

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: P507787

Luminaire Tested: **UFLD-CA2-180-750-U-66**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507787  
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-CA2-180-750-U-66  
Description: UTILITY FLOOD, 6x6 OPTIC  
Light Source: (2) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

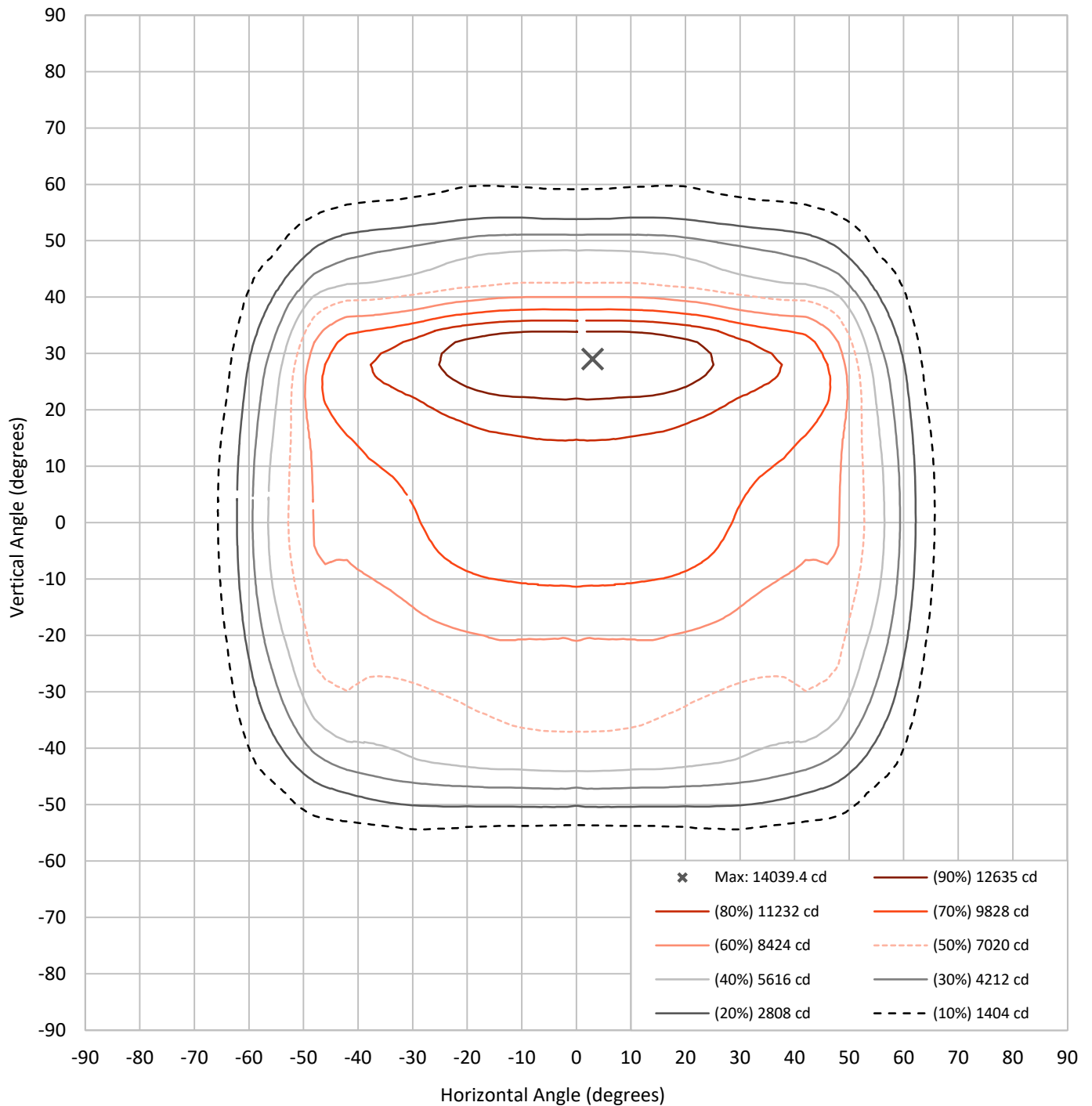
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	26307 lumens	Max Intensity:	14039.4 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	143.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.25' x L: 0.67' x H: 0')		
Beam Angle (50%):	102.9°H x 79.4°V	Field Angle (10%):	126.5°H x 112.9°V
Beam Lumens:	19546.1 lumens	Field Lumens:	25422.7 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: P507787

