

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: P192763

Luminaire Tested: **GAN-AF-05-LED-U-RW-7030-1200**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P192763
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24166)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-AF-05-LED-U-RW-7030-1200
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32264.2 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Medium - Full Cutoff
BUG Rating: B5 - U0 - G3

Input Watts (W): 320
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: 28.75 FT



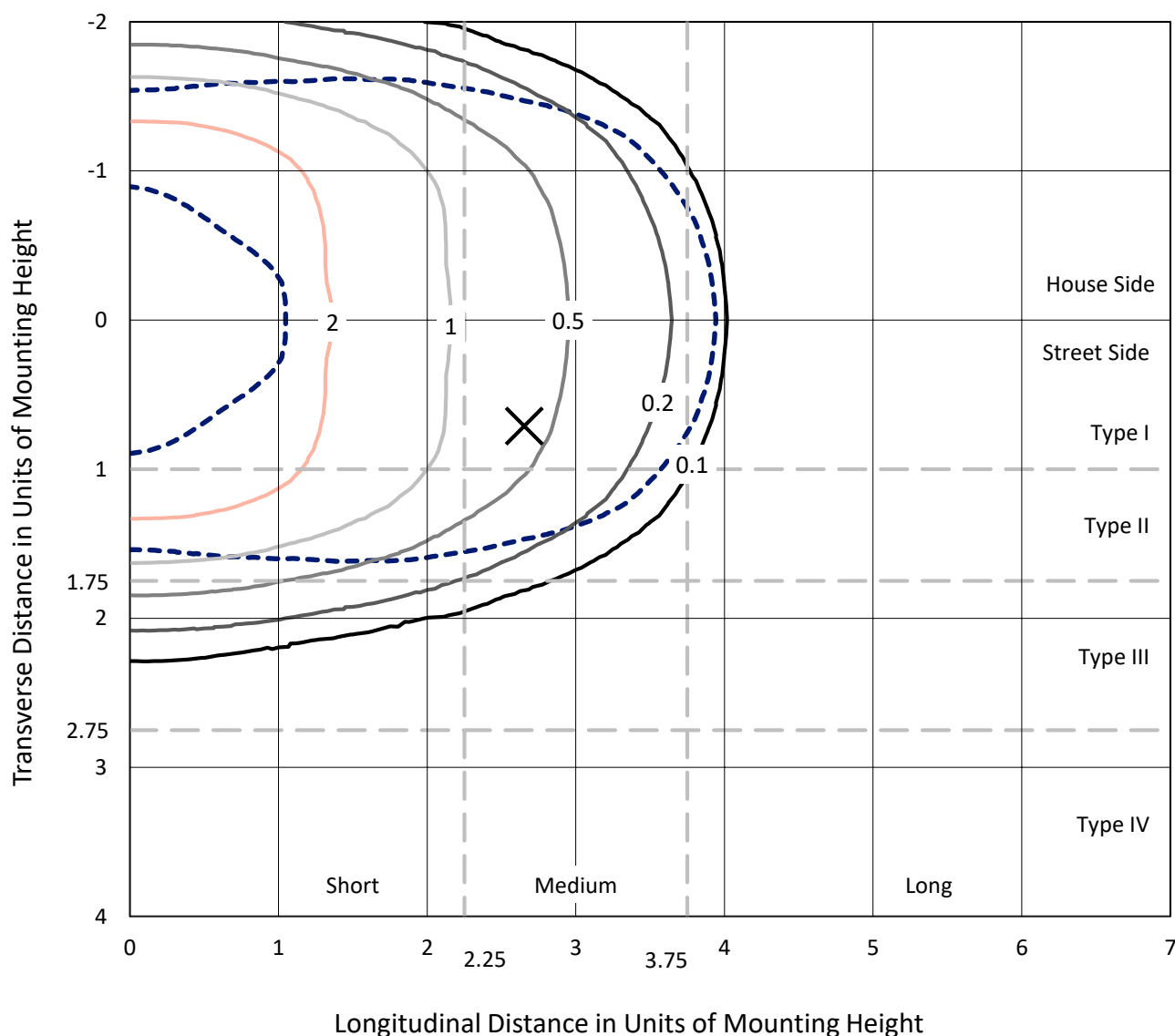
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

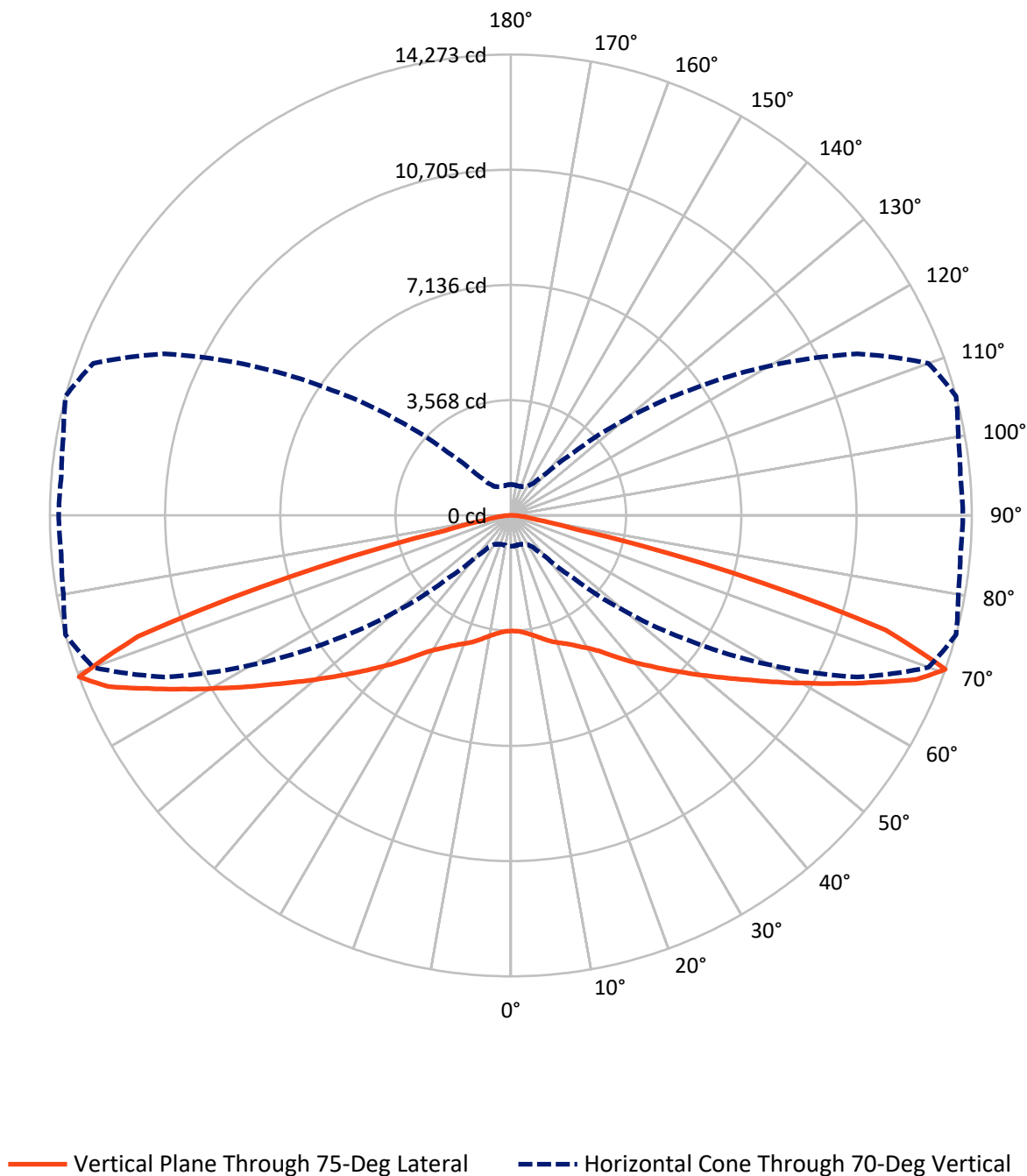


Based on 30 foot mounting height. Maximum calculated value = 4 fc
Type V - Medium - Full Cutoff

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Luminous Intensity Polar Plot



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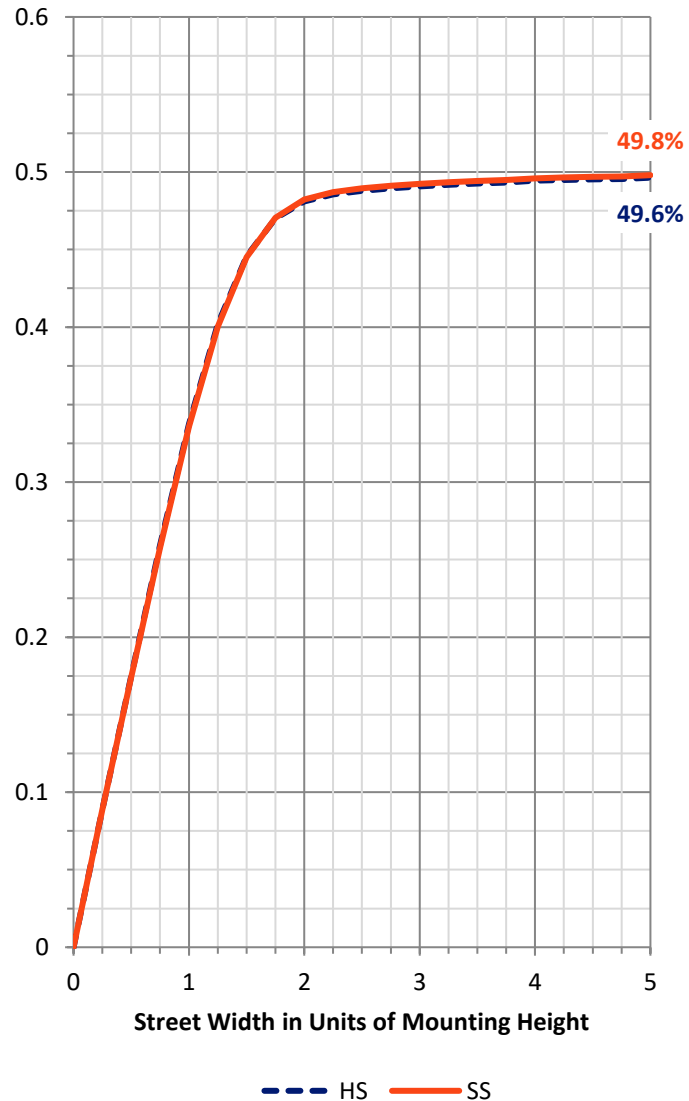
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16132.1	0.0	16132.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16132.1	0.0	16132.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	32264.2	0.0	32264.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.2	1.1
