

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: P507785

Luminaire Tested: **UFLD-CA2-180-730-U-66**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507785  
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-CA2-180-730-U-66  
Description: UTILITY FLOOD, 6x6 OPTIC  
Light Source: (2) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

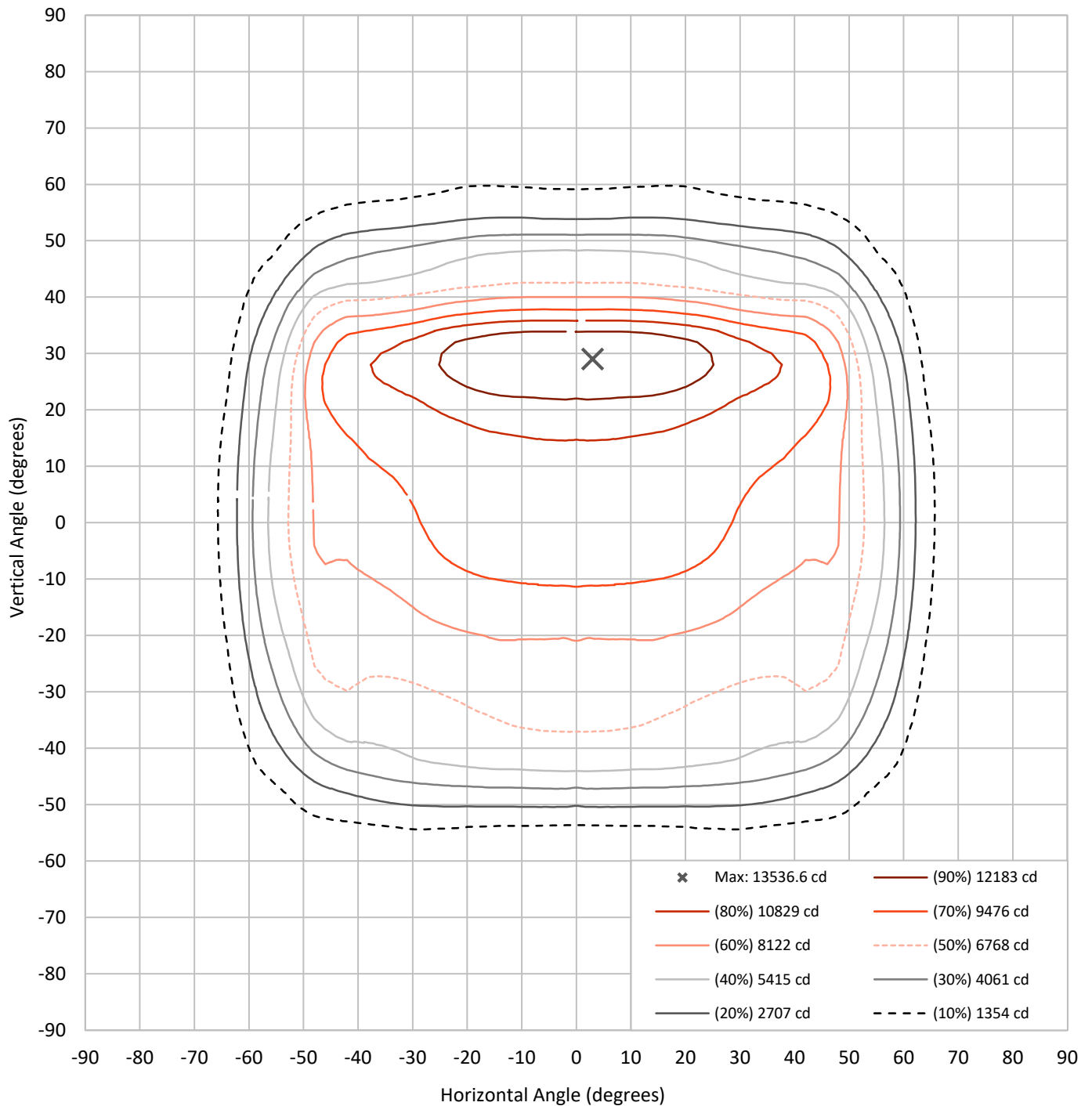
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	25365 lumens	Max Intensity:	13536.6 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	138.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.25' x L: 0.67' x H: 0')		
Beam Angle (50%):	102.9°H x 79.4°V	Field Angle (10%):	126.5°H x 112.9°V
Beam Lumens:	18846.2 lumens	Field Lumens:	24512.3 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%
Input Watts (W):	182.8		
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		



