

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: P528200

Luminaire Tested: **GLAN-SA3B-735-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528200
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3B-735-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13424 lumens
Efficiency: N/A
Efficacy: 110.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

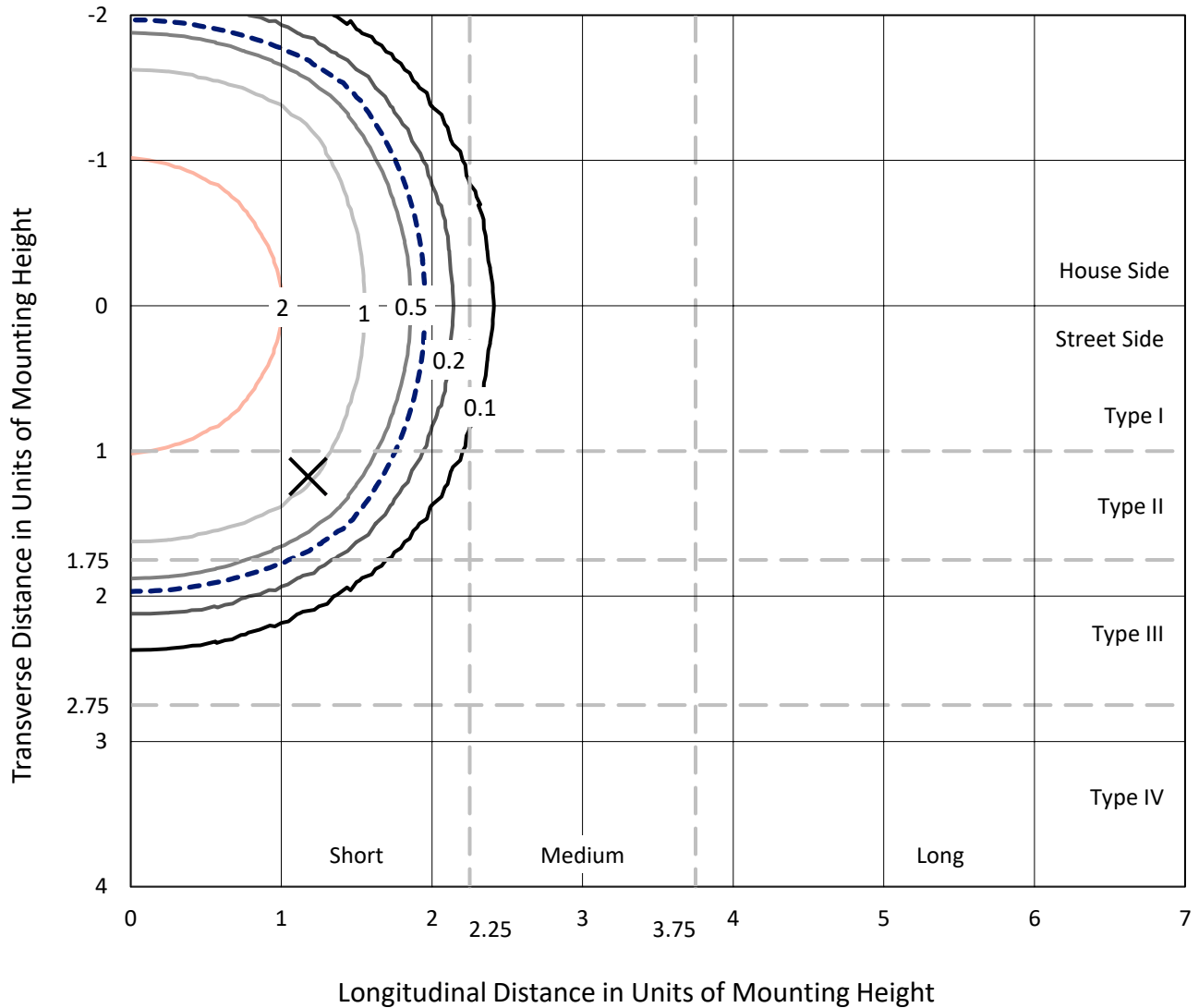
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

