

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: P507820

Luminaire Tested: **UFLD-L-CA4-270-727-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507820
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-CA4-270-727-U-66
Description: UTILITY FLOOD LARGE, 6x6 OPTIC
Light Source: (4) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	34130 lumens	Max Intensity:	18214.3 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	128.6 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:	25358.6 lumens	Field Lumens:	32982.7 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%

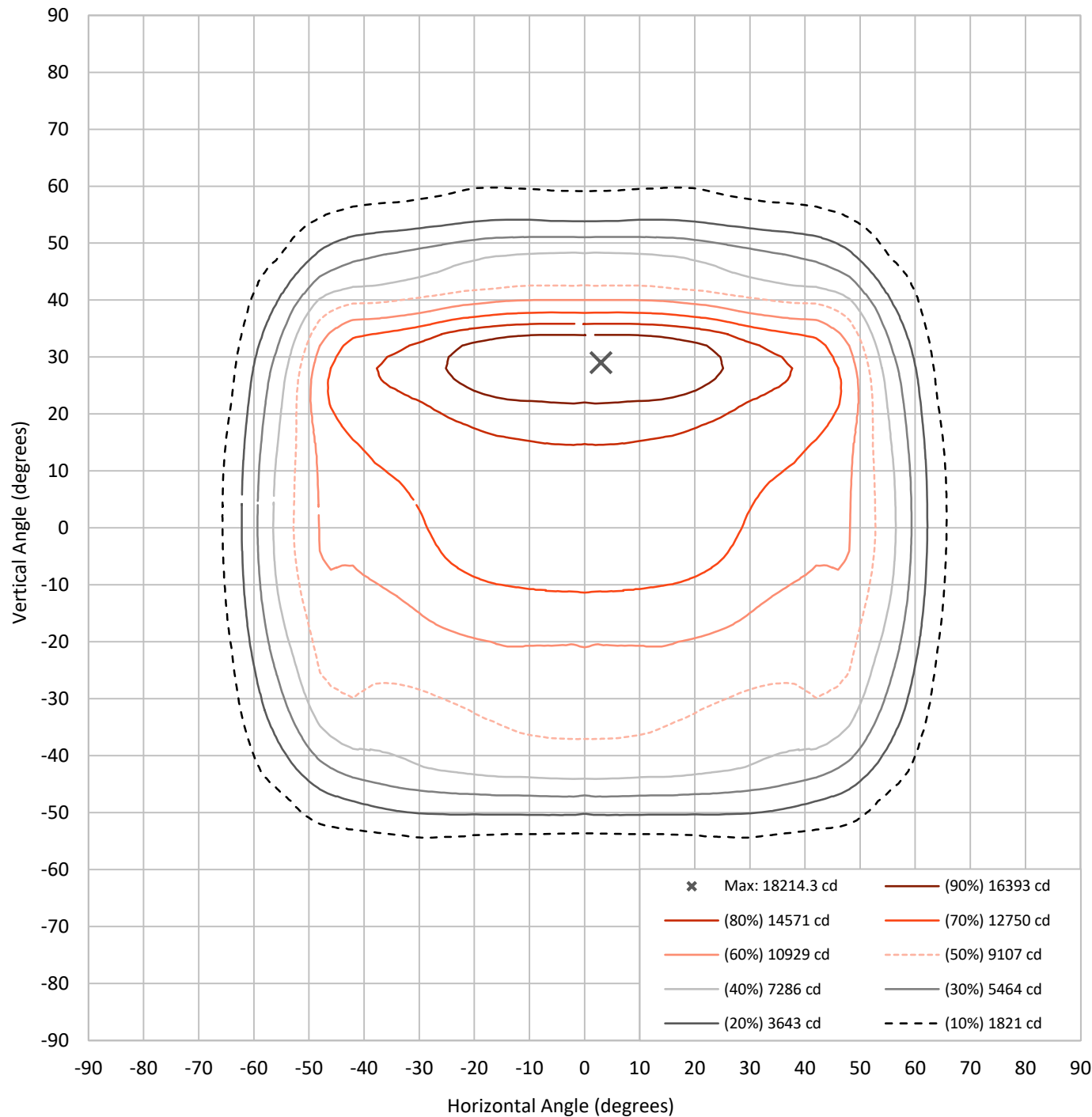
Input Watts (W): 265.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT





REPORT NUMBER: P507820
CATALOG NUMBER: UFLD-L-CA4-270-727-U-66

Iso-Candela Plot

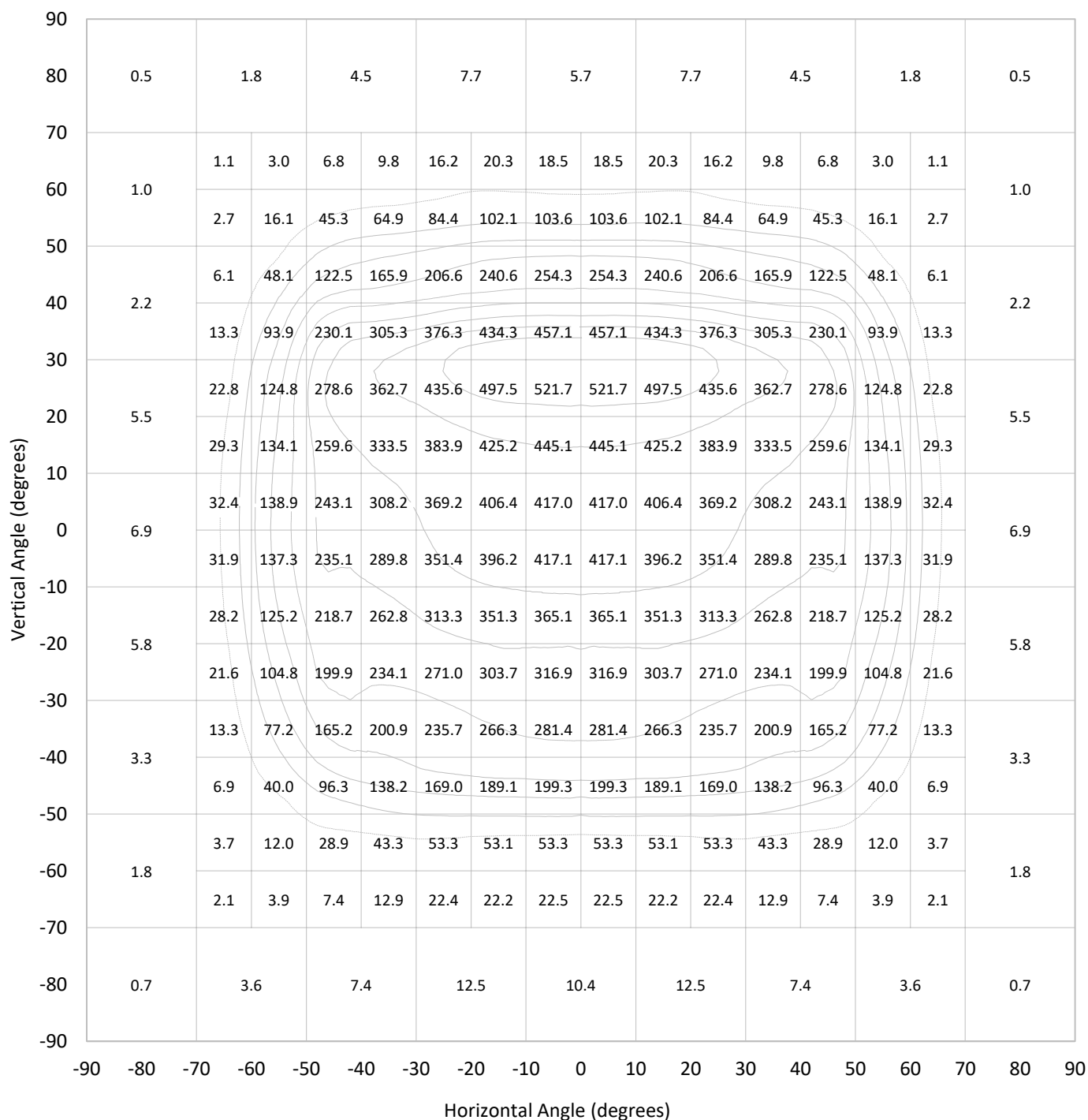




REPORT NUMBER: P507820

CATALOG NUMBER: UFLD-L-CA4-270-727-U-66

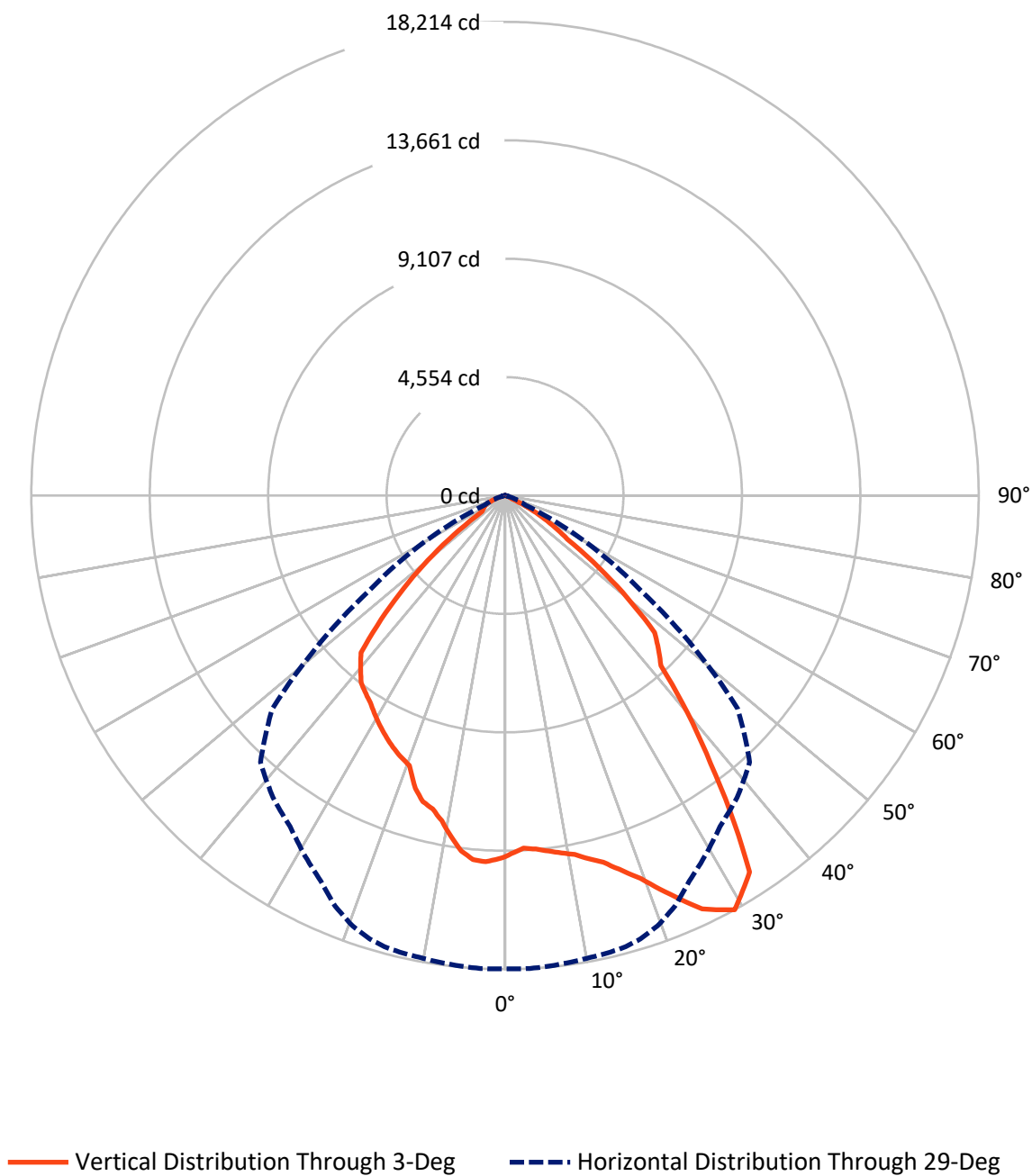
Lumen Table



REPORT NUMBER: P507820

CATALOG NUMBER: UFLD-L-CA4-270-727-U-66

Luminous Intensity Polar Plot

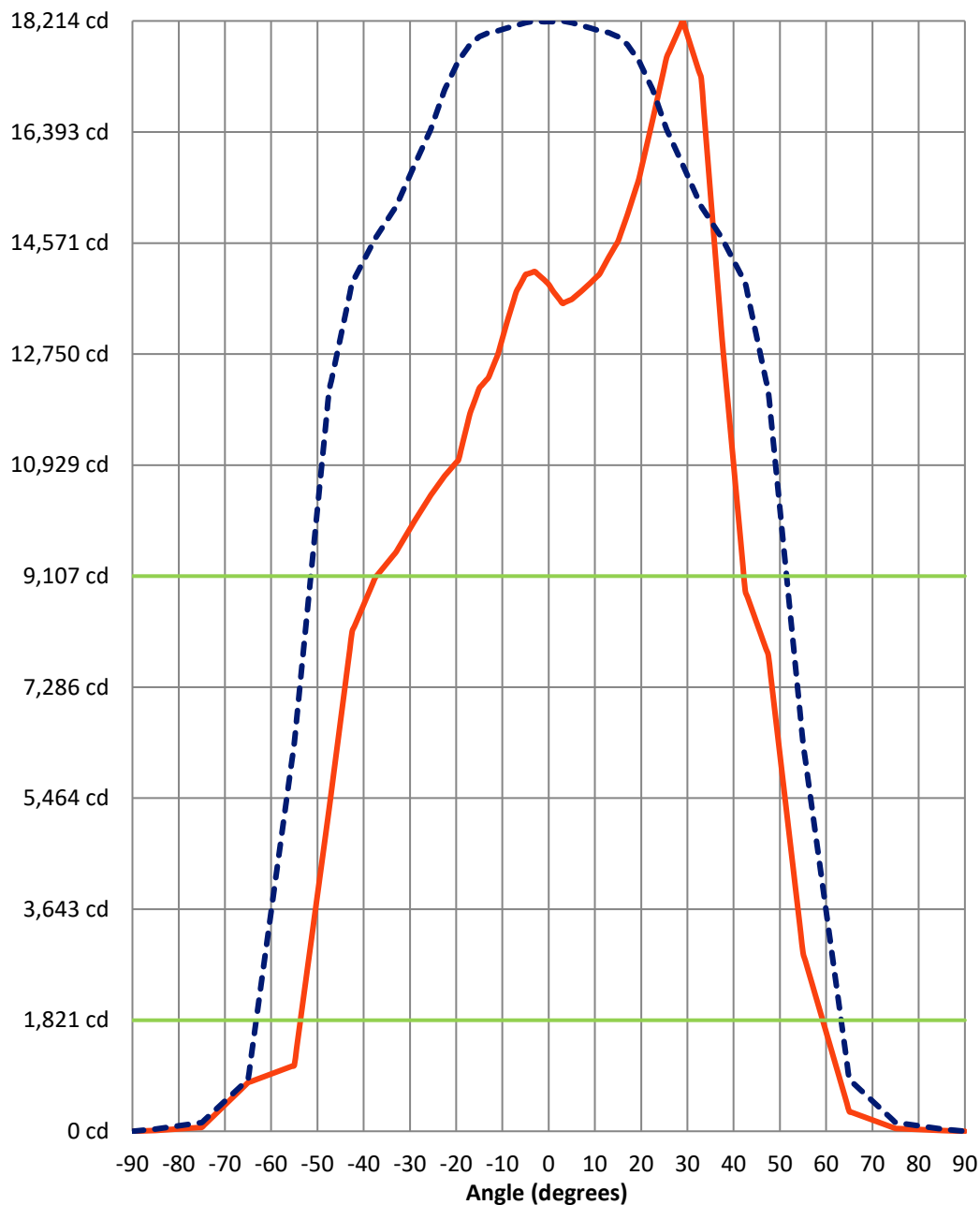




REPORT NUMBER: P507820

CATALOG NUMBER: UFLD-L-CA4-270-727-U-66

Luminous Intensity Plot



Beam:
H Angle: 102.9°
V Angle: 79.4°
Lumens: 25358.6
Efficiency: 74.3%

Field:
H Angle: 126.5°
V Angle: 112.9°
Lumens: 32982.7
Efficiency: 96.6%

Spill:
Lumens: 1147.3
Efficiency: 3.4%

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



REPORT NUMBER: P507820

CATALOG NUMBER: UFLD-L-CA4-270-727-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°	0.7	5.8	12.3	28.8	37.5	44.0	48.3	50.5	51.2	51.2	49.0
75°	42.5	43.3	46.1	41.8	33.2	36.1	52.6	59.8	66.3	68.5	64.9
