

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: P316170

Luminaire Tested: **GAN-SA6C-740-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316170
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-740-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 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: 44560 lumens
Efficiency: N/A
Efficacy: 133.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

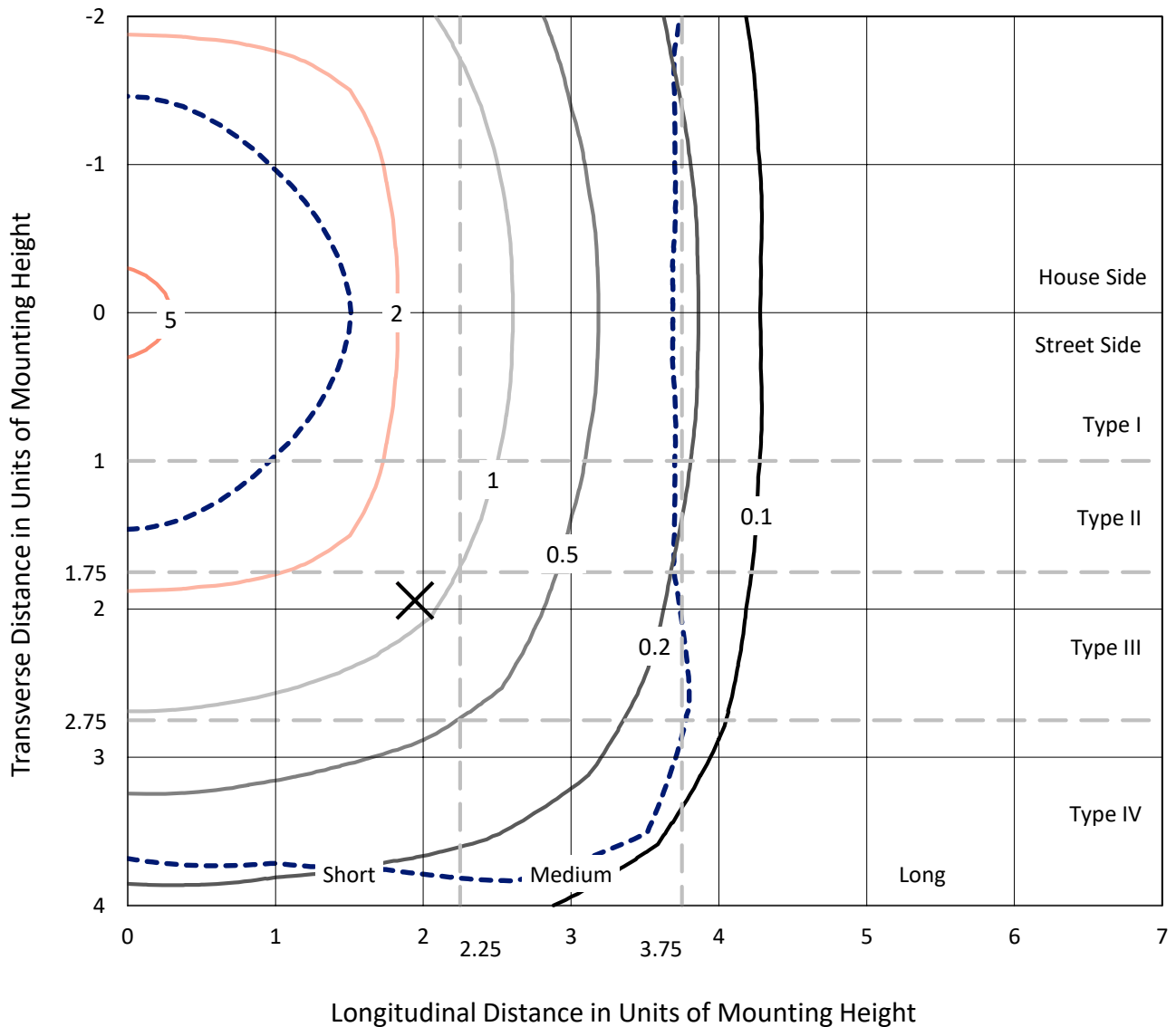
Input Watts (W): 333
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

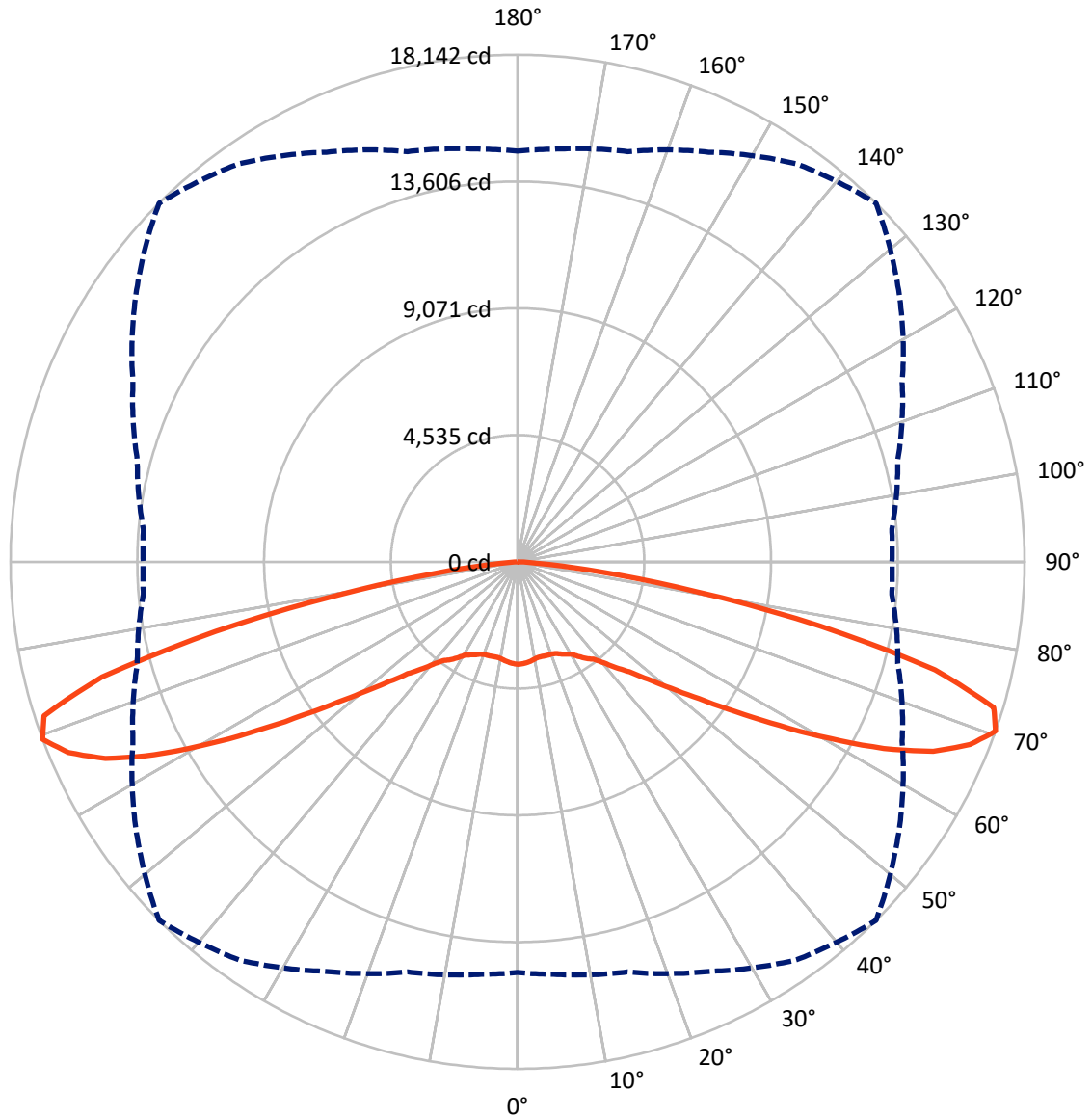
✕ Max cd
 - - - 1/2 Max cd



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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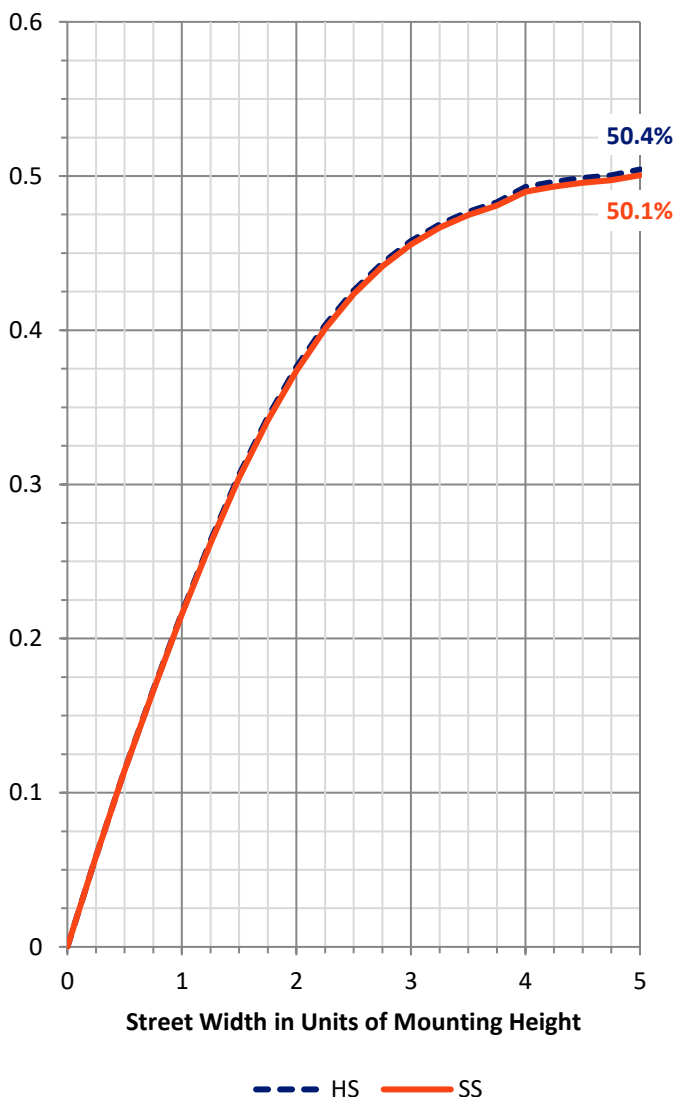
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22280.0	0.0	22280.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22280.0	0.0	22280.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	44560.0	0.0	44560.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.3	0.8
