

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: P383298

Luminaire Tested: **GAN-SA6B-735-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383298
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-735-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33449.1 lumens
Efficiency: N/A
Efficacy: 134.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

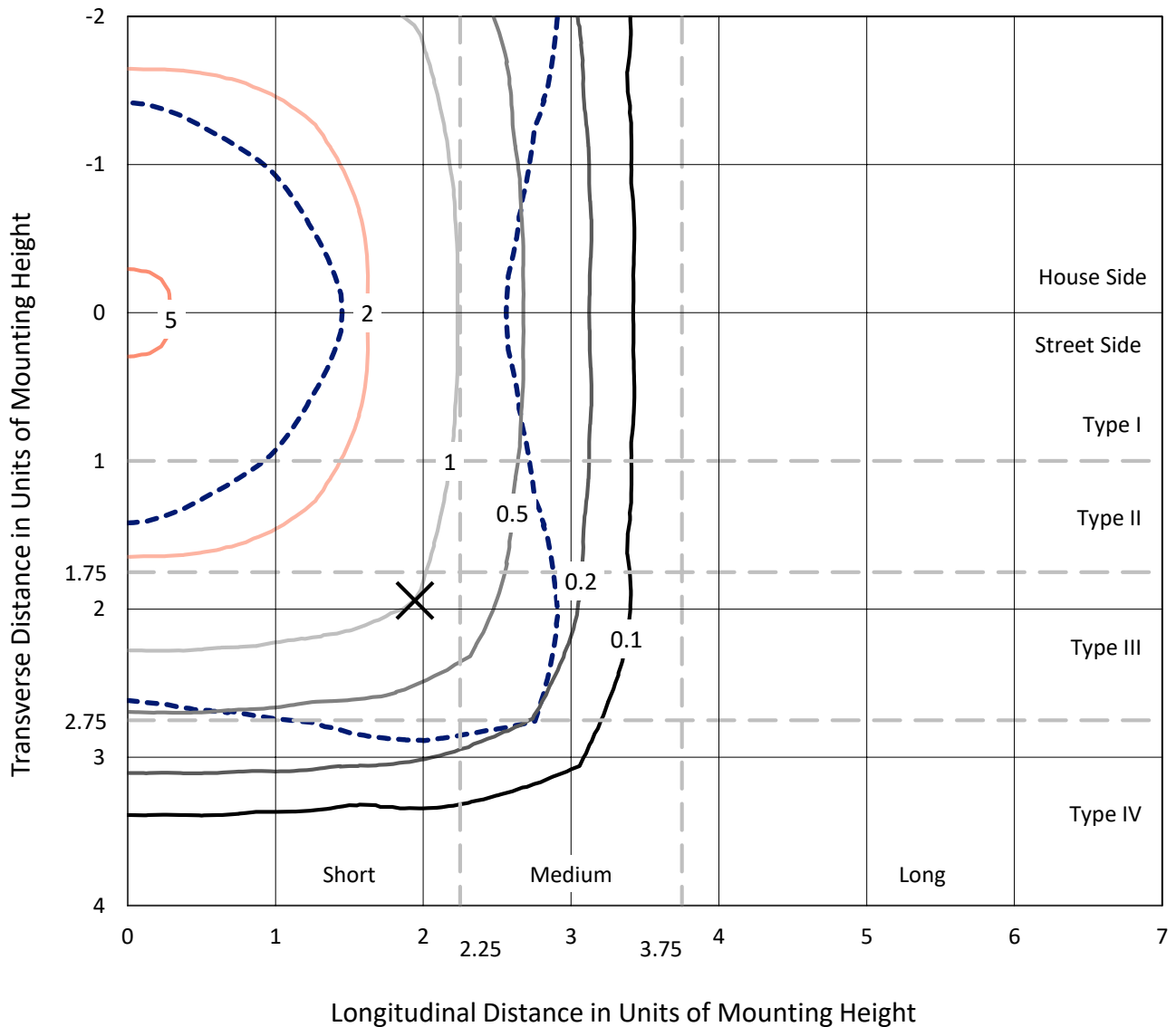
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

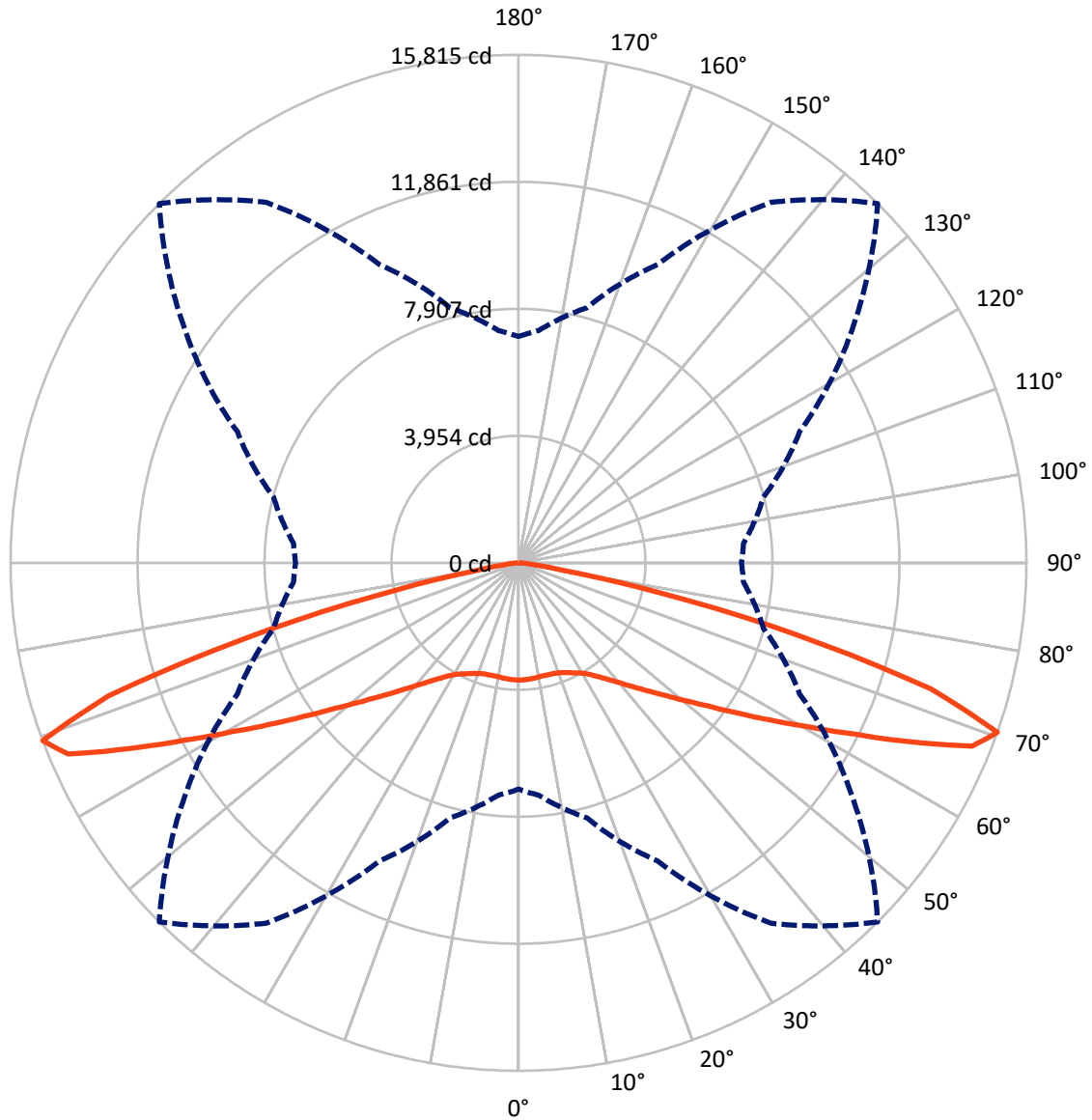
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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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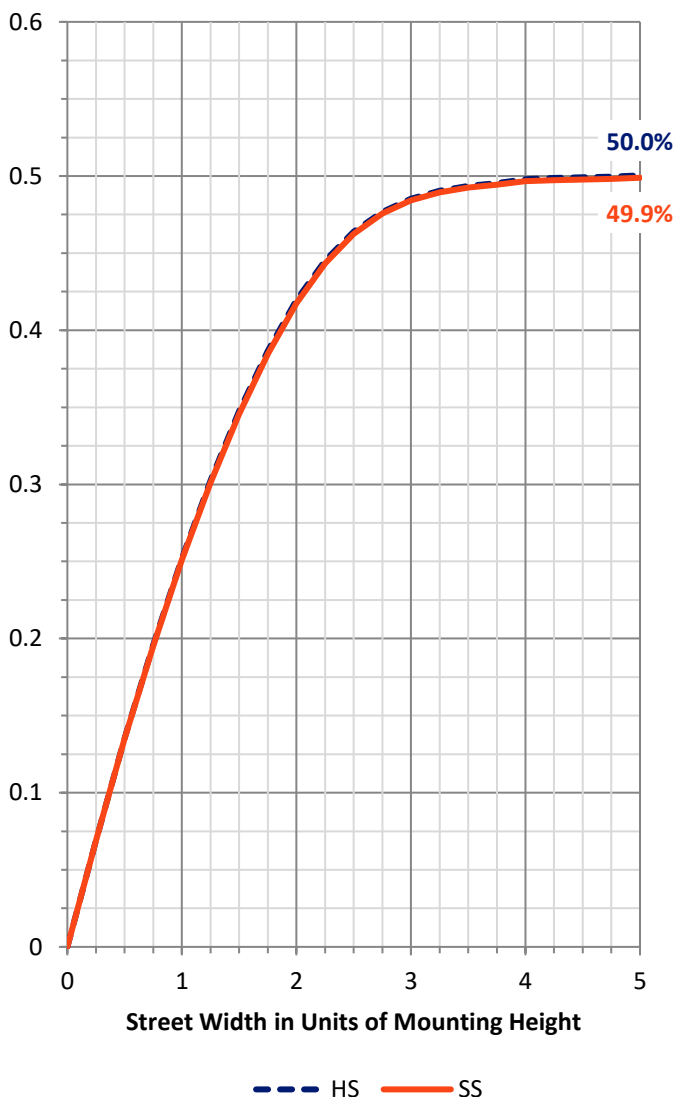
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16724.5	0.0	16724.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16724.5	0.0	16724.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	33449.1	0.0	33449.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.0	1.0
