

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: P316498

Luminaire Tested: **GAN-SA4D-740-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316498
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-SA4D-740-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32881 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

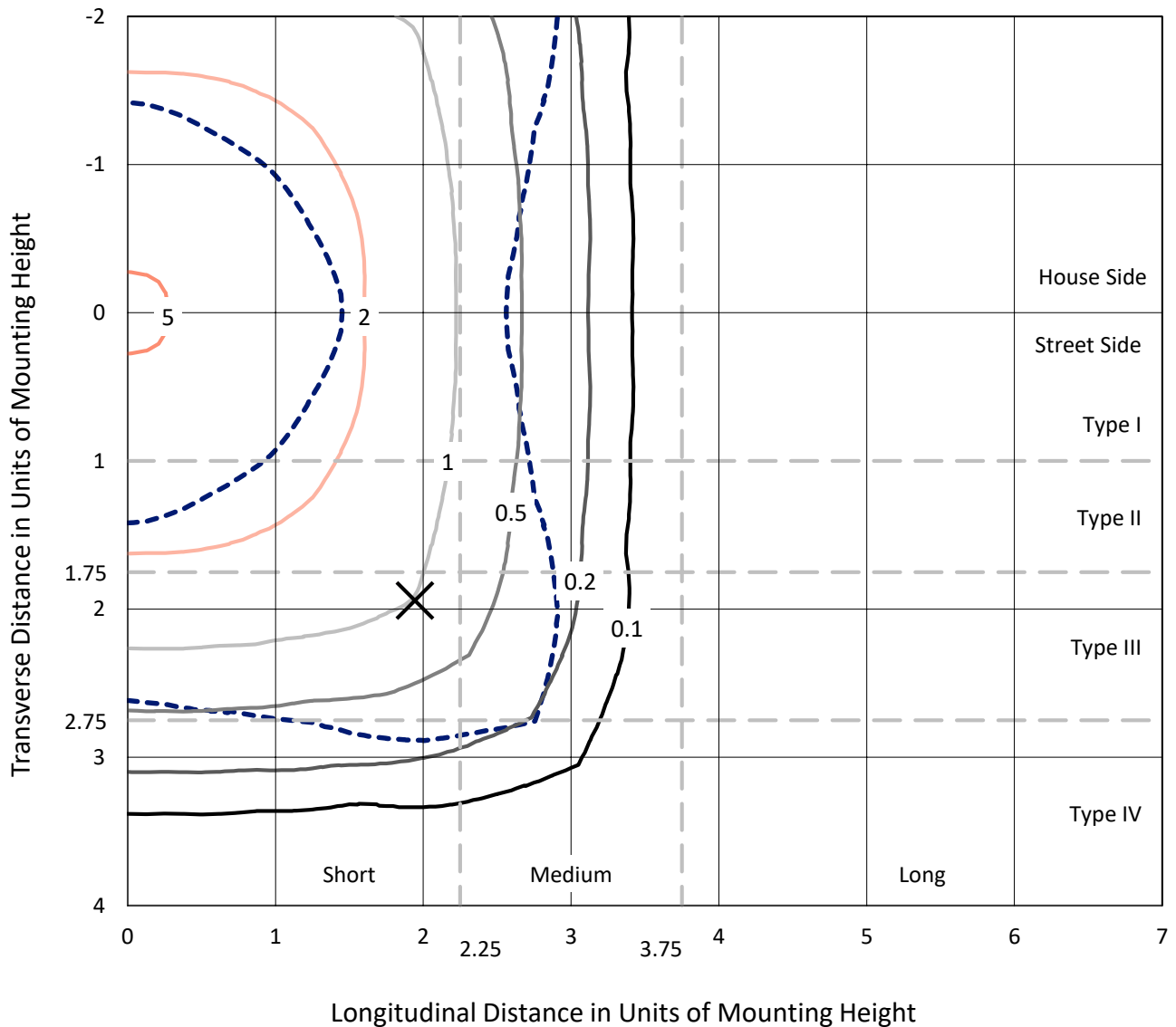
Input Watts (W): 258
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

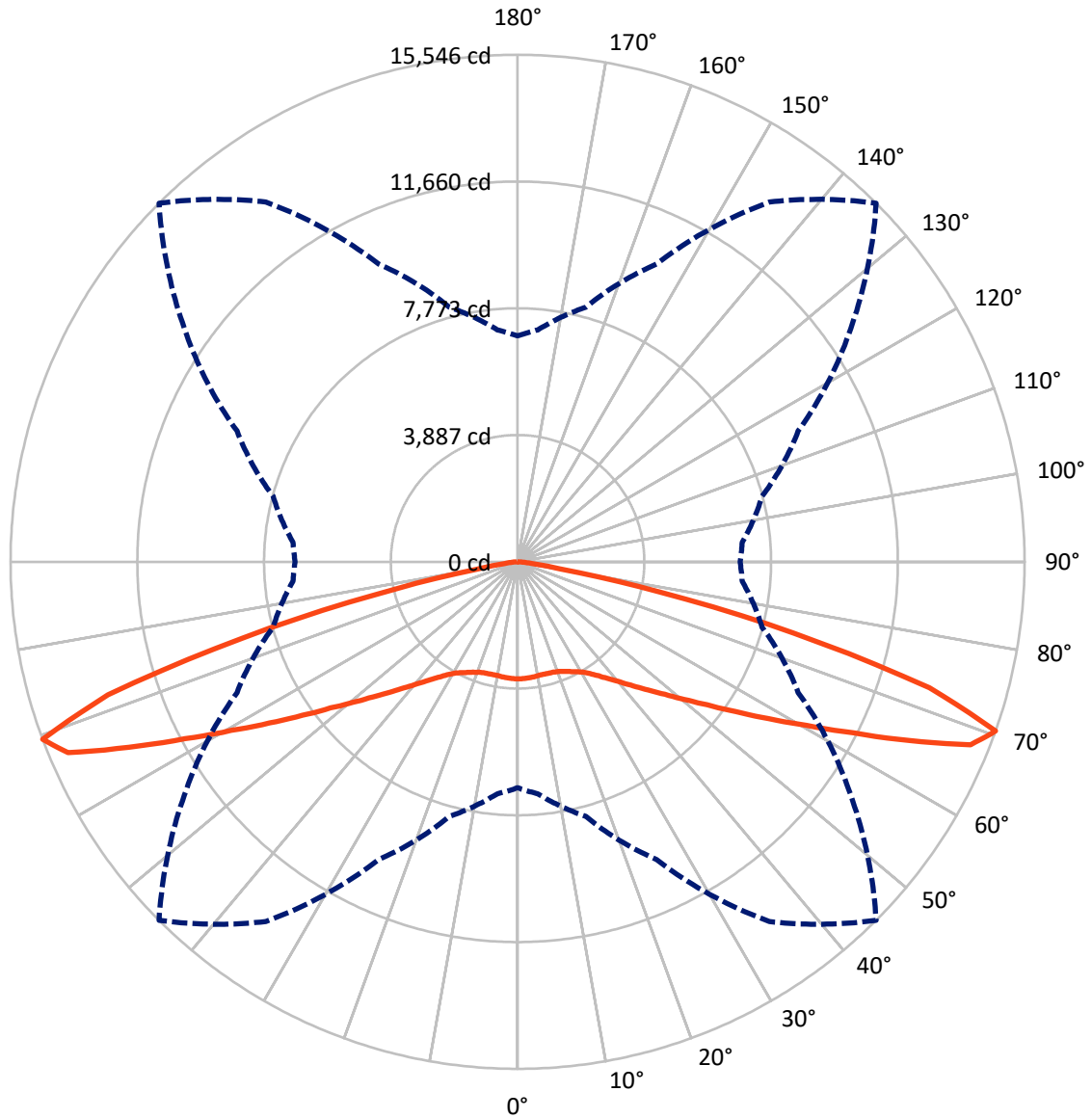
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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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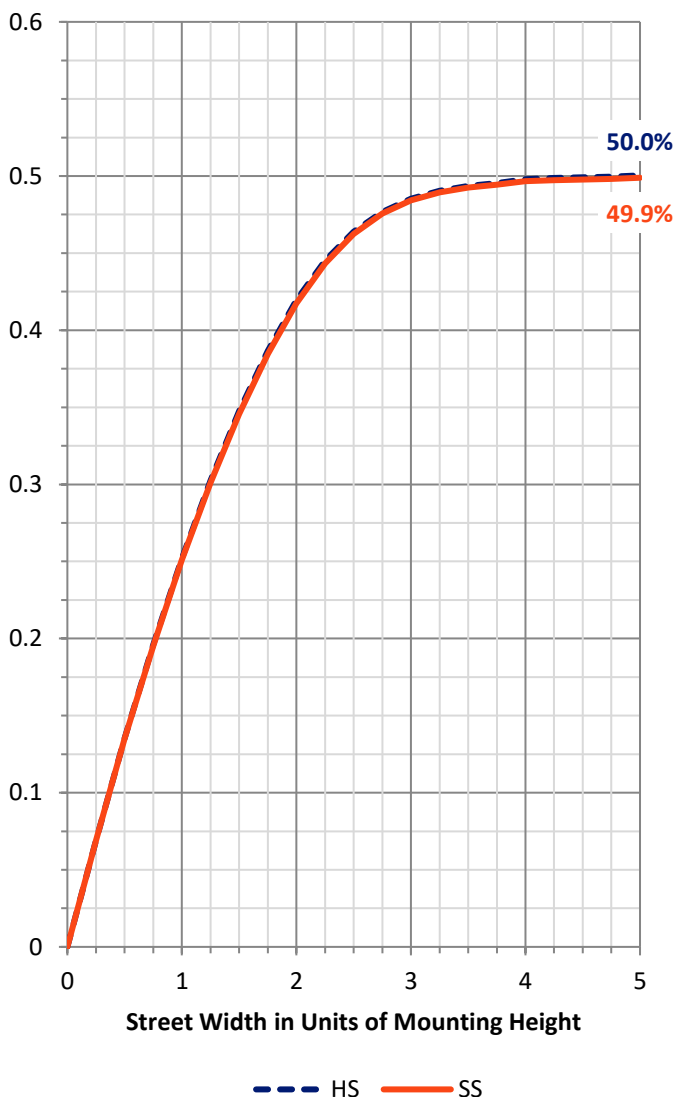
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16440.5	0.0	16440.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16440.5	0.0	16440.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	32881.0	0.0	32881.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.1	1.0
