

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: P507786

Luminaire Tested: **UFLD-CA2-180-740-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507786
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-CA2-180-740-U-66
Description: UTILITY FLOOD, 6x6 OPTIC
Light Source: (2) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

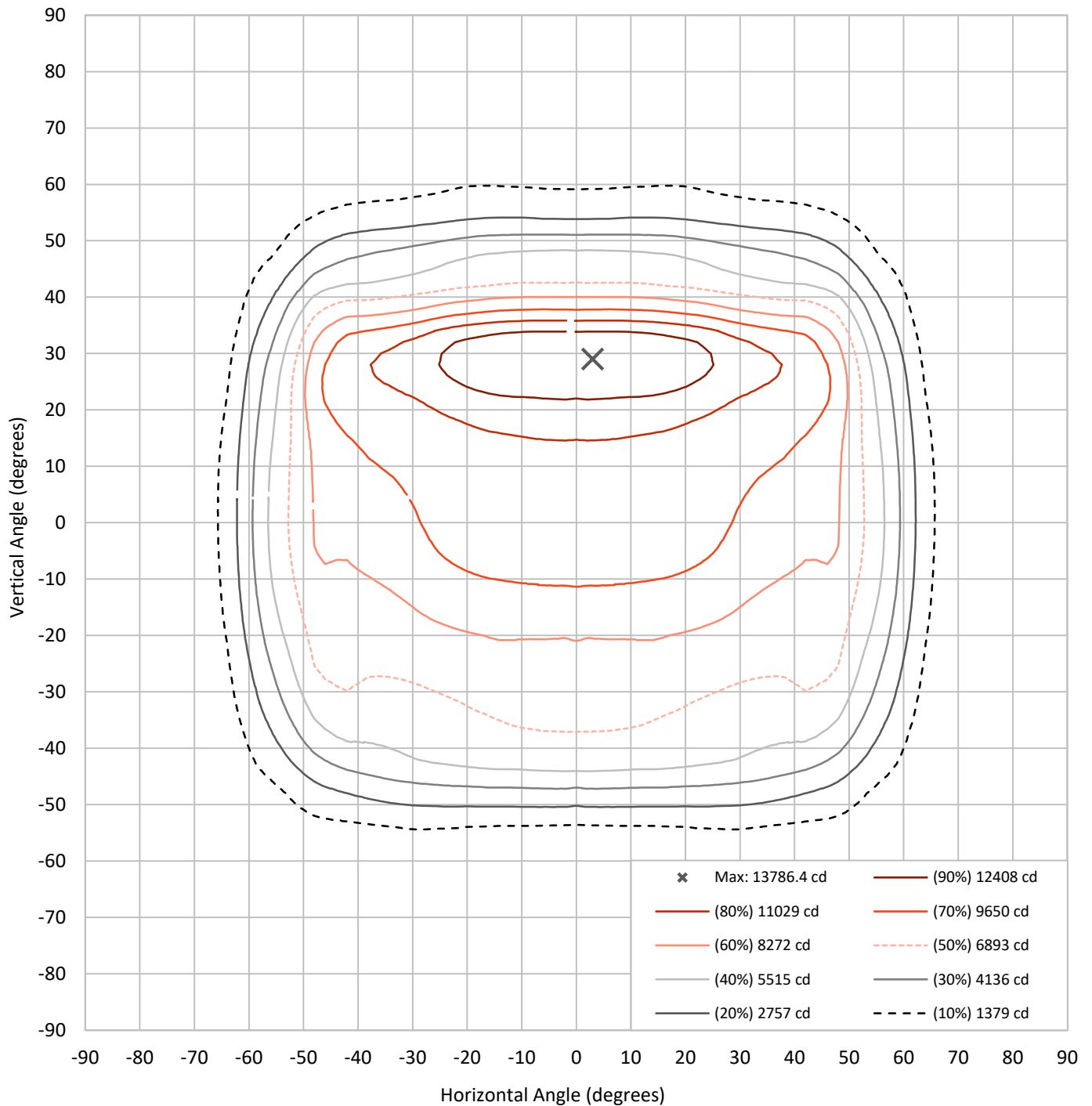
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	25833 lumens	Max Intensity:	13786.4 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	141.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.25' x L: 0.67' x H: 0')		
Beam Angle (50%):	102.9°H x 79.4°V	Field Angle (10%):	126.5°H x 112.9°V
Beam Lumens:	19193.9 lumens	Field Lumens:	24964.6 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%
Input Watts (W):	182.8		
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

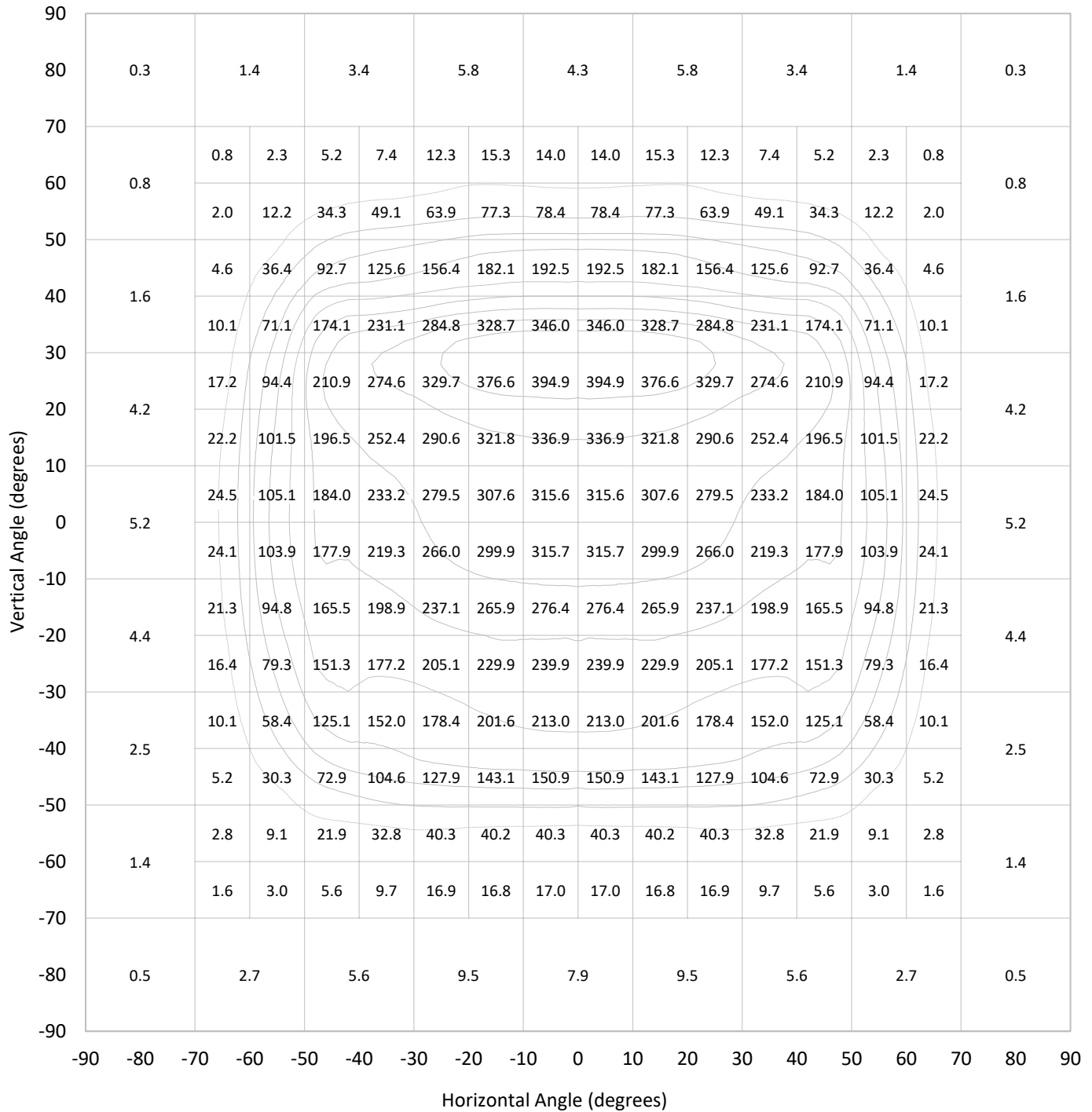




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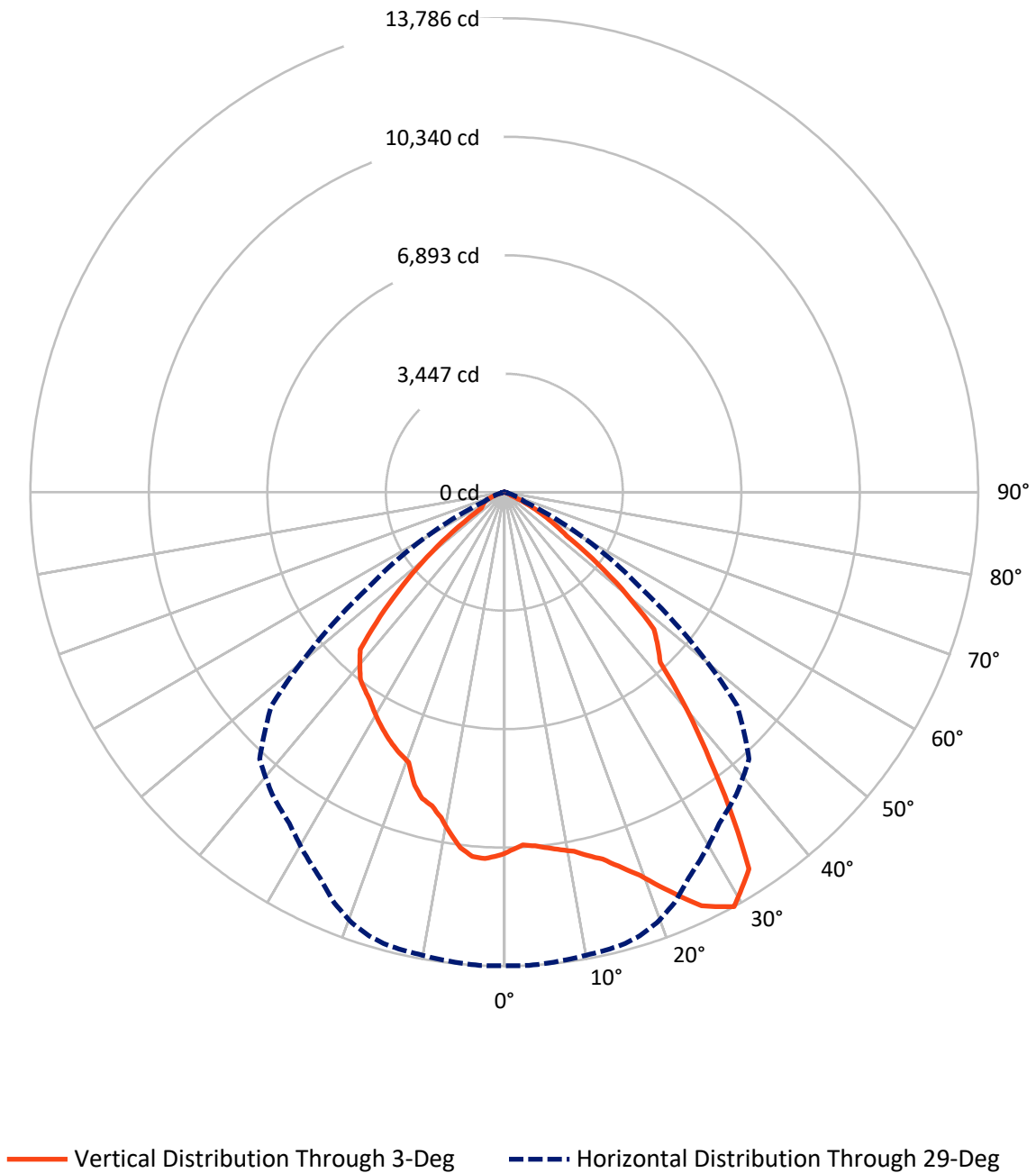
Lumen Table



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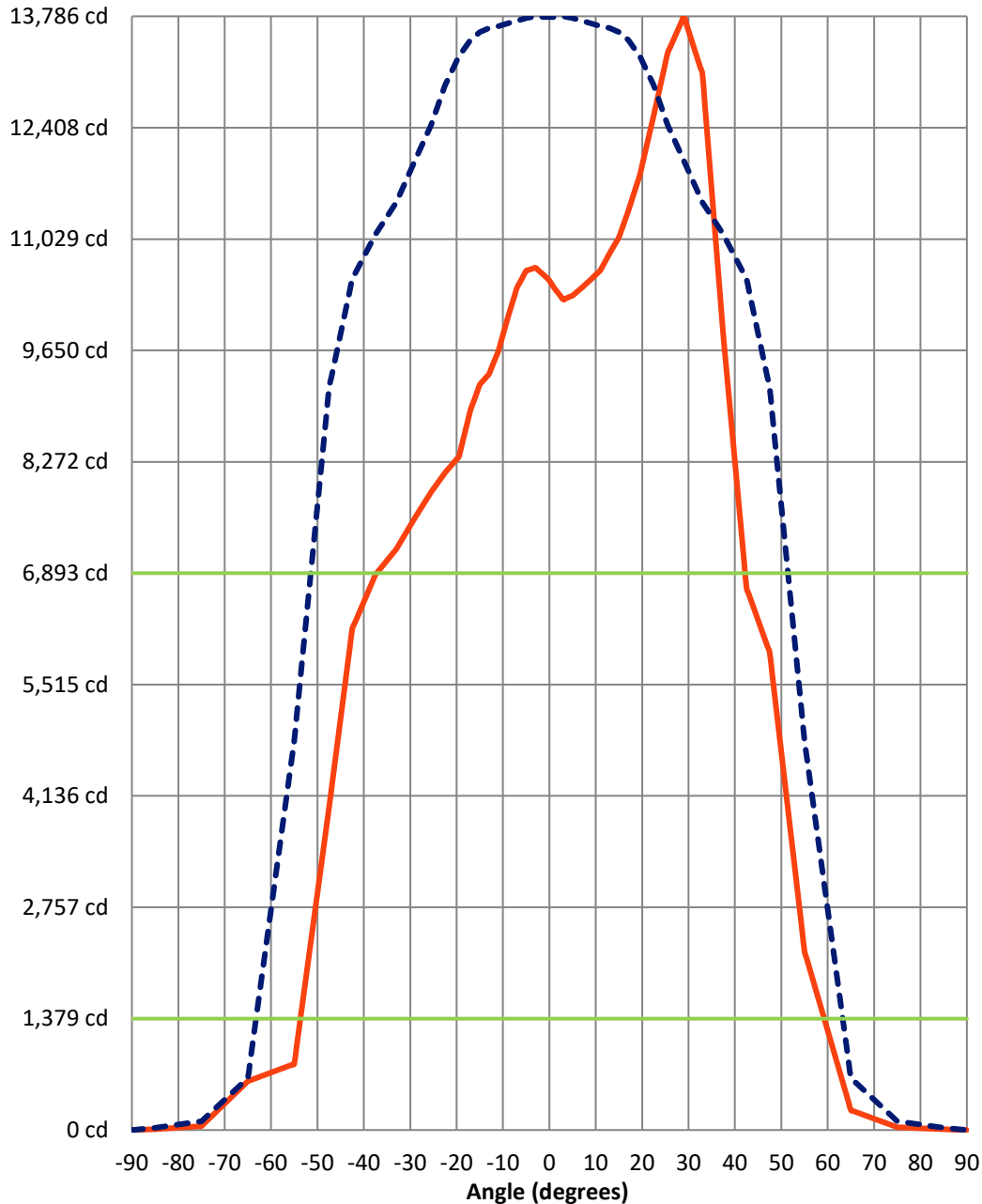
Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 102.9°
 V Angle: 79.4°
