

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: P571691

Luminaire Tested: **UFLD-L-CA4-370-727-U-66-TS2HW_NFFLD**

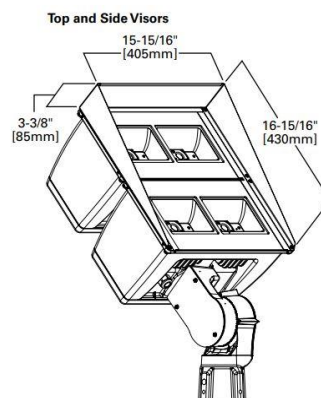
Issue Date: 9/21/2021

Test Information

Test Method: LM-79-08
Report Number: P571691
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-CA4-370-727-U-66-TS2HW_NFFLD
Description: FLOOD LIGHT LARGE, 6x6 OPTIC WITH TOP AND SIDE VISOR
Light Source: (4) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

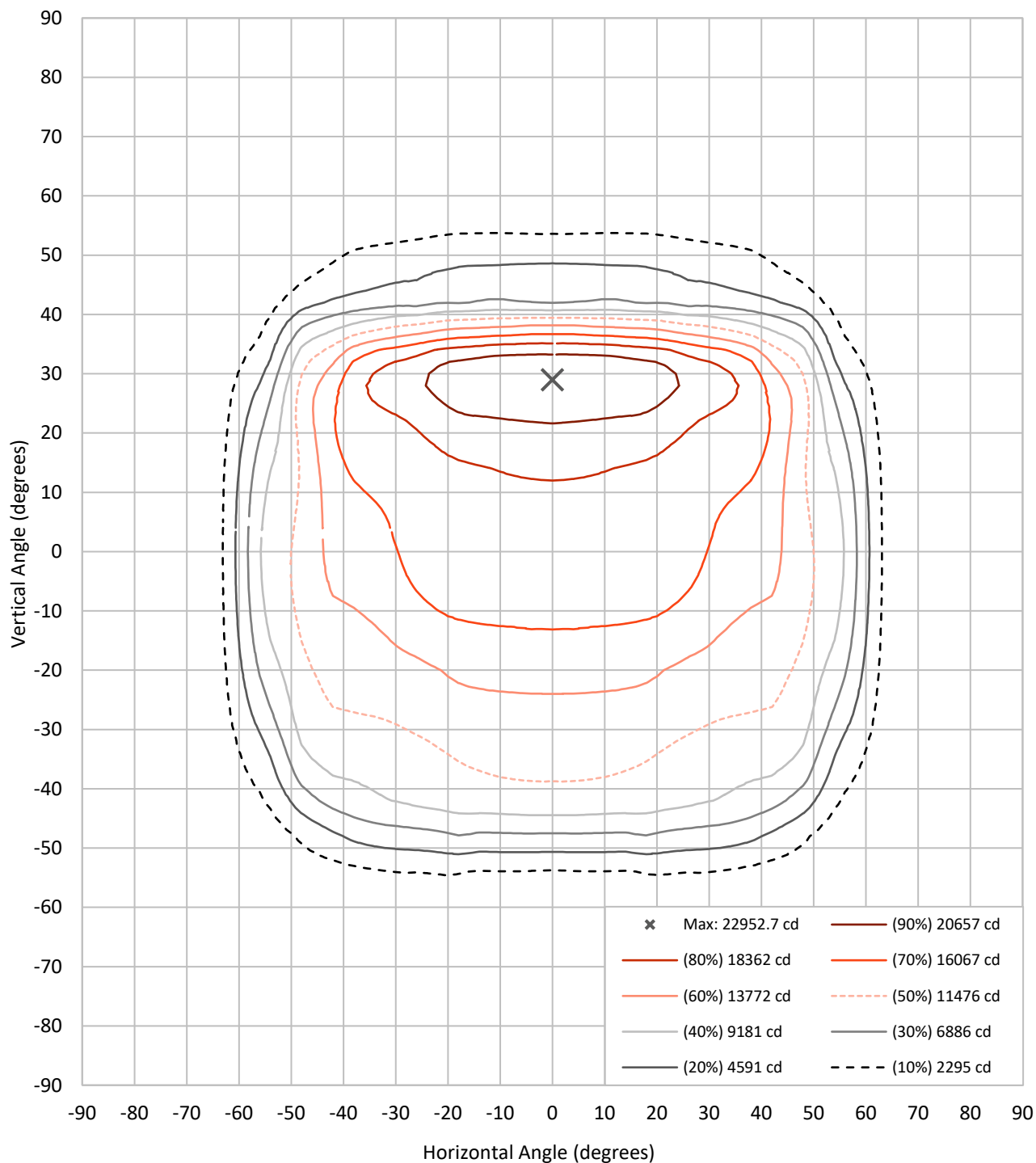
