

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: P571688

Luminaire Tested: **UFLD-L-CA4-320-750-U-66-TS2HW_NFFLD**

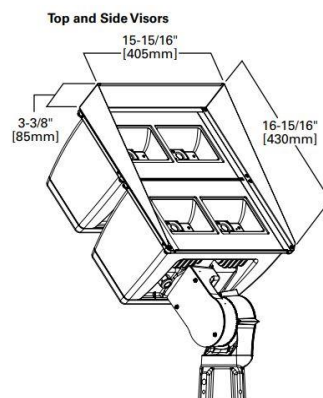
Issue Date: 9/21/2021

Test Information

Test Method: LM-79-08
Report Number: P571688
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2109-378-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UFLD-L-CA4-320-750-U-66-TS2HW_NFFLD
Description: FLOOD LIGHT LARGE, 6x6 OPTIC WITH TOP AND SIDE VISOR
Light Source: (4) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

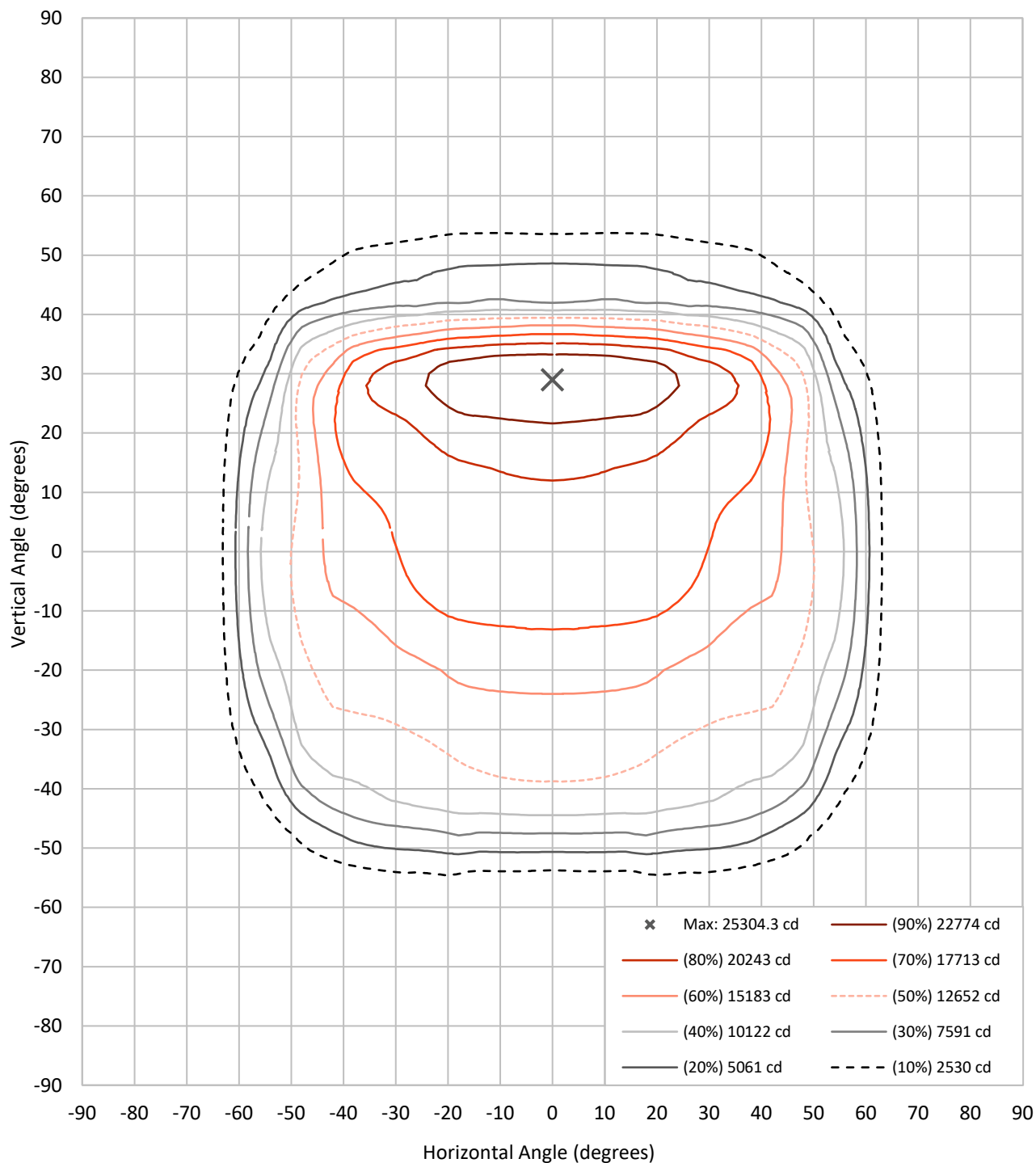
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	43979 lumens	Max Intensity:	25304.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	136.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.33' x L: 1.42' x H: 0')		
Beam Angle (50%):	96.7°H x 78.2°V	Field Angle (10%):	121.2°H x 107.4°V
Beam Lumens:	31928.5 lumens	Field Lumens:	42750 lumens
Beam Efficiency:	72.6%	Field Efficiency:	97.2%
Input Watts (W):	322.4		
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:	25 FT		



