

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: P507784

Luminaire Tested: **UFLD-CA2-180-727-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507784
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-CA2-180-727-U-66
Description: UTILITY FLOOD, 6x6 OPTIC
Light Source: (2) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

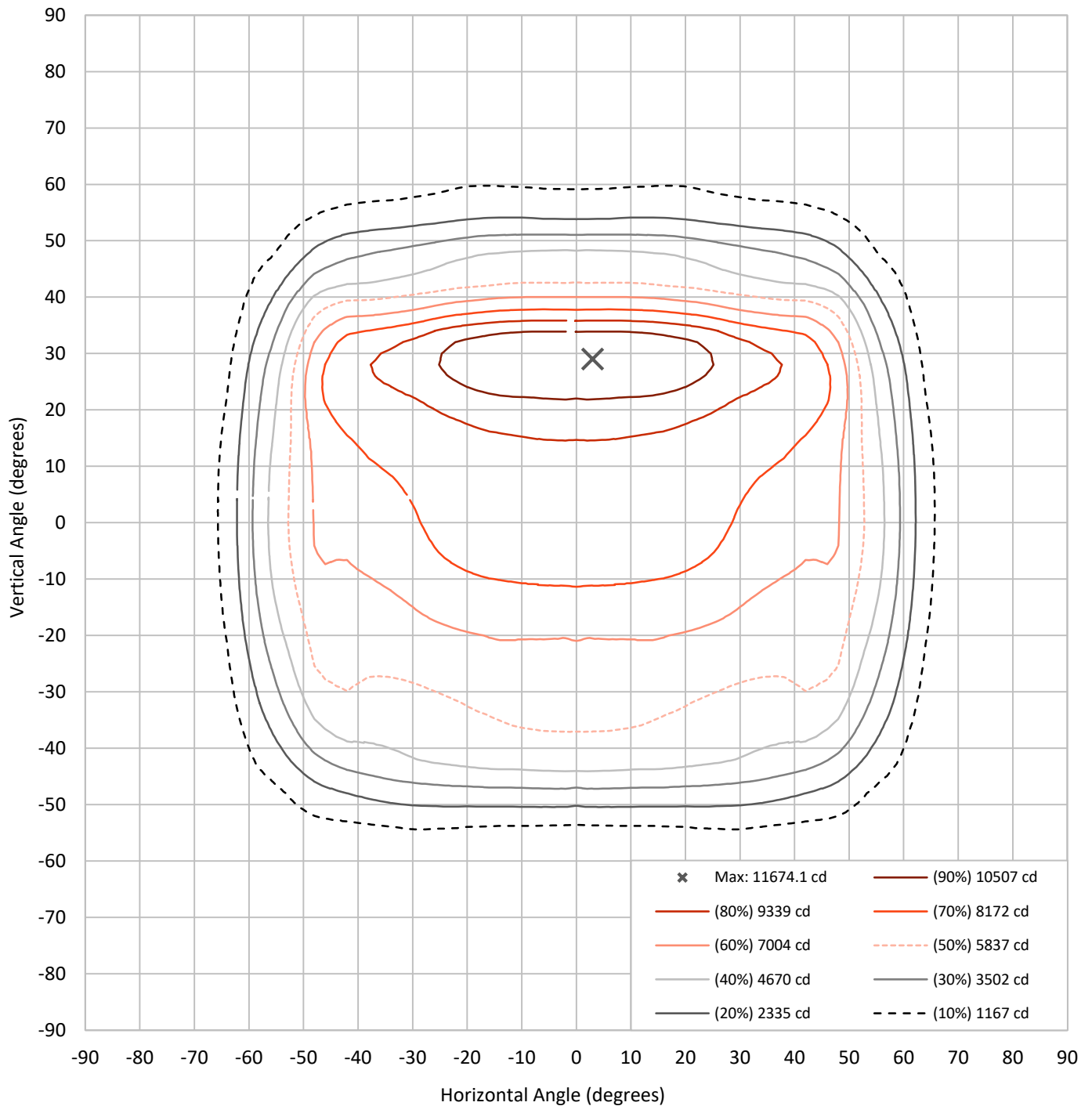
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	21875 lumens	Max Intensity:	11674.1 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	119.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.25' x L: 0.67' x H: 0')		
Beam Angle (50%):	102.9°H x 79.4°V	Field Angle (10%):	126.5°H x 112.9°V
Beam Lumens:	16253.1 lumens	Field Lumens:	21139.7 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%
Input Watts (W):	182.8		
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

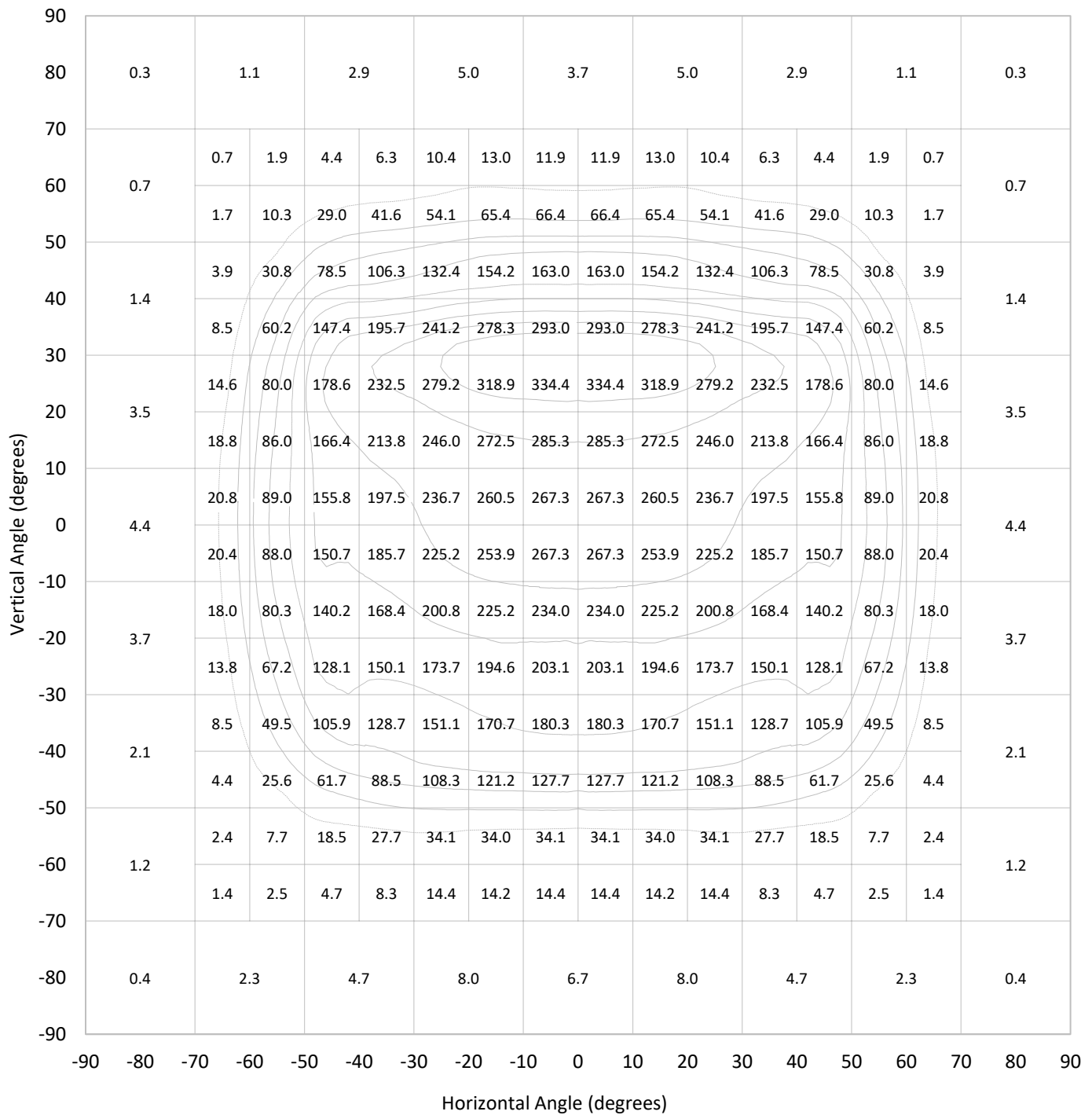




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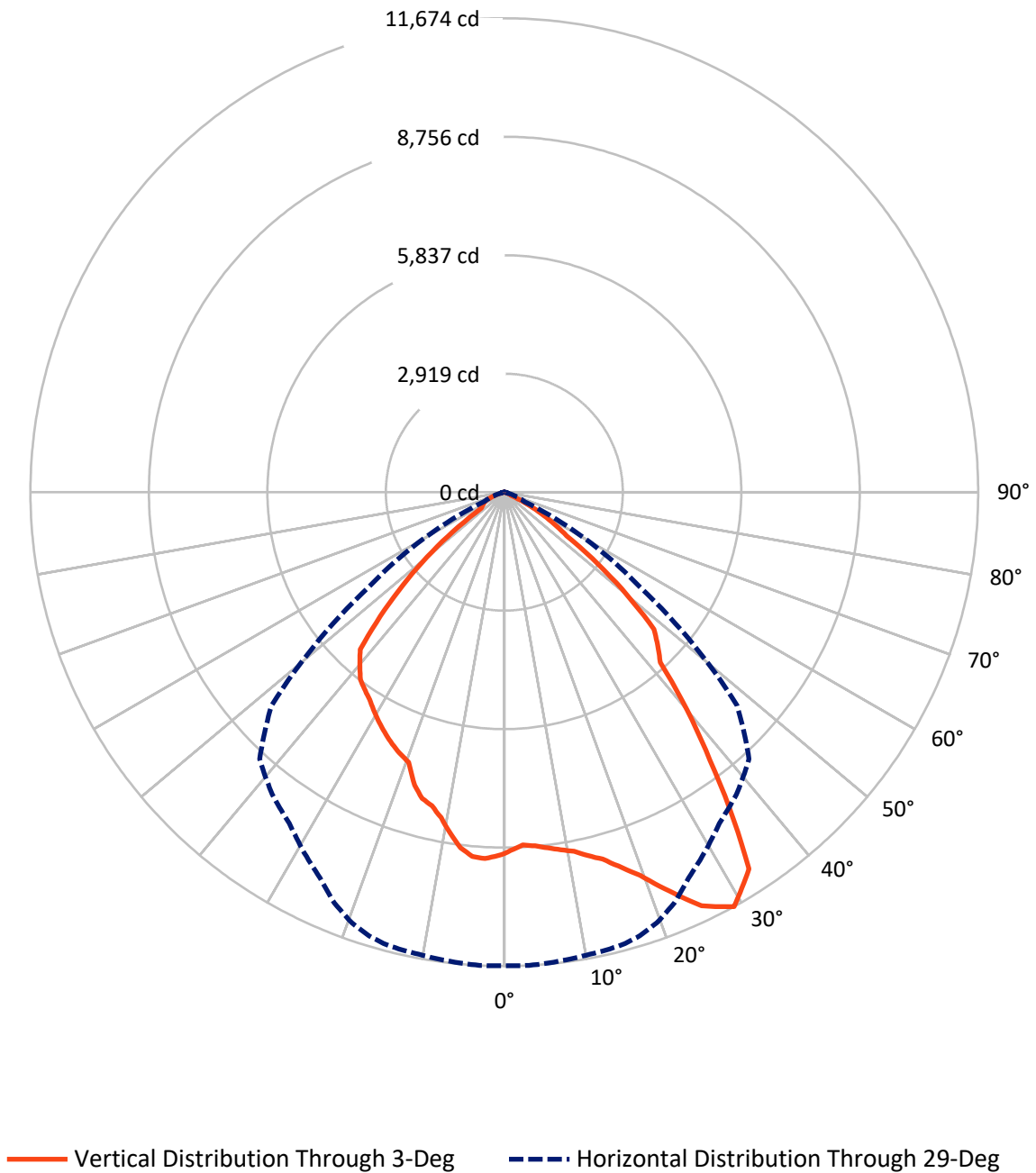
Lumen Table



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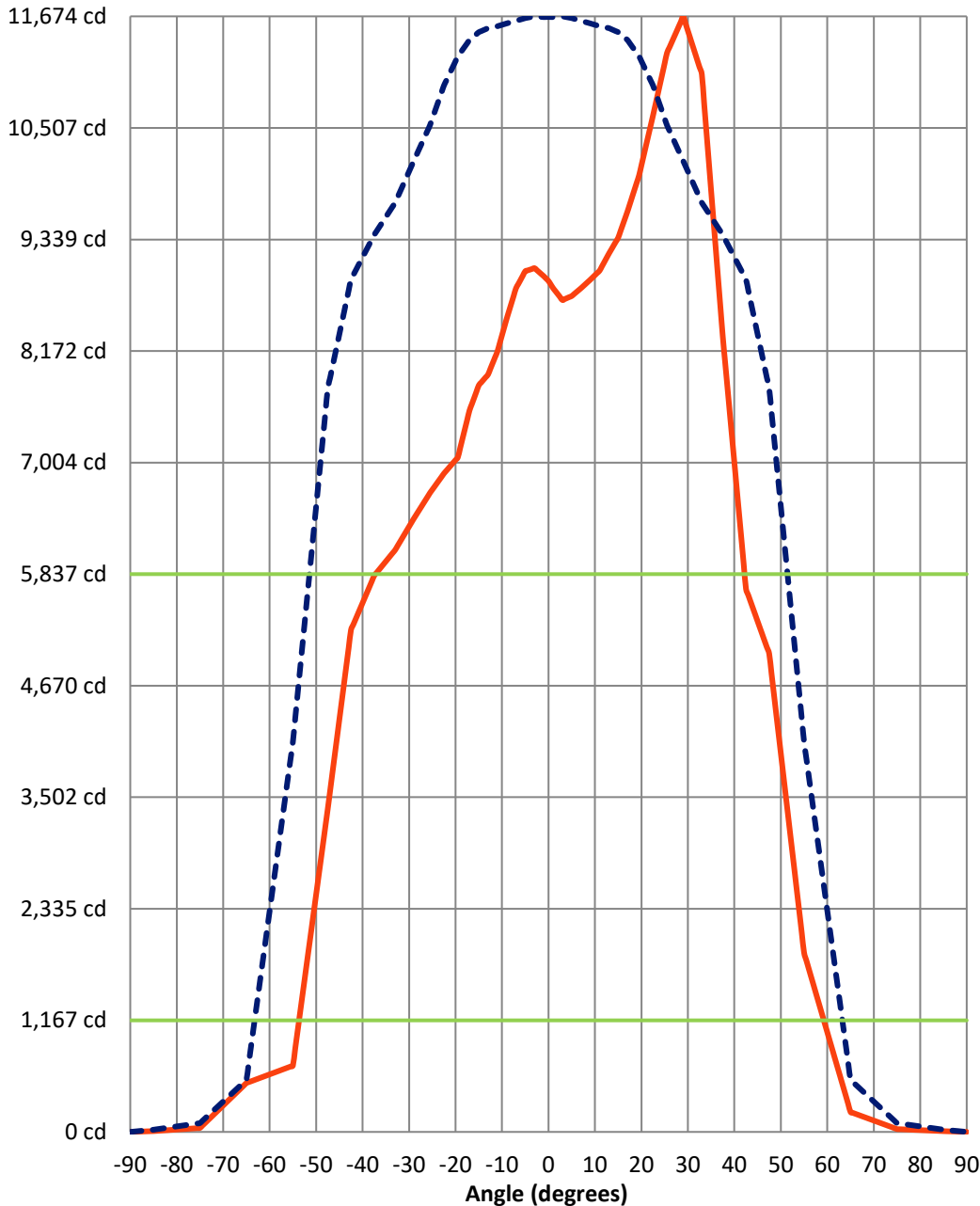
Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 102.9°
