

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: P571692

Luminaire Tested: **UFLD-L-CA4-370-730-U-66-TS2HW_NFFLD**

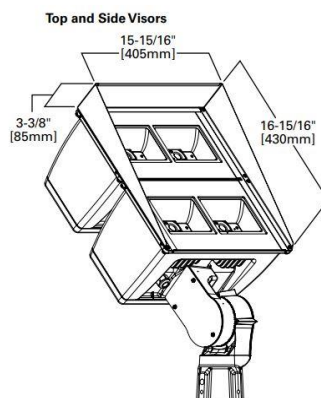
Issue Date: 9/21/2021

Test Information

Test Method: LM-79-08
Report Number: P571692
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-CA4-370-730-U-66-TS2HW_NFFLD
Description: FLOOD LIGHT LARGE, 6x6 OPTIC WITH TOP AND SIDE VISOR
Light Source: (4) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

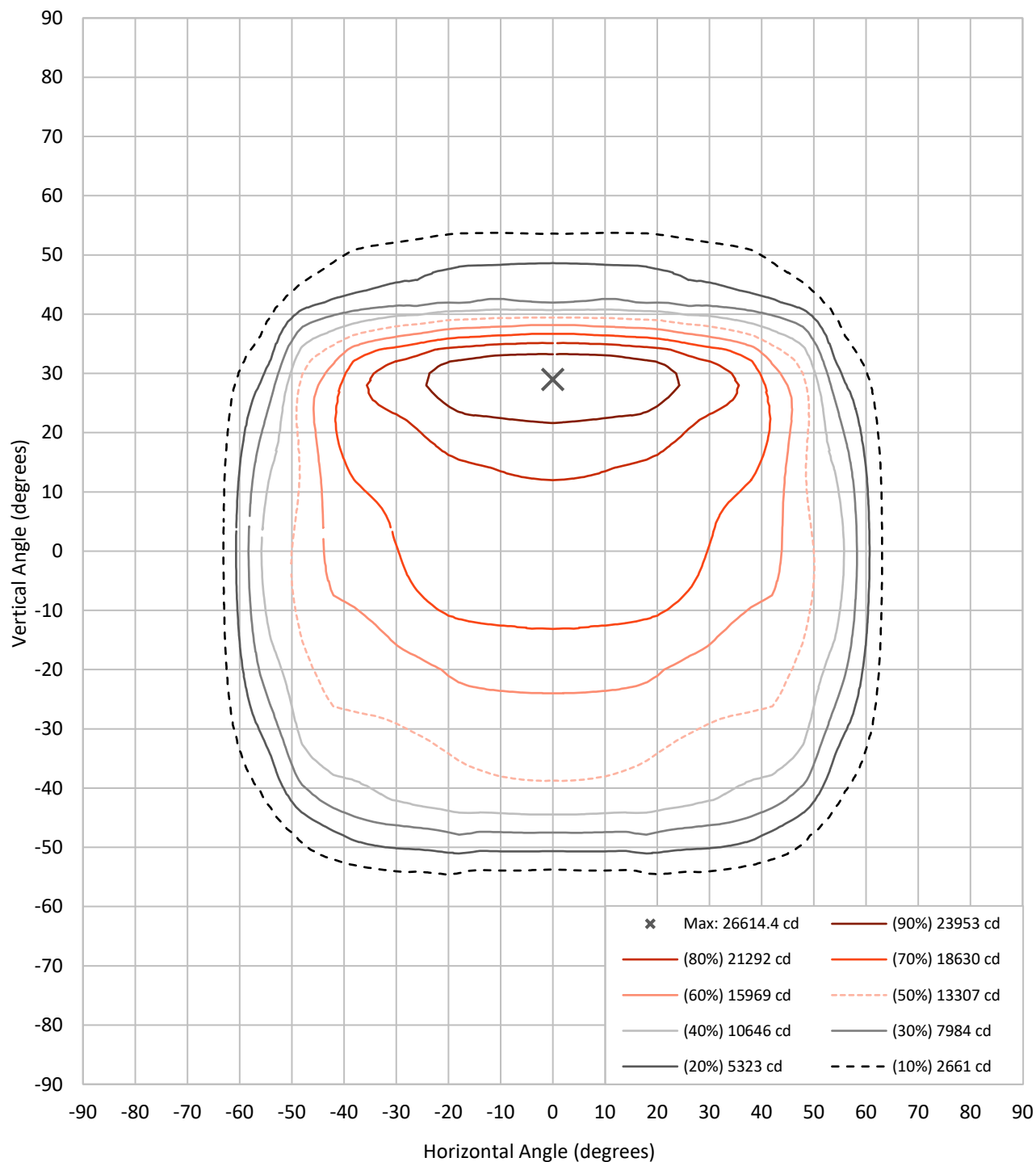
