

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: P507773

Luminaire Tested: **UFLD-CA2-130-730-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507773
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-CA2-130-730-U-66
Description: UTILITY FLOOD, 6x6 OPTIC
Light Source: (2) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

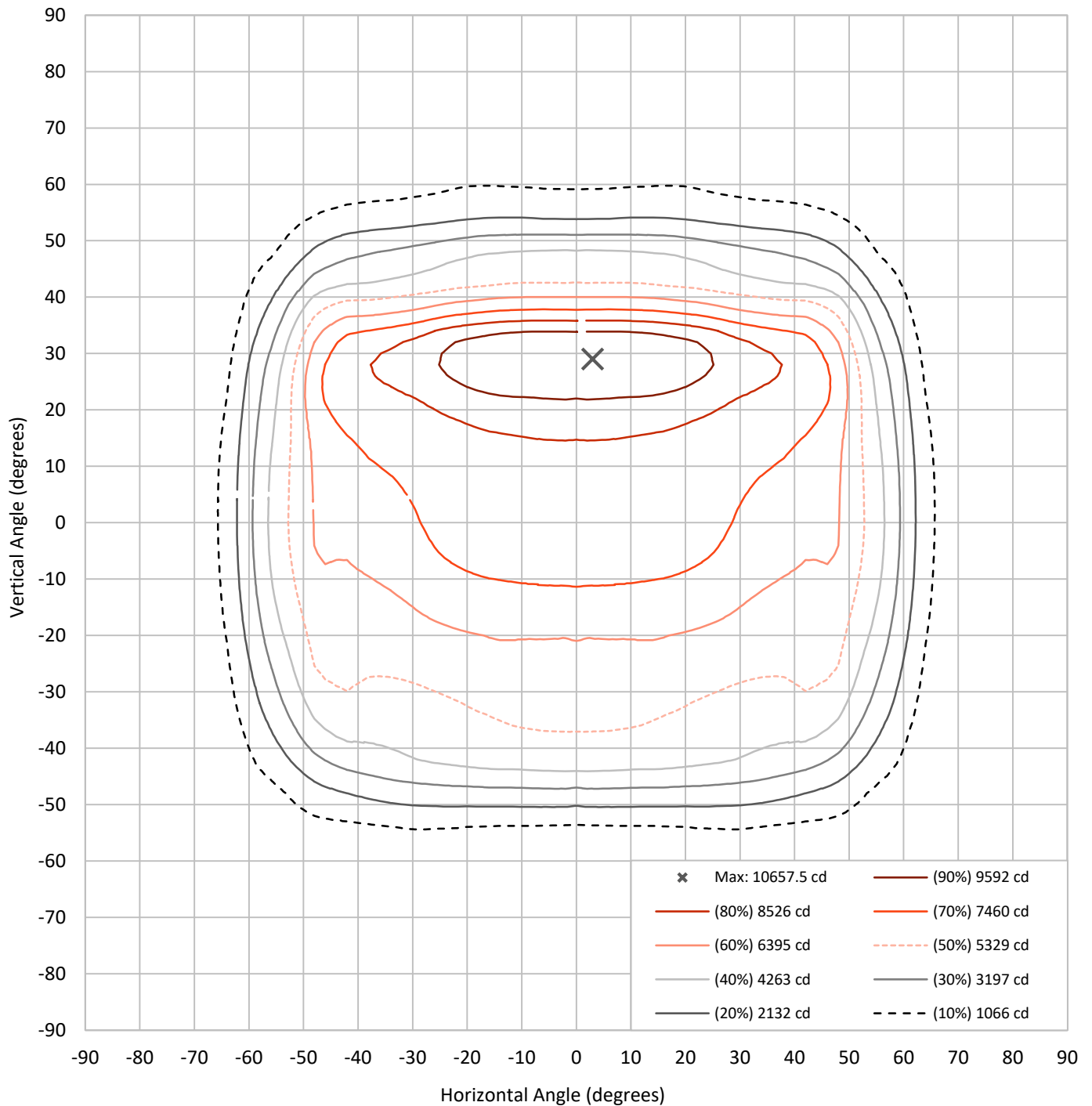
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	19970 lumens	Max Intensity:	10657.5 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	150.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.25' x L: 0.67' x H: 0')		
Beam Angle (50%):	102.9°H x 79.4°V	Field Angle (10%):	126.5°H x 112.9°V
Beam Lumens:	14837.7 lumens	Field Lumens:	19298.7 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%
Input Watts (W):	132.7		
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: P507773

