

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: P317178

Luminaire Tested: **GAN-SA4D-750-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317178
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA4D-750-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 5000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31994 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

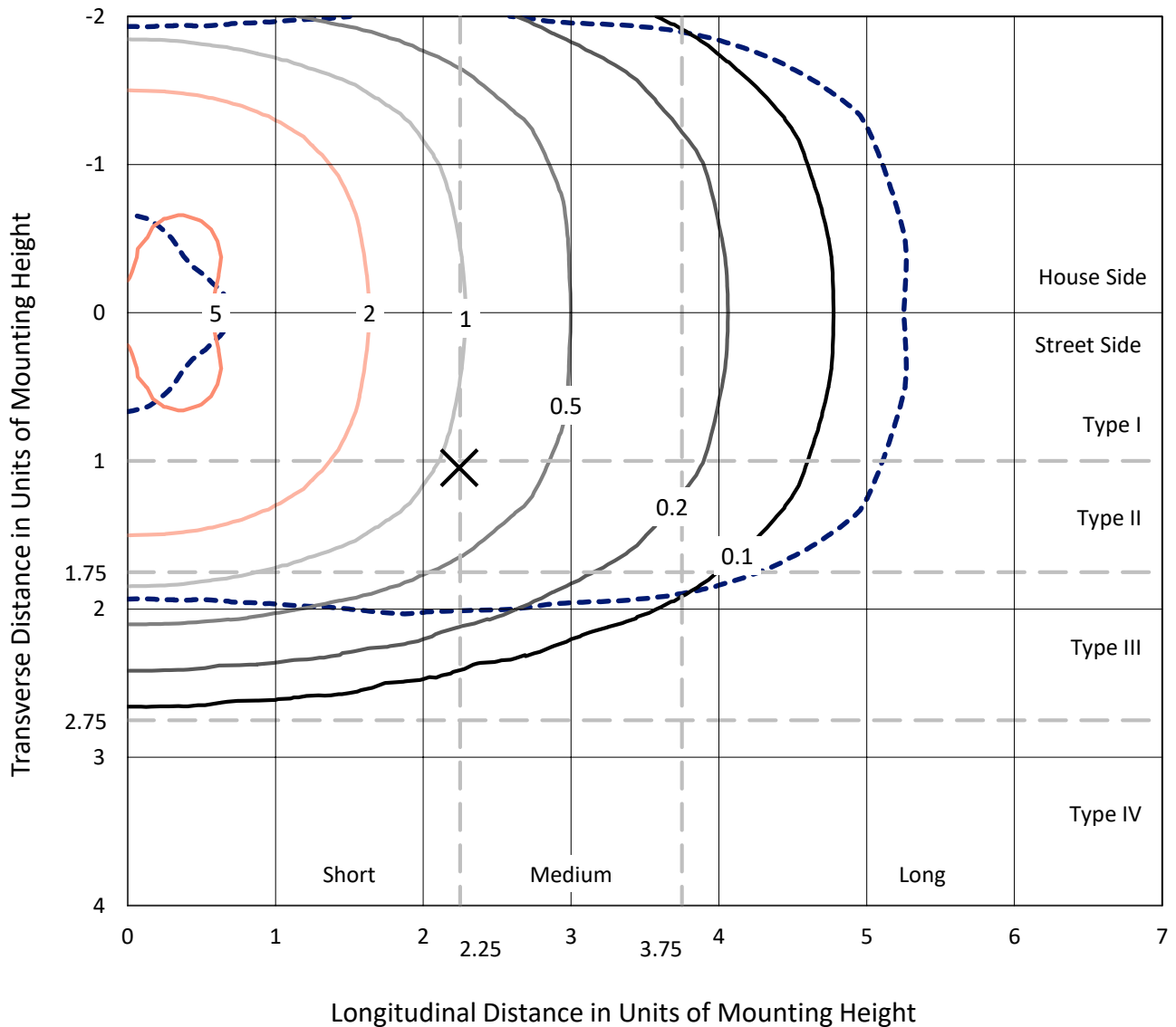
Input Watts (W): 258
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

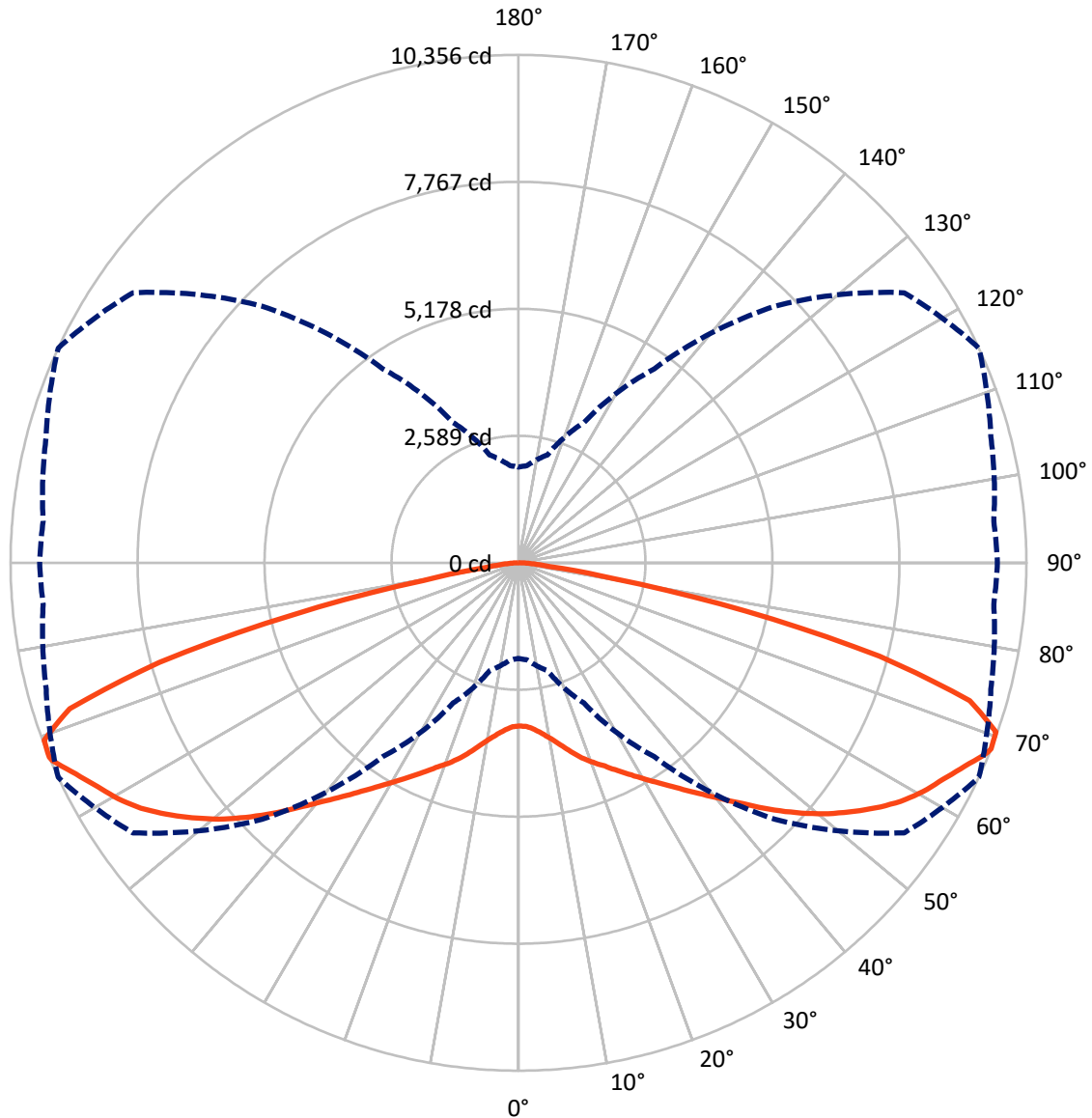
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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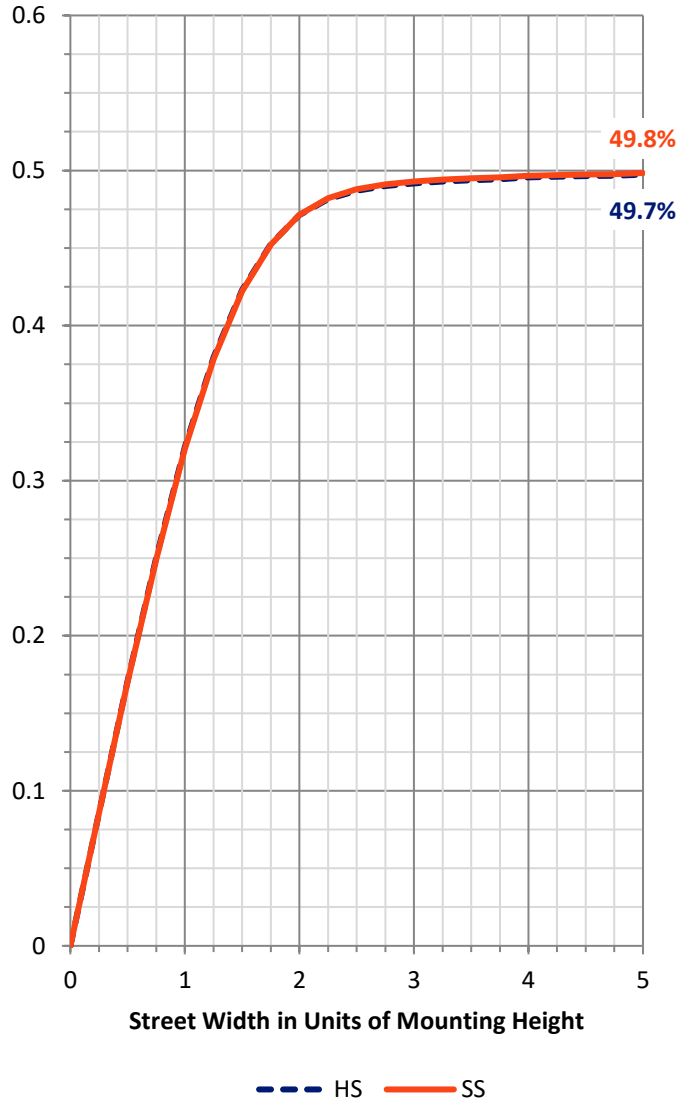
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15997.0	0.0	15997.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15997.0	0.0	15997.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	31994.0	0.0	31994.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.7	1.0
