

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: P507856

Luminaire Tested: **UFLD-S-CA1-20-727-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507856
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-CA1-20-727-U-66
Description: UTILITY FLOOD SMALL, 6x6 OPTIC
Light Source: (1) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

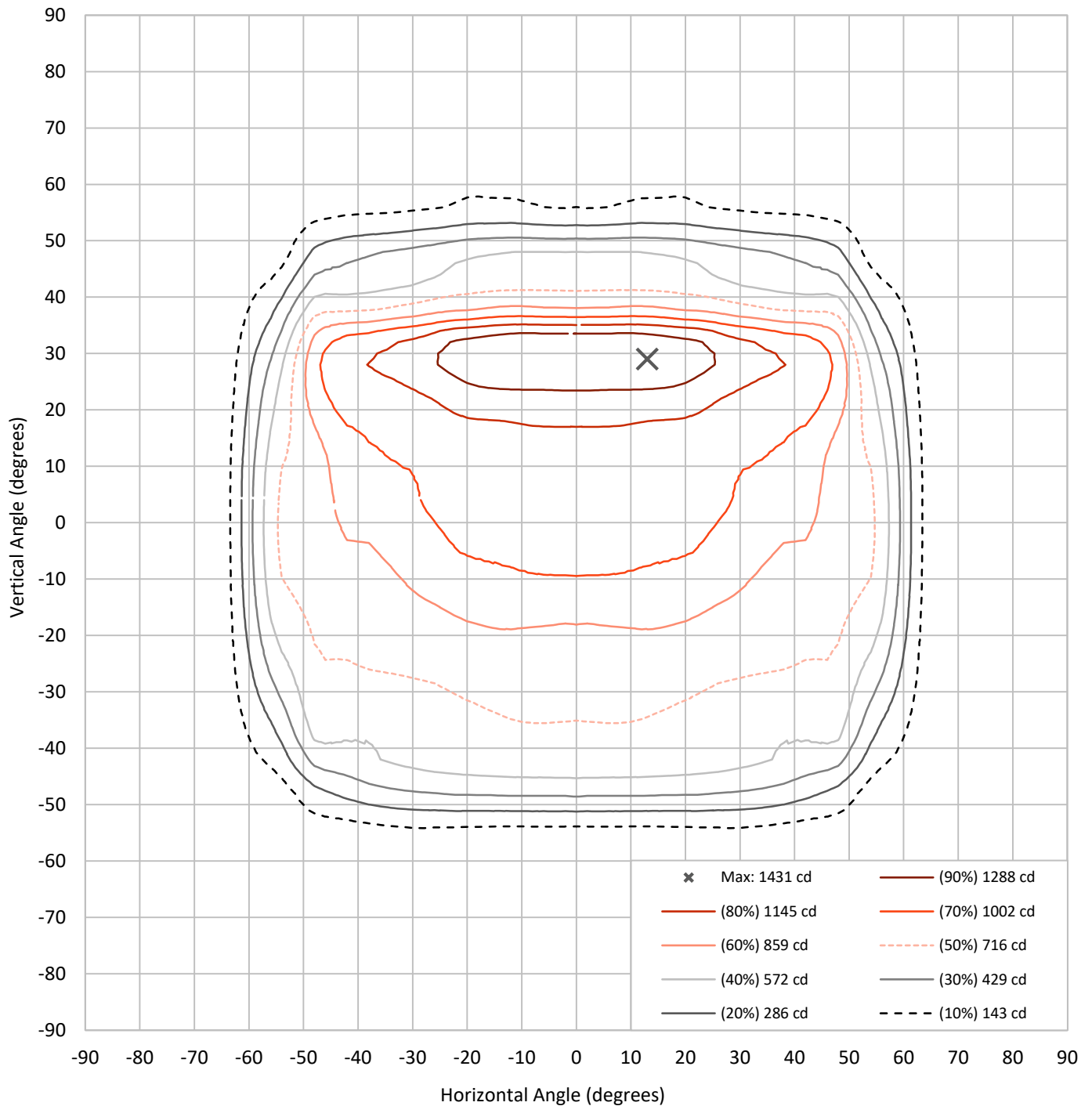
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	2604 lumens	Max Intensity:	1431 candela
Efficiency:	N/A	Max Intensity Angle:	13°H x 29°V
Efficacy:	134.2 lumens/watt		
Luminous Opening:	Rectangular (W 0.67' x L: 0.5' x H: 0')		
Beam Angle (50%):	103.2°H x 75.8°V	Field Angle (10%):	124.4°H x 111.6°V
Beam Lumens:	1902.5 lumens	Field Lumens:	2528.6 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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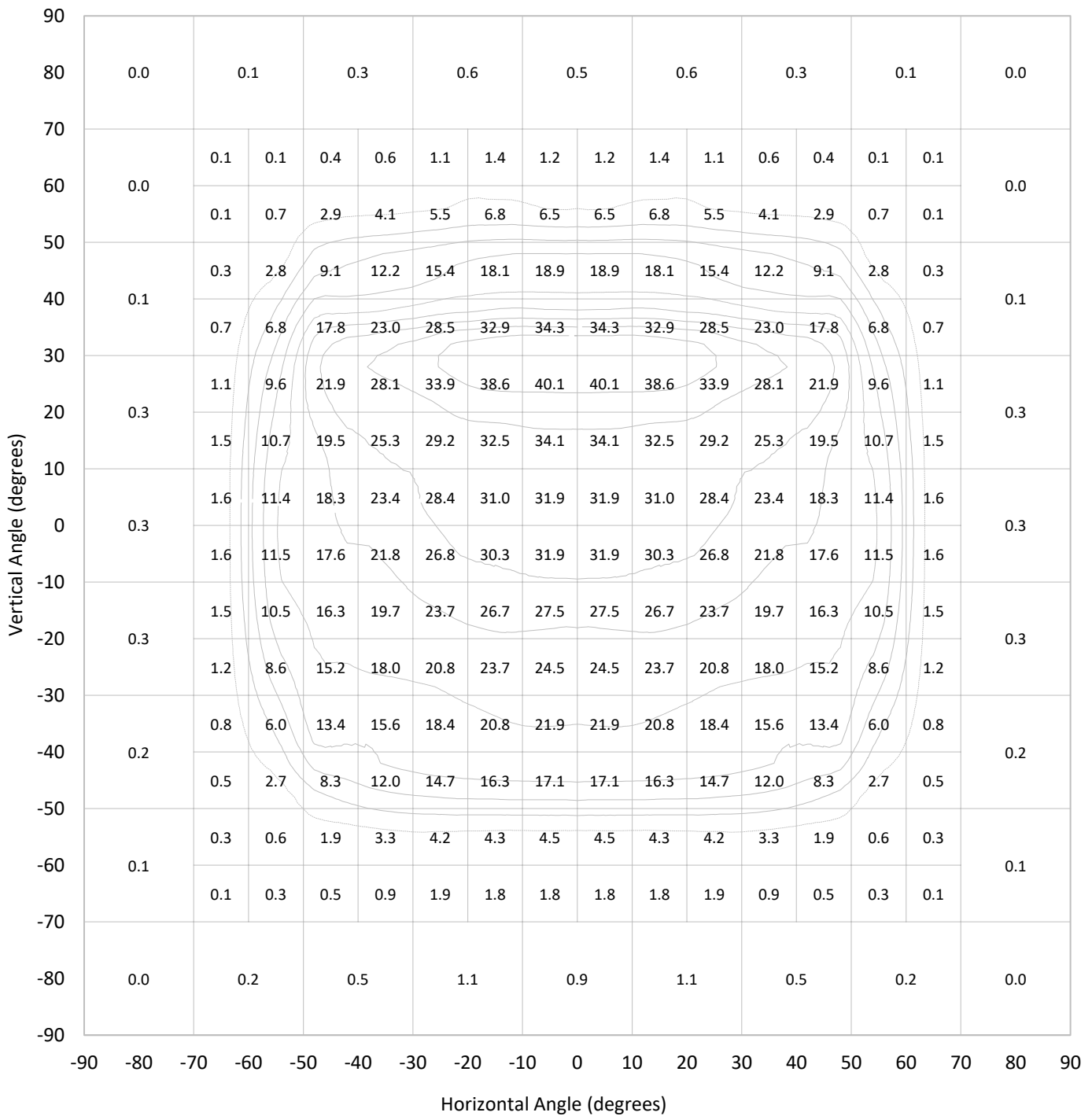
Iso-Candela Plot





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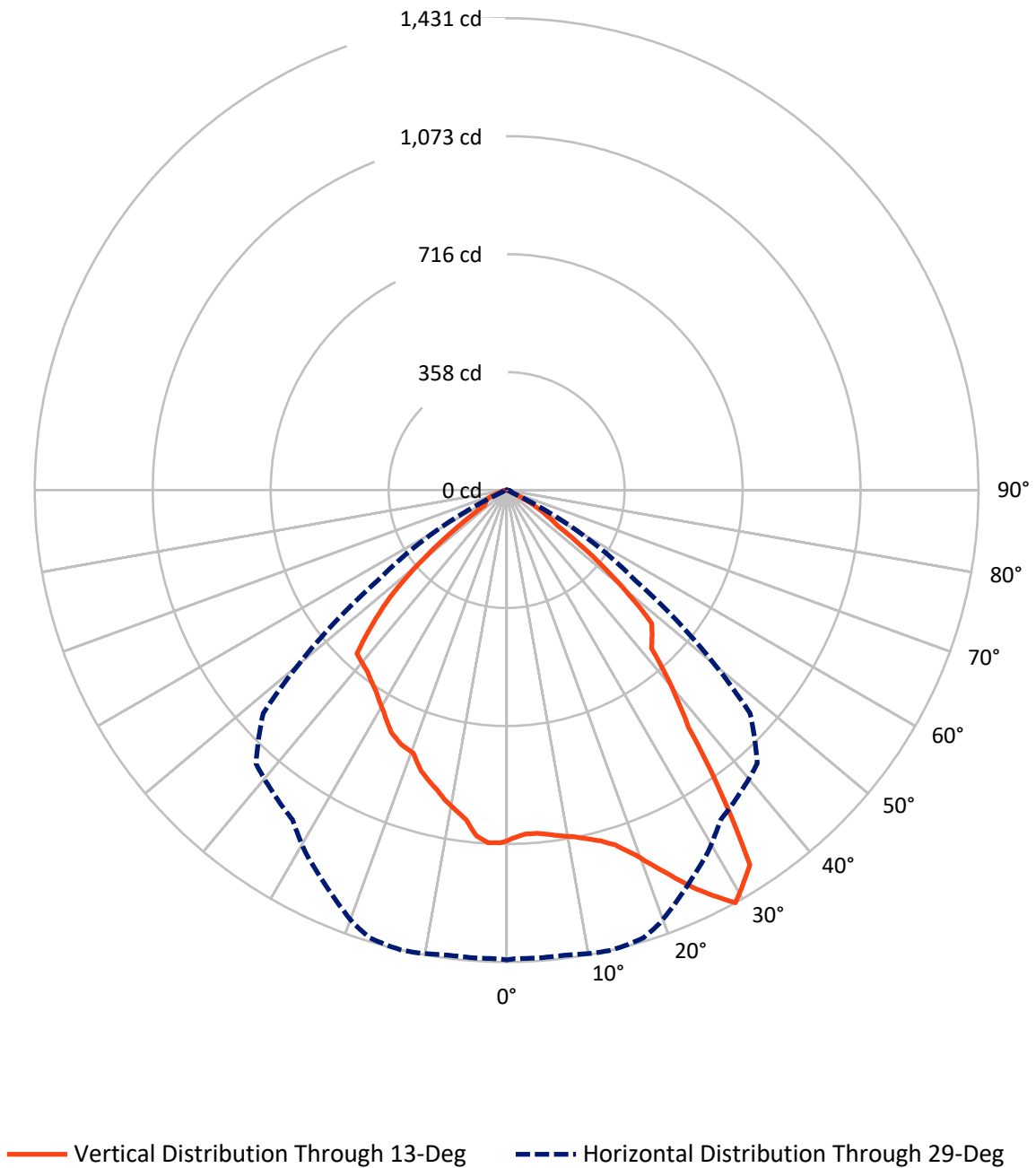
Lumen Table



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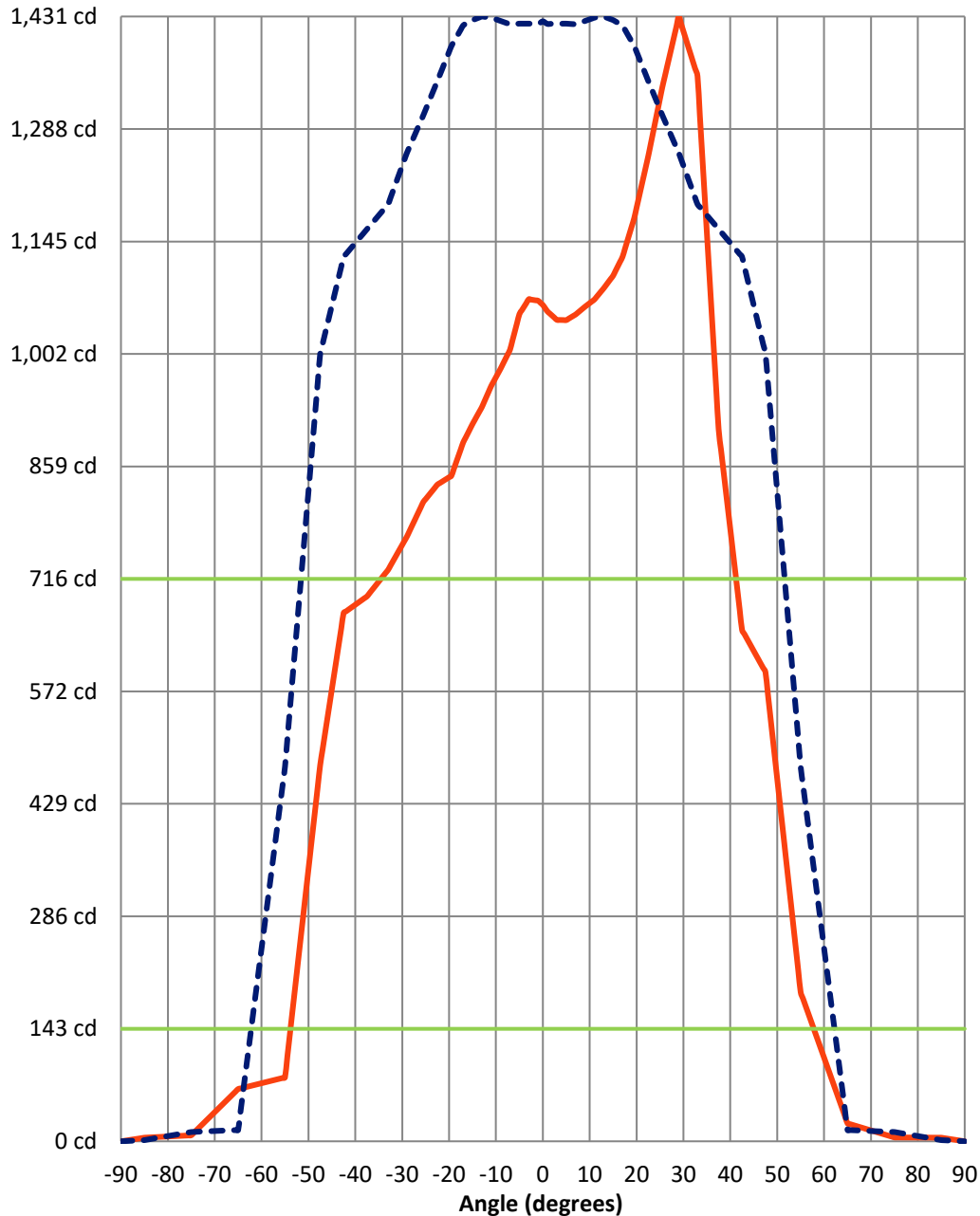
Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 103.2°
 V Angle: 75.8°
 Lumens: 1902.5
 Efficiency: 73.1%

Field:
 H Angle: 124.4°
 V Angle: 111.6°
 Lumens: 2528.6
 Efficiency: 97.1%

Spill:
 Lumens: 75.4
 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	2.3	3.0	3.8	4.2	4.6	4.6	4.2	4.2
75°	3.4	3.4	3.8	3.4	3.0	3.8	5.3	4.9	5.3	6.1	4.9
65°	28.9	29.3	28.9	27.0	24.3	22.4	21.3	22.8	28.1	37.6	44.8
55°	154.6	146.6	146.6	150.8	159.2	171.7	179.3	189.9	178.2	185.4	182.7
47.5°	602.5	601.7	603.2	602.5	602.9	603.2	601.3	596.8	590.3	585.8	574.0
42.5°	649.6	650.7	652.3	653.8	654.9	654.2	652.6	650.7	644.3	638.2	631.0
37.5°	884.4	882.5	891.2	889.7	890.8	905.2	902.6	906.0	895.4	883.2	854.3
33°	1364.9	1364.5	1369.5	1362.6	1368.7	1371.0	1367.9	1355.0	1344.4	1324.3	1307.9
29°	1424.9	1421.5	1421.9	1421.9	1421.1	1425.3	1429.5	1431.0	1426.4	1419.6	1393.4
25.5°	1344.4	1347.8	1342.5	1342.1	1340.6	1341.0	1341.3	1341.3	1335.3	1327.7	1310.6
22.5°	1262.0	1261.6	1261.2	1258.5	1257.8	1257.4	1257.0	1253.6	1251.7	1250.6	1238.8
