

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: P571671

Luminaire Tested: **UFLD-L-CA4-180-760-U-66-TS2HW_NFFLD**

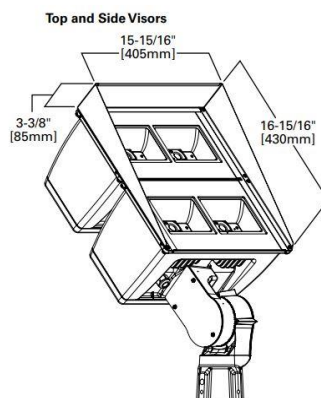
Issue Date: 9/21/2021

Test Information

Test Method: LM-79-08
Report Number: P571671
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2109-378-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UFLD-L-CA4-180-760-U-66-TS2HW_NFFLD
Description: FLOOD LIGHT LARGE, 6x6 OPTIC WITH TOP AND SIDE VISOR
Light Source: (4) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

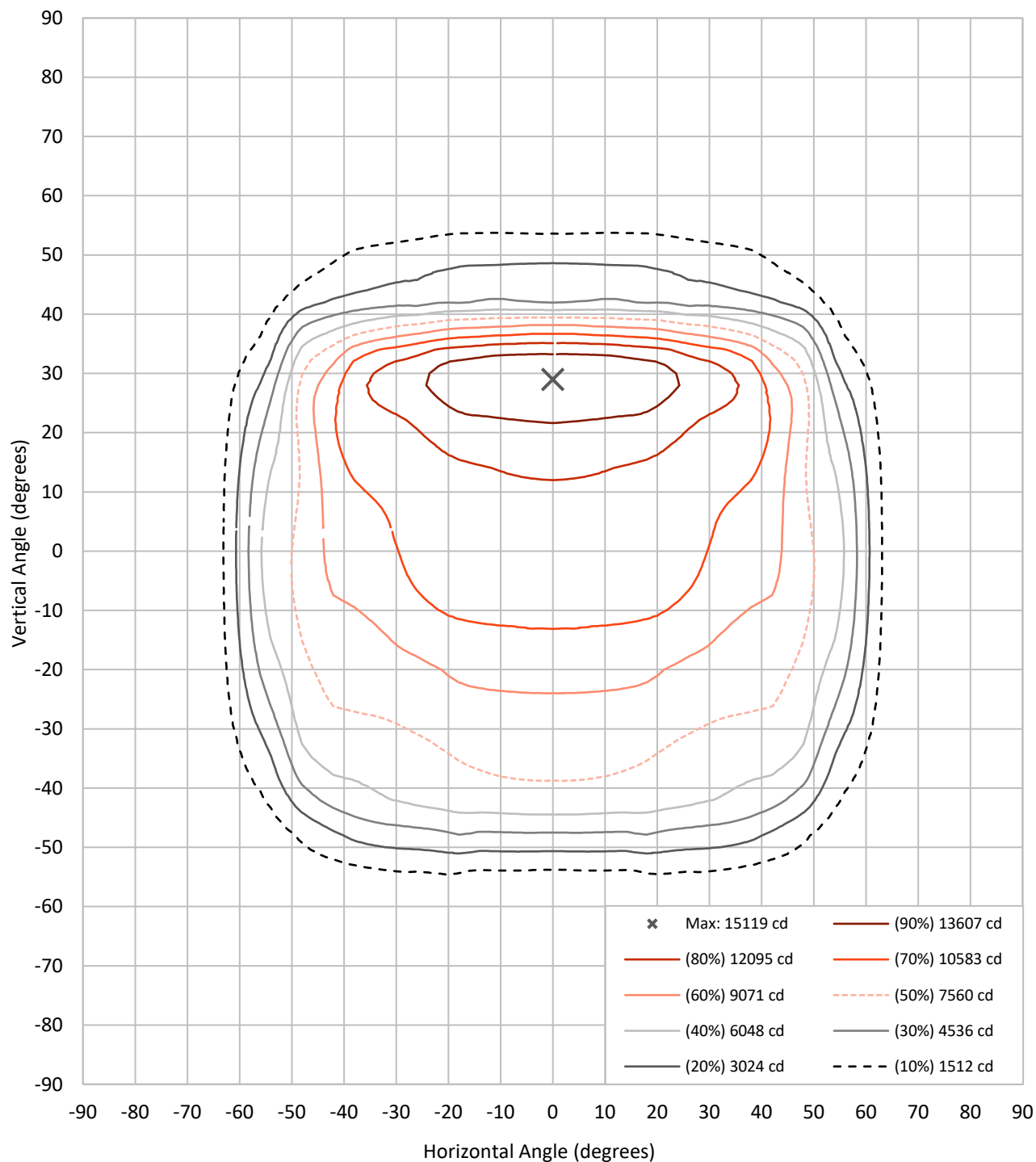
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	26277 lumens	Max Intensity:	15119 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	147.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.33' x L: 1.42' x H: 0')		
Beam Angle (50%):	96.7°H x 78.2°V	Field Angle (10%):	121.2°H x 107.4°V
Beam Lumens:	19077 lumens	Field Lumens:	25542.7 lumens
Beam Efficiency:	72.6%	Field Efficiency:	97.2%
Input Watts (W):	178		
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:	25 FT		



