

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: P571698

Luminaire Tested: **UFLD-L-CA4-390-730-U-66-TS2HW_NFFLD**

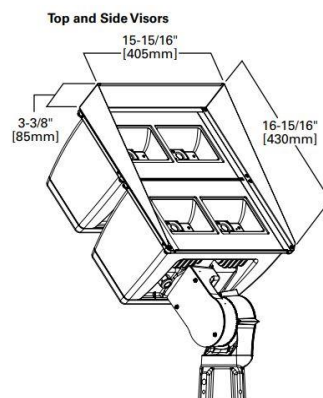
Issue Date: 9/21/2021

Test Information

Test Method: LM-79-08
Report Number: P571698
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-CA4-390-730-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

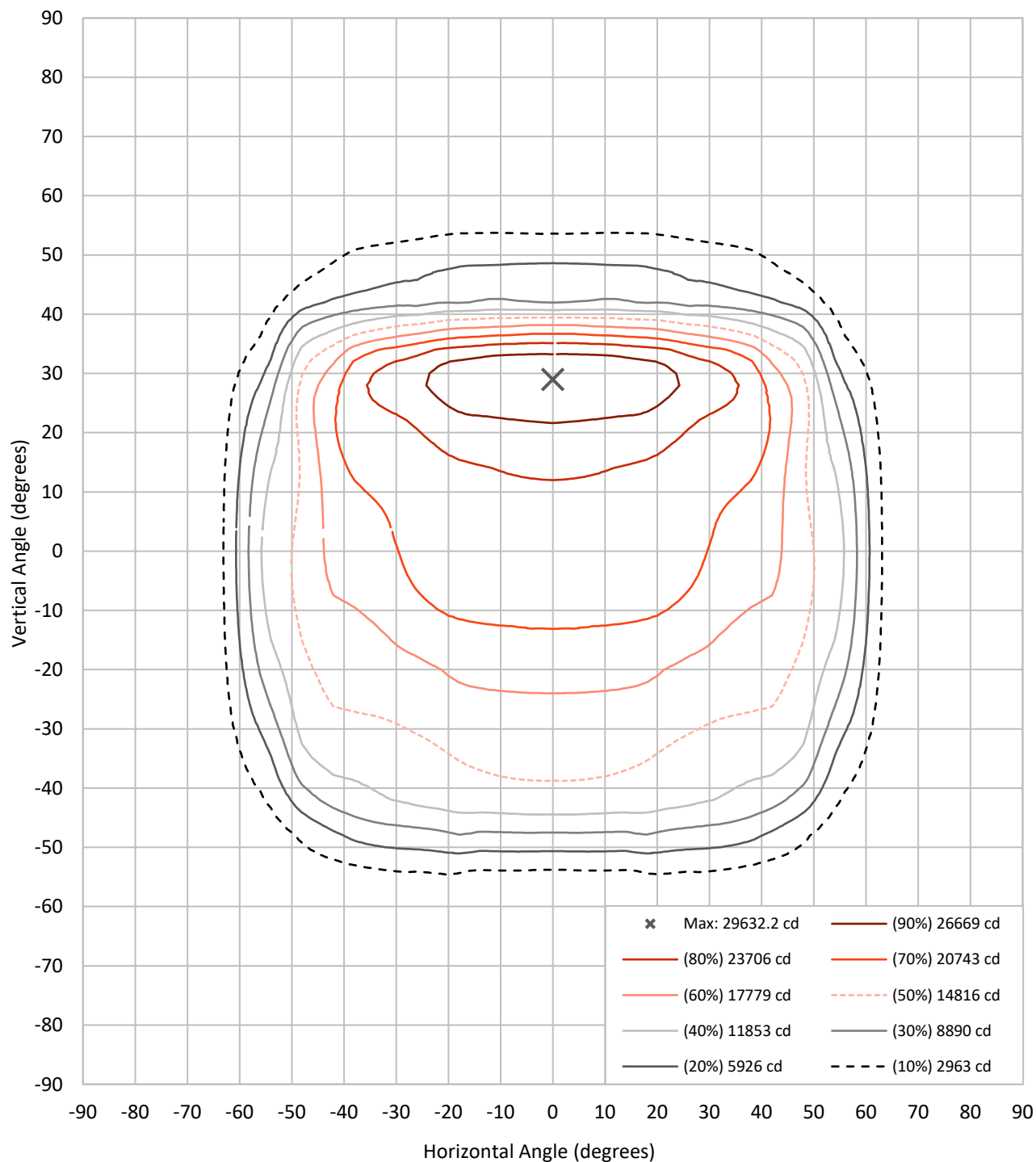
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	51501 lumens	Max Intensity:	29632.