

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: P571681

Luminaire Tested: **UFLD-L-CA4-270-740-U-66-TS2HW_NFFLD**

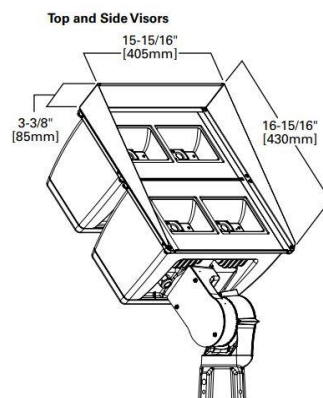
Issue Date: 9/21/2021

Test Information

Test Method: LM-79-08
Report Number: P571681
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-CA4-270-740-U-66-TS2HW_NFFLD
Description: FLOOD LIGHT LARGE, 6x6 OPTIC WITH TOP AND SIDE VISOR
Light Source: (4) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

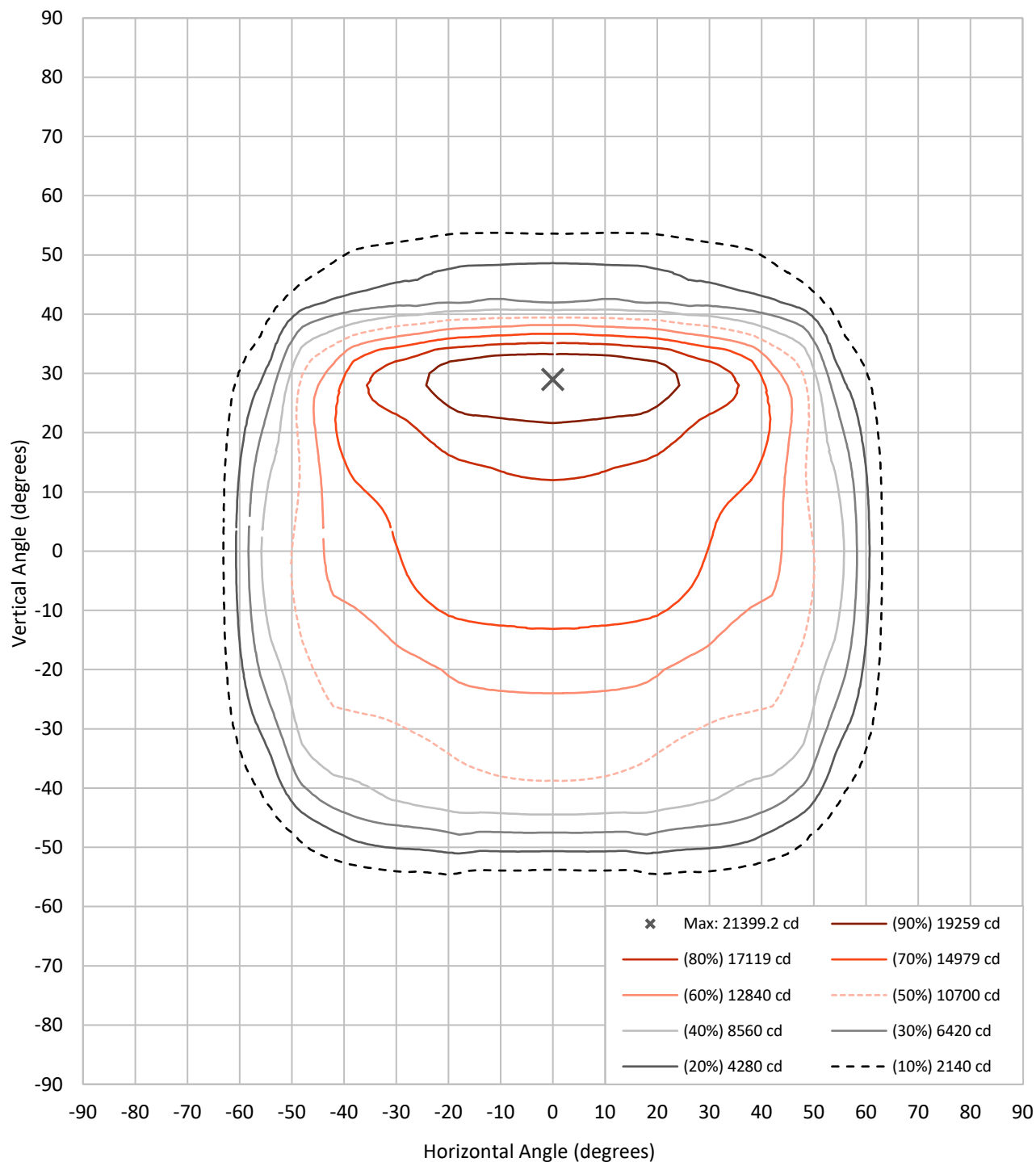