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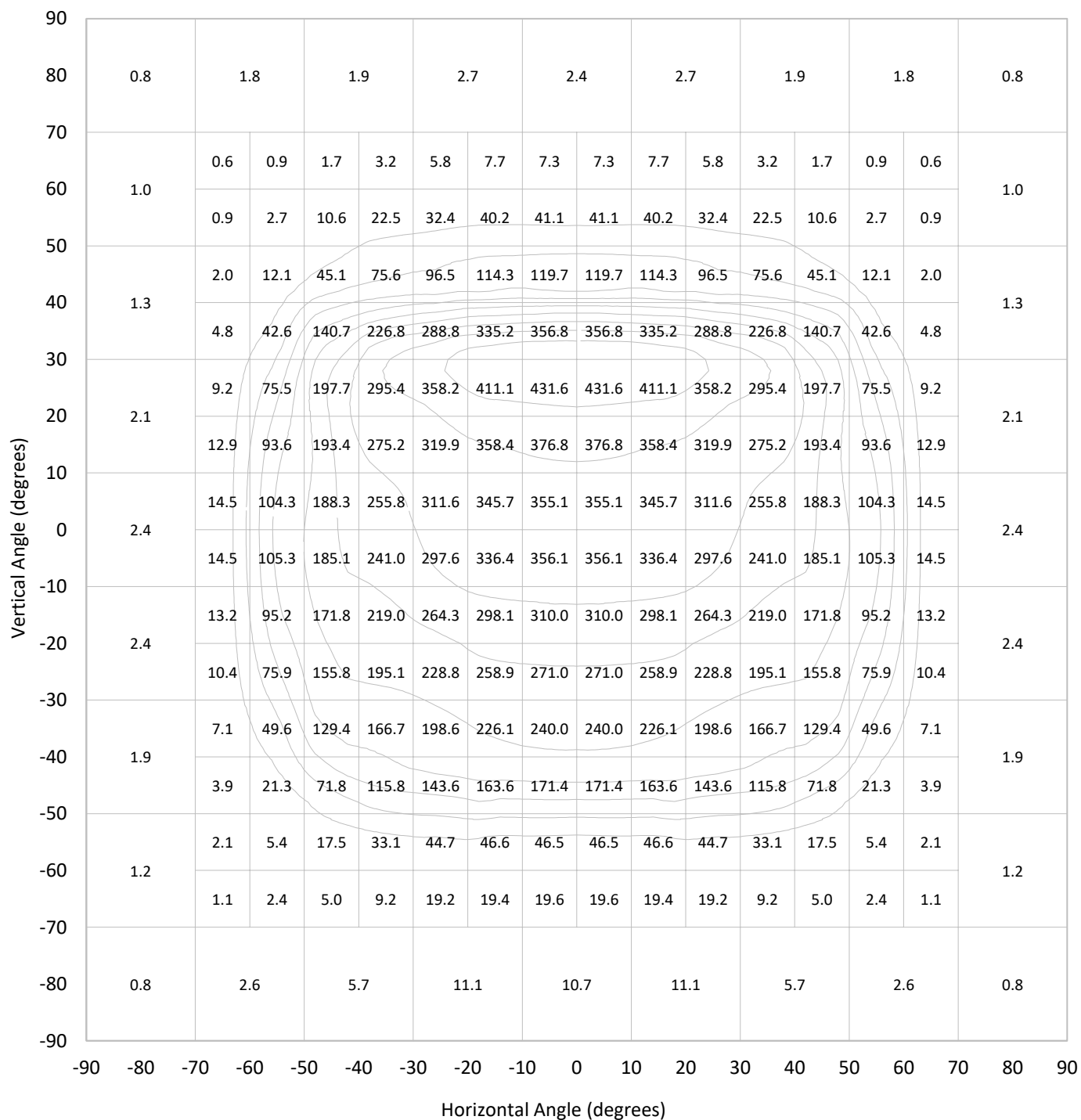
Iso-Candela Plot



