

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: P507831

Luminaire Tested: **UFLD-L-CA4-370-722-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507831
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-CA4-370-722-U-66
Description: UTILITY FLOOD LARGE, 6x6 OPTIC
Light Source: (4) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	41608 lumens	Max Intensity:	22205.1 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	113.7 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:	30914.7 lumens	Field Lumens:	40209.3 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%

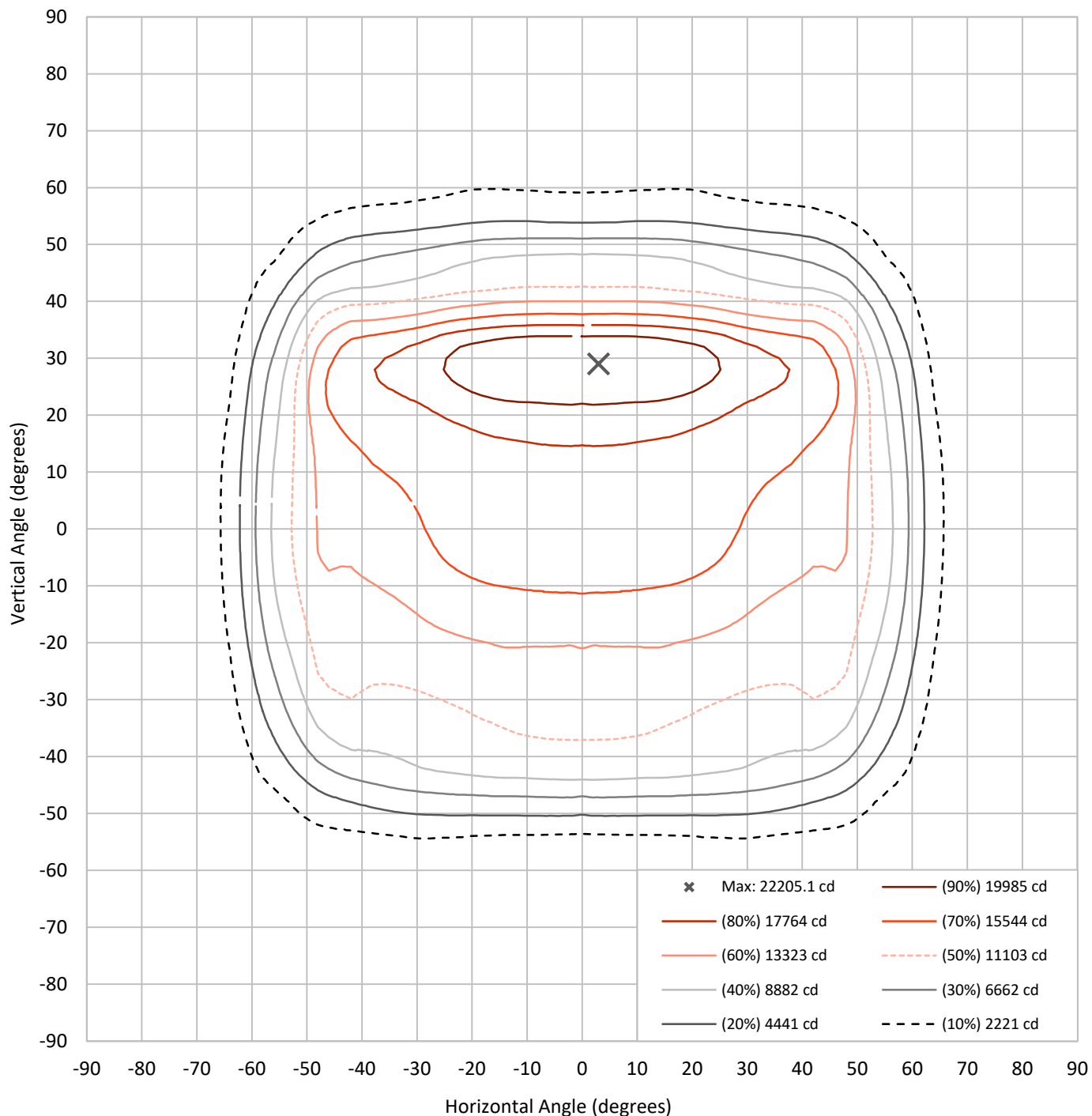
Input Watts (W): 366
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Candela Plot

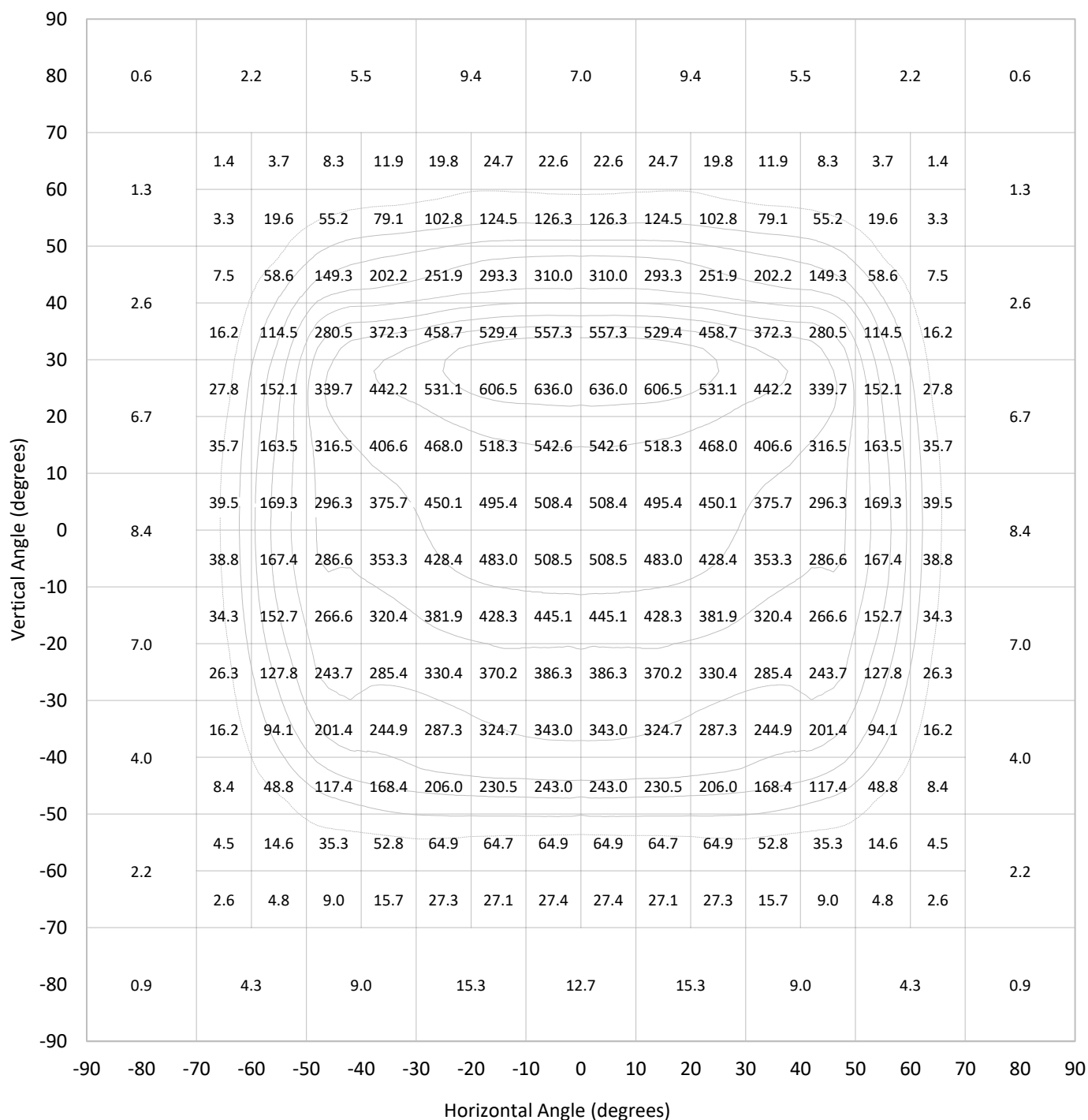




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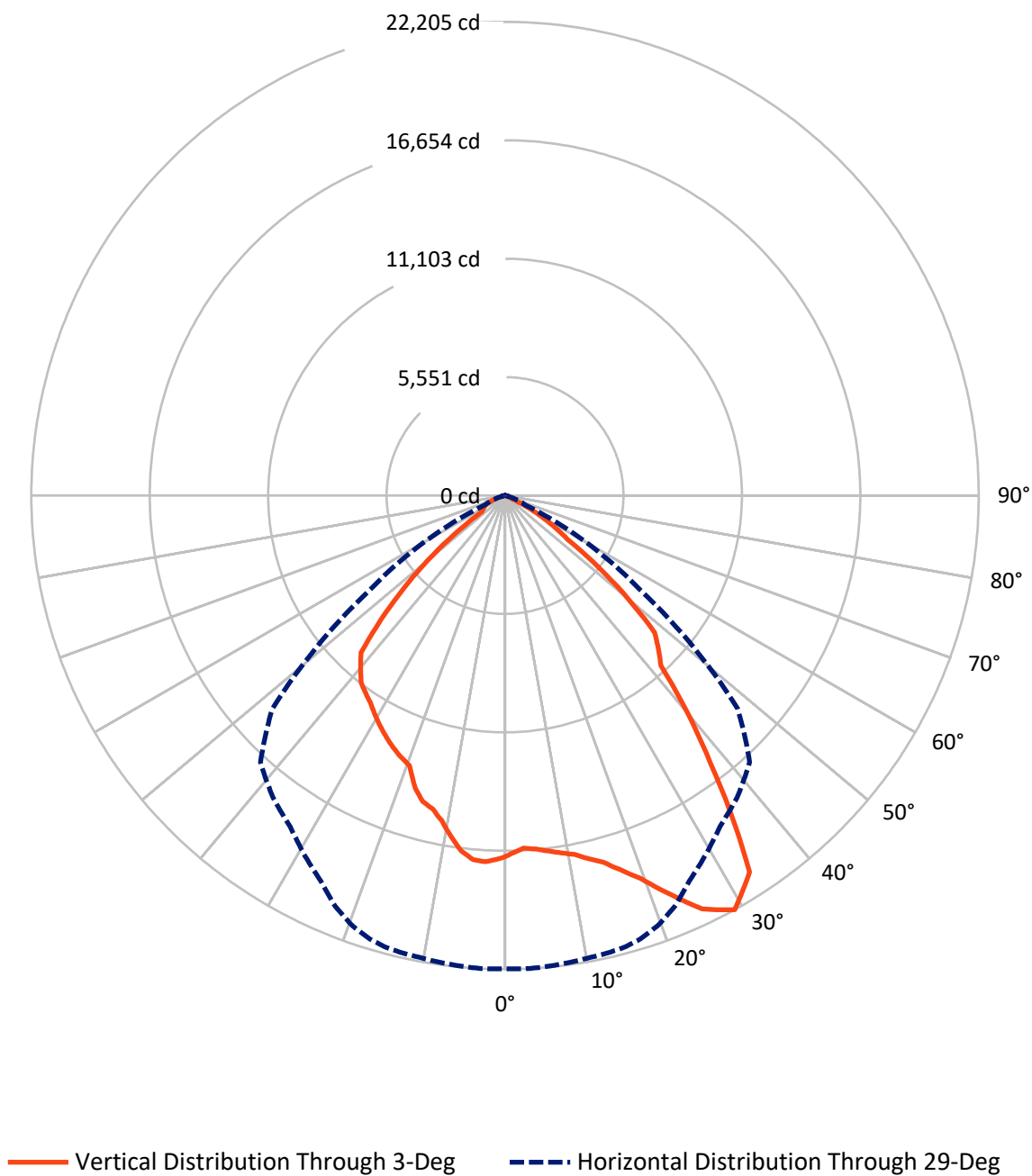
Lumen Table



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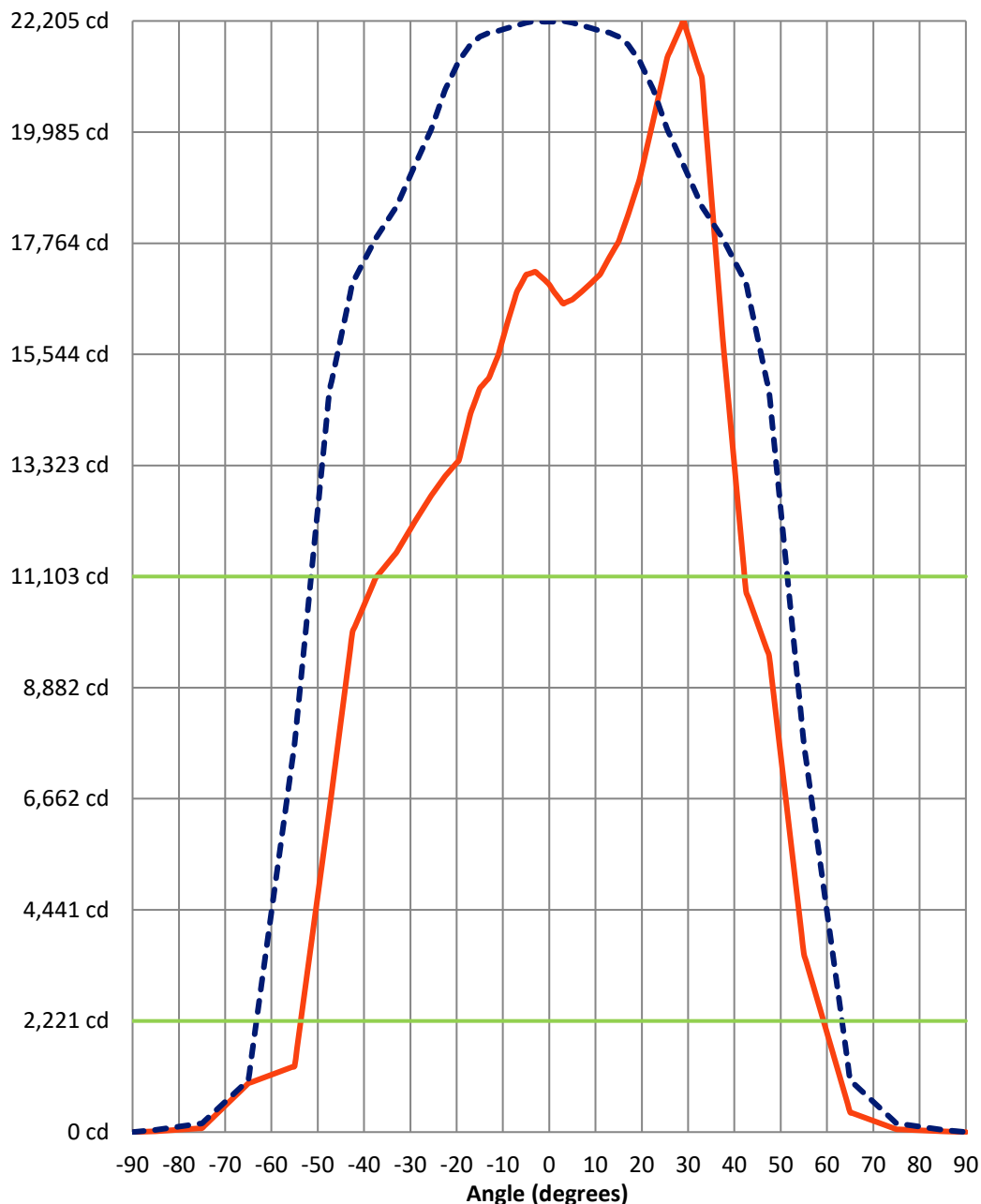
Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:

H Angle: 102.9°
V Angle: 79.4°
Lumens: 30914.7
Efficiency: 74.3%

Field:

H Angle: 126.5°
V Angle: 112.9°
Lumens: 40209.3
Efficiency: 96.6%

Spill:

Lumens: 1398.7
