

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: P507783

Luminaire Tested: **UFLD-CA2-180-722-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507783
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-CA2-180-722-U-66
Description: UTILITY FLOOD, 6x6 OPTIC
Light Source: (2) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

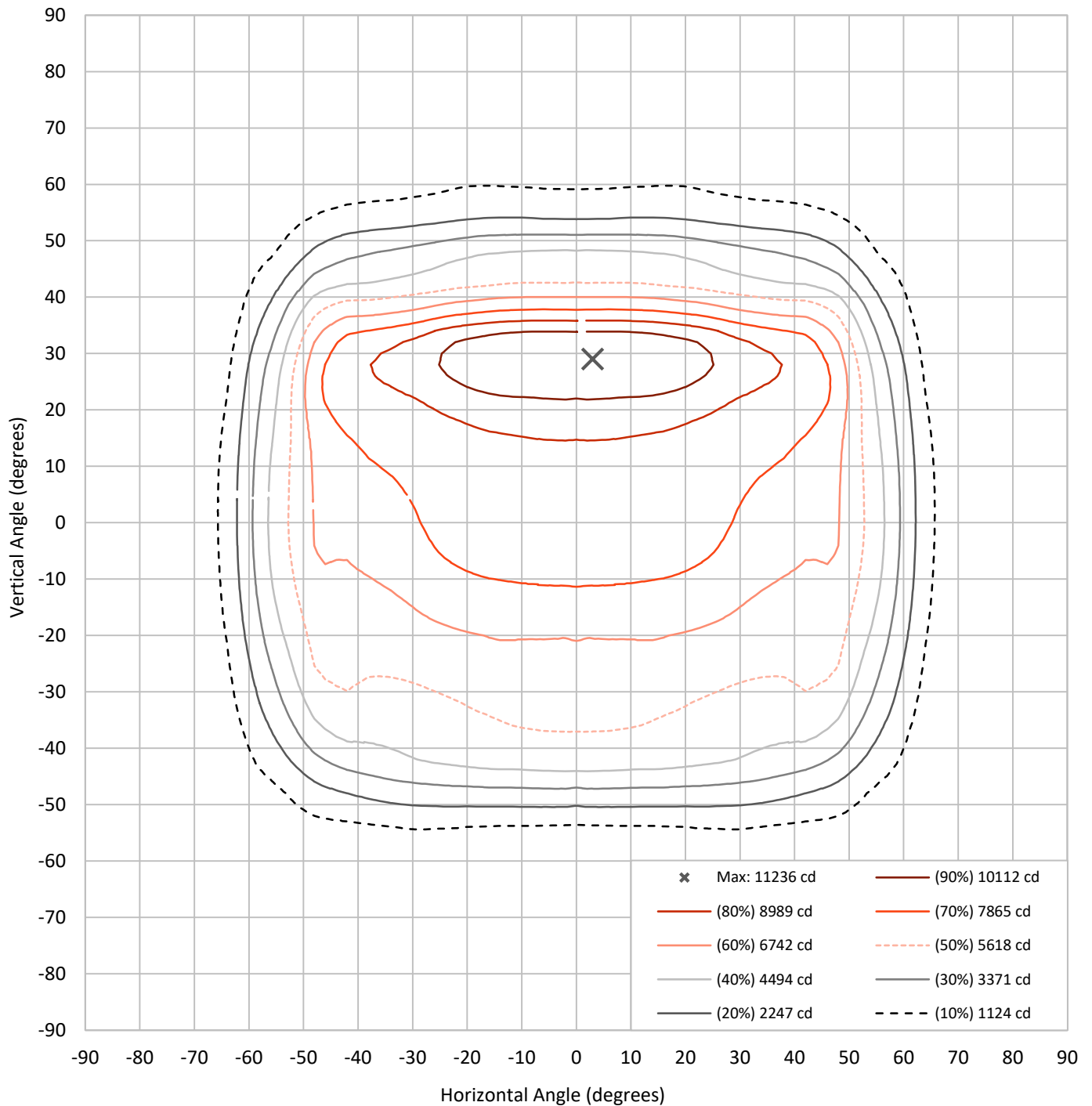
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	21054 lumens	Max Intensity:	11236 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	115.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.25' x L: 0.67' x H: 0')		
Beam Angle (50%):	102.9°H x 79.4°V	Field Angle (10%):	126.5°H x 112.9°V
Beam Lumens:	15643.1 lumens	Field Lumens:	20346.3 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

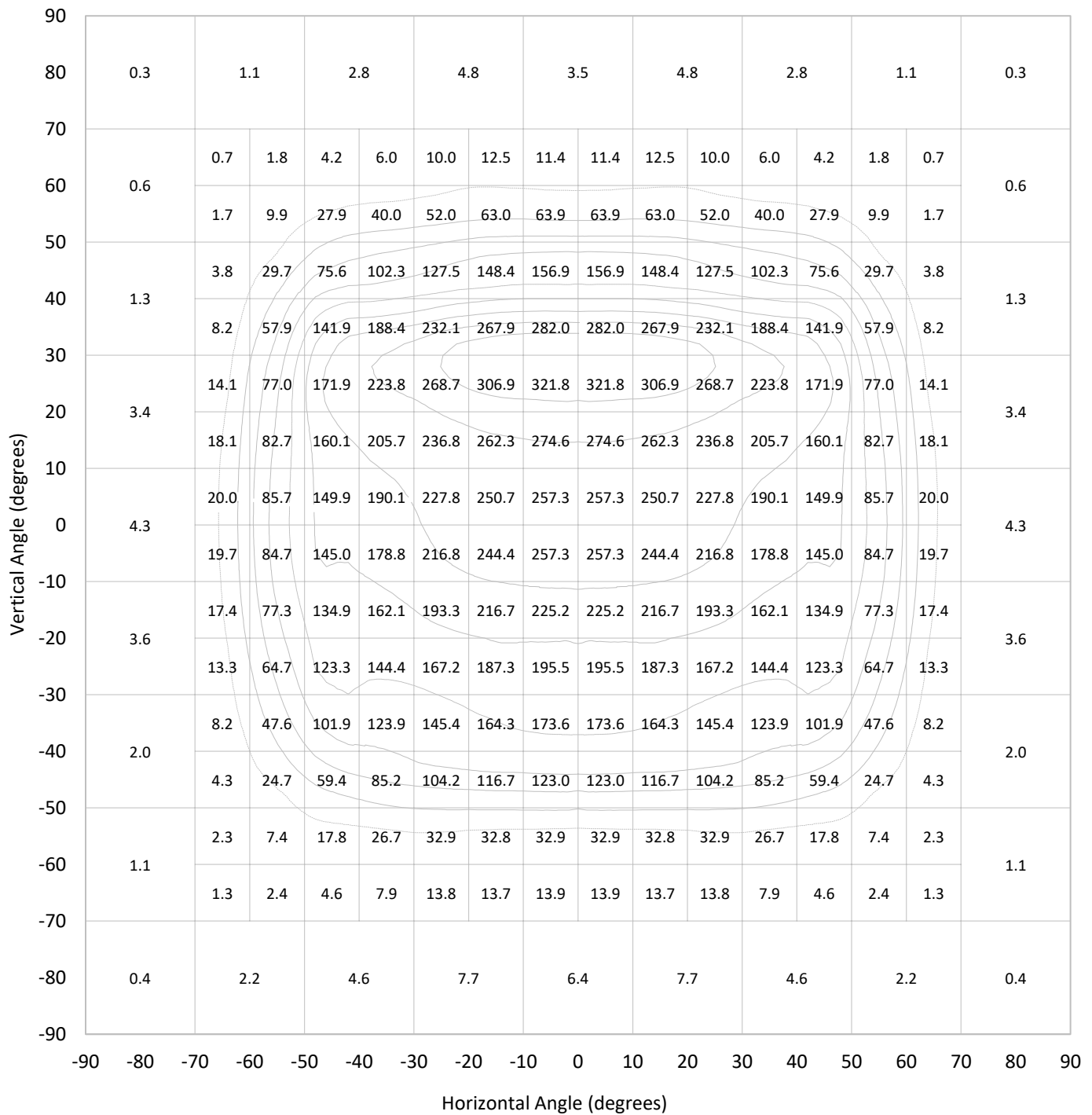




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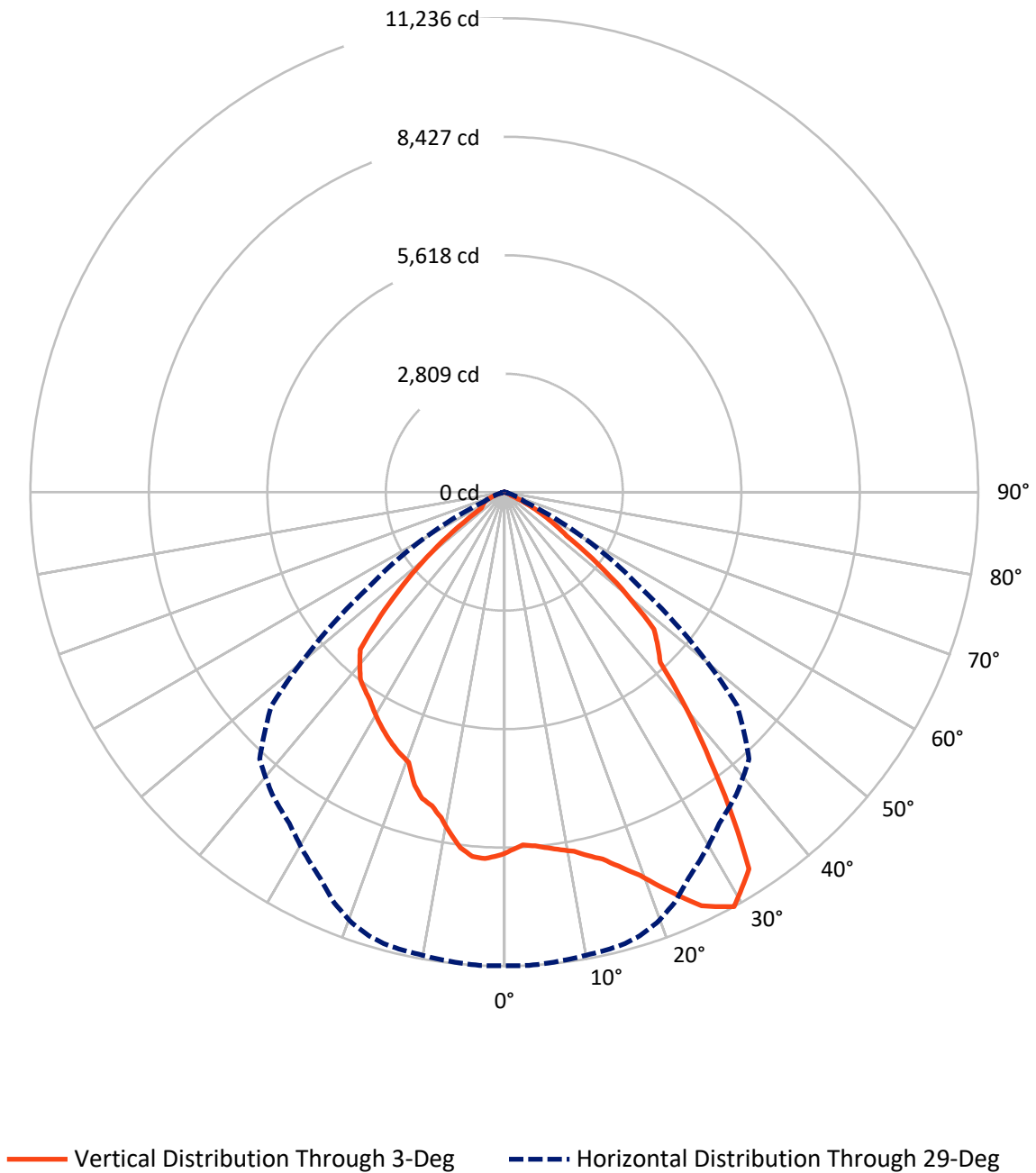
Lumen Table



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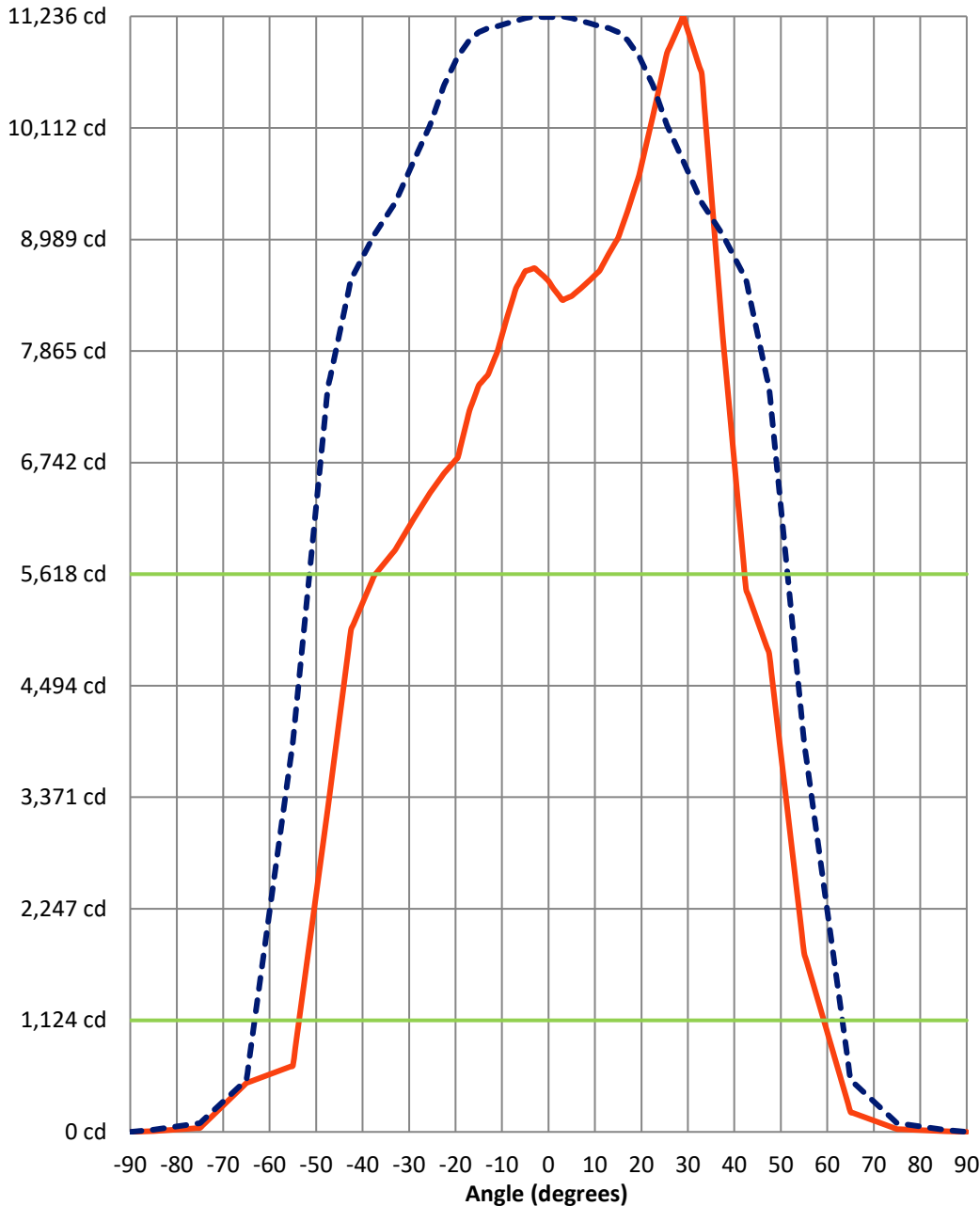
Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 102.9°
 V Angle: 79.4°
 Lumens: 15643.1
 Efficiency: 74.3%

Field:
 H Angle: 126.5°
