

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: P571680

Luminaire Tested: **UFLD-L-CA4-270-730-U-66-TS2HW_NFFLD**

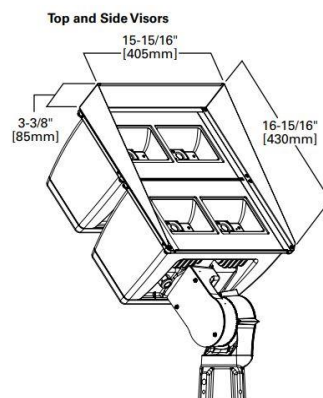
Issue Date: 9/21/2021

Test Information

Test Method: LM-79-08
Report Number: P571680
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-CA4-270-730-U-66-TS2HW_NFFLD
Description: FLOOD LIGHT LARGE, 6x6 OPTIC WITH TOP AND SIDE VISOR
Light Source: (4) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

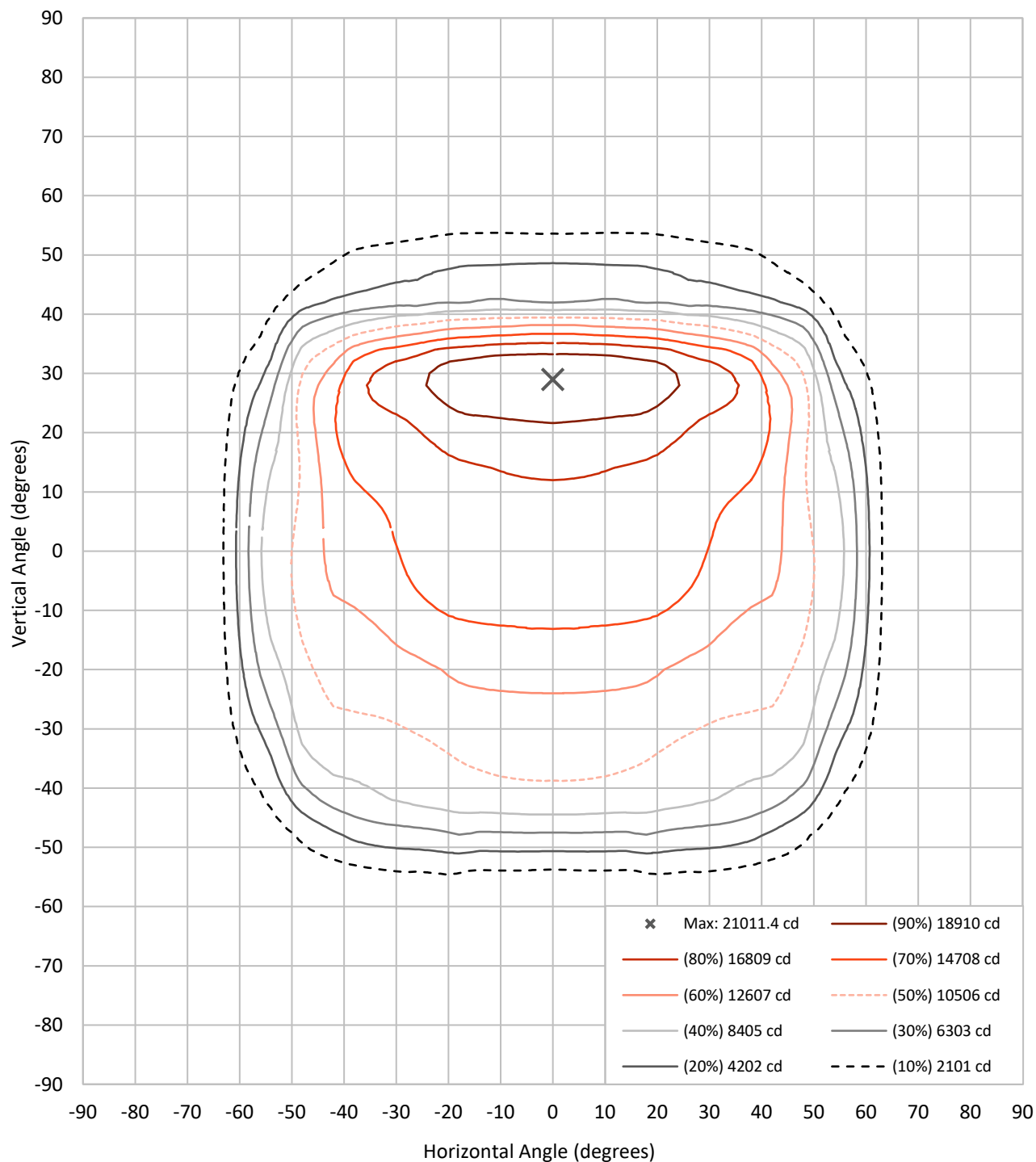
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	36518 lumens	Max Intensity:	21011.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	137.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.33' x L: 1.42' x H: 0')		
Beam Angle (50%):	96.7°H x 78.2°V	Field Angle (10%):	121.2°H x 107.4°V
Beam Lumens:	26511.9 lumens	Field Lumens:	35497.5 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: P571680

