

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: P507813

Luminaire Tested: **UFLD-L-CA4-250-722-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507813
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-CA4-250-722-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:	31443 lumens	Max Intensity:	16780.3 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	125.1 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:	23362.1 lumens	Field Lumens:	30386 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%

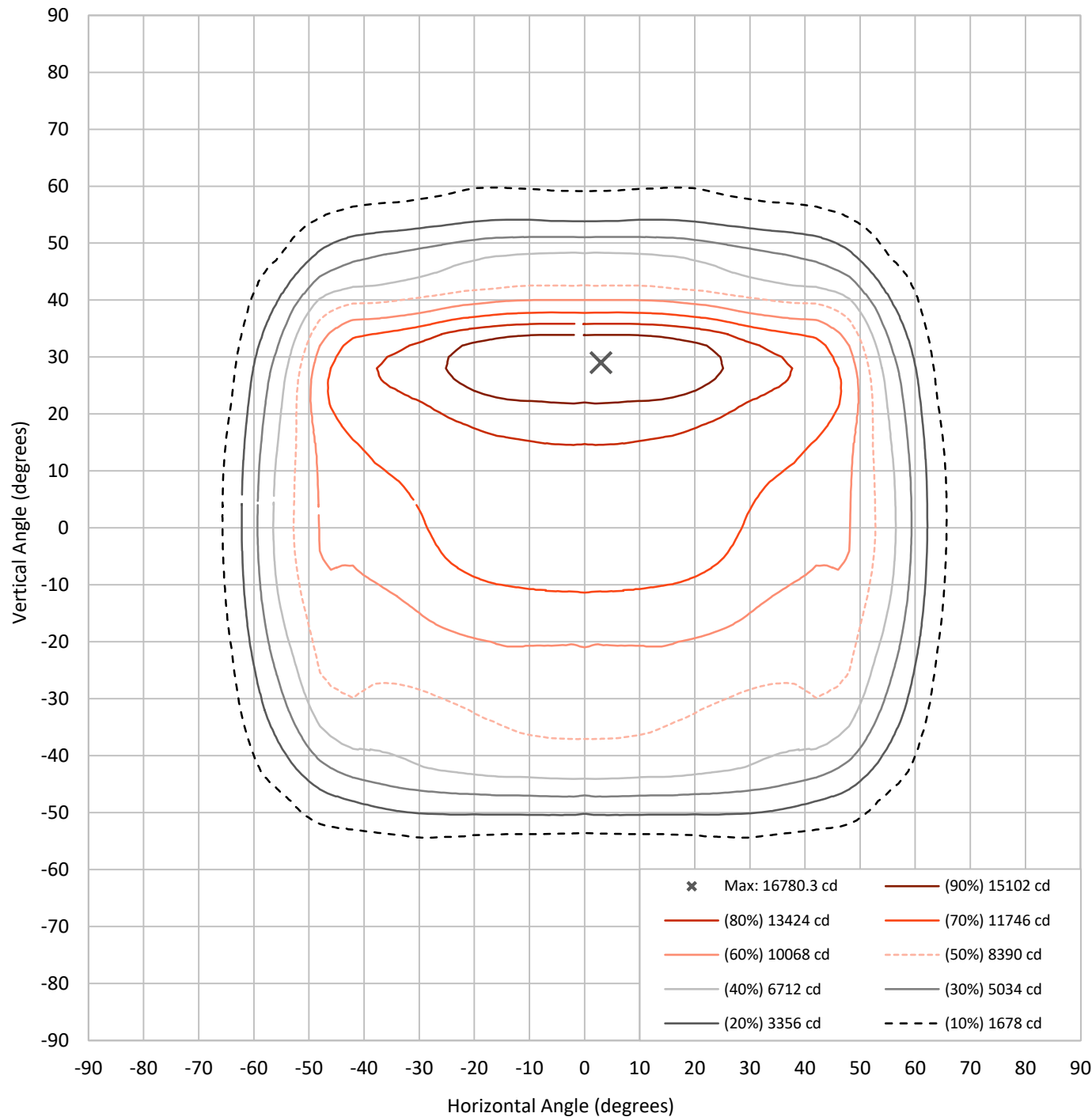
Input Watts (W): 251.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT