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	37192 lumens	Max Intensity:	21399.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	140.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.33' x L: 1.42' x H: 0')		
Beam Angle (50%):	96.7°H x 78.2°V	Field Angle (10%):	121.2°H x 107.4°V
Beam Lumens:	27001.2 lumens	Field Lumens:	36152.7 lumens
Beam Efficiency:	72.6%	Field Efficiency:	97.2%
Input Watts (W):	265.4		
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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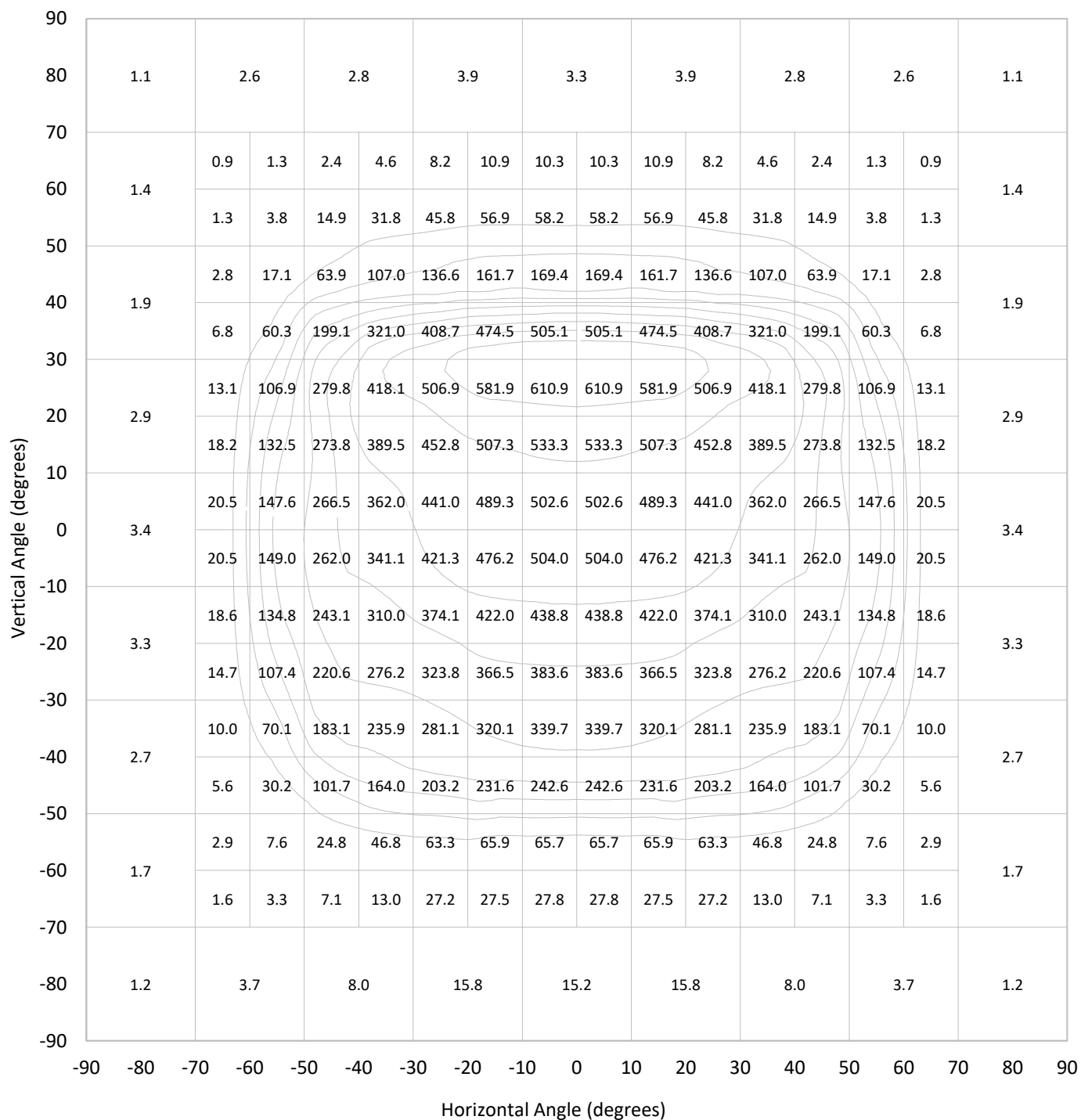
Iso-Candela Plot