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	39892 lumens	Max Intensity:	22952.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	109.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.33' x L: 1.42' x H: 0')		
Beam Angle (50%):	96.7°H x 78.2°V	Field Angle (10%):	121.2°H x 107.4°V
Beam Lumens:	28961.4 lumens	Field Lumens:	38777.2 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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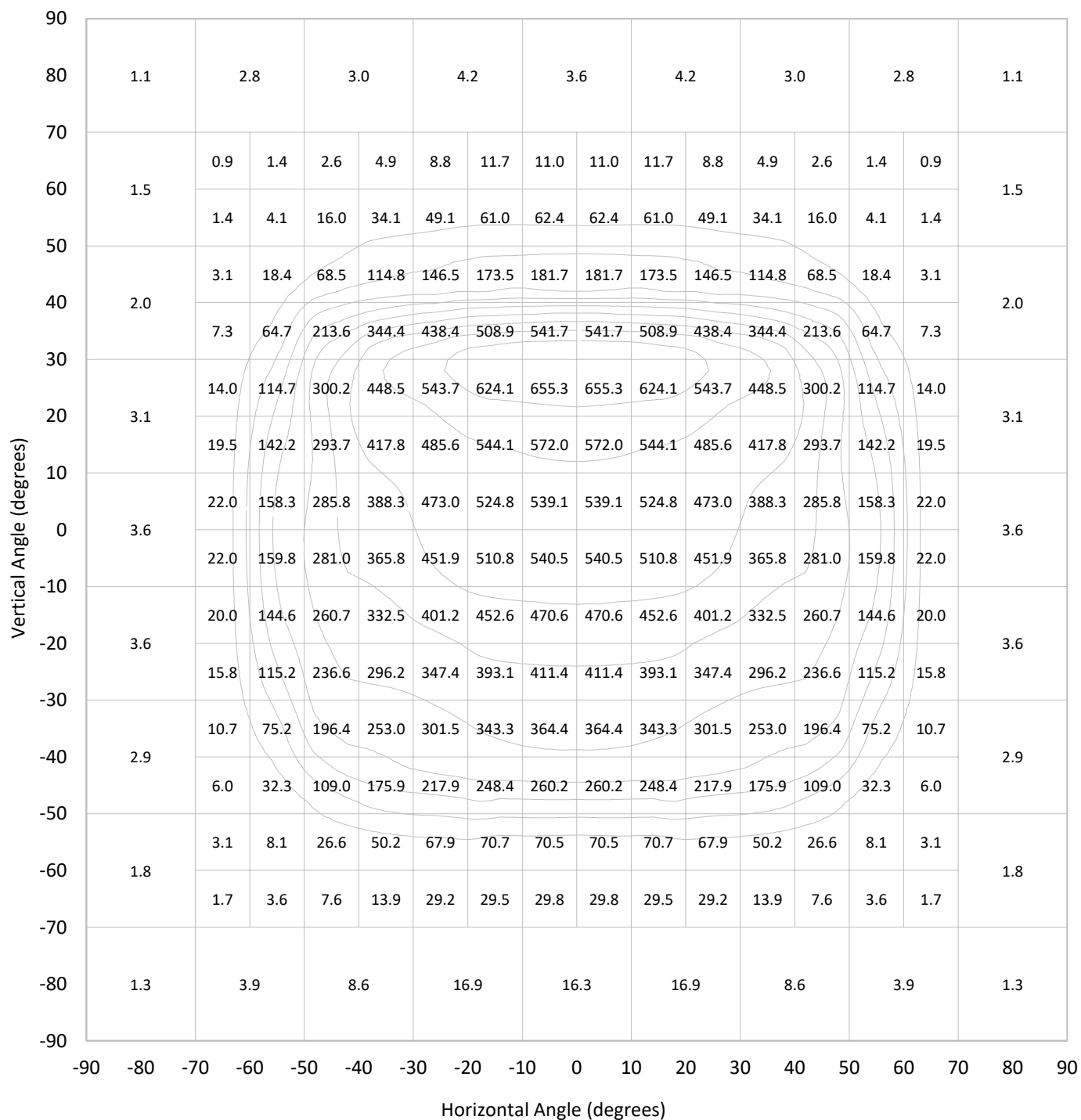
Iso-Candela Plot



