

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: P507828

Luminaire Tested: **UFLD-L-CA4-320-740-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507828
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-CA4-320-740-U-66
Description: UTILITY FLOOD LARGE, 6x6 OPTIC
Light Source: (4) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	46802 lumens	Max Intensity:	24977 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	145.2 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:	34773.9 lumens	Field Lumens:	45228.7 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%

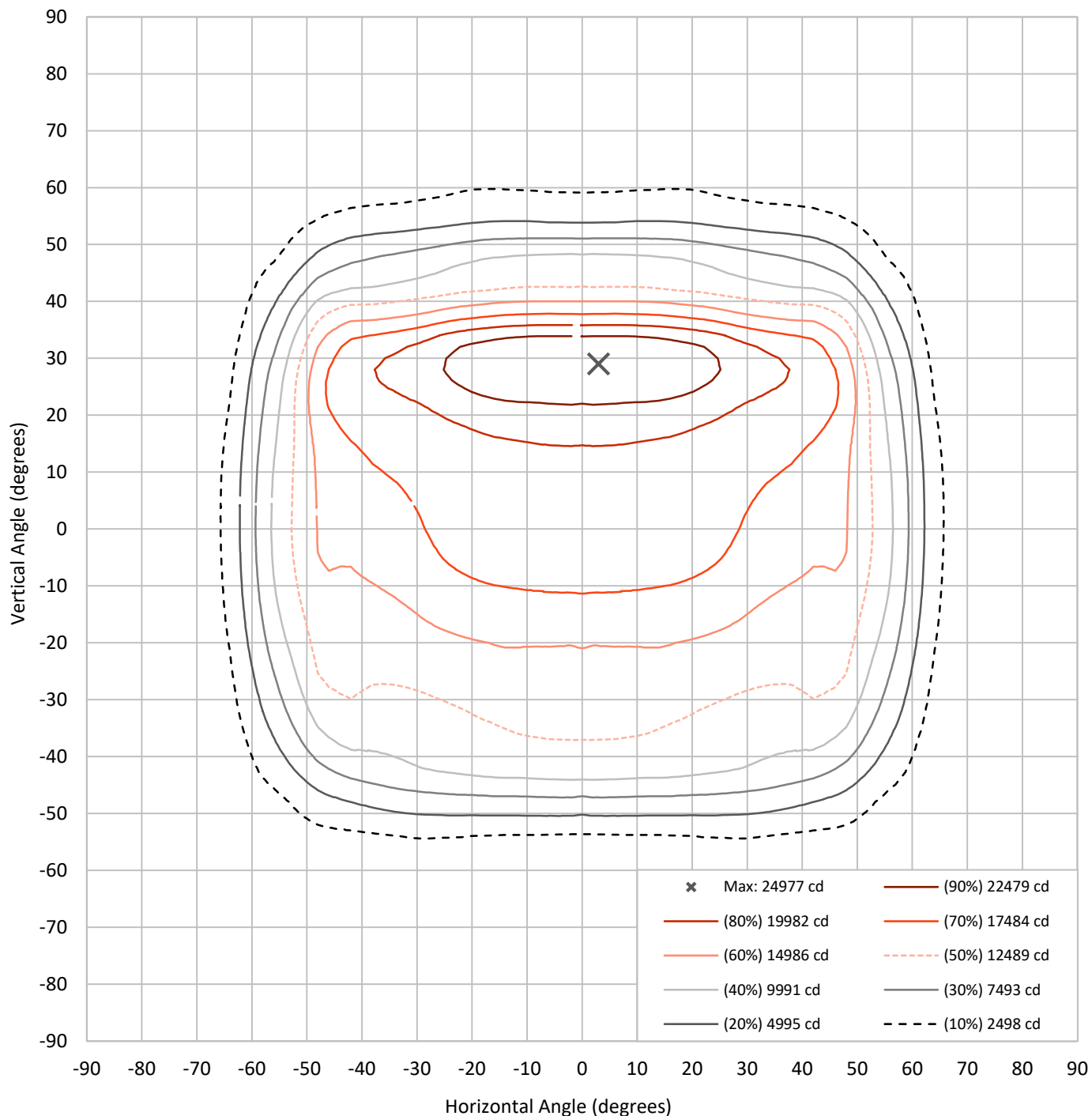
Input Watts (W): 322.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P507828