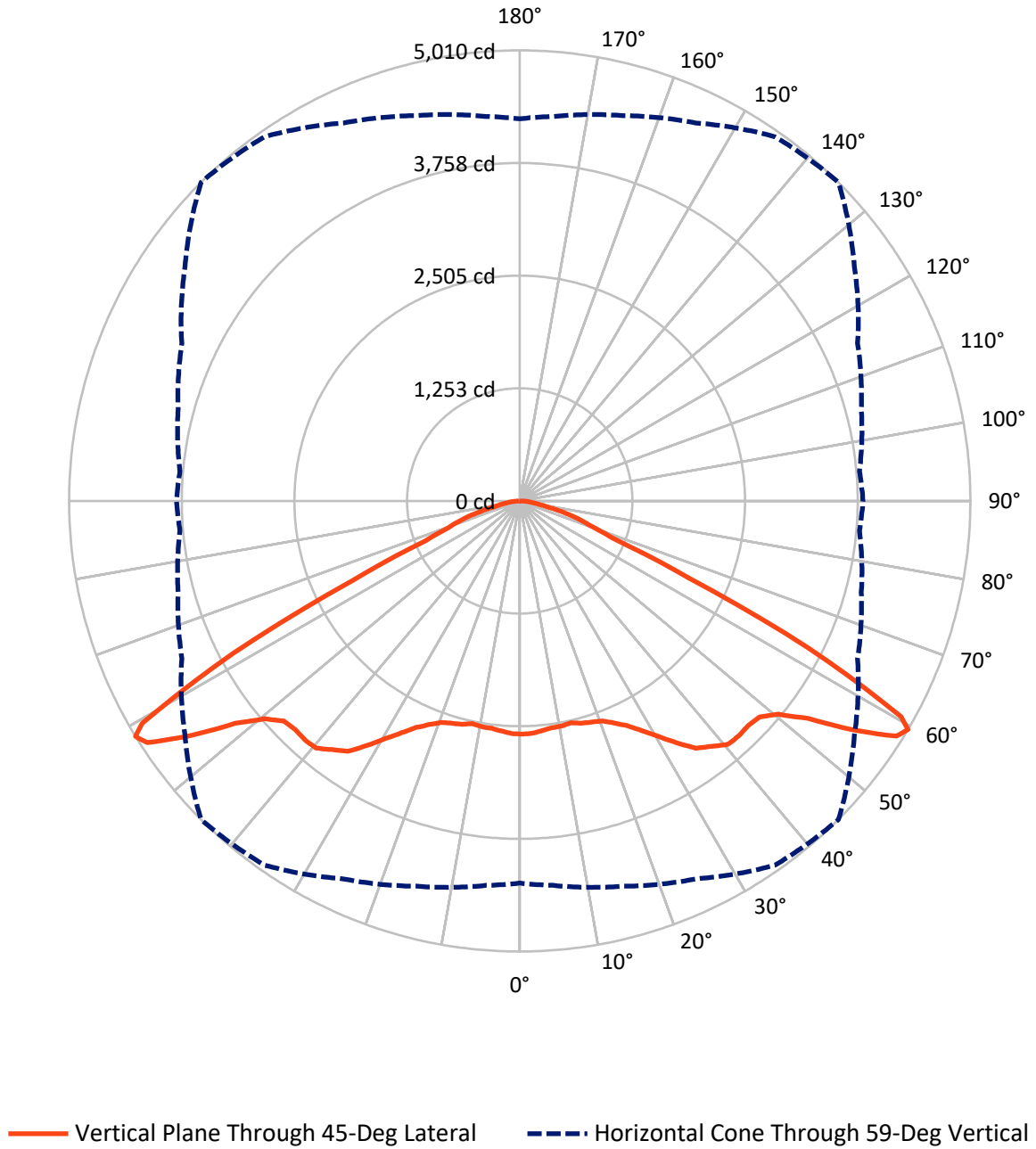
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 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	6712.0	0.0	6712.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6712.0	0.0	6712.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13424.0	0.0	13424.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.4	1.8
10°-20°	726.9	5.4
20°-30°	1269.2	9.5
30°-40°	2027.1	15.1
40°-50°	2761.3	20.6
50°-60°	3734.1	27.8
60°-70°	2047.8	15.3
70°-80°	523.9	3.9
80°-90°	89.3	0.7
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°	13424.0	100.0
0°-180°	13424.0	100.0

