

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: P571668

Luminaire Tested: **UFLD-L-CA4-180-730-U-66-TS2HW_NFFLD**

Issue Date: 9/21/2021

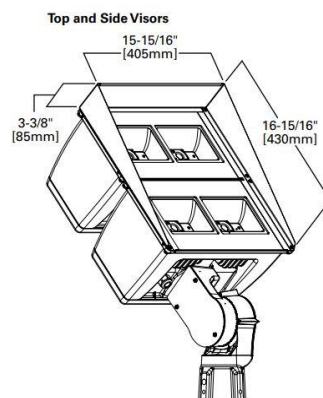
Test Information

Test Method: LM-79-08
Report Number: P571668
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-CA4-180-730-U-66-TS2HW_NFFLD
Description: FLOOD LIGHT LARGE, 6x6 OPTIC WITH TOP AND SIDE VISOR
Light Source: (4) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	25886 lumens	Max Intensity:	14894.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	145.4 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:	18793.1 lumens	Field Lumens:	25162.6 lumens
Beam Efficiency:	72.6%	Field Efficiency:	97.2%

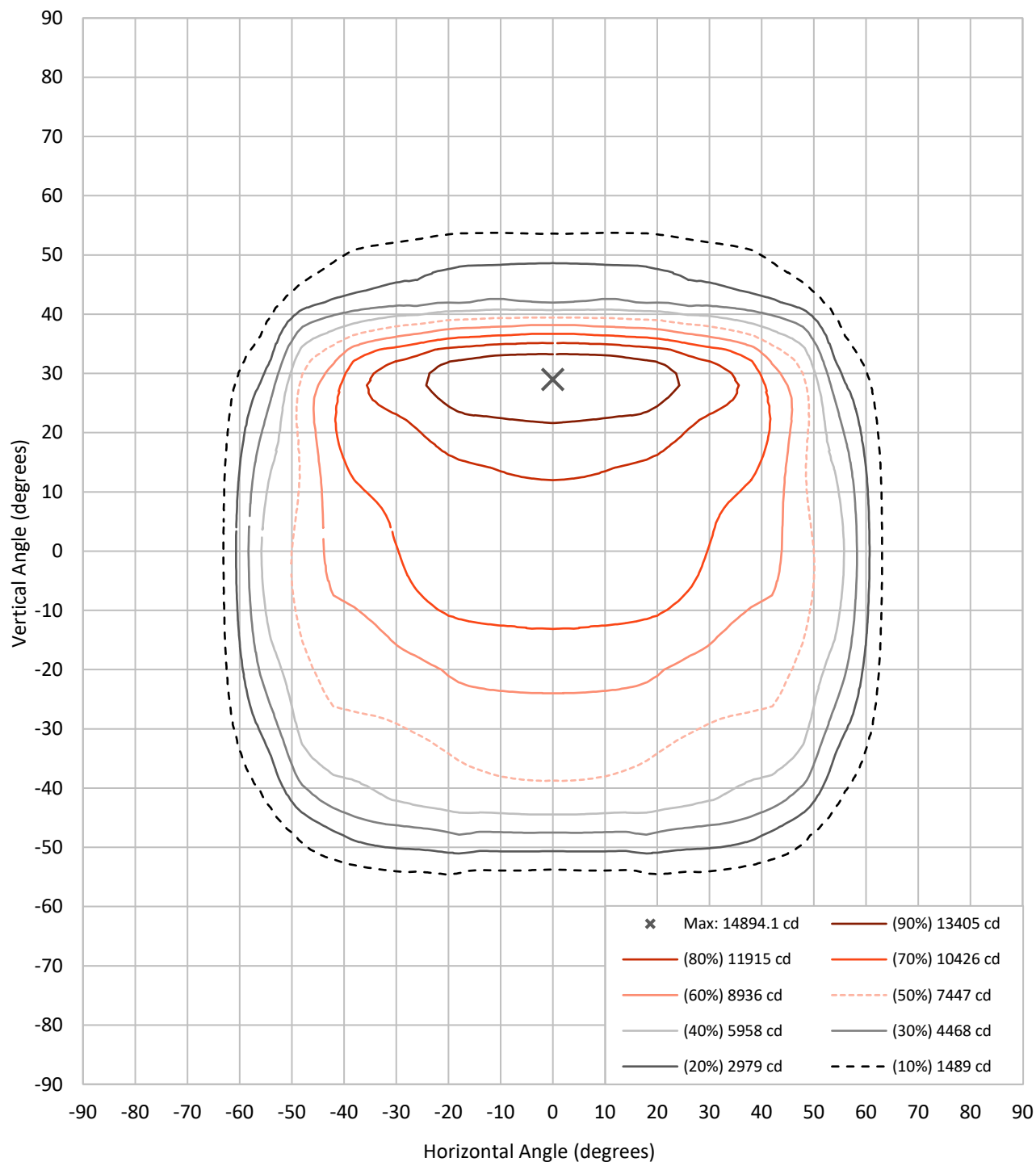
Input Watts (W): 178
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P571668

