

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: P507822

Luminaire Tested: **UFLD-L-CA4-270-740-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507822
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-CA4-270-740-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:	40305 lumens	Max Intensity:	21509.7 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	151.9 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:	29946.6 lumens	Field Lumens:	38950.1 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%

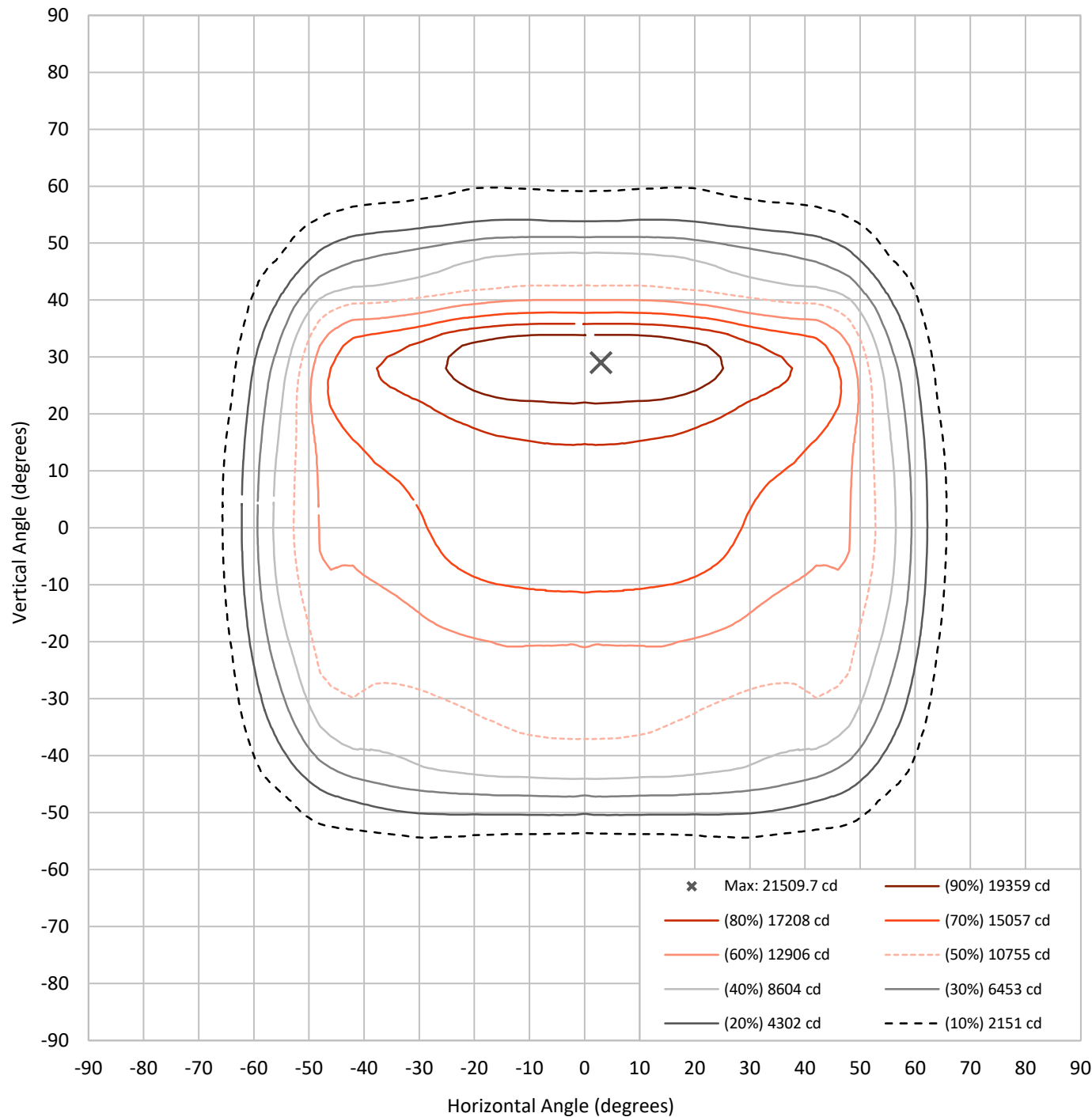
Input Watts (W): 265.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT





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Iso-Candela Plot

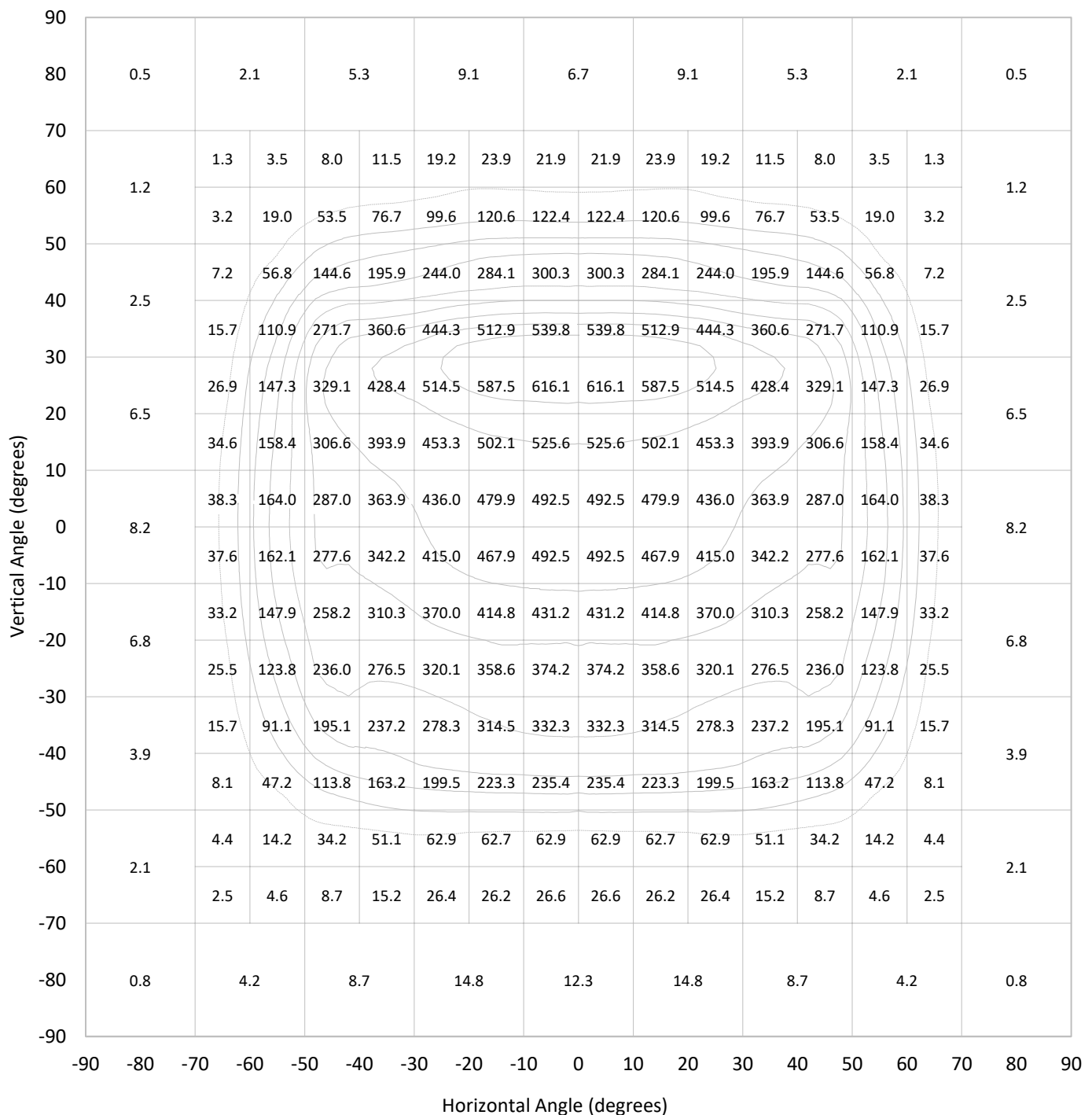




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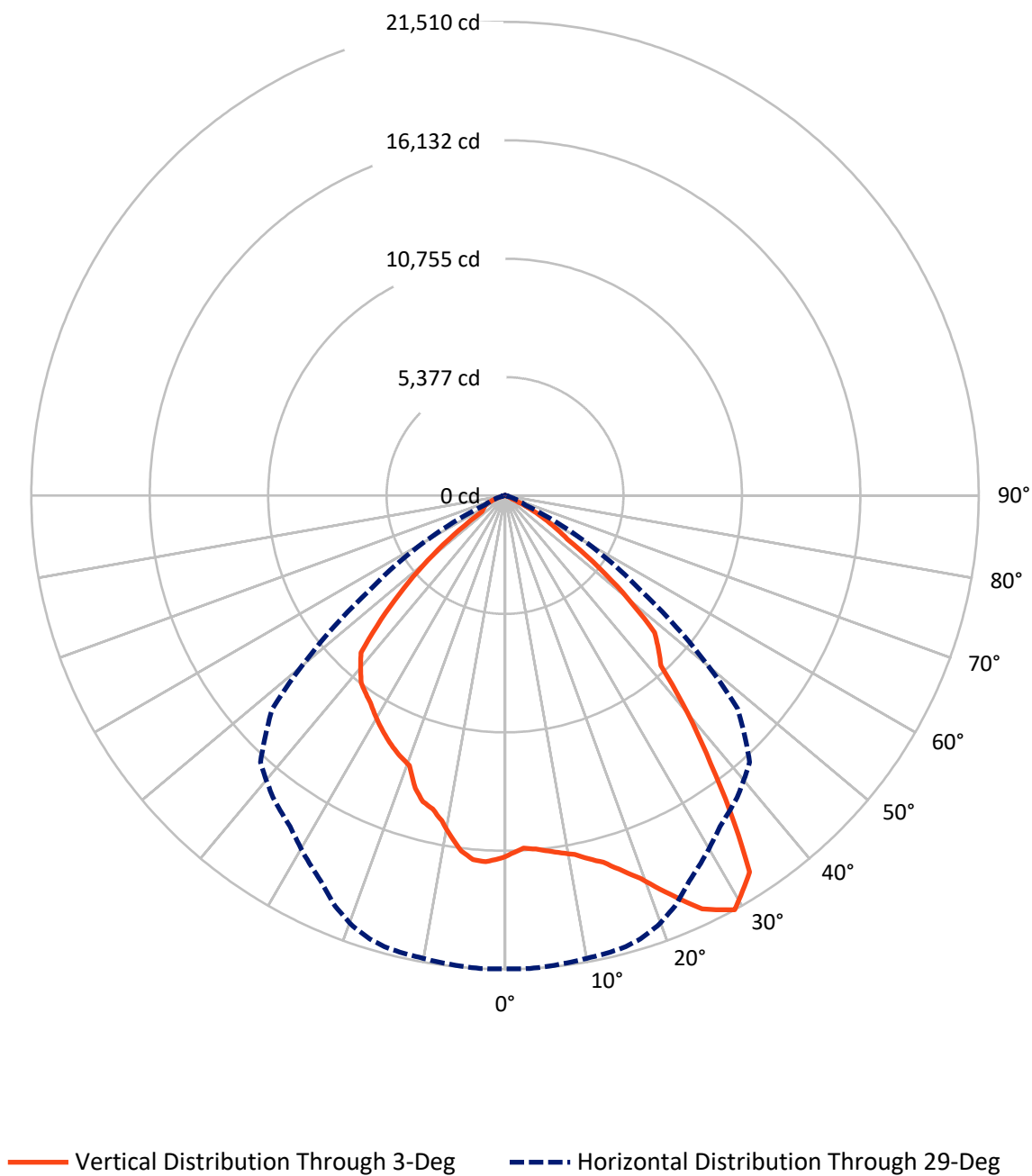
Lumen Table



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Luminous Intensity Polar Plot

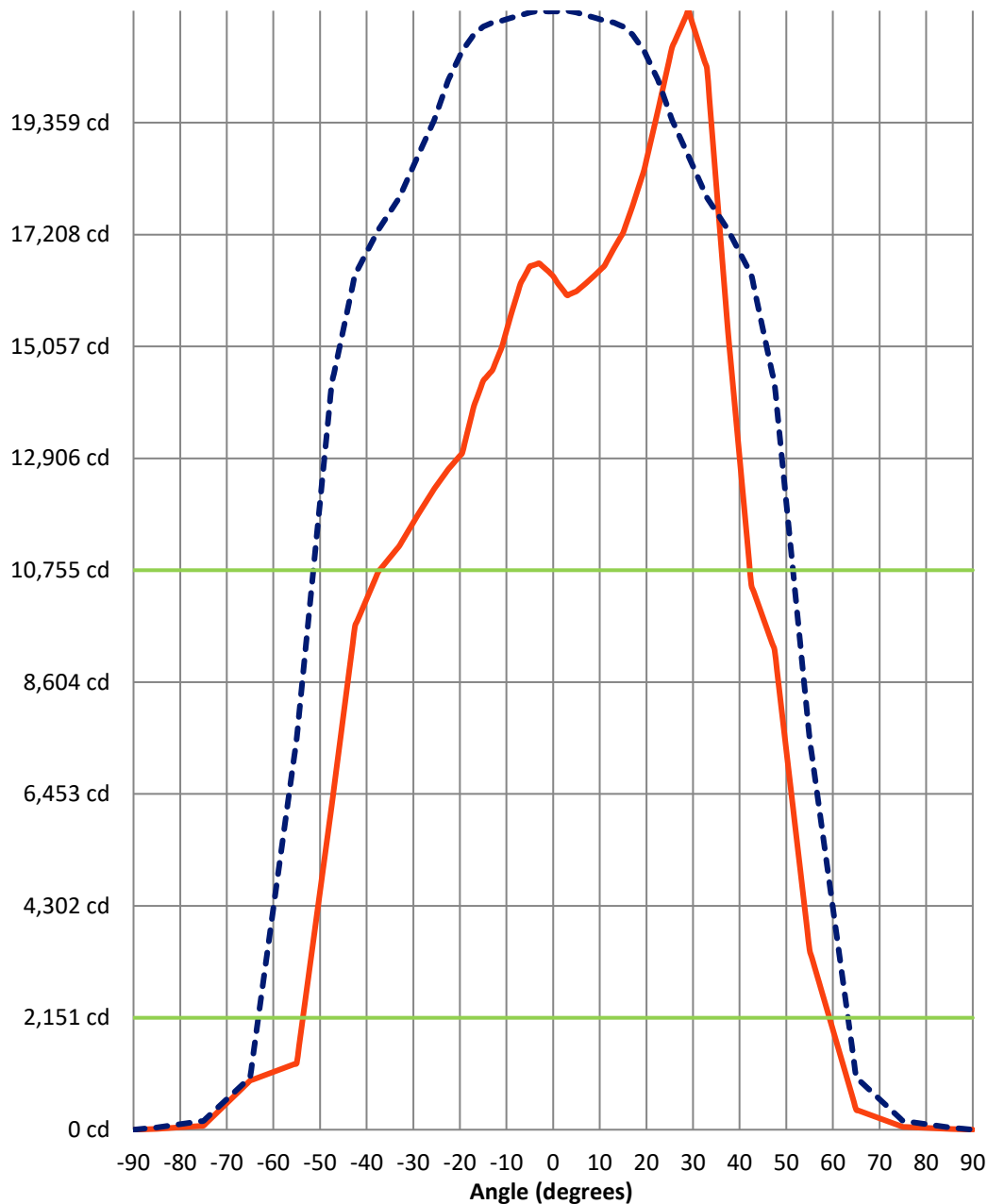




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Luminous Intensity Plot



Beam:
H Angle: 102.9°
V Angle: 79.4°
Lumens: 29946.6
Efficiency: 74.3%

Field:
H Angle: 126.5°
V Angle: 112.9°
Lumens: 38950.1
Efficiency: 96.6%

Spill:
Lumens: 1354.9
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°	0.9	6.8	14.5	34.1	44.3	51.9	57.1	59.6	60.5	60.5	57.9
75°	50.2	51.1	54.5	49.4	39.2	42.6	62.2	70.7	78.3	80.9	76.6
65°	388.3	385.7	383.2	380.6	369.6	353.4	347.4	381.5	468.3	558.6	602.9
55°	3389.0	3377.0	3457.1	3400.9	3511.6	3618.0	3656.3	3667.4	3680.2	3615.5	3527.8
47.5°	9187.7	9267.7	9217.5	9210.7	9152.8	9062.5	9008.0	8919.5	8842.0	8825.8	8561.0
42.5°	10542.4	10506.7	10473.4	10547.5	10504.9	10540.7	10536.5	10446.2	10383.2	10253.8	10124.3
37.5°	15279.3	15305.7	15338.9	15345.7	15366.2	15280.2	15220.6	15157.5	15036.6	14830.6	14535.1
33°	20400.2	20447.1	20390.9	20387.5	20432.6	20412.1	20324.4	20242.7	20063.0	19821.2	19547.0
29°	21497.8	21495.3	21509.7	21475.7	21423.7	21373.5	21319.0	21282.4	21204.0	21053.3	20739.1
25.5°	20767.2	20779.1	20803.8	20784.3	20718.7	20682.1	20635.2	20571.4	20435.1	20273.4	20006.0
22.5°	19543.6	19637.3	19600.7	19576.0	19519.8	19430.4	19448.2	19387.8	19282.2	19117.0	18836.0
19.5°	18407.7	18454.5	18445.2	18377.1	18342.2	18268.9	18234.9	18190.6	18101.2	17999.0	17807.4
17°	17680.5	17767.4	17748.7	17706.9	17652.4	17603.9	17542.6	17505.1	17431.9	17319.5	17087.0
15°	17248.8	17288.0	17242.0	17233.5	17241.2	17144.9	17105.8	17010.4	16987.4	16892.9	16687.7
