

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: P571675

Luminaire Tested: **UFLD-L-CA4-250-740-U-66-TS2HW_NFFLD**

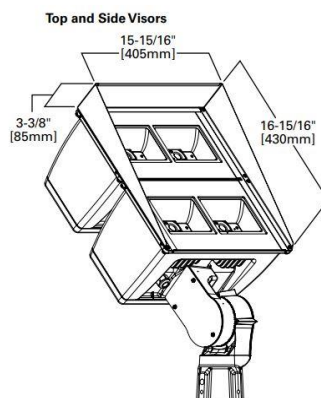
Issue Date: 9/21/2021

Test Information

Test Method: LM-79-08
Report Number: P571675
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-CA4-250-740-U-66-TS2HW_NFFLD
Description: FLOOD LIGHT LARGE, 6x6 OPTIC WITH TOP AND SIDE VISOR
Light Source: (4) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

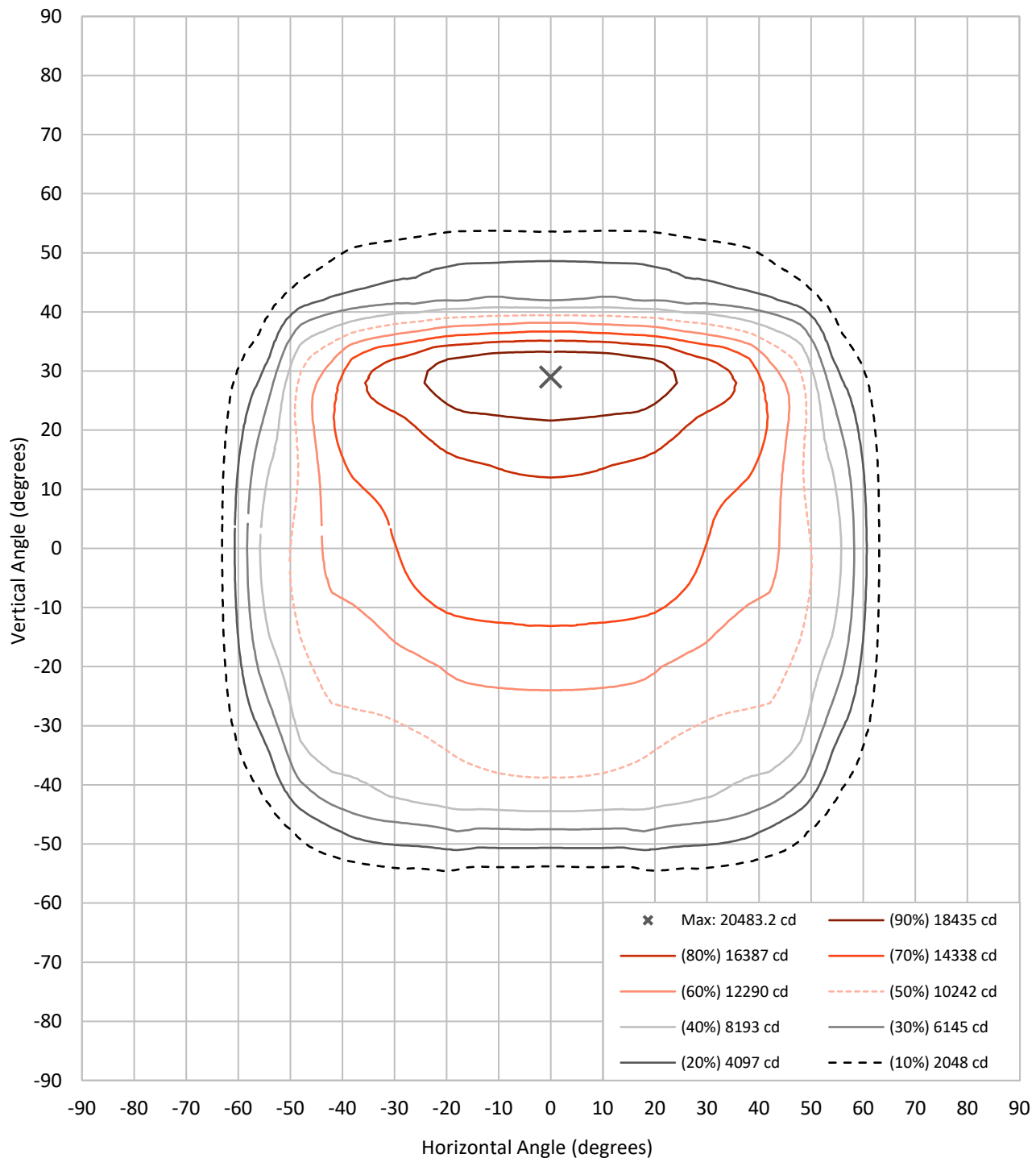
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	35600 lumens	Max Intensity:	20483.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	141.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.33' x L: 1.42' x H: 0')		
Beam Angle (50%):	96.7°H x 78.2°V	Field Angle (10%):	121.2°H x 107.4°V
Beam Lumens:	25845.4 lumens	Field Lumens:	34605.2 lumens
Beam Efficiency:	72.6%	Field Efficiency:	97.2%
Input Watts (W):	251.3		
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: P571675

