

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: P507825

Luminaire Tested: **UFLD-L-CA4-320-722-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507825
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-CA4-320-722-U-66
Description: UTILITY FLOOD LARGE, 6x6 OPTIC
Light Source: (4) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	38143 lumens	Max Intensity:	20355.9 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	118.3 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:	28340.2 lumens	Field Lumens:	36860.8 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%

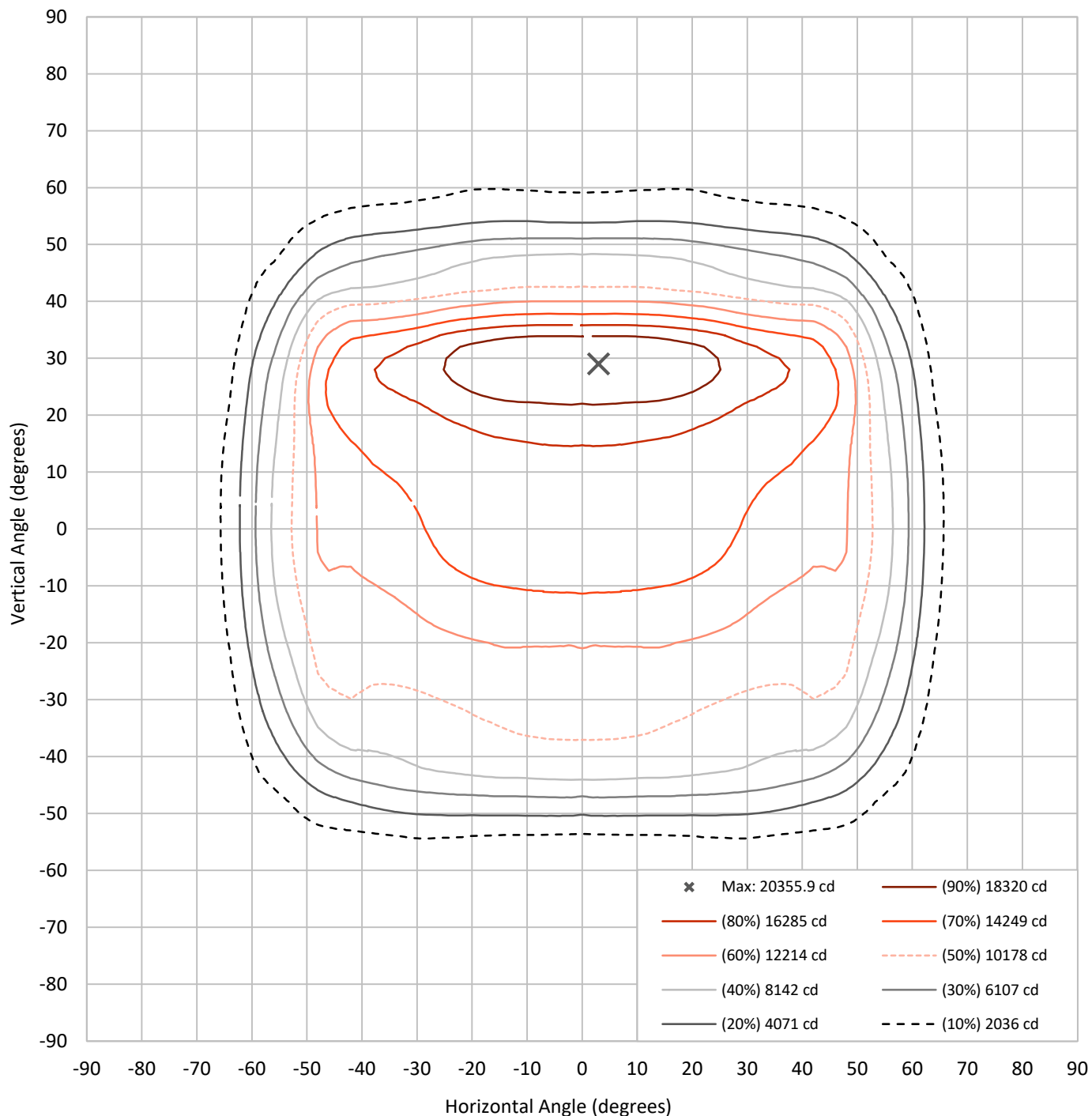
Input Watts (W): 322.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Candela Plot

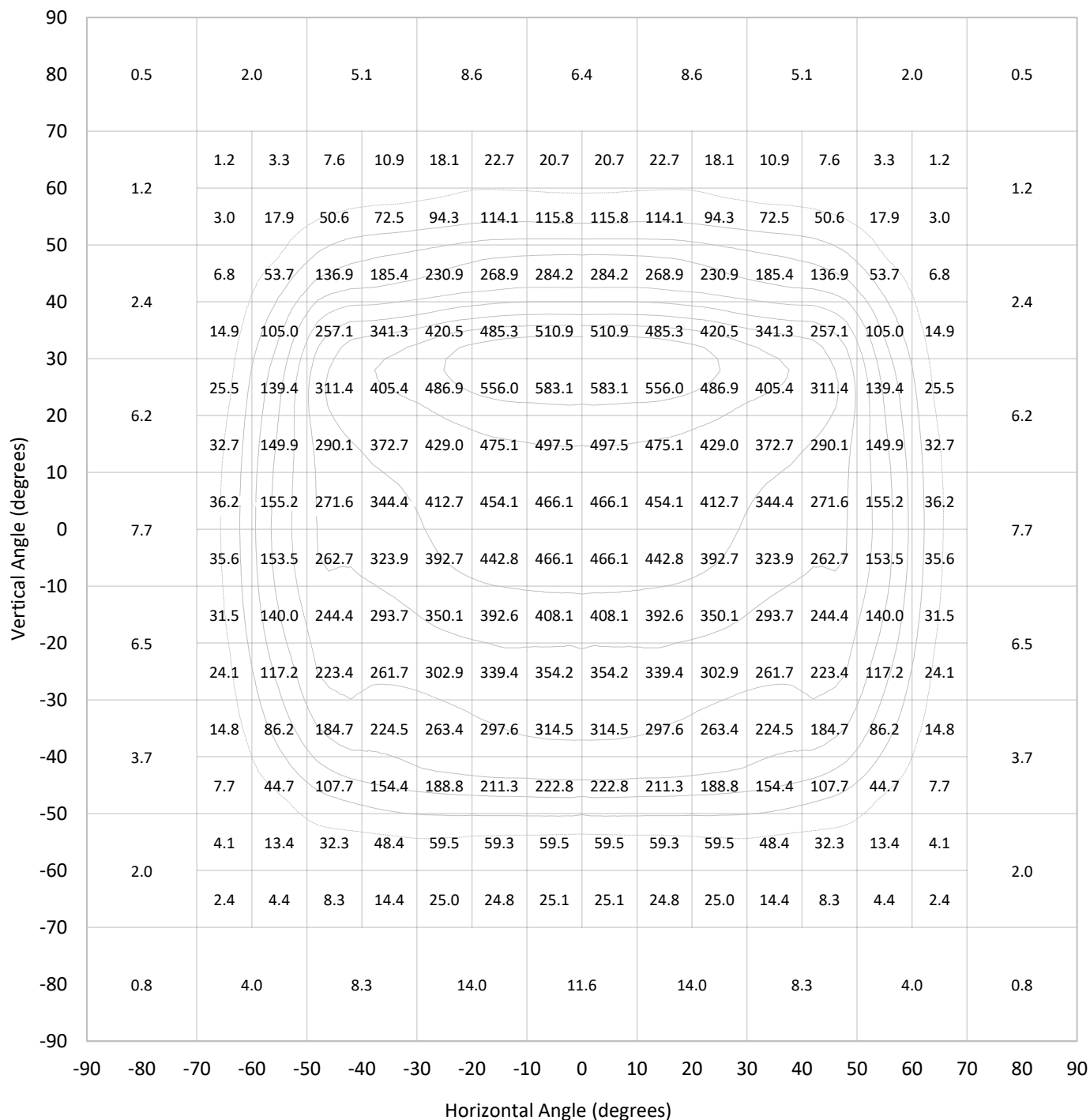




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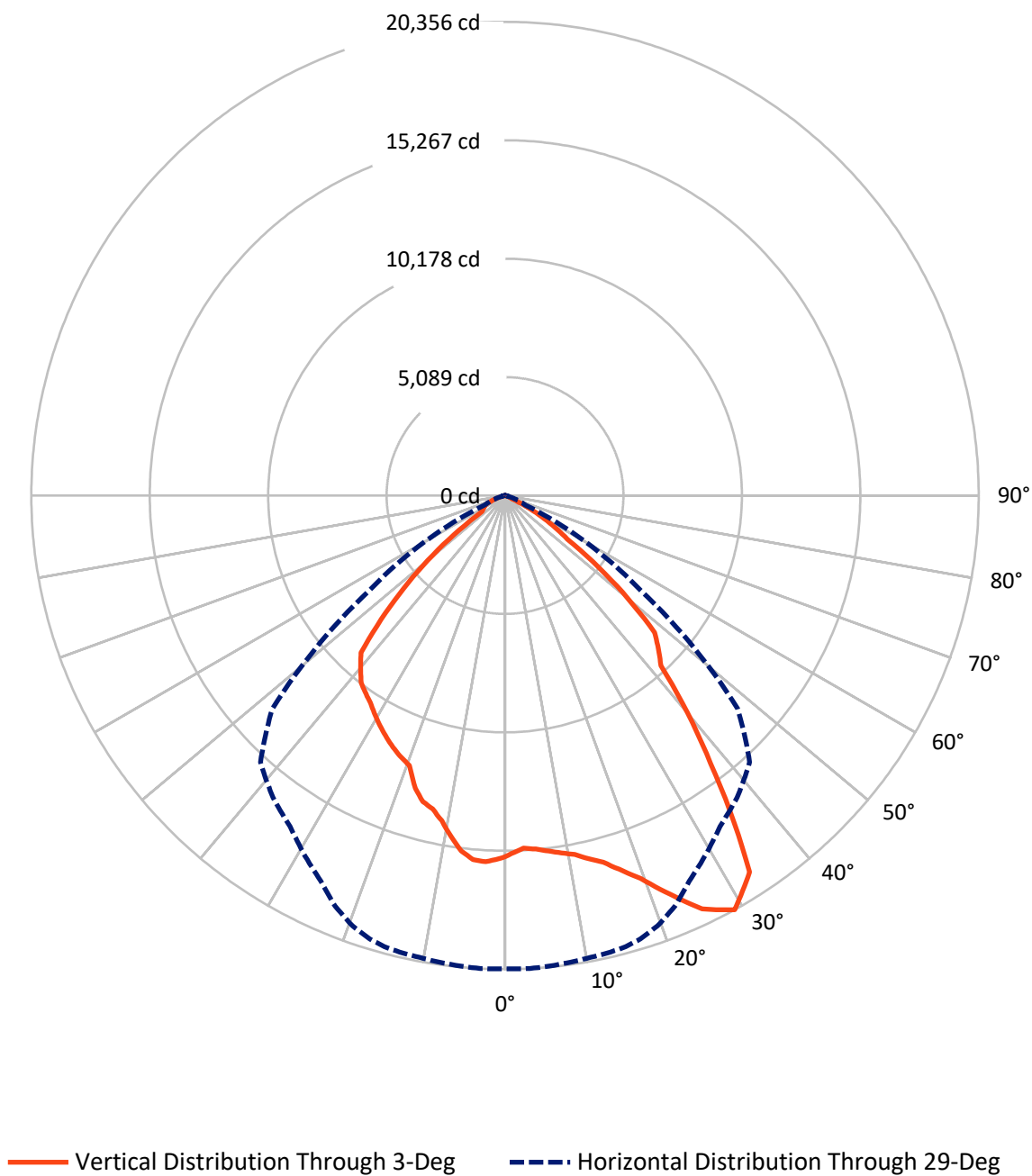
Lumen Table



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Luminous Intensity Polar Plot

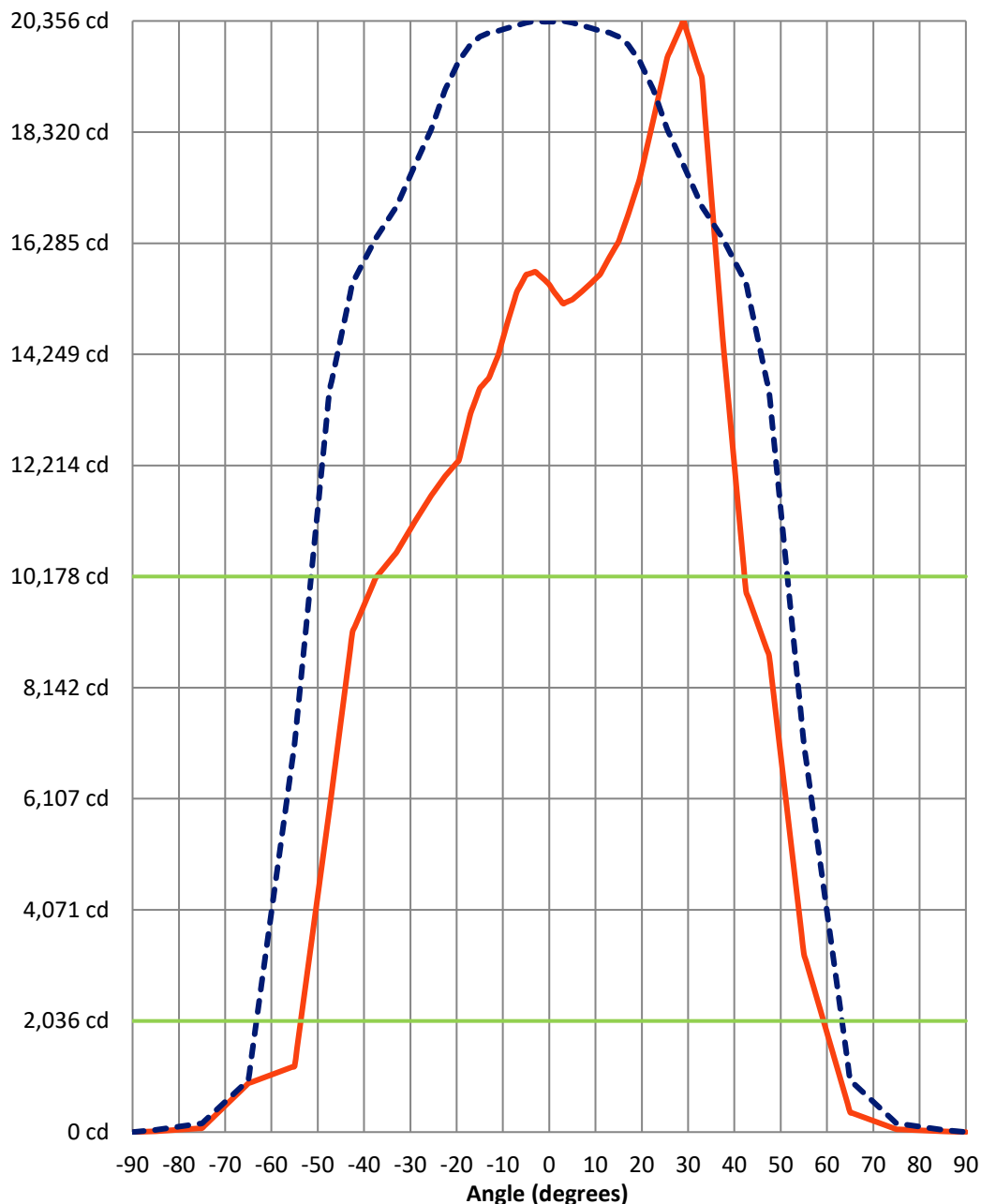




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Luminous Intensity Plot



Beam:
H Angle: 102.9°
V Angle: 79.4°
Lumens: 28340.2
Efficiency: 74.3%

Field:
H Angle: 126.5°
V Angle: 112.9°
Lumens: 36860.8
Efficiency: 96.6%