CATALOG NUMBER: UFLD-L-CA4-180-730-U-66-TS2HW_NFFLD

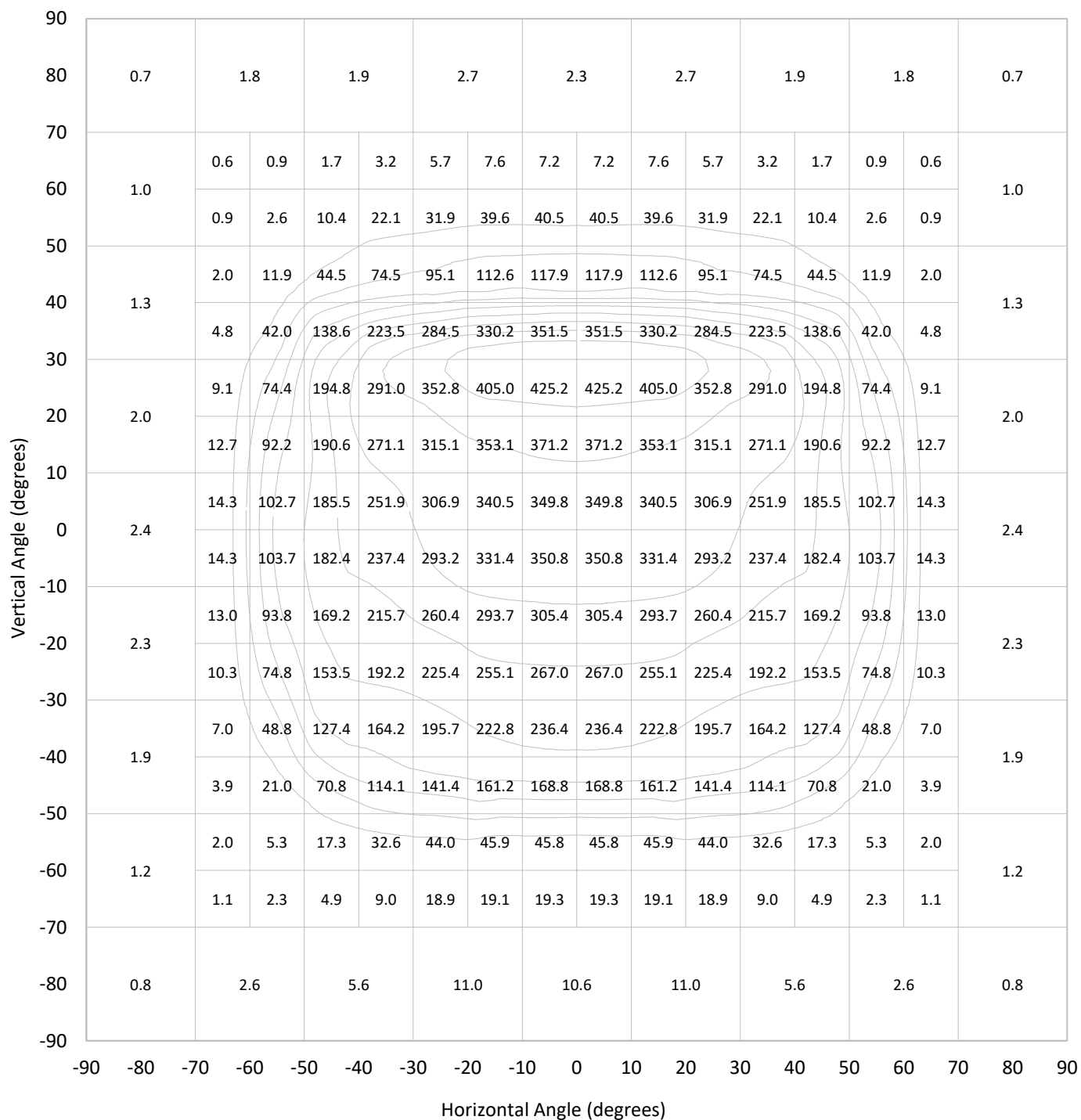
Iso-Candela Plot



REPORT NUMBER: P571668

