

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: P571694

Luminaire Tested: **UFLD-L-CA4-370-750-U-66-TS2HW_NFFLD**

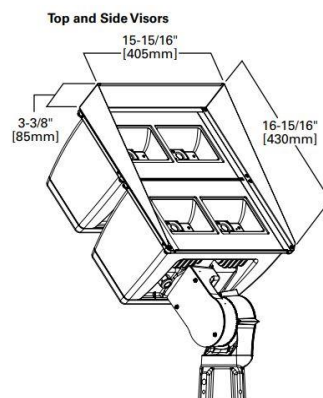
Issue Date: 9/21/2021

Test Information

Test Method: LM-79-08
Report Number: P571694
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-CA4-370-750-U-66-TS2HW_NFFLD
Description: FLOOD LIGHT LARGE, 6x6 OPTIC WITH TOP AND SIDE VISOR
Light Source: (4) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

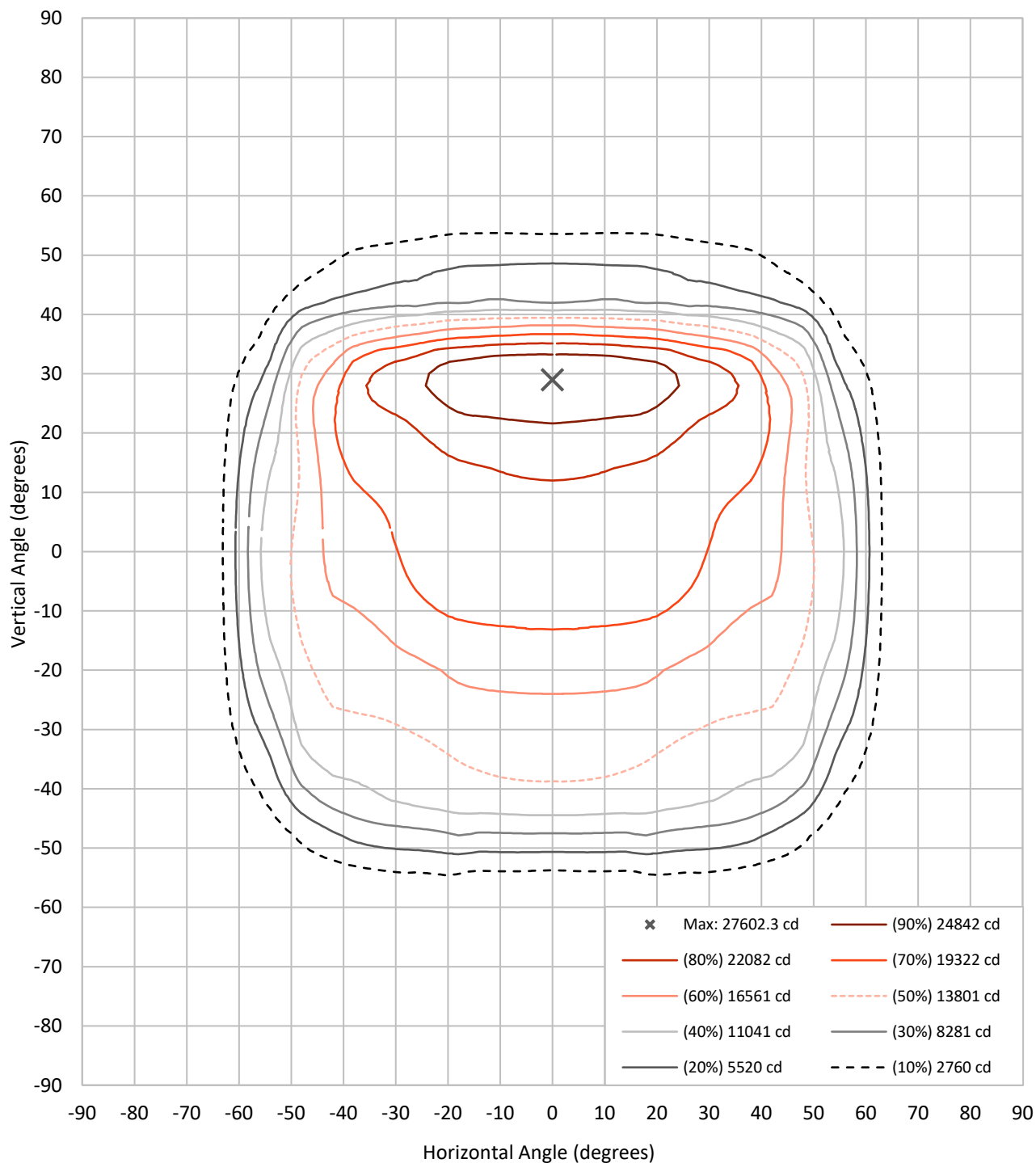
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	47973 lumens	Max Intensity:	27602.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	131.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.33' x L: 1.42' x H: 0')		
Beam Angle (50%):	96.7°H x 78.2°V	Field Angle (10%):	121.2°H x 107.4°V
Beam Lumens:	34828.2 lumens	Field Lumens:	46632.4 lumens
Beam Efficiency:	72.6%	Field Efficiency:	97.2%
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:	25 FT		



