

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: P507855

Luminaire Tested: **UFLD-S-CA1-20-722-U-66**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507855  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-110-4)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 3/30/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: UFLD-S-CA1-20-722-U-66  
Description: UTILITY FLOOD SMALL, 6x6 OPTIC  
Light Source: (1) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

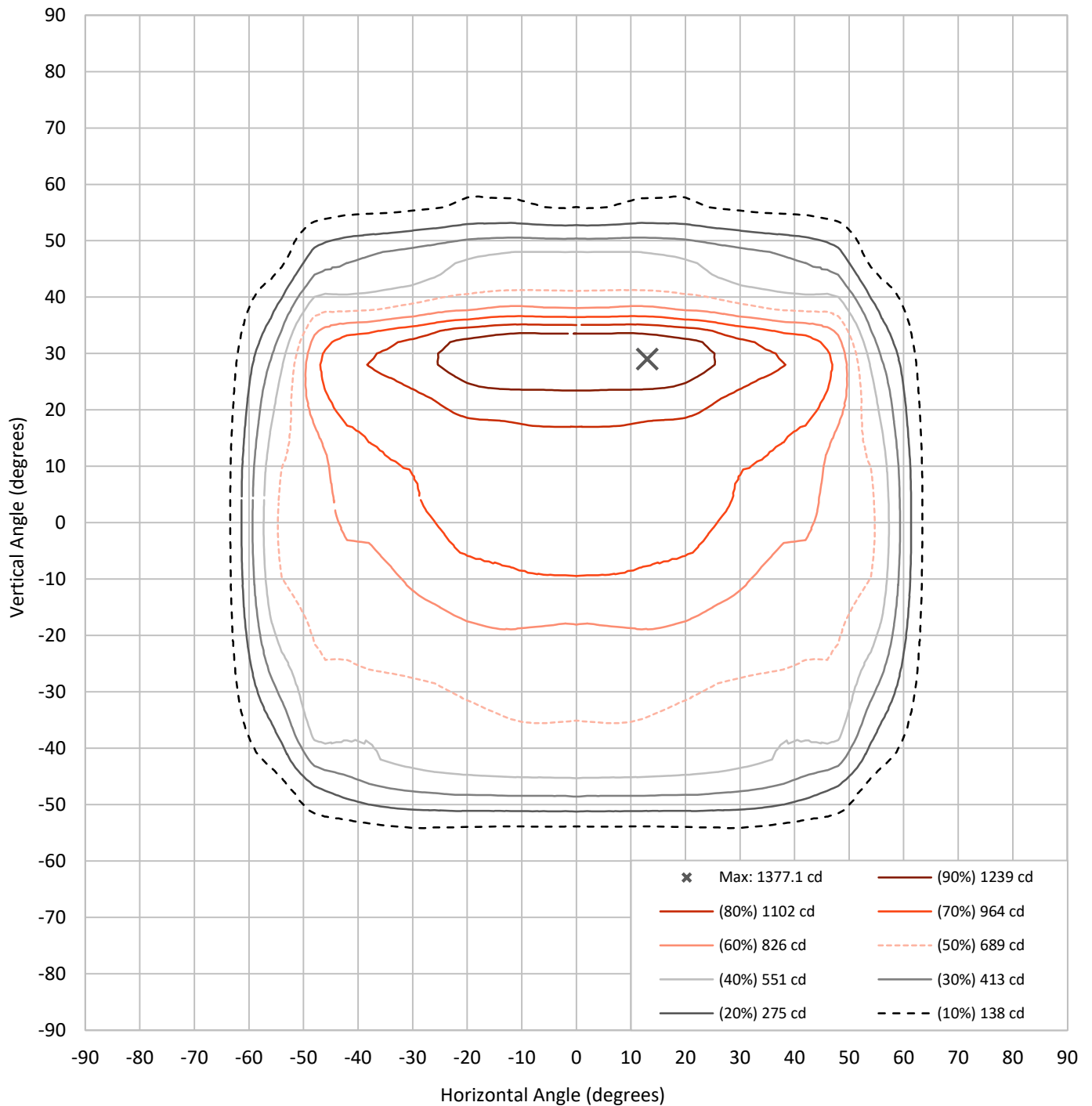
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	2506 lumens	Max Intensity:	1377.1 candela
Efficiency:	N/A	Max Intensity Angle:	13°H x 29°V
Efficacy:	129.2 lumens/watt		
Luminous Opening:	Rectangular (W 0.67' x L: 0.5' x H: 0')		
Beam Angle (50%):	103.2°H x 75.8°V	Field Angle (10%):	124.4°H x 111.6°V
Beam Lumens:	1830.9 lumens	Field Lumens:	2433.5 lumens
Beam Efficiency:	73.1%	Field Efficiency:	97.1%
Input Watts (W):	19.4		
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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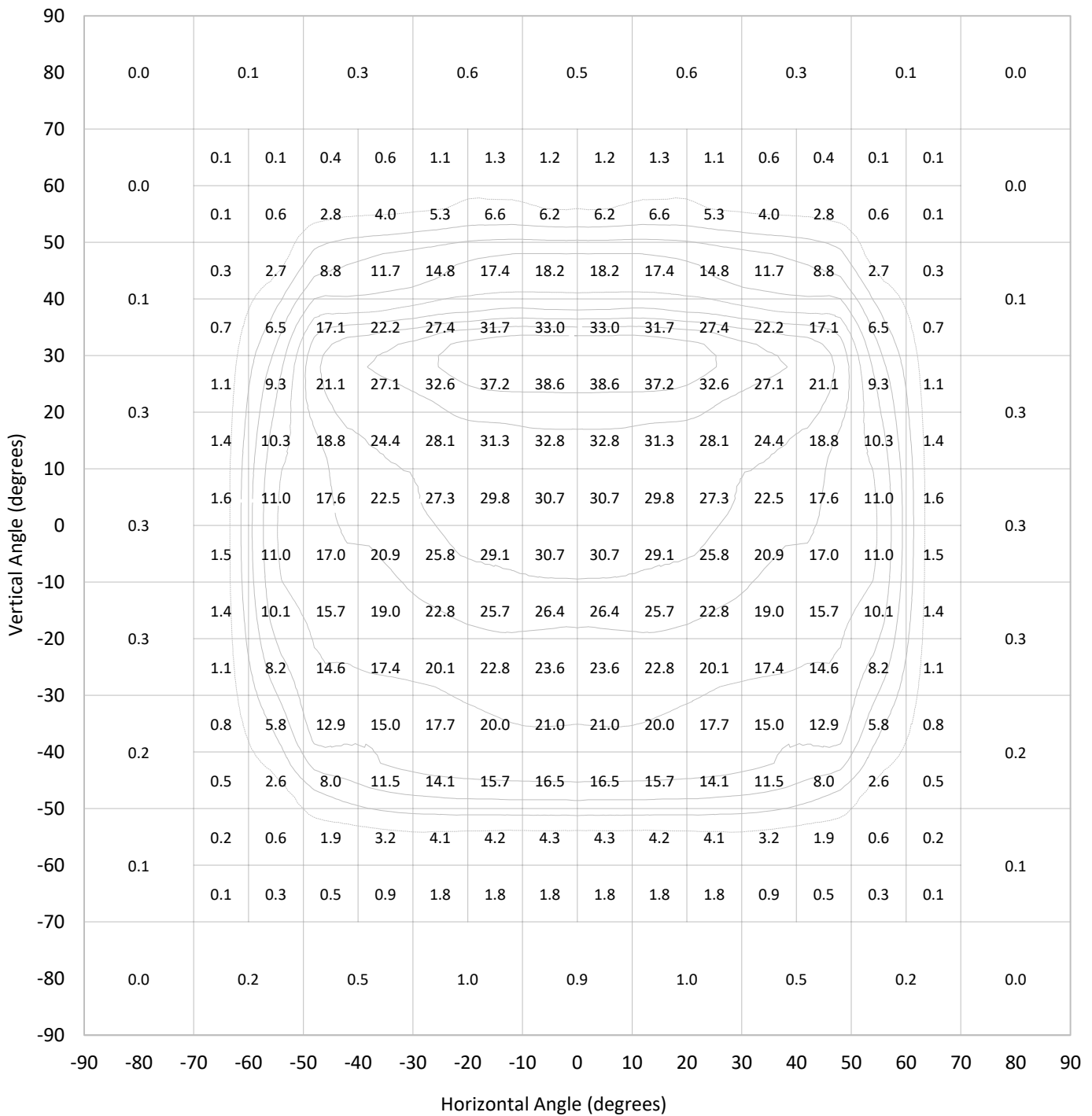