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	132.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.33' x L: 1.42' x H: 0')		
Beam Angle (50%):	96.7°H x 78.2°V	Field Angle (10%):	121.2°H x 107.4°V
Beam Lumens:	37389.5 lumens	Field Lumens:	50061.8 lumens
Beam Efficiency:	72.6%	Field Efficiency:	97.2%
Input Watts (W):	387.6		
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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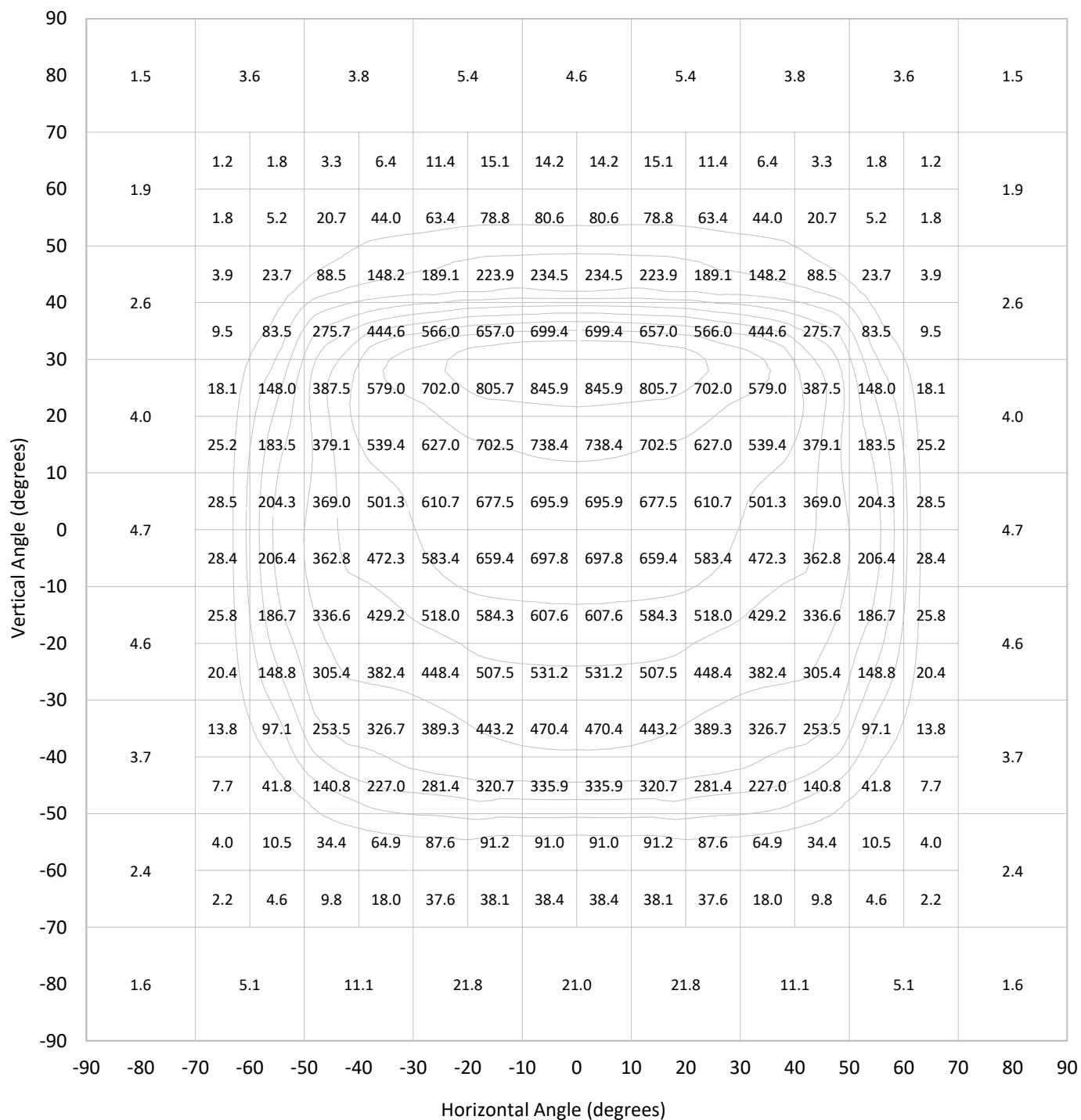
Iso-Candela Plot