10°-20°	1015.7	3.0
20°-30°	1729.1	5.2
30°-40°	2742.4	8.2
40°-50°	4462.7	13.3
50°-60°	7358.2	22.0
60°-70°	10802.0	32.3
70°-80°	4776.6	14.3
80°-90°	216.3	0.6
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°	33449.1	100.0
0°-180°	33449.1	100.0

Coefficient of Utilization

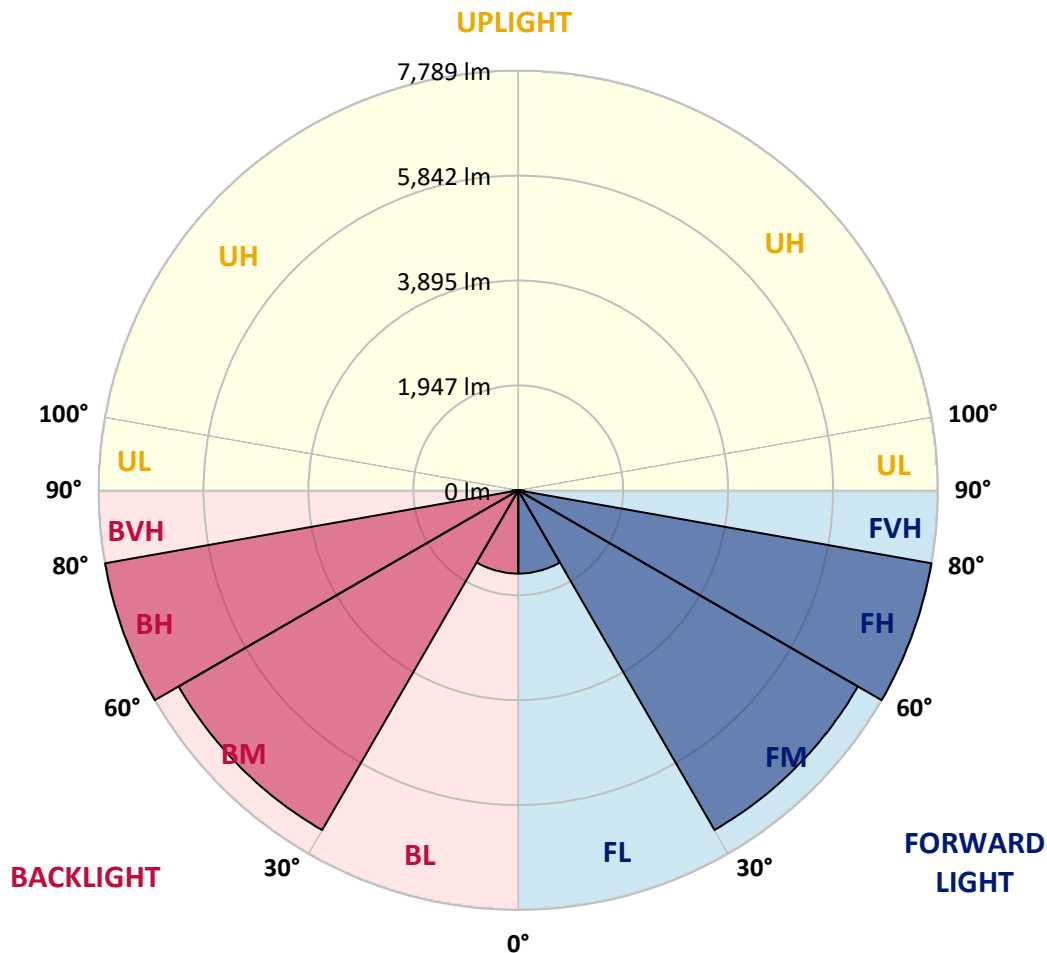


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1545.4	4.6			
FM (30°-60°)	7281.6	21.8			
FH (60°-80°)	7789.3	23.3			G4/12000
FVH (80°-90°)	108.2	0.3			G2/225
BL (0°-30°)	1545.4	4.6	B3/2500		
BM (30°-60°)	7281.6	21.8	B4/8500		
BH (60°-80°)	7789.3	23.3	B5		G4/12000
BVH (80°-90°)	108.2	0.3			G2/225
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°	3653.2	3653.2	3653.2	3653.2	3653.2	3653.2	3653.2	3653.2	3653.2	3653.2	3653.2
2.5°	3647.7	3644.3	3652.0	3650.9	3644.3	3645.4	3645.4	3648.7	3648.7	3646.5	3646.5