### Iso-Candela Plot





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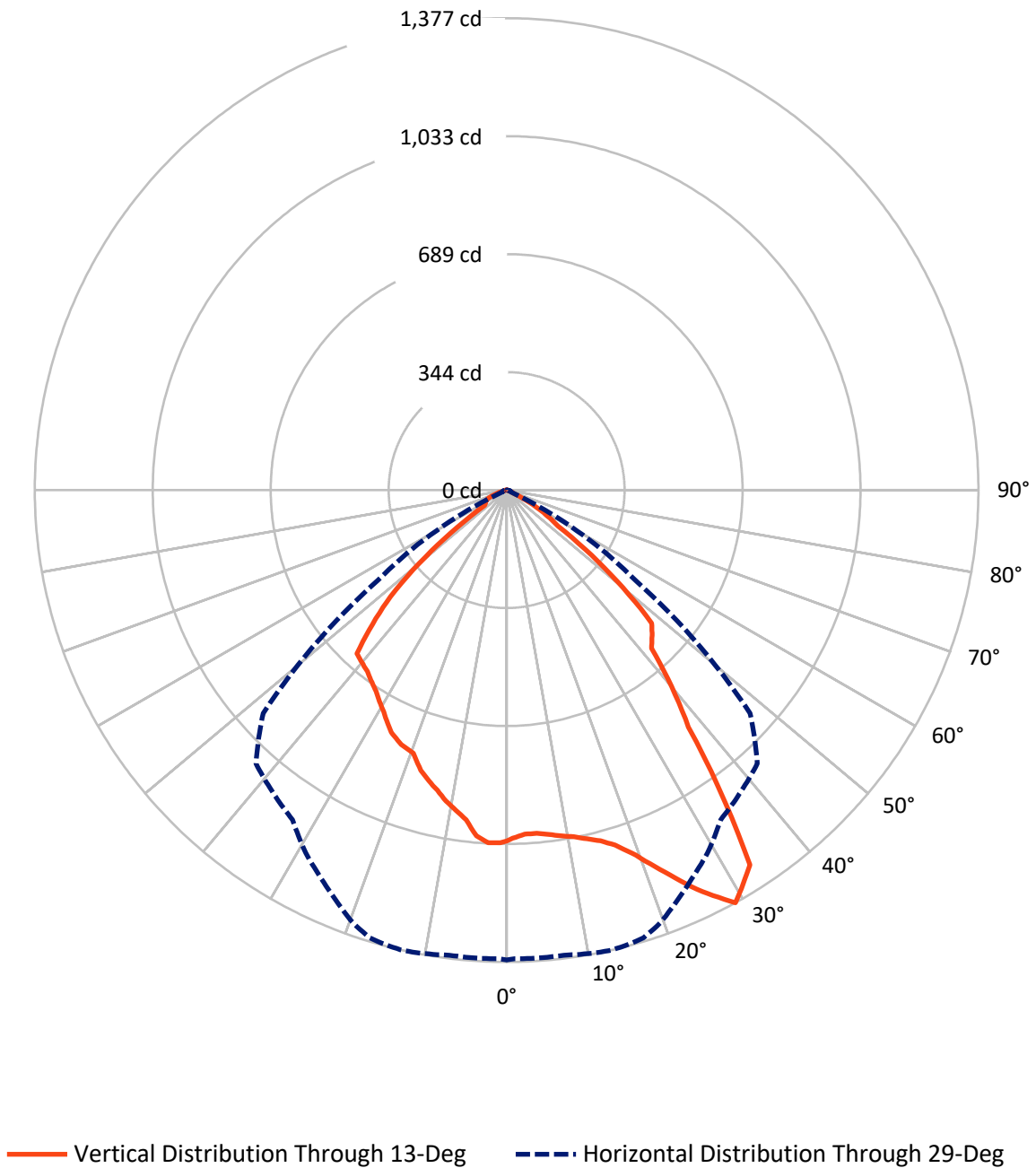
### Lumen Table



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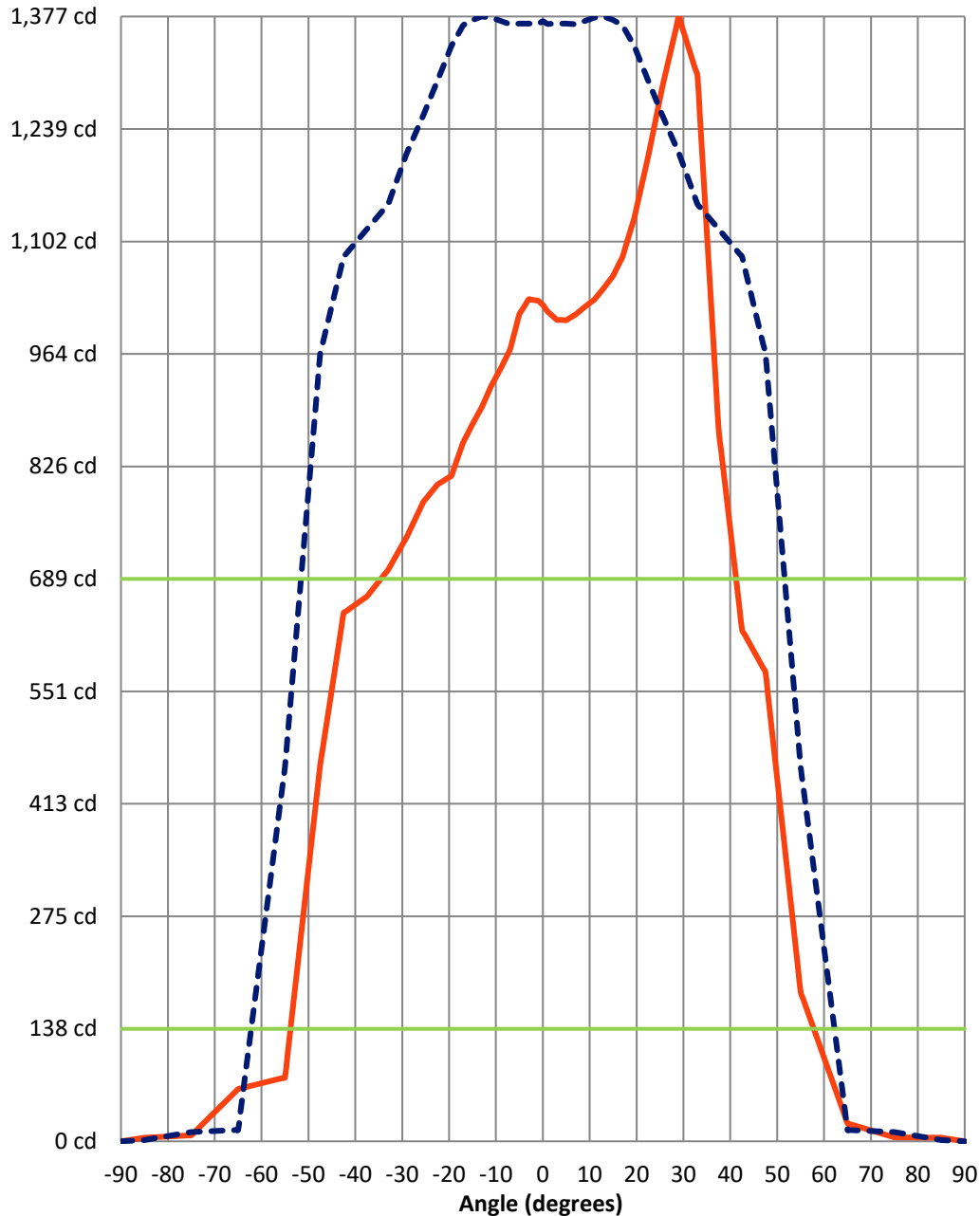
### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 103.2°  
 V Angle: 75.8°  
 Lumens: 1830.9  
 Efficiency: 73.1%

**Field:**  
 H Angle: 124.4°  
 V Angle: 111.6°  
 Lumens: 2433.5  
 Efficiency: 97.1%

**Spill:**  
 Lumens: 72.5  
 Efficiency: 2.9%

— Vertical Distribution through 13-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	0.4	1.1	2.2	2.9	3.7	4.0	4.4	4.4	4.0	4.0
75°	3.3	3.3	3.7	3.3	2.9	3.7	5.1	4.8	5.1	5.8	4.8
65°	27.8	28.1	27.8	26.0	23.4	21.6	20.5	21.9	27.1	36.2	43.1
55°	148.8	141.1	141.1	145.1	153.2	165.2	172.6	182.8	171.5	178.4	175.8
47.5°	579.8	579.1	580.5	579.8	580.2	580.5	578.7	574.3	568.1	563.7	552.4
42.5°	625.1	626.2	627.7	629.2	630.3	629.5	628.1	626.2	620.0	614.2	607.2
37.5°	851.1	849.2	857.7	856.2	857.3	871.2	868.6	871.9	861.7	850.0	822.2
33°	1313.5	1313.2	1317.9	1311.3	1317.2	1319.4	1316.5	1304.0	1293.8	1274.4	1258.7
