

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: P571673

Luminaire Tested: **UFLD-L-CA4-250-727-U-66-TS2HW_NFFLD**

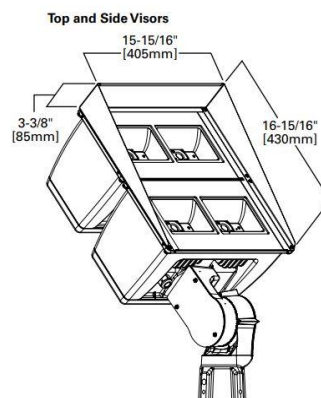
Issue Date: 9/21/2021

Test Information

Test Method: LM-79-08
Report Number: P571673
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-CA4-250-727-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

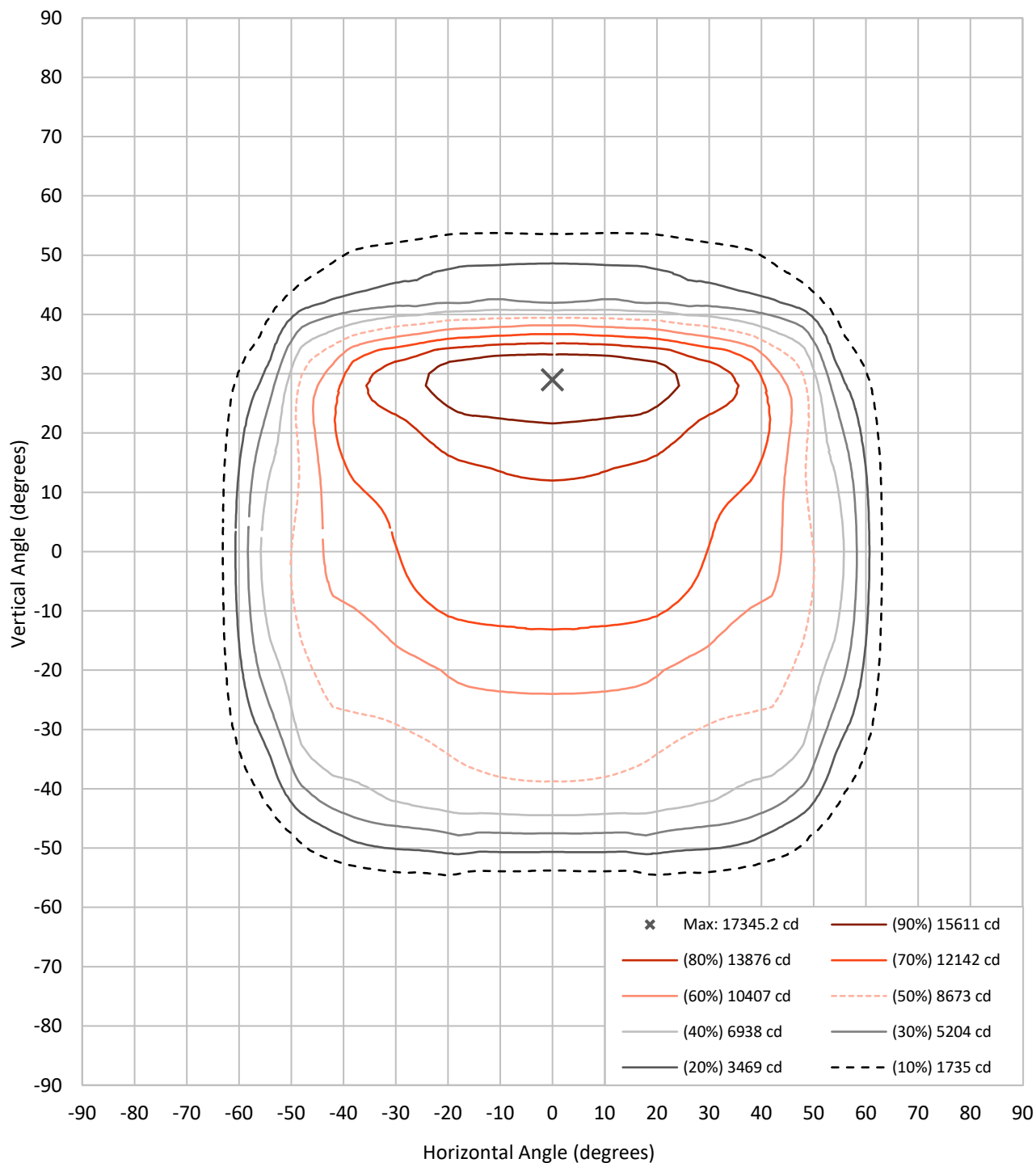
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	30146 lumens	Max Intensity:	17345.