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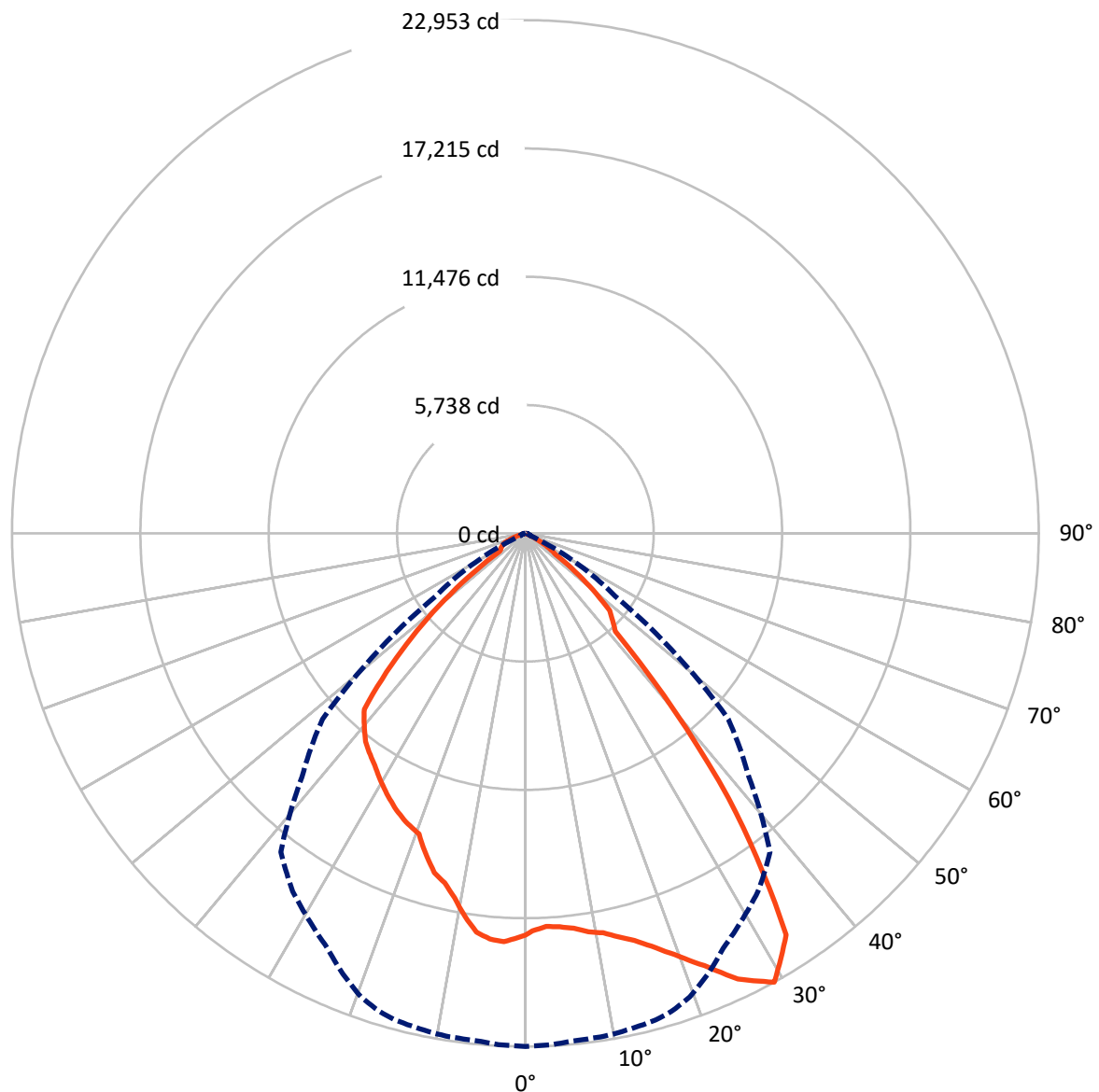
Lumen Table