 V Angle: 79.4°
 Lumens: 16253.1
 Efficiency: 74.3%

Field:
 H Angle: 126.5°
 V Angle: 112.9°
 Lumens: 21139.7
 Efficiency: 96.6%

Spill:
 Lumens: 735.3
 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°	0.5	3.7	7.9	18.5	24.0	28.2	31.0	32.3	32.8	32.8	31.4
75°	27.3	27.7	29.6	26.8	21.3	23.1	33.7	38.4	42.5	43.9	41.6
65°	210.7	209.3	208.0	206.6	200.6	191.8	188.6	207.0	254.2	303.2	327.2
55°	1839.3	1832.8	1876.3	1845.8	1905.9	1963.6	1984.4	1990.4	1997.4	1962.2	1914.6
47.5°	4986.5	5029.9	5002.7	4999.0	4967.5	4918.6	4889.0	4840.9	4798.9	4790.1	4646.4
42.5°	5721.8	5702.3	5684.3	5724.5	5701.4	5720.8	5718.5	5669.5	5635.3	5565.1	5494.8
37.5°	8292.6	8307.0	8325.0	8328.7	8339.8	8293.1	8260.8	8226.6	8160.9	8049.1	7888.7
33°	11071.9	11097.4	11066.9	11065.0	11089.5	11078.4	11030.8	10986.5	10888.9	10757.7	10608.9
29°	11667.6	11666.3	11674.1	11655.6	11627.4	11600.2	11570.6	11550.7	11508.2	11426.4	11255.9
25.5°	11271.1	11277.6	11291.0	11280.4	11244.8	11224.9	11199.5	11164.8	11090.9	11003.1	10858.0
22.5°	10607.0	10657.9	10638.0	10624.6	10594.1	10545.6	10555.3	10522.5	10465.2	10375.5	10223.0
19.5°	9990.5	10016.0	10010.9	9973.9	9955.0	9915.2	9896.7	9872.7	9824.2	9768.7	9664.7