CATALOG NUMBER: UFLD-L-CA4-270-730-U-66-TS2HW_NFFLD

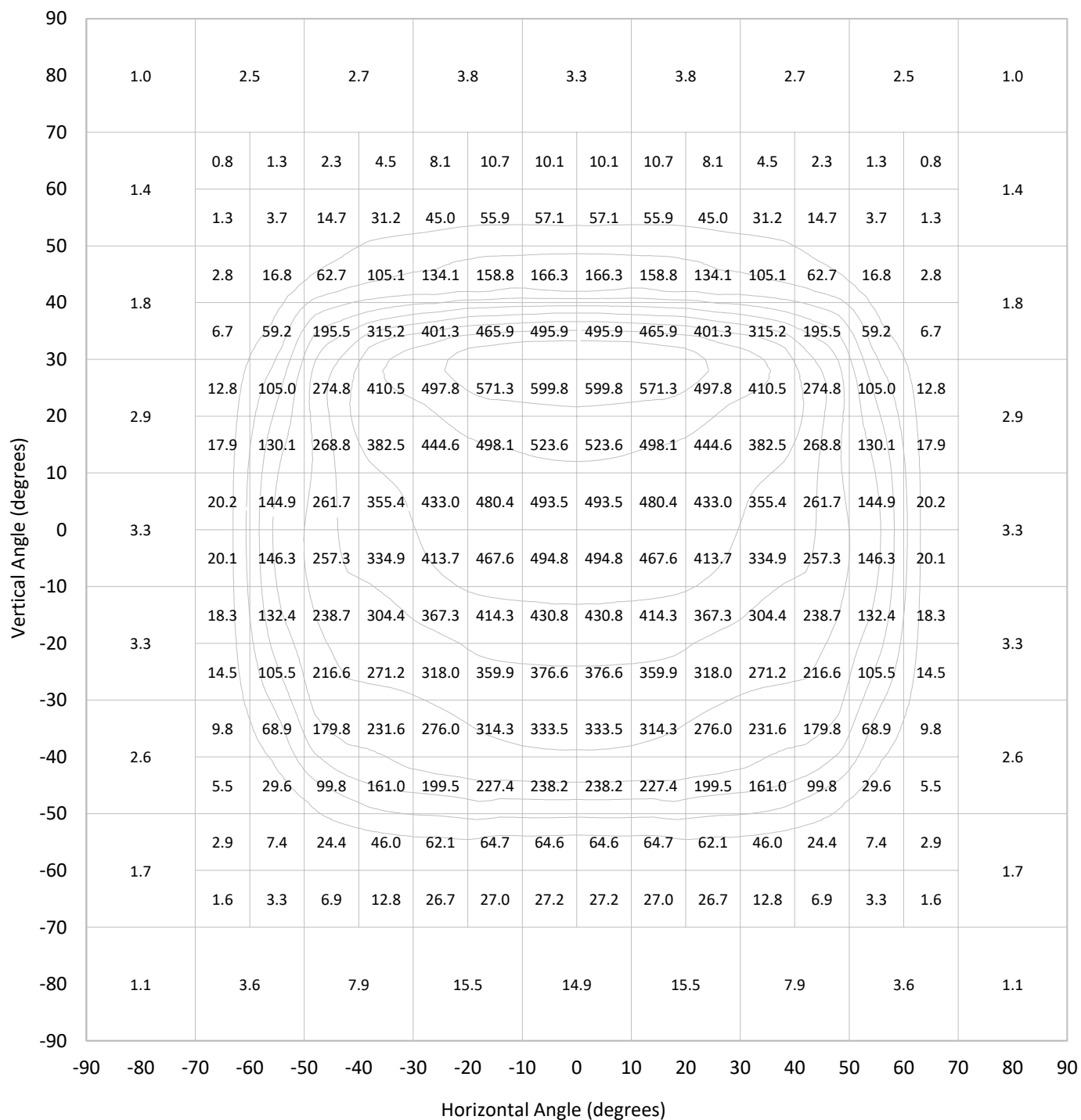
Iso-Candela Plot



REPORT NUMBER: P571680