29°	1371.3	1368.0	1368.4	1368.4	1367.6	1371.7	1375.7	1377.1	1372.8	1366.2	1341.0
25.5°	1293.8	1297.1	1292.0	1291.6	1290.1	1290.5	1290.9	1290.9	1285.0	1277.7	1261.3
22.5°	1214.5	1214.1	1213.7	1211.2	1210.4	1210.1	1209.7	1206.4	1204.6	1203.5	1192.2
19.5°	1139.5	1143.2	1142.8	1142.4	1142.1	1139.9	1135.5	1130.4	1127.8	1128.2	1125.3
17°	1100.0	1098.2	1098.9	1098.6	1098.6	1094.2	1087.6	1082.9	1077.7	1074.8	1070.1
15°	1074.1	1074.4	1075.2	1073.7	1071.5	1069.3	1065.7	1059.8	1054.3	1048.9	1040.4
13°	1059.1	1058.7	1058.4	1055.8	1054.7	1051.8	1047.8	1044.5	1039.3	1033.9	1024.4
11°	1048.9	1048.1	1047.4	1045.2	1043.4	1039.7	1035.3	1030.6	1027.3	1024.7	1019.6
9°	1032.4	1032.0	1032.8	1030.9	1030.6	1028.7	1024.7	1021.8	1019.2	1020.0	1018.9
7°	1019.2	1019.6	1020.0	1018.9	1018.9	1017.4	1014.9	1012.3	1012.3	1015.6	1018.1
5°	1009.0	1007.9	1007.9	1007.9	1008.3	1007.5	1006.8	1005.3	1006.8	1011.9	1019.2
3°	998.0	997.7	999.9	1001.0	1001.7	1003.5	1005.3	1005.7	1008.3	1016.7	1026.6
1°	992.9	993.7	994.7	997.7	1000.6	1005.3	1011.2	1016.0	1018.1	1023.6	1025.8
0°	991.1	991.8	994.4	999.5	1005.0	1012.7	1017.8	1024.0	1022.5	1023.6	1022.9