CATALOG NUMBER: UFLD-L-CA4-250-740-U-66-TS2HW_NFFLD

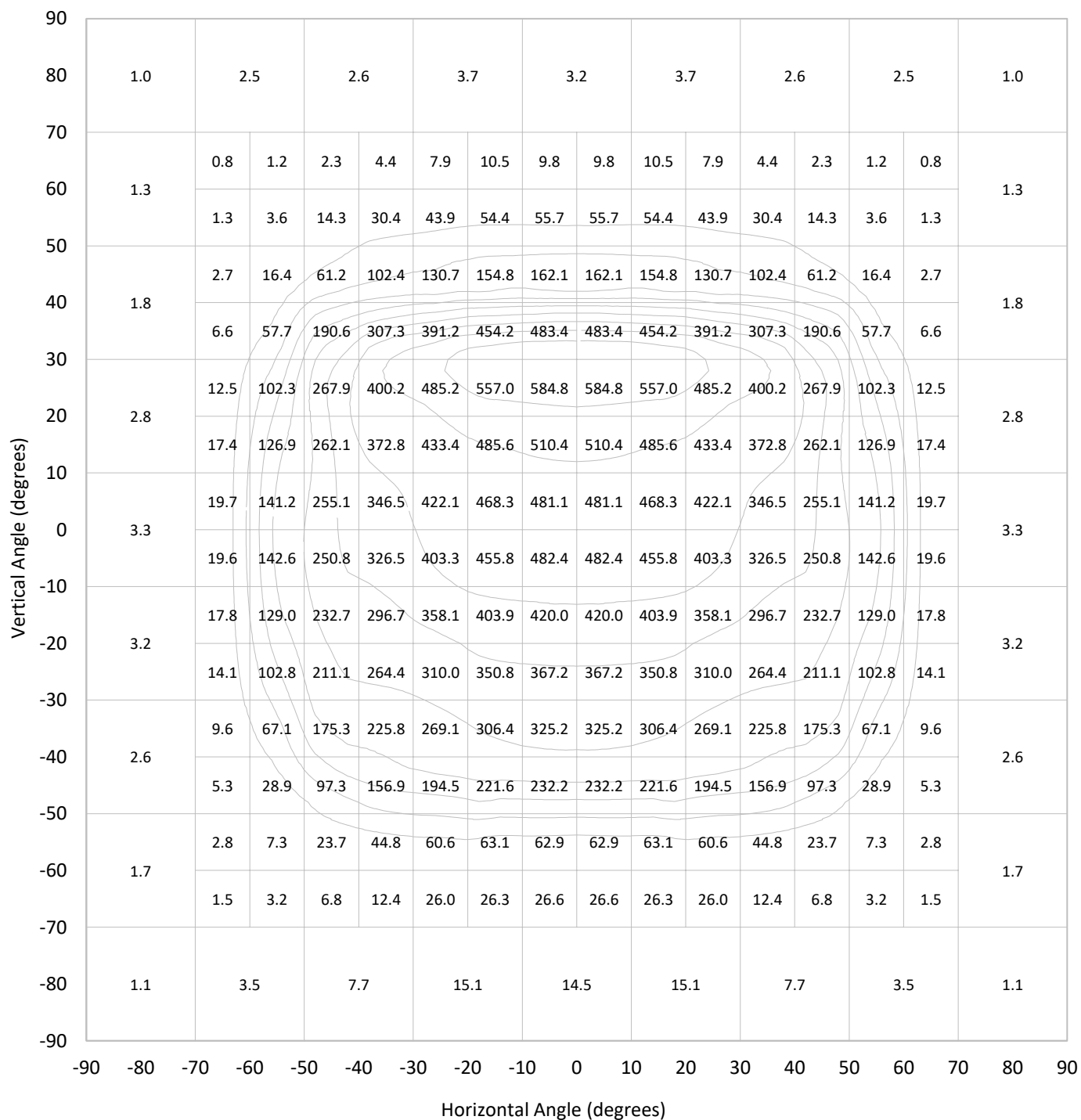
Iso-Candela Plot



REPORT NUMBER: P571675

