

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: P571669

Luminaire Tested: **UFLD-L-CA4-180-740-U-66-TS2HW_NFFLD**

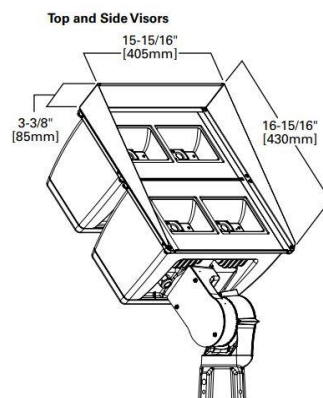
Issue Date: 9/21/2021

Test Information

Test Method: LM-79-08
Report Number: P571669
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-CA4-180-740-U-66-TS2HW_NFFLD
Description: FLOOD LIGHT LARGE, 6x6 OPTIC WITH TOP AND SIDE VISOR
Light Source: (4) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

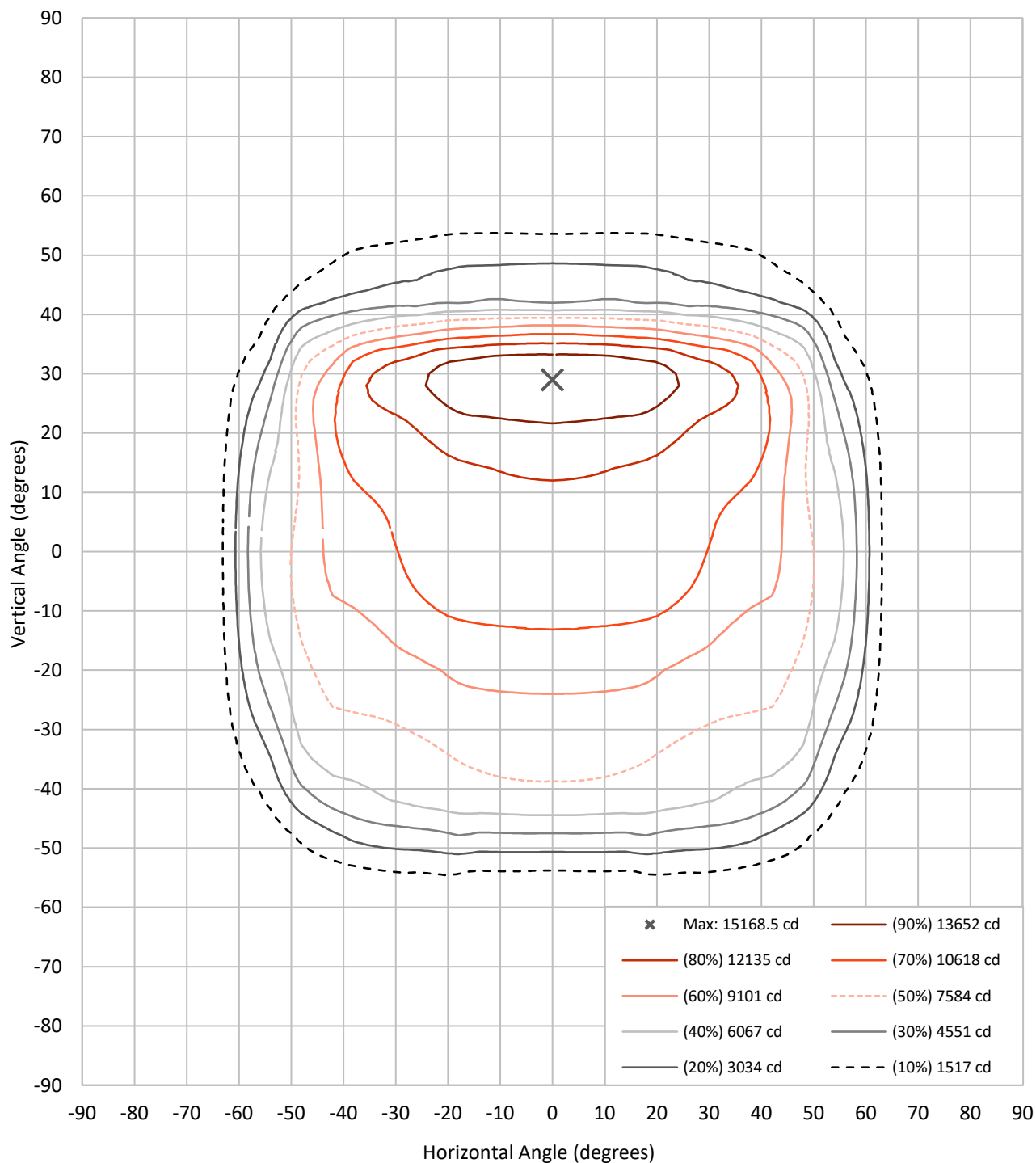
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	26363 lumens	Max Intensity:	15168.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	148.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.33' x L: 1.42' x H: 0')		
Beam Angle (50%):	96.7°H x 78.2°V	Field Angle (10%):	121.2°H x 107.4°V
Beam Lumens:	19139.4 lumens	Field Lumens:	25626.3 lumens
Beam Efficiency:	72.6%	Field Efficiency:	97.2%
Input Watts (W):	178		
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: P571669