CATALOG NUMBER: UFLD-CA2-130-730-U-66

Iso-Candela Plot

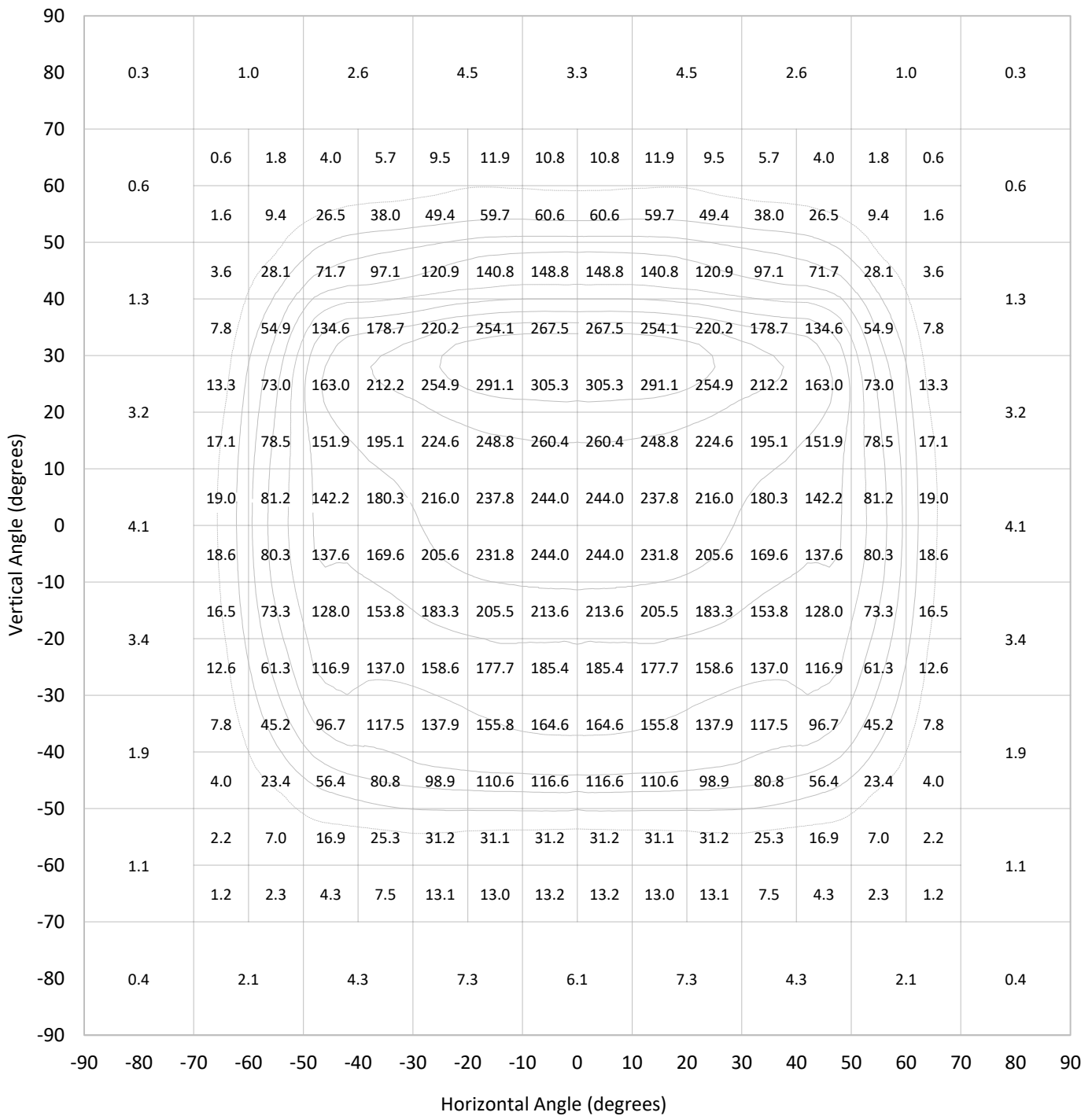




REPORT NUMBER: P507773

CATALOG NUMBER: UFLD-CA2-130-730-U-66

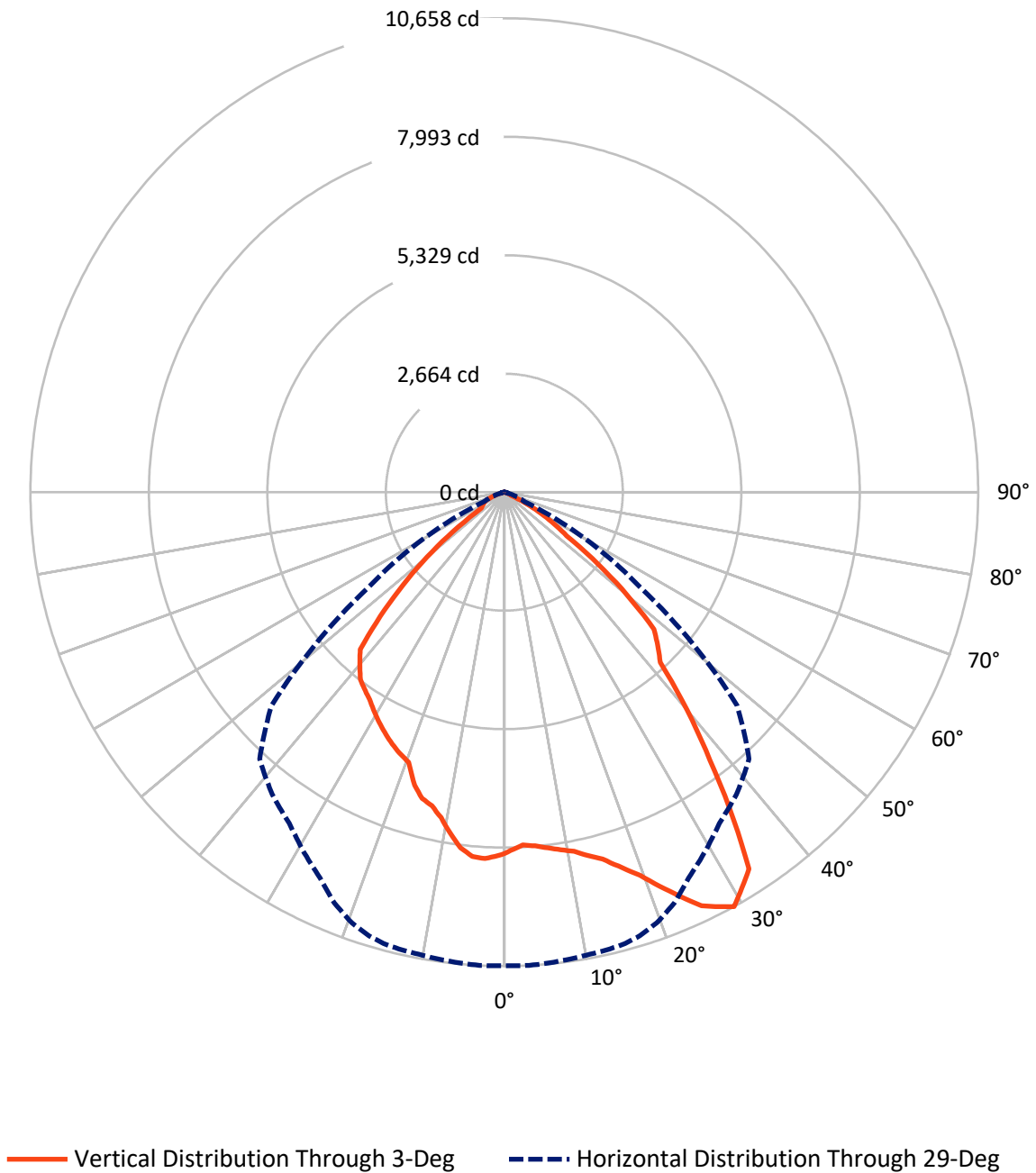
Lumen Table



REPORT NUMBER: P507773

CATALOG NUMBER: UFLD-CA2-130-730-U-66

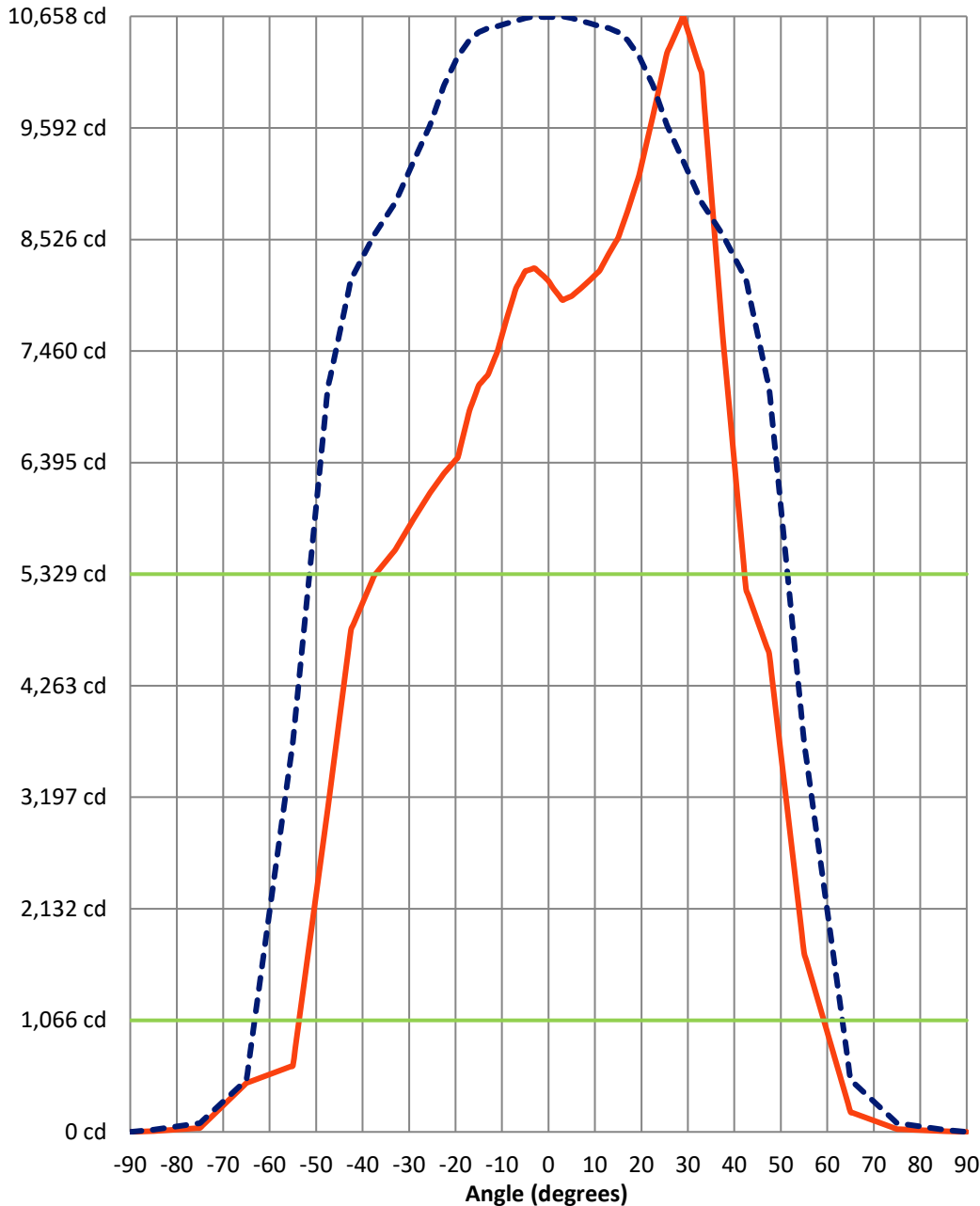
Luminous Intensity Polar Plot



REPORT NUMBER: P507773

CATALOG NUMBER: UFLD-CA2-130-730-U-66

Luminous Intensity Plot



Beam:
 H Angle: 102.9°
 V Angle: 79.4°
 Lumens: 14837.7
 Efficiency: 74.3%

Field:
 H Angle: 126.5°
 V Angle: 112.9°
 Lumens: 19298.7
 Efficiency: 96.6%

Spill:
 Lumens: 671.3
 Efficiency: 3.4%

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



REPORT NUMBER: P507773

CATALOG NUMBER: UFLD-CA2-130-730-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°	0.4	3.4	7.2	16.9	21.9	25.7	28.3	29.5	30.0	30.0	28.7
