

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: P507777

Luminaire Tested: **UFLD-CA2-150-722-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507777
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-110-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UFLD-CA2-150-722-U-66
Description: UTILITY FLOOD, 6x6 OPTIC
Light Source: (2) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

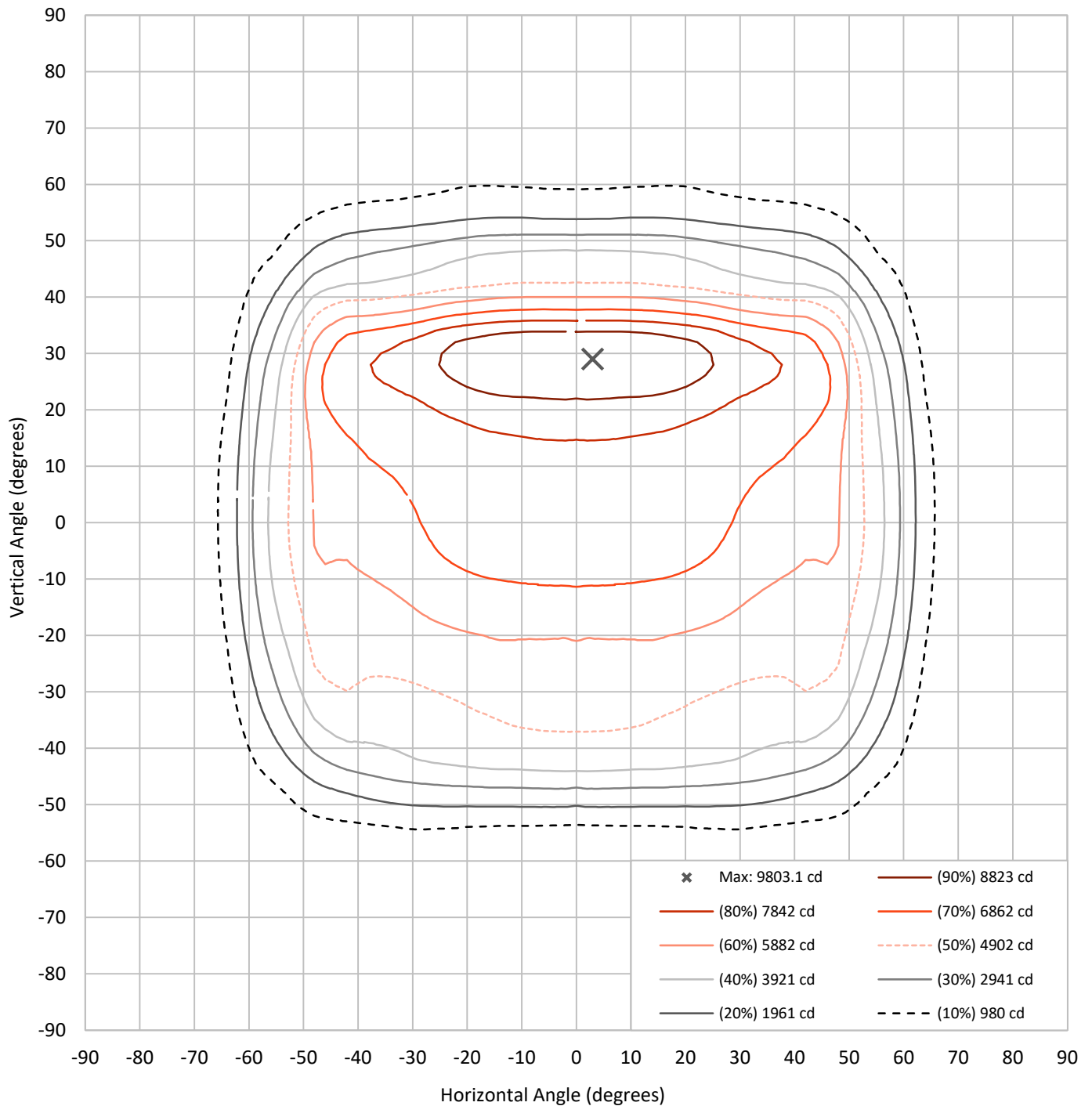
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	18369 lumens	Max Intensity:	9803.1 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	121.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.25' x L: 0.67' x H: 0')		
Beam Angle (50%):	102.9°H x 79.4°V	Field Angle (10%):	126.5°H x 112.9°V
Beam Lumens:	13648.2 lumens	Field Lumens:	17751.5 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%
Input Watts (W):	151.3		
Input Voltage (V):	120		
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-Candela Plot

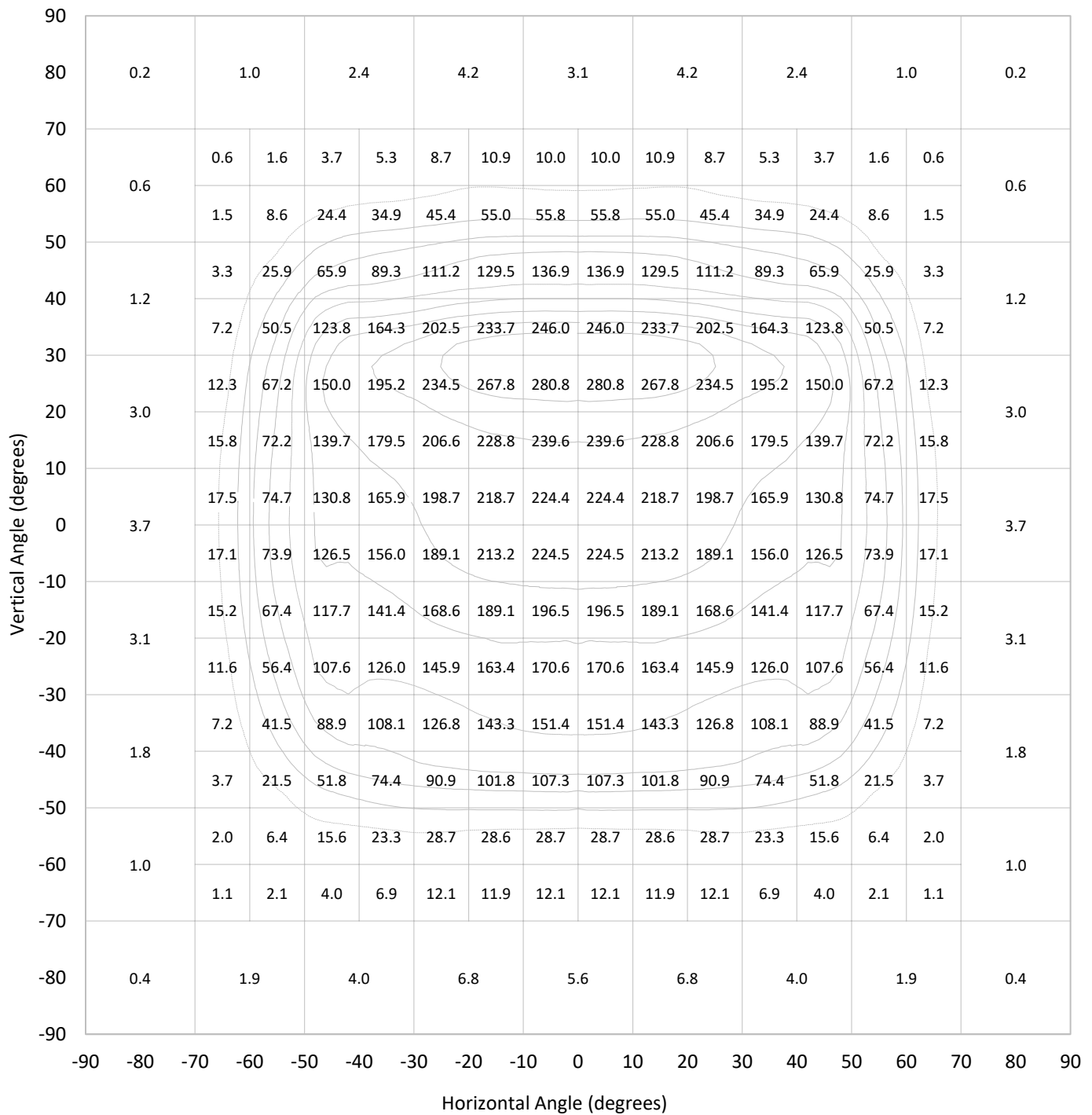




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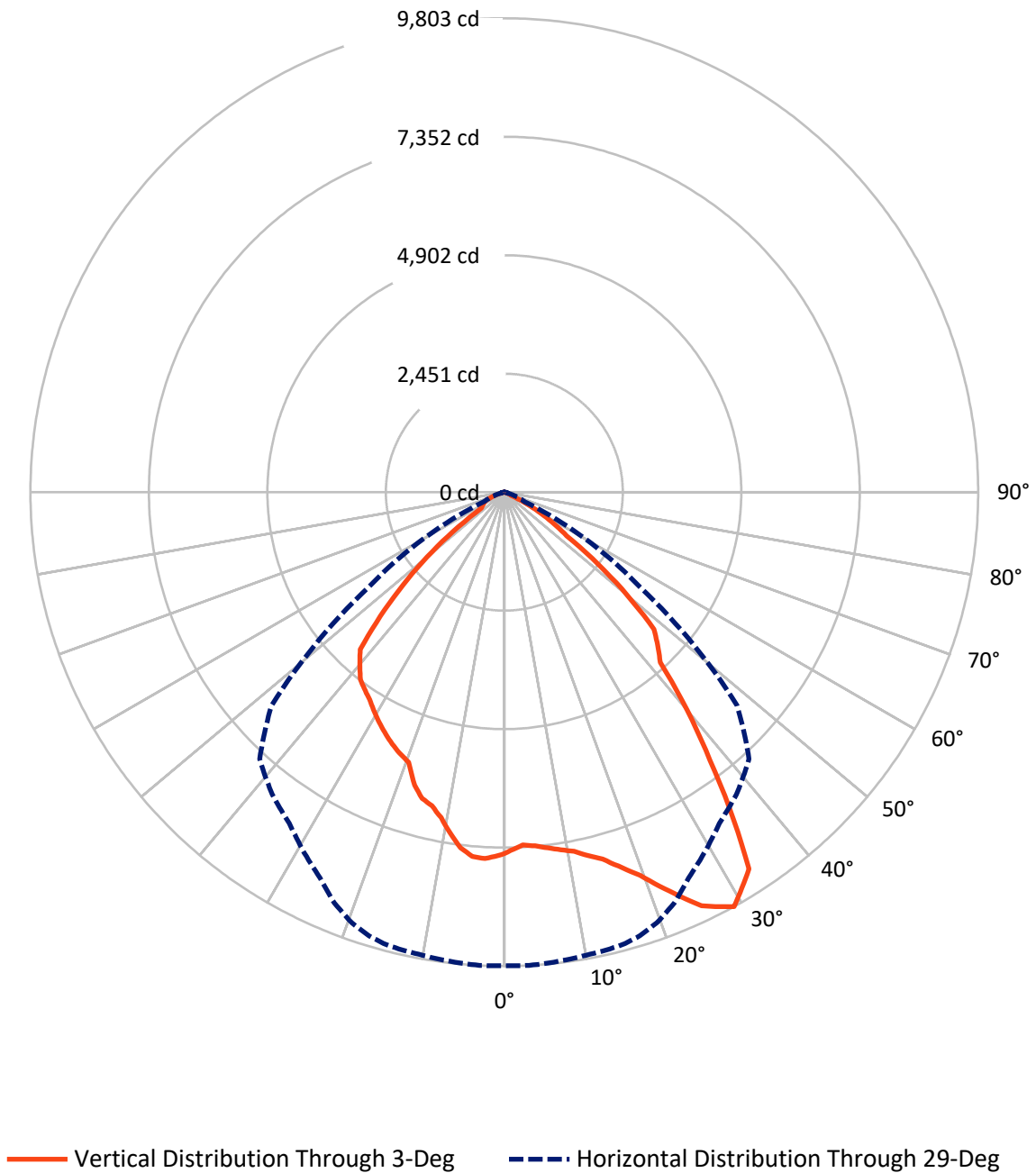
Lumen Table



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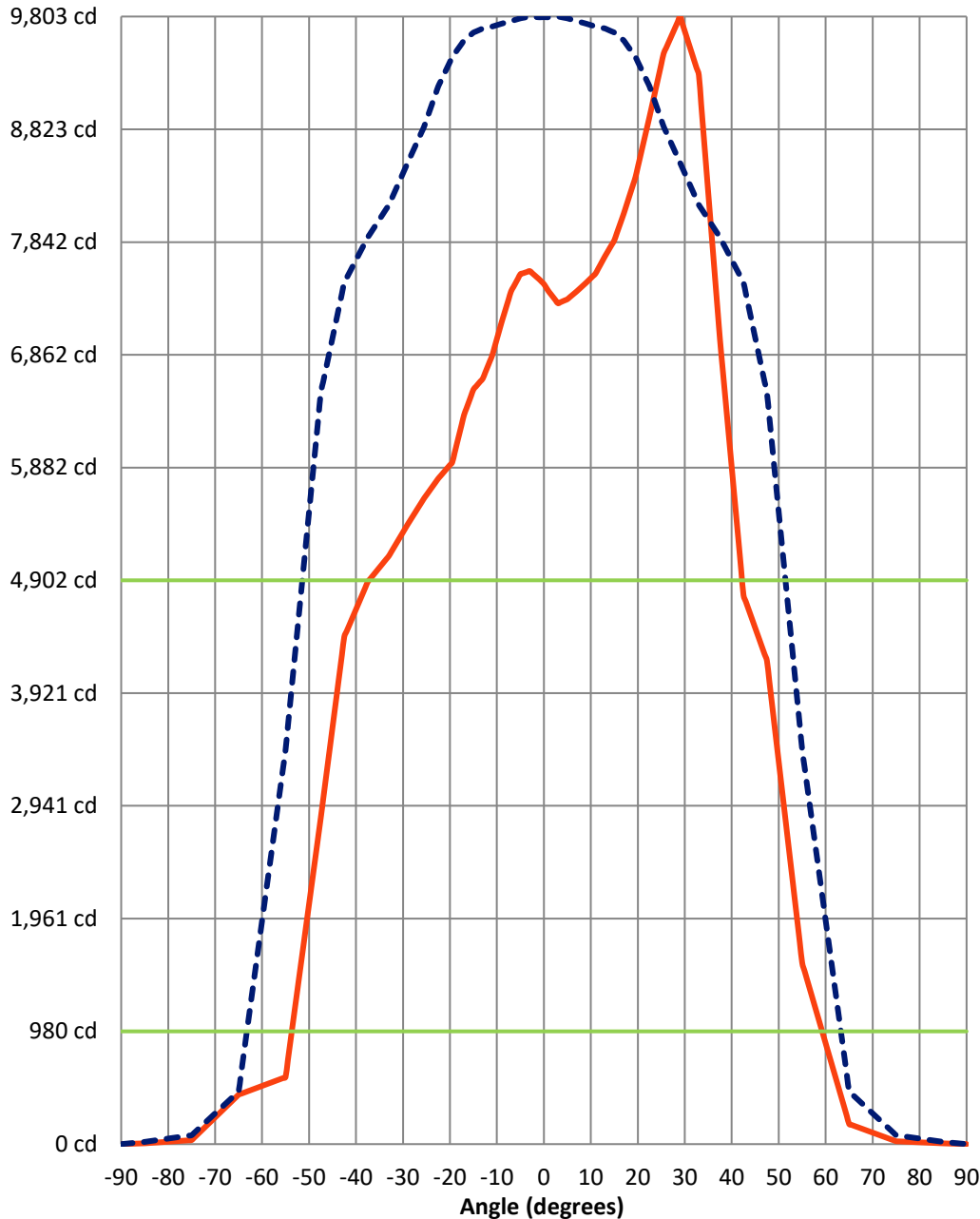
Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 102.9°