CATALOG NUMBER: UFLD-CA2-180-750-U-66

### Iso-Candela Plot

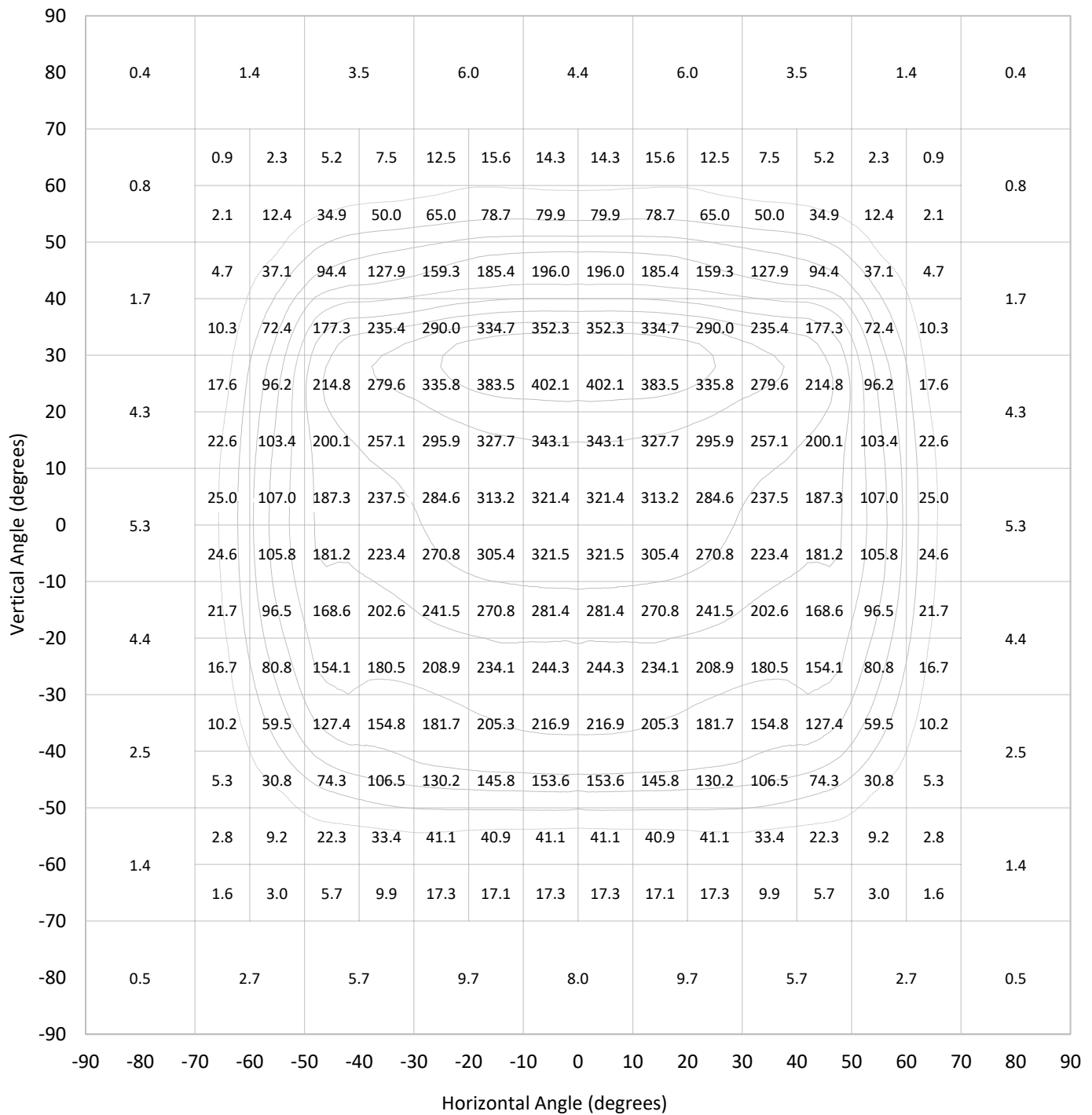




REPORT NUMBER: P507787

CATALOG NUMBER: UFLD-CA2-180-750-U-66

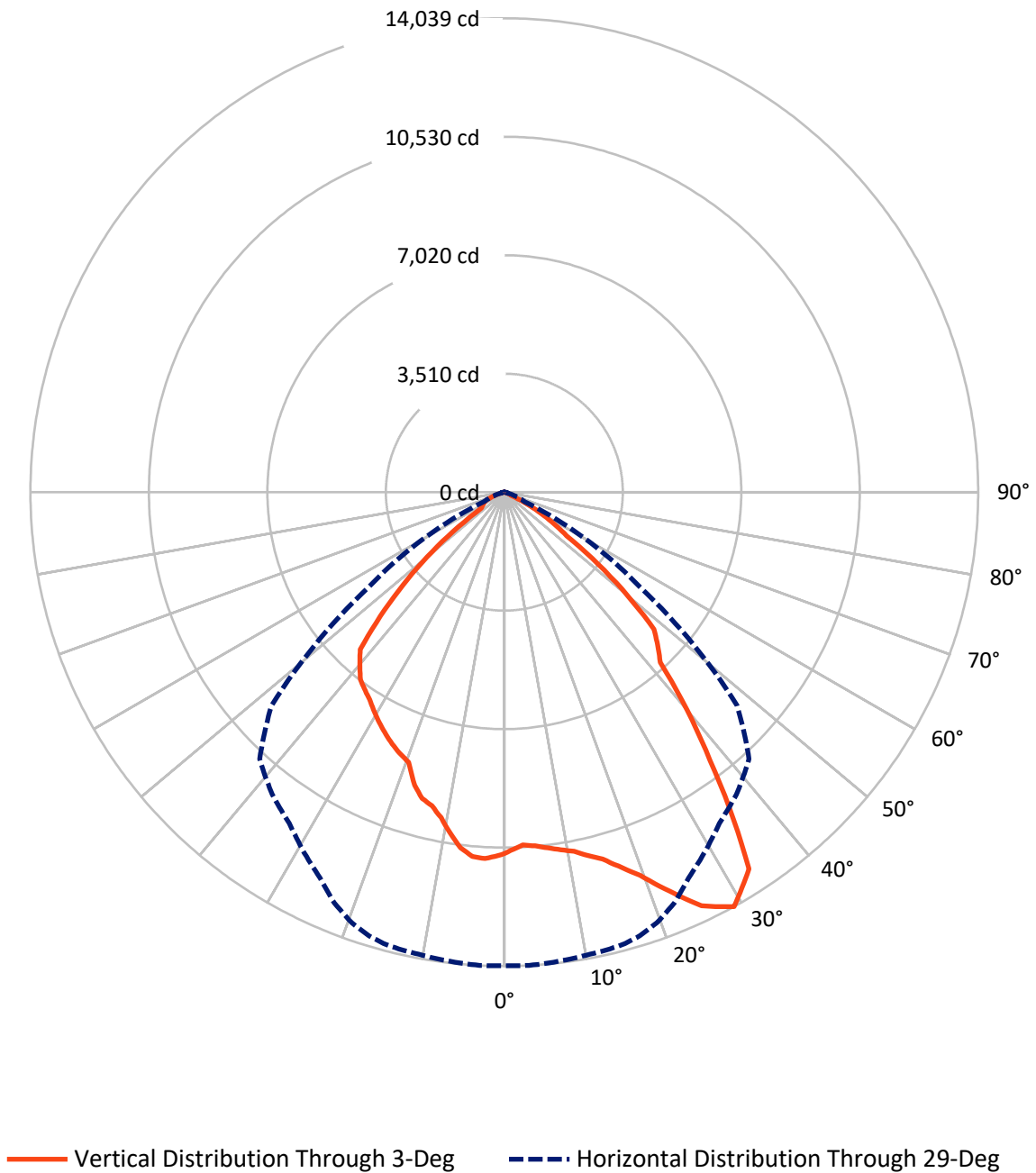
### Lumen Table



REPORT NUMBER: P507787

CATALOG NUMBER: UFLD-CA2-180-750-U-66

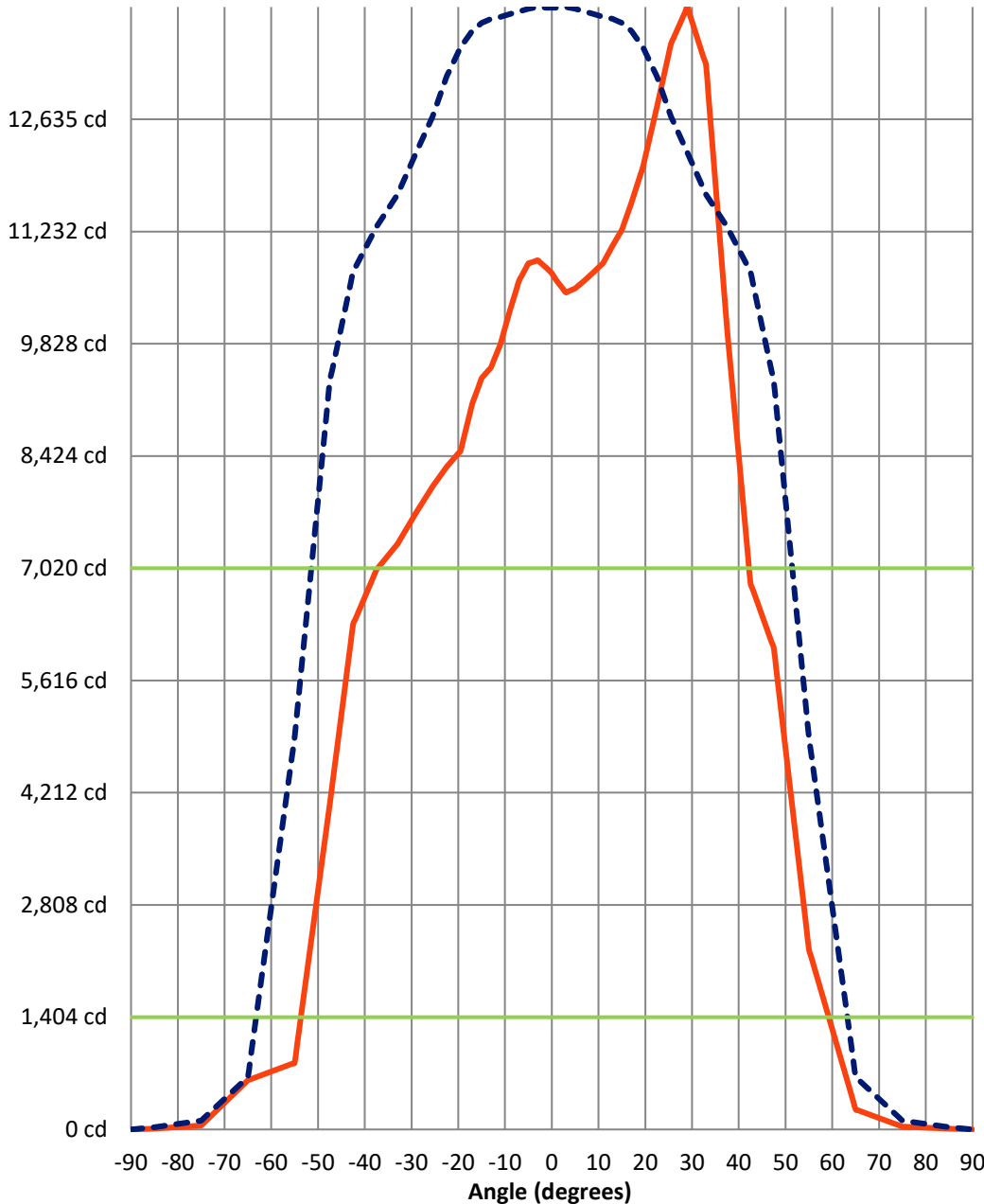
### Luminous Intensity Polar Plot



REPORT NUMBER: P507787

CATALOG NUMBER: UFLD-CA2-180-750-U-66

### Luminous Intensity Plot



**Beam:**  
 H Angle: 102.9°  
 V Angle: 79.4°  
 Lumens: 19546.1  
 Efficiency: 74.3%

**Field:**  
 H Angle: 126.5°  
 V Angle: 112.9°  
 Lumens: 25422.7  
 Efficiency: 96.6%

**Spill:**  
 Lumens: 884.3  
 Efficiency: 3.4%

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



REPORT NUMBER: P507787

CATALOG NUMBER: UFLD-CA2-180-750-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°	0.6	4.4	9.4	22.2	28.9	33.9	37.2	38.9	39.5	39.5	37.8
