

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: P316807

Luminaire Tested: **GAN-SA3C-740-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316807
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3C-740-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22275 lumens
Efficiency: N/A
Efficacy: 134.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

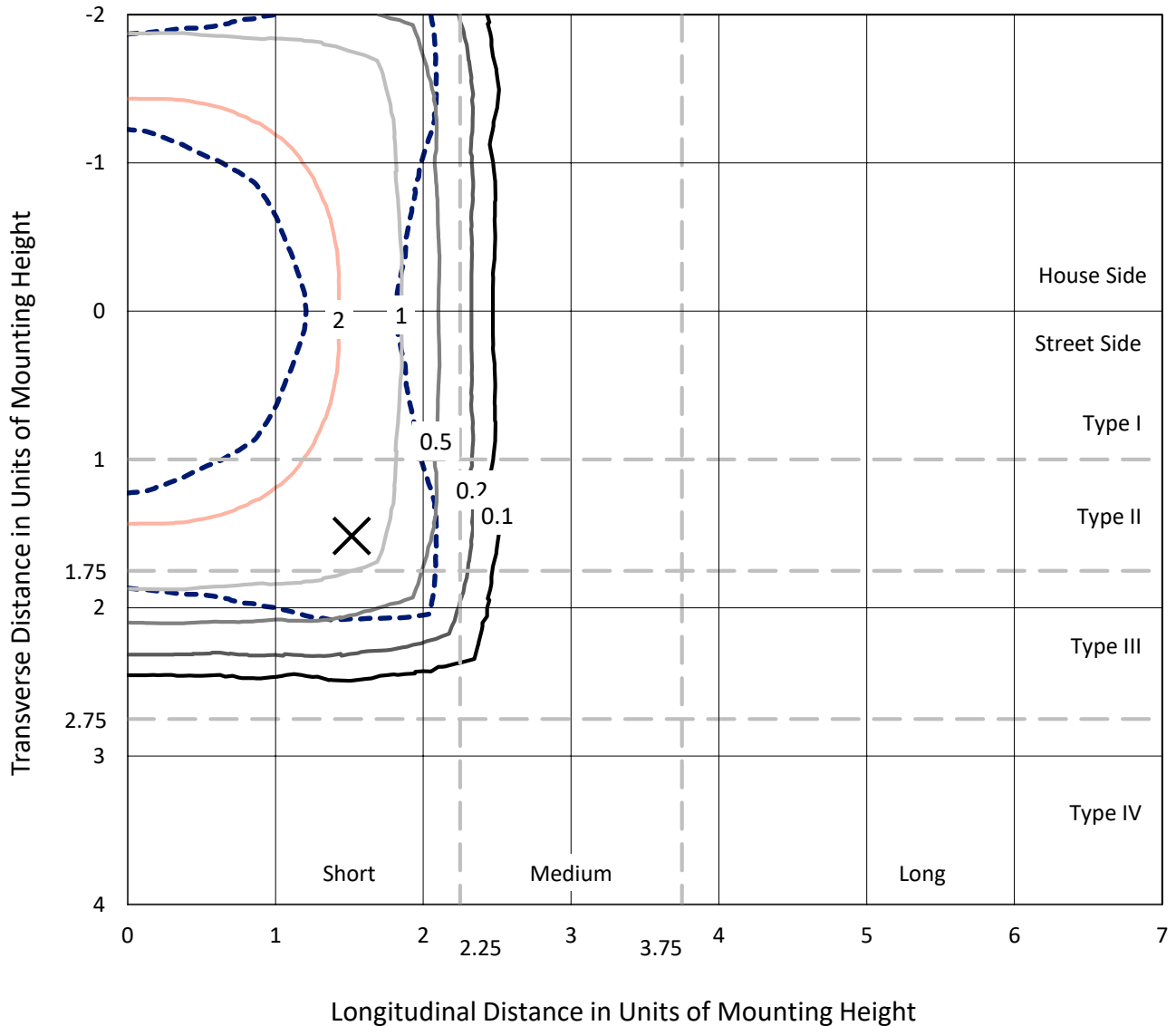
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

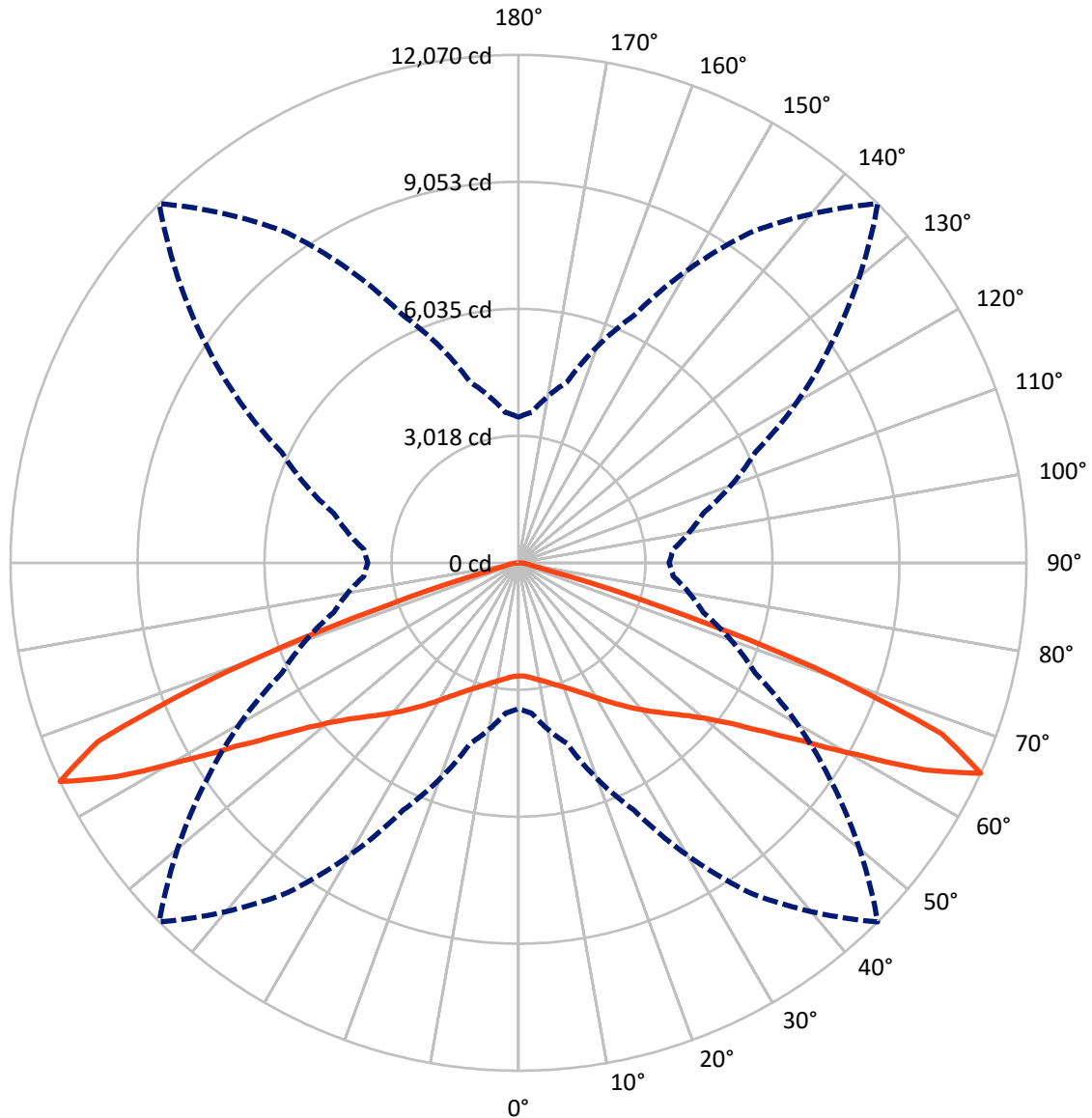
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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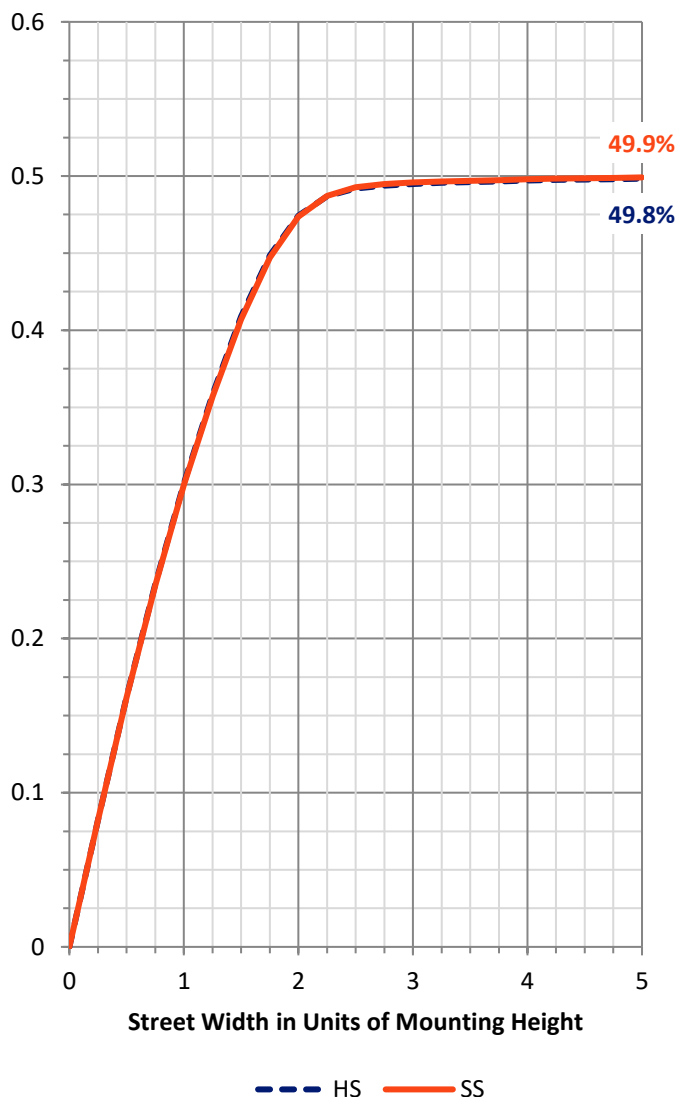
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11137.5	0.0	11137.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11137.5	0.0	11137.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	22275.0	0.0	22275.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.9	1.2