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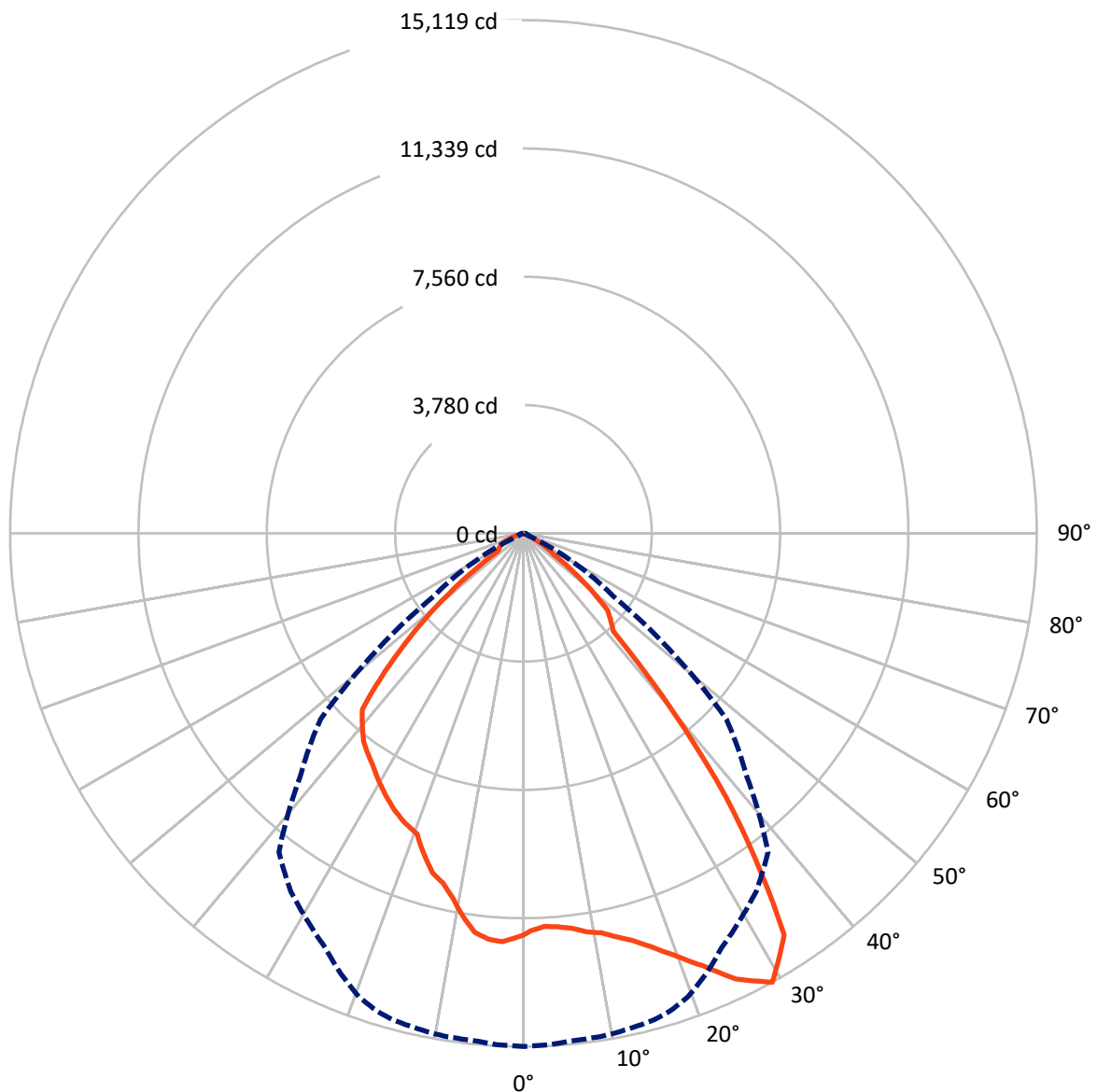
Lumen Table



