

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: P507772

Luminaire Tested: **UFLD-CA2-130-727-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507772
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-CA2-130-727-U-66
Description: UTILITY FLOOD, 6x6 OPTIC
Light Source: (2) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

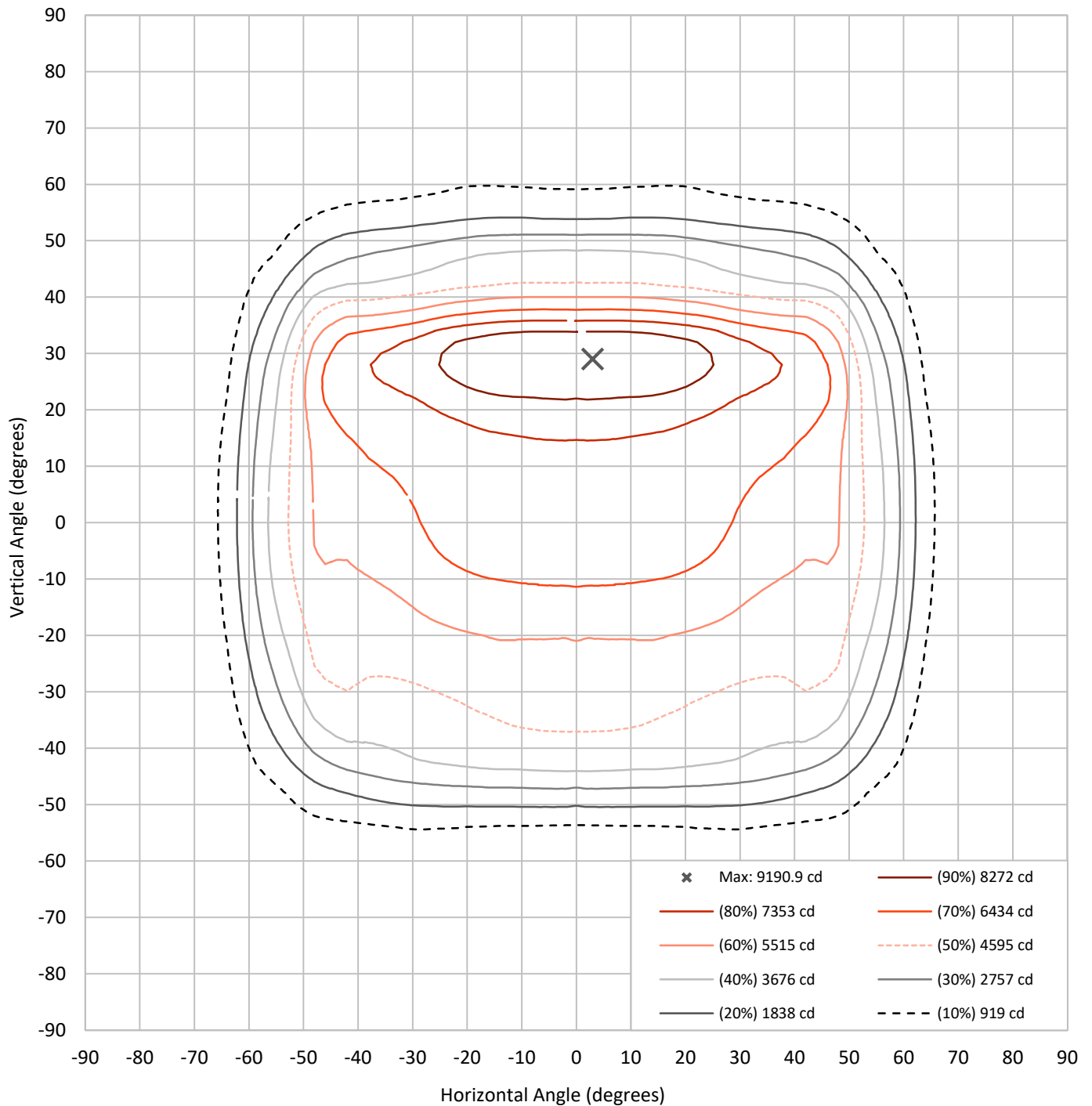
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	17222 lumens	Max Intensity:	9190.9 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	129.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.25' x L: 0.67' x H: 0')		
Beam Angle (50%):	102.9°H x 79.4°V	Field Angle (10%):	126.5°H x 112.9°V
Beam Lumens:	12795.9 lumens	Field Lumens:	16643.1 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%
Input Watts (W):	132.7		
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

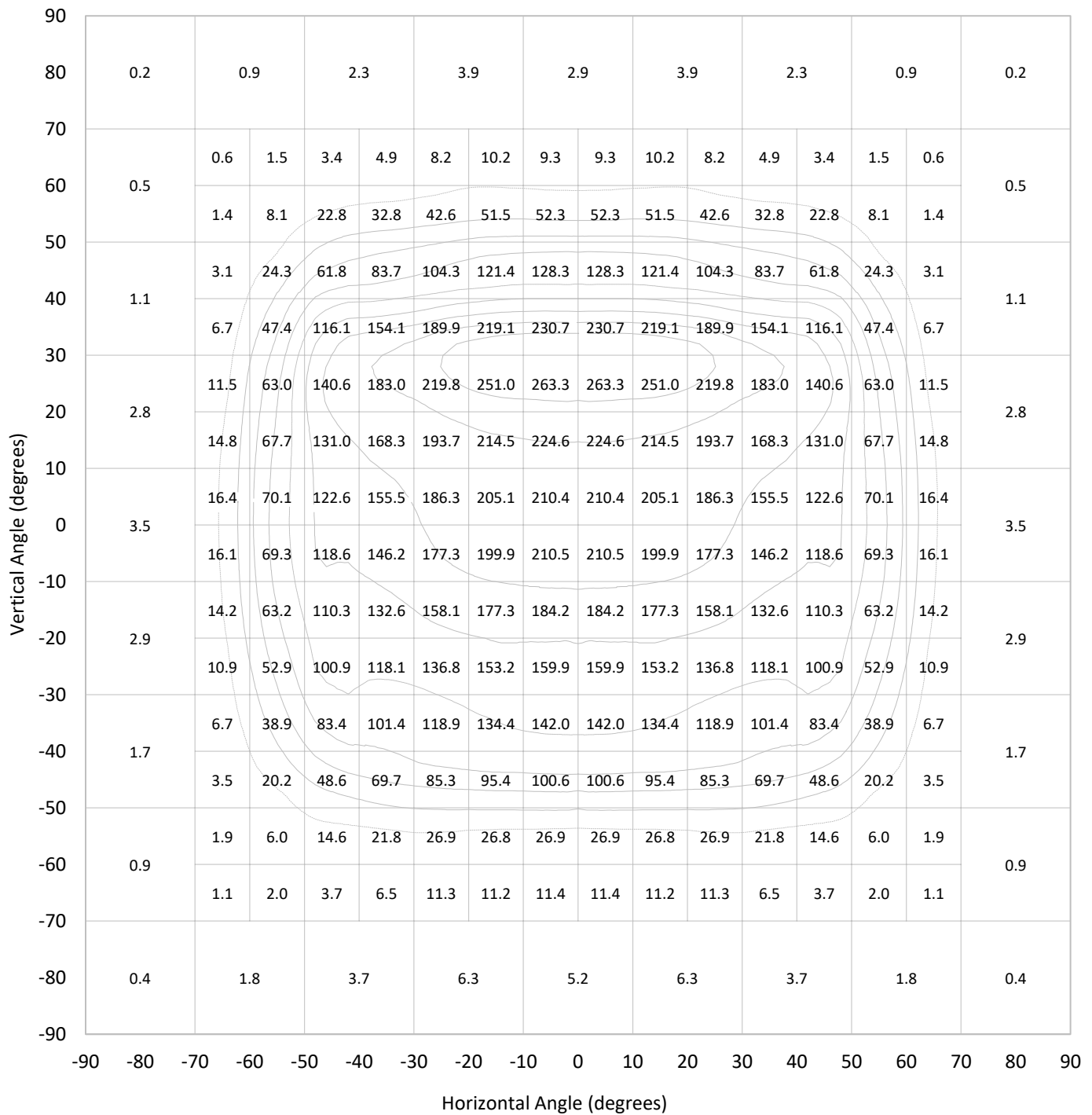




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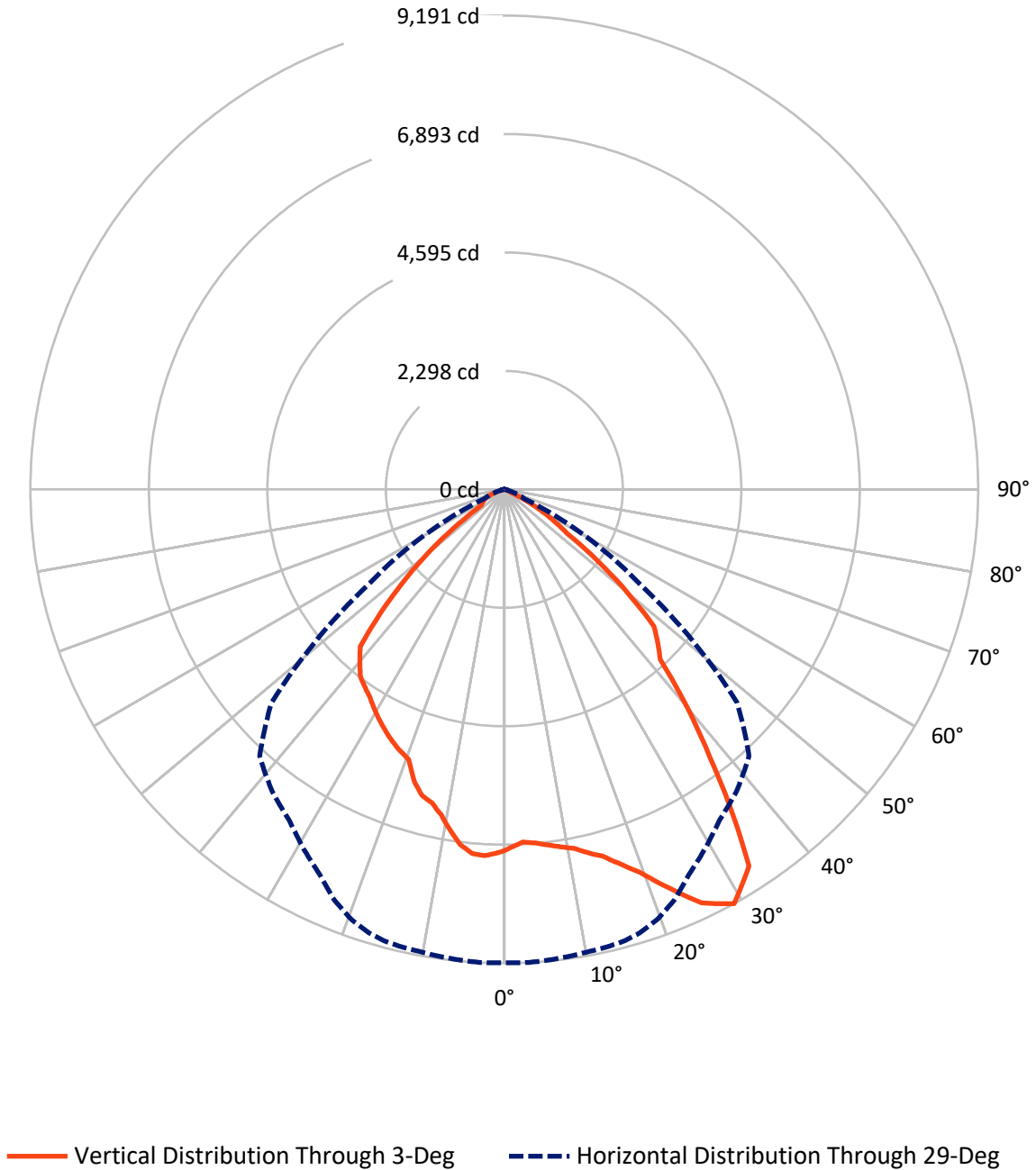
Lumen Table



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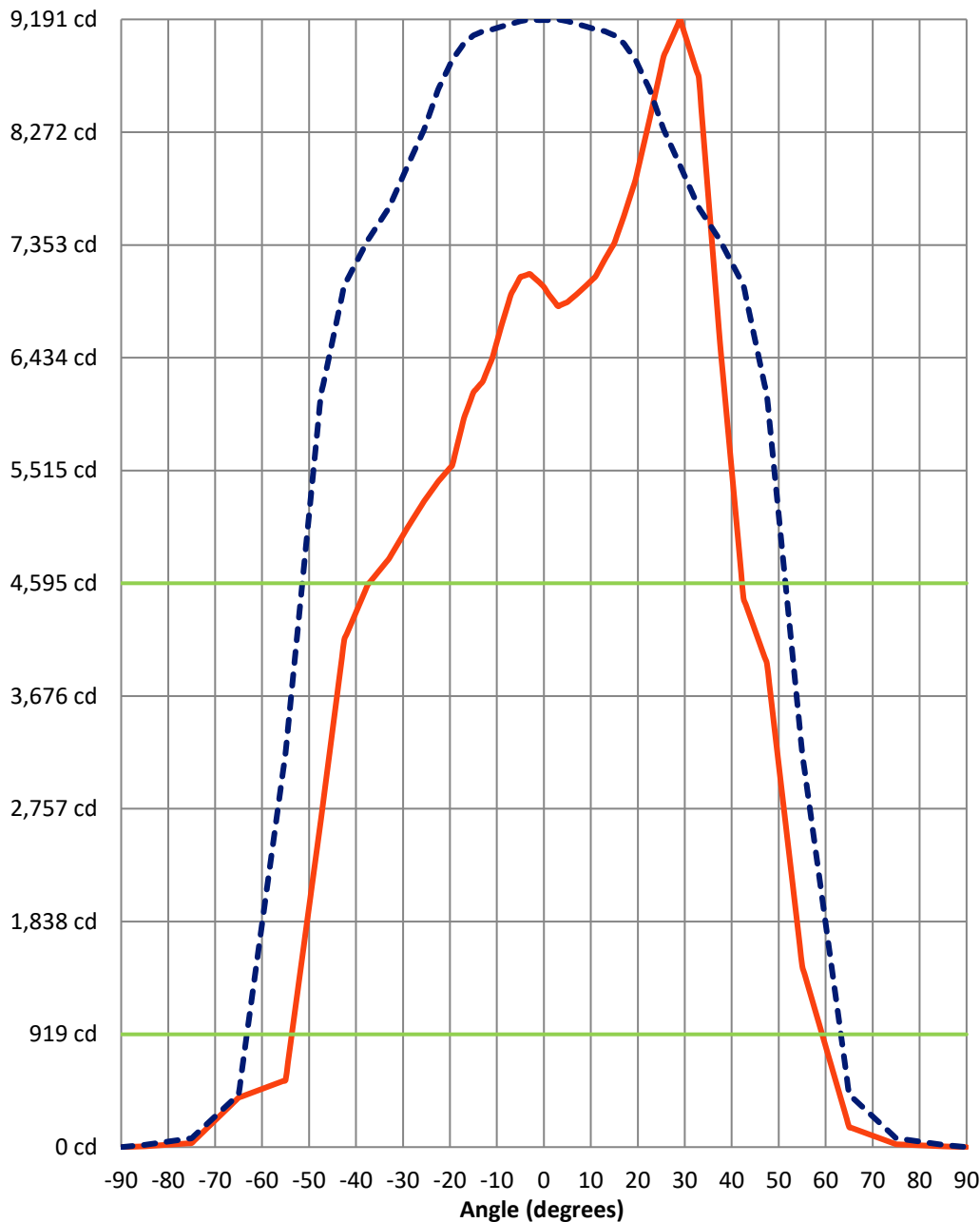
Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 102.9°
