

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: P571682

Luminaire Tested: **UFLD-L-CA4-270-750-U-66-TS2HW_NFFLD**

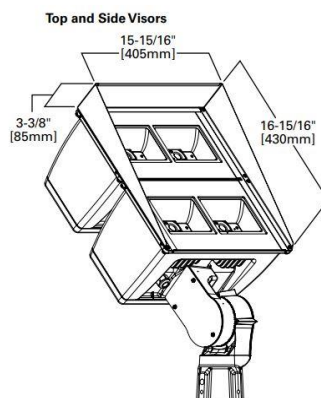
Issue Date: 9/21/2021

Test Information

Test Method: LM-79-08
Report Number: P571682
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-CA4-270-750-U-66-TS2HW_NFFLD
Description: FLOOD LIGHT LARGE, 6x6 OPTIC WITH TOP AND SIDE VISOR
Light Source: (4) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

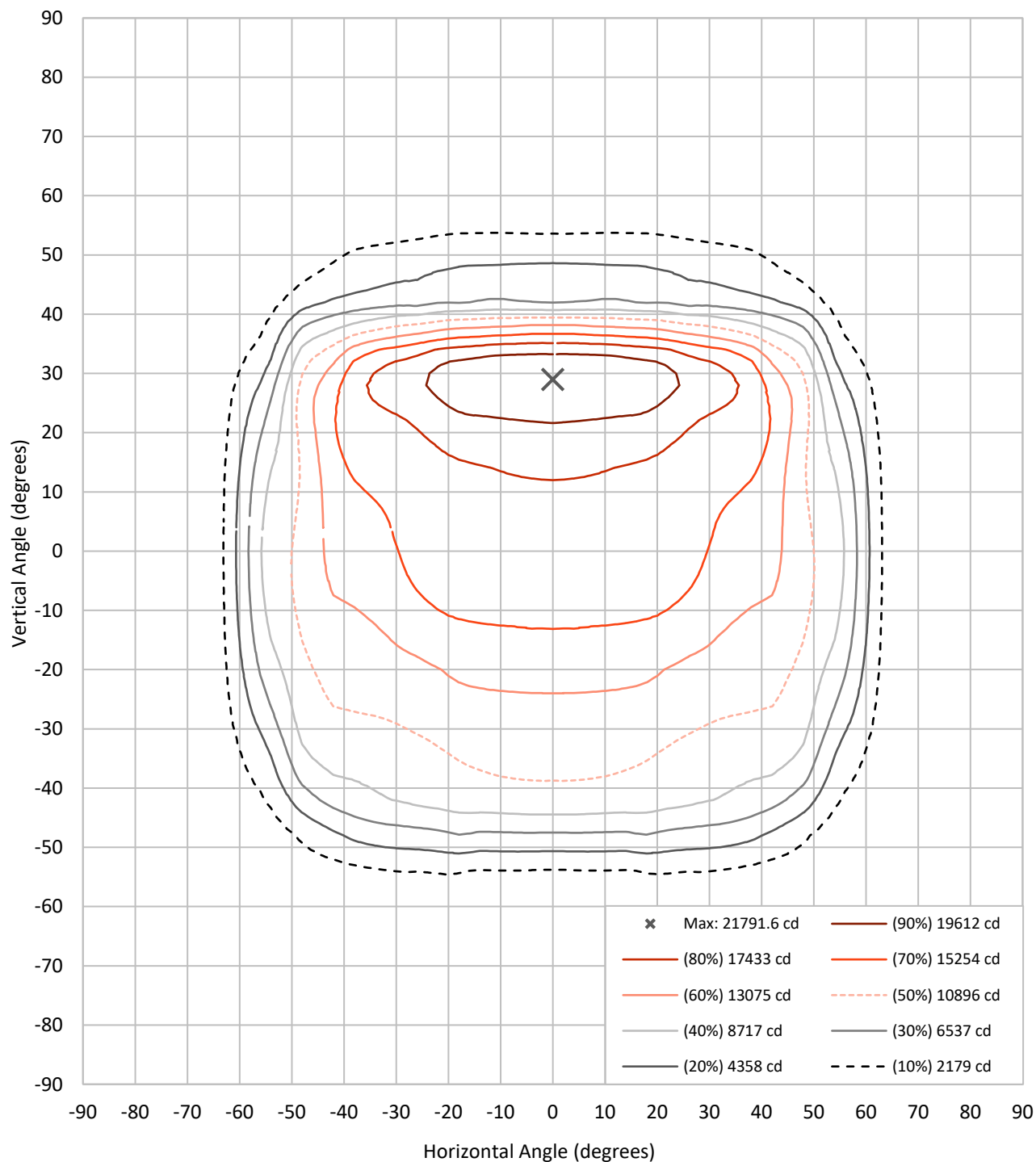
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	37874 lumens	Max Intensity:	21791.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	142.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.33' x L: 1.42' x H: 0')		
Beam Angle (50%):	96.7°H x 78.2°V	Field Angle (10%):	121.2°H x 107.4°V
Beam Lumens:	27496.3 lumens	Field Lumens:	36815.6 lumens
Beam Efficiency:	72.6%	Field Efficiency:	97.2%
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:	25 FT		



