

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: P571667

Luminaire Tested: **UFLD-L-CA4-180-727-U-66-TS2HW_NFFLD**

Issue Date: 9/21/2021

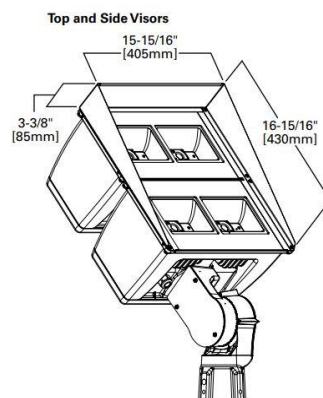
Test Information

Test Method: LM-79-08
Report Number: P571667
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-CA4-180-727-U-66-TS2HW_NFFLD
Description: FLOOD LIGHT LARGE, 6x6 OPTIC WITH TOP AND SIDE VISOR
Light Source: (4) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	22324 lumens	Max Intensity:	12844.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	125.4 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:	16207.1 lumens	Field Lumens:	21700.2 lumens
Beam Efficiency:	72.6%	Field Efficiency:	97.2%

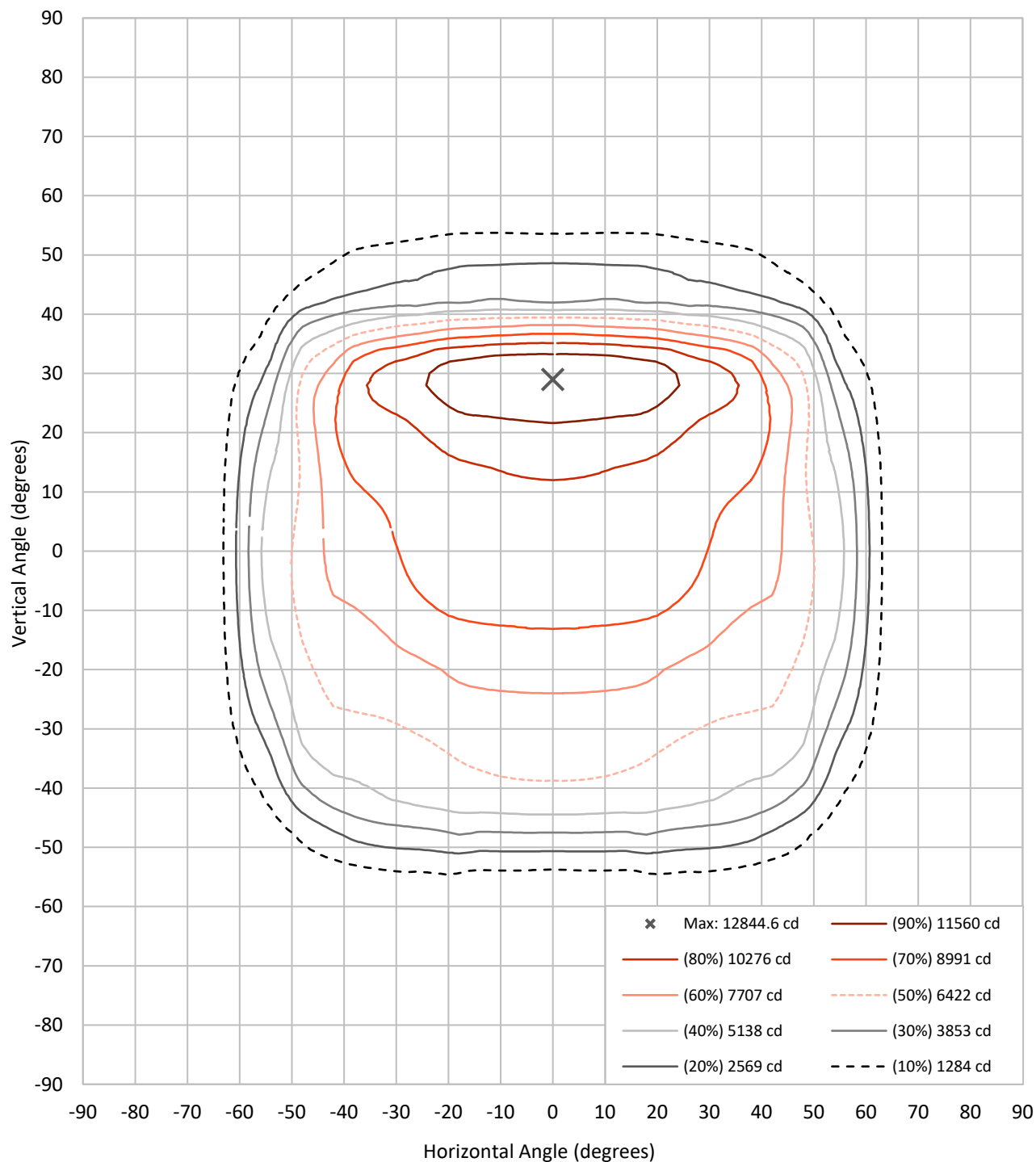
Input Watts (W): 178
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P571667

