

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: P531011

Luminaire Tested: **GLAN-SA6B-735-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531011
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6B-735-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20313 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

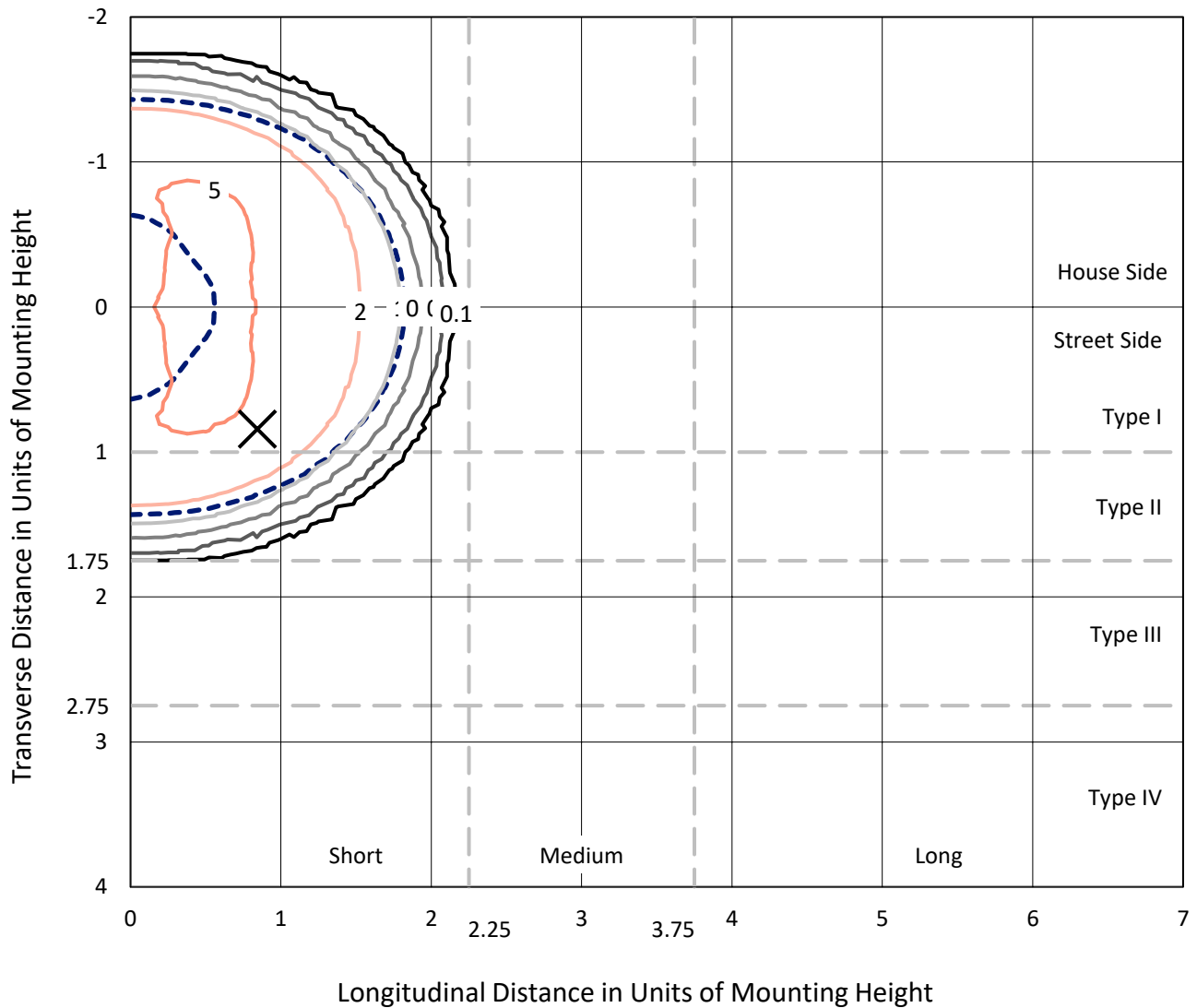
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

