

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: P316140

Luminaire Tested: **GAN-SA6D-730-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316140
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-SA6D-730-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44516 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

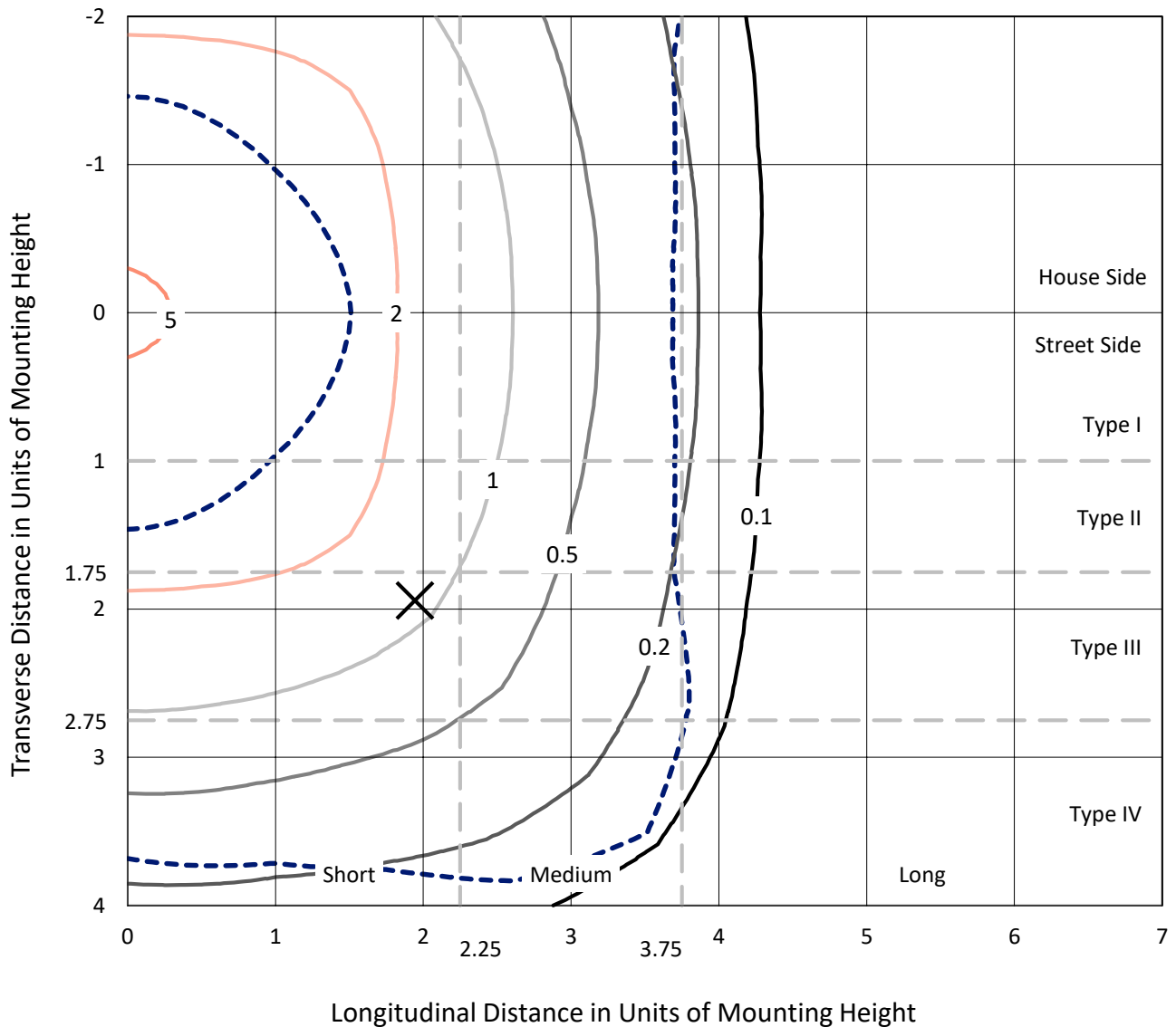
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