10°-20°	848.3	3.8
20°-30°	1591.6	7.1
30°-40°	2632.2	11.8
40°-50°	4076.9	18.3
50°-60°	6252.9	28.1
60°-70°	5834.6	26.2
70°-80°	679.1	3.0
80°-90°	95.4	0.4
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°	22275.0	100.0
0°-180°	22275.0	100.0

Coefficient of Utilization

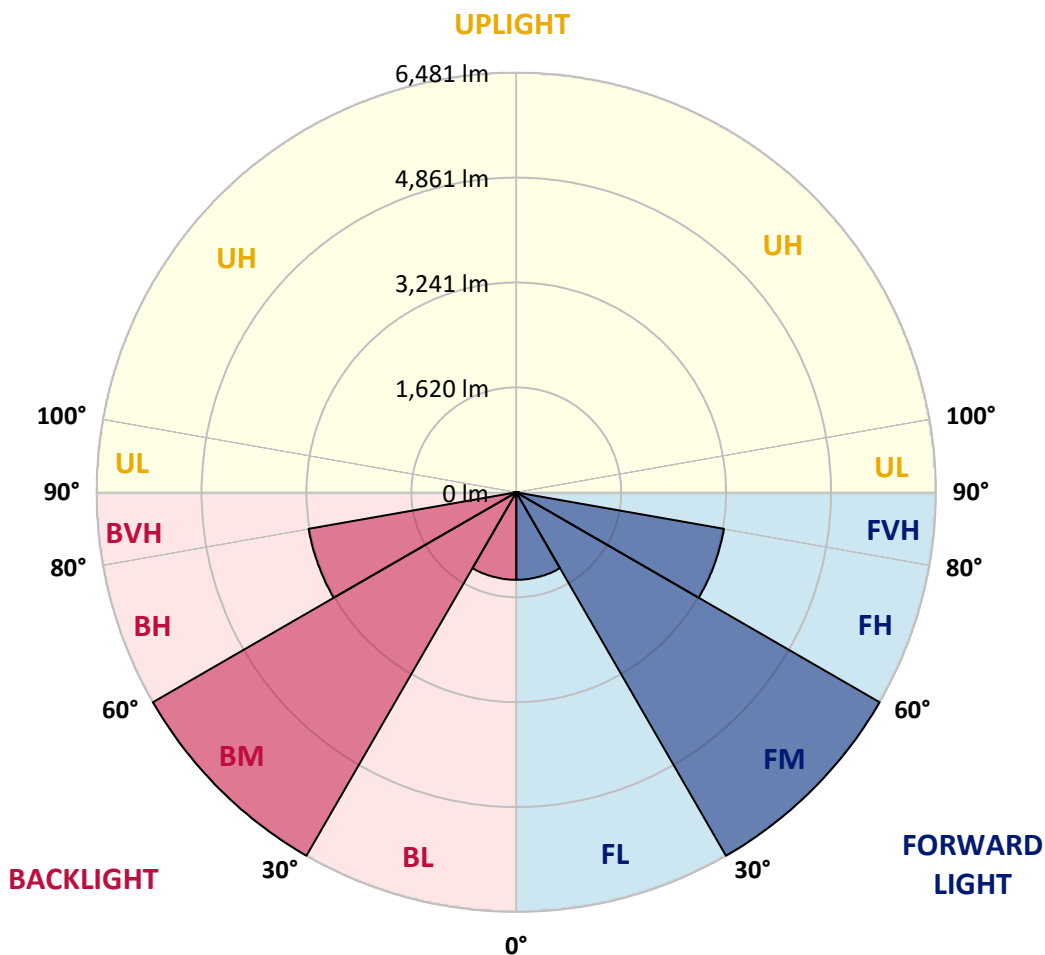


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1351.9	6.1			
FM (30°-60°)	6481.0	29.1			
FH (60°-80°)	3256.9	14.6			G2/5000
FVH (80°-90°)	47.7	0.2			G1/100
BL (0°-30°)	1351.9	6.1	B3/2500		
BM (30°-60°)	6481.0	29.1	B4/8500		
BH (60°-80°)	3256.9	14.6	B4/5000		G2/5000
BVH (80°-90°)	47.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2690.0	2690.0	2690.0	2690.0	2690.0	2690.0	2690.0	2690.0	2690.0	2690.0	2690.0
2.5°	2698.9	2697.4	2698.9	2699.6	2695.2	2697.4	2696.6	2700.3	2701.8	2700.3	2700.3
5°	2729.9	2727.7	2730.7	2734.4	2728.4	2729.9	2727.7	2732.1	2733.6	2730.7	2732.9
