

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: P507826

Luminaire Tested: **UFLD-L-CA4-320-727-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507826
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-L-CA4-320-727-U-66
Description: UTILITY FLOOD LARGE, 6x6 OPTIC
Light Source: (4) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	39632 lumens	Max Intensity:	21150.6 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	122.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.33' x L: 1.42' 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:	29446.6 lumens	Field Lumens:	38299.7 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%

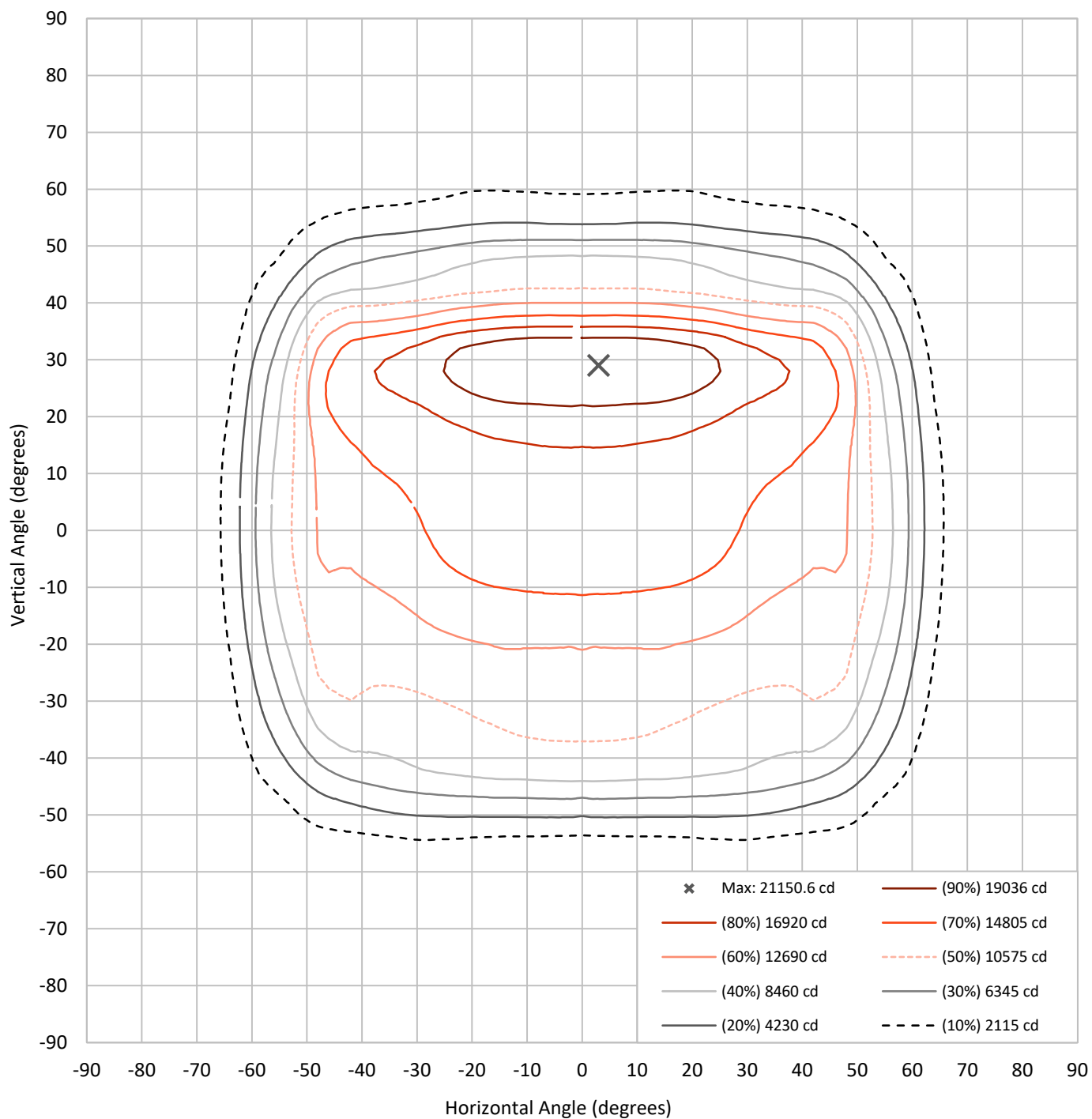
Input Watts (W): 322.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Candela Plot

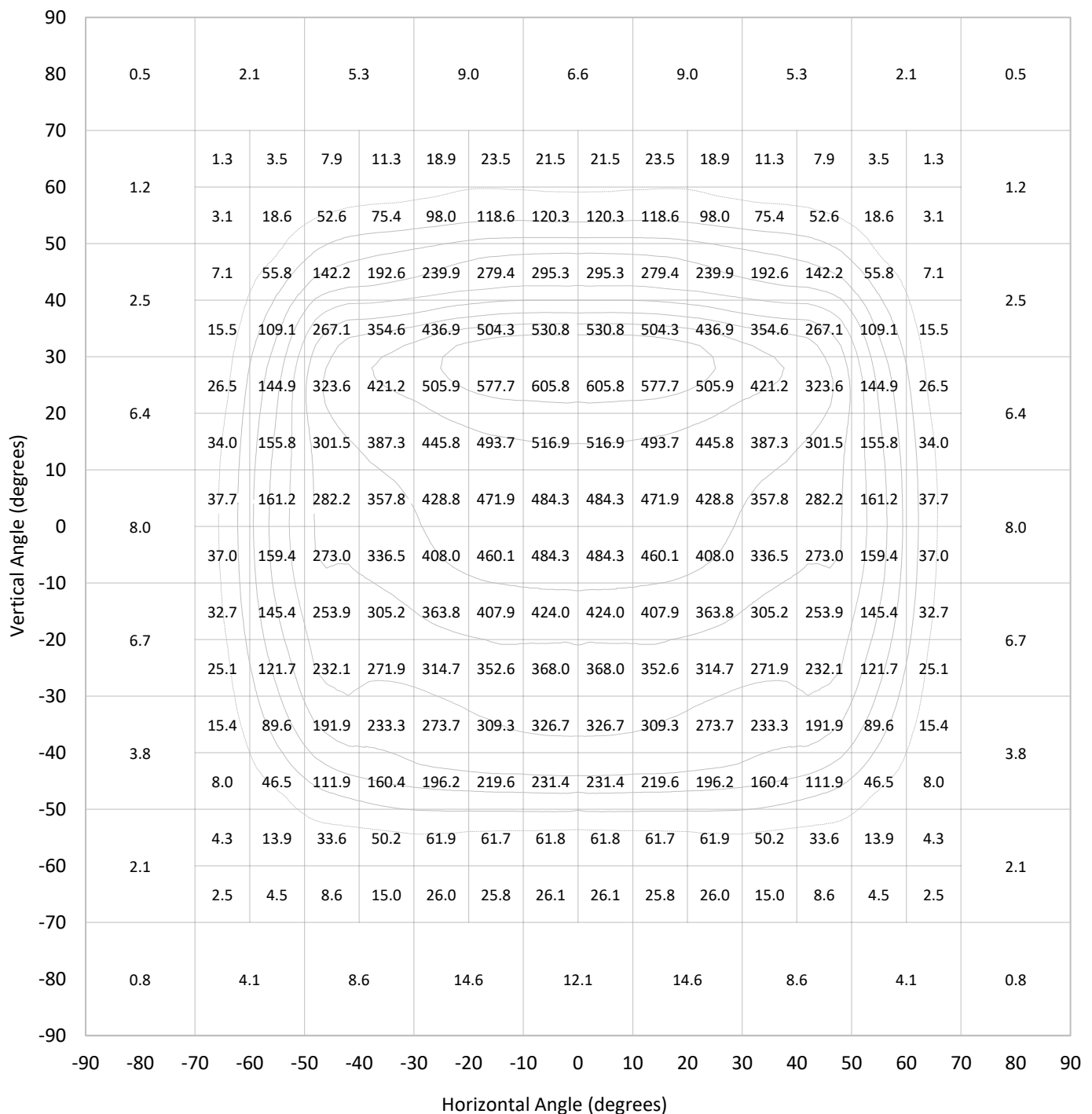




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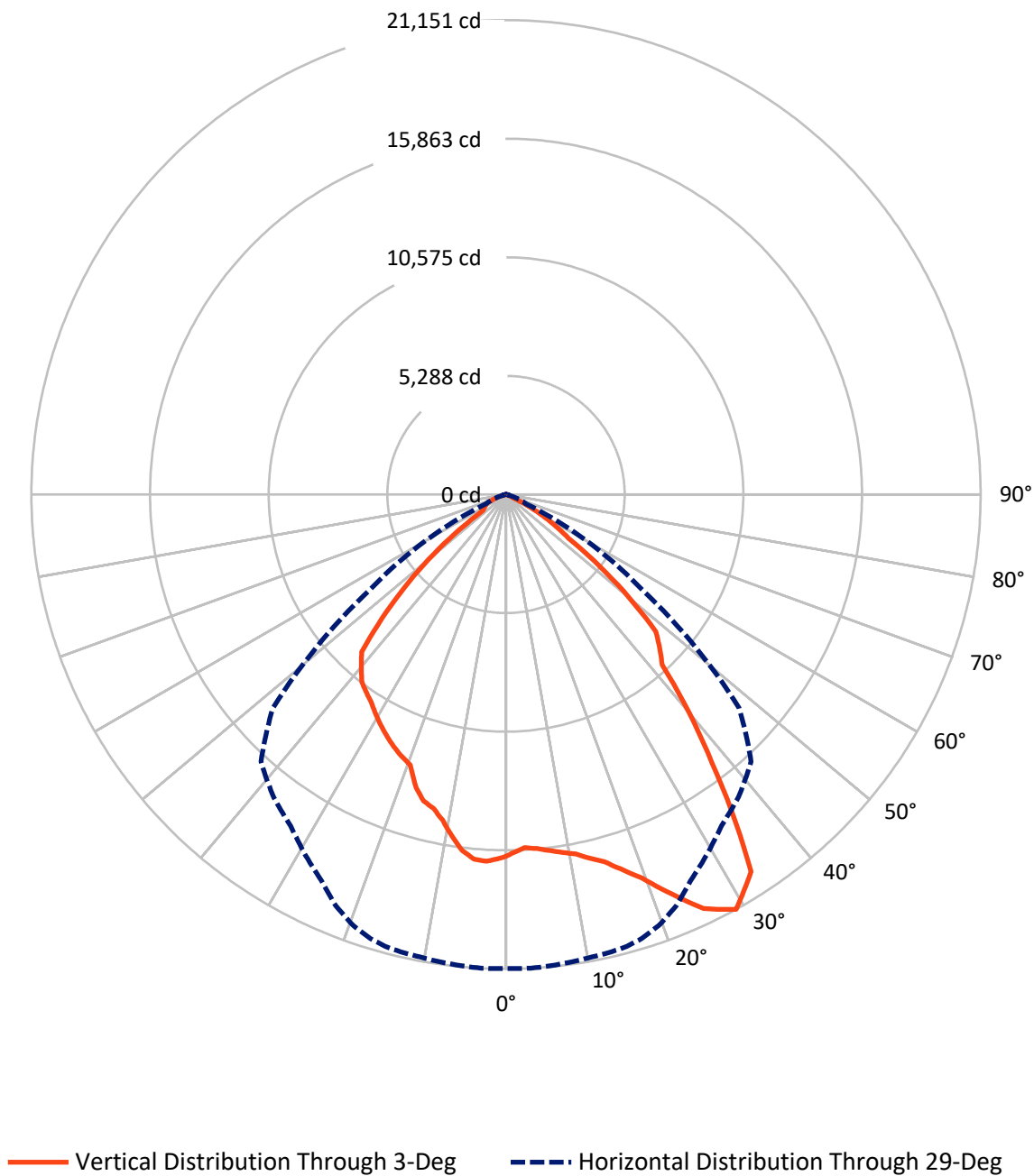
Lumen Table



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Luminous Intensity Polar Plot

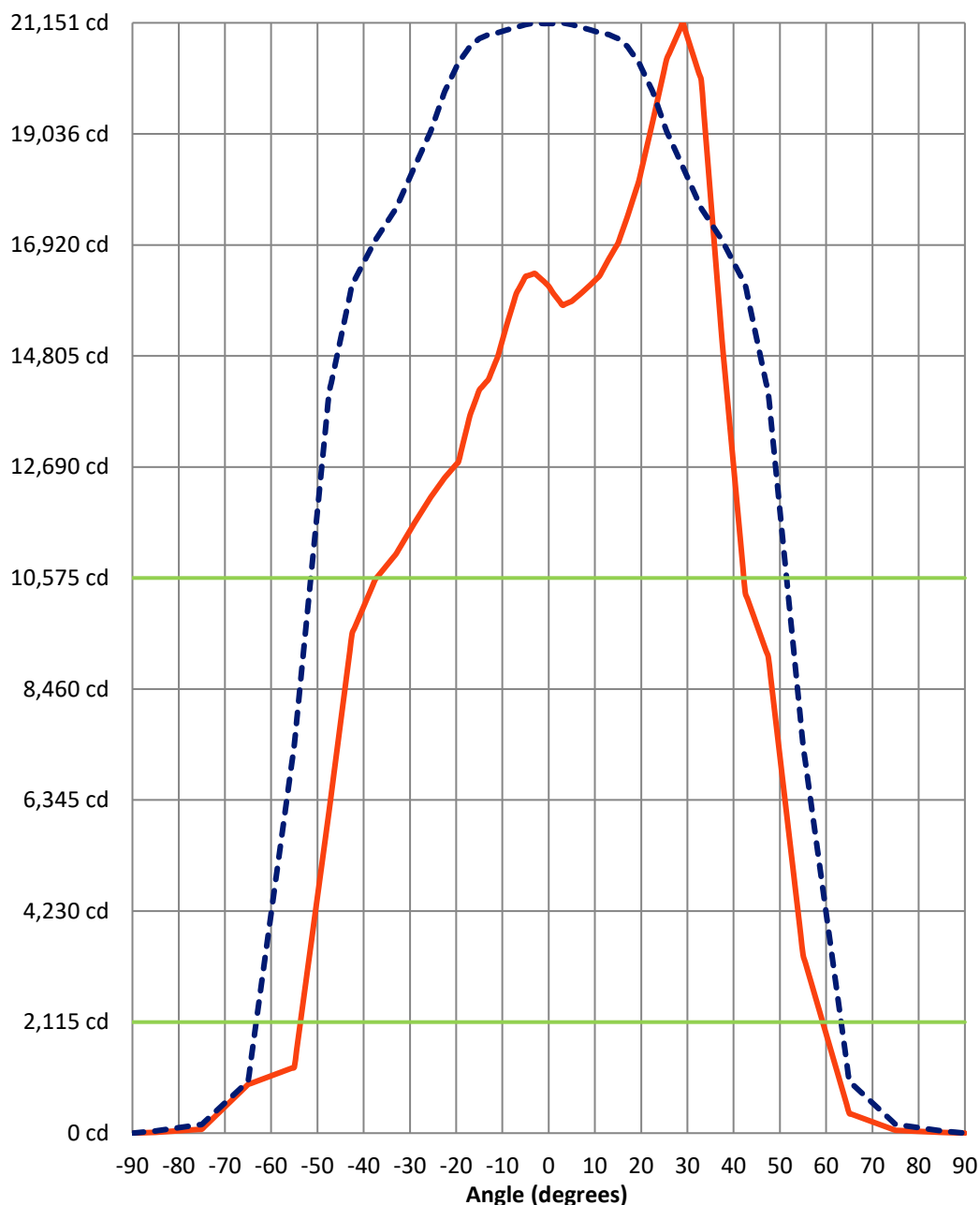




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Luminous Intensity Plot



Beam:
H Angle: 102.9°
V Angle: 79.4°
Lumens: 29446.6
Efficiency: 74.3%

Field:
H Angle: 126.5°