13°	16884.4	16904.0	16934.6	16886.1	16877.6	16843.5	16761.8	16721.7	16641.7	16603.4	16455.2
11°	16598.3	16732.0	16605.9	16640.9	16601.7	16596.6	16550.6	16528.5	16468.9	16410.1	16319.0
9°	16449.3	16472.3	16432.2	16430.5	16412.7	16380.3	16369.2	16367.5	16355.6	16323.2	16267.0
7°	16267.0	16286.6	16267.9	16249.2	16235.5	16221.9	16260.2	16273.0	16328.4	16282.4	16228.7
5°	16142.7	16124.0	16117.2	16113.8	16147.8	16147.8	16222.8	16265.3	16317.3	16331.8	16261.9
3°	16036.3	16059.3	16038.8	16063.5	16130.8	16166.6	16267.0	16329.2	16363.3	16364.1	16336.0
1°	16201.5	16257.7	16268.7	16285.8	16310.5	16332.6	16407.5	16462.9	16426.3	16428.0	16313.9
0°	16356.5	16378.6	16407.5	16388.0	16420.3	16439.9	16493.5	16504.6	16490.1	16425.4	16272.2
-1°	16519.1	16514.0	16497.8	16494.4	16502.1	16479.1	16508.9	16472.3	16428.8	16370.9	16227.0
-3°	16635.7	16678.3	16655.3	16628.9	16545.5	16545.5	16512.3	16376.0	16317.3	16256.8	16054.2
-5°	16537.8	16592.3	16595.7	16511.4	16382.0	16347.9	16242.4	16160.6	16058.4	15959.7	15755.3
-7°	16319.8	16290.9	16265.3	16156.4	16071.2	15991.2	15850.7	15708.5	15682.1	15588.4	15408.7
-9°	15718.7	15739.1	15678.7	15649.7	15556.0	15452.2	15411.3	15310.0	15256.3	15172.9	15007.7
