

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: P571699

Luminaire Tested: **UFLD-L-CA4-390-740-U-66-TS2HW_NFFLD**

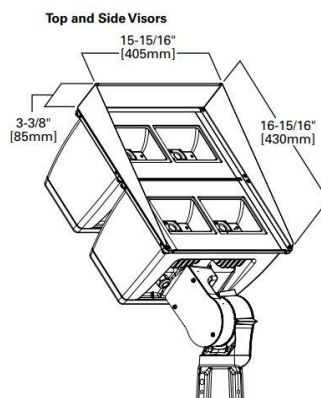
Issue Date: 9/21/2021

Test Information

Test Method: LM-79-08
Report Number: P571699
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-CA4-390-740-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

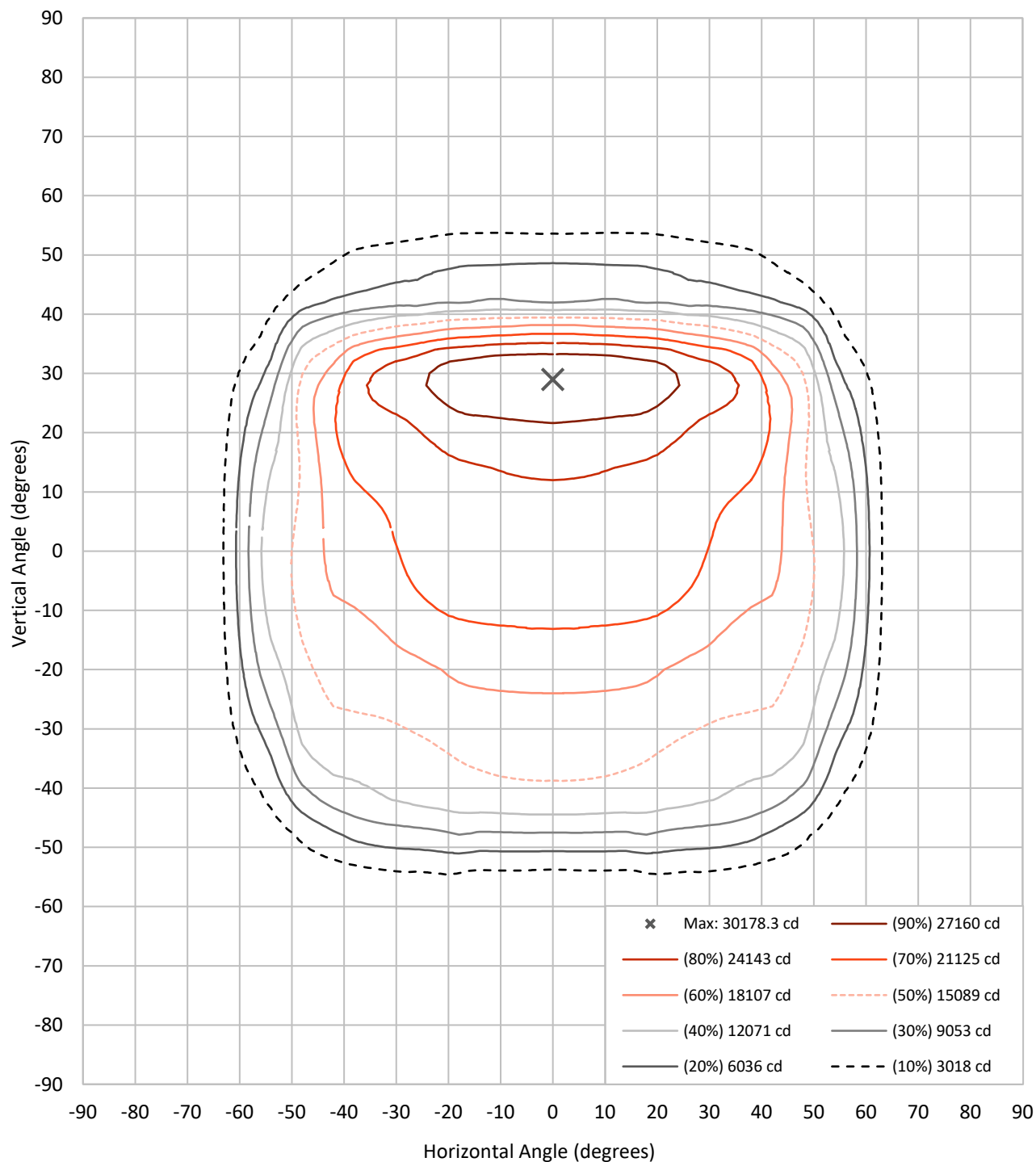
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	52450 lumens	Max Intensity:	30178.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	135.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.33' x L: 1.42' x H: 0')		
Beam Angle (50%):	96.7°H x 78.2°V	Field Angle (10%):	121.2°H x 107.4°V
Beam Lumens:	38078.4 lumens	Field Lumens:	50984.3 lumens
Beam Efficiency:	72.6%	Field Efficiency:	97.2%
Input Watts (W):	387.6		
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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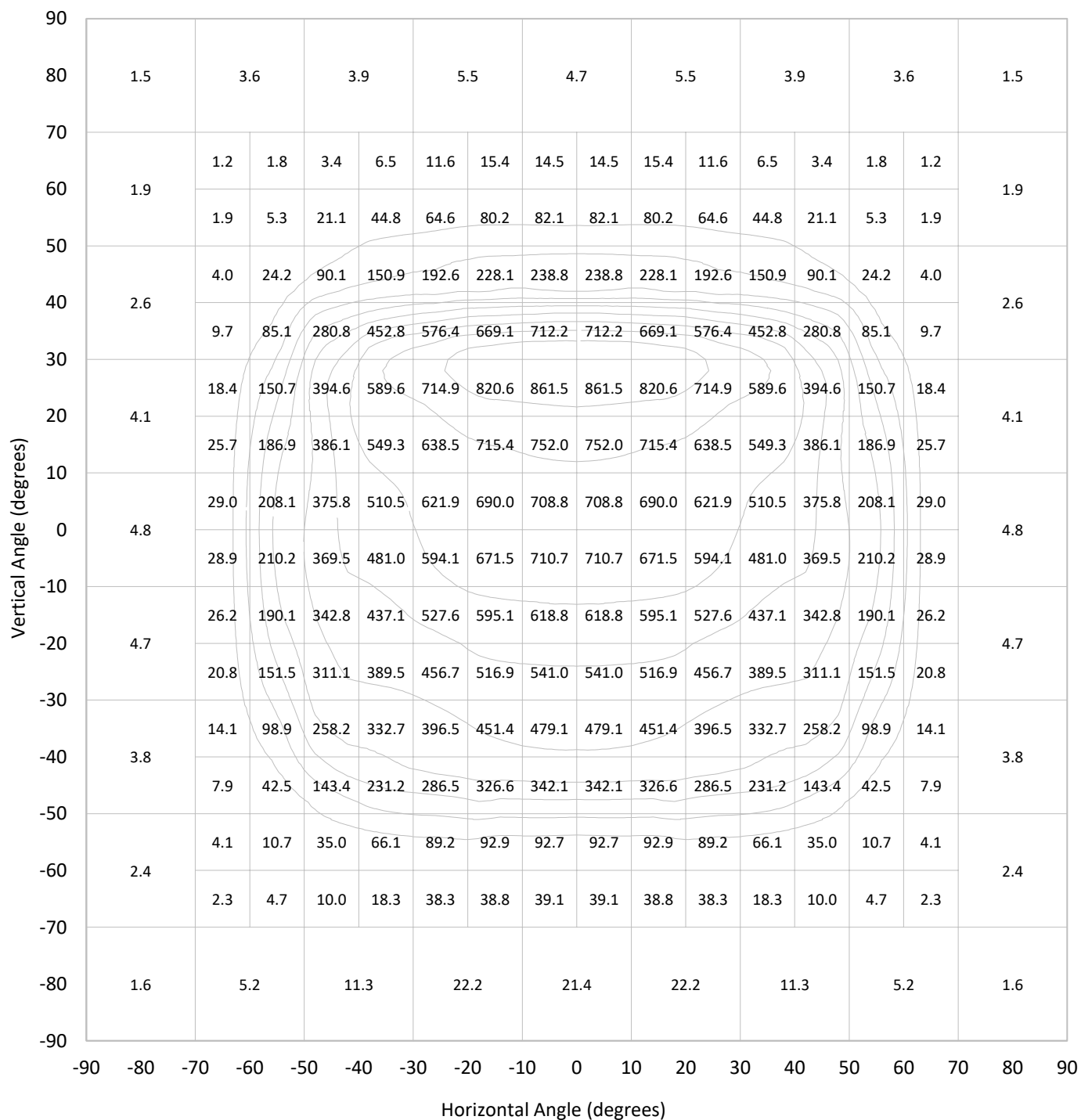
Iso-Candela Plot



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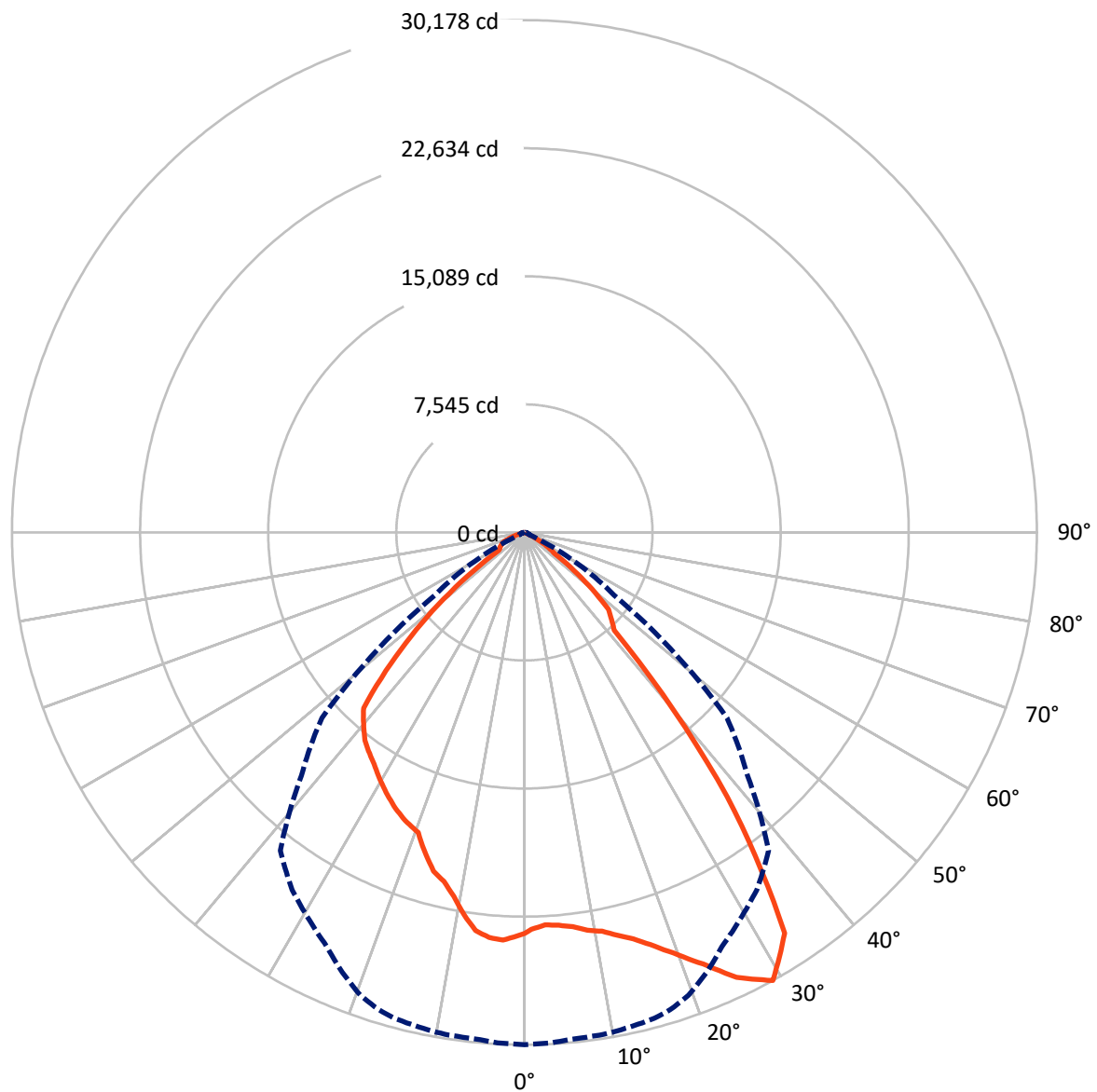
Lumen Table



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Luminous Intensity Polar Plot



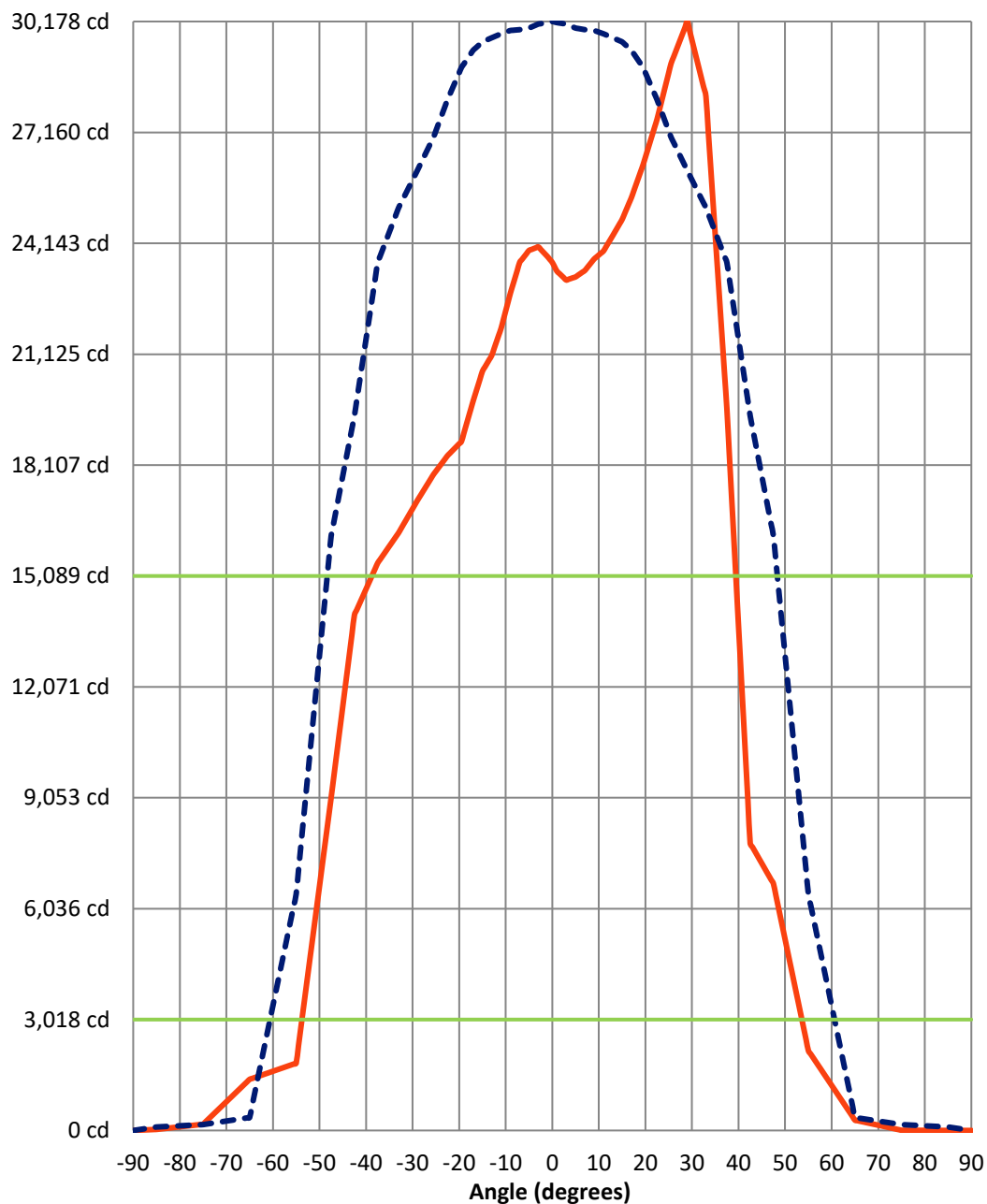