 V Angle: 79.4°
 Lumens: 12795.9
 Efficiency: 74.3%

Field:
 H Angle: 126.5°
 V Angle: 112.9°
 Lumens: 16643.1
 Efficiency: 96.6%

Spill:
 Lumens: 578.9
 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	2.9	6.2	14.6	18.9	22.2	24.4	25.5	25.8	25.8	24.7
75°	21.5	21.8	23.3	21.1	16.7	18.2	26.6	30.2	33.5	34.6	32.7
65°	165.9	164.8	163.7	162.6	157.9	151.0	148.4	163.0	200.1	238.7	257.6
55°	1448.1	1443.0	1477.2	1453.2	1500.5	1546.0	1562.3	1567.1	1572.5	1544.9	1507.4
47.5°	3925.8	3960.0	3938.6	3935.6	3910.9	3872.3	3849.1	3811.2	3778.1	3771.2	3658.0
42.5°	4504.7	4489.4	4475.2	4506.9	4488.7	4504.0	4502.1	4463.6	4436.7	4381.3	4326.0
37.5°	6528.7	6540.0	6554.2	6557.1	6565.8	6529.1	6503.6	6476.7	6425.0	6337.0	6210.7
33°	8716.9	8736.9	8712.8	8711.4	8730.7	8721.9	8684.5	8649.5	8572.8	8469.4	8352.3
29°	9185.8	9184.7	9190.9	9176.4	9154.2	9132.7	9109.4	9093.8	9060.3	8995.9	8861.7
25.5°	8873.7	8878.8	8889.3	8880.9	8852.9	8837.3	8817.3	8790.0	8731.8	8662.6	8548.4
22.5°	8350.8	8390.9	8375.2	8364.7	8340.6	8302.4	8310.1	8284.2	8239.1	8168.5	8048.5
19.5°	7865.5	7885.5	7881.5	7852.4	7837.5	7806.2	7791.6	7772.7	7734.5	7690.8	7609.0
