

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: P571684

Luminaire Tested: **UFLD-L-CA4-320-722-U-66-TS2HW_NFFLD**

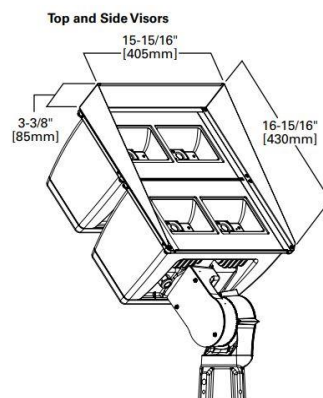
Issue Date: 9/21/2021

Test Information

Test Method: LM-79-08
Report Number: P571684
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-CA4-320-722-U-66-TS2HW_NFFLD
Description: FLOOD LIGHT LARGE, 6x6 OPTIC WITH TOP AND SIDE VISOR
Light Source: (4) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

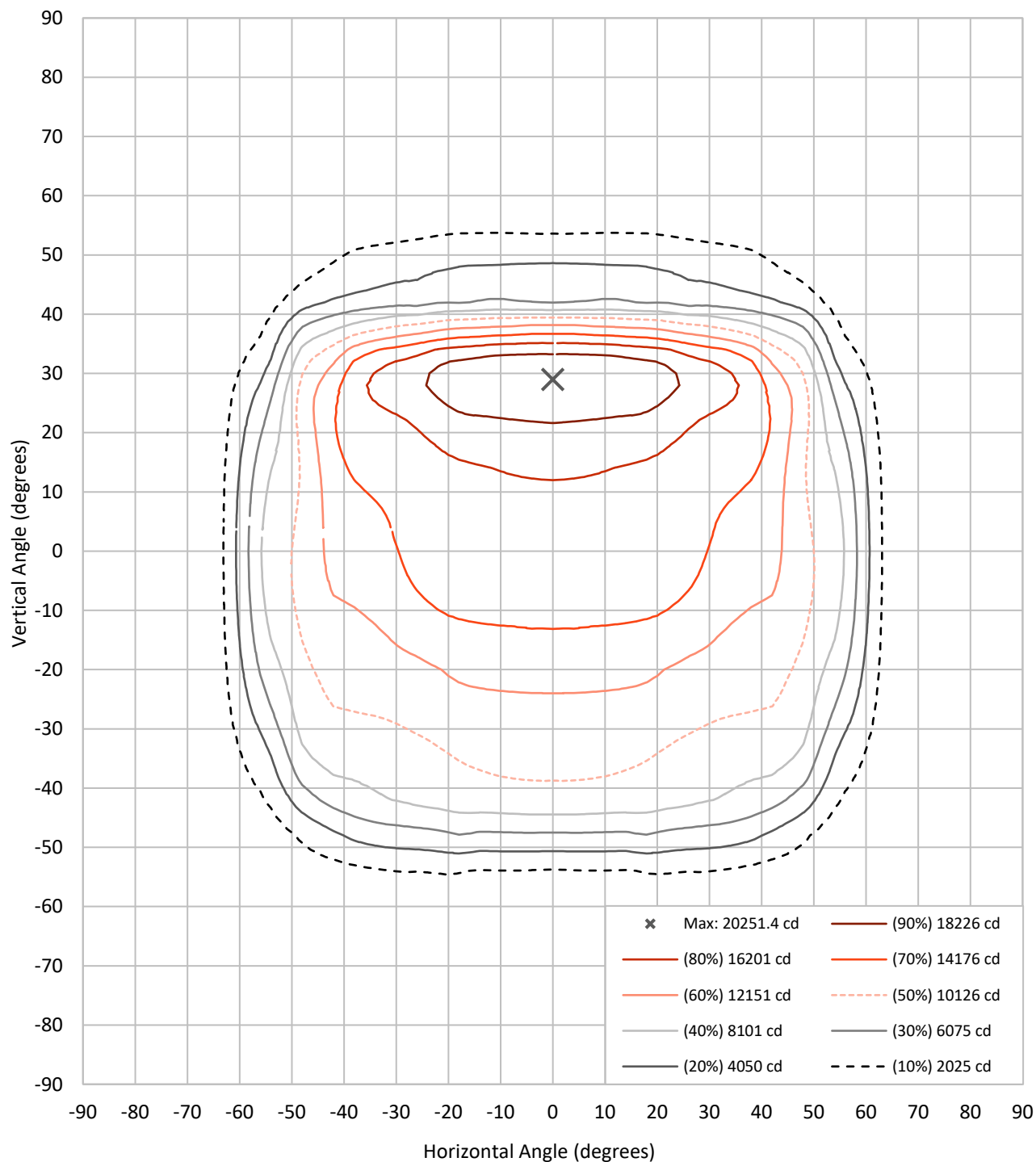
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	35197 lumens	Max Intensity:	20251.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	109.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.33' x L: 1.42' x H: 0')		
Beam Angle (50%):	96.7°H x 78.2°V	Field Angle (10%):	121.2°H x 107.4°V
Beam Lumens:	25552.8 lumens	Field Lumens:	34213.4 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: P571684

