

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: P571674

Luminaire Tested: **UFLD-L-CA4-250-730-U-66-TS2HW_NFFLD**

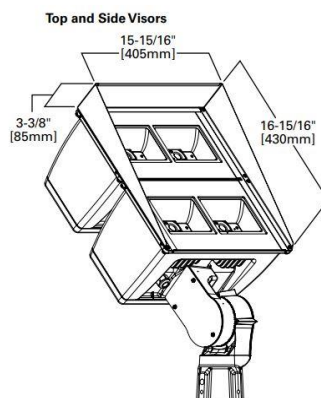
Issue Date: 9/21/2021

Test Information

Test Method: LM-79-08
Report Number: P571674
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-CA4-250-730-U-66-TS2HW_NFFLD
Description: FLOOD LIGHT LARGE, 6x6 OPTIC WITH TOP AND SIDE VISOR
Light Source: (4) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

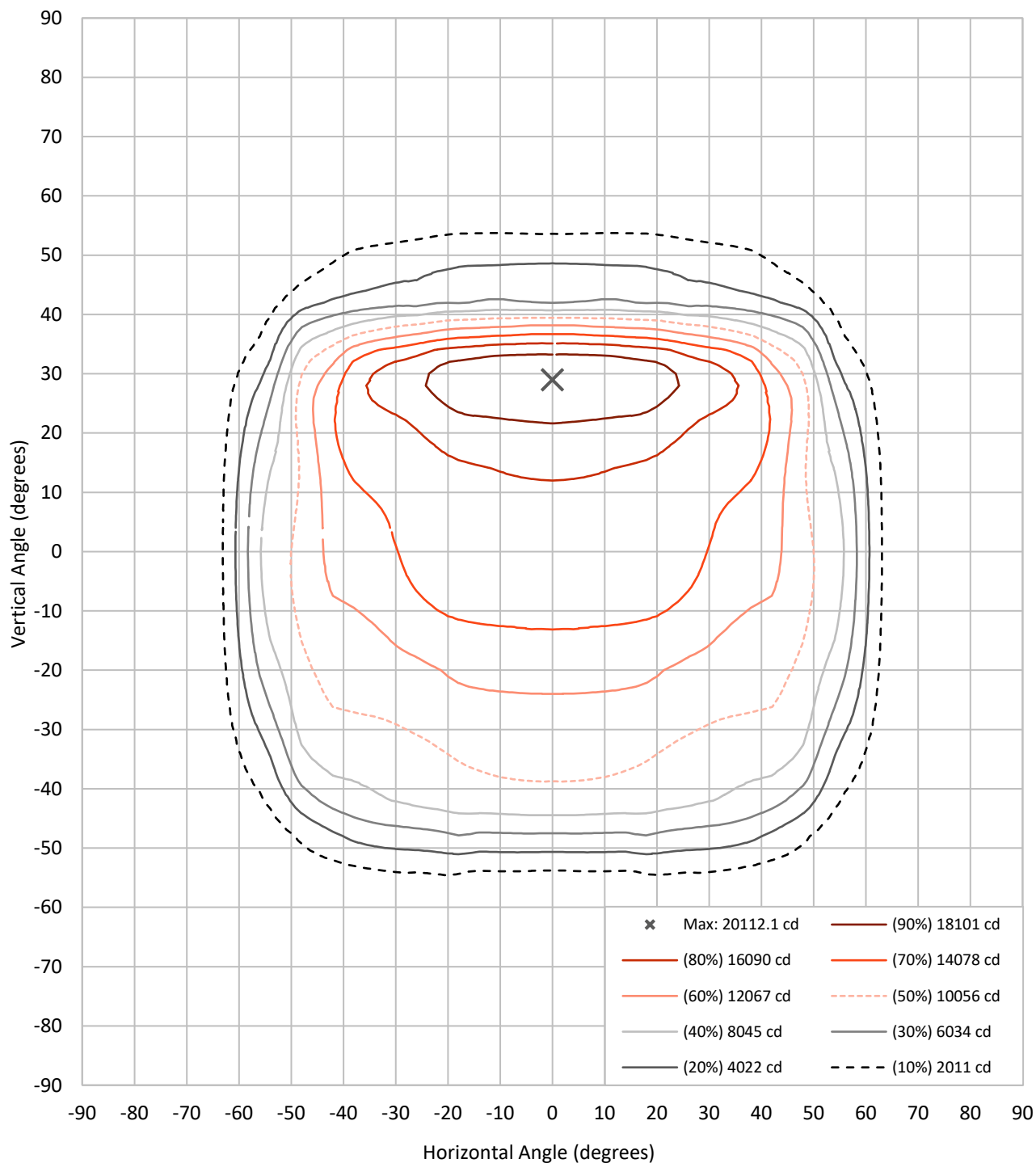
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	34955 lumens	Max Intensity:	20112.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	139.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.33' x L: 1.42' x H: 0')		
Beam Angle (50%):	96.7°H x 78.2°V	Field Angle (10%):	121.2°H x 107.4°V
Beam Lumens:	25377.2 lumens	Field Lumens:	33978.2 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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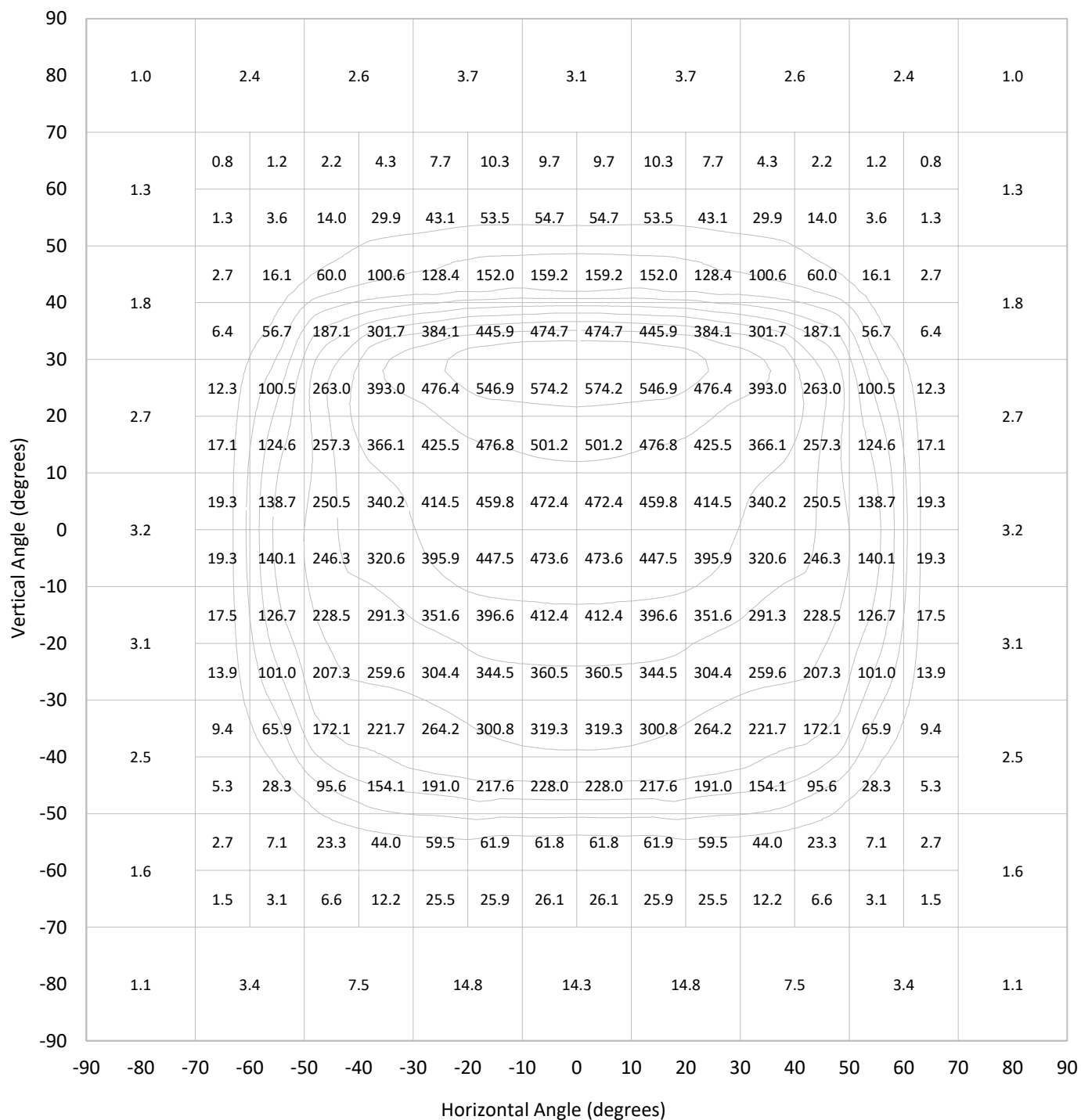
Iso-Candela Plot



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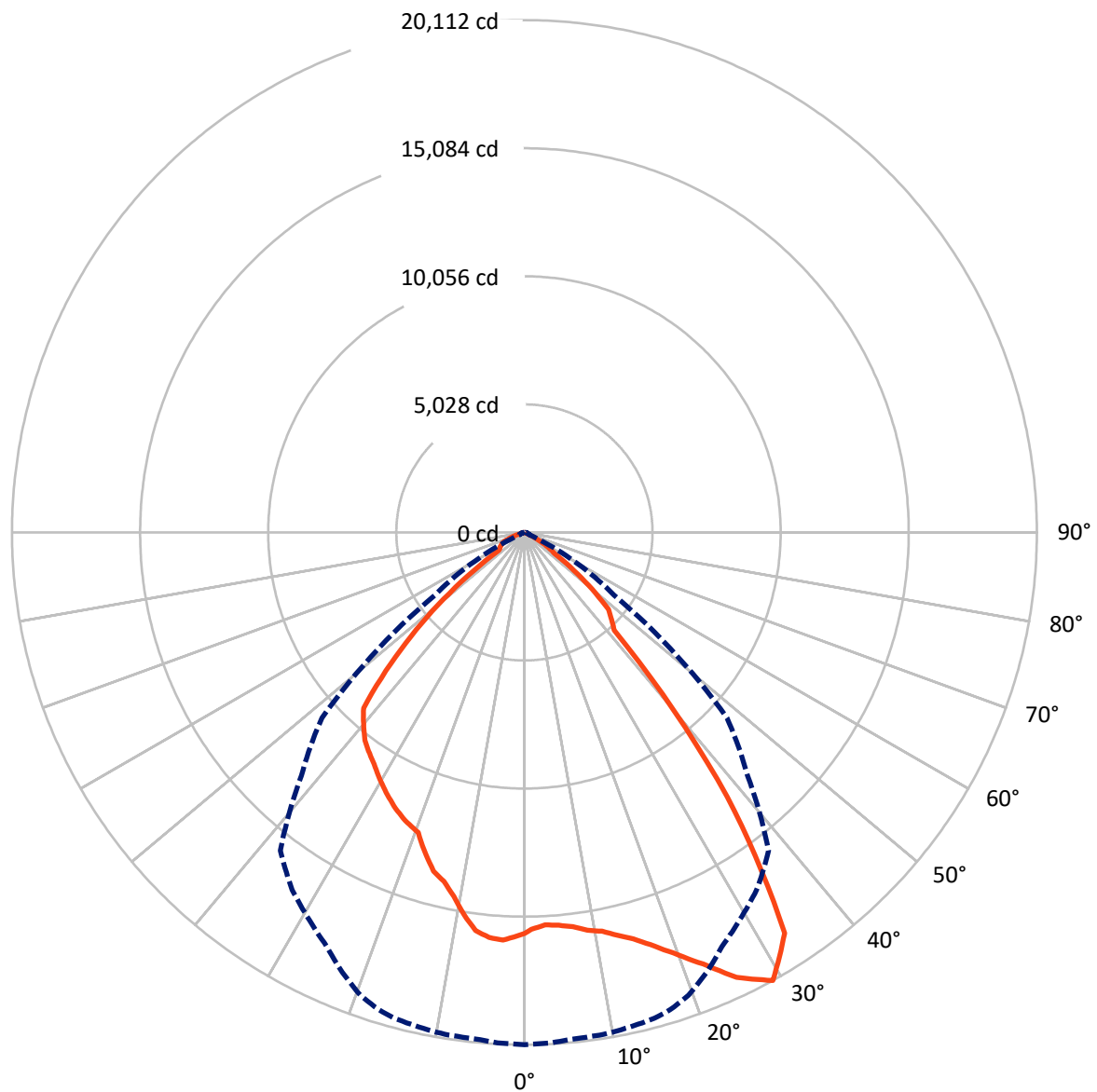
Lumen Table



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Luminous Intensity Polar Plot



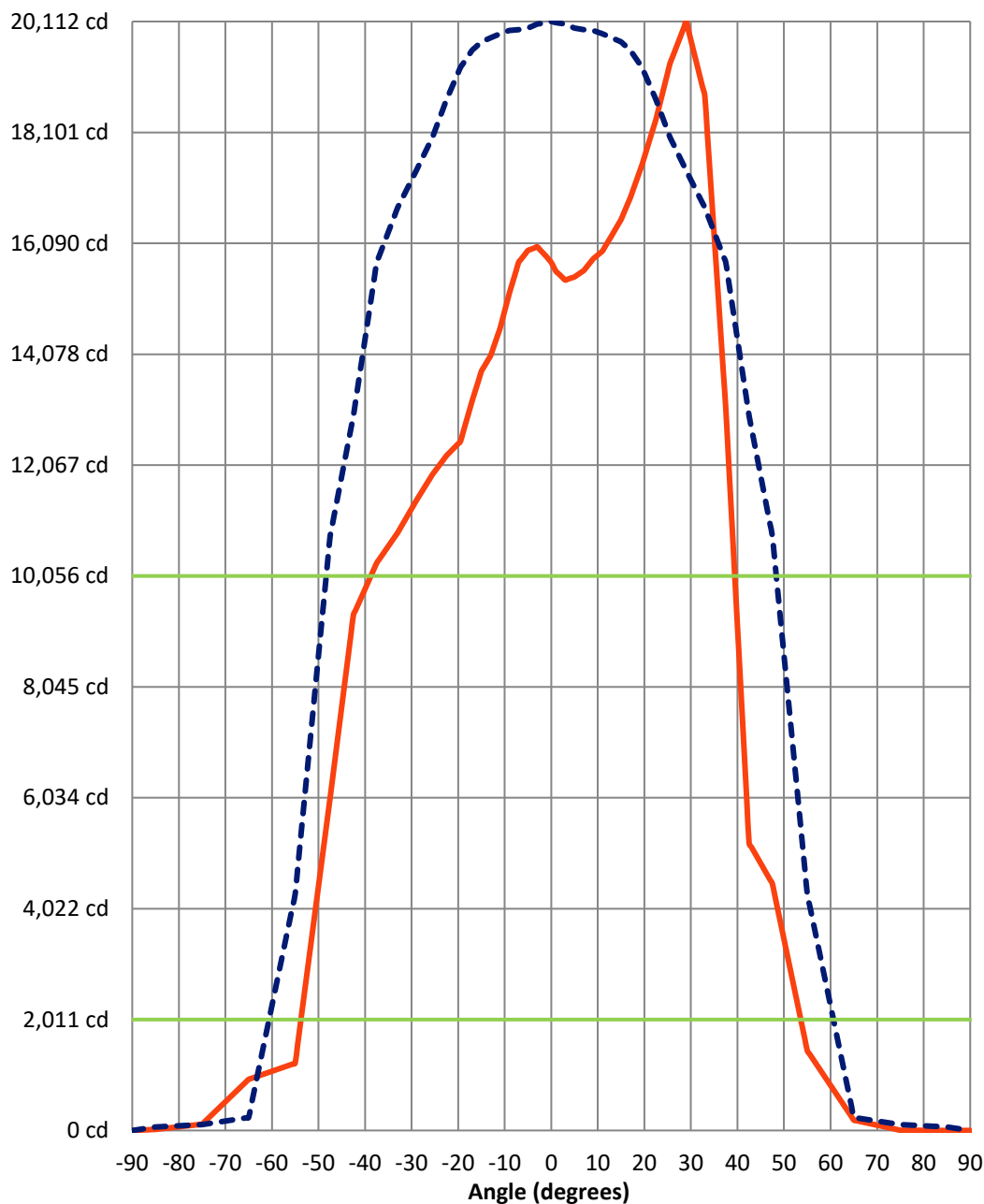
