

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: P849531

Luminaire Tested: **GLAN-SB6C-840-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849531
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-SB6C-840-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40852 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

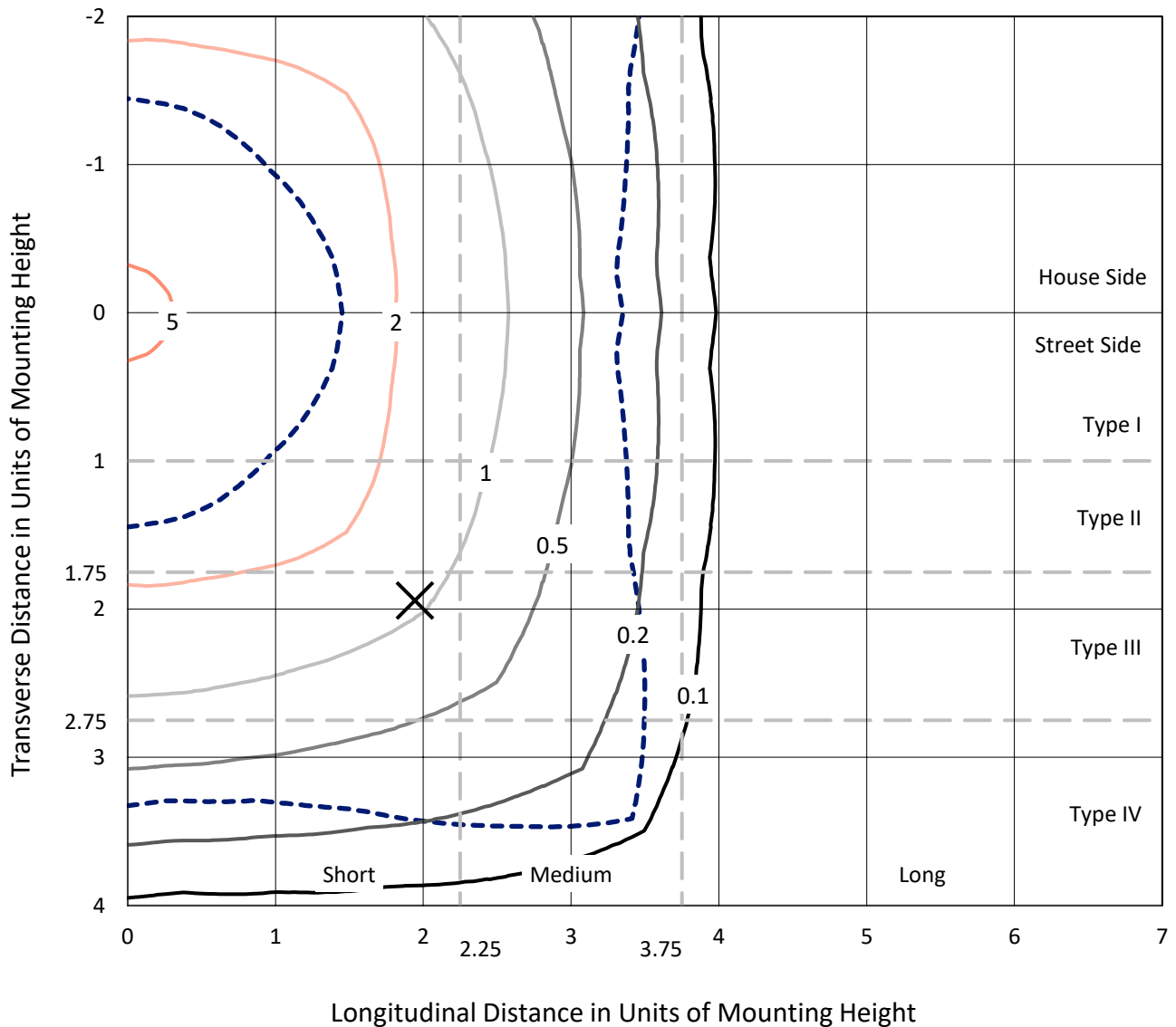
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