75°	24.9	25.3	27.0	24.5	19.4	21.1	30.8	35.0	38.8	40.1	38.0
65°	192.4	191.1	189.9	188.6	183.1	175.1	172.1	189.0	232.0	276.8	298.7
55°	1679.1	1673.2	1712.9	1685.0	1739.9	1792.6	1811.6	1817.1	1823.4	1791.4	1747.9
47.5°	4552.2	4591.9	4567.0	4563.6	4534.9	4490.2	4463.2	4419.3	4380.9	4372.9	4241.7
42.5°	5223.5	5205.8	5189.3	5226.0	5204.9	5222.6	5220.5	5175.8	5144.6	5080.4	5016.3
37.5°	7570.5	7583.5	7600.0	7603.4	7613.5	7570.9	7541.4	7510.1	7450.2	7348.1	7201.7
33°	10107.7	10130.9	10103.1	10101.4	10123.8	10113.6	10070.2	10029.7	9940.7	9820.9	9685.0
29°	10651.6	10650.3	10657.5	10640.6	10614.9	10590.0	10563.0	10544.8	10506.0	10431.3	10275.7
25.5°	10289.6	10295.5	10307.7	10298.0	10265.5	10247.4	10224.2	10192.5	10125.0	10044.9	9912.4
22.5°	9683.3	9729.7	9711.6	9699.3	9671.5	9627.2	9636.1	9606.1	9553.8	9471.9	9332.7
