

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: P317127

Luminaire Tested: **GAN-SA3C-740-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317127
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-SA3C-740-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22073 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

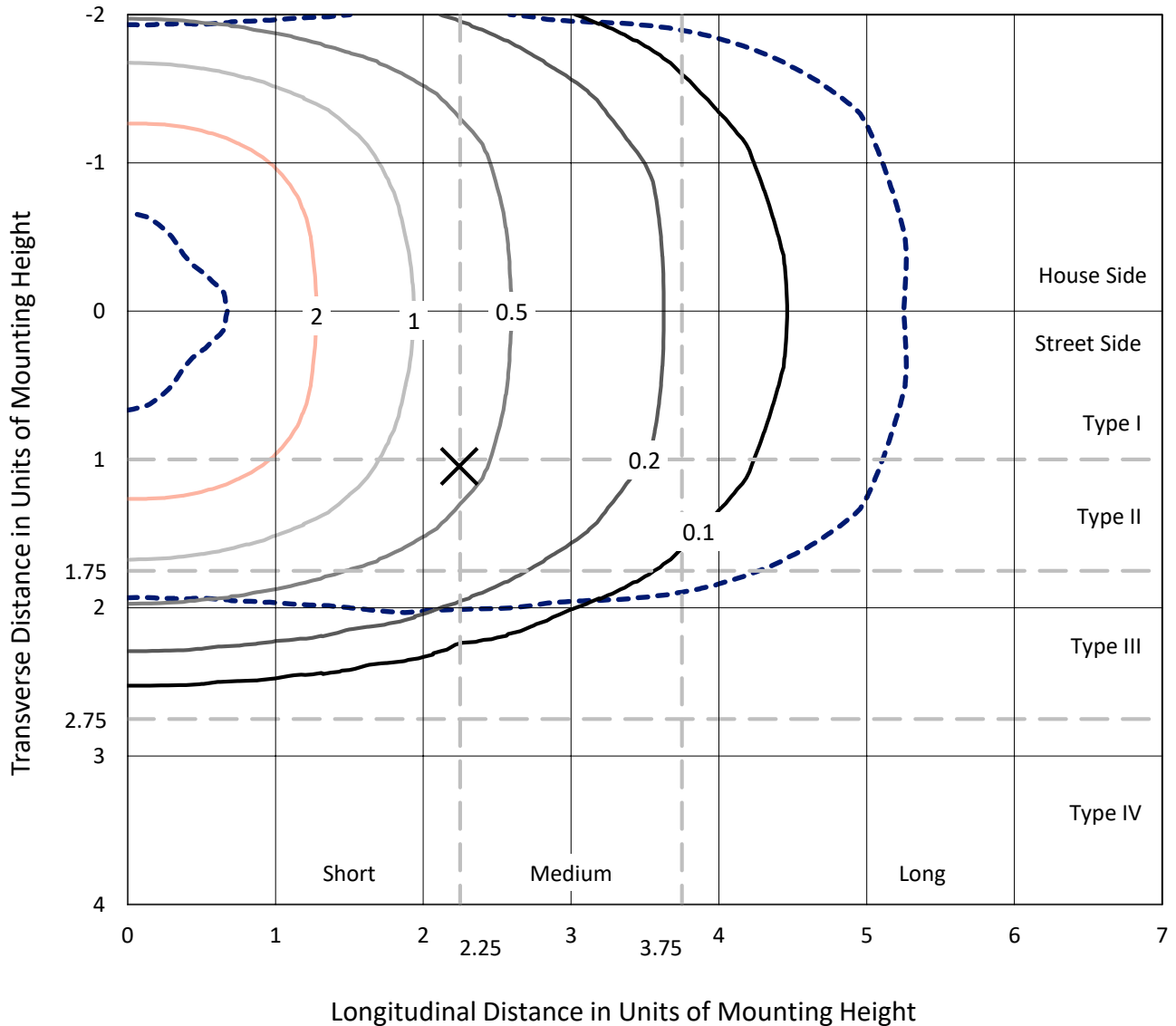
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

