

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: P571690

Luminaire Tested: **UFLD-L-CA4-370-722-U-66-TS2HW_NFFLD**

Issue Date: 9/21/2021

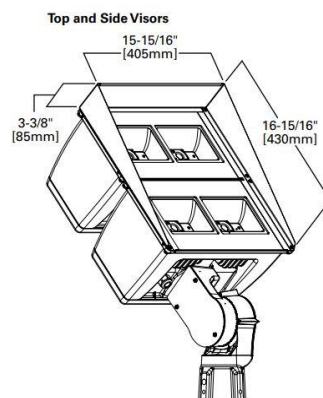
Test Information

Test Method: LM-79-08
Report Number: P571690
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-CA4-370-722-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:	38394 lumens	Max Intensity:	22090.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	104.9 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:	27873.9 lumens	Field Lumens:	37321.1 lumens
Beam Efficiency:	72.6%	Field Efficiency:	97.2%

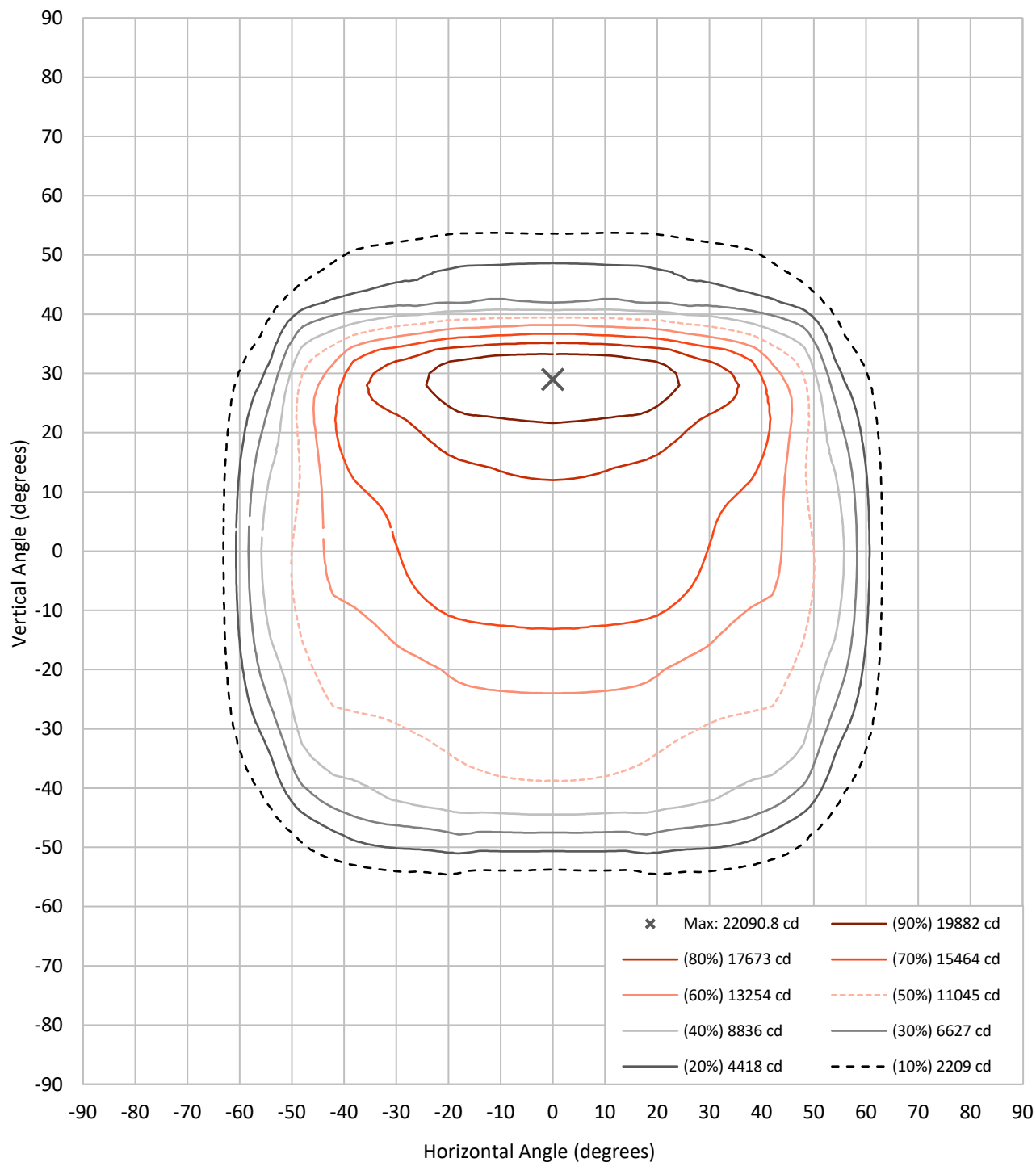
Input Watts (W): 366
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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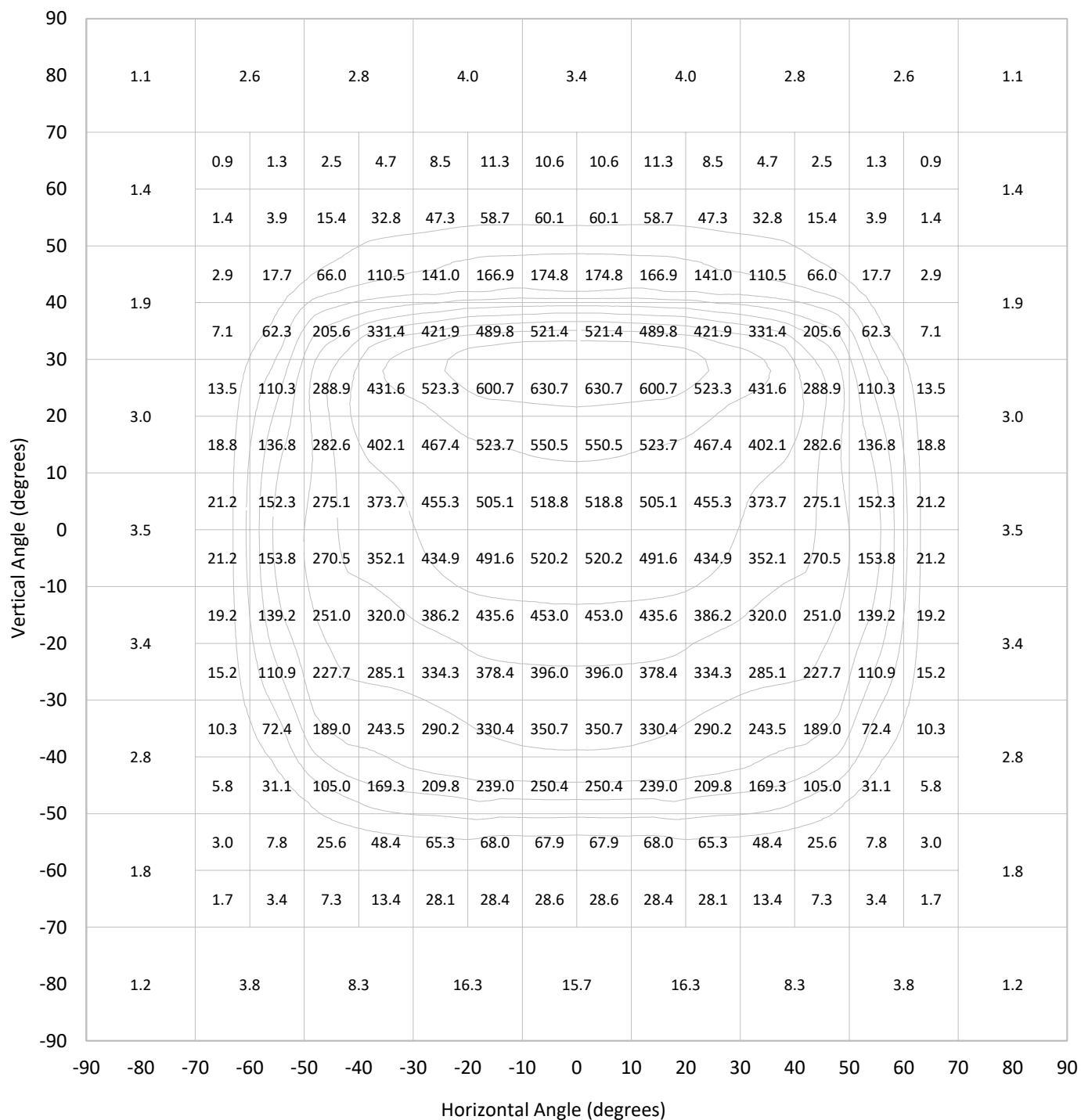
Iso-Candela Plot