10°-20°	1066.5	3.3
20°-30°	2007.3	6.2
30°-40°	3554.6	11.0
40°-50°	5944.4	18.4
50°-60°	8283.5	25.7
60°-70°	7681.6	23.8
70°-80°	3061.4	9.5
80°-90°	321.8	1.0
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°	32264.2	100.0
0°-180°	32264.2	100.0

Coefficient of Utilization



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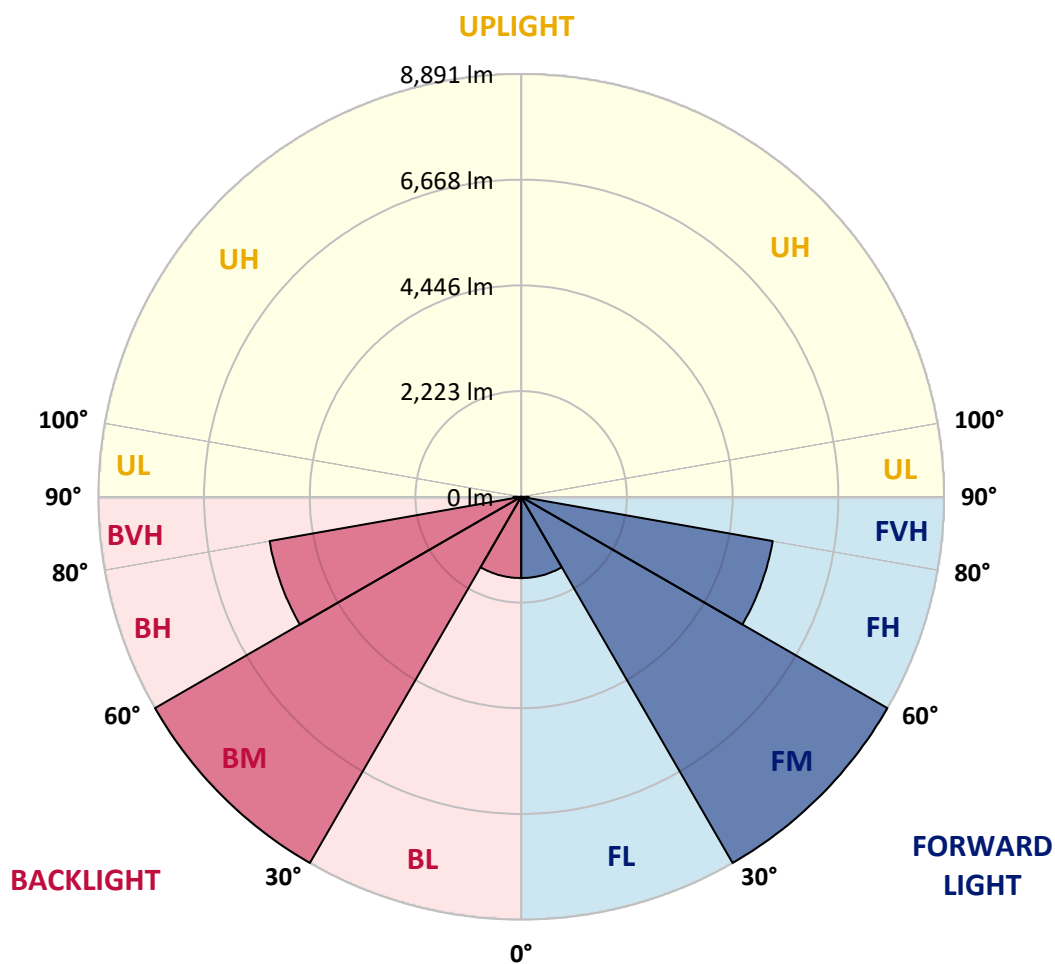
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1708.5	5.3			
FM	(30°-60°)	8891.2	27.6			
FH	(60°-80°)	5371.5	16.6			G3/7500
FVH	(80°-90°)	160.9	0.5			G2/225
BL	(0°-30°)	1708.5	5.3	B3/2500		
BM	(30°-60°)	8891.2	27.6	B5		
BH	(60°-80°)	5371.5	16.6	B5		G3/7500
BVH	(80°-90°)	160.9	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3578.9	3578.9	3578.9	3578.9	3578.9	3578.9	3578.9	3578.9	3578.9	3578.9	3578.9
2.5°	3572.8	3569.7	3572.8	3571.2	3574.3	3574.3	3577.3	3583.4	3583.4	3588.0	3586.4
5°	3537.7	3536.1	3540.8	3545.4	3549.9	3559.0	3568.2	3581.9	3592.6	3600.2	3607.8
7.5°	3469.1	3469.1	3475.2	3485.8	3496.6	3516.3	3537.7	3565.1	3592.6	3615.5	3635.3
10°	3412.6	3415.7	3423.3	3441.6	3459.9	3490.4	3519.3	3559.0	3597.2	3635.3	3665.7