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°	0.9	7.0	14.9	35.2	45.7	53.6	58.9	61.5	62.4	62.4	59.8
75°	51.9	52.7	56.3	51.0	40.4	44.0	64.2	73.0	80.9	83.5	79.1
65°	400.8	398.2	395.6	392.9	381.5	364.8	358.6	393.8	483.5	576.6	622.4
55°	3498.5	3486.2	3568.9	3510.8	3625.1	3735.0	3774.5	3786.0	3799.2	3732.3	3641.8
47.5°	9484.7	9567.3	9515.5	9508.4	9448.7	9355.5	9299.2	9207.8	9127.8	9111.1	8837.7
42.5°	10883.2	10846.3	10812.0	10888.5	10844.6	10881.5	10877.1	10783.9	10718.9	10585.2	10451.6
37.5°	15773.3	15800.5	15834.8	15841.8	15862.9	15774.1	15712.6	15647.6	15522.7	15310.0	15005.0
33°	21059.7	21108.1	21050.1	21046.5	21093.1	21072.0	20981.5	20897.1	20711.6	20462.0	20178.9
29°	22192.8	22190.2	22205.1	22169.9	22116.3	22064.5	22008.2	21970.4	21889.5	21733.9	21409.6
25.5°	21438.6	21450.9	21476.4	21456.2	21388.5	21350.7	21302.3	21236.4	21095.8	20928.8	20652.7
22.5°	20175.4	20272.1	20234.3	20208.8	20150.8	20058.5	20077.0	20014.6	19905.6	19735.0	19445.0
19.5°	19002.8	19051.2	19041.5	18971.2	18935.1	18859.5	18824.4	18778.7	18686.4	18580.9	18383.1
17°	18252.1	18341.8	18322.4	18279.4	18223.1	18173.0	18109.7	18071.0	17995.4	17879.4	17639.4
15°	17806.5	17846.9	17799.4	17790.6	17798.5	17699.2	17658.8	17560.3	17536.6	17439.0	17227.2
