

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: P507815

Luminaire Tested: **UFLD-L-CA4-250-730-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507815
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-CA4-250-730-U-66
Description: UTILITY FLOOD LARGE, 6x6 OPTIC
Light Source: (4) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	37881 lumens	Max Intensity:	20216.1 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	150.7 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:	28145.6 lumens	Field Lumens:	36607.6 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%

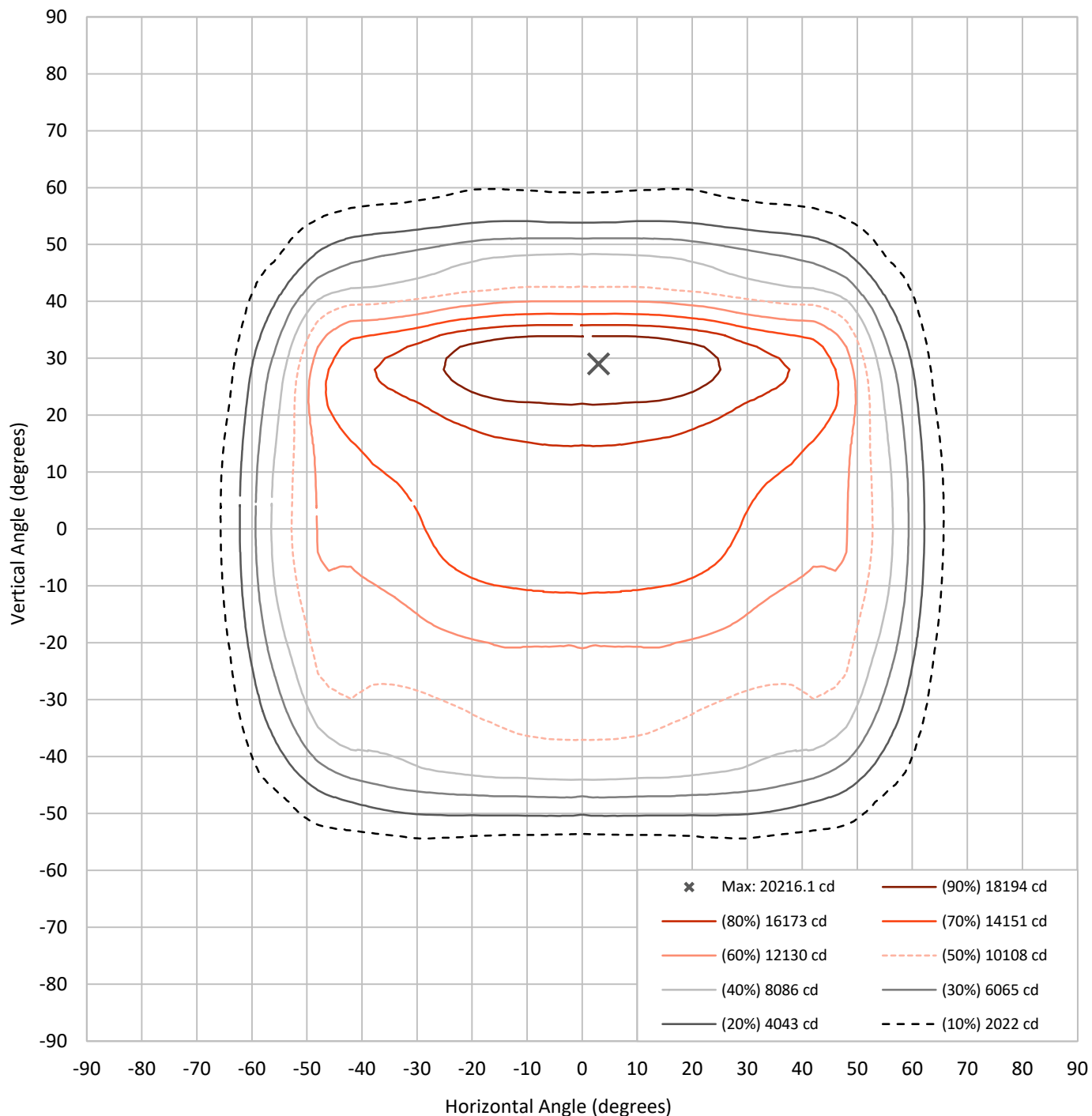
Input Watts (W): 251.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Candela Plot

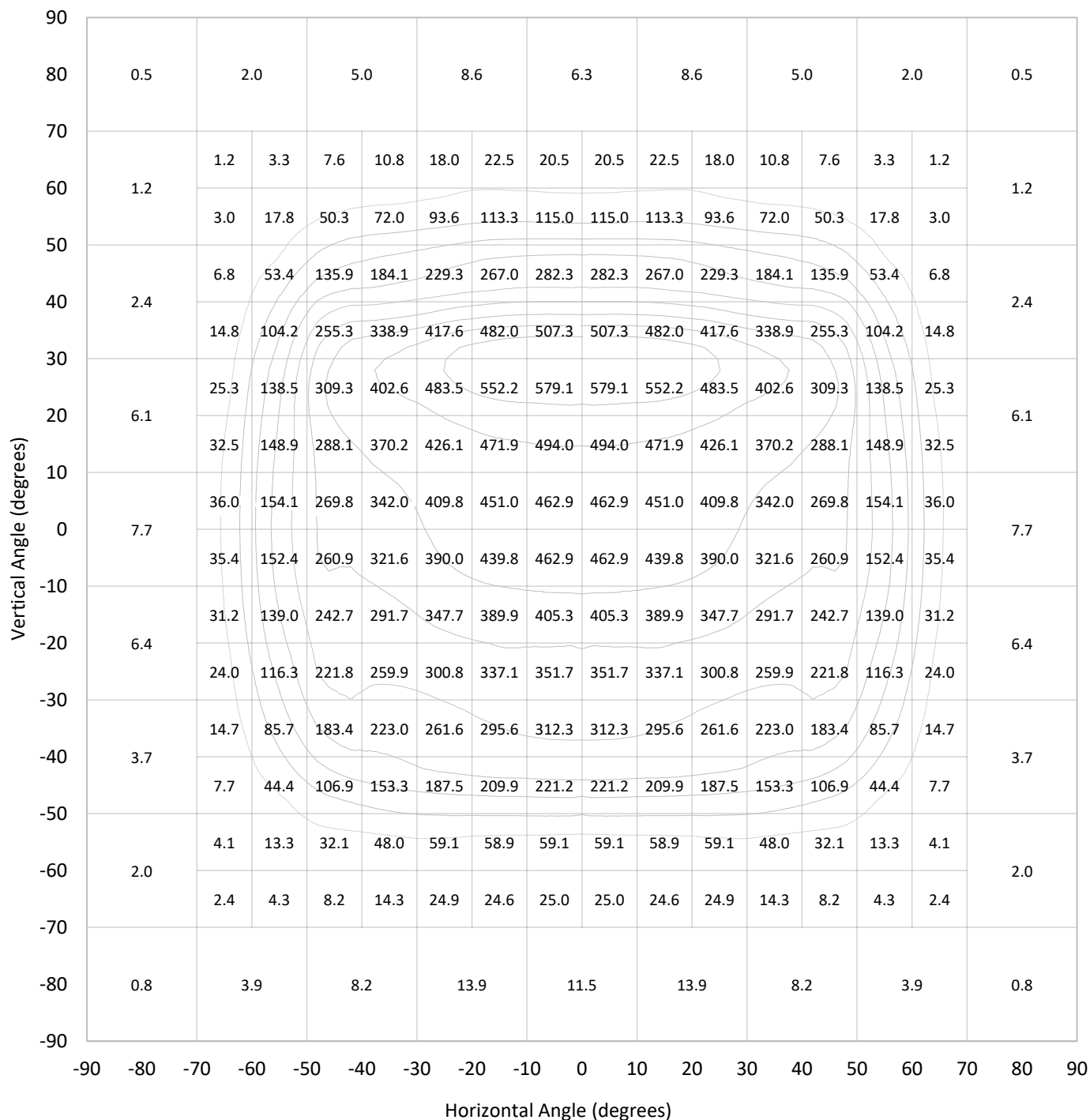




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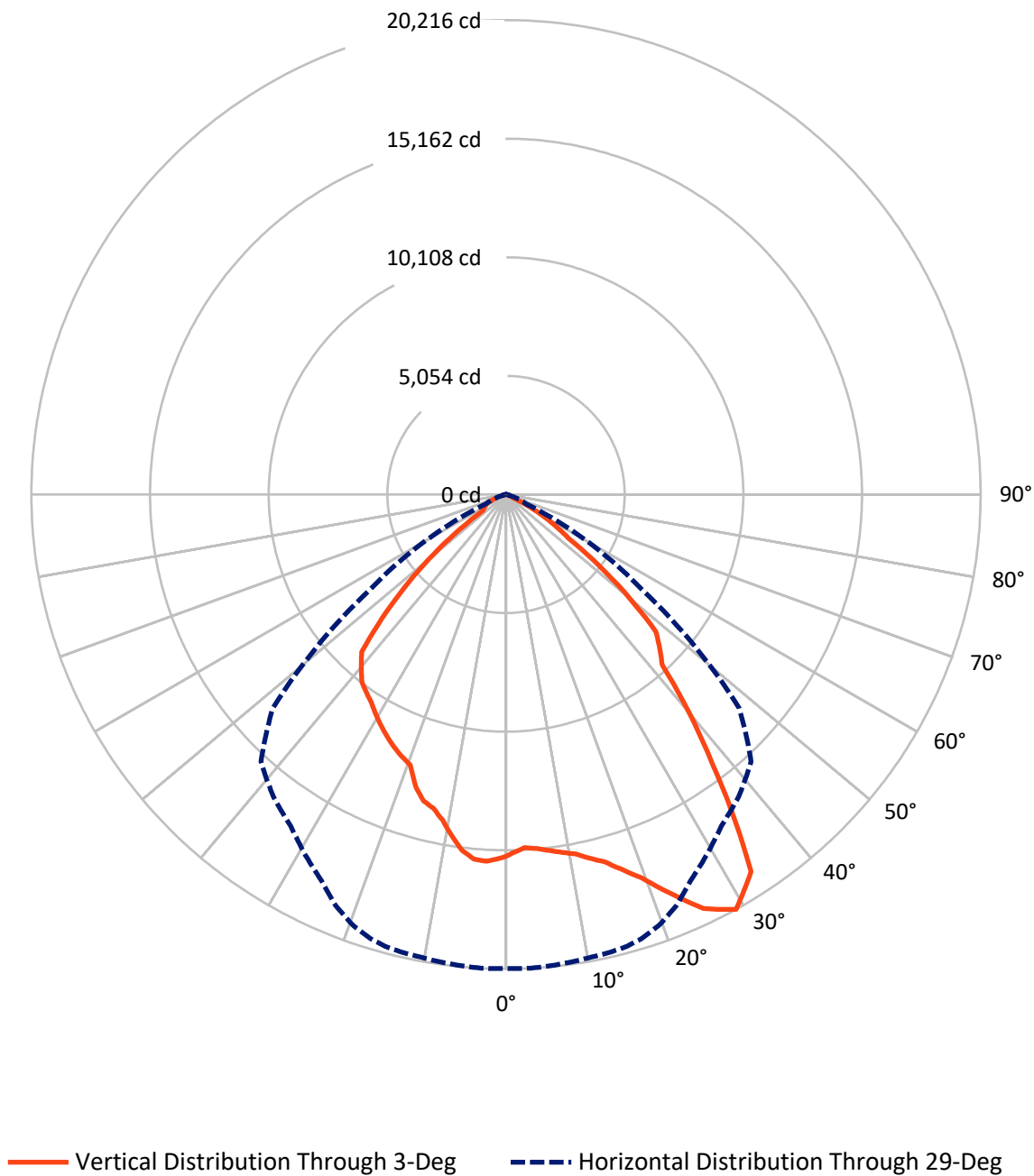
Lumen Table



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Luminous Intensity Polar Plot

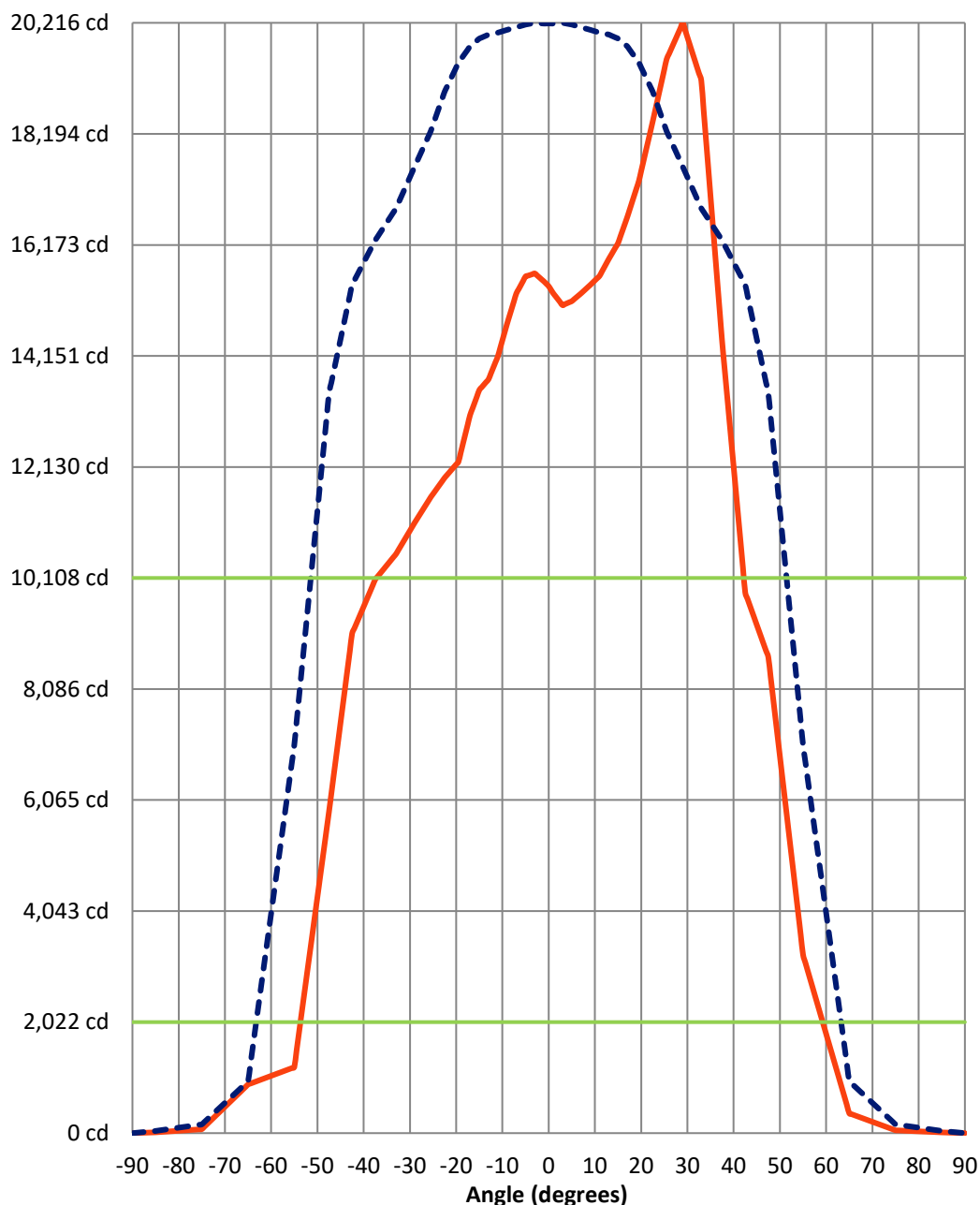




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Luminous Intensity Plot



Beam:
H Angle: 102.9°
V Angle: 79.4°
Lumens: 28145.6
Efficiency: 74.3%

Field:
H Angle: 126.5°
V Angle: 112.9°
Lumens: 36607.6
Efficiency: 96.6%

Spill:
