

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: P507788

Luminaire Tested: **UFLD-CA2-180-760-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507788
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-CA2-180-760-U-66
Description: UTILITY FLOOD, 6x6 OPTIC
Light Source: (2) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

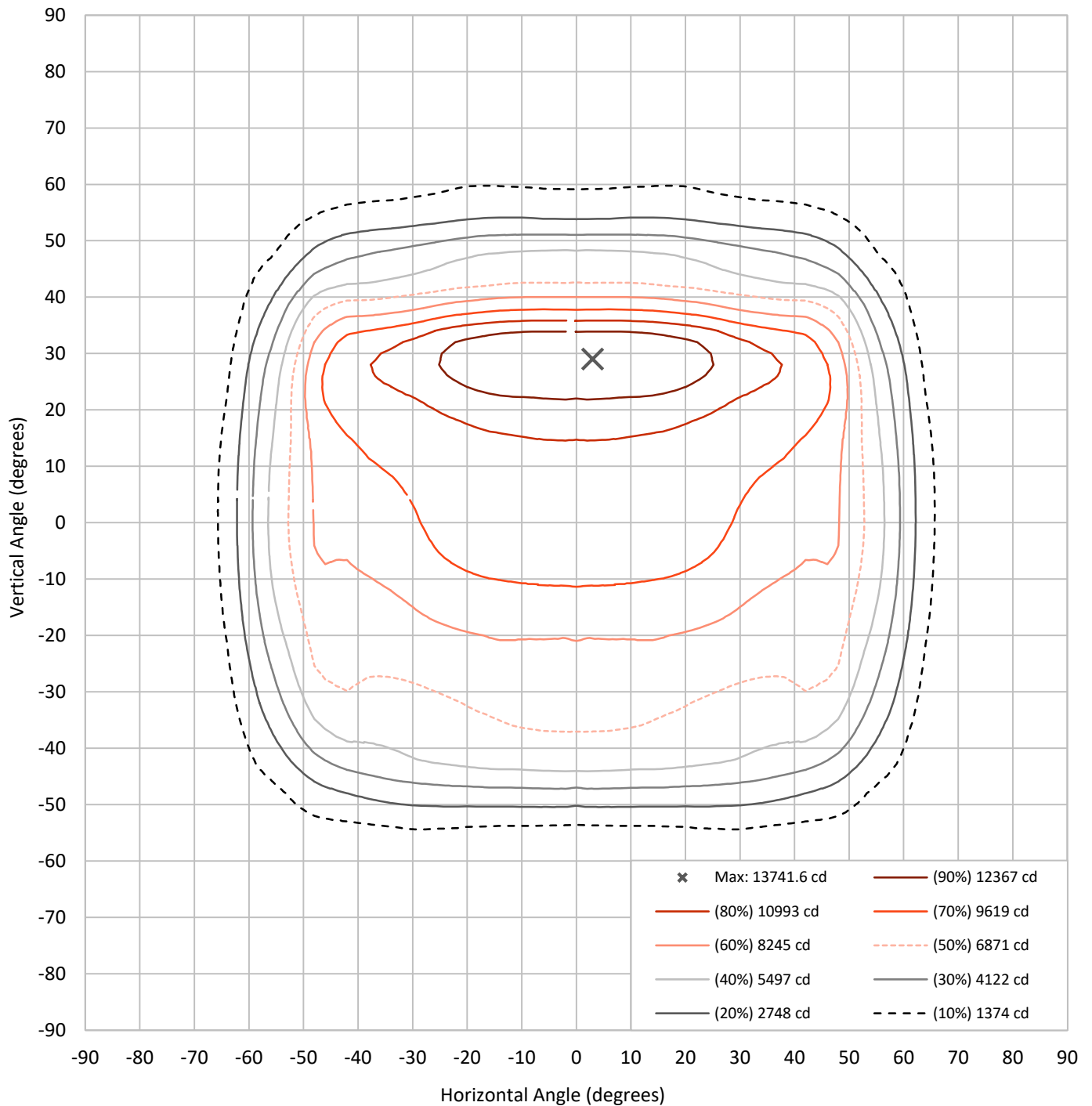
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	25749 lumens	Max Intensity:	13741.6 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	140.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.25' x L: 0.67' x H: 0')		
Beam Angle (50%):	102.9°H x 79.4°V	Field Angle (10%):	126.5°H x 112.9°V
Beam Lumens:	19131.5 lumens	Field Lumens:	24883.4 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%
Input Watts (W):	182.8		
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

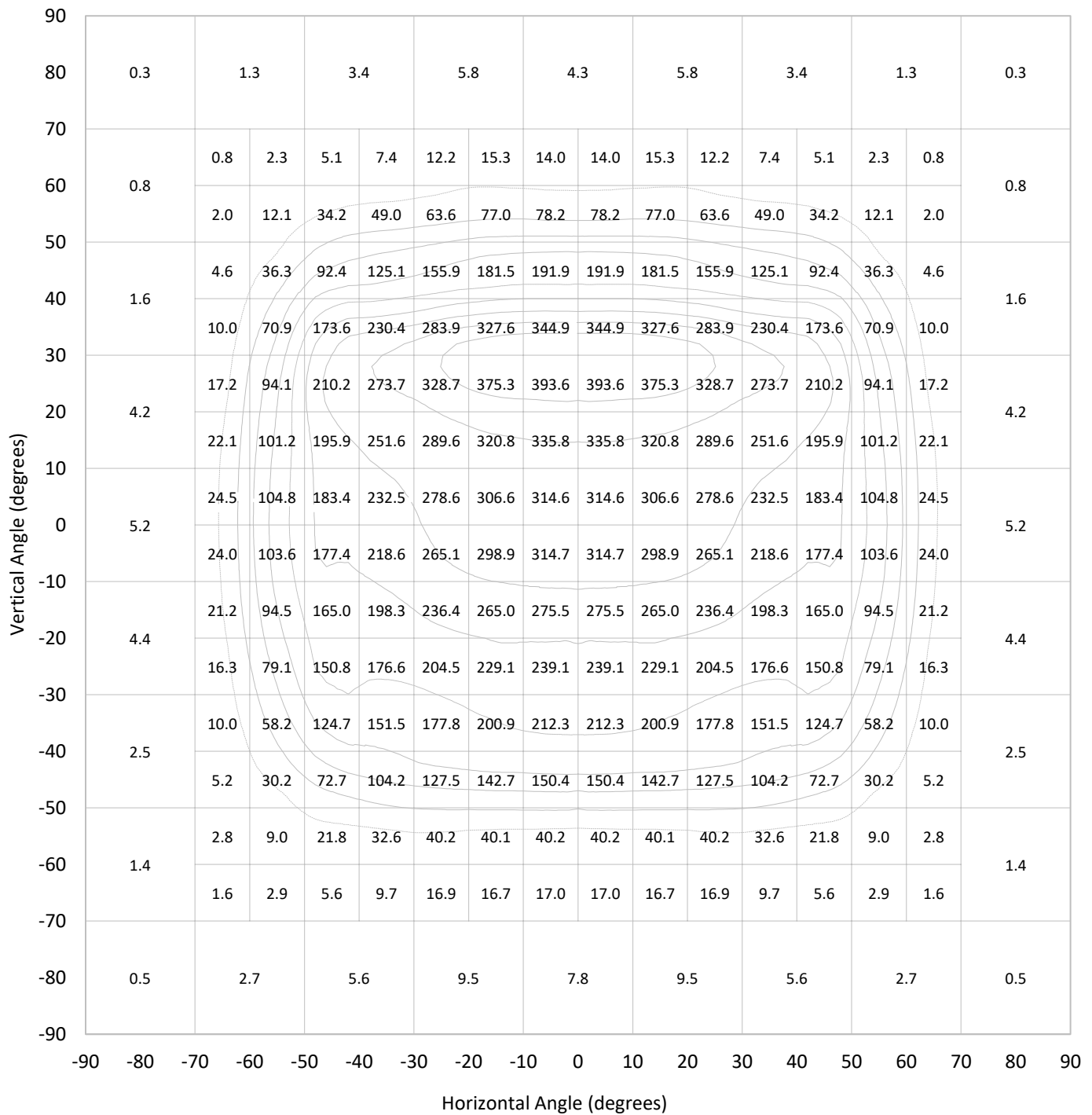




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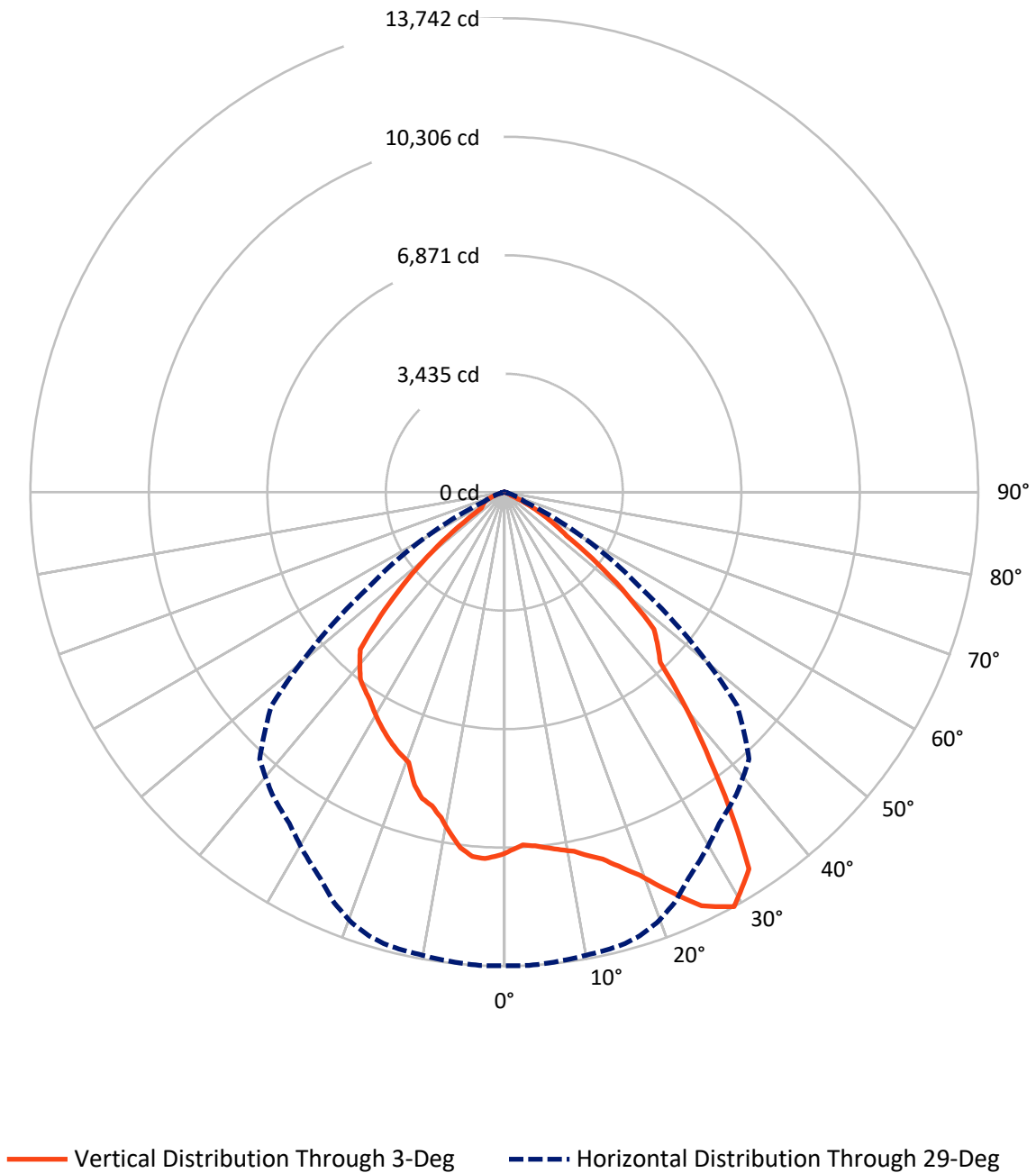
Lumen Table



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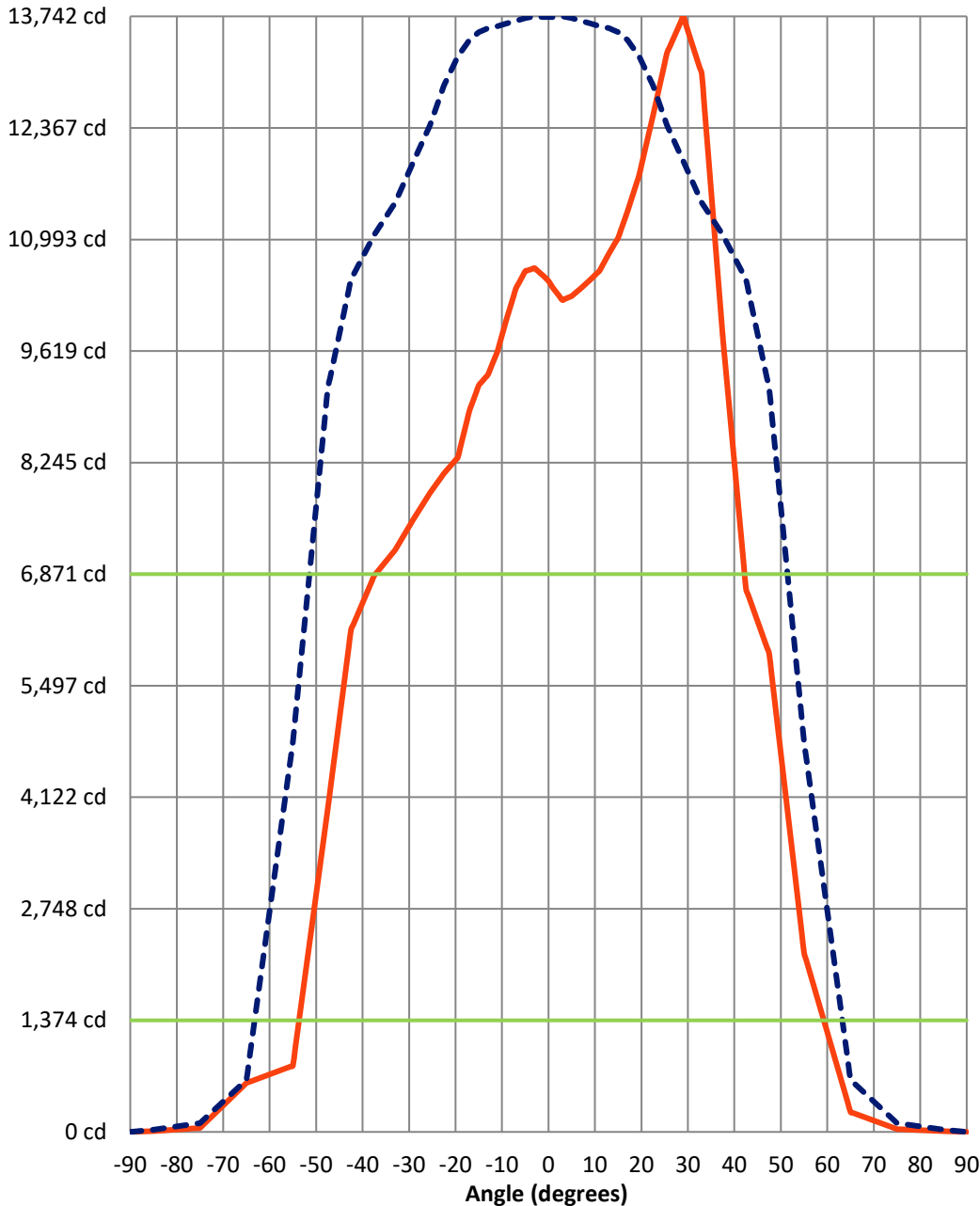
Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 102.9°
 V Angle: 79.4°