10°-20°	1090.6	3.4
20°-30°	2126.3	6.6
30°-40°	3572.1	11.2
40°-50°	5628.4	17.6
50°-60°	7527.0	23.5
60°-70°	7317.2	22.9
70°-80°	3999.9	12.5
80°-90°	406.8	1.3
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°	31994.0	100.0
0°-180°	31994.0	100.0

Coefficient of Utilization



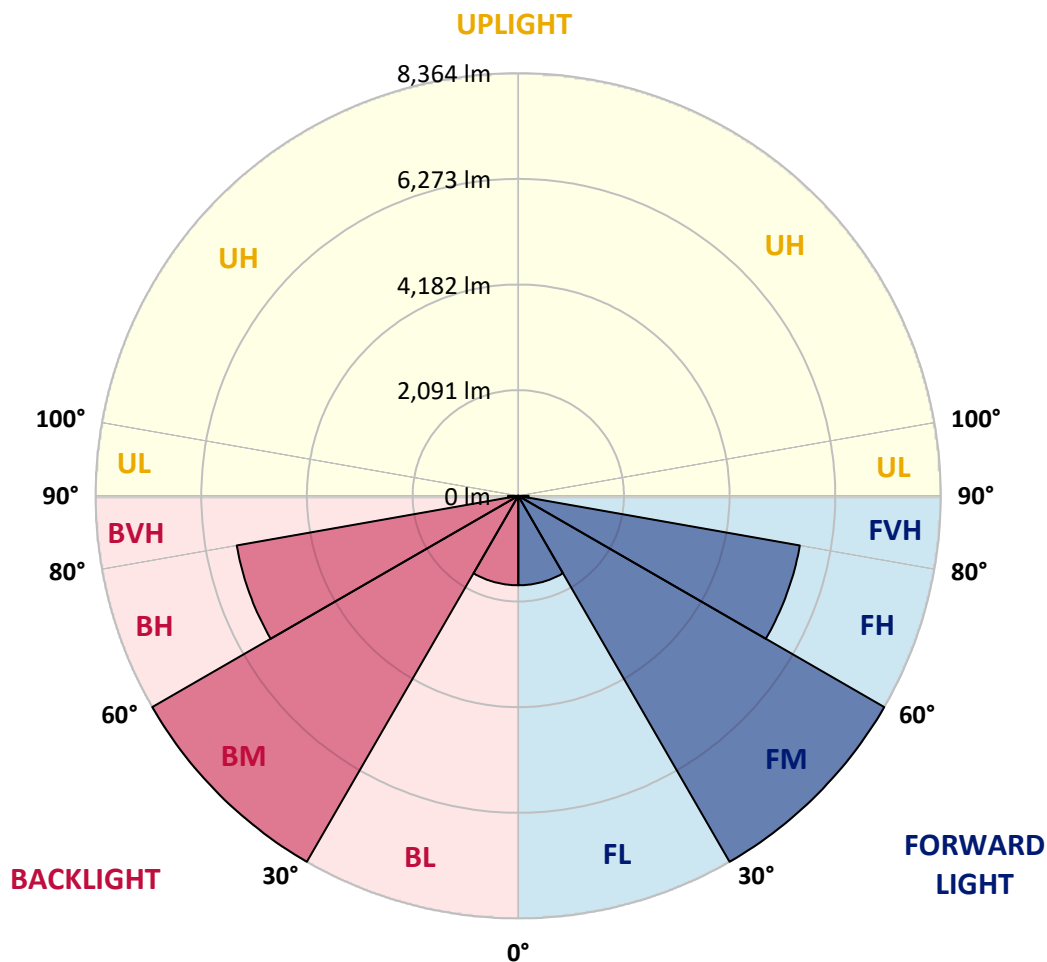
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1771.3	5.5			
FM	(30°-60°)	8363.7	26.1			
FH	(60°-80°)	5658.6	17.7			G3/7500
FVH	(80°-90°)	203.4	0.6			G2/225
BL	(0°-30°)	1771.3	5.5	B3/2500		
BM	(30°-60°)	8363.7	26.1	B4/8500		
BH	(60°-80°)	5658.6	17.7	B5		G5
BVH	(80°-90°)	203.4	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3326.6	3326.6	3326.6	3326.6	3326.6	3326.6	3326.6	3326.6	3326.6	3326.6	3326.6
2.5°	3303.0	3304.1	3309.5	3315.9	3321.3	3335.2	3338.4	3343.8	3345.9	3351.3	3351.3
5°	3274.1	3276.2	3289.1	3306.2	3325.6	3359.9	3384.6	3412.4	3426.4	3441.4	3440.3