V Angle: 112.9°
Lumens: 38299.7
Efficiency: 96.6%

Spill:
Lumens: 1332.3
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°	0.8	6.7	14.2	33.5	43.5	51.1	56.1	58.6	59.4	59.4	56.9
75°	49.4	50.2	53.6	48.6	38.5	41.9	61.1	69.5	77.0	79.5	75.4
65°	381.8	379.3	376.8	374.3	363.4	347.5	341.6	375.1	460.5	549.3	592.8
55°	3332.4	3320.7	3399.4	3344.1	3452.9	3557.6	3595.3	3606.2	3618.7	3555.1	3468.9
47.5°	9034.3	9113.0	9063.6	9056.9	8999.9	8911.2	8857.6	8770.5	8694.3	8678.4	8418.0
42.5°	10366.4	10331.2	10298.6	10371.4	10329.5	10364.7	10360.5	10271.8	10209.8	10082.5	9955.3
37.5°	15024.2	15050.1	15082.8	15089.5	15109.6	15025.0	14966.4	14904.4	14785.6	14582.9	14292.4
33°	20059.6	20105.6	20050.4	20047.0	20091.4	20071.3	19985.1	19904.7	19728.0	19490.2	19220.6
29°	21138.8	21136.3	21150.6	21117.1	21066.0	21016.6	20963.0	20927.0	20850.0	20701.8	20392.8
25.5°	20420.5	20432.2	20456.5	20437.2	20372.7	20336.7	20290.7	20227.9	20093.9	19934.8	19671.9
22.5°	19217.3	19309.4	19273.4	19249.1	19193.8	19105.9	19123.5	19064.1	18960.2	18797.8	18521.5
19.5°	18100.3	18146.4	18137.2	18070.2	18035.9	17963.9	17930.4	17886.8	17798.9	17698.5	17510.1
17°	17385.3	17470.7	17452.3	17411.3	17357.7	17310.0	17249.7	17212.8	17140.8	17030.3	16801.7