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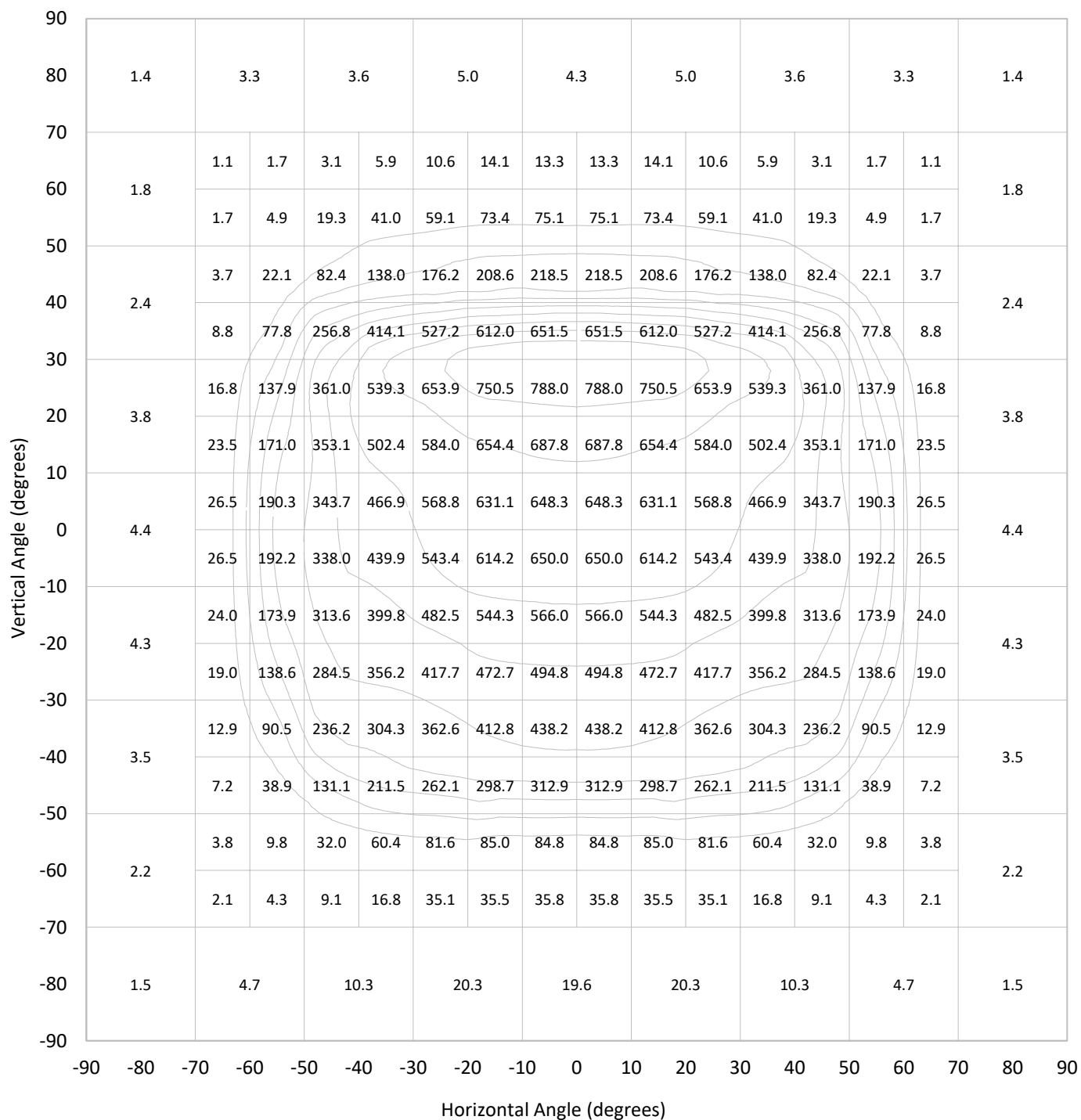
Iso-Candela Plot