7.5°	2772.8	2773.5	2776.5	2783.2	2779.5	2782.4	2778.0	2778.7	2778.0	2773.5	2774.3
10°	2819.4	2820.1	2825.3	2834.2	2835.7	2835.7	2832.7	2830.5	2827.5	2824.6	2825.3
12.5°	2875.6	2879.3	2883.0	2894.1	2894.1	2900.0	2898.5	2892.6	2887.4	2883.0	2883.0
15°	2951.7	2951.0	2955.4	2966.5	2971.7	2981.3	2981.3	2973.2	2966.5	2962.1	2960.6
17.5°	3031.6	3033.8	3036.8	3050.1	3058.2	3069.3	3070.8	3064.1	3059.7	3053.8	3050.1
20°	3124.8	3128.5	3140.3	3145.5	3152.9	3163.2	3166.9	3165.4	3161.0	3158.0	3158.8
22.5°	3233.5	3243.1	3250.5	3257.9	3266.7	3274.1	3277.8	3283.0	3278.6	3276.3	3274.9
25°	3365.1	3371.7	3386.5	3399.8	3405.7	3408.0	3412.4	3419.8	3419.1	3413.9	3413.9
27.5°	3514.4	3527.0	3545.5	3564.7	3564.7	3557.3	3572.1	3584.7	3580.2	3573.6	3564.7
30°	3695.6	3707.4	3728.9	3755.5	3742.2	3737.0	3757.0	3779.9	3773.2	3762.1	3760.7
32.5°	3890.8	3901.9	3930.0	3958.8	3941.8	3934.4	3955.9	3989.1	3977.3	3955.1	3941.8
