

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: P507775

Luminaire Tested: **UFLD-CA2-130-750-U-66**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507775  
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-CA2-130-750-U-66  
Description: UTILITY FLOOD, 6x6 OPTIC  
Light Source: (2) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

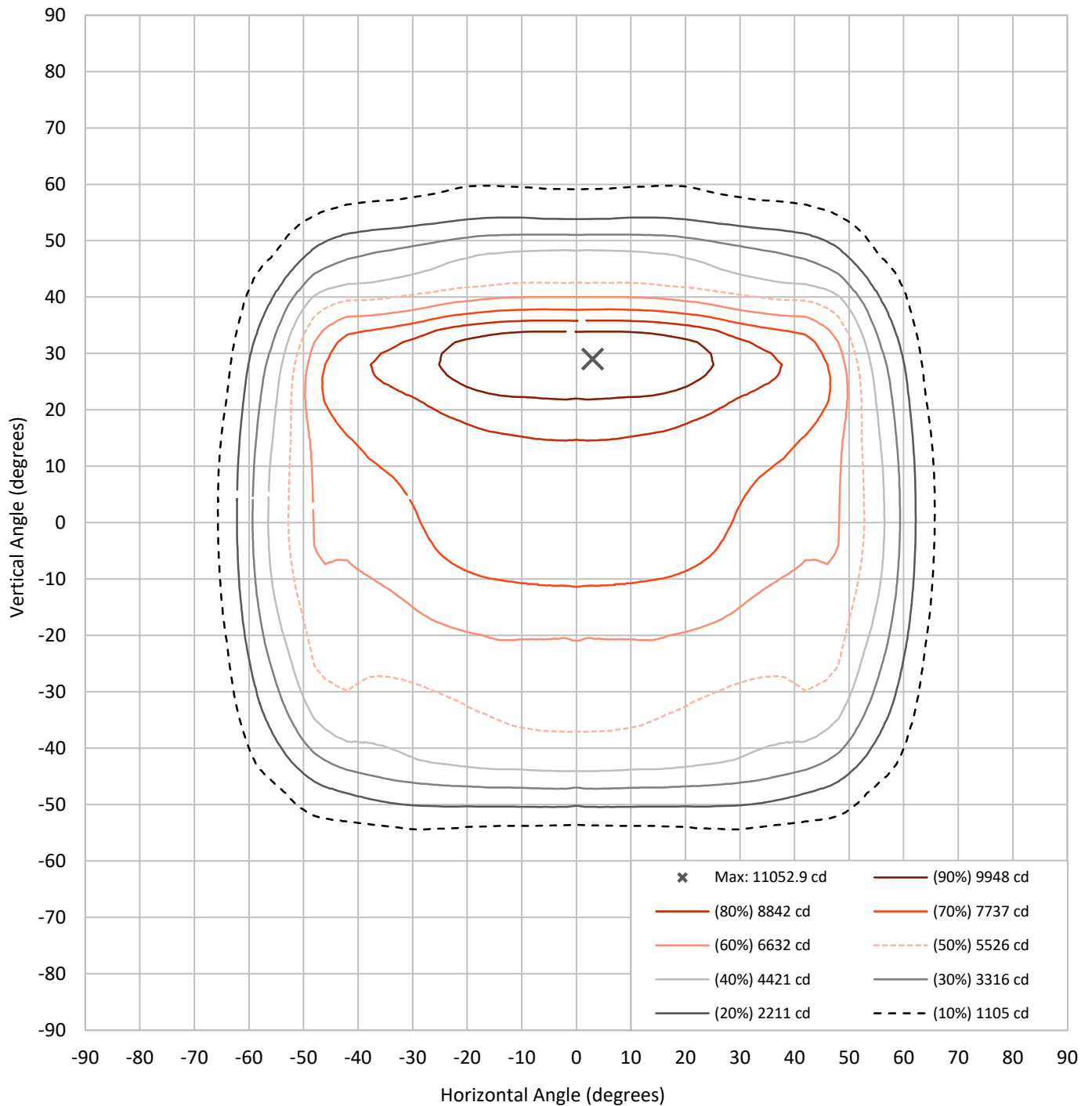
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	20711 lumens	Max Intensity:	11052.9 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	156.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.25' x L: 0.67' x H: 0')		
Beam Angle (50%):	102.9°H x 79.4°V	Field Angle (10%):	126.5°H x 112.9°V
Beam Lumens:	15388.3 lumens	Field Lumens:	20014.8 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%
Input Watts (W):	132.7		
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

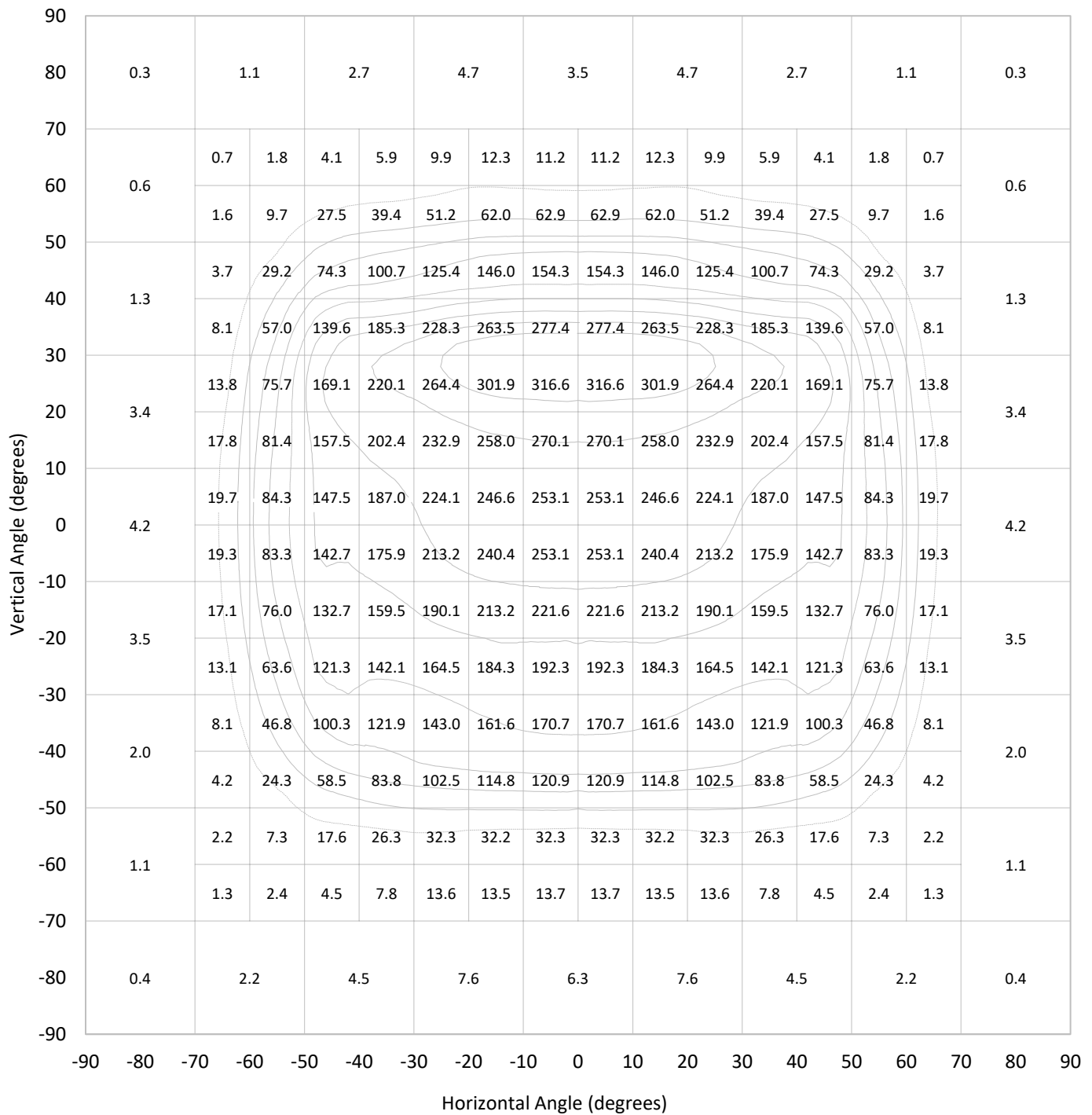




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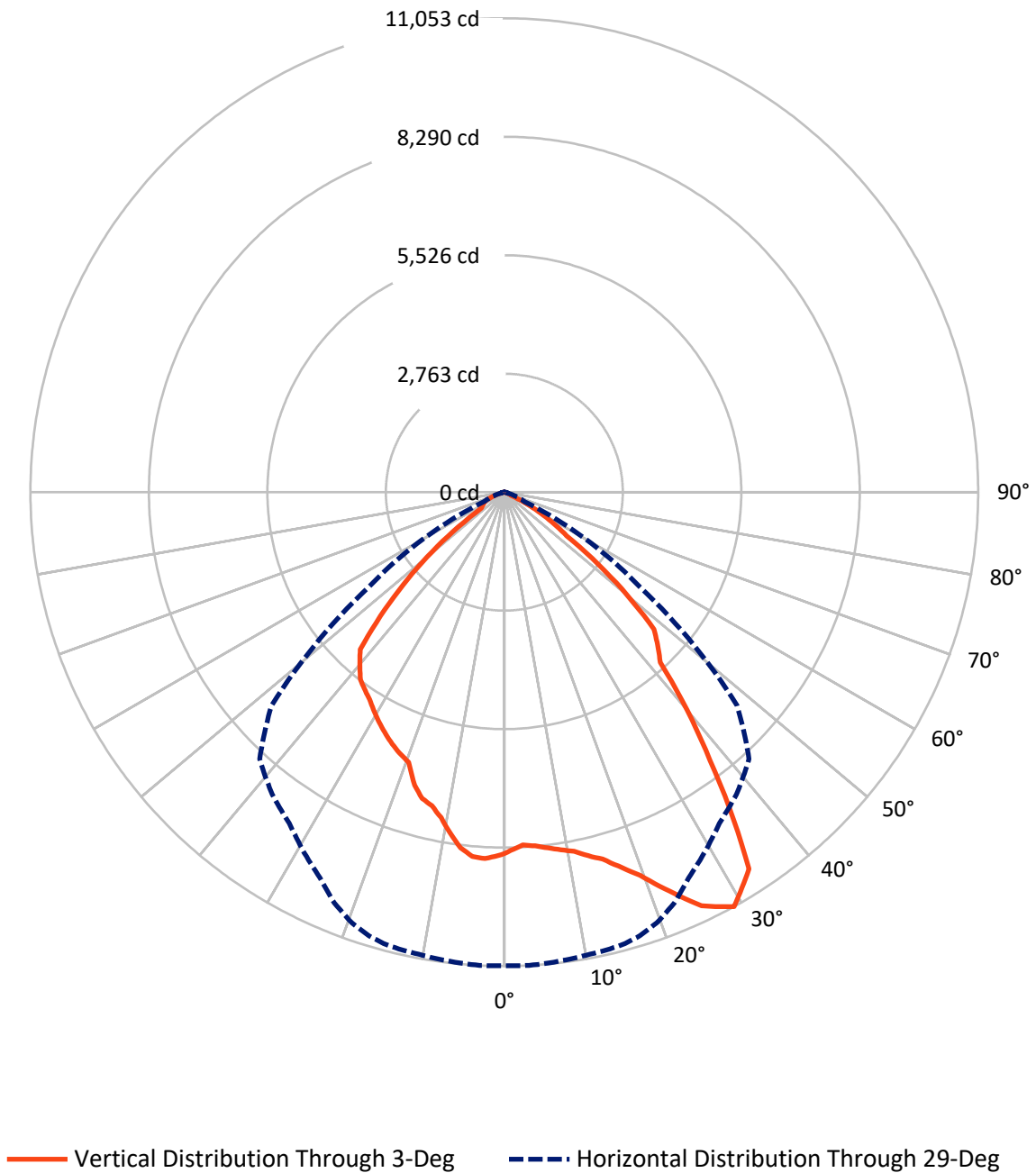
### Lumen Table



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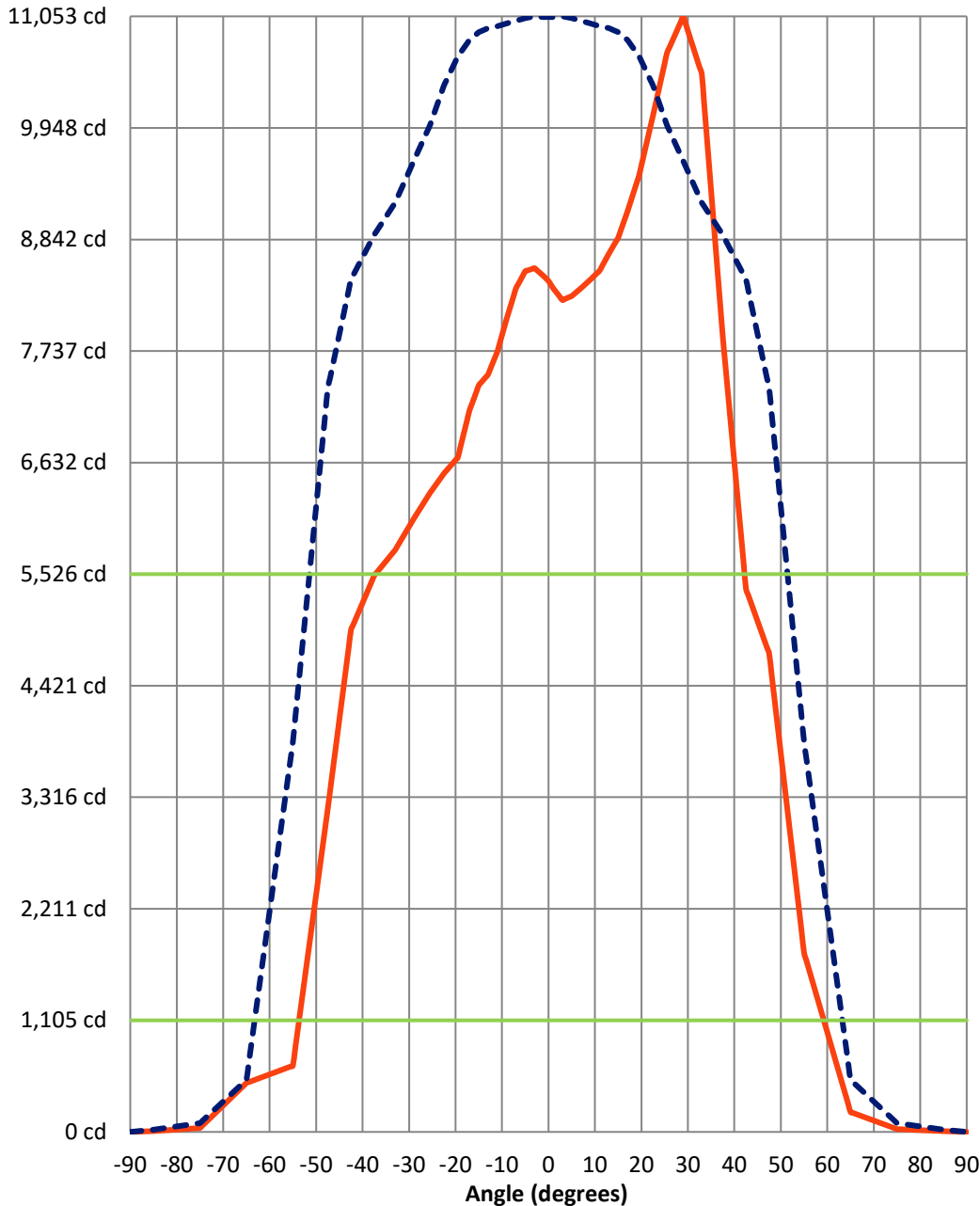
### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 102.9°  