CATALOG NUMBER: UFLD-L-CA4-180-727-U-66-TS2HW_NFFLD

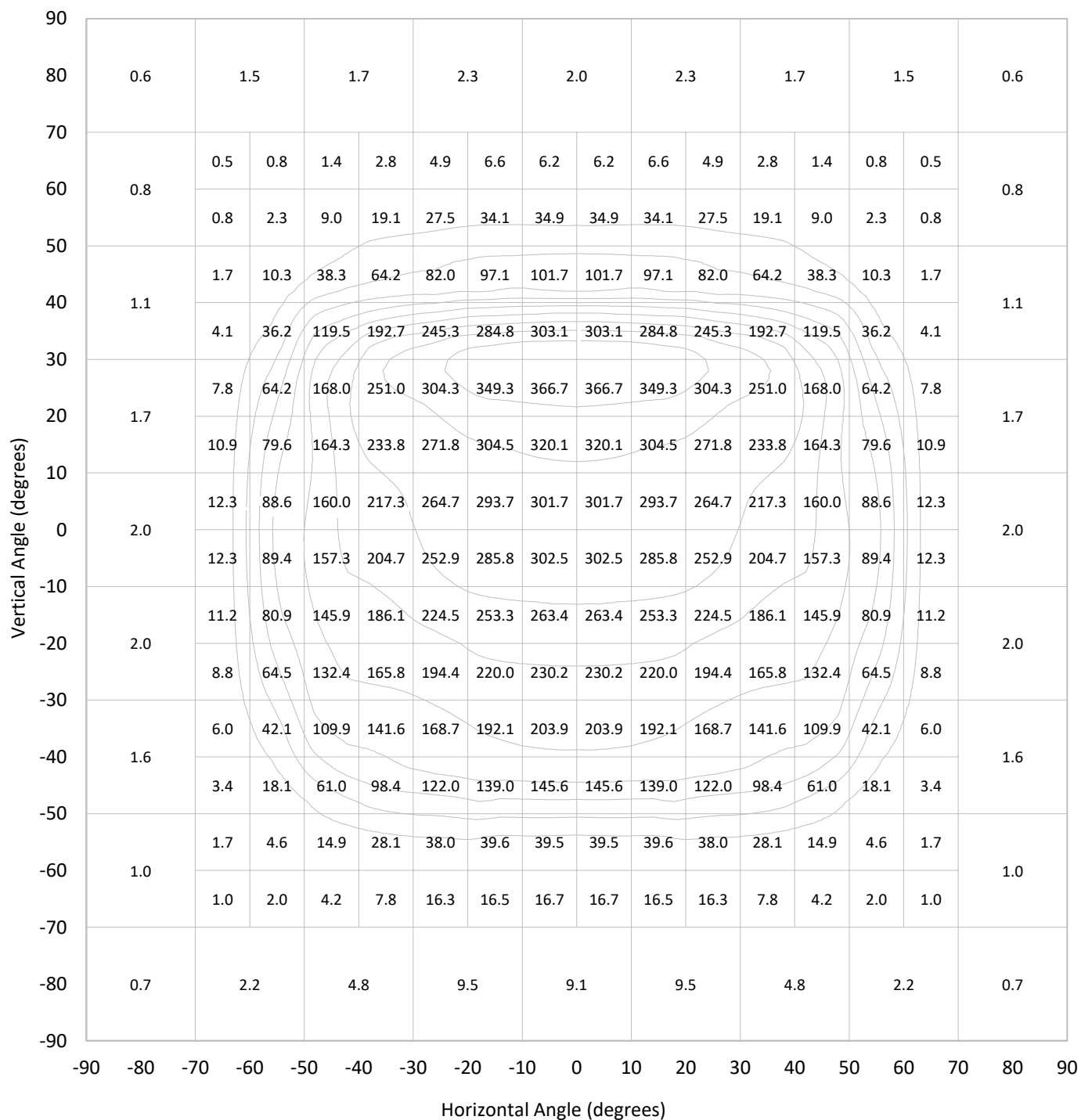
Iso-Candela Plot



REPORT NUMBER: P571667

