

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: P507774

Luminaire Tested: **UFLD-CA2-130-740-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507774
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-CA2-130-740-U-66
Description: UTILITY FLOOD, 6x6 OPTIC
Light Source: (2) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

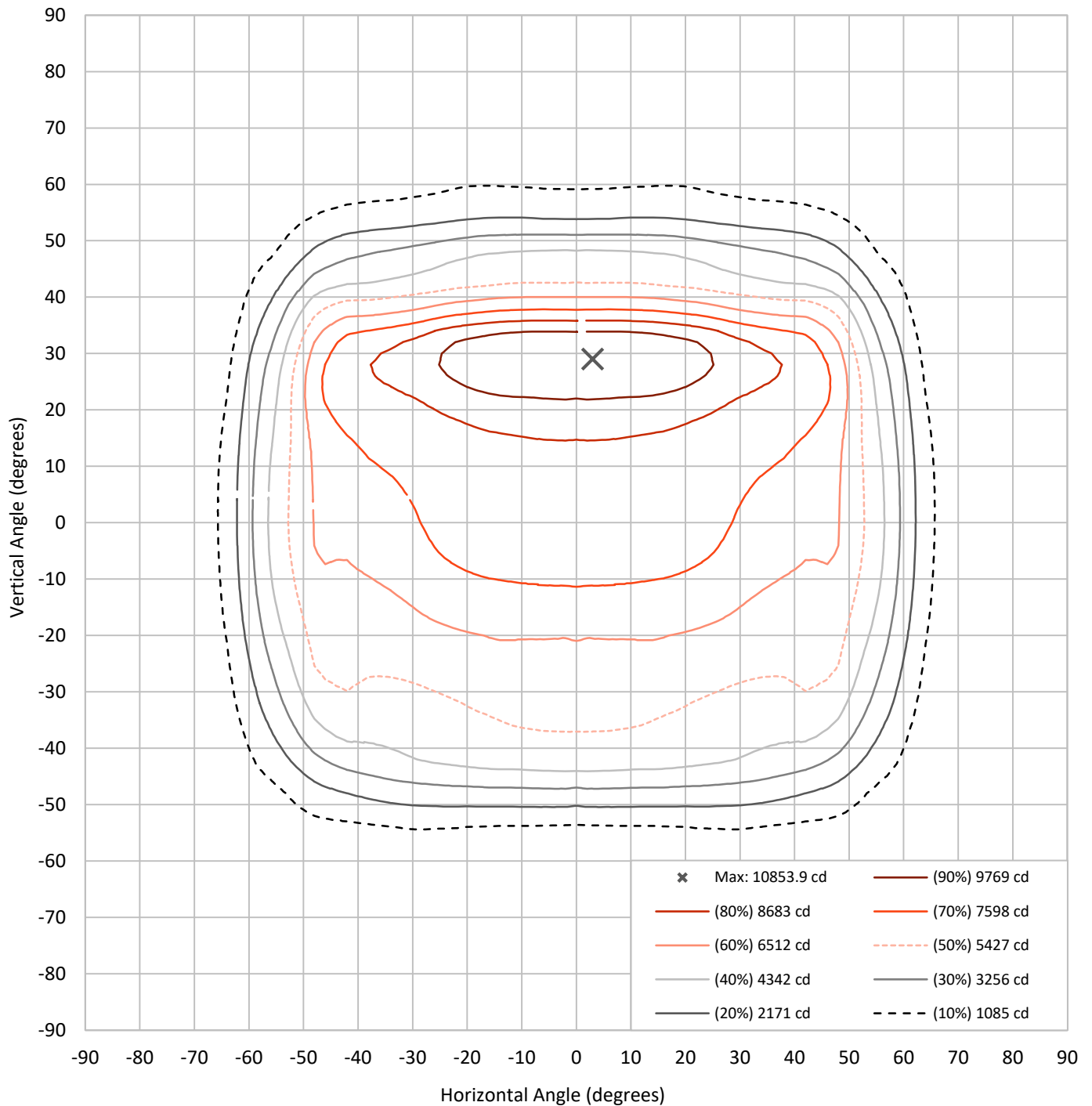
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	20338 lumens	Max Intensity:	10853.9 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	153.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.25' x L: 0.67' x H: 0')		
Beam Angle (50%):	102.9°H x 79.4°V	Field Angle (10%):	126.5°H x 112.9°V
Beam Lumens:	15111.1 lumens	Field Lumens:	19654.3 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

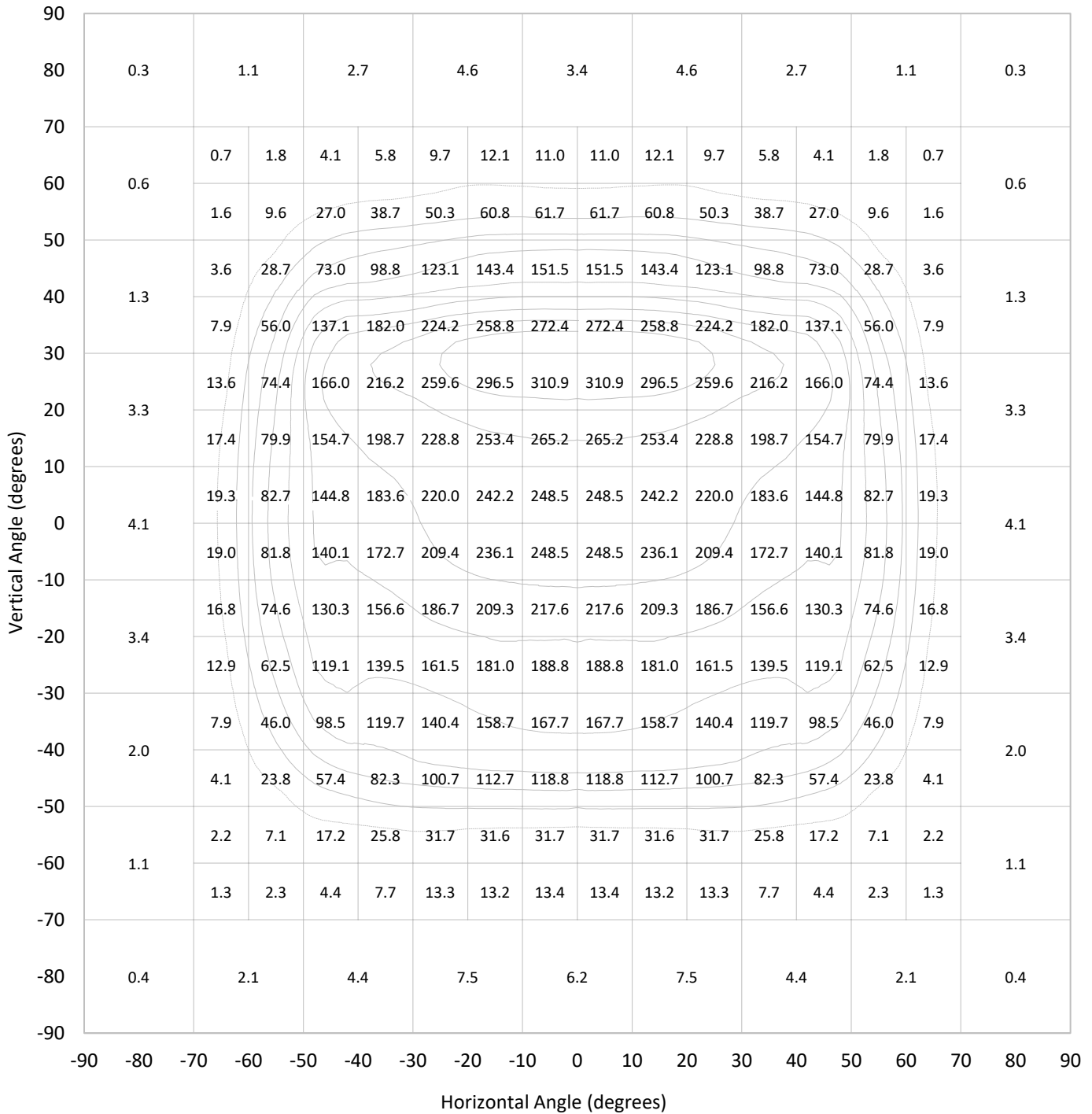




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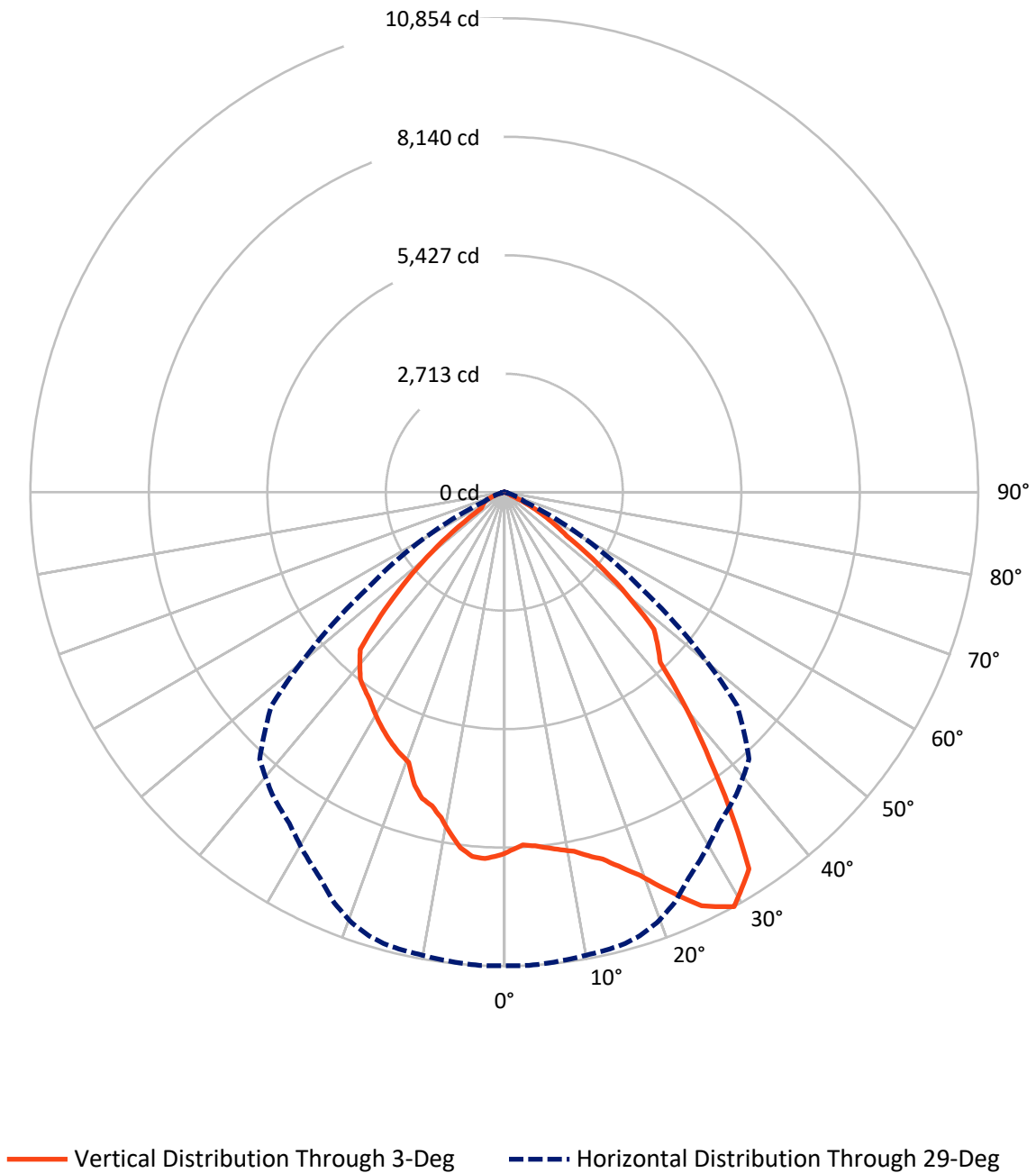
Lumen Table



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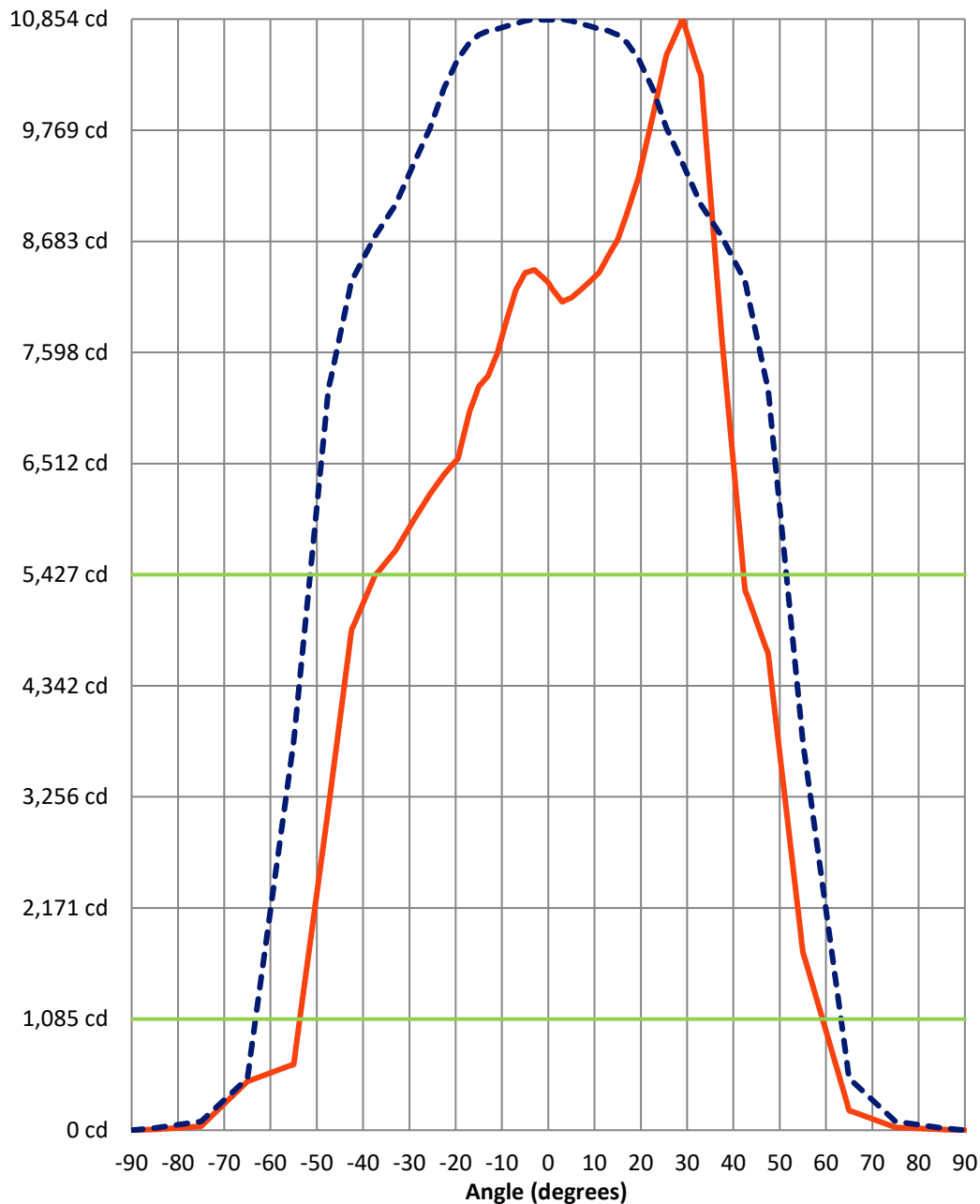
Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 102.9°
 V Angle: 79.4°
 Lumens: 15111.1
 Efficiency: 74.3%

Field:
