

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: P316130

Luminaire Tested: **GAN-SA6C-730-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316130
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-SA6C-730-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40580 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

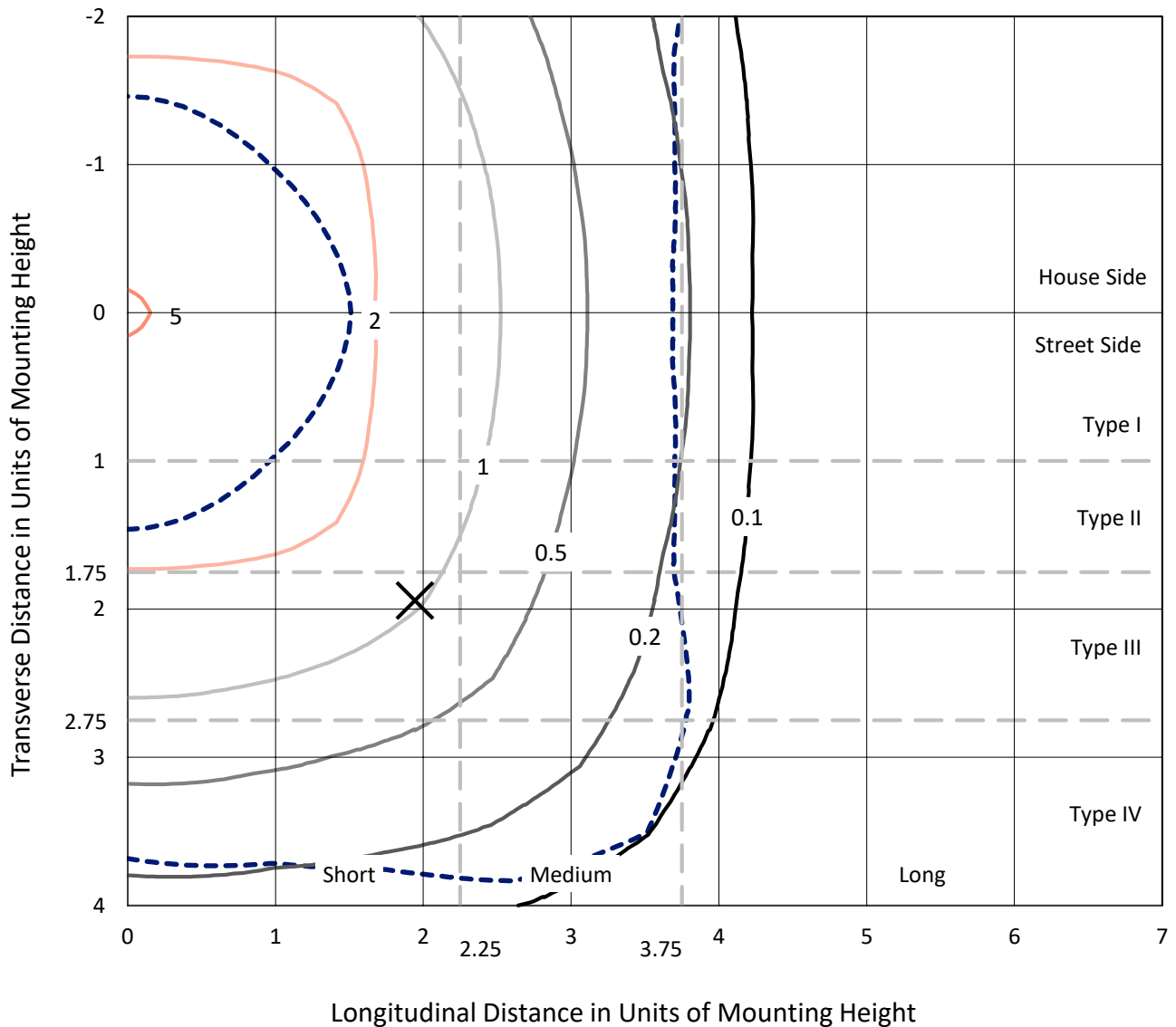
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

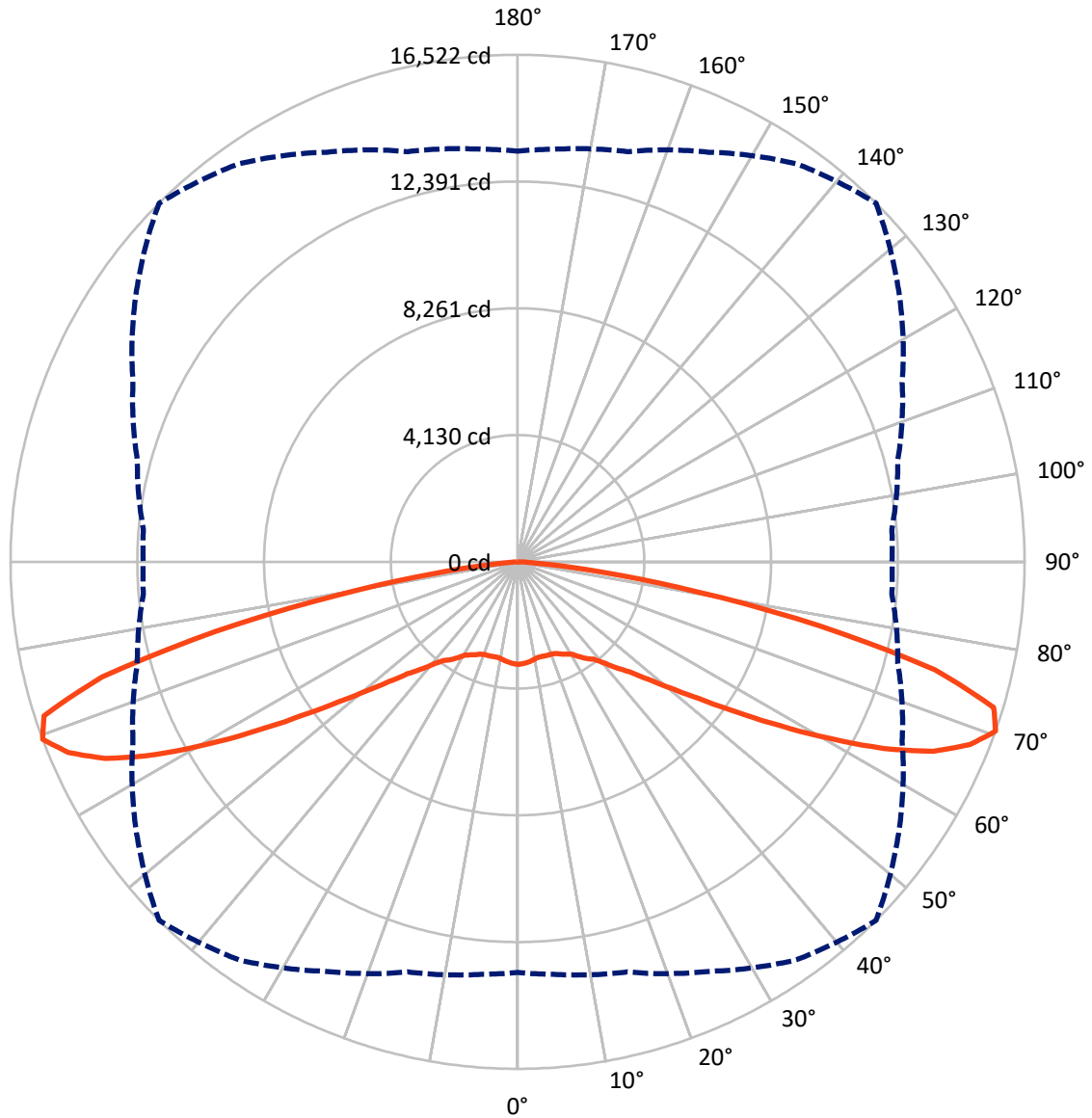
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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	20290.0	0.0	20290.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20290.0	0.0	20290.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	40580.0	0.0	40580.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.7	0.8
10°-20°	910.5	2.2
20°-30°	1552.4	3.8
30°-40°	2425.7	6.0
40°-50°	4110.9	10.1
50°-60°	7496.6	18.5
60°-70°	12905.9	31.8
70°-80°	10116.1	24.9
80°-90°	750.1	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°	40580.0	100.0
0°-180°	40580.0	100.0

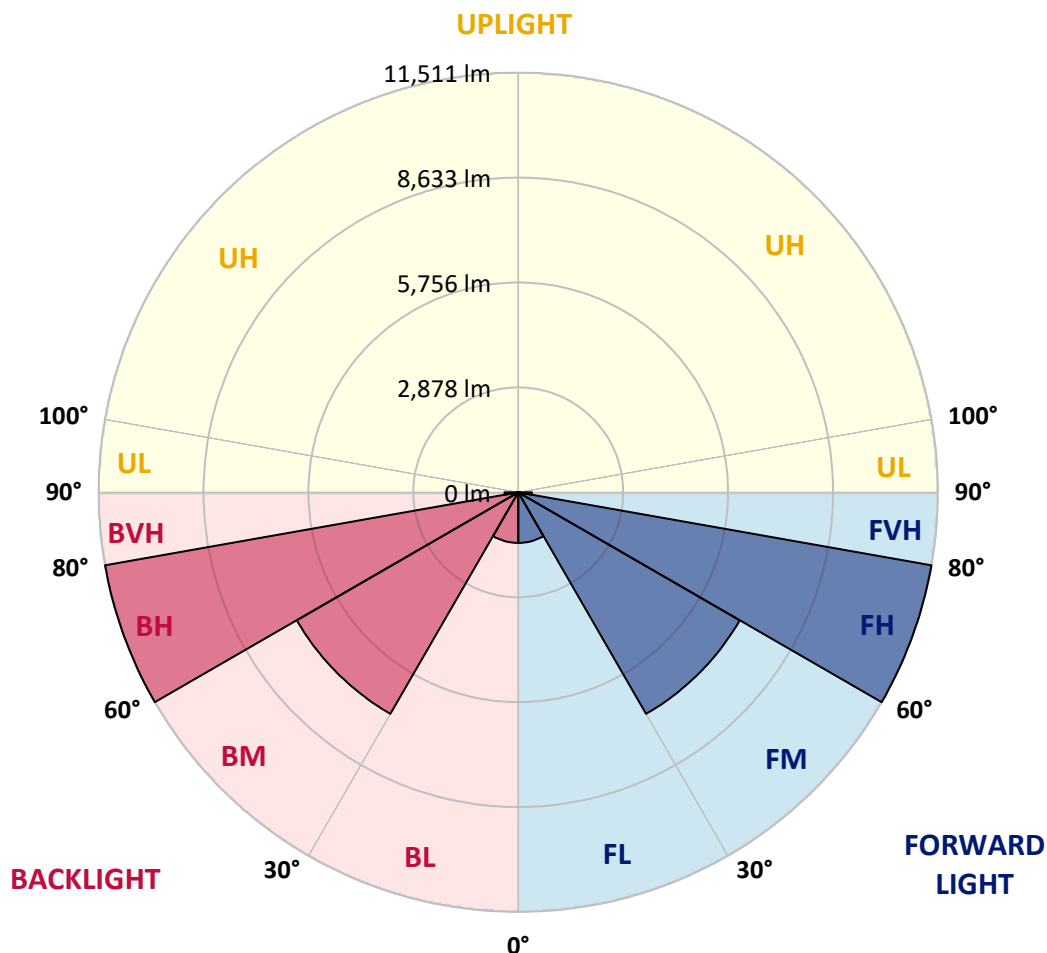


