

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: P571666

Luminaire Tested: **UFLD-L-CA4-180-722-U-66-TS2HW_NFFLD**

Issue Date: 9/21/2021

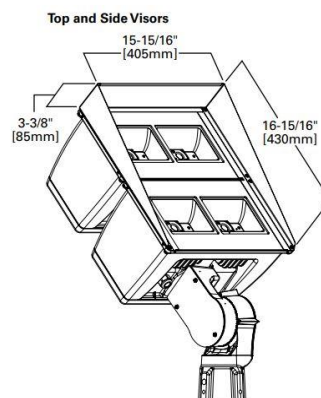
Test Information

Test Method: LM-79-08
Report Number: P571666
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-CA4-180-722-U-66-TS2HW_NFFLD
Description: FLOOD LIGHT LARGE, 6x6 OPTIC WITH TOP AND SIDE VISOR
Light Source: (4) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	21486 lumens	Max Intensity:	12362.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	120.7 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:	15598.7 lumens	Field Lumens:	20885.6 lumens
Beam Efficiency:	72.6%	Field Efficiency:	97.2%

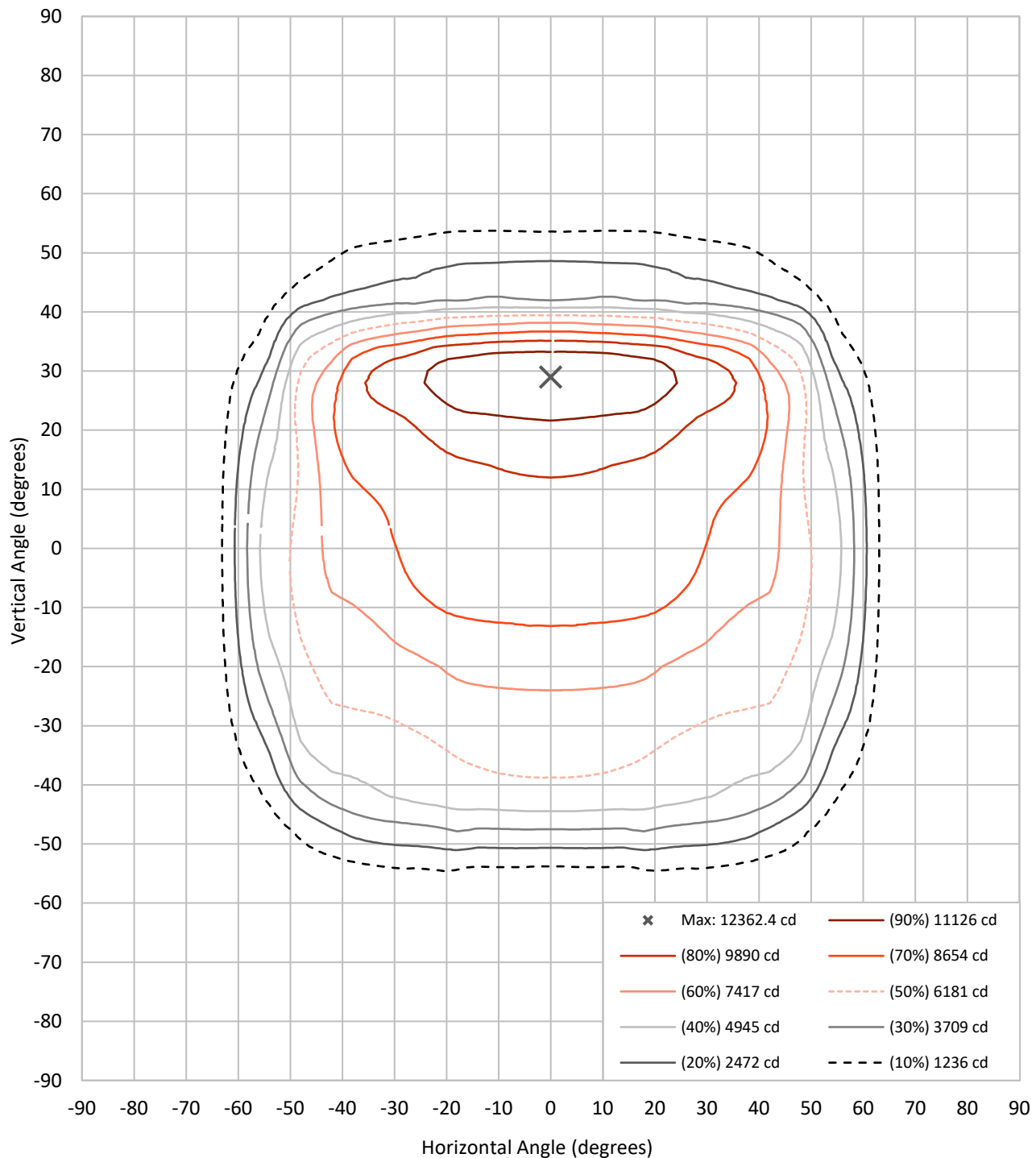
Input Watts (W): 178
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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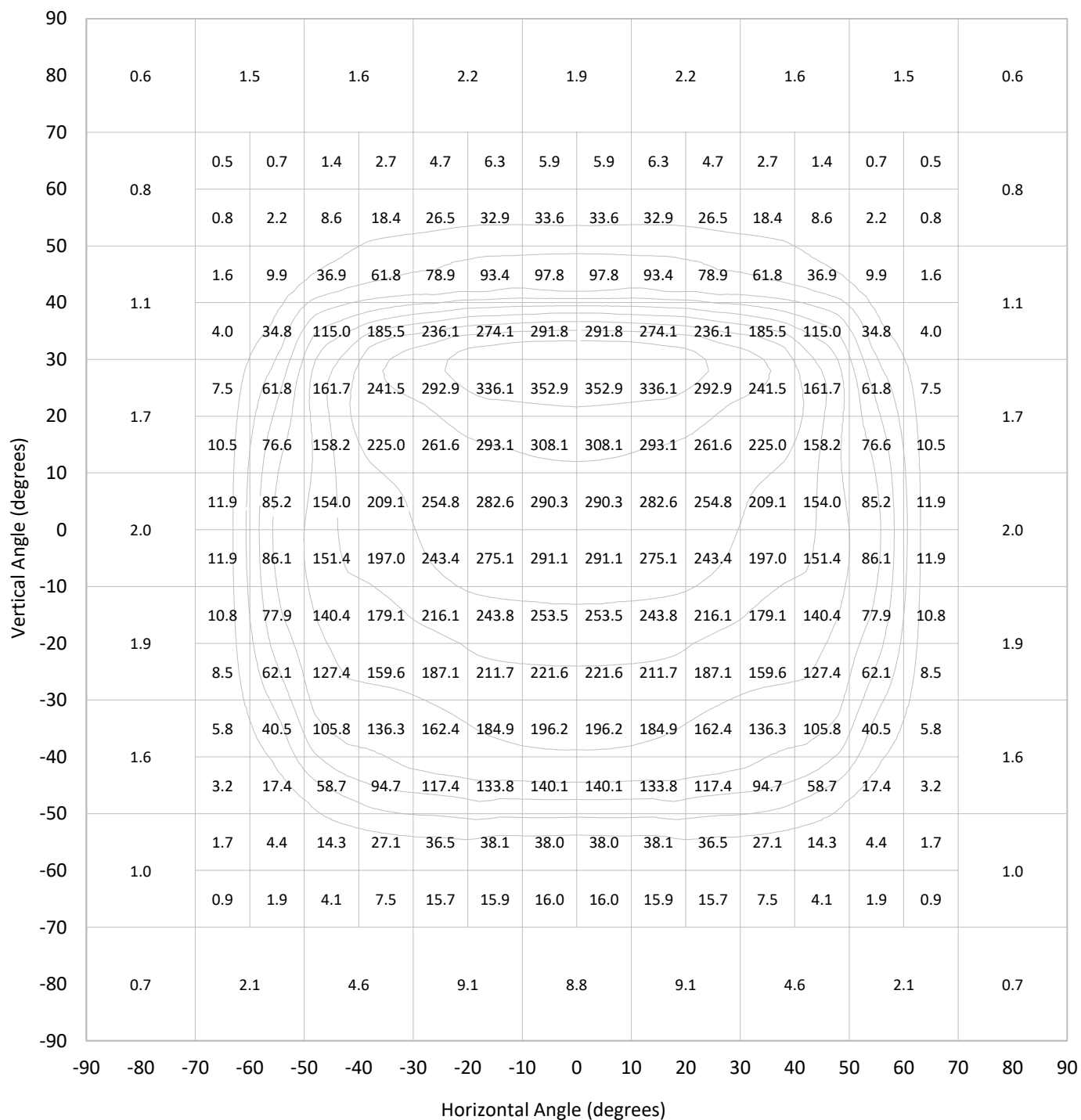
Iso-Candela Plot