5°	3634.3	3632.1	3641.0	3641.0	3634.3	3636.6	3638.8	3642.1	3641.0	3638.8	3637.7
7.5°	3617.8	3616.6	3625.5	3625.5	3621.0	3623.3	3621.0	3622.1	3620.0	3617.8	3614.4
10°	3590.1	3592.2	3600.1	3602.2	3602.2	3603.3	3601.2	3595.6	3592.2	3589.0	3585.6
12.5°	3564.6	3563.4	3574.5	3580.1	3589.0	3598.9	3592.2	3576.8	3570.2	3563.4	3561.3
15°	3548.0	3549.1	3560.2	3570.2	3585.6	3606.7	3598.9	3574.5	3561.3	3553.6	3551.3
17.5°	3544.6	3546.9	3561.3	3579.0	3595.6	3618.9	3614.4	3590.1	3567.9	3553.6	3550.2
20°	3552.5	3553.6	3575.7	3601.2	3629.9	3652.0	3642.1	3615.5	3585.6	3563.4	3558.0
22.5°	3566.8	3571.3	3598.9	3638.8	3683.1	3713.0	3700.8	3655.4	3608.9	3581.2	3573.4
25°	3612.2	3613.3	3650.9	3705.2	3758.3	3792.6	3778.3	3714.1	3654.3	3623.3	3613.3
27.5°	3706.3	3709.6	3747.2	3810.4	3855.8	3877.8	3869.0	3817.0	3766.1	3732.9	3736.2
30°	3842.4	3846.9	3888.9	3958.7	3986.4	3991.9	3989.7	3965.3	3918.8	3874.6	3877.8
32.5°	4008.5	4010.7	4067.2	4130.3	4152.5	4156.8	4152.5	4130.3	4075.0	4015.2	4018.5