19.5°	9120.5	9143.7	9139.1	9105.3	9088.0	9051.7	9034.9	9012.9	8968.6	8918.0	8823.1
17°	8760.2	8803.2	8794.0	8773.3	8746.3	8722.2	8691.9	8673.3	8637.0	8581.3	8466.2
15°	8546.3	8565.7	8542.9	8538.7	8542.5	8494.8	8475.4	8428.2	8416.8	8370.0	8268.3
13°	8365.7	8375.4	8390.6	8366.6	8362.4	8345.5	8305.0	8285.2	8245.5	8226.5	8153.1
11°	8224.0	8290.2	8227.8	8245.1	8225.7	8223.1	8200.4	8189.4	8159.9	8130.7	8085.6
9°	8150.2	8161.5	8141.7	8140.9	8132.0	8116.0	8110.5	8109.6	8103.7	8087.7	8059.9
7°	8059.9	8069.6	8060.3	8051.0	8044.3	8037.5	8056.5	8062.8	8090.2	8067.5	8040.9
5°	7998.3	7989.0	7985.6	7983.9	8000.8	8000.8	8037.9	8059.0	8084.8	8091.9	8057.3
3°	7945.5	7956.9	7946.8	7959.0	7992.4	8010.1	8059.9	8090.7	8107.5	8108.0	8094.0
1°	8027.4	8055.2	8060.7	8069.1	8081.4	8092.4	8129.5	8156.9	8138.8	8139.6	8083.1
0°	8104.2	8115.1	8129.5	8119.8	8135.8	8145.5	8172.1	8177.6	8170.4	8138.3	8062.4
