

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: P317159

Luminaire Tested: **GAN-SA5B-750-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317159
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA5B-750-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29195 lumens
Efficiency: N/A
Efficacy: 139.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

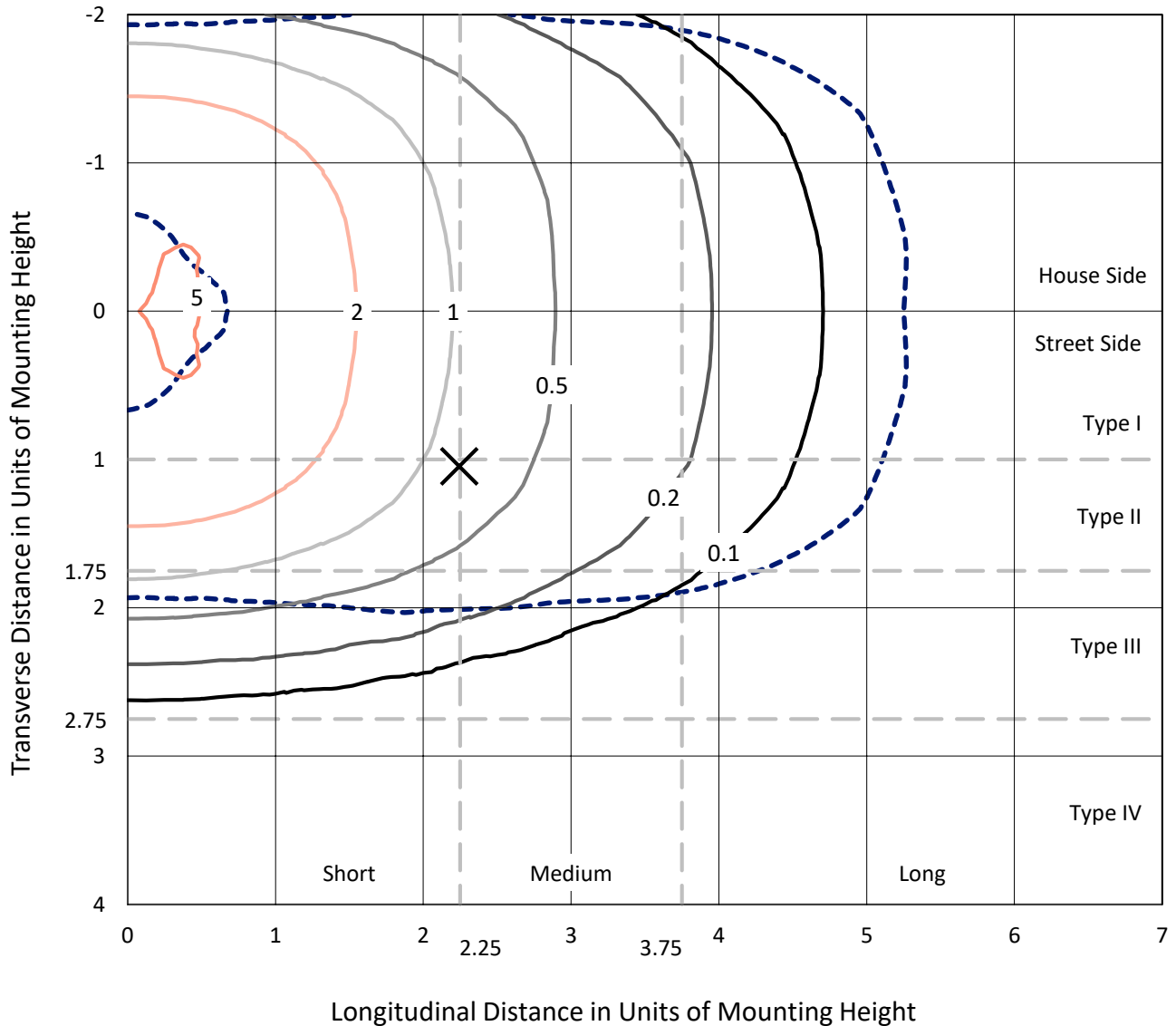
Input Watts (W): 210
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

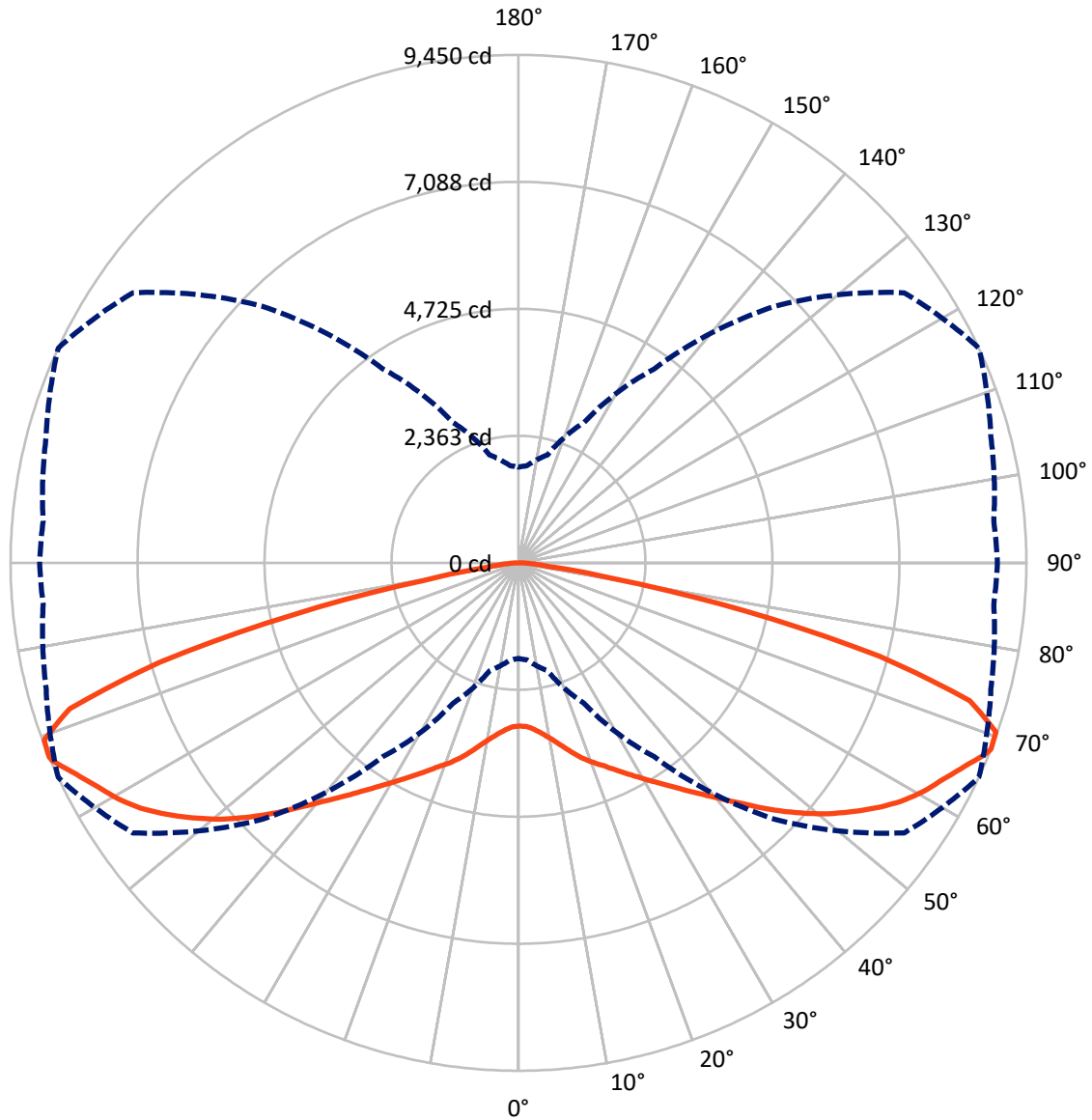
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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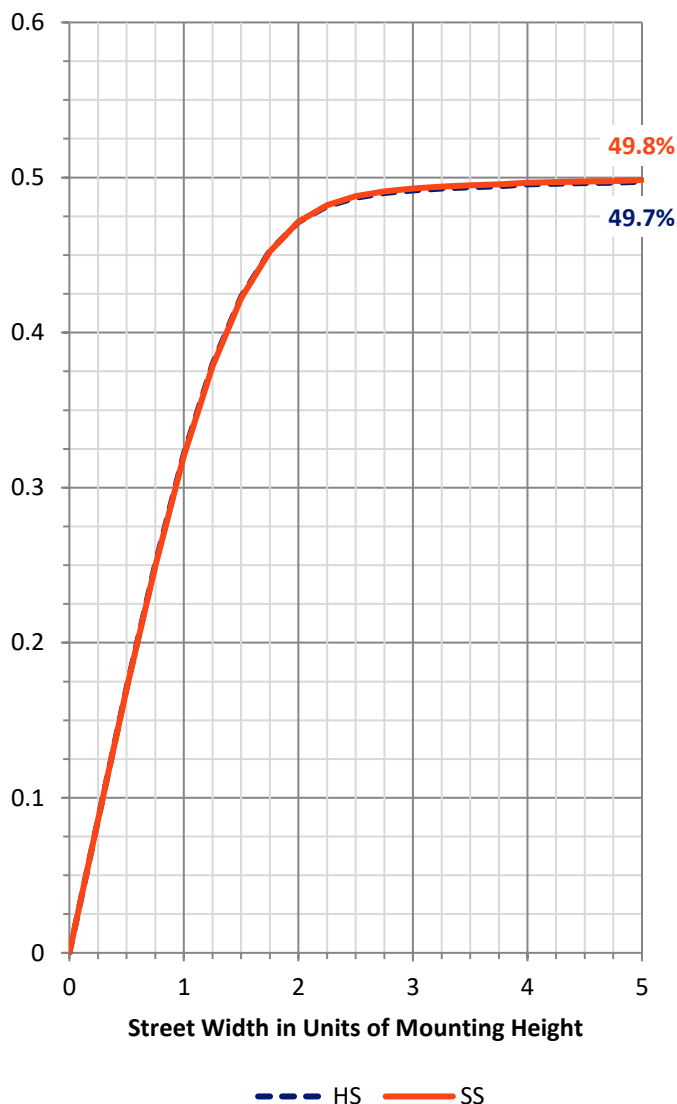
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14597.5	0.0	14597.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14597.5	0.0	14597.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29195.0	0.0	29195.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.2	1.0