75°	32.8	33.3	35.6	32.2	25.6	27.8	40.6	46.1	51.1	52.8	50.0
65°	253.4	251.8	250.1	248.4	241.2	230.6	226.8	249.0	305.7	364.6	393.5
55°	2212.0	2204.2	2256.4	2219.8	2292.0	2361.5	2386.5	2393.7	2402.0	2359.8	2302.6
47.5°	5996.8	6049.0	6016.2	6011.8	5974.0	5915.1	5879.5	5821.7	5771.1	5760.6	5587.7
42.5°	6881.0	6857.7	6836.0	6884.3	6856.6	6879.9	6877.1	6818.2	6777.1	6692.6	6608.1
37.5°	9972.8	9990.0	10011.7	10016.1	10029.5	9973.3	9934.4	9893.3	9814.4	9679.9	9487.0
33°	13315.2	13345.8	13309.1	13306.9	13336.3	13323.0	13265.7	13212.4	13095.1	12937.3	12758.3
29°	14031.6	14029.9	14039.4	14017.1	13983.2	13950.4	13914.9	13891.0	13839.8	13741.5	13536.4
25.5°	13554.7	13562.5	13578.6	13565.8	13523.0	13499.1	13468.6	13426.9	13338.0	13232.4	13057.9
22.5°	12756.1	12817.2	12793.3	12777.2	12740.5	12682.2	12693.8	12654.4	12585.5	12477.6	12294.2
19.5°	12014.7	12045.2	12039.1	11994.7	11971.9	11924.1	11901.9	11873.0	11814.6	11747.9	11622.9