 H Angle: 126.5°
 V Angle: 112.9°
 Lumens: 19654.3
 Efficiency: 96.6%

Spill:
 Lumens: 683.7
 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	3.4	7.3	17.2	22.3	26.2	28.8	30.1	30.5	30.5	29.2
75°	25.4	25.8	27.5	24.9	19.8	21.5	31.4	35.7	39.5	40.8	38.7
65°	195.9	194.6	193.4	192.1	186.5	178.3	175.3	192.5	236.3	281.9	304.2
55°	1710.1	1704.1	1744.5	1716.1	1772.0	1825.7	1845.0	1850.6	1857.0	1824.4	1780.1
47.5°	4636.1	4676.5	4651.2	4647.7	4618.5	4573.0	4545.5	4500.8	4461.7	4453.5	4319.9
42.5°	5319.7	5301.7	5284.9	5322.3	5300.8	5318.9	5316.7	5271.2	5239.4	5174.1	5108.8
37.5°	7710.0	7723.3	7740.1	7743.5	7753.8	7710.4	7680.3	7648.5	7587.5	7483.5	7334.4
33°	10294.0	10317.6	10289.3	10287.6	10310.3	10300.0	10255.8	10214.5	10123.9	10001.8	9863.5
29°	10847.8	10846.6	10853.9	10836.7	10810.5	10785.1	10757.6	10739.1	10699.6	10623.6	10465.0
25.5°	10479.2	10485.2	10497.7	10487.8	10454.7	10436.2	10412.6	10380.4	10311.6	10230.0	10095.1
22.5°	9861.8	9909.0	9890.5	9878.1	9849.7	9804.6	9813.6	9783.1	9729.8	9646.5	9504.7
19.5°	9288.6	9312.2	9307.5	9273.1	9255.5	9218.5	9201.4	9179.0	9133.9	9082.3	8985.7
17°	8921.6	8965.5	8956.0	8935.0	8907.5	8883.0	8852.0	8833.1	8796.2	8739.5	8622.2
