

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: P507812

Luminaire Tested: **UFLD-L-CA4-180-760-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507812
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-CA4-180-760-U-66
Description: UTILITY FLOOD LARGE, 6x6 OPTIC
Light Source: (4) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	28477 lumens	Max Intensity:	15197.4 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	160.0 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:	21158.4 lumens	Field Lumens:	27519.7 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%

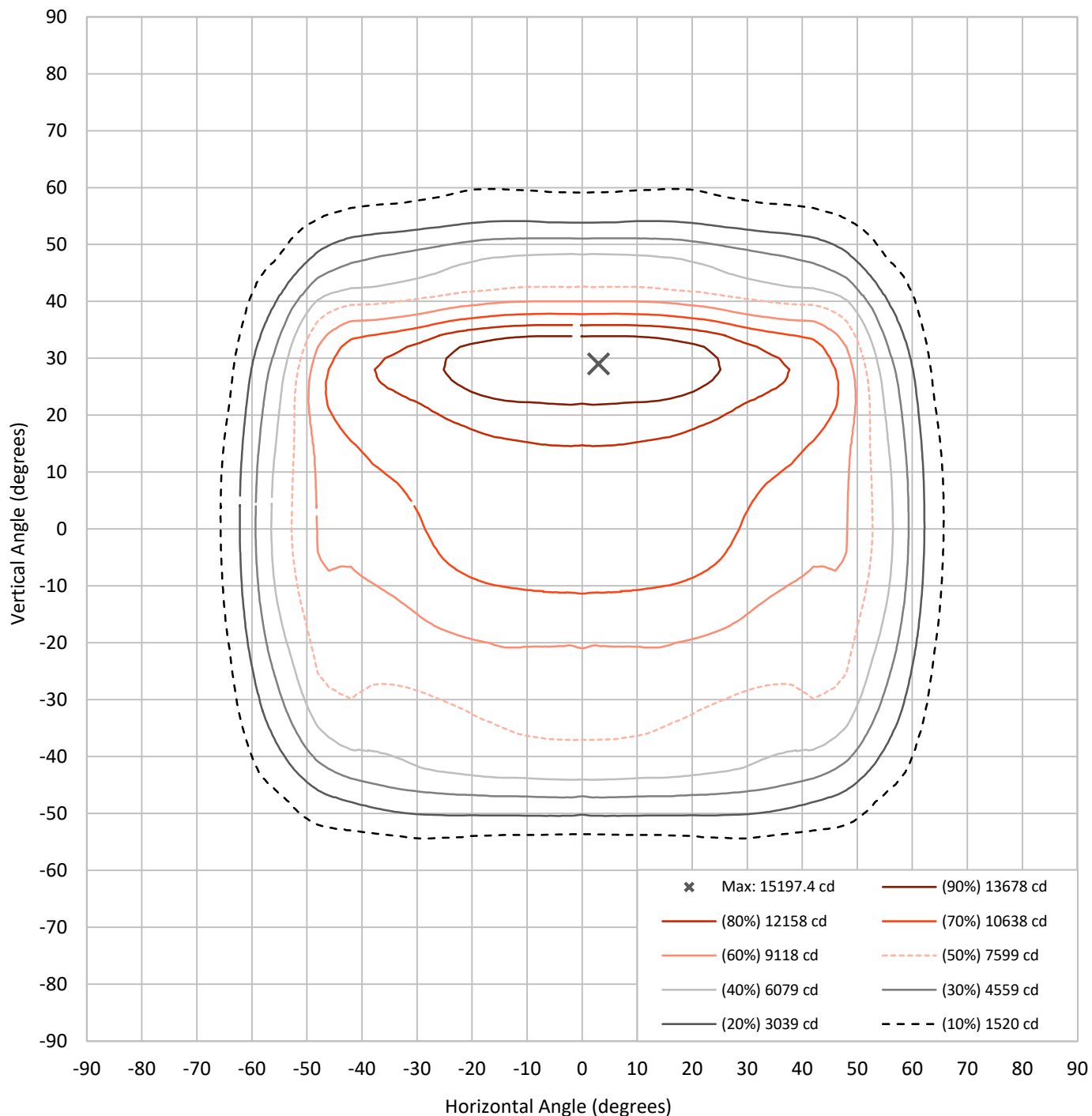
Input Watts (W): 178
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Candela Plot

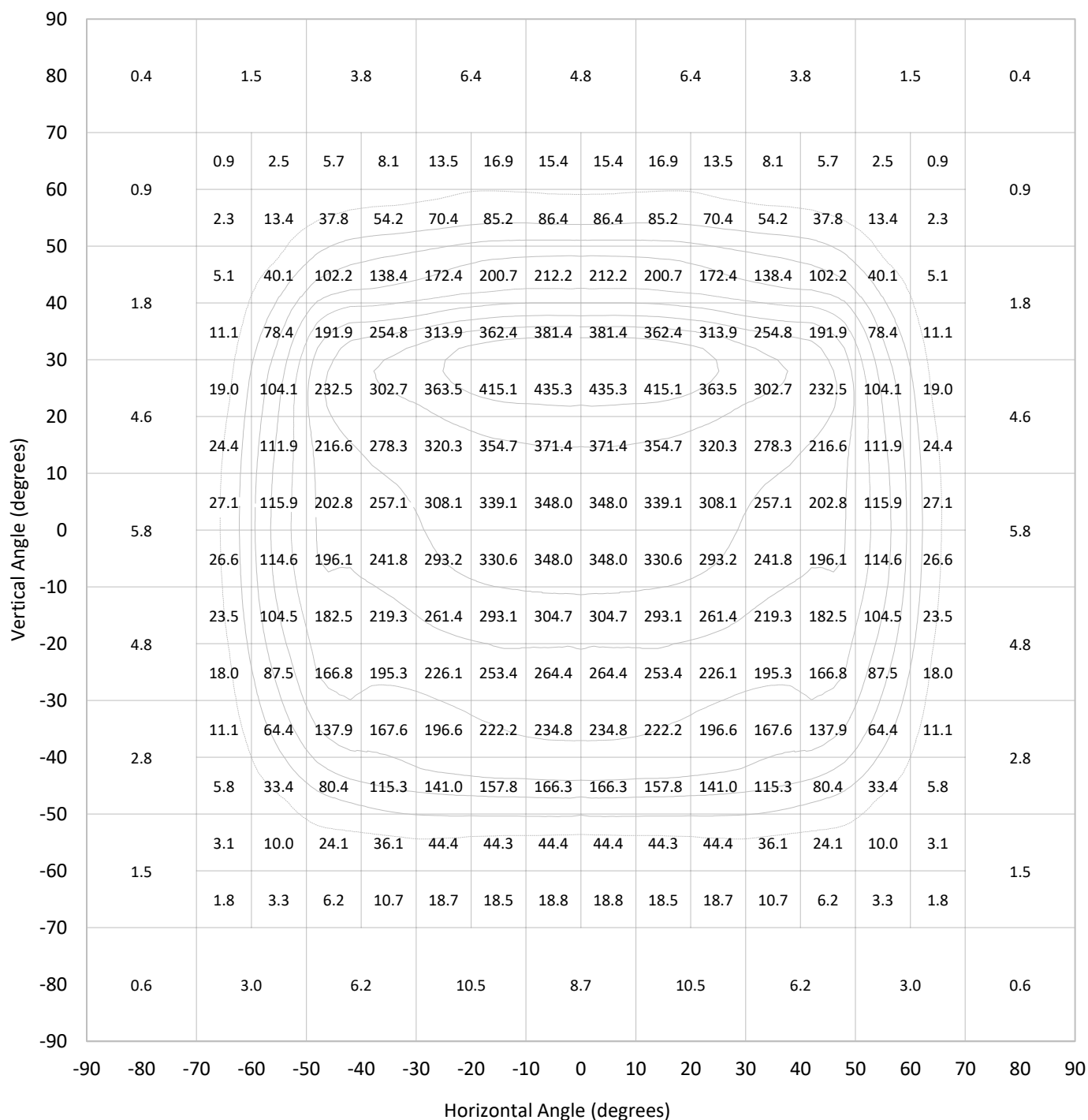




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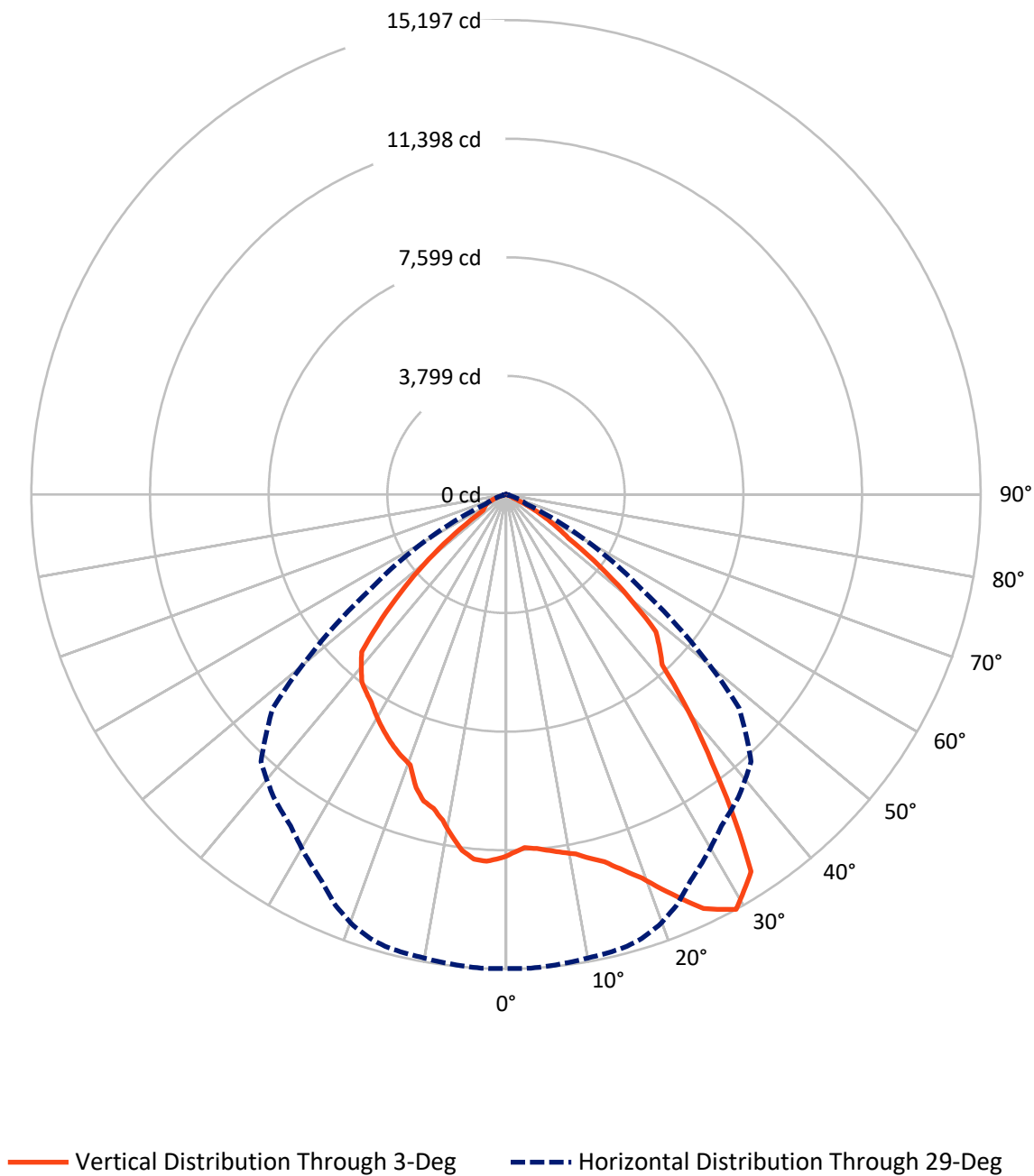
Lumen Table



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Luminous Intensity Polar Plot

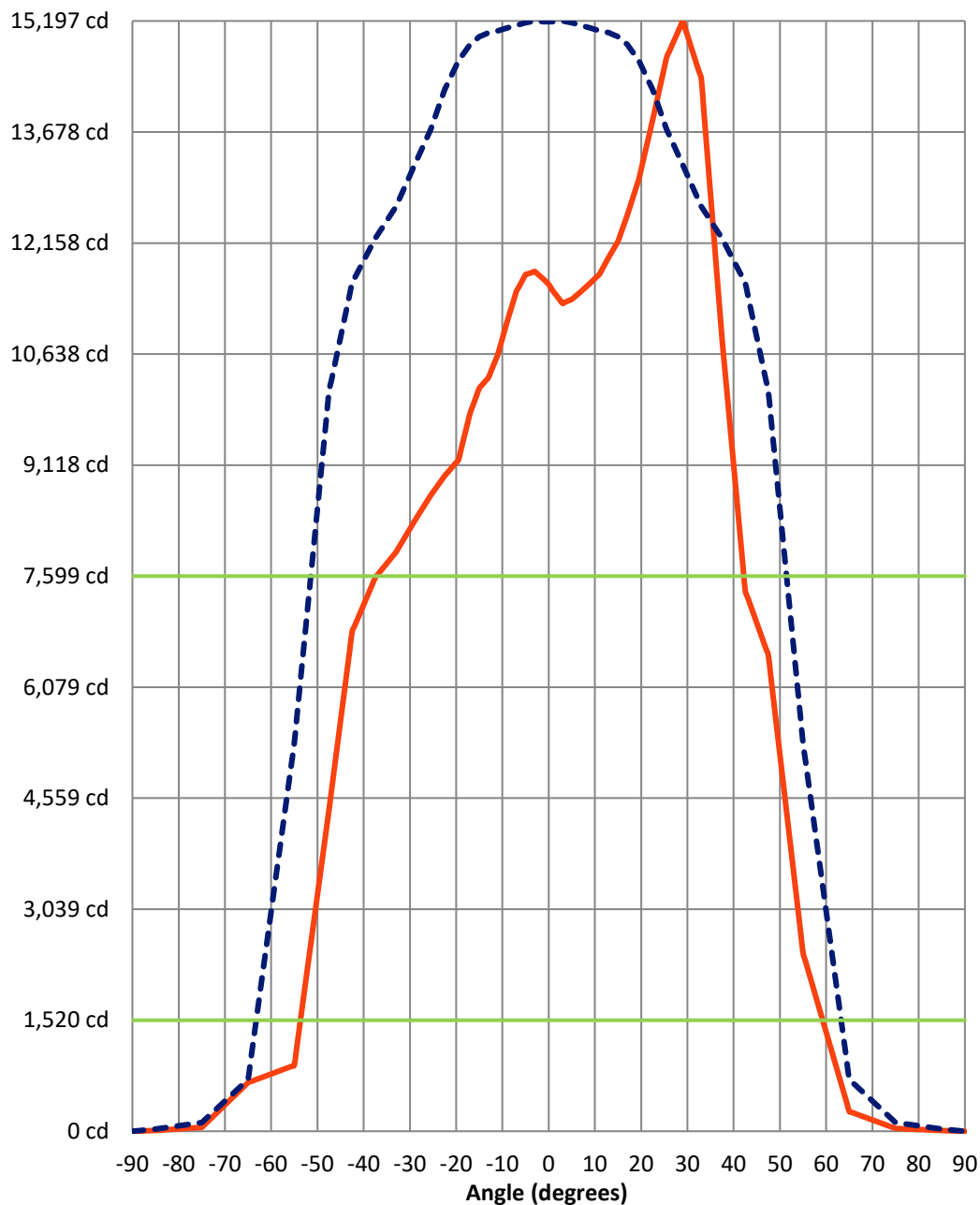




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Luminous Intensity Plot



Beam:
H Angle: 102.9°
V Angle: 79.4°
Lumens: 21158.4
Efficiency: 74.3%

Field:
H Angle: 126.5°
V Angle: 112.9°
Lumens: 27519.7