REPORT NUMBER: P571688

CATALOG NUMBER: UFLD-L-CA4-320-750-U-66-TS2HW_NFFLD

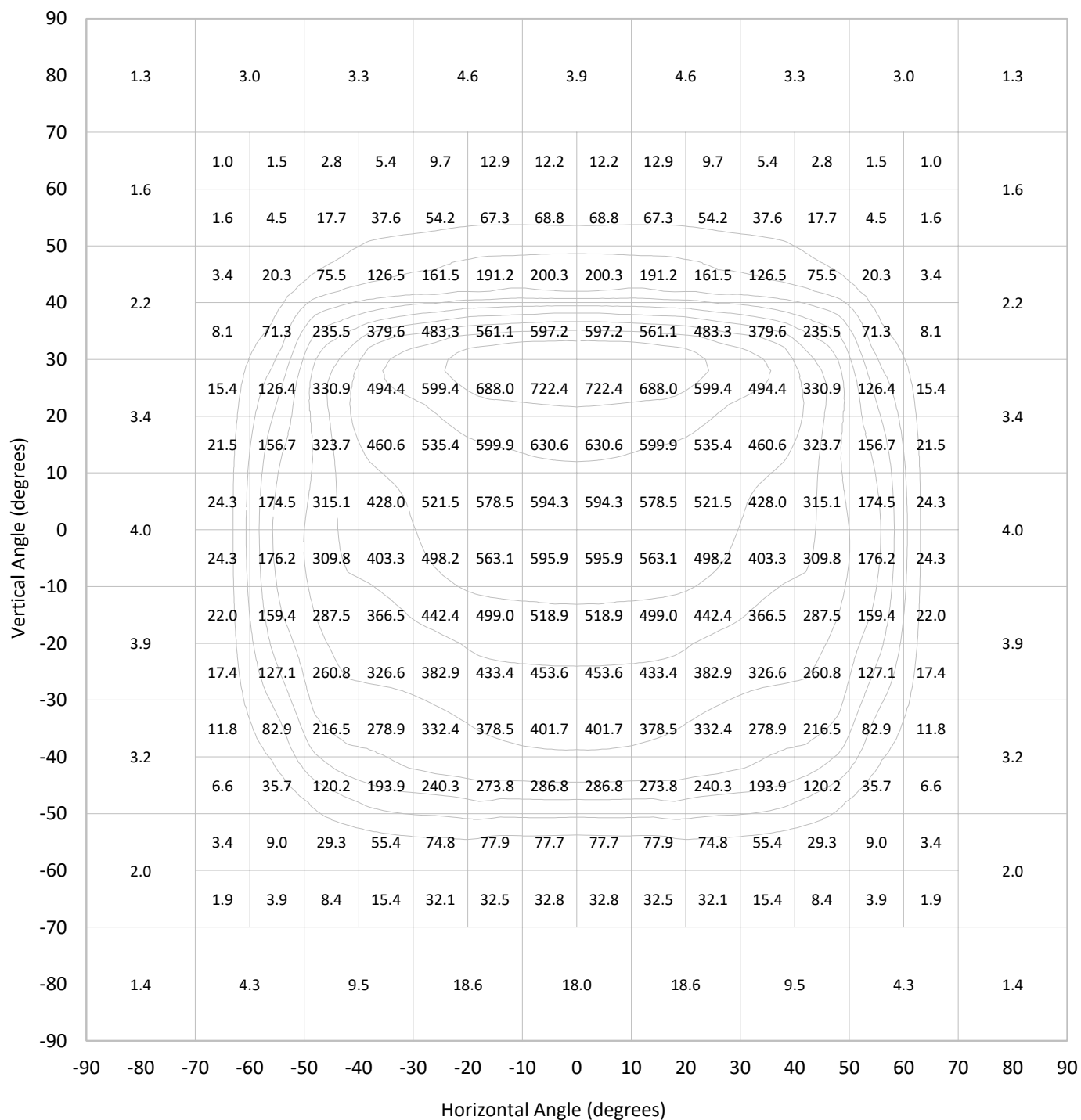
Iso-Candela Plot



REPORT NUMBER: P571688