 V Angle: 79.4°  
 Lumens: 15388.3  
 Efficiency: 74.3%

**Field:**  
 H Angle: 126.5°  
 V Angle: 112.9°  
 Lumens: 20014.8  
 Efficiency: 96.6%

**Spill:**  
 Lumens: 696.2  
 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°	0.4	3.5	7.4	17.5	22.8	26.7	29.3	30.6	31.1	31.1	29.8
75°	25.8	26.3	28.0	25.4	20.1	21.9	31.9	36.3	40.3	41.6	39.4
65°	199.5	198.2	196.9	195.6	189.9	181.6	178.5	196.0	240.7	287.0	309.8
55°	1741.4	1735.3	1776.4	1747.6	1804.5	1859.1	1878.8	1884.5	1891.1	1857.8	1812.8
47.5°	4721.2	4762.3	4736.5	4733.0	4703.2	4656.8	4628.8	4583.3	4543.5	4535.2	4399.1
42.5°	5417.3	5398.9	5381.9	5419.9	5398.0	5416.4	5414.2	5367.8	5335.5	5269.0	5202.5
37.5°	7851.4	7864.9	7882.0	7885.5	7896.0	7851.8	7821.2	7788.8	7726.7	7620.8	7469.0
33°	10482.8	10506.9	10478.0	10476.2	10499.4	10488.9	10443.9	10401.8	10309.5	10185.3	10044.4
29°	11046.8	11045.5	11052.9	11035.4	11008.7	10982.9	10954.9	10936.1	10895.8	10818.4	10656.9
25.5°	10671.4	10677.5	10690.2	10680.1	10646.4	10627.6	10603.6	10570.7	10500.7	10417.6	10280.2
22.5°	10042.6	10090.8	10071.9	10059.2	10030.4	9984.4	9993.6	9962.5	9908.3	9823.4	9679.0