15°	16960.8	16999.3	16954.1	16945.7	16953.3	16858.7	16820.1	16726.4	16703.8	16610.8	16409.0
13°	16602.5	16621.7	16651.9	16604.1	16595.8	16562.3	16481.9	16442.5	16363.8	16326.2	16180.5
11°	16321.1	16452.6	16328.7	16363.0	16324.5	16319.5	16274.2	16252.5	16193.9	16136.1	16046.5
9°	16174.6	16197.2	16157.9	16156.2	16138.6	16106.8	16095.9	16094.2	16082.5	16050.7	15995.4
7°	15995.4	16014.7	15996.3	15977.8	15964.4	15951.0	15988.7	16001.3	16055.7	16010.5	15957.7
5°	15873.2	15854.8	15848.1	15844.7	15878.2	15878.2	15951.9	15993.7	16044.8	16059.1	15990.4
3°	15768.5	15791.1	15771.0	15795.3	15861.5	15896.6	15995.4	16056.5	16090.0	16090.9	16063.2
1°	15931.0	15986.2	15997.1	16013.8	16038.1	16059.9	16133.6	16188.0	16152.0	16153.7	16041.5
0°	16083.3	16105.1	16133.6	16114.3	16146.1	16165.4	16218.1	16229.0	16214.8	16151.2	16000.4
-1°	16243.3	16238.2	16222.3	16219.0	16226.5	16203.9	16233.2	16197.2	16154.5	16097.6	15956.1
-3°	16358.0	16399.8	16377.2	16351.3	16269.2	16269.2	16236.6	16102.6	16044.8	15985.4	15786.1
-5°	16261.7	16315.3	16318.6	16235.7	16108.5	16075.0	15971.1	15890.8	15790.3	15693.2	15492.2
-7°	16047.3	16018.9	15993.7	15886.6	15802.8	15724.1	15586.0	15446.2	15420.2	15328.1	15151.4
-9°	15456.2	15476.3	15416.9	15388.4	15296.3	15194.1	15154.0	15054.3	15001.6	14919.5	14757.1