REPORT NUMBER: P507785

CATALOG NUMBER: UFLD-CA2-180-730-U-66

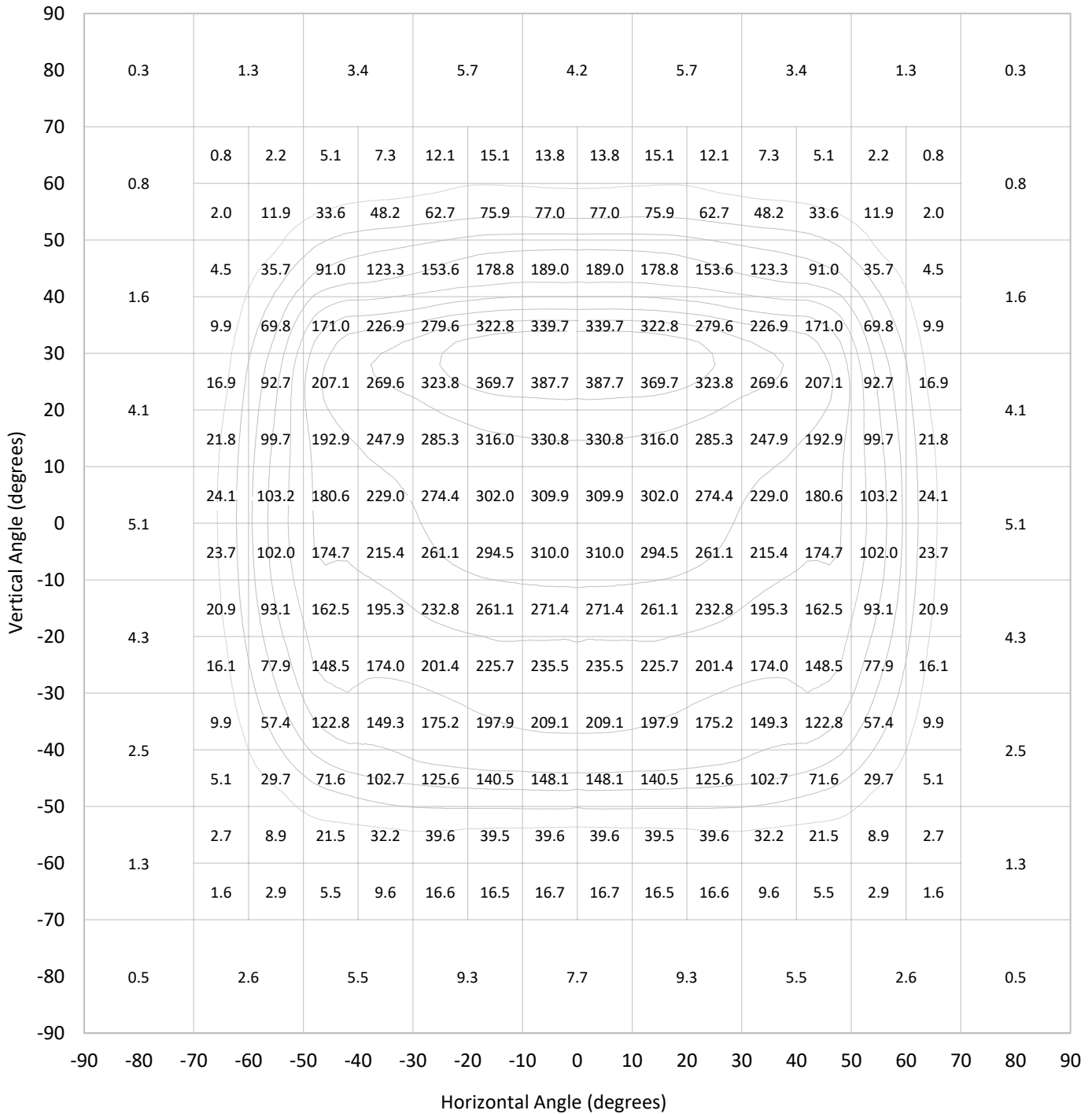
### Iso-Candela Plot





REPORT NUMBER: P507785  
 CATALOG NUMBER: UFLD-CA2-180-730-U-66

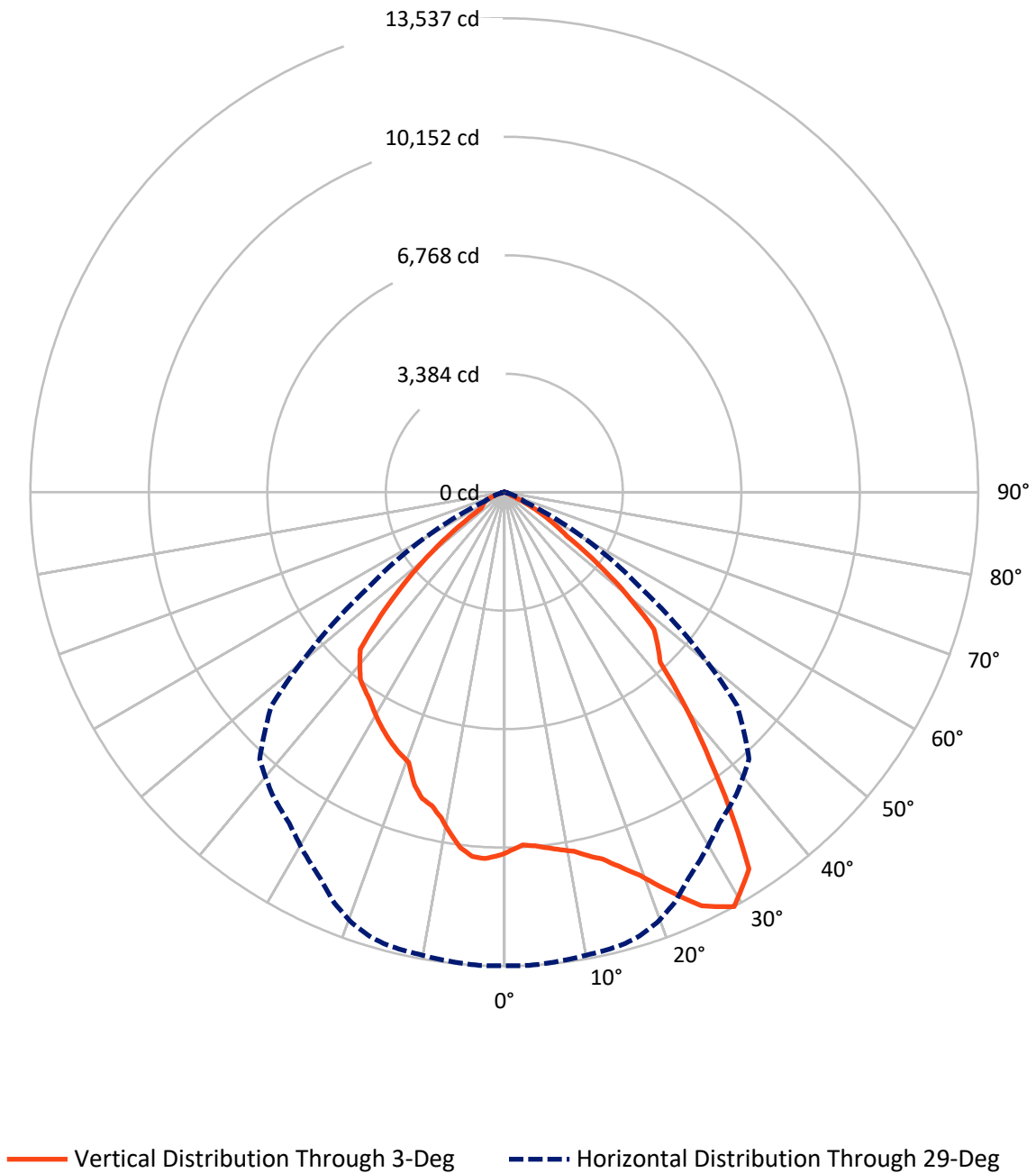
### Lumen Table



REPORT NUMBER: P507785

