

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: P317119

Luminaire Tested: **GAN-SA5B-740-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317119
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-740-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29196 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

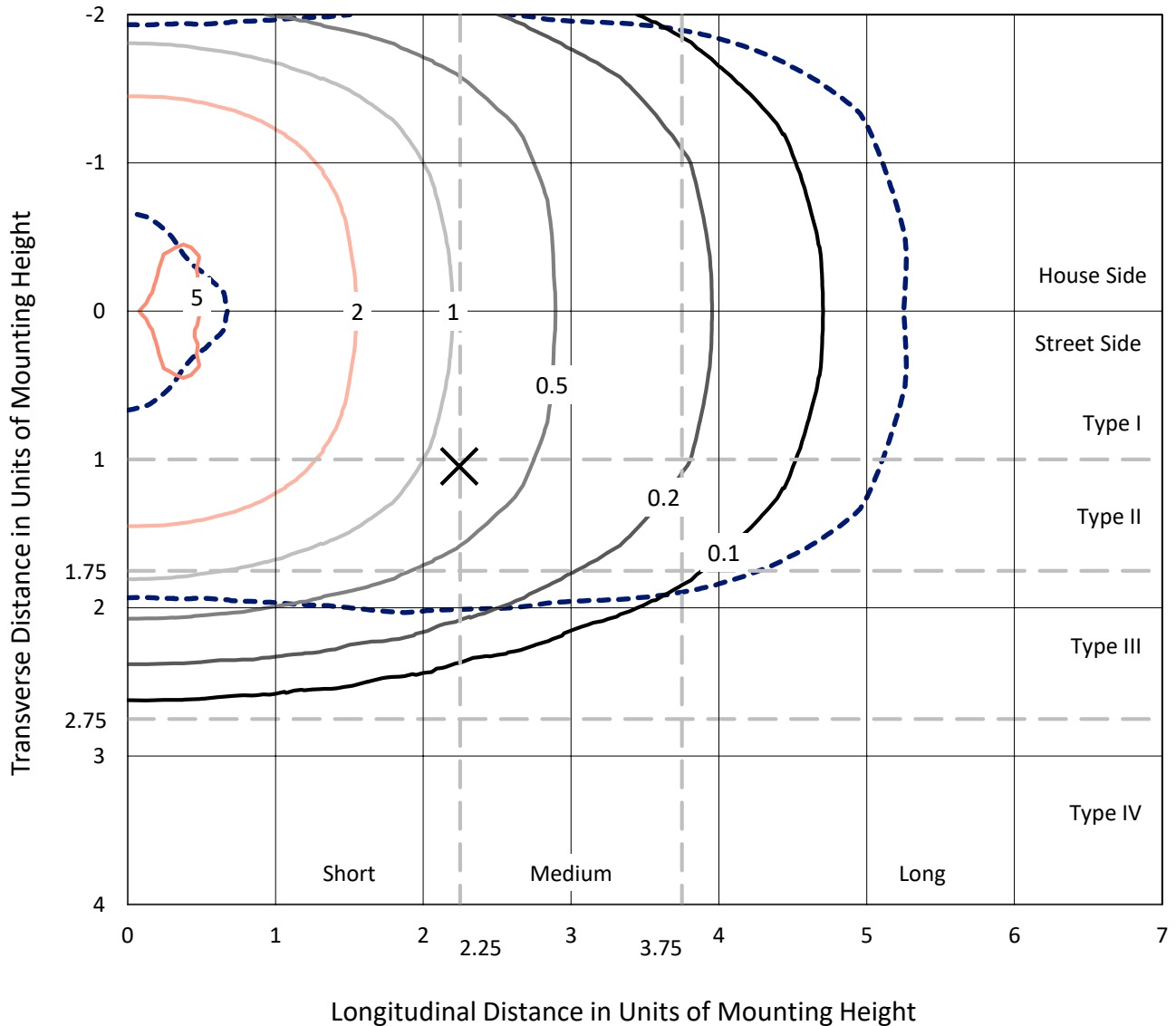
Input Watts (W): 210
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

