

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: P316200

Luminaire Tested: **GAN-SA6B-750-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316200
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-750-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36001 lumens
Efficiency: N/A
Efficacy: 144.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

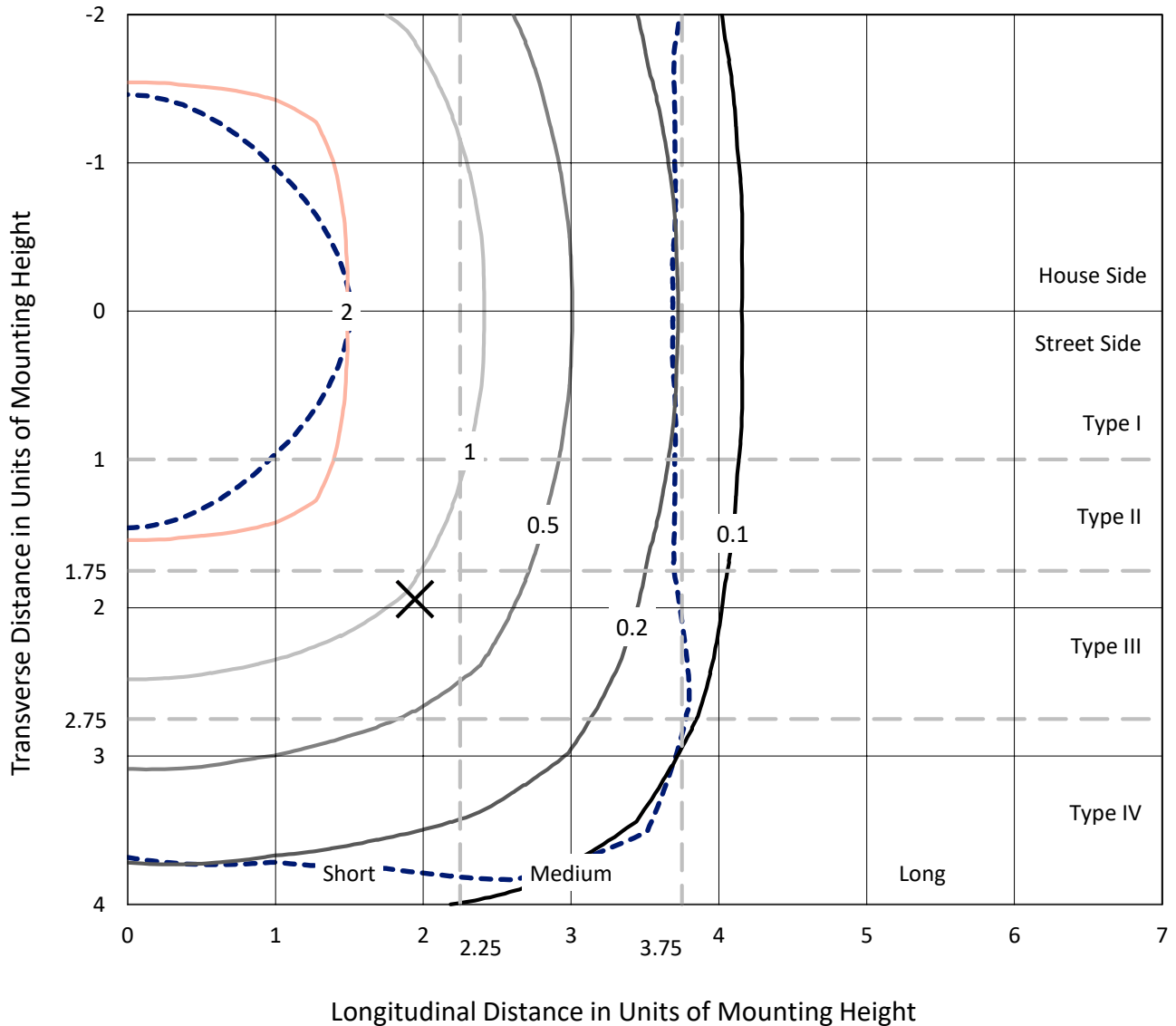
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

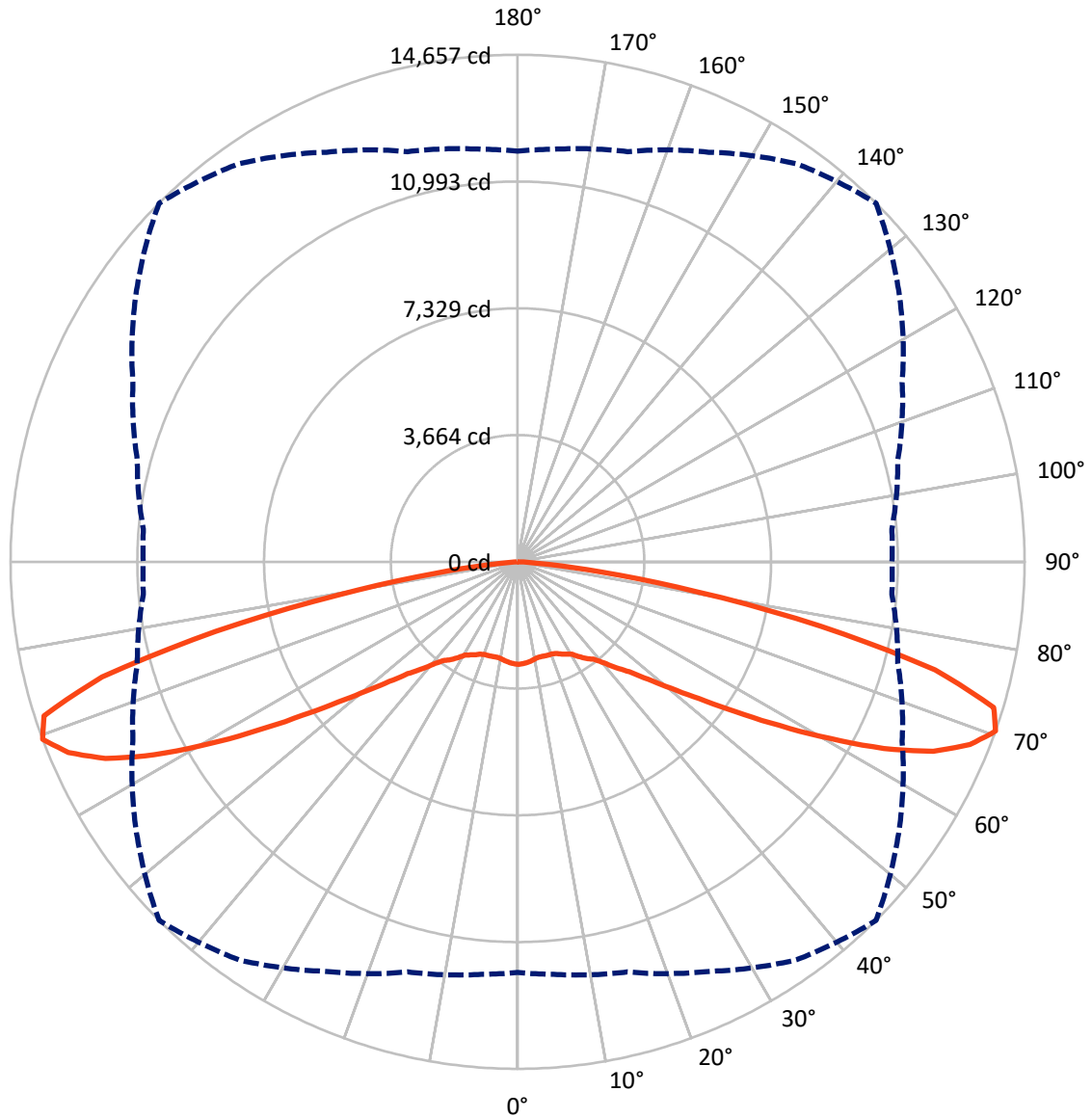
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 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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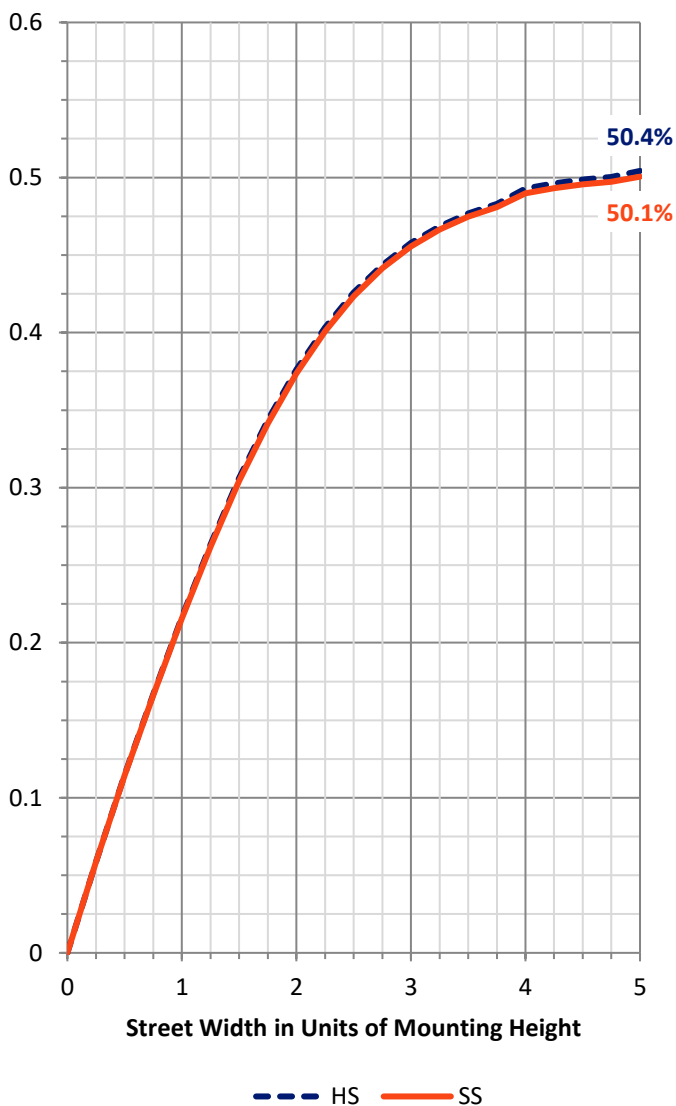
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18000.5	0.0	18000.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18000.5	0.0	18000.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	36001.0	0.0	36001.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.5	0.8