10°-20°	999.8	2.2
20°-30°	1704.7	3.8
30°-40°	2663.6	6.0
40°-50°	4514.1	10.1
50°-60°	8231.9	18.5
60°-70°	14171.7	31.8
70°-80°	11108.3	24.9
80°-90°	823.7	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°	44560.0	100.0
0°-180°	44560.0	100.0

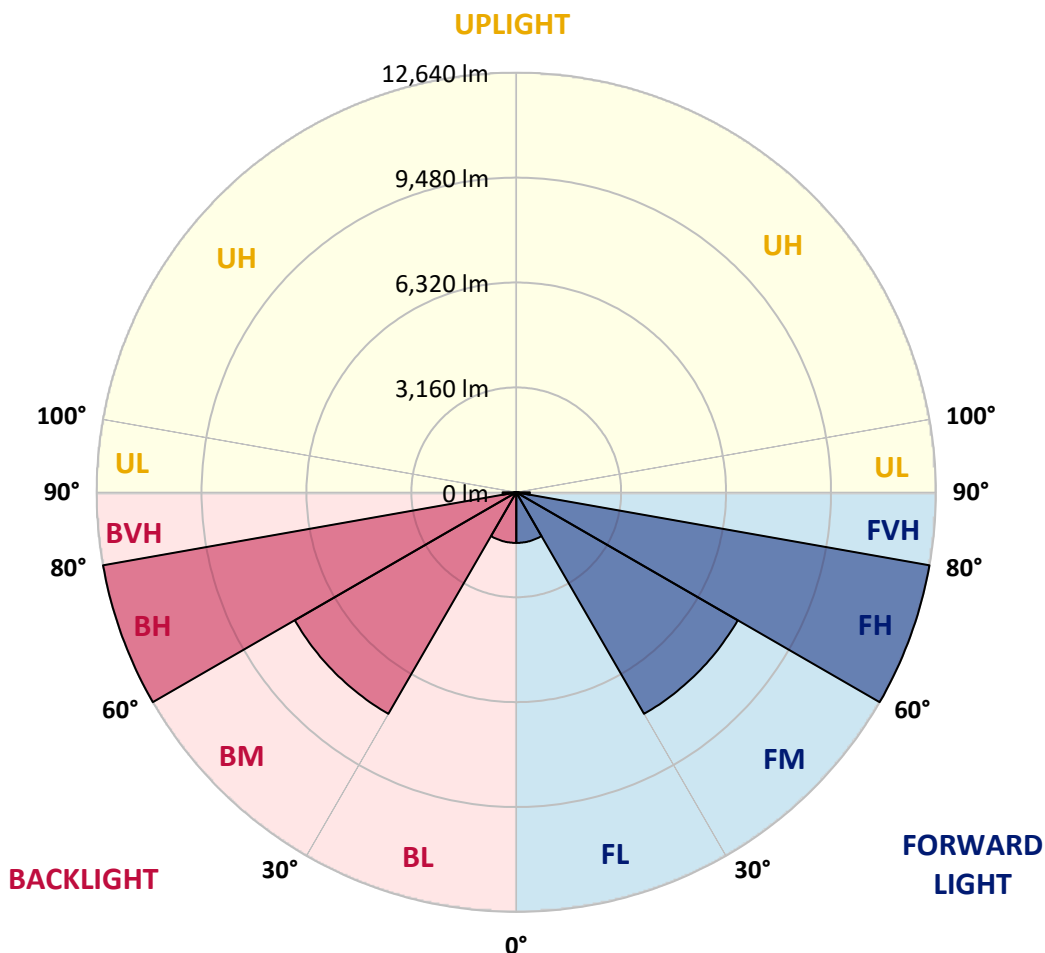


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1523.4	3.4			
FM (30°-60°)	7704.8	17.3			
FH (60°-80°)	12640.0	28.4			G5
FVH (80°-90°)	411.8	0.9			G3/500
BL (0°-30°)	1523.4	3.4	B3/2500		
BM (30°-60°)	7704.8	17.3	B4/8500		
BH (60°-80°)	12640.0	28.4	B5		G5
BVH (80°-90°)	411.8	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°	3667.3	3667.3	3667.3	3667.3	3667.3	3667.3	3667.3	3667.3	3667.3	3667.3	3667.3
2.5°	3651.1	3655.5	3651.1	3654.0	3646.7	3649.6	3649.6	3649.6	3648.1	3649.6	3646.7
5°	3618.7	3621.6	3615.7	3618.7	3614.2	3618.7	3620.1	3618.7	3615.7	3617.2	3611.3