12.5°	3379.1	3383.6	3397.4	3424.8	3455.4	3496.6	3540.8	3591.1	3633.8	3679.6	3710.0
15°	3389.8	3392.8	3412.6	3446.1	3485.8	3537.7	3597.2	3656.6	3706.9	3755.8	3796.9
17.5°	3449.2	3453.8	3476.7	3514.8	3556.0	3617.0	3681.1	3748.1	3810.6	3865.5	3915.9
20°	3556.0	3560.5	3589.5	3630.6	3679.6	3742.0	3806.0	3876.2	3946.3	4004.3	4060.7
22.5°	3706.9	3714.6	3742.0	3783.2	3838.1	3905.2	3981.4	4056.1	4123.2	4176.7	4226.9
25°	3905.2	3922.0	3947.9	3993.7	4051.6	4112.5	4194.9	4271.2	4335.2	4385.5	4422.2
27.5°	4185.7	4208.6	4228.5	4272.7	4329.1	4387.1	4469.4	4536.5	4597.5	4646.2	4673.7
30°	4557.9	4580.7	4600.5	4643.2	4695.1	4749.9	4827.7	4887.1	4925.3	4963.4	4961.9
32.5°	5009.2	5033.6	5041.2	5087.0	5140.3	5199.7	5269.9	5303.5	5333.9	5338.5	5311.1
35°	5513.9	5526.2	5556.6	5617.6	5678.6	5727.4	5794.4	5811.3	5811.3	5788.3	5727.4
37.5°	6067.3	6075.1	6117.8	6186.4	6248.9	6299.3	6345.0	6378.5	6361.7	6312.9	6210.8
40°	6674.3	6688.1	6749.1	6810.0	6880.2	6927.5	6976.2	6982.3	6965.6	6893.9	6755.2
42.5°	7253.8	7266.0	7326.9	7423.1	7514.6	7580.1	7625.9	7635.0	7581.6	7516.1	7343.8
45°	7752.4	7784.4	7863.7	7976.6	8109.2	8202.2	8264.8	8290.7	8243.4	8158.1	7958.2
47.5°	8147.4	8179.3	8292.2	8426.4	8591.0	8742.1	8845.7	8900.6	8888.5	8824.5	8606.4