-1°	8184.7	8182.2	8174.2	8172.5	8176.3	8164.9	8179.7	8161.5	8140.0	8111.3	8040.0
-3°	8242.5	8263.6	8252.2	8239.2	8197.8	8197.8	8181.4	8113.9	8084.8	8054.8	7954.4
-5°	8194.0	8221.0	8222.7	8180.9	8116.8	8099.9	8047.6	8007.1	7956.5	7907.6	7806.3
-7°	8086.0	8071.7	8059.0	8005.0	7962.8	7923.2	7853.6	7783.1	7770.0	7723.6	7634.6
-9°	7788.2	7798.3	7768.3	7754.0	7707.6	7656.1	7635.9	7585.7	7559.1	7517.7	7435.9
-11°	7492.4	7451.9	7454.9	7465.0	7432.1	7432.5	7410.6	7380.2	7376.4	7337.2	7268.0
-13°	7259.1	7256.2	7236.3	7253.2	7246.9	7247.7	7227.0	7223.3	7216.1	7189.1	7095.8
-15°	7105.1	7130.0	7132.5	7118.2	7121.6	7113.6	7106.0	7087.8	7082.3	7039.7	6942.3
-17°	6881.1	6889.5	6891.6	6890.4	6879.8	6888.3	6897.5	6890.4	6863.8	6831.3	6752.8
-19.5°	6466.8	6433.0	6444.9	6456.7	6460.0	6459.6	6473.1	6495.9	6474.8	6432.2	6367.2
-22.5°	6319.1	6312.0	6290.0	6297.2	6293.8	6283.3	6283.3	6285.0	6272.7	6228.0	6139.4