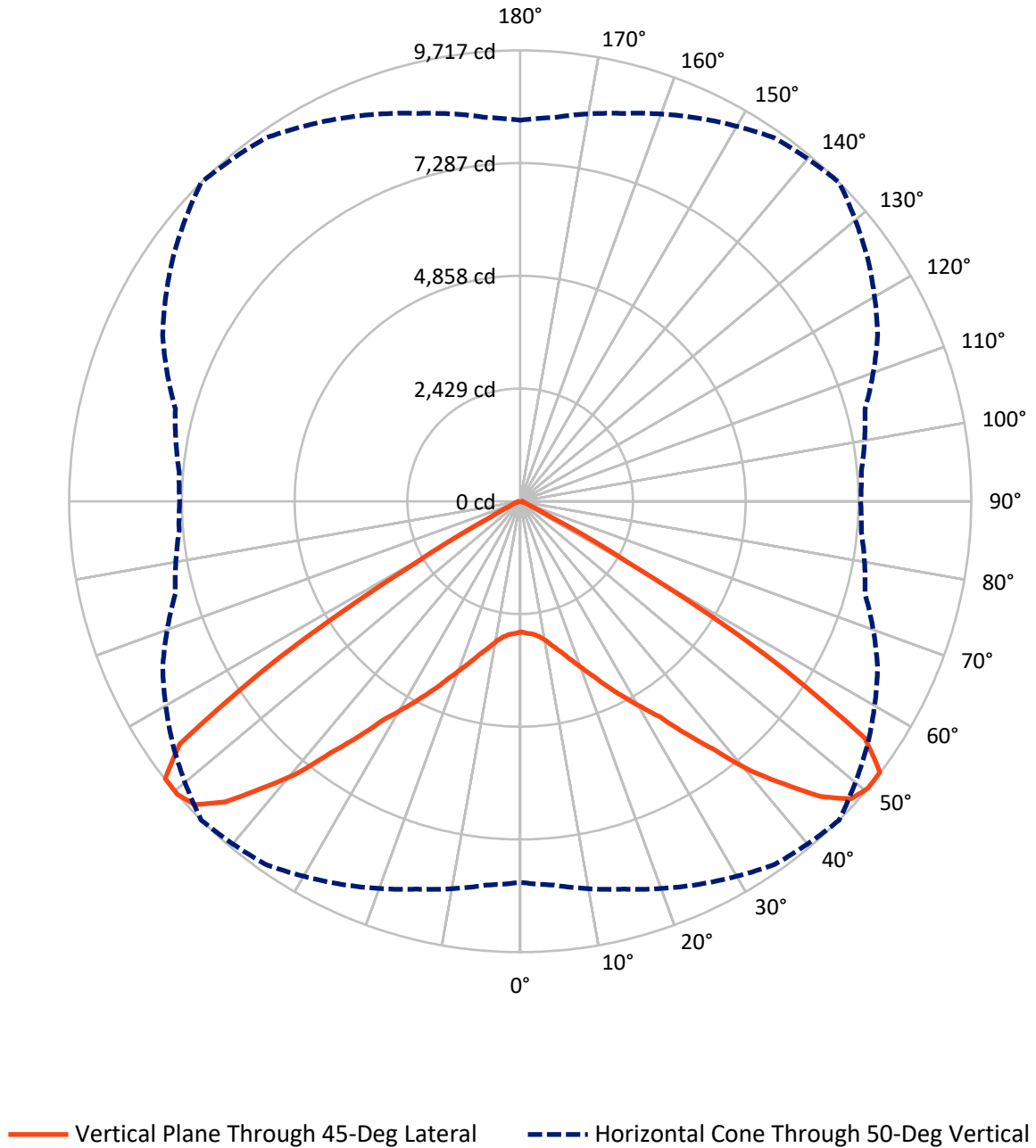
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10156.5	0.0	10156.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10156.5	0.0	10156.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	20313.0	0.0	20313.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.2	1.4
10°-20°	965.6	4.8
20°-30°	1972.2	9.7
30°-40°	3760.9	18.5
40°-50°	6337.7	31.2
50°-60°	6044.1	29.8
60°-70°	843.7	4.2
70°-80°	80.7	0.4
80°-90°	27.9	0.1
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°	20313.0	100.0
0°-180°	20313.0	100.0