7.5°	3570.0	3573.0	3568.5	3573.0	3567.1	3574.4	3573.0	3568.5	3564.1	3564.1	3558.2
10°	3543.5	3545.0	3533.2	3528.7	3515.5	3518.4	3522.8	3527.3	3531.7	3540.5	3539.1
12.5°	3545.0	3545.0	3527.3	3508.1	3488.9	3493.4	3500.7	3516.9	3534.6	3550.8	3552.3
15°	3559.7	3558.2	3531.7	3500.7	3487.5	3500.7	3505.2	3515.5	3543.5	3571.5	3573.0
17.5°	3570.0	3570.0	3528.7	3493.4	3491.9	3512.5	3511.1	3515.5	3546.4	3587.7	3589.2
20°	3589.2	3589.2	3536.1	3497.8	3497.8	3519.9	3521.4	3528.7	3559.7	3605.4	3612.8
22.5°	3631.9	3633.4	3577.4	3546.4	3549.4	3562.6	3567.1	3578.9	3606.9	3657.0	3665.8
25°	3692.4	3695.3	3637.8	3620.1	3630.4	3655.5	3652.6	3661.4	3692.4	3741.0	3749.8
27.5°	3776.4	3769.0	3715.9	3708.6	3718.9	3736.6	3735.1	3736.6	3761.6	3805.8	3816.2
30°	3885.4	3882.5	3844.2	3848.6	3844.2	3838.3	3839.8	3851.5	3864.8	3900.2	3910.5
32.5°	3991.6	3994.5	3970.9	3993.0	4025.5	4047.6	4013.7	3981.3	3966.5	3985.7	3994.5