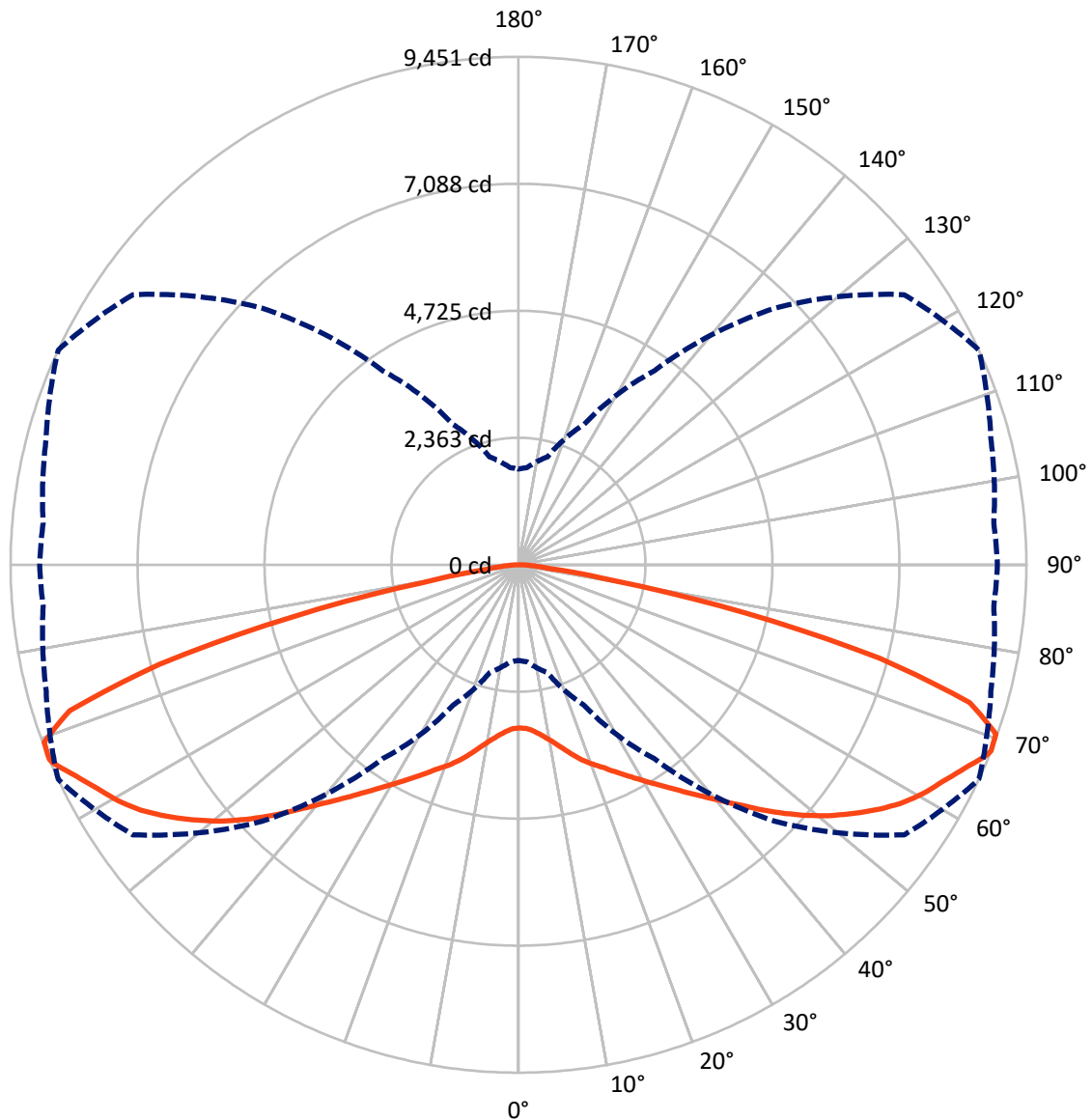
✕ Max cd
 - - - 1/2 Max cd



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	14598.0	0.0	14598.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14598.0	0.0	14598.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29196.0	0.0	29196.0
	% 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°	1940.4	6.6
30°-40°	3259.7	11.2
40°-50°	5136.1	17.6
50°-60°	6868.7	23.5
60°-70°	6677.3	22.9
70°-80°	3650.1	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°	29196.0	100.0
0°-180°	29196.0	100.0