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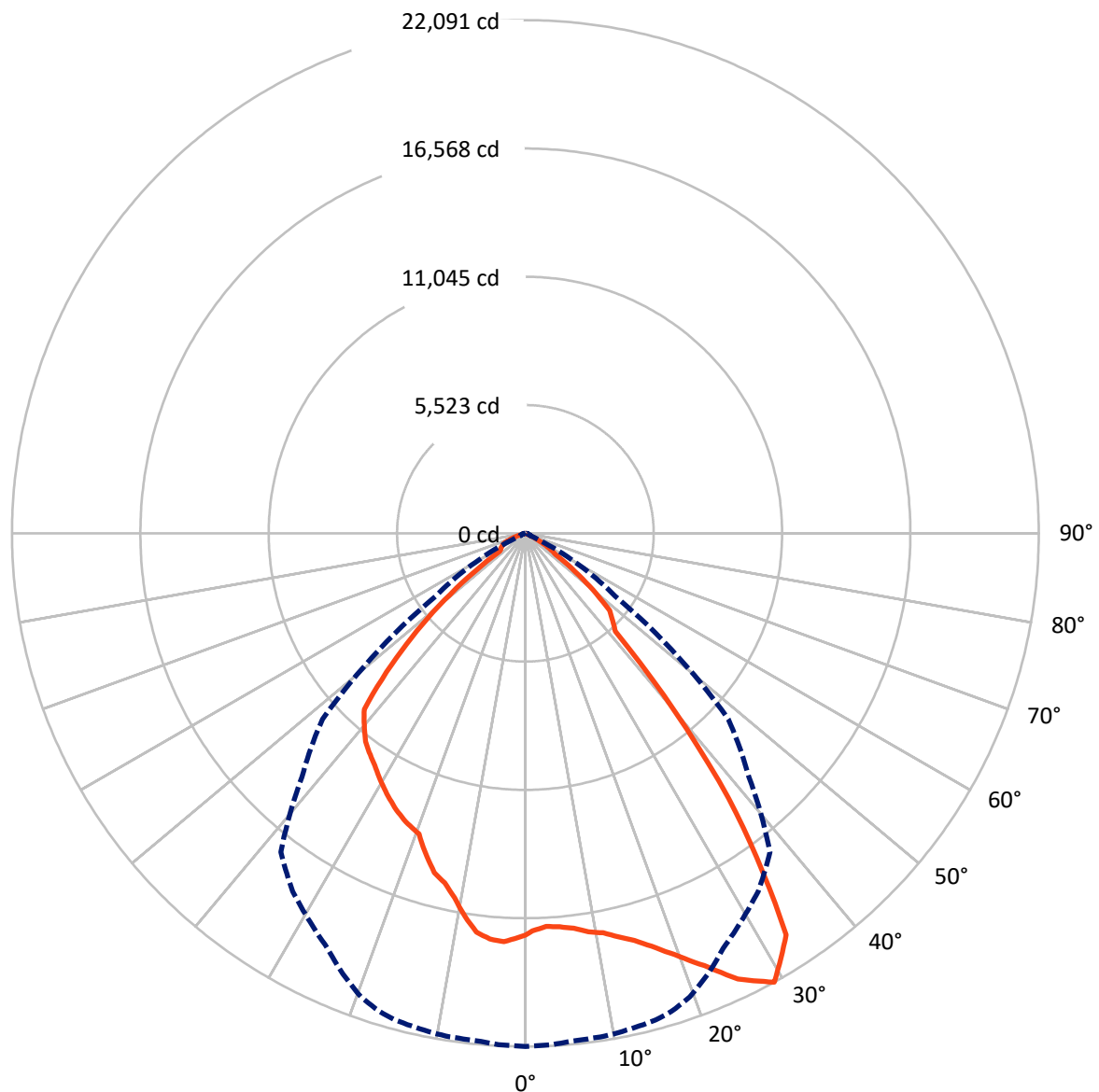
Lumen Table