REPORT NUMBER: P571694

CATALOG NUMBER: UFLD-L-CA4-370-750-U-66-TS2HW_NFFLD

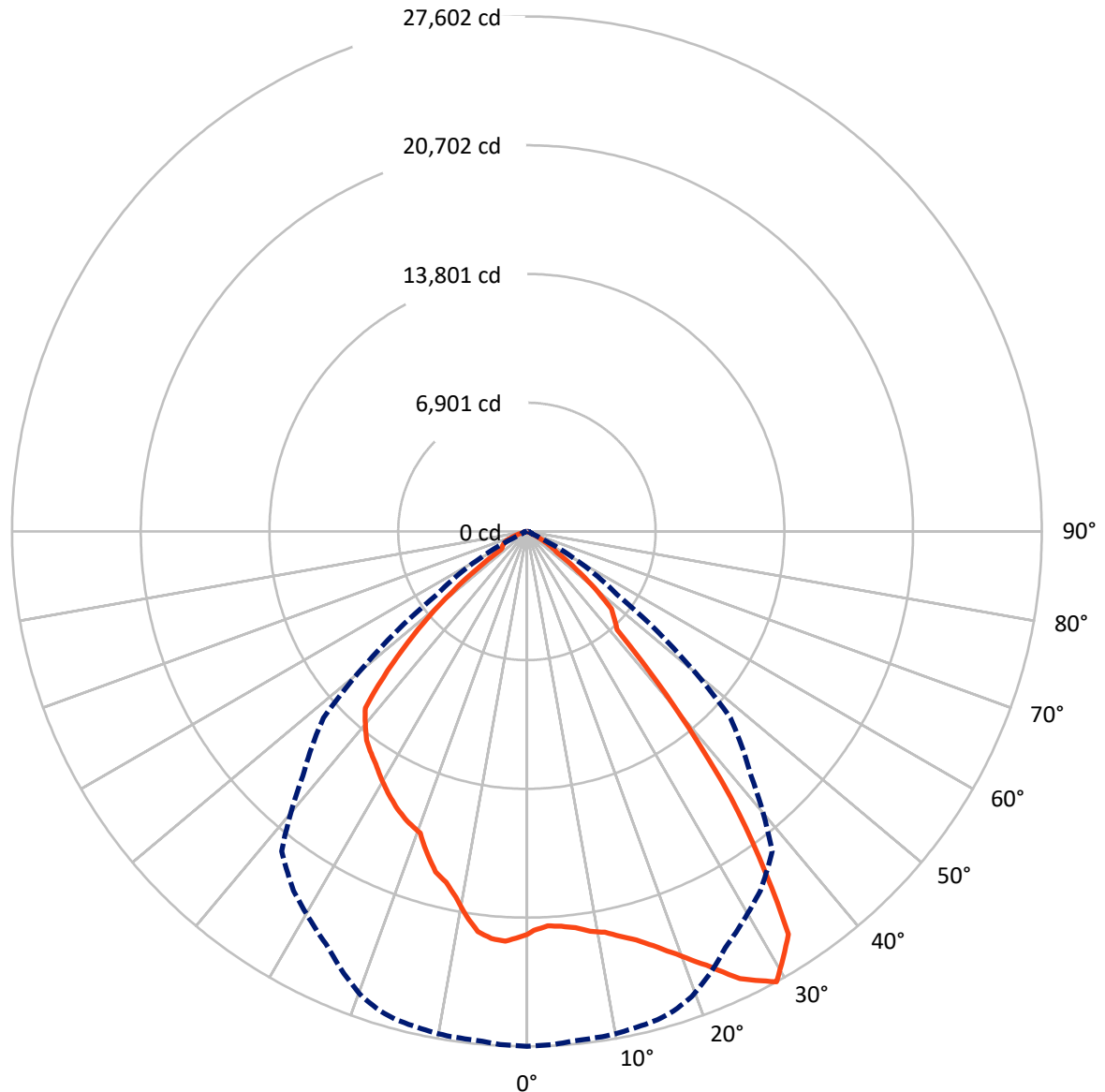
Lumen Table



REPORT NUMBER: P571694