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 29-Deg

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Luminous Intensity Plot



— 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	13.9	31.3	39.4	42.8	46.3	49.8	52.1	52.1	50.9	48.6
75°	5.8	8.1	18.5	24.3	27.8	30.1	32.4	31.3	32.4	30.1	30.1
65°	281.3	281.3	280.1	272.0	255.8	238.5	229.2	253.5	317.2	377.4	391.3
55°	2173.9	2147.3	2142.7	2235.3	2236.5	2304.8	2309.4	2327.9	2273.5	2311.7	2241.1
47.5°	6712.8	6717.5	6677.0	6650.3	6613.3	6536.9	6483.6	6445.4	6439.6	6389.9	6182.7
42.5°	7821.8	7833.4	7941.0	8004.7	8185.3	8401.8	8571.9	8369.3	8189.9	7790.6	7915.6
37.5°	19635.0	19652.3	19631.5	19589.8	19146.5	19030.7	18941.6	18678.8	18554.9	18504.0	18289.9
33°	28140.9	28248.6	28186.1	28100.4	28160.6	28098.1	27966.1	27697.6	27214.8	26969.4	26638.4
29°	30178.3	30148.2	30108.8	30000.0	29956.0	29934.0	29843.7	29736.1	29623.8	29394.6	28928.1
25.5°	29031.1	28933.9	28938.5	28835.5	28756.7	28739.4	28652.6	28528.7	28422.2	28203.4	27716.1
22.5°	27518.1	27492.7	27441.7	27350.3	27300.5	27183.6	27084.0	26976.4	26947.4	26868.7	26491.4
19.5°	26279.5	26249.4	26249.4	26202.0	26133.7	26019.1	25874.4	25766.7	25701.9	25671.8	25398.6
17°	25388.2	25360.4	25351.1	25278.2	25218.0	25112.7	24964.5	24824.4	24719.1	24663.5	24465.6