 Lumens: 19131.5
 Efficiency: 74.3%

Field:
 H Angle: 126.5°
 V Angle: 112.9°
 Lumens: 24883.4
 Efficiency: 96.6%

Spill:
 Lumens: 865.6
 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	9.2	21.8	28.3	33.2	36.4	38.1	38.6	38.6	37.0
75°	32.1	32.6	34.8	31.6	25.0	27.2	39.7	45.2	50.0	51.7	49.0
65°	248.1	246.4	244.8	243.2	236.1	225.8	221.9	243.7	299.2	356.9	385.1
55°	2165.1	2157.4	2208.6	2172.7	2243.4	2311.4	2335.9	2342.9	2351.1	2309.8	2253.7
47.5°	5869.6	5920.7	5888.6	5884.3	5847.3	5789.6	5754.8	5698.2	5648.7	5638.4	5469.2
42.5°	6735.1	6712.2	6691.0	6738.3	6711.1	6734.0	6731.3	6673.6	6633.3	6550.7	6468.0
37.5°	9761.2	9778.1	9799.3	9803.7	9816.7	9761.8	9723.7	9683.5	9606.2	9474.6	9285.8
33°	13032.8	13062.7	13026.8	13024.6	13053.4	13040.4	12984.3	12932.1	12817.3	12662.9	12487.7
29°	13734.0	13732.3	13741.6	13719.8	13686.6	13654.5	13619.7	13596.3	13546.3	13450.0	13249.3
25.5°	13267.2	13274.8	13290.6	13278.1	13236.2	13212.8	13182.9	13142.1	13055.1	12951.7	12780.9
22.5°	12485.5	12545.4	12522.0	12506.2	12470.3	12413.2	12424.6	12386.0	12318.5	12213.0	12033.5
19.5°	11759.8	11789.8	11783.8	11740.3	11718.0	11671.2	11649.4	11621.1	11564.0	11498.7	11376.3