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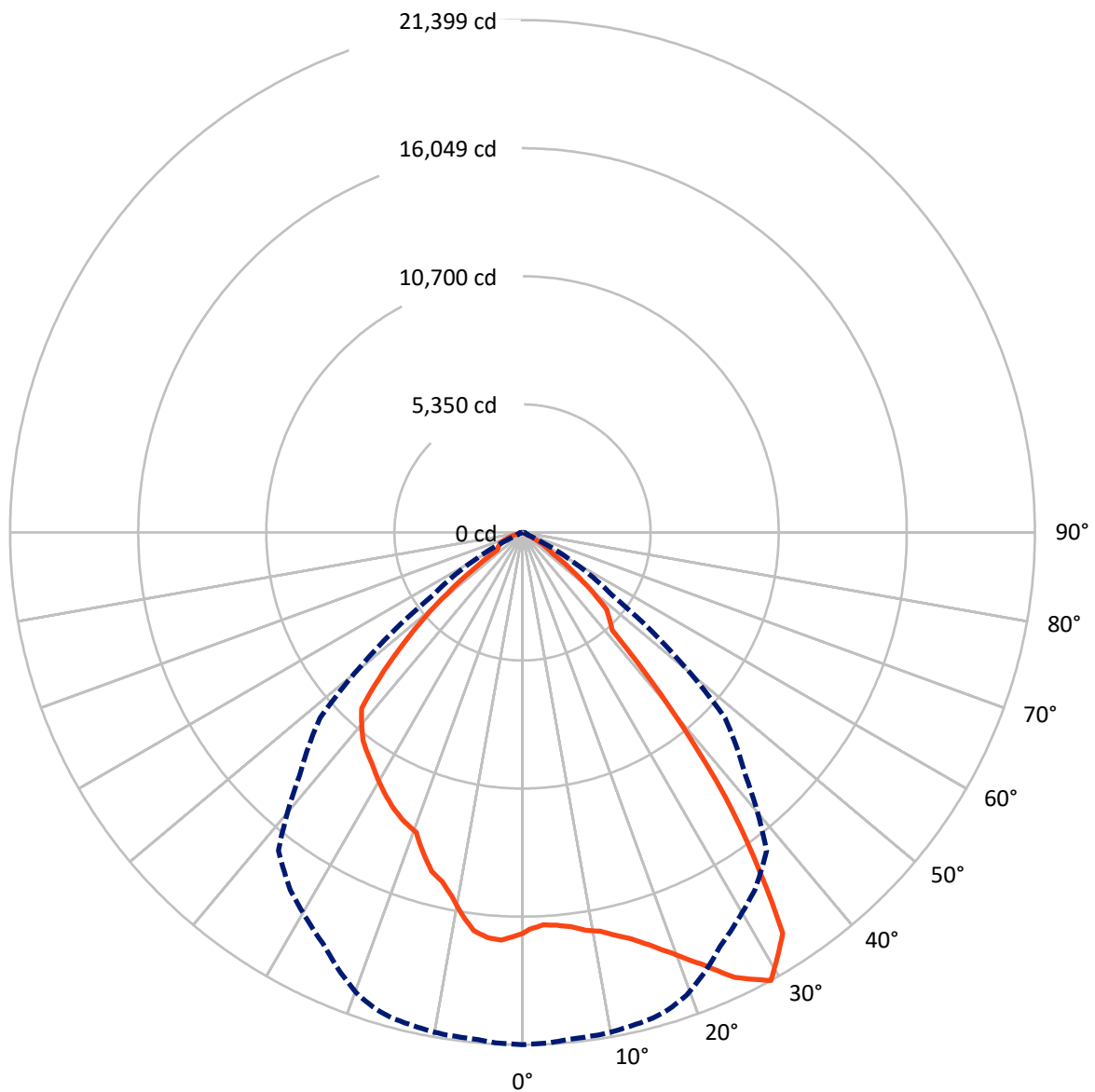
Lumen Table