Efficiency: 96.6%

Spill:
Lumens: 957.3
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°	0.6	4.8	10.2	24.1	31.3	36.7	40.3	42.1	42.7	42.7	40.9
75°	35.5	36.1	38.5	34.9	27.7	30.1	43.9	49.9	55.3	57.2	54.1
65°	274.3	272.5	270.7	268.9	261.1	249.7	245.5	269.5	330.9	394.7	425.9
55°	2394.4	2386.0	2442.6	2402.9	2481.1	2556.3	2583.3	2591.2	2600.2	2554.5	2492.5
47.5°	6491.4	6548.0	6512.5	6507.7	6466.8	6403.0	6364.5	6301.9	6247.2	6235.8	6048.7
42.5°	7448.6	7423.3	7399.9	7452.2	7422.1	7447.4	7444.4	7380.6	7336.1	7244.7	7153.2
37.5°	10795.4	10814.1	10837.5	10842.3	10856.8	10796.0	10753.9	10709.4	10623.9	10478.4	10269.6
33°	14413.5	14446.6	14406.9	14404.5	14436.4	14421.9	14360.0	14302.2	14175.3	14004.4	13810.7
29°	15189.0	15187.2	15197.4	15173.4	15136.7	15101.2	15062.7	15036.8	14981.5	14875.0	14653.0
25.5°	14672.8	14681.2	14698.7	14684.9	14638.5	14612.7	14579.6	14534.5	14438.2	14323.9	14135.0
22.5°	13808.3	13874.5	13848.6	13831.2	13791.5	13728.3	13740.9	13698.2	13623.6	13506.9	13308.4
19.5°	13005.7	13038.8	13032.2	12984.1	12959.4	12907.7	12883.6	12852.3	12789.2	12717.0	12581.6
17°	12492.0	12553.3	12540.1	12510.6	12472.1	12437.8	12394.5	12368.0	12316.3	12236.9	12072.6