17°	7554.7	7591.9	7583.9	7566.0	7542.7	7522.0	7495.8	7479.8	7448.5	7400.5	7301.2
15°	7370.3	7387.0	7367.4	7363.7	7367.0	7325.9	7309.2	7268.4	7258.6	7218.2	7130.5
13°	7214.6	7222.9	7236.0	7215.3	7211.6	7197.1	7162.2	7145.1	7110.9	7094.5	7031.2
11°	7092.3	7149.4	7095.6	7110.5	7093.8	7091.6	7071.9	7062.5	7037.0	7011.9	6973.0
9°	7028.6	7038.5	7021.4	7020.6	7013.0	6999.2	6994.4	6993.7	6988.6	6974.8	6950.8
7°	6950.8	6959.1	6951.1	6943.1	6937.3	6931.5	6947.9	6953.3	6977.0	6957.3	6934.4
5°	6897.7	6889.7	6886.7	6885.3	6899.8	6899.8	6931.9	6950.0	6972.2	6978.4	6948.6
3°	6852.2	6862.0	6853.3	6863.8	6892.6	6907.8	6950.8	6977.3	6991.9	6992.3	6980.2
1°	6922.8	6946.8	6951.5	6958.8	6969.3	6978.8	7010.8	7034.5	7018.8	7019.5	6970.8
0°	6989.0	6998.4	7010.8	7002.4	7016.3	7024.6	7047.6	7052.3	7046.1	7018.5	6953.0
-1°	7058.5	7056.3	7049.4	7047.9	7051.2	7041.4	7054.1	7038.5	7019.9	6995.2	6933.7
-3°	7108.3	7126.5	7116.7	7105.4	7069.8	7069.8	7055.6	6997.3	6972.2	6946.4	6859.8
-5°	7066.5	7089.8	7091.2	7055.2	6999.9	6985.3	6940.2	6905.3	6861.6	6819.4	6732.1
-7°	6973.3	6961.0	6950.0	6903.5	6867.1	6832.9	6772.9	6712.1	6700.8	6660.8	6584.0