Lumens: 1273.4
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	6.4	13.6	32.0	41.6	48.8	53.6	56.0	56.8	56.8	54.4
75°	47.2	48.0	51.2	46.4	36.8	40.0	58.4	66.4	73.6	76.0	72.0
65°	364.9	362.5	360.1	357.7	347.3	332.1	326.5	358.5	440.2	525.0	566.6
55°	3185.2	3173.9	3249.2	3196.4	3300.4	3400.4	3436.4	3446.8	3458.8	3398.0	3315.6
47.5°	8635.1	8710.3	8663.1	8656.7	8602.3	8517.5	8466.3	8383.0	8310.2	8295.0	8046.1
42.5°	9908.4	9874.8	9843.6	9913.2	9873.2	9906.8	9902.8	9817.9	9758.7	9637.1	9515.4
37.5°	14360.4	14385.2	14416.4	14422.8	14442.0	14361.2	14305.2	14245.9	14132.3	13938.6	13660.9
33°	19173.3	19217.3	19164.5	19161.3	19203.7	19184.5	19102.1	19025.3	18856.4	18629.1	18371.4
29°	20204.9	20202.5	20216.1	20184.1	20135.3	20088.1	20036.8	20002.4	19928.8	19787.1	19491.8
25.5°	19518.3	19529.5	19552.7	19534.3	19472.6	19438.2	19394.2	19334.2	19206.1	19054.1	18802.8
22.5°	18368.2	18456.3	18421.9	18398.6	18345.8	18261.8	18278.6	18221.8	18122.5	17967.3	17703.2
19.5°	17300.6	17344.7	17335.9	17271.8	17239.0	17170.2	17138.2	17096.6	17012.5	16916.5	16736.4
17°	16617.2	16698.8	16681.2	16642.0	16590.8	16545.2	16487.6	16452.3	16383.5	16277.9	16059.4
15°	16211.5	16248.3	16205.1	16197.1	16204.3	16113.8	16077.0	15987.4	15965.8	15876.9	15684.1
