

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: P507827

Luminaire Tested: **UFLD-L-CA4-320-730-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507827
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-L-CA4-320-730-U-66
Description: UTILITY FLOOD LARGE, 6x6 OPTIC
Light Source: (4) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	45955 lumens	Max Intensity:	24525 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	142.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.33' x L: 1.42' 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:	34144.6 lumens	Field Lumens:	44410.2 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%

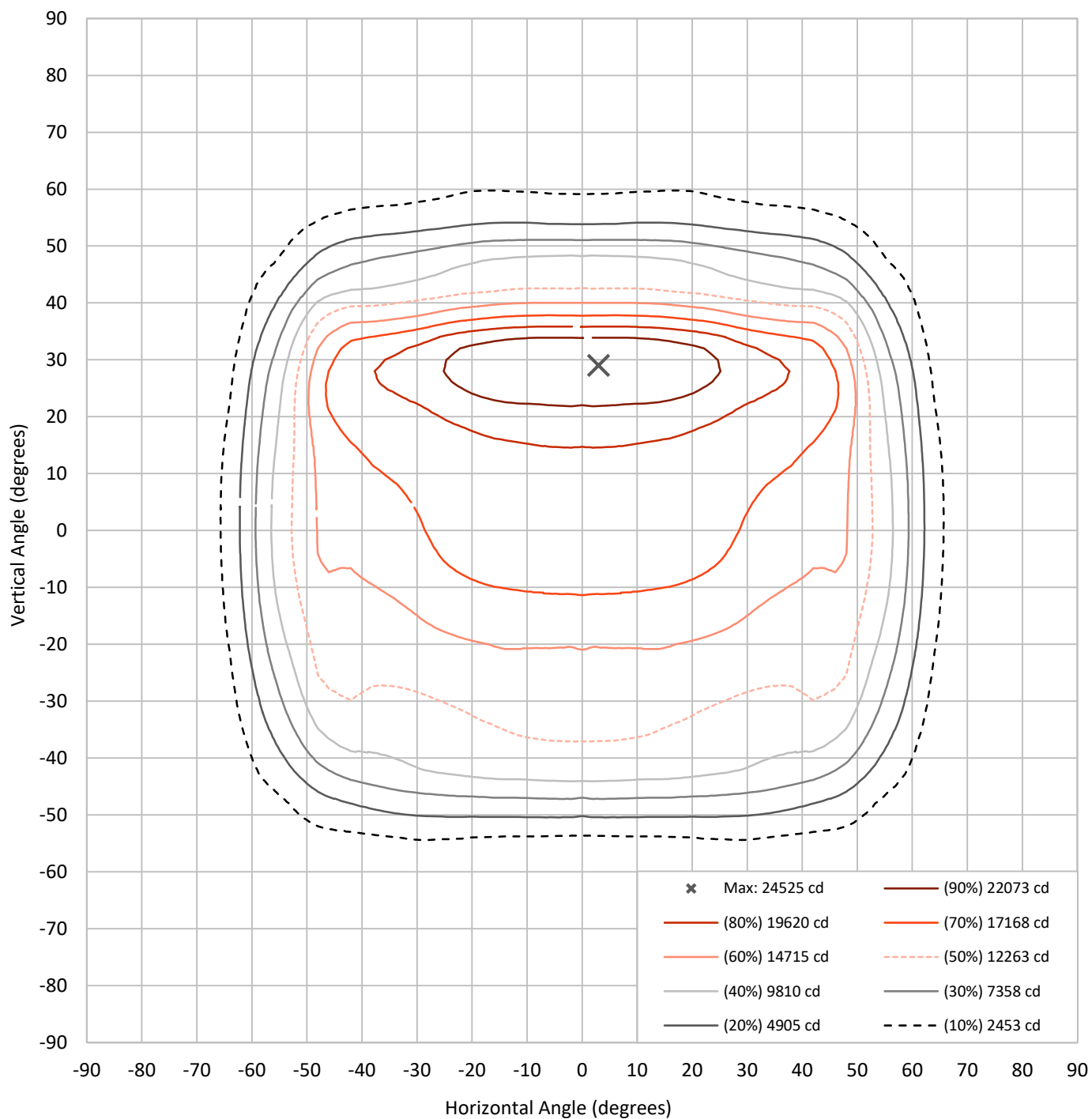
Input Watts (W): 322.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P507827