CATALOG NUMBER: UFLD-L-CA4-370-750-U-66-TS2HW_NFFLD

Luminous Intensity Polar Plot



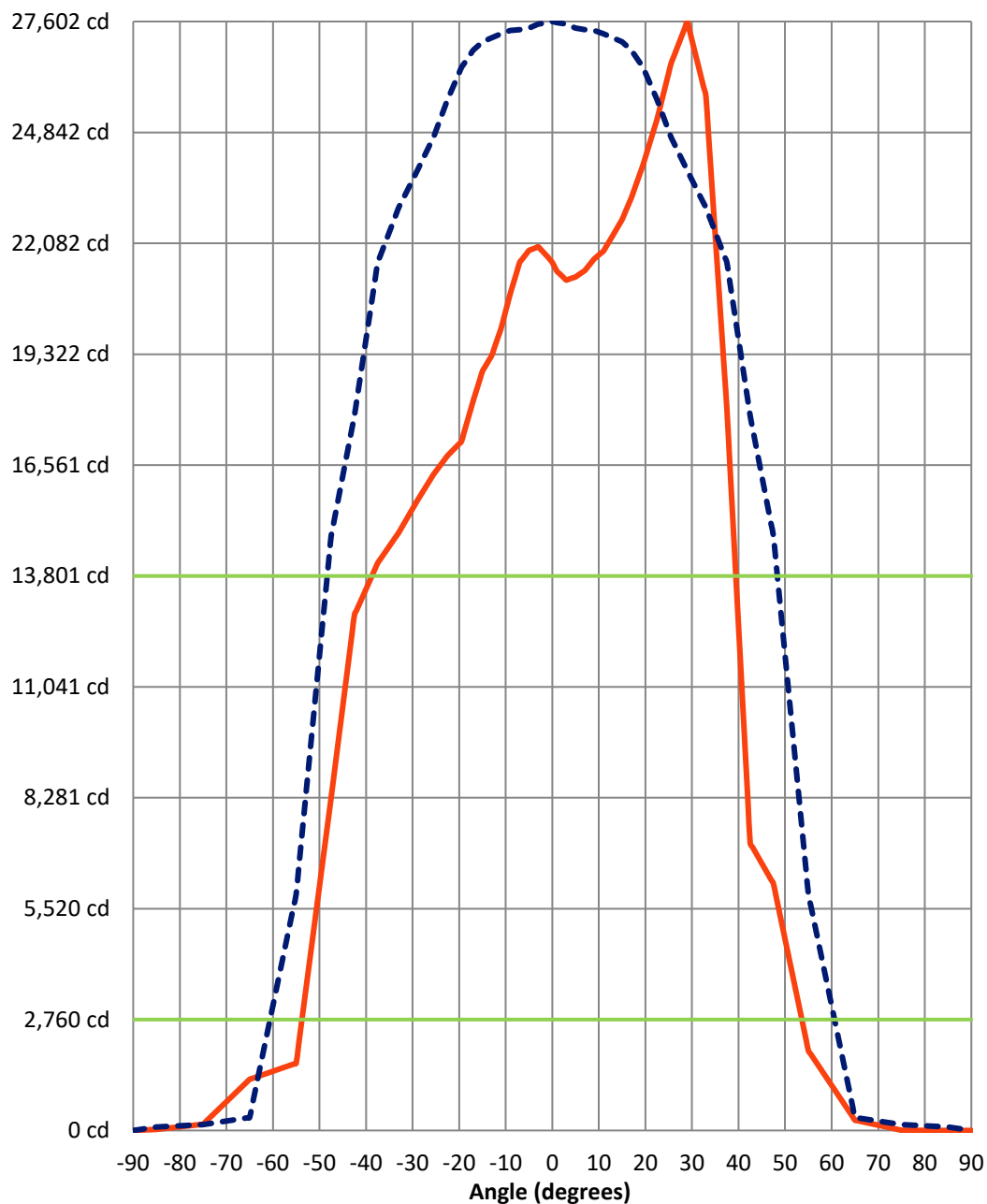
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 29-Deg