19.5°	9458.9	9483.0	9478.2	9443.2	9425.2	9387.6	9370.1	9347.4	9301.4	9248.9	9150.5
17°	9085.3	9129.9	9120.3	9098.8	9070.8	9045.9	9014.4	8995.1	8957.5	8899.7	8780.3
15°	8863.4	8883.6	8859.9	8855.6	8859.5	8810.0	8789.9	8740.9	8729.1	8680.5	8575.1
13°	8676.2	8686.2	8702.0	8677.0	8672.7	8655.2	8613.1	8592.6	8551.5	8531.8	8455.6
11°	8529.1	8597.8	8533.1	8551.0	8530.9	8528.3	8504.6	8493.3	8462.6	8432.4	8385.6
9°	8452.6	8464.4	8443.8	8442.9	8433.8	8417.1	8411.4	8410.6	8404.4	8387.8	8358.9
7°	8358.9	8369.0	8359.4	8349.7	8342.7	8335.7	8355.4	8362.0	8390.4	8366.8	8339.2
5°	8295.1	8285.4	8281.9	8280.2	8297.7	8297.7	8336.2	8358.1	8384.7	8392.2	8356.3
3°	8240.4	8252.2	8241.7	8254.4	8288.9	8307.3	8358.9	8390.9	8408.4	8408.8	8394.4
1°	8325.2	8354.1	8359.8	8368.6	8381.2	8392.6	8431.1	8459.6	8440.8	8441.6	8383.0
0°	8404.9	8416.3	8431.1	8421.1	8437.7	8447.8	8475.3	8481.0	8473.6	8440.3	8361.6
-1°	8488.4	8485.8	8477.5	8475.8	8479.7	8467.9	8483.2	8464.4	8442.1	8412.3	8338.4
-3°	8548.4	8570.3	8558.5	8544.9	8502.0	8502.0	8484.9	8414.9	8384.7	8353.7	8249.5
-5°	8498.1	8526.1	8527.8	8484.5	8418.0	8400.5	8346.2	8304.2	8251.7	8201.0	8096.0
-7°	8386.1	8371.2	8358.1	8302.1	8258.3	8217.2	8145.0	8071.9	8058.3	8010.2	7917.9
