

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: P507816

Luminaire Tested: **UFLD-L-CA4-250-740-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507816
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-110-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UFLD-L-CA4-250-740-U-66
Description: UTILITY FLOOD LARGE, 6x6 OPTIC
Light Source: (4) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	38580 lumens	Max Intensity:	20589.1 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	153.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.33' x L: 1.42' x H: 0')		
Beam Angle (50%):	102.9°H x 79.4°V	Field Angle (10%):	126.5°H x 112.9°V
Beam Lumens:	28664.9 lumens	Field Lumens:	37283.1 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%

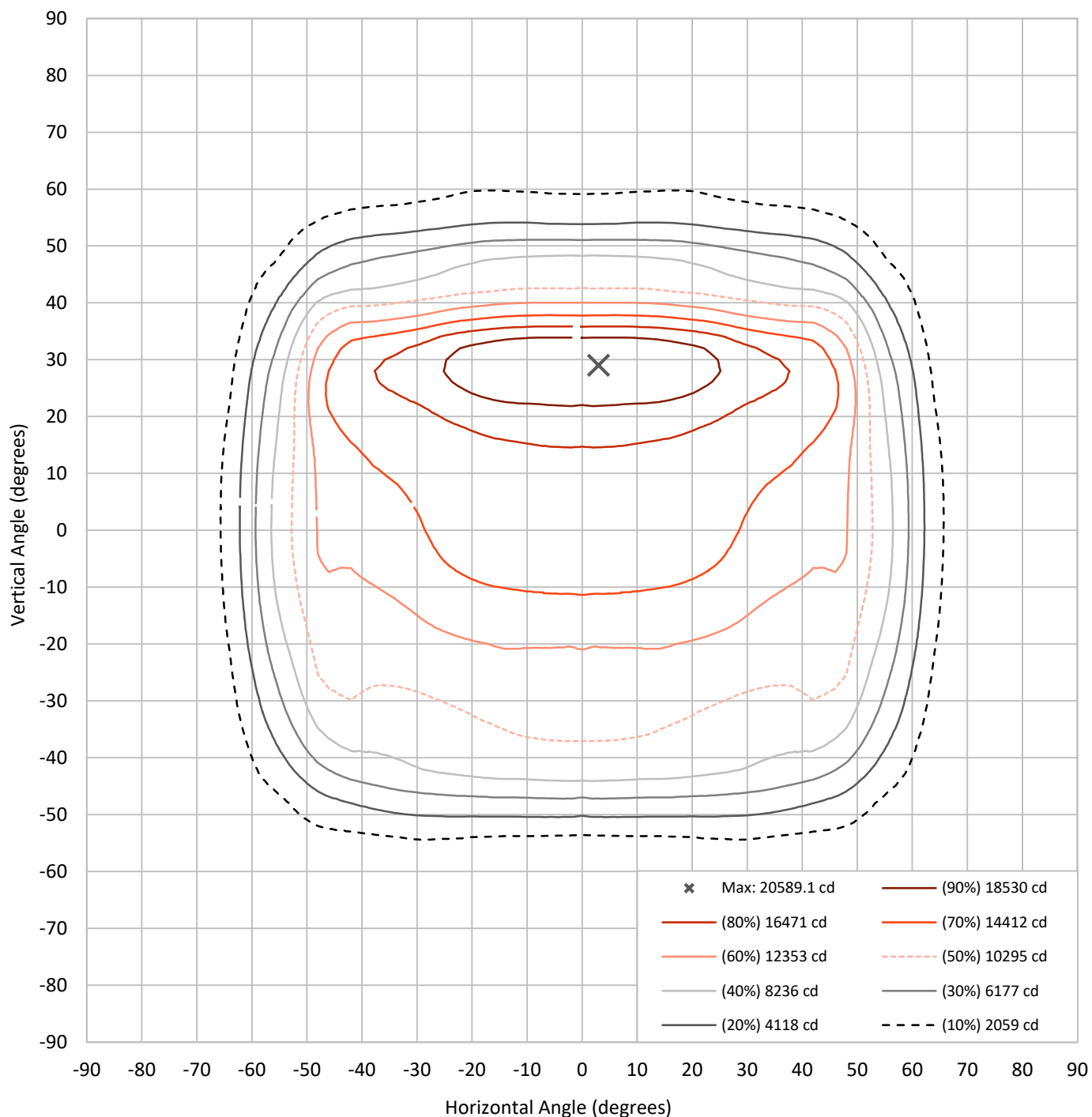
Input Watts (W): 251.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Candela Plot