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Iso-Candela Plot

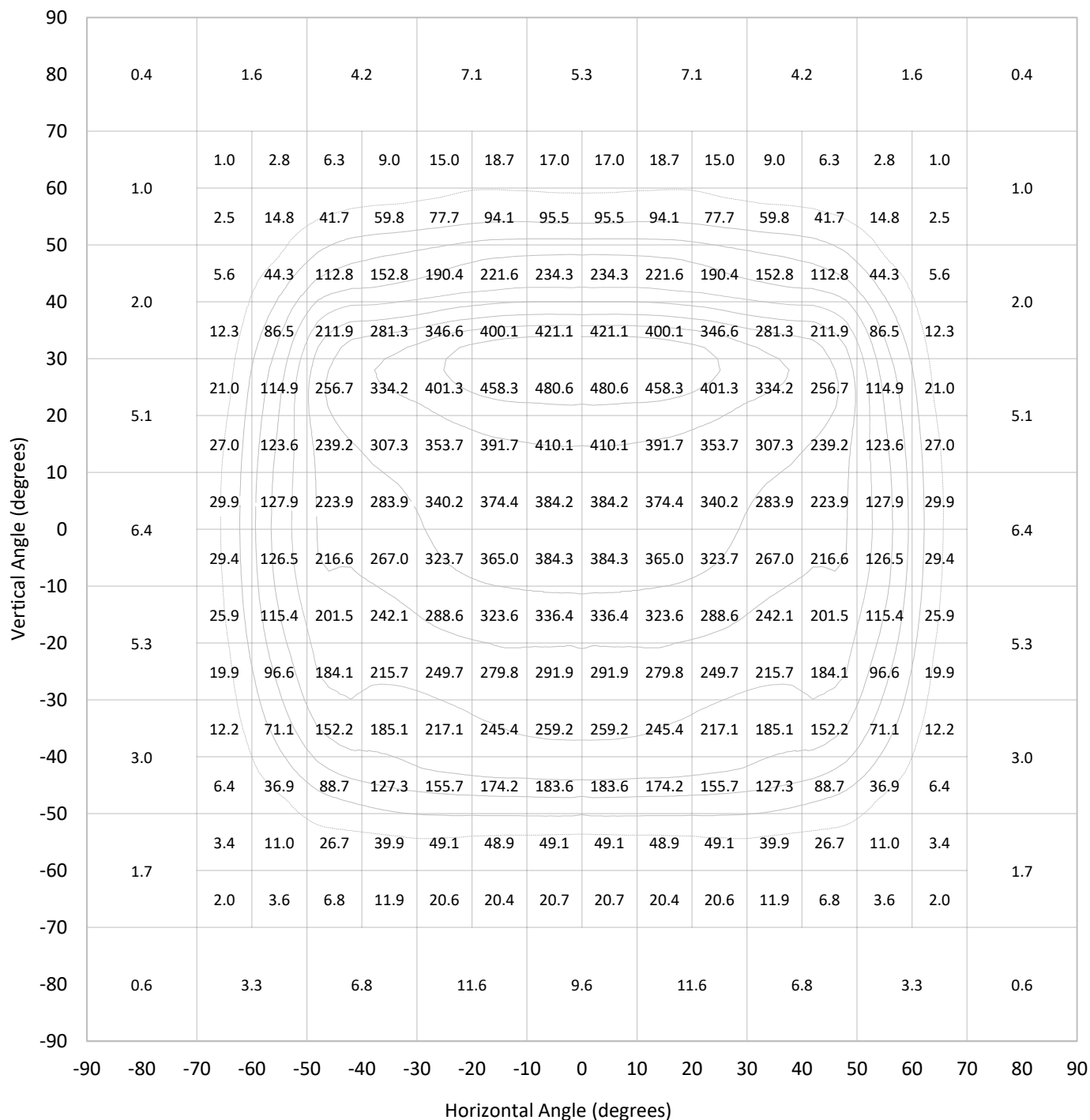