35°	4183.2	4190.6	4153.7	4139.0	4183.2	4248.0	4152.2	4099.2	4128.7	4153.7	4161.1
37.5°	4508.9	4513.4	4451.5	4392.5	4360.1	4422.0	4326.2	4330.6	4433.8	4480.9	4479.5
40°	4880.4	4881.9	4840.6	4789.0	4733.0	4747.7	4709.4	4721.2	4789.0	4831.7	4843.5
42.5°	5322.6	5318.2	5253.3	5179.6	5163.4	5178.1	5113.3	5104.4	5182.6	5259.2	5260.7
45°	5896.0	5885.7	5801.6	5720.6	5642.4	5610.0	5593.8	5636.5	5744.1	5814.9	5816.4
47.5°	6513.6	6485.6	6441.3	6376.5	6308.7	6276.3	6249.7	6270.4	6348.5	6376.5	6379.4
50°	7148.9	7154.8	7163.6	7138.5	7113.5	7103.2	7033.9	6994.1	7017.7	6966.1	6958.7
52.5°	7902.1	7913.9	7999.4	8071.6	8114.3	8136.4	8005.3	7868.2	7791.5	7691.3	7661.8
55°	8790.9	8810.1	8935.3	9135.8	9342.2	9451.2	9213.9	8957.5	8720.1	8532.9	8472.5
57.5°	9781.4	9815.3	9987.8	10372.5	10795.5	11053.5	10652.5	10186.8	9728.4	9458.6	9411.4
60°	10942.9	10975.4	11214.1	11765.4	12450.8	12838.5	12231.2	11469.1	10898.7	10640.8	10553.8