-9°	8077.2	8087.7	8056.6	8041.7	7993.6	7940.2	7919.2	7867.1	7839.6	7796.7	7711.8
-11°	7770.4	7728.4	7731.5	7742.0	7707.9	7708.3	7685.5	7654.0	7650.1	7609.4	7537.7
-13°	7528.5	7525.4	7504.8	7522.3	7515.8	7516.7	7495.2	7491.3	7483.8	7455.8	7359.1
-15°	7368.8	7394.6	7397.2	7382.3	7385.8	7377.5	7369.6	7350.8	7345.1	7300.9	7199.9
-17°	7136.4	7145.2	7147.4	7146.0	7135.1	7143.9	7153.5	7146.0	7118.5	7084.8	7003.4
-19.5°	6706.7	6671.7	6684.0	6696.2	6699.7	6699.3	6713.3	6736.9	6715.1	6670.9	6603.5
-22.5°	6553.6	6546.2	6523.4	6530.9	6527.4	6516.4	6516.4	6518.2	6505.5	6459.1	6367.2
-25.5°	6323.9	6334.4	6330.9	6326.1	6325.2	6305.5	6306.4	6309.5	6284.5	6233.3	6150.6
-29°	6070.6	6077.6	6074.9	6063.1	6046.9	6011.5	5996.6	5963.4	5919.2	5890.7	5823.8
-33°	5782.2	5764.7	5765.6	5763.8	5742.4	5721.8	5696.9	5655.3	5609.8	5574.4	5503.5
-37.5°	5510.5	5520.6	5511.4	5514.4	5502.2	5481.6	5459.3	5427.8	5383.2	5332.0	5261.5
-42.5°	4991.6	4984.1	4972.7	4947.8	4937.7	4890.0	4860.7	4861.6	4851.5	4812.6	4745.7
-47.5°	3098.7	3181.0	3199.8	3183.6	3167.9	3161.3	3128.0	3125.4	3128.0	3107.0	3055.4
-55°	640.1	637.9	656.3	669.4	696.6	707.1	712.3	693.1	714.5	758.7	780.1