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	120.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.33' x L: 1.42' x H: 0')		
Beam Angle (50%):	96.7°H x 78.2°V	Field Angle (10%):	121.2°H x 107.4°V
Beam Lumens:	21885.8 lumens	Field Lumens:	29303.6 lumens
Beam Efficiency:	72.6%	Field Efficiency:	97.2%
Input Watts (W):	251.3		
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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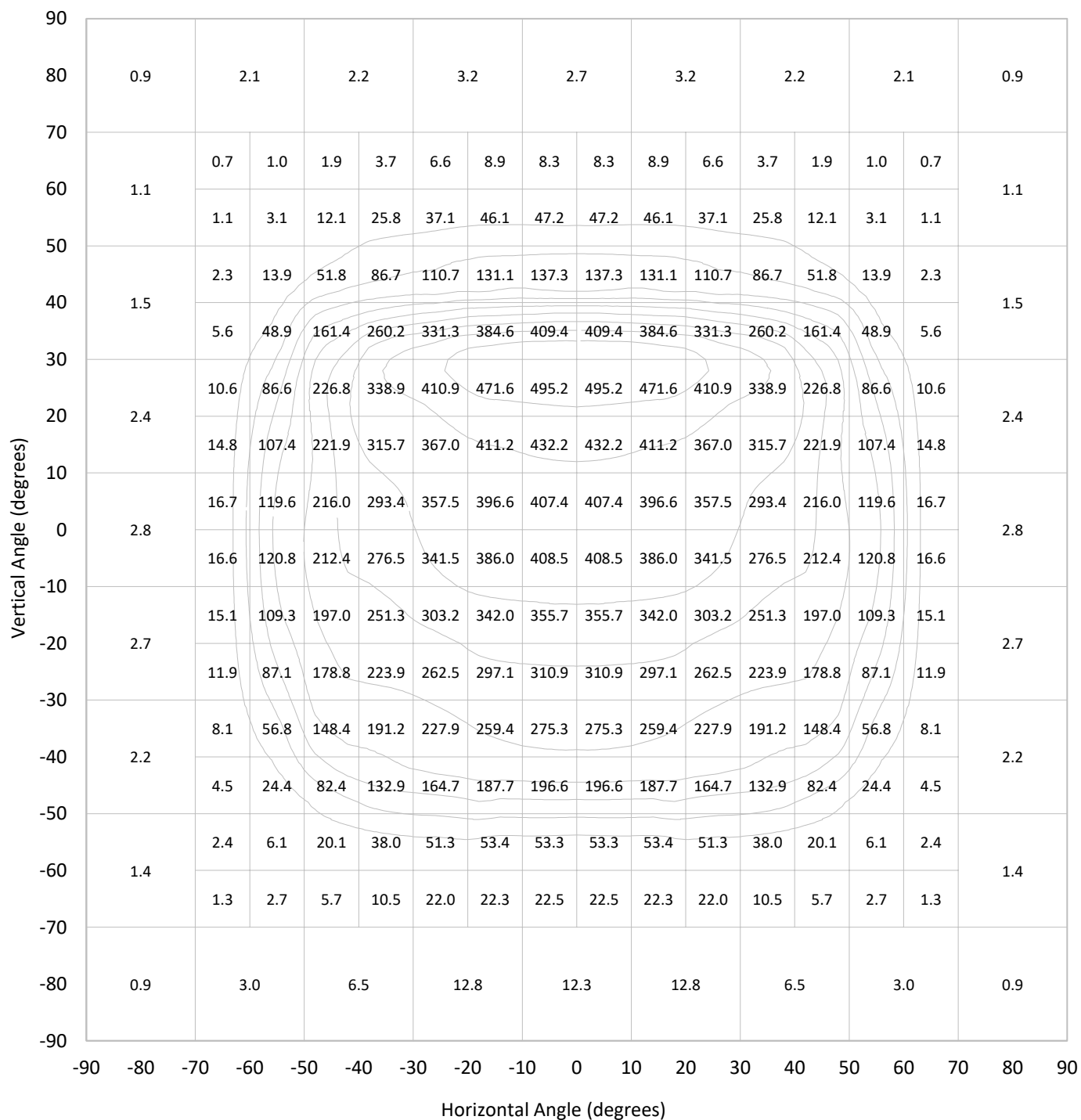
Iso-Candela Plot