CATALOG NUMBER: UFLD-L-CA4-320-740-U-66

Iso-Candela Plot

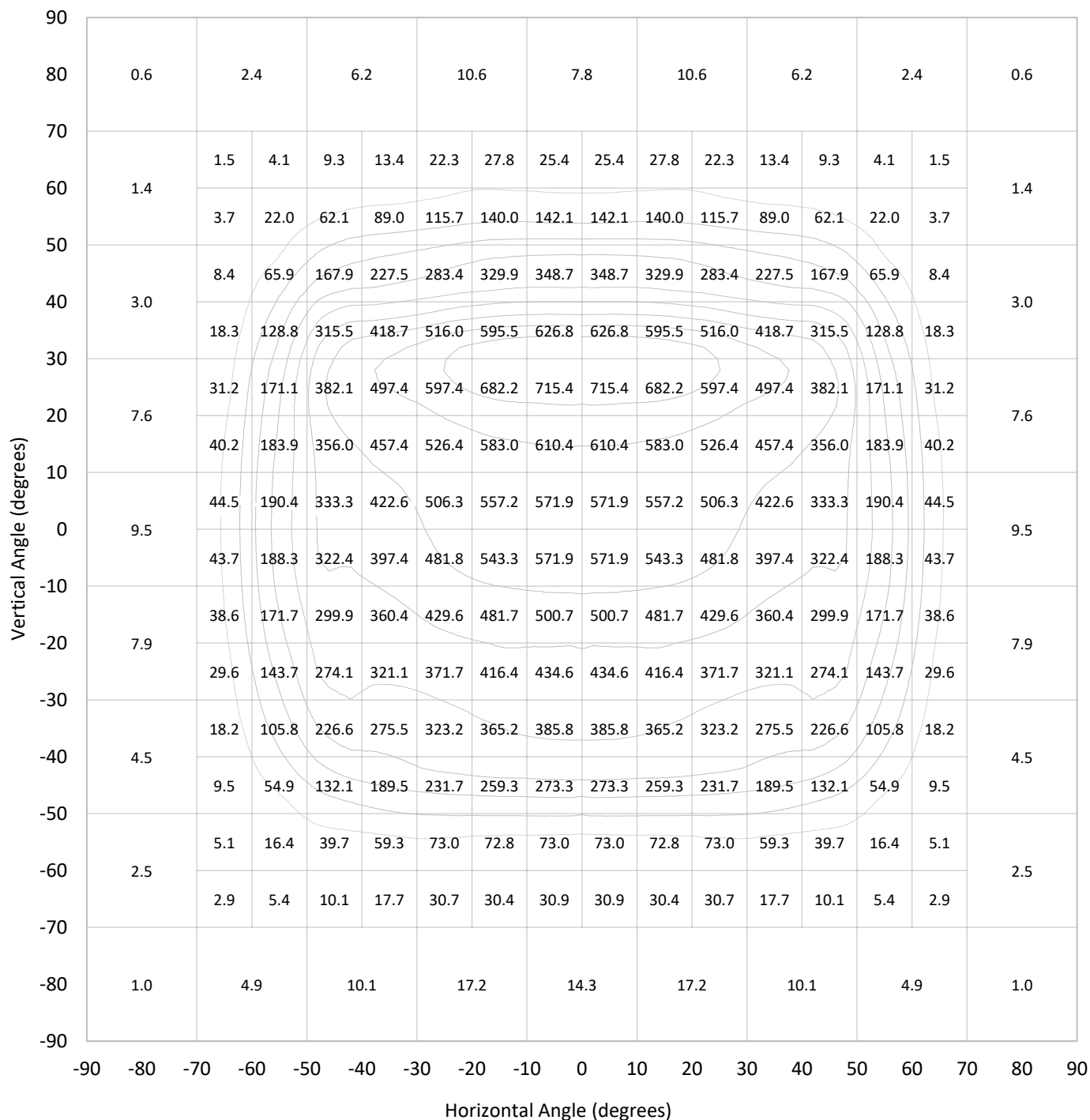




REPORT NUMBER: P507828

CATALOG NUMBER: UFLD-L-CA4-320-740-U-66

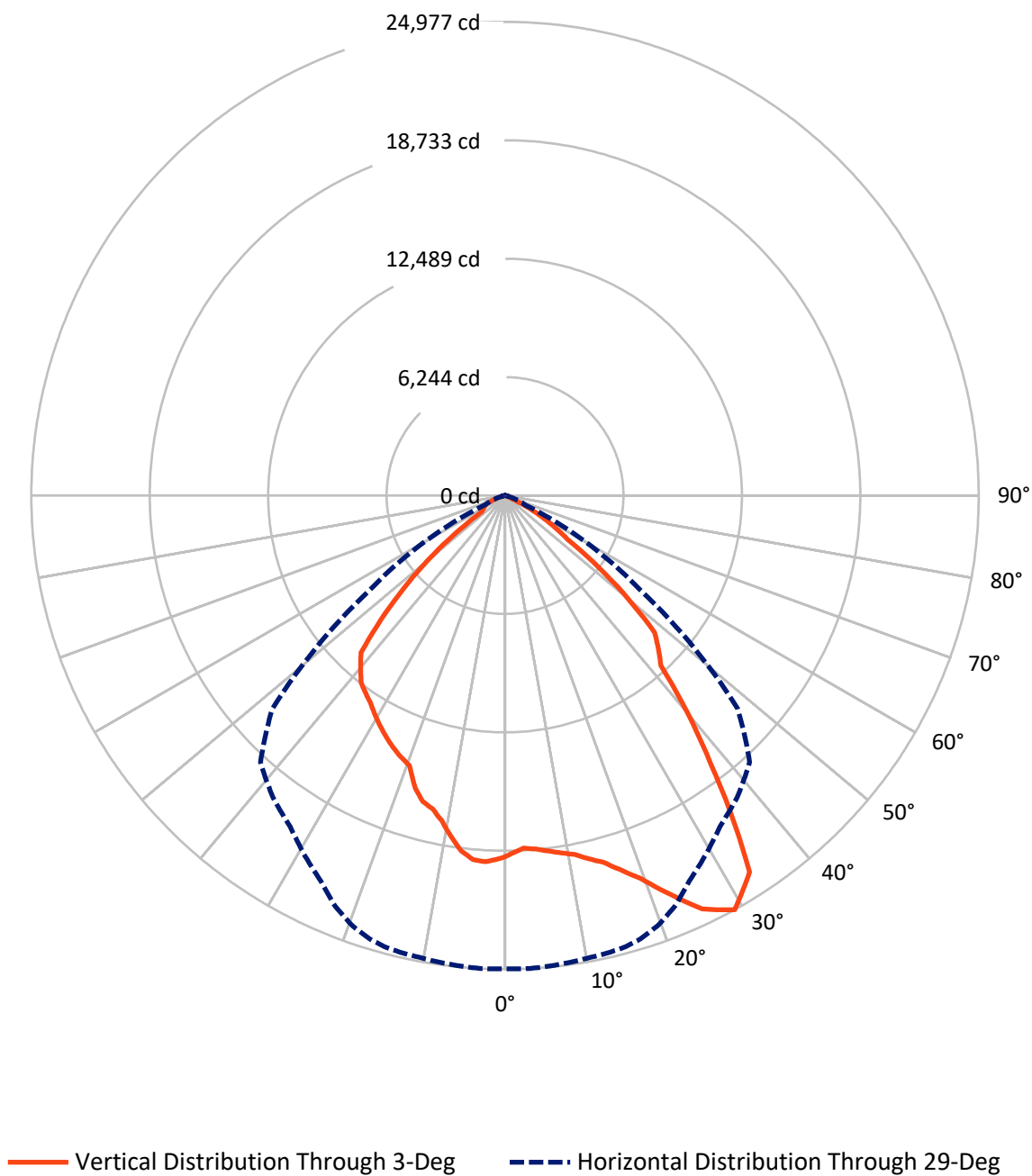
Lumen Table



REPORT NUMBER: P507828

CATALOG NUMBER: UFLD-L-CA4-320-740-U-66

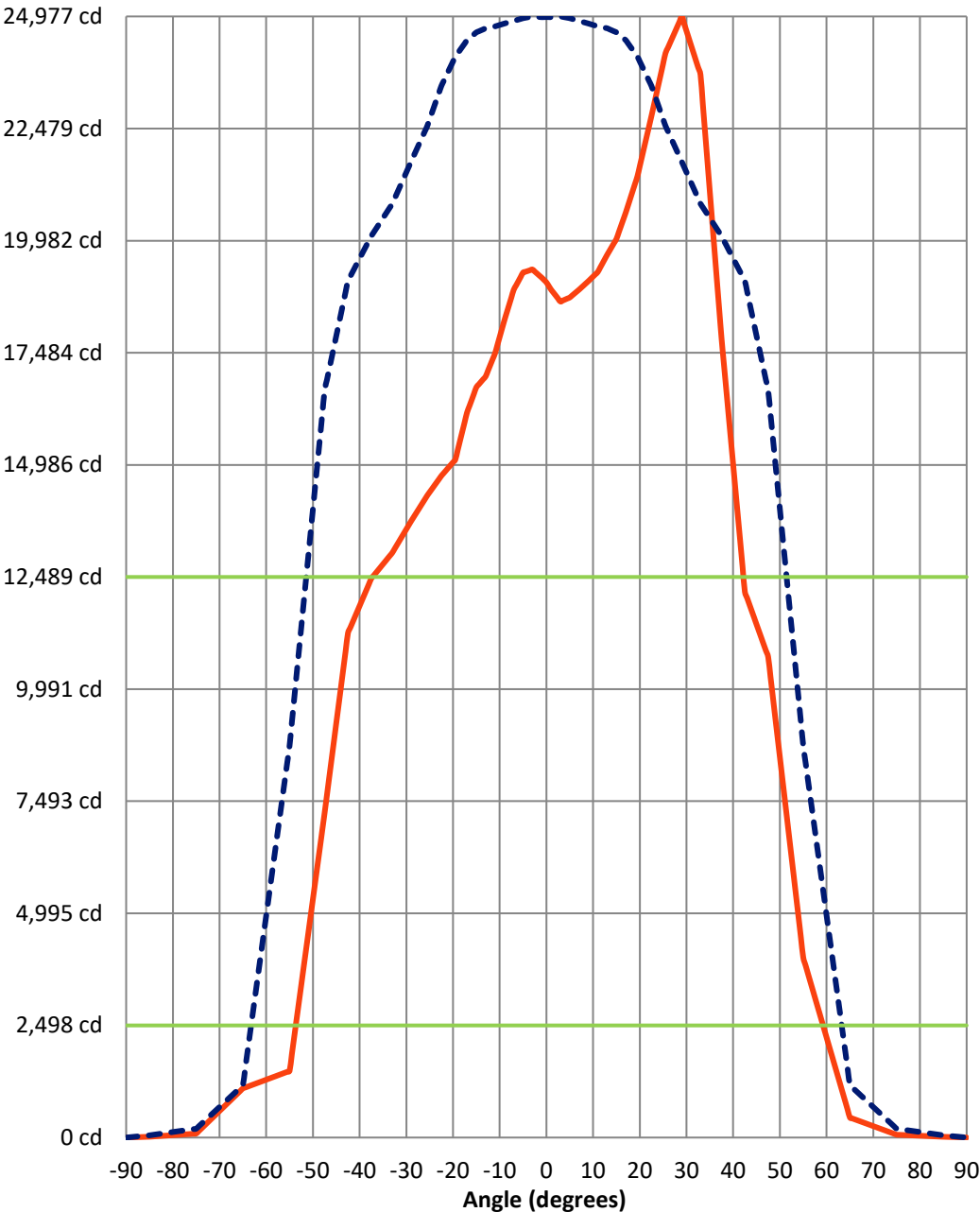
Luminous Intensity Polar Plot





REPORT NUMBER: P507828
CATALOG NUMBER: UFLD-L-CA4-320-740-U-66

Luminous Intensity Plot



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



REPORT NUMBER: P507828

CATALOG NUMBER: UFLD-L-CA4-320-740-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°	1.0	7.9	16.8	39.6	51.4	60.3	66.2	69.2	70.2	70.2	67.2
75°	58.3	59.3	63.3	57.3	45.5	49.4	72.2	82.1	91.0	93.9	89.0
65°	450.9	447.9	444.9	442.0	429.1	410.3	403.4	443.0	543.8	648.6	700.0
55°	3935.3	3921.4	4014.4	3949.1	4077.6	4201.2	4245.7	4258.6	4273.4	4198.3	4096.4
47.5°	10668.7	10761.6	10703.3	10695.4	10628.2	10523.3	10460.1	10357.2	10267.3	10248.5	9941.0
42.5°	12241.8	12200.3	12161.7	12247.7	12198.3	12239.8	12234.9	12130.1	12056.9	11906.6	11756.3