-11°	14869.3	14788.9	14794.8	14814.9	14749.5	14750.4	14706.8	14646.6	14639.0	14561.2	14423.8
-13°	14406.3	14400.4	14361.1	14394.5	14382.0	14383.7	14342.6	14335.1	14320.9	14267.3	14082.2
-15°	14100.7	14150.1	14155.1	14126.6	14133.3	14117.4	14102.3	14066.3	14055.4	13970.9	13777.5
-17°	13656.1	13672.8	13677.0	13674.5	13653.5	13670.3	13688.7	13674.5	13621.7	13557.3	13401.5
-19.5°	12833.8	12766.9	12790.3	12813.8	12820.5	12819.6	12846.4	12891.6	12849.8	12765.2	12636.3
-22.5°	12540.8	12526.6	12483.0	12497.3	12490.6	12469.6	12469.6	12473.0	12448.7	12359.9	12184.1
-25.5°	12101.2	12121.3	12114.6	12105.4	12103.7	12066.1	12067.7	12073.6	12025.9	11927.9	11769.7
-29°	11616.4	11629.8	11624.8	11602.2	11571.2	11503.4	11474.9	11411.3	11326.7	11272.3	11144.2
-33°	11064.7	11031.2	11032.9	11029.5	10988.5	10949.1	10901.4	10821.9	10734.8	10667.0	10531.3
-37.5°	10544.7	10564.0	10546.4	10552.3	10528.8	10489.5	10446.8	10386.5	10301.1	10203.1	10068.3
-42.5°	9551.7	9537.5	9515.7	9468.0	9448.7	9357.5	9301.4	9303.0	9283.8	9209.3	9081.2
-47.5°	5929.6	6087.0	6123.0	6092.1	6061.9	6049.4	5985.7	5980.7	5985.7	5945.5	5846.7
-55°	1224.9	1220.8	1255.9	1281.0	1333.0	1353.0	1363.1	1326.3	1367.3	1451.8	1492.9
-65°	943.6	940.3	926.9	926.0	913.5	908.5	907.6	899.2	905.1	930.2	958.7