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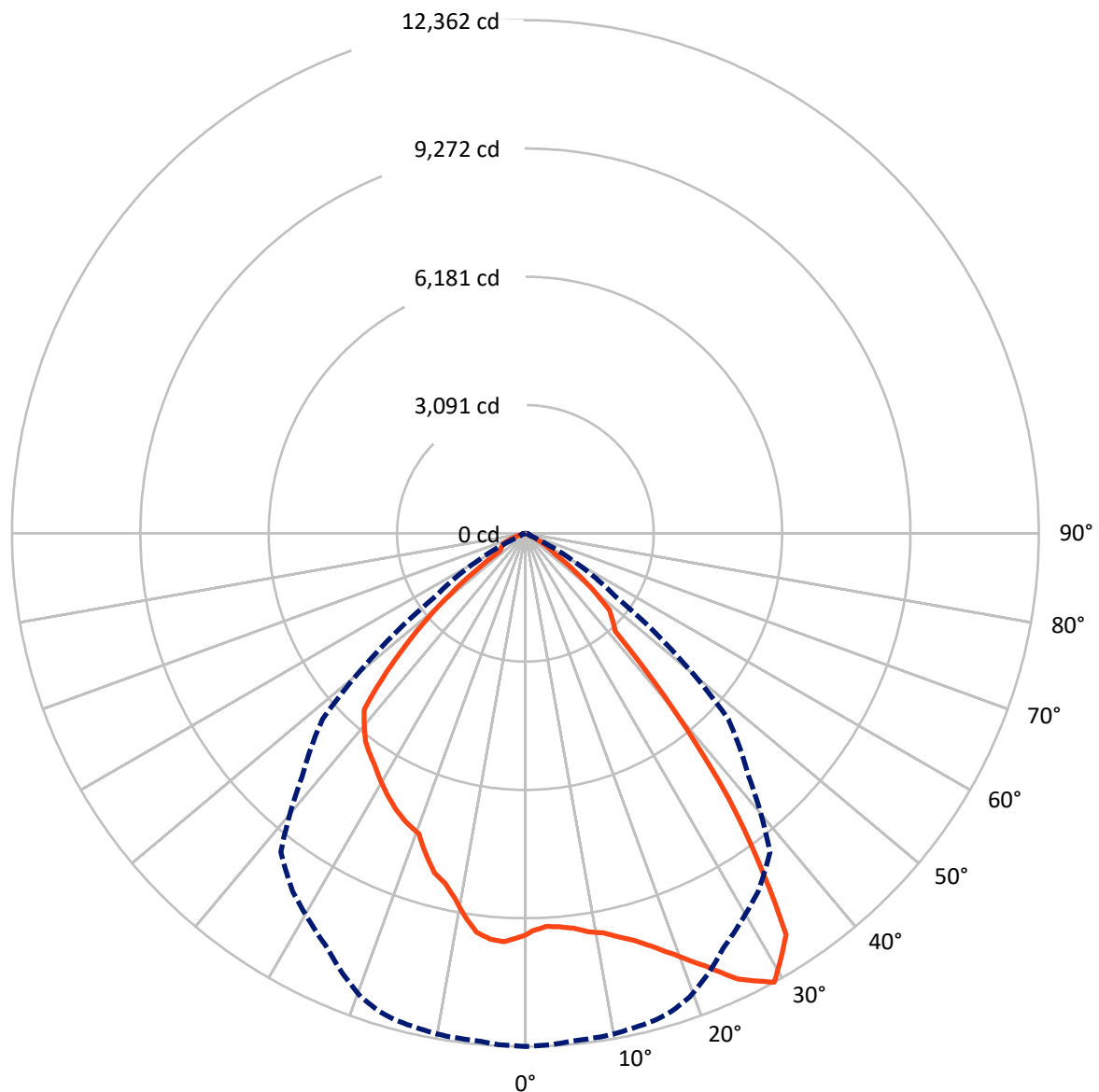
Lumen Table