19.5°	1184.1	1187.9	1187.5	1187.1	1186.7	1184.5	1179.9	1174.6	1171.9	1172.3	1169.3
17°	1143.1	1141.2	1141.9	1141.5	1141.5	1137.0	1130.1	1125.2	1119.9	1116.8	1111.9
15°	1116.1	1116.5	1117.2	1115.7	1113.4	1111.1	1107.3	1101.3	1095.6	1089.9	1081.1
13°	1100.5	1100.1	1099.7	1097.1	1095.9	1092.9	1088.7	1085.3	1080.0	1074.3	1064.4
11°	1089.9	1089.1	1088.4	1086.1	1084.2	1080.4	1075.8	1070.9	1067.5	1064.8	1059.5
9°	1072.8	1072.4	1073.2	1071.3	1070.9	1069.0	1064.8	1061.8	1059.1	1059.9	1058.7
7°	1059.1	1059.5	1059.9	1058.7	1058.7	1057.2	1054.5	1051.9	1051.9	1055.3	1058.0
5°	1048.5	1047.3	1047.3	1047.3	1047.7	1046.9	1046.2	1044.7	1046.2	1051.5	1059.1
3°	1037.1	1036.7	1039.0	1040.1	1040.9	1042.8	1044.7	1045.0	1047.7	1056.4	1066.7
1°	1031.7	1032.5	1033.6	1036.7	1039.7	1044.7	1050.7	1055.7	1058.0	1063.7	1065.9
0°	1029.8	1030.6	1033.3	1038.6	1044.3	1052.3	1057.6	1064.0	1062.5	1063.7	1062.9
-1°	1039.0	1040.9	1042.0	1051.1	1058.3	1064.0	1069.0	1069.4	1065.2	1062.9	1059.1
-3°	1076.6	1075.8	1078.5	1079.6	1084.2	1083.4	1078.5	1071.3	1059.9	1051.5	1040.1
-5°	1091.8	1090.3	1088.7	1090.3	1088.4	1079.2	1069.0	1052.3	1035.2	1021.9	1010.5