-75°	73.7	73.7	74.5	66.1	61.1	68.7	89.6	96.3	106.3	102.1	113.9
-85°	2.5	7.5	15.1	35.2	45.2	51.9	56.9	59.4	59.4	58.6	57.8
-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°	52.7	49.4	46.9	43.5	37.7	31.8	27.6	23.4	26.8	23.4	28.5
75°	67.8	68.7	86.2	108.0	97.1	65.3	45.2	37.7	49.4	28.5	31.0
65°	516.6	333.2	206.8	155.7	126.4	107.2	131.5	99.6	92.1	46.1	32.7
55°	3255.4	3038.5	2879.4	2676.8	2610.6	2423.9	1960.9	797.9	146.5	74.5	35.2
47.5°	8135.9	7771.6	7360.5	6900.0	6503.2	5953.9	4878.0	2134.2	175.8	96.3	37.7
42.5°	9733.4	9318.9	9070.3	8734.5	8362.8	8239.7	7420.0	3675.7	180.9	109.7	38.5
37.5°	14043.7	13579.9	12941.0	12447.9	12057.7	12001.6	10465.2	5188.6	288.0	126.4	40.2
33°	18703.2	18023.3	17142.5	16381.4	15718.3	15123.0	12823.0	6406.9	670.7	145.7	41.0
29°	19838.5	19086.7	18407.6	17617.2	17007.7	16162.0	14087.3	7396.5	986.3	166.6	41.9
25.5°	19134.4	18570.9	17910.3	17289.0	16832.7	16242.4	14633.2	7950.0	1241.7	185.9	42.7
22.5°	18095.3	17600.5	17051.2	16656.0	16408.2	15951.9	14591.3	8256.4	1445.1	202.6	43.5
19.5°	17182.7	16837.7	16394.0	16149.5	16042.3	15493.9	14170.2	8563.7	1628.5	220.2	44.4
17°	16551.4	16254.1	15961.1	15845.6	15738.4	15030.0	13786.7	8778.9	1778.4	229.4	45.2