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Luminous Intensity Polar Plot



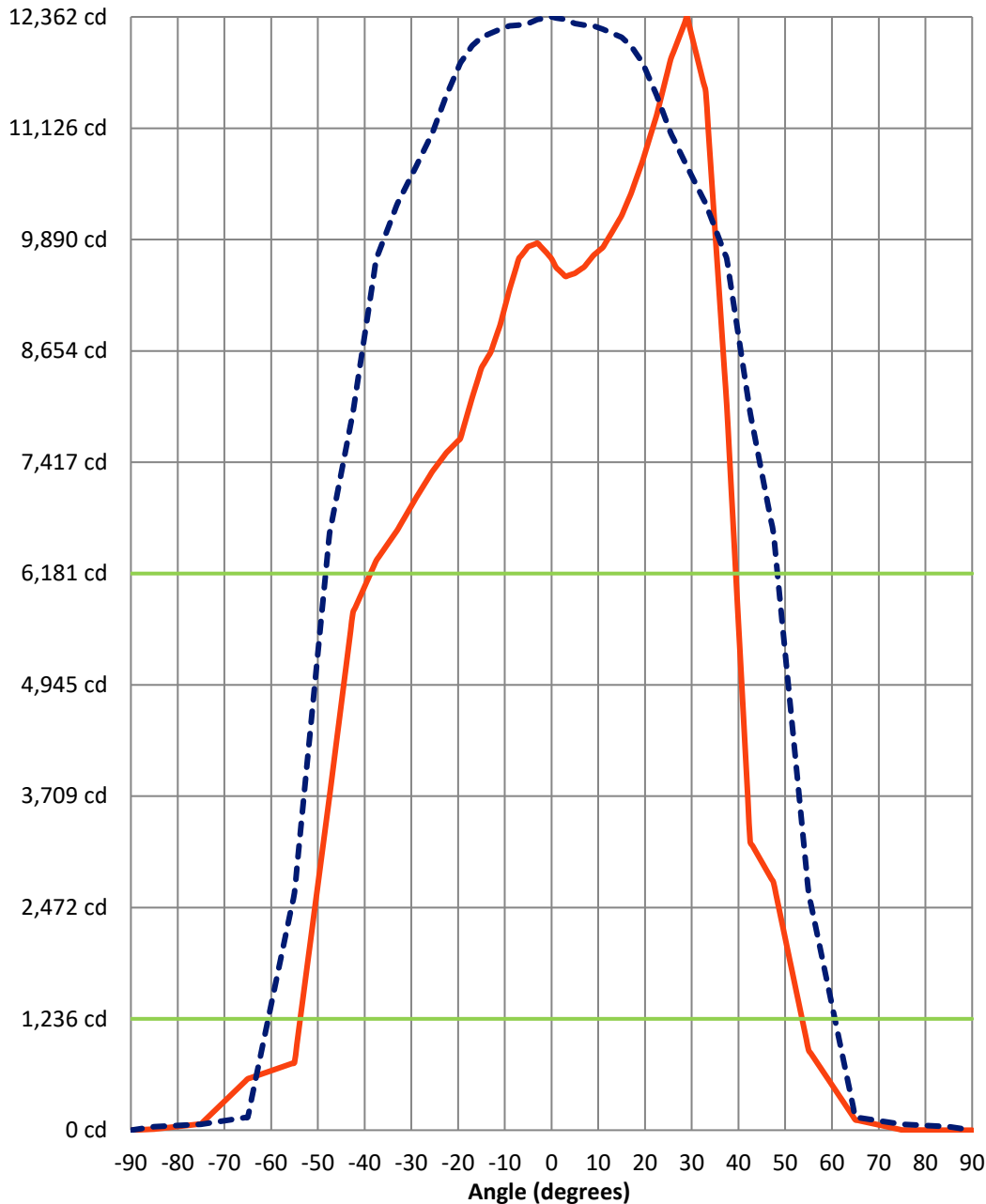
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 29-Deg