CATALOG NUMBER: UFLD-L-CA4-180-727-U-66-TS2HW_NFFLD

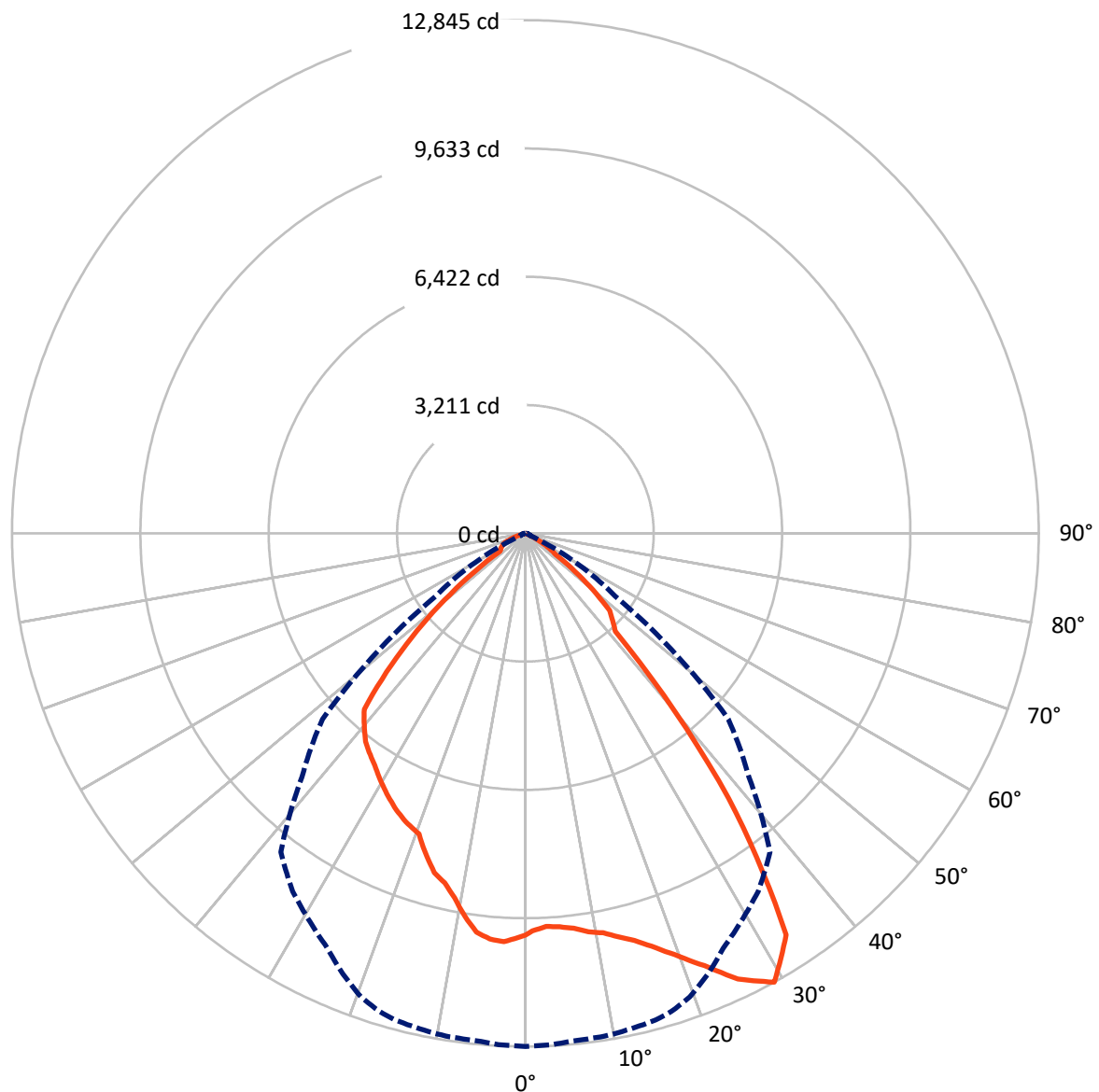
Lumen Table



REPORT NUMBER: P571667

CATALOG NUMBER: UFLD-L-CA4-180-727-U-66-TS2HW_NFFLD

