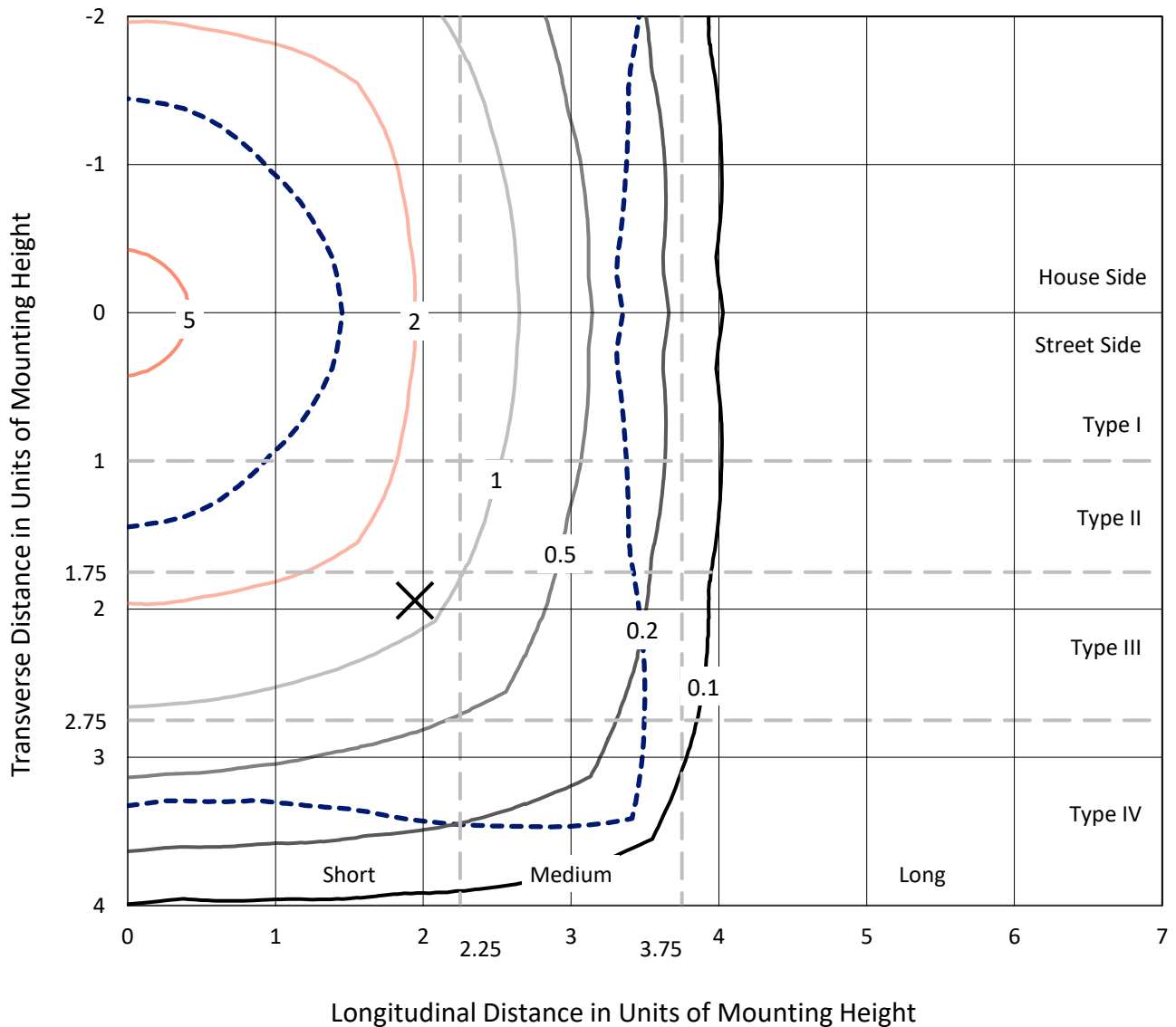
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

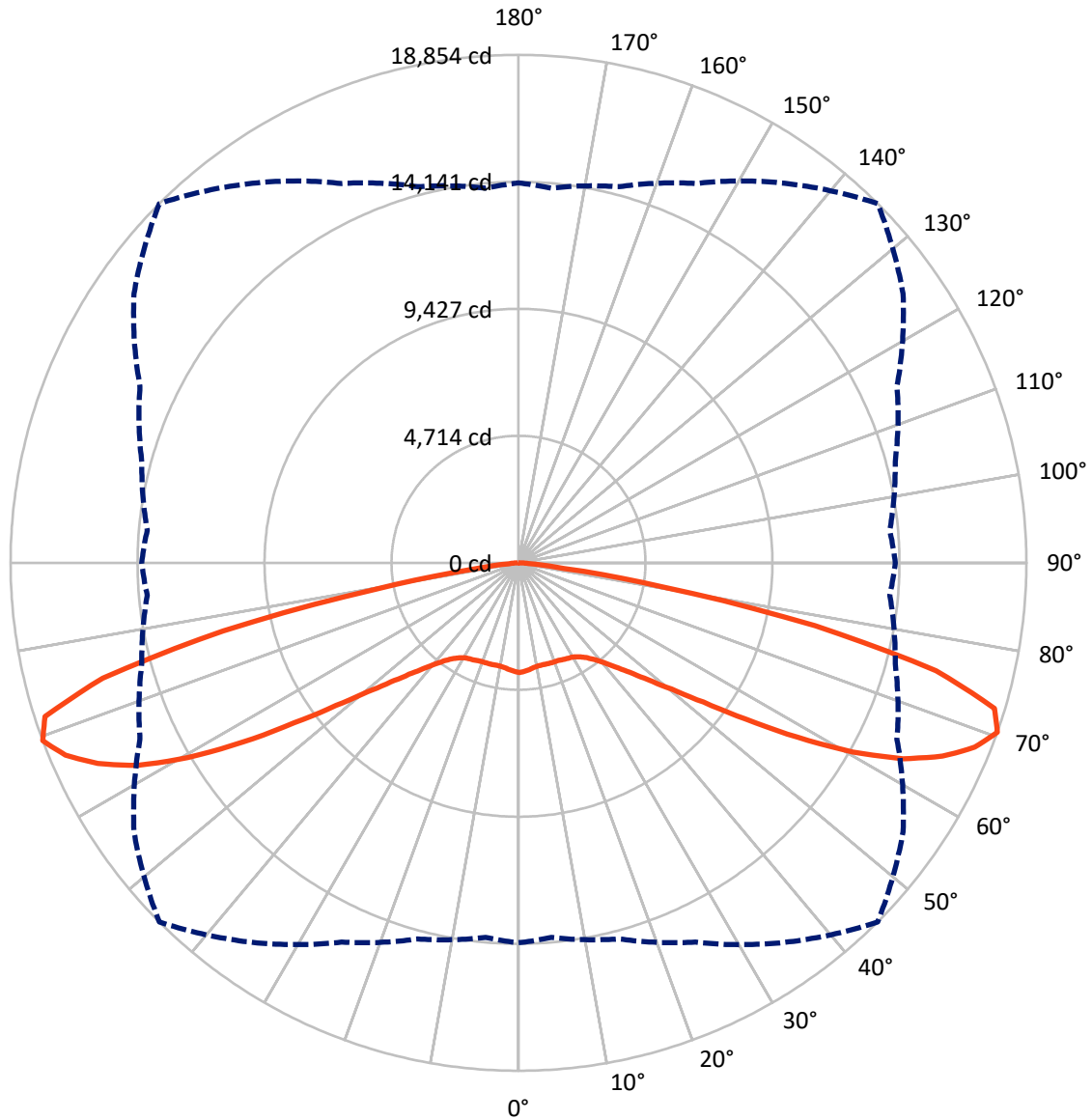
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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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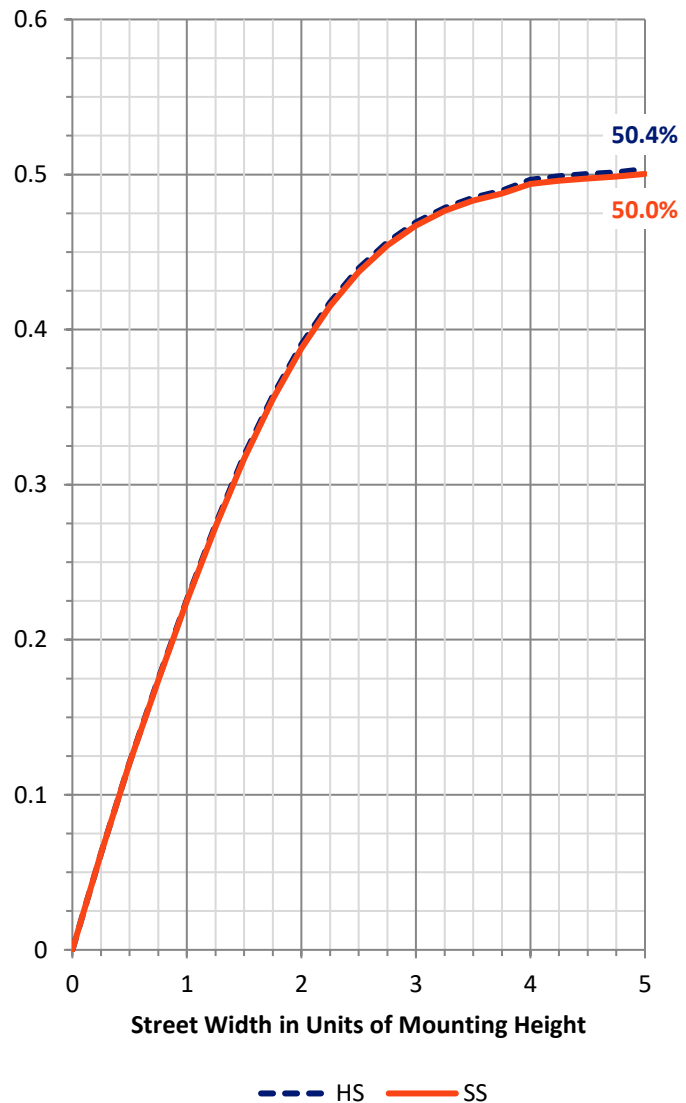
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22322.5	0.0	22322.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22322.5	0.0	22322.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	44645.0	0.0	44645.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.8	0.8
10°-20°	1112.4	2.5
20°-30°	1851.1	4.1
30°-40°	2799.5	6.3
40°-50°	4652.1	10.4
50°-60°	8778.3	19.7
60°-70°	14822.5	33.2
70°-80°	9739.9	21.8
80°-90°	510.3	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°	44645.0	100.0
0°-180°	44645.0	100.0

Coefficient of Utilization