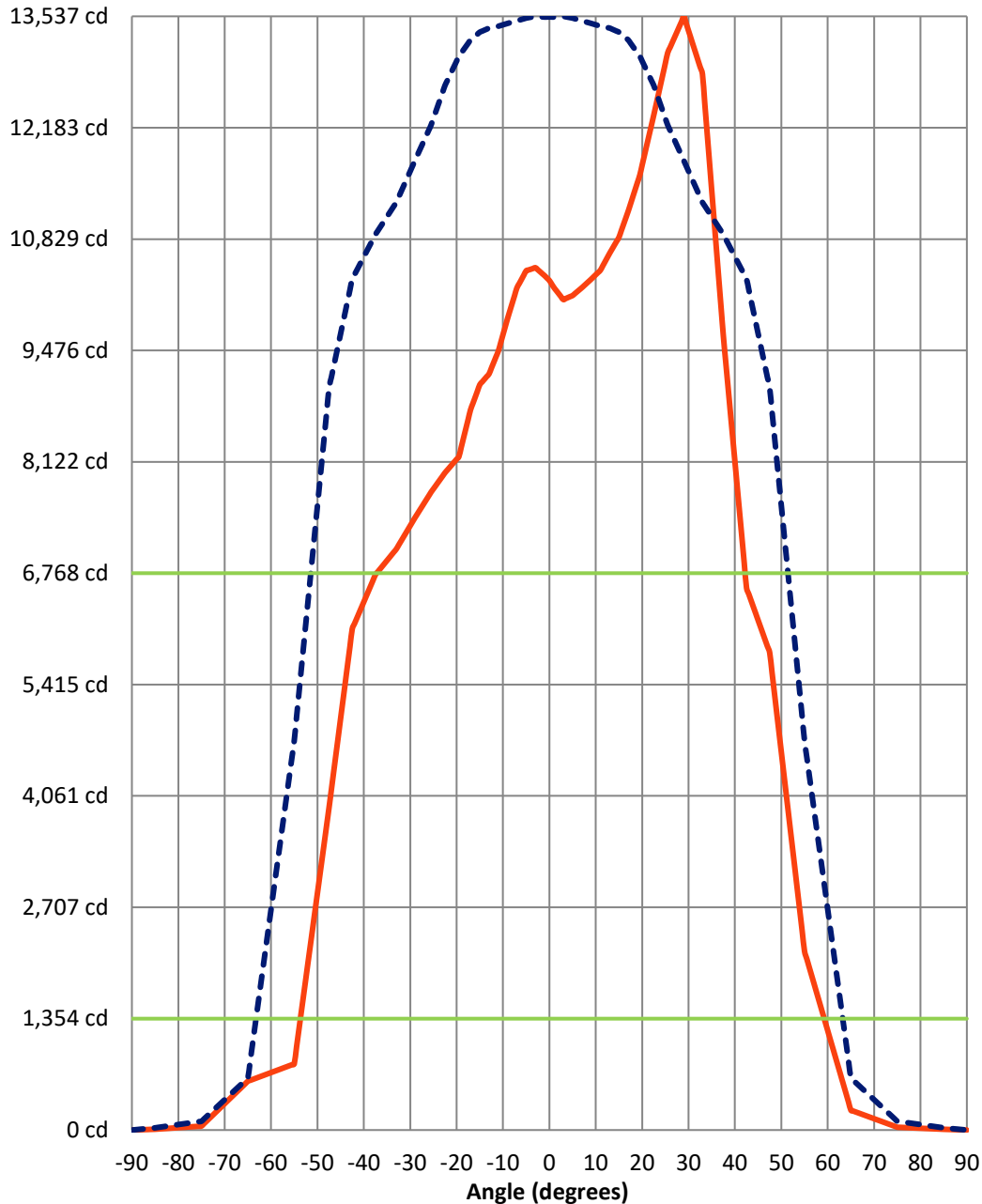
CATALOG NUMBER: UFLD-CA2-180-730-U-66

### Luminous Intensity Polar Plot



REPORT NUMBER: P507785  
 CATALOG NUMBER: UFLD-CA2-180-730-U-66

### Luminous Intensity Plot



**Beam:**  
 H Angle: 102.9°  
 V Angle: 79.4°  
 Lumens: 18846.2  
 Efficiency: 74.3%

**Field:**  
 H Angle: 126.5°  
 V Angle: 112.9°  
 Lumens: 24512.3  
 Efficiency: 96.6%

**Spill:**  
 Lumens: 852.7  
 Efficiency: 3.4%

— Vertical Distribution through 3-Deg  
 - - - Horizontal Distribution through 29-Deg