CATALOG NUMBER: UFLD-L-CA4-270-730-U-66-TS2HW_NFFLD

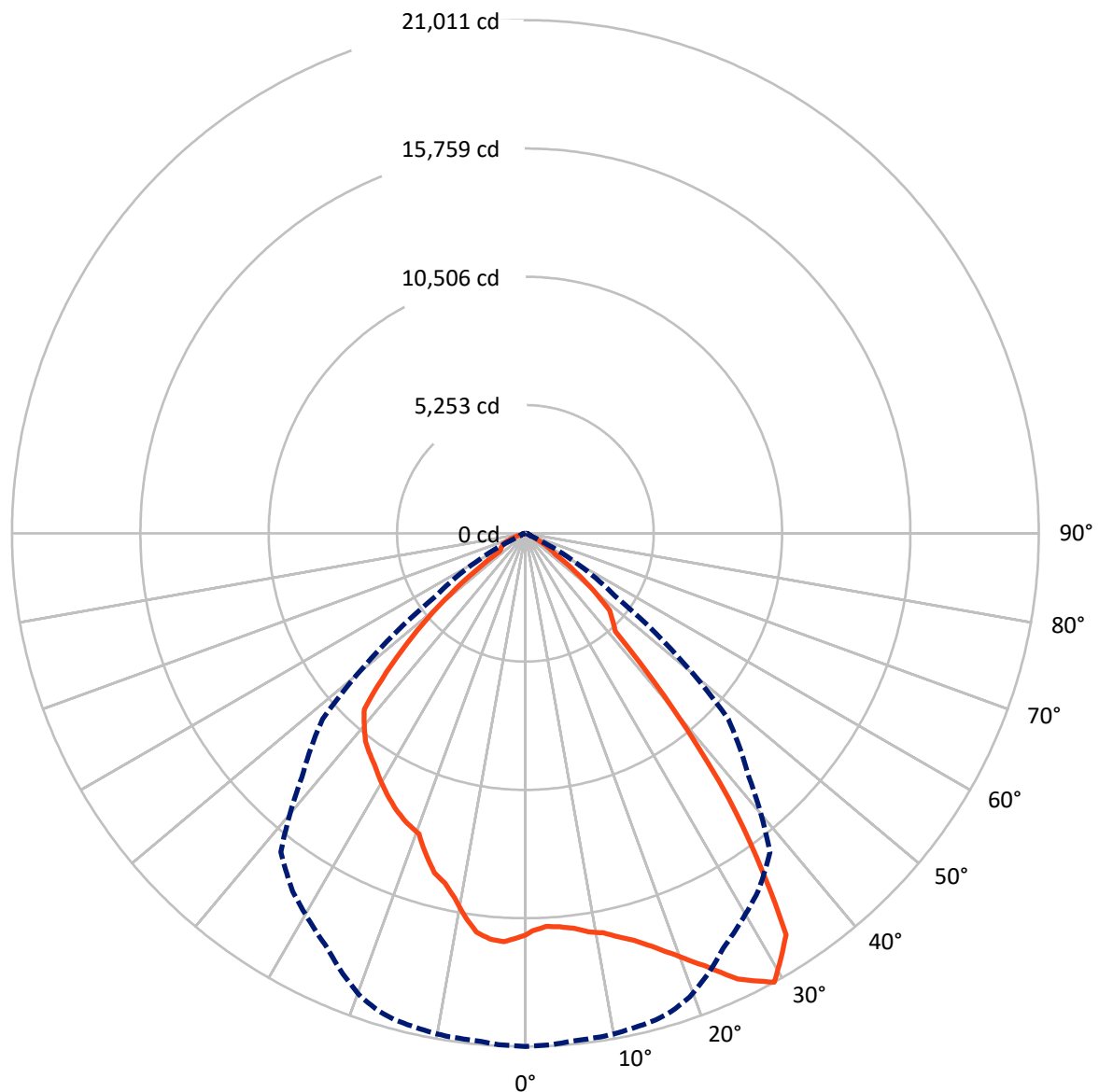
Lumen Table



REPORT NUMBER: P571680

CATALOG NUMBER: UFLD-L-CA4-270-730-U-66-TS2HW_NFFLD