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Luminous Intensity Polar Plot



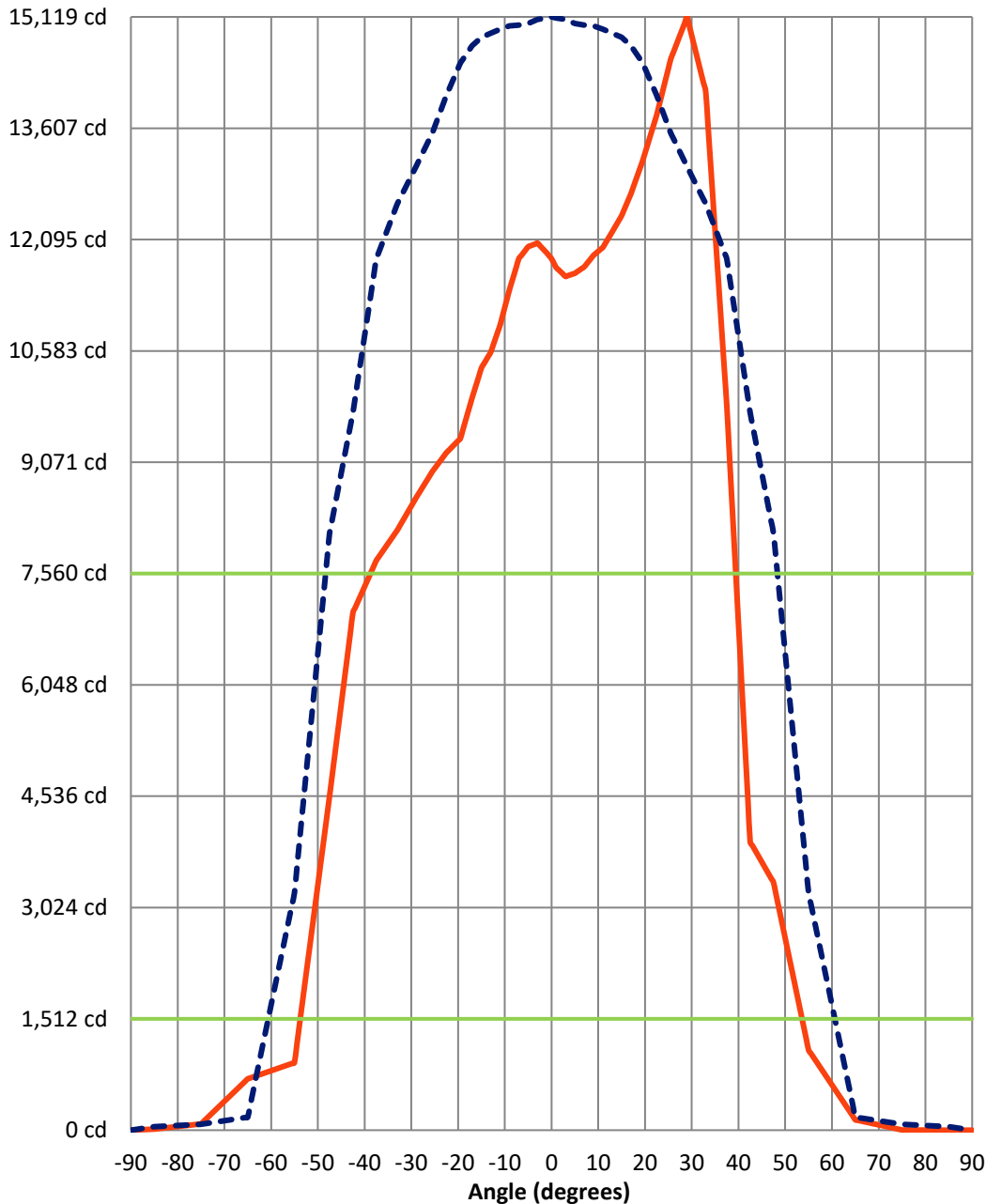
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 29-Deg