CATALOG NUMBER: UFLD-L-CA4-180-730-U-66-TS2HW_NFFLD

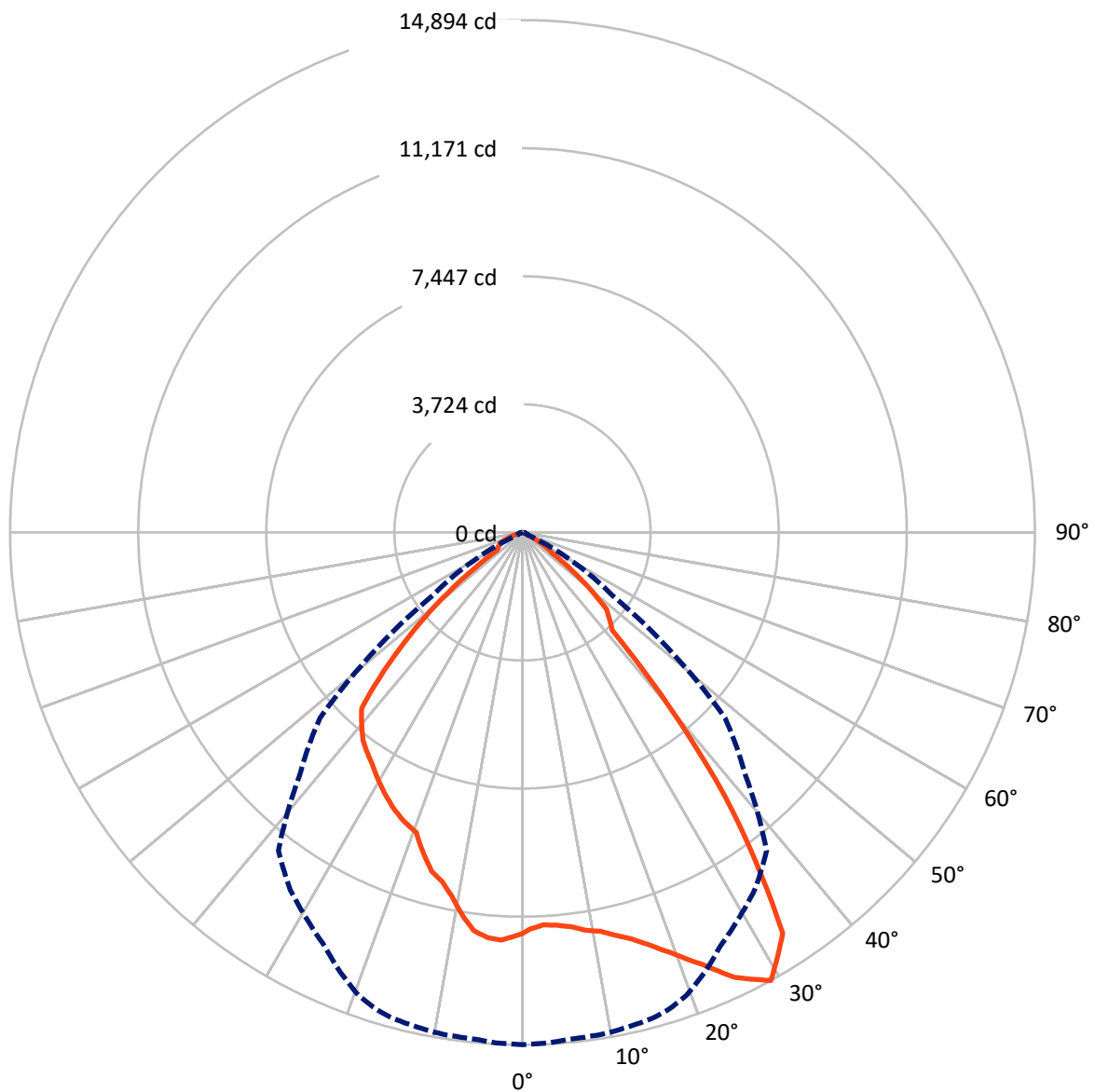
Lumen Table



REPORT NUMBER: P571668

CATALOG NUMBER: UFLD-L-CA4-180-730-U-66-TS2HW_NFFLD