 V Angle: 112.9°
 Lumens: 20346.3
 Efficiency: 96.6%

Spill:
 Lumens: 707.7
 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	3.6	7.6	17.8	23.1	27.1	29.8	31.1	31.6	31.6	30.2
75°	26.2	26.7	28.5	25.8	20.5	22.2	32.5	36.9	40.9	42.3	40.0
65°	202.8	201.5	200.2	198.8	193.0	184.6	181.5	199.3	244.6	291.8	314.9
55°	1770.3	1764.1	1805.9	1776.5	1834.3	1889.9	1910.0	1915.7	1922.4	1888.6	1842.8
47.5°	4799.3	4841.2	4814.9	4811.3	4781.1	4734.0	4705.5	4659.2	4618.8	4610.3	4472.0
42.5°	5507.0	5488.3	5471.0	5509.7	5487.4	5506.1	5503.9	5456.7	5423.8	5356.2	5288.6
37.5°	7981.4	7995.2	8012.5	8016.1	8026.8	7981.8	7950.7	7917.8	7854.6	7747.0	7592.7
33°	10656.4	10680.9	10651.5	10649.7	10673.3	10662.6	10616.8	10574.1	10480.3	10353.9	10210.7
29°	11229.7	11228.4	11236.0	11218.2	11191.0	11164.8	11136.3	11117.2	11076.3	10997.6	10833.4
25.5°	10848.1	10854.3	10867.2	10857.0	10822.8	10803.6	10779.2	10745.8	10674.6	10590.1	10450.5
22.5°	10208.9	10257.9	10238.7	10225.8	10196.5	10149.8	10159.1	10127.5	10072.4	9986.1	9839.3
19.5°	9615.6	9640.0	9635.2	9599.6	9581.3	9543.1	9525.3	9502.2	9455.5	9402.1	9302.0
17°	9235.7	9281.1	9271.3	9249.5	9221.0	9195.7	9163.7	9144.1	9105.8	9047.1	8925.7