REPORT NUMBER: P571694

CATALOG NUMBER: UFLD-L-CA4-370-750-U-66-TS2HW_NFFLD

Luminous Intensity Plot



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

REPORT NUMBER: P571694

CATALOG NUMBER: UFLD-L-CA4-370-750-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	12.7	28.6	36.0	39.2	42.4	45.5	47.6	47.6	46.6	44.5
75°	5.3	7.4	16.9	22.2	25.4	27.5	29.6	28.6	29.6	27.5	27.5
65°	257.3	257.3	256.2	248.8	234.0	218.1	209.6	231.9	290.1	345.2	357.9
55°	1988.4	1964.0	1959.8	2044.5	2045.6	2108.0	2112.3	2129.2	2079.4	2114.4	2049.8
47.5°	6139.8	6144.1	6107.0	6082.7	6048.8	5978.9	5930.2	5895.3	5890.0	5844.4	5654.9
42.5°	7154.2	7164.7	7263.2	7321.4	7486.6	7684.6	7840.2	7655.0	7490.8	7125.6	7239.9
37.5°	17959.0	17974.9	17955.8	17917.7	17512.2	17406.3	17324.8	17084.4	16971.1	16924.6	16728.7
33°	25738.9	25837.3	25780.2	25701.8	25756.9	25699.7	25579.0	25333.4	24891.9	24667.4	24364.6
29°	27602.3	27574.8	27538.8	27439.3	27399.0	27378.9	27296.3	27197.9	27095.2	26885.5	26458.8
25.5°	26553.1	26464.1	26468.4	26374.1	26302.1	26286.3	26206.9	26093.6	25996.2	25796.0	25350.3
22.5°	25169.3	25146.0	25099.4	25015.7	24970.2	24863.3	24772.2	24673.7	24647.3	24575.3	24230.1
19.5°	24036.4	24008.8	24008.8	23965.4	23903.0	23798.1	23665.8	23567.3	23508.0	23480.5	23230.6
17°	23221.1	23195.7	23187.2	23120.5	23065.5	22969.1	22833.6	22705.5	22609.1	22558.3	22377.3
15°	22674.8	22633.5	22627.1	22597.5	22539.2	22439.7	22306.3	22187.7	22104.1	22002.4	21820.3
13°	22275.6	22228.0	22219.5	22174.0	22114.7	22022.6	21914.6	21816.1	21747.3	21641.4	21479.4
11°	21890.2	21923.0	21895.5	21853.2	21786.5	21708.1	21628.7	21566.2	21510.1	21444.5	21331.2
9°	21692.2	21625.5	21629.8	21591.6	21547.2	21491.1	21436.0	21373.5	21368.2	21361.9	21273.0
7°	21405.3	21384.1	21415.9	21394.7	21332.2	21339.7	21294.1	21305.8	21338.6	21372.5	21383.1
5°	21245.4	21232.7	21244.4	21238.0	21215.8	21224.2	21219.0	21281.4	21380.9	21553.5	21706.0
3°	21167.1	21189.3	21186.1	21188.2	21237.0	21257.1	21308.9	21398.9	21522.8	21668.9	21688.0
1°	21387.3	21412.7	21425.4	21472.0	21554.6	21558.8	21557.8	21610.7	21634.0	21978.1	21956.9