CATALOG NUMBER: UFLD-L-CA4-180-740-U-66-TS2HW_NFFLD

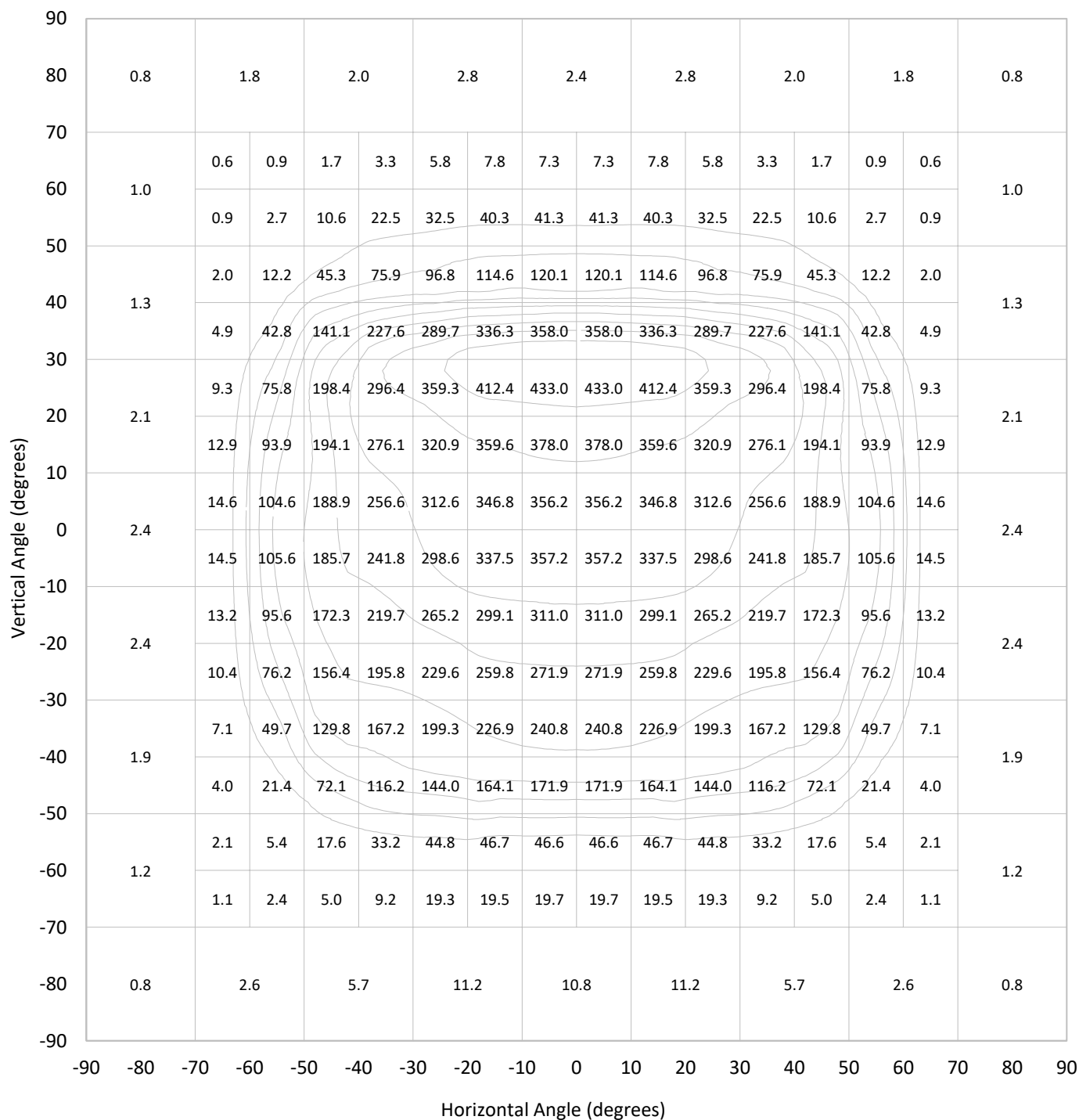
Iso-Candela Plot



REPORT NUMBER: P571669