13°	17430.2	17450.4	17482.1	17432.0	17423.2	17388.0	17303.6	17262.3	17179.7	17140.2	16987.2
11°	17134.9	17272.9	17142.8	17178.8	17138.4	17133.1	17085.7	17062.8	17001.3	16940.6	16846.6
9°	16981.0	17004.8	16963.5	16961.7	16943.2	16909.8	16898.4	16896.7	16884.4	16851.0	16792.9
7°	16792.9	16813.2	16793.8	16774.5	16760.4	16746.3	16785.9	16799.1	16856.2	16808.8	16753.4
5°	16664.6	16645.3	16638.2	16634.7	16669.9	16669.9	16747.2	16791.2	16844.8	16859.7	16787.7
3°	16554.7	16578.5	16557.4	16582.8	16652.3	16689.2	16792.9	16857.1	16892.3	16893.1	16864.1
1°	16725.2	16783.3	16794.7	16812.3	16837.8	16860.6	16938.0	16995.1	16957.3	16959.1	16841.3
0°	16885.2	16908.1	16938.0	16917.8	16951.2	16971.4	17026.8	17038.2	17023.2	16956.4	16798.2
-1°	17053.1	17047.9	17031.2	17027.6	17035.5	17011.8	17042.6	17004.8	16960.0	16900.2	16751.6
-3°	17173.6	17217.5	17193.8	17166.5	17080.4	17080.4	17046.1	16905.5	16844.8	16782.4	16573.2
-5°	17072.5	17128.7	17132.2	17045.2	16911.6	16876.4	16767.4	16683.1	16577.6	16475.6	16264.6
-7°	16847.4	16817.5	16791.2	16678.7	16590.8	16508.1	16363.1	16216.3	16189.0	16092.4	15906.9
-9°	16226.8	16247.9	16185.5	16155.6	16058.9	15951.7	15909.5	15804.9	15749.5	15663.4	15492.9
-11°	15610.6	15526.3	15532.4	15553.5	15484.9	15485.8	15440.1	15376.8	15368.9	15287.2	15143.0