-9°	6716.5	6725.2	6699.4	6687.0	6647.0	6602.6	6585.1	6541.8	6518.9	6483.2	6412.7
-11°	6461.4	6426.5	6429.0	6437.8	6409.4	6409.7	6390.8	6364.6	6361.4	6327.5	6267.9
-13°	6260.2	6257.7	6240.6	6255.1	6249.7	6250.4	6232.6	6229.3	6223.1	6199.8	6119.4
-15°	6127.4	6148.9	6151.1	6138.7	6141.6	6134.7	6128.1	6112.5	6107.8	6071.0	5987.0
-17°	5934.2	5941.5	5943.3	5942.2	5933.1	5940.4	5948.4	5942.2	5919.3	5891.3	5823.6
-19.5°	5576.9	5547.8	5558.0	5568.2	5571.1	5570.7	5582.4	5602.0	5583.8	5547.1	5491.1
-22.5°	5449.6	5443.4	5424.5	5430.7	5427.7	5418.7	5418.7	5420.1	5409.6	5371.0	5294.6
-25.5°	5258.6	5267.3	5264.4	5260.4	5259.7	5243.3	5244.0	5246.6	5225.8	5183.2	5114.5
-29°	5047.9	5053.7	5051.5	5041.7	5028.3	4998.8	4986.4	4958.8	4922.0	4898.4	4842.7
-33°	4808.1	4793.6	4794.3	4792.8	4775.0	4757.9	4737.2	4702.6	4664.8	4635.3	4576.4
-37.5°	4582.2	4590.6	4582.9	4585.5	4575.3	4558.2	4539.6	4513.4	4476.3	4433.7	4375.2
-42.5°	4150.7	4144.5	4135.0	4114.3	4105.9	4066.3	4041.9	4042.6	4034.2	4001.9	3946.2
-47.5°	2576.7	2645.1	2660.8	2647.3	2634.2	2628.7	2601.1	2598.9	2601.1	2583.6	2540.7
-55°	532.3	530.5	545.8	556.7	579.2	588.0	592.3	576.3	594.1	630.9	648.7
-65°	410.0	408.6	402.8	402.4	396.9	394.8	394.4	390.8	393.3	404.2	416.6