17°	11540.1	11596.7	11584.5	11557.3	11521.7	11490.0	11450.0	11425.6	11377.8	11304.4	11152.7
15°	11258.3	11283.8	11253.8	11248.3	11253.3	11190.5	11164.9	11102.7	11087.7	11026.0	10892.0
13°	11020.4	11033.2	11053.2	11021.5	11016.0	10993.7	10940.4	10914.3	10862.0	10837.0	10740.3
11°	10833.7	10920.9	10838.7	10861.5	10835.9	10832.6	10802.5	10788.1	10749.2	10710.8	10651.4
9°	10736.4	10751.4	10725.3	10724.2	10712.5	10691.4	10684.2	10683.1	10675.3	10654.2	10617.5
7°	10617.5	10630.3	10618.0	10605.8	10596.9	10588.0	10613.0	10621.4	10657.5	10627.5	10592.5
5°	10536.3	10524.1	10519.7	10517.4	10539.7	10539.7	10588.6	10616.4	10650.3	10659.7	10614.1
3°	10466.9	10481.9	10468.5	10484.6	10528.5	10551.9	10617.5	10658.0	10680.3	10680.8	10662.5
1°	10574.7	10611.4	10618.6	10629.7	10645.8	10660.3	10709.2	10745.3	10721.4	10722.5	10648.0
0°	10675.8	10690.3	10709.2	10696.4	10717.5	10730.3	10765.3	10772.5	10763.1	10720.8	10620.8