50°	8437.1	8467.6	8589.5	8754.3	8946.3	9134.0	9310.8	9441.9	9487.7	9458.7	9258.9
52.5°	8470.7	8520.9	8664.3	8885.4	9135.5	9391.6	9643.2	9865.9	10016.9	10039.8	9891.8
55°	8002.4	8052.9	8251.0	8578.9	8950.9	9368.8	9771.4	10146.5	10443.8	10596.3	10518.5
57.5°	6898.5	6988.4	7197.4	7581.6	8129.1	8754.3	9396.2	10062.6	10668.0	11072.0	11149.8
60°	5286.7	5393.5	5603.9	6012.5	6622.5	7368.1	8225.1	9210.2	10279.1	11187.9	11730.8
62.5°	3391.3	3491.9	3713.0	4068.4	4565.4	5373.6	6293.2	7462.7	8899.1	10334.0	11627.1
65°	1742.9	1797.9	1913.6	2128.7	2516.0	3119.9	3944.8	5111.3	6753.7	8524.0	10393.5
67.5°	1103.9	1114.7	1140.5	1171.1	1270.2	1479.2	1863.4	2590.7	3941.7	5788.3	7976.6
70°	954.6	954.6	942.4	937.8	950.0	979.0	1038.4	1207.7	1663.6	2747.8	4600.5
72.5°	873.7	864.6	843.3	826.4	823.4	823.4	835.7	861.5	934.7	1119.3	1800.8
75°	805.1	779.2	750.3	730.4	722.8	715.2	713.7	718.2	733.4	762.4	860.0
77.5°	721.2	687.7	654.1	634.4	625.2	614.5	605.4	594.7	587.0	596.2	638.9
80°	620.6	582.5	556.5	544.3	535.3	520.0	500.2	481.9	465.1	462.0	488.0
82.5°	500.2	455.9	457.5	462.0	445.2	423.9	402.5	382.7	353.8	338.4	353.8
85°	404.0	381.2	370.5	399.6	375.1	343.1	309.5	274.5	228.7	192.2	208.9