65°	328.8	326.6	324.5	322.3	312.9	299.2	294.2	323.0	396.6	473.0	510.5
55°	2869.8	2859.7	2927.4	2879.8	2973.6	3063.7	3096.2	3105.5	3116.4	3061.6	2987.3
47.5°	7780.1	7847.8	7805.3	7799.5	7750.5	7674.1	7627.9	7552.9	7487.3	7473.6	7249.4
42.5°	8927.2	8897.0	8868.8	8931.6	8895.5	8925.8	8922.2	8845.8	8792.4	8682.8	8573.2
37.5°	12938.4	12960.8	12988.9	12994.7	13012.0	12939.1	12888.7	12835.3	12732.9	12558.4	12308.2
33°	17274.8	17314.4	17266.8	17264.0	17302.2	17284.9	17210.6	17141.4	16989.2	16784.5	16552.3
29°	18204.2	18202.0	18214.3	18185.4	18141.5	18098.9	18052.8	18021.8	17955.4	17827.8	17561.7
25.5°	17585.5	17595.6	17616.5	17600.0	17544.4	17513.4	17473.8	17419.7	17304.3	17167.3	16940.9
22.5°	16549.4	16628.7	16597.7	16576.8	16529.2	16453.5	16468.6	16417.4	16328.0	16188.2	15950.2
19.5°	15587.5	15627.2	15619.3	15561.6	15532.0	15470.0	15441.2	15403.7	15328.0	15241.4	15079.2
