

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: P849011

Luminaire Tested: **GLAN-SB5D-835-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849011
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-835-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43051 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

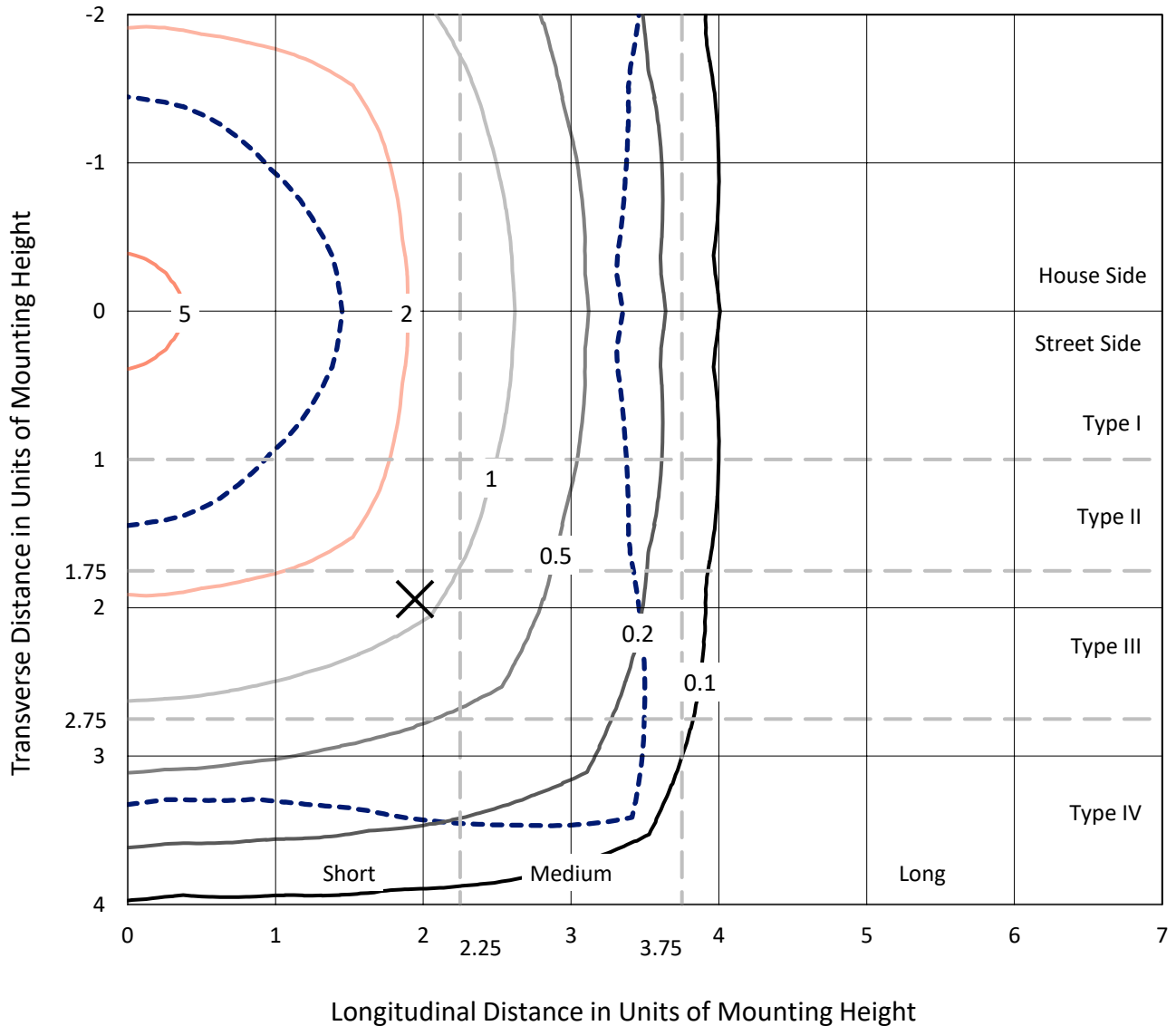
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