CATALOG NUMBER: UFLD-L-CA4-320-722-U-66-TS2HW_NFFLD

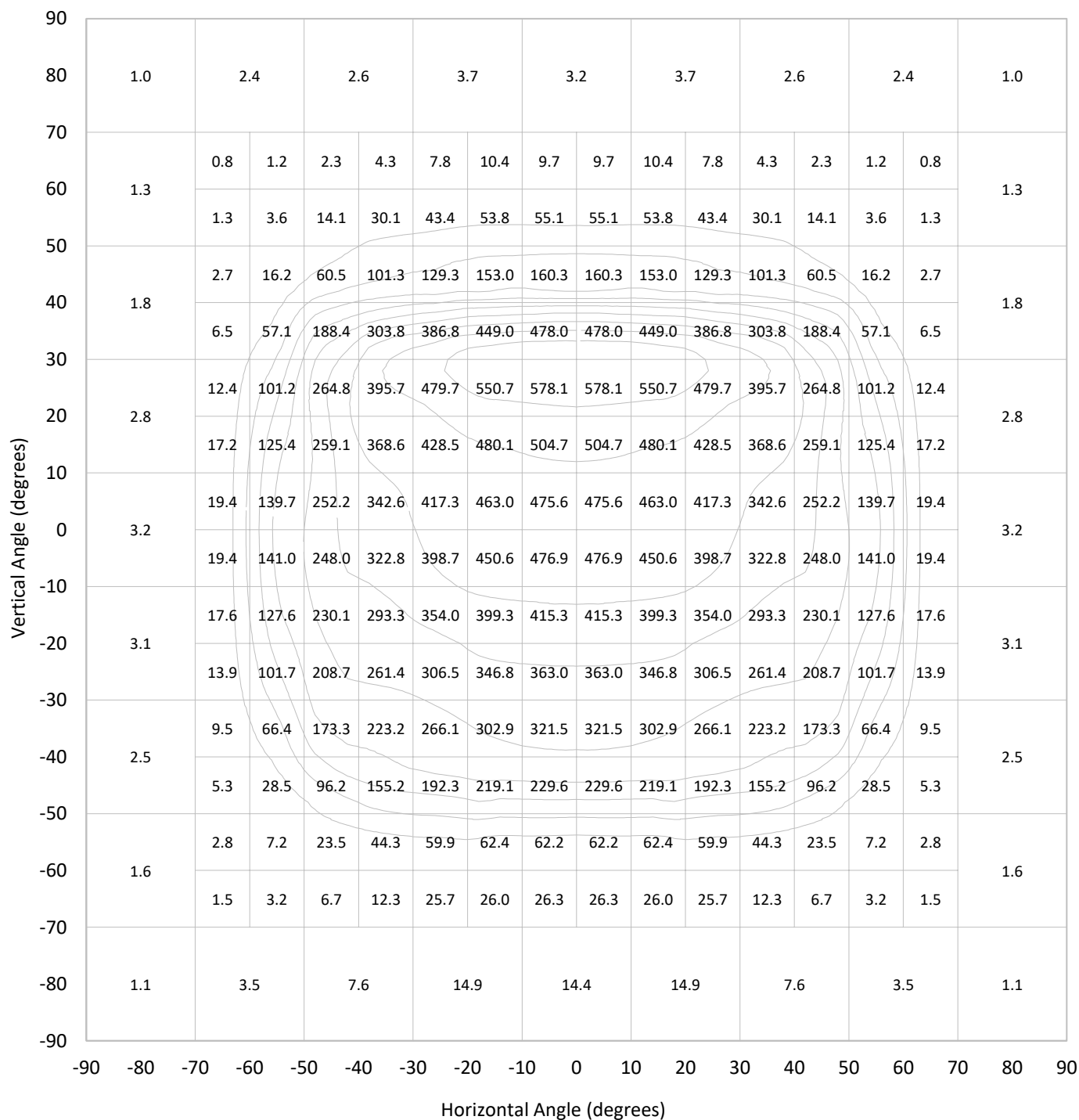
Iso-Candela Plot



REPORT NUMBER: P571684