13°	15868.9	15887.3	15916.1	15870.5	15862.5	15830.5	15753.7	15716.1	15640.8	15604.8	15465.6
11°	15600.0	15725.7	15607.2	15640.0	15603.2	15598.4	15555.2	15534.4	15478.4	15423.2	15337.5
9°	15460.0	15481.6	15444.0	15442.4	15425.6	15395.2	15384.8	15383.2	15372.0	15341.5	15288.7
7°	15288.7	15307.1	15289.5	15271.9	15259.1	15246.3	15282.3	15294.3	15346.3	15303.1	15252.7
5°	15171.9	15154.3	15147.9	15144.7	15176.7	15176.7	15247.1	15287.1	15335.9	15349.5	15283.9
3°	15071.8	15093.5	15074.2	15097.5	15160.7	15194.3	15288.7	15347.1	15379.2	15380.0	15353.5
1°	15227.1	15279.9	15290.3	15306.3	15329.5	15350.3	15420.8	15472.8	15438.4	15440.0	15332.7
0°	15372.8	15393.6	15420.8	15402.4	15432.8	15451.2	15501.6	15512.0	15498.4	15437.6	15293.5
-1°	15525.6	15520.8	15505.6	15502.4	15509.6	15488.0	15516.0	15481.6	15440.8	15386.4	15251.1
-3°	15635.2	15675.3	15653.7	15628.8	15550.4	15550.4	15519.2	15391.2	15335.9	15279.1	15088.7
-5°	15543.2	15594.4	15597.6	15518.4	15396.8	15364.8	15265.5	15188.7	15092.7	14999.8	14807.7
-7°	15338.3	15311.1	15287.1	15184.7	15104.7	15029.4	14897.4	14763.7	14738.9	14650.9	14482.0
-9°	14773.3	14792.5	14735.7	14708.5	14620.5	14522.8	14484.4	14389.2	14338.8	14260.4	14105.1
-11°	14212.3	14135.5	14141.1	14160.3	14097.9	14098.7	14057.1	13999.5	13992.3	13917.8	13786.6