35°	4222.1	4228.9	4283.1	4343.9	4361.7	4370.5	4362.7	4333.9	4276.5	4217.8	4215.5
37.5°	4485.7	4486.7	4543.2	4606.3	4628.5	4630.6	4621.8	4603.0	4531.0	4477.9	4474.6
40°	4791.1	4795.6	4862.0	4929.6	4938.4	4928.4	4940.6	4929.6	4855.4	4794.5	4804.5
42.5°	5163.1	5173.1	5252.8	5319.2	5293.8	5288.2	5295.9	5299.3	5239.5	5165.3	5158.7
45°	5596.0	5604.8	5704.4	5757.6	5741.0	5704.4	5720.0	5746.5	5663.5	5571.6	5580.4
47.5°	6089.7	6111.9	6218.1	6267.9	6227.0	6177.2	6207.1	6246.9	6149.5	6035.5	6029.9
50°	6638.8	6666.4	6808.1	6877.9	6836.9	6745.1	6794.9	6821.4	6680.9	6533.6	6521.5
52.5°	7224.4	7252.1	7430.3	7574.2	7547.7	7404.9	7474.6	7446.9	7285.3	7087.1	7071.7
55°	7887.5	7898.6	8091.2	8323.7	8350.2	8245.0	8240.7	8195.3	7956.2	7727.0	7715.9
57.5°	8569.4	8577.1	8826.2	9100.8	9225.9	9225.9	9101.9	9005.6	8687.9	8422.2	8394.5
60°	9305.6	9333.3	9608.9	9982.0	10274.2	10360.6	10141.4	9879.1	9533.6	9209.3	9177.1