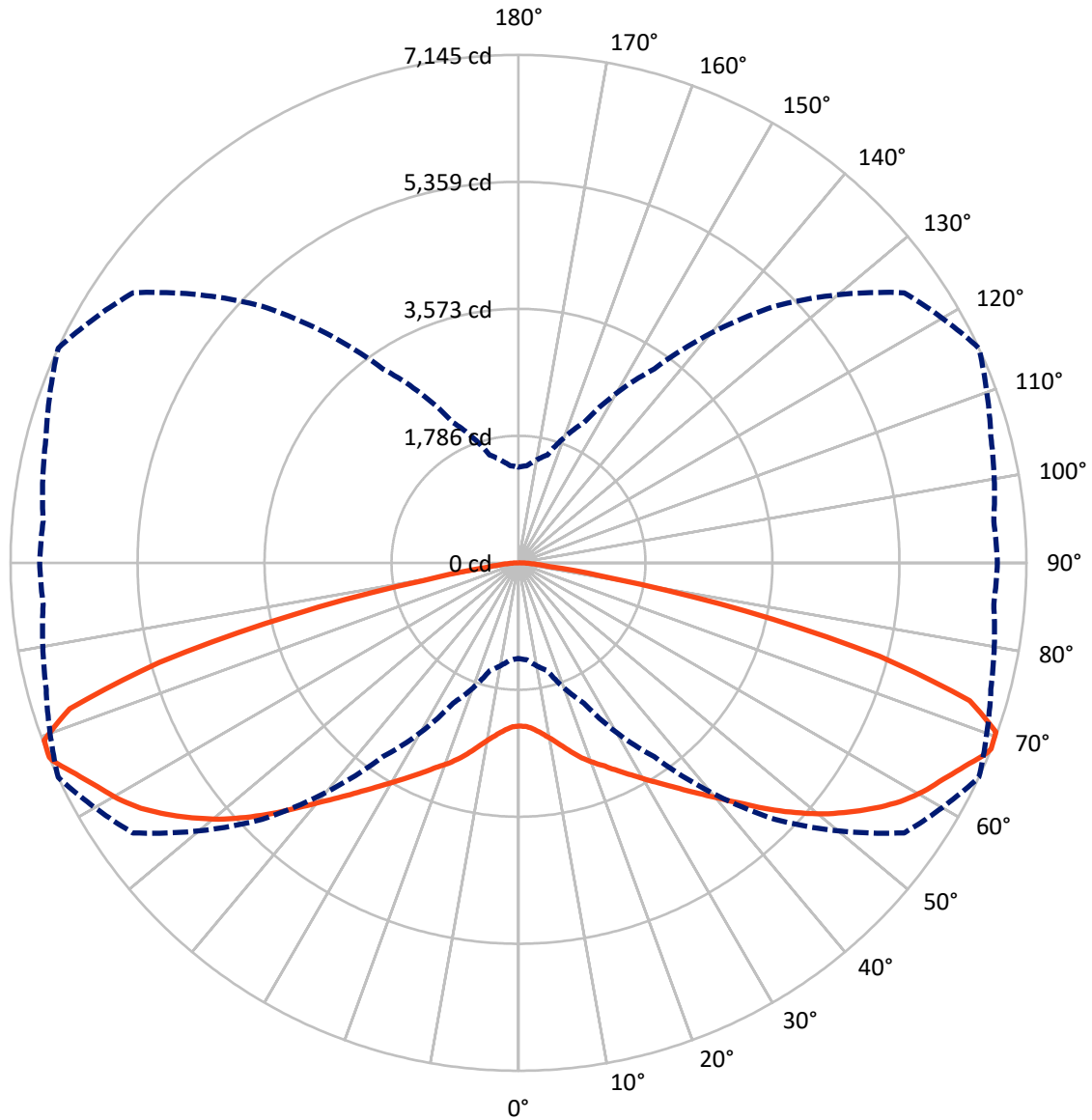
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 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	11036.5	0.0	11036.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11036.5	0.0	11036.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	22073.0	0.0	22073.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.7	1.0
10°-20°	752.4	3.4
20°-30°	1467.0	6.6
30°-40°	2464.4	11.2
40°-50°	3883.1	17.6
50°-60°	5192.9	23.5
60°-70°	5048.2	22.9
70°-80°	2759.6	12.5
80°-90°	280.7	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°	22073.0	100.0
0°-180°	22073.0	100.0