15°	12186.9	12214.6	12182.1	12176.1	12181.5	12113.5	12085.9	12018.5	12002.2	11935.5	11790.5
13°	11929.5	11943.3	11964.9	11930.7	11924.6	11900.6	11842.8	11814.5	11758.0	11730.9	11626.2
11°	11727.3	11821.8	11732.7	11757.4	11729.7	11726.1	11693.6	11678.0	11635.9	11594.4	11530.0
9°	11622.0	11638.3	11610.0	11608.8	11596.2	11573.3	11565.5	11564.3	11555.8	11533.0	11493.3
7°	11493.3	11507.1	11493.9	11480.6	11471.0	11461.4	11488.5	11497.5	11536.6	11504.1	11466.2
5°	11405.4	11392.2	11387.4	11385.0	11409.1	11409.1	11462.0	11492.1	11528.8	11539.0	11489.7
3°	11330.2	11346.5	11332.0	11349.5	11397.0	11422.3	11493.3	11537.2	11561.3	11561.9	11542.0
1°	11447.0	11486.7	11494.5	11506.5	11524.0	11539.6	11592.5	11631.7	11605.8	11607.0	11526.4
0°	11556.5	11572.1	11592.5	11578.7	11601.6	11615.4	11653.3	11661.1	11650.9	11605.2	11496.9
-1°	11671.4	11667.7	11656.3	11653.9	11659.3	11643.1	11664.1	11638.3	11607.6	11566.7	11465.0
-3°	11753.8	11783.9	11767.6	11749.0	11690.0	11690.0	11666.5	11570.3	11528.8	11486.1	11342.9
-5°	11684.6	11723.1	11725.5	11665.9	11574.5	11550.4	11475.8	11418.1	11345.9	11276.1	11131.7
-7°	11530.6	11510.1	11492.1	11415.1	11354.9	11298.4	11199.1	11098.6	11080.0	11013.8	10886.9
-9°	11105.8	11120.3	11077.6	11057.1	10990.9	10917.5	10888.7	10817.1	10779.2	10720.2	10603.5