-65°	493.1	491.4	484.4	483.9	477.4	474.7	474.3	469.9	473.0	486.1	501.0
-75°	38.5	38.5	38.9	34.6	31.9	35.9	46.8	50.3	55.6	53.4	59.5
-85°	1.3	3.9	7.9	18.4	23.6	27.1	29.8	31.1	31.1	30.6	30.2
-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°	27.6	25.8	24.5	22.8	19.7	16.6	14.4	12.3	14.0	12.3	14.9
75°	35.4	35.9	45.1	56.4	50.8	34.1	23.6	19.7	25.8	14.9	16.2
65°	270.0	174.1	108.1	81.4	66.1	56.0	68.7	52.1	48.1	24.1	17.1
55°	1701.2	1587.9	1504.7	1398.8	1364.3	1266.7	1024.7	417.0	76.6	38.9	18.4
47.5°	4251.7	4061.3	3846.5	3605.8	3398.4	3111.4	2549.2	1115.3	91.9	50.3	19.7
42.5°	5086.5	4869.9	4740.0	4564.5	4370.2	4305.9	3877.6	1920.8	94.5	57.3	20.1
37.5°	7339.0	7096.6	6762.8	6505.0	6301.1	6271.8	5468.9	2711.5	150.5	66.1	21.0
33°	9774.0	9418.7	8958.4	8560.6	8214.1	7903.0	6701.1	3348.1	350.5	76.1	21.4
29°	10367.3	9974.4	9619.5	9206.5	8887.9	8446.0	7361.8	3865.3	515.4	87.1	21.9
25.5°	9999.3	9704.8	9359.6	9034.9	8796.5	8488.0	7647.0	4154.5	648.9	97.1	22.3
22.5°	9456.3	9197.7	8910.7	8704.2	8574.6	8336.2	7625.2	4314.7	755.2	105.9	22.8
19.5°	8979.4	8799.1	8567.2	8439.4	8383.4	8096.8	7405.1	4475.2	851.0	115.1	23.2
17°	8649.5	8494.1	8341.0	8280.6	8224.6	7854.4	7204.7	4587.7	929.4	119.9	23.6