CATALOG NUMBER: UFLD-L-CA4-320-722-U-66-TS2HW_NFFLD

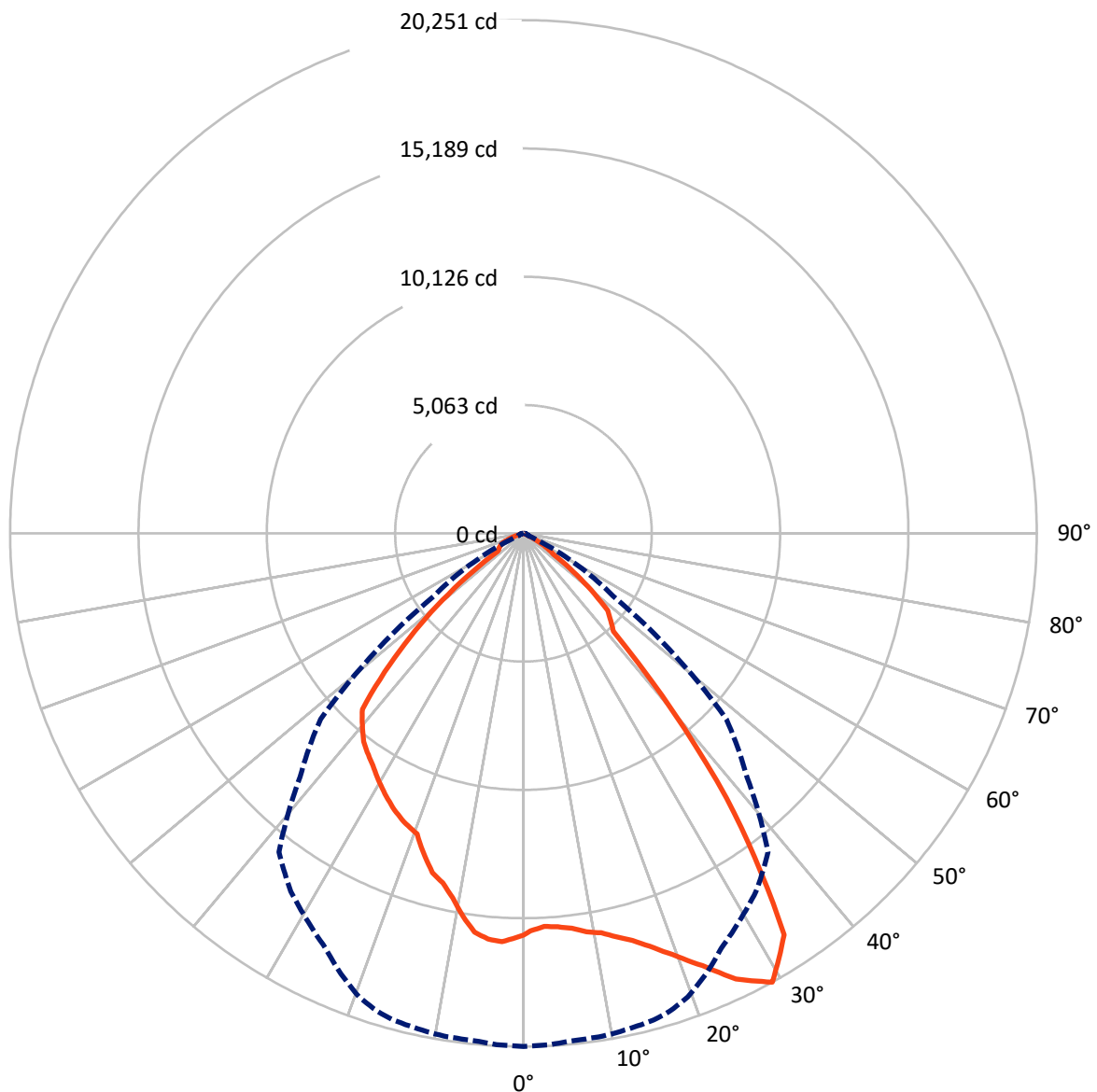
Lumen Table



REPORT NUMBER: P571684

CATALOG NUMBER: UFLD-L-CA4-320-722-U-66-TS2HW_NFFLD

