

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: P507782

Luminaire Tested: **UFLD-CA2-150-760-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507782
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-CA2-150-760-U-66
Description: UTILITY FLOOD, 6x6 OPTIC
Light Source: (2) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

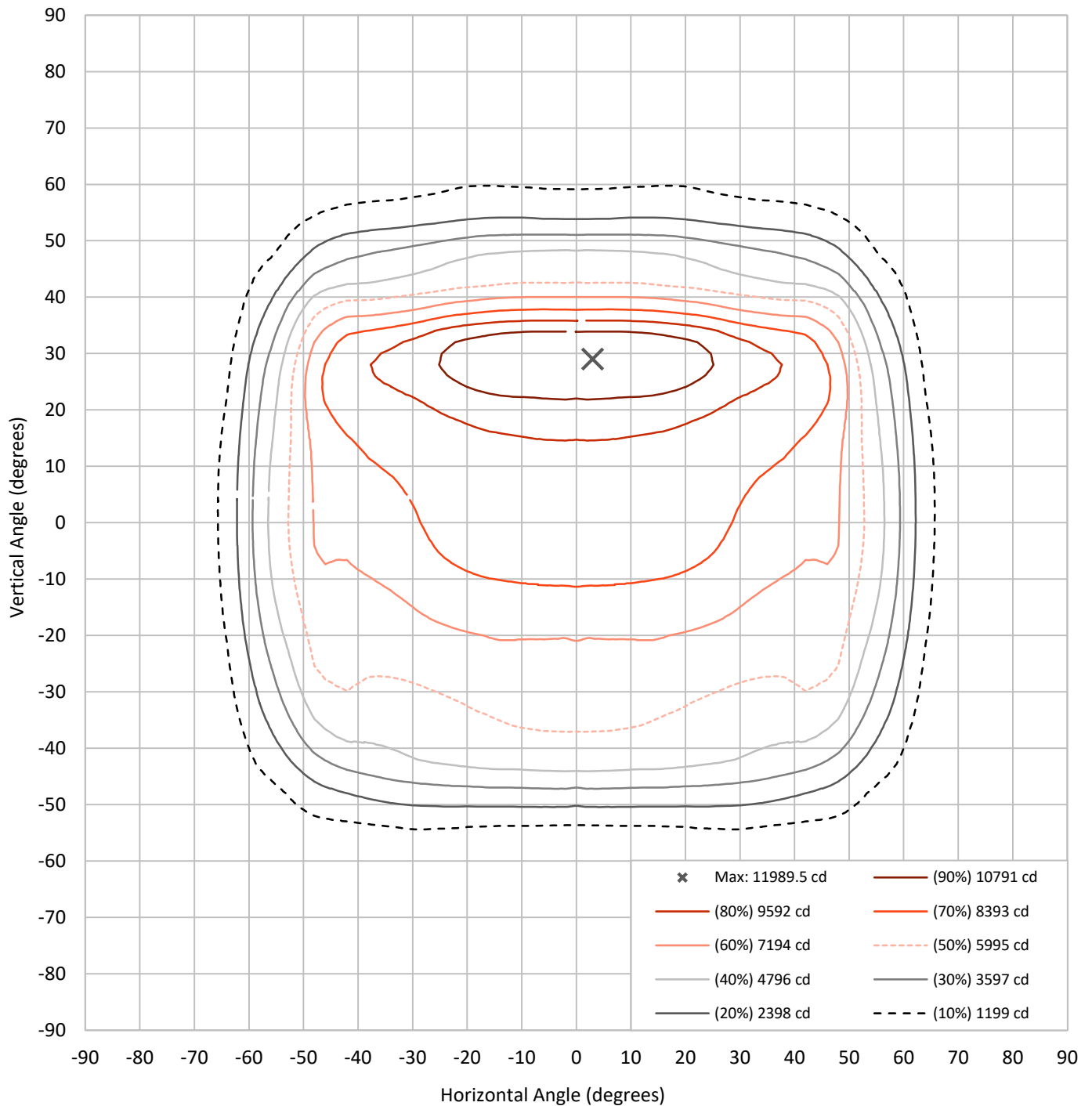
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	22466 lumens	Max Intensity:	11989.5 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	148.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.25' x L: 0.67' x H: 0')		
Beam Angle (50%):	102.9°H x 79.4°V	Field Angle (10%):	126.5°H x 112.9°V
Beam Lumens:	16692.2 lumens	Field Lumens:	21710.8 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%
Input Watts (W):	151.3		
Input Voltage (V):	120		
Input Current (A _{in}):	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

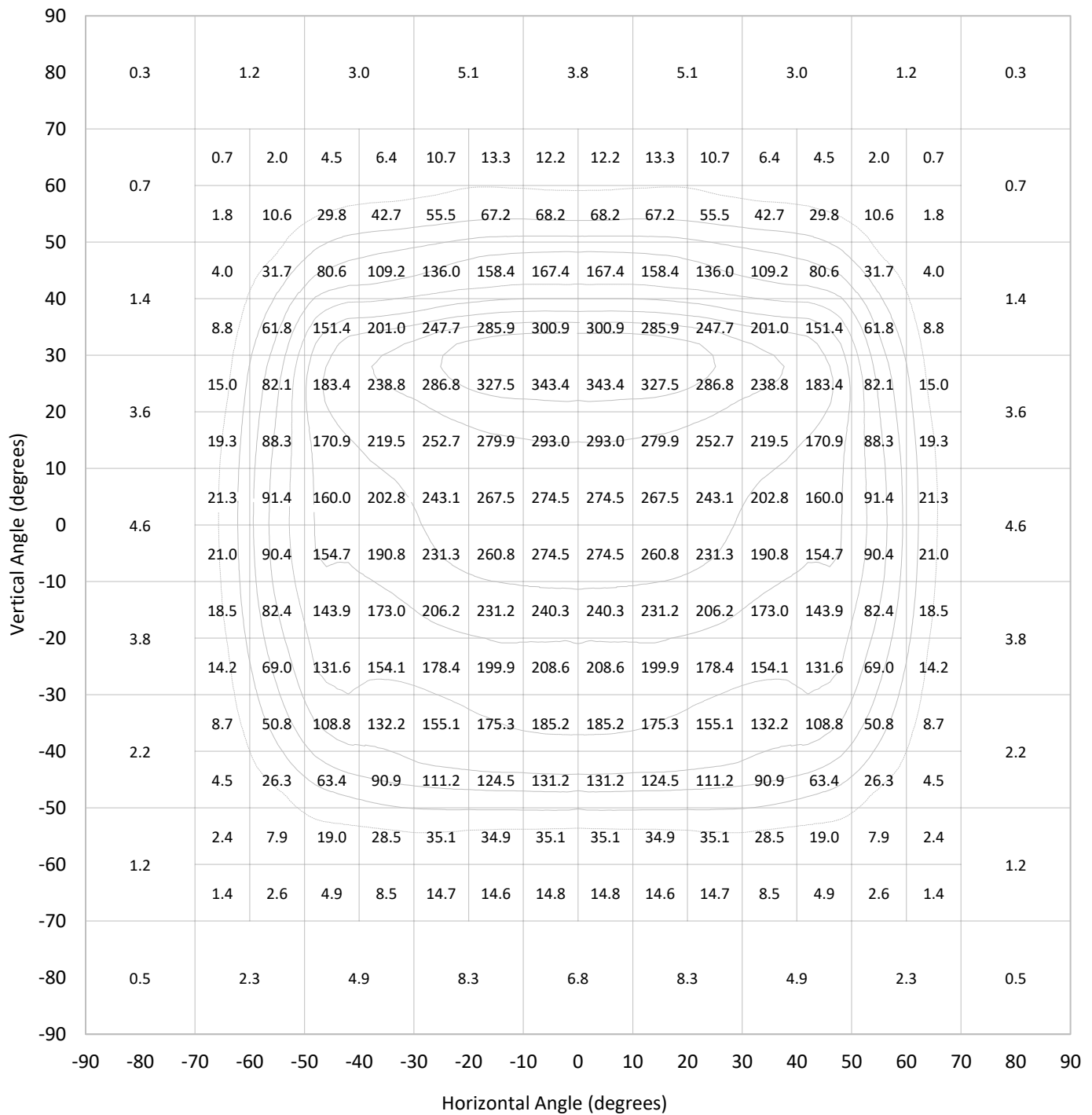




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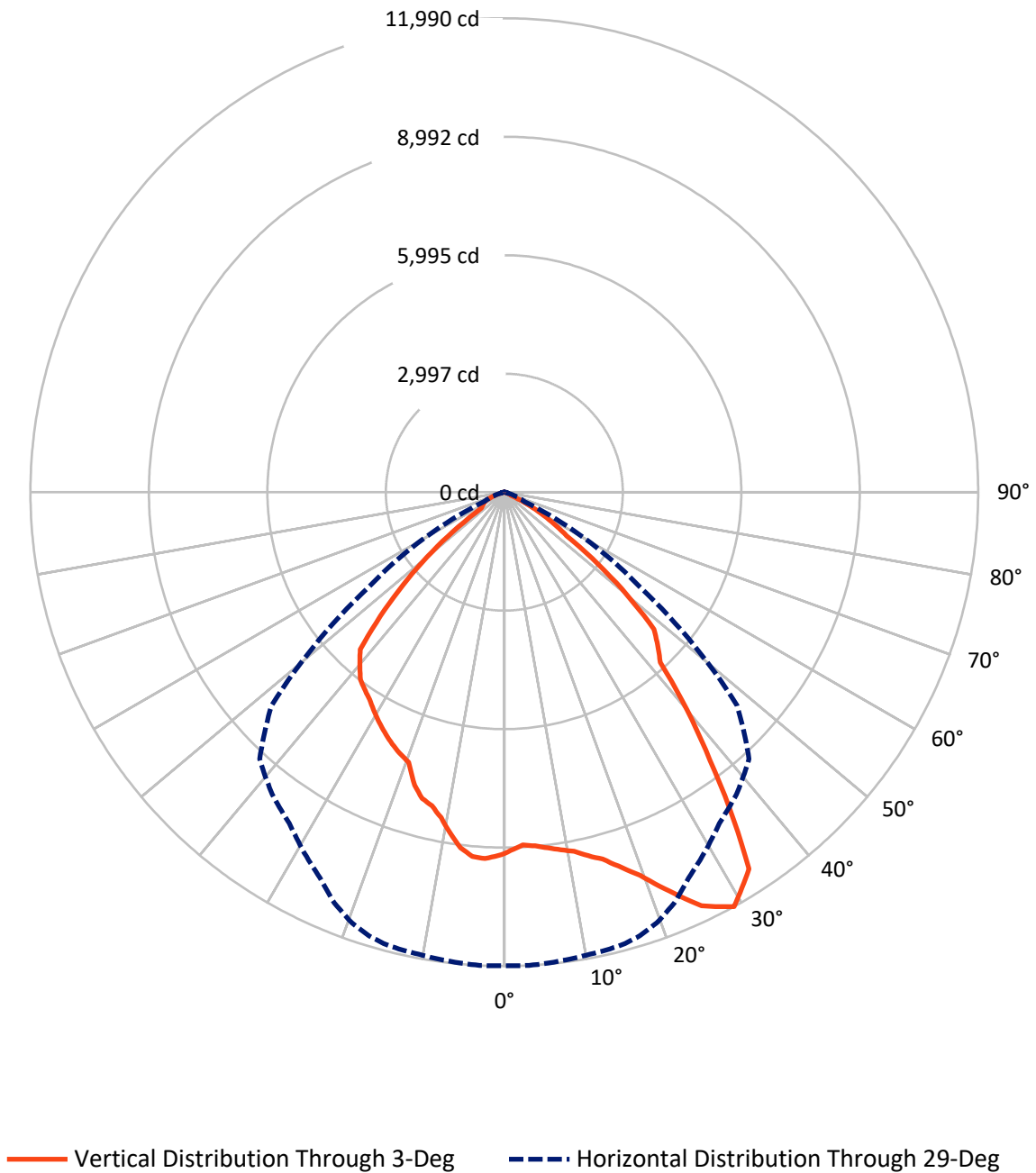
Lumen Table



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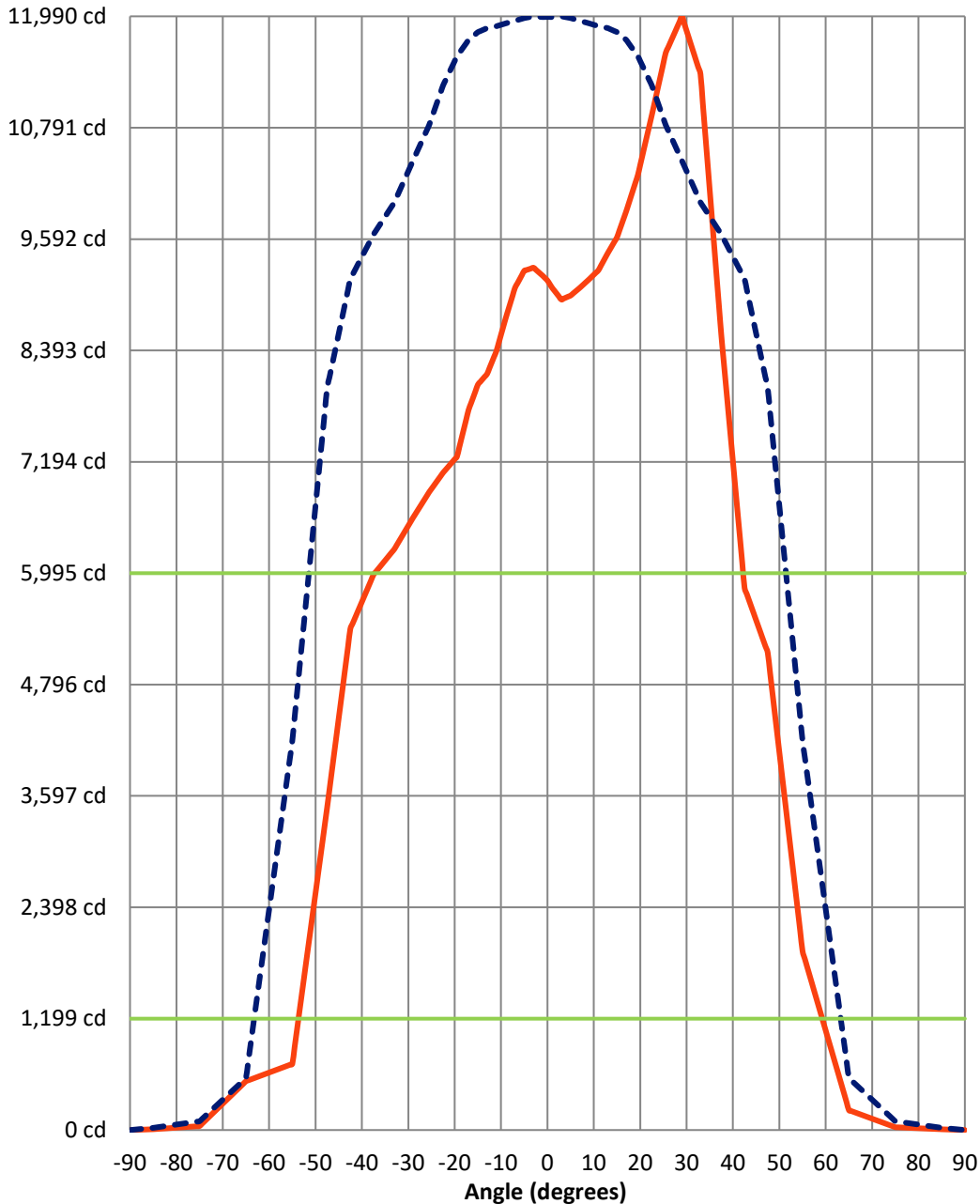
Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 102.9°
 V Angle: 79.4°
 Lumens: 16692.2
 Efficiency: 74.3%

Field:
 H Angle: 126.5°
 V Angle: 112.9°
 Lumens: 21710.8
 Efficiency: 96.6%

Spill:
 Lumens: 755.2
 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°	0.5	3.8	8.1	19.0	24.7	29.0	31.8	33.2	33.7	33.7	32.3
75°	28.0	28.5	30.4	27.5	21.8	23.7	34.6	39.4	43.7	45.1	42.7
65°	216.4	215.0	213.6	212.2	206.0	197.0	193.6	212.6	261.0	311.4	336.0
55°	1889.0	1882.4	1927.0	1895.7	1957.4	2016.7	2038.0	2044.2	2051.3	2015.3	1966.4
47.5°	5121.2	5165.8	5137.8	5134.0	5101.8	5051.4	5021.1	4971.7	4928.5	4919.5	4771.9
42.5°	5876.3	5856.4	5837.9	5879.2	5855.5	5875.4	5873.0	5822.7	5787.6	5715.4	5643.3
37.5°	8516.7	8531.4	8549.9	8553.7	8565.1	8517.2	8483.9	8448.8	8381.4	8266.6	8101.9
33°	11371.1	11397.2	11365.9	11364.0	11389.1	11377.7	11328.8	11283.3	11183.1	11048.3	10895.5
29°	11982.9	11981.5	11989.5	11970.5	11941.6	11913.6	11883.2	11862.8	11819.1	11735.1	11560.0
25.5°	11575.6	11582.3	11596.1	11585.1	11548.6	11528.2	11502.1	11466.5	11390.5	11300.4	11151.3
22.5°	10893.6	10945.8	10925.4	10911.6	10880.3	10830.5	10840.4	10806.8	10747.9	10655.8	10499.2