Luminous Intensity Polar Plot



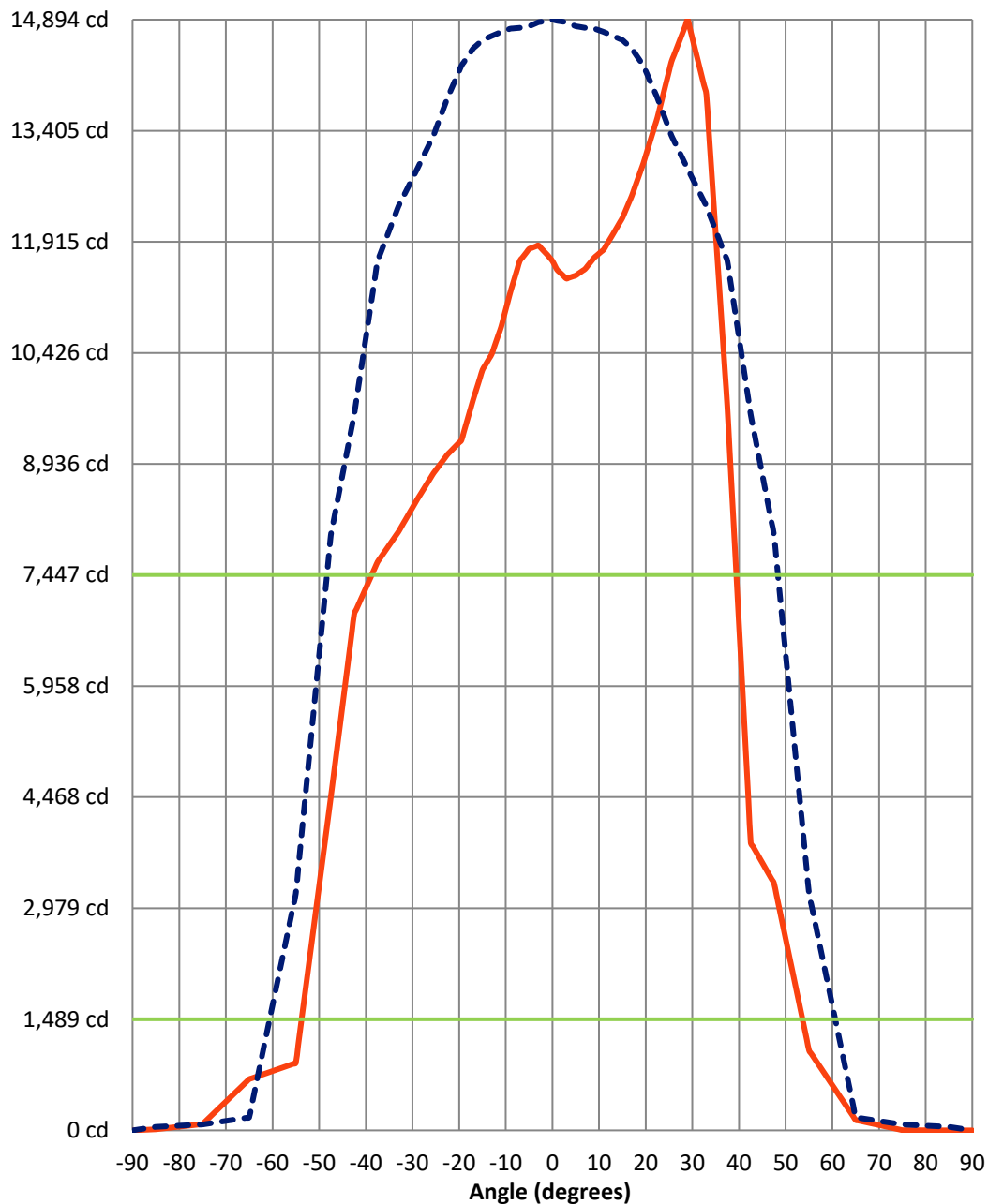
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 29-Deg