0°	21605.4	21619.2	21624.5	21629.8	21661.5	21677.4	21630.8	21617.1	21580.0	21830.9	21706.0
-1°	21747.3	21779.0	21757.9	21790.7	21821.4	21744.1	21679.5	21602.2	21552.5	21682.7	21430.7
-3°	21994.0	21970.7	21917.7	21912.5	21918.8	21796.0	21629.8	21544.0	21396.8	21322.7	21221.1
-5°	21904.0	21895.5	21833.0	21797.0	21725.0	21527.1	21364.0	21227.4	21070.7	20838.9	20687.4
-7°	21606.5	21500.6	21473.1	21414.8	21199.9	21027.3	20832.5	20675.8	20458.8	20326.4	20218.4
-9°	20838.9	20789.1	20801.8	20725.6	20469.3	20325.3	20191.9	20060.7	19929.4	19832.0	19760.0
-11°	19963.2	19873.2	19942.1	19876.4	19749.4	19688.0	19644.6	19571.5	19522.8	19459.3	19378.8
-13°	19292.0	19249.6	19306.8	19275.0	19207.3	19210.5	19198.8	19166.0	19136.3	19056.9	18915.1
-15°	18897.1	18846.2	18867.4	18878.0	18850.5	18840.9	18831.4	18796.5	18745.6	18647.2	18471.4
-17°	18154.9	18072.3	18101.9	18104.0	18098.7	18070.1	18114.6	18092.4	18082.9	18015.1	17854.2
-19.5°	17151.1	17117.3	17114.1	17119.4	17134.2	17139.5	17162.8	17161.7	17151.1	17068.5	16903.4
-22.5°	16795.4	16790.1	16771.0	16784.8	16776.3	16765.7	16759.4	16729.7	16660.9	16585.7	16389.9
-25.5°	16330.6	16321.1	16349.6	16321.1	16277.6	16254.3	16197.2	16135.8	16070.1	16019.3	15817.1
-29°	15675.2	15669.9	15646.6	15627.6	15561.9	15493.1	15399.9	15337.4	15207.2	15124.6	14883.2
-33°	14876.9	14851.5	14814.4	14786.9	14747.7	14684.2	14623.8	14511.6	14385.6	14262.8	14033.0
-37.5°	14123.0	14153.7	14125.1	14118.8	14069.0	13994.9	13907.0	13802.2	13684.7	13553.4	13343.8
-42.5°	12826.0	12829.2	12821.8	12769.9	12672.5	12589.9	12490.4	12430.0	12395.1	12319.9	12120.9
-47.5°	8278.6	8296.6	8298.7	8320.9	8276.5	8241.5	8212.9	8176.9	8164.2	8790.0	8325.2
-55°	1675.0	1682.4	1725.8	1798.9	1840.2	1861.3	1810.5	1766.0	1768.2	1958.7	2219.2
-65°	1272.7	1266.3	1262.1	1252.5	1245.1	1232.4	1244.1	1257.8	1249.4	1272.7	1300.2
-75°	155.6	156.7	157.8	156.7	142.9	156.7	174.7	168.3	176.8	183.2	182.1
-85°	26.5	25.4	34.9	43.4	47.6	56.1	63.5	68.8	70.9	72.0	72.0
-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: P571694