37.5°	17742.3	17772.9	17811.5	17819.4	17843.1	17743.3	17674.0	17600.9	17460.5	17221.2	16878.1
33°	23688.7	23743.0	23677.8	23673.8	23726.2	23702.5	23600.7	23505.7	23297.1	23016.3	22697.9
29°	24963.2	24960.2	24977.0	24937.5	24877.1	24818.8	24755.5	24713.0	24622.0	24447.0	24082.2
25.5°	24114.8	24128.7	24157.3	24134.6	24058.5	24015.9	23961.6	23887.4	23729.2	23541.3	23230.9
22.5°	22694.0	22802.7	22760.2	22731.5	22666.3	22562.5	22583.2	22513.0	22390.4	22198.6	21872.3
19.5°	21375.0	21429.3	21418.5	21339.4	21298.8	21213.8	21174.2	21122.8	21019.0	20900.4	20677.9
17°	20530.6	20631.4	20609.7	20561.2	20497.9	20441.6	20370.4	20326.9	20241.8	20111.3	19841.4
15°	20029.3	20074.7	20021.4	20011.5	20020.4	19908.6	19863.2	19752.4	19725.7	19616.0	19377.7
13°	19606.1	19628.8	19664.4	19608.1	19598.2	19558.6	19463.7	19417.2	19324.3	19279.8	19107.7
11°	19273.9	19429.1	19282.8	19323.3	19277.8	19271.9	19218.5	19192.8	19123.6	19055.3	18949.5
9°	19100.8	19127.5	19081.0	19079.1	19058.3	19020.7	19007.9	19005.9	18992.1	18954.5	18889.2
7°	18889.2	18912.0	18890.2	18868.5	18852.6	18836.8	18881.3	18896.1	18960.4	18907.0	18844.7
5°	18744.9	18723.1	18715.2	18711.3	18750.8	18750.8	18837.8	18887.2	18947.6	18964.4	18883.3