 V Angle: 79.4°
 Lumens: 13648.2
 Efficiency: 74.3%

Field:
 H Angle: 126.5°
 V Angle: 112.9°
 Lumens: 17751.5
 Efficiency: 96.6%

Spill:
 Lumens: 617.5
 Efficiency: 3.4%

— Vertical Distribution through 3-Deg
 - - - Horizontal Distribution through 29-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	0°	1°	3°	5°	7°	9°	11°	13°	15°	17°	19.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.4	3.1	6.6	15.5	20.2	23.7	26.0	27.2	27.6	27.6	26.4
75°	22.9	23.3	24.8	22.5	17.9	19.4	28.3	32.2	35.7	36.9	34.9
65°	177.0	175.8	174.6	173.5	168.4	161.0	158.3	173.9	213.4	254.6	274.8
55°	1544.5	1539.1	1575.6	1550.0	1600.4	1648.9	1666.4	1671.4	1677.2	1647.7	1607.8
47.5°	4187.3	4223.8	4200.9	4197.8	4171.4	4130.2	4105.4	4065.0	4029.7	4022.4	3901.7
42.5°	4804.7	4788.4	4773.3	4807.0	4787.6	4803.9	4802.0	4760.9	4732.1	4673.1	4614.2
37.5°	6963.5	6975.6	6990.7	6993.8	7003.1	6963.9	6936.8	6908.0	6852.9	6759.0	6624.4
33°	9297.4	9318.7	9293.1	9291.6	9312.1	9302.8	9262.9	9225.6	9143.7	9033.5	8908.6
29°	9797.6	9796.5	9803.1	9787.5	9763.9	9741.0	9716.1	9699.4	9663.7	9595.1	9451.9
25.5°	9464.7	9470.1	9481.3	9472.4	9442.5	9425.9	9404.5	9375.4	9313.3	9239.6	9117.7
22.5°	8907.0	8949.7	8933.0	8921.7	8896.1	8855.4	8863.5	8836.0	8787.9	8712.6	8584.5