10°-20°	998.5	3.0
20°-30°	1699.8	5.2
30°-40°	2695.8	8.2
40°-50°	4386.9	13.3
50°-60°	7233.2	22.0
60°-70°	10618.6	32.3
70°-80°	4695.5	14.3
80°-90°	212.6	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°	32881.0	100.0
0°-180°	32881.0	100.0

Coefficient of Utilization

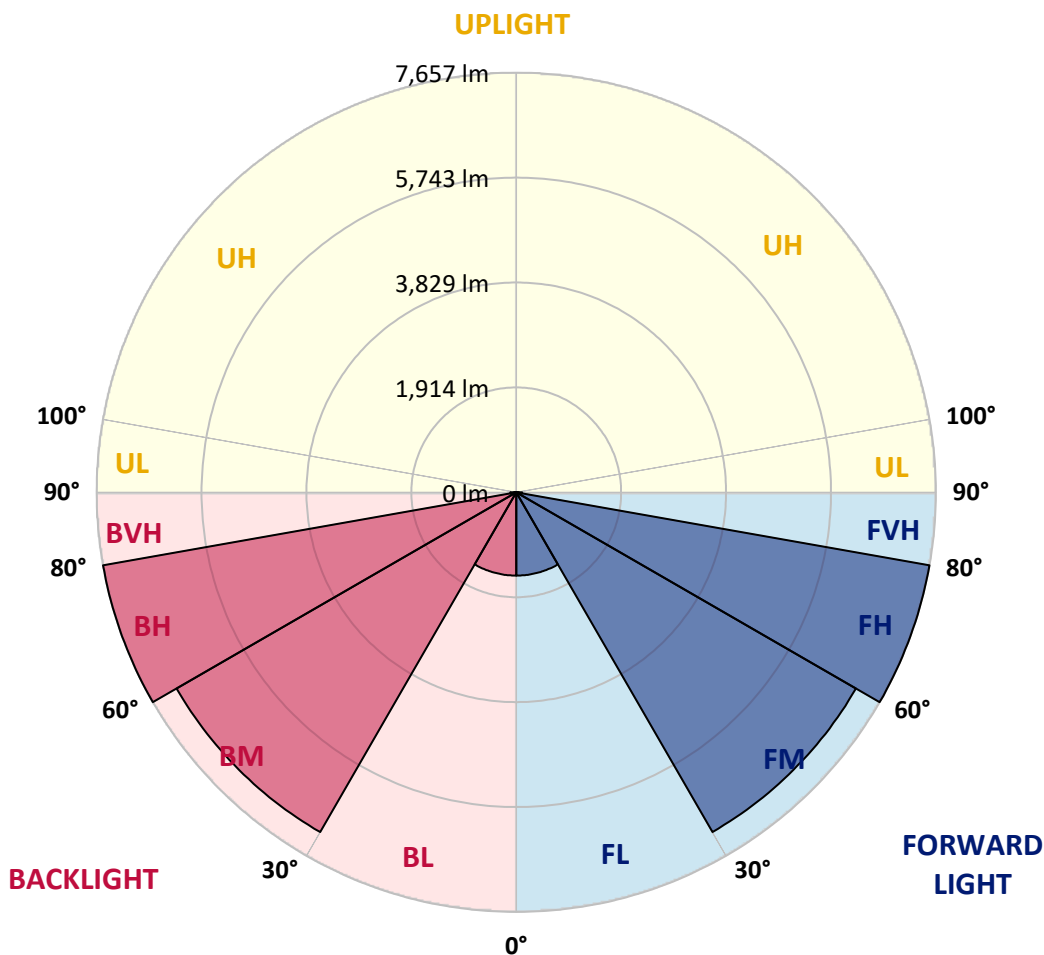


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1519.2	4.6			
FM (30°-60°)	7158.0	21.8			
FH (60°-80°)	7657.0	23.3			G4/12000
FVH (80°-90°)	106.3	0.3			G2/225
BL (0°-30°)	1519.2	4.6	B3/2500		
BM (30°-60°)	7158.0	21.8	B4/8500		
BH (60°-80°)	7657.0	23.3	B5		G4/12000
BVH (80°-90°)	106.3	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°	3591.1	3591.1	3591.1	3591.1	3591.1	3591.1	3591.1	3591.1	3591.1	3591.1	3591.1
2.5°	3585.7	3582.4	3590.0	3588.9	3582.4	3583.5	3583.5	3586.8	3586.8	3584.6	3584.6
5°	3572.6	3570.4	3579.1	3579.1	3572.6	3574.8	3577.0	3580.2	3579.1	3577.0	3575.9