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	46256 lumens	Max Intensity:	26614.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	126.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.33' x L: 1.42' x H: 0')		
Beam Angle (50%):	96.7°H x 78.2°V	Field Angle (10%):	121.2°H x 107.4°V
Beam Lumens:	33581.6 lumens	Field Lumens:	44963.4 lumens
Beam Efficiency:	72.6%	Field Efficiency:	97.2%
Input Watts (W):	366		
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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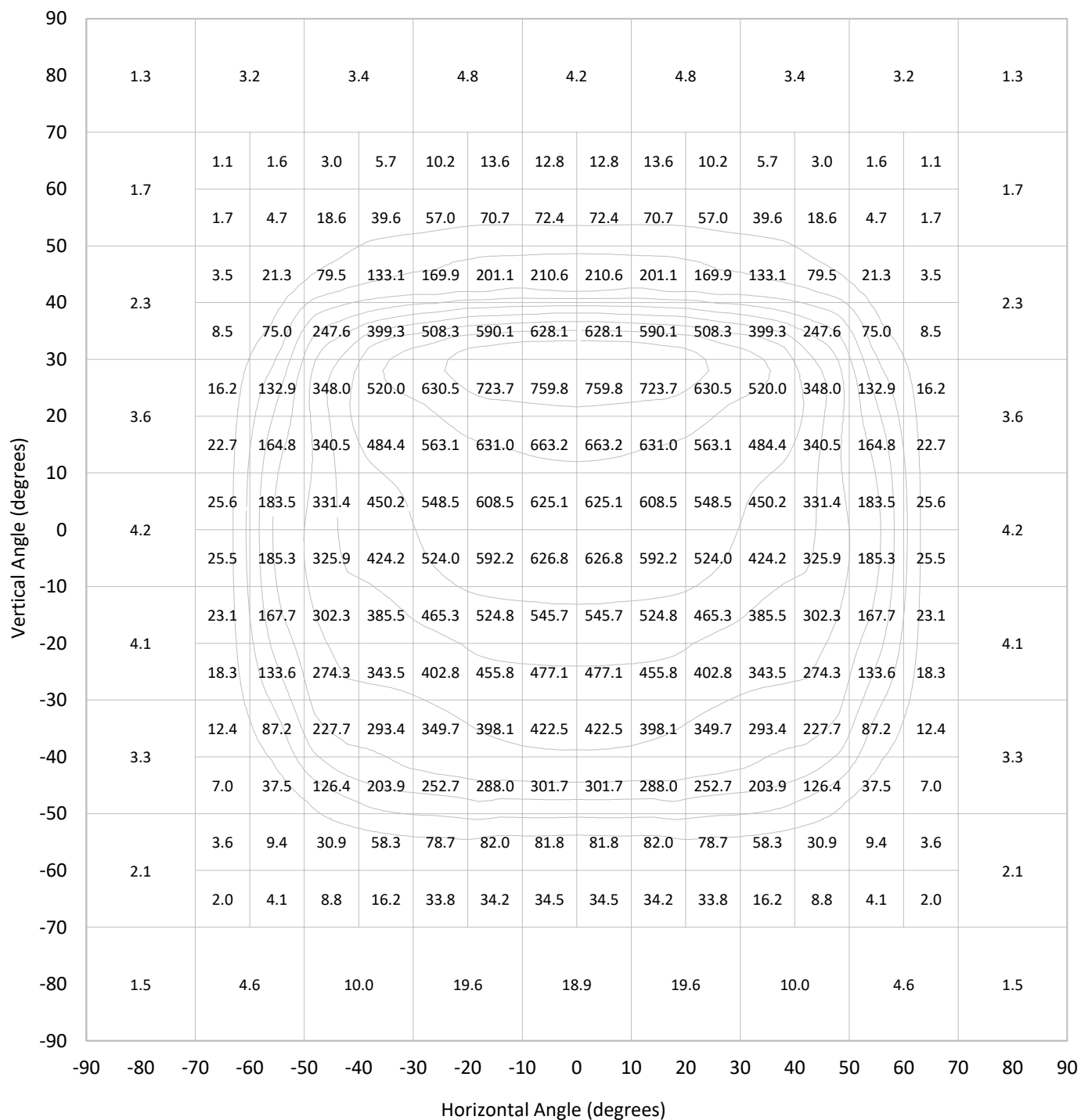
Iso-Candela Plot