15°	8703.8	8723.6	8700.4	8696.1	8699.9	8651.4	8631.6	8583.5	8571.9	8524.2	8420.6
13°	8519.9	8529.8	8545.3	8520.8	8516.5	8499.3	8458.0	8437.8	8397.4	8378.1	8303.3
11°	8375.5	8443.0	8379.4	8397.0	8377.3	8374.7	8351.5	8340.3	8310.2	8280.6	8234.6
9°	8300.3	8311.9	8291.7	8290.9	8281.9	8265.5	8260.0	8259.1	8253.1	8236.7	8208.4
7°	8208.4	8218.3	8208.8	8199.4	8192.5	8185.6	8205.0	8211.4	8239.3	8216.1	8189.1
5°	8145.7	8136.2	8132.8	8131.1	8148.2	8148.2	8186.0	8207.5	8233.7	8241.0	8205.8
3°	8092.0	8103.6	8093.2	8105.7	8139.6	8157.7	8208.4	8239.8	8256.9	8257.4	8243.2
1°	8175.3	8203.7	8209.2	8217.8	8230.3	8241.5	8279.3	8307.2	8288.7	8289.6	8232.0
0°	8253.5	8264.7	8279.3	8269.4	8285.7	8295.6	8322.7	8328.3	8321.0	8288.3	8211.0
-1°	8335.6	8333.0	8324.8	8323.1	8327.0	8315.4	8330.4	8311.9	8290.0	8260.8	8188.2
-3°	8394.4	8415.9	8404.3	8391.0	8348.9	8348.9	8332.1	8263.4	8233.7	8203.2	8101.0
-5°	8345.0	8372.5	8374.2	8331.7	8266.4	8249.2	8195.9	8154.7	8103.1	8053.3	7950.2
-7°	8235.0	8220.4	8207.5	8152.5	8109.6	8069.2	7998.3	7926.5	7913.2	7865.9	7775.3
-9°	7931.7	7942.0	7911.5	7896.9	7849.6	7797.2	7776.6	7725.4	7698.4	7656.3	7572.9