CATALOG NUMBER: UFLD-L-CA4-180-740-U-66-TS2HW_NFFLD

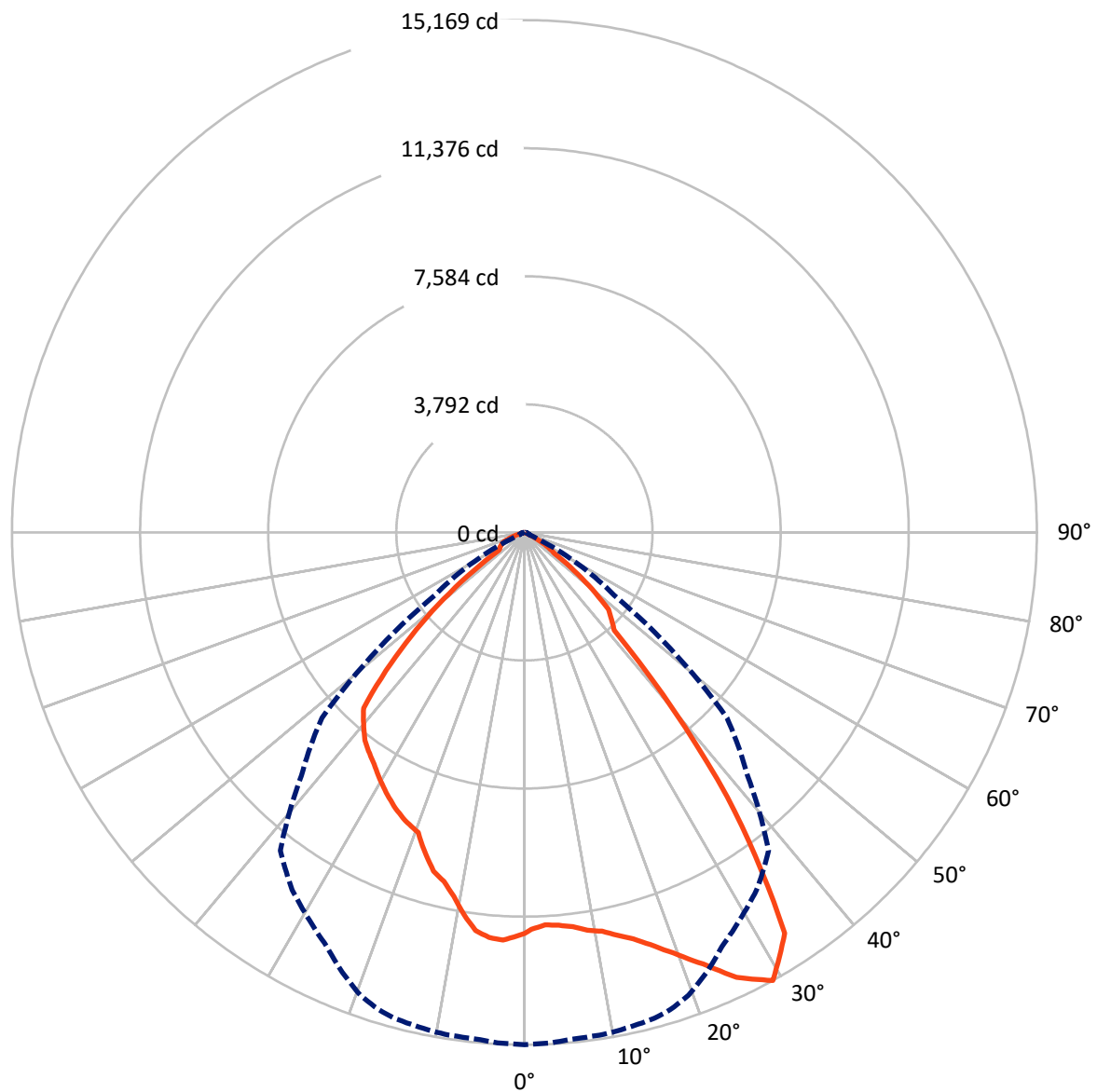
Lumen Table



REPORT NUMBER: P571669

CATALOG NUMBER: UFLD-L-CA4-180-740-U-66-TS2HW_NFFLD