17°	9595.9	9643.0	9632.8	9610.2	9580.6	9554.3	9521.0	9500.7	9460.9	9399.9	9273.8
15°	9361.6	9382.8	9357.9	9353.3	9357.4	9305.2	9283.9	9232.2	9219.7	9168.4	9057.0
13°	9163.8	9174.4	9191.0	9164.7	9160.1	9141.6	9097.2	9075.5	9032.1	9011.3	8930.9
11°	9008.5	9081.1	9012.7	9031.6	9010.3	9007.6	8982.6	8970.6	8938.2	8906.4	8856.9
9°	8927.6	8940.1	8918.4	8917.5	8907.7	8890.2	8884.2	8883.3	8876.8	8859.2	8828.7
7°	8828.7	8839.4	8829.2	8819.0	8811.6	8804.2	8825.0	8832.0	8862.0	8837.0	8807.9
5°	8761.2	8751.1	8747.4	8745.5	8764.0	8764.0	8804.7	8827.8	8856.0	8863.8	8825.9
3°	8703.5	8716.0	8704.9	8718.3	8754.8	8774.2	8828.7	8862.5	8880.9	8881.4	8866.2
1°	8793.1	8823.6	8829.6	8838.9	8852.3	8864.3	8905.0	8935.0	8915.1	8916.1	8854.1
0°	8877.2	8889.3	8905.0	8894.3	8911.9	8922.5	8951.7	8957.7	8949.8	8914.7	8831.5
-1°	8965.5	8962.7	8954.0	8952.1	8956.3	8943.8	8960.0	8940.1	8916.5	8885.1	8807.0
-3°	9028.8	9051.9	9039.5	9025.1	8979.8	8979.8	8961.8	8887.9	8856.0	8823.2	8713.2
-5°	8975.7	9005.3	9007.1	8961.4	8891.1	8872.6	8815.3	8771.0	8715.5	8661.9	8551.0
-7°	8857.4	8841.7	8827.8	8768.6	8722.4	8679.0	8602.7	8525.6	8511.2	8460.4	8362.9
-9°	8531.1	8542.2	8509.4	8493.7	8442.8	8386.5	8364.3	8309.3	8280.2	8234.9	8145.2