19.5°	10260.5	10286.6	10281.3	10243.4	10223.9	10183.1	10164.1	10139.4	10089.6	10032.6	9925.8
17°	9855.1	9903.5	9893.1	9869.8	9839.5	9812.4	9778.2	9757.4	9716.5	9653.9	9524.3
15°	9614.5	9636.3	9610.7	9605.9	9610.2	9556.6	9534.8	9481.6	9468.8	9416.1	9301.7
13°	9411.4	9422.3	9439.4	9412.3	9407.6	9388.6	9343.0	9320.7	9276.1	9254.7	9172.1
11°	9251.9	9326.4	9256.1	9275.6	9253.8	9250.9	9225.3	9213.0	9179.7	9147.0	9096.2
9°	9168.8	9181.6	9159.3	9158.4	9148.4	9130.4	9124.2	9123.3	9116.6	9098.6	9067.2
7°	9067.2	9078.2	9067.7	9057.3	9049.7	9042.1	9063.5	9070.6	9101.4	9075.8	9045.9
5°	8998.0	8987.5	8983.7	8981.8	9000.8	9000.8	9042.6	9066.3	9095.3	9103.3	9064.4
3°	8938.6	8951.4	8940.0	8953.8	8991.3	9011.2	9067.2	9101.9	9120.9	9121.4	9105.7
1°	9030.7	9062.0	9068.2	9077.7	9091.5	9103.8	9145.6	9176.4	9156.0	9157.0	9093.4
0°	9117.1	9129.4	9145.6	9134.6	9152.7	9163.6	9193.5	9199.7	9191.6	9155.5	9070.1
-1°	9207.7	9204.9	9195.9	9194.0	9198.2	9185.4	9202.0	9181.6	9157.4	9125.2	9044.9
-3°	9272.8	9296.5	9283.7	9269.0	9222.5	9222.5	9203.9	9128.0	9095.3	9061.6	8948.6
-5°	9218.2	9248.6	9250.5	9203.5	9131.3	9112.3	9053.5	9007.9	8951.0	8895.9	8782.0
-7°	9096.7	9080.5	9066.3	9005.5	8958.1	8913.5	8835.2	8755.9	8741.2	8689.0	8588.8