15°	24790.9	24745.7	24738.8	24706.4	24642.7	24533.9	24388.0	24258.4	24166.9	24055.8	23856.7
13°	24354.4	24302.4	24293.1	24243.3	24178.5	24077.8	23959.7	23852.1	23776.8	23661.1	23483.9
11°	23933.1	23969.0	23938.9	23892.6	23819.6	23734.0	23647.2	23578.9	23517.5	23445.7	23321.9
9°	23716.6	23643.7	23648.3	23606.6	23558.0	23496.7	23436.5	23368.2	23362.4	23355.5	23258.2
7°	23402.9	23379.8	23414.5	23391.3	23323.0	23331.1	23281.4	23294.1	23330.0	23367.0	23378.6
5°	23228.1	23214.2	23227.0	23220.0	23195.7	23205.0	23199.2	23267.5	23376.3	23565.0	23731.7
3°	23142.5	23166.8	23163.3	23165.6	23218.9	23240.8	23297.6	23396.0	23531.4	23691.2	23712.0
1°	23383.2	23411.0	23424.9	23475.8	23566.1	23570.8	23569.6	23627.5	23653.0	24029.2	24006.0
0°	23621.7	23636.7	23642.5	23648.3	23683.0	23700.4	23649.5	23634.4	23593.9	23868.3	23731.7
-1°	23776.8	23811.5	23788.4	23824.3	23857.8	23773.3	23702.7	23618.2	23563.8	23706.2	23430.7
-3°	24046.5	24021.1	23963.2	23957.4	23964.3	23830.1	23648.3	23554.6	23393.7	23312.6	23201.5
-5°	23948.1	23938.9	23870.6	23831.2	23752.5	23536.0	23357.8	23208.4	23037.1	22783.6	22618.1
-7°	23622.9	23507.1	23477.0	23413.3	23178.3	22989.7	22776.7	22605.3	22368.0	22223.3	22105.3
-9°	22783.6	22729.2	22743.1	22659.7	22379.6	22222.2	22076.3	21932.8	21789.2	21682.7	21604.0