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Luminous Intensity Plot



Beam:

H Angle: 96.7°
V Angle: 78.2°
Lumens: 19077
Efficiency: 72.6%

Field:

H Angle: 121.2°
V Angle: 107.4°
Lumens: 25542.7
Efficiency: 97.2%

Spill:

Lumens: 734.3
Efficiency: 2.8%

— Vertical Distribution through 0-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°	0.0	7.0	15.7	19.7	21.5	23.2	24.9	26.1	26.1	25.5	24.4
75°	2.9	4.1	9.3	12.2	13.9	15.1	16.2	15.7	16.2	15.1	15.1
65°	140.9	140.9	140.3	136.3	128.2	119.5	114.8	127.0	158.9	189.1	196.0
55°	1089.1	1075.8	1073.5	1119.9	1120.4	1154.7	1157.0	1166.3	1139.0	1158.1	1122.8
47.5°	3363.1	3365.4	3345.1	3331.8	3313.2	3274.9	3248.2	3229.1	3226.2	3201.3	3097.5
42.5°	3918.7	3924.5	3978.4	4010.3	4100.8	4209.2	4294.5	4193.0	4103.1	3903.0	3965.6
37.5°	9837.0	9845.7	9835.2	9814.3	9592.2	9534.2	9489.6	9357.9	9295.9	9270.3	9163.1
33°	14098.4	14152.3	14121.0	14078.1	14108.2	14076.9	14010.8	13876.2	13634.4	13511.5	13345.6
29°	15119.0	15104.0	15084.3	15029.7	15007.7	14996.7	14951.4	14897.5	14841.3	14726.4	14492.7
25.5°	14544.3	14495.6	14497.9	14446.3	14406.9	14398.2	14354.7	14292.6	14239.3	14129.7	13885.5
22.5°	13786.3	13773.6	13748.1	13702.3	13677.3	13618.7	13568.9	13514.9	13500.4	13461.0	13271.9
19.5°	13165.8	13150.7	13150.7	13127.0	13092.7	13035.3	12962.8	12908.9	12876.4	12861.3	12724.5
17°	12719.3	12705.3	12700.7	12664.2	12634.0	12581.2	12507.0	12436.8	12384.1	12356.2	12257.0
15°	12420.0	12397.4	12393.9	12377.7	12345.8	12291.3	12218.2	12153.2	12107.4	12051.7	11952.0
13°	12201.4	12175.3	12170.6	12145.7	12113.2	12062.8	12003.6	11949.7	11912.0	11854.0	11765.3
11°	11990.3	12008.2	11993.2	11970.0	11933.4	11890.5	11847.0	11812.8	11782.1	11746.1	11684.1
9°	11881.8	11845.3	11847.6	11826.7	11802.4	11771.6	11741.5	11707.3	11704.4	11700.9	11652.2
7°	11724.7	11713.1	11730.5	11718.9	11684.6	11688.7	11663.8	11670.1	11688.1	11706.7	11712.5
5°	11637.1	11630.1	11636.5	11633.0	11620.8	11625.5	11622.6	11656.8	11711.3	11805.8	11889.4
3°	11594.2	11606.4	11604.6	11605.8	11632.4	11643.5	11671.9	11721.2	11789.0	11869.1	11879.5
1°	11714.8	11728.7	11735.7	11761.2	11806.4	11808.7	11808.2	11837.2	11849.9	12038.4	12026.8
0°	11834.3	11841.8	11844.7	11847.6	11865.0	11873.7	11848.2	11840.6	11820.3	11957.8	11889.4
-1°	11912.0	11929.4	11917.8	11935.8	11952.6	11910.2	11874.9	11832.5	11805.3	11876.6	11738.6
-3°	12047.1	12034.3	12005.3	12002.4	12005.9	11938.7	11847.6	11800.6	11720.0	11679.4	11623.7
-5°	11997.8	11993.2	11959.0	11939.2	11899.8	11791.4	11702.0	11627.2	11541.4	11414.4	11331.5