3°	18621.3	18648.0	18624.2	18652.9	18731.0	18772.6	18889.2	18961.4	19001.0	19001.9	18969.3
1°	18813.1	18878.4	18891.2	18911.0	18939.7	18965.4	19052.4	19116.6	19074.1	19076.1	18943.6
0°	18993.0	19018.8	19052.4	19029.6	19067.2	19089.9	19152.2	19165.1	19148.3	19073.1	18895.2
-1°	19181.9	19176.0	19157.2	19153.2	19162.1	19135.4	19170.0	19127.5	19077.1	19009.9	18842.8
-3°	19317.4	19366.8	19340.1	19309.4	19212.6	19212.6	19174.0	19015.8	18947.6	18877.4	18642.0
-5°	19203.7	19266.9	19270.9	19173.0	19022.7	18983.2	18860.6	18765.6	18647.0	18532.3	18295.0
-7°	18950.5	18916.9	18887.2	18760.7	18661.8	18568.9	18405.7	18240.6	18210.0	18101.2	17892.6
-9°	18252.5	18276.2	18206.0	18172.4	18063.6	17943.0	17895.5	17777.9	17715.6	17618.7	17426.9
-11°	17559.3	17464.4	17471.3	17495.1	17418.0	17418.9	17367.5	17296.3	17287.4	17195.5	17033.3
-13°	17012.6	17005.6	16959.2	16998.7	16983.9	16985.9	16937.4	16928.5	16911.7	16848.4	16629.9
-15°	16651.7	16710.0	16715.9	16682.3	16690.2	16671.4	16653.6	16611.1	16598.3	16498.4	16270.0
-17°	16126.6	16146.4	16151.4	16148.4	16123.7	16143.4	16165.2	16148.4	16086.1	16010.0	15826.1