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Luminous Intensity Polar Plot



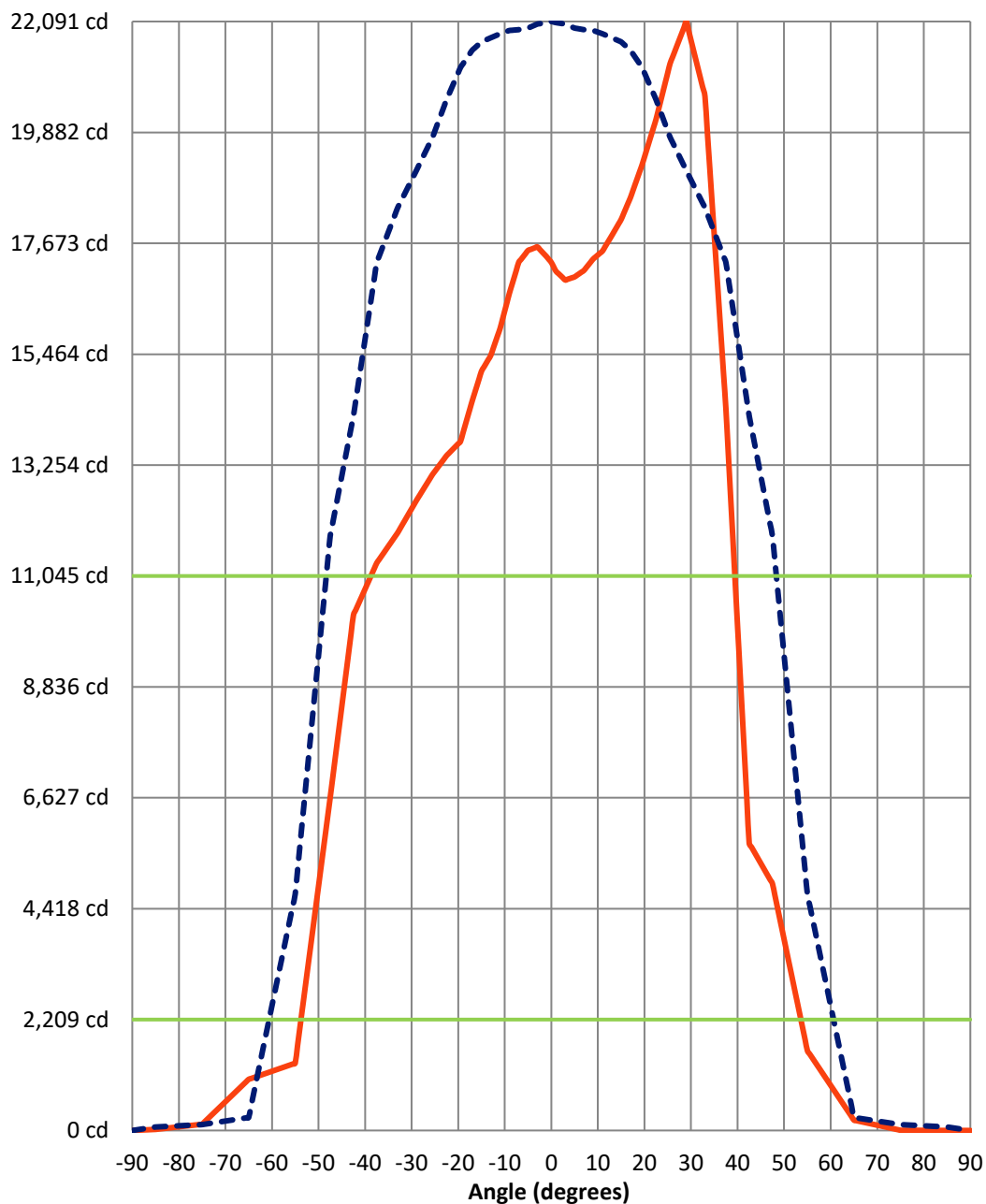
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 29-Deg

