

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: P507824

Luminaire Tested: **UFLD-L-CA4-270-760-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507824
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-CA4-270-760-U-66
Description: UTILITY FLOOD LARGE, 6x6 OPTIC
Light Source: (4) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	40174 lumens	Max Intensity:	21439.8 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	151.4 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:	29849.3 lumens	Field Lumens:	38823.5 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%

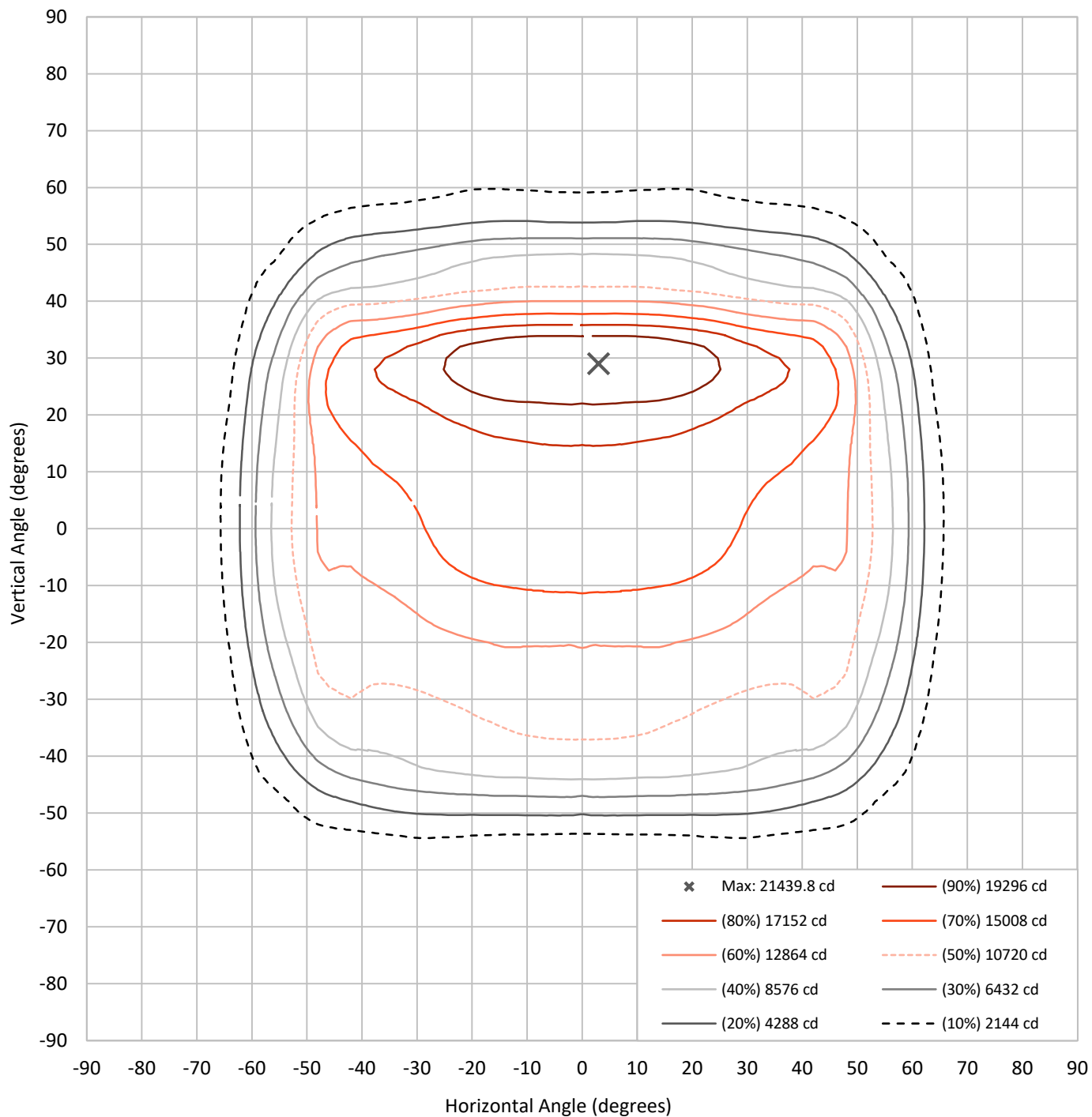
Input Watts (W): 265.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Candela Plot