Spill:
Lumens: 1282.2
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	6.4	13.7	32.2	41.9	49.2	54.0	56.4	57.2	57.2	54.8
75°	47.5	48.3	51.6	46.7	37.1	40.3	58.8	66.9	74.1	76.6	72.5
65°	367.5	365.0	362.6	360.2	349.7	334.4	328.8	361.0	443.2	528.6	570.5
55°	3207.2	3195.9	3271.6	3218.5	3323.2	3423.9	3460.2	3470.7	3482.8	3421.5	3338.5
47.5°	8694.8	8770.6	8723.0	8716.6	8661.8	8576.4	8524.8	8441.0	8367.7	8352.4	8101.8
42.5°	9976.9	9943.1	9911.6	9981.7	9941.5	9975.3	9971.3	9885.9	9826.2	9703.7	9581.2
37.5°	14459.7	14484.7	14516.1	14522.6	14541.9	14460.5	14404.1	14344.5	14230.0	14035.0	13755.4
33°	19305.9	19350.3	19297.1	19293.8	19336.6	19317.2	19234.2	19156.9	18986.8	18758.0	18498.5
29°	20344.6	20342.2	20355.9	20323.7	20274.5	20227.0	20175.4	20140.8	20066.6	19924.0	19626.7
25.5°	19653.2	19664.5	19687.9	19669.4	19607.3	19572.7	19528.3	19467.9	19339.0	19185.9	18932.8
22.5°	18495.3	18583.9	18549.3	18525.9	18472.7	18388.1	18405.0	18347.8	18247.9	18091.6	17825.6
19.5°	17420.3	17464.6	17455.8	17391.3	17358.3	17289.0	17256.7	17214.8	17130.2	17033.5	16852.2
17°	16732.1	16814.3	16796.6	16757.1	16705.5	16659.6	16601.6	16566.1	16496.8	16390.5	16170.5
15°	16323.6	16360.6	16317.1	16309.1	16316.3	16225.3	16188.2	16097.9	16076.2	15986.7	15792.5