17°	11295.3	11350.8	11338.8	11312.1	11277.3	11246.3	11207.2	11183.2	11136.4	11064.6	10916.1
15°	11019.5	11044.5	11015.1	11009.7	11014.6	10953.1	10928.1	10867.2	10852.5	10792.1	10661.0
13°	10786.7	10799.2	10818.7	10787.7	10782.3	10760.5	10708.3	10682.8	10631.6	10607.1	10512.5
11°	10603.9	10689.3	10608.8	10631.1	10606.0	10602.8	10573.4	10559.3	10521.2	10483.7	10425.4
9°	10508.7	10523.4	10497.8	10496.7	10485.3	10464.6	10457.5	10456.5	10448.8	10428.2	10392.3
7°	10392.3	10404.8	10392.8	10380.8	10372.1	10363.4	10387.9	10396.1	10431.4	10402.1	10367.8
5°	10312.8	10300.9	10296.5	10294.3	10316.1	10316.1	10364.0	10391.2	10424.4	10433.6	10389.0
3°	10244.8	10259.5	10246.5	10262.3	10305.2	10328.1	10392.3	10432.0	10453.7	10454.3	10436.3
1°	10350.4	10386.3	10393.4	10404.2	10420.0	10434.1	10482.0	10517.4	10494.0	10495.1	10422.2
0°	10449.4	10463.5	10482.0	10469.5	10490.2	10502.7	10537.0	10544.0	10534.8	10493.4	10395.5
-1°	10553.3	10550.0	10539.7	10537.5	10542.4	10527.7	10546.8	10523.4	10495.6	10458.6	10366.7
-3°	10627.8	10655.0	10640.3	10623.5	10570.1	10570.1	10548.9	10461.9	10424.4	10385.7	10256.3
-5°	10565.2	10600.1	10602.2	10548.4	10465.7	10443.9	10376.5	10324.3	10259.0	10195.9	10065.3
-7°	10426.0	10407.5	10391.2	10321.5	10267.1	10216.0	10126.3	10035.4	10018.5	9958.7	9843.9