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Luminous Intensity Plot



Beam:

H Angle: 96.7°

V Angle: 78.2°

Lumens: 27873.9

Efficiency: 72.6%

Field:

H Angle: 121.2°

V Angle: 107.4°

Lumens: 37321.1

Efficiency: 97.2%

Spill:

Lumens: 1072.9

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	10.2	22.9	28.8	31.4	33.9	36.4	38.1	38.1	37.3	35.6
75°	4.2	5.9	13.6	17.8	20.3	22.0	23.7	22.9	23.7	22.0	22.0
65°	205.9	205.9	205.1	199.1	187.3	174.6	167.8	185.6	232.2	276.2	286.4
55°	1591.4	1571.9	1568.5	1636.3	1637.1	1687.1	1690.5	1704.1	1664.2	1692.2	1640.5
47.5°	4913.9	4917.3	4887.6	4868.1	4841.0	4785.1	4746.1	4718.1	4713.9	4677.5	4525.8
42.5°	5725.7	5734.1	5812.9	5859.5	5991.7	6150.2	6274.7	6126.5	5995.1	5702.8	5794.3
37.5°	14373.0	14385.7	14370.5	14340.0	14015.4	13930.7	13865.5	13673.1	13582.4	13545.1	13388.4
33°	20599.5	20678.3	20632.5	20569.8	20613.9	20568.1	20471.5	20274.9	19921.6	19741.9	19499.6
29°	22090.8	22068.8	22040.0	21960.3	21928.1	21912.0	21845.9	21767.1	21684.9	21517.2	21175.7
25.5°	21251.1	21179.9	21183.3	21107.9	21050.3	21037.6	20974.0	20883.3	20805.4	20645.2	20288.5
22.5°	20143.6	20124.9	20087.7	20020.7	19984.3	19898.7	19825.8	19747.0	19725.8	19668.2	19392.0
19.5°	19236.9	19214.9	19214.9	19180.1	19130.1	19046.2	18940.3	18861.5	18814.1	18792.0	18592.1
17°	18584.4	18564.1	18557.3	18503.9	18459.9	18382.8	18274.3	18171.8	18094.7	18054.0	17909.1
15°	18147.2	18114.1	18109.1	18085.3	18038.7	17959.1	17852.3	17757.4	17690.5	17609.1	17463.4
13°	17827.7	17789.6	17782.8	17746.4	17698.9	17625.2	17538.8	17460.0	17404.9	17320.2	17190.5
11°	17519.3	17545.6	17523.5	17489.6	17436.3	17373.5	17310.0	17260.0	17215.1	17162.6	17071.9
9°	17360.8	17307.5	17310.8	17280.3	17244.7	17199.8	17155.8	17105.8	17101.5	17096.5	17025.3
7°	17131.2	17114.3	17139.7	17122.7	17072.7	17078.7	17042.2	17051.5	17077.8	17104.9	17113.4
5°	17003.2	16993.1	17002.4	16997.3	16979.5	16986.3	16982.1	17032.1	17111.7	17249.8	17371.9
3°	16940.5	16958.3	16955.8	16957.5	16996.5	17012.6	17054.1	17126.1	17225.3	17342.2	17357.4
1°	17116.8	17137.1	17147.3	17184.6	17250.7	17254.1	17253.2	17295.6	17314.2	17589.6	17572.7
0°	17291.4	17302.4	17306.6	17310.8	17336.3	17349.0	17311.7	17300.7	17271.0	17471.8	17371.9
-1°	17404.9	17430.3	17413.4	17439.6	17464.2	17402.4	17350.7	17288.8	17249.0	17353.2	17151.5
-3°	17602.3	17583.7	17541.3	17537.1	17542.2	17443.9	17310.8	17242.2	17124.4	17065.1	16983.8
-5°	17530.3	17523.5	17473.5	17444.7	17387.1	17228.6	17098.2	16988.8	16863.4	16677.9	16556.7
-7°	17292.2	17207.5	17185.4	17138.8	16966.8	16828.7	16672.8	16547.4	16373.7	16267.7	16181.3