REPORT NUMBER: P571698

CATALOG NUMBER: UFLD-L-CA4-390-730-U-66-TS2HW_NFFLD

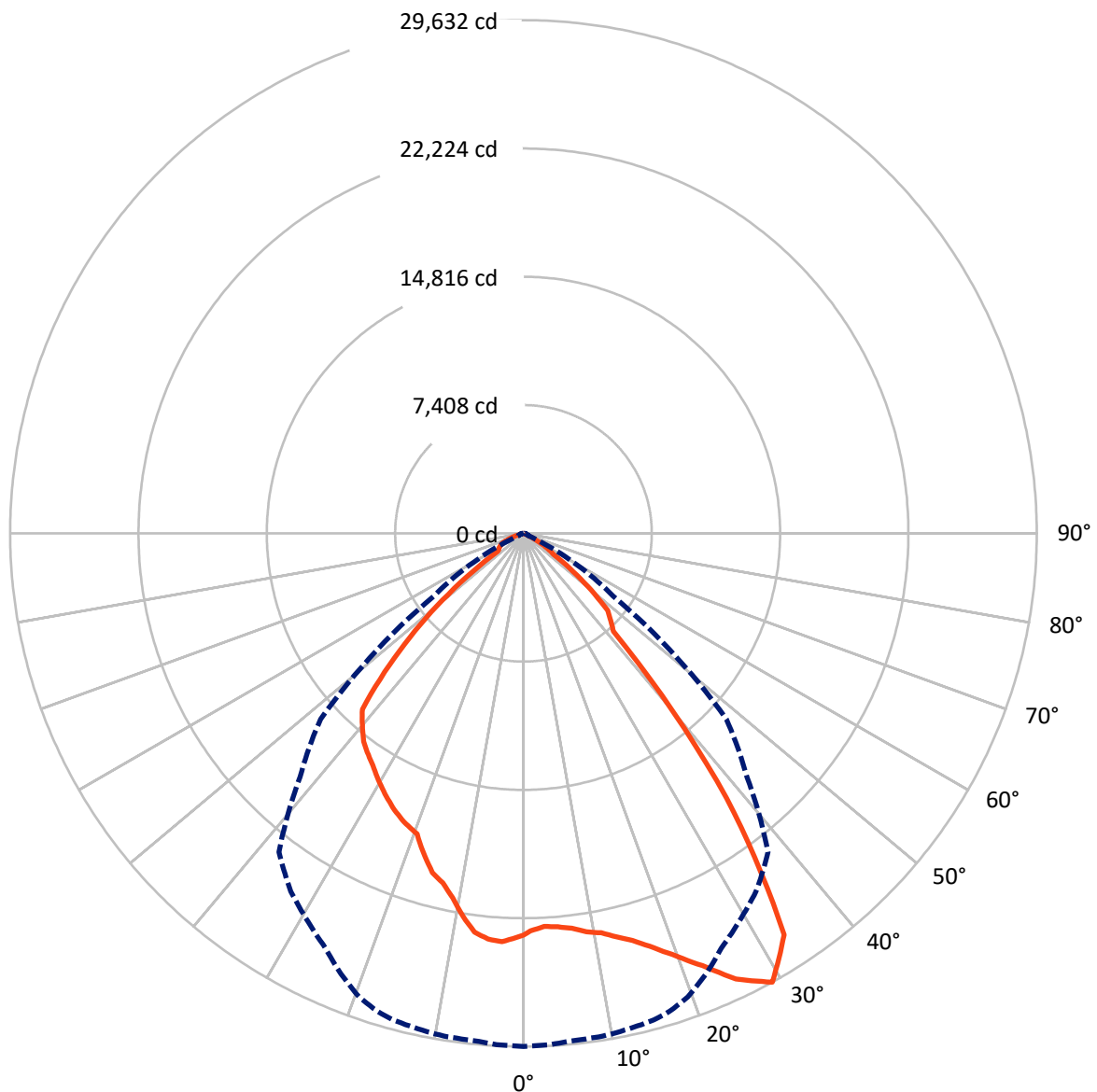
Lumen Table



REPORT NUMBER: P571698