-75°	32.0	32.0	32.4	28.7	26.6	29.8	38.9	41.8	46.2	44.4	49.5
-85°	1.1	3.3	6.5	15.3	19.6	22.6	24.7	25.8	25.8	25.5	25.1
-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°	22.9	21.5	20.4	18.9	16.4	13.8	12.0	10.2	11.6	10.2	12.4
75°	29.5	29.8	37.5	46.9	42.2	28.4	19.6	16.4	21.5	12.4	13.5
65°	224.5	144.8	89.9	67.7	54.9	46.6	57.1	43.3	40.0	20.0	14.2
55°	1414.6	1320.4	1251.2	1163.2	1134.4	1053.3	852.1	346.7	63.7	32.4	15.3
47.5°	3535.4	3377.2	3198.5	2998.4	2825.9	2587.3	2119.7	927.4	76.4	41.8	16.4
42.5°	4229.6	4049.5	3941.5	3795.6	3634.0	3580.5	3224.3	1597.3	78.6	47.7	16.7
37.5°	6102.7	5901.1	5623.5	5409.2	5239.6	5215.3	4547.6	2254.7	125.2	54.9	17.5
33°	8127.4	7832.0	7449.2	7118.5	6830.3	6571.7	5572.2	2784.1	291.4	63.3	17.8
29°	8620.8	8294.1	7999.0	7655.5	7390.7	7023.2	6121.6	3214.2	428.6	72.4	18.2
25.5°	8314.8	8069.9	7782.9	7512.9	7314.6	7058.1	6358.8	3454.6	539.6	80.8	18.6
22.5°	7863.3	7648.3	7409.6	7237.8	7130.1	6931.9	6340.6	3587.8	628.0	88.0	18.9
19.5°	7466.7	7316.8	7124.0	7017.7	6971.2	6732.8	6157.6	3721.3	707.7	95.7	19.3
17°	7192.4	7063.2	6935.9	6885.6	6839.1	6531.3	5991.0	3814.9	772.8	99.7	19.6