10°-20°	995.2	3.4
20°-30°	1940.3	6.6
30°-40°	3259.6	11.2
40°-50°	5136.0	17.6
50°-60°	6868.5	23.5
60°-70°	6677.0	22.9
70°-80°	3650.0	12.5
80°-90°	371.2	1.3
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°	29195.0	100.0
0°-180°	29195.0	100.0

Coefficient of Utilization



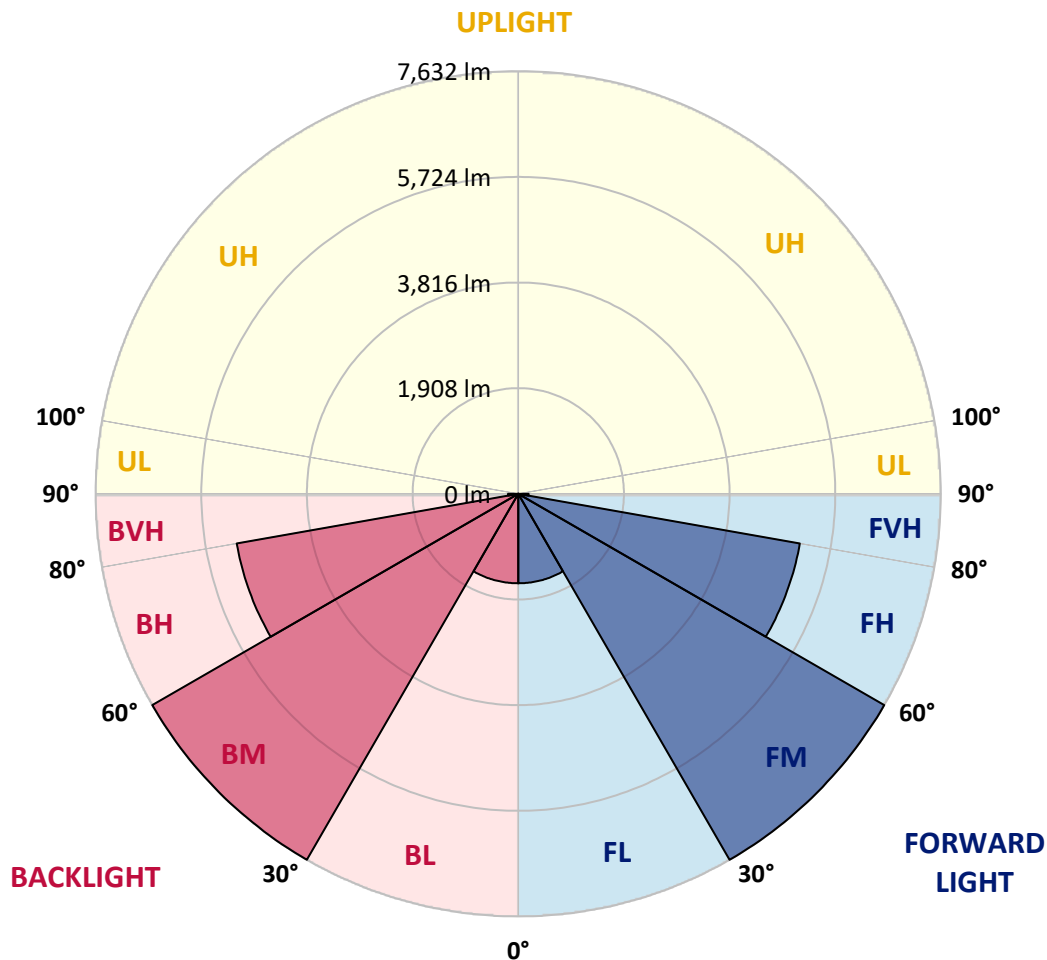
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1616.3	5.5			
FM (30°-60°)	7632.0	26.1			
FH (60°-80°)	5163.5	17.7			G3/7500
FVH (80°-90°)	185.6	0.6			G2/225
BL (0°-30°)	1616.3	5.5	B3/2500		
BM (30°-60°)	7632.0	26.1	B4/8500		
BH (60°-80°)	5163.5	17.7	B5		G5
BVH (80°-90°)	185.6	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3035.6	3035.6	3035.6	3035.6	3035.6	3035.6	3035.6	3035.6	3035.6	3035.6	3035.6
2.5°	3014.1	3015.0	3019.9	3025.8	3030.7	3043.4	3046.4	3051.3	3053.2	3058.1	3058.1
5°	2987.6	2989.6	3001.3	3017.0	3034.6	3065.9	3088.5	3113.9	3126.6	3140.3	3139.4