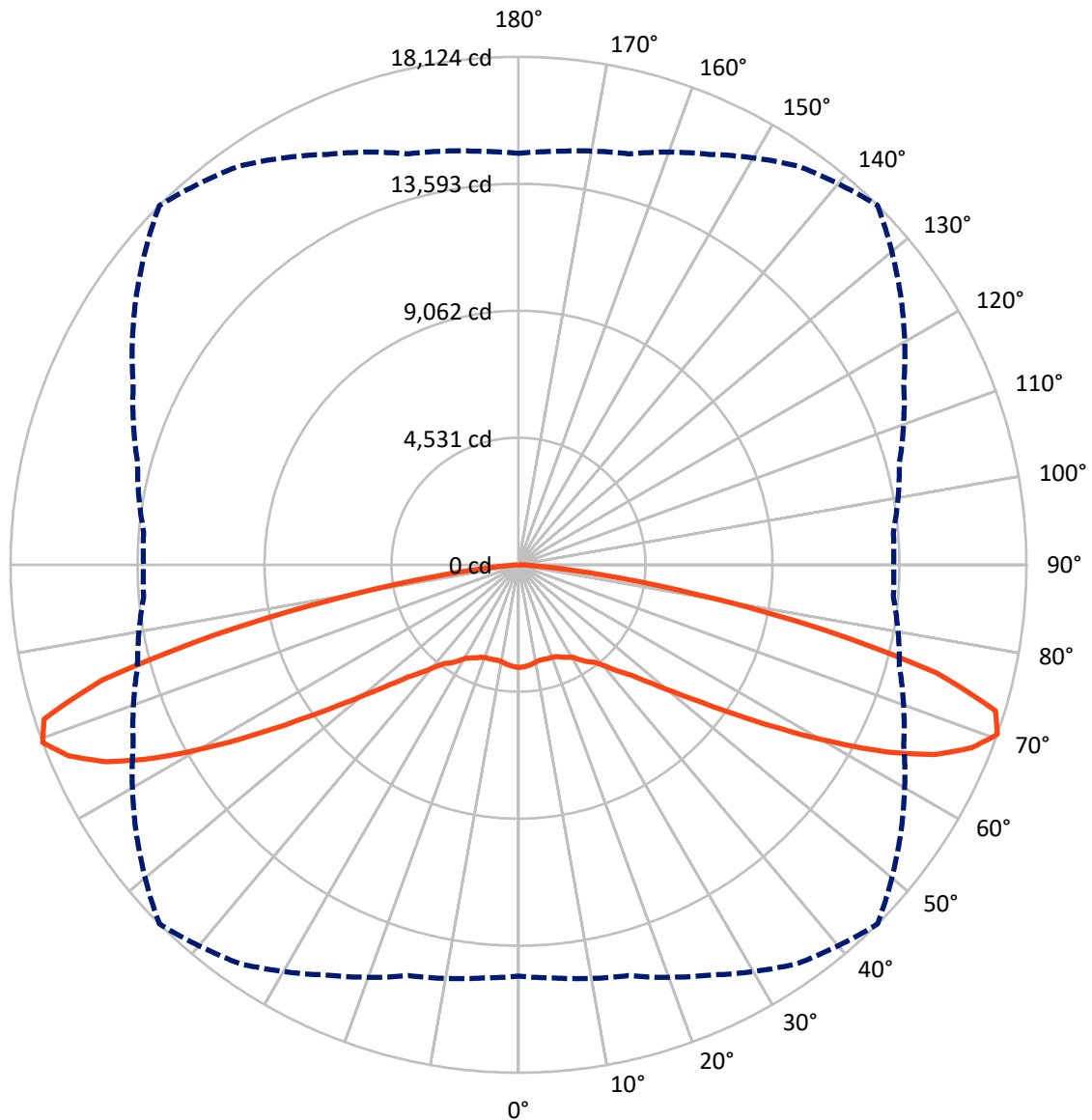
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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	22258.0	0.0	22258.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22258.0	0.0	22258.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	44516.0	0.0	44516.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	341.9	0.8
10°-20°	998.8	2.2
20°-30°	1703.0	3.8
30°-40°	2660.9	6.0
40°-50°	4509.7	10.1
50°-60°	8223.7	18.5
60°-70°	14157.7	31.8
70°-80°	11097.3	24.9
80°-90°	822.9	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°	44516.0	100.0
0°-180°	44516.0	100.0