-13°	15124.5	15118.4	15077.1	15112.2	15099.0	15100.8	15057.7	15049.8	15034.9	14978.6	14784.4
-15°	14803.7	14855.6	14860.8	14830.9	14838.0	14821.3	14805.5	14767.7	14756.2	14667.4	14464.4
-17°	14336.9	14354.5	14358.9	14356.3	14334.3	14351.9	14371.2	14356.3	14300.9	14233.2	14069.7
-19.5°	13473.7	13403.4	13428.0	13452.6	13459.7	13458.8	13486.9	13534.4	13490.4	13401.6	13266.3
-22.5°	13166.1	13151.1	13105.4	13120.4	13113.3	13091.4	13091.4	13094.9	13069.4	12976.2	12791.6
-25.5°	12704.6	12725.7	12718.6	12709.0	12707.2	12667.7	12669.4	12675.6	12625.5	12522.6	12356.5
-29°	12195.6	12209.7	12204.4	12180.7	12148.2	12077.0	12047.1	11980.3	11891.5	11834.3	11699.9
-33°	11616.3	11581.2	11582.9	11579.4	11536.4	11495.0	11444.9	11361.4	11270.0	11198.8	11056.4
-37.5°	11070.5	11090.7	11072.2	11078.4	11053.8	11012.5	10967.6	10904.3	10814.7	10711.8	10570.3
-42.5°	10027.9	10013.0	9990.1	9940.0	9919.8	9824.0	9765.1	9766.9	9746.7	9668.4	9533.9
-47.5°	6225.3	6390.5	6428.3	6395.8	6364.2	6351.0	6284.2	6278.9	6284.2	6242.0	6138.2
-55°	1286.0	1281.6	1318.5	1344.9	1399.4	1420.5	1431.1	1392.4	1435.5	1524.2	1567.3
-65°	990.7	987.1	973.1	972.2	959.0	953.7	952.9	944.1	950.2	976.6	1006.5
-75°	77.4	77.4	78.2	69.4	64.2	72.1	94.1	101.1	111.6	107.2	119.5