-9°	10041.9	10055.0	10016.4	9997.9	9938.0	9871.7	9845.6	9780.8	9746.6	9693.2	9587.7
-11°	9660.6	9608.4	9612.2	9625.2	9582.8	9583.4	9555.1	9515.9	9511.0	9460.4	9371.2
-13°	9359.8	9356.0	9330.4	9352.2	9344.0	9345.1	9318.4	9313.5	9304.3	9269.5	9149.3
-15°	9161.2	9193.3	9196.6	9178.1	9182.4	9172.1	9162.3	9138.9	9131.9	9076.9	8951.3
-17°	8872.4	8883.3	8886.0	8884.3	8870.7	8881.6	8893.6	8884.3	8850.1	8808.2	8707.0
-19.5°	8338.2	8294.7	8309.9	8325.1	8329.5	8328.9	8346.3	8375.7	8348.5	8293.6	8209.8
-22.5°	8147.8	8138.5	8110.3	8119.5	8115.1	8101.5	8101.5	8103.7	8087.9	8030.3	7916.0
-25.5°	7862.2	7875.3	7870.9	7864.9	7863.8	7839.3	7840.4	7844.2	7813.2	7749.6	7646.8
-29°	7547.2	7555.9	7552.7	7538.0	7517.9	7473.8	7455.3	7414.0	7359.0	7323.7	7240.4
-33°	7188.7	7167.0	7168.1	7165.9	7139.2	7113.7	7082.7	7031.0	6974.4	6930.4	6842.2
-37.5°	6850.9	6863.4	6852.0	6855.8	6840.6	6815.0	6787.3	6748.1	6692.6	6629.0	6541.4
-42.5°	6205.8	6196.5	6182.4	6151.4	6138.9	6079.6	6043.1	6044.2	6031.7	5983.3	5900.0
-47.5°	3852.5	3954.8	3978.2	3958.0	3938.4	3930.3	3888.9	3885.7	3888.9	3862.8	3798.6
-55°	795.8	793.1	816.0	832.3	866.0	879.1	885.6	861.7	888.3	943.3	969.9