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Luminous Intensity Plot



Beam:
H Angle: 96.7°
V Angle: 78.2°
Lumens: 15598.7
Efficiency: 72.6%

Field:
H Angle: 121.2°
V Angle: 107.4°
Lumens: 20885.6
Efficiency: 97.2%

Spill:
Lumens: 600.4
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	5.7	12.8	16.1	17.5	19.0	20.4	21.3	21.3	20.9	19.9
75°	2.4	3.3	7.6	10.0	11.4	12.3	13.3	12.8	13.3	12.3	12.3
65°	115.2	115.2	114.8	111.4	104.8	97.7	93.9	103.9	129.9	154.6	160.3
55°	890.6	879.6	877.7	915.7	916.2	944.1	946.0	953.6	931.3	947.0	918.1
47.5°	2749.9	2751.8	2735.2	2724.3	2709.1	2677.8	2656.0	2640.4	2638.0	2617.6	2532.7
42.5°	3204.2	3208.9	3253.0	3279.1	3353.1	3441.8	3511.5	3428.5	3355.0	3191.4	3242.6
37.5°	8043.4	8050.5	8042.0	8024.9	7843.3	7795.9	7759.4	7651.7	7601.0	7580.1	7492.4
33°	11527.8	11571.9	11546.3	11511.3	11535.9	11510.3	11456.2	11346.2	11148.5	11048.0	10912.3
29°	12362.4	12350.1	12334.0	12289.4	12271.4	12262.4	12225.4	12181.3	12135.3	12041.4	11850.3
25.5°	11892.5	11852.7	11854.6	11812.4	11780.1	11773.0	11737.4	11686.7	11643.1	11553.5	11353.8
22.5°	11272.7	11262.3	11241.4	11204.0	11183.6	11135.7	11094.9	11050.8	11038.9	11006.7	10852.1
19.5°	10765.3	10753.0	10753.0	10733.6	10705.6	10658.6	10599.4	10555.3	10528.7	10516.4	10404.5
17°	10400.2	10388.8	10385.0	10355.1	10330.5	10287.3	10226.6	10169.3	10126.1	10103.3	10022.3
15°	10155.5	10137.0	10134.2	10120.9	10094.8	10050.2	9990.5	9937.4	9899.9	9854.4	9772.8
13°	9976.7	9955.4	9951.6	9931.2	9904.7	9863.4	9815.0	9770.9	9740.1	9692.7	9620.1
11°	9804.1	9818.8	9806.5	9787.5	9757.7	9722.6	9687.0	9659.0	9633.9	9604.5	9553.7
9°	9715.4	9685.6	9687.5	9670.4	9650.5	9625.3	9600.7	9572.7	9570.3	9567.5	9527.7
7°	9586.9	9577.5	9591.7	9582.2	9554.2	9557.5	9537.1	9542.4	9557.1	9572.2	9577.0
5°	9515.3	9509.6	9514.9	9512.0	9502.1	9505.9	9503.5	9531.5	9576.0	9653.3	9721.6
3°	9480.2	9490.2	9488.8	9489.7	9511.5	9520.6	9543.8	9584.1	9639.6	9705.0	9713.6
1°	9578.9	9590.3	9595.9	9616.8	9653.8	9655.7	9655.2	9678.9	9689.4	9843.5	9834.0
0°	9676.6	9682.7	9685.1	9687.5	9701.7	9708.8	9687.9	9681.8	9665.2	9777.6	9721.6
-1°	9740.1	9754.3	9744.8	9759.5	9773.3	9738.7	9709.8	9675.1	9652.9	9711.2	9598.3
-3°	9850.6	9840.2	9816.5	9814.1	9816.9	9761.9	9687.5	9649.1	9583.1	9550.0	9504.4
-5°	9810.3	9806.5	9778.5	9762.4	9730.1	9641.5	9568.4	9507.3	9437.1	9333.2	9265.4