19.5°	8389.3	8410.7	8406.4	8375.3	8359.4	8326.1	8310.5	8290.4	8249.6	8203.0	8115.7
17°	8057.9	8097.5	8088.9	8069.9	8045.1	8023.0	7995.0	7978.0	7944.6	7893.4	7787.4
15°	7861.2	7879.0	7858.0	7854.2	7857.7	7813.8	7796.0	7752.5	7742.0	7698.9	7605.4
13°	7695.1	7704.0	7718.0	7695.8	7692.0	7676.4	7639.2	7620.9	7584.5	7567.0	7499.5
11°	7564.7	7625.6	7568.2	7584.1	7566.2	7563.9	7542.9	7532.8	7505.7	7478.9	7437.4
9°	7496.8	7507.2	7489.0	7488.2	7480.1	7465.3	7460.3	7459.5	7454.1	7439.3	7413.7
7°	7413.7	7422.6	7414.1	7405.6	7399.3	7393.1	7410.6	7416.4	7441.6	7420.7	7396.2
5°	7357.0	7348.5	7345.4	7343.9	7359.4	7359.4	7393.5	7412.9	7436.6	7443.2	7411.4
3°	7308.5	7319.0	7309.7	7321.0	7351.6	7367.9	7413.7	7442.0	7457.6	7457.9	7445.1
1°	7383.8	7409.4	7414.5	7422.2	7433.5	7443.6	7477.7	7503.0	7486.3	7487.1	7435.0
0°	7454.5	7464.5	7477.7	7468.8	7483.6	7492.5	7516.9	7522.0	7515.4	7485.9	7416.0
-1°	7528.6	7526.2	7518.9	7517.3	7520.8	7510.3	7523.9	7507.2	7487.4	7461.0	7395.5
-3°	7581.7	7601.1	7590.7	7578.6	7540.6	7540.6	7525.5	7463.4	7436.6	7409.0	7316.7
-5°	7537.1	7561.9	7563.5	7525.1	7466.1	7450.6	7402.5	7365.2	7318.6	7273.6	7180.5
-7°	7437.8	7424.6	7412.9	7363.3	7324.4	7288.0	7223.9	7159.1	7147.1	7104.4	7022.5
-9°	7163.8	7173.1	7145.5	7132.4	7089.7	7042.3	7023.7	6977.5	6953.1	6915.0	6839.7