-11°	15121.8	15040.0	15046.0	15066.4	15000.0	15000.9	14956.6	14895.3	14887.6	14808.4	14668.8
-13°	14650.9	14644.9	14604.9	14639.0	14626.2	14627.9	14586.2	14578.5	14564.0	14509.6	14321.4
-15°	14340.1	14390.3	14395.5	14366.5	14373.3	14357.1	14341.8	14305.2	14294.1	14208.1	14011.4
-17°	13888.0	13905.0	13909.2	13906.7	13885.4	13902.4	13921.2	13906.7	13853.0	13787.5	13629.1
-19.5°	13051.8	12983.7	13007.5	13031.3	13038.2	13037.3	13064.6	13110.5	13068.0	12982.0	12850.8
-22.5°	12753.8	12739.3	12695.0	12709.5	12702.7	12681.4	12681.4	12684.8	12660.1	12569.8	12391.0
-25.5°	12306.7	12327.2	12320.3	12311.0	12309.3	12271.0	12272.7	12278.6	12230.1	12130.5	11969.5
-29°	11813.7	11827.3	11822.2	11799.2	11767.7	11698.8	11669.8	11605.1	11519.1	11463.7	11333.5
-33°	11252.6	11218.5	11220.2	11216.8	11175.1	11135.1	11086.5	11005.6	10917.1	10848.1	10710.2
-37.5°	10723.8	10743.4	10725.5	10731.4	10707.6	10667.6	10624.2	10562.9	10476.0	10376.4	10239.3
-42.5°	9713.9	9699.4	9677.3	9628.8	9609.2	9516.4	9459.3	9461.0	9441.4	9365.6	9235.4
-47.5°	6030.3	6190.4	6227.0	6195.5	6164.9	6152.1	6087.4	6082.3	6087.4	6046.5	5946.0
-55°	1245.7	1241.5	1277.2	1302.8	1355.6	1376.0	1386.2	1348.8	1390.5	1476.5	1518.2
-65°	959.6	956.2	942.6	941.8	929.0	923.9	923.0	914.5	920.5	946.0	975.0