-11°	21826.3	21727.9	21803.1	21731.4	21592.4	21525.3	21477.8	21398.0	21344.7	21275.3	21187.3
-13°	21092.4	21046.1	21108.6	21073.8	20999.8	21003.2	20990.5	20954.6	20922.2	20835.4	20680.3
-15°	20660.6	20605.0	20628.2	20639.8	20609.7	20599.2	20588.8	20550.6	20495.1	20387.4	20195.2
-17°	19849.1	19758.8	19791.2	19793.6	19787.8	19756.5	19805.1	19780.8	19770.4	19696.3	19520.4
-19.5°	18751.7	18714.7	18711.2	18717.0	18733.2	18739.0	18764.5	18763.3	18751.7	18661.4	18480.9
-22.5°	18362.8	18357.0	18336.2	18351.2	18341.9	18330.4	18323.4	18291.0	18215.8	18133.6	17919.4
-25.5°	17854.6	17844.2	17875.4	17844.2	17796.7	17771.3	17708.7	17641.6	17569.8	17514.3	17293.2
-29°	17138.1	17132.3	17106.8	17086.0	17014.2	16939.0	16837.1	16768.8	16626.4	16536.1	16272.2
-33°	16265.2	16237.5	16196.9	16166.8	16124.0	16054.6	15988.6	15865.9	15728.1	15593.8	15342.6
-37.5°	15441.0	15474.6	15443.4	15436.4	15382.0	15301.0	15204.9	15090.3	14961.8	14818.3	14589.1
-42.5°	14023.0	14026.5	14018.4	13961.6	13855.1	13764.9	13656.0	13590.1	13551.9	13469.7	13252.0
-47.5°	9051.2	9070.8	9073.2	9097.5	9048.8	9010.6	8979.4	8940.0	8926.1	9610.3	9102.1
-55°	1831.3	1839.4	1886.9	1966.7	2011.9	2035.0	1979.5	1930.9	1933.2	2141.5	2426.3
-65°	1391.4	1384.5	1379.8	1369.4	1361.3	1347.4	1360.2	1375.2	1366.0	1391.4	1421.5