10°-20°	807.8	2.2
20°-30°	1377.2	3.8
30°-40°	2151.9	6.0
40°-50°	3647.1	10.1
50°-60°	6650.7	18.5
60°-70°	11449.6	31.8
70°-80°	8974.7	24.9
80°-90°	665.5	1.8
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°	36001.0	100.0
0°-180°	36001.0	100.0

Coefficient of Utilization



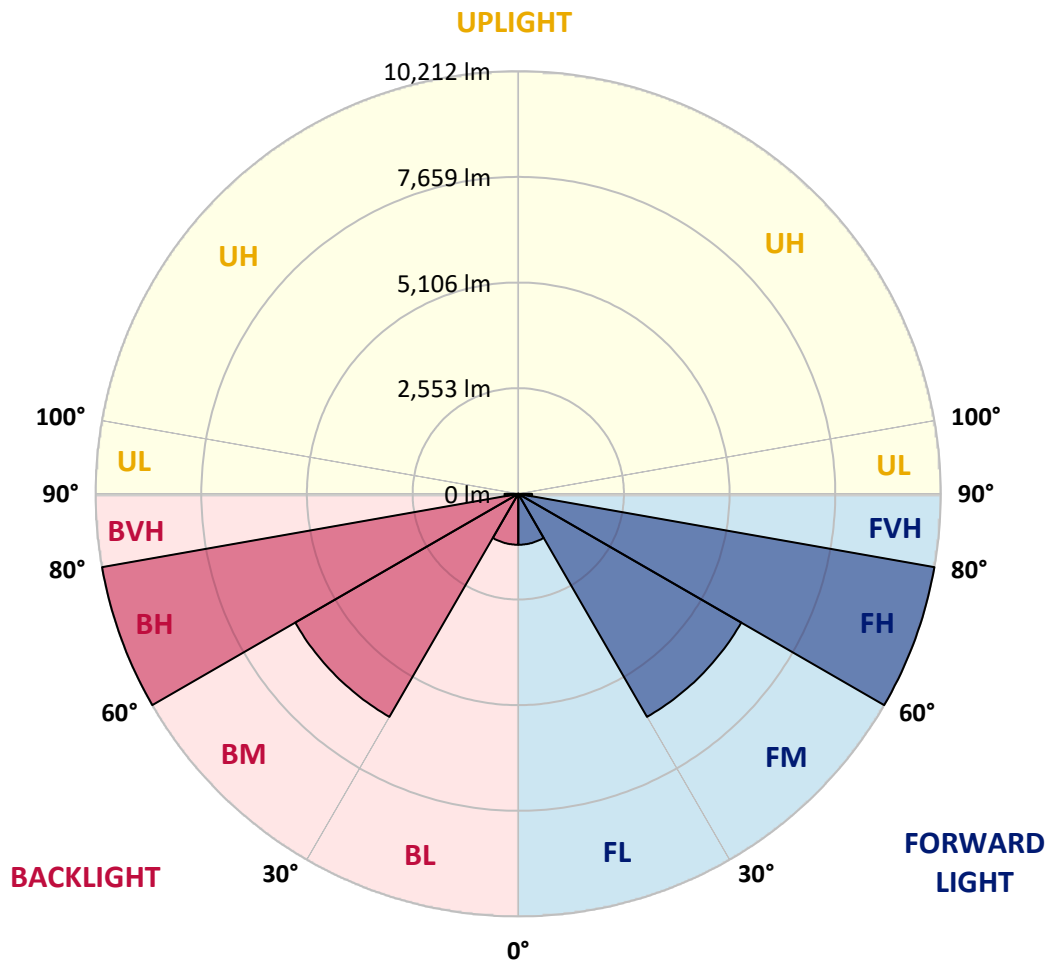
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1230.8	3.4			
FM (30°-60°)	6224.9	17.3			
FH (60°-80°)	10212.1	28.4			G4/12000
FVH (80°-90°)	332.7	0.9			G3/500
BL (0°-30°)	1230.8	3.4	B3/2500		
BM (30°-60°)	6224.9	17.3	B4/8500		
BH (60°-80°)	10212.1	28.4	B5		G4/12000
BVH (80°-90°)	332.7	0.9			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°	90°
0°	2962.9	2962.9	2962.9	2962.9	2962.9	2962.9	2962.9	2962.9	2962.9	2962.9	2962.9
2.5°	2949.8	2953.4	2949.8	2952.2	2946.2	2948.6	2948.6	2948.6	2947.4	2948.6	2946.2
5°	2923.6	2926.0	2921.2	2923.6	2920.0	2923.6	2924.8	2923.6	2921.2	2922.4	2917.6