 Lumens: 19193.9
 Efficiency: 74.3%

Field:
 H Angle: 126.5°
 V Angle: 112.9°
 Lumens: 24964.6
 Efficiency: 96.6%

Spill:
 Lumens: 868.4
 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°	0.5	4.4	9.3	21.8	28.4	33.3	36.6	38.2	38.7	38.7	37.1
75°	32.2	32.7	34.9	31.7	25.1	27.3	39.8	45.3	50.2	51.8	49.1
65°	248.9	247.2	245.6	244.0	236.9	226.5	222.7	244.5	300.2	358.0	386.4
55°	2172.1	2164.5	2215.8	2179.8	2250.7	2318.9	2343.5	2350.6	2358.8	2317.3	2261.1
47.5°	5888.7	5940.0	5907.8	5903.5	5866.4	5808.5	5773.6	5716.8	5667.2	5656.8	5487.1
42.5°	6757.0	6734.1	6712.8	6760.3	6733.0	6755.9	6753.2	6695.4	6655.0	6572.0	6489.1
37.5°	9793.1	9810.0	9831.3	9835.7	9848.8	9793.6	9755.4	9715.0	9637.5	9505.5	9316.1
33°	13075.3	13105.3	13069.3	13067.1	13096.0	13082.9	13026.7	12974.3	12859.2	12704.2	12528.4
29°	13778.8	13777.1	13786.4	13764.6	13731.3	13699.1	13664.1	13640.7	13590.5	13493.9	13292.5
25.5°	13310.5	13318.1	13334.0	13321.4	13279.4	13255.9	13225.9	13185.0	13097.7	12994.0	12822.6
22.5°	12526.2	12586.3	12562.8	12547.0	12511.0	12453.7	12465.1	12426.4	12358.7	12252.8	12072.7
19.5°	11798.2	11828.2	11822.2	11778.6	11756.2	11709.2	11687.4	11659.0	11601.7	11536.2	11413.4