Luminous Intensity Polar Plot



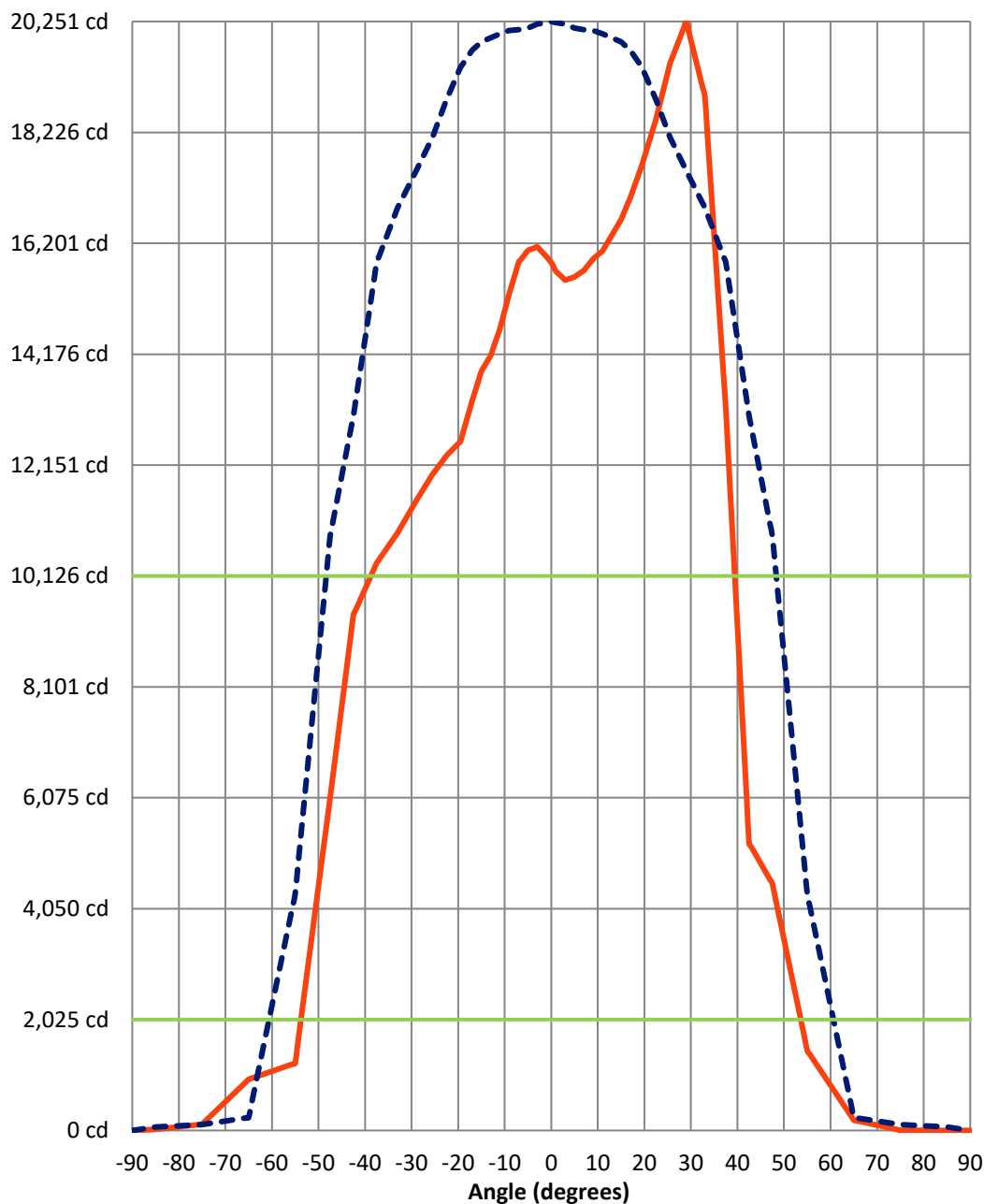
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 29-Deg