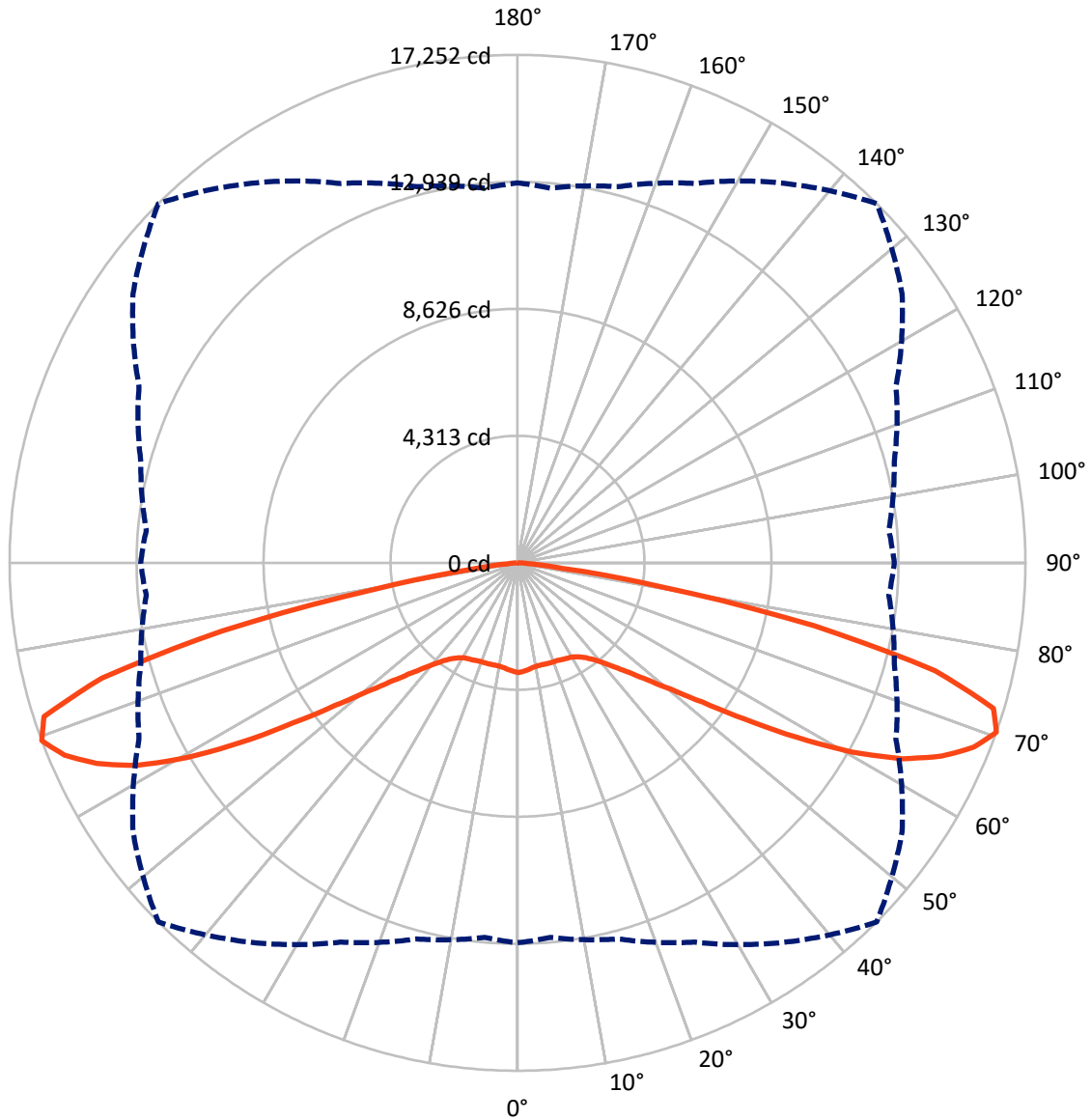
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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	20426.0	0.0	20426.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20426.0	0.0	20426.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	40852.0	0.0	40852.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.7	0.8
10°-20°	1017.9	2.5
20°-30°	1693.9	4.1
30°-40°	2561.7	6.3
40°-50°	4256.8	10.4
50°-60°	8032.5	19.7
60°-70°	13563.2	33.2
70°-80°	8912.4	21.8
80°-90°	466.9	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°	40852.0	100.0
0°-180°	40852.0	100.0