-7°	9677.0	9629.6	9617.3	9591.2	9494.9	9417.6	9330.4	9260.2	9163.0	9103.7	9055.4
-9°	9333.2	9311.0	9316.6	9282.5	9167.7	9103.3	9043.5	8984.7	8925.9	8882.3	8850.0
-11°	8941.1	8900.8	8931.6	8902.2	8845.3	8817.8	8798.3	8765.6	8743.8	8715.4	8679.3
-13°	8640.4	8621.5	8647.1	8632.8	8602.5	8603.9	8598.7	8584.0	8570.7	8535.2	8471.6
-15°	8463.6	8440.8	8450.3	8455.0	8442.7	8438.4	8434.2	8418.5	8395.7	8351.6	8272.9
-17°	8131.1	8094.2	8107.4	8108.4	8106.0	8093.2	8113.1	8103.2	8098.9	8068.5	7996.5
-19.5°	7681.6	7666.4	7665.0	7667.4	7674.0	7676.4	7686.8	7686.3	7681.6	7644.6	7570.6
-22.5°	7522.3	7519.9	7511.4	7517.5	7513.7	7509.0	7506.1	7492.9	7462.0	7428.4	7340.6
-25.5°	7314.1	7309.8	7322.6	7309.8	7290.4	7279.9	7254.3	7226.8	7197.4	7174.7	7084.1
-29°	7020.6	7018.2	7007.8	6999.2	6969.8	6939.0	6897.3	6869.3	6811.0	6774.0	6665.9
-33°	6663.0	6651.6	6635.0	6622.7	6605.2	6576.7	6549.7	6499.4	6443.0	6388.0	6285.1
-37.5°	6325.4	6339.1	6326.3	6323.5	6301.2	6268.0	6228.6	6181.7	6129.1	6070.3	5976.4
-42.5°	5744.5	5745.9	5742.6	5719.3	5675.7	5638.7	5594.2	5567.1	5551.5	5517.8	5428.7
-47.5°	3707.8	3715.8	3716.8	3726.8	3706.8	3691.2	3678.4	3662.3	3656.6	3936.8	3728.6
-55°	750.2	753.5	772.9	805.7	824.2	833.6	810.9	791.0	791.9	877.3	993.9
-65°	570.0	567.1	565.2	561.0	557.7	552.0	557.2	563.4	559.6	570.0	582.3
-75°	69.7	70.2	70.7	70.2	64.0	70.2	78.2	75.4	79.2	82.0	81.6
-85°	11.9	11.4	15.6	19.4	21.3	25.1	28.5	30.8	31.8	32.2	32.2
-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°	18.5	17.5	16.6	16.1	16.6	18.0	20.4	24.2	30.8	33.7	36.0
75°	11.9	11.9	12.8	16.6	17.1	19.4	21.8	25.1	31.3	34.1	36.5
65°	127.6	76.3	55.5	46.9	37.9	32.7	32.7	35.6	37.5	36.5	37.0
55°	856.4	771.1	696.1	643.0	504.1	340.0	231.4	79.2	56.0	39.4	37.5
47.5°	2436.4	2289.9	2158.6	2020.6	1893.5	1361.9	888.7	168.3	81.6	42.7	37.9
42.5°	3262.0	2819.1	2981.8	2828.1	2616.2	2372.0	1826.6	608.4	92.9	47.9	37.9
37.5°	7144.8	6863.6	6613.2	6159.9	5599.4	4754.3	4040.7	1195.0	102.0	53.6	38.4
33°	10723.1	10194.4	9748.6	9445.2	8661.8	6863.1	5790.0	1817.6	121.4	59.7	38.9
29°	11490.9	11073.6	10699.4	10286.4	9674.7	7966.6	6624.6	2636.1	144.6	65.4	38.9
25.5°	11025.7	10662.4	10324.8	10028.4	9632.5	8365.4	6958.9	3247.3	167.9	71.6	38.9
22.5°	10527.3	10162.6	9841.1	9622.0	9444.2	8502.0	6863.6	3678.9	191.1	76.8	38.9
19.5°	10124.2	9792.7	9520.6	9355.5	9292.5	8469.2	6637.9	4055.8	217.2	81.6	39.4