REPORT NUMBER: P571684

CATALOG NUMBER: UFLD-L-CA4-320-722-U-66-TS2HW_NFFLD

Luminous Intensity Plot



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



REPORT NUMBER: P571684

CATALOG NUMBER: UFLD-L-CA4-320-722-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	9.3	21.0	26.4	28.7	31.1	33.4	35.0	35.0	34.2	32.6
75°	3.9	5.4	12.4	16.3	18.6	20.2	21.8	21.0	21.8	20.2	20.2
65°	188.8	188.8	188.0	182.5	171.7	160.0	153.8	170.1	212.8	253.2	262.6
55°	1458.8	1441.0	1437.9	1500.0	1500.8	1546.6	1549.7	1562.2	1525.6	1551.3	1503.9
47.5°	4504.7	4507.8	4480.6	4462.8	4437.9	4386.6	4350.9	4325.3	4321.4	4288.0	4148.9
42.5°	5248.9	5256.7	5328.9	5371.6	5492.8	5638.1	5752.3	5616.3	5495.9	5227.9	5311.8
37.5°	13176.2	13187.9	13173.9	13145.9	12848.4	12770.7	12710.9	12534.6	12451.4	12417.3	12273.6
33°	18884.2	18956.4	18914.5	18857.0	18897.4	18855.4	18766.9	18586.7	18262.7	18098.1	17875.9
29°	20251.4	20231.2	20204.8	20131.7	20102.2	20087.5	20026.9	19954.6	19879.3	19725.5	19412.4
25.5°	19481.6	19416.3	19419.4	19350.3	19297.4	19285.8	19227.5	19144.4	19073.0	18926.1	18599.1
22.5°	18466.3	18449.2	18415.0	18353.6	18320.2	18241.8	18175.0	18102.7	18083.3	18030.5	17777.2
19.5°	17635.1	17614.9	17614.9	17583.0	17537.2	17460.3	17363.2	17291.0	17247.5	17227.3	17043.9
17°	17036.9	17018.3	17012.1	16963.1	16922.7	16852.1	16752.6	16658.6	16587.9	16550.7	16417.8
15°	16636.1	16605.8	16601.2	16579.4	16536.7	16463.7	16365.8	16278.8	16217.4	16142.8	16009.2
13°	16343.3	16308.3	16302.1	16268.7	16225.2	16157.6	16078.4	16006.1	15955.6	15877.9	15759.1
11°	16060.5	16084.6	16064.4	16033.3	15984.4	15926.9	15868.6	15822.8	15781.6	15733.5	15650.3
9°	15915.2	15866.3	15869.4	15841.4	15808.8	15767.6	15727.2	15681.4	15677.5	15672.9	15607.6
7°	15704.7	15689.2	15712.5	15696.9	15651.1	15656.6	15623.1	15631.7	15655.8	15680.6	15688.4
5°	15587.4	15578.1	15586.6	15582.0	15565.7	15571.9	15568.0	15613.8	15686.8	15813.5	15925.3
3°	15529.9	15546.2	15543.9	15545.5	15581.2	15596.0	15634.0	15700.1	15790.9	15898.1	15912.1
1°	15691.5	15710.2	15719.5	15753.7	15814.2	15817.4	15816.6	15855.4	15872.5	16125.0	16109.4