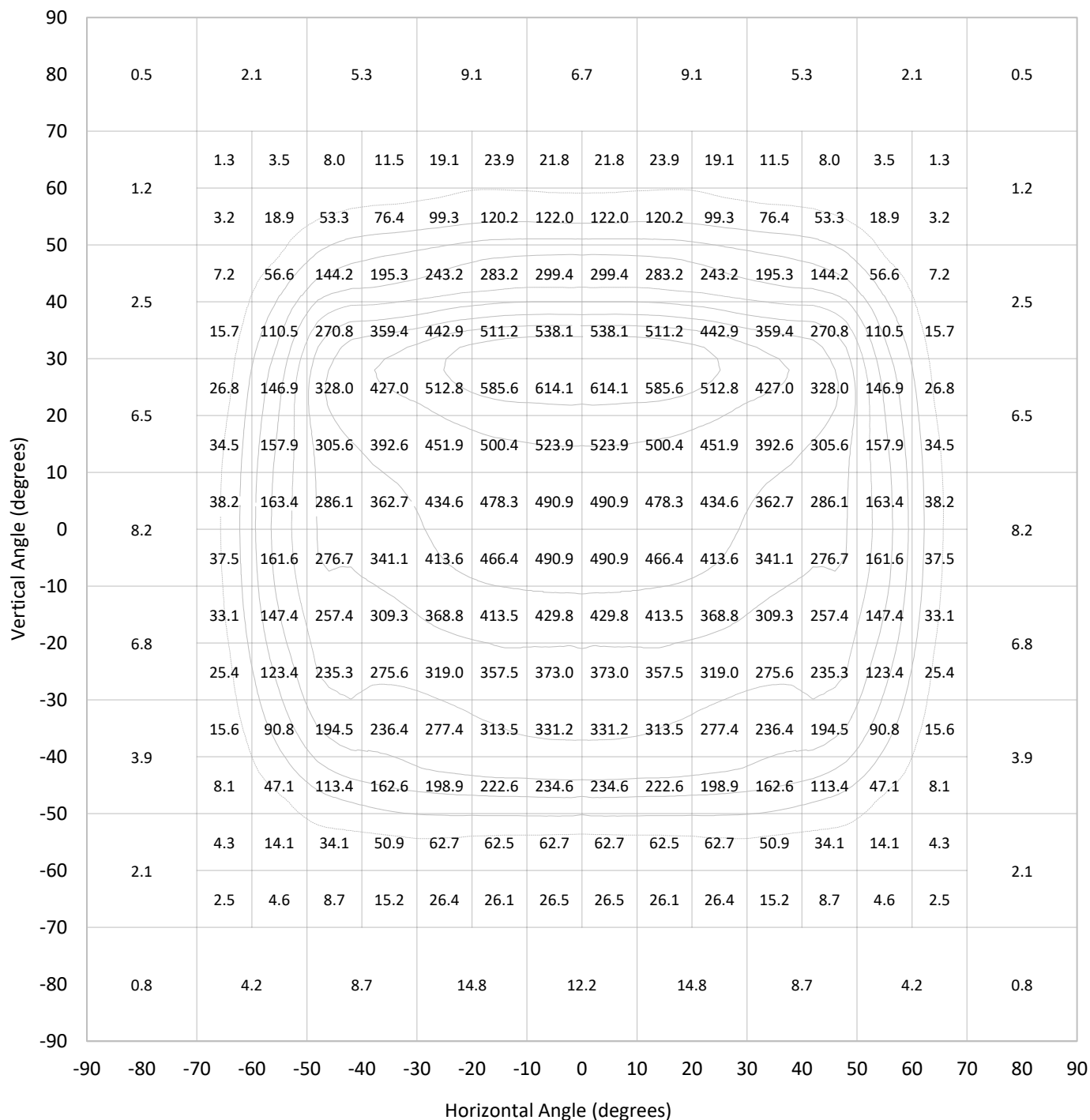




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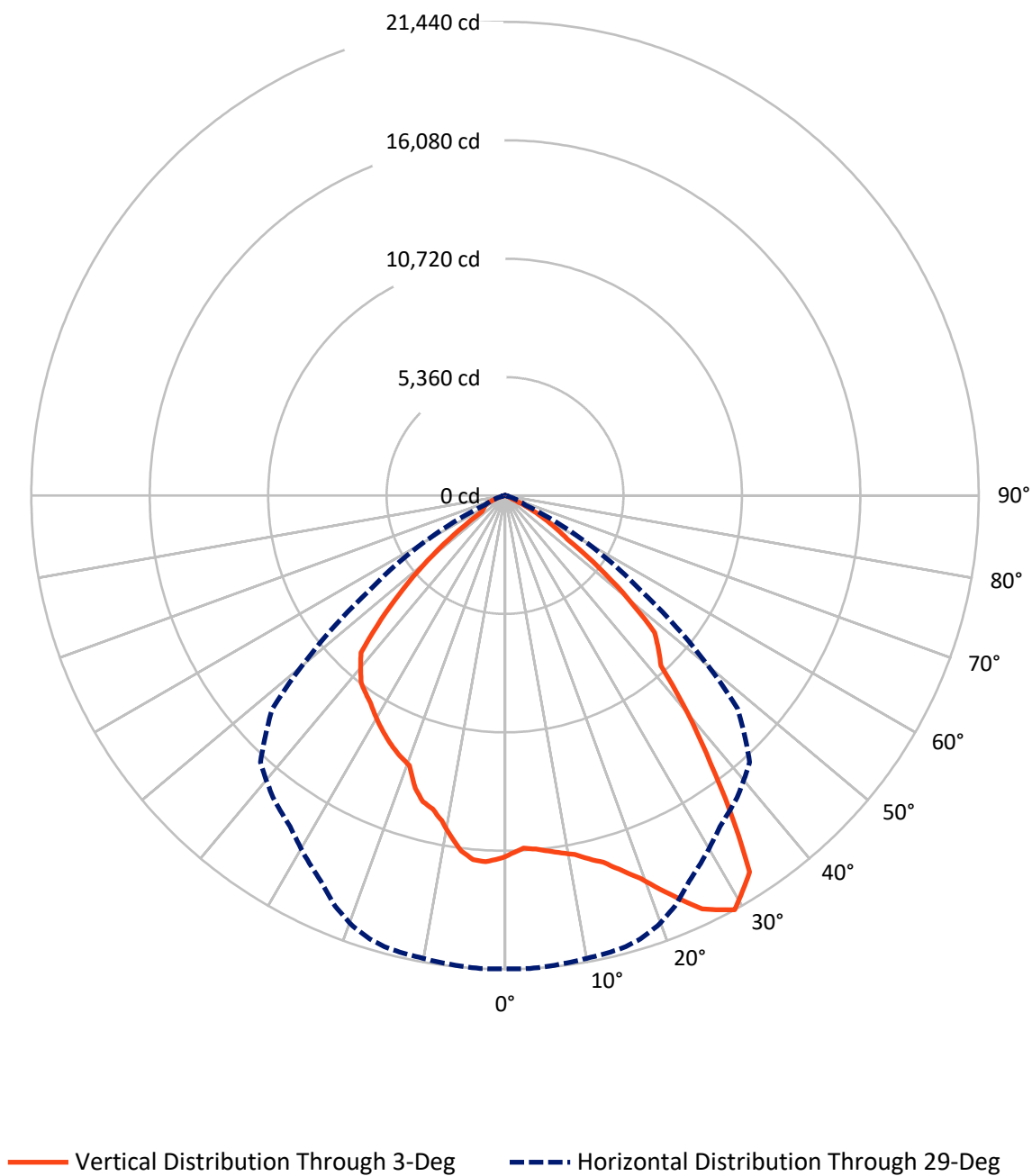
Lumen Table



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Luminous Intensity Polar Plot