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 29-Deg

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Luminous Intensity Plot



— 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	9.3	20.8	26.2	28.5	30.9	33.2	34.7	34.7	33.9	32.4
75°	3.9	5.4	12.3	16.2	18.5	20.1	21.6	20.8	21.6	20.1	20.1
65°	187.5	187.5	186.7	181.3	170.5	158.9	152.8	169.0	211.4	251.5	260.8
55°	1448.8	1431.1	1428.0	1489.7	1490.5	1536.0	1539.1	1551.4	1515.2	1540.6	1493.6
47.5°	4473.7	4476.8	4449.8	4432.1	4407.4	4356.5	4321.0	4295.5	4291.7	4258.5	4120.4
42.5°	5212.8	5220.5	5292.3	5334.7	5455.0	5599.3	5712.7	5577.7	5458.1	5192.0	5275.3
37.5°	13085.6	13097.2	13083.3	13055.5	12760.1	12682.9	12623.5	12448.4	12365.8	12331.9	12189.2
33°	18754.3	18826.1	18784.4	18727.3	18767.5	18725.8	18637.9	18458.9	18137.2	17973.6	17753.0
29°	20112.1	20092.1	20065.8	19993.3	19964.0	19949.3	19889.2	19817.4	19742.6	19589.8	19278.9
25.5°	19347.6	19282.8	19285.9	19217.2	19164.8	19153.2	19095.3	19012.8	18941.8	18796.0	18471.2
22.5°	18339.3	18322.3	18288.4	18227.4	18194.3	18116.3	18050.0	17978.3	17959.0	17906.5	17655.0
19.5°	17513.8	17493.8	17493.8	17462.1	17416.6	17340.2	17243.8	17172.1	17128.9	17108.8	16926.7
17°	16919.8	16901.3	16895.1	16846.5	16806.4	16736.2	16637.4	16544.1	16473.9	16436.9	16304.9
