

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: P189790

Luminaire Tested: **VERD-M-A03-E-U-T2-7030-AP**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189790
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26223)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-M-A03-E-U-T2-7030-AP
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE
(3) 70 CRI, 3000K LEDS AND TYPE II OPTICS, GREY PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21589 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Luminous Opening: Rectangular (W 1.35' x L: 1.58' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B3 - U0 - G3

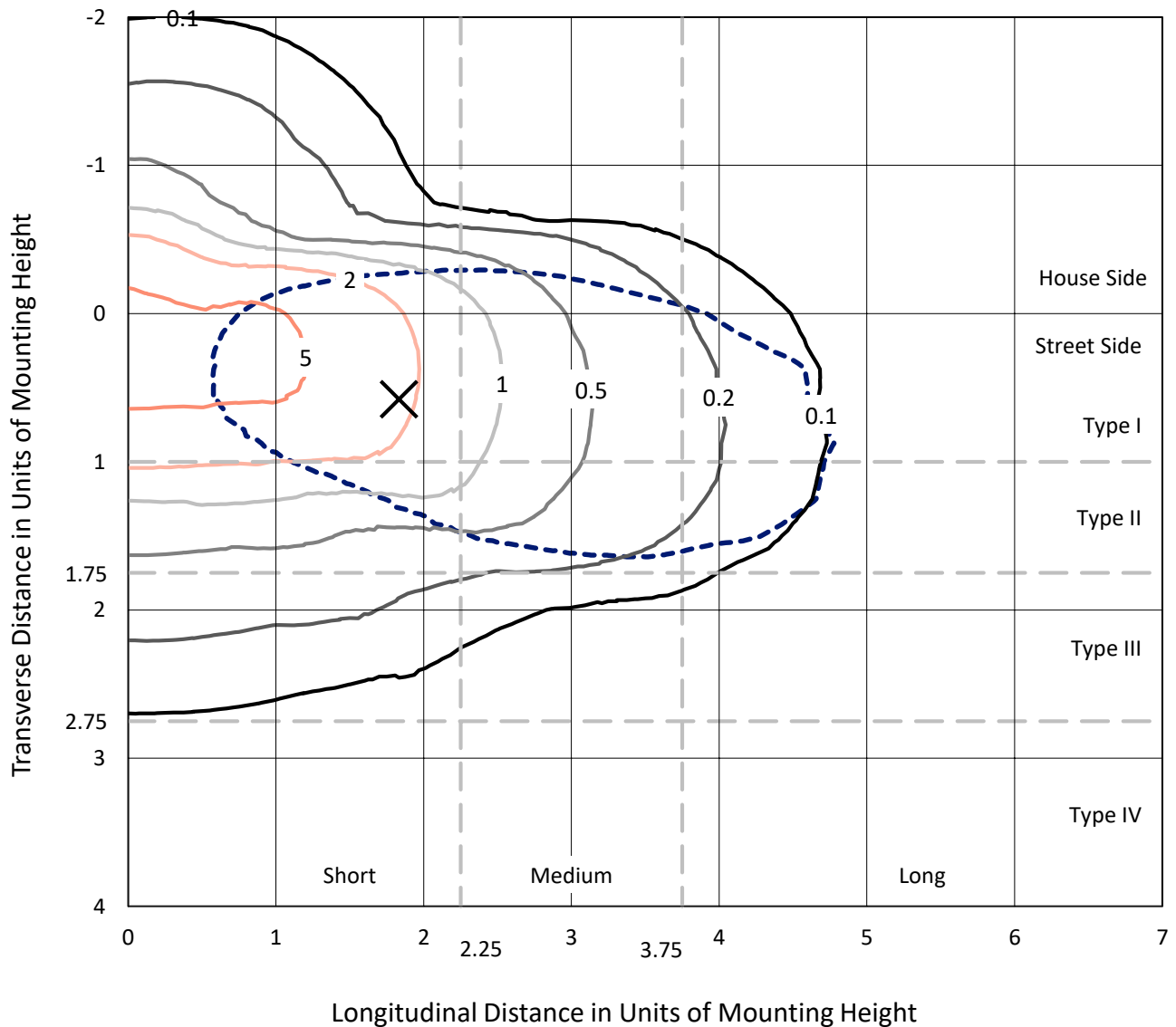
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

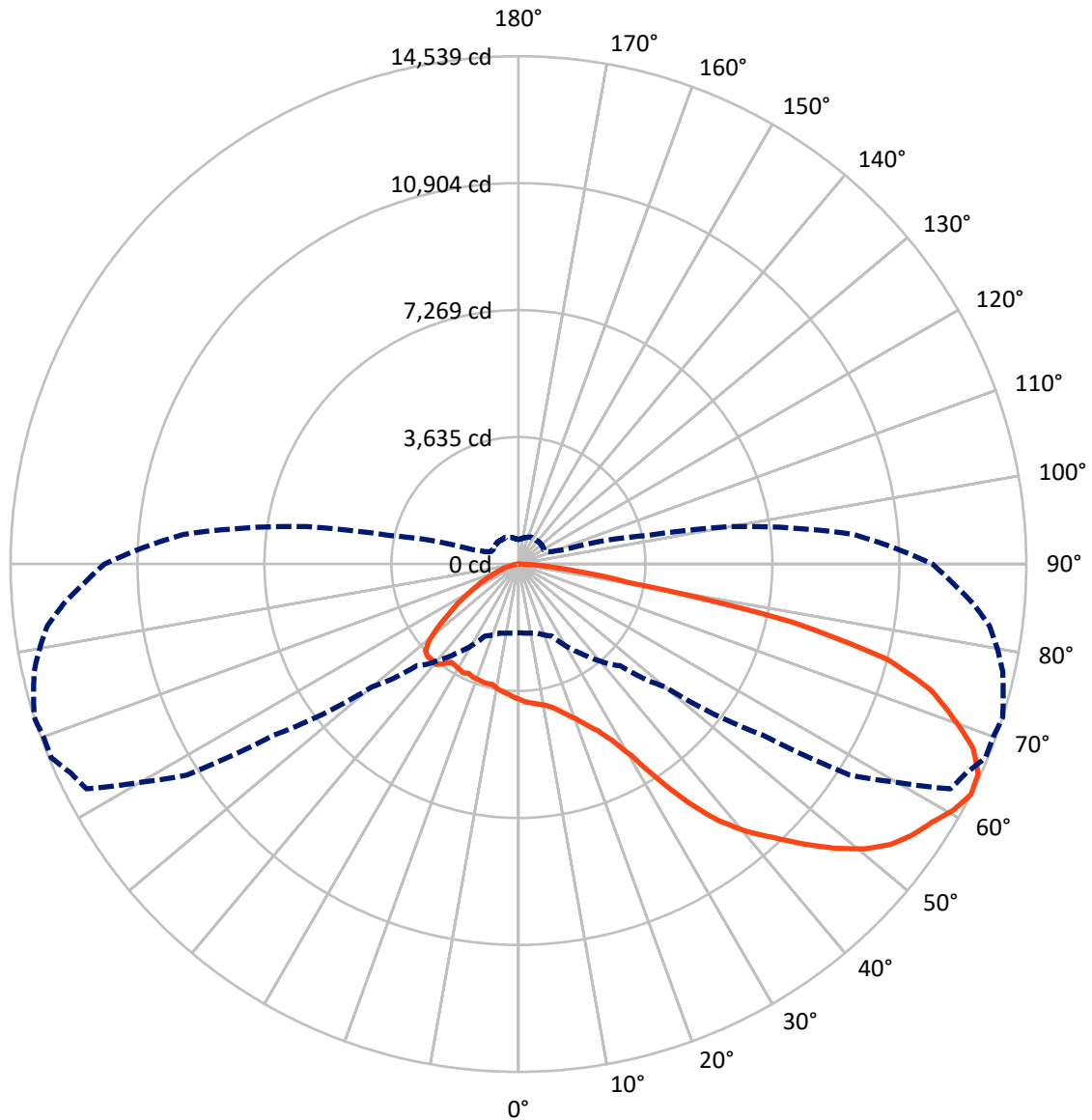
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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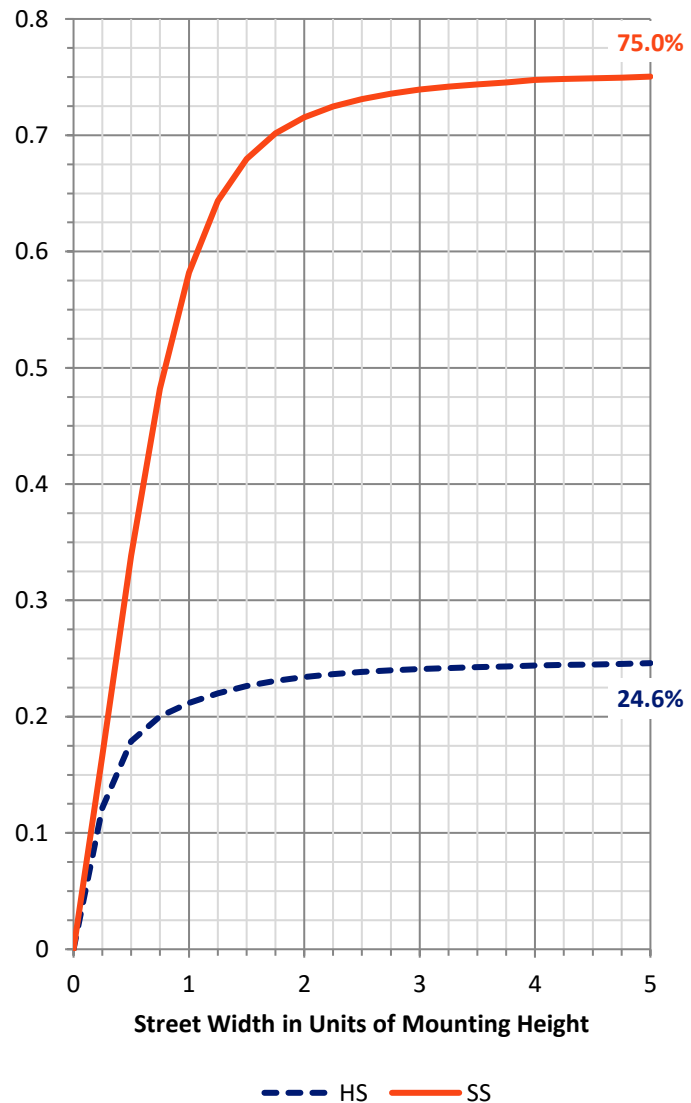
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5396.6	0.0	5396.6
	% Fixture	25.0	0.0	25.0
Street Side	Lumens	16192.4	0.0	16192.4
	% Fixture	75.0	0.0	75.0
Total	Lumens	21589.0	0.0	21589.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	372.0	1.7
10°-20°	1124.4	5.2
20°-30°	1890.8	8.8
30°-40°	2800.8	13.0
40°-50°	3783.5	17.5
50°-60°	4378.5	20.3
60°-70°	4282.3	19.8
70°-80°	2609.7	12.1
80°-90°	346.9	1.6
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°	21589.0	100.0
0°-180°	21589.0	100.0



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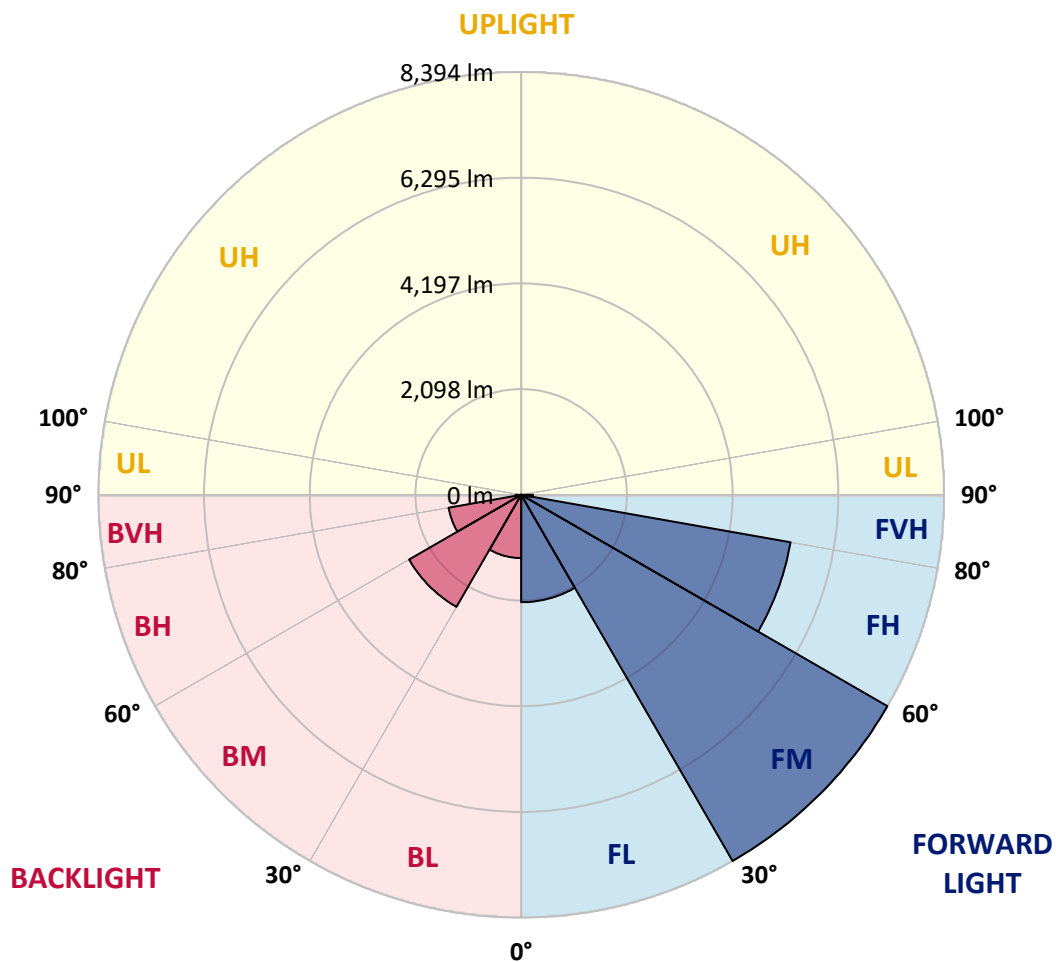
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2132.1	9.9			
FM	(30°-60°)	8393.6	38.9			
FH	(60°-80°)	5430.3	25.2			G3/7500
FVH	(80°-90°)	236.3	1.1			G3/500
BL	(0°-30°)	1255.1	5.8	B3/2500		
BM	(30°-60°)	2569.2	11.9	B3/5000		
BH	(60°-80°)	1461.7	6.8	B3/2500		G3/2500
BVH	(80°-90°)	110.6	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°	50°