Coefficient of Utilization

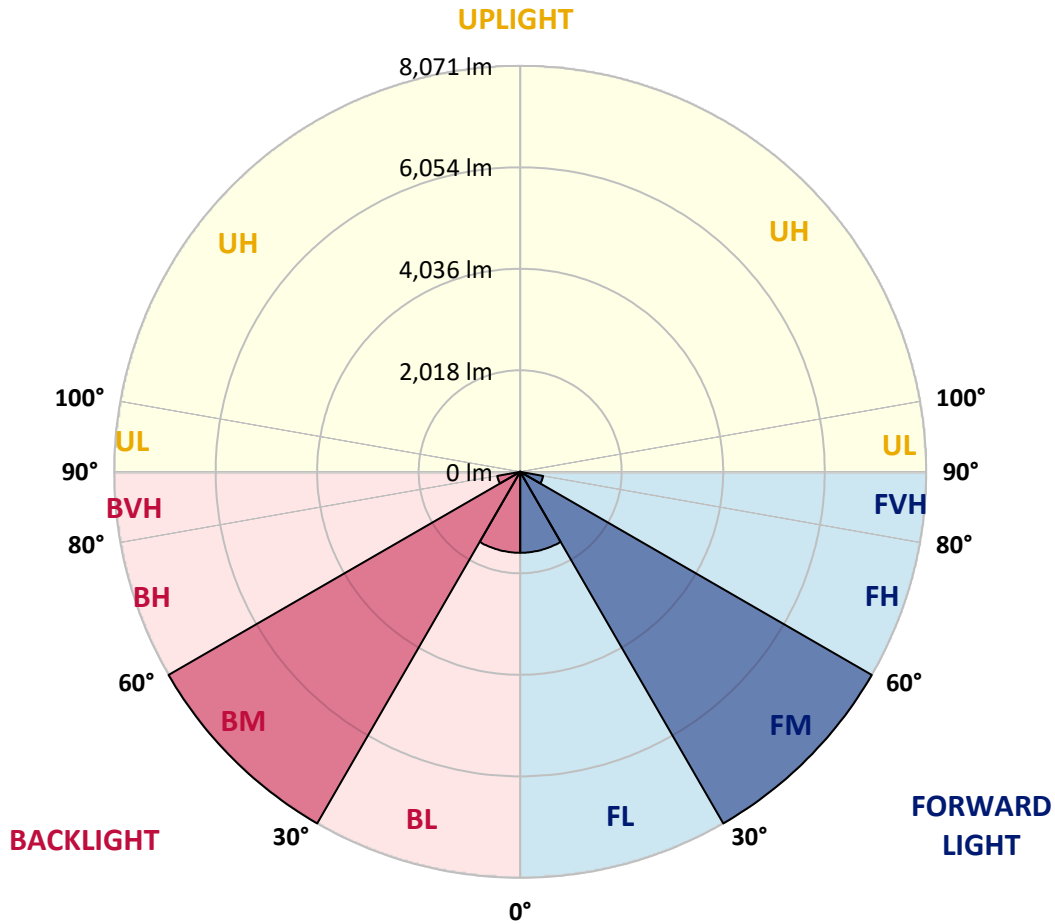


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1609.0	7.9			
FM (30°-60°)	8071.4	39.7			
FH (60°-80°)	462.2	2.3			G0/660
FVH (80°-90°)	13.9	0.1			G1/100
BL (0°-30°)	1609.0	7.9	B3/2500		
BM (30°-60°)	8071.4	39.7	B4/8500		
BH (60°-80°)	462.2	2.3	B1/500		G0/660
BVH (80°-90°)	13.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2816.2	2816.2	2816.2	2816.2	2816.2	2816.2	2816.2	2816.2	2816.2	2816.2	2816.2
2.5°	2805.9	2805.9	2802.5	2829.8	2816.2	2846.9	2843.5	2853.8	2864.0	2860.6	2887.9
5°	2782.0	2778.6	2778.6	2809.3	2840.1	2874.3	2905.0	2925.5	2959.7	2959.7	2993.9
7.5°	2805.9	2788.8	2812.8	2826.4	2884.5	2942.6	2993.9	3034.9	3113.5	3140.9	3130.6
10°	2812.8	2833.3	2850.4	2891.4	2963.1	3052.0	3096.4	3199.0	3287.8	3349.3	3363.0
12.5°	2857.2	2887.9	2935.8	3034.9	3099.8	3216.0	3277.6	3376.7	3499.7	3568.1	3615.9
15°	2942.6	2952.9	3014.4	3140.9	3281.0	3386.9	3482.6	3554.4	3674.0	3752.6	3756.0
17.5°	3052.0	3096.4	3181.9	3301.5	3448.4	3605.7	3680.8	3759.5	3803.9	3909.8	3933.8
20°	3270.7	3277.6	3359.6	3516.8	3701.4	3844.9	3899.6	3940.6	3923.5	4032.9	4053.4
22.5°	3475.8	3482.6	3585.2	3797.1	3995.3	4118.3	4142.2	4118.3	4067.0	4145.7	4152.5
25°	3684.3	3745.8	3821.0	4032.9	4278.9	4443.0	4446.4	4381.5	4275.5	4289.2	4323.4
27.5°	4008.9	4053.4	4132.0	4326.8	4596.8	4781.3	4750.6	4672.0	4535.3	4545.5	4535.3
30°	4388.3	4429.3	4494.3	4743.7	4942.0	5143.6	5188.0	5112.9	4907.8	4863.4	4914.6
32.5°	4846.3	4904.4	5024.0	5253.0	5420.5	5543.5	5574.2	5546.9	5355.5	5338.4	5372.6