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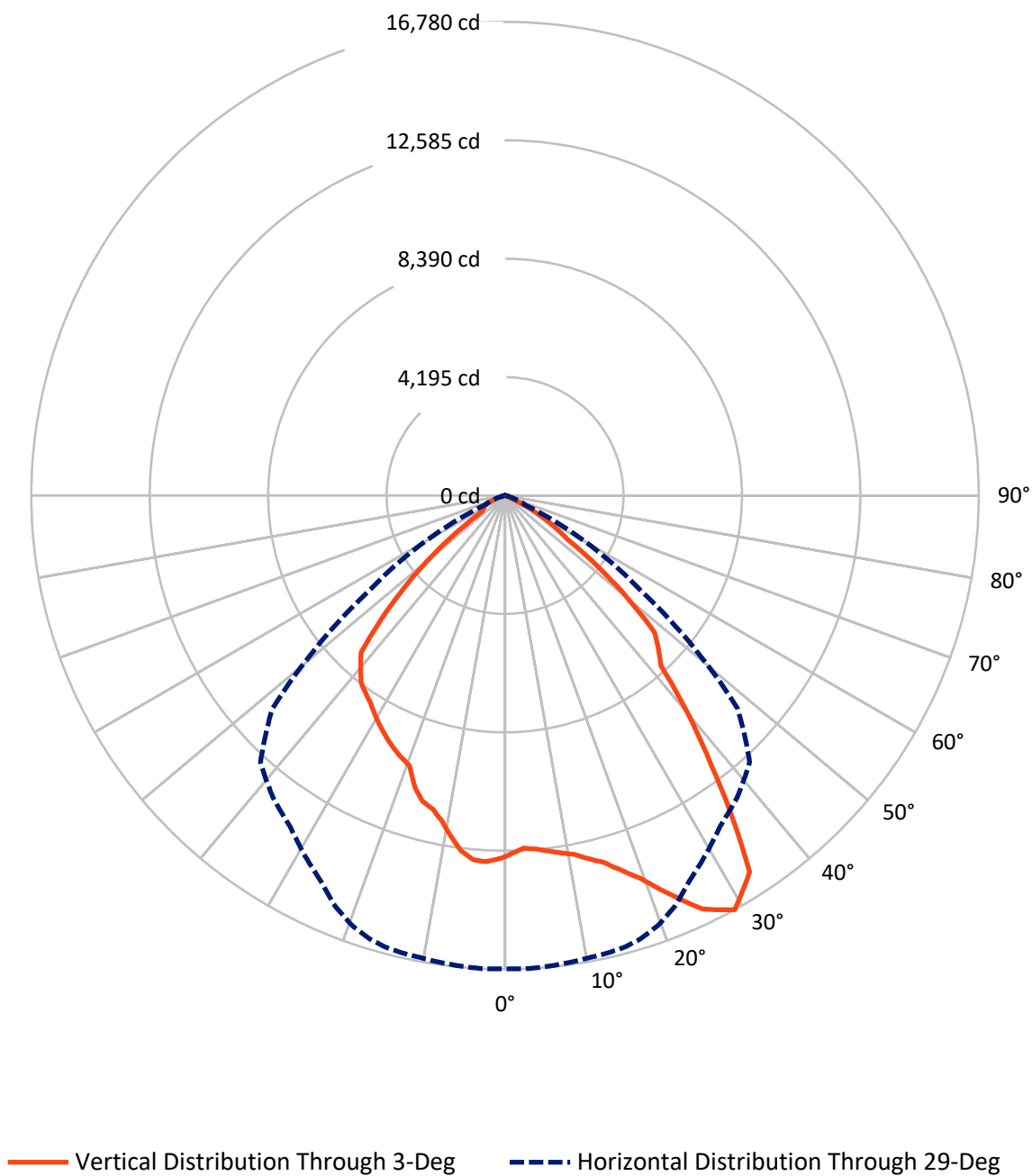
Lumen Table