CATALOG NUMBER: UFLD-L-CA4-320-730-U-66

Iso-Candela Plot

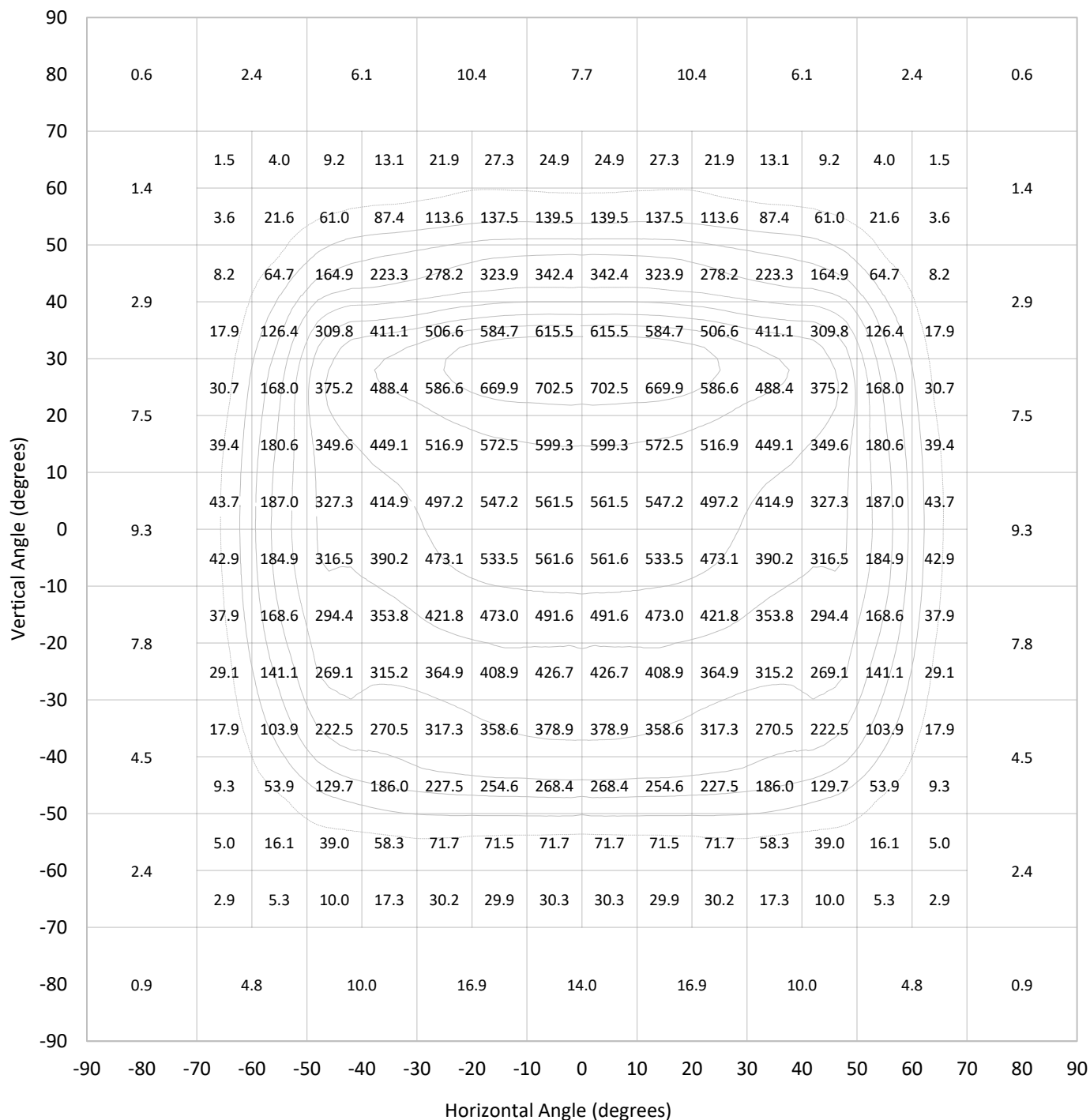




REPORT NUMBER: P507827

CATALOG NUMBER: UFLD-L-CA4-320-730-U-66

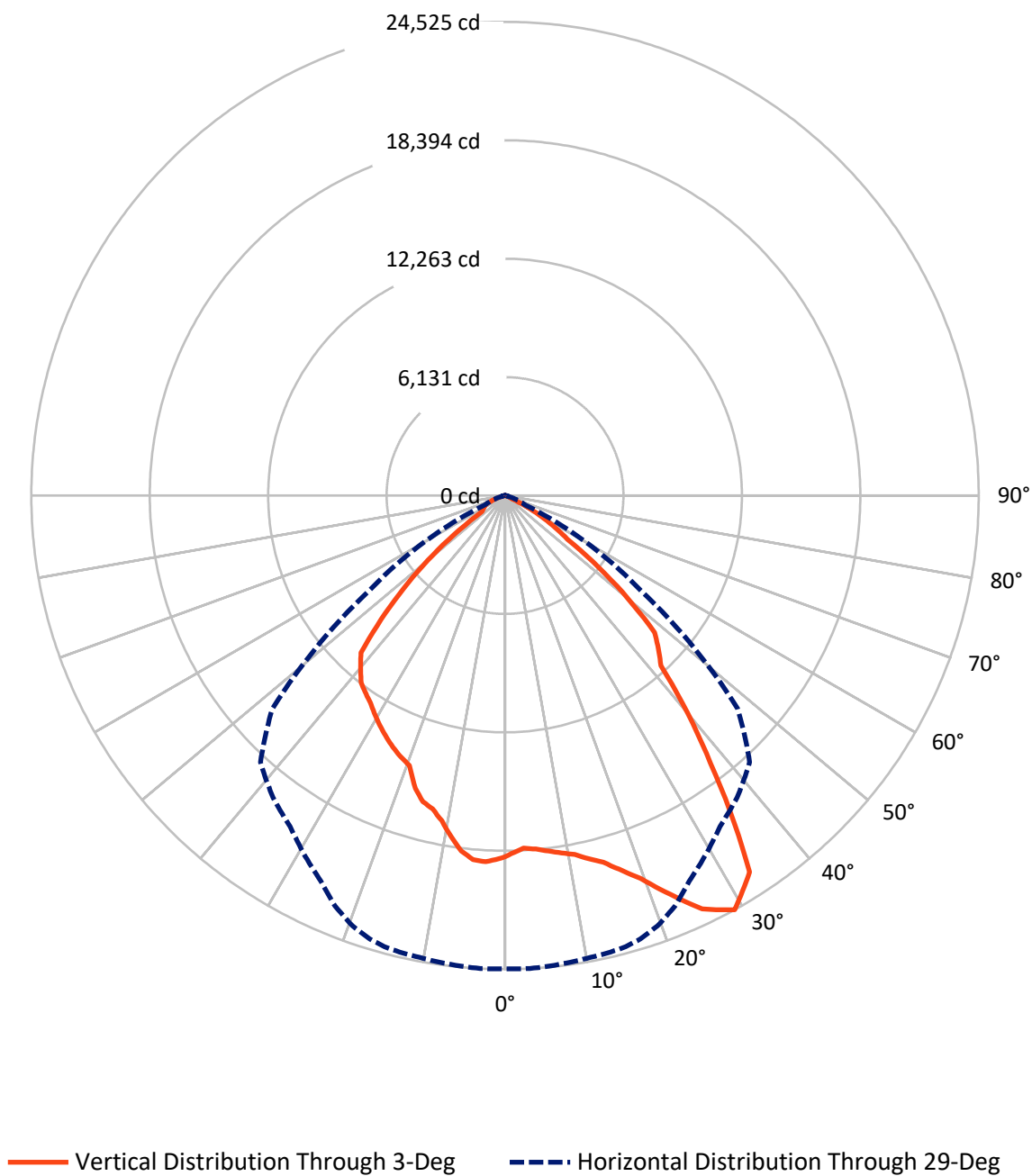