-11°	10684.1	10626.4	10630.6	10645.0	10598.1	10598.7	10567.4	10524.1	10518.7	10462.7	10364.0
-13°	10351.4	10347.2	10318.9	10343.0	10334.0	10335.2	10305.7	10300.3	10290.0	10251.5	10118.6
-15°	10131.8	10167.3	10170.9	10150.5	10155.3	10143.9	10133.0	10107.2	10099.3	10038.6	9899.6
-17°	9812.4	9824.4	9827.4	9825.6	9810.6	9822.6	9835.8	9825.6	9787.7	9741.4	9629.5
-19.5°	9221.6	9173.4	9190.3	9207.1	9212.0	9211.3	9230.6	9263.1	9233.0	9172.2	9079.6
-22.5°	9011.0	9000.8	8969.5	8979.7	8974.9	8959.9	8959.9	8962.3	8944.8	8881.1	8754.7
-25.5°	8695.2	8709.6	8704.8	8698.2	8697.0	8669.9	8671.1	8675.3	8641.0	8570.6	8456.9
-29°	8346.8	8356.5	8352.8	8336.6	8314.3	8265.6	8245.2	8199.4	8138.7	8099.6	8007.5
-33°	7950.4	7926.3	7927.5	7925.1	7895.6	7867.3	7833.0	7775.9	7713.3	7664.6	7567.1
-37.5°	7576.8	7590.6	7578.0	7582.2	7565.3	7537.1	7506.4	7463.1	7401.7	7331.3	7234.4
-42.5°	6863.2	6853.0	6837.4	6803.1	6789.2	6723.7	6683.4	6684.6	6670.7	6617.2	6525.1
-47.5°	4260.6	4373.8	4399.6	4377.4	4355.7	4346.7	4301.0	4297.3	4301.0	4272.1	4201.1
-55°	880.2	877.2	902.4	920.5	957.8	972.2	979.4	953.0	982.4	1043.2	1072.7
-65°	678.0	675.6	666.0	665.4	656.4	652.8	652.2	646.1	650.3	668.4	688.9
