

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: P507832

Luminaire Tested: **UFLD-L-CA4-370-727-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507832
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-CA4-370-727-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:	43232 lumens	Max Intensity:	23071.8 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	118.1 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:	32121.4 lumens	Field Lumens:	41778.7 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%

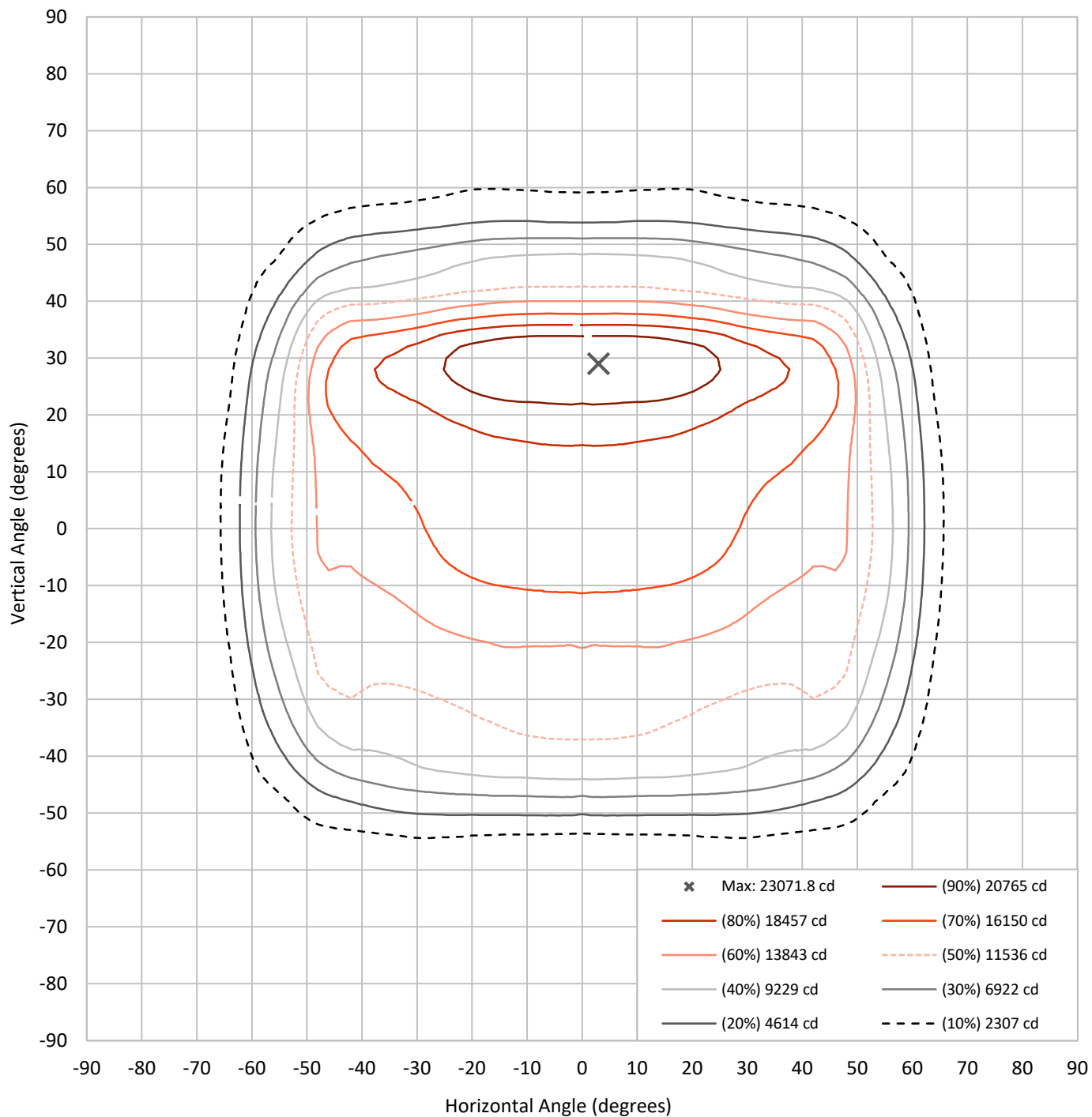
Input Watts (W): 366
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P507832