Lumen Table



REPORT NUMBER: P507827

CATALOG NUMBER: UFLD-L-CA4-320-730-U-66

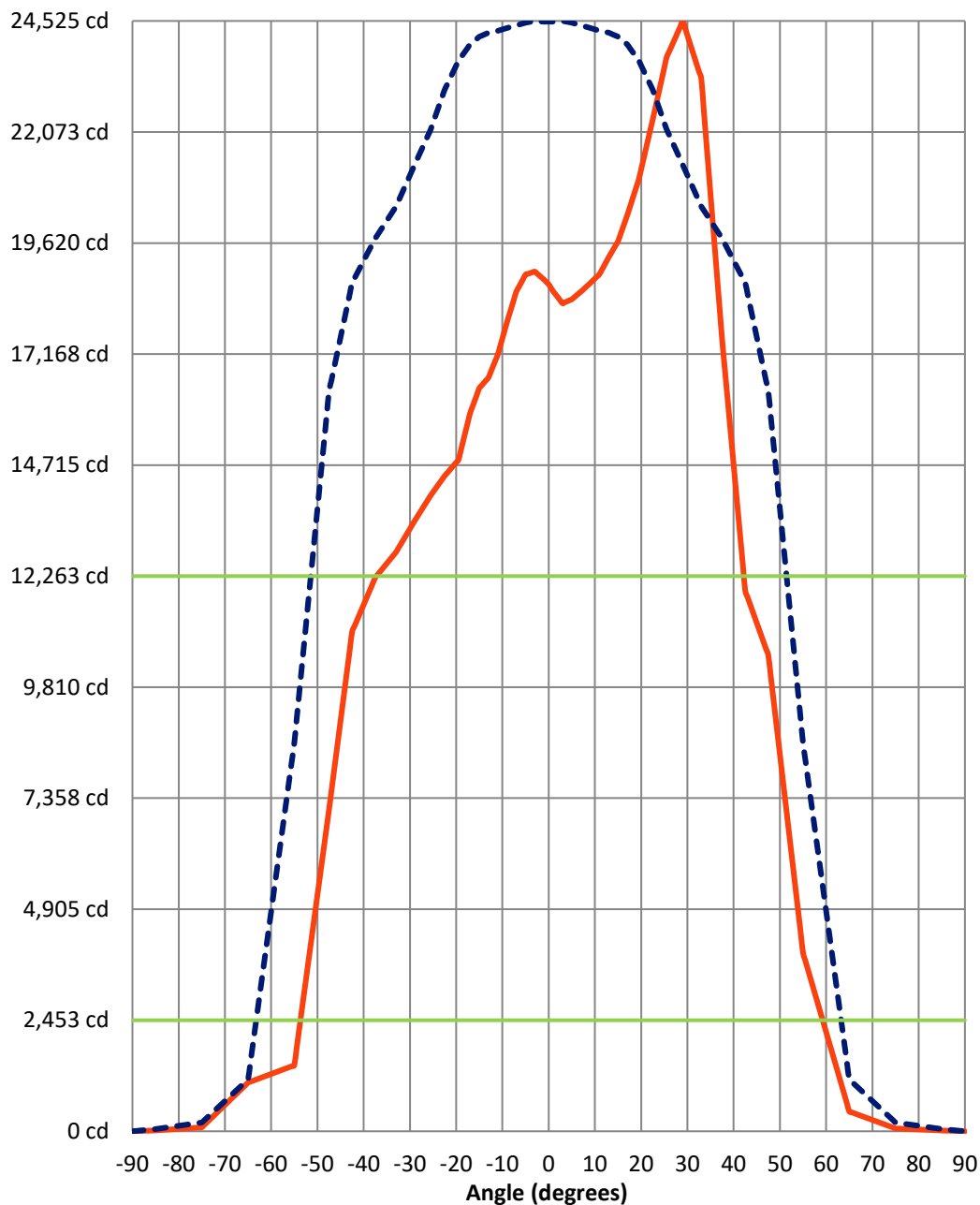
Luminous Intensity Polar Plot



REPORT NUMBER: P507827

CATALOG NUMBER: UFLD-L-CA4-320-730-U-66

Luminous Intensity Plot



Beam:

H Angle: 102.9°
V Angle: 79.4°
Lumens: 34144.6
Efficiency: 74.3%

Field:

H Angle: 126.5°
V Angle: 112.9°
Lumens: 44410.2
Efficiency: 96.6%

Spill:

Lumens: 1544.8
Efficiency: 3.4%

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



REPORT NUMBER: P507827

CATALOG NUMBER: UFLD-L-CA4-320-730-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°	1.0	7.8	16.5	38.8	50.5	59.2	65.0	68.0	68.9	68.9	66.0
75°	57.3	58.3	62.1	56.3	44.7	48.5	70.9	80.6	89.3	92.2	87.4
65°	442.7	439.8	436.9	434.0	421.4	402.9	396.1	434.9	534.0	636.9	687.4
55°	3864.0	3850.4	3941.7	3877.6	4003.8	4125.2	4168.9	4181.5	4196.1	4122.3	4022.3
47.5°	10475.6	10566.9	10509.6	10501.8	10435.8	10332.9	10270.8	10169.8	10081.4	10063.0	9761.1
42.5°	12020.3	11979.5	11941.6	12026.1	11977.5	12018.3	12013.5	11910.6	11838.7	11691.1	11543.6
37.5°	17421.2	17451.3	17489.1	17496.9	17520.2	17422.1	17354.2	17282.3	17144.5	16909.5	16572.6
33°	23260.0	23313.3	23249.3	23245.4	23296.8	23273.5	23173.5	23080.3	22875.5	22599.8	22287.1
29°	24511.4	24508.5	24525.0	24486.2	24426.9	24369.6	24307.5	24265.8	24176.4	24004.6	23646.4
25.5°	23678.4	23692.0	23720.1	23697.8	23623.1	23581.3	23527.9	23455.1	23299.8	23115.3	22810.4
22.5°	22283.3	22390.1	22348.3	22320.2	22256.1	22154.1	22174.5	22105.6	21985.2	21796.9	21476.5
19.5°	20988.1	21041.5	21030.8	20953.2	20913.4	20829.9	20791.0	20740.6	20638.6	20522.1	20303.7
17°	20159.0	20258.0	20236.7	20189.1	20127.0	20071.6	20001.7	19959.0	19875.5	19747.4	19482.3
15°	19666.8	19711.4	19659.0	19649.3	19658.0	19548.3	19503.7	19394.9	19368.7	19261.0	19027.0
13°	19251.3	19273.6	19308.5	19253.2	19243.5	19204.7	19111.5	19065.8	18974.6	18930.9	18761.9
11°	18925.0	19077.5	18933.8	18973.6	18928.9	18923.1	18870.7	18845.4	18777.5	18710.5	18606.6
9°	18755.1	18781.4	18735.7	18733.8	18713.4	18676.5	18663.9	18661.9	18648.3	18611.5	18547.4
7°	18547.4	18569.7	18548.3	18527.0	18511.5	18495.9	18539.6	18554.2	18617.3	18564.9	18503.7
5°	18405.6	18384.3	18376.5	18372.6	18411.5	18411.5	18496.9	18545.4	18604.7	18621.2	18541.6
3°	18284.3	18310.5	18287.2	18315.3	18392.0	18432.8	18547.4	18618.3	18657.1	18658.1	18626.0
1°	18472.6	18536.7	18549.3	18568.7	18596.9	18622.1	18707.6	18770.7	18728.9	18730.9	18600.8