CATALOG NUMBER: UFLD-L-CA4-320-750-U-66-TS2HW_NFFLD

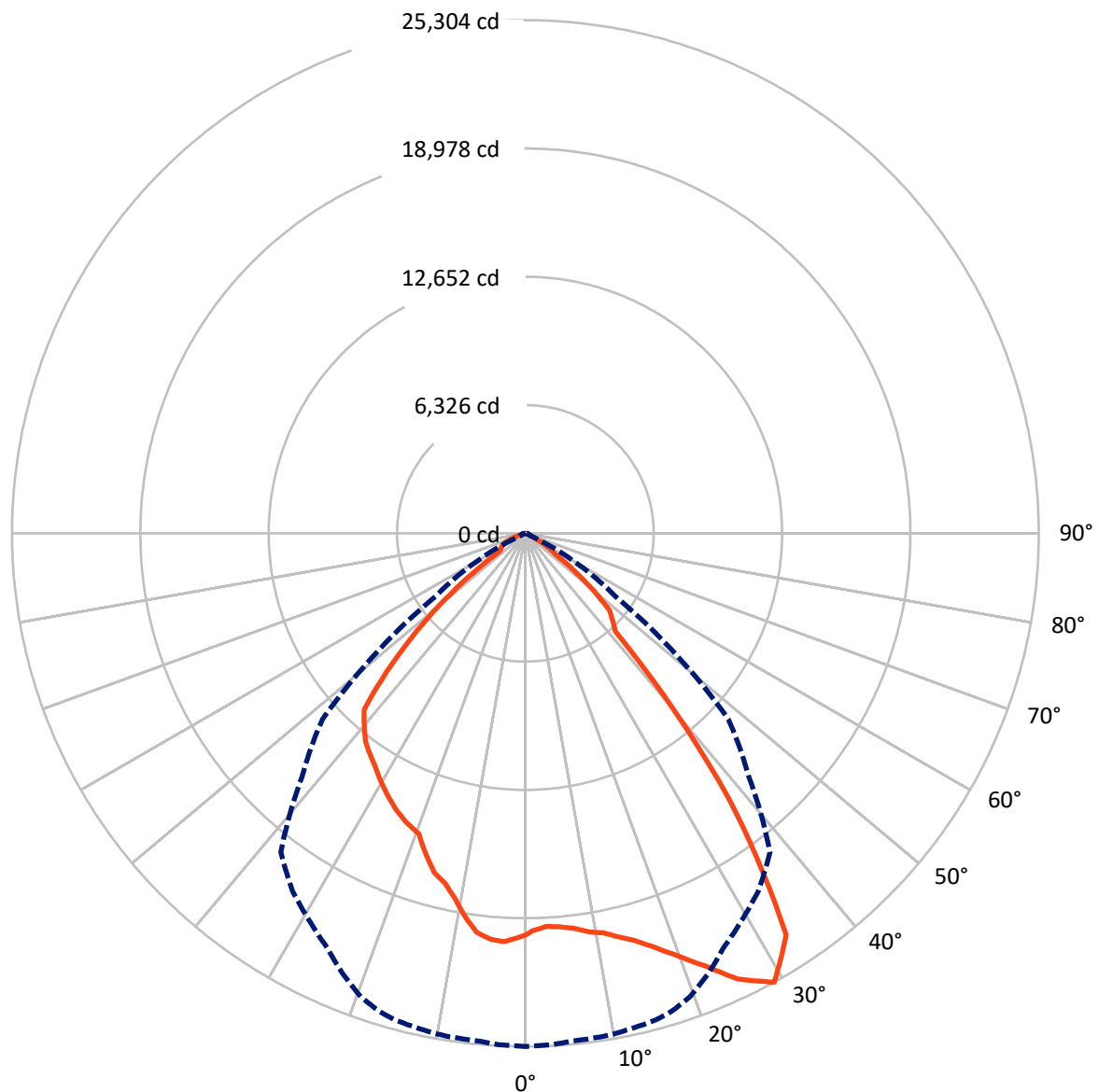
Lumen Table



REPORT NUMBER: P571688

CATALOG NUMBER: UFLD-L-CA4-320-750-U-66-TS2HW_NFFLD

Luminous Intensity Polar Plot



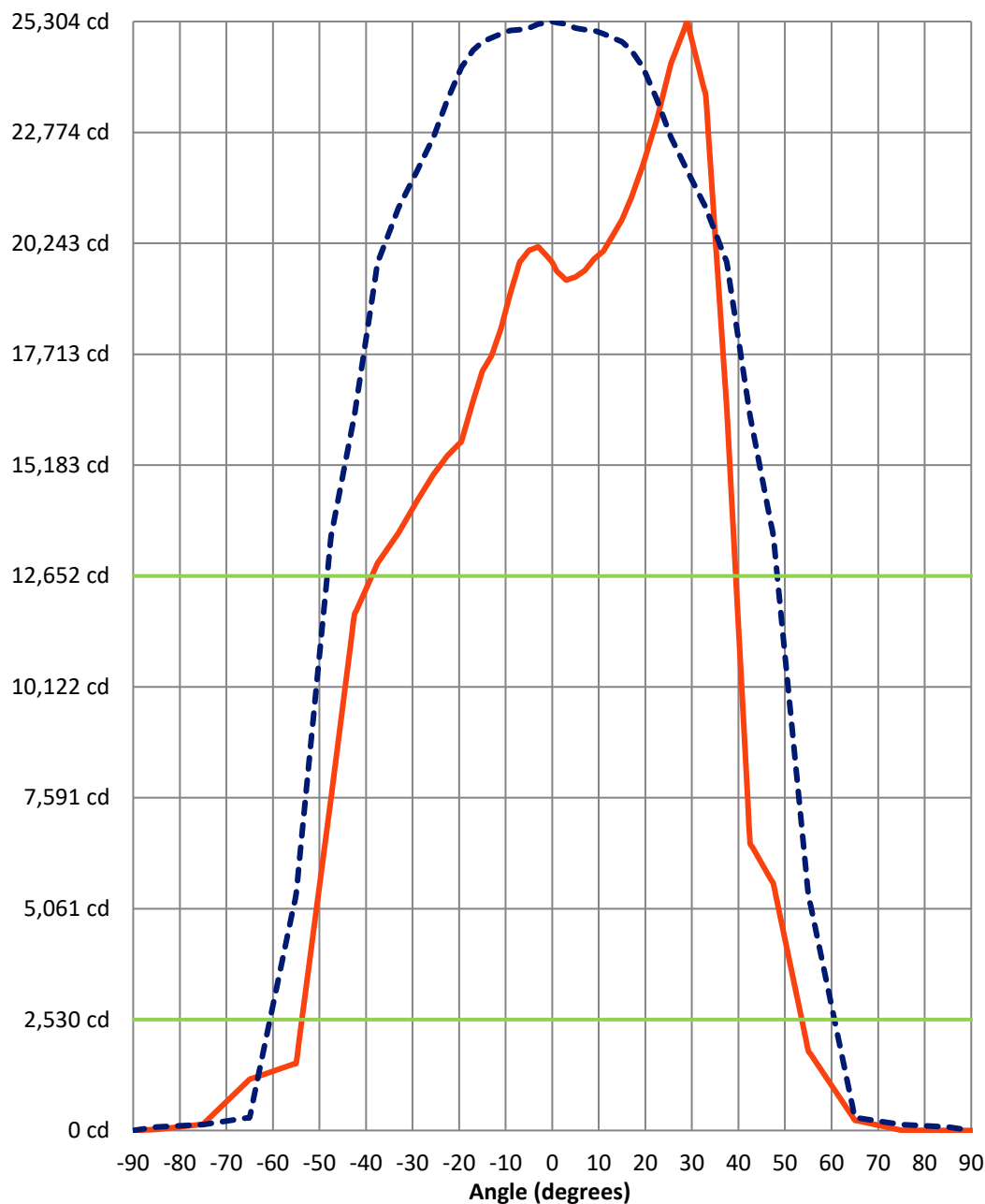
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 29-Deg