15°	7031.9	6938.4	6847.1	6811.1	6723.4	6354.1	5880.0	3877.1	818.3	103.0	20.0
13°	6955.1	6893.7	6812.2	6743.8	6594.2	6194.0	5798.1	3950.2	855.4	105.9	20.0
11°	6912.9	6855.8	6746.7	6645.5	6435.2	6052.5	5749.7	4013.1	885.9	107.3	20.4
9°	6888.9	6820.2	6687.0	6508.7	6305.3	5929.5	5721.0	4058.6	911.4	108.1	20.7
7°	6896.6	6783.8	6610.2	6405.4	6187.1	5853.8	5695.9	4091.7	928.9	107.7	21.1
5°	6894.0	6747.0	6547.3	6337.3	6095.8	5783.2	5676.6	4117.9	936.9	106.6	21.5
3°	6880.6	6728.8	6490.9	6238.0	6014.3	5726.8	5667.9	4134.7	944.2	105.5	21.5
1°	6859.1	6684.8	6418.5	6182.0	5957.1	5673.7	5658.4	4141.6	942.3	104.4	21.5
0°	6837.6	6663.7	6394.8	6152.9	5930.9	5645.0	5644.6	4159.0	939.1	103.7	21.5
-1°	6802.7	6618.2	6353.4	6109.6	5896.7	5650.1	5645.3	4143.4	935.4	102.6	21.8
-3°	6707.0	6534.5	6285.0	6044.8	5834.2	5612.9	5633.0	4128.1	928.9	101.5	22.2
-5°	6598.6	6431.6	6207.8	5969.5	5761.8	5557.3	5604.6	4085.2	913.6	100.8	22.2
-7°	6460.7	6335.2	6096.1	5864.7	5667.9	5478.0	5551.1	4043.7	896.9	100.1	22.6
-9°	6319.5	6188.2	5975.3	5745.0	5564.2	5412.1	5478.0	3979.3	874.7	99.3	22.6
-11°	6175.4	6040.1	5827.6	5613.7	5441.2	5308.8	5400.8	3907.3	849.9	99.3	22.9