0°	15851.5	15861.6	15865.5	15869.4	15892.7	15904.4	15870.2	15860.1	15832.9	16017.0	15925.3
-1°	15955.6	15978.9	15963.4	15987.5	16010.0	15953.3	15905.9	15849.2	15812.7	15908.2	15723.4
-3°	16136.6	16119.5	16080.7	16076.8	16081.5	15991.4	15869.4	15806.5	15698.5	15644.1	15569.6
-5°	16070.6	16064.4	16018.5	15992.1	15939.3	15794.0	15674.4	15574.2	15459.2	15289.1	15178.0
-7°	15852.3	15774.6	15754.4	15711.7	15554.0	15427.4	15284.5	15169.5	15010.2	14913.1	14833.9
-9°	15289.1	15252.6	15261.9	15206.0	15018.0	14912.4	14814.5	14718.2	14621.8	14550.4	14497.6
-11°	14646.7	14580.7	14631.2	14583.0	14489.8	14444.7	14412.9	14359.3	14323.6	14276.9	14217.9
-13°	14154.2	14123.1	14165.1	14141.8	14092.1	14094.4	14085.8	14061.8	14040.0	13981.8	13877.7
-15°	13864.5	13827.2	13842.7	13850.5	13830.3	13823.3	13816.3	13790.7	13753.4	13681.1	13552.2
-17°	13319.9	13259.3	13281.1	13282.6	13278.7	13257.8	13290.4	13274.1	13267.1	13217.4	13099.3
-19.5°	12583.5	12558.6	12556.3	12560.2	12571.1	12575.0	12592.0	12591.3	12583.5	12522.9	12401.7
-22.5°	12322.5	12318.6	12304.6	12314.7	12308.5	12300.7	12296.1	12274.3	12223.8	12168.7	12025.0
-25.5°	11981.5	11974.5	11995.5	11974.5	11942.6	11925.5	11883.6	11838.5	11790.4	11753.1	11604.7
-29°	11500.6	11496.7	11479.7	11465.7	11417.5	11367.0	11298.7	11252.8	11157.3	11096.7	10919.6
-33°	10914.9	10896.3	10869.1	10848.9	10820.1	10773.5	10729.3	10646.9	10554.5	10464.4	10295.8
-37.5°	10361.8	10384.4	10363.4	10358.7	10322.2	10267.8	10203.4	10126.5	10040.2	9943.9	9790.1
-42.5°	9410.2	9412.6	9407.1	9369.1	9297.6	9237.0	9164.0	9119.7	9094.1	9038.9	8892.9
-47.5°	6073.9	6087.1	6088.6	6104.9	6072.3	6046.7	6025.7	5999.3	5990.0	6449.1	6108.0
-55°	1228.9	1234.3	1266.2	1319.8	1350.1	1365.6	1328.3	1295.7	1297.3	1437.1	1628.2
-65°	933.7	929.1	926.0	919.0	913.5	904.2	912.7	922.8	916.6	933.7	953.9
-75°	114.2	115.0	115.7	115.0	104.9	115.0	128.2	123.5	129.7	134.4	133.6
-85°	19.4	18.6	25.6	31.8	35.0	41.2	46.6	50.5	52.0	52.8	52.8
-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: P571684