CATALOG NUMBER: UFLD-L-CA4-390-730-U-66-TS2HW_NFFLD

Luminous Intensity Polar Plot



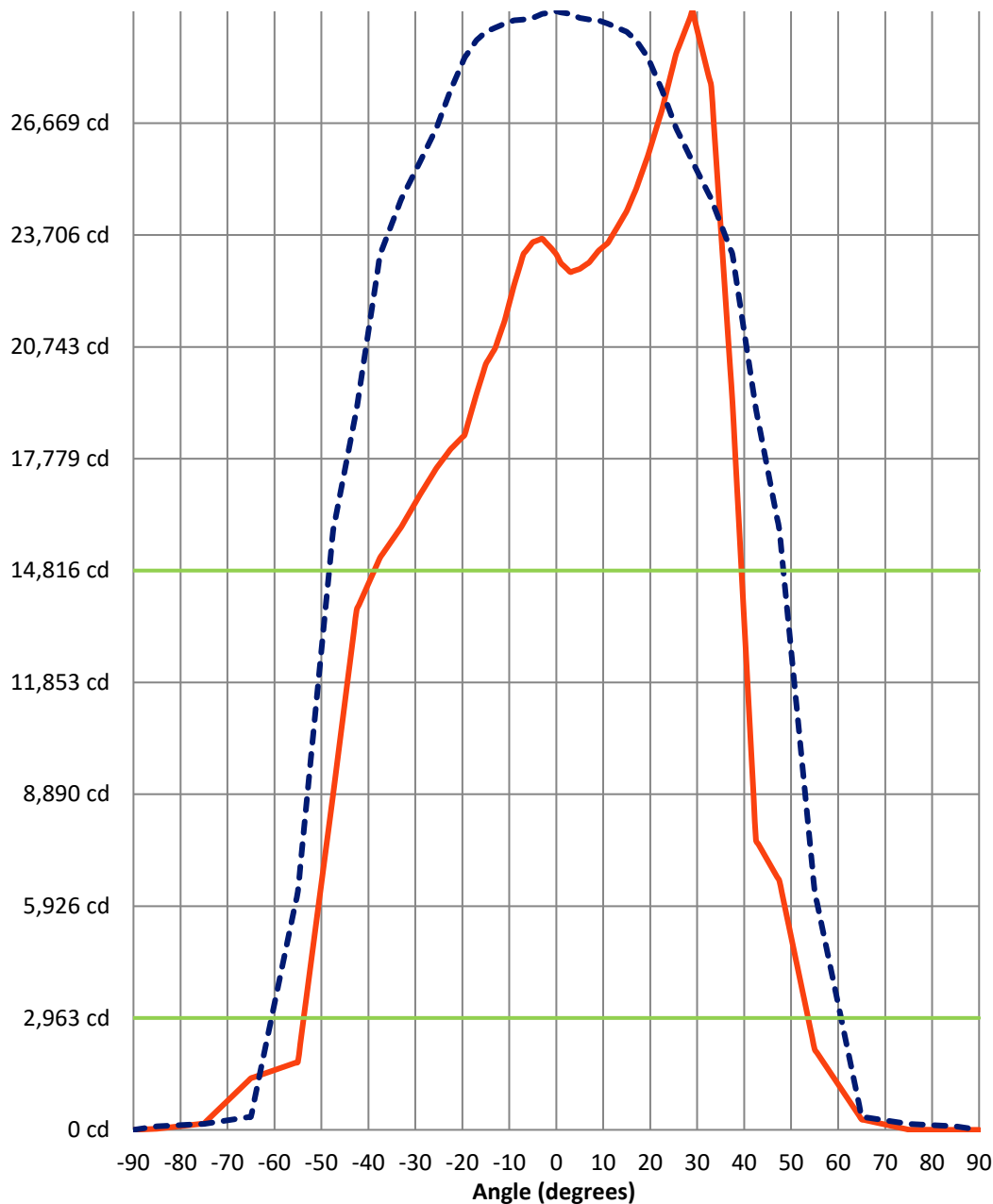
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 29-Deg