-65°	613.1	610.9	602.2	601.6	593.5	590.2	589.7	584.2	588.0	604.4	622.9
-75°	47.9	47.9	48.4	43.0	39.7	44.6	58.2	62.6	69.1	66.4	74.0
-85°	1.6	4.9	9.8	22.8	29.4	33.7	37.0	38.6	38.6	38.1	37.5
-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°	34.3	32.1	30.5	28.3	24.5	20.7	18.0	15.2	17.4	15.2	18.5
75°	44.1	44.6	56.0	70.2	63.1	42.4	29.4	24.5	32.1	18.5	20.1
65°	335.6	216.5	134.4	101.2	82.1	69.6	85.4	64.7	59.8	29.9	21.2
55°	2115.0	1974.1	1870.8	1739.1	1696.1	1574.8	1274.0	518.4	95.2	48.4	22.8
47.5°	5285.9	5049.3	4782.2	4483.0	4225.1	3868.3	3169.2	1386.6	114.2	62.6	24.5
42.5°	6323.8	6054.5	5893.0	5674.8	5433.3	5353.3	4820.8	2388.1	117.5	71.3	25.0
37.5°	9124.2	8822.9	8407.8	8087.4	7833.9	7797.5	6799.3	3371.1	187.1	82.1	26.1
33°	12151.5	11709.8	11137.5	10643.0	10212.2	9825.4	8331.1	4162.6	435.7	94.7	26.7
29°	12889.1	12400.7	11959.5	11446.0	11049.9	10500.5	9152.5	4805.6	640.8	108.3	27.2
25.5°	12431.7	12065.6	11636.4	11232.7	10936.2	10552.7	9507.2	5165.1	806.7	120.8	27.7
22.5°	11756.6	11435.1	11078.2	10821.5	10660.4	10364.0	9480.0	5364.2	938.9	131.6	28.3
19.5°	11163.6	10939.5	10651.2	10492.4	10422.7	10066.4	9206.4	5563.9	1058.0	143.1	28.8
17°	10753.5	10560.4	10370.0	10294.9	10225.3	9765.0	8957.2	5703.7	1155.4	149.1	29.4