17°	11332.1	11387.8	11375.8	11349.0	11314.1	11283.0	11243.7	11219.7	11172.8	11100.7	10951.7
15°	11055.4	11080.5	11051.1	11045.6	11050.5	10988.8	10963.7	10902.6	10887.9	10827.3	10695.8
13°	10821.8	10834.4	10854.0	10822.9	10817.5	10795.6	10743.3	10717.6	10666.3	10641.7	10546.8
11°	10638.5	10724.1	10643.4	10665.8	10640.6	10637.4	10607.9	10593.7	10555.5	10517.9	10459.5
9°	10543.0	10557.7	10532.0	10531.0	10519.5	10498.8	10491.7	10490.6	10482.9	10462.2	10426.2
7°	10426.2	10438.7	10426.7	10414.7	10406.0	10397.2	10421.8	10430.0	10465.5	10436.0	10401.6
5°	10346.5	10334.5	10330.1	10327.9	10349.8	10349.8	10397.8	10425.1	10458.4	10467.6	10422.9
3°	10278.3	10293.0	10279.9	10295.7	10338.8	10361.8	10426.2	10466.0	10487.8	10488.4	10470.4
1°	10384.1	10420.2	10427.3	10438.2	10454.0	10468.2	10516.2	10551.7	10528.2	10529.3	10456.2
0°	10483.5	10497.7	10516.2	10503.7	10524.4	10537.0	10571.3	10578.4	10569.2	10527.7	10429.4
-1°	10587.7	10584.4	10574.1	10571.9	10576.8	10562.1	10581.2	10557.7	10529.9	10492.7	10400.5
-3°	10662.5	10689.8	10675.0	10658.1	10604.6	10604.6	10583.3	10496.0	10458.4	10419.6	10289.7
-5°	10599.7	10634.6	10636.8	10582.8	10499.8	10478.0	10410.3	10357.9	10292.5	10229.1	10098.2
-7°	10460.0	10441.4	10425.1	10355.2	10300.6	10249.3	10159.3	10068.1	10051.2	9991.2	9876.0