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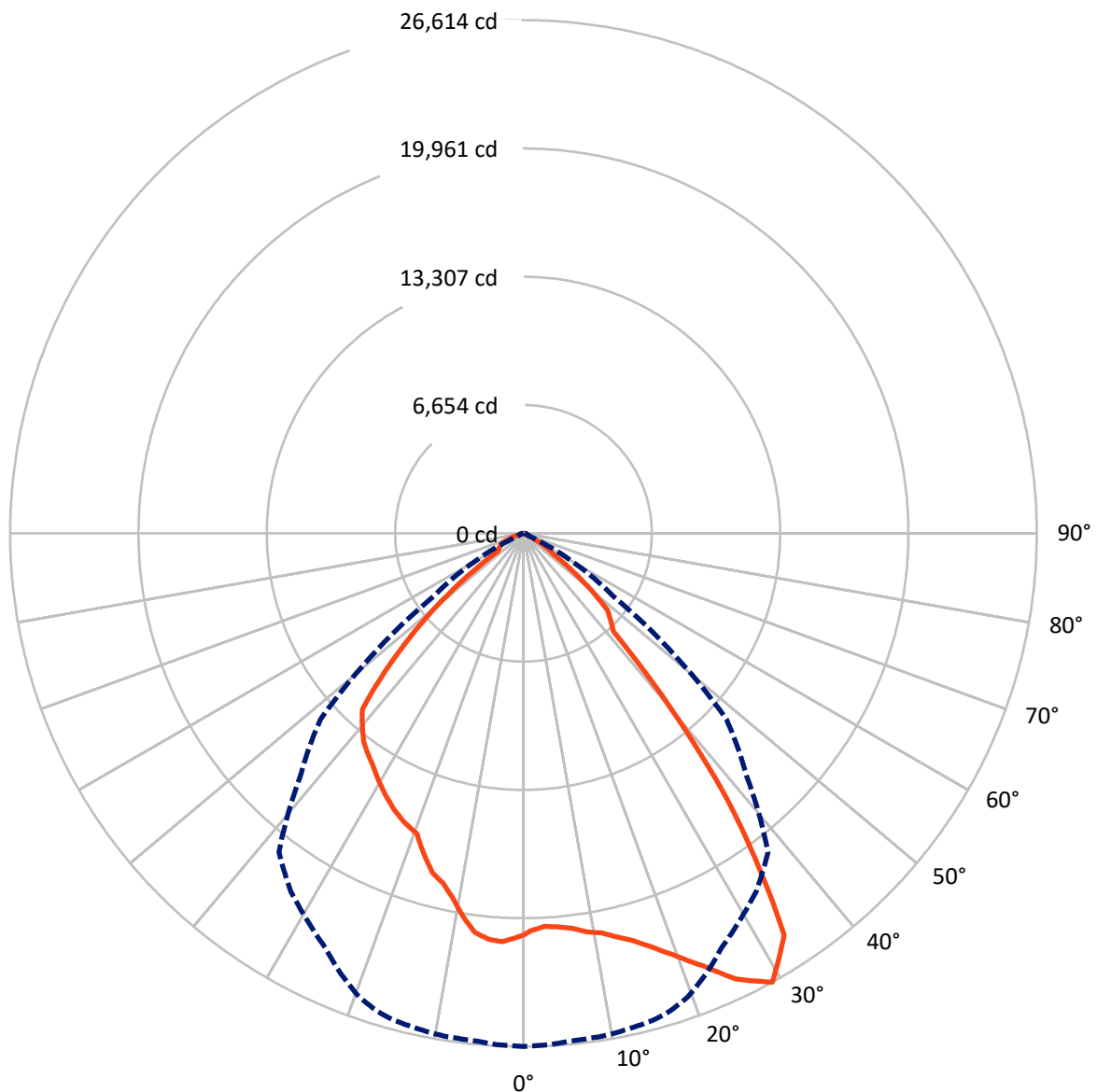
Lumen Table