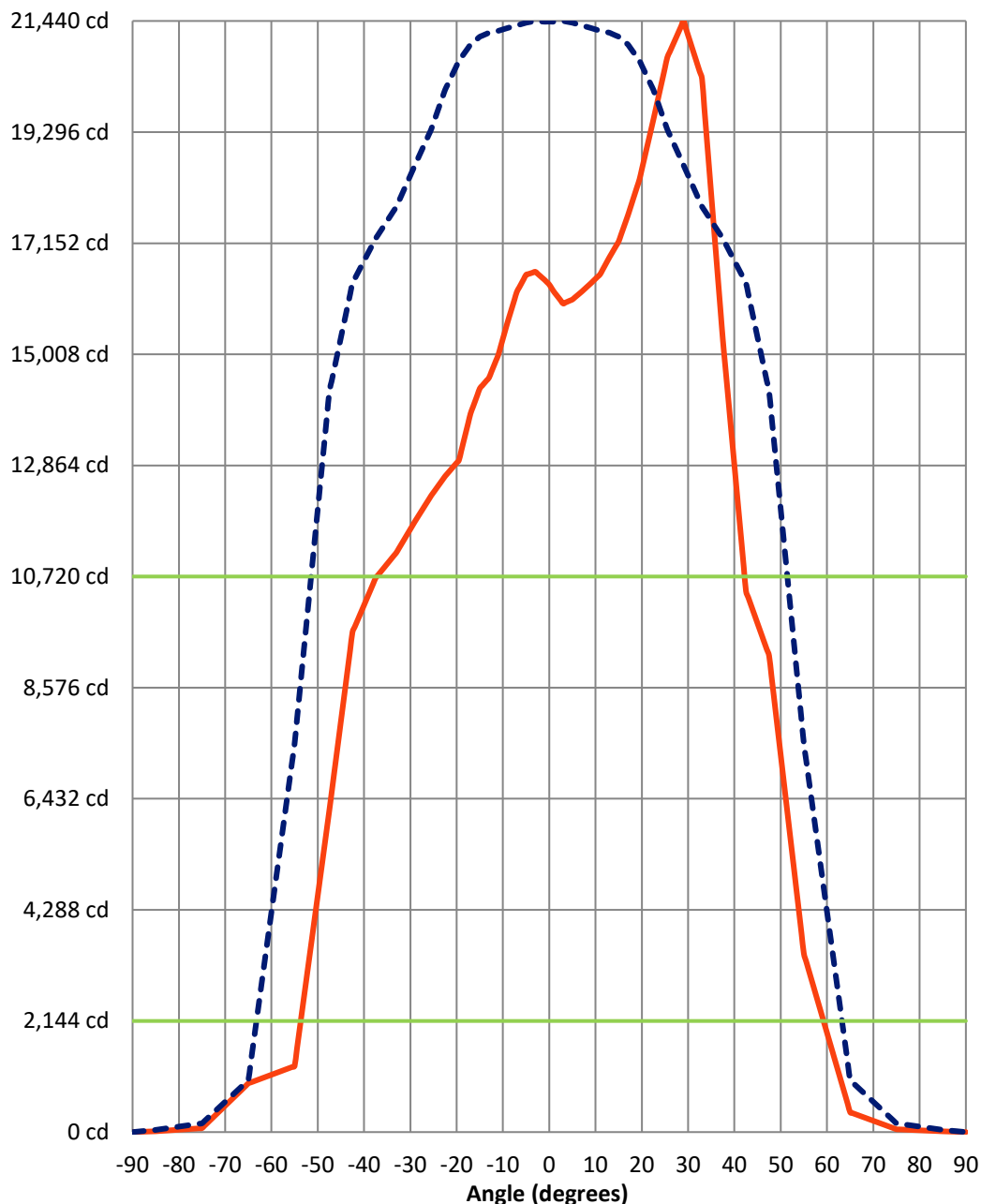




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Luminous Intensity Plot



Beam:

H Angle: 102.9°
V Angle: 79.4°
Lumens: 29849.3
Efficiency: 74.3%

Field:

H Angle: 126.5°
V Angle: 112.9°
Lumens: 38823.5
Efficiency: 96.6%

Spill:

Lumens: 1350.5
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	6.8	14.4	33.9	44.1	51.8	56.9	59.4	60.3	60.3	57.7
75°	50.1	50.9	54.3	49.2	39.0	42.4	62.0	70.4	78.1	80.6	76.4
65°	387.0	384.5	381.9	379.4	368.3	352.2	346.3	380.2	466.8	556.8	600.9
55°	3378.0	3366.1	3445.9	3389.8	3500.2	3606.3	3644.5	3655.5	3668.2	3603.7	3516.3
47.5°	9157.8	9237.6	9187.5	9180.7	9123.0	9033.1	8978.7	8890.5	8813.2	8797.1	8533.2
42.5°	10508.1	10472.5	10439.4	10513.2	10470.8	10506.5	10502.2	10412.2	10349.4	10220.4	10091.4
37.5°	15229.6	15256.0	15289.1	15295.8	15316.2	15230.5	15171.1	15108.3	14987.8	14782.4	14487.9
33°	20333.9	20380.6	20324.6	20321.2	20366.2	20345.8	20258.4	20176.9	19997.8	19756.8	19483.5
29°	21427.9	21425.4	21439.8	21405.9	21354.1	21304.0	21249.7	21213.2	21135.1	20984.9	20671.7
25.5°	20699.7	20711.6	20736.2	20716.7	20651.3	20614.8	20568.2	20504.5	20368.7	20207.5	19941.0
22.5°	19480.1	19573.5	19537.0	19512.3	19456.3	19367.2	19385.0	19324.8	19219.5	19054.9	18774.8
19.5°	18347.9	18394.6	18385.2	18317.3	18282.5	18209.5	18175.6	18131.5	18042.3	17940.5	17749.5
17°	17623.1	17709.6	17691.0	17649.4	17595.1	17546.7	17485.6	17448.2	17375.2	17263.2	17031.5
15°	17192.8	17231.8	17186.0	17177.5	17185.1	17089.2	17050.2	16955.1	16932.2	16838.0	16633.4
13°	16829.5	16849.0	16879.6	16831.2	16822.7	16788.8	16707.3	16667.4	16587.6	16549.4	16401.7
11°	16544.3	16677.6	16552.0	16586.8	16547.7	16542.6	16496.8	16474.7	16415.3	16356.8	16265.9
9°	16395.8	16418.7	16378.8	16377.1	16359.3	16327.1	16316.0	16314.3	16302.4	16270.2	16214.2
7°	16214.2	16233.7	16215.0	16196.4	16182.8	16169.2	16207.4	16220.1	16275.3	16229.5	16176.0
5°	16090.3	16071.6	16064.8	16061.4	16095.4	16095.4	16170.0	16212.5	16264.2	16278.7	16209.1
3°	15984.2	16007.1	15986.7	16011.3	16078.4	16114.0	16214.2	16276.1	16310.1	16310.9	16282.9
1°	16148.8	16204.8	16215.9	16232.8	16257.5	16279.5	16354.2	16409.4	16372.9	16374.6	16260.9
0°	16303.3	16325.4	16354.2	16334.7	16366.9	16386.5	16439.9	16451.0	16436.5	16372.0	16219.3
-1°	16465.4	16460.3	16444.2	16440.8	16448.4	16425.5	16455.2	16418.7	16375.4	16317.7	16174.3
-3°	16581.7	16624.1	16601.2	16574.9	16491.7	16491.7	16458.6	16322.8	16264.2	16204.0	16002.0
-5°	16484.1	16538.4	16541.8	16457.8	16328.8	16294.8	16189.6	16108.1	16006.2	15907.8	15704.1
-7°	16266.8	16237.9	16212.5	16103.8	16019.0	15939.2	15799.1	15657.4	15631.1	15537.7	15358.7
-9°	15667.6	15688.0	15627.7	15598.8	15505.5	15401.9	15361.2	15260.2	15206.7	15123.6	14958.9