-25.5°	6097.6	6107.8	6104.4	6099.7	6098.9	6079.9	6080.8	6083.7	6059.7	6010.3	5930.6
-29°	5853.4	5860.1	5857.6	5846.2	5830.6	5796.4	5782.1	5750.0	5707.4	5680.0	5615.4
-33°	5575.3	5558.5	5559.3	5557.6	5536.9	5517.1	5493.1	5453.0	5409.1	5374.9	5306.6
-37.5°	5313.3	5323.0	5314.2	5317.1	5305.3	5285.5	5264.0	5233.6	5190.6	5141.2	5073.3
-42.5°	4813.0	4805.8	4794.8	4770.8	4761.1	4715.1	4686.8	4687.7	4678.0	4640.4	4575.9
-47.5°	2987.9	3067.2	3085.3	3069.7	3054.5	3048.2	3016.1	3013.6	3016.1	2995.9	2946.1
-55°	617.2	615.1	632.8	645.5	671.7	681.8	686.8	668.3	689.0	731.6	752.2
-65°	475.5	473.8	467.0	466.6	460.3	457.8	457.3	453.1	456.1	468.7	483.1
-75°	37.1	37.1	37.5	33.3	30.8	34.6	45.1	48.5	53.6	51.5	57.4
-85°	1.3	3.8	7.6	17.7	22.8	26.2	28.7	30.0	30.0	29.5	29.1
-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: P507773