0°	18649.3	18674.6	18707.6	18685.2	18722.1	18744.5	18805.6	18818.2	18801.7	18728.0	18553.2
-1°	18834.8	18828.9	18810.5	18806.6	18815.3	18789.1	18823.1	18781.4	18731.8	18665.8	18501.7
-3°	18967.8	19016.3	18990.1	18960.0	18864.9	18864.9	18827.0	18671.6	18604.7	18535.7	18304.7
-5°	18856.1	18918.2	18922.1	18826.0	18678.4	18639.6	18519.2	18426.0	18309.5	18196.9	17963.9
-7°	18607.6	18574.6	18545.4	18421.2	18324.1	18232.8	18072.6	17910.5	17880.4	17773.6	17568.7
-9°	17922.1	17945.4	17876.5	17843.5	17736.7	17618.3	17571.7	17456.1	17395.0	17299.8	17111.5
-11°	17241.6	17148.4	17155.2	17178.5	17102.7	17103.7	17053.2	16983.3	16974.6	16884.3	16725.1
-13°	16704.7	16697.9	16652.3	16691.1	16676.5	16678.5	16630.9	16622.2	16605.7	16543.5	16329.0
-15°	16350.3	16407.6	16413.4	16380.4	16388.2	16369.7	16352.3	16310.5	16297.9	16199.8	15975.6
-17°	15834.8	15854.2	15859.1	15856.1	15831.9	15851.3	15872.6	15856.1	15795.0	15720.2	15539.6
-19.5°	14881.4	14803.7	14830.9	14858.1	14865.9	14864.9	14896.0	14948.4	14899.8	14801.8	14652.3
-22.5°	14541.6	14525.1	14474.6	14491.1	14483.3	14459.1	14459.1	14463.0	14434.8	14331.9	14128.0
-25.5°	14031.9	14055.2	14047.4	14036.7	14034.8	13991.1	13993.1	13999.9	13944.5	13830.9	13647.4
-29°	13469.8	13485.3	13479.5	13453.3	13417.3	13338.7	13305.7	13231.9	13133.8	13070.7	12922.2
-33°	12830.0	12791.1	12793.1	12789.2	12741.6	12696.0	12640.6	12548.4	12447.4	12368.8	12211.5
-37.5°	12227.1	12249.4	12229.0	12235.8	12208.6	12163.0	12113.5	12043.6	11944.5	11830.9	11674.6
-42.5°	11075.6	11059.1	11033.9	10978.5	10956.2	10850.4	10785.3	10787.3	10764.9	10678.5	10530.0
-47.5°	6875.7	7058.2	7099.9	7064.0	7029.1	7014.5	6940.7	6934.9	6940.7	6894.1	6779.5
-55°	1420.4	1415.5	1456.3	1485.4	1545.6	1568.9	1580.6	1537.8	1585.4	1683.5	1731.0
-65°	1094.2	1090.3	1074.7	1073.8	1059.2	1053.4	1052.4	1042.7	1049.5	1078.6	1111.6
-75°	85.4	85.4	86.4	76.7	70.9	79.6	103.9	111.6	123.3	118.4	132.0
-85°	2.9	8.7	17.5	40.8	52.4	60.2	66.0	68.9	68.9	68.0	67.0
-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: P507827