17°	14971.8	15045.3	15029.4	14994.1	14948.0	14906.9	14854.9	14823.2	14761.2	14666.0	14469.2
15°	14606.2	14639.4	14600.4	14593.2	14599.7	14518.2	14485.1	14404.3	14384.8	14304.8	14131.0
13°	14297.6	14314.2	14340.1	14299.0	14291.8	14263.0	14193.8	14159.9	14092.1	14059.6	13934.2
11°	14055.3	14168.5	14061.8	14091.4	14058.2	14053.9	14014.9	13996.2	13945.7	13896.0	13818.8
9°	13929.1	13948.6	13914.7	13913.3	13898.1	13870.7	13861.3	13859.9	13849.8	13822.4	13774.8
7°	13774.8	13791.4	13775.5	13759.7	13748.1	13736.6	13769.1	13779.9	13826.7	13787.8	13742.4
5°	13669.6	13653.7	13647.9	13645.0	13673.9	13673.9	13737.3	13773.4	13817.4	13829.6	13770.5
3°	13579.4	13598.9	13581.6	13602.5	13659.5	13689.7	13774.8	13827.5	13856.3	13857.0	13833.2
1°	13719.3	13766.9	13776.3	13790.7	13811.6	13830.3	13893.8	13940.7	13909.7	13911.1	13814.5
0°	13850.5	13869.3	13893.8	13877.2	13904.6	13921.2	13966.6	13976.0	13963.7	13908.9	13779.2