REPORT NUMBER: P571688

CATALOG NUMBER: UFLD-L-CA4-320-750-U-66-TS2HW_NFFLD

Luminous Intensity Plot



— Vertical Distribution through 0-Deg
- - Horizontal Distribution through 29-Deg

REPORT NUMBER: P571688

CATALOG NUMBER: UFLD-L-CA4-320-750-U-66-TS2HW_NFFLD

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	11.6	26.2	33.0	35.9	38.8	41.7	43.7	43.7	42.7	40.8
75°	4.9	6.8	15.5	20.4	23.3	25.2	27.2	26.2	27.2	25.2	25.2
65°	235.9	235.9	234.9	228.1	214.5	199.9	192.2	212.6	266.0	316.4	328.1
55°	1822.8	1800.5	1796.6	1874.3	1875.3	1932.5	1936.4	1951.9	1906.3	1938.3	1879.1
47.5°	5628.7	5632.6	5598.6	5576.3	5545.2	5481.1	5436.5	5404.5	5399.6	5357.9	5184.1
42.5°	6558.5	6568.2	6658.5	6711.9	6863.3	7044.8	7187.5	7017.6	6867.2	6532.3	6637.2
37.5°	16463.8	16478.4	16460.9	16425.9	16054.2	15957.1	15882.4	15662.1	15558.2	15515.5	15335.9
33°	23596.0	23686.2	23633.8	23562.0	23612.5	23560.1	23449.4	23224.2	22819.5	22613.7	22336.1
29°	25304.3	25279.0	25246.0	25154.8	25117.9	25099.5	25023.8	24933.5	24839.4	24647.2	24256.0
25.5°	24342.4	24260.9	24264.7	24178.4	24112.4	24097.8	24025.0	23921.1	23831.8	23648.4	23239.8
22.5°	23073.8	23052.4	23009.7	22933.0	22891.3	22793.3	22709.8	22619.5	22595.3	22529.3	22212.8
19.5°	22035.2	22010.0	22010.0	21970.2	21912.9	21816.8	21695.5	21605.2	21550.9	21525.6	21296.6
17°	21287.8	21264.5	21256.8	21195.6	21145.1	21056.8	20932.6	20815.1	20726.8	20680.2	20514.2
15°	20787.0	20749.1	20743.3	20716.1	20662.7	20571.5	20449.2	20340.5	20263.8	20170.6	20003.7
13°	20421.1	20377.4	20369.6	20327.9	20273.5	20189.1	20090.1	19999.8	19936.7	19839.6	19691.1
11°	20067.7	20097.8	20072.6	20033.8	19972.6	19900.8	19828.0	19770.7	19719.3	19659.1	19555.3
9°	19886.2	19825.1	19829.0	19794.0	19753.3	19701.8	19651.3	19594.1	19589.2	19583.4	19501.9
7°	19623.2	19603.8	19632.9	19613.5	19556.2	19563.0	19521.3	19532.0	19562.0	19593.1	19602.8
5°	19476.6	19465.0	19475.7	19469.8	19449.5	19457.2	19452.4	19509.6	19600.9	19759.1	19898.9
3°	19404.8	19425.2	19422.3	19424.2	19468.9	19487.3	19534.9	19617.4	19730.9	19864.9	19882.4