7.5°	2984.7	2989.6	3006.2	3031.7	3061.0	3112.9	3159.9	3210.8	3245.1	3276.4	3274.4
10°	3015.0	3022.9	3046.4	3084.5	3128.6	3193.2	3262.7	3331.2	3390.9	3438.9	3440.9
12.5°	3061.0	3070.8	3108.0	3165.8	3232.4	3315.6	3397.8	3475.1	3557.4	3628.8	3634.7
15°	3121.7	3134.5	3190.3	3276.4	3378.2	3477.1	3565.2	3644.5	3739.4	3838.3	3848.1
17.5°	3211.8	3229.4	3302.8	3419.3	3553.4	3662.1	3754.1	3813.8	3893.1	3994.9	4013.5
20°	3348.8	3371.4	3464.4	3603.4	3766.8	3880.4	3950.9	3963.6	4002.8	4093.8	4115.3
22.5°	3527.0	3546.6	3650.3	3815.8	3998.8	4122.2	4159.4	4108.5	4104.6	4178.0	4198.5
25°	3725.7	3743.3	3863.7	4049.7	4246.5	4382.6	4381.6	4282.7	4214.2	4271.0	4292.5
27.5°	3948.9	3976.3	4091.8	4287.6	4498.1	4632.2	4624.4	4471.7	4341.5	4356.1	4374.7
30°	4205.4	4235.7	4348.3	4547.0	4757.5	4888.7	4878.9	4677.2	4481.4	4442.3	4456.0
32.5°	4523.5	4559.8	4666.5	4862.2	5048.2	5166.7	5138.3	4900.4	4649.8	4564.6	4577.4