-7°	1065.9	1067.1	1062.1	1062.1	1050.7	1040.5	1020.7	1007.1	997.2	993.0	994.5
-9°	1013.1	1006.7	1007.1	1006.3	1004.0	993.4	987.3	983.1	980.8	981.2	983.1
-11°	962.2	961.9	962.6	960.0	960.3	960.7	960.7	961.1	961.9	962.6	962.6
-13°	933.0	931.1	932.2	931.8	933.0	933.0	934.1	934.1	935.3	935.6	933.0
-15°	912.5	911.7	911.7	912.5	912.1	910.9	911.7	912.5	910.9	908.7	902.2
-17°	873.0	864.2	872.2	876.0	878.7	880.2	882.1	888.9	887.0	879.4	871.4
-19.5°	838.8	838.0	838.8	839.5	841.4	844.1	846.4	846.7	842.9	836.9	827.4
-22.5°	825.1	824.7	825.9	827.4	829.3	831.9	834.2	835.4	832.7	826.2	815.6
-25.5°	803.8	804.2	805.3	806.5	808.0	809.5	811.4	813.3	812.6	806.5	796.6
-29°	775.7	775.3	776.1	777.2	778.8	775.7	772.7	769.3	765.5	759.8	748.7
-33°	734.3	734.3	735.1	736.6	737.0	735.1	731.3	727.1	719.9	711.1	699.7
-37.5°	694.0	695.2	697.5	698.6	699.7	699.4	697.8	693.3	685.7	678.5	669.7
-42.5°	681.9	682.3	682.6	682.6	680.4	678.1	675.4	672.0	667.1	664.8	658.7
-47.5°	486.6	475.6	482.8	475.6	478.3	479.4	477.9	478.6	470.3	471.4	466.9
-55°	82.4	83.2	84.0	85.9	85.5	83.2	80.9	81.3	85.1	88.9	87.8