13°	15978.7	15997.2	16026.2	15980.3	15972.2	15940.0	15862.6	15824.8	15749.0	15712.8	15572.6
11°	15707.9	15834.4	15715.2	15748.2	15711.2	15706.3	15662.8	15641.9	15585.4	15529.8	15443.6
9°	15566.9	15588.7	15550.8	15549.2	15532.3	15501.6	15491.2	15489.6	15478.3	15447.6	15394.5
7°	15394.5	15413.0	15395.3	15377.5	15364.6	15351.8	15388.0	15400.1	15452.5	15409.0	15358.2
5°	15276.8	15259.1	15252.6	15249.4	15281.7	15281.7	15352.6	15392.9	15442.0	15455.7	15389.6
3°	15176.1	15197.8	15178.5	15201.9	15265.5	15299.4	15394.5	15453.3	15485.5	15486.3	15459.7
1°	15332.4	15385.6	15396.1	15412.2	15435.6	15456.5	15527.4	15579.8	15545.2	15546.8	15438.8
0°	15479.1	15500.0	15527.4	15508.9	15539.5	15558.0	15608.8	15619.3	15605.6	15544.3	15399.3
-1°	15633.0	15628.2	15612.8	15609.6	15616.9	15595.1	15623.3	15588.7	15547.6	15492.8	15356.6
-3°	15743.4	15783.7	15761.9	15736.9	15658.0	15658.0	15626.5	15497.6	15442.0	15384.8	15193.0
-5°	15650.7	15702.3	15705.5	15625.7	15503.3	15471.0	15371.1	15293.7	15197.0	15103.6	14910.2
-7°	15444.4	15417.0	15392.9	15289.7	15209.1	15133.4	15000.4	14865.8	14840.9	14752.2	14582.2
-9°	14875.5	14894.9	14837.6	14810.2	14721.6	14623.3	14584.6	14488.7	14438.0	14359.0	14202.7