-11°	8207.1	8162.8	8166.0	8177.1	8141.1	8141.5	8117.5	8084.2	8080.1	8037.1	7961.3
-13°	7951.6	7948.3	7926.6	7945.1	7938.2	7939.1	7916.5	7912.3	7904.4	7874.9	7772.7
-15°	7782.9	7810.2	7812.9	7797.2	7800.9	7792.1	7783.8	7764.0	7757.9	7711.3	7604.5
-17°	7537.5	7546.7	7549.1	7547.7	7536.1	7545.4	7555.5	7547.7	7518.6	7483.0	7397.0
-19.5°	7083.7	7046.7	7059.6	7072.6	7076.3	7075.8	7090.6	7115.6	7092.5	7045.8	6974.6
-22.5°	6921.9	6914.1	6890.0	6897.9	6894.2	6882.7	6882.7	6884.5	6871.1	6822.1	6725.1
-25.5°	6679.3	6690.4	6686.7	6681.6	6680.7	6659.9	6660.8	6664.1	6637.7	6583.6	6496.3
-29°	6411.7	6419.1	6416.4	6403.9	6386.8	6349.3	6333.6	6298.5	6251.8	6221.8	6151.1
-33°	6107.2	6088.7	6089.6	6087.8	6065.1	6043.4	6017.1	5973.2	5925.1	5887.7	5812.8
-37.5°	5820.2	5830.8	5821.1	5824.3	5811.4	5789.7	5766.1	5732.8	5685.7	5631.6	5557.2
-42.5°	5272.1	5264.2	5252.2	5225.9	5215.2	5164.9	5133.9	5134.8	5124.2	5083.1	5012.4
-47.5°	3272.9	3359.8	3379.6	3362.5	3345.9	3339.0	3303.8	3301.1	3303.8	3281.7	3227.1
-55°	676.1	673.8	693.2	707.1	735.7	746.8	752.4	732.0	754.7	801.4	824.0
-65°	520.8	519.0	511.6	511.1	504.2	501.4	501.0	496.3	499.6	513.4	529.2