0°	3873.7	3873.7	3873.7	3873.7	3873.7	3873.7	3873.7	3873.7	3873.7	3873.7	3873.7
2.5°	4142.6	4128.5	4076.4	4056.7	4042.6	4062.4	4027.2	4021.5	4010.3	4027.2	3982.1
5°	4325.7	4322.9	4273.6	4256.7	4225.7	4228.5	4217.2	4187.7	4165.1	4159.5	4139.8
7.5°	4520.0	4479.2	4439.7	4422.8	4359.5	4365.1	4320.0	4331.3	4293.3	4290.5	4245.4
10°	4719.9	4700.2	4634.0	4608.7	4528.4	4525.6	4491.8	4473.5	4462.3	4411.6	4387.6
12.5°	4914.3	4886.1	4811.5	4788.9	4703.0	4703.0	4686.1	4656.6	4620.0	4594.6	4542.5
15°	5063.5	5052.2	4972.0	4946.6	4886.1	4852.3	4846.7	4817.1	4797.4	4777.7	4745.3
17.5°	5252.2	5240.9	5163.5	5132.5	5094.5	5080.4	5041.0	5017.0	4988.9	4938.2	4946.6
20°	5355.0	5346.5	5283.2	5257.8	5246.6	5246.6	5212.8	5177.6	5177.6	5143.8	5149.4
22.5°	5355.0	5371.9	5332.5	5380.3	5412.7	5429.6	5429.6	5401.5	5374.7	5360.6	5349.4
25°	5418.4	5412.7	5415.5	5484.5	5590.1	5607.0	5623.9	5635.2	5604.2	5595.8	5584.5
27.5°	5343.7	5349.4	5398.6	5576.1	5795.7	5864.7	5870.3	5898.5	5850.6	5915.4	5864.7
30°	5366.3	5374.7	5457.8	5684.5	5998.5	6104.1	6161.8	6184.4	6139.3	6219.6	6161.8
32.5°	5291.6	5301.5	5409.9	5709.8	6130.8	6316.7	6408.2	6488.5	6419.5	6568.8	6494.1
35°	5035.3	5055.1	5215.6	5615.5	6192.8	6430.8	6568.8	6654.7	6639.2	6877.1	6827.9
37.5°	4719.9	4739.6	4994.5	5481.7	6216.7	6522.3	6711.0	6882.8	6896.9	7163.0	7229.2
40°	4491.8	4522.8	4777.7	5309.9	6170.3	6585.7	6854.6	7088.4	7146.1	7569.9	7658.6
42.5°	4182.0	4222.9	4420.0	5011.4	6022.4	6494.1	6819.4	7129.2	7292.5	7820.6	7964.2
45°	3924.4	3956.7	4162.3	4703.0	5839.4	6350.5	6763.1	7185.5	7398.1	8055.7	8258.5
47.5°	3599.1	3635.7	3851.1	4342.6	5478.9	6064.7	6550.5	7071.5	7303.8	8124.7	8444.3
50°	2769.7	2812.0	3463.9	4065.2	5063.5	5704.2	6287.1	6837.7	7137.6	8124.7	8488.0
52.5°	2495.1	2528.9	2717.6	3770.9	4608.7	5212.8	5823.9	6482.9	6822.2	7941.7	8385.2