-19.5°	15155.7	15076.6	15104.3	15131.9	15139.9	15138.9	15170.5	15223.9	15174.5	15074.6	14922.3
-22.5°	14809.6	14792.8	14741.4	14758.2	14750.3	14725.6	14725.6	14729.5	14700.8	14596.0	14388.4
-25.5°	14290.5	14314.2	14306.3	14295.5	14293.5	14249.0	14251.0	14257.9	14201.5	14085.8	13899.0
-29°	13718.0	13733.8	13727.9	13701.2	13664.6	13584.5	13550.9	13475.8	13375.9	13311.6	13160.4
-33°	13066.4	13026.9	13028.9	13024.9	12976.5	12930.0	12873.6	12779.7	12676.9	12596.8	12436.6
-37.5°	12452.4	12475.2	12454.4	12461.3	12433.6	12387.2	12336.7	12265.5	12164.7	12049.0	11889.8
-42.5°	11279.7	11262.9	11237.2	11180.9	11158.1	11050.4	10984.1	10986.1	10963.3	10875.3	10724.1
-47.5°	7002.4	7188.3	7230.8	7194.2	7158.6	7143.8	7068.6	7062.7	7068.6	7021.2	6904.5
-55°	1446.6	1441.6	1483.1	1512.8	1574.1	1597.8	1609.7	1566.2	1614.6	1714.5	1763.0
-65°	1114.3	1110.4	1094.6	1093.6	1078.7	1072.8	1071.8	1061.9	1068.8	1098.5	1132.1
-75°	87.0	87.0	88.0	78.1	72.2	81.1	105.8	113.7	125.6	120.6	134.5
-85°	3.0	8.9	17.8	41.5	53.4	61.3	67.2	70.2	70.2	69.2	68.2
-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: P507828