-85°	2.6	7.9	15.8	36.9	47.5	54.5	59.8	62.4	62.4	61.5	60.7
-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°	55.4	51.9	49.2	45.7	39.6	33.4	29.0	24.6	28.1	24.6	29.9
75°	71.2	72.1	90.5	113.4	102.0	68.6	47.5	39.6	51.9	29.9	32.5
65°	542.4	349.9	217.1	163.5	132.7	112.5	138.0	104.6	96.7	48.3	34.3
55°	3417.7	3190.0	3023.0	2810.2	2740.8	2544.8	2058.7	837.7	153.8	78.2	36.9
47.5°	8541.5	8159.1	7727.5	7244.1	6827.4	6250.8	5121.2	2240.6	184.6	101.1	39.6
42.5°	10218.7	9783.6	9522.5	9170.0	8779.7	8650.5	7789.9	3858.9	189.9	115.2	40.4
37.5°	14743.9	14256.9	13586.2	13068.5	12658.9	12600.0	10987.0	5447.3	302.4	132.7	42.2
33°	19635.7	18921.9	17997.2	17198.2	16502.0	15877.0	13462.3	6726.3	704.1	153.0	43.1
29°	20827.7	20038.3	19325.4	18495.6	17855.7	16967.9	14789.6	7765.3	1035.5	174.9	44.0
25.5°	20088.4	19496.8	18803.3	18151.0	17672.0	17052.2	15362.8	8346.4	1303.6	195.1	44.8
22.5°	18997.5	18478.0	17901.4	17486.5	17226.3	16747.2	15318.8	8668.1	1517.2	212.7	45.7
19.5°	18039.4	17677.2	17211.4	16954.7	16842.2	16266.4	14876.7	8990.7	1709.7	231.2	46.6
17°	17376.6	17064.6	16756.9	16635.6	16523.1	15779.4	14474.1	9216.6	1867.1	240.9	47.5
15°	16989.0	16763.0	16542.4	16455.4	16243.5	15351.3	14206.0	9366.9	1976.9	248.8	48.3