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Luminous Intensity Polar Plot



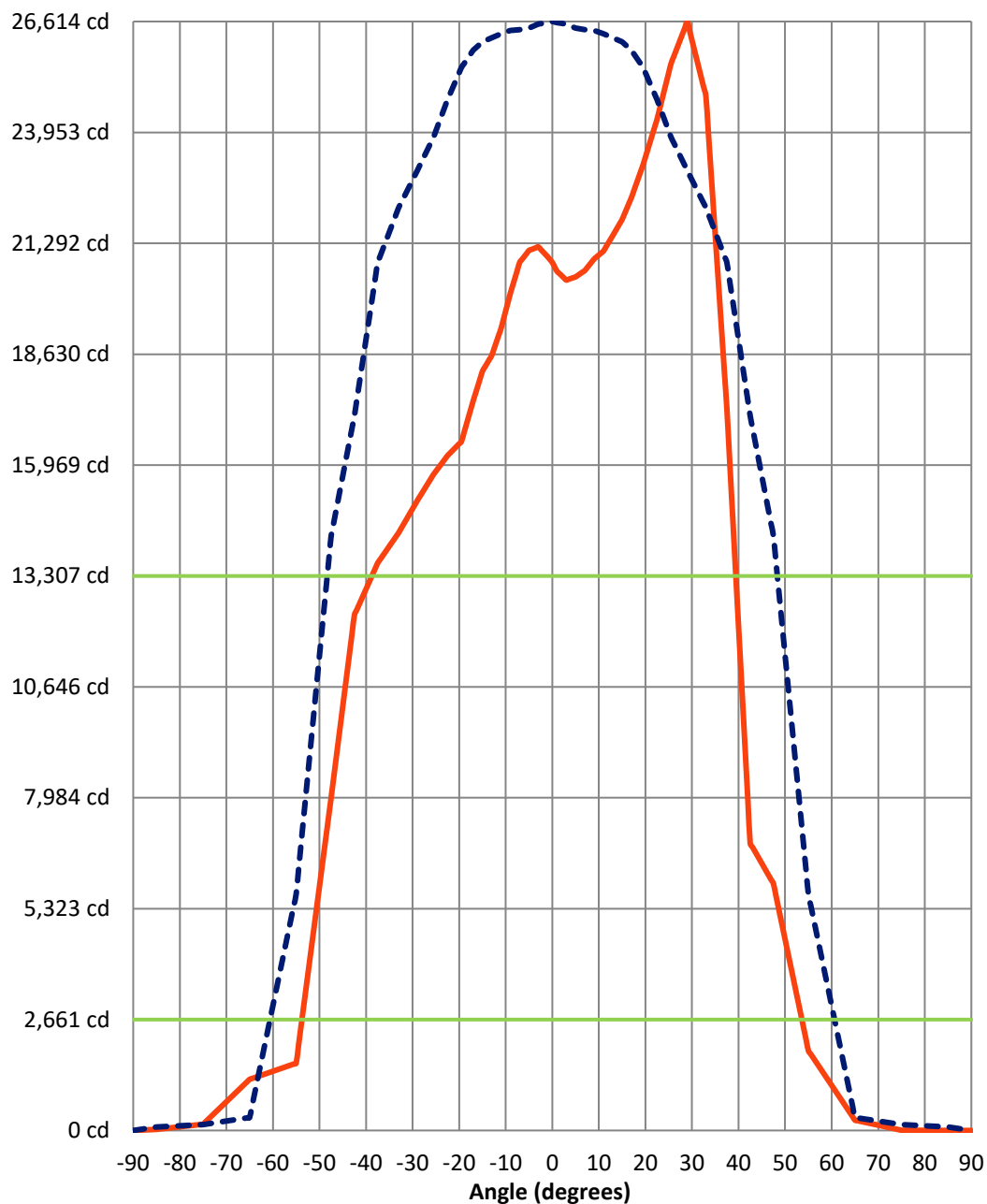
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 29-Deg