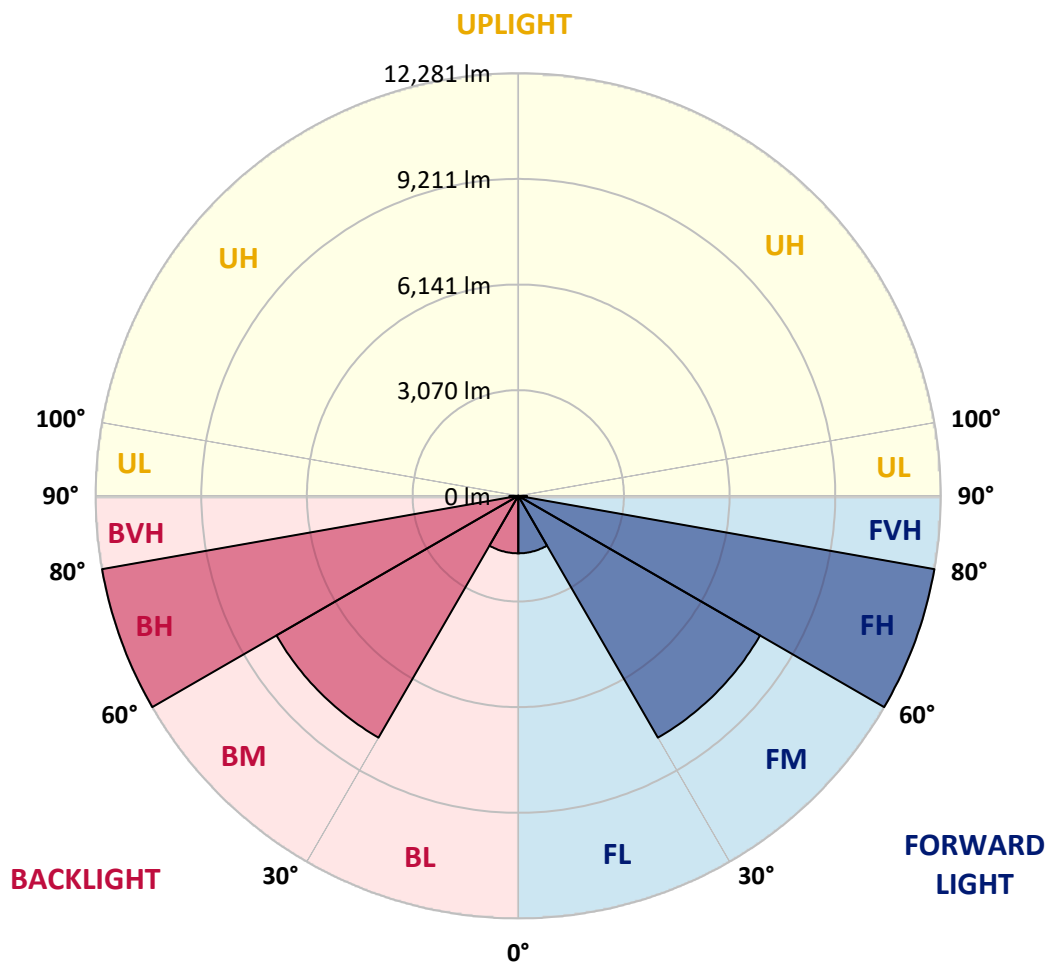
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1671.2	3.7			
FM (30°-60°)	8114.9	18.2			
FH (60°-80°)	12281.2	27.5			G5
FVH (80°-90°)	255.1	0.6			G3/500
BL (0°-30°)	1671.2	3.7	B3/2500		
BM (30°-60°)	8114.9	18.2	B4/8500		
BH (60°-80°)	12281.2	27.5	B5		G5
BVH (80°-90°)	255.1	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-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4072.5	4072.5	4072.5	4072.5	4072.5	4072.5	4072.5	4072.5	4072.5	4072.5
2.5°	4047.0	4058.6	4054.0	4044.7	4044.7	4037.7	4044.7	4049.3	4056.3	4060.9
5°	3993.6	4002.9	4000.6	3993.6	3995.9	3989.0	3993.6	4000.6	4005.2	4007.5
7.5°	3947.2	3956.5	3951.9	3940.3	3940.3	3933.3	3935.6	3942.6	3949.5	3951.9
10°	3935.6	3944.9	3931.0	3912.4	3905.4	3896.2	3898.5	3905.4	3919.4	3926.3
12.5°	3940.3	3947.2	3933.3	3905.4	3898.5	3889.2	3889.2	3896.2	3914.7	3924.0