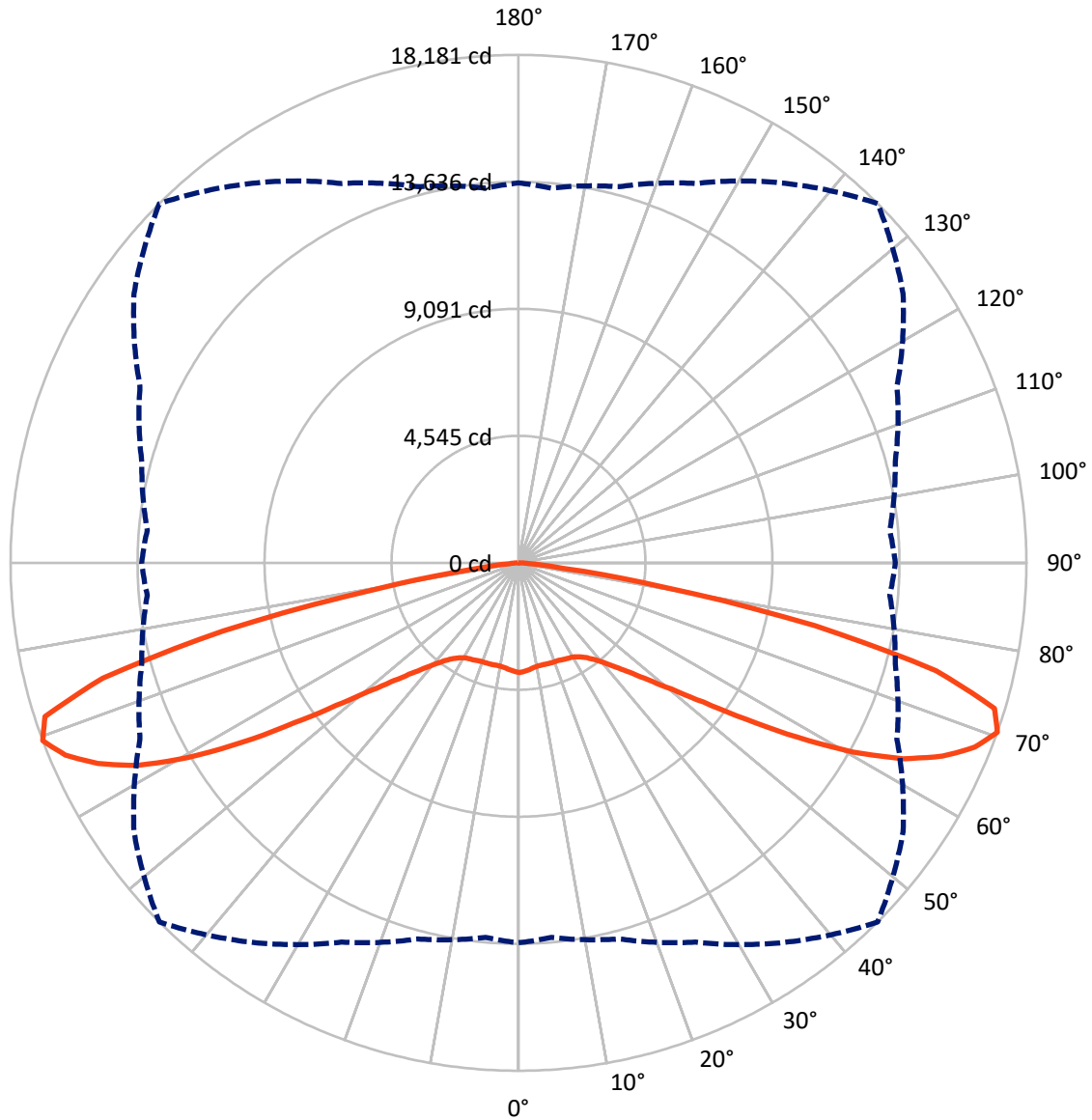
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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	21525.5	0.0	21525.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21525.5	0.0	21525.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	43051.0	0.0	43051.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.3	0.8
10°-20°	1072.7	2.5
20°-30°	1785.1	4.1
30°-40°	2699.5	6.3
40°-50°	4486.0	10.4
50°-60°	8464.9	19.7
60°-70°	14293.3	33.2
70°-80°	9392.2	21.8
80°-90°	492.1	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°	43051.0	100.0
0°-180°	43051.0	100.0