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Luminous Intensity Polar Plot



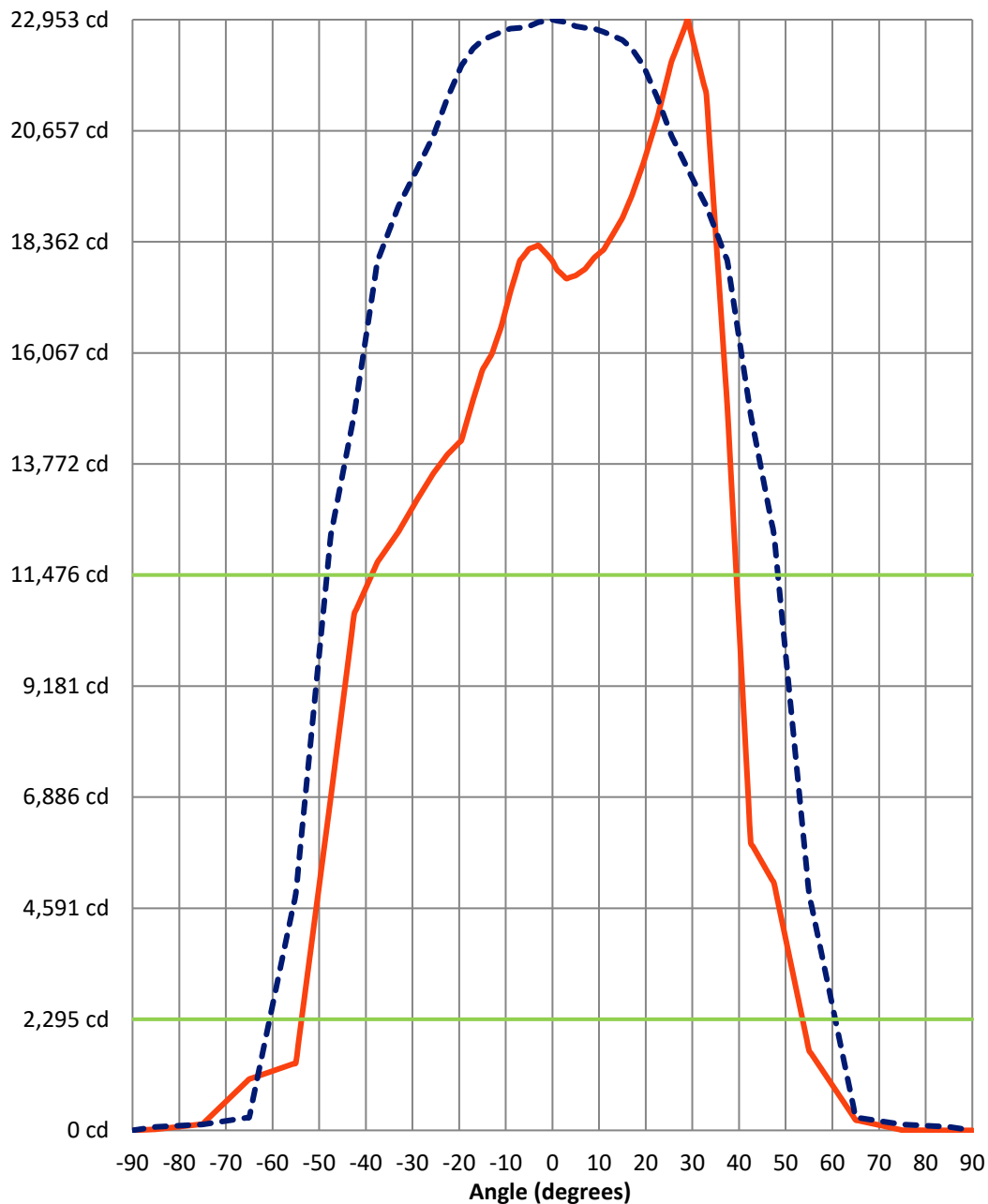
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 29-Deg