REPORT NUMBER: P507785

CATALOG NUMBER: UFLD-CA2-180-730-U-66

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°	0.5	4.3	9.1	21.4	27.9	32.7	35.9	37.5	38.0	38.0	36.4
75°	31.6	32.2	34.3	31.1	24.7	26.8	39.1	44.5	49.3	50.9	48.2
65°	244.4	242.7	241.1	239.5	232.6	222.4	218.6	240.1	294.7	351.5	379.4
55°	2132.8	2125.3	2175.6	2140.3	2209.9	2276.9	2301.0	2308.0	2316.0	2275.3	2220.1
47.5°	5782.0	5832.4	5800.8	5796.5	5760.1	5703.3	5669.0	5613.2	5564.5	5554.3	5387.6
42.5°	6634.6	6612.1	6591.2	6637.8	6611.0	6633.5	6630.9	6574.1	6534.4	6453.0	6371.5
37.5°	9615.7	9632.3	9653.2	9657.5	9670.3	9616.2	9578.7	9539.0	9462.9	9333.3	9147.3
33°	12838.4	12867.9	12832.5	12830.4	12858.8	12845.9	12790.7	12739.3	12626.2	12474.0	12301.5
29°	13529.1	13527.5	13536.6	13515.2	13482.5	13450.9	13416.6	13393.6	13344.3	13249.4	13051.7
25.5°	13069.4	13076.9	13092.4	13080.1	13038.8	13015.8	12986.3	12946.1	12860.4	12758.6	12590.3
22.5°	12299.3	12358.3	12335.2	12319.7	12284.3	12228.0	12239.3	12201.2	12134.8	12030.8	11854.0
19.5°	11584.5	11613.9	11608.0	11565.2	11543.2	11497.1	11475.7	11447.8	11391.5	11327.2	11206.7
17°	11126.8	11181.5	11169.7	11143.4	11109.1	11078.6	11040.0	11016.4	10970.4	10899.6	10753.3
15°	10855.1	10879.8	10850.9	10845.5	10850.3	10789.8	10765.1	10705.1	10690.6	10631.1	10502.0
13°	10625.8	10638.1	10657.4	10626.9	10621.5	10600.1	10548.6	10523.4	10473.1	10449.0	10355.7
11°	10445.7	10529.9	10450.6	10472.5	10447.9	10444.7	10415.7	10401.8	10364.3	10327.3	10270.0
9°	10352.0	10366.4	10341.2	10340.2	10328.9	10308.6	10301.6	10300.5	10293.0	10272.6	10237.3
7°	10237.3	10249.6	10237.8	10226.0	10217.5	10208.9	10233.0	10241.0	10275.9	10246.9	10213.2
5°	10159.0	10147.3	10143.0	10140.8	10162.3	10162.3	10209.4	10236.2	10268.9	10278.0	10234.1
3°	10092.1	10106.5	10093.7	10109.2	10151.5	10174.0	10237.3	10276.4	10297.8	10298.4	10280.7
1°	10196.0	10231.4	10238.4	10249.1	10264.6	10278.5	10325.7	10360.5	10337.5	10338.6	10266.8