Coefficient of Utilization



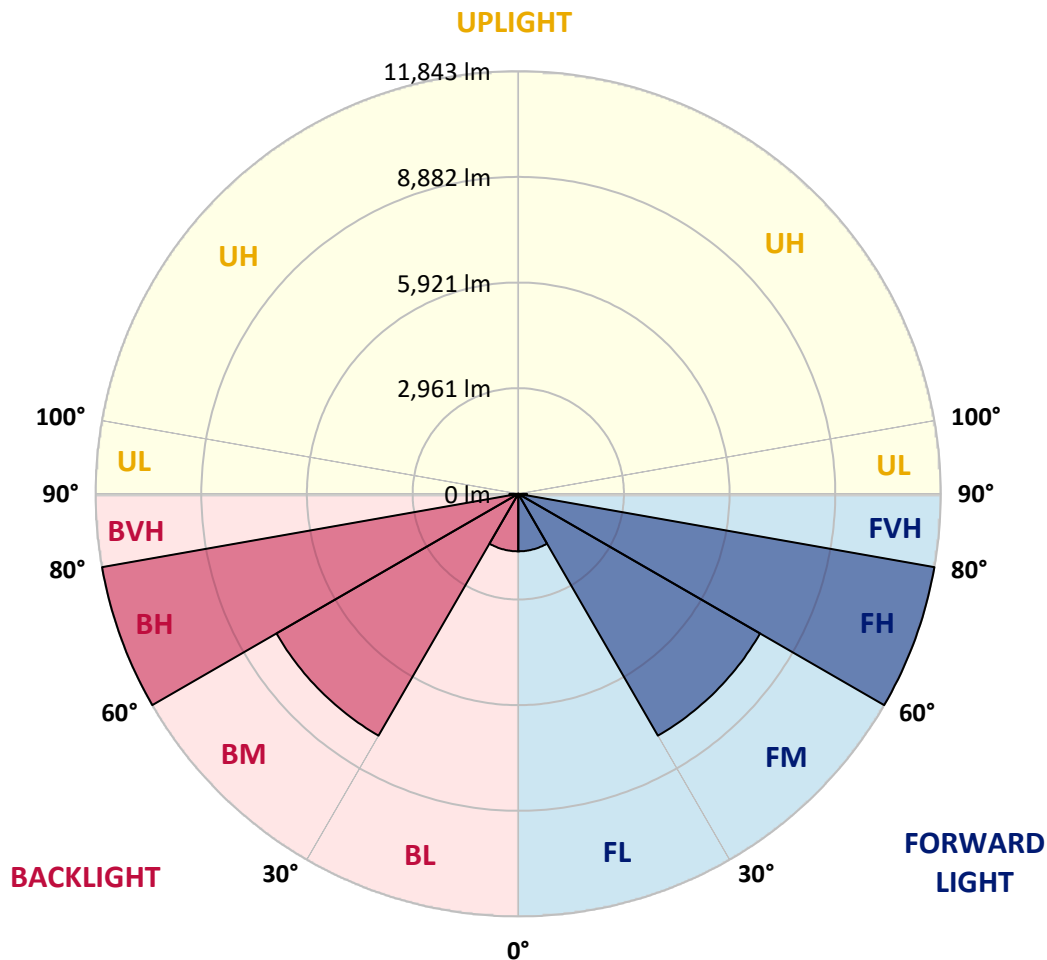
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1611.5	3.7			
FM (30°-60°)	7825.2	18.2			
FH (60°-80°)	11842.8	27.5			G4/12000
FVH (80°-90°)	246.0	0.6			G3/500
BL (0°-30°)	1611.5	3.7	B3/2500		
BM (30°-60°)	7825.2	18.2	B4/8500		
BH (60°-80°)	11842.8	27.5	B5		G4/12000
BVH (80°-90°)	246.0	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°	3927.1	3927.1	3927.1	3927.1	3927.1	3927.1	3927.1	3927.1	3927.1	3927.1
2.5°	3902.5	3913.7	3909.2	3900.3	3900.3	3893.6	3900.3	3904.7	3911.5	3915.9
5°	3851.0	3860.0	3857.8	3851.0	3853.3	3846.6	3851.0	3857.8	3862.2	3864.5
7.5°	3806.3	3815.2	3810.8	3799.6	3799.6	3792.9	3795.1	3801.8	3808.5	3810.8
10°	3795.1	3804.0	3790.6	3772.7	3766.0	3757.1	3759.3	3766.0	3779.4	3786.1
12.5°	3799.6	3806.3	3792.9	3766.0	3759.3	3750.3	3750.3	3757.1	3775.0	3783.9
15°	3813.0	3819.7	3799.6	3770.5	3763.8	3757.1	3754.8	3763.8	3783.9	3799.6
17.5°	3837.6	3844.3	3813.0	3772.7	3763.8	3766.0	3763.8	3770.5	3801.8	3830.9
20°	3860.0	3864.5	3821.9	3772.7	3763.8	3766.0	3763.8	3777.2	3817.5	3857.8
22.5°	3866.7	3871.2	3830.9	3788.4	3781.7	3783.9	3781.7	3795.1	3833.1	3873.4
25°	3868.9	3875.7	3844.3	3810.8	3821.9	3826.4	3821.9	3824.2	3853.3	3889.1
27.5°	3902.5	3911.5	3882.4	3853.3	3860.0	3857.8	3864.5	3871.2	3893.6	3929.4
30°	3971.9	3978.6	3954.0	3924.9	3920.4	3904.7	3924.9	3947.3	3971.9	4003.2
32.5°	4086.0	4099.4	4068.1	4036.8	4016.6	4007.7	4023.3	4061.4	4094.9	4128.5
35°	4276.2	4285.1	4256.1	4197.9	4162.1	4162.1	4175.5	4224.7	4278.4	4320.9
37.5°	4544.7	4555.9	4504.4	4435.1	4381.4	4381.4	4399.3	4450.7	4531.3	4591.7
40°	4871.4	4887.1	4822.2	4750.6	4699.1	4690.2	4712.5	4770.7	4846.8	4922.9
42.5°	5265.2	5283.1	5198.1	5135.5	5095.2	5095.2	5106.4	5160.1	5229.4	5323.4