15°	9010.2	9030.7	9006.7	9002.2	9006.2	8956.0	8935.5	8885.7	8873.7	8824.3	8717.1
13°	8819.8	8830.1	8846.1	8820.7	8816.3	8798.5	8755.8	8734.9	8693.1	8673.1	8595.7
11°	8670.4	8740.2	8674.4	8692.6	8672.2	8669.5	8645.5	8633.9	8602.8	8572.1	8524.5
9°	8592.6	8604.6	8583.7	8582.8	8573.4	8556.5	8550.7	8549.9	8543.6	8526.7	8497.4
7°	8497.4	8507.6	8497.8	8488.0	8480.9	8473.8	8493.8	8500.5	8529.4	8505.4	8477.4
5°	8432.4	8422.6	8419.1	8417.3	8435.1	8435.1	8474.2	8496.5	8523.6	8531.2	8494.7
3°	8376.8	8388.8	8378.2	8391.1	8426.2	8444.9	8497.4	8529.8	8547.6	8548.1	8533.4
1°	8463.1	8492.5	8498.3	8507.2	8520.1	8531.6	8570.8	8599.7	8580.5	8581.4	8521.8
0°	8544.1	8555.6	8570.8	8560.5	8577.4	8587.7	8615.7	8621.5	8613.9	8580.1	8500.0
-1°	8629.0	8626.4	8617.9	8616.1	8620.1	8608.1	8623.7	8604.6	8581.9	8551.6	8476.5
-3°	8690.0	8712.2	8700.2	8686.4	8642.8	8642.8	8625.5	8554.3	8523.6	8492.0	8386.2
-5°	8638.8	8667.3	8669.1	8625.0	8557.4	8539.6	8484.5	8441.8	8388.4	8336.8	8230.0
-7°	8524.9	8509.8	8496.5	8439.5	8395.1	8353.3	8279.9	8205.6	8191.8	8142.9	8049.0
-9°	8210.9	8221.6	8190.0	8174.9	8126.0	8071.7	8050.3	7997.4	7969.4	7925.8	7839.5