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Luminous Intensity Polar Plot



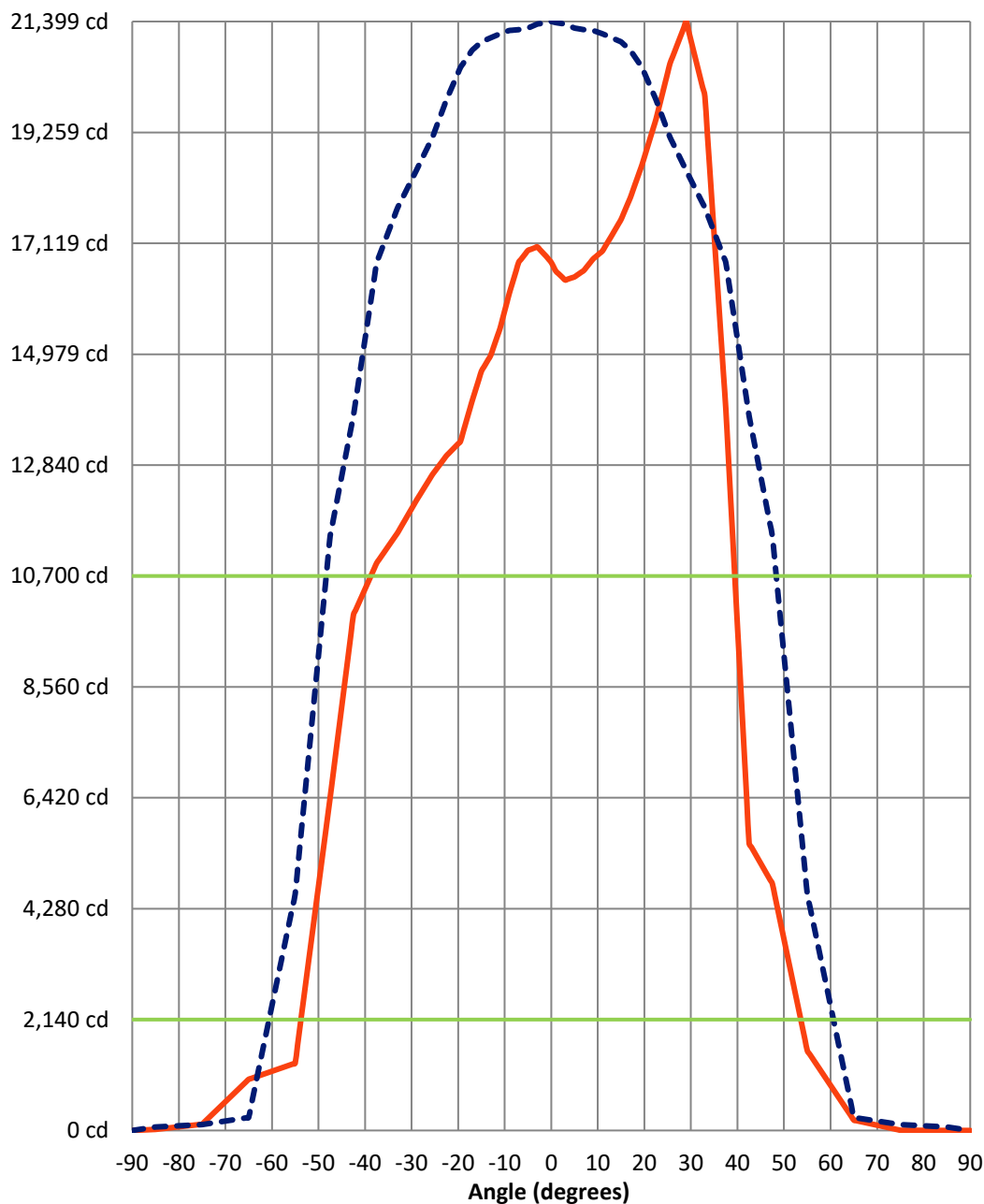
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 29-Deg