CATALOG NUMBER: UFLD-L-CA4-250-740-U-66-TS2HW_NFFLD

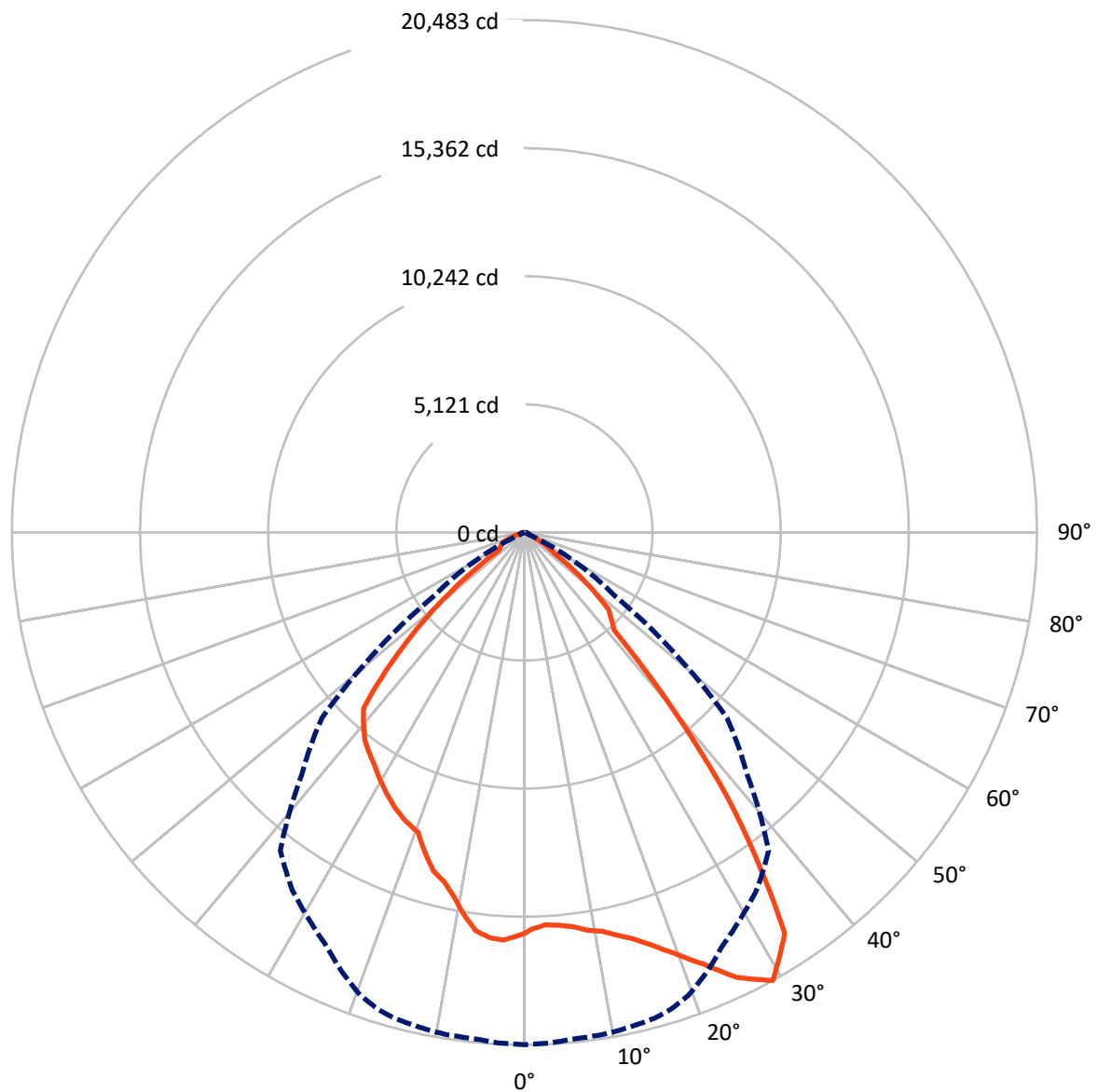
Lumen Table



REPORT NUMBER: P571675

CATALOG NUMBER: UFLD-L-CA4-250-740-U-66-TS2HW_NFFLD