13°	16803.5	16654.9	16458.0	16292.8	15931.5	14964.6	14008.2	9543.6	2066.6	255.8	48.3
11°	16701.5	16563.5	16299.8	16055.4	15547.4	14622.6	13891.3	9695.7	2140.4	259.3	49.2
9°	16643.5	16477.4	16155.6	15724.9	15233.5	14325.5	13821.8	9805.5	2202.0	261.1	50.1
7°	16662.0	16389.5	15970.2	15475.3	14947.9	14142.7	13761.2	9885.5	2244.2	260.2	51.0
5°	16655.8	16300.7	15818.1	15310.9	14727.2	13972.1	13714.6	9948.8	2263.5	257.6	51.9
3°	16623.3	16256.7	15681.8	15070.9	14530.3	13835.9	13693.5	9989.3	2281.1	254.9	51.9
1°	16571.4	16150.4	15506.9	14935.6	14392.3	13707.5	13670.6	10006.0	2276.7	252.3	51.9
0°	16519.6	16099.4	15449.8	14865.2	14329.0	13638.1	13637.2	10048.2	2268.8	250.5	51.9
-1°	16435.2	15989.5	15349.6	14760.6	14246.4	13650.4	13639.0	10010.4	2260.0	247.9	52.7
-3°	16204.0	15787.3	15184.3	14604.2	14095.2	13560.8	13609.1	9973.4	2244.2	245.2	53.6
-5°	15942.0	15538.6	14998.0	14422.2	13920.3	13426.3	13540.5	9869.7	2207.2	243.5	53.6
-7°	15608.9	15305.6	14728.1	14169.0	13693.5	13234.6	13411.3	9769.5	2166.8	241.7	54.5
-9°	15267.8	14950.5	14436.3	13879.8	13443.0	13075.5	13234.6	9613.9	2113.2	240.0	54.5
-11°	14919.7	14592.7	14079.4	13562.5	13145.9	12825.9	13048.3	9439.9	2053.4	240.0	55.4