7.5°	3270.8	3276.2	3294.4	3322.3	3354.5	3411.4	3462.9	3518.6	3556.2	3590.5	3588.4
10°	3304.1	3312.7	3338.4	3380.3	3428.5	3499.3	3575.5	3650.6	3716.0	3768.6	3770.7
12.5°	3354.5	3365.2	3406.0	3469.3	3542.2	3633.4	3723.5	3808.3	3898.4	3976.7	3983.2
15°	3421.0	3435.0	3496.1	3590.5	3702.1	3810.4	3907.0	3993.9	4097.9	4206.3	4217.0
17.5°	3519.7	3539.0	3619.5	3747.1	3894.1	4013.2	4114.0	4179.5	4266.4	4377.9	4398.3
20°	3669.9	3694.6	3796.5	3948.8	4128.0	4252.4	4329.7	4343.6	4386.5	4486.3	4509.9
22.5°	3865.1	3886.6	4000.3	4181.6	4382.2	4517.4	4558.1	4502.4	4498.1	4578.5	4601.1
25°	4082.9	4102.2	4234.2	4438.0	4653.6	4802.7	4801.7	4693.3	4618.2	4680.4	4704.0
27.5°	4327.5	4357.5	4484.1	4698.7	4929.3	5076.3	5067.7	4900.4	4757.7	4773.8	4794.2
30°	4608.6	4641.8	4765.2	4983.0	5213.6	5357.4	5346.6	5125.6	4911.1	4868.2	4883.2
32.5°	4957.2	4996.9	5113.8	5328.4	5532.2	5662.0	5630.9	5370.2	5095.6	5002.3	5016.2