87.5°	157.2	157.2	234.8	361.4	324.8	265.3	227.3	193.6	120.5	93.0	94.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	3578.9	3578.9	3578.9	3578.9	3578.9	3578.9	3578.9	3578.9
2.5°	3584.9	3588.0	3586.4	3584.9	3584.9	3583.4	3584.9	3584.9
5°	3612.4	3620.0	3620.0	3623.0	3623.0	3624.5	3626.1	3624.5
7.5°	3653.6	3667.3	3676.5	3687.2	3688.7	3690.1	3693.2	3690.1
10°	3694.7	3722.3	3742.0	3761.8	3771.0	3774.1	3777.1	3777.1
12.5°	3746.6	3784.7	3819.8	3854.8	3871.6	3880.8	3880.8	3886.9
15°	3831.9	3870.1	3911.3	3958.6	3987.5	4002.8	4007.3	4007.3
17.5°	3952.5	3986.0	4021.1	4066.8	4103.4	4123.2	4127.9	4126.2
20°	4092.8	4124.7	4144.5	4173.6	4205.6	4228.5	4234.6	4234.6
22.5°	4252.8	4271.2	4274.2	4283.4	4309.3	4339.8	4353.4	4356.5
25°	4429.7	4434.3	4422.2	4422.2	4438.8	4467.8	4481.6	4483.1
27.5°	4658.5	4635.6	4605.1	4594.5	4605.1	4638.6	4655.4	4661.5
30°	4943.7	4888.7	4818.6	4780.4	4774.3	4818.6	4849.0	4853.7
32.5°	5269.9	5190.7	5097.6	5019.8	5000.0	5027.4	5064.0	5062.5
35°	5657.2	5562.7	5449.9	5350.8	5305.0	5332.5	5384.3	5390.5
37.5°	6104.0	5980.6	5851.0	5725.8	5654.1	5661.9	5716.8	5735.0
40°	6602.6	6442.6	6279.3	6111.6	6009.5	5989.7	6056.8	6067.3
42.5°	7136.4	6930.6	6724.7	6517.4	6386.1	6355.6	6433.4	6428.9