Coefficient of Utilization

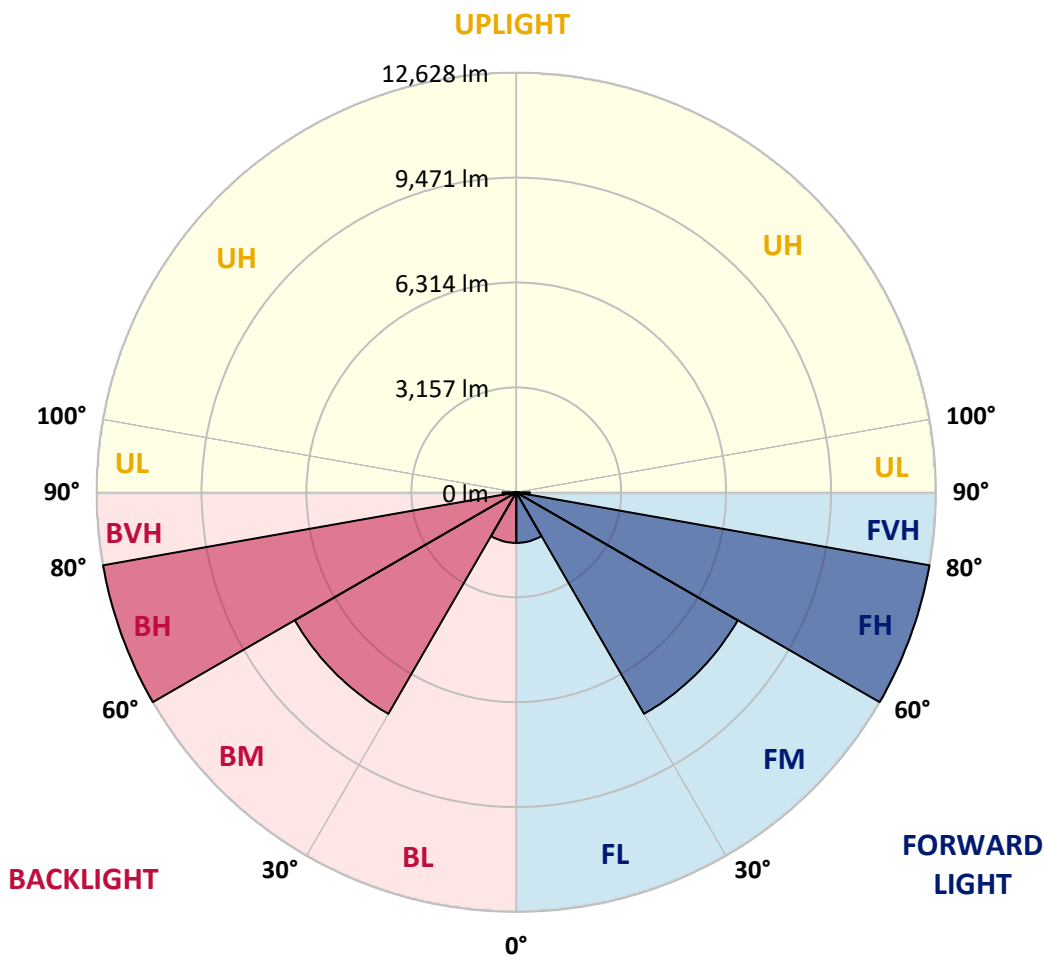


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1521.9	3.4			
FM (30°-60°)	7697.2	17.3			
FH (60°-80°)	12627.5	28.4			G5
FVH (80°-90°)	411.4	0.9			G3/500
BL (0°-30°)	1521.9	3.4	B3/2500		
BM (30°-60°)	7697.2	17.3	B4/8500		
BH (60°-80°)	12627.5	28.4	B5		G5
BVH (80°-90°)	411.4	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-G5
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3663.7	3663.7	3663.7	3663.7	3663.7	3663.7	3663.7	3663.7	3663.7	3663.7	3663.7
2.5°	3647.5	3651.9	3647.5	3650.4	3643.1	3646.0	3646.0	3646.0	3644.5	3646.0	3643.1
5°	3615.1	3618.0	3612.1	3615.1	3610.7	3615.1	3616.6	3615.1	3612.1	3613.6	3607.7
7.5°	3566.5	3569.4	3565.0	3569.4	3563.5	3570.9	3569.4	3565.0	3560.6	3560.6	3554.7
10°	3540.0	3541.5	3529.7	3525.3	3512.0	3514.9	3519.4	3523.8	3528.2	3537.0	3535.6
12.5°	3541.5	3541.5	3523.8	3504.6	3485.5	3489.9	3497.3	3513.5	3531.1	3547.3	3548.8
15°	3556.2	3554.7	3528.2	3497.3	3484.0	3497.3	3501.7	3512.0	3540.0	3568.0	3569.4
17.5°	3566.5	3566.5	3525.3	3489.9	3488.4	3509.1	3507.6	3512.0	3542.9	3584.2	3585.6
20°	3585.6	3585.6	3532.6	3494.3	3494.3	3516.4	3517.9	3525.3	3556.2	3601.8	3609.2
22.5°	3628.3	3629.8	3573.8	3542.9	3545.9	3559.1	3563.5	3575.3	3603.3	3653.4	3662.2
25°	3688.7	3691.7	3634.2	3616.6	3626.9	3651.9	3648.9	3657.8	3688.7	3737.3	3746.1
27.5°	3772.6	3765.3	3712.3	3704.9	3715.2	3732.9	3731.4	3732.9	3757.9	3802.1	3812.4
30°	3881.6	3878.7	3840.4	3844.8	3840.4	3834.5	3836.0	3847.7	3861.0	3896.3	3906.6
32.5°	3987.6	3990.6	3967.0	3989.1	4021.5	4043.6	4009.7	3977.3	3962.6	3981.7	3990.6
35°	4179.1	4186.4	4149.6	4134.9	4179.1	4243.9	4148.1	4095.1	4124.6	4149.6	4157.0
37.5°	4504.5	4508.9	4447.1	4388.2	4355.8	4417.6	4321.9	4326.3	4429.4	4476.5	4475.0