35°	5376.7	5400.3	5523.6	5735.0	5900.2	5989.2	5923.8	5653.4	5329.5	5216.8	5216.8
37.5°	5801.5	5819.7	5958.1	6163.0	6322.8	6370.0	6242.4	5963.5	5635.2	5475.4	5478.6
40°	6209.1	6258.5	6414.0	6624.3	6782.0	6794.9	6625.4	6317.5	5975.3	5810.1	5829.4
42.5°	6635.0	6683.3	6868.9	7107.0	7246.5	7267.9	7069.5	6714.4	6359.3	6225.2	6246.7
45°	7014.8	7053.4	7267.9	7544.7	7718.5	7774.3	7539.3	7169.2	6774.5	6643.6	6649.0
47.5°	7279.7	7330.2	7566.2	7892.3	8145.5	8231.3	8000.6	7612.3	7183.2	7024.4	7038.4
50°	7520.0	7546.9	7786.1	8142.2	8464.1	8641.1	8443.7	8050.0	7596.2	7427.8	7442.8
52.5°	7654.1	7688.5	7920.2	8291.3	8672.2	8957.5	8837.4	8443.7	7995.3	7831.1	7849.4
55°	7560.8	7586.5	7864.4	8324.6	8800.9	9152.8	9171.0	8828.8	8386.8	8243.1	8294.6
57.5°	7136.0	7168.2	7507.2	8110.1	8817.0	9284.7	9422.0	9186.0	8752.6	8635.7	8665.7
60°	6472.0	6492.3	6853.9	7531.8	8503.8	9339.4	9581.9	9477.8	9110.9	8994.0	9034.8
62.5°	5288.7	5318.7	5751.1	6659.7	7841.9	9177.4	9736.4	9719.2	9444.6	9337.3	9373.8