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Luminous Intensity Plot



Beam:

H Angle: 96.7°

V Angle: 78.2°

Lumens: 27001.2

Efficiency: 72.6%

Field:

H Angle: 121.2°

V Angle: 107.4°

Lumens: 36152.7

Efficiency: 97.2%

Spill:

Lumens: 1039.3

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	9.9	22.2	27.9	30.4	32.8	35.3	36.9	36.9	36.1	34.5
75°	4.1	5.7	13.1	17.2	19.7	21.3	23.0	22.2	23.0	21.3	21.3
65°	199.5	199.5	198.6	192.9	181.4	169.1	162.5	179.8	224.9	267.6	277.4
55°	1541.5	1522.7	1519.4	1585.0	1585.9	1634.3	1637.6	1650.7	1612.1	1639.2	1589.1
47.5°	4760.0	4763.3	4734.6	4715.7	4689.4	4635.3	4597.5	4570.4	4566.3	4531.0	4384.1
42.5°	5546.4	5554.6	5630.9	5676.1	5804.1	5957.6	6078.3	5934.7	5807.4	5524.2	5612.9
37.5°	13923.0	13935.4	13920.6	13891.0	13576.7	13494.6	13431.4	13245.0	13157.2	13121.1	12969.2
33°	19954.6	20030.9	19986.6	19925.8	19968.5	19924.2	19830.6	19640.2	19297.9	19123.9	18889.1
29°	21399.2	21377.9	21350.0	21272.8	21241.6	21226.0	21162.0	21085.7	21006.1	20843.5	20512.7
25.5°	20585.8	20516.8	20520.1	20447.1	20391.2	20378.9	20317.4	20229.5	20154.0	19998.9	19653.3
22.5°	19513.0	19494.9	19458.8	19393.9	19358.6	19275.7	19205.1	19128.8	19108.3	19052.5	18784.9
19.5°	18634.7	18613.3	18613.3	18579.7	18531.2	18450.0	18347.4	18271.0	18225.1	18203.7	18010.0
17°	18002.6	17982.9	17976.3	17924.6	17881.9	17807.3	17702.2	17602.9	17528.2	17488.8	17348.4
15°	17579.1	17547.0	17542.1	17519.1	17474.0	17396.8	17293.4	17201.5	17136.6	17057.8	16916.6
13°	17269.6	17232.7	17226.1	17190.8	17144.8	17073.4	16989.7	16913.4	16860.0	16777.9	16652.3
11°	16970.8	16996.3	16974.9	16942.1	16890.4	16829.6	16768.1	16719.6	16676.1	16625.2	16537.4
9°	16817.3	16765.6	16768.9	16739.3	16704.9	16661.4	16618.7	16570.2	16566.1	16561.2	16492.3
7°	16594.9	16578.5	16603.1	16586.7	16538.2	16544.0	16508.7	16517.7	16543.2	16569.4	16577.6
5°	16470.9	16461.1	16470.1	16465.2	16447.9	16454.5	16450.4	16498.8	16576.0	16709.8	16828.0
3°	16410.2	16427.4	16425.0	16426.6	16464.4	16480.0	16520.2	16589.9	16686.0	16799.3	16814.0
1°	16580.9	16600.6	16610.5	16646.6	16710.6	16713.9	16713.1	16754.1	16772.2	17038.9	17022.5
0°	16750.0	16760.7	16764.8	16768.9	16793.5	16805.8	16769.7	16759.0	16730.3	16924.8	16828.0
-1°	16860.0	16884.6	16868.2	16893.7	16917.5	16857.5	16807.5	16747.5	16709.0	16809.9	16614.6
-3°	17051.3	17033.2	16992.2	16988.1	16993.0	16897.8	16768.9	16702.4	16588.3	16530.8	16452.0
-5°	16981.5	16974.9	16926.5	16898.6	16842.8	16689.3	16562.9	16457.0	16335.5	16155.7	16038.3
-7°	16750.8	16668.7	16647.4	16602.3	16435.6	16301.8	16150.8	16029.3	15861.0	15758.4	15674.7