-7°	11834.8	11776.9	11761.8	11729.9	11612.1	11517.6	11410.9	11325.1	11206.2	11133.7	11074.5
-9°	11414.4	11387.1	11394.1	11352.3	11212.0	11133.1	11060.0	10988.1	10916.2	10862.9	10823.4
-11°	10934.8	10885.5	10923.2	10887.2	10817.6	10784.0	10760.2	10720.2	10693.5	10658.7	10614.7
-13°	10567.1	10543.9	10575.2	10557.8	10520.7	10522.4	10516.1	10498.1	10481.8	10438.3	10360.6
-15°	10350.8	10322.9	10334.5	10340.3	10325.3	10320.0	10314.8	10295.7	10267.8	10213.9	10117.6
-17°	9944.2	9899.0	9915.2	9916.4	9913.5	9897.8	9922.2	9910.0	9904.8	9867.7	9779.5
-19.5°	9394.5	9375.9	9374.2	9377.1	9385.2	9388.1	9400.8	9400.3	9394.5	9349.2	9258.8
-22.5°	9199.6	9196.7	9186.3	9193.8	9189.2	9183.4	9179.9	9163.6	9125.9	9084.8	8977.5
-25.5°	8945.0	8939.8	8955.4	8939.8	8916.0	8903.2	8871.9	8838.3	8802.3	8774.5	8663.7
-29°	8586.0	8583.1	8570.4	8559.9	8524.0	8486.3	8435.2	8401.0	8329.7	8284.5	8152.2
-33°	8148.7	8134.8	8114.5	8099.4	8078.0	8043.2	8010.1	7948.7	7879.7	7812.4	7686.5
-37.5°	7735.8	7752.6	7737.0	7733.5	7706.2	7665.7	7617.5	7560.1	7495.7	7423.8	7309.0
-42.5°	7025.4	7027.1	7023.1	6994.7	6941.3	6896.1	6841.6	6808.5	6789.4	6748.2	6639.2
-47.5°	4534.6	4544.4	4545.6	4557.8	4533.4	4514.3	4498.6	4478.9	4471.9	4814.7	4560.1
-55°	917.5	921.5	945.3	985.3	1007.9	1019.5	991.7	967.3	968.5	1072.9	1215.6
-65°	697.1	693.6	691.3	686.1	682.0	675.1	681.4	689.0	684.3	697.1	712.2
-75°	85.3	85.8	86.4	85.8	78.3	85.8	95.7	92.2	96.9	100.3	99.7
-85°	14.5	13.9	19.1	23.8	26.1	30.7	34.8	37.7	38.9	39.4	39.4
-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°	22.6	21.5	20.3	19.7	20.3	22.0	24.9	29.6	37.7	41.2	44.1
75°	14.5	14.5	15.7	20.3	20.9	23.8	26.7	30.7	38.3	41.8	44.7
65°	156.0	93.4	67.9	57.4	46.4	40.0	40.0	43.5	45.8	44.7	45.2
55°	1047.4	943.0	851.4	786.4	616.5	415.8	283.0	96.9	68.4	48.1	45.8
47.5°	2979.7	2800.5	2639.9	2471.1	2315.7	1665.6	1086.8	205.9	99.7	52.2	46.4
42.5°	3989.4	3447.7	3646.7	3458.8	3199.5	2900.9	2233.9	744.1	113.7	58.6	46.4
37.5°	8738.0	8394.1	8087.9	7533.4	6847.9	5814.5	4941.7	1461.5	124.7	65.5	47.0
33°	13114.2	12467.6	11922.4	11551.3	10593.2	8393.5	7081.1	2222.9	148.5	73.1	47.6
29°	14053.1	13542.8	13085.2	12580.1	11831.9	9743.0	8101.8	3223.9	176.9	80.0	47.6
25.5°	13484.2	13040.0	12627.0	12264.6	11780.3	10230.7	8510.6	3971.4	205.3	87.6	47.6
22.5°	12874.7	12428.7	12035.5	11767.6	11550.1	10397.8	8394.1	4499.2	233.7	94.0	47.6
19.5°	12381.7	11976.4	11643.5	11441.6	11364.5	10357.7	8118.0	4960.2	265.6	99.7	48.1
17°	11933.4	11612.7	11360.5	11268.8	11214.3	10223.8	7957.4	5330.8	292.9	103.2	48.1