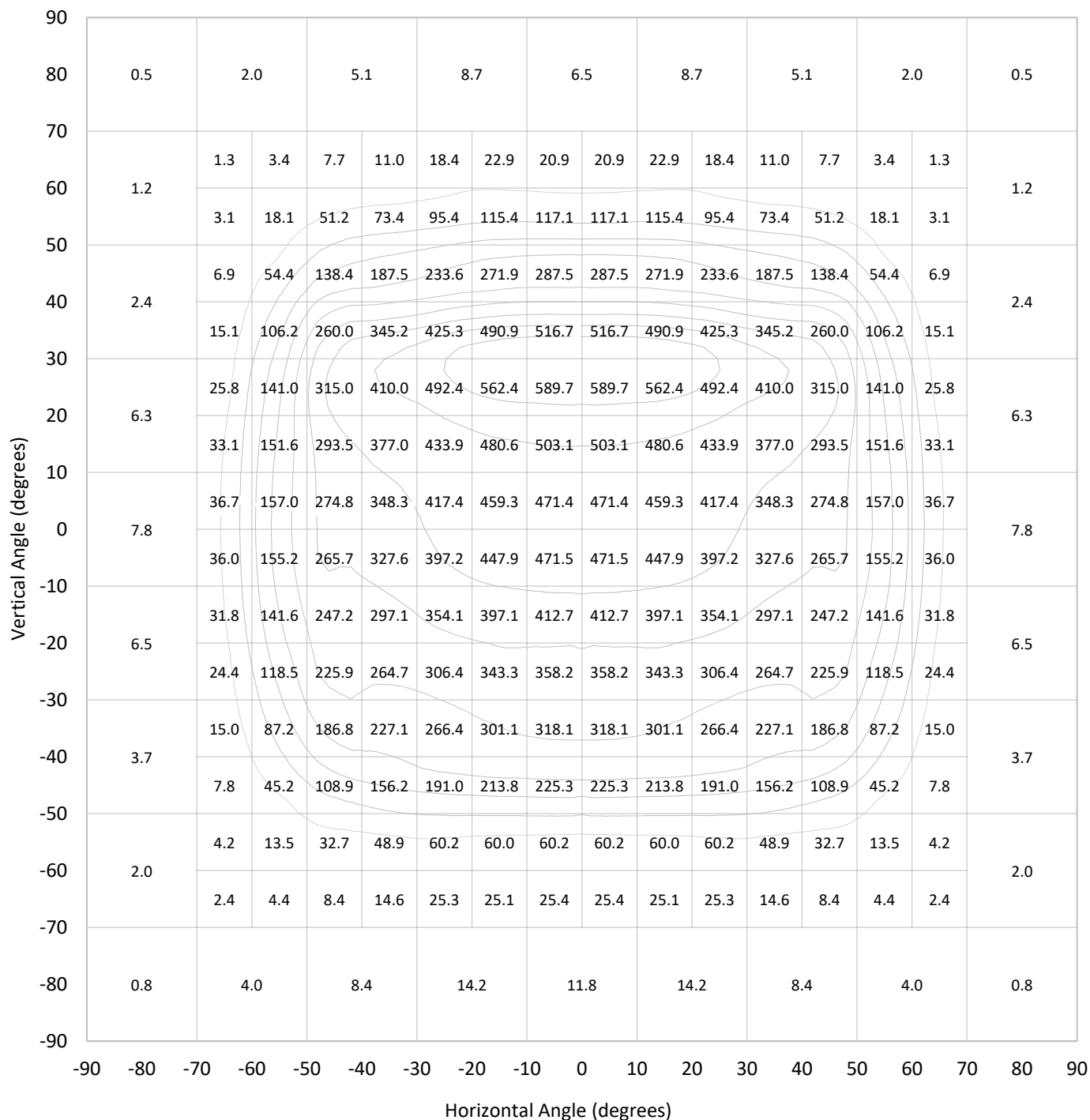




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