-75°	52.9	52.9	53.5	47.5	43.9	49.3	64.4	69.2	76.4	73.4	81.8
-85°	1.8	5.4	10.8	25.3	32.5	37.3	40.9	42.7	42.7	42.1	41.5
-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):

	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°	37.9	35.5	33.7	31.3	27.1	22.9	19.9	16.8	19.3	16.8	20.5
75°	48.7	49.3	62.0	77.6	69.8	46.9	32.5	27.1	35.5	20.5	22.3
65°	371.2	239.4	148.6	111.9	90.8	77.0	94.5	71.6	66.2	33.1	23.5
55°	2339.1	2183.3	2069.0	1923.4	1875.8	1741.7	1409.0	573.3	105.3	53.5	25.3
47.5°	5845.9	5584.2	5288.8	4957.9	4672.8	4278.1	3505.0	1533.5	126.3	69.2	27.1
42.5°	6993.8	6696.0	6517.3	6276.1	6008.9	5920.5	5331.5	2641.1	129.9	78.8	27.7
37.5°	10090.9	9757.6	9298.6	8944.2	8663.9	8623.6	7519.6	3728.2	207.0	90.8	28.9
33°	13438.9	12950.4	12317.5	11770.6	11294.1	10866.4	9213.8	4603.6	481.9	104.7	29.5
29°	14254.7	13714.4	13226.5	12658.6	12220.6	11613.0	10122.2	5314.7	708.7	119.7	30.1
25.5°	13748.7	13343.9	12869.2	12422.8	12094.9	11670.8	10514.5	5712.3	892.2	133.6	30.7
22.5°	13002.1	12646.6	12251.9	11968.0	11789.9	11462.0	10484.4	5932.5	1038.4	145.6	31.3
19.5°	12346.4	12098.5	11779.6	11604.0	11527.0	11132.9	10181.8	6153.3	1170.1	158.2	31.9
17°	11892.8	11679.2	11468.6	11385.6	11308.6	10799.6	9906.2	6307.9	1277.8	164.8	32.5