Coefficient of Utilization



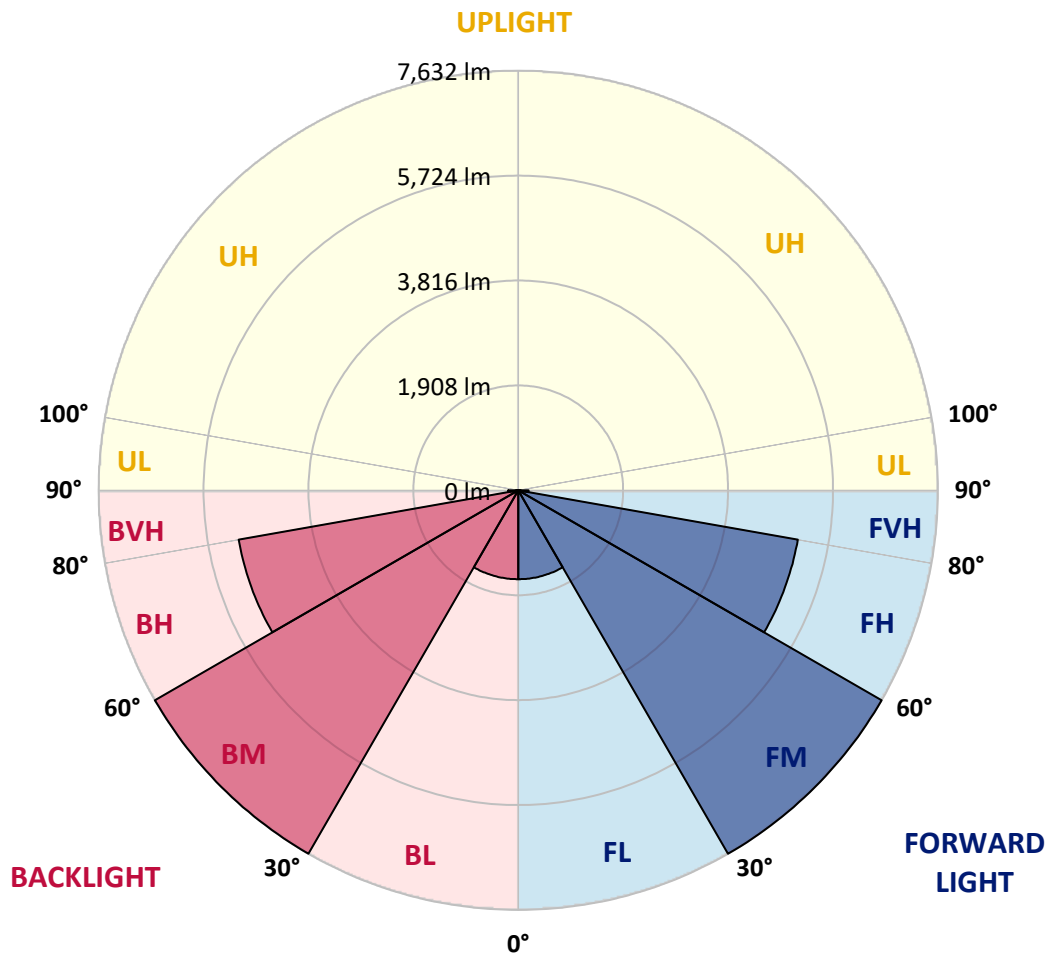
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1616.4	5.5			
FM (30°-60°)	7632.3	26.1			
FH (60°-80°)	5163.7	17.7			G3/7500
FVH (80°-90°)	185.6	0.6			G2/225
BL (0°-30°)	1616.4	5.5	B3/2500		
BM (30°-60°)	7632.3	26.1	B4/8500		
BH (60°-80°)	5163.7	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°	3035.7	3035.7	3035.7	3035.7	3035.7	3035.7	3035.7	3035.7	3035.7	3035.7	3035.7
2.5°	3014.2	3015.1	3020.0	3025.9	3030.8	3043.5	3046.5	3051.4	3053.3	3058.2	3058.2
5°	2987.7	2989.7	3001.4	3017.1	3034.7	3066.0	3088.6	3114.0	3126.7	3140.4	3139.5
7.5°	2984.8	2989.7	3006.3	3031.8	3061.1	3113.0	3160.0	3210.9	3245.2	3276.5	3274.6
10°	3015.1	3023.0	3046.5	3084.6	3128.7	3193.3	3262.8	3331.3	3391.1	3439.0	3441.0
12.5°	3061.1	3070.9	3108.1	3165.9	3232.5	3315.7	3397.9	3475.2	3557.5	3628.9	3634.8
15°	3121.8	3134.6	3190.4	3276.5	3378.3	3477.2	3565.3	3644.6	3739.6	3838.4	3848.2
17.5°	3211.9	3229.5	3302.9	3419.4	3553.6	3662.2	3754.2	3814.0	3893.2	3995.1	4013.7
20°	3349.0	3371.5	3464.5	3603.5	3767.0	3880.5	3951.0	3963.7	4002.9	4093.9	4115.5
22.5°	3527.1	3546.7	3650.5	3815.9	3999.0	4122.3	4159.5	4108.6	4104.7	4178.1	4198.7
25°	3725.9	3743.5	3863.9	4049.9	4246.6	4382.7	4381.7	4282.9	4214.3	4271.1	4292.7
27.5°	3949.0	3976.5	4092.0	4287.8	4498.2	4632.4	4624.5	4471.8	4341.6	4356.3	4374.9
30°	4205.5	4235.9	4348.5	4547.2	4757.7	4888.8	4879.0	4677.4	4481.6	4442.4	4456.1
32.5°	4523.7	4559.9	4666.6	4862.4	5048.4	5166.9	5138.5	4900.6	4650.0	4564.8	4577.5
35°	4906.5	4928.0	5040.6	5233.4	5384.2	5465.4	5405.7	5159.0	4863.4	4760.6	4760.6