40°	4875.6	4877.0	4835.8	4784.3	4728.3	4743.0	4704.8	4716.5	4784.3	4827.0	4838.8
42.5°	5317.3	5312.9	5248.1	5174.5	5158.3	5173.0	5108.2	5099.4	5177.4	5254.0	5255.5
45°	5890.1	5879.8	5795.9	5714.9	5636.9	5604.5	5588.3	5631.0	5738.5	5809.2	5810.6
47.5°	6507.1	6479.2	6435.0	6370.2	6302.5	6270.1	6243.6	6264.2	6342.2	6370.2	6373.1
50°	7141.8	7147.7	7156.5	7131.5	7106.5	7096.2	7026.9	6987.2	7010.8	6959.2	6951.8
52.5°	7894.3	7906.1	7991.5	8063.6	8106.3	8128.4	7997.4	7860.4	7783.8	7683.7	7654.2
55°	8782.2	8801.4	8926.5	9126.8	9332.9	9441.9	9204.8	8948.6	8711.5	8524.5	8464.1
57.5°	9771.8	9805.6	9977.9	10362.2	10784.9	11042.6	10642.0	10176.7	9718.7	9449.3	9402.2
60°	10932.1	10964.5	11203.1	11753.8	12438.5	12825.8	12219.1	11457.8	10887.9	10630.2	10543.4
62.5°	12313.4	12316.3	12609.3	13252.8	14157.0	14695.9	13874.2	12856.7	12269.2	11958.5	11874.5
65°	13799.1	13806.5	14109.9	14804.9	15740.0	16326.0	15398.3	14338.1	13619.5	13161.5	13096.7
67.5°	14849.1	14880.0	15199.5	16035.9	16910.6	17439.3	16479.2	15280.5	14450.0	13903.7	13849.2
70°	14681.2	14801.9	15177.4	16153.7	17370.1	18124.0	16654.4	15168.6	14073.0	13428.1	13382.4
72.5°	12803.7	13034.9	13535.6	14816.7	16761.9	17800.0	15698.7	13585.6	12345.8	11796.5	11714.0
75°	8718.9	9094.4	9849.8	11697.8	14320.4	15411.6	13216.0	10832.0	9665.7	8905.9	8849.9
77.5°	3887.5	3972.9	4930.1	7057.9	9882.2	11067.6	9602.4	7085.8	5318.8	4242.4	4015.6
80°	1083.8	1097.0	1463.7	2628.5	4946.3	6502.7	5310.0	2761.0	1552.1	1094.1	1030.8
82.5°	344.6	374.0	456.5	681.8	1662.5	2967.2	1706.7	736.3	524.2	418.2	377.0
85°	167.9	166.4	231.2	276.8	424.1	656.8	452.1	341.6	298.9	198.8	179.6
87.5°	70.7	72.2	107.5	97.2	123.7	106.0	145.8	153.1	160.5	88.4	76.6
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)