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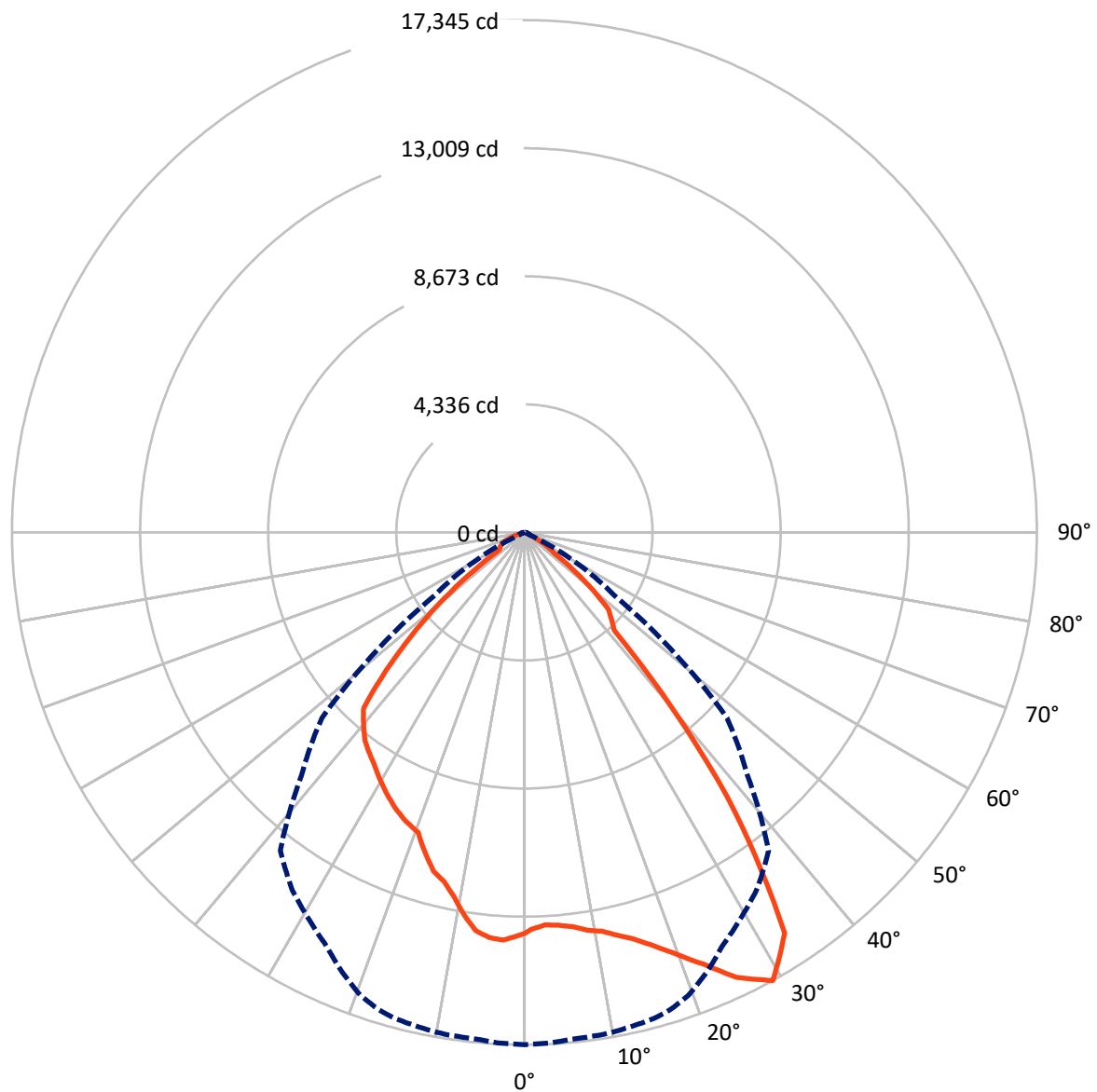
Lumen Table