65°	3615.2	3667.8	4146.2	5295.1	6821.7	8681.8	9876.9	10000.3	9739.6	9604.4	9652.7
67.5°	2183.1	2221.7	2568.2	3496.1	5220.0	7682.0	9732.1	10319.9	9947.7	9729.9	9769.6
68°	1951.3	1986.7	2276.4	3155.0	4828.5	7399.9	9600.1	10356.4	9970.2	9727.8	9763.2
70°	1179.0	1202.6	1396.7	1950.3	3219.3	5870.1	8700.1	10326.4	10114.0	9757.8	9778.2
72.5°	768.1	775.6	807.8	1000.9	1644.5	3282.6	6529.9	9622.6	10329.6	9932.7	9929.4
75°	638.3	634.0	637.2	659.7	811.0	1439.6	3815.8	7601.6	9846.8	9657.0	9589.4
77.5°	539.6	536.4	535.3	536.4	542.8	695.1	1656.3	4735.2	7535.1	8542.4	8602.4
80°	436.6	432.3	446.3	439.8	420.5	432.3	694.1	1969.6	3551.9	3821.2	3580.9
82.5°	317.5	301.4	361.5	344.4	328.3	304.7	383.0	636.1	847.5	581.4	408.7
85°	244.6	227.4	274.6	263.9	225.3	155.5	227.4	311.1	343.3	196.3	154.5
87.5°	99.8	105.1	198.5	156.6	131.9	75.1	93.3	124.4	167.4	83.7	64.4
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)