REPORT NUMBER: P571682

CATALOG NUMBER: UFLD-L-CA4-270-750-U-66-TS2HW_NFFLD

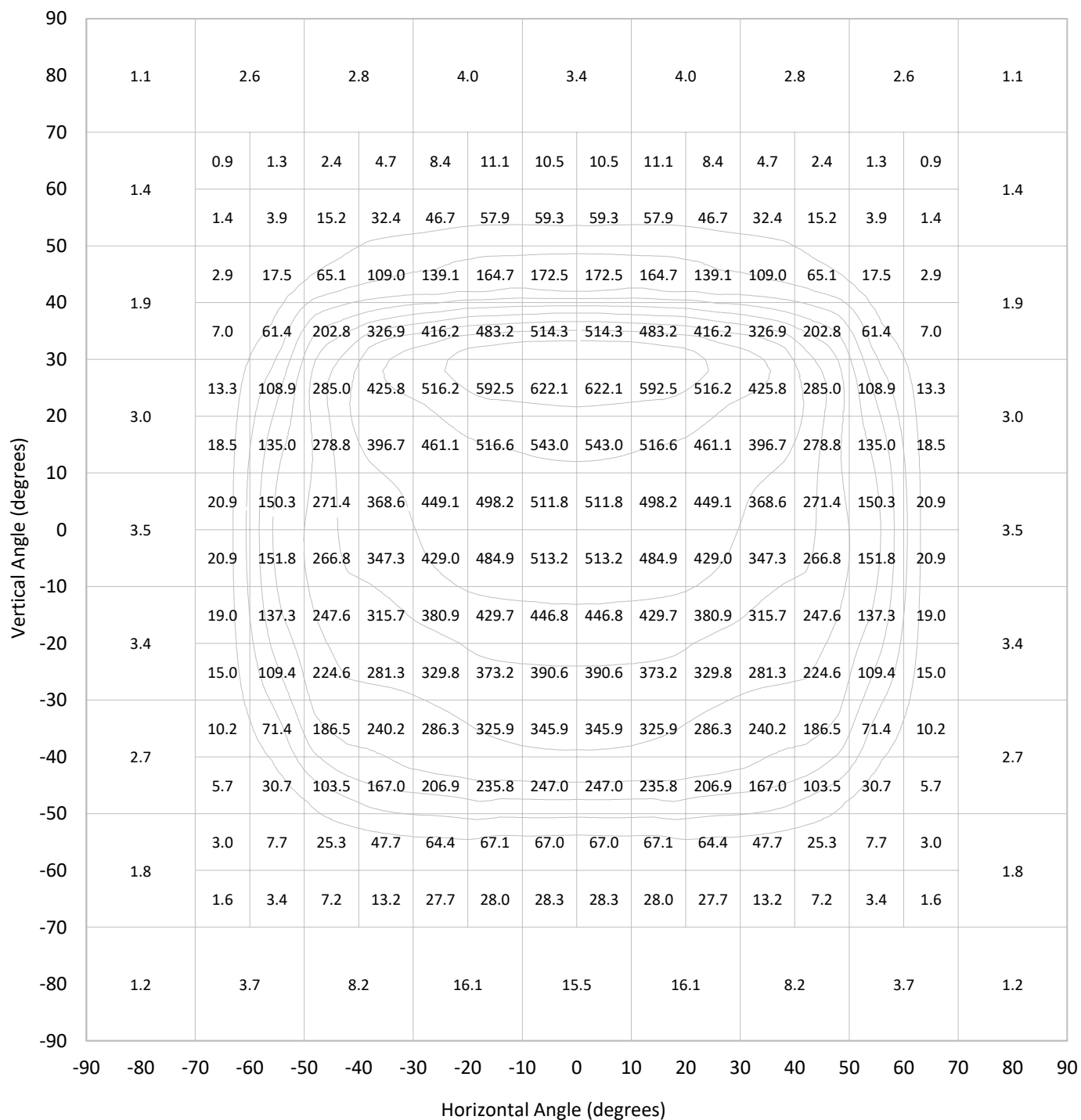
Iso-Candela Plot



REPORT NUMBER: P571682