CATALOG NUMBER: UFLD-L-CA4-370-727-U-66

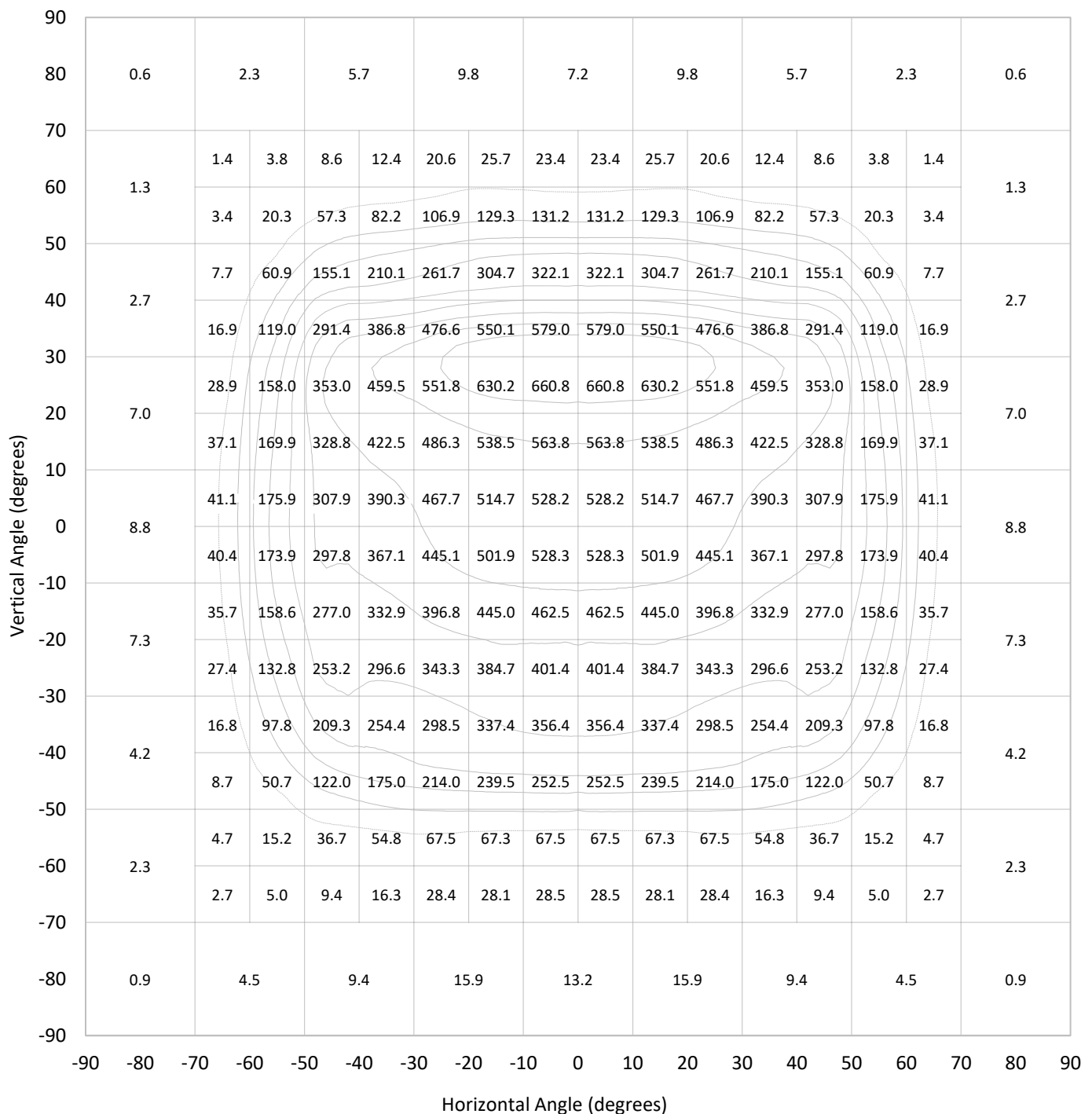
Iso-Candela Plot



REPORT NUMBER: P507832

CATALOG NUMBER: UFLD-L-CA4-370-727-U-66

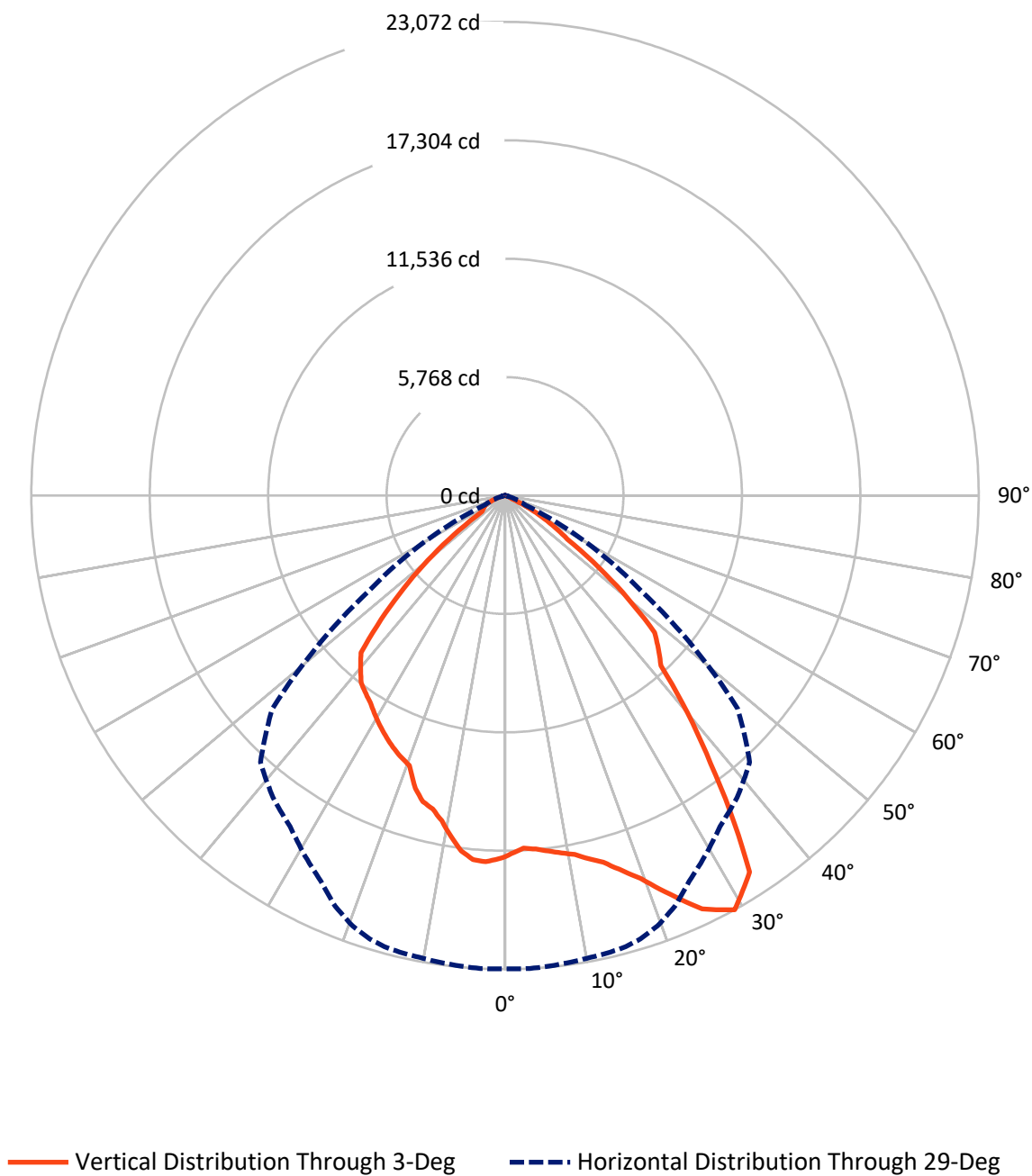