-9°	16155.7	16117.1	16127.0	16067.9	15869.3	15757.6	15654.2	15552.4	15450.6	15375.1	15319.3
-11°	15476.9	15407.1	15460.5	15409.6	15311.1	15263.5	15229.8	15173.2	15135.4	15086.2	15023.8
-13°	14956.5	14923.6	14968.0	14943.3	14890.8	14893.3	14884.2	14858.8	14835.8	14774.3	14664.3
-15°	14650.3	14610.9	14627.3	14635.5	14614.2	14606.8	14599.4	14572.3	14532.9	14456.6	14320.3
-17°	14074.9	14010.9	14033.9	14035.5	14031.4	14009.2	14043.7	14026.5	14019.1	13966.6	13841.8
-19.5°	13296.7	13270.5	13268.0	13272.1	13283.6	13287.7	13305.8	13305.0	13296.7	13232.7	13104.7
-22.5°	13020.9	13016.8	13002.1	13012.7	13006.2	12998.0	12993.0	12970.1	12916.7	12858.4	12706.6
-25.5°	12660.6	12653.2	12675.4	12653.2	12619.6	12601.5	12557.2	12509.6	12458.7	12419.3	12262.5
-29°	12152.5	12148.4	12130.3	12115.6	12064.7	12011.3	11939.1	11890.7	11789.7	11725.7	11538.5
-33°	11533.6	11513.9	11485.2	11463.8	11433.4	11384.2	11337.4	11250.4	11152.7	11057.5	10879.4
-37.5°	10949.2	10973.0	10950.8	10945.9	10907.3	10849.8	10781.7	10700.4	10609.3	10507.5	10345.0
-42.5°	9943.6	9946.1	9940.3	9900.1	9824.6	9760.6	9683.4	9636.6	9609.5	9551.3	9396.9
-47.5°	6418.1	6432.1	6433.7	6451.0	6416.5	6389.4	6367.2	6339.3	6329.5	6814.6	6454.2
-55°	1298.6	1304.3	1338.0	1394.6	1426.6	1443.0	1403.6	1369.2	1370.8	1518.5	1720.5
-65°	986.6	981.7	978.4	971.1	965.3	955.5	964.5	975.2	968.6	986.6	1008.0
-75°	120.7	121.5	122.3	121.5	110.8	121.5	135.4	130.5	137.1	142.0	141.2
-85°	20.5	19.7	27.1	33.7	36.9	43.5	49.3	53.4	55.0	55.8	55.8
-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°	32.0	30.4	28.7	27.9	28.7	31.2	35.3	41.9	53.4	58.3	62.4
75°	20.5	20.5	22.2	28.7	29.6	33.7	37.8	43.5	54.2	59.1	63.2
65°	220.8	132.2	96.0	81.3	65.7	56.6	56.6	61.6	64.8	63.2	64.0
55°	1482.4	1334.7	1205.0	1113.1	872.6	588.5	400.6	137.1	96.9	68.1	64.8
47.5°	4217.5	3963.8	3736.5	3497.6	3277.6	2357.4	1538.2	291.4	141.2	73.9	65.7
42.5°	5646.5	4879.9	5161.4	4895.5	4528.6	4105.8	3161.9	1053.1	160.9	82.9	65.7
37.5°	12367.6	11880.8	11447.4	10662.7	9692.4	8229.7	6994.4	2068.5	176.5	92.8	66.5
33°	18561.6	17646.4	16874.8	16349.4	14993.4	11880.0	10022.4	3146.3	210.1	103.4	67.3
29°	19890.5	19168.2	18520.6	17805.6	16746.7	13790.1	11467.1	4563.0	250.4	113.3	67.3
25.5°	19085.3	18456.5	17872.1	17359.1	16673.7	14480.4	12045.8	5621.1	290.6	123.9	67.3
22.5°	18222.6	17591.4	17034.8	16655.6	16347.8	14716.8	11880.8	6368.1	330.8	133.0	67.3
19.5°	17524.9	16951.1	16480.0	16194.3	16085.1	14660.2	11490.1	7020.6	375.9	141.2	68.1
17°	16890.4	16436.5	16079.4	15949.7	15872.5	14470.5	11262.7	7545.1	414.5	146.1	68.1