-11°	14310.6	14233.3	14238.9	14258.3	14195.4	14196.2	14154.3	14096.3	14089.0	14014.1	13881.9
-13°	13865.0	13859.4	13821.5	13853.7	13841.6	13843.3	13803.8	13796.5	13782.8	13731.2	13553.2
-15°	13570.9	13618.4	13623.3	13595.9	13602.3	13587.0	13572.5	13537.8	13527.4	13446.0	13259.8
-17°	13143.0	13159.1	13163.1	13160.7	13140.6	13156.7	13174.4	13160.7	13110.0	13047.9	12898.0
-19.5°	12351.7	12287.2	12309.8	12332.3	12338.8	12338.0	12363.8	12407.3	12367.0	12285.6	12161.5
-22.5°	12069.6	12055.9	12014.0	12027.7	12021.3	12001.1	12001.1	12004.4	11981.0	11895.6	11726.4
-25.5°	11646.6	11665.9	11659.5	11650.6	11649.0	11612.7	11614.3	11620.0	11574.1	11479.8	11327.5
-29°	11180.0	11192.9	11188.1	11166.3	11136.5	11071.2	11043.8	10982.6	10901.2	10848.8	10725.5
-33°	10649.0	10616.7	10618.3	10615.1	10575.6	10537.8	10491.8	10415.3	10331.5	10266.2	10135.7
-37.5°	10148.5	10167.1	10150.2	10155.8	10133.2	10095.4	10054.3	9996.2	9914.1	9819.8	9690.0
-42.5°	9192.8	9179.1	9158.2	9112.3	9093.7	9005.9	8951.9	8953.5	8935.0	8863.3	8740.0
-47.5°	5706.8	5858.3	5893.0	5863.2	5834.2	5822.1	5760.8	5756.0	5760.8	5722.2	5627.1
-55°	1178.9	1174.9	1208.7	1232.9	1282.9	1302.2	1311.9	1276.4	1315.9	1397.3	1436.8
-65°	908.2	904.9	892.0	891.2	879.2	874.3	873.5	865.5	871.1	895.3	922.7