35°	4906.3	4927.8	5040.4	5233.2	5384.0	5465.2	5405.5	5158.8	4863.2	4760.4	4760.4
37.5°	5293.9	5310.6	5436.9	5623.8	5769.7	5812.8	5696.3	5441.7	5142.2	4996.3	4999.3
40°	5665.9	5710.9	5852.9	6044.8	6188.7	6200.4	6045.7	5764.8	5452.5	5301.8	5319.4
42.5°	6054.5	6098.6	6267.9	6485.3	6612.5	6632.1	6451.0	6127.0	5803.0	5680.6	5700.2
45°	6401.1	6436.3	6632.1	6884.7	7043.2	7094.1	6879.8	6542.0	6181.8	6062.4	6067.3
47.5°	6642.9	6688.9	6904.2	7201.8	7432.8	7511.2	7300.7	6946.3	6554.8	6409.9	6422.6
50°	6862.1	6886.6	7104.9	7429.9	7723.6	7885.1	7705.0	7345.7	6931.6	6778.0	6791.7
52.5°	6984.5	7015.8	7227.3	7566.0	7913.5	8173.9	8064.2	7705.0	7295.8	7146.0	7162.7
55°	6899.3	6922.8	7176.4	7596.3	8031.0	8352.0	8368.7	8056.4	7653.1	7521.9	7568.9
57.5°	6511.7	6541.1	6850.4	7400.5	8045.6	8472.4	8597.7	8382.4	7986.9	7880.2	7907.6
60°	5905.8	5924.3	6254.2	6872.9	7759.8	8522.4	8743.6	8648.7	8313.9	8207.2	8244.4
62.5°	4826.0	4853.4	5247.9	6077.1	7155.8	8374.6	8884.6	8868.9	8618.3	8520.4	8553.7