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Luminous Intensity Plot



Beam:

H Angle: 96.7°

V Angle: 78.2°

Lumens: 33581.6

Efficiency: 72.6%

Field:

H Angle: 121.2°

V Angle: 107.4°

Lumens: 44963.4

Efficiency: 97.2%

Spill:

Lumens: 1292.6

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	12.3	27.6	34.7	37.8	40.8	43.9	45.9	45.9	44.9	42.9
75°	5.1	7.1	16.3	21.4	24.5	26.5	28.6	27.6	28.6	26.5	26.5
65°	248.1	248.1	247.1	239.9	225.6	210.3	202.1	223.6	279.7	332.8	345.1
55°	1917.2	1893.7	1889.7	1971.3	1972.3	2032.6	2036.7	2053.0	2005.0	2038.7	1976.4
47.5°	5920.1	5924.2	5888.5	5865.0	5832.3	5764.9	5718.0	5684.3	5679.2	5635.3	5452.5
42.5°	6898.1	6908.3	7003.3	7059.4	7218.7	7409.6	7559.6	7381.0	7222.7	6870.5	6980.8
37.5°	17316.2	17331.5	17313.1	17276.4	16885.4	16783.3	16704.7	16473.0	16363.7	16318.8	16129.9
33°	24817.7	24912.6	24857.5	24781.9	24835.0	24779.9	24663.5	24426.7	24000.9	23784.5	23492.5
29°	26614.4	26587.9	26553.2	26457.2	26418.4	26399.0	26319.4	26224.4	26125.4	25923.3	25511.9
25.5°	25602.7	25517.0	25521.0	25430.2	25360.8	25345.5	25268.9	25159.6	25065.7	24872.8	24443.0
22.5°	24268.4	24246.0	24201.0	24120.4	24076.5	23973.4	23885.6	23790.6	23765.1	23695.7	23362.9
19.5°	23176.1	23149.5	23149.5	23107.7	23047.4	22946.4	22818.8	22723.8	22666.7	22640.1	22399.2
17°	22390.0	22365.5	22357.3	22293.0	22239.9	22147.0	22016.4	21892.8	21799.9	21750.9	21576.4
15°	21863.2	21823.4	21817.3	21788.7	21732.5	21636.6	21508.0	21393.6	21313.0	21215.0	21039.4
13°	21478.3	21432.4	21424.2	21380.3	21323.2	21234.4	21130.2	21035.3	20968.9	20866.8	20710.6
11°	21106.7	21138.4	21111.9	21071.0	21006.7	20931.2	20854.6	20794.4	20740.2	20677.0	20567.7
9°	20915.8	20851.5	20855.6	20818.9	20776.0	20721.9	20668.8	20608.6	20603.5	20597.3	20511.6
7°	20639.2	20618.8	20649.4	20629.0	20568.7	20575.9	20532.0	20543.2	20574.9	20607.5	20617.7
5°	20485.0	20472.8	20484.0	20477.9	20456.4	20464.6	20459.5	20519.7	20615.7	20782.1	20929.1
3°	20409.5	20430.9	20427.9	20429.9	20476.9	20496.3	20546.3	20633.1	20752.5	20893.4	20911.8
1°	20621.8	20646.3	20658.6	20703.5	20783.1	20787.2	20786.2	20837.2	20859.7	21191.5	21171.1
0°	20832.1	20845.4	20850.5	20855.6	20886.2	20901.5	20856.6	20843.4	20807.6	21049.6	20929.1
-1°	20968.9	20999.6	20979.1	21010.8	21040.4	20965.9	20903.6	20829.1	20781.1	20906.7	20663.7
-3°	21206.8	21184.3	21133.3	21128.2	21134.3	21015.9	20855.6	20772.9	20631.0	20559.6	20461.5
-5°	21120.0	21111.9	21051.6	21016.9	20947.5	20756.6	20599.4	20467.7	20316.6	20093.0	19947.0
-7°	20833.1	20731.1	20704.5	20648.4	20441.1	20274.7	20086.9	19935.8	19726.5	19598.9	19494.8