Coefficient of Utilization

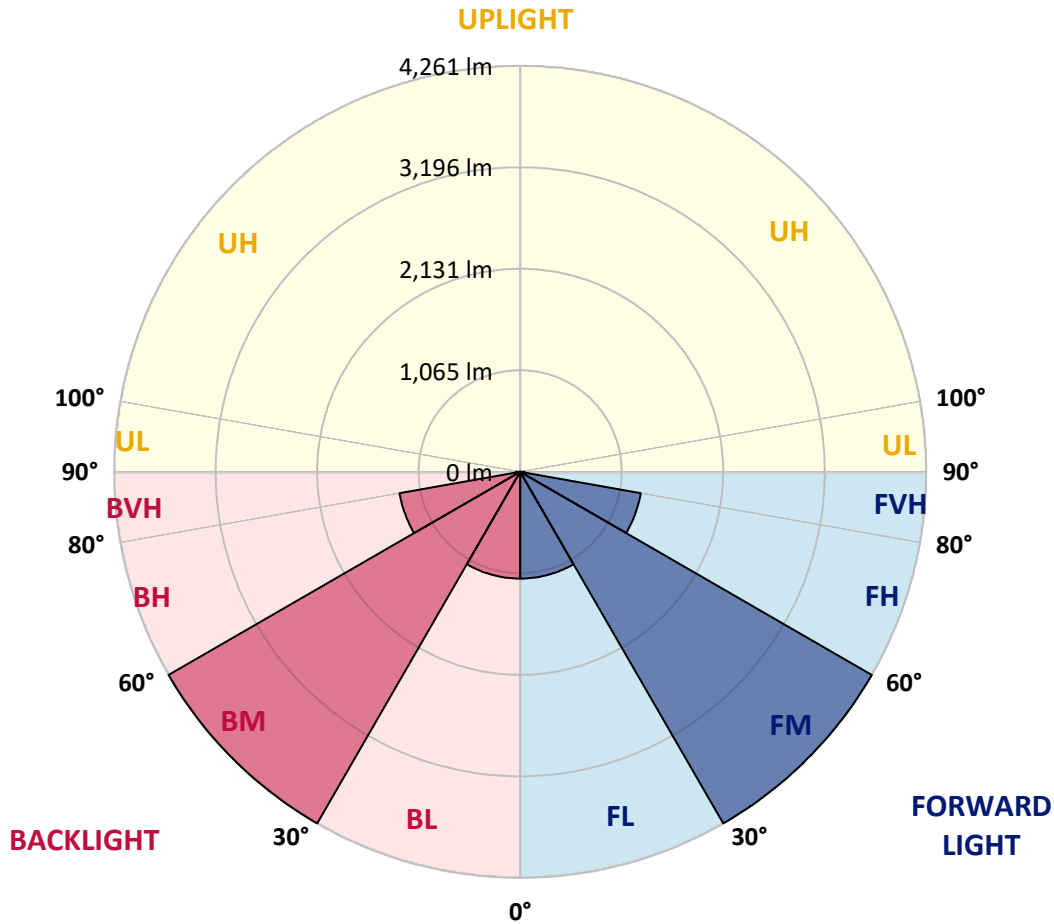


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1120.3	8.3			
FM (30°-60°)	4261.2	31.7			
FH (60°-80°)	1285.8	9.6			G1/1800
FVH (80°-90°)	44.7	0.3			G1/100
BL (0°-30°)	1120.3	8.3	B3/2500		
BM (30°-60°)	4261.2	31.7	B3/5000		
BH (60°-80°)	1285.8	9.6	B3/2500		G1/1800
BVH (80°-90°)	44.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2592.9	2592.9	2592.9	2592.9	2592.9	2592.9	2592.9	2592.9	2592.9	2592.9	2592.9
2.5°	2577.4	2596.3	2582.6	2594.6	2592.9	2587.7	2579.1	2573.9	2567.1	2577.4	2560.2
5°	2567.1	2582.6	2598.0	2577.4	2577.4	2567.1	2561.9	2551.6	2551.6	2549.9	2548.1
7.5°	2584.3	2568.8	2561.9	2565.3	2568.8	2546.4	2561.9	2541.3	2524.1	2536.1	2549.9
10°	2568.8	2575.7	2549.9	2561.9	2543.0	2546.4	2536.1	2549.9	2530.9	2530.9	2530.9
12.5°	2584.3	2565.3	2573.9	2565.3	2560.2	2530.9	2544.7	2529.2	2527.5	2544.7	2529.2
15°	2615.2	2584.3	2577.4	2560.2	2565.3	2565.3	2551.6	2553.3	2534.4	2544.7	2548.1
17.5°	2604.9	2587.7	2582.6	2561.9	2579.1	2584.3	2558.5	2541.3	2553.3	2551.6	2549.9
20°	2613.5	2620.4	2615.2	2618.7	2625.6	2611.8	2587.7	2563.6	2548.1	2570.5	2568.8
22.5°	2668.6	2661.7	2658.3	2654.8	2666.9	2680.6	2647.9	2610.1	2610.1	2625.6	2632.4
25°	2713.3	2711.6	2709.9	2725.4	2766.7	2766.7	2725.4	2677.2	2665.1	2675.5	2666.9
27.5°	2778.7	2797.6	2790.7	2818.3	2878.5	2892.3	2837.2	2780.4	2747.7	2735.7	2751.2
30°	2928.4	2906.0	2911.2	2940.4	2993.8	3038.5	2954.2	2894.0	2849.2	2847.5	2854.4
32.5°	3028.2	3045.4	3060.9	3088.4	3172.7	3207.1	3105.6	3007.5	2980.0	2964.5	2969.7
35°	3227.8	3212.3	3208.8	3236.4	3320.7	3377.4	3250.1	3164.1	3128.0	3162.4	3162.4
37.5°	3417.0	3374.0	3341.3	3377.4	3454.9	3461.8	3353.4	3306.9	3288.0	3327.6	3325.8