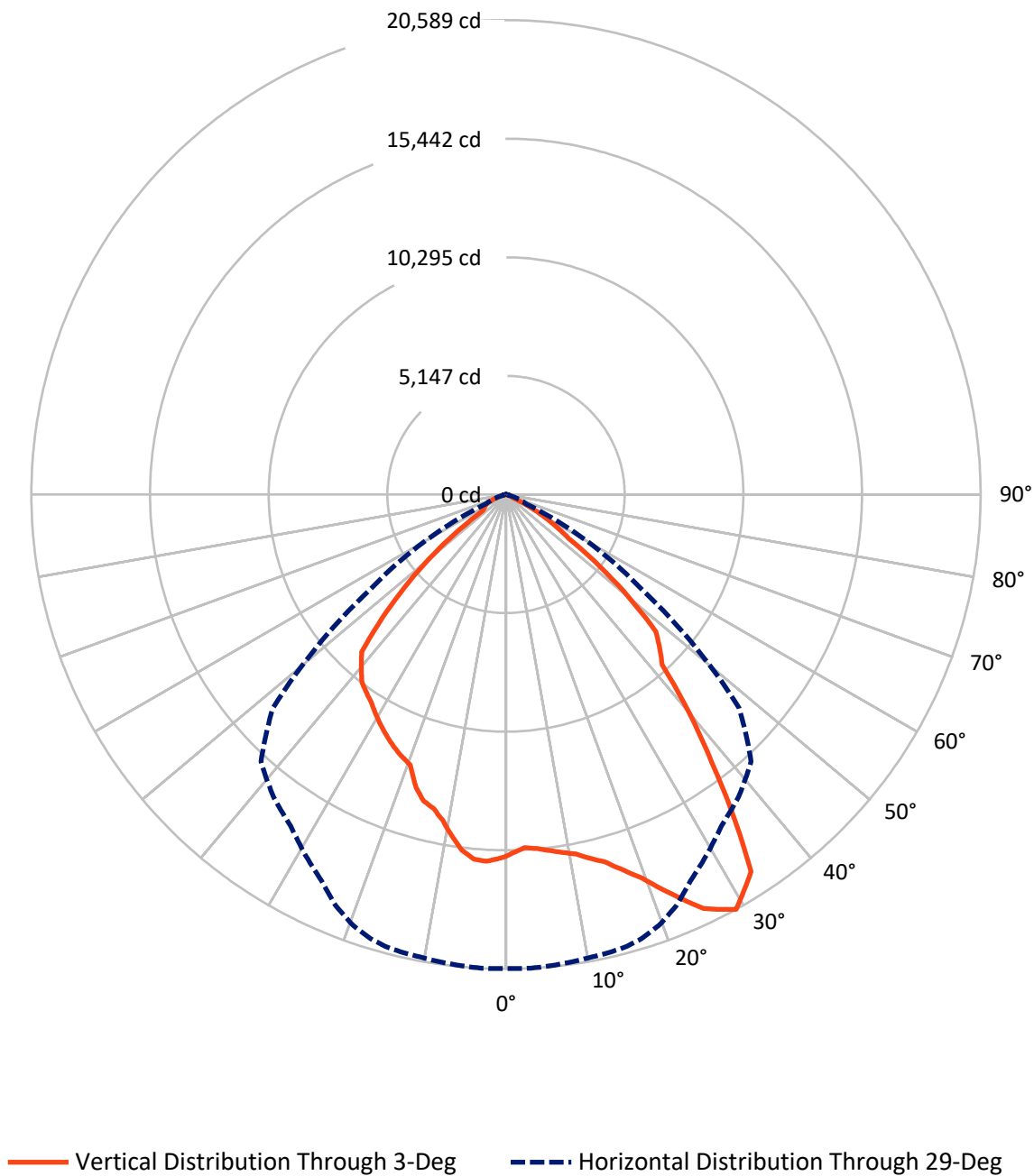
Lumen Table