-9°	20093.0	20045.0	20057.3	19983.8	19736.7	19597.9	19469.3	19342.7	19216.1	19122.2	19052.7
-11°	19248.7	19162.0	19228.3	19165.0	19042.5	18983.3	18941.5	18871.0	18824.1	18762.8	18685.2
-13°	18601.5	18560.7	18615.8	18585.2	18519.8	18522.9	18511.7	18480.0	18451.4	18374.9	18238.1
-15°	18220.7	18171.7	18192.1	18202.3	18175.8	18166.6	18157.4	18123.7	18074.7	17979.8	17810.3
-17°	17505.1	17425.4	17454.0	17456.1	17451.0	17423.4	17466.3	17444.8	17435.7	17370.3	17215.1
-19.5°	16537.3	16504.6	16501.5	16506.6	16520.9	16526.0	16548.5	16547.5	16537.3	16457.6	16298.4
-22.5°	16194.3	16189.2	16170.8	16184.1	16175.9	16165.7	16159.5	16131.0	16064.6	15992.1	15803.3
-25.5°	15746.1	15736.9	15764.5	15736.9	15695.0	15672.6	15617.5	15558.2	15495.0	15446.0	15251.0
-29°	15114.2	15109.1	15086.6	15068.2	15004.9	14938.6	14848.7	14788.5	14662.9	14583.3	14350.5
-33°	14344.4	14319.9	14284.2	14257.6	14219.9	14158.6	14100.4	13992.2	13870.7	13752.3	13530.8
-37.5°	13617.6	13647.2	13619.6	13613.5	13565.5	13494.0	13409.3	13308.2	13194.9	13068.3	12866.2
-42.5°	12367.0	12370.0	12362.9	12312.9	12218.9	12139.3	12043.4	11985.2	11951.5	11879.0	11687.1
-47.5°	7982.3	7999.6	8001.7	8023.1	7980.2	7946.5	7919.0	7884.3	7872.0	8475.4	8027.2
-55°	1615.0	1622.2	1664.0	1734.5	1774.3	1794.7	1745.7	1702.8	1704.9	1888.6	2139.8
-65°	1227.1	1221.0	1216.9	1207.7	1200.6	1188.3	1199.5	1212.8	1204.6	1227.1	1253.6
-75°	150.1	151.1	152.1	151.1	137.8	151.1	168.4	162.3	170.5	176.6	175.6
-85°	25.5	24.5	33.7	41.9	45.9	54.1	61.3	66.4	68.4	69.4	69.4
-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°	39.8	37.8	35.7	34.7	35.7	38.8	43.9	52.1	66.4	72.5	77.6
75°	25.5	25.5	27.6	35.7	36.8	41.9	47.0	54.1	67.4	73.5	78.6
65°	274.6	164.4	119.4	101.1	81.7	70.4	70.4	76.6	80.6	78.6	79.6
55°	1843.7	1660.0	1498.7	1384.3	1085.2	732.0	498.2	170.5	120.5	84.7	80.6
47.5°	5245.3	4929.8	4647.1	4350.0	4076.4	2932.0	1913.1	362.4	175.6	91.9	81.7
42.5°	7022.7	6069.1	6419.3	6088.5	5632.2	5106.5	3932.4	1309.8	200.1	103.1	81.7
37.5°	15381.6	14776.3	14237.2	13261.3	12054.6	10235.4	8698.9	2572.6	219.5	115.4	82.7
33°	23085.2	21946.9	20987.3	20333.9	18647.4	14775.2	12465.0	3913.0	261.3	128.6	83.7
29°	24738.0	23839.6	23034.2	22145.0	20828.0	17150.8	14261.7	5675.1	311.4	140.9	83.7
25.5°	23736.5	22954.5	22227.7	21589.6	20737.2	18009.4	14981.5	6991.0	361.4	154.2	83.7
22.5°	22663.6	21878.5	21186.4	20714.7	20331.9	18303.4	14776.3	7920.0	411.4	165.4	83.7
19.5°	21795.8	21082.2	20496.3	20141.0	20005.2	18233.0	14290.3	8731.6	467.6	175.6	84.7
17°	21006.7	20442.2	19998.1	19836.8	19740.8	17997.1	14007.5	9384.0	515.5	181.7	84.7