-75°	40.7	40.7	41.1	36.5	33.7	37.9	49.4	53.1	58.7	56.4	62.9
-85°	1.4	4.2	8.3	19.4	25.0	28.7	31.4	32.8	32.8	32.3	31.9
-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):

	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°	29.1	27.3	25.9	24.0	20.8	17.6	15.3	12.9	14.8	12.9	15.7
75°	37.4	37.9	47.6	59.6	53.6	36.0	25.0	20.8	27.3	15.7	17.1
65°	285.1	183.9	114.1	86.0	69.8	59.2	72.6	55.0	50.8	25.4	18.0
55°	1796.8	1677.1	1589.3	1477.5	1441.0	1337.9	1082.3	440.4	80.9	41.1	19.4
47.5°	4490.6	4289.6	4062.7	3808.5	3589.4	3286.3	2692.4	1178.0	97.0	53.1	20.8
42.5°	5372.4	5143.6	5006.4	4821.0	4615.9	4547.9	4095.5	2028.8	99.8	60.5	21.3
37.5°	7751.5	7495.4	7142.8	6870.6	6655.3	6624.3	5776.3	2863.9	159.0	69.8	22.2
33°	10323.3	9948.0	9461.9	9041.8	8675.8	8347.2	7077.7	3536.3	370.2	80.4	22.6
29°	10949.9	10534.9	10160.1	9723.9	9387.4	8920.7	7775.5	4082.5	544.4	92.0	23.1
25.5°	10561.3	10250.3	9885.6	9542.7	9290.9	8965.1	8076.8	4388.0	685.4	102.6	23.6
22.5°	9987.8	9714.6	9411.5	9193.4	9056.6	8804.7	8053.7	4557.2	797.7	111.8	24.0
19.5°	9484.0	9293.6	9048.7	8913.8	8854.6	8551.9	7821.3	4726.8	898.9	121.5	24.5
17°	9135.6	8971.5	8809.8	8746.0	8686.8	8295.9	7609.6	4845.5	981.6	126.6	25.0