Luminous Intensity Polar Plot



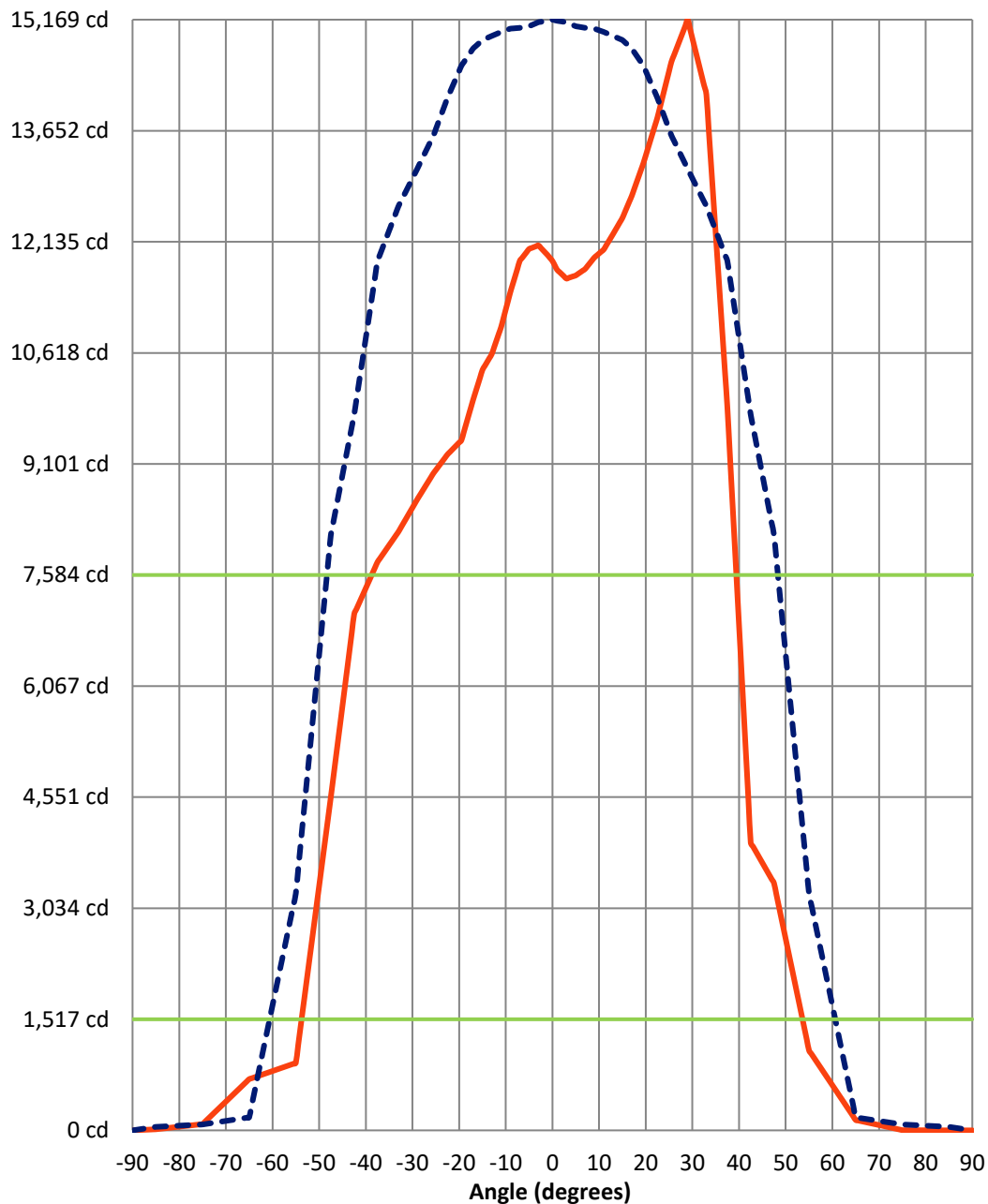
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 29-Deg