15°	16521.7	16491.6	16487.0	16465.4	16423.0	16350.5	16253.3	16166.8	16105.9	16031.8	15899.2
13°	16230.9	16196.2	16190.0	16156.8	16113.6	16046.5	15967.8	15896.1	15845.9	15768.8	15650.7
11°	15950.1	15974.0	15953.9	15923.1	15874.5	15817.4	15759.5	15714.0	15673.1	15625.3	15542.7
9°	15805.8	15757.2	15760.3	15732.5	15700.1	15659.2	15619.1	15573.6	15569.7	15565.1	15500.3
7°	15596.7	15581.3	15604.5	15589.0	15543.5	15548.9	15515.7	15524.2	15548.1	15572.8	15580.5
5°	15480.2	15471.0	15479.5	15474.8	15458.6	15464.8	15461.0	15506.5	15579.0	15704.7	15815.8
3°	15423.2	15439.4	15437.0	15438.6	15474.1	15488.7	15526.5	15592.1	15682.4	15788.8	15802.7
1°	15583.6	15602.1	15611.4	15645.3	15705.5	15708.6	15707.8	15746.4	15763.4	16014.1	15998.7
0°	15742.5	15752.6	15756.4	15760.3	15783.4	15795.0	15761.1	15751.0	15724.0	15906.9	15815.8
-1°	15845.9	15869.1	15853.6	15877.5	15899.9	15843.6	15796.5	15740.2	15704.0	15798.9	15615.3
-3°	16025.7	16008.7	15970.1	15966.3	15970.9	15881.4	15760.3	15697.8	15590.6	15536.6	15462.5
-5°	15960.1	15953.9	15908.4	15882.2	15829.7	15685.5	15566.6	15467.1	15353.0	15184.0	15073.7
-7°	15743.3	15666.2	15646.1	15603.7	15447.1	15321.3	15179.4	15065.2	14907.0	14810.6	14731.9