-9°	8761.6	8773.0	8739.3	8723.1	8670.9	8613.0	8590.2	8533.8	8503.9	8457.4	8365.3
-11°	8428.9	8383.3	8386.6	8398.0	8361.0	8361.5	8336.8	8302.6	8298.4	8254.2	8176.4
-13°	8166.4	8163.1	8140.8	8159.8	8152.6	8153.6	8130.3	8126.1	8118.0	8087.6	7982.7
-15°	7993.2	8021.2	8024.0	8007.9	8011.7	8002.7	7994.1	7973.7	7967.5	7919.6	7810.0
-17°	7741.1	7750.6	7753.0	7751.6	7739.7	7749.2	7759.7	7751.6	7721.7	7685.1	7596.9
-19.5°	7275.1	7237.1	7250.4	7263.7	7267.5	7267.0	7282.2	7307.8	7284.1	7236.1	7163.1
-22.5°	7108.9	7100.9	7076.2	7084.3	7080.5	7068.6	7068.6	7070.5	7056.7	7006.4	6906.8
-25.5°	6859.8	6871.2	6867.4	6862.1	6861.2	6839.8	6840.8	6844.1	6817.0	6761.5	6671.8
-29°	6585.0	6592.6	6589.7	6576.9	6559.3	6520.9	6504.7	6468.7	6420.7	6389.9	6317.3
-33°	6272.2	6253.2	6254.1	6252.2	6229.0	6206.7	6179.6	6134.5	6085.2	6046.7	5969.8
-37.5°	5977.4	5988.4	5978.4	5981.7	5968.4	5946.1	5921.9	5887.7	5839.3	5783.8	5707.4
-42.5°	5414.5	5406.5	5394.1	5367.1	5356.2	5304.4	5272.6	5273.6	5262.6	5220.4	5147.8
-47.5°	3361.3	3450.5	3470.9	3453.4	3436.3	3429.2	3393.1	3390.3	3393.1	3370.3	3314.3
-55°	694.4	692.0	711.9	726.2	755.6	767.0	772.7	751.8	775.1	823.0	846.3