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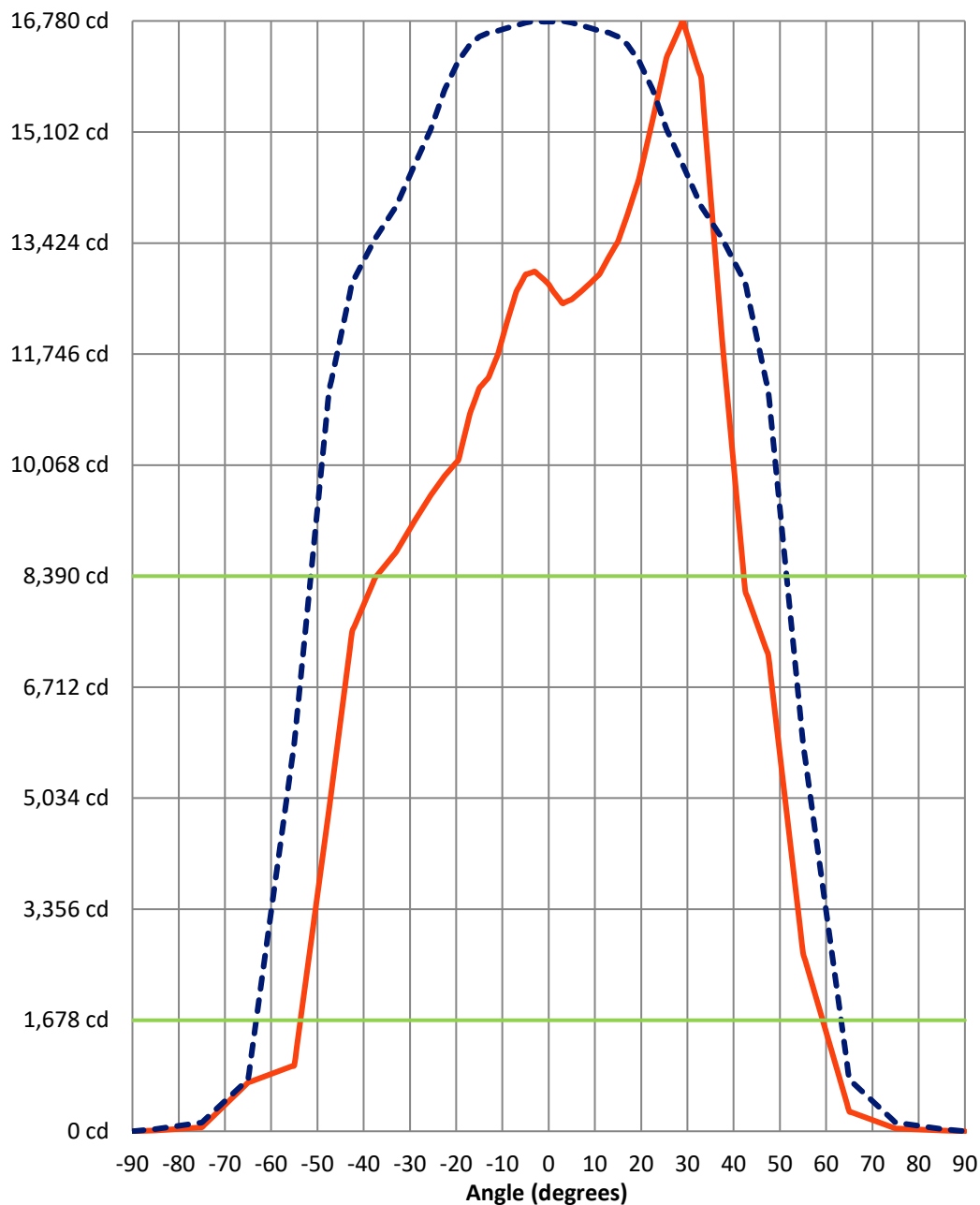
Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:

H Angle: 102.9°
V Angle: 79.4°
Lumens: 23362.1
Efficiency: 74.3%

Field:

H Angle: 126.5°
V Angle: 112.9°
Lumens: 30386
Efficiency: 96.6%

Spill:

Lumens: 1057
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°	0.7	5.3	11.3	26.6	34.5	40.5	44.5	46.5	47.2	47.2	45.2
75°	39.2	39.9	42.5	38.5	30.6	33.2	48.5	55.1	61.1	63.1	59.8
65°	302.9	300.9	298.9	296.9	288.3	275.7	271.0	297.6	365.4	435.8	470.3
55°	2643.8	2634.5	2697.0	2653.1	2739.5	2822.5	2852.4	2861.0	2871.0	2820.5	2752.1
47.5°	7167.6	7230.0	7190.8	7185.5	7140.3	7069.9	7027.4	6958.3	6897.9	6885.2	6678.6
42.5°	8224.4	8196.5	8170.6	8228.4	8195.2	8223.1	8219.8	8149.4	8100.2	7999.2	7898.3
37.5°	11919.8	11940.4	11966.3	11971.6	11987.5	11920.5	11874.0	11824.8	11730.5	11569.7	11339.2
33°	15914.8	15951.3	15907.4	15904.8	15940.0	15924.1	15855.6	15791.9	15651.7	15463.0	15249.2
29°	16771.0	16769.0	16780.3	16753.7	16713.2	16674.0	16631.5	16602.9	16541.8	16424.3	16179.1
25.5°	16201.1	16210.4	16229.6	16214.3	16163.2	16134.6	16098.1	16048.3	15942.0	15815.8	15607.2
22.5°	15246.5	15319.6	15291.0	15271.7	15227.9	15158.1	15172.1	15124.9	15042.6	14913.7	14694.5
19.5°	14360.3	14396.9	14389.6	14336.4	14309.2	14252.1	14225.5	14191.0	14121.2	14041.5	13892.0
17°	13793.1	13860.8	13846.2	13813.6	13771.1	13733.3	13685.4	13656.2	13599.1	13511.4	13330.1
15°	13456.3	13486.8	13451.0	13444.3	13450.3	13375.2	13344.7	13270.3	13252.3	13178.6	13018.5
13°	13172.0	13187.2	13211.1	13173.3	13166.6	13140.1	13076.3	13045.1	12982.6	12952.7	12837.2
11°	12948.8	13053.0	12954.7	12982.0	12951.4	12947.4	12911.6	12894.3	12847.8	12802.0	12730.9
9°	12832.5	12850.4	12819.2	12817.9	12803.9	12778.7	12770.1	12768.7	12759.4	12734.2	12690.4
7°	12690.4	12705.6	12691.0	12676.4	12665.8	12655.1	12685.0	12695.0	12738.2	12702.3	12660.5
5°	12593.4	12578.8	12573.4	12570.8	12597.4	12597.4	12655.8	12689.0	12729.5	12740.8	12686.4
3°	12510.3	12528.3	12512.3	12531.6	12584.1	12612.0	12690.4	12738.8	12765.4	12766.1	12744.2
1°	12639.2	12683.0	12691.7	12705.0	12724.2	12741.5	12800.0	12843.1	12814.6	12815.9	12726.9
0°	12760.1	12777.4	12800.0	12784.7	12809.9	12825.2	12867.1	12875.7	12864.4	12813.9	12694.3
-1°	12887.0	12883.0	12870.4	12867.7	12873.7	12855.8	12879.0	12850.4	12816.6	12771.4	12659.1
-3°	12978.0	13011.2	12993.3	12972.7	12907.6	12907.6	12881.7	12775.4	12729.5	12682.4	12524.3
-5°	12901.6	12944.1	12946.8	12881.0	12780.0	12753.5	12671.1	12607.3	12527.6	12450.5	12291.1
-7°	12731.5	12709.0	12689.0	12604.0	12537.6	12475.1	12365.5	12254.6	12234.0	12160.9	12020.8
-9°	12262.6	12278.5	12231.3	12208.8	12135.7	12054.6	12022.8	11943.7	11901.9	11836.8	11707.9