-11°	6891.7	6854.5	6857.2	6866.5	6836.3	6836.6	6816.5	6788.5	6785.0	6748.9	6685.3
-13°	6677.1	6674.4	6656.2	6671.7	6665.9	6666.7	6647.7	6644.2	6637.6	6612.7	6527.0
-15°	6535.5	6558.4	6560.7	6547.5	6550.6	6543.3	6536.3	6519.6	6514.5	6475.3	6385.7
-17°	6329.4	6337.2	6339.1	6338.0	6328.3	6336.0	6344.6	6338.0	6313.5	6283.6	6211.5
-19.5°	5948.3	5917.3	5928.2	5939.0	5942.1	5941.8	5954.2	5975.1	5955.7	5916.5	5856.8
-22.5°	5812.5	5805.9	5785.7	5792.3	5789.2	5779.5	5779.5	5781.1	5769.8	5728.7	5647.2
-25.5°	5608.8	5618.1	5615.0	5610.7	5610.0	5592.5	5593.3	5596.0	5573.9	5528.5	5455.1
-29°	5384.1	5390.3	5388.0	5377.5	5363.1	5331.7	5318.5	5289.0	5249.8	5224.6	5165.2
-33°	5128.4	5112.8	5113.6	5112.1	5093.0	5074.8	5052.7	5015.8	4975.5	4944.0	4881.2
-37.5°	4887.4	4896.3	4888.1	4890.9	4880.0	4861.8	4842.0	4814.0	4774.4	4729.0	4666.6
-42.5°	4427.1	4420.5	4410.4	4388.3	4379.4	4337.1	4311.1	4311.9	4302.9	4268.4	4209.0
-47.5°	2748.3	2821.3	2838.0	2823.6	2809.6	2803.8	2774.3	2772.0	2774.3	2755.7	2709.9
-55°	567.7	565.8	582.1	593.7	617.8	627.1	631.8	614.7	633.7	672.9	691.9
-65°	437.4	435.8	429.6	429.2	423.4	421.1	420.7	416.8	419.5	431.1	444.3
-75°	34.2	34.2	34.5	30.7	28.3	31.8	41.5	44.6	49.3	47.3	52.8
-85°	1.2	3.5	7.0	16.3	21.0	24.1	26.4	27.6	27.6	27.2	26.8
-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):