0°	10293.5	10307.5	10325.7	10313.4	10333.7	10346.1	10379.8	10386.8	10377.7	10337.0	10240.5
-1°	10395.9	10392.7	10382.5	10380.4	10385.2	10370.7	10389.5	10366.4	10339.1	10302.7	10212.1
-3°	10469.3	10496.1	10481.6	10465.0	10412.5	10412.5	10391.6	10305.9	10268.9	10230.9	10103.3
-5°	10407.7	10442.0	10444.1	10391.1	10309.6	10288.2	10221.7	10170.3	10106.0	10043.8	9915.2
-7°	10270.5	10252.3	10236.2	10167.6	10114.0	10063.7	9975.2	9885.7	9869.1	9810.2	9697.1
-9°	9892.2	9905.0	9867.0	9848.8	9789.8	9724.5	9698.7	9635.0	9601.2	9548.7	9444.7
-11°	9516.5	9465.1	9468.8	9481.7	9439.9	9440.4	9412.6	9374.0	9369.2	9319.3	9231.5
-13°	9220.2	9216.4	9191.3	9212.7	9204.7	9205.7	9179.5	9174.6	9165.5	9131.2	9012.8
-15°	9024.6	9056.2	9059.4	9041.2	9045.5	9035.3	9025.7	9002.6	8995.7	8941.5	8817.8
-17°	8740.1	8750.8	8753.5	8751.8	8738.4	8749.2	8761.0	8751.8	8718.1	8676.8	8577.2
-19.5°	8213.8	8171.0	8186.0	8201.0	8205.3	8204.7	8221.9	8250.8	8224.0	8169.9	8087.4
-22.5°	8026.3	8017.2	7989.3	7998.4	7994.1	7980.7	7980.7	7982.9	7967.3	7910.5	7798.0
-25.5°	7744.9	7757.8	7753.5	7747.6	7746.6	7722.4	7723.5	7727.3	7696.7	7634.0	7532.7
-29°	7434.7	7443.2	7440.0	7425.6	7405.7	7362.3	7344.1	7303.4	7249.3	7214.4	7132.4
-33°	7081.5	7060.1	7061.2	7059.0	7032.8	7007.6	6977.0	6926.1	6870.4	6827.0	6740.2
-37.5°	6748.8	6761.1	6749.8	6753.6	6738.6	6713.4	6686.1	6647.5	6592.8	6530.1	6443.8
-42.5°	6113.2	6104.1	6090.2	6059.6	6047.3	5988.9	5953.0	5954.1	5941.7	5894.0	5812.1
-47.5°	3795.0	3895.8	3918.8	3899.0	3879.7	3871.7	3830.9	3827.7	3830.9	3805.2	3742.0
-55°	784.0	781.3	803.8	819.9	853.1	866.0	872.4	848.8	875.1	929.2	955.5
-65°	603.9	601.8	593.2	592.7	584.6	581.4	580.9	575.5	579.3	595.4	613.6
-75°	47.2	47.2	47.7	42.3	39.1	43.9	57.3	61.6	68.1	65.4	72.9
-85°	1.6	4.8	9.6	22.5	28.9	33.2	36.4	38.0	38.0	37.5	37.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P507785