CATALOG NUMBER: UFLD-L-CA4-320-740-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°	62.3	58.3	55.4	51.4	44.5	37.6	32.6	27.7	31.6	27.7	33.6
75°	80.1	81.1	101.8	127.5	114.7	77.1	53.4	44.5	58.3	33.6	36.6
65°	610.1	393.5	244.2	183.9	149.3	126.6	155.2	117.7	108.8	54.4	38.6
55°	3844.3	3588.2	3400.3	3161.1	3082.9	2862.5	2315.7	942.3	173.0	88.0	41.5
47.5°	9607.8	9177.6	8692.2	8148.4	7679.7	7031.1	5760.5	2520.3	207.6	113.7	44.5
42.5°	11494.3	11004.9	10711.2	10314.7	9875.7	9730.4	8762.4	4340.6	213.6	129.5	45.5
37.5°	16584.4	16036.7	15282.2	14699.9	14239.1	14172.9	12358.5	6127.3	340.1	149.3	47.5
33°	22086.9	21284.0	20243.8	19345.0	18561.9	17858.9	15142.8	7566.0	792.0	172.0	48.4
29°	23427.6	22539.7	21737.8	20804.5	20084.6	19086.0	16635.8	8734.7	1164.8	196.8	49.4
25.5°	22596.1	21930.6	21150.5	20416.9	19878.0	19180.9	17280.5	9388.3	1466.3	219.5	50.4
22.5°	21369.0	20784.7	20136.1	19669.4	19376.7	18837.8	17231.1	9750.1	1706.6	239.3	51.4
19.5°	20291.3	19883.9	19359.9	19071.2	18944.6	18297.0	16733.7	10113.0	1923.1	260.0	52.4
17°	19545.8	19194.8	18848.7	18712.2	18585.7	17749.2	16280.9	10367.1	2100.1	270.9	53.4
15°	19109.7	18855.6	18607.4	18509.5	18271.3	17267.7	15979.3	10536.2	2223.7	279.8	54.4
13°	18901.1	18734.0	18512.5	18326.6	17920.2	16832.6	15756.8	10734.9	2324.6	287.7	54.4
11°	18786.4	18631.2	18334.5	18059.7	17488.2	16448.0	15625.3	10906.0	2407.6	291.7	55.4
9°	18721.1	18534.3	18172.4	17687.9	17135.2	16113.8	15547.2	11029.6	2476.8	293.7	56.4
7°	18741.9	18435.4	17963.7	17407.1	16813.8	15908.1	15479.0	11119.6	2524.3	292.7	57.3
5°	18735.0	18335.5	17792.7	17222.2	16565.6	15716.3	15426.6	11190.8	2546.1	289.7	58.3
3°	18698.4	18286.1	17639.4	16952.3	16344.2	15563.0	15402.9	11236.2	2565.8	286.7	58.3
1°	18640.1	18166.4	17442.7	16800.0	16188.9	15418.7	15377.2	11255.0	2560.9	283.8	58.3
0°	18581.7	18109.1	17378.4	16720.9	16117.7	15340.6	15339.6	11302.5	2552.0	281.8	58.3