REPORT NUMBER: P571698

CATALOG NUMBER: UFLD-L-CA4-390-730-U-66-TS2HW_NFFLD

Luminous Intensity Plot



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

REPORT NUMBER: P571698

CATALOG NUMBER: UFLD-L-CA4-390-730-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	13.6	30.7	38.6	42.1	45.5	48.9	51.1	51.1	50.0	47.7
75°	5.7	8.0	18.2	23.9	27.3	29.6	31.8	30.7	31.8	29.6	29.6
65°	276.2	276.2	275.1	267.1	251.2	234.1	225.1	248.9	311.4	370.5	384.2
55°	2134.6	2108.5	2103.9	2194.9	2196.0	2263.1	2267.6	2285.8	2232.4	2269.9	2200.5
47.5°	6591.4	6595.9	6556.1	6530.0	6493.6	6418.6	6366.3	6328.8	6323.1	6274.3	6070.8
42.5°	7680.3	7691.7	7797.4	7859.9	8037.2	8249.7	8416.8	8217.9	8041.7	7649.6	7772.4
37.5°	19279.7	19296.8	19276.3	19235.4	18800.0	18686.4	18598.9	18340.8	18219.2	18169.2	17958.9
33°	27631.7	27737.5	27676.1	27592.0	27651.1	27589.7	27460.1	27196.4	26722.4	26481.5	26156.4
29°	29632.2	29602.7	29564.0	29457.2	29414.0	29392.4	29303.7	29198.0	29087.8	28862.7	28404.7
25.5°	28505.8	28410.3	28414.9	28313.7	28236.4	28219.4	28134.1	28012.5	27907.9	27693.1	27214.6
22.5°	27020.2	26995.2	26945.2	26855.4	26806.5	26691.7	26594.0	26488.3	26459.9	26382.6	26012.0
19.5°	25804.0	25774.5	25774.5	25727.9	25660.8	25548.3	25406.2	25300.5	25236.8	25207.3	24939.0
17°	24928.8	24901.5	24892.4	24820.8	24761.7	24658.3	24512.8	24375.3	24271.8	24217.3	24022.9
15°	24342.3	24298.0	24291.2	24259.3	24196.8	24090.0	23946.8	23819.5	23729.7	23620.5	23425.0
13°	23913.8	23862.6	23853.5	23804.7	23741.0	23642.1	23526.2	23420.5	23346.6	23232.9	23059.0
11°	23500.1	23535.3	23505.7	23460.3	23388.7	23304.6	23219.3	23152.2	23092.0	23021.5	22899.9
9°	23287.5	23215.9	23220.4	23179.5	23131.8	23071.5	23012.4	22945.4	22939.7	22932.9	22837.4
7°	22979.5	22956.7	22990.8	22968.1	22901.0	22909.0	22860.1	22872.6	22907.9	22944.2	22955.6
5°	22807.8	22794.2	22806.7	22799.9	22776.0	22785.1	22779.4	22846.5	22953.3	23138.6	23302.3
3°	22723.7	22747.6	22744.2	22746.5	22798.7	22820.3	22876.0	22972.7	23105.6	23262.5	23283.0
1°	22960.2	22987.4	23001.1	23051.1	23139.7	23144.3	23143.1	23200.0	23225.0	23594.4	23571.7