-9°	10074.7	10087.8	10049.0	10030.5	9970.5	9903.9	9877.7	9812.7	9778.4	9724.9	9619.0
-11°	9692.1	9639.7	9643.5	9656.6	9614.1	9614.6	9586.2	9546.9	9542.0	9491.3	9401.8
-13°	9390.3	9386.5	9360.8	9382.7	9374.5	9375.6	9348.8	9343.9	9334.6	9299.7	9179.1
-15°	9191.1	9223.3	9226.6	9208.0	9212.4	9202.0	9192.2	9168.7	9161.6	9106.5	8980.5
-17°	8901.3	8912.2	8915.0	8913.3	8899.7	8910.6	8922.6	8913.3	8878.9	8836.9	8735.4
-19.5°	8365.4	8321.7	8337.0	8352.3	8356.7	8356.1	8373.6	8403.0	8375.8	8320.6	8236.6
-22.5°	8174.4	8165.1	8136.7	8146.0	8141.6	8128.0	8128.0	8130.2	8114.3	8056.5	7941.9
-25.5°	7887.8	7900.9	7896.6	7890.6	7889.5	7864.9	7866.0	7869.8	7838.7	7774.9	7671.7
-29°	7571.8	7580.6	7577.3	7562.6	7542.4	7498.2	7479.6	7438.1	7383.0	7347.5	7264.0
-33°	7212.2	7190.4	7191.5	7189.3	7162.5	7136.9	7105.8	7053.9	6997.2	6953.0	6864.5
-37.5°	6873.3	6885.8	6874.4	6878.2	6862.9	6837.3	6809.4	6770.1	6714.5	6650.6	6562.7
-42.5°	6226.0	6216.7	6202.5	6171.4	6158.9	6099.4	6062.8	6063.9	6051.4	6002.8	5919.3
-47.5°	3865.1	3967.7	3991.1	3970.9	3951.3	3943.1	3901.6	3898.4	3901.6	3875.4	3811.0
-55°	798.4	795.7	818.6	835.0	868.8	881.9	888.5	864.5	891.2	946.3	973.1