35°	4102.3	4113.4	4153.3	4188.0	4159.2	4146.6	4164.4	4200.6	4179.9	4138.5	4128.1
37.5°	4332.2	4338.1	4389.9	4425.4	4405.4	4372.2	4394.3	4421.0	4403.2	4352.9	4333.0
40°	4571.1	4592.5	4652.4	4693.8	4659.0	4606.5	4643.5	4680.5	4653.9	4589.5	4555.5
42.5°	4849.8	4866.1	4945.9	4982.9	4926.7	4852.8	4903.1	4953.3	4926.7	4864.6	4835.0
45°	5139.7	5164.8	5260.2	5297.2	5215.8	5121.9	5183.3	5271.3	5269.1	5179.6	5148.5
47.5°	5455.4	5480.5	5594.4	5643.2	5555.2	5429.5	5516.0	5640.3	5631.4	5533.0	5507.9
50°	5819.9	5846.5	5988.5	6049.9	5967.8	5821.4	5951.5	6061.0	6044.7	5923.4	5925.7
52.5°	6277.6	6276.1	6452.9	6559.3	6475.0	6345.7	6465.4	6571.9	6504.6	6336.8	6331.6
55°	6678.4	6702.8	6921.7	7123.5	7118.3	7068.8	7116.9	7121.3	6929.0	6705.7	6678.4
57.5°	6941.6	6988.2	7296.5	7661.8	7935.4	8001.2	7908.0	7625.6	7175.3	6818.1	6774.5