Coefficient of Utilization

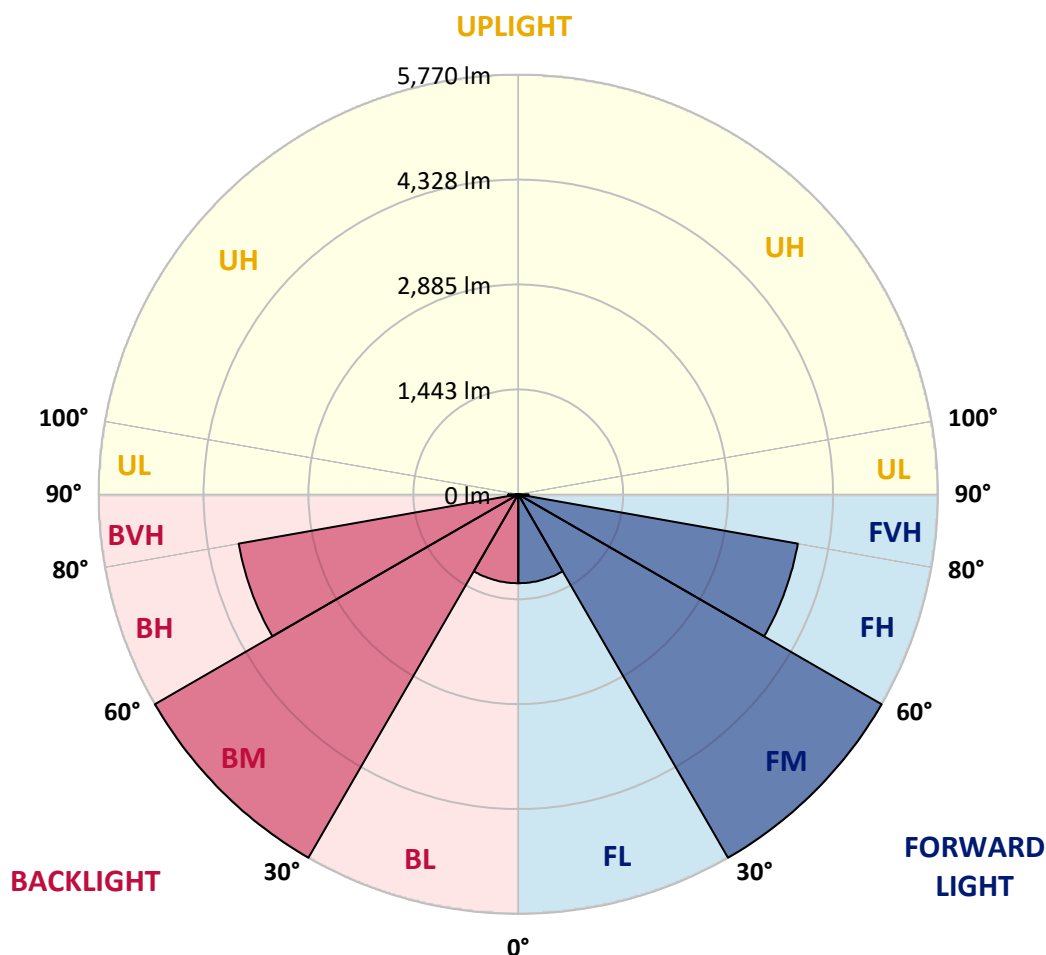


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1222.0	5.5			
FM (30°-60°)	5770.2	26.1			
FH (60°-80°)	3903.9	17.7			G2/5000
FVH (80°-90°)	140.3	0.6			G2/225
BL (0°-30°)	1222.0	5.5	B3/2500		
BM (30°-60°)	5770.2	26.1	B4/8500		
BH (60°-80°)	3903.9	17.7	B4/5000		G4/5000
BVH (80°-90°)	140.3	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2295.1	2295.1	2295.1	2295.1	2295.1	2295.1	2295.1	2295.1	2295.1	2295.1	2295.1
2.5°	2278.8	2279.5	2283.2	2287.7	2291.4	2301.0	2303.2	2306.9	2308.4	2312.1	2312.1
5°	2258.8	2260.3	2269.2	2281.0	2294.3	2318.0	2335.0	2354.3	2363.9	2374.3	2373.5
7.5°	2256.6	2260.3	2272.9	2292.1	2314.3	2353.5	2389.1	2427.6	2453.5	2477.1	2475.7
10°	2279.5	2285.5	2303.2	2332.1	2365.4	2414.2	2466.8	2518.6	2563.7	2600.0	2601.5
12.5°	2314.3	2321.7	2349.8	2393.5	2443.8	2506.7	2568.9	2627.4	2689.5	2743.6	2748.0
15°	2360.2	2369.8	2412.0	2477.1	2554.1	2628.9	2695.5	2755.4	2827.2	2902.0	2909.4
17.5°	2428.3	2441.6	2497.1	2585.2	2686.6	2768.7	2838.3	2883.5	2943.4	3020.4	3034.4
20°	2531.9	2548.9	2619.2	2724.3	2847.9	2933.8	2987.1	2996.7	3026.3	3095.1	3111.4
22.5°	2666.6	2681.4	2759.9	2884.9	3023.3	3116.6	3144.7	3106.2	3103.3	3158.8	3174.3
25°	2816.8	2830.2	2921.2	3061.8	3210.6	3313.5	3312.7	3238.0	3186.2	3229.1	3245.4
27.5°	2985.6	3006.3	3093.6	3241.7	3400.8	3502.2	3496.3	3380.8	3282.4	3293.5	3307.5
30°	3179.5	3202.4	3287.6	3437.8	3596.9	3696.1	3688.7	3536.2	3388.2	3358.6	3369.0
32.5°	3420.0	3447.4	3528.1	3676.1	3816.7	3906.3	3884.8	3705.0	3515.5	3451.1	3460.7
35°	3709.4	3725.7	3810.8	3956.6	4070.6	4132.0	4086.9	3900.4	3676.9	3599.1	3599.1
37.5°	4002.5	4015.1	4110.6	4251.9	4362.2	4394.8	4306.7	4114.3	3887.8	3777.5	3779.7