17°	9757.7	9495.4	9289.1	9214.2	9169.6	8359.7	6506.5	4358.9	239.5	84.4	39.4
15°	9568.0	9340.8	9191.9	9153.5	9014.6	8232.1	6428.3	4576.5	252.7	87.3	39.4
13°	9442.3	9258.8	9156.8	9054.4	8827.3	8099.8	6389.9	4779.5	262.2	89.1	39.4
11°	9364.5	9222.3	9103.7	8912.1	8620.0	8002.2	6388.0	4950.2	267.0	91.0	39.8
9°	9387.8	9219.9	9026.4	8756.6	8454.1	7922.5	6407.9	5083.0	266.0	92.5	39.8
7°	9421.9	9229.4	8951.5	8611.0	8306.1	7876.0	6436.3	5190.1	260.8	93.9	39.8
5°	9453.2	9235.1	8914.0	8490.6	8183.3	7826.7	6472.9	5277.9	258.4	95.3	39.8
3°	9455.6	9226.5	8863.8	8371.6	8084.7	7791.6	6513.2	5347.6	256.1	96.3	39.8
1°	9420.0	9172.5	8788.9	8264.4	8011.6	7759.8	6555.4	5386.5	254.6	95.8	39.8
0°	9392.5	9118.4	8736.2	8216.0	7963.3	7738.5	6576.7	5396.4	250.9	94.8	39.8
-1°	9339.4	9075.7	8679.3	8186.6	7929.6	7707.2	6590.5	5387.9	249.0	94.4	39.8
-3°	9228.0	8952.9	8589.7	8111.7	7842.4	7640.8	6617.0	5370.3	250.4	93.4	39.8
-5°	9080.0	8828.7	8496.3	8027.8	7742.3	7556.4	6620.3	5323.4	253.7	92.9	39.8
-7°	8919.7	8686.0	8349.3	7902.1	7611.9	7433.1	6599.0	5251.3	249.0	92.9	39.8
-9°	8721.5	8479.7	8143.9	7740.4	7471.1	7293.7	6552.5	5153.6	247.1	93.4	39.8
-11°	8513.3	8257.8	7939.6	7579.6	7318.8	7149.1	6489.0	5040.3	247.1	92.9	40.3
-13°	8300.0	8034.9	7741.8	7421.3	7185.6	6981.7	6402.2	4902.8	245.2	93.9	39.8
-15°	8084.7	7816.3	7565.4	7274.3	7062.3	6835.6	6298.3	4733.0	244.2	95.3	39.8
-17°	7803.9	7572.5	7362.5	7121.1	6918.6	6702.4	6184.1	4542.9	241.8	96.3	39.8
-19.5°	7388.1	7190.3	7035.3	6880.7	6728.0	6526.9	6043.2	4271.1	235.7	96.7	39.8
-22.5°	7146.2	6943.7	6787.3	6650.2	6530.2	6369.0	5885.3	3911.2	225.2	96.7	39.8
-25.5°	6902.0	6718.5	6553.5	6412.2	6329.2	6225.3	5755.4	3511.5	217.2	95.3	39.8
-29°	6523.1	6385.6	6232.4	6089.2	6023.8	5963.6	5564.8	2990.8	212.4	92.5	39.8
-33°	6142.8	6002.4	5840.7	5672.9	5605.1	5574.7	5102.9	2312.2	212.0	87.3	39.8
-37.5°	5840.7	5692.3	5503.6	5300.2	5131.3	5001.4	4370.7	1719.5	208.2	79.2	39.8
-42.5°	5294.9	5200.6	4963.9	4802.2	4476.0	3971.0	3092.3	1115.3	191.1	66.4	39.4
-47.5°	3539.4	3427.5	3346.0	3241.6	2949.5	2294.2	1574.8	413.0	173.1	52.2	39.4
-55°	974.0	910.9	960.7	836.5	665.8	489.4	411.1	152.7	135.1	45.0	38.9
-65°	631.2	651.6	478.5	297.8	185.9	140.4	201.1	90.6	69.2	41.3	38.4
-75°	76.8	67.8	54.1	59.7	63.5	57.9	53.6	38.9	38.4	38.4	37.9
-85°	31.3	30.3	29.4	28.9	28.0	27.5	28.0	29.4	33.2	36.5	37.0
-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)