7.5°	3556.3	3555.2	3563.9	3563.9	3559.6	3561.7	3559.6	3560.6	3558.5	3556.3	3553.0
10°	3529.1	3531.3	3538.9	3541.1	3541.1	3542.1	3540.0	3534.5	3531.3	3528.0	3524.7
12.5°	3504.1	3503.0	3513.9	3519.3	3528.0	3537.8	3531.3	3516.0	3509.5	3503.0	3500.8
15°	3487.7	3488.8	3499.7	3509.5	3524.7	3545.4	3537.8	3513.9	3500.8	3493.2	3491.0
17.5°	3484.5	3486.6	3500.8	3518.2	3534.5	3557.4	3553.0	3529.1	3507.3	3493.2	3489.9
20°	3492.1	3493.2	3514.9	3540.0	3568.3	3590.0	3580.2	3554.1	3524.7	3503.0	3497.5
22.5°	3506.2	3510.6	3537.8	3577.0	3620.5	3649.9	3637.9	3593.3	3547.6	3520.4	3512.8
25°	3550.9	3551.9	3588.9	3642.3	3694.5	3728.2	3714.1	3651.0	3592.2	3561.7	3551.9
27.5°	3643.4	3646.6	3683.6	3745.6	3790.3	3812.0	3803.3	3752.2	3702.1	3669.5	3672.7
30°	3777.2	3781.6	3822.9	3891.5	3918.7	3924.1	3921.9	3898.0	3852.3	3808.8	3812.0
32.5°	3940.4	3942.6	3998.1	4060.1	4081.9	4086.3	4081.9	4060.1	4005.7	3947.0	3950.2