REPORT NUMBER: P571669

CATALOG NUMBER: UFLD-L-CA4-180-740-U-66-TS2HW_NFFLD

Luminous Intensity Plot



Beam:

H Angle: 96.7°

V Angle: 78.2°

Lumens: 19139.4

Efficiency: 72.6%

Field:

H Angle: 121.2°

V Angle: 107.4°

Lumens: 25626.3

Efficiency: 97.2%

Spill:

Lumens: 736.7

Efficiency: 2.8%

— Vertical Distribution through 0-Deg

- - - Horizontal Distribution through 29-Deg

REPORT NUMBER: P571669

CATALOG NUMBER: UFLD-L-CA4-180-740-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	7.0	15.7	19.8	21.5	23.3	25.0	26.2	26.2	25.6	24.4
75°	2.9	4.1	9.3	12.2	14.0	15.1	16.3	15.7	16.3	15.1	15.1
65°	141.4	141.4	140.8	136.7	128.6	119.9	115.2	127.4	159.4	189.7	196.7
55°	1092.7	1079.3	1077.0	1123.5	1124.1	1158.4	1160.8	1170.1	1142.7	1161.9	1126.4
47.5°	3374.1	3376.4	3356.0	3342.7	3324.0	3285.6	3258.9	3239.7	3236.8	3211.7	3107.6
42.5°	3931.5	3937.3	3991.4	4023.4	4114.2	4223.0	4308.5	4206.7	4116.5	3915.8	3978.6
37.5°	9869.1	9877.9	9867.4	9846.5	9623.6	9565.4	9520.6	9388.5	9326.3	9300.7	9193.0
33°	14144.5	14198.6	14167.2	14124.1	14154.4	14123.0	14056.6	13921.7	13679.0	13555.7	13389.3
29°	15168.5	15153.4	15133.6	15078.9	15056.8	15045.8	15000.4	14946.3	14889.8	14774.6	14540.1
25.5°	14591.9	14543.1	14545.4	14493.6	14454.0	14445.3	14401.7	14339.4	14285.9	14175.9	13931.0
22.5°	13831.5	13818.7	13793.1	13747.1	13722.1	13663.3	13613.3	13559.2	13544.6	13505.1	13315.4
19.5°	13208.9	13193.8	13193.8	13169.9	13135.6	13078.0	13005.3	12951.1	12918.6	12903.4	12766.1
17°	12760.9	12746.9	12742.3	12705.6	12675.4	12622.4	12547.9	12477.5	12424.6	12396.7	12297.2
15°	12460.7	12438.0	12434.5	12418.2	12386.2	12331.5	12258.2	12193.0	12147.0	12091.2	11991.1
13°	12241.3	12215.1	12210.5	12185.4	12152.9	12102.2	12042.9	11988.8	11951.0	11892.8	11803.8
11°	12029.5	12047.5	12032.4	12009.1	11972.5	11929.4	11885.8	11851.5	11820.6	11784.6	11722.3
9°	11920.7	11884.1	11886.4	11865.4	11841.0	11810.2	11779.9	11745.6	11742.7	11739.2	11690.3
7°	11763.0	11751.4	11768.8	11757.2	11722.9	11727.0	11701.9	11708.3	11726.4	11745.0	11750.8
5°	11675.2	11668.2	11674.6	11671.1	11658.9	11663.5	11660.6	11695.0	11749.6	11844.5	11928.3