-65°	65.7	65.7	65.3	65.0	64.6	65.0	65.3	66.5	66.9	68.0	69.5
-75°	6.5	6.5	6.1	5.3	4.6	6.8	7.6	7.6	7.6	8.0	8.4
-85°	0.4	0.8	1.5	2.7	3.4	4.2	4.6	4.6	4.6	4.6	4.6
-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°	3.8	3.8	3.4	3.0	2.3	1.5	1.1	0.8	0.4	0.4	0.8
75°	4.6	4.6	5.3	7.2	7.2	4.2	2.7	1.5	1.5	0.8	1.1
65°	37.6	21.7	13.3	9.9	7.2	6.5	4.9	4.2	4.9	1.5	1.1
55°	163.7	147.0	139.8	126.1	122.7	117.8	99.1	15.6	9.5	2.7	1.1
47.5°	552.0	525.0	494.6	465.7	438.8	404.6	344.9	46.7	12.2	3.4	1.5
42.5°	613.9	583.1	559.9	534.1	501.4	480.2	493.8	173.6	11.8	4.9	1.5
37.5°	847.1	824.7	781.8	754.8	715.7	703.5	705.4	289.1	10.3	7.2	1.5
33°	1286.6	1223.2	1162.4	1124.4	1062.9	1034.0	913.2	387.5	11.8	9.5	1.5
29°	1348.9	1305.3	1257.4	1192.1	1160.5	1125.2	1001.7	476.7	14.4	11.8	1.5
25.5°	1276.4	1237.3	1193.6	1149.5	1126.0	1090.3	989.6	532.6	17.5	14.1	1.9
22.5°	1205.7	1165.1	1126.7	1097.1	1081.1	1066.7	963.8	572.9	20.9	15.6	1.9
19.5°	1146.1	1110.0	1076.6	1051.9	1048.5	1038.6	909.4	604.8	24.7	17.1	1.9
17°	1092.5	1065.2	1041.6	1025.7	1028.0	994.1	869.9	631.4	28.1	18.2	1.9