Lumen Table



REPORT NUMBER: P507832

CATALOG NUMBER: UFLD-L-CA4-370-727-U-66

Luminous Intensity Polar Plot

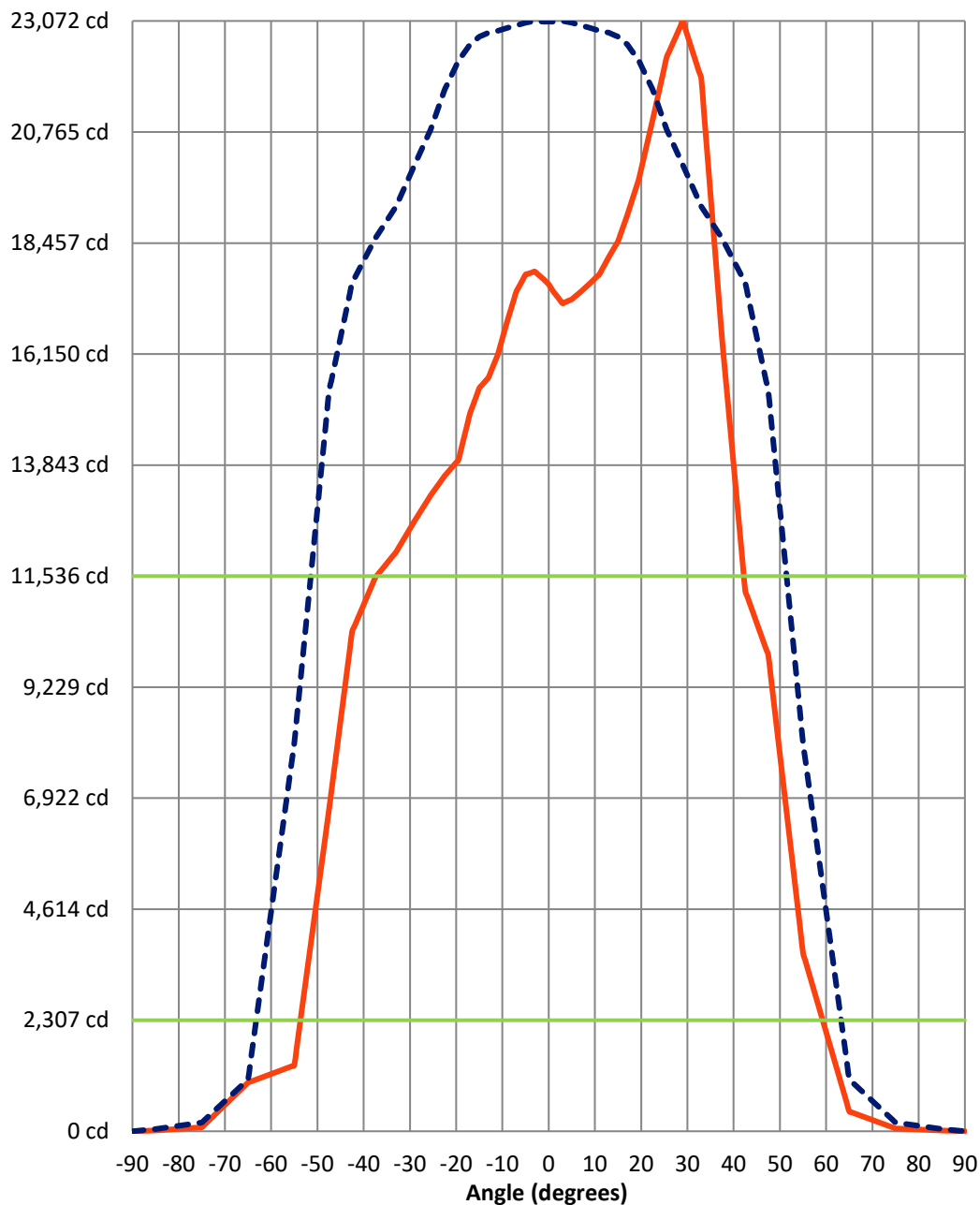




REPORT NUMBER: P507832

CATALOG NUMBER: UFLD-L-CA4-370-727-U-66

Luminous Intensity Plot



Beam:

H Angle: 102.9°
V Angle: 79.4°
Lumens: 32121.4
Efficiency: 74.3%

Field:

H Angle: 126.5°
V Angle: 112.9°
Lumens: 41778.7
Efficiency: 96.6%

Spill:

Lumens: 1453.3
Efficiency: 3.4%

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



REPORT NUMBER: P507832

CATALOG NUMBER: UFLD-L-CA4-370-727-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°	0.9	7.3	15.5	36.5	47.5	55.7	61.2	63.9	64.8	64.8	62.1
75°	53.9	54.8	58.5	53.0	42.0	45.7	66.7	75.8	84.0	86.8	82.2
65°	416.5	413.7	411.0	408.3	396.4	379.0	372.6	409.2	502.3	599.1	646.6
55°	3635.1	3622.3	3708.1	3647.9	3766.6	3880.8	3921.9	3933.7	3947.4	3878.0	3784.0
47.5°	9854.9	9940.8	9886.9	9879.6	9817.5	9720.6	9662.2	9567.2	9484.1	9466.7	9182.7
42.5°	11308.0	11269.7	11234.0	11313.5	11267.8	11306.2	11301.6	11204.8	11137.2	10998.4	10859.6
37.5°	16388.9	16417.2	16452.8	16460.1	16482.1	16389.8	16325.9	16258.3	16128.6	15907.6	15590.7
33°	21881.7	21931.9	21871.7	21868.0	21916.4	21894.5	21800.4	21712.7	21520.0	21260.6	20966.6
29°	23059.0	23056.3	23071.8	23035.3	22979.5	22925.7	22867.2	22827.9	22743.9	22582.2	22245.2
25.5°	22275.4	22288.1	22314.6	22293.6	22223.3	22184.0	22133.8	22065.3	21919.2	21745.6	21458.8
22.5°	20962.9	21063.4	21024.1	20997.6	20937.3	20841.4	20860.6	20795.8	20682.5	20505.3	20203.9
19.5°	19744.5	19794.7	19784.7	19711.6	19674.2	19595.6	19559.1	19511.6	19415.7	19306.1	19100.6
17°	18964.5	19057.7	19037.6	18992.8	18934.4	18882.3	18816.6	18776.4	18697.8	18577.3	18327.9
15°	18501.5	18543.5	18494.1	18485.0	18493.2	18390.0	18348.0	18245.7	18221.1	18119.7	17899.6
13°	18110.5	18131.6	18164.4	18112.4	18103.2	18066.7	17979.0	17936.1	17850.2	17809.1	17650.2
11°	17803.7	17947.1	17811.9	17849.3	17807.3	17801.8	17752.5	17728.8	17664.8	17601.8	17504.1
9°	17643.8	17668.5	17625.6	17623.7	17604.6	17569.9	17558.0	17556.2	17543.4	17508.7	17448.4
7°	17448.4	17469.4	17449.3	17429.2	17414.6	17400.0	17441.1	17454.8	17514.1	17464.8	17407.3
5°	17315.0	17294.9	17287.6	17284.0	17320.5	17320.5	17400.9	17446.6	17502.3	17517.8	17442.9
3°	17200.9	17225.5	17203.6	17230.1	17302.2	17340.6	17448.4	17515.1	17551.6	17552.5	17522.4
1°	17378.1	17438.3	17450.2	17468.5	17495.0	17518.7	17599.1	17658.4	17619.2	17621.0	17498.6