Coefficient of Utilization



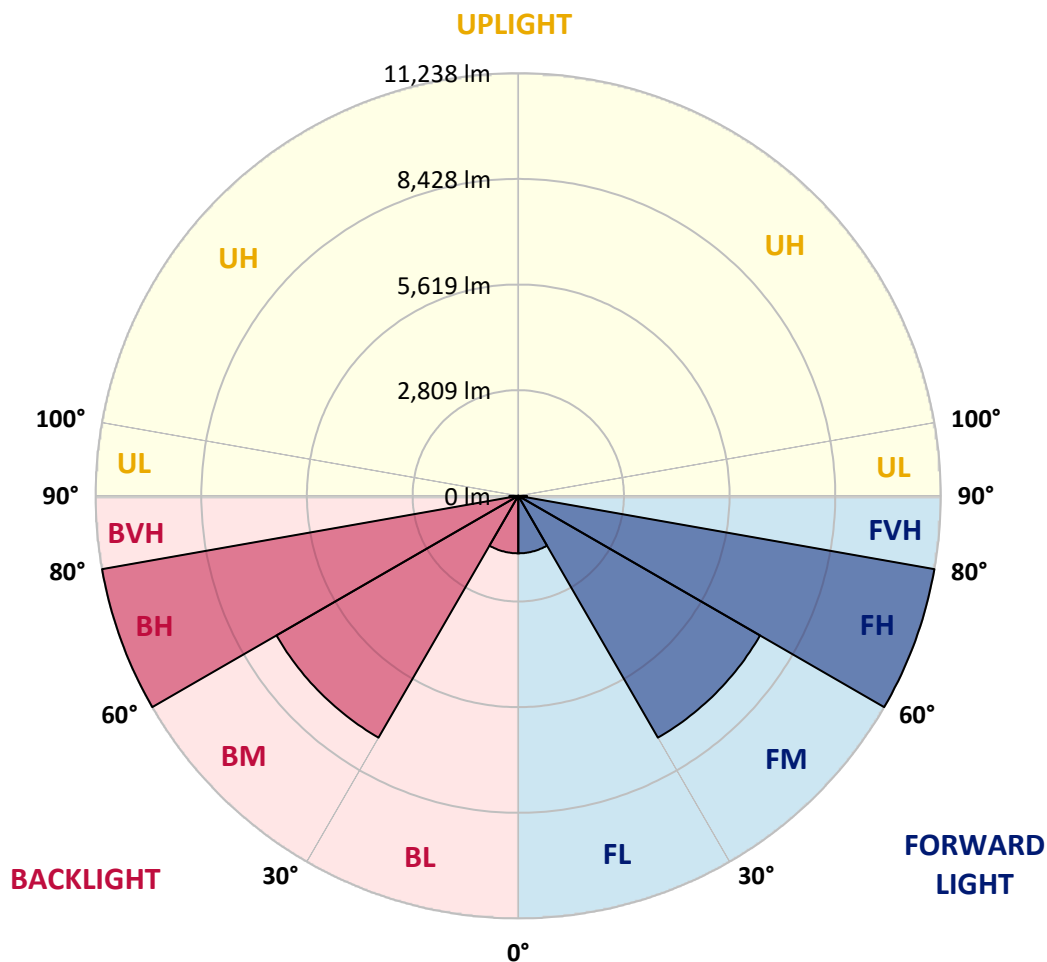
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1529.2	3.7			
FM (30°-60°)	7425.5	18.2			
FH (60°-80°)	11237.8	27.5			G4/12000
FVH (80°-90°)	233.5	0.6			G3/500
BL (0°-30°)	1529.2	3.7	B3/2500		
BM (30°-60°)	7425.5	18.2	B4/8500		
BH (60°-80°)	11237.8	27.5	B5		G4/12000
BVH (80°-90°)	233.5	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°	3726.5	3726.5	3726.5	3726.5	3726.5	3726.5	3726.5	3726.5	3726.5	3726.5
2.5°	3703.2	3713.8	3709.5	3701.0	3701.0	3694.7	3701.0	3705.3	3711.7	3715.9
5°	3654.3	3662.8	3660.7	3654.3	3656.5	3650.1	3654.3	3660.7	3664.9	3667.1
7.5°	3611.9	3620.4	3616.1	3605.5	3605.5	3599.1	3601.2	3607.6	3614.0	3616.1
10°	3601.2	3609.7	3597.0	3580.0	3573.6	3565.1	3567.3	3573.6	3586.4	3592.8
12.5°	3605.5	3611.9	3599.1	3573.6	3567.3	3558.8	3558.8	3565.1	3582.1	3590.6
15°	3618.2	3624.6	3605.5	3577.9	3571.5	3565.1	3563.0	3571.5	3590.6	3605.5
17.5°	3641.6	3648.0	3618.2	3580.0	3571.5	3573.6	3571.5	3577.9	3607.6	3635.2
20°	3662.8	3667.1	3626.7	3580.0	3571.5	3573.6	3571.5	3584.3	3622.5	3660.7
22.5°	3669.2	3673.4	3635.2	3594.9	3588.5	3590.6	3588.5	3601.2	3637.3	3675.6
25°	3671.3	3677.7	3648.0	3616.1	3626.7	3631.0	3626.7	3628.8	3656.5	3690.4
27.5°	3703.2	3711.7	3684.1	3656.5	3662.8	3660.7	3667.1	3673.4	3694.7	3728.6
30°	3769.0	3775.4	3752.0	3724.4	3720.2	3705.3	3724.4	3745.6	3769.0	3798.7
32.5°	3877.3	3890.0	3860.3	3830.6	3811.5	3803.0	3817.8	3853.9	3885.8	3917.6
35°	4057.8	4066.3	4038.7	3983.5	3949.5	3949.5	3962.2	4008.9	4059.9	4100.2
37.5°	4312.6	4323.2	4274.4	4208.5	4157.6	4157.6	4174.6	4223.4	4299.8	4357.2
40°	4622.6	4637.5	4575.9	4507.9	4459.1	4450.6	4471.8	4527.0	4599.2	4671.4
42.5°	4996.3	5013.3	4932.6	4873.1	4834.9	4834.9	4845.5	4896.5	4962.3	5051.5