Luminous Intensity Polar Plot



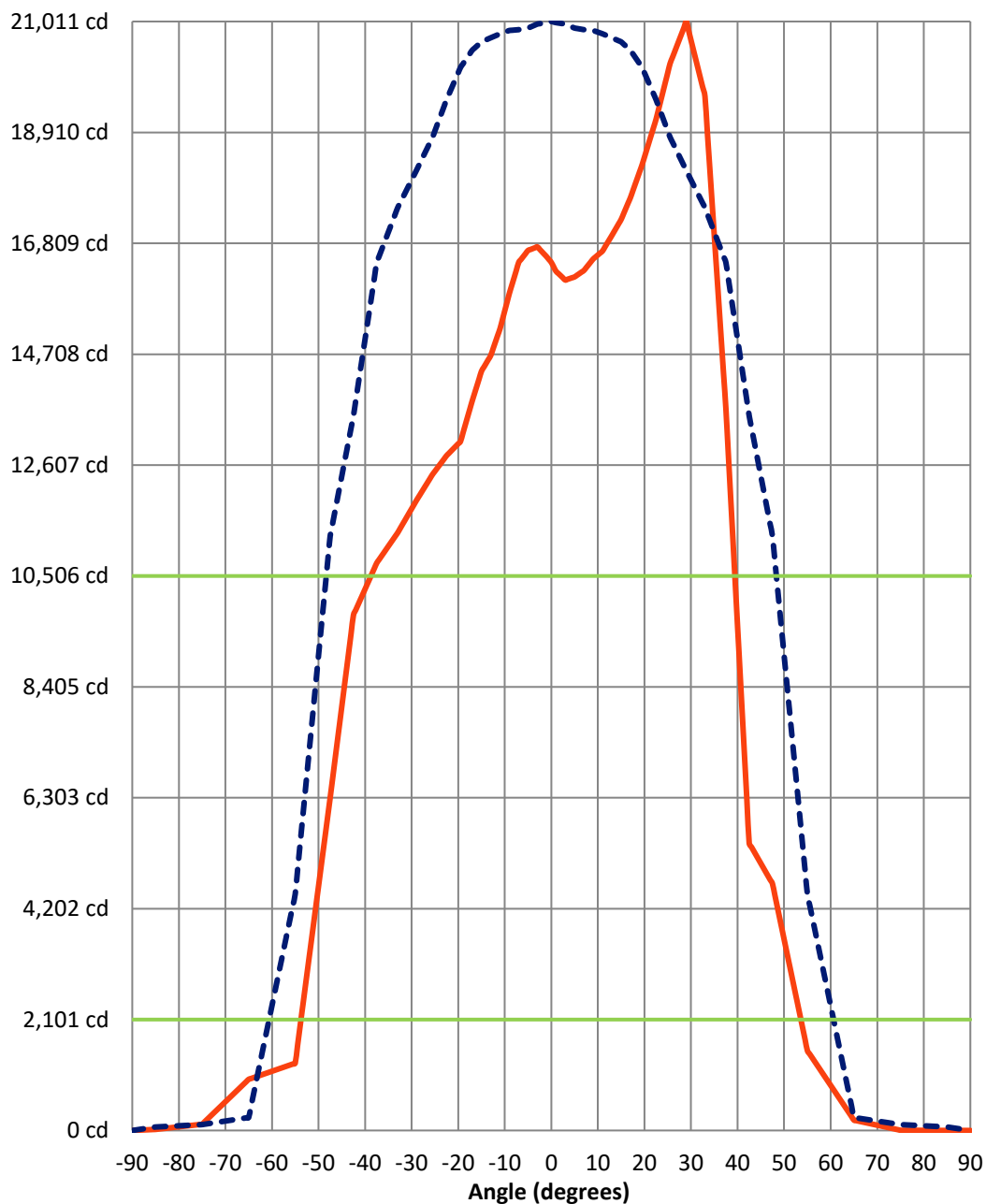
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 29-Deg