Luminous Intensity Polar Plot



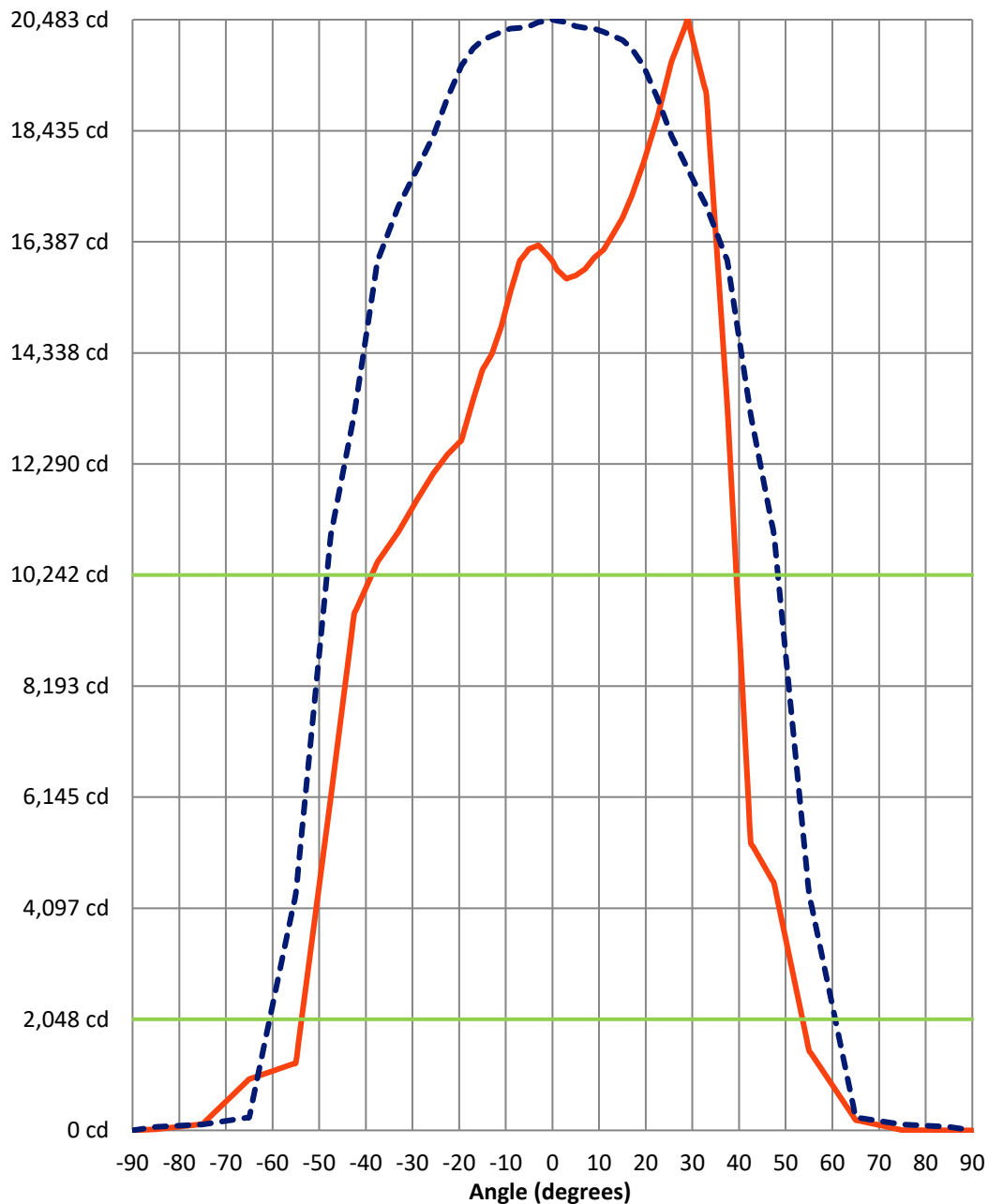
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 29-Deg