15°	16182.1	15967.0	15756.8	15673.9	15472.1	14622.3	13531.3	8922.1	1883.0	237.0	46.1
13°	16005.5	15864.0	15676.4	15519.0	15174.9	14253.9	13342.9	9090.4	1968.4	243.6	46.1
11°	15908.3	15776.9	15525.7	15292.9	14809.0	13928.2	13231.6	9235.2	2038.8	247.0	46.9
9°	15853.1	15694.8	15388.4	14978.1	14510.1	13645.2	13165.4	9339.9	2097.4	248.7	47.7
7°	15870.7	15611.1	15211.7	14740.3	14238.0	13471.0	13107.6	9416.1	2137.6	247.8	48.6
5°	15864.8	15526.5	15066.9	14583.8	14027.8	13308.6	13063.3	9476.4	2156.0	245.3	49.4
3°	15833.8	15484.7	14937.1	14355.2	13840.3	13178.8	13043.2	9514.9	2172.7	242.8	49.4
1°	15784.4	15383.4	14770.5	14226.2	13708.8	13056.6	13021.4	9530.8	2168.6	240.3	49.4
0°	15735.0	15334.8	14716.1	14159.3	13648.5	12990.4	12989.6	9571.0	2161.0	238.6	49.4
-1°	15654.7	15230.1	14620.6	14059.6	13569.8	13002.1	12991.3	9535.0	2152.7	236.1	50.2
-3°	15434.4	15037.6	14463.2	13910.6	13425.8	12916.7	12962.8	9499.8	2137.6	233.6	51.1
-5°	15184.9	14800.6	14285.7	13737.3	13259.2	12788.6	12897.5	9401.0	2102.4	231.9	51.1
-7°	14867.6	14578.7	14028.6	13496.1	13043.2	12606.1	12774.4	9305.5	2063.9	230.3	51.9
-9°	14542.7	14240.5	13750.7	13220.7	12804.5	12454.6	12606.1	9157.3	2012.8	228.6	51.9
-11°	14211.2	13899.7	13410.7	12918.4	12521.5	12216.8	12428.6	8991.6	1955.9	228.6	52.7