-75°	170.2	171.3	172.5	171.3	156.3	171.3	191.0	184.1	193.3	200.3	199.1
-85°	28.9	27.8	38.2	47.5	52.1	61.4	69.5	75.2	77.6	78.7	78.7
-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):

	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°	45.1	42.8	40.5	39.4	40.5	44.0	49.8	59.0	75.2	82.2	88.0
75°	28.9	28.9	31.3	40.5	41.7	47.5	53.2	61.4	76.4	83.3	89.1
65°	311.4	186.4	135.4	114.6	92.6	79.9	79.9	86.8	91.4	89.1	90.3
55°	2090.6	1882.2	1699.3	1569.7	1230.5	830.0	564.9	193.3	136.6	96.1	91.4
47.5°	5947.7	5590.0	5269.3	4932.5	4622.2	3324.6	2169.3	410.9	199.1	104.2	92.6
42.5°	7963.0	6881.8	7278.9	6903.8	6386.4	5790.2	4459.0	1485.2	226.9	116.9	92.6
37.5°	17441.3	16754.9	16143.7	15037.0	13668.8	11606.0	9863.8	2917.1	248.9	130.8	93.8
33°	26176.5	24885.8	23797.6	23056.8	21144.5	16753.7	14134.1	4437.0	296.3	145.9	94.9
29°	28050.6	27031.9	26118.6	25110.4	23617.1	19447.4	16171.5	6435.0	353.1	159.7	94.9
25.5°	26915.0	26028.3	25204.1	24480.6	23514.0	20421.0	16987.6	7927.1	409.8	174.8	94.9
22.5°	25698.4	24808.2	24023.4	23488.6	23054.5	20754.4	16754.9	8980.6	466.5	187.5	94.9
19.5°	24714.5	23905.3	23240.8	22838.0	22684.1	20674.5	16203.9	9900.8	530.2	199.1	96.1
17°	23819.6	23179.5	22675.9	22493.0	22384.2	20407.1	15883.2	10640.5	584.6	206.1	96.1