15°	11627.4	11472.8	11321.8	11262.3	11117.3	10506.6	9722.7	6410.8	1353.0	170.3	33.1
13°	11500.5	11398.8	11264.1	11151.0	10903.7	10241.9	9587.4	6531.7	1414.4	175.1	33.1
11°	11430.7	11336.3	11155.8	10988.5	10640.8	10007.9	9507.3	6635.8	1464.9	177.5	33.7
9°	11391.0	11277.3	11057.1	10762.3	10426.0	9804.5	9459.8	6711.0	1507.0	178.7	34.3
7°	11403.6	11217.1	10930.2	10591.5	10230.5	9679.4	9418.3	6765.8	1535.9	178.1	34.9
5°	11399.4	11156.4	10826.1	10479.0	10079.5	9562.7	9386.4	6809.1	1549.2	176.3	35.5
3°	11377.2	11126.3	10732.8	10314.7	9944.7	9469.4	9372.0	6836.8	1561.2	174.5	35.5
1°	11341.7	11053.5	10613.1	10222.1	9850.3	9381.6	9356.3	6848.2	1558.2	172.7	35.5
0°	11306.2	11018.6	10574.0	10173.9	9806.9	9334.1	9333.5	6877.1	1552.8	171.5	35.5
-1°	11248.4	10943.4	10505.4	10102.3	9750.4	9342.5	9334.7	6851.2	1546.8	169.7	36.1
-3°	11090.2	10805.0	10392.3	9995.3	9646.9	9281.1	9314.2	6825.9	1535.9	167.9	36.7
-5°	10910.9	10634.8	10264.8	9870.7	9527.2	9189.1	9267.3	6754.9	1510.7	166.6	36.7
-7°	10682.9	10475.3	10080.1	9697.5	9372.0	9057.9	9178.9	6686.4	1483.0	165.4	37.3
-9°	10449.5	10232.3	9880.3	9499.5	9200.5	8949.0	9057.9	6579.9	1446.3	164.2	37.3
-11°	10211.2	9987.4	9636.1	9282.3	8997.2	8778.2	8930.4	6460.8	1405.4	164.2	37.9