CATALOG NUMBER: UFLD-L-CA4-270-750-U-66-TS2HW_NFFLD

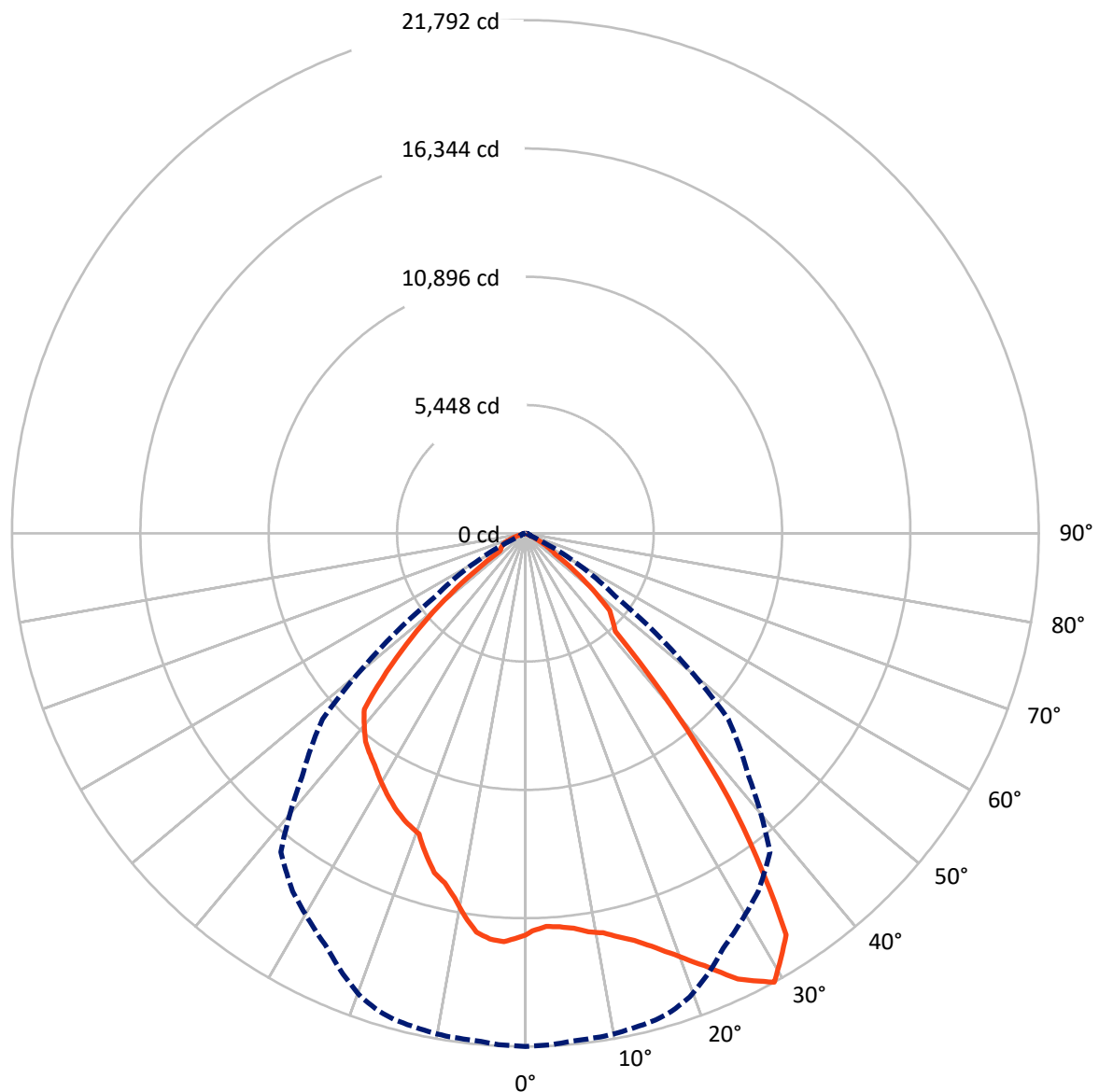
Lumen Table



REPORT NUMBER: P571682

CATALOG NUMBER: UFLD-L-CA4-270-750-U-66-TS2HW_NFFLD

Luminous Intensity Polar Plot



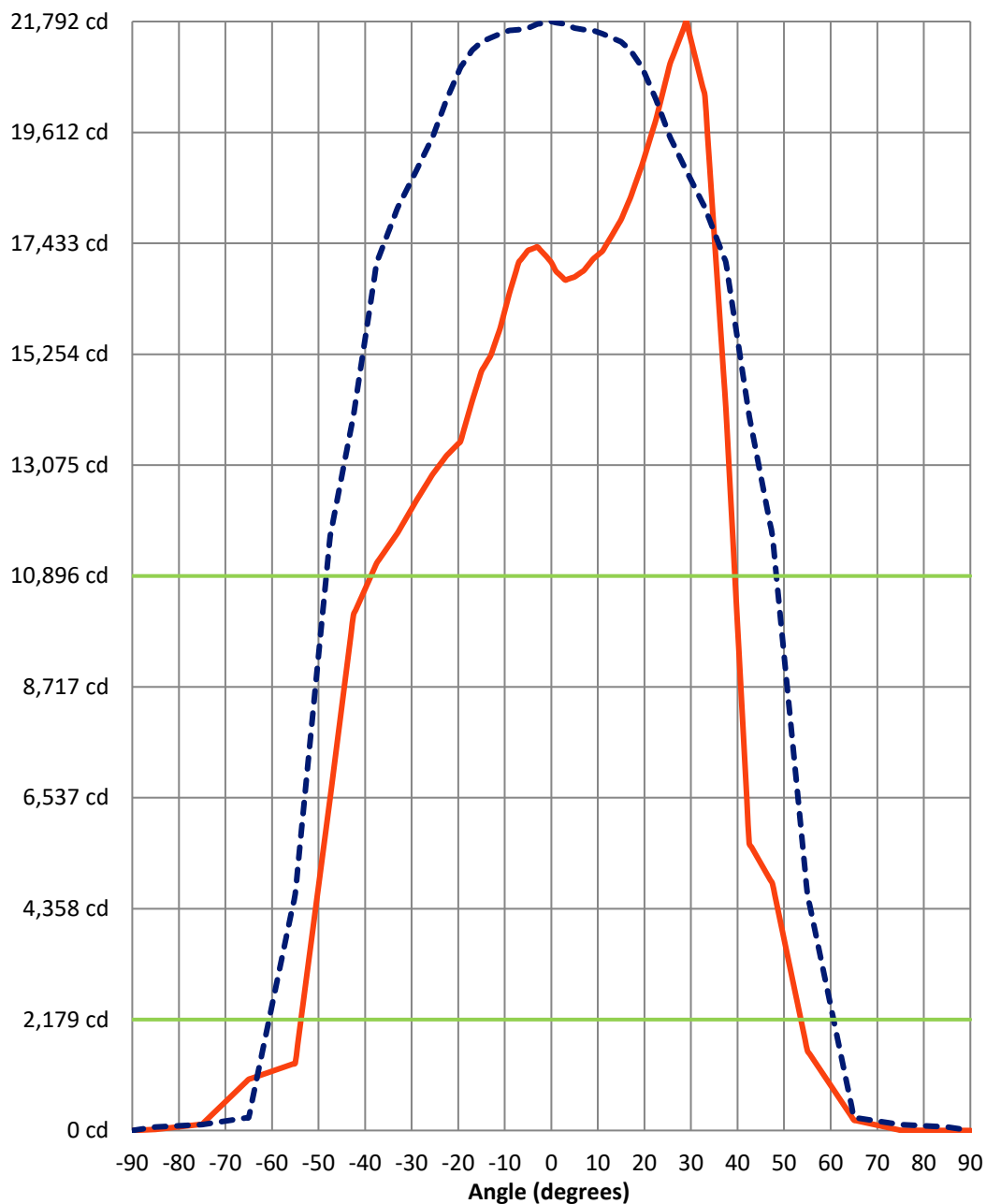
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 29-Deg