-65°	534.9	533.0	525.4	524.9	517.8	515.0	514.5	509.7	513.1	527.3	543.4
-75°	41.8	41.8	42.2	37.5	34.6	38.9	50.8	54.6	60.3	57.9	64.5
-85°	1.4	4.3	8.5	19.9	25.6	29.4	32.3	33.7	33.7	33.2	32.7
-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°	29.9	28.0	26.6	24.7	21.4	18.0	15.7	13.3	15.2	13.3	16.1
75°	38.4	38.9	48.9	61.2	55.1	37.0	25.6	21.4	28.0	16.1	17.6
65°	292.8	188.9	117.2	88.3	71.7	60.8	74.5	56.5	52.2	26.1	18.5
55°	1845.3	1722.4	1632.2	1517.4	1479.9	1374.0	1111.6	452.3	83.1	42.2	19.9
47.5°	4611.9	4405.5	4172.4	3911.4	3686.4	3375.1	2765.2	1209.8	99.7	54.6	21.4
42.5°	5517.5	5282.6	5141.6	4951.3	4740.6	4670.8	4206.1	2083.6	102.5	62.2	21.8
37.5°	7960.9	7698.0	7335.8	7056.3	6835.1	6803.3	5932.3	2941.3	163.3	71.7	22.8
33°	10602.2	10216.8	9717.5	9286.1	8910.1	8572.7	7268.9	3631.8	380.2	82.6	23.3
29°	11245.8	10819.6	10434.6	9986.6	9641.1	9161.7	7985.6	4192.8	559.1	94.5	23.7
25.5°	10846.6	10527.2	10152.7	9800.5	9541.9	9207.3	8295.0	4506.6	703.9	105.4	24.2
22.5°	10257.6	9977.1	9665.8	9441.7	9301.2	9042.6	8271.3	4680.3	819.2	114.9	24.7
19.5°	9740.3	9544.7	9293.2	9154.6	9093.8	8782.9	8032.6	4854.5	923.1	124.8	25.2
17°	9382.4	9213.9	9047.8	8982.3	8921.5	8520.0	7815.2	4976.5	1008.1	130.0	25.6