-75°	74.9	74.9	75.8	67.3	62.2	69.8	91.1	97.9	108.1	103.9	115.8
-85°	2.6	7.7	15.3	35.8	46.0	52.8	57.9	60.5	60.5	59.6	58.8
-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°	53.6	50.2	47.7	44.3	38.3	32.4	28.1	23.8	27.2	23.8	29.0
75°	69.0	69.8	87.7	109.8	98.8	66.4	46.0	38.3	50.2	29.0	31.5
65°	525.4	338.9	210.3	158.4	128.6	109.0	133.7	101.3	93.7	46.8	33.2
55°	3310.6	3090.1	2928.3	2722.2	2655.0	2465.1	1994.2	811.5	149.0	75.8	35.8
47.5°	8274.0	7903.6	7485.5	7017.2	6613.6	6055.0	4960.8	2170.5	178.8	97.9	38.3
42.5°	9898.7	9477.2	9224.3	8882.8	8504.8	8379.6	7546.0	3738.1	183.9	111.5	39.2
37.5°	14282.2	13810.5	13160.8	12659.2	12262.4	12205.4	10642.9	5276.7	292.9	128.6	40.9
33°	19020.8	18329.4	17433.6	16659.6	15985.2	15379.8	13040.7	6515.7	682.1	148.2	41.7
29°	20175.4	19410.8	18720.2	17916.4	17296.5	16436.5	14326.5	7522.1	1003.1	169.4	42.6
25.5°	19459.3	18886.3	18214.4	17582.6	17118.5	16518.2	14881.7	8085.0	1262.8	189.0	43.4
22.5°	18402.6	17899.4	17340.8	16938.9	16686.8	16222.8	14839.1	8396.6	1469.7	206.1	44.3
19.5°	17474.5	17123.7	16672.4	16423.7	16314.7	15757.0	14410.8	8709.1	1656.2	223.9	45.1
17°	16832.4	16530.2	16232.1	16114.6	16005.6	15285.3	14020.8	8928.0	1808.6	233.3	46.0
15°	16456.9	16238.1	16024.4	15940.1	15734.9	14870.6	13761.1	9073.6	1915.0	241.0	46.8