55°	2340.3	2348.7	2468.4	3161.2	4207.4	4656.6	5207.1	5898.5	6308.3	7551.6	8098.0
57.5°	2237.5	2254.4	2334.6	2692.3	3859.6	4187.7	4594.6	5102.9	5546.5	6813.8	7465.7
60°	2099.5	2129.0	2220.6	2465.6	3458.3	3735.7	4073.6	4456.6	4708.7	5807.0	6439.2
62.5°	1968.5	1982.6	2043.1	2276.9	3130.2	3375.2	3621.6	3896.2	4115.9	4839.6	5474.7
65°	1813.6	1833.3	1913.6	2129.0	2906.3	3158.4	3335.8	3530.1	3693.4	4279.2	4683.3
67.5°	1619.3	1672.8	1741.8	1933.3	2574.0	2866.9	2958.4	3124.6	3258.3	3668.1	4034.2
70°	1464.4	1467.2	1567.2	1716.5	2160.0	2500.8	2592.3	2683.8	2800.7	3106.3	3413.2
72.5°	1195.5	1239.1	1325.0	1439.1	1777.0	2093.8	2157.2	2248.7	2343.1	2500.8	2726.1
75°	1006.8	1042.0	1101.1	1212.4	1444.7	1608.0	1791.1	1813.6	1868.5	1871.4	2046.0
77.5°	521.0	549.2	618.2	701.2	915.3	984.3	1184.2	1167.3	1203.9	1133.5	1281.4
80°	149.3	225.3	429.5	485.8	571.7	583.0	612.5	577.3	568.9	566.1	632.2
82.5°	91.5	119.7	268.9	308.4	343.6	268.9	211.2	177.4	177.4	166.2	174.6
85°	63.4	83.1	91.5	122.5	114.1	91.5	91.5	91.5	91.5	63.4	85.9
87.5°	33.8	28.2	31.0	33.8	33.8	5.6	11.3	28.2	19.7	0.0	8.4
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):

	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
0°	3873.7	3873.7	3873.7	3873.7	3873.7	3873.7	3873.7	3873.7	3873.7	3873.7	3873.7
2.5°	3976.5	3968.0	3953.9	3959.6	3918.7	3939.9	3935.6	3915.9	3953.9	3910.3	3907.5
5°	4113.0	4099.0	4045.5	4045.5	3993.4	4015.9	3976.5	3996.2	3993.4	3970.8	3918.7
7.5°	4251.0	4239.8	4170.8	4184.9	4113.0	4120.1	4056.7	4065.2	4051.1	4045.5	3982.1
10°	4342.6	4339.7	4303.1	4303.1	4234.1	4237.0	4165.1	4162.3	4107.4	4104.6	4079.3
12.5°	4508.7	4467.9	4434.1	4417.2	4370.7	4362.3	4290.5	4251.0	4198.9	4190.5	4182.0
15°	4703.0	4694.6	4656.6	4631.2	4583.4	4565.0	4486.2	4448.2	4353.8	4345.4	4325.7
17.5°	4891.7	4883.3	4839.6	4843.8	4783.3	4766.4	4697.4	4625.6	4536.9	4522.8	4497.5