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Luminous Intensity Polar Plot



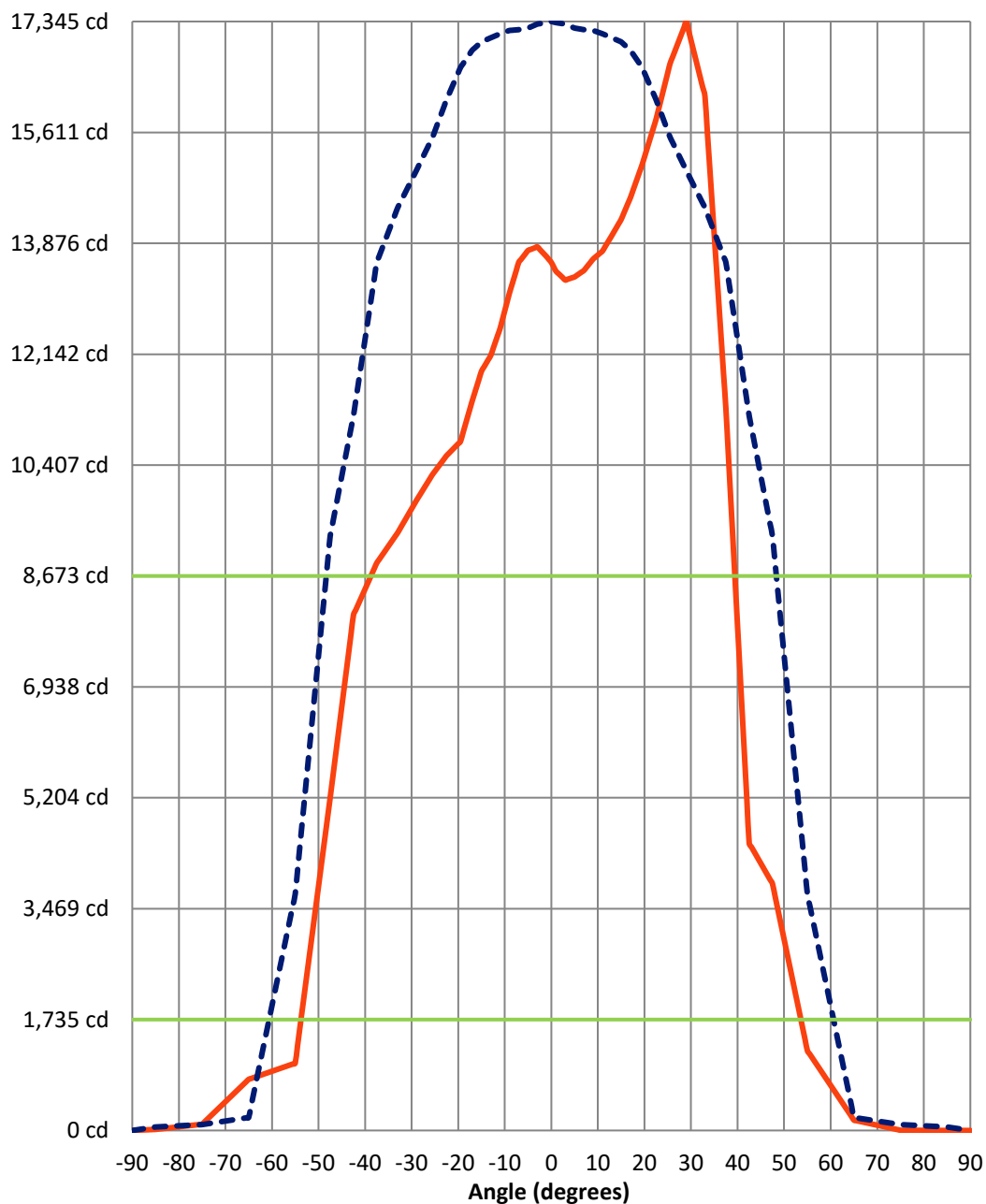
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 29-Deg