REPORT NUMBER: P571682

CATALOG NUMBER: UFLD-L-CA4-270-750-U-66-TS2HW_NFFLD

Luminous Intensity Plot



Beam:

H Angle: 96.7°

V Angle: 78.2°

Lumens: 27496.3

Efficiency: 72.6%

Field:

H Angle: 121.2°

V Angle: 107.4°

Lumens: 36815.6

Efficiency: 97.2%

Spill:

Lumens: 1058.4

Efficiency: 2.8%

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

REPORT NUMBER: P571682

CATALOG NUMBER: UFLD-L-CA4-270-750-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	10.0	22.6	28.4	30.9	33.4	35.9	37.6	37.6	36.8	35.1
75°	4.2	5.9	13.4	17.6	20.1	21.7	23.4	22.6	23.4	21.7	21.7
65°	203.1	203.1	202.3	196.4	184.7	172.2	165.5	183.1	229.0	272.5	282.5
55°	1569.8	1550.6	1547.2	1614.1	1614.9	1664.3	1667.6	1681.0	1641.7	1669.3	1618.3
47.5°	4847.3	4850.7	4821.4	4802.2	4775.4	4720.3	4681.8	4654.2	4650.1	4614.1	4464.5
42.5°	5648.1	5656.5	5734.2	5780.2	5910.6	6066.9	6189.8	6043.5	5913.9	5625.5	5715.8
37.5°	14178.4	14190.9	14175.8	14145.8	13825.6	13742.0	13677.7	13487.9	13398.5	13361.7	13207.1
33°	20320.5	20398.2	20353.1	20291.2	20334.7	20289.5	20194.3	20000.3	19651.8	19474.6	19235.5
29°	21791.6	21769.9	21741.5	21662.9	21631.1	21615.3	21550.1	21472.3	21391.2	21225.7	20888.9
25.5°	20963.3	20893.1	20896.4	20822.0	20765.2	20752.6	20689.9	20600.5	20523.6	20365.6	20013.7
22.5°	19870.8	19852.4	19815.6	19749.6	19713.6	19629.2	19557.3	19479.6	19458.7	19401.8	19129.3
19.5°	18976.4	18954.6	18954.6	18920.4	18871.0	18788.3	18683.8	18606.1	18559.3	18537.5	18340.3
17°	18332.7	18312.7	18306.0	18253.3	18209.9	18133.8	18026.8	17925.7	17849.6	17809.5	17666.5
15°	17901.4	17868.8	17863.8	17840.4	17794.4	17715.8	17610.5	17516.9	17450.9	17370.6	17226.8
13°	17586.3	17548.7	17542.0	17506.0	17459.2	17386.5	17301.2	17223.5	17169.2	17085.6	16957.7
11°	17282.0	17307.9	17286.2	17252.8	17200.1	17138.2	17075.6	17026.2	16981.9	16930.1	16840.7
9°	17125.7	17073.0	17076.4	17046.3	17011.2	16966.9	16923.4	16874.1	16869.9	16864.9	16794.7
7°	16899.2	16882.5	16907.5	16890.8	16841.5	16847.4	16811.4	16820.6	16846.5	16873.3	16881.6
5°	16773.0	16762.9	16772.1	16767.1	16749.6	16756.2	16752.1	16801.4	16880.0	17016.2	17136.6
3°	16711.1	16728.7	16726.1	16727.8	16766.3	16782.2	16823.1	16894.2	16992.0	17107.3	17122.4