-1°	18486.8	17985.5	17265.7	16603.2	16024.8	15354.4	15341.6	11260.0	2542.1	278.8	59.3
-3°	18226.8	17758.1	17079.8	16427.2	15854.7	15253.6	15307.9	11218.4	2524.3	275.9	60.3
-5°	17932.1	17478.3	16870.2	16222.5	15658.0	15102.3	15230.8	11101.8	2482.8	273.9	60.3
-7°	17557.4	17216.2	16566.6	15937.8	15402.9	14886.7	15085.5	10989.1	2437.3	271.9	61.3
-9°	17173.7	16816.8	16238.4	15612.5	15121.1	14707.8	14886.7	10814.0	2377.0	269.9	61.3
-11°	16782.2	16414.4	15836.9	15255.5	14786.9	14427.0	14677.1	10618.3	2309.7	269.9	62.3
-13°	16313.5	15977.3	15453.3	14930.2	14480.4	14214.4	14451.7	10371.1	2227.7	270.9	62.3
-15°	15952.6	15593.7	15091.4	14602.0	14193.6	13995.9	14188.7	10055.7	2149.6	272.9	63.3
-17°	15522.5	15212.0	14753.3	14296.4	13927.6	13785.3	13925.7	9736.3	2048.7	273.9	63.3
-19.5°	14683.1	14400.3	14109.6	13809.0	13566.7	13521.3	13589.5	9317.1	1912.3	275.9	63.3
-22.5°	14118.5	13831.7	13515.3	13282.0	13115.9	13272.1	13186.1	8735.7	1718.5	278.8	63.3
-25.5°	13655.7	13391.7	13075.3	12850.9	12756.0	13098.1	12815.3	8106.8	1501.9	278.8	63.3
-29°	12941.8	12711.5	12427.7	12215.1	12163.7	12696.6	12096.5	7380.1	1246.8	274.9	63.3
-33°	12159.7	11900.7	11613.9	11387.5	11291.6	12009.5	10910.9	6509.0	928.4	264.0	63.3
-37.5°	11661.4	11371.7	11051.3	10695.4	10478.9	10576.7	9326.0	5259.2	539.9	245.2	62.3
-42.5°	10456.1	10278.1	9883.6	9499.0	8931.4	8252.2	6953.9	3772.1	412.3	222.5	62.3
-47.5°	6913.4	6782.9	6656.3	6414.1	5873.2	5167.2	4342.6	2089.2	392.5	194.8	61.3
-55°	1910.3	1937.0	2051.7	1911.3	1671.0	1464.4	1420.8	637.7	360.9	149.3	58.3
-65°	1199.4	1216.2	991.7	702.0	474.6	362.9	367.8	244.2	240.3	87.0	54.4
-75°	146.3	147.3	123.6	117.7	118.7	135.5	141.4	117.7	94.9	49.4	50.4
-85°	66.2	65.3	63.3	61.3	60.3	57.3	53.4	48.4	44.5	45.5	45.5
-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: P507828

CATALOG NUMBER: UFLD-L-CA4-320-740-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)