13°	16277.3	16133.4	15942.6	15782.5	15432.6	14495.9	13569.5	9244.7	2001.9	247.8	46.8
11°	16178.5	16044.8	15789.4	15552.6	15060.5	14164.7	13456.2	9392.0	2073.4	251.2	47.7
9°	16122.3	15961.4	15649.7	15232.5	14756.5	13876.9	13389.0	9498.5	2133.0	252.9	48.5
7°	16140.2	15876.2	15470.0	14990.6	14479.7	13699.8	13330.2	9576.0	2173.9	252.0	49.4
5°	16134.2	15790.2	15322.7	14831.4	14266.0	13534.6	13285.1	9637.3	2192.6	249.5	50.2
3°	16102.7	15747.6	15190.8	14599.0	14075.3	13402.6	13264.7	9676.4	2209.6	246.9	50.2
1°	16052.5	15644.6	15021.3	14467.8	13941.6	13278.3	13242.5	9692.6	2205.4	244.4	50.2
0°	16002.2	15595.2	14966.0	14399.7	13880.3	13211.0	13210.2	9733.5	2197.7	242.7	50.2
-1°	15920.5	15488.8	14868.9	14298.4	13800.3	13222.9	13211.9	9696.9	2189.2	240.1	51.1
-3°	15696.5	15292.9	14708.8	14146.8	13653.8	13136.1	13182.9	9661.1	2173.9	237.6	51.9
-5°	15442.8	15052.0	14528.3	13970.6	13484.3	13005.8	13116.5	9560.6	2138.1	235.9	51.9
-7°	15120.1	14826.3	14266.9	13725.3	13264.7	12820.2	12991.3	9463.6	2098.9	234.2	52.8
-9°	14789.7	14482.3	13984.2	13445.2	13022.0	12666.1	12820.2	9312.8	2047.0	232.5	52.8
-11°	14452.5	14135.7	13638.5	13137.8	12734.2	12424.2	12639.7	9144.3	1989.1	232.5	53.6