-75°	70.9	70.9	71.7	63.7	58.8	66.1	86.2	92.7	102.3	98.3	109.6
-85°	2.4	7.3	14.5	33.8	43.5	50.0	54.8	57.2	57.2	56.4	55.6
-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°	50.8	47.5	45.1	41.9	36.3	30.6	26.6	22.6	25.8	22.6	27.4
75°	65.3	66.1	83.0	104.0	93.5	62.9	43.5	36.3	47.5	27.4	29.8
65°	497.2	320.7	199.0	149.9	121.7	103.1	126.5	95.9	88.6	44.3	31.4
55°	3133.0	2924.3	2771.2	2576.2	2512.6	2332.9	1887.2	768.0	141.0	71.7	33.8
47.5°	7830.2	7479.7	7084.0	6640.8	6258.8	5730.2	4694.7	2054.0	169.2	92.7	36.3
42.5°	9367.7	8968.8	8729.5	8406.4	8048.6	7930.1	7141.2	3537.6	174.1	105.6	37.1
37.5°	13516.1	13069.7	12454.8	11980.2	11604.7	11550.7	10072.0	4993.7	277.2	121.7	38.7
33°	18000.5	17346.2	16498.4	15766.0	15127.7	14554.8	12341.2	6166.2	645.5	140.2	39.5
29°	19093.2	18369.6	17716.0	16955.3	16368.7	15554.8	13558.0	7118.7	949.3	160.4	40.3
25.5°	18415.5	17873.2	17237.4	16639.5	16200.3	15632.2	14083.4	7651.3	1195.0	178.9	41.1
22.5°	17415.5	16939.2	16410.6	16030.3	15791.7	15352.6	14043.1	7946.2	1390.9	195.0	41.9
19.5°	16537.1	16205.1	15778.0	15542.7	15439.6	14911.8	13637.8	8242.0	1567.3	211.9	42.7
17°	15929.5	15643.5	15361.4	15250.2	15147.1	14465.4	13268.7	8449.1	1711.6	220.8	43.5
15°	15574.2	15367.1	15164.8	15085.0	14890.8	14072.9	13022.9	8586.9	1812.3	228.0	44.3