40°	3506.5	3503.0	3427.3	3448.0	3551.2	3561.5	3460.0	3405.0	3401.5	3453.2	3504.8
42.5°	3599.4	3566.7	3491.0	3504.8	3568.4	3571.9	3475.5	3460.0	3497.9	3547.8	3551.2
45°	3614.9	3587.4	3539.2	3504.8	3551.2	3561.5	3504.8	3515.1	3518.5	3578.8	3578.8
47.5°	3645.9	3642.4	3614.9	3589.1	3597.7	3589.1	3552.9	3568.4	3620.0	3649.3	3635.5
50°	3731.9	3695.7	3723.3	3700.9	3702.6	3726.7	3694.0	3709.5	3699.2	3673.4	3656.2
52.5°	3921.1	3903.9	3928.0	3943.5	3960.7	4015.8	3977.9	3895.3	3817.9	3749.1	3747.4
55°	4198.2	4210.2	4256.7	4335.8	4402.9	4490.6	4308.3	4110.4	3986.5	3878.1	3885.0
57.5°	4459.7	4451.1	4514.7	4695.4	4891.5	4936.3	4578.4	4296.2	4094.9	4026.1	3996.8
59°	4249.8	4291.1	4435.6	4636.9	4944.9	5010.3	4542.3	4144.8	3931.5	3792.1	3816.2
60°	3919.4	3934.9	4063.9	4344.4	4760.8	4872.6	4299.7	3910.8	3626.9	3546.1	3582.2
62.5°	2770.1	2758.0	2851.0	3079.8	3453.2	3604.6	3196.8	2923.2	2744.3	2654.8	2675.5
65°	1472.8	1527.9	1565.7	1708.5	1906.4	2066.4	1897.8	1779.1	1679.3	1605.3	1603.6
67.5°	994.5	987.6	996.2	1028.9	1096.0	1140.7	1137.3	1077.1	1068.5	1054.7	1070.2
70°	837.9	834.5	819.0	819.0	832.7	843.1	855.1	862.0	875.8	893.0	891.2
72.5°	679.6	671.0	660.7	655.5	672.7	677.9	693.4	700.3	712.3	710.6	726.1
75°	449.1	449.1	461.1	474.9	480.0	490.4	492.1	512.7	512.7	516.2	502.4
77.5°	251.2	244.3	252.9	266.7	278.7	297.7	316.6	332.1	340.7	337.2	337.2
80°	146.2	146.2	154.8	170.3	185.8	203.0	216.8	228.8	237.4	234.0	227.1
82.5°	91.2	91.2	99.8	115.3	127.3	137.6	156.6	172.1	182.4	178.9	170.3
85°	46.5	46.5	56.8	67.1	82.6	89.5	87.7	80.9	79.1	70.5	70.5
87.5°	12.0	12.0	17.2	18.9	15.5	17.2	17.2	17.2	17.2	17.2	18.9
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)