

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: P316578

Luminaire Tested: **GAN-SA4D-760-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316578
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-760-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 5700K, 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: 32880 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

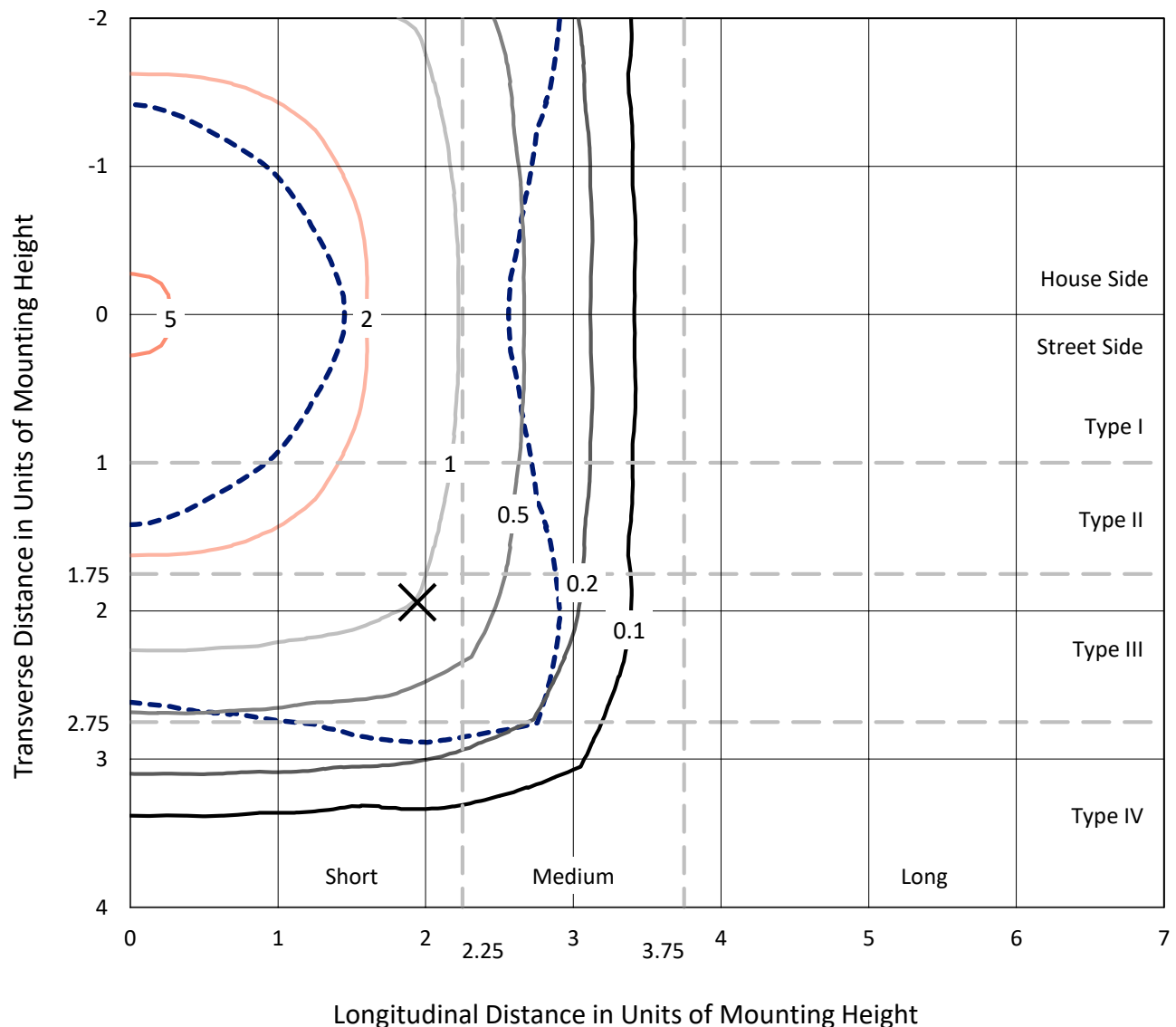
Input Watts (W): 258
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