0°	17544.3	17568.0	17599.1	17578.1	17612.8	17633.8	17691.3	17703.2	17687.7	17618.3	17453.9
-1°	17718.7	17713.2	17695.9	17692.2	17700.5	17675.8	17707.8	17668.5	17621.9	17559.8	17405.5
-3°	17843.9	17889.5	17864.9	17836.5	17747.0	17747.0	17711.4	17565.3	17502.3	17437.4	17220.0
-5°	17738.8	17797.3	17800.9	17710.5	17571.7	17535.1	17421.9	17334.2	17224.6	17118.7	16899.5
-7°	17505.0	17474.0	17446.6	17329.6	17238.3	17152.5	17001.8	16849.2	16820.9	16720.5	16527.7
-9°	16860.2	16882.1	16817.3	16786.2	16685.7	16574.3	16530.5	16421.8	16364.2	16274.7	16097.6
-11°	16219.9	16132.3	16138.7	16160.6	16089.3	16090.2	16042.8	15977.0	15968.8	15883.8	15734.0
-13°	15714.9	15708.5	15665.5	15702.1	15688.4	15690.2	15645.5	15637.2	15621.7	15563.3	15361.4
-15°	15381.5	15435.4	15440.9	15409.8	15417.1	15399.8	15383.3	15344.1	15332.2	15239.9	15029.0
-17°	14896.5	14914.8	14919.4	14916.6	14893.8	14912.0	14932.1	14916.6	14859.1	14788.7	14618.9
-19.5°	13999.6	13926.6	13952.1	13977.7	13985.0	13984.1	14013.3	14062.6	14017.0	13924.7	13784.1
-22.5°	13680.0	13664.4	13616.9	13632.5	13625.2	13602.3	13602.3	13606.0	13579.5	13482.7	13290.9
-25.5°	13200.5	13222.4	13215.1	13205.0	13203.2	13162.1	13163.9	13170.3	13118.3	13011.4	12838.8
-29°	12671.6	12686.2	12680.8	12656.1	12622.3	12548.3	12517.3	12447.9	12355.6	12296.2	12156.5
-33°	12069.7	12033.2	12035.0	12031.4	11986.6	11943.7	11891.6	11804.9	11709.9	11635.9	11487.9
-37.5°	11502.6	11523.6	11504.4	11510.8	11485.2	11442.3	11395.7	11329.9	11236.8	11129.9	10982.9
-42.5°	10419.3	10403.8	10380.1	10328.0	10307.0	10207.4	10146.3	10148.1	10127.1	10045.8	9906.0
-47.5°	6468.2	6640.0	6679.2	6645.4	6612.6	6598.9	6529.4	6524.0	6529.4	6485.6	6377.8
-55°	1336.2	1331.6	1370.0	1397.4	1454.0	1476.0	1486.9	1446.7	1491.5	1583.7	1628.5
-65°	1029.3	1025.7	1011.1	1010.2	996.5	991.0	990.1	980.9	987.3	1014.7	1045.8
-75°	80.4	80.4	81.3	72.2	66.7	74.9	97.7	105.0	116.0	111.4	124.2
-85°	2.7	8.2	16.4	38.4	49.3	56.6	62.1	64.8	64.8	63.9	63.0
-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: P507832