-65°	615.1	612.9	604.2	603.6	595.4	592.1	591.6	586.1	590.0	606.3	624.9
-75°	48.0	48.0	48.6	43.1	39.8	44.8	58.4	62.8	69.3	66.6	74.2
-85°	1.6	4.9	9.8	22.9	29.5	33.8	37.1	38.7	38.7	38.2	37.7
-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°	34.4	32.2	30.6	28.4	24.6	20.7	18.0	15.3	17.5	15.3	18.6
75°	44.2	44.8	56.2	70.4	63.3	42.6	29.5	24.6	32.2	18.6	20.2
65°	336.7	217.2	134.8	101.5	82.4	69.9	85.7	64.9	60.0	30.0	21.3
55°	2121.9	1980.6	1876.9	1744.8	1701.7	1580.0	1278.2	520.1	95.5	48.6	22.9
47.5°	5303.1	5065.7	4797.8	4497.6	4238.9	3880.9	3179.6	1391.1	114.6	62.8	24.6
42.5°	6344.4	6074.3	5912.2	5693.3	5451.0	5370.8	4836.5	2395.9	117.9	71.5	25.1
37.5°	9154.0	8851.7	8435.2	8113.8	7859.5	7822.9	6821.4	3382.1	187.7	82.4	26.2
33°	12191.1	11748.0	11173.9	10677.8	10245.5	9857.5	8358.3	4176.1	437.2	95.0	26.7
29°	12931.2	12441.1	11998.5	11483.3	11086.0	10534.8	9182.4	4821.2	642.9	108.6	27.3
25.5°	12472.2	12104.9	11674.3	11269.4	10971.9	10587.2	9538.2	5182.0	809.4	121.2	27.8
22.5°	11794.9	11472.4	11114.4	10856.8	10695.2	10397.8	9510.9	5381.7	942.0	132.1	28.4
19.5°	11200.1	10975.2	10685.9	10526.6	10456.7	10099.3	9236.4	5582.0	1061.5	143.5	28.9
17°	10788.5	10594.8	10403.8	10328.5	10258.6	9796.9	8986.5	5722.3	1159.2	149.5	29.5