-9°	16677.9	16638.0	16648.2	16587.2	16382.1	16266.9	16160.1	16055.0	15950.0	15872.0	15814.4
-11°	15977.1	15905.1	15960.1	15907.6	15805.9	15756.8	15722.0	15663.6	15624.6	15573.7	15509.3
-13°	15439.9	15406.0	15451.7	15426.3	15372.1	15374.6	15365.3	15339.0	15315.3	15251.7	15138.2
-15°	15123.8	15083.1	15100.1	15108.5	15086.5	15078.9	15071.3	15043.3	15002.6	14923.8	14783.1
-17°	14529.8	14463.7	14487.4	14489.1	14484.9	14462.0	14497.6	14479.8	14472.2	14417.9	14289.1
-19.5°	13726.5	13699.4	13696.8	13701.1	13712.9	13717.2	13735.8	13735.0	13726.5	13660.4	13528.2
-22.5°	13441.8	13437.5	13422.3	13433.3	13426.5	13418.0	13413.0	13389.2	13334.2	13274.0	13117.2
-25.5°	13069.8	13062.1	13085.0	13062.1	13027.4	13008.8	12963.0	12913.9	12861.3	12820.6	12658.8
-29°	12545.3	12541.0	12522.4	12507.1	12454.6	12399.5	12324.9	12274.9	12170.7	12104.6	11911.4
-33°	11906.3	11886.0	11856.3	11834.3	11803.0	11752.1	11703.8	11614.0	11513.2	11414.9	11231.0
-37.5°	11303.0	11327.6	11304.7	11299.6	11259.8	11200.5	11130.2	11046.3	10952.2	10847.1	10679.4
-42.5°	10265.0	10267.5	10261.6	10220.1	10142.1	10076.0	9996.4	9948.1	9920.1	9860.0	9700.6
-47.5°	6625.6	6640.0	6641.7	6659.4	6623.9	6595.9	6573.0	6544.2	6534.0	7034.8	6662.8
-55°	1340.5	1346.5	1381.2	1439.7	1472.7	1489.7	1449.0	1413.4	1415.1	1567.6	1776.1
-65°	1018.5	1013.4	1010.1	1002.4	996.5	986.3	995.7	1006.7	999.9	1018.5	1040.6
-75°	124.6	125.4	126.3	125.4	114.4	125.4	139.8	134.7	141.5	146.6	145.7
-85°	21.2	20.3	28.0	34.7	38.1	44.9	50.8	55.1	56.8	57.6	57.6
-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°	33.0	31.4	29.7	28.8	29.7	32.2	36.4	43.2	55.1	60.2	64.4
75°	21.2	21.2	22.9	29.7	30.5	34.7	39.0	44.9	55.9	61.0	65.2
65°	227.9	136.4	99.1	83.9	67.8	58.5	58.5	63.6	66.9	65.2	66.1
55°	1530.3	1377.8	1243.9	1149.0	900.8	607.6	413.5	141.5	100.0	70.3	66.9
47.5°	4353.8	4091.9	3857.2	3610.6	3383.5	2433.6	1588.0	300.8	145.7	76.3	67.8
42.5°	5829.0	5037.6	5328.2	5053.7	4674.9	4238.5	3264.1	1087.2	166.1	85.6	67.8
37.5°	12767.3	12264.8	11817.4	11007.3	10005.7	8495.7	7220.4	2135.4	182.2	95.8	68.6
33°	19161.5	18216.7	17420.2	16877.8	15478.0	12263.9	10346.3	3248.0	216.9	106.8	69.5
29°	20533.4	19787.7	19119.1	18381.1	17288.0	14235.7	11837.7	4710.5	258.4	116.9	69.5
25.5°	19702.1	19053.0	18449.7	17920.1	17212.5	14948.4	12435.1	5802.8	300.0	128.0	69.5
22.5°	18811.5	18159.9	17585.4	17193.9	16876.1	15192.4	12264.8	6573.9	341.5	137.3	69.5
19.5°	18091.3	17499.0	17012.6	16717.7	16605.0	15134.0	11861.4	7247.5	388.1	145.7	70.3
17°	17436.3	16967.7	16599.1	16465.2	16385.5	14938.2	11626.7	7789.0	427.9	150.8	70.3