-11°	15072.6	14991.2	14997.1	15017.5	14951.3	14952.1	14908.0	14846.9	14839.2	14760.3	14621.1
-13°	14603.3	14597.3	14557.4	14591.4	14578.7	14580.4	14538.8	14531.1	14516.7	14462.4	14274.8
-15°	14293.5	14343.6	14348.7	14319.8	14326.6	14310.5	14295.2	14258.7	14247.7	14161.9	13965.9
-17°	13842.8	13859.8	13864.0	13861.5	13840.3	13857.2	13875.9	13861.5	13808.0	13742.7	13584.8
-19.5°	13009.4	12941.5	12965.2	12989.0	12995.8	12994.9	13022.1	13067.9	13025.5	12939.8	12809.1
-22.5°	12712.3	12697.9	12653.7	12668.2	12661.4	12640.2	12640.2	12643.6	12618.9	12529.0	12350.7
-25.5°	12266.7	12287.1	12280.3	12271.0	12269.3	12231.1	12232.8	12238.7	12190.3	12091.0	11930.6
-29°	11775.3	11788.9	11783.8	11760.9	11729.5	11660.7	11631.9	11567.4	11481.6	11426.5	11296.6
-33°	11216.0	11182.0	11183.7	11180.3	11138.8	11098.9	11050.5	10969.9	10881.6	10812.8	10675.3
-37.5°	10688.9	10708.5	10690.6	10696.6	10672.8	10632.9	10589.6	10528.5	10441.9	10342.6	10206.0
-42.5°	9682.3	9667.9	9645.8	9597.5	9577.9	9485.4	9428.6	9430.3	9410.7	9335.2	9205.3
-47.5°	6010.7	6170.3	6206.8	6175.4	6144.8	6132.1	6067.6	6062.5	6067.6	6026.8	5926.7
-55°	1241.7	1237.5	1273.1	1298.6	1351.2	1371.6	1381.7	1344.4	1386.0	1471.7	1513.3
-65°	956.5	953.1	939.5	938.7	926.0	920.9	920.0	911.5	917.5	942.9	971.8
-75°	74.7	74.7	75.5	67.0	62.0	69.6	90.8	97.6	107.8	103.5	115.4
-85°	2.5	7.6	15.3	35.6	45.8	52.6	57.7	60.3	60.3	59.4	58.6
-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°	53.5	50.1	47.5	44.1	38.2	32.3	28.0	23.8	27.2	23.8	28.9
75°	68.7	69.6	87.4	109.5	98.5	66.2	45.8	38.2	50.1	28.9	31.4
65°	523.7	337.8	209.6	157.9	128.2	108.6	133.3	101.0	93.4	46.7	33.1
55°	3299.9	3080.0	2918.8	2713.4	2646.3	2457.1	1987.7	808.8	148.5	75.5	35.6
47.5°	8247.1	7877.9	7461.2	6994.4	6592.1	6035.3	4944.7	2163.4	178.2	97.6	38.2
42.5°	9866.5	9446.4	9194.3	8854.0	8477.1	8352.4	7521.5	3725.9	183.3	111.2	39.0
37.5°	14235.8	13765.6	13118.0	12618.1	12222.6	12165.7	10608.3	5259.6	292.0	128.2	40.7
33°	18959.0	18269.8	17376.9	16605.4	15933.2	15329.8	12998.3	6494.5	679.8	147.7	41.6
29°	20109.9	19347.7	18659.4	17858.2	17240.3	16383.1	14279.9	7497.7	999.8	168.9	42.4
25.5°	19396.1	18824.9	18155.2	17525.5	17062.9	16464.6	14833.3	8058.7	1258.7	188.4	43.3
22.5°	18342.8	17841.2	17284.4	16883.8	16632.6	16170.0	14790.9	8369.3	1464.9	205.4	44.1
19.5°	17417.7	17068.0	16618.2	16370.3	16261.7	15705.8	14363.9	8680.8	1650.8	223.2	45.0
17°	16777.7	16476.4	16179.4	16062.3	15953.6	15235.6	13975.2	8899.0	1802.7	232.6	45.8
15°	16403.4	16185.3	15972.3	15888.3	15683.7	14822.3	13716.4	9044.1	1908.8	240.2	46.7