20°	5115.6	5091.7	5080.4	5063.5	5011.4	4988.9	4891.7	4817.1	4736.8	4708.7	4605.9
22.5°	5338.1	5324.0	5332.5	5294.4	5286.0	5229.7	5183.2	5074.8	5000.1	4922.7	4822.7
25°	5618.3	5590.1	5590.1	5538.0	5538.0	5469.0	5429.6	5343.7	5291.6	5202.9	5132.5
27.5°	5909.8	5864.7	5909.8	5861.9	5876.0	5798.5	5807.0	5704.2	5721.1	5560.6	5515.5
30°	6264.6	6213.9	6275.9	6239.3	6339.2	6267.4	6385.7	6305.5	6356.1	6167.5	6150.6
32.5°	6654.7	6622.3	6791.2	6730.7	6968.7	6932.1	7174.2	7088.4	7334.8	7109.5	7157.3
35°	7048.9	7020.8	7374.2	7368.6	7764.2	7814.9	8261.3	8144.4	8399.3	8110.6	8078.2
37.5°	7534.7	7537.5	7958.6	8061.3	8668.2	8740.0	9206.1	9059.7	9320.2	9002.0	9040.0
40°	8067.0	8133.2	8651.3	8821.7	9577.9	9646.9	10155.2	9966.5	10069.3	9735.6	9725.7
42.5°	8502.1	8645.7	9286.4	9531.4	10379.1	10435.4	10807.1	10653.6	10698.7	10501.6	10355.1
45°	8987.9	9182.2	9972.1	10227.0	11105.6	11167.6	11568.9	11371.8	11425.3	11231.0	11070.4
47.5°	9337.1	9566.6	10567.8	10793.1	11797.0	11808.3	12232.1	11988.5	12151.9	11882.9	11763.2
50°	9594.8	9932.7	11128.2	11366.1	12443.3	12443.3	12867.2	12609.5	12822.1	12467.3	12461.6
52.5°	9708.8	10169.3	11552.0	11835.0	13091.1	13050.2	13457.2	13150.2	13336.1	12964.3	12895.3
55°	9589.1	10235.4	11877.3	12334.9	13593.8	13493.8	13828.9	13599.4	13690.9	13436.0	13233.3
57.5°	9148.4	10043.9	12066.0	12661.6	13971.1	13928.9	14109.1	13992.2	13954.2	13799.3	13560.0
60°	8261.3	9469.4	11963.2	12844.6	14092.2	14180.9	14411.9	14323.1	14303.4	14137.3	13914.8
62.5°	7071.5	8544.3	11242.2	12506.7	13937.3	14145.7	14475.2	14466.8	14538.6	14366.8	14200.6
65°	6036.5	7755.8	10733.9	12298.3	13560.0	13885.2	14320.3	14378.1	14464.0	14434.4	14292.2
67.5°	5041.0	6333.6	9744.0	11774.5	13354.4	13596.6	13817.6	13954.2	14034.5	13959.9	13817.6
70°	4113.0	4977.6	7917.7	10115.8	12009.6	12567.3	12889.7	13050.2	13205.1	13185.4	12884.1