15°	8456.5	8344.1	8234.2	8190.9	8085.5	7641.4	7071.2	4662.5	984.0	123.8	24.1
13°	8364.2	8290.2	8192.2	8110.0	7930.1	7448.8	6972.8	4750.5	1028.7	127.3	24.1
11°	8313.4	8244.7	8113.5	7991.8	7738.9	7278.6	6914.6	4826.2	1065.4	129.1	24.5
9°	8284.5	8201.9	8041.7	7827.3	7582.7	7130.7	6880.0	4880.9	1096.1	130.0	24.9
7°	8293.7	8158.1	7949.4	7703.0	7440.5	7039.7	6849.8	4920.7	1117.1	129.5	25.4
5°	8290.7	8113.9	7873.7	7621.2	7330.7	6954.8	6826.6	4952.2	1126.7	128.2	25.8
3°	8274.5	8092.0	7805.9	7501.8	7232.7	6887.0	6816.1	4972.3	1135.4	126.9	25.8
1°	8248.7	8039.1	7718.8	7434.4	7164.0	6823.1	6804.8	4980.6	1133.3	125.6	25.8
0°	8222.9	8013.7	7690.4	7399.4	7132.5	6788.6	6788.1	5001.6	1129.3	124.7	25.8
-1°	8180.9	7959.0	7640.5	7347.3	7091.4	6794.7	6789.0	4982.8	1124.9	123.4	26.3
-3°	8065.8	7858.4	7558.2	7269.4	7016.1	6750.1	6774.1	4964.4	1117.1	122.1	26.7
-5°	7935.4	7734.6	7465.5	7178.9	6929.0	6683.1	6740.0	4912.8	1098.7	121.2	26.7
-7°	7769.6	7618.6	7331.1	7052.8	6816.1	6587.7	6675.7	4862.9	1078.6	120.3	27.1
-9°	7599.8	7441.8	7185.9	6908.9	6691.4	6508.5	6587.7	4785.5	1051.9	119.5	27.1
-11°	7426.5	7263.7	7008.2	6750.9	6543.5	6384.3	6495.0	4698.8	1022.1	119.5	27.6