15°	1061.8	1040.5	1024.5	1020.4	1014.7	960.3	846.4	651.5	30.4	19.4	1.9
13°	1045.0	1024.5	1015.4	1020.0	996.4	930.3	829.3	671.2	32.7	20.1	1.9
11°	1041.6	1019.2	1013.1	1009.7	975.9	916.6	817.9	689.5	34.9	20.5	1.9
9°	1046.2	1024.5	1009.3	988.1	957.3	910.9	814.1	705.1	35.7	20.9	1.9
7°	1049.6	1029.8	1005.2	967.2	934.5	905.2	810.3	716.1	34.9	21.3	2.3
5°	1055.7	1033.3	1002.5	947.8	915.5	895.0	806.5	723.3	33.4	21.3	2.3
3°	1057.6	1028.0	994.9	931.1	900.3	889.3	806.5	729.7	32.7	20.9	2.3
1°	1049.2	1014.7	976.7	917.4	886.6	880.6	805.3	733.2	31.9	20.5	2.3
0°	1042.8	1005.2	967.9	909.8	880.6	874.5	804.6	733.9	31.5	20.9	2.3
-1°	1034.4	995.7	959.6	904.9	873.7	869.2	804.2	735.4	31.5	20.1	2.3
-3°	1012.0	974.4	946.3	893.1	861.6	858.9	802.7	732.8	31.5	19.4	2.3
-5°	994.1	964.9	937.5	884.4	851.7	847.9	800.4	727.8	31.5	19.0	2.3
-7°	984.3	958.1	926.9	872.2	840.7	834.6	797.0	718.7	31.5	18.2	2.3
-9°	971.0	943.2	910.6	855.5	824.3	817.1	792.4	708.5	31.5	17.9	2.3
-11°	948.6	918.5	883.6	835.7	808.4	795.1	781.0	695.2	31.5	17.5	2.3
-13°	914.0	885.5	856.2	815.2	790.9	776.9	768.1	677.7	30.8	17.5	2.3