0°	23194.3	23209.1	23214.8	23220.4	23254.5	23271.6	23221.6	23206.8	23167.0	23436.4	23302.3
-1°	23346.6	23380.7	23358.0	23393.2	23426.2	23343.2	23273.9	23190.9	23137.5	23277.3	23006.8
-3°	23611.4	23586.4	23529.6	23523.9	23530.7	23398.9	23220.4	23128.4	22970.4	22890.8	22781.7
-5°	23514.8	23505.7	23438.7	23400.0	23322.7	23110.2	22935.1	22788.5	22620.3	22371.4	22208.8
-7°	23195.4	23081.8	23052.2	22989.7	22759.0	22573.7	22364.6	22196.3	21963.3	21821.2	21705.3
-9°	22371.4	22317.9	22331.6	22249.7	21974.7	21820.1	21676.9	21535.9	21395.0	21290.4	21213.1
-11°	21431.4	21334.8	21408.6	21338.2	21201.8	21135.8	21089.2	21010.8	20958.5	20890.3	20803.9
-13°	20710.7	20665.3	20726.7	20692.6	20619.8	20623.2	20610.7	20575.5	20543.7	20458.4	20306.1
-15°	20286.8	20232.2	20254.9	20266.3	20236.8	20226.5	20216.3	20178.8	20124.2	20018.5	19829.8
-17°	19490.0	19401.3	19433.2	19435.4	19429.7	19399.1	19446.8	19422.9	19412.7	19339.9	19167.2
-19.5°	18412.4	18376.1	18372.7	18378.3	18394.3	18399.9	18425.0	18423.8	18412.4	18323.8	18146.5
-22.5°	18030.5	18024.9	18004.4	18019.2	18010.1	17998.7	17991.9	17960.1	17886.2	17805.5	17595.2
-25.5°	17531.6	17521.3	17552.0	17521.3	17474.7	17449.7	17388.3	17322.4	17251.9	17197.4	16980.3
-29°	16828.0	16822.3	16797.3	16776.8	16706.4	16632.5	16532.4	16465.4	16325.6	16236.9	15977.8
-33°	15970.9	15943.7	15903.9	15874.3	15832.3	15764.1	15699.3	15578.8	15443.5	15311.7	15065.0
-37.5°	15161.7	15194.6	15163.9	15157.1	15103.7	15024.1	14929.8	14817.3	14691.1	14550.1	14325.1
-42.5°	13769.3	13772.7	13764.7	13709.0	13604.5	13515.8	13409.0	13344.2	13306.7	13226.0	13012.3
-47.5°	8887.4	8906.7	8909.0	8932.9	8885.1	8847.6	8816.9	8778.3	8764.6	9436.4	8937.4
-55°	1798.2	1806.1	1852.7	1931.2	1975.5	1998.2	1943.7	1895.9	1898.2	2102.8	2382.4
-65°	1366.2	1359.4	1354.9	1344.6	1336.7	1323.1	1335.6	1350.3	1341.2	1366.2	1395.8
-75°	167.1	168.2	169.4	168.2	153.4	168.2	187.5	180.7	189.8	196.6	195.5
-85°	28.4	27.3	37.5	46.6	51.1	60.2	68.2	73.9	76.2	77.3	77.3
-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: P571698