-1°	13988.3	13983.9	13970.2	13967.3	13973.8	13954.4	13979.6	13948.6	13911.8	13862.8	13740.9
-3°	14087.0	14123.1	14103.6	14081.3	14010.6	14010.6	13982.5	13867.1	13817.4	13766.2	13594.6
-5°	14004.1	14050.3	14053.1	13981.8	13872.2	13843.3	13753.9	13684.7	13598.2	13514.5	13341.5
-7°	13819.5	13795.0	13773.4	13681.1	13609.0	13541.2	13422.2	13301.8	13279.5	13200.2	13048.0
-9°	13310.5	13327.8	13276.6	13252.1	13172.8	13084.8	13050.2	12964.4	12918.9	12848.3	12708.4
-11°	12805.0	12735.8	12740.8	12758.2	12701.9	12702.6	12665.1	12613.2	12606.7	12539.7	12421.4
-13°	12406.3	12401.2	12367.3	12396.2	12385.4	12386.8	12351.5	12345.0	12332.7	12286.6	12127.2
-15°	12143.1	12185.6	12190.0	12165.5	12171.2	12157.5	12144.5	12113.5	12104.2	12031.3	11864.8
-17°	11760.2	11774.6	11778.3	11776.1	11758.1	11772.5	11788.3	11776.1	11730.7	11675.1	11541.0
-19.5°	11052.2	10994.5	11014.7	11034.9	11040.6	11039.9	11063.0	11101.9	11065.9	10993.0	10882.0