-13°	7219.1	7070.4	6838.5	6607.0	6407.9	6290.2	6395.2	4589.4	985.8	119.9	27.6
-15°	7059.4	6900.6	6678.3	6461.7	6281.0	6193.5	6278.8	4449.9	951.2	120.8	28.0
-17°	6869.1	6731.7	6528.7	6326.5	6163.3	6100.3	6162.4	4308.5	906.6	121.2	28.0
-19.5°	6497.6	6372.5	6243.8	6110.8	6003.6	5983.5	6013.7	4123.0	846.2	122.1	28.0
-22.5°	6247.8	6120.9	5980.9	5877.6	5804.1	5873.2	5835.2	3865.7	760.5	123.4	28.0
-25.5°	6043.0	5926.2	5786.1	5686.8	5644.8	5796.2	5671.1	3587.5	664.6	123.4	28.0
-29°	5727.1	5625.1	5499.6	5405.5	5382.7	5618.6	5353.0	3265.9	551.7	121.6	28.0
-33°	5381.0	5266.3	5139.4	5039.2	4996.8	5314.5	4828.4	2880.4	410.9	116.8	28.0
-37.5°	5160.5	5032.2	4890.5	4733.0	4637.1	4680.5	4127.0	2327.3	238.9	108.5	27.6
-42.5°	4627.1	4548.3	4373.7	4203.5	3952.4	3651.8	3077.3	1669.2	182.5	98.4	27.6
-47.5°	3059.3	3001.6	2945.6	2838.4	2599.0	2286.6	1921.7	924.5	173.7	86.2	27.1
-55°	845.3	857.2	907.9	845.8	739.5	648.0	628.8	282.2	159.7	66.1	25.8
-65°	530.7	538.2	438.9	310.7	210.0	160.6	162.8	108.1	106.3	38.5	24.1
-75°	64.8	65.2	54.7	52.1	52.5	59.9	62.6	52.1	42.0	21.9	22.3
-85°	29.3	28.9	28.0	27.1	26.7	25.4	23.6	21.4	19.7	20.1	20.1
-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)