REPORT NUMBER: P571680

CATALOG NUMBER: UFLD-L-CA4-270-730-U-66-TS2HW_NFFLD

Luminous Intensity Plot



Beam:

H Angle: 96.7°

V Angle: 78.2°

Lumens: 26511.9

Efficiency: 72.6%

Field:

H Angle: 121.2°

V Angle: 107.4°

Lumens: 35497.5

Efficiency: 97.2%

Spill:

Lumens: 1020.5

Efficiency: 2.8%

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



REPORT NUMBER: P571680

CATALOG NUMBER: UFLD-L-CA4-270-730-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	9.7	21.8	27.4	29.8	32.2	34.7	36.3	36.3	35.5	33.9
75°	4.0	5.6	12.9	16.9	19.3	21.0	22.6	21.8	22.6	21.0	21.0
65°	195.8	195.8	195.0	189.4	178.1	166.0	159.6	176.5	220.8	262.7	272.4
55°	1513.6	1495.1	1491.8	1556.3	1557.1	1604.7	1607.9	1620.8	1582.9	1609.5	1560.3
47.5°	4673.8	4677.0	4648.8	4630.3	4604.5	4551.3	4514.2	4487.6	4483.6	4448.9	4304.6
42.5°	5445.9	5453.9	5528.9	5573.2	5699.0	5849.7	5968.2	5827.1	5702.2	5424.1	5511.2
37.5°	13670.7	13682.8	13668.3	13639.3	13330.6	13250.0	13188.0	13005.0	12918.8	12883.3	12734.2
33°	19592.9	19667.9	19624.4	19564.7	19606.6	19563.1	19471.2	19284.3	18948.2	18777.3	18546.8
29°	21011.4	20990.5	20963.1	20887.3	20856.7	20841.4	20778.5	20703.6	20625.4	20465.8	20141.0
25.5°	20212.7	20145.0	20148.2	20076.5	20021.7	20009.6	19949.2	19862.9	19788.8	19636.5	19297.2
22.5°	19159.3	19141.6	19106.1	19042.5	19007.8	18926.4	18857.1	18782.1	18762.0	18707.2	18444.4
19.5°	18297.0	18276.0	18276.0	18243.0	18195.4	18115.6	18014.9	17939.9	17894.8	17873.8	17683.6
17°	17676.4	17657.0	17650.6	17599.8	17557.9	17484.5	17381.4	17283.9	17210.5	17171.8	17034.0
15°	17260.5	17229.1	17224.2	17201.7	17157.3	17081.6	16980.0	16889.7	16826.1	16748.7	16610.1
13°	16956.6	16920.4	16913.9	16879.3	16834.1	16764.0	16681.8	16606.9	16554.5	16473.9	16350.6
11°	16663.3	16688.3	16667.3	16635.1	16584.3	16524.6	16464.2	16416.6	16373.9	16324.0	16237.7
9°	16512.6	16461.8	16465.0	16436.0	16402.1	16359.4	16317.5	16270.0	16265.9	16261.1	16193.4
7°	16294.1	16278.0	16302.2	16286.1	16238.5	16244.2	16209.5	16218.4	16243.4	16269.2	16277.2
5°	16172.4	16162.8	16171.6	16166.8	16149.9	16156.3	16152.3	16199.8	16275.6	16407.0	16523.0
3°	16112.8	16129.7	16127.3	16128.9	16166.0	16181.3	16220.8	16289.3	16383.6	16494.8	16509.3