62.5°	12325.5	12328.5	12621.8	13265.9	14171.0	14710.4	13888.0	12869.4	12281.3	11970.3	11886.3
65°	13812.8	13820.2	14123.8	14819.5	15755.5	16342.2	15413.5	14352.3	13633.0	13174.5	13109.7
67.5°	14863.7	14894.7	15214.6	16051.8	16927.3	17456.5	16495.5	15295.6	14464.3	13917.4	13862.9
70°	14695.7	14816.6	15192.4	16169.7	17387.2	18141.9	16670.9	15183.6	14086.9	13441.3	13395.6
72.5°	12816.4	13047.8	13548.9	14831.3	16778.5	17817.6	15714.2	13599.1	12358.0	11808.2	11725.6
75°	8727.5	9103.4	9859.5	11709.4	14334.6	15426.8	13229.1	10842.7	9675.3	8914.7	8858.7
77.5°	3891.3	3976.8	4934.9	7064.8	9892.0	11078.5	9611.9	7092.9	5324.1	4246.6	4019.6
80°	1084.9	1098.1	1465.1	2631.1	4951.1	6509.2	5315.2	2763.7	1553.6	1095.2	1031.8
82.5°	344.9	374.4	456.9	682.5	1664.1	2970.1	1708.4	737.0	524.7	418.6	377.3
85°	168.0	166.6	231.4	277.1	424.5	657.4	452.5	342.0	299.2	199.0	179.8
87.5°	70.8	72.2	107.6	97.3	123.8	106.1	145.9	153.3	160.7	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)