15°	3954.2	3961.1	3940.3	3910.1	3903.1	3896.2	3893.8	3903.1	3924.0	3940.3
17.5°	3979.7	3986.7	3954.2	3912.4	3903.1	3905.4	3903.1	3910.1	3942.6	3972.7
20°	4002.9	4007.5	3963.5	3912.4	3903.1	3905.4	3903.1	3917.0	3958.8	4000.6
22.5°	4009.9	4014.5	3972.7	3928.7	3921.7	3924.0	3921.7	3935.6	3975.1	4016.8
25°	4012.2	4019.2	3986.7	3951.9	3963.5	3968.1	3963.5	3965.8	3995.9	4033.1
27.5°	4047.0	4056.3	4026.1	3995.9	4002.9	4000.6	4007.5	4014.5	4037.7	4074.8
30°	4118.9	4125.9	4100.4	4070.2	4065.6	4049.3	4070.2	4093.4	4118.9	4151.4
32.5°	4237.3	4251.2	4218.7	4186.2	4165.3	4156.1	4172.3	4211.8	4246.6	4281.4
35°	4434.5	4443.8	4413.6	4353.3	4316.2	4316.2	4330.1	4381.2	4436.8	4480.9
37.5°	4713.0	4724.6	4671.2	4599.3	4543.6	4543.6	4562.2	4615.5	4699.1	4761.7
40°	5051.8	5068.0	5000.7	4926.5	4873.1	4863.8	4887.0	4947.4	5026.3	5105.2