72.5°	3072.5	3563.9	5138.1	7054.6	9628.6	10710.0	11253.5	11871.7	12358.9	12226.5	11998.4
75°	2185.4	2457.1	3147.1	4228.5	6081.6	8086.7	9760.9	10598.7	10917.0	11039.5	10556.5
77.5°	1287.0	1510.9	1841.8	2429.0	3576.6	4348.2	5349.4	7146.1	8033.2	8796.4	8468.3
80°	704.0	773.0	846.3	1075.8	1516.5	1779.8	2076.9	2603.6	3192.2	3935.6	4314.4
82.5°	194.3	268.9	291.5	418.2	668.8	881.5	1087.0	1436.3	1658.7	1919.2	2065.7
85°	80.3	102.8	69.0	133.8	268.9	437.9	491.4	712.5	784.3	932.2	926.5
87.5°	5.6	22.5	0.0	8.4	0.0	25.3	0.0	16.9	0.0	8.4	0.0
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):

	80°	82.5°	85°	87.5°	90°	95°	100°	102.5°	105°	107.5°	110°
0°	3873.7	3873.7	3873.7	3873.7	3873.7	3873.7	3873.7	3873.7	3873.7	3873.7	3873.7
2.5°	3862.4	3884.9	3868.0	3873.7	3882.1	3838.5	3815.9	3804.7	3804.7	3810.3	3796.2
5°	3890.6	3890.6	3879.3	3844.1	3865.2	3821.6	3785.0	3746.9	3738.5	3735.7	3738.5
7.5°	3970.8	3935.6	3915.9	3879.3	3870.9	3793.4	3746.9	3701.9	3701.9	3679.4	3685.0
10°	4010.3	3982.1	3959.6	3879.3	3862.4	3796.2	3721.6	3696.3	3661.0	3621.6	3607.5
12.5°	4073.6	4034.2	3993.4	3918.7	3879.3	3785.0	3713.1	3644.2	3590.6	3524.5	3535.7
15°	4220.1	4148.2	4137.0	4039.8	3982.1	3848.3	3724.4	3649.8	3616.0	3535.7	3513.2
17.5°	4394.7	4314.4	4256.7	4159.5	4090.5	3910.3	3752.6	3644.2	3607.5	3524.5	3483.6
20°	4542.5	4479.2	4379.2	4267.9	4179.2	3965.2	3773.7	3679.4	3601.9	3496.3	3427.3
22.5°	4731.2	4656.6	4528.4	4462.3	4320.0	4084.9	3810.3	3679.4	3632.9	3490.7	3386.5
25°	4974.8	4863.6	4739.6	4611.5	4470.7	4168.0	3865.2	3752.6	3604.7	3438.6	3386.5
27.5°	5329.6	5194.5	5005.8	4857.9	4672.1	4290.5	3970.8	3770.9	3630.1	3496.3	3324.5
30°	5915.4	5823.9	5543.7	5371.9	5066.3	4503.1	4065.2	3851.1	3663.9	3449.8	3289.3
32.5°	6874.3	6763.1	6456.1	6219.6	5859.1	5177.6	4320.0	3976.5	3676.5	3421.7	3224.5
35°	7836.1	7598.1	7268.6	7099.6	6650.4	5861.9	4905.8	4370.7	3910.3	3410.4	3120.3