-13°	14048.9	13759.4	13308.1	12857.6	12470.2	12241.2	12445.5	8931.4	1918.4	233.3	53.6
-15°	13738.1	13429.0	12996.4	12574.9	12223.3	12053.0	12219.0	8659.7	1851.2	235.0	54.5
-17°	13367.7	13100.3	12705.2	12311.8	11994.2	11871.6	11992.5	8384.7	1764.3	235.9	54.5
-19.5°	12644.8	12401.2	12150.9	11892.0	11683.4	11644.3	11703.0	8023.7	1646.8	237.6	54.5
-22.5°	12158.6	11911.6	11639.1	11438.2	11295.1	11429.7	11355.6	7523.0	1479.9	240.1	54.5
-25.5°	11760.1	11532.7	11260.2	11066.9	10985.2	11279.8	11036.3	6981.4	1293.4	240.1	54.5
-29°	11145.3	10946.9	10702.5	10519.4	10475.1	10934.1	10417.2	6355.6	1073.7	236.7	54.5
-33°	10471.7	10248.6	10001.7	9806.7	9724.1	10342.3	9396.3	5605.4	799.6	227.4	54.5
-37.5°	10042.6	9793.1	9517.2	9210.7	9024.2	9108.5	8031.3	4529.1	464.9	211.2	53.6
-42.5°	9004.6	8851.3	8511.6	8180.4	7691.6	7106.6	5988.6	3248.5	355.1	191.6	53.6
-47.5°	5953.7	5841.3	5732.3	5523.7	5057.9	4449.9	3739.8	1799.2	338.0	167.7	52.8
-55°	1645.1	1668.1	1766.9	1645.9	1439.0	1261.1	1223.6	549.2	310.8	128.6	50.2
-65°	1032.9	1047.3	854.1	604.6	408.7	312.5	316.8	210.3	206.9	74.9	46.8
-75°	126.0	126.9	106.4	101.3	102.2	116.7	121.8	101.3	81.7	42.6	43.4
-85°	57.1	56.2	54.5	52.8	51.9	49.4	46.0	41.7	38.3	39.2	39.2
-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)