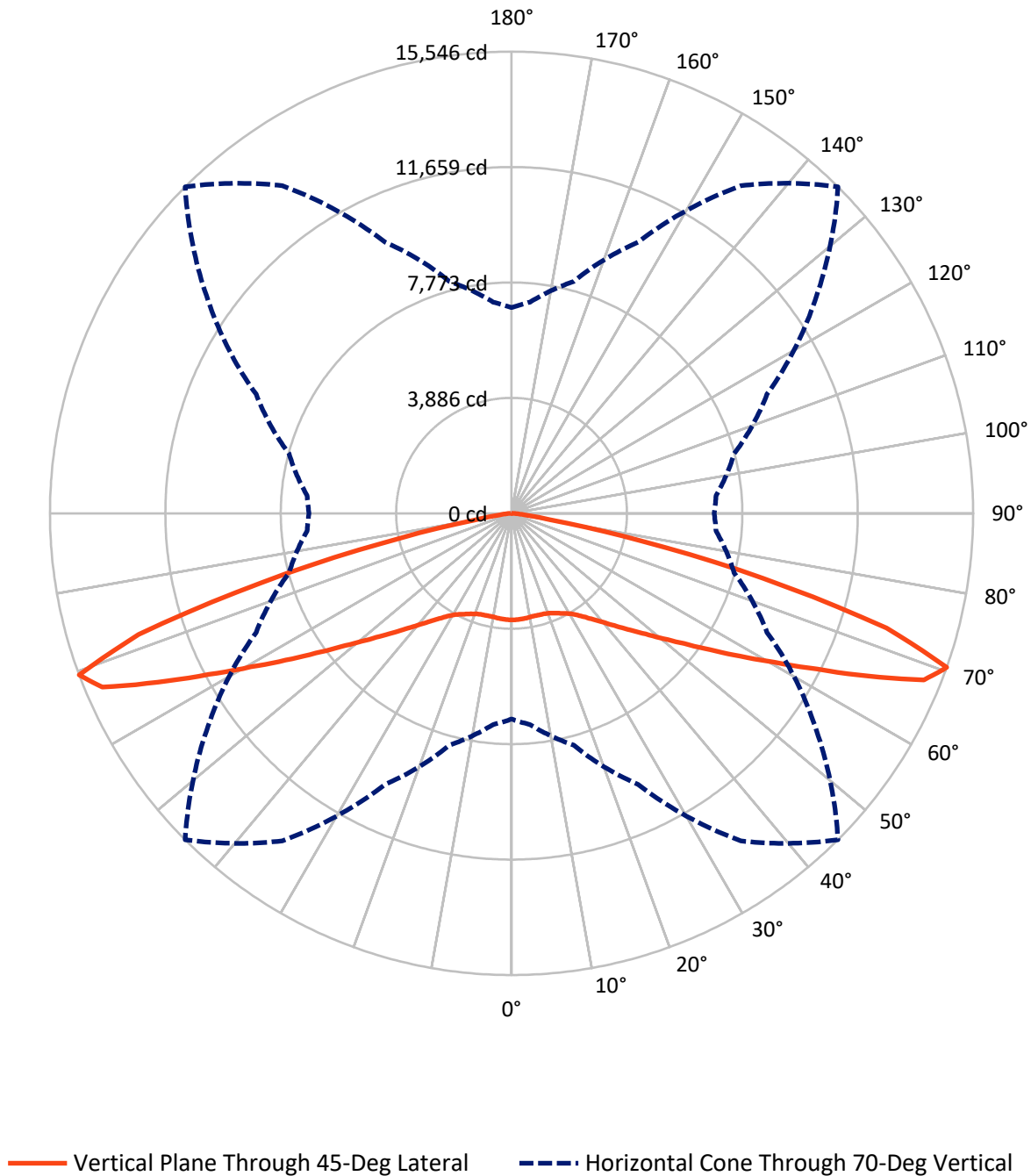
✕ Max cd
 - - - 1/2 Max cd



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



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16440.0	0.0	16440.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16440.0	0.0	16440.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	32880.0	0.0	32880.0
	% 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°	1699.7	5.2
30°-40°	2695.7	8.2
40°-50°	4386.8	13.3
50°-60°	7233.0	22.0
60°-70°	10618.2	32.3
70°-80°	4695.4	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°	32880.0	100.0
0°-180°	32880.0	100.0