Luminous Intensity Polar Plot



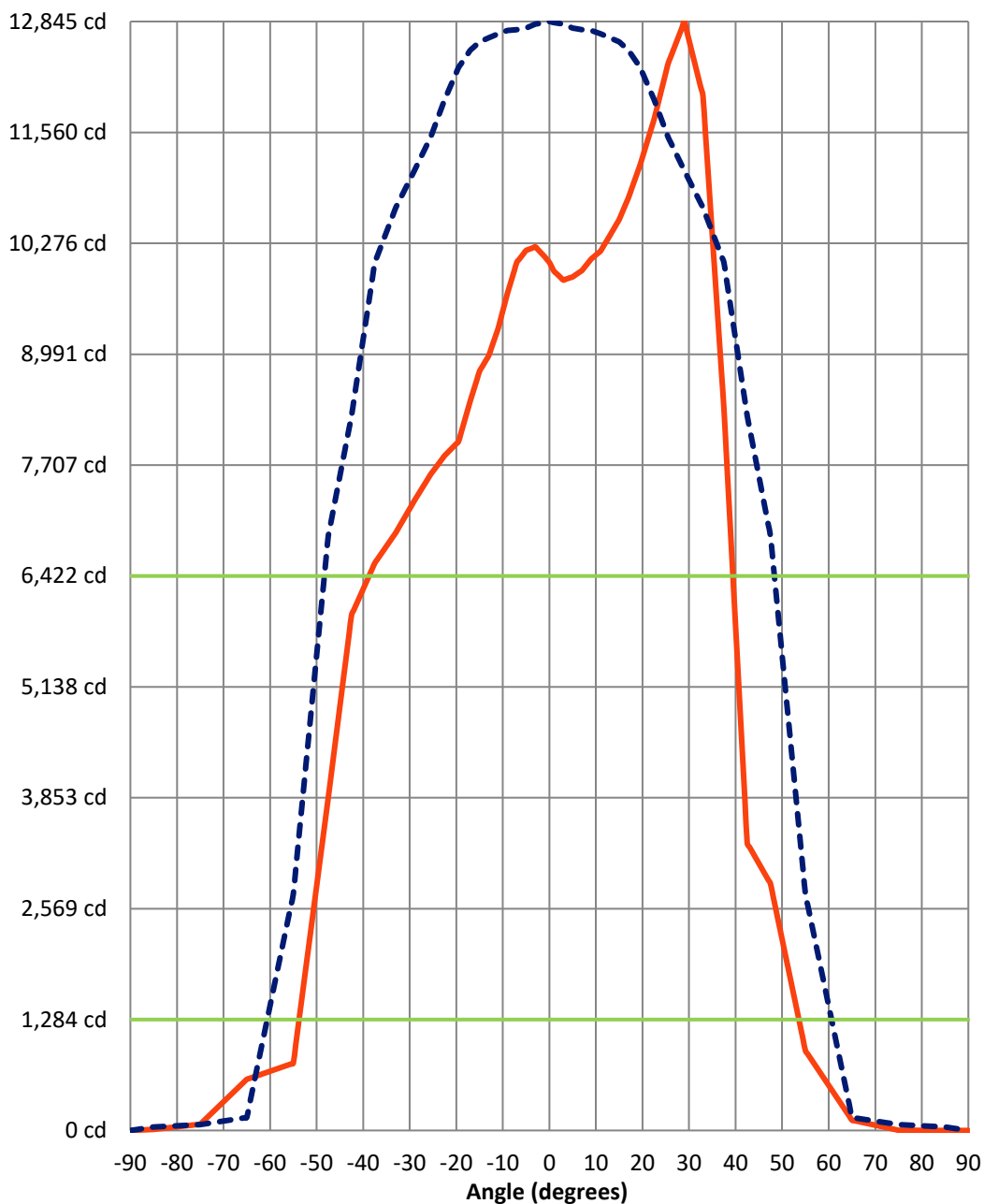
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 29-Deg