-13°	9926.1	9721.5	9402.7	9084.4	8810.7	8648.8	8793.2	6310.4	1355.4	164.8	37.9
-15°	9706.5	9488.1	9182.5	8884.7	8636.2	8515.9	8633.2	6118.4	1307.9	166.0	38.5
-17°	9444.8	9255.9	8976.7	8698.8	8474.4	8387.7	8473.2	5924.1	1246.5	166.6	38.5
-19.5°	8934.0	8761.9	8585.1	8402.2	8254.8	8227.1	8268.6	5669.0	1163.5	167.9	38.5
-22.5°	8590.5	8416.0	8223.5	8081.5	7980.4	8075.5	8023.2	5315.3	1045.6	169.7	38.5
-25.5°	8308.9	8148.3	7955.8	7819.2	7761.5	7969.6	7797.6	4932.7	913.9	169.7	38.5
-29°	7874.6	7734.4	7561.7	7432.4	7401.1	7725.4	7360.2	4490.5	758.6	167.2	38.5
-33°	7398.7	7241.1	7066.6	6928.8	6870.5	7307.2	6638.8	3960.4	564.9	160.6	38.5
-37.5°	7095.5	6919.2	6724.3	6507.7	6375.9	6435.5	5674.4	3200.0	328.5	149.2	37.9
-42.5°	6362.1	6253.8	6013.8	5779.7	5434.4	5021.1	4231.2	2295.2	250.9	135.4	37.9
-47.5°	4206.5	4127.1	4050.1	3902.7	3573.6	3144.0	2642.3	1271.2	238.8	118.5	37.3
-55°	1162.3	1178.6	1248.4	1162.9	1016.7	891.0	864.5	388.0	219.6	90.8	35.5
-65°	729.8	740.0	603.4	427.1	288.8	220.8	223.8	148.6	146.2	52.9	33.1
-75°	89.0	89.6	75.2	71.6	72.2	82.4	86.0	71.6	57.8	30.1	30.7
-85°	40.3	39.7	38.5	37.3	36.7	34.9	32.5	29.5	27.1	27.7	27.7
-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)