1°	16885.0	16905.0	16915.1	16951.8	17017.0	17020.4	17019.5	17061.3	17079.7	17351.4	17334.7
0°	17057.2	17068.0	17072.2	17076.4	17101.5	17114.0	17077.2	17066.4	17037.1	17235.2	17136.6
-1°	17169.2	17194.2	17177.5	17203.4	17227.7	17166.7	17115.7	17054.7	17015.4	17118.2	16919.2
-3°	17363.9	17345.5	17303.7	17299.6	17304.6	17207.6	17076.4	17008.7	16892.5	16834.0	16753.7
-5°	17292.9	17286.2	17236.9	17208.5	17151.6	16995.3	16866.6	16758.7	16635.0	16452.0	16332.4
-7°	17058.0	16974.4	16952.7	16906.7	16737.0	16600.8	16447.0	16323.2	16151.9	16047.4	15962.1
-9°	16452.0	16412.7	16422.7	16362.5	16160.3	16046.6	15941.2	15837.6	15733.9	15657.0	15600.2
-11°	15760.7	15689.6	15744.0	15692.2	15591.8	15543.4	15509.1	15451.4	15413.0	15362.8	15299.3
-13°	15230.7	15197.3	15242.4	15217.4	15163.9	15166.4	15157.2	15131.3	15107.9	15045.2	14933.2
-15°	14919.0	14878.8	14895.6	14903.9	14882.2	14874.7	14867.1	14839.5	14799.4	14721.7	14582.9
-17°	14333.0	14267.8	14291.2	14292.9	14288.7	14266.1	14301.2	14283.7	14276.2	14222.7	14095.6
-19.5°	13540.6	13513.8	13511.3	13515.5	13527.2	13531.4	13549.8	13548.9	13540.6	13475.4	13345.0
-22.5°	13259.7	13255.5	13240.5	13251.4	13244.7	13236.3	13231.3	13207.9	13153.6	13094.2	12939.6
-25.5°	12892.8	12885.2	12907.8	12885.2	12851.0	12832.6	12787.4	12739.0	12687.1	12647.0	12487.4
-29°	12375.3	12371.2	12352.8	12337.7	12285.9	12231.6	12158.0	12108.7	12005.9	11940.7	11750.1
-33°	11745.1	11725.0	11695.8	11674.0	11643.1	11593.0	11545.3	11456.7	11357.2	11260.3	11078.9
-37.5°	11149.9	11174.2	11151.6	11146.6	11107.3	11048.8	10979.4	10896.7	10803.9	10700.2	10534.7
-42.5°	10126.0	10128.5	10122.6	10081.7	10004.8	9939.6	9861.0	9813.3	9785.8	9726.4	9569.3
-47.5°	6535.8	6550.0	6551.7	6569.3	6534.1	6506.6	6484.0	6455.6	6445.5	6939.6	6572.6
-55°	1322.4	1328.2	1362.5	1420.2	1452.8	1469.5	1429.4	1394.3	1395.9	1546.4	1752.0
-65°	1004.7	999.7	996.4	988.9	983.0	973.0	982.2	993.0	986.3	1004.7	1026.5
-75°	122.9	123.7	124.5	123.7	112.8	123.7	137.9	132.9	139.6	144.6	143.8
-85°	20.9	20.1	27.6	34.3	37.6	44.3	50.2	54.3	56.0	56.8	56.8
-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: P571682