-13°	6003.0	5879.3	5686.4	5494.0	5328.4	5230.5	5317.9	3816.3	819.7	99.7	22.9
-15°	5870.2	5738.1	5553.3	5373.2	5222.9	5150.1	5221.1	3700.2	791.0	100.4	23.3
-17°	5711.9	5597.7	5428.8	5260.7	5125.0	5072.6	5124.3	3582.7	753.9	100.8	23.3
-19.5°	5403.0	5298.9	5192.0	5081.4	4992.2	4975.5	5000.6	3428.5	703.7	101.5	23.3
-22.5°	5195.3	5089.7	4973.3	4887.4	4826.3	4883.8	4852.2	3214.5	632.4	102.6	23.3
-25.5°	5025.0	4927.8	4811.4	4728.8	4693.9	4819.8	4715.7	2983.1	552.7	102.6	23.3
-29°	4762.3	4677.5	4573.1	4494.9	4475.9	4672.1	4451.2	2715.7	458.8	101.1	23.3
-33°	4474.5	4379.2	4273.7	4190.3	4155.0	4419.2	4015.0	2395.2	341.6	97.1	23.3
-37.5°	4291.1	4184.5	4066.6	3935.6	3856.0	3892.0	3431.7	1935.3	198.7	90.2	22.9
-42.5°	3847.6	3782.1	3636.9	3495.4	3286.6	3036.6	2558.9	1388.0	151.7	81.9	22.9
-47.5°	2544.0	2495.9	2449.4	2360.2	2161.2	1901.4	1598.0	768.8	144.4	71.7	22.6
-55°	702.9	712.8	755.0	703.3	614.9	538.8	522.8	234.7	132.8	54.9	21.5
-65°	441.3	447.5	364.9	258.3	174.6	133.5	135.3	89.9	88.4	32.0	20.0
-75°	53.8	54.2	45.5	43.3	43.7	49.8	52.0	43.3	34.9	18.2	18.6
-85°	24.4	24.0	23.3	22.6	22.2	21.1	19.6	17.8	16.4	16.7	16.7
-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)