35°	5403.4	5482.0	5591.3	5793.0	5929.7	6151.8	6151.8	6059.6	5885.3	5905.8	5902.3
37.5°	5991.2	6107.4	6278.3	6483.4	6667.9	6787.5	6749.9	6671.3	6497.0	6452.6	6497.0
40°	6729.4	6787.5	7002.8	7269.4	7495.0	7631.7	7471.1	7300.2	6883.2	6948.2	7067.8
42.5°	7402.7	7495.0	7659.0	7953.0	8209.3	8322.1	8130.7	7792.3	7289.9	7238.7	7327.5
45°	7976.9	8076.0	8291.3	8711.7	8981.7	9080.8	8657.0	8110.2	7536.0	7406.1	7443.7
47.5°	8359.7	8410.9	8711.7	9111.6	9357.6	9583.2	8974.8	8328.9	7652.2	7406.1	7392.5
50°	8212.7	8301.6	8653.6	9108.1	9555.9	9716.5	9135.5	8496.4	7689.8	7375.4	7334.4
52.5°	7293.3	7447.1	7840.2	8451.9	9128.6	9702.8	9357.6	8441.7	7676.1	7406.1	7467.6
55°	5075.3	5078.7	5557.2	6459.4	7655.6	9009.0	9032.9	8503.2	7765.0	7597.5	7600.9
57.5°	2040.4	2142.9	2508.6	3414.3	4518.2	6186.0	7354.9	7888.0	7775.2	7734.2	7840.2
60°	516.1	519.5	632.3	963.8	1589.2	2652.1	3851.7	5212.0	6001.5	6271.5	6309.0
62.5°	263.2	266.6	293.9	341.8	434.0	710.9	1264.5	2006.2	2853.8	3284.4	3397.2
65°	215.3	215.3	232.4	256.3	259.7	273.4	328.1	468.2	680.1	772.4	782.7
67.5°	164.0	164.0	177.7	191.4	198.2	194.8	188.0	194.8	235.8	225.6	218.7
70°	102.5	105.9	112.8	126.5	133.3	136.7	140.1	147.0	167.5	174.3	167.5
72.5°	61.5	61.5	64.9	75.2	85.4	92.3	102.5	109.4	119.6	136.7	133.3
75°	27.3	27.3	34.2	44.4	54.7	64.9	75.2	85.4	92.3	102.5	105.9
77.5°	6.8	10.3	17.1	30.8	41.0	54.7	68.4	78.6	85.4	85.4	82.0
80°	3.4	3.4	13.7	23.9	44.4	58.1	75.2	82.0	92.3	85.4	75.2
82.5°	3.4	3.4	13.7	23.9	41.0	58.1	78.6	88.9	95.7	85.4	71.8
85°	0.0	3.4	10.3	20.5	34.2	41.0	34.2	23.9	13.7	13.7	10.3
87.5°	0.0	0.0	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)