CATALOG NUMBER: UFLD-L-CA4-390-730-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°	44.3	42.1	39.8	38.6	39.8	43.2	48.9	58.0	73.9	80.7	86.4
75°	28.4	28.4	30.7	39.8	40.9	46.6	52.3	60.2	75.0	81.8	87.5
65°	305.8	183.0	133.0	112.5	90.9	78.4	78.4	85.2	89.8	87.5	88.7
55°	2052.8	1848.2	1668.6	1541.3	1208.2	815.0	554.7	189.8	134.1	94.3	89.8
47.5°	5840.1	5488.8	5174.0	4843.2	4538.6	3264.4	2130.1	403.5	195.5	102.3	90.9
42.5°	7819.0	6757.3	7147.2	6778.9	6270.8	5685.5	4378.3	1458.3	222.8	114.8	90.9
37.5°	17125.8	16451.7	15851.6	14765.0	13421.5	11396.0	9685.3	2864.3	244.4	128.4	92.1
33°	25702.9	24435.5	23367.1	22639.6	20761.9	16450.6	13878.4	4356.7	291.0	143.2	93.2
29°	27543.1	26542.8	25646.0	24656.0	23189.8	19095.6	15878.9	6318.6	346.7	156.9	93.2
25.5°	26428.0	25557.4	24748.1	24037.7	23088.6	20051.5	16680.2	7783.7	402.4	171.6	93.2
22.5°	25233.4	24359.4	23588.7	23063.6	22637.3	20378.8	16451.7	8818.1	458.1	184.1	93.2
19.5°	24267.3	23472.8	22820.3	22424.8	22273.6	20300.4	15910.7	9721.7	520.6	195.5	94.3
17°	23388.7	22760.1	22265.7	22086.1	21979.2	20037.8	15595.9	10448.0	574.0	202.3	94.3
15°	22934.0	22389.6	22032.7	21940.6	21607.5	19732.1	15408.3	10969.7	605.8	209.1	94.3
13°	22632.8	22192.9	21948.5	21703.0	21158.6	19415.0	15316.2	11456.2	628.6	213.7	94.3
11°	22446.4	22105.4	21821.2	21362.0	20661.9	19180.8	15311.7	11865.4	639.9	218.2	95.5
9°	22502.1	22099.7	21636.0	20989.2	20264.0	18989.9	15359.4	12183.7	637.7	221.6	95.5
7°	22583.9	22122.4	21456.4	20640.3	19909.4	18878.5	15427.6	12440.5	625.2	225.1	95.5
5°	22658.9	22136.1	21366.6	20351.6	19615.0	18760.3	15515.2	12650.8	619.5	228.5	95.5
3°	22664.6	22115.6	21246.1	20066.3	19378.6	18676.1	15611.8	12817.9	613.8	230.7	95.5
1°	22579.4	21986.0	21066.5	19809.4	19203.6	18600.0	15712.9	12911.1	610.4	229.6	95.5
0°	22513.5	21856.5	20940.3	19693.4	19087.6	18548.8	15764.1	12935.0	601.3	227.3	95.5
-1°	22386.1	21754.2	20803.9	19623.0	19006.9	18473.8	15797.0	12914.5	596.7	226.2	95.5
-3°	22119.0	21459.8	20589.1	19443.4	18797.8	18314.7	15860.7	12872.5	600.1	223.9	95.5
-5°	21764.4	21162.0	20365.2	19242.2	18557.9	18112.4	15868.6	12759.9	608.1	222.8	95.5
-7°	21380.2	20819.9	20012.8	18941.0	18245.4	17816.8	15817.5	12587.2	596.7	222.8	95.5
-9°	20905.1	20325.4	19520.7	18553.4	17907.8	17482.7	15706.1	12353.0	592.2	223.9	95.5
-11°	20406.1	19793.5	19030.8	18168.1	17542.9	17136.0	15553.8	12081.4	592.2	222.8	96.6
-13°	19894.6	19259.2	18556.8	17788.4	17223.5	16734.8	15345.8	11751.7	587.6	225.1	95.5
-15°	19378.6	18735.3	18134.0	17436.1	16928.0	16384.7	15096.9	11344.8	585.4	228.5	95.5
-17°	18705.7	18151.0	17647.5	17068.9	16583.6	16065.3	14822.9	10889.0	579.7	230.7	95.5
-19.5°	17708.9	17234.9	16863.2	16492.7	16126.7	15644.7	14485.4	10237.7	564.9	231.9	95.5
-22.5°	17129.2	16643.8	16268.7	15940.3	15652.7	15266.2	14106.9	9375.0	539.9	231.9	95.5
-25.5°	16543.8	16103.9	15708.4	15369.7	15170.7	14921.8	13795.4	8416.8	520.6	228.5	95.5
-29°	15635.6	15306.0	14938.9	14595.6	14438.8	14294.4	13338.5	7168.8	509.2	221.6	95.5
-33°	14724.0	14387.6	14000.0	13597.6	13435.1	13362.4	12231.4	5542.3	508.1	209.1	95.5
-37.5°	14000.0	13644.2	13191.9	12704.2	12299.6	11988.2	10476.4	4121.5	499.0	189.8	95.5
-42.5°	12691.7	12465.5	11898.4	11510.8	10728.8	9518.2	7412.0	2673.4	458.1	159.1	94.3
-47.5°	8483.9	8215.6	8020.1	7770.1	7069.9	5499.1	3774.8	990.0	414.9	125.0	94.3
-55°	2334.7	2183.5	2302.8	2005.0	1595.8	1173.0	985.5	366.0	323.9	108.0	93.2
-65°	1512.9	1561.7	1146.9	713.8	445.6	336.4	481.9	217.1	165.9	98.9	92.1
-75°	184.1	162.5	129.6	143.2	152.3	138.7	128.4	93.2	92.1	92.1	90.9
-85°	75.0	72.7	70.5	69.3	67.1	65.9	67.1	70.5	79.6	87.5	88.7
-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)