1°	19606.7	19630.0	19641.6	19684.3	19760.1	19763.9	19763.0	19811.5	19832.9	20148.3	20128.9
0°	19806.6	19819.3	19824.1	19829.0	19858.1	19872.6	19829.9	19817.3	19783.4	20013.4	19898.9
-1°	19936.7	19965.8	19946.4	19976.5	20004.7	19933.8	19874.6	19803.7	19758.1	19877.5	19646.5
-3°	20162.9	20141.5	20093.0	20088.1	20094.0	19981.4	19829.0	19750.3	19615.4	19547.5	19454.3
-5°	20080.4	20072.6	20015.3	19982.3	19916.3	19734.8	19585.3	19460.1	19316.5	19103.9	18965.1
-7°	19807.6	19710.6	19685.3	19631.9	19434.9	19276.7	19098.1	18954.4	18755.5	18634.1	18535.1
-9°	19103.9	19058.3	19069.9	19000.1	18765.2	18633.2	18510.9	18390.5	18270.1	18180.8	18114.8
-11°	18301.2	18218.7	18281.8	18221.6	18105.1	18048.8	18009.0	17942.1	17897.4	17839.2	17765.4
-13°	17685.8	17647.0	17699.4	17670.3	17608.2	17611.1	17600.4	17570.3	17543.1	17470.3	17340.3
-15°	17323.8	17277.2	17296.6	17306.3	17281.1	17272.3	17263.6	17231.6	17185.0	17094.7	16933.6
-17°	16643.4	16567.7	16594.8	16596.8	16591.9	16565.7	16606.5	16586.1	16577.4	16515.2	16367.7
-19.5°	15723.2	15692.2	15689.2	15694.1	15707.7	15712.5	15733.9	15732.9	15723.2	15647.5	15496.1
-22.5°	15397.1	15392.2	15374.8	15387.4	15379.6	15369.9	15364.1	15336.9	15273.8	15204.9	15025.3
-25.5°	14971.0	14962.2	14988.4	14962.2	14922.4	14901.1	14848.7	14792.4	14732.2	14685.6	14500.2
-29°	14370.2	14365.3	14343.9	14326.5	14266.3	14203.2	14117.8	14060.5	13941.1	13865.4	13644.1
-33°	13638.3	13615.0	13581.0	13555.8	13519.9	13461.6	13406.3	13303.4	13187.9	13075.3	12864.7
-37.5°	12947.2	12975.4	12949.2	12943.3	12897.7	12829.8	12749.2	12653.1	12545.4	12425.0	12232.8
-42.5°	11758.2	11761.1	11754.3	11706.8	11617.5	11541.7	11450.5	11395.2	11363.1	11294.2	11111.8
-47.5°	7589.3	7605.8	7607.8	7628.2	7587.4	7555.4	7529.2	7496.2	7484.5	8058.2	7632.1
-55°	1535.5	1542.3	1582.1	1649.1	1687.0	1706.4	1659.8	1619.0	1620.9	1795.7	2034.4
-65°	1166.7	1160.9	1157.0	1148.3	1141.5	1129.8	1140.5	1153.1	1145.3	1166.7	1191.9
-75°	142.7	143.7	144.6	143.7	131.0	143.7	160.2	154.3	162.1	167.9	166.9
-85°	24.3	23.3	32.0	39.8	43.7	51.4	58.2	63.1	65.0	66.0	66.0
-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: P571688