REPORT NUMBER: P571667

CATALOG NUMBER: UFLD-L-CA4-180-727-U-66-TS2HW_NFFLD

Luminous Intensity Plot



Beam:

H Angle: 96.7°

V Angle: 78.2°

Lumens: 16207.1

Efficiency: 72.6%

Field:

H Angle: 121.2°

V Angle: 107.4°

Lumens: 21700.2

Efficiency: 97.2%

Spill:

Lumens: 623.8

Efficiency: 2.8%

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

REPORT NUMBER: P571667

CATALOG NUMBER: UFLD-L-CA4-180-727-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	5.9	13.3	16.8	18.2	19.7	21.2	22.2	22.2	21.7	20.7
75°	2.5	3.4	7.9	10.3	11.8	12.8	13.8	13.3	13.8	12.8	12.8
65°	119.7	119.7	119.2	115.8	108.9	101.5	97.6	107.9	135.0	160.6	166.5
55°	925.3	914.0	912.0	951.4	951.9	981.0	982.9	990.8	967.7	983.9	953.9
47.5°	2857.1	2859.1	2841.9	2830.5	2814.8	2782.3	2759.6	2743.3	2740.9	2719.7	2631.5
42.5°	3329.2	3334.1	3379.9	3407.0	3483.9	3576.0	3648.4	3562.2	3485.8	3315.8	3369.1
37.5°	8357.1	8364.5	8355.6	8337.9	8149.2	8099.9	8062.0	7950.2	7897.4	7875.8	7784.6
33°	11977.5	12023.3	11996.7	11960.2	11985.8	11959.2	11903.1	11788.8	11583.3	11478.8	11337.9
29°	12844.6	12831.8	12815.0	12768.7	12750.0	12740.6	12702.2	12656.4	12608.6	12511.0	12312.5
25.5°	12356.3	12315.0	12316.9	12273.1	12239.6	12232.2	12195.2	12142.5	12097.2	12004.1	11796.6
22.5°	11712.4	11701.5	11679.9	11640.9	11619.8	11570.0	11527.6	11481.8	11469.5	11436.0	11275.4
19.5°	11185.2	11172.4	11172.4	11152.2	11123.1	11074.3	11012.8	10966.9	10939.3	10926.5	10810.3
17°	10805.8	10794.0	10790.1	10759.0	10733.4	10688.6	10625.5	10565.9	10521.0	10497.4	10413.1
15°	10551.6	10532.4	10529.4	10515.6	10488.5	10442.2	10380.1	10325.0	10286.0	10238.7	10154.0
13°	10365.8	10343.7	10339.7	10318.5	10291.0	10248.1	10197.8	10152.0	10120.0	10070.7	9995.3
11°	10186.5	10201.8	10189.0	10169.3	10138.2	10101.8	10064.8	10035.7	10009.6	9979.1	9926.4
9°	10094.4	10063.3	10065.3	10047.6	10026.9	10000.8	9975.1	9946.1	9943.6	9940.6	9899.3
7°	9960.9	9951.0	9965.8	9955.9	9926.9	9930.3	9909.1	9914.5	9929.8	9945.6	9950.5
5°	9886.5	9880.5	9886.0	9883.0	9872.7	9876.6	9874.1	9903.2	9949.5	10029.8	10100.8