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Luminous Intensity Polar Plot

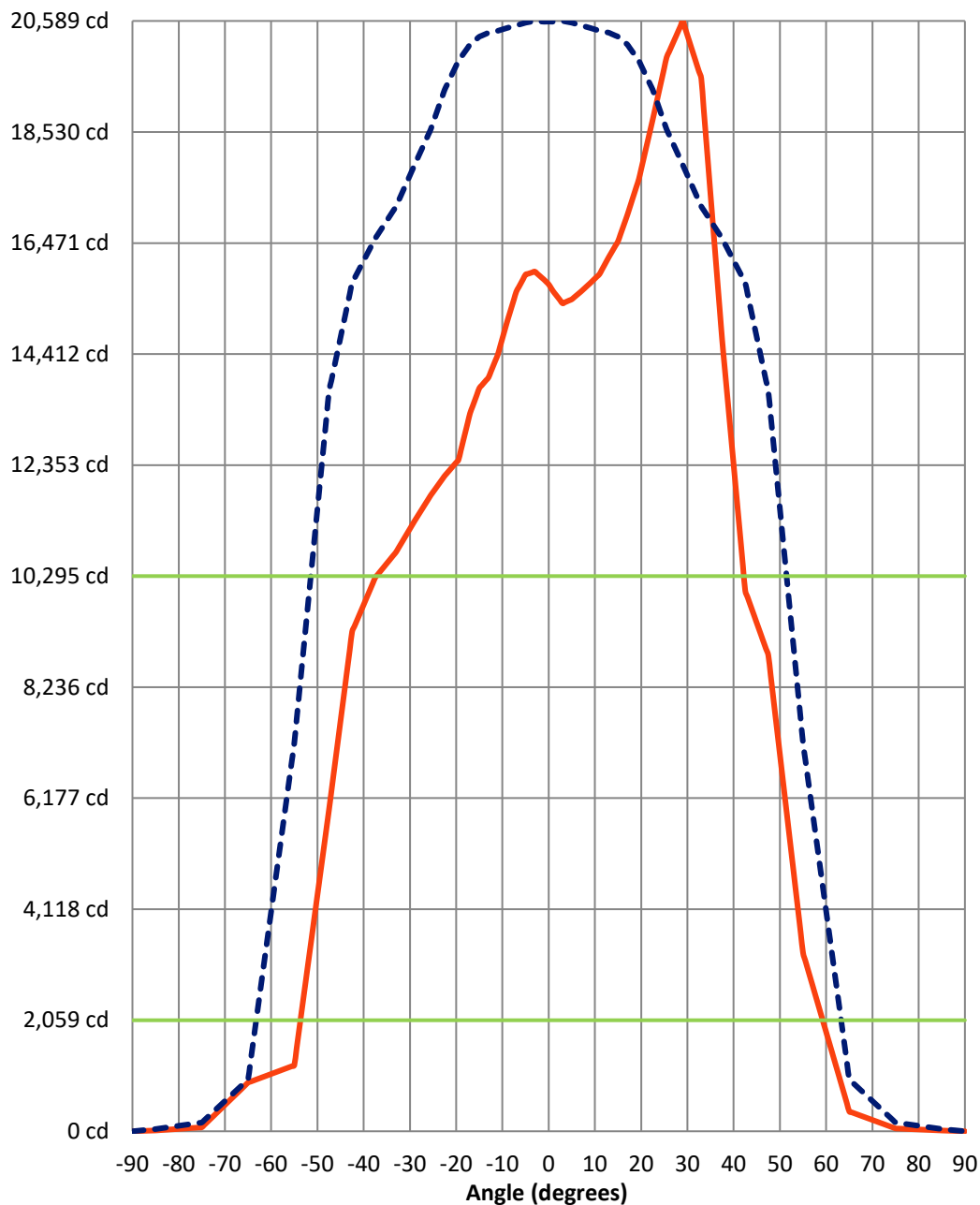




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Luminous Intensity Plot



Beam:

H Angle: 102.9°
V Angle: 79.4°
Lumens: 28664.9
Efficiency: 74.3%

Field:

H Angle: 126.5°
V Angle: 112.9°
Lumens: 37283.1
Efficiency: 96.6%

Spill:

Lumens: 1296.9
Efficiency: 3.4%

— Vertical Distribution through 3-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°	0.8	6.5	13.9	32.6	42.4	49.7	54.6	57.1	57.9	57.9	55.4
75°	48.1	48.9	52.2	47.3	37.5	40.8	59.5	67.6	75.0	77.4	73.4
65°	371.7	369.2	366.8	364.3	353.7	338.2	332.5	365.1	448.3	534.7	577.1
55°	3243.9	3232.5	3309.1	3255.3	3361.3	3463.2	3499.9	3510.4	3522.7	3460.7	3376.8
47.5°	8794.5	8871.1	8823.0	8816.5	8761.0	8674.6	8622.5	8537.7	8463.5	8448.1	8194.6
42.5°	10091.2	10057.0	10025.2	10096.1	10055.4	10089.6	10085.5	9999.1	9938.8	9814.9	9691.0
37.5°	14625.4	14650.6	14682.4	14688.9	14708.5	14626.2	14569.1	14508.8	14393.1	14195.8	13913.0
33°	19527.1	19572.0	19518.2	19514.9	19558.1	19538.5	19454.6	19376.3	19204.4	18972.9	18710.4
29°	20577.7	20575.3	20589.1	20556.5	20506.8	20458.7	20406.6	20371.5	20296.5	20152.3	19851.5
25.5°	19878.4	19889.8	19913.5	19894.7	19832.0	19796.9	19752.1	19690.9	19560.5	19405.7	19149.8
22.5°	18707.2	18796.8	18761.8	18738.1	18684.4	18598.8	18615.9	18558.0	18457.0	18298.8	18029.9
19.5°	17619.9	17664.7	17655.8	17590.5	17557.1	17487.0	17454.4	17412.1	17326.5	17228.7	17045.3
17°	16923.8	17007.0	16989.0	16949.1	16896.9	16850.5	16791.8	16755.9	16685.8	16578.2	16355.7
15°	16510.6	16548.1	16504.1	16495.9	16503.3	16411.2	16373.7	16282.4	16260.4	16169.9	15973.5
13°	16161.8	16180.5	16209.8	16163.4	16155.2	16122.6	16044.4	16006.1	15929.5	15892.8	15751.0
11°	15887.9	16015.9	15895.2	15928.6	15891.2	15886.3	15842.3	15821.1	15764.0	15707.8	15620.6
9°	15745.3	15767.3	15729.0	15727.3	15710.2	15679.2	15668.6	15667.0	15655.6	15624.6	15570.8
7°	15570.8	15589.6	15571.7	15553.7	15540.7	15527.6	15564.3	15576.5	15629.5	15585.5	15534.2
5°	15451.8	15433.9	15427.4	15424.1	15456.7	15456.7	15528.5	15569.2	15618.9	15632.8	15565.9
3°	15350.0	15372.0	15352.4	15376.0	15440.4	15474.7	15570.8	15630.3	15662.9	15663.8	15636.9
1°	15508.1	15561.9	15572.5	15588.8	15612.4	15633.6	15705.3	15758.3	15723.3	15724.9	15615.7
0°	15656.4	15677.6	15705.3	15686.6	15717.5	15736.3	15787.6	15798.2	15784.4	15722.4	15575.7
-1°	15812.1	15807.2	15791.7	15788.5	15795.8	15773.8	15802.3	15767.3	15725.7	15670.3	15532.5
-3°	15923.8	15964.5	15942.5	15917.2	15837.4	15837.4	15805.6	15675.2	15618.9	15561.1	15367.1
-5°	15830.0	15882.2	15885.4	15804.8	15680.9	15648.3	15547.2	15469.0	15371.1	15276.6	15081.0
-7°	15621.4	15593.7	15569.2	15464.9	15383.4	15306.8	15172.3	15036.2	15010.9	14921.2	14749.3
-9°	15045.9	15065.5	15007.6	14979.9	14890.3	14790.8	14751.7	14654.7	14603.4	14523.5	14365.4