65°	3298.9	3346.9	3783.5	4831.9	6224.9	7922.3	9012.8	9125.4	8887.5	8764.2	8808.2
67.5°	1992.1	2027.3	2343.5	3190.3	4763.4	7010.0	8880.7	9417.1	9077.4	8878.7	8914.9
68°	1780.6	1812.9	2077.2	2879.0	4406.1	6752.5	8760.2	9450.4	9098.0	8876.7	8909.0
70°	1075.8	1097.4	1274.5	1779.7	2937.7	5356.6	7938.9	9423.0	9229.1	8904.1	8922.7
72.5°	700.9	707.8	737.1	913.3	1500.7	2995.5	5958.6	8780.8	9425.9	9063.7	9060.8
75°	582.5	578.5	581.5	602.0	740.1	1313.7	3482.0	6936.5	8985.4	8812.1	8750.5
77.5°	492.4	489.5	488.5	489.5	495.3	634.3	1511.4	4320.9	6875.8	7795.0	7849.9
80°	398.4	394.5	407.2	401.4	383.7	394.5	633.4	1797.3	3241.2	3486.9	3267.6
82.5°	289.8	275.1	329.9	314.2	299.5	278.0	349.5	580.5	773.3	530.6	373.0
85°	223.2	207.5	250.6	240.8	205.6	141.9	207.5	283.9	313.3	179.1	141.0
87.5°	91.0	95.9	181.1	142.9	120.4	68.5	85.2	113.6	152.7	76.4	58.7
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)