3°	11632.1	11644.3	11642.6	11643.8	11670.5	11681.6	11710.1	11759.5	11827.6	11907.9	11918.4
1°	11753.1	11767.1	11774.1	11799.7	11845.1	11847.4	11846.8	11875.9	11888.7	12077.8	12066.2
0°	11873.0	11880.6	11883.5	11886.4	11903.8	11912.6	11887.0	11879.4	11859.0	11996.9	11928.3
-1°	11951.0	11968.4	11956.8	11974.8	11991.7	11949.2	11913.7	11871.3	11843.9	11915.5	11777.0
-3°	12086.5	12073.7	12044.6	12041.7	12045.2	11977.7	11886.4	11839.3	11758.4	11717.6	11661.8
-5°	12037.1	12032.4	11998.1	11978.3	11938.7	11829.9	11740.3	11665.3	11579.2	11451.7	11368.5
-7°	11873.6	11815.4	11800.3	11768.3	11650.2	11555.3	11448.3	11362.1	11242.9	11170.1	11110.8
-9°	11451.7	11424.4	11431.4	11389.5	11248.7	11169.6	11096.2	11024.1	10951.9	10898.4	10858.9
-11°	10970.6	10921.1	10958.9	10922.9	10853.0	10819.3	10795.4	10755.3	10728.5	10693.6	10649.4
-13°	10601.7	10578.4	10609.8	10592.4	10555.1	10556.9	10550.5	10532.4	10516.2	10472.5	10394.5
-15°	10384.7	10356.7	10368.4	10374.2	10359.1	10353.8	10348.6	10329.4	10301.5	10247.3	10150.8
-17°	9976.8	9931.4	9947.7	9948.9	9945.9	9930.2	9954.7	9942.5	9937.2	9900.0	9811.5
-19.5°	9425.2	9406.6	9404.8	9407.7	9415.9	9418.8	9431.6	9431.0	9425.2	9379.8	9289.1
-22.5°	9229.7	9226.8	9216.3	9223.9	9219.2	9213.4	9209.9	9193.6	9155.8	9114.5	9006.9
-25.5°	8974.3	8969.0	8984.8	8969.0	8945.2	8932.4	8901.0	8867.2	8831.1	8803.2	8692.1
-29°	8614.1	8611.2	8598.4	8587.9	8551.9	8514.0	8462.8	8428.5	8356.9	8311.6	8178.9
-33°	8175.4	8161.4	8141.1	8126.0	8104.4	8069.5	8036.4	7974.7	7905.4	7837.9	7711.7
-37.5°	7761.1	7778.0	7762.3	7758.8	7731.5	7690.7	7642.4	7584.8	7520.3	7448.1	7332.9
-42.5°	7048.4	7050.1	7046.1	7017.6	6964.0	6918.6	6863.9	6830.8	6811.6	6770.3	6660.9
-47.5°	4549.4	4559.3	4560.5	4572.7	4548.2	4529.0	4513.3	4493.5	4486.6	4830.4	4575.0
-55°	920.5	924.5	948.4	988.5	1011.2	1022.9	994.9	970.5	971.7	1076.4	1219.5
-65°	699.4	695.9	693.6	688.3	684.2	677.3	683.7	691.2	686.6	699.4	714.5
-75°	85.5	86.1	86.7	86.1	78.5	86.1	96.0	92.5	97.2	100.7	100.1
-85°	14.5	14.0	19.2	23.9	26.2	30.8	34.9	37.8	39.0	39.6	39.6
-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: P571669