15°	9173.1	9051.1	8932.0	8885.0	8770.6	8288.9	7670.4	5057.6	1067.4	134.3	26.1
13°	9072.9	8992.7	8886.4	8797.2	8602.1	8080.0	7563.6	5153.0	1115.8	138.1	26.1
11°	9017.9	8943.4	8801.0	8669.0	8394.7	7895.4	7500.5	5235.1	1155.7	140.0	26.6
9°	8986.6	8896.9	8723.1	8490.6	8225.3	7735.0	7463.0	5294.4	1188.9	141.0	27.1
7°	8996.5	8849.4	8623.0	8355.8	8071.0	7636.3	7430.3	5337.6	1211.7	140.5	27.5
5°	8993.2	8801.5	8540.9	8267.0	7951.9	7544.2	7405.1	5371.8	1222.2	139.1	28.0
3°	8975.6	8777.7	8467.3	8137.5	7845.6	7470.6	7393.7	5393.6	1231.7	137.6	28.0
1°	8947.6	8720.3	8372.9	8064.4	7771.0	7401.3	7381.4	5402.7	1229.3	136.2	28.0
0°	8919.6	8692.8	8342.0	8026.4	7736.9	7363.8	7363.3	5425.4	1225.0	135.3	28.0
-1°	8874.1	8633.4	8287.9	7969.9	7692.3	7370.5	7364.3	5405.0	1220.3	133.8	28.5
-3°	8749.2	8524.3	8198.7	7885.4	7610.6	7322.0	7348.2	5385.1	1211.7	132.4	29.0
-5°	8607.8	8390.0	8098.1	7787.2	7516.2	7249.4	7311.1	5329.1	1191.8	131.5	29.0
-7°	8427.9	8264.2	7952.4	7650.5	7393.7	7146.0	7241.4	5275.0	1170.0	130.5	29.4
-9°	8243.8	8072.4	7794.8	7494.3	7258.5	7060.1	7146.0	5191.0	1141.0	129.6	29.4
-11°	8055.8	7879.3	7602.1	7323.0	7098.0	6925.3	7045.3	5097.0	1108.7	129.6	29.9