-11°	14474.6	14396.3	14402.0	14421.6	14358.0	14358.8	14316.5	14257.8	14250.4	14174.6	14041.0
-13°	14023.9	14018.2	13979.8	14012.5	14000.2	14001.9	13961.9	13954.6	13940.7	13888.6	13708.4
-15°	13726.4	13774.5	13779.3	13751.6	13758.2	13742.7	13728.0	13692.9	13682.4	13600.0	13411.8
-17°	13293.6	13309.9	13313.9	13311.5	13291.1	13307.4	13325.4	13311.5	13260.2	13197.4	13045.8
-19.5°	12493.2	12428.0	12450.8	12473.6	12480.1	12479.3	12505.4	12549.4	12508.7	12426.4	12300.8
-22.5°	12207.9	12194.1	12151.7	12165.5	12159.0	12138.6	12138.6	12141.9	12118.3	12031.9	11860.7
-25.5°	11780.0	11799.6	11793.1	11784.1	11782.5	11745.8	11747.4	11753.1	11706.7	11611.3	11457.2
-29°	11308.1	11321.1	11316.2	11294.2	11264.1	11198.1	11170.3	11108.4	11026.1	10973.1	10848.4
-33°	10771.0	10738.4	10740.0	10736.7	10696.8	10658.5	10612.0	10534.6	10449.8	10383.8	10251.8
-37.5°	10264.8	10283.6	10266.5	10272.2	10249.3	10211.0	10169.5	10110.8	10027.6	9932.3	9801.1
-42.5°	9298.2	9284.3	9263.1	9216.7	9197.9	9109.1	9054.5	9056.1	9037.3	8964.8	8840.1
-47.5°	5772.2	5925.5	5960.5	5930.4	5901.0	5888.8	5826.8	5821.9	5826.8	5787.7	5691.5
-55°	1192.4	1188.4	1222.6	1247.0	1297.6	1317.1	1326.9	1291.0	1331.0	1413.3	1453.2
-65°	918.6	915.3	902.3	901.5	889.2	884.3	883.5	875.4	881.1	905.5	933.2
-75°	71.7	71.7	72.5	64.4	59.5	66.8	87.2	93.7	103.5	99.4	110.8
-85°	2.4	7.3	14.7	34.2	44.0	50.5	55.4	57.9	57.9	57.1	56.2
-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°	51.3	48.1	45.6	42.4	36.7	31.0	26.9	22.8	26.1	22.8	27.7
75°	66.0	66.8	84.0	105.1	94.5	63.6	44.0	36.7	48.1	27.7	30.2
65°	502.9	324.4	201.3	151.6	123.1	104.3	128.0	97.0	89.7	44.8	31.8
55°	3168.9	2957.8	2803.0	2605.7	2541.3	2359.6	1908.9	776.7	142.6	72.5	34.2
47.5°	7919.9	7565.4	7165.2	6716.9	6330.5	5795.9	4748.5	2077.6	171.2	93.7	36.7
42.5°	9475.0	9071.6	8829.5	8502.7	8140.8	8021.0	7223.0	3578.1	176.1	106.8	37.5
37.5°	13670.9	13219.4	12597.5	12117.4	11737.6	11683.0	10187.4	5050.9	280.4	123.1	39.1
33°	18206.7	17544.9	16687.5	15946.6	15301.1	14721.5	12482.6	6236.8	652.9	141.8	39.9
29°	19311.9	18580.0	17919.0	17149.6	16556.2	15733.0	13713.3	7200.2	960.1	162.2	40.8
25.5°	18626.5	18078.0	17434.9	16830.1	16385.9	15811.3	14244.7	7739.0	1208.7	180.9	41.6
22.5°	17615.0	17133.3	16598.6	16213.9	15972.7	15528.5	14204.0	8037.3	1406.8	197.2	42.4
19.5°	16726.6	16390.8	15958.8	15720.8	15616.5	15082.6	13794.0	8336.4	1585.3	214.4	43.2
17°	16112.0	15822.7	15537.4	15424.9	15320.6	14631.1	13420.7	8545.9	1731.2	223.3	44.0
15°	15752.6	15543.1	15338.5	15257.9	15061.4	14234.1	13172.1	8685.2	1833.1	230.7	44.8