1°	16280.4	16299.8	16309.5	16344.9	16407.8	16411.0	16410.2	16450.5	16468.2	16730.2	16714.0
0°	16446.5	16456.9	16461.0	16465.0	16489.2	16501.3	16465.8	16455.3	16427.1	16618.1	16523.0
-1°	16554.5	16578.6	16562.5	16587.5	16610.9	16552.0	16502.9	16444.0	16406.2	16505.3	16313.5
-3°	16742.3	16724.5	16684.2	16680.2	16685.0	16591.5	16465.0	16399.7	16287.7	16231.3	16153.9
-5°	16673.7	16667.3	16619.7	16592.3	16537.5	16386.8	16262.7	16158.7	16039.5	15862.9	15747.7
-7°	16447.3	16366.7	16345.7	16301.4	16137.8	16006.4	15858.1	15738.8	15573.6	15472.9	15390.7
-9°	15862.9	15825.1	15834.7	15776.7	15581.7	15472.1	15370.5	15270.6	15170.6	15096.5	15041.7
-11°	15196.4	15127.9	15180.3	15130.3	15033.6	14986.9	14953.8	14898.2	14861.1	14812.8	14751.5
-13°	14685.4	14653.2	14696.7	14672.5	14621.0	14623.4	14614.5	14589.5	14567.0	14506.5	14398.5
-15°	14384.8	14346.1	14362.2	14370.3	14349.4	14342.1	14334.8	14308.2	14269.6	14194.6	14060.8
-17°	13819.8	13757.0	13779.5	13781.1	13777.1	13755.4	13789.2	13772.3	13765.0	13713.4	13590.9
-19.5°	13055.8	13030.0	13027.6	13031.6	13042.9	13046.9	13064.6	13063.8	13055.8	12992.9	12867.2
-22.5°	12785.0	12780.9	12766.4	12776.9	12770.5	12762.4	12757.6	12735.0	12682.6	12625.4	12476.3
-25.5°	12431.2	12423.9	12445.7	12423.9	12390.9	12373.1	12329.6	12282.9	12232.9	12194.2	12040.3
-29°	11932.3	11928.2	11910.5	11896.0	11846.0	11793.6	11722.7	11675.2	11576.0	11513.2	11329.4
-33°	11324.6	11305.2	11277.0	11256.1	11226.2	11177.9	11131.9	11046.5	10950.6	10857.1	10682.2
-37.5°	10750.7	10774.1	10752.3	10747.5	10709.6	10653.2	10586.3	10506.5	10417.1	10317.1	10157.5
-42.5°	9763.4	9765.8	9760.2	9720.7	9646.6	9583.7	9507.9	9462.0	9435.4	9378.2	9226.7
-47.5°	6301.8	6315.5	6317.1	6334.1	6300.2	6273.6	6251.8	6224.4	6214.8	6691.1	6337.3
-55°	1275.0	1280.7	1313.7	1369.3	1400.8	1416.9	1378.2	1344.3	1346.0	1491.0	1689.3
-65°	968.8	963.9	960.7	953.5	947.8	938.1	947.0	957.5	951.0	968.8	989.7
-75°	118.5	119.3	120.1	119.3	108.8	119.3	133.0	128.1	134.6	139.4	138.6
-85°	20.1	19.3	26.6	33.0	36.3	42.7	48.4	52.4	54.0	54.8	54.8
-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: P571680