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Luminous Intensity Plot



Beam:

H Angle: 96.7°

V Angle: 78.2°

Lumens: 28961.4

Efficiency: 72.6%

Field:

H Angle: 121.2°

V Angle: 107.4°

Lumens: 38777.2

Efficiency: 97.2%

Spill:

Lumens: 1114.8

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	10.6	23.8	29.9	32.6	35.2	37.9	39.6	39.6	38.7	37.0
75°	4.4	6.2	14.1	18.5	21.1	22.9	24.7	23.8	24.7	22.9	22.9
65°	213.9	213.9	213.1	206.9	194.6	181.4	174.3	192.8	241.2	287.0	297.6
55°	1653.4	1633.2	1629.7	1700.1	1701.0	1752.9	1756.5	1770.5	1729.2	1758.2	1704.5
47.5°	5105.6	5109.1	5078.3	5058.1	5029.9	4971.8	4931.3	4902.2	4897.8	4860.0	4702.4
42.5°	5949.0	5957.9	6039.7	6088.2	6225.5	6390.1	6519.6	6365.5	6229.0	5925.3	6020.4
37.5°	14933.8	14947.0	14931.2	14899.5	14562.3	14474.2	14406.4	14206.6	14112.4	14073.6	13910.8
33°	21403.2	21485.1	21437.5	21372.4	21418.2	21370.6	21270.2	21066.0	20698.8	20512.2	20260.4
29°	22952.7	22929.8	22899.9	22817.2	22783.7	22767.0	22698.3	22616.4	22531.0	22356.7	22001.9
25.5°	22080.2	22006.3	22009.8	21931.4	21871.6	21858.4	21792.3	21698.1	21617.1	21450.7	21080.1
22.5°	20929.5	20910.1	20871.4	20801.9	20764.0	20675.1	20599.4	20517.5	20495.5	20435.6	20148.6
19.5°	19987.5	19964.6	19964.6	19928.5	19876.5	19789.4	19679.3	19597.4	19548.1	19525.2	19317.5
17°	19309.5	19288.4	19281.4	19225.9	19180.1	19100.0	18987.3	18880.8	18800.6	18758.4	18607.8
15°	18855.2	18820.9	18815.6	18791.0	18742.5	18659.8	18548.8	18450.2	18380.7	18296.2	18144.7
13°	18523.3	18483.7	18476.6	18438.8	18389.5	18312.9	18223.1	18141.2	18084.0	17995.9	17861.2
11°	18202.8	18230.1	18207.2	18172.0	18116.6	18051.4	17985.4	17933.4	17886.8	17832.2	17738.0
9°	18038.2	17982.7	17986.2	17954.6	17917.6	17870.9	17825.1	17773.2	17768.8	17763.5	17689.5
7°	17799.6	17782.0	17808.4	17790.8	17738.8	17745.0	17707.2	17716.8	17744.1	17772.3	17781.1
5°	17666.7	17656.1	17665.8	17660.5	17642.0	17649.0	17644.6	17696.6	17779.3	17922.9	18049.6
3°	17601.5	17620.0	17617.4	17619.1	17659.6	17676.3	17719.5	17794.3	17897.3	18018.8	18034.7
1°	17784.6	17805.8	17816.3	17855.1	17923.7	17927.3	17926.4	17970.4	17989.8	18275.9	18258.3
0°	17966.0	17977.4	17981.8	17986.2	18012.7	18025.9	17987.1	17975.7	17944.9	18153.5	18049.6
-1°	18084.0	18110.4	18092.8	18120.1	18145.6	18081.3	18027.6	17963.4	17922.0	18030.3	17820.7
-3°	18289.1	18269.7	18225.7	18221.3	18226.6	18124.5	17986.2	17914.9	17792.6	17730.9	17646.4
-5°	18214.3	18207.2	18155.3	18125.4	18065.5	17900.8	17765.3	17651.7	17521.4	17328.6	17202.7
-7°	17966.9	17878.8	17855.9	17807.5	17628.8	17485.3	17323.3	17193.0	17012.5	16902.4	16812.6