13°	15404.1	15268.0	15087.4	14936.0	14604.8	13718.4	12841.6	8748.8	1894.5	234.5	44.3
11°	15310.7	15184.1	14942.4	14718.4	14252.6	13404.9	12734.4	8888.2	1962.2	237.7	45.1
9°	15257.5	15105.2	14810.2	14415.4	13964.9	13132.5	12670.8	8989.0	2018.6	239.3	45.9
7°	15274.4	15024.6	14640.2	14186.5	13703.0	12964.9	12615.2	9062.3	2057.3	238.5	46.7
5°	15268.8	14943.2	14500.8	14035.8	13500.8	12808.6	12572.5	9120.3	2075.0	236.1	47.5
3°	15238.9	14902.9	14375.9	13815.9	13320.3	12683.7	12553.1	9157.4	2091.1	233.7	47.5
1°	15191.4	14805.4	14215.5	13691.8	13193.8	12566.0	12532.2	9172.7	2087.1	231.3	47.5
0°	15143.9	14758.7	14163.2	13627.3	13135.7	12502.4	12501.6	9211.4	2079.8	229.7	47.5
-1°	15066.5	14657.9	14071.3	13531.4	13060.0	12513.6	12503.2	9176.7	2071.8	227.2	48.3
-3°	14854.6	14472.6	13919.8	13388.0	12921.4	12431.4	12475.8	9142.9	2057.3	224.8	49.2
-5°	14614.4	14244.6	13749.0	13221.2	12761.0	12308.2	12412.9	9047.8	2023.4	223.2	49.2
-7°	14309.0	14031.0	13501.6	12989.1	12553.1	12132.5	12294.5	8955.9	1986.4	221.6	50.0
-9°	13996.4	13705.5	13234.1	12724.0	12323.5	11986.6	12132.5	8813.3	1937.2	220.0	50.0
-11°	13677.3	13377.5	12906.9	12433.1	12051.1	11757.8	11961.7	8653.7	1882.4	220.0	50.8