35°	4150.5	4157.0	4210.3	4270.2	4287.6	4296.3	4288.7	4260.4	4203.8	4146.1	4143.9
37.5°	4409.5	4410.5	4466.0	4528.1	4549.8	4552.0	4543.3	4524.8	4454.1	4401.8	4398.6
40°	4709.8	4714.2	4779.5	4845.8	4854.5	4844.7	4856.7	4845.8	4772.9	4713.1	4722.9
42.5°	5075.4	5085.2	5163.6	5228.9	5203.9	5198.4	5206.0	5209.3	5150.5	5077.6	5071.1
45°	5500.9	5509.6	5607.6	5659.8	5643.5	5607.6	5622.8	5648.9	5567.3	5477.0	5485.7
47.5°	5986.3	6008.0	6112.5	6161.5	6121.2	6072.3	6101.6	6140.8	6045.0	5933.0	5927.5
50°	6526.0	6553.2	6692.5	6761.1	6720.8	6630.5	6679.5	6705.6	6567.4	6422.7	6410.7
52.5°	7101.7	7128.9	7304.1	7445.6	7419.5	7279.1	7347.6	7320.4	7161.6	6966.8	6951.5
55°	7753.5	7764.4	7953.8	8182.3	8208.4	8105.0	8100.7	8056.1	7821.0	7595.8	7584.9
57.5°	8423.9	8431.5	8676.4	8946.2	9069.2	9069.2	8947.3	8852.6	8540.3	8279.2	8252.0
60°	9147.6	9174.8	9445.7	9812.5	10099.7	10184.6	9969.2	9711.3	9371.7	9052.9	9021.3