-11°	7899.1	7856.4	7859.5	7870.2	7835.5	7836.0	7812.8	7780.8	7776.8	7735.4	7662.5
-13°	7653.1	7650.0	7629.1	7646.9	7640.2	7641.1	7619.3	7615.3	7607.8	7579.3	7481.0
-15°	7490.8	7517.0	7519.7	7504.6	7508.1	7499.7	7491.7	7472.6	7466.8	7421.9	7319.1
-17°	7254.6	7263.5	7265.7	7264.4	7253.3	7262.2	7272.0	7264.4	7236.4	7202.1	7119.4
-19.5°	6817.8	6782.2	6794.7	6807.1	6810.7	6810.3	6824.5	6848.5	6826.3	6781.3	6712.8
-22.5°	6662.1	6654.6	6631.5	6639.0	6635.5	6624.3	6624.3	6626.1	6613.2	6566.1	6472.7
-25.5°	6428.6	6439.3	6435.7	6430.8	6430.0	6409.9	6410.8	6413.9	6388.6	6336.6	6252.5
-29°	6171.1	6178.2	6175.5	6163.5	6147.1	6111.0	6095.9	6062.1	6017.2	5988.3	5920.2
-33°	5878.0	5860.2	5861.1	5859.3	5837.5	5816.6	5791.2	5749.0	5702.7	5666.7	5594.6
-37.5°	5601.8	5612.0	5602.6	5605.8	5593.3	5572.4	5549.7	5517.7	5472.3	5420.3	5348.7
-42.5°	5074.2	5066.7	5055.1	5029.7	5019.5	4971.0	4941.2	4942.1	4931.9	4892.3	4824.2
-47.5°	3150.0	3233.7	3252.8	3236.3	3220.3	3213.6	3179.8	3177.2	3179.8	3158.5	3106.0
-55°	650.7	648.5	667.2	680.5	708.1	718.8	724.1	704.6	726.4	771.3	793.1
-65°	501.3	499.5	492.4	491.9	485.3	482.6	482.2	477.7	480.8	494.2	509.3
-75°	39.1	39.1	39.6	35.1	32.5	36.5	47.6	51.2	56.5	54.3	60.5