15°	8931.8	8813.0	8697.0	8651.3	8539.9	8070.8	7468.6	4924.6	1039.4	130.8	25.4
13°	8834.3	8756.2	8652.6	8565.8	8375.8	7867.5	7364.7	5017.5	1086.5	134.5	25.4
11°	8780.7	8708.1	8569.5	8441.0	8173.9	7687.7	7303.2	5097.4	1125.3	136.3	25.9
9°	8750.2	8662.8	8493.7	8267.2	8008.9	7531.5	7266.7	5155.2	1157.7	137.3	26.3
7°	8759.9	8616.6	8396.2	8136.0	7858.7	7435.4	7234.8	5197.2	1179.8	136.8	26.8
5°	8756.6	8569.9	8316.2	8049.6	7742.7	7345.7	7210.3	5230.5	1190.0	135.4	27.3
3°	8739.5	8546.8	8244.6	7923.4	7639.2	7274.1	7199.2	5251.8	1199.3	134.0	27.3
1°	8712.3	8490.9	8152.6	7852.2	7566.6	7206.6	7187.2	5260.5	1196.9	132.6	27.3
0°	8685.0	8464.1	8122.6	7815.2	7533.3	7170.1	7169.6	5282.7	1192.8	131.7	27.3
-1°	8640.6	8406.3	8069.9	7760.3	7489.9	7176.6	7170.6	5262.8	1188.2	130.3	27.7
-3°	8519.1	8300.0	7983.0	7678.0	7410.4	7129.4	7154.9	5243.4	1179.8	128.9	28.2
-5°	8381.4	8169.2	7885.0	7582.3	7318.4	7058.7	7118.8	5188.9	1160.4	128.0	28.2
-7°	8206.2	8046.8	7743.2	7449.2	7199.2	6958.0	7050.9	5136.2	1139.2	127.1	28.7
-9°	8026.9	7860.1	7589.7	7297.2	7067.5	6874.3	6958.0	5054.4	1111.0	126.2	28.7
-11°	7843.9	7672.0	7402.1	7130.4	6911.3	6743.1	6860.0	4962.9	1079.6	126.2	29.1