CATALOG NUMBER: UFLD-L-CA4-320-722-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°	30.3	28.7	27.2	26.4	27.2	29.5	33.4	39.6	50.5	55.2	59.0
75°	19.4	19.4	21.0	27.2	28.0	31.8	35.7	41.2	51.3	55.9	59.8
65°	209.0	125.1	90.9	76.9	62.1	53.6	53.6	58.3	61.4	59.8	60.6
55°	1402.9	1263.1	1140.4	1053.4	825.7	557.0	379.1	129.7	91.7	64.5	61.4
47.5°	3991.2	3751.2	3536.0	3310.0	3101.8	2231.0	1455.7	275.8	133.6	69.9	62.1
42.5°	5343.7	4618.1	4884.6	4632.9	4285.6	3885.6	2992.3	996.6	152.3	78.5	62.1
37.5°	11704.2	11243.5	10833.4	10090.7	9172.5	7788.3	6619.2	1957.6	167.0	87.8	62.9
33°	17565.9	16699.8	15969.6	15472.4	14189.2	11242.7	9484.8	2977.5	198.9	97.9	63.7
29°	18823.6	18140.0	17527.1	16850.5	15848.4	13050.4	10852.0	4318.3	236.9	107.2	63.7
25.5°	18061.5	17466.5	16913.4	16427.9	15779.3	13703.7	11399.6	5319.6	275.0	117.3	63.7
22.5°	17245.1	16647.8	16121.1	15762.2	15470.9	13927.4	11243.5	6026.5	313.1	125.8	63.7
19.5°	16584.8	16041.8	15596.0	15325.6	15222.3	13873.8	10873.7	6644.0	355.8	133.6	64.5
17°	15984.4	15554.8	15216.9	15094.1	15021.1	13694.3	10658.6	7140.4	392.3	138.3	64.5
15°	15673.6	15301.6	15057.6	14994.7	14767.1	13485.4	10530.4	7497.0	414.0	142.9	64.5
13°	15467.8	15167.2	15000.2	14832.4	14460.3	13268.6	10467.5	7829.4	429.6	146.0	64.5
11°	15340.4	15107.3	14913.1	14599.3	14120.8	13108.6	10464.4	8109.1	437.3	149.1	65.3
9°	15378.5	15103.5	14786.5	14344.5	13848.9	12978.1	10497.0	8326.6	435.8	151.5	65.3
7°	15434.4	15119.0	14663.8	14106.0	13606.6	12902.0	10543.6	8502.2	427.2	153.8	65.3
5°	15485.7	15128.3	14602.4	13908.7	13405.4	12821.2	10603.4	8645.9	423.4	156.1	65.3
3°	15489.5	15114.3	14520.1	13713.8	13243.8	12763.7	10669.4	8760.1	419.5	157.7	65.3
1°	15431.3	15025.8	14397.3	13538.2	13124.2	12711.7	10738.6	8823.8	417.1	156.9	65.3
0°	15386.2	14937.2	14311.1	13459.0	13044.9	12676.7	10773.5	8840.1	410.9	155.4	65.3
-1°	15299.2	14867.3	14217.9	13410.8	12989.8	12625.5	10796.1	8826.1	407.8	154.6	65.3
-3°	15116.7	14666.1	14071.1	13288.1	12846.8	12516.7	10839.6	8797.3	410.2	153.0	65.3
-5°	14874.3	14462.6	13918.1	13150.6	12682.9	12378.4	10845.0	8720.4	415.6	152.3	65.3
-7°	14611.7	14228.8	13677.2	12944.7	12469.3	12176.5	10810.1	8602.4	407.8	152.3	65.3
-9°	14287.0	13890.9	13340.9	12679.8	12238.6	11948.1	10733.9	8442.3	404.7	153.0	65.3
-11°	13946.0	13527.3	13006.1	12416.5	11989.2	11711.1	10629.8	8256.7	404.7	152.3	66.0
-13°	13596.5	13162.2	12682.2	12157.0	11771.0	11436.9	10487.7	8031.4	401.6	153.8	65.3
-15°	13243.8	12804.1	12393.2	11916.2	11569.0	11197.7	10317.6	7753.3	400.1	156.1	65.3
-17°	12783.9	12404.8	12060.7	11665.3	11333.6	10979.4	10130.3	7441.8	396.2	157.7	65.3
-19.5°	12102.7	11778.7	11524.7	11271.5	11021.3	10692.0	9899.6	6996.7	386.1	158.5	65.3
-22.5°	11706.5	11374.8	11118.4	10893.9	10697.4	10433.3	9641.0	6407.1	369.0	158.5	65.3
-25.5°	11306.4	11005.8	10735.5	10504.0	10368.0	10197.9	9428.1	5752.3	355.8	156.1	65.3
-29°	10685.8	10460.5	10209.6	9975.0	9867.8	9769.1	9115.8	4899.3	348.0	151.5	65.3
-33°	10062.8	9832.8	9567.9	9292.9	9181.9	9132.1	8359.2	3787.7	347.2	142.9	65.3
-37.5°	9567.9	9324.8	9015.6	8682.4	8405.8	8193.0	7159.8	2816.7	341.0	129.7	65.3
-42.5°	8673.8	8519.2	8131.6	7866.7	7332.3	6505.0	5065.6	1827.1	313.1	108.8	64.5
-47.5°	5798.1	5614.8	5481.2	5310.3	4831.7	3758.2	2579.8	676.6	283.5	85.4	64.5
-55°	1595.6	1492.2	1573.8	1370.3	1090.6	801.7	673.5	250.1	221.4	73.8	63.7
-65°	1033.9	1067.3	783.8	487.8	304.5	229.9	329.4	148.4	113.4	67.6	62.9
-75°	125.8	111.1	88.6	97.9	104.1	94.8	87.8	63.7	62.9	62.9	62.1
-85°	51.3	49.7	48.2	47.4	45.8	45.1	45.8	48.2	54.4	59.8	60.6
-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: P571684

CATALOG NUMBER: UFLD-L-CA4-320-722-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)