62.5°	9791.8	9823.3	10237.9	10784.2	11245.6	11554.7	11028.0	10607.9	9989.8	9478.4	9418.5
65°	9873.4	9958.3	10562.2	11551.4	12584.1	13201.2	12191.3	11156.4	10030.1	9319.5	9258.6
67.5°	9017.0	9160.6	9976.8	11516.6	13650.6	14975.0	12934.6	10843.0	9307.5	8521.8	8454.4
70°	6928.7	7137.6	8078.9	10073.6	13466.7	15546.3	12468.8	9492.5	7760.1	6914.5	6819.9
72.5°	3801.1	3887.1	4733.7	6898.2	10796.2	13211.0	10400.1	7019.0	5146.2	4187.5	4028.6
75°	1205.7	1236.2	1667.1	2822.8	6107.1	8750.4	6606.6	3445.3	1896.8	1398.4	1382.0
77.5°	535.4	538.7	602.9	823.8	2103.5	4433.4	2526.8	938.0	646.4	564.8	583.3
80°	338.4	338.4	373.3	408.1	572.4	1287.4	683.4	446.2	380.9	353.7	361.3
82.5°	162.1	179.6	242.7	261.2	314.5	433.1	350.4	291.6	254.6	189.3	176.3
85°	106.6	89.2	153.4	173.0	182.8	207.8	203.5	192.6	166.5	94.7	105.6
87.5°	47.9	45.7	79.4	72.9	68.6	52.2	78.4	96.9	93.6	46.8	46.8
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)