-11°	7630.5	7589.2	7592.2	7602.6	7569.0	7569.5	7547.1	7516.2	7512.3	7472.4	7401.9
-13°	7392.9	7389.9	7369.7	7386.9	7380.4	7381.3	7360.2	7356.4	7349.1	7321.6	7226.6
-15°	7236.1	7261.4	7264.0	7249.4	7252.8	7244.6	7236.9	7218.4	7212.8	7169.5	7070.2
-17°	7007.9	7016.5	7018.6	7017.3	7006.6	7015.2	7024.7	7017.3	6990.3	6957.2	6877.3
-19.5°	6586.0	6551.6	6563.6	6575.6	6579.1	6578.7	6592.4	6615.6	6594.1	6550.7	6484.6
-22.5°	6435.6	6428.3	6405.9	6413.2	6409.8	6399.1	6399.1	6400.8	6388.3	6342.8	6252.5
-25.5°	6210.0	6220.3	6216.9	6212.1	6211.3	6192.0	6192.8	6195.8	6171.3	6121.1	6039.9
-29°	5961.2	5968.1	5965.5	5953.9	5938.0	5903.2	5888.6	5856.0	5812.6	5784.6	5718.9
-33°	5678.1	5660.9	5661.7	5660.0	5639.0	5618.8	5594.3	5553.5	5508.8	5474.0	5404.4
-37.5°	5411.2	5421.1	5412.1	5415.1	5403.1	5382.9	5361.0	5330.0	5286.2	5235.9	5166.8
-42.5°	4901.7	4894.4	4883.2	4858.7	4848.8	4802.0	4773.2	4774.0	4764.2	4725.9	4660.2
-47.5°	3042.9	3123.7	3142.2	3126.3	3110.8	3104.4	3071.7	3069.1	3071.7	3051.1	3000.4
-55°	628.6	626.5	644.5	657.4	684.0	694.3	699.5	680.6	701.6	745.0	766.1
-65°	484.2	482.5	475.6	475.2	468.8	466.2	465.8	461.5	464.5	477.4	492.0
-75°	37.8	37.8	38.2	33.9	31.4	35.2	46.0	49.4	54.6	52.4	58.4