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Luminous Intensity Plot



Beam:
H Angle: 96.7°
V Angle: 78.2°
Lumens: 21885.8
Efficiency: 72.6%

Field:
H Angle: 121.2°
V Angle: 107.4°
Lumens: 29303.6
Efficiency: 97.2%

Spill:
Lumens: 842.4
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	8.0	18.0	22.6	24.6	26.6	28.6	29.9	29.9	29.3	27.9
75°	3.3	4.7	10.6	14.0	16.0	17.3	18.6	18.0	18.6	17.3	17.3
65°	161.7	161.7	161.0	156.4	147.0	137.1	131.7	145.7	182.3	216.9	224.9
55°	1249.5	1234.2	1231.5	1284.8	1285.4	1324.7	1327.3	1338.0	1306.7	1328.7	1288.1
47.5°	3858.3	3860.9	3837.6	3822.3	3801.0	3757.1	3726.5	3704.6	3701.2	3672.6	3553.5
42.5°	4495.6	4502.3	4564.2	4600.8	4704.6	4829.0	4926.8	4810.3	4707.2	4477.7	4549.5
37.5°	11285.3	11295.3	11283.3	11259.4	11004.6	10938.0	10886.8	10735.8	10664.6	10635.3	10512.2
33°	16174.2	16236.1	16200.1	16150.9	16185.5	16149.6	16073.7	15919.4	15641.9	15500.9	15310.6
29°	17345.2	17327.9	17305.2	17242.7	17217.4	17204.8	17152.9	17091.0	17026.5	16894.7	16626.6
25.5°	16685.8	16629.9	16632.6	16573.4	16528.1	16518.2	16468.3	16397.1	16335.9	16210.1	15930.0
22.5°	15816.2	15801.6	15772.3	15719.8	15691.2	15624.0	15566.7	15504.9	15488.2	15443.0	15226.1
19.5°	15104.3	15087.0	15087.0	15059.8	15020.5	14954.6	14871.5	14809.6	14772.3	14755.0	14598.0
17°	14592.0	14576.1	14570.7	14528.8	14494.2	14433.7	14348.5	14268.0	14207.5	14175.5	14061.8
15°	14248.7	14222.8	14218.8	14200.1	14163.6	14101.0	14017.2	13942.7	13890.1	13826.2	13711.8
13°	13997.9	13967.9	13962.6	13934.0	13896.8	13838.9	13771.0	13709.1	13665.9	13599.4	13497.6
11°	13755.7	13776.3	13759.0	13732.4	13690.5	13641.3	13591.4	13552.1	13516.9	13475.6	13404.4
9°	13631.3	13589.4	13592.0	13568.1	13540.1	13504.9	13470.3	13431.0	13427.7	13423.7	13367.8
7°	13451.0	13437.7	13457.6	13444.3	13405.1	13409.7	13381.1	13388.4	13409.1	13430.4	13437.0
5°	13350.5	13342.5	13349.9	13345.9	13331.9	13337.2	13333.9	13373.1	13435.7	13544.1	13639.9
3°	13301.3	13315.3	13313.3	13314.6	13345.2	13357.8	13390.4	13447.0	13524.8	13616.7	13628.6