37.5°	5294.1	5310.8	5437.0	5624.0	5769.9	5813.0	5696.5	5441.9	5142.4	4996.5	4999.5
40°	5666.1	5711.1	5853.1	6045.0	6188.9	6200.6	6045.9	5765.0	5452.7	5301.9	5319.6
42.5°	6054.8	6098.8	6268.2	6485.5	6612.7	6632.3	6451.2	6127.2	5803.2	5680.8	5700.4
45°	6401.3	6436.5	6632.3	6884.9	7043.5	7094.4	6880.0	6542.3	6182.0	6062.6	6067.5
47.5°	6643.1	6689.1	6904.5	7202.1	7433.1	7511.4	7300.9	6946.6	6555.0	6410.1	6422.8
50°	6862.4	6886.9	7105.2	7430.2	7723.8	7885.4	7705.2	7346.0	6931.9	6778.2	6791.9
52.5°	6984.7	7016.1	7227.5	7566.2	7913.8	8174.2	8064.5	7705.2	7296.0	7146.3	7162.9
55°	6899.6	6923.1	7176.6	7596.6	8031.2	8352.3	8369.0	8056.7	7653.4	7522.2	7569.2
57.5°	6511.9	6541.3	6850.6	7400.8	8045.9	8472.7	8598.0	8382.7	7987.2	7880.5	7907.9
60°	5906.0	5924.6	6254.5	6873.1	7760.1	8522.7	8743.9	8648.9	8314.1	8207.4	8244.6
62.5°	4826.2	4853.6	5248.1	6077.3	7156.1	8374.8	8884.9	8869.2	8618.6	8520.7	8554.0
65°	3299.0	3347.0	3783.6	4832.1	6225.1	7922.6	9013.1	9125.7	8887.8	8764.5	8808.5
67.5°	1992.1	2027.4	2343.6	3190.4	4763.5	7010.2	8881.0	9417.4	9077.7	8879.0	8915.2
68°	1780.7	1813.0	2077.3	2879.1	4406.2	6752.7	8760.5	9450.7	9098.3	8877.0	8909.3
70°	1075.9	1097.4	1274.6	1779.7	2937.8	5356.8	7939.2	9423.3	9229.5	8904.5	8923.1
72.5°	700.9	707.8	737.1	913.4	1500.7	2995.6	5958.8	8781.1	9426.2	9064.0	9061.1
75°	582.5	578.6	581.5	602.0	740.1	1313.7	3482.1	6936.8	8985.7	8812.4	8750.8
77.5°	492.4	489.5	488.5	489.5	495.3	634.4	1511.5	4321.0	6876.1	7795.3	7850.1
80°	398.4	394.5	407.2	401.4	383.7	394.5	633.4	1797.3	3241.3	3487.0	3267.7
82.5°	289.8	275.1	329.9	314.2	299.6	278.0	349.5	580.5	773.4	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)