-9°	15184.0	15147.7	15157.0	15101.5	14914.8	14809.8	14712.6	14617.0	14521.3	14450.3	14397.9
-11°	14546.0	14480.4	14530.6	14482.7	14390.2	14345.4	14313.8	14260.6	14225.1	14178.8	14120.1
-13°	14056.9	14026.0	14067.7	14044.5	13995.2	13997.5	13989.0	13965.1	13943.5	13885.6	13782.2
-15°	13769.1	13732.1	13747.5	13755.2	13735.2	13728.2	13721.3	13695.8	13658.8	13587.1	13459.0
-17°	13228.3	13168.2	13189.8	13191.3	13187.4	13166.6	13199.0	13182.8	13175.9	13126.5	13009.2
-19.5°	12497.0	12472.3	12470.0	12473.8	12484.6	12488.5	12505.5	12504.7	12497.0	12436.8	12316.5
-22.5°	12237.8	12233.9	12220.0	12230.1	12223.9	12216.2	12211.5	12189.9	12139.8	12085.0	11942.3
-25.5°	11899.1	11892.2	11913.0	11892.2	11860.5	11843.6	11801.9	11757.1	11709.3	11672.3	11524.9
-29°	11421.6	11417.7	11400.7	11386.8	11339.0	11288.9	11221.0	11175.5	11080.6	11020.4	10844.5
-33°	10839.9	10821.4	10794.4	10774.3	10745.8	10699.5	10655.5	10573.7	10481.9	10392.4	10225.0
-37.5°	10290.6	10313.0	10292.1	10287.5	10251.2	10197.2	10133.2	10056.8	9971.2	9875.5	9722.8
-42.5°	9345.5	9347.9	9342.5	9304.7	9233.7	9173.5	9101.0	9057.0	9031.6	8976.8	8831.7
-47.5°	6032.1	6045.2	6046.8	6063.0	6030.6	6005.1	5984.3	5958.0	5948.8	6404.7	6066.0
-55°	1220.5	1225.9	1257.5	1310.7	1340.8	1356.2	1319.2	1286.8	1288.3	1427.2	1617.0