-1°	999.9	1001.7	1002.8	1011.6	1018.5	1024.0	1028.7	1029.1	1025.1	1022.9	1019.2
-3°	1036.1	1035.3	1037.9	1039.0	1043.4	1042.6	1037.9	1030.9	1020.0	1011.9	1001.0
-5°	1050.7	1049.2	1047.8	1049.2	1047.4	1038.6	1028.7	1012.7	996.2	983.4	972.4
-7°	1025.8	1026.9	1022.2	1022.2	1011.2	1001.3	982.3	969.2	959.7	955.6	957.1
-9°	975.0	968.8	969.2	968.4	966.2	956.0	950.1	946.1	943.9	944.3	946.1
-11°	926.0	925.7	926.4	923.8	924.2	924.6	924.6	924.9	925.7	926.4	926.4
-13°	897.9	896.0	897.1	896.8	897.9	897.9	899.0	899.0	900.1	900.4	897.9
-15°	878.1	877.4	877.4	878.1	877.8	876.7	877.4	878.1	876.7	874.5	868.3
-17°	840.1	831.7	839.4	843.0	845.6	847.1	848.9	855.5	853.6	846.3	838.6
-19.5°	807.2	806.5	807.2	807.9	809.8	812.3	814.5	814.9	811.2	805.4	796.2
-22.5°	794.0	793.7	794.8	796.2	798.1	800.6	802.8	803.9	801.4	795.1	784.9
-25.5°	773.6	773.9	775.0	776.1	777.6	779.1	780.9	782.7	782.0	776.1	766.6
-29°	746.5	746.2	746.9	748.0	749.4	746.5	743.6	740.3	736.6	731.2	720.6
-33°	706.7	706.7	707.4	708.9	709.2	707.4	703.7	699.7	692.8	684.4	673.4
-37.5°	667.9	669.0	671.2	672.3	673.4	673.0	671.6	667.2	659.9	652.9	644.5