-11°	11796.9	11733.1	11737.8	11753.7	11701.9	11702.6	11668.0	11620.2	11614.2	11552.4	11443.5
-13°	11429.6	11424.9	11393.7	11420.3	11410.3	11411.6	11379.1	11373.1	11361.8	11319.3	11172.5
-15°	11187.1	11226.3	11230.3	11207.7	11213.0	11200.4	11188.4	11159.9	11151.2	11084.1	10930.7
-17°	10834.4	10847.6	10851.0	10849.0	10832.4	10845.7	10860.3	10849.0	10807.1	10756.0	10632.4
-19.5°	10182.0	10128.9	10147.5	10166.1	10171.4	10170.8	10192.0	10227.9	10194.7	10127.6	10025.3
-22.5°	9949.5	9938.3	9903.7	9915.0	9909.7	9893.1	9893.1	9895.7	9876.5	9806.1	9666.6
-25.5°	9600.8	9616.7	9611.4	9604.1	9602.8	9572.9	9574.2	9578.9	9541.0	9463.3	9337.7
-29°	9216.2	9226.8	9222.8	9204.9	9180.3	9126.5	9103.9	9053.4	8986.3	8943.2	8841.5
-33°	8778.4	8751.9	8753.2	8750.5	8718.0	8686.8	8648.9	8585.8	8516.7	8462.9	8355.3
-37.5°	8365.9	8381.2	8367.2	8371.9	8353.3	8322.1	8288.2	8240.4	8172.6	8094.9	7987.9
-42.5°	7578.1	7566.8	7549.5	7511.6	7496.4	7424.0	7379.5	7380.8	7365.5	7306.4	7204.8
-47.5°	4704.4	4829.3	4857.9	4833.3	4809.4	4799.4	4748.9	4744.9	4748.9	4717.0	4638.6
-55°	971.8	968.5	996.4	1016.3	1057.5	1073.5	1081.4	1052.2	1084.8	1151.9	1184.4
-65°	748.6	746.0	735.4	734.7	724.7	720.7	720.1	713.4	718.1	738.0	760.6
-75°	58.5	58.5	59.1	52.5	48.5	54.5	71.1	76.4	84.4	81.0	90.3
-85°	2.0	6.0	12.0	27.9	35.9	41.2	45.2	47.2	47.2	46.5	45.8
-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°	41.8	39.2	37.2	34.5	29.9	25.2	21.9	18.6	21.3	18.6	22.6
75°	53.8	54.5	68.4	85.7	77.1	51.8	35.9	29.9	39.2	22.6	24.6
65°	409.9	264.4	164.1	123.6	100.3	85.0	104.3	79.0	73.1	36.5	25.9
55°	2582.7	2410.7	2284.4	2123.7	2071.2	1923.1	1555.7	633.1	116.2	59.1	27.9
47.5°	6454.8	6165.8	5839.7	5474.3	5159.4	4723.7	3870.1	1693.2	139.5	76.4	29.9
42.5°	7722.2	7393.4	7196.1	6929.7	6634.8	6537.2	5886.8	2916.2	143.5	87.0	30.6
37.5°	11141.9	10773.9	10267.1	9875.8	9566.3	9521.8	8302.8	4116.5	228.5	100.3	31.9
33°	14838.6	14299.2	13600.4	12996.6	12470.5	11998.2	10173.4	5083.1	532.1	115.6	32.5
29°	15739.4	15142.9	14604.1	13977.1	13493.5	12822.5	11176.5	5868.2	782.5	132.2	33.2
25.5°	15180.7	14733.7	14209.6	13716.7	13354.6	12886.3	11609.6	6307.3	985.1	147.5	33.9
22.5°	14356.4	13963.8	13528.0	13214.5	13017.8	12655.8	11576.4	6550.4	1146.5	160.8	34.5
19.5°	13632.3	13358.6	13006.6	12812.6	12727.6	12292.5	11242.2	6794.2	1292.0	174.7	35.2
17°	13131.4	12895.6	12663.1	12571.4	12486.4	11924.4	10938.0	6964.9	1410.9	182.0	35.9
15°	12838.5	12667.8	12501.0	12435.3	12275.2	11600.9	10735.4	7078.5	1494.0	188.0	36.5