	22.5°	25.5°	29°	33°	37.5°	42.5°	47.5°	55°	65°	75°	85°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	24.4	22.9	21.7	20.2	17.5	14.7	12.8	10.9	12.4	10.9	13.2
75°	31.4	31.8	40.0	50.1	45.0	30.3	21.0	17.5	22.9	13.2	14.4
65°	239.4	154.5	95.9	72.2	58.6	49.7	60.9	46.2	42.7	21.3	15.1
55°	1508.8	1408.3	1334.6	1240.7	1210.0	1123.5	908.9	369.8	67.9	34.5	16.3
47.5°	3770.9	3602.1	3411.5	3198.1	3014.1	2759.6	2260.9	989.2	81.5	44.6	17.5
42.5°	4511.3	4319.2	4204.0	4048.4	3876.1	3819.0	3439.1	1703.6	83.8	50.8	17.9
37.5°	6509.1	6294.1	5998.0	5769.4	5588.6	5562.6	4850.5	2404.9	133.5	58.6	18.6
33°	8668.7	8353.6	7945.4	7592.6	7285.3	7009.3	5943.3	2969.5	310.8	67.5	19.0
29°	9194.9	8846.5	8531.7	8165.4	7882.9	7490.9	6529.3	3428.2	457.1	77.2	19.4
25.5°	8868.6	8607.4	8301.2	8013.3	7801.8	7528.2	6782.3	3684.7	575.5	86.2	19.8
22.5°	8387.0	8157.6	7903.1	7719.9	7605.0	7393.5	6762.9	3826.8	669.8	93.9	20.2
19.5°	7964.0	7804.1	7598.4	7485.1	7435.4	7181.3	6567.7	3969.2	754.8	102.1	20.6
17°	7671.4	7533.6	7397.8	7344.2	7294.6	6966.3	6390.0	4068.9	824.3	106.3	21.0
15°	7500.2	7400.5	7303.1	7264.7	7171.2	6777.3	6271.6	4135.3	872.8	109.8	21.3
13°	7418.4	7352.8	7265.8	7192.9	7033.4	6606.5	6184.3	4213.3	912.4	112.9	21.3
11°	7373.3	7312.4	7196.0	7088.1	6863.8	6455.6	6132.7	4280.4	945.0	114.5	21.7