15°	23356.6	22802.1	22438.6	22344.9	22005.7	20095.7	15692.2	11171.9	617.0	213.0	96.1
13°	23049.8	22601.9	22353.0	22102.9	21548.5	19772.7	15598.5	11667.3	640.1	217.6	96.1
11°	22860.0	22512.7	22223.3	21755.7	21042.6	19534.3	15593.8	12084.0	651.7	222.3	97.2
9°	22916.7	22506.9	22034.6	21376.0	20637.4	19339.8	15642.5	12408.2	649.4	225.7	97.2
7°	23000.1	22530.1	21851.7	21020.6	20276.3	19226.3	15711.9	12669.8	636.7	229.2	97.2
5°	23076.5	22544.0	21760.3	20726.6	19976.5	19106.0	15801.0	12883.9	630.9	232.7	97.2
3°	23082.3	22523.1	21637.6	20436.0	19735.7	19020.3	15899.4	13054.1	625.1	235.0	97.2
1°	22995.4	22391.2	21454.7	20174.4	19557.4	18942.7	16002.5	13149.0	621.6	233.8	97.2
0°	22928.3	22259.2	21326.2	20056.3	19439.3	18890.6	16054.6	13173.3	612.4	231.5	97.2
-1°	22798.7	22155.0	21187.3	19984.6	19357.1	18814.2	16088.1	13152.5	607.7	230.4	97.2
-3°	22526.6	21855.2	20968.5	19801.7	19144.2	18652.2	16153.0	13109.7	611.2	228.0	97.2
-5°	22165.5	21551.9	20740.5	19596.8	18899.9	18446.1	16161.1	12995.1	619.3	226.9	97.2
-7°	21774.2	21203.5	20381.6	19290.0	18581.6	18145.2	16109.0	12819.1	607.7	226.9	97.2
-9°	21290.3	20699.9	19880.4	18895.3	18237.8	17804.8	15995.5	12580.6	603.1	228.0	97.2
-11°	20782.1	20158.2	19381.5	18502.9	17866.2	17451.8	15840.4	12304.0	603.1	226.9	98.4