7.5°	2884.3	2886.7	2883.1	2886.7	2881.9	2887.9	2886.7	2883.1	2879.5	2879.5	2874.8
10°	2862.9	2864.0	2854.5	2850.9	2840.2	2842.6	2846.2	2849.8	2853.3	2860.5	2859.3
12.5°	2864.0	2864.0	2849.8	2834.3	2818.8	2822.4	2828.3	2841.4	2855.7	2868.8	2870.0
15°	2876.0	2874.8	2853.3	2828.3	2817.6	2828.3	2831.9	2840.2	2862.9	2885.5	2886.7
17.5°	2884.3	2884.3	2850.9	2822.4	2821.2	2837.8	2836.7	2840.2	2865.2	2898.6	2899.8
20°	2899.8	2899.8	2856.9	2825.9	2825.9	2843.8	2845.0	2850.9	2876.0	2912.9	2918.8
22.5°	2934.3	2935.5	2890.2	2865.2	2867.6	2878.3	2881.9	2891.4	2914.1	2954.6	2961.7
25°	2983.1	2985.5	2939.1	2924.8	2933.1	2953.4	2951.0	2958.1	2983.1	3022.4	3029.6
27.5°	3051.0	3045.1	3002.2	2996.2	3004.6	3018.9	3017.7	3018.9	3039.1	3074.8	3083.2
30°	3139.1	3136.8	3105.8	3109.4	3105.8	3101.0	3102.2	3111.7	3122.5	3151.0	3159.4
32.5°	3224.9	3227.3	3208.2	3226.1	3252.3	3270.1	3242.7	3216.5	3204.6	3220.1	3227.3