-13°	13295.3	13021.3	12594.2	12167.9	11801.3	11584.5	11777.9	8452.3	1815.5	220.8	50.8
-15°	13001.2	12708.7	12299.3	11900.4	11567.6	11406.4	11563.6	8195.2	1751.9	222.4	51.6
-17°	12650.6	12397.6	12023.7	11651.4	11350.8	11234.8	11349.2	7935.0	1669.7	223.2	51.6
-19.5°	11966.5	11736.0	11499.1	11254.1	11056.7	11019.6	11075.2	7593.3	1558.5	224.8	51.6
-22.5°	11506.4	11272.7	11014.8	10824.6	10689.3	10816.6	10746.5	7119.5	1400.5	227.2	51.6
-25.5°	11129.2	10914.1	10656.2	10473.3	10395.9	10674.8	10444.3	6607.0	1224.0	227.2	51.6
-29°	10547.4	10359.7	10128.4	9955.2	9913.2	10347.6	9858.5	6014.7	1016.1	224.0	51.6
-33°	9910.0	9698.9	9465.2	9280.7	9202.5	9787.5	8892.3	5304.7	756.7	215.2	51.6
-37.5°	9503.9	9267.8	9006.7	8716.6	8540.1	8619.9	7600.5	4286.2	440.0	199.8	50.8
-42.5°	8521.6	8376.5	8055.0	7741.6	7279.0	6725.4	5667.4	3074.2	336.0	181.3	50.8
-47.5°	5634.3	5528.0	5424.8	5227.4	4786.6	4211.2	3539.2	1702.7	319.9	158.7	50.0
-55°	1556.9	1578.6	1672.1	1557.7	1361.8	1193.4	1158.0	519.8	294.1	121.7	47.5
-65°	977.5	991.2	808.2	572.1	386.8	295.7	299.8	199.0	195.8	70.9	44.3
-75°	119.3	120.1	100.7	95.9	96.7	110.4	115.2	95.9	77.4	40.3	41.1
-85°	54.0	53.2	51.6	50.0	49.2	46.7	43.5	39.5	36.3	37.1	37.1
-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)