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1387.3	3.4			
FM (30°-60°)	7016.6	17.3			
FH (60°-80°)	11511.0	28.4			G4/12000
FVH (80°-90°)	375.0	0.9			G3/500
BL (0°-30°)	1387.3	3.4	B3/2500		
BM (30°-60°)	7016.6	17.3	B4/8500		
BH (60°-80°)	11511.0	28.4	B5		G4/12000
BVH (80°-90°)	375.0	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°	3339.7	3339.7	3339.7	3339.7	3339.7	3339.7	3339.7	3339.7	3339.7	3339.7	3339.7
2.5°	3325.0	3329.0	3325.0	3327.7	3320.9	3323.6	3323.6	3323.6	3322.3	3323.6	3320.9
5°	3295.4	3298.1	3292.8	3295.4	3291.4	3295.4	3296.8	3295.4	3292.8	3294.1	3288.7
7.5°	3251.1	3253.8	3249.8	3253.8	3248.5	3255.2	3253.8	3249.8	3245.8	3245.8	3240.4
10°	3227.0	3228.3	3217.6	3213.6	3201.5	3204.2	3208.2	3212.2	3216.2	3224.3	3223.0
12.5°	3228.3	3228.3	3212.2	3194.8	3177.3	3181.3	3188.1	3202.8	3218.9	3233.7	3235.0
15°	3241.7	3240.4	3216.2	3188.1	3176.0	3188.1	3192.1	3201.5	3227.0	3252.5	3253.8
17.5°	3251.1	3251.1	3213.6	3181.3	3180.0	3198.8	3197.5	3201.5	3229.7	3267.3	3268.6
20°	3268.6	3268.6	3220.3	3185.4	3185.4	3205.5	3206.8	3213.6	3241.7	3283.4	3290.1
22.5°	3307.5	3308.9	3257.9	3229.7	3232.4	3244.4	3248.5	3259.2	3284.7	3330.3	3338.4