-85°	1.3	3.9	7.7	18.0	23.2	26.6	29.2	30.5	30.5	30.1	29.6
-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°	27.1	25.4	24.1	22.3	19.3	16.3	14.2	12.0	13.7	12.0	14.6
75°	34.8	35.2	44.3	55.4	49.8	33.5	23.2	19.3	25.4	14.6	15.9
65°	265.1	171.0	106.1	79.9	64.9	55.0	67.5	51.1	47.3	23.6	16.8
55°	1670.6	1559.3	1477.6	1373.7	1339.7	1243.9	1006.3	409.5	75.2	38.2	18.0
47.5°	4175.1	3988.2	3777.2	3540.9	3337.2	3055.4	2503.2	1095.2	90.2	49.4	19.3
42.5°	4994.9	4782.2	4654.6	4482.3	4291.5	4228.4	3807.7	1886.2	92.8	56.3	19.8
37.5°	7206.8	6968.8	6641.0	6387.9	6187.7	6158.9	5370.4	2662.7	147.8	64.9	20.6
33°	9597.9	9249.0	8797.0	8406.5	8066.2	7760.7	6580.4	3287.8	344.2	74.8	21.1
29°	10180.6	9794.7	9446.3	9040.7	8727.9	8293.9	7229.2	3795.7	506.1	85.5	21.5
25.5°	9819.2	9530.1	9191.0	8872.2	8638.1	8335.1	7509.3	4079.7	637.2	95.4	21.9
22.5°	9286.0	9032.1	8750.2	8547.4	8420.2	8186.0	7487.8	4237.0	741.6	104.0	22.3
19.5°	8817.7	8640.6	8412.9	8287.4	8232.5	7951.0	7271.7	4394.7	835.7	113.0	22.8
17°	8493.7	8341.2	8190.8	8131.5	8076.5	7713.0	7074.9	4505.1	912.6	117.7	23.2
15°	8304.2	8193.8	8085.9	8043.4	7939.8	7503.7	6943.9	4578.5	966.3	121.6	23.6