-13°	7830.8	7669.5	7417.9	7166.8	6950.9	6823.2	6937.1	4978.3	1069.3	130.0	29.9
-15°	7657.6	7485.3	7244.2	7009.3	6813.3	6718.3	6810.9	4826.9	1031.8	131.0	30.4
-17°	7451.1	7302.1	7081.9	6862.6	6685.6	6617.2	6684.6	4673.6	983.4	131.5	30.4
-19.5°	7048.2	6912.4	6772.9	6628.6	6512.3	6490.5	6523.3	4472.4	917.9	132.4	30.4
-22.5°	6777.2	6639.5	6487.7	6375.6	6295.9	6370.9	6329.6	4193.3	824.9	133.8	30.4
-25.5°	6555.1	6428.3	6276.4	6168.7	6123.1	6287.4	6151.6	3891.5	721.0	133.8	30.4
-29°	6212.4	6101.8	5965.6	5863.5	5838.8	6094.7	5806.6	3542.6	598.5	131.9	30.4
-33°	5836.9	5712.6	5575.0	5466.3	5420.2	5764.8	5237.5	3124.5	445.7	126.7	30.4
-37.5°	5597.7	5458.7	5304.9	5134.0	5030.1	5077.1	4476.7	2524.5	259.1	117.7	29.9
-42.5°	5019.2	4933.7	4744.4	4559.7	4287.3	3961.2	3338.0	1810.7	197.9	106.8	29.9
-47.5°	3318.6	3255.9	3195.2	3078.9	2819.3	2480.4	2084.6	1002.9	188.4	93.5	29.4
-55°	917.0	929.8	984.8	917.5	802.1	702.9	682.0	306.1	173.2	71.7	28.0
-65°	575.7	583.8	476.0	337.0	227.8	174.2	176.6	117.2	115.3	41.8	26.1
-75°	70.2	70.7	59.3	56.5	57.0	65.0	67.9	56.5	45.6	23.7	24.2
-85°	31.8	31.3	30.4	29.4	29.0	27.5	25.6	23.3	21.4	21.8	21.8
-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)