-13°	13769.8	13764.2	13726.6	13758.6	13746.6	13748.2	13709.0	13701.7	13688.1	13636.9	13460.1
-15°	13477.7	13524.9	13529.7	13502.5	13508.9	13493.7	13479.3	13444.9	13434.5	13353.6	13168.8
-17°	13052.7	13068.7	13072.7	13070.3	13050.3	13066.3	13083.9	13070.3	13019.9	12958.3	12809.4
-19.5°	12266.8	12202.8	12225.2	12247.6	12254.0	12253.2	12278.8	12322.1	12282.0	12201.2	12078.0
-22.5°	11986.7	11973.1	11931.5	11945.1	11938.7	11918.7	11918.7	11921.9	11898.7	11813.9	11645.8
-25.5°	11566.6	11585.8	11579.4	11570.6	11569.0	11533.0	11534.6	11540.2	11494.6	11400.9	11249.7
-29°	11103.2	11116.0	11111.2	11089.6	11060.0	10995.2	10968.0	10907.1	10826.3	10774.3	10651.8
-33°	10575.8	10543.8	10545.4	10542.2	10503.0	10465.4	10419.8	10343.7	10260.5	10195.7	10066.0
-37.5°	10078.8	10097.2	10080.4	10086.0	10063.6	10026.0	9985.2	9927.6	9846.0	9752.3	9623.5
-42.5°	9129.7	9116.1	9095.3	9049.7	9031.3	8944.0	8890.4	8892.0	8873.6	8802.4	8679.9
-47.5°	5667.6	5818.1	5852.5	5822.9	5794.1	5782.1	5721.3	5716.5	5721.3	5682.9	5588.4
-55°	1170.8	1166.8	1200.4	1224.4	1274.1	1293.3	1302.9	1267.7	1306.9	1387.7	1426.9
-65°	901.9	898.7	885.9	885.1	873.1	868.3	867.5	859.5	865.1	889.1	916.3
-75°	70.4	70.4	71.2	63.2	58.4	65.6	85.6	92.0	101.6	97.6	108.8