45°	5474.1	5503.8	5393.4	5333.9	5297.8	5306.3	5312.7	5357.3	5416.7	5518.7
47.5°	6043.1	6072.9	5956.1	5894.5	5888.1	5928.5	5903.0	5934.8	5966.7	6083.5
50°	6688.6	6739.6	6658.9	6654.7	6667.4	6741.7	6682.3	6699.3	6663.2	6737.5
52.5°	7478.5	7552.8	7538.0	7563.5	7705.7	7858.6	7722.7	7663.3	7527.4	7550.7
55°	8436.2	8548.7	8569.9	8722.8	9045.6	9357.7	9068.9	8829.0	8540.2	8487.1
57.5°	9525.5	9614.6	9716.6	10028.7	10631.7	11185.9	10631.7	10100.9	9646.5	9538.2
60°	10697.6	10808.0	10905.7	11366.4	12262.5	13041.8	12245.5	11402.5	10801.6	10655.1
62.5°	11956.7	12099.0	12166.9	12678.7	13723.4	14653.4	13738.2	12716.9	12050.2	11893.0
65°	13164.9	13281.7	13358.2	13903.9	14901.9	15834.0	14969.8	13963.3	13277.5	13071.5
67.5°	13727.6	13791.3	13978.2	14596.1	15649.3	16713.1	15827.6	14661.9	13895.4	13534.4
70°	12903.8	12774.2	13224.4	14213.9	15738.5	17252.4	15942.3	14184.2	13245.6	12659.6
72.5°	9971.4	9748.4	10529.8	12222.2	14719.2	16908.4	14821.2	12317.7	11016.1	9827.0
75°	5425.2	5172.5	6251.2	8391.6	11738.0	14655.5	12007.7	8631.5	6960.4	5384.9
77.5°	1531.0	1435.4	2306.0	4059.9	7060.2	10289.9	7332.0	4149.1	2734.9	1622.3
80°	469.3	454.4	615.8	1223.1	2998.2	4928.4	2881.4	1237.9	783.5	494.7
82.5°	278.2	254.8	305.8	445.9	764.4	1547.9	743.2	465.0	373.7	250.6
85°	159.3	148.6	180.5	216.6	256.9	329.1	214.5	220.8	199.6	133.8
87.5°	65.8	59.5	70.1	67.9	59.5	76.4	57.3	67.9	80.7	53.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3726.5
3713.8
3667.1
3616.1
3592.8
3592.8
3607.6
3635.2
3662.8
3675.6
3688.3
3720.2
3792.3
3904.9
4085.4
4335.9
4648.1
5045.1
5514.4
6049.5
6692.9
7472.2
8404.3
9461.8
10527.7
11765.6
12969.6
13538.6
12799.7
10122.1
5735.2
1802.7
522.4
271.8
140.1
48.8
0.0

OF REPORT)