40°	4283.7	4317.8	4425.1	4570.2	4679.0	4687.8	4570.9	4358.5	4122.4	4008.4	4021.7
42.5°	4577.6	4610.9	4738.9	4903.2	4999.4	5014.2	4877.3	4632.3	4387.4	4294.8	4309.6
45°	4839.6	4866.2	5014.2	5205.2	5325.1	5363.6	5201.5	4946.1	4673.8	4583.5	4587.2
47.5°	5022.4	5057.2	5220.0	5445.0	5619.6	5678.8	5519.7	5251.8	4955.8	4846.2	4855.8
50°	5188.2	5206.7	5371.7	5617.4	5839.4	5961.6	5825.4	5553.8	5240.7	5124.5	5134.9
52.5°	5280.7	5304.3	5464.2	5720.3	5983.0	6179.9	6097.0	5825.4	5516.0	5402.8	5415.4
55°	5216.3	5234.0	5425.7	5743.2	6071.8	6314.6	6327.2	6091.1	5786.2	5687.0	5722.5
57.5°	4923.2	4945.4	5179.3	5595.2	6082.9	6405.6	6500.4	6337.5	6038.5	5957.9	5978.6
60°	4465.1	4479.1	4728.5	5196.3	5866.8	6443.4	6610.6	6538.8	6285.7	6205.1	6233.2
62.5°	3648.7	3669.5	3967.7	4594.6	5410.2	6331.6	6717.2	6705.4	6515.9	6441.9	6467.1
65°	2494.2	2530.4	2860.5	3653.2	4706.3	5989.7	6814.2	6899.3	6719.4	6626.2	6659.5
67.5°	1506.1	1532.8	1771.8	2412.0	3601.4	5299.9	6714.3	7119.8	6863.0	6712.8	6740.2
68°	1346.3	1370.7	1570.5	2176.7	3331.2	5105.3	6623.2	7145.0	6878.6	6711.3	6735.7
70°	813.4	829.7	963.6	1345.5	2221.1	4049.9	6002.3	7124.3	6977.7	6732.0	6746.1
72.5°	529.9	535.1	557.3	690.5	1134.6	2264.7	4505.0	6638.8	7126.5	6852.7	6850.4
75°	440.4	437.4	439.6	455.2	559.5	993.2	2632.6	5244.4	6793.4	6662.4	6615.8
77.5°	372.3	370.1	369.3	370.1	374.5	479.6	1142.7	3266.8	5198.5	5893.5	5934.9
80°	301.2	298.3	307.9	303.4	290.1	298.3	478.8	1358.8	2450.5	2636.3	2470.5
82.5°	219.1	208.0	249.4	237.6	226.5	210.2	264.2	438.9	584.7	401.1	282.0
85°	168.7	156.9	189.5	182.1	155.4	107.3	156.9	214.6	236.8	135.4	106.6
87.5°	68.8	72.5	136.9	108.1	91.0	51.8	64.4	85.9	115.5	57.7	44.4
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)