-65°	927.3	922.7	919.6	912.6	907.2	898.0	906.5	916.5	910.3	927.3	947.4
-75°	113.4	114.2	114.9	114.2	104.1	114.2	127.3	122.7	128.8	133.5	132.7
-85°	19.3	18.5	25.5	31.6	34.7	40.9	46.3	50.1	51.7	52.5	52.5
-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°	30.1	28.5	27.0	26.2	27.0	29.3	33.2	39.3	50.1	54.8	58.6
75°	19.3	19.3	20.8	27.0	27.8	31.6	35.5	40.9	50.9	55.5	59.4
65°	207.5	124.2	90.3	76.4	61.7	53.2	53.2	57.9	60.9	59.4	60.2
55°	1393.3	1254.4	1132.5	1046.1	820.1	553.1	376.5	128.8	91.0	64.0	60.9
47.5°	3963.8	3725.4	3511.7	3287.2	3080.5	2215.7	1445.7	273.9	132.7	69.4	61.7
42.5°	5306.9	4586.4	4851.0	4601.0	4256.2	3858.9	2971.7	989.8	151.2	77.9	61.7
37.5°	11623.7	11166.2	10758.9	10021.3	9109.5	7734.7	6573.7	1944.1	165.9	87.2	62.5
33°	17445.2	16585.0	15859.8	15366.1	14091.6	11165.4	9419.6	2957.0	197.5	97.2	63.3
29°	18694.2	18015.3	17406.6	16734.6	15739.5	12960.6	10777.4	4288.6	235.3	106.5	63.3
25.5°	17937.4	17346.4	16797.1	16315.0	15670.8	13609.4	11321.3	5283.0	273.1	116.5	63.3
22.5°	17126.6	16533.3	16010.2	15653.8	15364.5	13831.6	11166.2	5985.0	310.9	125.0	63.3
19.5°	16470.8	15931.6	15488.7	15220.3	15117.7	13778.4	10799.0	6598.4	353.3	132.7	64.0
17°	15874.5	15447.8	15112.3	14990.4	14917.8	13600.2	10585.3	7091.3	389.6	137.3	64.0