13°	8213.5	8140.9	8044.7	7963.9	7787.3	7314.7	6847.2	4664.9	1010.2	125.0	23.6
11°	8163.7	8096.2	7967.3	7847.9	7599.5	7147.5	6790.1	4739.2	1046.2	126.8	24.1
9°	8135.3	8054.1	7896.9	7686.3	7446.2	7002.3	6756.1	4793.0	1076.3	127.6	24.5
7°	8144.4	8011.2	7806.2	7564.3	7306.5	6912.9	6726.5	4832.1	1096.9	127.2	24.9
5°	8141.4	7967.8	7731.9	7484.0	7198.7	6829.6	6703.7	4863.0	1106.4	125.9	25.4
3°	8125.5	7946.3	7665.3	7366.7	7102.4	6763.0	6693.4	4882.8	1115.0	124.6	25.4
1°	8100.1	7894.3	7579.8	7300.5	7035.0	6700.3	6682.2	4890.9	1112.8	123.3	25.4
0°	8074.8	7869.4	7551.9	7266.1	7004.0	6666.3	6665.9	4911.5	1109.0	122.5	25.4
-1°	8033.5	7815.7	7502.9	7215.0	6963.6	6672.3	6666.7	4893.1	1104.7	121.2	25.8
-3°	7920.5	7716.8	7422.1	7138.5	6889.7	6628.5	6652.1	4875.0	1096.9	119.9	26.2
-5°	7792.5	7595.3	7331.0	7049.6	6804.2	6562.8	6618.6	4824.3	1078.9	119.0	26.2
-7°	7629.6	7481.4	7199.1	6925.8	6693.4	6469.1	6555.5	4775.3	1059.1	118.2	26.6
-9°	7462.9	7307.8	7056.4	6784.5	6570.9	6391.3	6469.1	4699.3	1032.9	117.3	26.6
-11°	7292.8	7132.9	6882.0	6629.4	6425.7	6269.3	6378.0	4614.2	1003.7	117.3	27.1
-13°	7089.1	6943.0	6715.3	6488.0	6292.5	6176.9	6280.0	4506.8	968.0	117.7	27.1