CATALOG NUMBER: UFLD-L-CA4-270-750-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°	32.6	30.9	29.3	28.4	29.3	31.8	35.9	42.6	54.3	59.3	63.5
75°	20.9	20.9	22.6	29.3	30.1	34.3	38.5	44.3	55.2	60.2	64.4
65°	224.9	134.6	97.8	82.8	66.9	57.7	57.7	62.7	66.0	64.4	65.2
55°	1509.6	1359.2	1227.1	1133.5	888.6	599.3	407.9	139.6	98.6	69.4	66.0
47.5°	4294.8	4036.5	3805.0	3561.7	3337.7	2400.7	1566.5	296.7	143.8	75.2	66.9
42.5°	5750.1	4969.4	5256.1	4985.2	4611.6	4181.1	3219.8	1072.4	163.8	84.4	66.9
37.5°	12594.3	12098.7	11657.3	10858.2	9870.2	8380.6	7122.6	2106.4	179.7	94.5	67.7
33°	18902.0	17970.0	17184.2	16649.2	15268.4	12097.8	10206.2	3204.0	214.0	105.3	68.5
29°	20255.3	19519.7	18860.2	18132.1	17053.8	14042.9	11677.4	4646.7	254.9	115.4	68.5
25.5°	19435.3	18795.0	18199.8	17677.4	16979.4	14745.9	12266.7	5724.2	295.9	126.2	68.5
22.5°	18556.7	17913.9	17347.2	16961.0	16647.6	14986.7	12098.7	6484.8	336.9	135.4	68.5
19.5°	17846.2	17262.0	16782.2	16491.3	16380.1	14929.0	11700.8	7149.4	382.8	143.8	69.4
17°	17200.1	16737.9	16374.2	16242.2	16163.6	14735.9	11469.2	7683.5	422.1	148.8	69.4
15°	16865.7	16465.4	16202.9	16135.2	15890.3	14511.0	11331.3	8067.2	445.5	153.8	69.4
13°	16644.2	16320.7	16141.0	15960.5	15560.1	14277.8	11263.6	8424.9	462.2	157.1	69.4
11°	16507.1	16256.4	16047.4	15709.7	15194.8	14105.6	11260.3	8725.9	470.6	160.5	70.2
9°	16548.1	16252.2	15911.2	15435.5	14902.2	13965.2	11295.4	8959.9	468.9	163.0	70.2
7°	16608.3	16268.9	15779.1	15178.9	14641.4	13883.3	11345.5	9148.8	459.7	165.5	70.2
5°	16663.5	16278.9	15713.1	14966.6	14424.9	13796.4	11409.9	9303.5	455.6	168.0	70.2
3°	16667.6	16263.9	15624.4	14756.8	14251.1	13734.5	11480.9	9426.3	451.4	169.7	70.2
1°	16604.9	16168.6	15492.4	14567.9	14122.4	13678.5	11555.3	9494.9	448.9	168.8	70.2
0°	16556.5	16073.3	15399.6	14482.6	14037.1	13640.9	11593.0	9512.4	442.2	167.2	70.2
-1°	16462.8	15998.1	15299.3	14430.8	13977.7	13585.7	11617.2	9497.4	438.8	166.3	70.2
-3°	16266.4	15781.6	15141.3	14298.7	13823.9	13468.7	11664.0	9466.4	441.3	164.7	70.2
-5°	16005.6	15562.6	14976.6	14150.8	13647.6	13319.9	11669.9	9383.7	447.2	163.8	70.2
-7°	15723.1	15311.0	14717.5	13929.3	13417.7	13102.6	11632.2	9256.6	438.8	163.8	70.2
-9°	15373.7	14947.4	14355.6	13644.2	13169.4	12856.8	11550.3	9084.4	435.5	164.7	70.2
-11°	15006.7	14556.2	13995.3	13360.9	12901.1	12601.9	11438.3	8884.7	435.5	163.8	71.1
-13°	14630.6	14163.3	13646.7	13081.7	12666.2	12306.8	11285.3	8642.3	432.2	165.5	70.2
-15°	14251.1	13778.0	13335.8	12822.5	12448.9	12049.3	11102.3	8343.0	430.5	168.0	70.2
-17°	13756.2	13348.3	12978.0	12552.6	12195.6	11814.5	10900.8	8007.8	426.3	169.7	70.2
-19.5°	13023.2	12674.6	12401.3	12128.8	11859.6	11505.2	10652.6	7528.9	415.4	170.5	70.2
-22.5°	12596.9	12239.9	11964.1	11722.5	11511.0	11226.8	10374.2	6894.4	397.0	170.5	70.2
-25.5°	12166.4	11842.9	11552.0	11302.9	11156.6	10973.6	10145.2	6189.8	382.8	168.0	70.2
-29°	11498.5	11256.1	10986.1	10733.7	10618.3	10512.1	9809.2	5272.0	374.5	163.0	70.2
-33°	10828.1	10580.7	10295.7	9999.7	9880.2	9826.7	8995.0	4075.8	373.6	153.8	70.2
-37.5°	10295.7	10034.0	9701.3	9342.7	9045.2	8816.1	7704.4	3030.9	367.0	139.6	70.2
-42.5°	9333.5	9167.2	8750.1	8465.1	7890.0	6999.7	5450.8	1966.0	336.9	117.0	69.4
-47.5°	6239.1	6041.8	5898.0	5714.1	5199.2	4044.0	2776.0	728.1	305.1	91.9	69.4
-55°	1716.9	1605.7	1693.5	1474.5	1173.6	862.6	724.7	269.2	238.2	79.4	68.5
-65°	1112.6	1148.5	843.4	524.9	327.7	247.4	354.4	159.7	122.0	72.7	67.7
-75°	135.4	119.5	95.3	105.3	112.0	102.0	94.5	68.5	67.7	67.7	66.9
-85°	55.2	53.5	51.8	51.0	49.3	48.5	49.3	51.8	58.5	64.4	65.2
-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: P571682

CATALOG NUMBER: UFLD-L-CA4-270-750-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)