45°	5768.7	5800.1	5683.7	5621.0	5583.0	5591.9	5598.7	5645.7	5708.3	5815.7
47.5°	6368.4	6399.7	6276.7	6211.8	6205.1	6247.6	6220.7	6254.3	6287.9	6410.9
50°	7048.7	7102.4	7017.3	7012.9	7026.3	7104.6	7042.0	7059.9	7021.8	7100.1
52.5°	7881.1	7959.4	7943.7	7970.6	8120.5	8281.6	8138.4	8075.8	7932.6	7957.2
55°	8890.3	9008.9	9031.3	9192.4	9532.5	9861.4	9557.1	9304.2	8999.9	8944.0
57.5°	10038.2	10132.2	10239.6	10568.5	11204.0	11788.1	11204.0	10644.6	10165.8	10051.6
60°	11273.4	11389.8	11492.7	11978.3	12922.6	13743.8	12904.7	12016.3	11383.0	11228.6
62.5°	12600.3	12750.3	12821.9	13361.2	14462.1	15442.2	14477.8	13401.4	12698.8	12533.2
65°	13873.6	13996.7	14077.2	14652.3	15704.0	16686.3	15775.6	14714.9	13992.2	13775.1
67.5°	14466.6	14533.7	14730.6	15381.8	16491.7	17612.7	16679.6	15451.1	14643.3	14262.9
70°	13598.3	13461.8	13936.2	14979.0	16585.6	18181.1	16800.5	14947.7	13958.6	13341.0
72.5°	10508.1	10273.2	11096.6	12880.1	15511.6	17818.6	15619.0	12980.7	11609.1	10356.0
75°	5717.3	5451.0	6587.7	8843.3	12369.9	15444.4	12654.0	9096.1	7335.1	5674.7
77.5°	1613.4	1512.7	2430.1	4278.4	7440.3	10843.8	7726.7	4372.4	2882.1	1709.6
80°	494.5	478.9	648.9	1288.9	3159.6	5193.6	3036.5	1304.6	825.7	521.4
82.5°	293.1	268.5	322.2	469.9	805.6	1631.3	783.2	490.1	393.8	264.0
85°	167.8	156.6	190.2	228.2	270.8	346.8	226.0	232.7	210.3	141.0
87.5°	69.4	62.7	73.8	71.6	62.7	80.6	60.4	71.6	85.0	55.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3927.1
3913.7
3864.5
3810.8
3786.1
3786.1
3801.8
3830.9
3860.0
3873.4
3886.8
3920.4
3996.5
4115.1
4305.3
4569.3
4898.3
5316.7
5811.2
6375.1
7053.1
7874.4
8856.7
9971.1
11094.4
12399.0
13667.7
14267.4
13488.7
10667.0
6044.0
1899.8
550.5
286.4
147.7
51.5
0.0

OF REPORT)