-1°	10782.0	10778.6	10768.1	10765.9	10770.9	10755.9	10775.3	10751.4	10723.1	10685.3	10591.3
-3°	10858.1	10885.9	10870.9	10853.7	10799.2	10799.2	10777.5	10688.6	10650.3	10610.8	10478.5
-5°	10794.2	10829.8	10832.0	10777.0	10692.5	10670.3	10601.4	10548.0	10481.3	10416.8	10283.5
-7°	10651.9	10633.0	10616.4	10545.2	10489.6	10437.4	10345.7	10252.9	10235.7	10174.5	10057.3
-9°	10259.6	10272.9	10233.4	10214.5	10153.4	10085.6	10058.9	9992.8	9957.8	9903.3	9795.5
-11°	9870.0	9816.6	9820.5	9833.8	9790.5	9791.0	9762.1	9722.1	9717.1	9665.4	9574.3
-13°	9562.6	9558.7	9532.6	9554.8	9546.5	9547.6	9520.4	9515.4	9505.9	9470.4	9347.5
-15°	9359.8	9392.5	9395.9	9377.0	9381.4	9370.9	9360.9	9337.0	9329.7	9273.6	9145.2
-17°	9064.6	9075.8	9078.5	9076.9	9063.0	9074.1	9086.3	9076.9	9041.9	8999.1	8895.7
-19.5°	8518.9	8474.4	8490.0	8505.5	8510.0	8509.4	8527.2	8557.2	8529.4	8473.3	8387.7