9°	7347.7	7274.4	7132.4	6942.2	6725.3	6324.4	6102.0	4328.9	972.1	115.3	22.1
7°	7355.9	7235.6	7050.5	6832.0	6599.1	6243.7	6075.2	4364.2	990.7	114.9	22.5
5°	7353.2	7196.4	6983.3	6759.4	6501.7	6168.4	6054.7	4392.2	999.3	113.7	22.9
3°	7338.8	7177.0	6923.2	6653.5	6414.8	6108.2	6045.4	4410.0	1007.0	112.5	22.9
1°	7315.9	7130.0	6846.0	6593.7	6353.9	6051.6	6035.3	4417.4	1005.1	111.4	22.9
0°	7293.0	7107.5	6820.7	6562.7	6325.9	6020.9	6020.5	4436.0	1001.6	110.6	22.9
-1°	7255.8	7059.0	6776.5	6516.5	6289.5	6026.4	6021.3	4419.4	997.7	109.4	23.3
-3°	7153.7	6969.8	6703.5	6447.4	6222.7	5986.8	6008.1	4403.1	990.7	108.3	23.7
-5°	7038.1	6859.9	6621.3	6367.1	6145.5	5927.4	5977.8	4357.3	974.4	107.5	23.7
-7°	6891.0	6757.1	6502.1	6255.3	6045.4	5842.8	5920.8	4313.0	956.6	106.7	24.1
-9°	6740.4	6600.3	6373.3	6127.6	5934.8	5772.6	5842.8	4244.3	932.9	105.9	24.1
-11°	6586.7	6442.4	6215.7	5987.5	5803.6	5662.3	5760.5	4167.5	906.5	105.9	24.4
-13°	6402.8	6270.8	6065.2	5859.9	5683.3	5578.9	5672.0	4070.5	874.3	106.3	24.4
-15°	6261.1	6120.3	5923.1	5731.0	5570.8	5493.1	5568.8	3946.7	843.7	107.1	24.8
-17°	6092.3	5970.5	5790.4	5611.1	5466.4	5410.5	5465.6	3821.3	804.1	107.5	24.8
-19.5°	5762.9	5651.9	5537.8	5419.8	5324.7	5306.9	5333.6	3656.8	750.5	108.3	24.8