35°	3379.7	3385.6	3355.9	3344.0	3379.7	3432.1	3354.7	3311.8	3335.6	3355.9	3361.8
37.5°	3642.9	3646.4	3596.4	3548.8	3522.6	3572.6	3495.2	3498.8	3582.1	3620.2	3619.1
40°	3943.0	3944.2	3910.8	3869.1	3823.9	3835.8	3804.8	3814.4	3869.1	3903.7	3913.2
42.5°	4300.2	4296.7	4244.3	4184.7	4171.6	4183.5	4131.1	4124.0	4187.1	4249.0	4250.2
45°	4763.5	4755.1	4687.3	4621.8	4558.7	4532.5	4519.4	4553.9	4640.8	4698.0	4699.2
47.5°	5262.5	5239.8	5204.1	5151.7	5096.9	5070.7	5049.3	5066.0	5129.1	5151.7	5154.1
50°	5775.7	5780.5	5787.6	5767.4	5747.1	5738.8	5682.8	5650.7	5669.7	5628.1	5622.1
52.5°	6384.3	6393.8	6462.9	6521.2	6555.7	6573.6	6467.6	6356.9	6294.9	6214.0	6190.1
55°	7102.4	7117.8	7219.1	7381.0	7547.7	7635.9	7444.1	7236.9	7045.2	6894.0	6845.1
57.5°	7902.6	7930.0	8069.3	8380.2	8721.9	8930.3	8606.4	8230.1	7859.7	7641.8	7603.7
60°	8841.0	8867.2	9060.1	9505.5	10059.3	10372.5	9881.8	9266.2	8805.3	8596.9	8526.6