REPORT NUMBER: P571675

CATALOG NUMBER: UFLD-L-CA4-250-740-U-66-TS2HW_NFFLD

Luminous Intensity Plot



Beam:

H Angle: 96.7°

V Angle: 78.2°

Lumens: 25845.4

Efficiency: 72.6%

Field:

H Angle: 121.2°

V Angle: 107.4°

Lumens: 34605.2

Efficiency: 97.2%

Spill:

Lumens: 994.8

Efficiency: 2.8%

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

REPORT NUMBER: P571675

CATALOG NUMBER: UFLD-L-CA4-250-740-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	9.4	21.2	26.7	29.1	31.4	33.8	35.4	35.4	34.6	33.0
75°	3.9	5.5	12.6	16.5	18.9	20.4	22.0	21.2	22.0	20.4	20.4
65°	190.9	190.9	190.1	184.6	173.6	161.9	155.6	172.1	215.3	256.1	265.6
55°	1475.5	1457.5	1454.3	1517.2	1518.0	1564.3	1567.5	1580.0	1543.1	1569.0	1521.1
47.5°	4556.3	4559.4	4531.9	4513.9	4488.7	4436.9	4400.7	4374.8	4370.9	4337.1	4196.4
42.5°	5309.0	5316.8	5389.9	5433.1	5555.7	5702.6	5818.1	5680.6	5558.8	5287.8	5372.6
37.5°	13327.1	13338.9	13324.7	13296.4	12995.5	12916.9	12856.4	12678.1	12594.0	12559.4	12414.1
33°	19100.4	19173.5	19131.1	19072.9	19113.8	19071.3	18981.8	18799.5	18471.8	18305.3	18080.6
29°	20483.2	20462.8	20436.1	20362.2	20332.4	20317.5	20256.2	20183.1	20106.9	19951.3	19634.7
25.5°	19704.6	19638.6	19641.8	19571.8	19518.4	19506.6	19447.7	19363.6	19291.3	19142.8	18812.1
22.5°	18677.7	18660.4	18625.8	18563.8	18530.0	18450.6	18383.1	18310.0	18290.3	18236.9	17980.8
19.5°	17837.0	17816.6	17816.6	17784.4	17738.0	17660.2	17562.0	17488.9	17444.9	17424.5	17239.1
17°	17232.0	17213.2	17206.9	17157.4	17116.5	17045.0	16944.4	16849.4	16777.9	16740.2	16605.8
15°	16826.6	16795.9	16791.2	16769.2	16726.0	16652.2	16553.2	16465.2	16403.1	16327.7	16192.5
13°	16530.4	16495.0	16488.7	16455.0	16411.0	16342.6	16262.5	16189.4	16138.3	16059.7	15939.5
11°	16244.4	16268.7	16248.3	16216.9	16167.4	16109.2	16050.3	16004.0	15962.3	15913.6	15829.5
9°	16097.5	16048.0	16051.1	16022.8	15989.8	15948.2	15907.3	15861.0	15857.0	15852.3	15786.3
7°	15884.5	15868.8	15892.4	15876.7	15830.3	15835.8	15802.0	15810.7	15835.0	15860.2	15868.0
5°	15765.9	15756.5	15765.1	15760.4	15743.9	15750.2	15746.2	15792.6	15866.5	15994.5	16107.7
3°	15707.7	15724.2	15721.9	15723.5	15759.6	15774.5	15813.0	15879.8	15971.7	16080.2	16094.3