-13°	14503.1	14204.2	13738.3	13273.3	12873.4	12636.9	12847.9	9220.1	1980.4	240.9	55.4
-15°	14182.2	13863.1	13416.6	12981.5	12618.4	12442.6	12614.0	8939.7	1911.0	242.6	56.3
-17°	13799.8	13523.8	13116.0	12709.9	12382.0	12255.4	12380.2	8655.8	1821.3	243.5	56.3
-19.5°	13053.6	12802.2	12543.7	12276.5	12061.1	12020.7	12081.3	8283.1	1700.0	245.2	56.3
-22.5°	12551.6	12296.7	12015.4	11808.0	11660.3	11799.2	11722.7	7766.2	1527.7	247.9	56.3
-25.5°	12140.2	11905.5	11624.3	11424.7	11340.3	11644.5	11393.1	7207.1	1335.2	247.9	56.3
-29°	11505.6	11300.8	11048.5	10859.5	10813.8	11287.6	10754.0	6561.1	1108.5	244.4	56.3
-33°	10810.3	10580.0	10325.1	10123.8	10038.5	10676.7	9700.1	5786.6	825.4	234.7	56.3
-37.5°	10367.2	10109.7	9824.9	9508.4	9315.9	9403.0	8291.0	4675.5	479.9	218.0	55.4
-42.5°	9295.7	9137.5	8786.8	8444.8	7940.3	7336.4	6182.2	3353.5	366.6	197.8	55.4
-47.5°	6146.2	6030.1	5917.6	5702.2	5221.4	4593.8	3860.7	1857.4	349.0	173.2	54.5
-55°	1698.3	1722.0	1824.0	1699.2	1485.6	1301.8	1263.2	567.0	320.8	132.7	51.9
-65°	1066.3	1081.2	881.7	624.1	421.9	322.6	327.0	217.1	213.6	77.4	48.3
-75°	130.1	131.0	109.9	104.6	105.5	120.4	125.7	104.6	84.4	44.0	44.8
-85°	58.9	58.0	56.3	54.5	53.6	51.0	47.5	43.1	39.6	40.4	40.4
-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)