-42.5°	656.2	656.6	657.0	657.0	654.8	652.6	650.0	646.7	642.0	639.8	633.9
-47.5°	468.3	457.7	464.7	457.7	460.3	461.4	459.9	460.6	452.6	453.7	449.3
-55°	79.3	80.1	80.8	82.6	82.3	80.1	77.9	78.2	81.9	85.5	84.4
-65°	63.2	63.2	62.9	62.5	62.1	62.5	62.9	64.0	64.3	65.4	66.9
-75°	6.2	6.2	5.8	5.1	4.4	6.6	7.3	7.3	7.3	7.7	8.0
-85°	0.4	0.7	1.5	2.6	3.3	4.0	4.4	4.4	4.4	4.4	4.4
-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°	3.7	3.7	3.3	2.9	2.2	1.5	1.1	0.7	0.4	0.4	0.7
75°	4.4	4.4	5.1	6.9	6.9	4.0	2.6	1.5	1.5	0.7	1.1
65°	36.2	20.8	12.8	9.5	6.9	6.2	4.8	4.0	4.8	1.5	1.1
55°	157.6	141.5	134.5	121.4	118.1	113.3	95.4	15.0	9.1	2.6	1.1
47.5°	531.2	505.2	476.0	448.2	422.2	389.3	331.9	45.0	11.7	3.3	1.5
42.5°	590.8	561.2	538.9	514.0	482.6	462.1	475.3	167.1	11.3	4.8	1.5
37.5°	815.2	793.7	752.4	726.4	688.8	677.1	678.9	278.2	9.9	6.9	1.5
33°	1238.2	1177.2	1118.7	1082.1	1022.9	995.1	878.9	372.9	11.3	9.1	1.5
29°	1298.2	1256.1	1210.1	1147.2	1116.9	1082.9	964.0	458.8	13.9	11.3	1.5
25.5°	1228.4	1190.7	1148.7	1106.3	1083.6	1049.2	952.3	512.5	16.8	13.5	1.8