42.5°	5460.2	5478.8	5390.6	5325.6	5283.8	5283.8	5295.4	5351.1	5423.1	5520.5
45°	5982.3	6014.8	5894.1	5829.2	5789.7	5799.0	5806.0	5854.7	5919.7	6031.0
47.5°	6604.2	6636.7	6509.1	6441.8	6434.8	6478.9	6451.1	6485.9	6520.7	6648.3
50°	7309.7	7365.3	7277.2	7272.5	7286.5	7367.7	7302.7	7321.3	7281.8	7363.0
52.5°	8172.9	8254.1	8237.9	8265.7	8421.2	8588.3	8439.8	8374.8	8226.3	8251.8
55°	9219.4	9342.4	9365.6	9532.7	9885.4	10226.6	9911.0	9648.7	9333.2	9275.1
57.5°	10409.9	10507.3	10618.7	10959.8	11618.9	12224.5	11618.9	11038.7	10542.1	10423.8
60°	11690.8	11811.5	11918.2	12421.8	13401.0	14252.7	13382.5	12461.2	11804.5	11644.4
62.5°	13066.9	13222.4	13296.6	13855.9	14997.6	16013.9	15013.8	13897.6	13169.0	12997.3
65°	14387.3	14514.9	14598.4	15194.8	16285.5	17304.2	16359.7	15259.8	14510.2	14285.2
67.5°	15002.2	15071.8	15276.0	15951.3	17102.3	18264.9	17297.2	16023.2	15185.5	14791.0