15°	17097.3	16691.4	16425.3	16356.7	16108.4	14710.3	11486.9	8177.9	451.6	155.9	70.3
13°	16872.8	16544.8	16362.6	16179.6	15773.7	14473.9	11418.3	8540.6	468.6	159.3	70.3
11°	16733.8	16479.6	16267.7	15925.4	15403.4	14299.3	11414.9	8845.7	477.1	162.7	71.2
9°	16775.3	16475.3	16129.6	15647.5	15106.8	14156.9	11450.5	9082.9	475.4	165.2	71.2
7°	16836.3	16492.3	15995.7	15387.3	14842.5	14073.9	11501.3	9274.4	466.1	167.8	71.2
5°	16892.2	16502.5	15928.8	15172.1	14623.0	13985.8	11566.5	9431.2	461.8	170.3	71.2
3°	16896.5	16487.2	15839.0	14959.4	14446.7	13923.1	11638.6	9555.7	457.6	172.0	71.2
1°	16832.9	16390.6	15705.1	14767.9	14316.2	13866.3	11714.0	9625.2	455.0	171.2	71.2
0°	16783.8	16294.0	15611.0	14681.5	14229.8	13828.2	11752.1	9643.0	448.3	169.5	71.2
-1°	16688.9	16217.7	15509.3	14628.9	14169.7	13772.2	11776.7	9627.8	444.9	168.6	71.2
-3°	16489.7	15998.3	15349.2	14495.0	14013.7	13653.6	11824.1	9596.4	447.4	166.9	71.2
-5°	16225.4	15776.3	15182.3	14345.1	13834.9	13502.8	11830.1	9512.5	453.3	166.1	71.2
-7°	15939.0	15521.2	14919.6	14120.5	13601.9	13282.5	11791.9	9383.7	444.9	166.1	71.2
-9°	15584.8	15152.6	14552.7	13831.6	13350.3	13033.3	11708.9	9209.2	441.5	166.9	71.2
-11°	15212.8	14756.0	14187.4	13544.3	13078.2	12774.9	11595.4	9006.7	441.5	166.1	72.0
-13°	14831.4	14357.8	13834.1	13261.3	12840.1	12475.8	11440.3	8760.9	438.1	167.8	71.2
-15°	14446.7	13967.1	13518.9	12998.6	12619.8	12214.8	11254.7	8457.6	436.4	170.3	71.2
-17°	13945.1	13531.6	13156.2	12724.9	12363.1	11976.7	11050.5	8117.8	432.2	172.0	71.2
-19.5°	13202.0	12848.6	12571.5	12295.3	12022.4	11663.1	10798.8	7632.2	421.1	172.9	71.2
-22.5°	12769.8	12408.0	12128.4	11883.5	11669.1	11381.0	10516.7	6989.1	402.5	172.9	71.2
-25.5°	12333.4	12005.5	11710.6	11458.1	11309.8	11124.2	10284.5	6274.7	388.1	170.3	71.2
-29°	11656.4	11410.6	11136.9	10881.0	10764.1	10656.5	9943.8	5344.3	379.6	165.2	71.2
-33°	10976.8	10726.0	10437.0	10137.0	10015.9	9961.6	9118.5	4131.8	378.8	155.9	71.2
-37.5°	10437.0	10171.8	9834.5	9471.0	9169.3	8937.2	7810.2	3072.5	372.0	141.5	71.2
-42.5°	9461.7	9293.1	8870.2	8581.3	7998.3	7095.8	5525.7	1993.0	341.5	118.6	70.3
-47.5°	6324.7	6124.8	5979.0	5792.6	5270.6	4099.6	2814.1	738.1	309.3	93.2	70.3
-55°	1740.5	1627.8	1716.8	1494.8	1189.7	874.5	734.7	272.9	241.5	80.5	69.5
-65°	1127.8	1164.3	855.0	532.1	332.2	250.8	359.3	161.8	123.7	73.7	68.6
-75°	137.3	121.2	96.6	106.8	113.5	103.4	95.8	69.5	68.6	68.6	67.8
-85°	55.9	54.2	52.5	51.7	50.0	49.1	50.0	52.5	59.3	65.2	66.1
-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)