-85°	1.3	4.0	8.0	18.7	24.0	27.6	30.2	31.6	31.6	31.1	30.7
-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):

	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°	28.0	26.2	24.9	23.1	20.0	16.9	14.7	12.5	14.2	12.5	15.1
75°	36.0	36.5	45.8	57.4	51.6	34.7	24.0	20.0	26.2	15.1	16.5
65°	274.4	177.0	109.9	82.7	67.2	56.9	69.8	52.9	48.9	24.5	17.3
55°	1729.4	1614.2	1529.7	1422.0	1386.9	1287.7	1041.7	423.9	77.8	39.6	18.7
47.5°	4322.1	4128.6	3910.2	3665.6	3454.7	3162.9	2591.4	1133.8	93.4	51.2	20.0
42.5°	5170.7	4950.6	4818.5	4640.1	4442.6	4377.2	3941.8	1952.7	96.1	58.3	20.5
37.5°	7460.5	7214.1	6874.8	6612.8	6405.5	6375.7	5559.5	2756.4	153.0	67.2	21.4
33°	9935.8	9574.7	9106.7	8702.4	8350.1	8033.9	6812.0	3403.6	356.3	77.4	21.8
29°	10539.0	10139.6	9778.8	9358.9	9035.1	8585.9	7483.7	3929.3	524.0	88.5	22.2
25.5°	10164.9	9865.6	9514.6	9184.6	8942.2	8628.6	7773.7	4223.3	659.6	98.7	22.7
22.5°	9612.9	9350.0	9058.3	8848.3	8716.7	8474.2	7751.4	4386.1	767.7	107.6	23.1
19.5°	9128.1	8944.8	8709.1	8579.2	8522.3	8230.9	7527.7	4549.4	865.1	117.0	23.6
17°	8792.7	8634.8	8479.1	8417.7	8360.8	7984.5	7324.0	4663.7	944.7	121.9	24.0
15°	8596.6	8482.2	8370.6	8326.6	8219.4	7767.9	7188.3	4739.7	1000.3	125.9	24.5