REPORT NUMBER: P571668

CATALOG NUMBER: UFLD-L-CA4-180-730-U-66-TS2HW_NFFLD

Luminous Intensity Plot



Beam:

H Angle: 96.7°

V Angle: 78.2°

Lumens: 18793.1

Efficiency: 72.6%

Field:

H Angle: 121.2°

V Angle: 107.4°

Lumens: 25162.6

Efficiency: 97.2%

Spill:

Lumens: 723.4

Efficiency: 2.8%

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



REPORT NUMBER: P571668

CATALOG NUMBER: UFLD-L-CA4-180-730-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	6.9	15.4	19.4	21.1	22.9	24.6	25.7	25.7	25.1	24.0
75°	2.9	4.0	9.1	12.0	13.7	14.9	16.0	15.4	16.0	14.9	14.9
65°	138.8	138.8	138.3	134.3	126.3	117.7	113.1	125.1	156.5	186.2	193.1
55°	1072.9	1059.8	1057.5	1103.2	1103.8	1137.5	1139.8	1148.9	1122.1	1140.9	1106.1
47.5°	3313.0	3315.3	3295.3	3282.2	3263.9	3226.2	3199.9	3181.1	3178.2	3153.6	3051.4
42.5°	3860.3	3866.1	3919.2	3950.6	4039.7	4146.6	4230.6	4130.6	4042.0	3844.9	3906.6
37.5°	9690.6	9699.1	9688.9	9668.3	9449.5	9392.4	9348.4	9218.7	9157.5	9132.4	9026.7
33°	13888.6	13941.7	13910.9	13868.6	13898.3	13867.4	13802.3	13669.8	13431.5	13310.4	13147.0
29°	14894.1	14879.2	14859.8	14806.1	14784.4	14773.5	14729.0	14675.8	14620.4	14507.3	14277.1
25.5°	14327.9	14279.9	14282.2	14231.4	14192.5	14183.9	14141.1	14080.0	14027.4	13919.4	13678.9
22.5°	13581.2	13568.6	13543.5	13498.4	13473.8	13416.1	13367.0	13313.8	13299.6	13260.7	13074.5
19.5°	12969.9	12955.0	12955.0	12931.6	12897.9	12841.4	12769.9	12716.8	12684.8	12670.0	12535.1
17°	12530.0	12516.3	12511.7	12475.7	12446.0	12394.0	12320.9	12251.8	12199.8	12172.4	12074.7
15°	12235.2	12212.9	12209.5	12193.5	12162.1	12108.4	12036.4	11972.4	11927.3	11872.4	11774.1
13°	12019.8	11994.1	11989.5	11965.0	11933.0	11883.3	11825.0	11771.9	11734.7	11677.6	11590.2
11°	11811.9	11829.6	11814.7	11791.9	11755.9	11713.6	11670.7	11637.0	11606.8	11571.3	11510.2
9°	11705.0	11669.0	11671.3	11650.7	11626.8	11596.5	11566.8	11533.1	11530.2	11526.8	11478.8
7°	11550.2	11538.8	11555.9	11544.5	11510.8	11514.8	11490.2	11496.5	11514.2	11532.5	11538.2
5°	11463.9	11457.1	11463.4	11459.9	11447.9	11452.5	11449.6	11483.4	11537.1	11630.2	11712.4