-9°	17328.6	17287.2	17297.8	17234.4	17021.3	16901.6	16790.6	16681.5	16572.3	16491.3	16431.4
-11°	16600.5	16525.6	16582.8	16528.3	16422.6	16371.5	16335.4	16274.7	16234.2	16181.4	16114.5
-13°	16042.3	16007.0	16054.6	16028.2	15971.8	15974.5	15964.8	15937.5	15912.8	15846.8	15728.8
-15°	15713.9	15671.6	15689.2	15698.0	15675.1	15667.2	15659.3	15630.2	15588.0	15506.1	15359.9
-17°	15096.7	15028.0	15052.7	15054.4	15050.0	15026.3	15063.2	15044.7	15036.8	14980.5	14846.6
-19.5°	14262.0	14233.9	14231.2	14235.6	14248.0	14252.4	14271.7	14270.8	14262.0	14193.4	14056.0
-22.5°	13966.2	13961.8	13946.0	13957.4	13950.4	13941.6	13936.3	13911.6	13854.4	13791.9	13629.0
-25.5°	13579.7	13571.8	13595.6	13571.8	13535.7	13516.3	13468.8	13417.7	13363.1	13320.9	13152.7
-29°	13034.7	13030.3	13011.0	12995.1	12940.5	12883.3	12805.8	12753.9	12645.6	12576.9	12376.2
-33°	12370.9	12349.8	12318.9	12296.0	12263.5	12210.6	12160.5	12067.1	11962.4	11860.2	11669.2
-37.5°	11744.0	11769.6	11745.8	11740.5	11699.1	11637.5	11564.4	11477.3	11379.5	11270.3	11096.0
-42.5°	10665.5	10668.1	10662.0	10618.8	10537.8	10469.2	10386.4	10336.2	10307.2	10244.7	10079.1
-47.5°	6884.1	6899.0	6900.8	6919.3	6882.3	6853.2	6829.5	6799.5	6789.0	7309.3	6922.8
-55°	1392.8	1399.0	1435.1	1495.8	1530.2	1547.8	1505.5	1468.6	1470.3	1628.8	1845.4
-65°	1058.3	1053.0	1049.5	1041.5	1035.4	1024.8	1034.5	1045.9	1038.9	1058.3	1081.2
-75°	129.4	130.3	131.2	130.3	118.9	130.3	145.3	140.0	147.0	152.3	151.4
-85°	22.0	21.1	29.1	36.1	39.6	46.7	52.8	57.2	59.0	59.9	59.9
-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	32.6	30.8	29.9	30.8	33.5	37.9	44.9	57.2	62.5	66.9
75°	22.0	22.0	23.8	30.8	31.7	36.1	40.5	46.7	58.1	63.4	67.8
65°	236.8	141.7	103.0	87.2	70.4	60.7	60.7	66.0	69.6	67.8	68.7
55°	1590.1	1431.6	1292.5	1193.9	935.9	631.3	429.6	147.0	103.9	73.1	69.6
47.5°	4523.6	4251.6	4007.7	3751.5	3515.5	2528.6	1649.9	312.6	151.4	79.2	70.4
42.5°	6056.5	5234.1	5536.1	5250.9	4857.3	4403.9	3391.4	1129.6	172.6	88.9	70.4
37.5°	13265.4	12743.3	12278.4	11436.8	10396.1	8827.2	7502.1	2218.7	189.3	99.5	71.3
33°	19909.1	18927.4	18099.8	17536.4	16081.9	12742.4	10750.0	3374.7	225.4	110.9	72.2
29°	21334.5	20559.7	19865.1	19098.2	17962.5	14791.2	12299.6	4894.3	268.5	121.5	72.2
25.5°	20470.8	19796.4	19169.5	18619.3	17884.1	15531.6	12920.3	6029.2	311.7	132.9	72.2
22.5°	19545.5	18868.4	18271.5	17864.8	17534.6	15785.2	12743.3	6830.4	354.8	142.6	72.2
19.5°	18797.1	18181.7	17676.3	17370.0	17252.9	15724.4	12324.2	7530.3	403.2	151.4	73.1
17°	18116.6	17629.7	17246.7	17107.6	17024.8	15521.1	12080.3	8092.9	444.6	156.7	73.1