15°	10513.6	10373.8	10237.2	10183.4	10052.3	9500.1	8791.3	5796.7	1223.4	153.9	29.9
13°	10398.8	10306.9	10185.0	10082.7	9859.2	9260.8	8668.9	5906.0	1278.9	158.3	29.9
11°	10335.7	10250.3	10087.1	9935.9	9621.4	9049.2	8596.6	6000.1	1324.6	160.5	30.5
9°	10299.8	10197.0	9997.9	9731.3	9427.2	8865.3	8553.6	6068.1	1362.7	161.6	31.0
7°	10311.2	10142.6	9883.1	9576.8	9250.4	8752.2	8516.1	6117.6	1388.8	161.0	31.6
5°	10307.4	10087.6	9789.0	9475.1	9113.9	8646.6	8487.2	6156.8	1400.8	159.4	32.1
3°	10287.3	10060.4	9704.7	9326.6	8992.0	8562.3	8474.2	6181.8	1411.6	157.8	32.1
1°	10255.2	9994.6	9596.4	9242.8	8906.6	8482.9	8460.0	6192.2	1408.9	156.1	32.1
0°	10223.1	9963.1	9561.1	9199.3	8867.5	8439.9	8439.4	6218.3	1404.0	155.0	32.1
-1°	10170.9	9895.1	9499.0	9134.6	8816.3	8447.5	8440.4	6194.9	1398.6	153.4	32.6
-3°	10027.8	9769.9	9396.8	9037.7	8722.8	8392.0	8422.0	6172.0	1388.8	151.8	33.2
-5°	9865.7	9616.0	9281.4	8925.1	8614.5	8308.8	8379.5	6107.8	1365.9	150.7	33.2
-7°	9659.5	9471.8	9114.4	8768.5	8474.2	8190.2	8299.6	6045.8	1340.9	149.6	33.7
-9°	9448.5	9252.1	8933.8	8589.5	8319.1	8091.8	8190.2	5949.5	1307.7	148.5	33.7
-11°	9233.0	9030.7	8713.0	8393.1	8135.3	7937.3	8074.9	5841.8	1270.7	148.5	34.3