-22.5°	5541.3	5428.7	5304.5	5213.0	5147.8	5209.1	5175.3	3428.6	674.5	109.4	24.8
-25.5°	5359.6	5256.0	5131.8	5043.8	5006.5	5140.8	5029.8	3181.8	589.5	109.4	24.8
-29°	5079.5	4989.0	4877.7	4794.2	4774.0	4983.2	4747.7	2896.6	489.4	107.9	24.8
-33°	4772.5	4670.8	4558.3	4469.4	4431.8	4713.5	4282.4	2554.7	364.4	103.6	24.8
-37.5°	4576.9	4463.2	4337.5	4197.8	4112.8	4151.2	3660.3	2064.1	211.9	96.2	24.4
-42.5°	4103.8	4034.0	3879.2	3728.2	3505.4	3238.8	2729.3	1480.5	161.8	87.3	24.4
-47.5°	2713.4	2662.2	2612.5	2517.4	2305.1	2028.1	1704.4	820.0	154.1	76.4	24.1
-55°	749.8	760.2	805.2	750.1	655.8	574.7	557.7	250.3	141.6	58.6	22.9
-65°	470.7	477.3	389.2	275.5	186.3	142.4	144.4	95.9	94.3	34.2	21.3
-75°	57.4	57.8	48.5	46.2	46.6	53.2	55.5	46.2	37.3	19.4	19.8
-85°	26.0	25.6	24.8	24.1	23.7	22.5	21.0	19.0	17.5	17.9	17.9
-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):

	90°
90°	0.0
85°	0.0
75°	0.0
65°	0.0
55°	0.0
47.5°	0.0
42.5°	0.0
37.5°	0.0
33°	0.0
29°	0.0
25.5°	0.0
22.5°	0.0
19.5°	0.0
17°	0.0
15°	0.0
13°	0.0
11°	0.0
9°	0.0
7°	0.0
5°	0.0
3°	0.0
1°	0.0
0°	0.0
-1°	0.0
-3°	0.0
-5°	0.0
-7°	0.0
-9°	0.0
-11°	0.0
-13°	0.0
-15°	0.0
-17°	0.0
-19.5°	0.0
-22.5°	0.0
-25.5°	0.0
-29°	0.0
-33°	0.0
-37.5°	0.0
-42.5°	0.0
-47.5°	0.0
-55°	0.0
-65°	0.0
-75°	0.0
-85°	0.0
-90°	0.0

(END OF REPORT)