15°	16562.0	16168.9	15911.1	15844.6	15604.1	14249.7	11127.3	7921.9	437.5	151.0	68.1
13°	16344.5	16026.9	15850.4	15673.1	15279.9	14020.7	11060.8	8273.2	453.9	154.3	68.1
11°	16209.9	15963.6	15758.4	15426.8	14921.2	13851.6	11057.5	8568.7	462.1	157.6	69.0
9°	16250.1	15959.5	15624.6	15157.6	14633.9	13713.7	11092.0	8798.6	460.5	160.1	69.0
7°	16309.2	15976.0	15495.0	14905.6	14377.8	13633.3	11141.2	8984.1	451.5	162.5	69.0
5°	16363.4	15985.8	15430.1	14697.1	14165.2	13547.9	11204.4	9135.9	447.4	165.0	69.0
3°	16367.5	15971.0	15343.1	14491.1	13994.5	13487.2	11274.2	9256.6	443.3	166.6	69.0
1°	16305.9	15877.5	15213.4	14305.6	13868.1	13432.2	11347.3	9323.9	440.8	165.8	69.0
0°	16258.3	15783.9	15122.3	14221.8	13784.3	13395.2	11384.2	9341.1	434.2	164.2	69.0
-1°	16166.4	15710.0	15023.8	14170.9	13726.0	13341.1	11408.0	9326.4	430.9	163.3	69.0
-3°	15973.5	15497.4	14868.7	14041.2	13575.0	13226.2	11454.0	9296.0	433.4	161.7	69.0
-5°	15717.4	15282.4	14706.9	13896.0	13401.8	13080.0	11459.7	9214.7	439.1	160.9	69.0
-7°	15440.0	15035.3	14452.5	13678.4	13176.1	12866.6	11422.8	9090.0	430.9	160.9	69.0
-9°	15096.8	14678.2	14097.1	13398.5	12932.3	12625.3	11342.3	8920.9	427.7	161.7	69.0
-11°	14736.5	14294.1	13743.3	13120.3	12668.8	12374.9	11232.3	8724.7	427.7	160.9	69.8
-13°	14367.1	13908.3	13401.0	12846.1	12438.2	12085.2	11082.1	8486.6	424.4	162.5	69.0
-15°	13994.5	13529.9	13095.6	12591.6	12224.7	11832.4	10902.4	8192.8	422.7	165.0	69.0
-17°	13508.5	13108.0	12744.3	12326.5	11976.0	11601.7	10704.5	7863.6	418.6	166.6	69.0
-19.5°	12788.6	12446.4	12177.9	11910.4	11646.0	11298.0	10460.8	7393.3	408.0	167.5	69.0
-22.5°	12370.0	12019.5	11748.6	11511.4	11303.8	11024.7	10187.4	6770.3	389.9	167.5	69.0
-25.5°	11947.3	11629.6	11344.0	11099.4	10955.7	10776.0	9962.5	6078.3	375.9	165.0	69.0
-29°	11291.4	11053.4	10788.3	10540.4	10427.1	10322.9	9632.5	5177.0	367.7	160.1	69.0
-33°	10633.1	10390.2	10110.3	9819.7	9702.3	9649.8	8833.0	4002.4	366.9	151.0	69.0
-37.5°	10110.3	9853.3	9526.6	9174.5	8882.3	8657.4	7565.7	2976.4	360.3	137.1	69.0
-42.5°	9165.5	9002.1	8592.5	8312.6	7747.9	6873.7	5352.7	1930.6	330.8	114.9	68.1
-47.5°	6126.7	5933.0	5791.8	5611.2	5105.6	3971.2	2726.0	714.9	299.6	90.3	68.1
-55°	1686.0	1576.8	1663.0	1448.0	1152.5	847.1	711.7	264.3	233.9	78.0	67.3
-65°	1092.5	1127.8	828.2	515.5	321.8	243.0	348.0	156.8	119.8	71.4	66.5
-75°	133.0	117.4	93.6	103.4	110.0	100.1	92.8	67.3	66.5	66.5	65.7
-85°	54.2	52.5	50.9	50.1	48.4	47.6	48.4	50.9	57.5	63.2	64.0
-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)