15°	17764.4	17342.7	17066.2	16994.9	16736.9	15284.2	11935.1	8497.0	469.3	162.0	73.1
13°	17531.1	17190.3	17001.1	16810.9	16389.2	15038.6	11863.8	8873.8	486.9	165.5	73.1
11°	17386.7	17122.6	16902.4	16546.8	16004.4	14857.2	11860.2	9190.8	495.7	169.0	74.0
9°	17429.8	17118.1	16758.9	16258.0	15696.3	14709.3	11897.2	9437.3	493.9	171.7	74.0
7°	17493.2	17135.8	16619.8	15987.7	15421.6	14623.0	11950.0	9636.3	484.2	174.3	74.0
5°	17551.3	17146.3	16550.3	15764.1	15193.5	14531.5	12017.8	9799.2	479.8	177.0	74.0
3°	17555.7	17130.5	16456.9	15543.1	15010.4	14466.3	12092.7	9928.6	475.4	178.7	74.0
1°	17489.7	17030.1	16317.8	15344.1	14874.8	14407.3	12171.0	10000.8	472.8	177.8	74.0
0°	17438.6	16929.7	16220.1	15254.3	14785.0	14367.7	12210.6	10019.3	465.7	176.1	74.0
-1°	17340.0	16850.5	16114.5	15199.7	14722.5	14309.6	12236.2	10003.4	462.2	175.2	74.0
-3°	17133.1	16622.5	15948.1	15060.6	14560.5	14186.3	12285.5	9970.8	464.9	173.4	74.0
-5°	16858.4	16391.8	15774.6	14904.8	14374.7	14029.6	12291.6	9883.7	471.0	172.6	74.0
-7°	16560.8	16126.8	15501.7	14671.4	14132.6	13800.7	12252.0	9749.9	462.2	172.6	74.0
-9°	16192.8	15743.8	15120.5	14371.2	13871.1	13541.9	12165.7	9568.5	458.7	173.4	74.0
-11°	15806.3	15331.8	14741.0	14072.7	13588.5	13273.3	12047.8	9358.1	458.7	172.6	74.8
-13°	15410.1	14918.0	14373.9	13778.7	13341.1	12962.5	11886.6	9102.7	455.2	174.3	74.0
-15°	15010.4	14512.1	14046.3	13505.8	13112.2	12691.4	11693.8	8787.5	453.4	177.0	74.0
-17°	14489.2	14059.5	13669.5	13221.4	12845.4	12444.0	11481.7	8434.5	449.0	178.7	74.0
-19.5°	13717.1	13349.9	13062.0	12775.0	12491.5	12118.2	11220.2	7930.0	437.6	179.6	74.0
-22.5°	13268.0	12892.1	12601.6	12347.1	12124.4	11825.0	10927.0	7261.8	418.2	179.6	74.0
-25.5°	12814.6	12473.9	12167.5	11905.1	11751.1	11558.2	10685.7	6519.6	403.2	177.0	74.0
-29°	12111.2	11855.8	11571.5	11305.6	11184.1	11072.3	10331.8	5552.9	394.4	171.7	74.0
-33°	11405.1	11144.4	10844.2	10532.6	10406.7	10350.3	9474.3	4293.0	393.6	162.0	74.0
-37.5°	10844.2	10568.6	10218.2	9840.5	9527.1	9285.9	8114.9	3192.4	386.5	147.0	74.0
-42.5°	9830.9	9655.6	9216.3	8916.1	8310.4	7372.7	5741.3	2070.8	354.8	123.3	73.1
-47.5°	6571.5	6363.7	6212.3	6018.6	5476.3	4259.5	2923.9	766.9	321.4	96.8	73.1
-55°	1808.4	1691.3	1783.7	1553.1	1236.1	908.6	763.3	283.5	250.9	83.6	72.2
-65°	1171.8	1209.7	888.4	552.9	345.1	260.6	373.3	168.2	128.5	76.6	71.3
-75°	142.6	125.9	100.4	110.9	118.0	107.4	99.5	72.2	71.3	71.3	70.4
-85°	58.1	56.3	54.6	53.7	51.9	51.1	51.9	54.6	61.6	67.8	68.7
-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):

	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)