15°	20598.3	20109.3	19788.8	19706.1	19407.0	17722.5	13839.1	9852.5	544.1	187.8	84.7
13°	20327.8	19932.7	19713.2	19492.7	19003.7	17437.7	13756.4	10289.5	564.5	191.9	84.7
11°	20160.4	19854.1	19598.9	19186.5	18557.6	17227.4	13752.3	10657.0	574.8	196.0	85.8
9°	20210.4	19849.0	19432.5	18851.6	18200.3	17055.9	13795.2	10942.8	572.7	199.1	85.8
7°	20283.9	19869.4	19271.2	18538.2	17881.8	16955.8	13856.4	11173.6	561.5	202.1	85.8
5°	20351.3	19881.7	19190.5	18278.9	17617.4	16849.7	13935.0	11362.4	556.4	205.2	85.8
3°	20356.4	19863.3	19082.3	18022.7	17405.0	16774.1	14021.8	11512.5	551.3	207.2	85.8
1°	20279.8	19746.9	18921.0	17791.9	17247.8	16705.7	14112.7	11596.2	548.2	206.2	85.8
0°	20220.6	19630.5	18807.7	17687.8	17143.7	16659.8	14158.6	11617.6	540.0	204.2	85.8
-1°	20106.3	19538.7	18685.2	17624.5	17071.2	16592.4	14188.2	11599.3	536.0	203.2	85.8
-3°	19866.4	19274.3	18492.3	17463.2	16883.4	16449.5	14245.4	11561.5	539.0	201.1	85.8
-5°	19547.9	19006.8	18291.2	17282.5	16667.9	16267.8	14252.5	11460.4	546.2	200.1	85.8
-7°	19202.8	18699.5	17974.7	17012.0	16387.2	16002.3	14206.6	11305.3	536.0	200.1	85.8
-9°	18776.1	18255.4	17532.6	16663.9	16084.0	15702.2	14106.6	11095.0	531.9	201.1	85.8
-11°	18327.9	17777.6	17092.6	16317.8	15756.3	15390.8	13969.8	10851.0	531.9	200.1	86.8
-13°	17868.5	17297.8	16666.9	15976.8	15469.4	15030.5	13782.9	10554.9	527.8	202.1	85.8
-15°	17405.0	16827.2	16287.2	15660.3	15204.0	14716.0	13559.4	10189.4	525.8	205.2	85.8
-17°	16800.7	16302.5	15850.2	15330.6	14894.7	14429.2	13313.3	9780.1	520.7	207.2	85.8
-19.5°	15905.3	15479.6	15145.8	14813.0	14484.3	14051.4	13010.1	9195.1	507.4	208.3	85.8
-22.5°	15384.7	14948.8	14611.9	14316.9	14058.6	13711.5	12670.2	8420.2	484.9	208.3	85.8
-25.5°	14858.9	14463.9	14108.6	13804.4	13625.7	13402.1	12390.5	7559.6	467.6	205.2	85.8
-29°	14043.3	13747.2	13417.5	13109.2	12968.3	12838.6	11980.1	6438.7	457.4	199.1	85.8
-33°	13224.5	12922.3	12574.2	12212.8	12066.8	12001.5	10985.7	4977.8	456.3	187.8	85.8
-37.5°	12574.2	12254.7	11848.4	11410.4	11047.0	10767.2	9409.5	3701.7	448.2	170.5	85.8
-42.5°	11399.2	11196.0	10686.6	10338.5	9636.1	8548.9	6657.2	2401.1	411.4	142.9	84.7
-47.5°	7619.9	7378.9	7203.3	6978.8	6349.9	4939.0	3390.4	889.2	372.6	112.3	84.7
-55°	2096.9	1961.1	2068.3	1800.8	1433.3	1053.6	885.1	328.7	291.0	97.0	83.7
-65°	1358.8	1402.7	1030.1	641.1	400.2	302.2	432.9	195.0	149.0	88.8	82.7
-75°	165.4	146.0	116.4	128.6	136.8	124.5	115.4	83.7	82.7	82.7	81.7
-85°	67.4	65.3	63.3	62.3	60.2	59.2	60.2	63.3	71.5	78.6	79.6
-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)