15°	15565.9	15196.3	14954.1	14891.6	14665.6	13392.7	10458.0	7445.4	411.2	141.9	64.0
13°	15361.4	15062.9	14897.0	14730.4	14360.8	13177.4	10395.5	7775.6	426.6	145.0	64.0
11°	15234.9	15003.5	14810.6	14498.9	14023.7	13018.5	10392.4	8053.3	434.3	148.1	64.8
9°	15272.7	14999.6	14684.9	14245.9	13753.7	12888.9	10424.8	8269.3	432.8	150.4	64.8
7°	15328.3	15015.0	14563.0	14009.1	13513.0	12813.3	10471.1	8443.7	424.3	152.8	64.8
5°	15379.2	15024.3	14502.0	13813.1	13313.2	12733.1	10530.5	8586.4	420.4	155.1	64.8
3°	15383.0	15010.4	14420.2	13619.5	13152.7	12676.0	10596.1	8699.8	416.6	156.6	64.8
1°	15325.2	14922.5	14298.4	13445.1	13033.9	12624.3	10664.8	8763.1	414.3	155.8	64.8
0°	15280.4	14834.5	14212.7	13366.4	12955.2	12589.6	10699.5	8779.3	408.1	154.3	64.8
-1°	15194.0	14765.1	14120.1	13318.6	12900.5	12538.6	10721.8	8765.4	405.0	153.5	64.8
-3°	15012.7	14565.3	13974.3	13196.7	12758.5	12430.6	10765.0	8736.9	407.3	152.0	64.8
-5°	14772.0	14363.2	13822.4	13060.2	12595.7	12293.3	10770.4	8660.5	412.7	151.2	64.8
-7°	14511.3	14130.9	13583.2	12855.7	12383.6	12092.7	10735.7	8543.2	405.0	151.2	64.8
-9°	14188.8	13795.4	13249.2	12592.6	12154.5	11865.9	10660.1	8384.3	401.9	152.0	64.8
-11°	13850.1	13434.3	12916.7	12331.1	11906.8	11630.6	10556.7	8199.9	401.9	151.2	65.6