CATALOG NUMBER: UFLD-L-CA4-270-730-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°	31.4	29.8	28.2	27.4	28.2	30.6	34.7	41.1	52.4	57.2	61.3
75°	20.1	20.1	21.8	28.2	29.0	33.0	37.1	42.7	53.2	58.0	62.1
65°	216.8	129.8	94.3	79.8	64.5	55.6	55.6	60.4	63.7	62.1	62.9
55°	1455.6	1310.5	1183.2	1092.9	856.7	577.9	393.3	134.6	95.1	66.9	63.7
47.5°	4141.0	3892.0	3668.7	3434.2	3218.2	2314.7	1510.4	286.1	138.6	72.5	64.5
42.5°	5544.2	4791.4	5067.9	4806.8	4446.5	4031.4	3104.6	1034.0	158.0	81.4	64.5
37.5°	12143.4	11665.5	11239.9	10469.4	9516.8	8080.6	6867.6	2031.0	173.3	91.1	65.3
33°	18225.2	17326.6	16569.0	16053.2	14721.7	11664.7	9840.8	3089.3	206.3	101.6	66.1
29°	19530.1	18820.8	18184.9	17482.9	16443.2	13540.2	11259.3	4480.3	245.8	111.2	66.1
25.5°	18739.4	18122.1	17548.2	17044.5	16371.5	14218.0	11827.5	5519.2	285.3	121.7	66.1
22.5°	17892.4	17272.6	16726.1	16353.8	16051.5	14450.1	11665.5	6252.7	324.8	130.6	66.1
19.5°	17207.3	16643.9	16181.3	15900.8	15793.6	14394.5	11281.9	6893.4	369.1	138.6	66.9
17°	16584.3	16138.6	15788.0	15660.7	15584.9	14208.3	11058.6	7408.4	407.0	143.5	66.9
15°	16261.9	15875.8	15622.8	15557.5	15321.3	13991.5	10925.6	7778.3	429.6	148.3	66.9
13°	16048.3	15736.4	15563.1	15389.0	15003.0	13766.6	10860.3	8123.3	445.7	151.5	66.9
11°	15916.1	15674.4	15472.9	15147.3	14650.8	13600.6	10857.1	8413.4	453.8	154.7	67.7
9°	15955.6	15670.3	15341.5	14882.9	14368.7	13465.2	10891.0	8639.1	452.1	157.2	67.7
7°	16013.7	15686.4	15214.1	14635.5	14117.2	13386.2	10939.3	8821.3	443.3	159.6	67.7
5°	16066.9	15696.1	15150.5	14430.8	13908.5	13302.4	11001.4	8970.4	439.2	162.0	67.7
3°	16070.9	15681.6	15065.0	14228.5	13740.8	13242.8	11069.9	9088.8	435.2	163.6	67.7
1°	16010.4	15589.7	14937.7	14046.3	13616.7	13188.8	11141.6	9154.9	432.8	162.8	67.7
0°	15963.7	15497.8	14848.2	13964.1	13534.5	13152.5	11177.9	9171.8	426.4	161.2	67.7
-1°	15873.4	15425.3	14751.5	13914.1	13477.3	13099.3	11201.3	9157.3	423.1	160.4	67.7
-3°	15684.0	15216.6	14599.2	13786.8	13329.0	12986.5	11246.4	9127.5	425.5	158.8	67.7
-5°	15432.6	15005.4	14440.4	13644.1	13158.9	12843.0	11252.0	9047.7	431.2	158.0	67.7
-7°	15160.1	14762.8	14190.6	13430.6	12937.3	12633.5	11215.8	8925.2	423.1	158.0	67.7
-9°	14823.3	14412.2	13841.6	13155.7	12697.9	12396.5	11136.8	8759.2	419.9	158.8	67.7
-11°	14469.4	14035.0	13494.2	12882.5	12439.2	12150.7	11028.8	8566.6	419.9	158.0	68.5
-13°	14106.8	13656.2	13158.1	12613.3	12212.7	11866.2	10881.3	8332.8	416.7	159.6	67.7
-15°	13740.8	13284.7	12858.3	12363.5	12003.2	11617.9	10704.8	8044.3	415.1	162.0	67.7
-17°	13263.7	12870.4	12513.4	12103.1	11759.0	11391.5	10510.6	7721.1	411.0	163.6	67.7
-19.5°	12556.9	12220.8	11957.3	11694.5	11435.0	11093.3	10271.2	7259.3	400.6	164.4	67.7
-22.5°	12145.9	11801.7	11535.7	11302.8	11098.9	10824.9	10002.8	6647.6	382.8	164.4	67.7
-25.5°	11730.8	11418.9	11138.4	10898.2	10757.2	10580.7	9782.0	5968.2	369.1	162.0	67.7
-29°	11086.8	10853.1	10592.8	10349.4	10238.1	10135.8	9458.0	5083.2	361.1	157.2	67.7
-33°	10440.4	10201.9	9927.0	9641.7	9526.5	9474.9	8673.0	3929.9	360.3	148.3	67.7
-37.5°	9927.0	9674.8	9354.0	9008.2	8721.3	8500.5	7428.6	2922.4	353.8	134.6	67.7
-42.5°	8999.4	8839.0	8436.8	8162.0	7607.5	6749.1	5255.7	1895.6	324.8	112.8	66.9
-47.5°	6015.7	5825.5	5686.9	5509.6	5013.1	3899.2	2676.6	702.0	294.2	88.7	66.9
-55°	1655.4	1548.3	1632.9	1421.7	1131.6	831.8	698.8	259.5	229.7	76.6	66.1
-65°	1072.7	1107.4	813.2	506.1	315.9	238.6	341.7	153.9	117.7	70.1	65.3
-75°	130.6	115.3	91.9	101.6	108.0	98.3	91.1	66.1	65.3	65.3	64.5
-85°	53.2	51.6	50.0	49.2	47.6	46.7	47.6	50.0	56.4	62.1	62.9
-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)