-13°	8975.2	8790.2	8501.9	8214.2	7966.6	7820.3	7950.9	5705.8	1225.6	149.1	34.3
-15°	8776.6	8579.2	8302.8	8033.6	7808.9	7700.1	7806.2	5532.3	1182.6	150.1	34.8
-17°	8540.0	8369.2	8116.8	7865.5	7662.6	7584.2	7661.5	5356.6	1127.1	150.7	34.8
-19.5°	8078.2	7922.6	7762.6	7597.3	7464.0	7439.0	7476.5	5126.0	1052.1	151.8	34.8
-22.5°	7767.5	7609.8	7435.7	7307.3	7215.9	7301.9	7254.6	4806.1	945.4	153.4	34.8
-25.5°	7513.0	7367.7	7193.6	7070.2	7017.9	7206.2	7050.6	4460.1	826.3	153.4	34.8
-29°	7120.2	6993.5	6837.3	6720.4	6692.1	6985.3	6655.1	4060.3	686.0	151.2	34.8
-33°	6689.9	6547.4	6389.6	6265.1	6212.3	6607.2	6002.9	3581.0	510.8	145.2	34.8
-37.5°	6415.7	6256.4	6080.1	5884.3	5765.1	5819.0	5130.9	2893.4	297.0	134.9	34.3
-42.5°	5752.6	5654.7	5437.7	5226.1	4913.8	4540.1	3825.8	2075.3	226.8	122.4	34.3
-47.5°	3803.5	3731.7	3662.1	3528.8	3231.3	2842.9	2389.2	1149.4	216.0	107.2	33.7
-55°	1051.0	1065.7	1128.8	1051.5	919.3	805.6	781.7	350.9	198.6	82.1	32.1
-65°	659.9	669.1	545.6	386.2	261.1	199.6	202.4	134.4	132.2	47.9	29.9
-75°	80.5	81.1	68.0	64.7	65.3	74.5	77.8	64.7	52.2	27.2	27.7
-85°	36.4	35.9	34.8	33.7	33.2	31.6	29.4	26.7	24.5	25.0	25.0
-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)