-22.5°	8324.4	8314.9	8286.0	8295.5	8291.0	8277.1	8277.1	8279.3	8263.2	8204.3	8087.6
-25.5°	8032.6	8045.9	8041.5	8035.4	8034.2	8009.2	8010.3	8014.2	7982.6	7917.5	7812.5
-29°	7710.8	7719.7	7716.3	7701.3	7680.8	7635.8	7616.9	7574.6	7518.5	7482.4	7397.3
-33°	7344.5	7322.3	7323.4	7321.2	7294.0	7267.8	7236.2	7183.4	7125.6	7080.5	6990.5
-37.5°	6999.4	7012.2	7000.5	7004.4	6988.8	6962.7	6934.4	6894.4	6837.7	6772.6	6683.2
-42.5°	6340.2	6330.8	6316.4	6284.7	6271.9	6211.3	6174.1	6175.2	6162.4	6112.9	6027.9
-47.5°	3936.0	4040.5	4064.4	4043.8	4023.8	4015.5	3973.2	3969.9	3973.2	3946.5	3881.0
-55°	813.1	810.3	833.7	850.3	884.8	898.1	904.8	880.3	907.6	963.7	990.9
-65°	626.4	624.1	615.2	614.7	606.3	603.0	602.5	596.9	600.8	617.5	636.4
-75°	48.9	48.9	49.5	43.9	40.6	45.6	59.5	63.9	70.6	67.8	75.6
-85°	1.7	5.0	10.0	23.3	30.0	34.5	37.8	39.5	39.5	38.9	38.3
-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: P507787