1°	13439.7	13455.6	13463.6	13492.9	13544.8	13547.5	13546.8	13580.1	13594.7	13810.9	13797.6
0°	13576.7	13585.4	13588.7	13592.0	13612.0	13622.0	13592.7	13584.1	13560.8	13718.4	13639.9
-1°	13665.9	13685.8	13672.5	13693.2	13712.5	13663.9	13623.3	13574.7	13543.5	13625.3	13467.0
-3°	13820.9	13806.3	13773.0	13769.7	13773.7	13696.5	13592.0	13538.1	13445.7	13399.1	13335.2
-5°	13764.4	13759.0	13719.8	13697.2	13651.9	13527.5	13425.0	13339.2	13240.7	13095.0	12999.9
-7°	13577.4	13510.9	13493.6	13457.0	13321.9	13213.5	13091.0	12992.6	12856.2	12773.0	12705.1
-9°	13095.0	13063.8	13071.7	13023.8	12862.8	12772.3	12688.5	12606.0	12523.5	12462.3	12417.1
-11°	12544.8	12488.3	12531.5	12490.2	12410.4	12371.8	12344.5	12298.6	12268.0	12228.1	12177.5
-13°	12123.0	12096.4	12132.3	12112.3	12069.8	12071.8	12064.4	12043.8	12025.2	11975.3	11886.1
-15°	11874.8	11842.9	11856.2	11862.8	11845.5	11839.6	11833.6	11811.6	11779.7	11717.8	11607.4
-17°	11408.4	11356.5	11375.2	11376.5	11373.2	11355.2	11383.1	11369.2	11363.2	11320.6	11219.5
-19.5°	10777.7	10756.4	10754.4	10757.7	10767.0	10770.4	10785.0	10784.3	10777.7	10725.8	10622.0
-22.5°	10554.1	10550.8	10538.8	10547.5	10542.2	10535.5	10531.5	10512.9	10469.6	10422.4	10299.3
-25.5°	10262.1	10256.1	10274.0	10256.1	10228.8	10214.2	10178.2	10139.6	10098.4	10066.4	9939.4
-29°	9850.2	9846.9	9832.3	9820.3	9779.0	9735.8	9677.2	9638.0	9556.1	9504.2	9352.5
-33°	9348.6	9332.6	9309.3	9292.0	9267.4	9227.5	9189.5	9119.0	9039.8	8962.7	8818.3
-37.5°	8874.8	8894.1	8876.2	8872.2	8840.9	8794.3	8739.1	8673.2	8599.4	8516.9	8385.2
-42.5°	8059.8	8061.8	8057.2	8024.6	7963.3	7911.4	7848.9	7811.0	7789.0	7741.8	7616.7
-47.5°	5202.2	5213.5	5214.9	5228.8	5200.9	5178.9	5161.0	5138.3	5130.4	5523.6	5231.5
-55°	1052.6	1057.2	1084.5	1130.4	1156.3	1169.7	1137.7	1109.8	1111.1	1230.9	1394.5
-65°	799.7	795.7	793.1	787.1	782.4	774.4	781.8	790.4	785.1	799.7	817.0
-75°	97.8	98.5	99.1	98.5	89.8	98.5	109.8	105.8	111.1	115.1	114.4
-85°	16.6	16.0	22.0	27.3	29.9	35.3	39.9	43.2	44.6	45.2	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):