22.5°	1160.4	1121.2	1084.3	1055.8	1040.4	1026.6	927.5	551.3	20.1	15.0	1.8
19.5°	1103.0	1068.2	1036.1	1012.3	1009.0	999.5	875.2	582.0	23.8	16.5	1.8
17°	1051.4	1025.1	1002.4	987.1	989.3	956.7	837.2	607.6	27.1	17.5	1.8
15°	1021.8	1001.3	986.0	982.0	976.5	924.2	814.5	627.0	29.2	18.6	1.8
13°	1005.7	986.0	977.2	981.6	958.9	895.3	798.1	646.0	31.4	19.4	1.8
11°	1002.4	980.9	975.0	971.7	939.2	882.1	787.1	663.5	33.6	19.7	1.8
9°	1006.8	986.0	971.4	950.9	921.3	876.7	783.4	678.5	34.4	20.1	1.8
7°	1010.1	991.1	967.3	930.8	899.3	871.2	779.8	689.1	33.6	20.5	2.2
5°	1016.0	994.4	964.8	912.1	881.1	861.3	776.1	696.1	32.2	20.5	2.2
3°	1017.8	989.3	957.5	896.0	866.4	855.8	776.1	702.3	31.4	20.1	2.2
1°	1009.7	976.5	939.9	882.9	853.3	847.4	775.0	705.6	30.7	19.7	2.2
0°	1003.5	967.3	931.5	875.6	847.4	841.6	774.3	706.3	30.3	20.1	2.2
-1°	995.5	958.2	923.5	870.8	840.8	836.5	773.9	707.8	30.3	19.4	2.2
-3°	973.9	937.7	910.7	859.5	829.1	826.6	772.5	705.2	30.3	18.6	2.2
-5°	956.7	928.6	902.3	851.1	819.6	816.0	770.3	700.5	30.3	18.3	2.2
-7°	947.2	922.0	892.0	839.4	809.0	803.2	767.0	691.7	30.3	17.5	2.2
-9°	934.4	907.7	876.3	823.3	793.3	786.4	762.6	681.8	30.3	17.2	2.2