62.5°	9960.9	9993.1	10414.8	10970.6	11440.0	11754.4	11218.5	10791.2	10162.4	9642.2	9581.2
65°	10043.9	10130.3	10744.7	11751.0	12801.5	13429.3	12401.9	11349.1	10203.4	9480.5	9418.5
67.5°	9172.8	9318.9	10149.1	11715.6	13886.4	15233.7	13158.0	11030.4	9468.3	8669.1	8600.4
70°	7048.4	7260.9	8218.5	10247.7	13699.3	15814.9	12684.2	9656.5	7894.1	7034.0	6937.7
72.5°	3866.9	3954.2	4815.5	7017.3	10982.8	13439.2	10579.8	7140.3	5235.1	4259.8	4098.2
75°	1226.6	1257.6	1696.0	2871.6	6212.6	8901.5	6720.7	3504.9	1929.5	1422.5	1405.9
77.5°	544.7	547.9	613.3	838.0	2139.9	4510.0	2570.5	954.3	657.6	574.6	593.4
80°	344.3	344.3	379.7	415.1	582.3	1309.6	695.2	453.8	387.4	359.8	367.5
82.5°	165.0	182.7	246.9	265.7	319.9	440.6	356.5	296.7	259.1	192.6	179.3
85°	108.5	90.7	156.1	176.0	185.9	211.5	207.0	195.9	169.4	96.3	107.4
87.5°	48.7	46.5	80.9	74.2	69.8	53.1	79.7	98.6	95.2	47.6	47.6
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)