60°	6779.7	6850.7	7335.0	8079.6	8885.5	9272.3	8746.5	7870.3	6983.8	6486.1	6427.0
62.5°	5686.8	5806.6	6515.7	7877.7	9703.3	10833.9	9354.3	7477.7	6222.2	5536.7	5435.4
65°	3463.4	3589.9	4444.6	6483.9	9571.0	12070.2	9077.0	6206.6	4541.5	3688.9	3579.5
67.5°	1154.2	1191.2	1694.7	3583.9	7522.1	10845.0	7534.6	3715.6	1976.5	1310.2	1271.8
70°	451.8	455.5	537.6	1038.9	3552.1	7448.9	3919.6	1057.4	562.0	444.4	454.0
72.5°	332.0	333.5	356.4	434.0	925.7	3281.5	959.0	436.3	346.8	311.3	311.3
75°	266.9	266.9	283.2	316.5	414.8	752.7	420.7	312.8	271.4	248.4	245.5
77.5°	210.7	215.2	227.7	249.2	281.0	362.3	291.3	247.7	218.9	197.4	193.0
80°	156.8	161.2	181.9	192.2	201.9	251.4	215.2	193.7	173.0	147.9	143.4
82.5°	102.8	107.2	133.1	139.0	136.8	164.1	144.9	142.7	127.2	95.4	90.9
85°	67.3	68.8	88.7	92.4	85.0	74.7	92.4	97.6	88.7	62.1	59.9
87.5°	31.8	31.8	45.1	42.1	38.4	31.1	42.1	49.5	50.3	30.3	29.6
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)