15°	11701.5	11423.7	11241.6	11194.6	11024.7	10067.8	7861.7	5597.0	309.1	106.7	48.1
13°	11547.8	11323.3	11198.7	11073.4	10795.6	9906.0	7814.7	5845.2	320.7	109.0	48.1
11°	11452.7	11278.7	11133.7	10899.4	10542.2	9786.5	7812.4	6054.0	326.5	111.3	48.7
9°	11481.1	11275.8	11039.2	10709.2	10339.2	9689.1	7836.7	6216.4	325.3	113.1	48.7
7°	11522.8	11287.4	10947.5	10531.1	10158.2	9632.2	7871.5	6347.4	319.0	114.8	48.7
5°	11561.1	11294.3	10901.7	10383.8	10008.0	9571.9	7916.2	6454.7	316.1	116.6	48.7
3°	11564.0	11283.9	10840.2	10238.3	9887.4	9529.0	7965.5	6540.0	313.2	117.7	48.7
1°	11520.5	11217.8	10748.6	10107.2	9798.1	9490.1	8017.1	6587.5	311.4	117.1	48.7
0°	11486.9	11151.7	10684.2	10048.0	9738.9	9464.0	8043.2	6599.7	306.8	116.0	48.7
-1°	11421.9	11099.5	10614.7	10012.1	9697.8	9425.8	8060.0	6589.3	304.5	115.4	48.7
-3°	11285.6	10949.3	10505.0	9920.5	9591.1	9344.6	8092.5	6567.8	306.2	114.2	48.7
-5°	11104.7	10797.3	10390.8	9817.8	9468.7	9241.4	8096.5	6510.4	310.3	113.7	48.7
-7°	10908.7	10622.8	10211.0	9664.1	9309.2	9090.6	8070.5	6422.3	304.5	113.7	48.7
-9°	10666.3	10370.5	9959.9	9466.4	9137.0	8920.1	8013.6	6302.8	302.1	114.2	48.7
-11°	10411.7	10099.1	9709.9	9269.8	8950.8	8743.2	7935.9	6164.2	302.1	113.7	49.3
-13°	10150.7	9826.5	9468.1	9076.1	8787.8	8538.5	7829.8	5996.0	299.8	114.8	48.7
-15°	9887.4	9559.2	9252.4	8896.3	8637.1	8359.8	7702.8	5788.4	298.7	116.6	48.7
-17°	9544.1	9261.1	9004.2	8709.0	8461.3	8196.9	7563.0	5555.8	295.8	117.7	48.7
-19.5°	9035.5	8793.6	8604.0	8414.9	8228.2	7982.3	7390.8	5223.5	288.2	118.3	48.7
-22.5°	8739.7	8492.1	8300.7	8133.1	7986.4	7789.2	7197.6	4783.3	275.5	118.3	48.7
-25.5°	8441.0	8216.6	8014.8	7842.0	7740.5	7613.5	7038.7	4294.5	265.6	116.6	48.7
-29°	7977.7	7809.5	7622.2	7447.0	7367.0	7293.3	6805.6	3657.7	259.8	113.1	48.7
-33°	7512.5	7340.9	7143.1	6937.8	6854.9	6817.8	6240.7	2827.8	259.2	106.7	48.7
-37.5°	7143.1	6961.6	6730.8	6482.0	6275.5	6116.6	5345.3	2102.9	254.6	96.9	48.7
-42.5°	6475.6	6360.2	6070.8	5873.1	5474.1	4856.4	3781.8	1364.0	233.7	81.2	48.1
-47.5°	4328.7	4191.8	4092.1	3964.5	3607.2	2805.8	1926.0	505.1	211.7	63.8	48.1
-55°	1191.2	1114.1	1175.0	1023.0	814.2	598.5	502.8	186.7	165.3	55.1	47.6
-65°	771.9	796.8	585.2	364.2	227.3	171.7	245.9	110.8	84.7	50.5	47.0
-75°	94.0	82.9	66.1	73.1	77.7	70.8	65.5	47.6	47.0	47.0	46.4
-85°	38.3	37.1	36.0	35.4	34.2	33.6	34.2	36.0	40.6	44.7	45.2
-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):

	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)