13°	12698.3	12586.1	12437.3	12312.4	12039.4	11308.7	10585.9	7212.1	1561.7	193.3	36.5
11°	12621.3	12517.0	12317.7	12133.0	11749.1	11050.3	10497.6	7327.0	1617.5	196.0	37.2
9°	12577.4	12451.9	12208.8	11883.3	11511.9	10825.7	10445.1	7410.0	1664.0	197.3	37.9
7°	12591.4	12385.5	12068.6	11694.6	11296.0	10687.6	10399.3	7470.5	1695.9	196.6	38.5
5°	12586.7	12318.4	11953.7	11570.4	11129.3	10558.7	10364.1	7518.3	1710.5	194.6	39.2
3°	12562.1	12285.1	11850.7	11389.0	10980.5	10455.7	10348.1	7548.8	1723.8	192.6	39.2
1°	12523.0	12204.8	11718.5	11286.7	10876.2	10358.7	10330.8	7561.5	1720.5	190.6	39.2
0°	12483.8	12166.2	11675.3	11233.6	10828.4	10306.3	10305.6	7593.4	1714.5	189.3	39.2
-1°	12420.0	12083.2	11599.6	11154.5	10765.9	10315.6	10306.9	7564.8	1707.9	187.3	39.9
-3°	12245.3	11930.4	11474.7	11036.3	10651.7	10247.8	10284.3	7536.9	1695.9	185.3	40.5
-5°	12047.3	11742.4	11333.9	10898.8	10519.5	10146.2	10232.5	7458.5	1668.0	184.0	40.5
-7°	11795.6	11566.4	11130.0	10707.5	10348.1	10001.4	10134.9	7382.8	1637.4	182.7	41.2
-9°	11537.8	11298.0	10909.4	10488.9	10158.8	9881.1	10001.4	7265.2	1596.9	181.3	41.2
-11°	11274.8	11027.7	10639.7	10249.1	9934.3	9692.5	9860.5	7133.7	1551.8	181.3	41.8
-13°	10959.9	10734.1	10382.0	10030.6	9728.3	9549.7	9709.1	6967.6	1496.6	182.0	41.8
-15°	10717.5	10476.3	10138.9	9810.0	9535.7	9402.8	9532.4	6755.7	1444.1	183.3	42.5
-17°	10428.5	10219.9	9911.7	9604.8	9357.0	9261.4	9355.7	6541.1	1376.4	184.0	42.5
-19.5°	9864.5	9674.5	9479.2	9277.3	9114.5	9084.0	9129.8	6259.5	1284.7	185.3	42.5
-22.5°	9485.2	9292.6	9080.0	8923.2	8811.6	8916.6	8858.8	5868.9	1154.5	187.3	42.5
-25.5°	9174.3	8997.0	8784.4	8633.6	8569.8	8799.7	8609.7	5446.4	1009.0	187.3	42.5
-29°	8694.7	8539.9	8349.3	8206.5	8171.9	8530.0	8126.8	4958.2	837.7	184.7	42.5
-33°	8169.3	7995.2	7802.6	7650.5	7586.0	8068.3	7330.3	4372.9	623.8	177.4	42.5
-37.5°	7834.5	7639.9	7424.6	7185.5	7040.0	7105.8	6265.5	3533.3	362.7	164.7	41.8
-42.5°	7024.7	6905.2	6640.1	6381.7	6000.4	5544.1	4671.9	2534.2	277.0	149.5	41.8
-47.5°	4644.6	4556.9	4471.9	4309.2	3945.8	3471.5	2917.5	1403.6	263.7	130.9	41.2
-55°	1283.4	1301.3	1378.4	1284.0	1122.6	983.8	954.6	428.5	242.5	100.3	39.2
-65°	805.8	817.1	666.3	471.6	318.9	243.8	247.1	164.1	161.4	58.5	36.5
-75°	98.3	99.0	83.0	79.0	79.7	91.0	95.0	79.0	63.8	33.2	33.9
-85°	44.5	43.8	42.5	41.2	40.5	38.5	35.9	32.5	29.9	30.6	30.6
-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):

	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)