3°	11421.7	11433.6	11431.9	11433.1	11459.4	11470.2	11498.2	11546.8	11613.6	11692.5	11702.7
1°	11540.5	11554.2	11561.1	11586.2	11630.8	11633.0	11632.5	11661.0	11673.6	11859.3	11847.8
0°	11658.2	11665.6	11668.5	11671.3	11688.5	11697.0	11671.9	11664.5	11644.5	11779.9	11712.4
-1°	11734.7	11751.9	11740.4	11758.2	11774.7	11733.0	11698.2	11656.5	11629.6	11699.9	11563.9
-3°	11867.8	11855.3	11826.7	11823.9	11827.3	11761.0	11671.3	11625.0	11545.6	11505.6	11450.8
-5°	11819.3	11814.7	11781.0	11761.6	11722.7	11615.9	11527.9	11454.2	11369.7	11244.5	11162.8
-7°	11658.7	11601.6	11586.8	11555.3	11439.4	11346.2	11241.1	11156.6	11039.4	10968.0	10909.8
-9°	11244.5	11217.7	11224.5	11183.4	11045.2	10967.5	10895.5	10824.6	10753.8	10701.2	10662.4
-11°	10772.1	10723.5	10760.6	10725.2	10656.7	10623.5	10600.1	10560.7	10534.4	10500.1	10456.7
-13°	10409.9	10387.0	10417.9	10400.7	10364.2	10365.9	10359.6	10341.9	10325.9	10283.0	10206.5
-15°	10196.8	10169.3	10180.8	10186.5	10171.6	10166.5	10161.3	10142.5	10115.1	10061.9	9967.1
-17°	9796.3	9751.7	9767.7	9768.8	9766.0	9750.6	9774.6	9762.6	9757.4	9720.9	9634.0
-19.5°	9254.7	9236.4	9234.7	9237.5	9245.5	9248.4	9261.0	9260.4	9254.7	9210.1	9121.0
-22.5°	9062.7	9059.9	9049.6	9057.0	9052.4	9046.7	9043.3	9027.3	8990.2	8949.6	8843.9
-25.5°	8811.9	8806.8	8822.2	8806.8	8783.3	8770.8	8739.9	8706.8	8671.4	8643.9	8534.8
-29°	8458.3	8455.4	8442.8	8432.6	8397.1	8360.0	8309.7	8276.0	8205.7	8161.2	8030.9
-33°	8027.5	8013.8	7993.8	7978.9	7957.8	7923.5	7890.9	7830.4	7762.4	7696.1	7572.2
-37.5°	7620.7	7637.3	7621.9	7618.4	7591.6	7551.6	7504.2	7447.6	7384.2	7313.4	7200.2
-42.5°	6920.9	6922.6	6918.6	6890.6	6838.0	6793.5	6739.8	6707.2	6688.3	6647.8	6540.4
-47.5°	4467.1	4476.8	4477.9	4489.9	4465.9	4447.1	4431.7	4412.2	4405.4	4743.0	4492.2
-55°	903.8	907.8	931.2	970.7	992.9	1004.4	976.9	952.9	954.1	1056.9	1197.5
-65°	686.7	683.3	681.0	675.9	671.9	665.0	671.3	678.7	674.1	686.7	701.6
-75°	84.0	84.6	85.1	84.6	77.1	84.6	94.3	90.8	95.4	98.8	98.3
-85°	14.3	13.7	18.9	23.4	25.7	30.3	34.3	37.1	38.3	38.8	38.8
-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: P571668