25°	3362.6	3365.2	3312.9	3296.8	3306.2	3329.0	3326.3	3334.4	3362.6	3406.9	3414.9
27.5°	3439.1	3432.4	3384.0	3377.3	3386.7	3402.8	3401.5	3402.8	3425.6	3465.9	3475.3
30°	3538.4	3535.7	3500.8	3504.8	3500.8	3495.5	3496.8	3507.5	3519.6	3551.8	3561.2
32.5°	3635.1	3637.7	3616.3	3636.4	3665.9	3686.1	3655.2	3625.7	3612.2	3629.7	3637.7
35°	3809.6	3816.3	3782.7	3769.3	3809.6	3868.6	3781.4	3733.0	3759.9	3782.7	3789.4
37.5°	4106.2	4110.2	4053.9	4000.2	3970.6	4027.0	3939.8	3943.8	4037.8	4080.7	4079.4
40°	4444.5	4445.8	4408.2	4361.3	4310.3	4323.7	4288.8	4299.5	4361.3	4400.2	4410.9
42.5°	4847.2	4843.2	4784.1	4717.0	4702.2	4715.6	4656.6	4648.5	4719.7	4789.5	4790.8
45°	5369.4	5360.0	5283.4	5209.6	5138.5	5108.9	5094.2	5133.1	5231.1	5295.5	5296.9
47.5°	5931.8	5906.3	5866.0	5807.0	5745.2	5715.7	5691.5	5710.3	5781.5	5807.0	5809.6
50°	6510.3	6515.7	6523.8	6500.9	6478.1	6468.7	6405.6	6369.4	6390.9	6343.9	6337.2
52.5°	7196.3	7207.0	7284.9	7350.6	7389.6	7409.7	7290.2	7165.4	7095.6	7004.3	6977.5
55°	8005.7	8023.2	8137.3	8319.8	8507.7	8607.1	8391.0	8157.4	7941.3	7770.8	7715.8