-85°	2.4	7.2	14.4	33.6	43.2	49.6	54.4	56.8	56.8	56.0	55.2
-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°	50.4	47.2	44.8	41.6	36.0	30.4	26.4	22.4	25.6	22.4	27.2
75°	64.8	65.6	82.4	103.2	92.8	62.4	43.2	36.0	47.2	27.2	29.6
65°	493.8	318.5	197.7	148.9	120.8	102.4	125.6	95.2	88.0	44.0	31.2
55°	3111.5	2904.2	2752.2	2558.5	2495.3	2316.8	1874.3	762.7	140.1	71.2	33.6
47.5°	7776.4	7428.3	7035.3	6595.2	6215.8	5690.9	4662.5	2039.9	168.1	92.0	36.0
42.5°	9303.4	8907.2	8669.5	8348.6	7993.3	7875.6	7092.2	3513.3	172.9	104.8	36.8
37.5°	13423.2	12979.9	12369.3	11897.9	11525.0	11471.3	10002.8	4959.4	275.3	120.8	38.4
33°	17876.9	17227.0	16385.1	15657.7	15023.8	14454.8	12256.4	6123.8	641.0	139.3	39.2
29°	18962.0	18243.4	17594.4	16838.9	16256.3	15448.0	13464.9	7069.8	942.7	159.3	40.0
25.5°	18289.0	17750.4	17119.0	16525.2	16089.0	15524.8	13986.7	7598.7	1186.8	177.7	40.8
22.5°	17295.8	16822.9	16297.9	15920.2	15683.3	15247.1	13946.6	7891.7	1381.3	193.7	41.6
19.5°	16423.5	16093.8	15669.7	15436.0	15333.5	14809.3	13544.1	8185.4	1556.6	210.5	42.4
17°	15820.1	15536.0	15255.9	15145.5	15043.0	14366.0	13177.6	8391.0	1699.8	219.3	43.2
15°	15467.2	15261.5	15060.6	14981.4	14788.5	13976.2	12933.5	8527.9	1799.9	226.5	44.0