-13°	13814.3	13529.6	13085.9	12642.9	12262.0	12036.8	12237.7	8782.2	1886.4	229.4	52.7
-15°	13508.7	13204.8	12779.4	12365.0	12019.2	11851.7	12015.0	8515.2	1820.2	231.1	53.6
-17°	13144.5	12881.6	12493.1	12106.3	11793.9	11673.4	11792.3	8244.7	1734.8	231.9	53.6
-19.5°	12433.6	12194.2	11948.0	11693.5	11488.3	11449.8	11507.6	7889.7	1619.3	233.6	53.6
-22.5°	11955.5	11712.7	11444.8	11247.2	11106.5	11238.8	11166.0	7397.4	1455.2	236.1	53.6
-25.5°	11563.7	11340.1	11072.2	10882.1	10801.8	11091.5	10852.0	6864.9	1271.8	236.1	53.6
-29°	10959.2	10764.1	10523.8	10343.8	10300.2	10751.5	10243.3	6249.5	1055.8	232.8	53.6
-33°	10296.9	10077.5	9834.7	9643.0	9561.8	10169.6	9239.4	5511.8	786.2	223.6	53.6
-37.5°	9874.9	9629.6	9358.3	9056.9	8873.5	8956.4	7897.2	4453.5	457.2	207.6	52.7
-42.5°	8854.3	8703.5	8369.5	8043.8	7563.2	6988.0	5888.6	3194.2	349.1	188.4	52.7
-47.5°	5854.3	5743.8	5636.6	5431.4	4973.5	4375.6	3677.3	1769.2	332.4	164.9	51.9
-55°	1617.6	1640.2	1737.4	1618.5	1415.0	1240.0	1203.2	540.0	305.6	126.4	49.4
-65°	1015.6	1029.9	839.8	594.5	401.9	307.3	311.5	206.8	203.5	73.7	46.1
-75°	123.9	124.8	104.7	99.6	100.5	114.7	119.7	99.6	80.4	41.9	42.7
-85°	56.1	55.3	53.6	51.9	51.1	48.6	45.2	41.0	37.7	38.5	38.5
-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)