1°	15871.2	15890.0	15899.5	15934.0	15995.3	15998.5	15997.7	16037.0	16054.2	16309.6	16293.9
0°	16033.0	16043.2	16047.2	16051.1	16074.7	16086.5	16051.9	16041.7	16014.2	16200.4	16107.7
-1°	16138.3	16161.9	16146.2	16170.5	16193.3	16136.0	16088.0	16030.7	15993.7	16090.4	15903.4
-3°	16321.4	16304.1	16264.8	16260.9	16265.6	16174.5	16051.1	15987.5	15878.2	15823.2	15747.8
-5°	16254.6	16248.3	16202.0	16175.2	16121.8	15974.9	15853.9	15752.5	15636.2	15464.2	15351.8
-7°	16033.8	15955.2	15934.8	15891.6	15732.1	15604.0	15459.5	15343.2	15182.1	15083.9	15003.8
-9°	15464.2	15427.3	15436.7	15380.1	15190.0	15083.1	14984.1	14886.7	14789.3	14717.0	14663.6
-11°	14814.4	14747.6	14798.7	14750.0	14655.7	14610.1	14577.9	14523.7	14487.6	14440.4	14380.7
-13°	14316.3	14284.8	14327.3	14303.7	14253.4	14255.8	14247.1	14222.8	14200.8	14141.8	14036.6
-15°	14023.2	13985.5	14001.2	14009.1	13988.6	13981.6	13974.5	13948.6	13910.8	13837.8	13707.4
-17°	13472.4	13411.1	13433.1	13434.7	13430.8	13409.6	13442.6	13426.1	13419.0	13368.7	13249.3
-19.5°	12727.6	12702.4	12700.1	12704.0	12715.0	12718.9	12736.2	12735.4	12727.6	12666.3	12543.7
-22.5°	12463.6	12459.7	12445.5	12455.7	12449.4	12441.6	12436.9	12414.9	12363.8	12308.0	12162.7
-25.5°	12118.7	12111.6	12132.8	12111.6	12079.4	12062.1	12019.7	11974.1	11925.4	11887.7	11737.6
-29°	11632.3	11628.4	11611.1	11597.0	11548.2	11497.2	11428.0	11381.7	11285.0	11223.7	11044.6
-33°	11039.9	11021.0	10993.5	10973.1	10944.0	10896.9	10852.1	10768.8	10675.3	10584.2	10413.7
-37.5°	10480.5	10503.3	10482.0	10477.3	10440.4	10385.4	10320.2	10242.4	10155.2	10057.8	9902.2
-42.5°	9518.0	9520.3	9514.8	9476.3	9404.1	9342.8	9268.9	9224.1	9198.2	9142.4	8994.7
-47.5°	6143.4	6156.8	6158.3	6174.8	6141.8	6115.9	6094.7	6068.0	6058.5	6522.9	6178.0
-55°	1243.0	1248.5	1280.7	1334.9	1365.5	1381.3	1343.5	1310.6	1312.1	1453.5	1646.8
-65°	944.4	939.7	936.6	929.5	924.0	914.6	923.2	933.4	927.1	944.4	964.8
-75°	115.5	116.3	117.1	116.3	106.1	116.3	129.6	124.9	131.2	135.9	135.1
-85°	19.6	18.9	25.9	32.2	35.4	41.6	47.1	51.1	52.6	53.4	53.4
-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: P571675