-22.5°	10799.8	10787.5	10750.0	10762.3	10756.5	10738.5	10738.5	10741.4	10720.5	10644.1	10492.6
-25.5°	10421.2	10438.6	10432.8	10424.9	10423.4	10391.0	10392.4	10397.5	10356.4	10272.0	10135.7
-29°	10003.8	10015.3	10011.0	9991.5	9964.8	9906.4	9881.9	9827.1	9754.3	9707.4	9597.1
-33°	9528.6	9499.8	9501.2	9498.3	9463.0	9429.1	9388.0	9319.5	9244.5	9186.1	9069.3
-37.5°	9080.8	9097.4	9082.3	9087.3	9067.1	9033.2	8996.5	8944.6	8871.0	8786.6	8670.6
-42.5°	8225.7	8213.4	8194.7	8153.6	8137.0	8058.4	8010.1	8011.5	7994.9	7930.8	7820.4
-47.5°	5106.4	5242.0	5273.0	5246.3	5220.4	5209.5	5154.7	5150.4	5154.7	5120.1	5035.0
-55°	1054.9	1051.3	1081.6	1103.2	1147.9	1165.2	1173.9	1142.1	1177.5	1250.3	1285.6
-65°	812.6	809.7	798.2	797.5	786.7	782.3	781.6	774.4	779.4	801.1	825.6
-75°	63.5	63.5	64.2	57.0	52.6	59.1	77.2	82.9	91.6	88.0	98.1
-85°	2.2	6.5	13.0	30.3	38.9	44.7	49.0	51.2	51.2	50.5	49.8
-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: P507820