	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°	25.9	24.6	23.3	22.6	23.3	25.3	28.6	33.9	43.2	47.2	50.6
75°	16.6	16.6	18.0	23.3	24.0	27.3	30.6	35.3	43.9	47.9	51.2
65°	179.0	107.1	77.8	65.9	53.2	45.9	45.9	49.9	52.6	51.2	51.9
55°	1201.6	1081.8	976.7	902.2	707.2	477.0	324.7	111.1	78.5	55.2	52.6
47.5°	3418.5	3212.9	3028.6	2835.0	2656.7	1910.8	1246.8	236.2	114.4	59.9	53.2
42.5°	4576.8	3955.4	4183.6	3968.0	3670.6	3328.0	2562.9	853.6	130.4	67.2	53.2
37.5°	10024.5	9630.0	9278.7	8642.6	7856.2	6670.6	5669.3	1676.6	143.0	75.2	53.9
33°	15045.1	14303.3	13677.9	13252.1	12152.9	9629.3	8123.7	2550.2	170.3	83.8	54.6
29°	16122.3	15536.8	15011.9	14432.3	13574.1	11177.6	9294.7	3698.6	202.9	91.8	54.6
25.5°	15469.6	14960.0	14486.2	14070.4	13514.9	11737.1	9763.7	4556.2	235.5	100.5	54.6
22.5°	14770.3	14258.7	13807.6	13500.2	13250.7	11928.7	9630.0	5161.6	268.1	107.8	54.6
19.5°	14204.8	13739.7	13357.8	13126.3	13037.8	11882.8	9313.3	5690.6	304.7	114.4	55.2
17°	13690.5	13322.6	13033.2	12928.0	12865.5	11729.1	9129.0	6115.7	336.0	118.4	55.2
15°	13424.4	13105.7	12896.8	12842.9	12647.9	11550.1	9019.2	6421.1	354.6	122.4	55.2
13°	13248.1	12990.6	12847.5	12703.8	12385.1	11364.5	8965.3	6705.9	367.9	125.1	55.2
11°	13138.9	12939.3	12773.0	12504.2	12094.4	11227.5	8962.7	6945.4	374.6	127.7	55.9
9°	13171.5	12936.0	12664.6	12286.0	11861.5	11115.7	8990.6	7131.7	373.3	129.7	55.9
7°	13219.5	12949.3	12559.4	12081.7	11653.9	11050.5	9030.5	7282.0	365.9	131.7	55.9
5°	13263.4	12957.3	12506.9	11912.7	11481.6	10981.3	9081.8	7405.1	362.6	133.7	55.9
3°	13266.7	12945.3	12436.4	11745.7	11343.2	10932.0	9138.3	7502.9	359.3	135.1	55.9
1°	13216.8	12869.5	12331.2	11595.4	11240.8	10887.5	9197.5	7557.5	357.3	134.4	55.9
0°	13178.2	12793.6	12257.4	11527.5	11172.9	10857.5	9227.5	7571.5	352.0	133.1	55.9
-1°	13103.7	12733.8	12177.5	11486.3	11125.7	10813.6	9246.8	7559.5	349.3	132.4	55.9
-3°	12947.3	12561.4	12051.8	11381.1	11003.2	10720.5	9284.0	7534.9	351.3	131.1	55.9
-5°	12739.7	12387.1	11920.7	11263.4	10862.8	10602.0	9288.7	7469.0	356.0	130.4	55.9
-7°	12514.9	12186.9	11714.5	11087.1	10679.9	10429.1	9258.7	7367.9	349.3	130.4	55.9
-9°	12236.8	11897.4	11426.4	10860.2	10482.3	10233.4	9193.5	7230.8	346.6	131.1	55.9
-11°	11944.7	11586.1	11139.6	10634.6	10268.7	10030.5	9104.4	7071.8	346.6	130.4	56.6
-13°	11645.3	11273.4	10862.2	10412.4	10081.8	9795.7	8982.6	6878.9	344.0	131.7	55.9
-15°	11343.2	10966.6	10614.7	10206.2	9908.8	9590.7	8836.9	6640.7	342.6	133.7	55.9
-17°	10949.3	10624.7	10329.9	9991.3	9707.2	9403.8	8676.6	6373.9	339.3	135.1	55.9
-19.5°	10365.8	10088.4	9870.8	9653.9	9439.7	9157.6	8479.0	5992.6	330.7	135.7	55.9
-22.5°	10026.5	9742.4	9522.9	9330.6	9162.3	8936.1	8257.4	5487.6	316.0	135.7	55.9
-25.5°	9683.9	9426.4	9194.9	8996.6	8880.2	8734.5	8075.1	4926.8	304.7	133.7	55.9
-29°	9152.3	8959.3	8744.4	8543.5	8451.7	8367.2	7807.7	4196.2	298.1	129.7	55.9
-33°	8618.7	8421.8	8194.9	7959.3	7864.2	7821.6	7159.6	3244.2	297.4	122.4	55.9
-37.5°	8194.9	7986.6	7721.8	7436.4	7199.5	7017.2	6132.4	2412.5	292.1	111.1	55.9
-42.5°	7429.1	7296.7	6964.7	6737.8	6280.1	5571.5	4338.6	1564.9	268.1	93.1	55.2
-47.5°	4966.0	4809.0	4694.6	4548.2	4138.4	3218.9	2209.6	579.5	242.8	73.2	55.2
-55°	1366.6	1278.1	1348.0	1173.6	934.1	686.6	576.8	214.2	189.6	63.2	54.6
-65°	885.6	914.2	671.3	417.8	260.8	196.9	282.1	127.1	97.1	57.9	53.9
-75°	107.8	95.1	75.8	83.8	89.2	81.2	75.2	54.6	53.9	53.9	53.2
-85°	43.9	42.6	41.3	40.6	39.3	38.6	39.3	41.3	46.6	51.2	51.9
-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):

	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)