CATALOG NUMBER: UFLD-L-CA4-370-750-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°	41.3	39.2	37.1	36.0	37.1	40.2	45.5	54.0	68.8	75.2	80.5
75°	26.5	26.5	28.6	37.1	38.1	43.4	48.7	56.1	69.9	76.2	81.5
65°	284.8	170.5	123.9	104.8	84.7	73.1	73.1	79.4	83.6	81.5	82.6
55°	1912.2	1721.6	1554.3	1435.7	1125.5	759.1	516.7	176.8	124.9	87.9	83.6
47.5°	5440.0	5112.8	4819.6	4511.4	4227.7	3040.8	1984.1	375.9	182.1	95.3	84.7
42.5°	7283.3	6294.4	6657.6	6314.5	5841.3	5296.0	4078.4	1358.4	207.5	106.9	84.7
37.5°	15952.6	15324.7	14765.7	13753.5	12502.0	10615.3	9021.8	2668.1	227.6	119.6	85.8
33°	23942.1	22761.6	21766.3	21088.7	19339.6	15323.7	12927.7	4058.3	271.0	133.4	86.8
29°	25656.3	24724.6	23889.2	22967.0	21601.2	17787.5	14791.1	5885.7	322.9	146.1	86.8
25.5°	24617.6	23806.6	23052.8	22391.0	21506.9	18677.9	15537.6	7250.5	374.8	159.9	86.8
22.5°	23504.9	22690.7	21972.8	21483.6	21086.6	18982.8	15324.7	8214.0	426.7	171.5	86.8
19.5°	22604.9	21864.8	21257.1	20888.6	20747.8	18909.8	14820.8	9055.7	484.9	182.1	87.9
17°	21786.5	21201.0	20740.4	20573.1	20473.6	18665.2	14527.5	9732.3	534.7	188.5	87.9
15°	21362.9	20855.8	20523.3	20437.6	20127.4	18380.4	14352.8	10218.3	564.3	194.8	87.9
13°	21082.4	20672.6	20445.0	20216.3	19709.1	18085.0	14267.0	10671.4	585.5	199.1	87.9
11°	20908.7	20591.1	20326.4	19898.7	19246.5	17866.9	14262.8	11052.6	596.1	203.3	88.9
9°	20960.6	20585.8	20153.8	19551.4	18875.9	17689.0	14307.3	11349.0	594.0	206.5	88.9
7°	21036.8	20607.0	19986.5	19226.3	18545.5	17585.2	14370.8	11588.3	582.3	209.6	88.9
5°	21106.7	20619.7	19902.9	18957.4	18271.3	17475.1	14452.3	11784.2	577.0	212.8	88.9
3°	21112.0	20600.6	19790.7	18691.7	18051.1	17396.8	14542.3	11939.8	571.7	214.9	88.9
1°	21032.6	20479.9	19623.4	18452.4	17888.0	17325.8	14636.5	12026.6	568.6	213.9	88.9
0°	20971.2	20359.2	19505.9	18344.4	17780.0	17278.2	14684.2	12048.9	560.1	211.8	88.9
-1°	20852.6	20263.9	19378.8	18278.7	17704.9	17208.3	14714.9	12029.8	555.9	210.7	88.9
-3°	20603.8	19989.7	19178.7	18111.4	17510.1	17060.1	14774.2	11990.7	559.0	208.6	88.9
-5°	20273.5	19712.3	18970.1	17924.0	17286.7	16871.6	14781.6	11885.8	566.4	207.5	88.9
-7°	19915.6	19393.6	18641.9	17643.5	16995.5	16596.3	14733.9	11724.9	555.9	207.5	88.9
-9°	19473.0	18933.1	18183.4	17282.4	16681.0	16285.1	14630.2	11506.8	551.6	208.6	88.9
-11°	19008.2	18437.5	17727.1	16923.5	16341.2	15962.1	14488.3	11253.7	551.6	207.5	90.0
-13°	18531.8	17939.9	17285.6	16569.9	16043.7	15588.4	14294.6	10946.7	547.4	209.6	88.9
-15°	18051.1	17451.8	16891.7	16241.6	15768.4	15262.3	14062.7	10567.7	545.3	212.8	88.9
-17°	17424.3	16907.6	16438.6	15899.7	15447.6	14964.8	13807.5	10143.1	540.0	214.9	88.9
-19.5°	16495.7	16054.2	15708.0	15362.9	15021.9	14573.0	13493.1	9536.4	526.2	216.0	88.9
-22.5°	15955.8	15503.7	15154.3	14848.3	14580.4	14220.4	13140.5	8732.8	502.9	216.0	88.9
-25.5°	15410.5	15000.8	14632.3	14316.8	14131.5	13899.6	12850.4	7840.2	484.9	212.8	88.9
-29°	14564.5	14257.5	13915.5	13595.8	13449.6	13315.2	12424.8	6677.7	474.3	206.5	88.9
-33°	13715.4	13402.0	13041.0	12666.2	12514.7	12447.0	11393.5	5162.6	473.3	194.8	88.9
-37.5°	13041.0	12709.6	12288.2	11834.0	11457.0	11166.9	9758.7	3839.1	464.8	176.8	88.9
-42.5°	11822.3	11611.6	11083.3	10722.2	9993.8	8866.2	6904.3	2490.2	426.7	148.2	87.9
-47.5°	7902.7	7652.8	7470.7	7237.8	6585.6	5122.4	3516.2	922.2	386.5	116.5	87.9
-55°	2174.7	2033.9	2145.1	1867.7	1486.5	1092.7	918.0	340.9	301.8	100.6	86.8
-65°	1409.2	1454.8	1068.3	664.9	415.0	313.4	448.9	202.2	154.6	92.1	85.8
-75°	171.5	151.4	120.7	133.4	141.9	129.2	119.6	86.8	85.8	85.8	84.7
-85°	69.9	67.8	65.6	64.6	62.5	61.4	62.5	65.6	74.1	81.5	82.6
-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)