CATALOG NUMBER: UFLD-L-CA4-320-730-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°	61.2	57.3	54.4	50.5	43.7	36.9	32.0	27.2	31.1	27.2	33.0
75°	78.6	79.6	100.0	125.2	112.6	75.7	52.4	43.7	57.3	33.0	35.9
65°	599.0	386.4	239.8	180.6	146.6	124.3	152.4	115.5	106.8	53.4	37.9
55°	3774.7	3523.3	3338.8	3103.9	3027.2	2810.7	2273.8	925.2	169.9	86.4	40.8
47.5°	9433.9	9011.6	8534.9	8000.9	7540.7	6903.8	5656.3	2474.7	203.9	111.6	43.7
42.5°	11286.3	10805.7	10517.4	10128.0	9697.0	9554.3	8603.8	4262.1	209.7	127.2	44.7
37.5°	16284.3	15746.4	15005.7	14433.8	13981.4	13916.4	12134.8	6016.4	334.0	146.6	46.6
33°	21687.2	20898.8	19877.5	18994.9	18226.0	17535.7	14868.8	7429.0	777.7	168.9	47.6
29°	23003.6	22131.8	21344.4	20427.9	19721.2	18740.6	16334.8	8576.6	1143.7	193.2	48.5
25.5°	22187.1	21533.8	20767.7	20047.4	19518.2	18833.8	16967.8	9218.4	1439.8	215.5	49.5
22.5°	20982.3	20408.5	19771.6	19313.4	19026.0	18496.9	16919.2	9573.7	1675.7	234.9	50.5
19.5°	19924.1	19524.1	19009.5	18726.0	18601.7	17965.8	16430.9	9930.0	1888.3	255.3	51.5
17°	19192.0	18847.4	18507.6	18373.6	18249.3	17428.0	15986.2	10179.5	2062.1	266.0	52.4
15°	18763.9	18514.4	18270.7	18174.6	17940.6	16955.2	15690.1	10345.5	2183.5	274.8	53.4
13°	18559.0	18395.0	18177.5	17995.0	17595.9	16528.0	15471.7	10540.7	2282.5	282.5	53.4
11°	18446.4	18294.0	18002.7	17732.8	17171.7	16150.3	15342.6	10708.6	2364.1	286.4	54.4
9°	18382.3	18198.8	17843.5	17367.8	16825.1	15822.2	15265.9	10830.0	2432.0	288.3	55.3
7°	18402.7	18101.8	17638.7	17092.1	16509.5	15620.2	15198.9	10918.3	2478.6	287.4	56.3
5°	18395.9	18003.7	17470.7	16910.5	16265.8	15431.9	15147.4	10988.2	2500.0	284.5	57.3
3°	18360.0	17955.2	17320.2	16645.5	16048.4	15281.4	15124.1	11032.9	2519.4	281.6	57.3
1°	18302.7	17837.7	17127.0	16495.9	15895.9	15139.6	15098.9	11051.3	2514.5	278.6	57.3
0°	18245.4	17781.4	17063.9	16418.3	15826.0	15062.9	15062.0	11097.9	2505.8	276.7	57.3
-1°	18152.2	17660.0	16953.2	16302.7	15734.8	15076.5	15063.9	11056.2	2496.1	273.8	58.3
-3°	17896.9	17436.7	16770.7	16129.9	15567.8	14977.5	15030.9	11015.4	2478.6	270.9	59.2
-5°	17607.6	17162.0	16564.9	15929.0	15374.6	14829.0	14955.2	10900.9	2437.8	268.9	59.2
-7°	17239.6	16904.7	16266.8	15649.4	15124.1	14617.3	14812.5	10790.2	2393.2	267.0	60.2
-9°	16862.9	16512.4	15944.5	15329.9	14847.4	14441.6	14617.3	10618.3	2334.0	265.0	60.2
-11°	16478.5	16117.3	15550.3	14979.5	14519.3	14165.9	14411.5	10426.1	2267.9	265.0	61.2
-13°	16018.3	15688.2	15173.6	14660.0	14218.3	13957.1	14190.1	10183.4	2187.4	266.0	61.2
-15°	15663.9	15311.5	14818.3	14337.7	13936.7	13742.6	13931.9	9873.7	2110.7	268.0	62.1
-17°	15241.6	14936.7	14486.3	14037.7	13675.6	13535.8	13673.6	9560.1	2011.6	268.9	62.1
-19.5°	14417.3	14139.7	13854.2	13559.1	13321.2	13276.6	13343.5	9148.4	1877.7	270.9	62.1
-22.5°	13863.0	13581.4	13270.7	13041.6	12878.5	13031.9	12947.4	8577.6	1687.4	273.8	62.1
-25.5°	13408.6	13149.4	12838.7	12618.3	12525.1	12861.0	12583.4	7960.1	1474.7	273.8	62.1
-29°	12707.6	12481.4	12202.8	11994.0	11943.6	12466.9	11877.5	7246.5	1224.3	269.9	62.1
-33°	11939.7	11685.3	11403.8	11181.4	11087.3	11792.1	10713.5	6391.2	911.6	259.2	62.1
-37.5°	11450.4	11165.9	10851.3	10501.8	10289.2	10385.3	9157.2	5164.0	530.1	240.8	61.2
-42.5°	10266.9	10092.1	9704.8	9327.1	8769.8	8102.8	6828.1	3703.8	404.9	218.4	61.2
-47.5°	6788.3	6660.1	6535.9	6298.0	5766.9	5073.7	4264.0	2051.4	385.4	191.3	60.2
-55°	1875.7	1901.9	2014.5	1876.7	1640.8	1437.8	1395.1	626.2	354.4	146.6	57.3
-65°	1177.7	1194.2	973.8	689.3	466.0	356.3	361.2	239.8	235.9	85.4	53.4
-75°	143.7	144.7	121.4	115.5	116.5	133.0	138.8	115.5	93.2	48.5	49.5
-85°	65.0	64.1	62.1	60.2	59.2	56.3	52.4	47.6	43.7	44.7	44.7
-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: P507827

CATALOG NUMBER: UFLD-L-CA4-320-730-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)