-13°	7624.8	7467.7	7222.8	6978.3	6768.0	6643.7	6754.6	4847.4	1041.2	126.6	29.1
-15°	7456.2	7288.4	7053.6	6824.9	6634.0	6541.6	6631.7	4700.0	1004.7	127.6	29.6
-17°	7255.1	7110.0	6895.6	6682.1	6509.7	6443.2	6508.8	4550.7	957.6	128.0	29.6
-19.5°	6862.8	6730.6	6594.7	6454.2	6341.0	6319.8	6351.7	4354.7	893.8	128.9	29.6
-22.5°	6598.9	6464.9	6317.0	6207.9	6130.3	6203.3	6163.1	4083.0	803.2	130.3	29.6
-25.5°	6382.6	6259.2	6111.3	6006.4	5962.1	6122.0	5989.8	3789.1	702.0	130.3	29.6
-29°	6048.9	5941.3	5808.6	5709.3	5685.2	5934.3	5653.8	3449.4	582.8	128.5	29.6
-33°	5683.4	5562.3	5428.3	5322.5	5277.6	5613.2	5099.7	3042.3	433.9	123.4	29.6
-37.5°	5450.5	5315.1	5165.3	4999.0	4897.8	4943.5	4358.9	2458.1	252.3	114.6	29.1
-42.5°	4887.1	4803.9	4619.6	4439.8	4174.5	3857.0	3250.2	1763.1	192.7	104.0	29.1
-47.5°	3231.3	3170.3	3111.1	2997.9	2745.1	2415.1	2029.7	976.5	183.5	91.0	28.7
-55°	892.9	905.3	958.9	893.3	781.0	684.4	664.1	298.1	168.7	69.8	27.3
-65°	560.6	568.4	463.5	328.1	221.8	169.6	171.9	114.1	112.3	40.7	25.4
-75°	68.4	68.9	57.8	55.0	55.5	63.3	66.1	55.0	44.4	23.1	23.6
-85°	31.0	30.5	29.6	28.7	28.2	26.8	25.0	22.6	20.8	21.3	21.3
-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)