CATALOG NUMBER: UFLD-CA2-180-750-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°	35.0	32.8	31.1	28.9	25.0	21.1	18.3	15.6	17.8	15.6	18.9
75°	45.0	45.6	57.2	71.7	64.5	43.4	30.0	25.0	32.8	18.9	20.6
65°	342.9	221.2	137.3	103.4	83.9	71.1	87.3	66.1	61.1	30.6	21.7
55°	2160.8	2016.9	1911.3	1776.8	1732.9	1609.0	1301.6	529.7	97.3	49.5	23.3
47.5°	5400.4	5158.7	4885.8	4580.1	4316.7	3952.1	3237.9	1416.7	116.7	63.9	25.0
42.5°	6460.9	6185.7	6020.7	5797.8	5551.1	5469.4	4925.3	2439.8	120.0	72.8	25.6
37.5°	9322.0	9014.1	8590.0	8262.7	8003.7	7966.4	6946.6	3444.1	191.2	83.9	26.7
33°	12414.8	11963.6	11378.9	10873.7	10433.5	10038.4	8511.7	4252.8	445.2	96.7	27.2
29°	13168.5	12669.4	12218.7	11694.0	11289.4	10728.1	9350.9	4909.7	654.7	110.6	27.8
25.5°	12701.1	12327.0	11888.5	11476.1	11173.2	10781.4	9713.2	5277.1	824.2	123.4	28.3
22.5°	12011.3	11682.9	11318.3	11056.0	10891.5	10588.6	9685.4	5480.5	959.3	134.5	28.9
19.5°	11405.6	11176.6	10882.0	10719.7	10648.6	10284.6	9405.9	5684.4	1081.0	146.2	29.5
17°	10986.5	10789.2	10594.7	10518.0	10446.8	9976.7	9151.3	5827.3	1180.5	152.3	30.0
15°	10741.4	10598.6	10459.1	10404.1	10270.1	9706.0	8981.8	5922.3	1249.9	157.3	30.6
13°	10624.1	10530.2	10405.7	10301.2	10072.8	9461.5	8856.8	6034.0	1306.6	161.7	30.6
11°	10559.7	10472.4	10305.7	10151.2	9829.9	9245.3	8782.9	6130.2	1353.3	164.0	31.1
9°	10523.0	10417.9	10214.5	9942.2	9631.5	9057.4	8739.0	6199.6	1392.2	165.1	31.7
7°	10534.7	10362.4	10097.3	9784.4	9450.9	8941.8	8700.6	6250.2	1418.9	164.5	32.2
5°	10530.8	10306.2	10001.1	9680.4	9311.4	8834.0	8671.2	6290.2	1431.1	162.8	32.8
3°	10510.2	10278.5	9915.0	9528.7	9186.9	8747.9	8657.8	6315.8	1442.2	161.2	32.8
1°	10477.4	10211.2	9804.4	9443.1	9099.7	8666.7	8643.4	6326.4	1439.4	159.5	32.8
0°	10444.6	10179.0	9768.3	9398.7	9059.6	8622.8	8622.2	6353.0	1434.4	158.4	32.8
-1°	10391.3	10109.5	9704.9	9332.5	9007.4	8630.6	8623.4	6329.1	1428.9	156.7	33.3
-3°	10245.1	9981.7	9600.4	9233.6	8911.8	8573.9	8604.5	6305.8	1418.9	155.1	33.9
-5°	10079.5	9824.4	9482.6	9118.6	8801.2	8488.9	8561.1	6240.2	1395.5	153.9	33.9
-7°	9868.8	9677.1	9312.0	8958.5	8657.8	8367.7	8479.4	6176.9	1370.0	152.8	34.5
-9°	9653.2	9452.6	9127.4	8775.6	8499.4	8267.1	8367.7	6078.5	1336.1	151.7	34.5
-11°	9433.1	9226.4	8901.8	8575.0	8311.6	8109.3	8249.9	5968.4	1298.3	151.7	35.0
-13°	9169.7	8980.7	8686.2	8392.2	8139.3	7989.8	8123.2	5829.5	1252.2	152.3	35.0
-15°	8966.8	8765.1	8482.8	8207.6	7978.1	7867.0	7975.3	5652.2	1208.2	153.4	35.6
-17°	8725.1	8550.6	8292.7	8035.9	7828.6	7748.6	7827.5	5472.7	1151.6	153.9	35.6
-19.5°	8253.2	8094.3	7930.9	7761.9	7625.7	7600.2	7638.5	5237.0	1074.9	155.1	35.6
-22.5°	7935.9	7774.7	7596.8	7465.7	7372.3	7460.1	7411.8	4910.2	965.9	156.7	35.6
-25.5°	7675.8	7527.4	7349.5	7223.4	7170.0	7362.3	7203.4	4556.8	844.2	156.7	35.6
-29°	7274.5	7145.0	6985.5	6866.0	6837.1	7136.7	6799.3	4148.3	700.8	154.5	35.6
-33°	6834.9	6689.3	6528.1	6400.8	6346.9	6750.4	6132.9	3658.6	521.9	148.4	35.6
-37.5°	6554.8	6391.9	6211.9	6011.8	5890.1	5945.1	5242.0	2956.2	303.5	137.8	35.0
-42.5°	5877.3	5777.3	5555.5	5339.3	5020.3	4638.5	3908.7	2120.3	231.8	125.0	35.0
-47.5°	3886.0	3812.6	3741.5	3605.3	3301.3	2904.5	2441.0	1174.3	220.6	109.5	34.5
-55°	1073.8	1088.8	1153.2	1074.3	939.3	823.1	798.6	358.5	202.9	83.9	32.8
-65°	674.2	683.6	557.4	394.6	266.8	204.0	206.7	137.3	135.1	48.9	30.6
-75°	82.3	82.8	69.5	66.1	66.7	76.1	79.5	66.1	53.4	27.8	28.3
-85°	37.2	36.7	35.6	34.5	33.9	32.2	30.0	27.2	25.0	25.6	25.6
-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: P507787

CATALOG NUMBER: UFLD-CA2-180-750-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)