CATALOG NUMBER: UFLD-L-CA4-180-740-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°	22.7	21.5	20.4	19.8	20.4	22.1	25.0	29.7	37.8	41.3	44.2
75°	14.5	14.5	15.7	20.4	20.9	23.9	26.8	30.8	38.4	41.9	44.8
65°	156.5	93.7	68.1	57.6	46.5	40.1	40.1	43.6	46.0	44.8	45.4
55°	1050.8	946.1	854.1	789.0	618.5	417.2	283.9	97.2	68.7	48.3	46.0
47.5°	2989.5	2809.7	2648.5	2479.2	2323.3	1671.0	1090.4	206.6	100.1	52.4	46.5
42.5°	4002.5	3459.0	3658.6	3470.1	3210.0	2910.4	2241.2	746.5	114.0	58.8	46.5
37.5°	8766.6	8421.5	8114.3	7558.1	6870.4	5833.5	4957.8	1466.2	125.1	65.7	47.1
33°	13157.1	12508.4	11961.4	11589.1	10627.9	8420.9	7104.2	2230.2	149.0	73.3	47.7
29°	14099.1	13587.1	13128.0	12621.2	11870.7	9774.9	8128.3	3234.4	177.5	80.3	47.7
25.5°	13528.3	13082.6	12668.4	12304.7	11818.9	10264.2	8538.5	3984.4	206.0	87.9	47.7
22.5°	12916.8	12469.4	12074.9	11806.1	11587.9	10431.8	8421.5	4513.9	234.5	94.3	47.7
19.5°	12422.3	12015.5	11681.6	11479.1	11401.7	10391.6	8144.6	4976.5	266.5	100.1	48.3
17°	11972.5	11650.7	11397.6	11305.7	11251.0	10257.2	7983.4	5348.3	293.8	103.6	48.3
15°	11739.8	11461.1	11278.4	11231.2	11060.8	10100.7	7887.4	5615.3	310.1	107.1	48.3
13°	11585.6	11360.4	11235.3	11109.6	10830.9	9938.4	7840.3	5864.4	321.8	109.4	48.3
11°	11490.1	11315.6	11170.1	10935.1	10576.7	9818.5	7837.9	6073.8	327.6	111.7	48.9
9°	11518.7	11312.7	11075.3	10744.2	10373.0	9720.8	7862.4	6236.7	326.4	113.5	48.9
7°	11560.6	11324.3	10983.4	10565.6	10191.5	9663.8	7897.3	6368.2	320.0	115.2	48.9
5°	11599.0	11331.3	10937.4	10417.8	10040.8	9603.2	7942.1	6475.9	317.1	116.9	48.9
3°	11601.9	11320.8	10875.7	10271.8	9919.8	9560.2	7991.6	6561.4	314.2	118.1	48.9
1°	11558.2	11254.5	10783.8	10140.3	9830.2	9521.2	8043.3	6609.1	312.4	117.5	48.9
0°	11524.5	11188.2	10719.2	10080.9	9770.8	9495.0	8069.5	6621.3	307.8	116.4	48.9
-1°	11459.3	11135.8	10649.4	10044.9	9729.5	9456.6	8086.4	6610.9	305.5	115.8	48.9
-3°	11322.6	10985.1	10539.4	9952.9	9622.4	9375.2	8119.0	6589.3	307.2	114.6	48.9
-5°	11141.0	10832.7	10424.8	9849.9	9499.7	9271.6	8123.0	6531.7	311.3	114.0	48.9
-7°	10944.4	10657.5	10244.4	9695.8	9339.7	9120.3	8096.9	6443.3	305.5	114.0	48.9
-9°	10701.2	10404.4	9992.5	9497.4	9166.9	8949.3	8039.8	6323.4	303.1	114.6	48.9
-11°	10445.7	10132.1	9741.7	9300.1	8980.1	8771.8	7961.9	6184.4	303.1	114.0	49.5
-13°	10183.9	9858.7	9499.1	9105.8	8816.6	8566.4	7855.4	6015.6	300.8	115.2	48.9
-15°	9919.8	9590.4	9282.7	8925.4	8665.3	8387.2	7728.0	5807.3	299.6	116.9	48.9
-17°	9575.3	9291.4	9033.6	8737.5	8489.0	8223.7	7587.8	5574.0	296.7	118.1	48.9
-19.5°	9065.0	8822.4	8632.2	8442.5	8255.1	8008.4	7415.0	5240.6	289.2	118.7	48.9
-22.5°	8768.3	8519.9	8327.9	8159.7	8012.5	7814.7	7221.2	4799.0	276.4	118.7	48.9
-25.5°	8468.7	8243.5	8041.0	7867.6	7765.8	7638.4	7061.8	4308.5	266.5	116.9	48.9
-29°	8003.8	7835.0	7647.1	7471.4	7391.1	7317.2	6827.9	3669.7	260.7	113.5	48.9
-33°	7537.1	7364.9	7166.5	6960.5	6877.3	6840.1	6261.2	2837.0	260.1	107.1	48.9
-37.5°	7166.5	6984.4	6752.8	6503.2	6296.1	6136.7	5362.8	2109.7	255.4	97.2	48.9
-42.5°	6496.8	6381.0	6090.7	5892.3	5492.0	4872.3	3794.2	1368.5	234.5	81.5	48.3
-47.5°	4342.8	4205.5	4105.5	3977.4	3619.0	2814.9	1932.3	506.8	212.4	64.0	48.3
-55°	1195.1	1117.7	1178.8	1026.4	816.9	600.5	504.5	187.4	165.8	55.3	47.7
-65°	774.4	799.4	587.1	365.4	228.1	172.2	246.7	111.1	84.9	50.6	47.1
-75°	94.3	83.2	66.3	73.3	78.0	71.0	65.7	47.7	47.1	47.1	46.5
-85°	38.4	37.2	36.1	35.5	34.3	33.7	34.3	36.1	40.7	44.8	45.4
-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: P571669

CATALOG NUMBER: UFLD-L-CA4-180-740-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)