13°	8502.7	8427.5	8327.9	8244.3	8061.5	7572.2	7088.3	4829.1	1045.7	129.4	24.5
11°	8451.1	8381.3	8247.8	8124.2	7867.1	7399.2	7029.1	4906.1	1083.1	131.2	24.9
9°	8421.8	8337.7	8174.9	7956.9	7708.3	7248.8	6994.0	4961.7	1114.2	132.1	25.4
7°	8431.1	8293.2	8081.0	7830.6	7563.7	7156.3	6963.3	5002.2	1135.6	131.7	25.8
5°	8428.0	8248.3	8004.1	7747.4	7452.1	7070.0	6939.7	5034.2	1145.3	130.3	26.2
3°	8411.5	8226.0	7935.1	7626.0	7352.5	7001.1	6929.0	5054.7	1154.2	129.0	26.2
1°	8385.3	8172.2	7846.6	7557.5	7282.6	6936.1	6917.5	5063.1	1152.0	127.7	26.2
0°	8359.0	8146.4	7817.7	7521.9	7250.6	6901.0	6900.6	5084.5	1148.0	126.8	26.2
-1°	8316.3	8090.8	7767.0	7469.0	7208.8	6907.2	6901.4	5065.3	1143.6	125.4	26.7
-3°	8199.4	7988.5	7683.4	7389.8	7132.3	6861.9	6886.3	5046.6	1135.6	124.1	27.1
-5°	8066.8	7862.6	7589.1	7297.8	7043.8	6793.8	6851.6	4994.2	1116.9	123.2	27.1
-7°	7898.2	7744.8	7452.5	7169.7	6929.0	6696.8	6786.2	4943.5	1096.4	122.3	27.6
-9°	7725.6	7565.1	7304.9	7023.3	6802.3	6616.3	6696.8	4864.7	1069.3	121.4	27.6
-11°	7549.5	7384.0	7124.3	6862.7	6651.9	6490.0	6602.5	4776.7	1039.0	121.4	28.0
-13°	7338.7	7187.4	6951.7	6716.4	6514.0	6394.4	6501.1	4665.5	1002.1	121.9	28.0