3°	9850.0	9860.3	9858.9	9859.8	9882.5	9891.9	9916.0	9957.9	10015.5	10083.5	10092.4
1°	9952.5	9964.3	9970.2	9991.9	10030.3	10032.3	10031.8	10056.4	10067.3	10227.4	10217.5
0°	10054.0	10060.4	10062.8	10065.3	10080.1	10087.5	10065.8	10059.4	10042.1	10158.9	10100.8
-1°	10120.0	10134.8	10124.9	10140.2	10154.5	10118.5	10088.5	10052.5	10029.3	10089.9	9972.7
-3°	10234.8	10224.0	10199.3	10196.9	10199.8	10142.7	10065.3	10025.4	9956.9	9922.4	9875.1
-5°	10192.9	10189.0	10159.9	10143.1	10109.6	10017.5	9941.6	9878.1	9805.2	9697.3	9626.8
-7°	10054.5	10005.2	9992.4	9965.3	9865.3	9785.0	9694.3	9621.4	9520.4	9458.8	9408.5
-9°	9697.3	9674.1	9680.0	9644.5	9525.3	9458.3	9396.2	9335.1	9274.0	9228.7	9195.2
-11°	9289.8	9247.9	9279.9	9249.4	9190.3	9161.7	9141.5	9107.5	9084.8	9055.3	9017.8
-13°	8977.4	8957.7	8984.3	8969.5	8938.0	8939.5	8934.1	8918.8	8905.0	8868.0	8802.0
-15°	8793.7	8770.0	8779.9	8784.8	8772.0	8767.5	8763.1	8746.8	8723.2	8677.4	8595.6
-17°	8448.3	8409.8	8423.6	8424.6	8422.2	8408.9	8429.5	8419.2	8414.8	8383.2	8308.3
-19.5°	7981.2	7965.4	7964.0	7966.4	7973.3	7975.8	7986.6	7986.1	7981.2	7942.8	7865.9
-22.5°	7815.6	7813.2	7804.3	7810.7	7806.8	7801.9	7798.9	7785.1	7753.1	7718.1	7626.9
-25.5°	7599.4	7594.9	7608.2	7594.9	7574.7	7563.9	7537.3	7508.7	7478.2	7454.5	7360.4
-29°	7294.4	7291.9	7281.1	7272.2	7241.7	7209.6	7166.3	7137.2	7076.6	7038.2	6925.8
-33°	6922.9	6911.1	6893.8	6881.0	6862.8	6833.2	6805.1	6752.9	6694.3	6637.1	6530.2
-37.5°	6572.1	6586.4	6573.1	6570.1	6547.0	6512.5	6471.6	6422.8	6368.1	6307.0	6209.5
-42.5°	5968.5	5970.0	5966.6	5942.4	5897.1	5858.7	5812.3	5784.3	5768.0	5733.0	5640.4
-47.5°	3852.4	3860.8	3861.8	3872.1	3851.4	3835.2	3821.8	3805.1	3799.2	4090.4	3874.1
-55°	779.4	782.9	803.1	837.1	856.3	866.2	842.5	821.8	822.8	911.5	1032.7
-65°	592.2	589.3	587.3	582.9	579.4	573.5	578.9	585.3	581.4	592.2	605.0
-75°	72.4	72.9	73.4	72.9	66.5	72.9	81.3	78.3	82.3	85.2	84.7
-85°	12.3	11.8	16.3	20.2	22.2	26.1	29.6	32.0	33.0	33.5	33.5
-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: P571667