-15°	6932.3	6776.3	6558.0	6345.3	6167.9	6082.0	6165.7	4369.7	934.1	118.6	27.5
-17°	6745.4	6610.5	6411.1	6212.6	6052.3	5990.4	6051.5	4230.9	890.3	119.0	27.5
-19.5°	6380.6	6257.7	6131.4	6000.8	5895.5	5875.7	5905.4	4048.8	831.0	119.9	27.5
-22.5°	6135.2	6010.6	5873.1	5771.7	5699.6	5767.4	5730.1	3796.1	746.8	121.2	27.5
-25.5°	5934.2	5819.4	5681.9	5584.4	5543.2	5691.8	5568.9	3522.9	652.7	121.2	27.5
-29°	5623.9	5523.8	5400.5	5308.1	5285.8	5517.4	5256.6	3207.0	541.8	119.4	27.5
-33°	5284.1	5171.5	5046.9	4948.5	4906.8	5218.8	4741.4	2828.5	403.5	114.7	27.5
-37.5°	5067.5	4941.6	4802.4	4647.7	4553.6	4596.2	4052.6	2285.4	234.6	106.6	27.1
-42.5°	4543.7	4466.4	4295.0	4127.8	3881.2	3586.0	3021.9	1639.2	179.2	96.7	27.1
-47.5°	3004.2	2947.5	2892.5	2787.3	2552.2	2245.4	1887.1	907.9	170.6	84.6	26.6
-55°	830.1	841.7	891.6	830.5	726.1	636.3	617.4	277.1	156.8	64.9	25.4
-65°	521.2	528.5	431.0	305.1	206.2	157.7	159.8	106.1	104.4	37.8	23.6
-75°	63.6	64.0	53.7	51.1	51.6	58.9	61.4	51.1	41.2	21.5	21.9
-85°	28.8	28.4	27.5	26.6	26.2	24.9	23.2	21.1	19.3	19.8	19.8
-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):

	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)