45°	7705.2	7442.8	7202.0	6973.3	6817.7	6771.9	6836.1	6836.1
47.5°	8316.6	7993.3	7706.7	7447.4	7278.2	7212.6	7273.6	7278.2
50°	8964.7	8621.5	8284.6	7996.3	7793.6	7709.8	7789.0	7801.2
52.5°	9609.7	9275.8	8935.7	8606.4	8360.8	8258.7	8350.1	8389.8
55°	10263.9	9936.0	9611.2	9289.4	8998.3	8877.8	8975.3	9025.7
57.5°	10954.7	10651.1	10341.6	10016.9	9736.3	9548.7	9652.4	9719.4
60°	11764.4	11505.1	11183.3	10825.0	10541.5	10350.7	10410.2	10469.8
62.5°	12404.7	12505.4	12232.4	11817.7	11453.2	11209.2	11267.3	11329.7
65°	12095.2	13127.6	13370.0	12950.7	12445.9	12066.3	12041.9	12073.9
67.5°	10109.9	12115.1	13577.4	13976.9	13554.4	13026.9	12929.3	12976.6
70°	6762.8	9260.5	11840.5	13761.9	14272.7	14068.4	13972.3	14001.3
72.5°	3248.0	5393.5	8033.0	10587.1	12142.5	12856.1	13084.9	13196.3
75°	1187.8	2140.9	3871.6	5834.1	7043.4	8153.5	8877.8	9173.6
77.5°	716.7	864.6	1236.7	1861.9	2108.9	2360.4	2262.9	2311.7
80°	530.7	599.3	678.6	762.4	789.8	789.8	759.4	735.0
82.5°	372.0	416.3	454.4	500.2	512.3	489.5	402.5	320.2
85°	239.4	259.3	276.0	305.0	297.3	283.6	190.6	169.3
87.5°	109.8	125.0	131.1	144.9	138.8	132.6	94.5	79.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)