-13°	20261.2	19614.1	18898.7	18116.2	17540.9	17043.1	15628.6	11968.3	598.5	229.2	97.2
-15°	19735.7	19080.5	18468.1	17757.4	17239.9	16686.6	15375.1	11553.9	596.2	232.7	97.2
-17°	19050.4	18485.5	17972.7	17383.5	16889.2	16361.3	15096.1	11089.7	590.4	235.0	97.2
-19.5°	18035.2	17552.5	17173.9	16796.6	16423.8	15933.0	14752.3	10426.4	575.3	236.1	97.2
-22.5°	17444.8	16950.5	16568.5	16234.0	15941.1	15547.5	14366.8	9547.8	549.9	236.1	97.2
-25.5°	16848.7	16400.7	15997.8	15652.9	15450.3	15196.8	14049.6	8571.9	530.2	232.7	97.2
-29°	15923.7	15588.1	15214.1	14864.6	14704.8	14557.8	13584.3	7300.9	518.6	225.7	97.2
-33°	14995.4	14652.7	14258.0	13848.2	13682.7	13608.6	12456.8	5644.4	517.4	213.0	97.2
-37.5°	14258.0	13895.7	13434.9	12938.3	12526.2	12209.1	10669.5	4197.4	508.2	193.3	97.2
-42.5°	12925.6	12695.2	12117.6	11722.9	10926.5	9693.6	7548.6	2722.6	466.5	162.1	96.1
-47.5°	8640.2	8367.0	8167.9	7913.3	7200.2	5600.4	3844.3	1008.3	422.5	127.3	96.1
-55°	2377.7	2223.7	2345.3	2042.0	1625.3	1194.6	1003.6	372.7	329.9	110.0	94.9
-65°	1540.7	1590.5	1168.0	727.0	453.8	342.6	490.8	221.1	169.0	100.7	93.8
-75°	187.5	165.5	132.0	145.9	155.1	141.2	130.8	94.9	93.8	93.8	92.6
-85°	76.4	74.1	71.8	70.6	68.3	67.1	68.3	71.8	81.0	89.1	90.3
-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)