CATALOG NUMBER: UFLD-L-CA4-250-740-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°	30.6	29.1	27.5	26.7	27.5	29.9	33.8	40.1	51.1	55.8	59.7
75°	19.6	19.6	21.2	27.5	28.3	32.2	36.1	41.6	51.9	56.6	60.5
65°	211.4	126.5	91.9	77.8	62.9	54.2	54.2	58.9	62.1	60.5	61.3
55°	1419.0	1277.6	1153.4	1065.4	835.2	563.3	383.4	131.2	92.7	65.2	62.1
47.5°	4036.9	3794.2	3576.5	3347.9	3137.3	2256.5	1472.4	278.9	135.1	70.7	62.9
42.5°	5404.8	4671.0	4940.5	4685.9	4334.7	3930.1	3026.5	1008.1	154.0	79.4	62.9
37.5°	11838.2	11372.2	10957.4	10206.3	9277.6	7877.4	6695.0	1980.0	168.9	88.8	63.6
33°	17767.1	16891.0	16152.5	15649.6	14351.6	11371.5	9593.4	3011.6	201.1	99.0	64.4
29°	19039.1	18347.7	17727.8	17043.4	16029.9	13199.8	10976.3	4367.7	239.6	108.4	64.4
25.5°	18268.4	17666.5	17107.1	16616.0	15960.0	13860.6	11530.2	5380.5	278.1	118.6	64.4
22.5°	17442.6	16838.4	16305.7	15942.7	15648.0	14086.8	11372.2	6095.5	316.6	127.3	64.4
19.5°	16774.7	16225.5	15774.5	15501.1	15396.6	14032.6	10998.3	6720.1	359.9	135.1	65.2
17°	16167.4	15732.9	15391.1	15267.0	15193.1	13851.1	10780.6	7222.2	396.8	139.9	65.2
15°	15853.1	15476.8	15230.0	15166.4	14936.2	13639.8	10651.0	7582.8	418.8	144.6	65.2
13°	15644.9	15340.8	15171.9	15002.2	14625.8	13420.6	10587.3	7919.1	434.5	147.7	65.2
11°	15516.0	15280.3	15083.9	14766.5	14282.5	13258.7	10584.2	8201.9	442.4	150.9	66.0
9°	15554.5	15276.4	14955.8	14508.8	14007.5	13126.7	10617.2	8421.9	440.8	153.2	66.0
7°	15611.1	15292.1	14831.7	14267.6	13762.4	13049.7	10664.3	8599.5	432.1	155.6	66.0
5°	15663.0	15301.5	14769.6	14068.0	13558.9	12968.0	10724.8	8744.9	428.2	157.9	66.0
3°	15666.9	15287.4	14686.3	13870.8	13395.4	12909.9	10791.6	8860.4	424.3	159.5	66.0
1°	15608.0	15197.8	14562.2	13693.2	13274.4	12857.2	10861.5	8924.8	421.9	158.7	66.0
0°	15562.4	15108.3	14475.0	13613.1	13194.3	12821.9	10896.9	8941.3	415.6	157.1	66.0
-1°	15474.4	15037.5	14380.7	13564.4	13138.5	12770.0	10919.7	8927.1	412.5	156.4	66.0
-3°	15289.8	14834.0	14232.2	13440.2	12993.9	12660.0	10963.7	8898.1	414.9	154.8	66.0
-5°	15044.6	14628.2	14077.4	13301.1	12828.2	12520.2	10969.2	8820.3	420.4	154.0	66.0
-7°	14779.0	14391.7	13833.8	13092.9	12612.1	12315.9	10933.8	8700.9	412.5	154.0	66.0
-9°	14450.6	14049.9	13493.6	12825.0	12378.7	12084.9	10856.8	8539.0	409.4	154.8	66.0
-11°	14105.7	13682.2	13155.0	12558.7	12126.5	11845.2	10751.5	8351.2	409.4	154.0	66.8
-13°	13752.1	13312.9	12827.4	12296.2	11905.7	11567.9	10607.8	8123.4	406.2	155.6	66.0
-15°	13395.4	12950.7	12535.1	12052.7	11701.5	11325.9	10435.7	7842.1	404.6	157.9	66.0
-17°	12930.3	12546.9	12198.8	11798.9	11463.4	11105.1	10246.3	7527.0	400.7	159.5	66.0
-19.5°	12241.2	11913.6	11656.7	11400.5	11147.5	10814.4	10013.0	7076.8	390.5	160.3	66.0
-22.5°	11840.5	11505.0	11245.7	11018.7	10819.9	10552.8	9751.3	6480.5	373.2	160.3	66.0
-25.5°	11435.9	11131.8	10858.4	10624.3	10486.8	10314.7	9536.1	5818.1	359.9	157.9	66.0
-29°	10808.1	10580.3	10326.5	10089.2	9980.8	9881.0	9220.2	4955.4	352.0	153.2	66.0
-33°	10178.0	9945.4	9677.5	9399.3	9287.0	9236.7	8454.9	3831.1	351.2	144.6	66.0
-37.5°	9677.5	9431.6	9118.9	8781.8	8502.1	8286.8	7241.8	2849.0	344.9	131.2	66.0
-42.5°	8773.1	8616.8	8224.7	7956.8	7416.2	6579.5	5123.6	1848.0	316.6	110.0	65.2
-47.5°	5864.5	5679.1	5543.9	5371.1	4887.1	3801.2	2609.3	684.3	286.8	86.4	65.2
-55°	1613.8	1509.3	1591.8	1386.0	1103.1	810.8	681.2	253.0	223.9	74.6	64.4
-65°	1045.8	1079.6	792.8	493.4	308.0	232.6	333.1	150.1	114.7	68.4	63.6
-75°	127.3	112.4	89.6	99.0	105.3	95.9	88.8	64.4	63.6	63.6	62.9
-85°	51.9	50.3	48.7	47.9	46.4	45.6	46.4	48.7	55.0	60.5	61.3
-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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CATALOG NUMBER: UFLD-L-CA4-250-740-U-66-TS2HW_NFFLD

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)