13°	15298.3	15163.1	14983.8	14833.4	14504.4	13624.1	12753.4	8688.7	1881.5	232.9	44.0
11°	15205.5	15079.8	14839.8	14617.3	14154.7	13312.8	12647.0	8827.2	1948.7	236.1	44.8
9°	15152.7	15001.4	14708.5	14316.4	13869.0	13042.3	12583.7	8927.2	2004.7	237.7	45.6
7°	15169.5	14921.4	14539.7	14089.1	13608.9	12875.9	12528.5	9000.1	2043.1	236.9	46.4
5°	15163.9	14840.6	14401.2	13939.4	13408.0	12720.6	12486.1	9057.7	2060.7	234.5	47.2
3°	15134.3	14800.5	14277.2	13721.0	13228.8	12596.6	12466.9	9094.5	2076.8	232.1	47.2
1°	15087.0	14703.7	14117.9	13597.7	13103.1	12479.7	12446.1	9109.7	2072.7	229.7	47.2
0°	15039.8	14657.3	14065.9	13533.7	13045.5	12416.5	12415.7	9148.1	2065.5	228.1	47.2
-1°	14963.0	14557.3	13974.6	13438.5	12970.3	12427.7	12417.3	9113.7	2057.5	225.7	48.0
-3°	14752.5	14373.2	13824.2	13296.0	12832.6	12346.1	12390.1	9080.1	2043.1	223.3	48.8
-5°	14514.0	14146.7	13654.5	13130.3	12673.4	12223.6	12327.7	8985.6	2009.5	221.7	48.8
-7°	14210.7	13934.6	13408.8	12899.9	12466.9	12049.2	12210.0	8894.4	1972.7	220.1	49.6
-9°	13900.2	13611.3	13143.1	12636.6	12238.8	11904.3	12049.2	8752.8	1923.9	218.5	49.6
-11°	13583.3	13285.6	12818.2	12347.7	11968.3	11677.0	11879.5	8594.3	1869.5	218.5	50.4
-13°	13204.0	12931.9	12507.7	12084.4	11720.2	11505.0	11697.0	8394.2	1803.1	219.3	50.4