62.5°	9958.1	9960.4	10197.4	10717.8	11449.0	11884.9	11220.4	10397.5	9922.3	9671.1	9603.2
65°	11159.7	11165.6	11410.9	11973.0	12729.2	13203.2	12452.9	11595.5	11014.4	10644.0	10591.6
67.5°	12008.7	12033.8	12292.2	12968.6	13676.0	14103.5	13327.0	12357.7	11686.0	11244.2	11200.1
70°	11873.0	11970.6	12274.3	13063.9	14047.5	14657.2	13468.8	12267.2	11381.2	10859.6	10822.6
72.5°	10354.6	10541.6	10946.5	11982.5	13555.7	14395.2	12695.9	10987.0	9984.3	9540.1	9473.4
75°	7051.1	7354.8	7965.7	9460.3	11581.2	12463.7	10688.1	8760.0	7816.9	7202.4	7157.1
77.5°	3143.9	3213.0	3987.0	5707.8	7991.9	8950.6	7765.7	5730.5	4301.4	3430.9	3247.5
80°	876.5	887.2	1183.7	2125.7	4000.1	5258.9	4294.3	2232.9	1255.2	884.8	833.6
82.5°	278.7	302.5	369.2	551.4	1344.5	2399.6	1380.2	595.4	424.0	338.2	304.9
85°	135.8	134.6	187.0	223.9	343.0	531.1	365.6	276.3	241.7	160.8	145.3
87.5°	57.2	58.4	86.9	78.6	100.0	85.7	117.9	123.9	129.8	71.5	61.9
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)