Coefficient of Utilization



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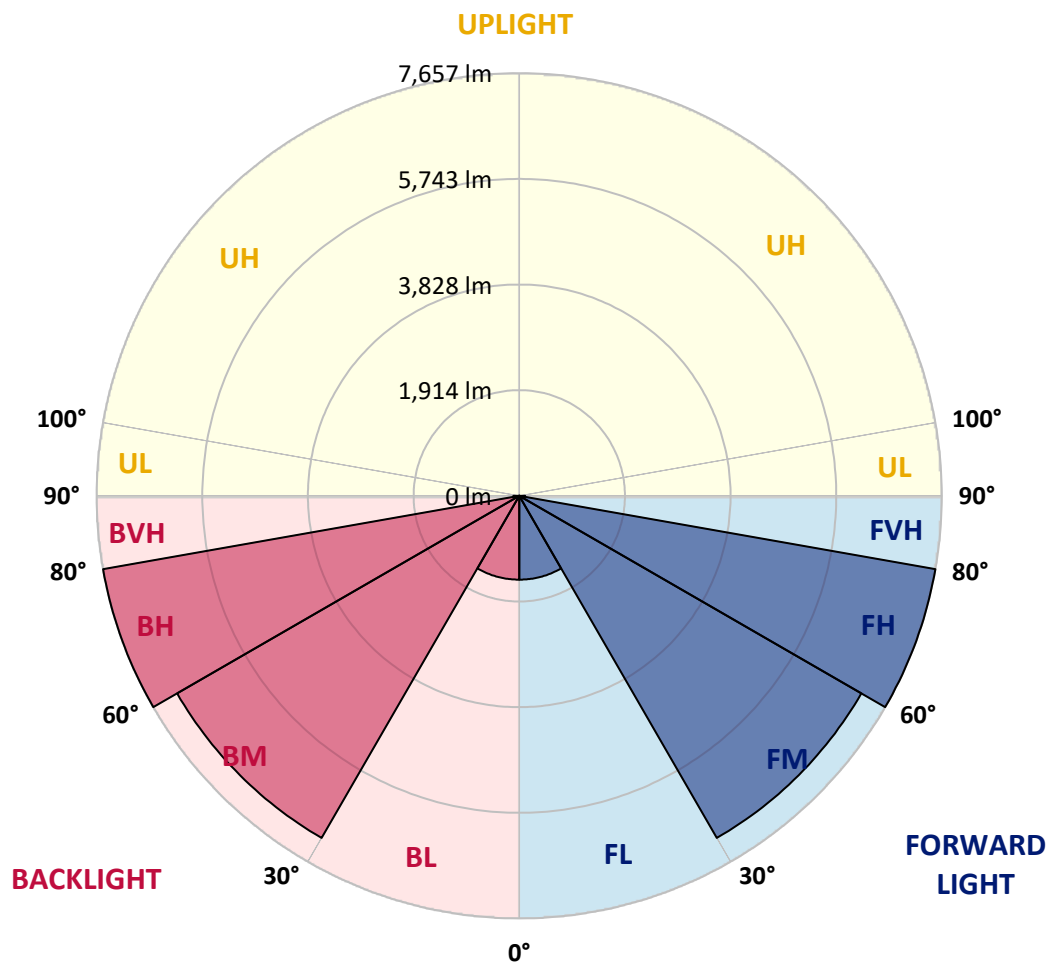
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1519.1	4.6			
FM	(30°-60°)	7157.7	21.8			
FH	(60°-80°)	7656.8	23.3			G4/12000
FVH	(80°-90°)	106.3	0.3			G2/225
BL	(0°-30°)	1519.1	4.6	B3/2500		
BM	(30°-60°)	7157.7	21.8	B4/8500		
BH	(60°-80°)	7656.8	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°	3591.0	3591.0	3591.0	3591.0	3591.0	3591.0	3591.0	3591.0	3591.0	3591.0	3591.0
2.5°	3585.6	3582.3	3589.9	3588.8	3582.3	3583.4	3583.4	3586.7	3586.7	3584.5	3584.5
5°	3572.5	3570.3	3579.0	3579.0	3572.5	3574.7	3576.9	3580.1	3579.0	3576.9	3575.8
7.5°	3556.2	3555.1	3563.8	3563.8	3559.5	3561.6	3559.5	3560.5	3558.4	3556.2	3552.9
10°	3529.0	3531.2	3538.8	3541.0	3541.0	3542.0	3539.9	3534.4	3531.2	3527.9	3524.6
12.5°	3504.0	3502.9	3513.7	3519.2	3527.9	3537.7	3531.2	3515.9	3509.4	3502.9	3500.7
15°	3487.6	3488.7	3499.6	3509.4	3524.6	3545.3	3537.7	3513.7	3500.7	3493.1	3490.9
17.5°	3484.4	3486.5	3500.7	3518.1	3534.4	3557.3	3552.9	3529.0	3507.2	3493.1	3489.8
20°	3492.0	3493.1	3514.8	3539.9	3568.2	3589.9	3580.1	3554.0	3524.6	3502.9	3497.4
22.5°	3506.1	3510.5	3537.7	3576.9	3620.4	3649.8	3637.8	3593.2	3547.5	3520.3	3512.7
25°	3550.7	3551.8	3588.8	3642.2	3694.4	3728.1	3714.0	3650.9	3592.1	3561.6	3551.8
27.5°	3643.2	3646.5	3683.5	3745.5	3790.1	3811.9	3803.2	3752.1	3702.0	3669.4	3672.6
30°	3777.1	3781.4	3822.8	3891.3	3918.6	3924.0	3921.8	3897.9	3852.2	3808.6	3811.9
32.5°	3940.3	3942.5	3998.0	4060.0	4081.8	4086.1	4081.8	4060.0	4005.6	3946.8	3950.1
35°	4150.3	4156.9	4210.2	4270.0	4287.4	4296.2	4288.5	4260.2	4203.7	4146.0	4143.8