-15°	882.8	853.6	827.4	798.1	777.2	762.0	757.9	657.6	30.4	17.5	2.3
-17°	847.9	820.5	800.4	780.3	765.1	749.9	746.8	634.0	30.0	17.9	2.3
-19.5°	806.5	783.7	772.7	760.9	746.8	734.7	734.3	601.7	29.6	17.9	2.3
-22.5°	791.7	769.3	758.2	748.0	732.4	721.4	721.8	556.9	28.5	17.9	2.3
-25.5°	770.8	748.4	737.0	728.6	720.6	710.0	712.3	506.0	27.4	17.5	2.3
-29°	729.0	710.8	703.5	694.8	691.4	695.6	703.2	440.7	27.0	16.7	2.3
-33°	685.7	672.0	660.2	643.5	635.9	654.9	684.5	358.6	27.4	15.6	2.3
-37.5°	659.5	647.3	629.1	602.5	580.1	591.9	627.6	270.1	27.4	13.3	2.3
-42.5°	645.0	638.2	616.2	594.1	557.7	503.0	478.6	172.1	27.7	9.9	2.3
-47.5°	465.7	451.7	442.2	425.8	398.1	334.7	262.9	57.0	26.6	5.7	2.3
-55°	95.7	95.3	103.3	95.0	74.1	53.2	55.1	18.6	21.7	3.8	2.3
-65°	78.3	84.7	62.3	39.1	22.8	16.3	22.0	16.0	9.1	2.7	1.9
-75°	8.4	8.0	6.1	6.8	7.6	6.8	6.5	4.2	3.0	2.3	1.5
-85°	4.2	4.2	4.2	3.8	3.4	3.0	2.7	2.3	1.9	1.9	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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CATALOG NUMBER: UFLD-S-CA1-20-727-U-66

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)