CATALOG NUMBER: UFLD-CA2-180-730-U-66

**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°	33.8	31.6	30.0	27.9	24.1	20.4	17.7	15.0	17.1	15.0	18.2
75°	43.4	43.9	55.2	69.1	62.2	41.8	28.9	24.1	31.6	18.2	19.8
65°	330.6	213.3	132.4	99.7	80.9	68.6	84.1	63.8	58.9	29.5	20.9
55°	2083.5	1944.7	1842.9	1713.2	1670.8	1551.3	1255.0	510.7	93.8	47.7	22.5
47.5°	5207.1	4974.0	4710.8	4416.1	4162.1	3810.6	3122.0	1365.9	112.5	61.6	24.1
42.5°	6229.5	5964.2	5805.1	5590.2	5352.3	5273.5	4748.9	2352.5	115.7	70.2	24.7
37.5°	8988.2	8691.3	8282.4	7966.8	7717.1	7681.2	6697.9	3320.8	184.3	80.9	25.7
33°	11970.3	11535.2	10971.4	10484.3	10059.9	9678.9	8206.9	4100.5	429.2	93.2	26.3
29°	12696.9	12215.7	11781.1	11275.3	10885.1	10343.9	9016.0	4733.9	631.3	106.6	26.8
25.5°	12246.3	11885.6	11462.8	11065.2	10773.2	10395.4	9365.4	5088.1	794.7	119.0	27.3
22.5°	11581.2	11264.5	10913.0	10660.1	10501.5	10209.4	9338.6	5284.2	924.9	129.7	27.9
19.5°	10997.1	10776.4	10492.4	10335.9	10267.3	9916.3	9069.1	5480.9	1042.3	140.9	28.4
17°	10593.1	10402.9	10215.3	10141.4	10072.8	9619.4	8823.7	5618.6	1138.2	146.8	28.9
15°	10356.8	10219.1	10084.6	10031.5	9902.4	9358.5	8660.2	5710.2	1205.2	151.7	29.5
13°	10243.7	10153.1	10033.1	9932.4	9712.1	9122.7	8539.6	5818.0	1259.8	155.9	29.5
11°	10181.6	10097.4	9936.7	9787.7	9478.0	8914.2	8468.4	5910.7	1304.8	158.1	30.0
9°	10146.2	10044.9	9848.8	9586.2	9286.6	8733.1	8426.0	5977.6	1342.4	159.2	30.5
7°	10157.4	9991.3	9735.7	9434.0	9112.5	8621.6	8389.1	6026.4	1368.1	158.6	31.1
5°	10153.7	9937.2	9643.0	9333.8	8978.0	8517.7	8360.7	6065.0	1379.9	157.0	31.6
3°	10133.9	9910.4	9559.9	9187.5	8857.9	8434.6	8347.8	6089.6	1390.6	155.4	31.6
1°	10102.2	9845.6	9453.3	9105.0	8773.8	8356.4	8333.9	6099.8	1387.9	153.8	31.6
0°	10070.6	9814.5	9418.5	9062.1	8735.2	8314.0	8313.5	6125.5	1383.1	152.7	31.6
-1°	10019.2	9747.5	9357.4	8998.3	8684.9	8321.5	8314.6	6102.5	1377.7	151.1	32.2
-3°	9878.2	9624.2	9256.6	8903.0	8592.7	8266.9	8296.4	6080.0	1368.1	149.5	32.7
-5°	9718.6	9472.6	9143.0	8792.0	8486.1	8184.9	8254.6	6016.8	1345.6	148.4	32.7
-7°	9515.5	9330.6	8978.5	8637.7	8347.8	8068.1	8175.8	5955.7	1320.9	147.4	33.2
-9°	9307.5	9114.1	8800.6	8461.4	8195.1	7971.1	8068.1	5860.8	1288.2	146.3	33.2
-11°	9095.3	8896.0	8583.0	8268.0	8014.0	7818.9	7954.5	5754.7	1251.8	146.3	33.8
-13°	8841.3	8659.1	8375.1	8091.7	7847.8	7703.7	7832.3	5620.8	1207.3	146.8	33.8
-15°	8645.7	8451.2	8179.0	7913.7	7692.4	7585.3	7689.8	5449.8	1165.0	147.9	34.3
-17°	8412.6	8244.4	7995.7	7748.2	7548.3	7471.1	7547.2	5276.7	1110.3	148.4	34.3
-19.5°	7957.7	7804.4	7646.9	7484.0	7352.7	7328.0	7365.0	5049.5	1036.4	149.5	34.3
-22.5°	7651.7	7496.3	7324.8	7198.4	7108.3	7193.0	7146.4	4734.4	931.3	151.1	34.3
-25.5°	7400.9	7257.8	7086.4	6964.7	6913.3	7098.7	6945.4	4393.6	814.0	151.1	34.3
-29°	7014.0	6889.2	6735.4	6620.2	6592.3	6881.1	6555.8	3999.7	675.7	149.0	34.3
-33°	6590.1	6449.7	6294.3	6171.6	6119.6	6508.7	5913.3	3527.6	503.2	143.1	34.3
-37.5°	6320.1	6163.1	5989.4	5796.5	5679.2	5732.2	5054.3	2850.3	292.6	132.9	33.8
-42.5°	5666.8	5570.4	5356.6	5148.1	4840.5	4472.4	3768.8	2044.3	223.5	120.6	33.8
-47.5°	3746.8	3676.1	3607.5	3476.2	3183.1	2800.5	2353.5	1132.3	212.7	105.6	33.2
-55°	1035.3	1049.8	1111.9	1035.8	905.6	793.6	770.0	345.6	195.6	80.9	31.6
-65°	650.0	659.1	537.5	380.5	257.2	196.7	199.3	132.4	130.2	47.2	29.5
-75°	79.3	79.8	67.0	63.8	64.3	73.4	76.6	63.8	51.4	26.8	27.3
-85°	35.9	35.4	34.3	33.2	32.7	31.1	28.9	26.3	24.1	24.7	24.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P507785

CATALOG NUMBER: UFLD-CA2-180-730-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)