37.5°	4409.3	4410.4	4465.9	4527.9	4549.7	4551.9	4543.2	4524.7	4453.9	4401.7	4398.4
40°	4709.7	4714.0	4779.3	4845.7	4854.4	4844.6	4856.6	4845.7	4772.8	4712.9	4722.7
42.5°	5075.3	5085.1	5163.4	5228.7	5203.7	5198.3	5205.9	5209.1	5150.4	5077.5	5070.9
45°	5500.8	5509.5	5607.4	5659.6	5643.3	5607.4	5622.6	5648.8	5567.2	5476.8	5485.5
47.5°	5986.1	6007.9	6112.3	6161.3	6121.0	6072.1	6101.4	6140.6	6044.9	5932.8	5927.3
50°	6525.8	6553.0	6692.3	6760.9	6720.6	6630.3	6679.3	6705.4	6567.2	6422.5	6410.5
52.5°	7101.5	7128.7	7303.9	7445.4	7419.2	7278.9	7347.4	7320.2	7161.3	6966.6	6951.3
55°	7753.3	7764.2	7953.5	8182.1	8208.2	8104.8	8100.4	8055.8	7820.8	7595.5	7584.6
57.5°	8423.6	8431.3	8676.1	8946.0	9068.9	9068.9	8947.1	8852.4	8540.1	8278.9	8251.7
60°	9147.3	9174.5	9445.4	9812.2	10099.4	10184.3	9968.9	9711.0	9371.4	9052.6	9021.0
62.5°	9791.5	9823.0	10237.6	10783.9	11245.3	11554.3	11027.7	10607.6	9989.5	9478.1	9418.2
65°	9873.1	9958.0	10561.9	11551.1	12583.8	13200.8	12190.9	11156.1	10029.8	9319.2	9258.3
67.5°	9016.7	9160.3	9976.5	11516.3	13650.2	14974.5	12934.2	10842.7	9307.2	8521.6	8454.1
70°	6928.5	7137.4	8078.7	10073.3	13466.3	15545.8	12468.4	9492.2	7759.8	6914.3	6819.7
72.5°	3801.0	3887.0	4733.6	6898.0	10795.9	13210.6	10399.8	7018.8	5146.0	4187.3	4028.5
75°	1205.7	1236.2	1667.1	2822.7	6106.9	8750.1	6606.4	3445.2	1896.7	1398.3	1382.0
77.5°	535.4	538.7	602.9	823.8	2103.5	4433.3	2526.8	938.0	646.4	564.8	583.3
80°	338.4	338.4	373.2	408.1	572.4	1287.3	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	78.3	96.8	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)