CATALOG NUMBER: UFLD-L-CA4-370-727-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°	57.5	53.9	51.1	47.5	41.1	34.7	30.1	25.6	29.2	25.6	31.1
75°	74.0	74.9	94.1	117.8	105.9	71.2	49.3	41.1	53.9	31.1	33.8
65°	563.5	363.5	225.6	169.9	137.9	116.9	143.4	108.7	100.5	50.2	35.6
55°	3551.1	3314.5	3141.0	2919.9	2847.8	2644.1	2139.0	870.4	159.8	81.3	38.4
47.5°	8874.9	8477.6	8029.1	7526.8	7093.9	6494.7	5321.1	2328.1	191.8	105.0	41.1
42.5°	10617.5	10165.4	9894.2	9527.9	9122.4	8988.1	8094.0	4009.5	197.3	119.6	42.0
37.5°	15319.4	14813.4	14116.5	13578.6	13153.0	13091.8	11415.8	5659.9	314.2	137.9	43.8
33°	20402.1	19660.5	18699.7	17869.4	17146.1	16496.7	13987.7	6988.9	731.6	158.9	44.8
29°	21640.6	20820.4	20079.7	19217.5	18552.6	17630.1	15366.9	8068.4	1075.9	181.8	45.7
25.5°	20872.5	20257.8	19537.2	18859.5	18361.7	17717.8	15962.4	8672.1	1354.5	202.8	46.6
22.5°	19739.0	19199.2	18600.1	18169.0	17898.7	17400.9	15916.7	9006.4	1576.4	221.0	47.5
19.5°	18743.5	18367.2	17883.1	17616.4	17499.5	16901.3	15457.3	9341.6	1776.4	240.2	48.4
17°	18054.8	17730.6	17410.9	17284.9	17168.0	16395.3	15039.0	9576.3	1939.9	250.3	49.3
15°	17652.1	17417.3	17188.1	17097.7	16877.5	15950.5	14760.4	9732.5	2054.1	258.5	50.2
13°	17459.3	17305.0	17100.4	16928.7	16553.3	15548.6	14554.9	9916.1	2147.3	265.8	50.2
11°	17353.4	17210.0	16936.0	16682.1	16154.2	15193.4	14433.5	10074.1	2224.0	269.4	51.1
9°	17293.1	17120.5	16786.2	16338.7	15828.1	14884.6	14361.3	10188.3	2287.9	271.3	52.1
7°	17312.3	17029.2	16593.5	16079.3	15531.3	14694.7	14298.3	10271.4	2331.7	270.3	53.0
5°	17305.9	16936.9	16435.5	15908.5	15302.0	14517.5	14249.9	10337.1	2351.8	267.6	53.9
3°	17272.1	16891.2	16293.9	15659.2	15097.5	14375.9	14228.0	10379.2	2370.1	264.9	53.9
1°	17218.2	16780.7	16112.2	15518.5	14954.1	14242.6	14204.2	10396.5	2365.5	262.1	53.9
0°	17164.3	16727.8	16052.8	15445.4	14888.3	14170.4	14169.5	10440.3	2357.3	260.3	53.9
-1°	17076.7	16613.6	15948.7	15336.7	14802.4	14183.2	14171.3	10401.1	2348.2	257.6	54.8
-3°	16836.4	16403.5	15777.0	15174.2	14645.3	14090.0	14140.3	10362.7	2331.7	254.8	55.7
-5°	16564.3	16145.0	15583.3	14985.1	14463.6	13950.3	14069.0	10254.9	2293.4	253.0	55.7
-7°	16218.1	15903.0	15303.0	14722.1	14228.0	13751.2	13934.8	10150.8	2251.4	251.2	56.6
-9°	15863.7	15534.0	14999.7	14421.6	13967.7	13585.9	13751.2	9989.2	2195.7	249.3	56.6
-11°	15502.1	15162.3	14628.9	14091.9	13658.9	13326.5	13557.6	9808.3	2133.6	249.3	57.5
-13°	15069.1	14758.6	14274.5	13791.4	13375.8	13130.1	13349.3	9580.0	2057.7	250.3	57.5
-15°	14735.8	14404.2	13940.3	13488.2	13110.9	12928.3	13106.4	9288.6	1985.6	252.1	58.5
-17°	14338.5	14051.7	13627.9	13205.9	12865.3	12733.7	12863.4	8993.6	1892.4	253.0	58.5
-19.5°	13563.0	13301.8	13033.3	12755.7	12531.9	12489.9	12552.9	8606.4	1766.4	254.8	58.5
-22.5°	13041.5	12776.7	12484.4	12268.8	12115.4	12259.7	12180.3	8069.3	1587.4	257.6	58.5
-25.5°	12614.1	12370.2	12078.0	11870.6	11783.0	12099.0	11837.8	7488.4	1387.4	257.6	58.5
-29°	11954.7	11741.9	11479.7	11283.4	11235.9	11728.2	11173.8	6817.1	1151.7	253.9	58.5
-33°	11232.2	10992.9	10728.0	10518.9	10430.3	11093.4	10078.7	6012.5	857.6	243.9	58.5
-37.5°	10771.9	10504.3	10208.4	9879.6	9679.5	9770.0	8614.6	4858.0	498.7	226.5	57.5
-42.5°	9658.5	9494.1	9129.7	8774.4	8250.2	7622.7	6423.5	3484.4	380.9	205.5	57.5
-47.5°	6386.0	6265.5	6148.6	5924.8	5425.2	4773.1	4011.4	1929.9	362.6	179.9	56.6
-55°	1764.6	1789.2	1895.2	1765.5	1543.5	1352.7	1312.5	589.1	333.4	137.9	53.9
-65°	1107.9	1123.4	916.1	648.5	438.4	335.2	339.8	225.6	221.9	80.4	50.2
-75°	135.2	136.1	114.2	108.7	109.6	125.1	130.6	108.7	87.7	45.7	46.6
-85°	61.2	60.3	58.5	56.6	55.7	53.0	49.3	44.8	41.1	42.0	42.0
-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: P507832

CATALOG NUMBER: UFLD-L-CA4-370-727-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)