-13°	13503.0	13071.7	12595.0	12073.4	11690.0	11358.3	10415.6	7976.2	398.8	152.8	64.8
-15°	13152.7	12716.1	12308.0	11834.3	11489.4	11120.7	10246.6	7700.0	397.3	155.1	64.8
-17°	12696.0	12319.5	11977.8	11585.1	11255.7	10903.9	10060.7	7390.6	393.4	156.6	64.8
-19.5°	12019.4	11697.7	11445.5	11194.0	10945.6	10618.5	9831.6	6948.6	383.4	157.4	64.8
-22.5°	11626.0	11296.6	11042.0	10819.0	10623.9	10361.6	9574.7	6363.1	366.4	157.4	64.8
-25.5°	11228.7	10930.1	10661.7	10431.8	10296.8	10127.8	9363.3	5712.7	353.3	155.1	64.8
-29°	10612.3	10388.6	10139.4	9906.4	9799.9	9702.0	9053.2	4865.6	345.6	150.4	64.8
-33°	9993.6	9765.2	9502.2	9229.1	9118.7	9069.4	8301.7	3761.7	344.8	141.9	64.8
-37.5°	9502.2	9260.7	8953.6	8622.7	8348.0	8136.7	7110.6	2797.3	338.7	128.8	64.8
-42.5°	8614.2	8460.7	8075.7	7812.6	7281.9	6460.3	5030.7	1814.5	310.9	108.0	64.0
-47.5°	5758.2	5576.2	5443.5	5273.7	4798.5	3732.4	2562.0	671.9	281.6	84.9	64.0
-55°	1584.6	1482.0	1563.0	1360.9	1083.1	796.2	668.9	248.4	219.9	73.3	63.3
-65°	1026.8	1060.0	778.4	484.5	302.4	228.4	327.1	147.4	112.6	67.1	62.5
-75°	125.0	110.3	87.9	97.2	103.4	94.1	87.2	63.3	62.5	62.5	61.7
-85°	50.9	49.4	47.8	47.1	45.5	44.7	45.5	47.8	54.0	59.4	60.2
-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):

	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)