-15°	12911.9	12621.4	12214.8	11818.7	11488.1	11328.1	11484.1	8138.9	1739.8	220.9	51.2
-17°	12563.7	12312.4	11941.1	11571.4	11272.9	11157.6	11271.3	7880.4	1658.2	221.7	51.2
-19.5°	11884.3	11655.4	11420.1	11176.8	10980.8	10944.0	10999.2	7541.1	1547.8	223.3	51.2
-22.5°	11427.3	11195.2	10939.2	10750.3	10615.8	10742.3	10672.7	7070.6	1390.9	225.7	51.2
-25.5°	11052.8	10839.1	10583.0	10401.4	10324.5	10601.4	10372.5	6561.6	1215.6	225.7	51.2
-29°	10475.0	10288.5	10058.8	9886.8	9845.2	10276.5	9790.7	5973.4	1009.2	222.5	51.2
-33°	9842.0	9632.3	9400.2	9216.9	9139.3	9720.3	8831.2	5268.3	751.5	213.7	51.2
-37.5°	9438.6	9204.1	8944.8	8656.7	8481.5	8560.7	7548.3	4256.7	437.0	198.5	50.4
-42.5°	8463.1	8319.0	7999.7	7688.4	7229.0	6679.2	5628.4	3053.1	333.7	180.1	50.4
-47.5°	5595.6	5490.0	5387.5	5191.5	4753.7	4182.3	3514.9	1691.0	317.7	157.7	49.6
-55°	1546.2	1567.8	1660.6	1547.0	1352.5	1185.2	1150.0	516.2	292.1	120.8	47.2
-65°	970.8	984.4	802.7	568.2	384.1	293.7	297.7	197.7	194.5	70.4	44.0
-75°	118.4	119.2	100.0	95.2	96.0	109.6	114.4	95.2	76.8	40.0	40.8
-85°	53.6	52.8	51.2	49.6	48.8	46.4	43.2	39.2	36.0	36.8	36.8
-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):

	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)