37.5°	8668.2	8410.6	8133.2	7741.7	7415.0	6394.2	5457.8	4846.7	4262.3	3576.6	3111.9
40°	9314.6	9273.7	8810.5	8547.1	8183.8	7140.5	5867.5	5315.6	4548.1	3724.4	3197.8
42.5°	9960.9	9863.7	9431.4	9182.2	8576.7	7592.4	6385.7	5274.7	4663.6	3701.9	3144.3
45°	10736.7	10487.5	10218.5	9669.4	9317.4	8055.7	6467.4	5607.0	4722.8	3707.5	3109.1
47.5°	11371.8	11025.4	10721.2	10229.8	9906.0	8635.8	6751.8	5549.3	4722.8	3638.5	2875.3
50°	11957.5	11740.7	11264.8	10893.0	10357.9	8956.9	6929.2	5584.5	4686.1	3335.8	2583.9
52.5°	12453.2	12284.2	11737.9	11350.7	10753.6	9211.8	6926.4	5504.2	4425.6	2895.0	2145.9
55°	12922.1	12620.8	12218.0	11649.2	11200.0	9469.4	6905.3	5149.4	4015.9	2426.1	1785.5
57.5°	13319.2	12986.9	12584.1	11991.3	11563.3	9641.2	6840.5	4874.8	3532.9	2065.7	1489.8
60°	13648.7	13371.3	12878.4	12318.0	11752.0	9708.8	6542.0	4284.8	3086.5	1670.0	1272.9
62.5°	13917.6	13605.0	13067.1	12443.3	11849.1	9646.9	6159.0	3776.5	2634.5	1361.6	1044.8
65°	14020.4	13690.9	13177.0	12484.2	11749.1	9356.8	5590.1	3197.8	2162.8	1115.2	901.2
67.5°	13610.6	13147.4	12730.6	11980.1	11222.5	8679.5	5041.0	2626.1	1658.7	823.7	754.7
70°	12678.5	12204.0	11811.1	11014.1	10207.3	7723.4	4414.4	1916.4	1192.7	663.2	649.1
72.5°	11802.7	11070.4	10629.7	9537.0	8896.3	6627.9	3480.8	1361.6	798.4	504.1	471.7
75°	10467.8	9708.8	9386.4	8358.5	7698.1	5291.6	2534.6	956.1	590.0	412.6	405.5
77.5°	8596.4	7592.4	7653.0	6647.6	6001.3	3807.5	1693.9	571.7	385.8	240.8	240.8
80°	4805.8	4262.3	4589.0	3976.5	3896.2	2390.9	970.2	326.7	229.5	119.7	97.2
82.5°	2245.9	2048.8	2231.8	1996.7	1933.3	1153.2	397.1	131.0	114.1	63.4	60.5
85°	1050.4	857.5	909.6	760.4	775.9	349.2	100.0	11.3	52.1	39.4	39.4
87.5°	16.9	0.0	11.3	0.0	14.1	16.9	14.1	0.0	11.3	11.3	8.4
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):

	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	135°	145°	155°