CATALOG NUMBER: UFLD-CA2-130-730-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°	26.6	24.9	23.6	21.9	19.0	16.0	13.9	11.8	13.5	11.8	14.3
75°	34.2	34.6	43.5	54.4	48.9	32.9	22.8	19.0	24.9	14.3	15.6
65°	260.3	167.9	104.2	78.5	63.7	54.0	66.2	50.2	46.4	23.2	16.5
55°	1640.3	1531.1	1450.9	1348.8	1315.5	1221.4	988.1	402.1	73.8	37.5	17.7
47.5°	4099.5	3916.0	3708.9	3476.8	3276.9	3000.1	2458.0	1075.4	88.6	48.5	19.0
42.5°	4904.5	4695.7	4570.4	4401.2	4213.9	4151.9	3738.8	1852.1	91.1	55.3	19.4
37.5°	7076.4	6842.7	6520.8	6272.3	6075.7	6047.4	5273.3	2614.5	145.1	63.7	20.3
33°	9424.3	9081.7	8637.9	8254.4	7920.2	7620.3	6461.3	3228.3	337.9	73.4	20.7
29°	9996.4	9617.5	9275.3	8877.1	8569.9	8143.8	7098.4	3727.0	497.0	84.0	21.1
25.5°	9641.5	9357.6	9024.7	8711.7	8481.8	8184.3	7373.4	4005.9	625.7	93.7	21.5
22.5°	9118.0	8868.6	8591.9	8392.7	8267.9	8037.9	7352.3	4160.3	728.2	102.1	21.9
19.5°	8658.1	8484.3	8260.7	8137.5	8083.5	7807.2	7140.1	4315.1	820.6	111.0	22.4
17°	8340.0	8190.2	8042.6	7984.3	7930.3	7573.4	6946.9	4423.6	896.1	115.6	22.8
15°	8153.9	8045.5	7939.6	7897.9	7796.2	7368.0	6818.2	4495.7	948.8	119.4	23.2
13°	8064.9	7993.6	7899.1	7819.8	7646.4	7182.3	6723.3	4580.5	991.9	122.8	23.2
11°	8016.0	7949.8	7823.2	7705.9	7462.0	7018.2	6667.2	4653.5	1027.3	124.5	23.6
9°	7988.1	7908.4	7754.0	7547.3	7311.4	6875.6	6633.9	4706.2	1056.8	125.3	24.0
7°	7997.0	7866.2	7665.0	7427.4	7174.3	6787.9	6604.8	4744.6	1077.1	124.9	24.5
5°	7994.1	7823.6	7592.0	7348.6	7068.4	6706.0	6582.4	4775.0	1086.4	123.6	24.9
3°	7978.4	7802.5	7526.6	7233.4	6973.9	6640.6	6572.3	4794.4	1094.8	122.3	24.9
1°	7953.5	7751.5	7442.6	7168.4	6907.7	6579.0	6561.3	4802.4	1092.7	121.1	24.9
0°	7928.7	7727.0	7415.2	7134.7	6877.3	6545.7	6545.3	4822.7	1088.9	120.2	24.9
-1°	7888.2	7674.3	7367.1	7084.4	6837.6	6551.6	6546.1	4804.5	1084.7	119.0	25.3
-3°	7777.2	7577.2	7287.8	7009.3	6765.1	6508.6	6531.8	4786.8	1077.1	117.7	25.7
-5°	7651.5	7457.8	7198.4	6922.0	6681.1	6444.0	6498.9	4737.0	1059.4	116.9	25.7
-7°	7491.6	7346.0	7068.8	6800.5	6572.3	6352.0	6436.8	4688.9	1040.0	116.0	26.2
-9°	7327.9	7175.6	6928.8	6661.7	6452.0	6275.7	6352.0	4614.3	1014.2	115.2	26.2
-11°	7160.8	7003.9	6757.5	6509.4	6309.4	6155.9	6262.6	4530.7	985.5	115.2	26.6
-13°	6960.8	6817.4	6593.8	6370.6	6178.6	6065.2	6166.4	4425.2	950.5	115.6	26.6
-15°	6806.8	6653.7	6439.4	6230.5	6056.3	5971.9	6054.2	4290.7	917.2	116.4	27.0
-17°	6623.3	6490.8	6295.1	6100.2	5942.8	5882.0	5942.0	4154.4	874.2	116.9	27.0
-19.5°	6265.1	6144.5	6020.4	5892.2	5788.8	5769.4	5798.5	3975.5	815.9	117.7	27.0
-22.5°	6024.2	5901.9	5766.9	5667.3	5596.4	5663.1	5626.4	3727.4	733.3	119.0	27.0
-25.5°	5826.8	5714.1	5579.1	5483.4	5442.9	5588.8	5468.2	3459.1	640.9	119.0	27.0
-29°	5522.2	5423.9	5302.8	5212.1	5190.1	5417.5	5161.5	3149.0	532.0	117.3	27.0
-33°	5188.5	5077.9	4955.6	4859.0	4818.0	5124.3	4655.6	2777.3	396.2	112.6	27.0
-37.5°	4975.8	4852.2	4715.5	4563.6	4471.2	4513.0	3979.3	2244.1	230.4	104.6	26.6
-42.5°	4461.5	4385.6	4217.3	4053.1	3811.0	3521.1	2967.2	1609.5	175.9	94.9	26.6
-47.5°	2949.9	2894.2	2840.2	2736.8	2506.1	2204.8	1853.0	891.5	167.5	83.1	26.2
-55°	815.1	826.5	875.4	815.5	713.0	624.8	606.3	272.1	154.0	63.7	24.9
-65°	511.8	518.9	423.2	299.5	202.5	154.8	156.9	104.2	102.5	37.1	23.2
-75°	62.4	62.9	52.7	50.2	50.6	57.8	60.3	50.2	40.5	21.1	21.5
-85°	28.3	27.8	27.0	26.2	25.7	24.5	22.8	20.7	19.0	19.4	19.4
-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: P507773

CATALOG NUMBER: UFLD-CA2-130-730-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)