70°	14101.8	13960.3	14452.2	15533.6	17199.7	18854.3	17422.5	15501.1	14475.4	13835.0
72.5°	10897.2	10653.5	11507.5	13356.9	16085.9	18478.3	16197.3	13461.4	12038.9	10739.4
75°	5928.9	5652.8	6831.6	9170.7	12827.9	16016.3	13122.6	9432.9	7606.7	5884.9
77.5°	1673.1	1568.7	2520.1	4436.8	7715.7	11245.3	8012.8	4534.3	2988.8	1772.9
80°	512.8	496.6	673.0	1336.6	3276.6	5385.9	3149.0	1352.9	856.3	540.7
82.5°	304.0	278.5	334.2	487.3	835.4	1691.7	812.2	508.2	408.4	273.8
85°	174.0	162.4	197.2	236.7	280.8	359.7	234.4	241.3	218.1	146.2
87.5°	71.9	65.0	76.6	74.3	65.0	83.5	62.7	74.3	88.2	58.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4072.5
4058.6
4007.5
3951.9
3926.3
3926.3
3942.6
3972.7
4002.9
4016.8
4030.8
4065.6
4144.5
4267.4
4464.7
4738.5
5079.6
5513.6
6026.4
6611.2
7314.3
8165.9
9184.6
10340.3
11505.2
12858.0
14173.8
14795.7
13988.1
11061.9
6267.7
1970.1
570.8
297.0
153.2
53.4
0.0

OF REPORT)