0°	3873.7	3873.7	3873.7	3873.7	3873.7	3873.7	3873.7	3873.7	3873.7	3873.7	3873.7
2.5°	3793.4	3790.6	3765.2	3762.4	3746.9	3746.9	3759.6	3727.2	3718.8	3732.9	3746.9
5°	3746.9	3730.0	3690.6	3693.4	3673.7	3673.7	3661.0	3630.1	3599.1	3613.2	3585.0
7.5°	3673.7	3638.5	3587.8	3582.2	3547.0	3547.0	3518.8	3499.1	3472.4	3444.2	3438.6
10°	3569.5	3552.6	3513.2	3490.7	3466.7	3444.2	3421.7	3389.3	3324.5	3310.4	3266.8
12.5°	3496.3	3487.9	3427.3	3383.7	3335.8	3297.8	3255.5	3224.5	3172.4	3111.9	3064.0
15°	3478.0	3444.2	3369.6	3347.0	3278.0	3244.3	3197.8	3141.5	3047.1	2989.4	2914.8
17.5°	3386.5	3372.4	3300.6	3280.9	3186.5	3144.3	3072.5	3023.2	2937.3	2848.6	2783.8
20°	3341.4	3283.7	3192.2	3164.0	3066.8	3020.4	2969.7	2889.4	2800.7	2686.6	2586.7
22.5°	3300.6	3216.1	3095.0	3066.8	2964.0	2920.4	2814.8	2764.1	2662.7	2503.6	2412.1
25°	3227.4	3124.6	2980.9	2928.8	2803.5	2751.4	2620.5	2559.9	2431.8	2288.2	2160.0
27.5°	3164.0	3075.3	2883.8	2795.1	2672.6	2583.9	2471.2	2379.7	2210.7	2024.8	1902.3
30°	3100.6	2937.3	2764.1	2651.4	2459.9	2374.0	2207.9	2134.7	1960.1	1761.5	1679.9
32.5°	2969.7	2817.6	2574.0	2451.5	2243.1	2148.8	1996.7	1853.1	1664.4	1544.7	1461.6
35°	2848.6	2672.6	2396.6	2240.3	1996.7	1902.3	1699.6	1602.4	1410.9	1322.2	1236.3
37.5°	2723.3	2509.2	2185.4	2027.7	1716.5	1641.8	1475.7	1401.1	1264.5	1123.7	1084.2
40°	2620.5	2343.1	2013.6	1796.7	1539.0	1413.7	1322.2	1272.9	1156.0	967.4	958.9
42.5°	2459.9	2110.7	1705.2	1516.5	1270.1	1198.3	1109.6	1075.8	956.1	812.5	875.8
45°	2293.8	1879.8	1458.8	1281.4	1133.5	1056.1	961.7	929.3	840.6	840.6	923.7
47.5°	1974.1	1564.4	1161.7	1056.1	943.4	912.4	870.2	809.7	775.9	818.1	875.8
50°	1585.5	1244.8	989.9	937.8	887.1	873.0	870.2	857.5	820.9	843.4	870.2
52.5°	1270.1	1047.6	984.3	943.4	932.2	909.6	920.9	884.3	861.8	857.5	884.3
55°	1087.0	970.2	956.1	961.7	943.4	935.0	926.5	901.2	895.5	884.3	881.5