CATALOG NUMBER: UFLD-L-CA4-320-750-U-66-TS2HW_NFFLD

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°	37.9	35.9	34.0	33.0	34.0	36.9	41.7	49.5	63.1	68.9	73.8
75°	24.3	24.3	26.2	34.0	34.9	39.8	44.6	51.4	64.1	69.9	74.7
65°	261.1	156.3	113.6	96.1	77.7	67.0	67.0	72.8	76.7	74.7	75.7
55°	1753.0	1578.2	1424.9	1316.2	1031.8	695.9	473.7	162.1	114.5	80.6	76.7
47.5°	4987.1	4687.2	4418.3	4135.8	3875.7	2787.6	1819.0	344.6	166.9	87.4	77.7
42.5°	6677.0	5770.4	6103.3	5788.8	5355.0	4855.1	3738.9	1245.3	190.2	98.0	77.7
37.5°	14624.5	14048.9	13536.4	12608.5	11461.2	9731.5	8270.7	2446.0	208.7	109.7	78.6
33°	21948.8	20866.6	19954.2	19333.0	17729.5	14047.9	11851.4	3720.4	248.5	122.3	79.6
29°	23520.3	22666.1	21900.3	21054.9	19802.8	16306.6	13559.7	5395.7	296.0	133.9	79.6
25.5°	22568.1	21824.6	21133.5	20526.9	19716.4	17122.9	14244.0	6646.9	343.6	146.6	79.6
22.5°	21548.0	20801.5	20143.5	19695.0	19331.0	17402.4	14048.9	7530.1	391.2	157.2	79.6
19.5°	20722.9	20044.4	19487.3	19149.5	19020.4	17335.4	13586.9	8301.8	444.5	166.9	80.6
17°	19972.6	19435.9	19013.6	18860.3	18769.0	17111.2	13318.0	8922.0	490.2	172.8	80.6
15°	19584.4	19119.4	18814.7	18736.0	18451.6	16850.1	13157.8	9367.5	517.3	178.6	80.6
13°	19327.2	18951.5	18742.8	18533.2	18068.2	16579.3	13079.2	9783.0	536.8	182.5	80.6
11°	19168.0	18876.8	18634.1	18242.0	17644.1	16379.4	13075.3	10132.4	546.5	186.4	81.5
9°	19215.5	18871.9	18475.9	17923.6	17304.4	16216.3	13116.1	10404.2	544.5	189.3	81.5
7°	19285.4	18891.3	18322.6	17625.6	17001.5	16121.2	13174.3	10623.5	533.8	192.2	81.5
5°	19349.5	18903.0	18245.9	17379.1	16750.1	16020.2	13249.1	10803.1	529.0	195.1	81.5
3°	19354.3	18885.5	18143.0	17135.5	16548.2	15948.4	13331.6	10945.8	524.1	197.0	81.5
1°	19281.5	18774.9	17989.6	16916.1	16398.8	15883.4	13418.0	11025.4	521.2	196.1	81.5
0°	19225.2	18664.2	17881.9	16817.1	16299.8	15839.7	13461.6	11045.8	513.5	194.1	81.5
-1°	19116.5	18576.9	17765.4	16756.9	16230.8	15775.6	13489.8	11028.3	509.6	193.2	81.5
-3°	18888.4	18325.5	17582.0	16603.6	16052.3	15639.7	13544.2	10992.4	512.5	191.2	81.5
-5°	18585.6	18071.2	17390.8	16431.8	15847.5	15467.0	13550.9	10896.3	519.3	190.2	81.5
-7°	18257.5	17779.0	17089.9	16174.6	15580.5	15214.6	13507.3	10748.7	509.6	190.2	81.5
-9°	17851.8	17356.8	16669.6	15843.6	15292.3	14929.2	13412.1	10548.8	505.7	191.2	81.5
-11°	17425.7	16902.5	16251.2	15514.5	14980.7	14633.2	13282.1	10316.8	505.7	190.2	82.5
-13°	16988.9	16446.3	15846.5	15190.3	14707.9	14290.6	13104.5	10035.3	501.8	192.2	81.5
-15°	16548.2	15998.9	15485.4	14889.4	14455.6	13991.6	12891.9	9687.8	499.9	195.1	81.5
-17°	15973.6	15500.0	15070.0	14575.9	14161.5	13718.9	12658.0	9298.6	495.0	197.0	81.5
-19.5°	15122.4	14717.6	14400.2	14083.8	13771.3	13359.7	12369.7	8742.5	482.4	198.0	81.5
-22.5°	14627.4	14212.9	13892.6	13612.1	13366.5	13036.5	12046.5	8005.7	461.0	198.0	81.5
-25.5°	14127.5	13751.9	13414.1	13124.8	12955.0	12742.4	11780.5	7187.5	444.5	195.1	81.5
-29°	13352.0	13070.5	12757.0	12463.8	12329.9	12206.6	11390.3	6121.8	434.8	189.3	81.5
-33°	12573.5	12286.2	11955.2	11611.6	11472.8	11410.7	10444.9	4732.8	433.9	178.6	81.5
-37.5°	11955.2	11651.4	11265.1	10848.7	10503.2	10237.2	8946.3	3519.5	426.1	162.1	81.5
-42.5°	10838.0	10644.9	10160.5	9829.6	9161.8	8128.0	6329.5	2282.9	391.2	135.9	80.6
-47.5°	7244.8	7015.7	6848.8	6635.2	6037.3	4695.9	3223.5	845.4	354.3	106.8	80.6
-55°	1993.7	1864.6	1966.5	1712.2	1362.8	1001.7	841.5	312.5	276.6	92.2	79.6
-65°	1291.9	1333.6	979.4	609.6	380.5	287.3	411.5	185.4	141.7	84.4	78.6
-75°	157.2	138.8	110.7	122.3	130.1	118.4	109.7	79.6	78.6	78.6	77.7
-85°	64.1	62.1	60.2	59.2	57.3	56.3	57.3	60.2	67.9	74.7	75.7
-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: P571688

CATALOG NUMBER: UFLD-L-CA4-320-750-U-66-TS2HW_NFFLD

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)