CATALOG NUMBER: UFLD-L-CA4-180-730-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°	22.3	21.1	20.0	19.4	20.0	21.7	24.6	29.1	37.1	40.6	43.4
75°	14.3	14.3	15.4	20.0	20.6	23.4	26.3	30.3	37.7	41.1	44.0
65°	153.7	92.0	66.8	56.6	45.7	39.4	39.4	42.8	45.1	44.0	44.6
55°	1031.8	929.0	838.7	774.7	607.3	409.6	278.8	95.4	67.4	47.4	45.1
47.5°	2935.4	2758.9	2600.6	2434.4	2281.2	1640.8	1070.6	202.8	98.3	51.4	45.7
42.5°	3930.0	3396.4	3592.4	3407.3	3151.9	2857.7	2200.7	733.0	112.0	57.7	45.7
37.5°	8607.9	8269.2	7967.5	7421.3	6746.0	5728.0	4868.1	1439.7	122.8	64.6	46.3
33°	12919.1	12282.0	11745.0	11379.4	10435.6	8268.6	6975.7	2189.8	146.3	72.0	46.8
29°	13844.0	13341.3	12890.5	12392.9	11655.9	9598.0	7981.2	3175.9	174.2	78.8	46.8
25.5°	13283.6	12845.9	12439.2	12082.1	11605.0	10078.5	8384.0	3912.3	202.2	86.3	46.8
22.5°	12683.1	12243.8	11856.4	11592.5	11378.2	10243.0	8269.2	4432.2	230.2	92.6	46.8
19.5°	12197.5	11798.1	11470.2	11271.4	11195.4	10203.6	7997.2	4886.4	261.7	98.3	47.4
17°	11755.9	11439.9	11191.4	11101.1	11047.4	10071.6	7839.0	5251.5	288.5	101.7	47.4
15°	11527.3	11253.7	11074.3	11028.0	10860.6	9918.0	7744.7	5513.7	304.5	105.1	47.4
13°	11375.9	11154.8	11032.0	10908.6	10635.0	9758.6	7698.4	5758.2	315.9	107.4	47.4
11°	11282.3	11110.9	10968.0	10737.2	10385.3	9640.9	7696.1	5963.9	321.6	109.7	48.0
9°	11310.2	11108.0	10874.9	10549.8	10185.3	9544.9	7720.1	6123.9	320.5	111.4	48.0
7°	11351.4	11119.4	10784.6	10374.4	10007.1	9488.9	7754.4	6253.0	314.2	113.1	48.0
5°	11389.1	11126.3	10739.5	10229.3	9859.1	9429.5	7798.4	6358.7	311.4	114.8	48.0
3°	11391.9	11116.0	10678.9	10085.9	9740.3	9387.2	7847.0	6442.7	308.5	116.0	48.0
1°	11349.1	11050.9	10588.7	9956.8	9652.3	9348.9	7897.8	6489.5	306.8	115.4	48.0
0°	11316.0	10985.7	10525.3	9898.5	9594.0	9323.2	7923.5	6501.5	302.2	114.3	48.0
-1°	11252.0	10934.3	10456.7	9863.1	9553.5	9285.5	7940.1	6491.2	299.9	113.7	48.0
-3°	11117.7	10786.4	10348.7	9772.8	9448.3	9205.5	7972.1	6470.1	301.7	112.5	48.0
-5°	10939.5	10636.7	10236.2	9671.7	9327.8	9103.8	7976.1	6413.5	305.7	112.0	48.0
-7°	10746.4	10464.7	10059.1	9520.3	9170.7	8955.3	7950.4	6326.7	299.9	112.0	48.0
-9°	10507.6	10216.2	9811.7	9325.5	9001.0	8787.3	7894.4	6209.0	297.7	112.5	48.0
-11°	10256.7	9948.8	9565.5	9131.8	8817.6	8613.1	7817.8	6072.5	297.7	112.0	48.6
-13°	9999.7	9680.3	9327.2	8941.0	8657.1	8411.4	7713.3	5906.8	295.4	113.1	48.0
-15°	9740.3	9416.9	9114.7	8763.9	8508.5	8235.4	7588.2	5702.3	294.2	114.8	48.0
-17°	9402.1	9123.3	8870.2	8579.4	8335.4	8074.9	7450.5	5473.2	291.4	116.0	48.0
-19.5°	8901.0	8662.8	8476.0	8289.7	8105.8	7863.5	7280.8	5145.8	283.9	116.5	48.0
-22.5°	8609.7	8365.7	8177.2	8012.1	7867.5	7673.3	7090.5	4712.2	271.4	116.5	48.0
-25.5°	8315.4	8094.3	7895.5	7725.3	7625.3	7500.2	6934.0	4230.6	261.7	114.8	48.0
-29°	7859.0	7693.3	7508.7	7336.2	7257.4	7184.8	6704.3	3603.3	255.9	111.4	48.0
-33°	7400.8	7231.7	7036.8	6834.6	6752.9	6716.3	6147.9	2785.7	255.4	105.1	48.0
-37.5°	7036.8	6858.0	6630.6	6385.5	6182.2	6025.6	5265.8	2071.6	250.8	95.4	48.0
-42.5°	6379.3	6265.6	5980.5	5785.7	5392.6	4784.2	3725.5	1343.7	230.2	80.0	47.4
-47.5°	4264.3	4129.4	4031.2	3905.5	3553.6	2764.0	1897.3	497.6	208.5	62.8	47.4
-55°	1173.5	1097.5	1157.5	1007.8	802.1	589.6	495.3	184.0	162.8	54.3	46.8
-65°	760.4	785.0	576.5	358.8	224.0	169.1	242.2	109.1	83.4	49.7	46.3
-75°	92.6	81.7	65.1	72.0	76.6	69.7	64.6	46.8	46.3	46.3	45.7
-85°	37.7	36.6	35.4	34.8	33.7	33.1	33.7	35.4	40.0	44.0	44.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: UFLD-L-CA4-180-730-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)