CATALOG NUMBER: UFLD-L-CA4-270-727-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°	45.4	42.5	40.4	37.5	32.4	27.4	23.8	20.2	23.1	20.2	24.5
75°	58.4	59.1	74.3	93.0	83.6	56.2	38.9	32.4	42.5	24.5	26.7
65°	444.9	287.0	178.1	134.1	108.9	92.3	113.2	85.8	79.3	39.7	28.1
55°	2803.4	2616.7	2479.7	2305.2	2248.2	2087.4	1688.7	687.2	126.2	64.2	30.3
47.5°	7006.4	6692.7	6338.7	5942.1	5600.3	5127.3	4200.8	1837.9	151.4	82.9	32.4
42.5°	8382.1	8025.2	7811.1	7521.9	7201.8	7095.8	6389.9	3165.4	155.7	94.5	33.2
37.5°	12094.1	11694.6	11144.5	10719.8	10383.8	10335.4	9012.3	4468.3	248.0	108.9	34.6
33°	16106.7	15521.2	14762.7	14107.2	13536.2	13023.5	11042.8	5517.4	577.6	125.5	35.3
29°	17084.4	16436.9	15852.2	15171.5	14646.6	13918.3	12131.6	6369.7	849.4	143.5	36.1
25.5°	16478.0	15992.8	15423.9	14888.8	14495.9	13987.5	12601.7	6846.3	1069.3	160.1	36.8
22.5°	15583.2	15157.1	14684.1	14343.7	14130.3	13737.3	12565.6	7110.2	1244.5	174.5	37.5
19.5°	14797.3	14500.2	14118.0	13907.5	13815.2	13342.9	12202.9	7374.8	1402.4	189.6	38.2
17°	14253.6	13997.6	13745.3	13645.8	13553.5	12943.5	11872.7	7560.1	1531.5	197.6	38.9
15°	13935.6	13750.3	13569.3	13497.9	13324.2	12592.3	11652.8	7683.4	1621.6	204.1	39.7
13°	13783.5	13661.6	13500.1	13364.5	13068.2	12275.1	11490.6	7828.4	1695.2	209.8	39.7
11°	13699.8	13586.6	13370.3	13169.9	12753.1	11994.6	11394.7	7953.1	1755.7	212.7	40.4
9°	13652.2	13516.0	13252.1	12898.8	12495.7	11750.9	11337.7	8043.2	1806.2	214.2	41.1
7°	13667.4	13443.9	13099.9	12694.0	12261.4	11600.9	11287.9	8108.9	1840.8	213.4	41.8
5°	13662.3	13371.0	12975.2	12559.1	12080.4	11461.0	11249.7	8160.8	1856.7	211.3	42.5
3°	13635.7	13335.0	12863.4	12362.3	11918.9	11349.2	11232.4	8193.9	1871.1	209.1	42.5
1°	13593.1	13247.7	12719.9	12251.3	11805.7	11244.0	11213.7	8207.6	1867.5	206.9	42.5
0°	13550.6	13205.9	12673.1	12193.6	11753.7	11187.0	11186.3	8242.3	1861.0	205.5	42.5
-1°	13481.4	13115.8	12590.9	12107.8	11686.0	11197.1	11187.7	8211.2	1853.8	203.3	43.3
-3°	13291.7	12949.9	12455.3	11979.4	11561.9	11123.5	11163.2	8181.0	1840.8	201.2	44.0
-5°	13076.9	12745.9	12302.5	11830.2	11418.5	11013.2	11107.0	8095.9	1810.5	199.7	44.0
-7°	12803.6	12554.8	12081.1	11622.5	11232.4	10856.0	11001.0	8013.7	1777.4	198.3	44.7
-9°	12523.8	12263.5	11841.7	11385.3	11026.9	10725.5	10856.0	7886.1	1733.4	196.8	44.7
-11°	12238.3	11970.1	11549.0	11125.0	10783.2	10520.8	10703.2	7743.3	1684.4	196.8	45.4
-13°	11896.5	11651.3	11269.2	10887.8	10559.7	10365.7	10538.8	7563.0	1624.5	197.6	45.4
-15°	11633.3	11371.6	11005.3	10648.4	10350.6	10206.4	10347.0	7333.0	1567.5	199.0	46.1
-17°	11319.7	11093.3	10758.7	10425.6	10156.6	10052.8	10155.2	7100.1	1494.0	199.7	46.1
-19.5°	10707.5	10501.3	10289.3	10070.1	9893.4	9860.3	9910.0	6794.4	1394.5	201.2	46.1
-22.5°	10295.8	10086.7	9855.9	9685.8	9564.6	9678.6	9615.8	6370.4	1253.2	203.3	46.1
-25.5°	9958.3	9765.8	9535.1	9371.4	9302.2	9551.7	9345.5	5911.8	1095.3	203.3	46.1
-29°	9437.7	9269.7	9062.8	8907.8	8870.3	9258.9	8821.3	5381.9	909.2	200.5	46.1
-33°	8867.4	8678.5	8469.4	8304.3	8234.3	8757.8	7956.7	4746.6	677.1	192.5	46.1
-37.5°	8504.0	8292.7	8059.1	7799.5	7641.6	7713.0	6800.9	3835.2	393.7	178.8	45.4
-42.5°	7625.0	7495.3	7207.6	6927.1	6513.2	6017.8	5071.1	2750.8	300.7	162.2	45.4
-47.5°	5041.5	4946.4	4854.1	4677.4	4283.0	3768.2	3166.8	1523.6	286.3	142.0	44.7
-55°	1393.1	1412.5	1496.2	1393.8	1218.6	1067.9	1036.1	465.1	263.2	108.9	42.5
-65°	874.6	886.9	723.2	511.9	346.1	264.6	268.2	178.1	175.2	63.5	39.7
-75°	106.7	107.4	90.1	85.8	86.5	98.8	103.1	85.8	69.2	36.1	36.8
-85°	48.3	47.6	46.1	44.7	44.0	41.8	38.9	35.3	32.4	33.2	33.2
-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: P507820

CATALOG NUMBER: UFLD-L-CA4-270-727-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)