57.5°	967.4	975.8	915.3	940.6	932.2	940.6	932.2	923.7	873.0	961.7	898.4
60°	949.1	918.1	875.8	889.9	892.7	901.2	898.4	887.1	857.5	884.3	878.7
62.5°	909.6	861.8	840.6	835.0	851.9	843.4	870.2	849.1	867.4	843.4	846.3
65°	840.6	820.9	812.5	812.5	835.0	826.6	840.6	835.0	837.8	823.7	789.9
67.5°	732.2	726.6	732.2	735.0	760.4	768.8	801.2	778.7	773.0	773.0	720.9
70°	629.4	637.9	635.1	643.5	674.5	723.8	737.8	737.8	749.1	754.7	692.8
72.5°	474.5	474.5	480.2	488.6	521.0	557.6	635.1	629.4	660.4	668.8	632.2
75°	377.4	366.1	383.0	394.3	412.6	412.6	485.8	506.9	577.3	554.8	523.8
77.5°	211.2	225.3	216.8	216.8	222.5	246.4	302.7	285.8	360.5	477.3	471.7
80°	97.2	105.6	108.4	105.6	97.2	154.9	188.7	183.1	243.6	377.4	446.4
82.5°	69.0	54.9	46.5	57.7	46.5	71.8	102.8	85.9	88.7	243.6	477.3
85°	46.5	42.2	39.4	49.3	28.2	60.5	63.4	71.8	60.5	105.6	409.8
87.5°	0.0	19.7	0.0	8.4	0.0	8.4	5.6	16.9	0.0	28.2	191.5
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):

	165°	175°	180°
0°	3873.7	3873.7	3873.7
2.5°	3755.4	3755.4	3765.2
5°	3585.0	3582.2	3582.2
7.5°	3441.4	3438.6	3432.9
10°	3244.3	3230.2	3244.3
12.5°	3044.3	3075.3	3061.2
15°	2909.1	2926.0	2906.3
17.5°	2728.9	2728.9	2740.2
20°	2517.7	2482.5	2488.1
22.5°	2360.0	2314.9	2345.9
25°	2151.6	2113.6	2093.8
27.5°	1879.8	1850.2	1819.3
30°	1610.9	1591.1	1572.8
32.5°	1384.2	1347.5	1350.4
35°	1170.1	1136.3	1109.6
37.5°	1004.0	992.7	1023.7
40°	926.5	937.8	949.1
42.5°	881.5	901.2	870.2
45°	923.7	946.2	932.2
47.5°	918.1	964.5	956.1
50°	935.0	967.4	949.1
52.5°	912.4	920.9	904.0
55°	875.8	851.9	840.6
57.5°	861.8	809.7	766.0
60°	792.8	751.9	709.7
62.5°	787.1	720.9	698.4
65°	718.1	681.5	668.8
67.5°	623.8	601.3	595.6
70°	606.9	568.9	554.8
72.5°	494.2	426.7	412.6
75°	437.9	388.6	360.5
77.5°	449.2	504.1	474.5
80°	549.2	360.5	349.2
82.5°	409.8	225.3	229.5
85°	238.0	171.8	177.4
87.5°	125.3	80.3	91.5
90°	0.0	0.0	0.0

(END OF REPORT)