15°	10547.9	10407.6	10270.6	10216.6	10085.1	9531.1	8820.0	5815.6	1227.4	154.4	30.0
13°	10432.7	10340.5	10218.2	10115.6	9891.3	9291.0	8697.2	5925.3	1283.1	158.8	30.0
11°	10369.4	10283.7	10120.0	9968.3	9652.8	9078.7	8624.6	6019.7	1328.9	161.0	30.6
9°	10333.4	10230.2	10030.5	9763.1	9458.0	8894.2	8581.5	6087.9	1367.1	162.1	31.1
7°	10344.8	10175.7	9915.3	9608.1	9280.6	8780.7	8543.8	6137.6	1393.3	161.5	31.7
5°	10341.0	10120.5	9820.9	9506.0	9143.6	8674.8	8514.9	6176.9	1405.3	159.9	32.2
3°	10320.8	10093.3	9736.3	9357.0	9021.4	8590.2	8501.8	6202.0	1416.2	158.3	32.2
1°	10288.6	10027.2	9627.7	9273.0	8935.7	8510.6	8487.6	6212.4	1413.5	156.6	32.2
0°	10256.4	9995.6	9592.2	9229.3	8896.4	8467.4	8466.9	6238.6	1408.6	155.5	32.2
-1°	10204.0	9927.3	9530.0	9164.4	8845.1	8475.1	8468.0	6215.1	1403.1	153.9	32.7
-3°	10060.5	9801.8	9427.4	9067.2	8751.2	8419.4	8449.4	6192.2	1393.3	152.3	33.3
-5°	9897.9	9647.4	9311.7	8954.3	8642.6	8335.9	8406.9	6127.8	1370.4	151.2	33.3
-7°	9691.0	9502.7	9144.2	8797.1	8501.8	8216.9	8326.6	6065.6	1345.3	150.1	33.8
-9°	9479.3	9282.3	8963.0	8617.5	8346.3	8118.2	8216.9	5969.0	1312.0	149.0	33.8
-11°	9263.2	9060.1	8741.4	8420.5	8161.8	7963.2	8101.2	5860.9	1274.9	149.0	34.4