57.5°	8907.8	8938.6	9095.7	9446.0	9831.3	10066.2	9701.1	9276.9	8859.4	8613.8	8570.8
60°	9965.5	9995.1	10212.5	10714.6	11338.7	11691.8	11138.7	10444.7	9925.3	9690.3	9611.1
62.5°	11224.6	11227.3	11494.4	12081.1	12905.2	13396.5	12647.5	11720.0	11184.4	10901.1	10824.6
65°	12579.1	12585.8	12862.3	13495.9	14348.3	14882.5	14036.8	13070.4	12415.3	11997.8	11938.8
67.5°	13536.1	13564.3	13855.6	14618.1	15415.4	15897.3	15022.1	13929.5	13172.4	12674.4	12624.7
70°	13383.1	13493.2	13835.5	14725.5	15834.2	16521.5	15181.9	13827.4	12828.7	12240.8	12199.2
72.5°	11671.6	11882.4	12338.8	13506.6	15279.8	16226.2	14310.7	12384.4	11254.2	10753.5	10678.3
75°	7948.0	8290.3	8978.9	10663.5	13054.2	14048.9	12047.5	9874.2	8811.1	8118.5	8067.5
77.5°	3543.8	3621.6	4494.2	6433.8	9008.4	10089.0	8753.4	6459.3	4848.5	3867.3	3660.6
80°	988.0	1000.0	1334.3	2396.1	4508.9	5927.8	4840.5	2516.9	1414.8	997.4	939.6
82.5°	314.1	341.0	416.1	621.5	1515.5	2704.8	1555.8	671.2	477.9	381.2	343.6
85°	153.0	151.7	210.7	252.4	386.6	598.7	412.1	311.4	272.5	181.2	163.8
87.5°	64.4	65.8	98.0	88.6	112.8	96.6	132.9	139.6	146.3	80.5	69.8
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)