13°	16224.4	16080.9	15890.8	15731.2	15382.4	14448.8	13525.4	9214.7	1995.4	247.0	46.7
11°	16125.9	15992.7	15738.0	15502.1	15011.5	14118.7	13412.5	9361.5	2066.7	250.4	47.5
9°	16069.9	15909.5	15598.8	15183.0	14708.5	13831.8	13345.5	9467.6	2126.1	252.1	48.4
7°	16087.7	15824.6	15419.8	14941.9	14432.7	13655.2	13286.9	9544.8	2166.8	251.2	49.2
5°	16081.8	15738.9	15272.9	14783.2	14219.7	13490.6	13241.9	9605.9	2185.5	248.7	50.1
3°	16050.4	15696.4	15141.4	14551.5	14029.5	13359.0	13221.5	9645.0	2202.5	246.1	50.1
1°	16000.3	15593.8	14972.5	14420.8	13896.3	13235.1	13199.5	9661.1	2198.2	243.6	50.1
0°	15950.2	15544.5	14917.3	14352.9	13835.2	13168.1	13167.2	9701.9	2190.6	241.9	50.1
-1°	15868.7	15438.4	14820.6	14251.9	13755.4	13180.0	13168.9	9665.4	2182.1	239.3	50.9
-3°	15645.5	15243.2	14661.0	14100.8	13609.4	13093.4	13140.1	9629.7	2166.8	236.8	51.8
-5°	15392.6	15003.0	14481.1	13925.1	13440.5	12963.5	13073.9	9529.6	2131.2	235.1	51.8
-7°	15070.9	14778.1	14220.5	13680.7	13221.5	12778.5	12949.1	9432.8	2092.1	233.4	52.6
-9°	14741.6	14435.2	13938.7	13401.5	12979.7	12624.9	12778.5	9282.6	2040.4	231.7	52.6
-11°	14405.5	14089.8	13594.1	13095.1	12692.8	12383.8	12598.6	9114.5	1982.6	231.7	53.5
-13°	14003.2	13714.7	13264.8	12815.9	12429.7	12201.4	12405.1	8902.3	1912.2	232.6	53.5
-15°	13693.4	13385.4	12954.2	12534.1	12183.5	12013.8	12179.3	8631.6	1845.1	234.3	54.3
-17°	13324.2	13057.7	12663.9	12271.8	11955.2	11833.0	11953.5	8357.5	1758.6	235.1	54.3
-19.5°	12603.7	12360.9	12111.4	11853.4	11645.5	11606.4	11665.0	7997.6	1641.4	236.8	54.3
-22.5°	12119.0	11872.9	11601.3	11401.0	11258.4	11392.5	11318.7	7498.5	1475.1	239.3	54.3
-25.5°	11721.8	11495.2	11223.6	11031.0	10949.5	11243.2	11000.4	6958.8	1289.2	239.3	54.3
-29°	11109.1	10911.3	10667.7	10485.2	10441.1	10898.6	10383.4	6334.9	1070.3	235.9	54.3
-33°	10437.7	10215.3	9969.2	9774.8	9692.5	10308.7	9365.8	5587.2	797.0	226.6	54.3
-37.5°	10009.9	9761.3	9486.3	9180.7	8994.9	9078.9	8005.2	4514.4	463.4	210.5	53.5
-42.5°	8975.3	8822.6	8483.9	8153.8	7666.6	7083.5	5969.1	3237.9	353.9	191.0	53.5
-47.5°	5934.3	5822.3	5713.7	5505.7	5041.5	4435.5	3727.6	1793.4	336.9	167.2	52.6
-55°	1639.8	1662.7	1761.1	1640.6	1434.4	1257.0	1219.6	547.4	309.8	128.2	50.1
-65°	1029.5	1043.9	851.3	602.6	407.4	311.5	315.7	209.6	206.2	74.7	46.7
-75°	125.6	126.5	106.1	101.0	101.8	116.3	121.4	101.0	81.5	42.4	43.3
-85°	56.9	56.0	54.3	52.6	51.8	49.2	45.8	41.6	38.2	39.0	39.0
-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)