-13°	9004.5	8818.9	8529.7	8240.9	7992.6	7845.8	7976.8	5724.5	1229.6	149.5	34.4
-15°	8805.3	8607.2	8329.9	8059.8	7834.4	7725.2	7831.6	5550.4	1186.5	150.6	34.9
-17°	8567.9	8396.5	8143.3	7891.1	7687.6	7609.0	7686.5	5374.1	1130.8	151.2	34.9
-19.5°	8104.5	7948.4	7788.0	7622.1	7488.3	7463.2	7500.9	5142.7	1055.5	152.3	34.9
-22.5°	7792.9	7634.6	7460.0	7331.2	7239.5	7325.7	7278.2	4821.8	948.5	153.9	34.9
-25.5°	7537.5	7391.7	7217.1	7093.2	7040.8	7229.7	7073.6	4474.7	829.0	153.9	34.9
-29°	7143.4	7016.3	6859.6	6742.3	6713.9	7008.1	6676.8	4073.5	688.2	151.7	34.9
-33°	6711.7	6568.7	6410.5	6285.5	6232.6	6628.8	6022.4	3592.7	512.5	145.7	34.9
-37.5°	6436.7	6276.8	6099.9	5903.5	5783.9	5838.0	5147.6	2902.9	298.0	135.3	34.4
-42.5°	5771.4	5673.2	5455.4	5243.1	4929.8	4554.9	3838.3	2082.1	227.6	122.8	34.4
-47.5°	3815.9	3743.9	3674.0	3540.3	3241.8	2852.1	2397.0	1153.2	216.7	107.5	33.8
-55°	1054.4	1069.1	1132.4	1055.0	922.3	808.3	784.3	352.0	199.2	82.4	32.2
-65°	662.0	671.3	547.4	387.5	262.0	200.3	203.0	134.8	132.6	48.0	30.0
-75°	80.8	81.3	68.2	64.9	65.5	74.8	78.0	64.9	52.4	27.3	27.8
-85°	36.6	36.0	34.9	33.8	33.3	31.7	29.5	26.7	24.6	25.1	25.1
-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)