13°	15580.6	15442.9	15260.3	15107.1	14772.1	13875.5	12988.7	8849.1	1916.2	237.2	44.8
11°	15486.1	15358.1	15113.6	14887.0	14415.9	13558.5	12880.3	8990.1	1984.7	240.4	45.6
9°	15432.3	15278.2	14979.9	14580.5	14124.9	13283.0	12815.9	9092.0	2041.7	242.1	46.5
7°	15449.4	15196.7	14807.9	14349.1	13860.0	13113.4	12759.7	9166.1	2080.8	241.3	47.3
5°	15443.7	15114.4	14666.9	14196.7	13655.5	12955.3	12716.5	9224.8	2098.8	238.8	48.1
3°	15413.5	15073.7	14540.6	13974.1	13472.9	12829.0	12696.9	9262.3	2115.1	236.4	48.1
1°	15365.4	14975.0	14378.4	13848.6	13344.9	12710.0	12675.8	9277.8	2111.0	233.9	48.1
0°	15317.4	14927.8	14325.4	13783.4	13286.2	12645.6	12644.8	9316.9	2103.7	232.3	48.1
-1°	15239.1	14825.9	14232.5	13686.4	13209.6	12657.0	12646.4	9281.9	2095.5	229.8	48.9
-3°	15024.8	14638.4	14079.3	13541.3	13069.4	12573.9	12618.7	9247.6	2080.8	227.4	49.7
-5°	14781.9	14407.8	13906.5	13372.6	12907.2	12449.2	12555.1	9151.5	2046.6	225.8	49.7
-7°	14473.0	14191.8	13656.3	13137.9	12696.9	12271.5	12435.3	9058.5	2009.1	224.1	50.5
-9°	14156.7	13862.5	13385.7	12869.7	12464.7	12124.0	12271.5	8914.3	1959.4	222.5	50.5
-11°	13834.0	13530.8	13054.8	12575.5	12189.2	11892.5	12098.7	8752.9	1904.0	222.5	51.3
-13°	13447.6	13170.5	12738.5	12307.4	11936.5	11717.3	11912.9	8549.1	1836.3	223.3	51.3
-15°	13150.1	12854.3	12440.2	12036.8	11700.1	11537.1	11696.1	8289.1	1771.9	225.0	52.2
-17°	12795.6	12539.6	12161.5	11784.9	11480.9	11363.5	11479.3	8025.9	1688.8	225.8	52.2
-19.5°	12103.6	11870.5	11630.9	11383.1	11183.4	11145.9	11202.1	7680.3	1576.3	227.4	52.2
-22.5°	11638.2	11401.8	11141.0	10948.7	10811.7	10940.5	10869.6	7201.0	1416.6	229.8	52.2
-25.5°	11256.7	11039.1	10778.3	10593.3	10515.0	10797.1	10563.9	6682.6	1238.1	229.8	52.2
-29°	10668.3	10478.4	10244.4	10069.2	10026.8	10466.1	9971.4	6083.6	1027.8	226.6	52.2
-33°	10023.6	9810.0	9573.7	9387.0	9307.9	9899.7	8994.1	5365.5	765.3	217.6	52.2
-37.5°	9612.8	9374.0	9109.9	8816.5	8638.0	8718.7	7687.6	4335.3	445.0	202.1	51.3
-42.5°	8619.2	8472.5	8147.3	7830.2	7362.4	6802.5	5732.3	3109.4	339.9	183.4	51.3
-47.5°	5698.9	5591.3	5487.0	5287.3	4841.4	4259.5	3579.7	1722.2	323.6	160.6	50.5
-55°	1574.7	1596.7	1691.2	1575.5	1377.4	1207.1	1171.2	525.7	297.5	123.1	48.1
-65°	988.7	1002.5	817.5	578.7	391.2	299.1	303.2	201.3	198.1	71.7	44.8
-75°	120.6	121.4	101.9	97.0	97.8	111.7	116.6	97.0	78.2	40.8	41.6
-85°	54.6	53.8	52.2	50.5	49.7	47.3	44.0	39.9	36.7	37.5	37.5
-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):

	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)