CATALOG NUMBER: UFLD-L-CA4-180-727-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°	19.2	18.2	17.2	16.8	17.2	18.7	21.2	25.1	32.0	35.0	37.4
75°	12.3	12.3	13.3	17.2	17.7	20.2	22.7	26.1	32.5	35.5	37.9
65°	132.5	79.3	57.6	48.8	39.4	34.0	34.0	37.0	38.9	37.9	38.4
55°	889.8	801.1	723.3	668.1	523.7	353.3	240.4	82.3	58.1	40.9	38.9
47.5°	2531.5	2379.2	2242.8	2099.4	1967.3	1415.0	923.3	174.9	84.7	44.3	39.4
42.5°	3389.3	2929.1	3098.1	2938.4	2718.2	2464.5	1897.9	632.1	96.6	49.8	39.4
37.5°	7423.5	7131.3	6871.1	6400.1	5817.8	4939.8	4198.3	1241.6	105.9	55.7	39.9
33°	11141.4	10592.0	10128.9	9813.5	8999.6	7130.8	6015.8	1888.5	126.1	62.1	40.4
29°	11939.0	11505.5	11116.7	10687.6	10052.0	8277.3	6883.0	2738.9	150.3	68.0	40.4
25.5°	11455.7	11078.3	10727.5	10419.6	10008.1	8691.7	7230.3	3374.0	174.4	74.4	40.4
22.5°	10937.9	10559.0	10224.9	9997.3	9812.5	8833.6	7131.3	3822.3	198.6	79.8	40.4
19.5°	10519.1	10174.7	9891.9	9720.4	9654.9	8799.6	6896.8	4214.0	225.7	84.7	40.9
17°	10138.2	9865.8	9651.4	9573.6	9527.3	8685.8	6760.3	4528.9	248.8	87.7	40.9
15°	9941.1	9705.1	9550.4	9510.5	9366.2	8553.2	6679.0	4755.0	262.6	90.7	40.9
13°	9810.6	9619.9	9514.0	9407.6	9171.6	8415.8	6639.1	4965.9	272.5	92.6	40.9
11°	9729.8	9582.0	9458.8	9259.7	8956.2	8314.3	6637.1	5143.3	277.4	94.6	41.4
9°	9753.9	9579.5	9378.5	9098.1	8783.8	8231.5	6657.8	5281.2	276.4	96.1	41.4
7°	9789.4	9589.4	9300.6	8946.9	8630.1	8183.2	6687.4	5392.6	271.0	97.6	41.4
5°	9821.9	9595.3	9261.7	8821.7	8502.5	8132.0	6725.3	5483.7	268.5	99.0	41.4
3°	9824.4	9586.4	9209.5	8698.1	8400.0	8095.5	6767.2	5556.1	266.1	100.0	41.4
1°	9787.4	9530.2	9131.6	8586.7	8324.1	8062.5	6811.0	5596.5	264.6	99.5	41.4
0°	9758.8	9474.1	9077.0	8536.5	8273.9	8040.3	6833.2	5606.9	260.6	98.5	41.4
-1°	9703.7	9429.7	9017.8	8505.9	8238.9	8007.8	6847.5	5598.0	258.7	98.0	41.4
-3°	9587.9	9302.1	8924.7	8428.1	8148.2	7938.8	6875.1	5579.8	260.1	97.1	41.4
-5°	9434.2	9173.0	8827.6	8340.9	8044.3	7851.1	6878.5	5531.0	263.6	96.6	41.4
-7°	9267.6	9024.7	8674.9	8210.3	7908.8	7723.0	6856.4	5456.1	258.7	96.6	41.4
-9°	9061.7	8810.4	8461.6	8042.3	7762.4	7578.2	6808.1	5354.6	256.7	97.1	41.4
-11°	8845.4	8579.8	8249.2	7875.3	7604.3	7427.9	6742.1	5236.9	256.7	96.6	41.9
-13°	8623.7	8348.3	8043.8	7710.7	7465.8	7254.0	6651.9	5094.0	254.7	97.6	41.4
-15°	8400.0	8121.1	7860.5	7558.0	7337.7	7102.2	6544.0	4917.6	253.7	99.0	41.4
-17°	8108.3	7867.9	7649.6	7398.8	7188.4	6963.8	6425.3	4720.0	251.3	100.0	41.4
-19.5°	7676.2	7470.8	7309.6	7149.0	6990.4	6781.5	6278.9	4437.7	244.9	100.5	41.4
-22.5°	7424.9	7214.6	7052.0	6909.6	6784.9	6617.4	6114.9	4063.8	234.0	100.5	41.4
-25.5°	7171.2	6980.5	6809.1	6662.2	6576.0	6468.1	5979.9	3648.4	225.7	99.0	41.4
-29°	6777.5	6634.7	6475.5	6326.7	6258.7	6196.2	5781.8	3107.4	220.7	96.1	41.4
-33°	6382.4	6236.6	6068.5	5894.1	5823.7	5792.1	5301.9	2402.4	220.2	90.7	41.4
-37.5°	6068.5	5914.3	5718.2	5506.9	5331.5	5196.5	4541.2	1786.5	216.3	82.3	41.4
-42.5°	5501.5	5403.4	5157.5	4989.5	4650.6	4125.8	3212.9	1158.8	198.6	69.0	40.9
-47.5°	3677.5	3561.2	3476.5	3368.1	3064.6	2383.7	1636.2	429.1	179.8	54.2	40.9
-55°	1012.0	946.5	998.2	869.1	691.7	508.5	427.2	158.6	140.4	46.8	40.4
-65°	655.8	677.0	497.1	309.4	193.1	145.8	208.9	94.1	71.9	42.9	39.9
-75°	79.8	70.5	56.2	62.1	66.0	60.1	55.7	40.4	39.9	39.9	39.4
-85°	32.5	31.5	30.5	30.1	29.1	28.6	29.1	30.5	34.5	37.9	38.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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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)