-11°	912.9	884.0	850.3	804.3	778.0	765.2	751.6	669.0	30.3	16.8	2.2
-13°	879.6	852.2	824.0	784.5	761.1	747.6	739.2	652.2	29.6	16.8	2.2
-15°	849.6	821.5	796.2	768.1	748.0	733.4	729.3	632.8	29.2	16.8	2.2
-17°	816.0	789.7	770.3	750.9	736.3	721.7	718.7	610.2	28.9	17.2	2.2
-19.5°	776.1	754.2	743.6	732.3	718.7	707.0	706.7	579.1	28.5	17.2	2.2
-22.5°	761.9	740.3	729.7	719.8	704.8	694.2	694.6	535.9	27.4	17.2	2.2
-25.5°	741.8	720.2	709.2	701.2	693.5	683.3	685.5	487.0	26.3	16.8	2.2
-29°	701.6	684.0	677.1	668.6	665.4	669.4	676.7	424.1	26.0	16.1	2.2
-33°	659.9	646.7	635.4	619.3	612.0	630.3	658.8	345.1	26.3	15.0	2.2
-37.5°	634.6	623.0	605.4	579.8	558.2	569.6	603.9	259.9	26.3	12.8	2.2
-42.5°	620.8	614.2	593.0	571.8	536.7	484.0	460.6	165.6	26.7	9.5	2.2
-47.5°	448.2	434.7	425.5	409.8	383.1	322.1	253.0	54.8	25.6	5.5	2.2
-55°	92.1	91.8	99.4	91.4	71.3	51.2	53.0	17.9	20.8	3.7	2.2
-65°	75.3	81.5	60.0	37.7	21.9	15.7	21.2	15.4	8.8	2.6	1.8
-75°	8.0	7.7	5.8	6.6	7.3	6.6	6.2	4.0	2.9	2.2	1.5
-85°	4.0	4.0	4.0	3.7	3.3	2.9	2.6	2.2	1.8	1.8	1.5
-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)