-15°	7176.3	7014.9	6788.9	6568.7	6385.0	6296.1	6382.8	4523.6	967.0	122.8	28.5
-17°	6982.8	6843.2	6636.8	6431.3	6265.4	6201.3	6264.5	4379.9	921.6	123.2	28.5
-19.5°	6605.2	6478.0	6347.2	6212.0	6103.0	6082.6	6113.3	4191.3	860.2	124.1	28.5
-22.5°	6351.2	6222.2	6079.9	5974.9	5900.2	5970.5	5931.8	3929.8	773.1	125.4	28.5
-25.5°	6143.1	6024.3	5882.0	5781.0	5738.3	5892.2	5765.0	3646.9	675.6	125.4	28.5
-29°	5821.9	5718.3	5590.6	5495.0	5471.9	5711.6	5441.6	3320.0	560.9	123.7	28.5
-33°	5470.1	5353.6	5224.6	5122.7	5079.6	5402.5	4908.3	2928.1	417.7	118.8	28.5
-37.5°	5245.9	5115.6	4971.5	4811.3	4713.9	4758.0	4195.3	2365.9	242.9	110.3	28.0
-42.5°	4703.7	4623.6	4446.2	4273.1	4017.8	3712.3	3128.2	1696.9	185.5	100.1	28.0
-47.5°	3110.0	3051.3	2994.4	2885.4	2642.1	2324.5	1953.5	939.9	176.6	87.6	27.6
-55°	859.3	871.4	923.0	859.8	751.7	658.7	639.2	286.9	162.4	67.2	26.2
-65°	539.5	547.1	446.1	315.8	213.5	163.2	165.5	109.9	108.1	39.1	24.5
-75°	65.8	66.3	55.6	52.9	53.4	60.9	63.6	52.9	42.7	22.2	22.7
-85°	29.8	29.4	28.5	27.6	27.1	25.8	24.0	21.8	20.0	20.5	20.5
-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):

	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)