

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: P507781

Luminaire Tested: **UFLD-CA2-150-750-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507781
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-110-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UFLD-CA2-150-750-U-66
Description: UTILITY FLOOD, 6x6 OPTIC
Light Source: (2) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

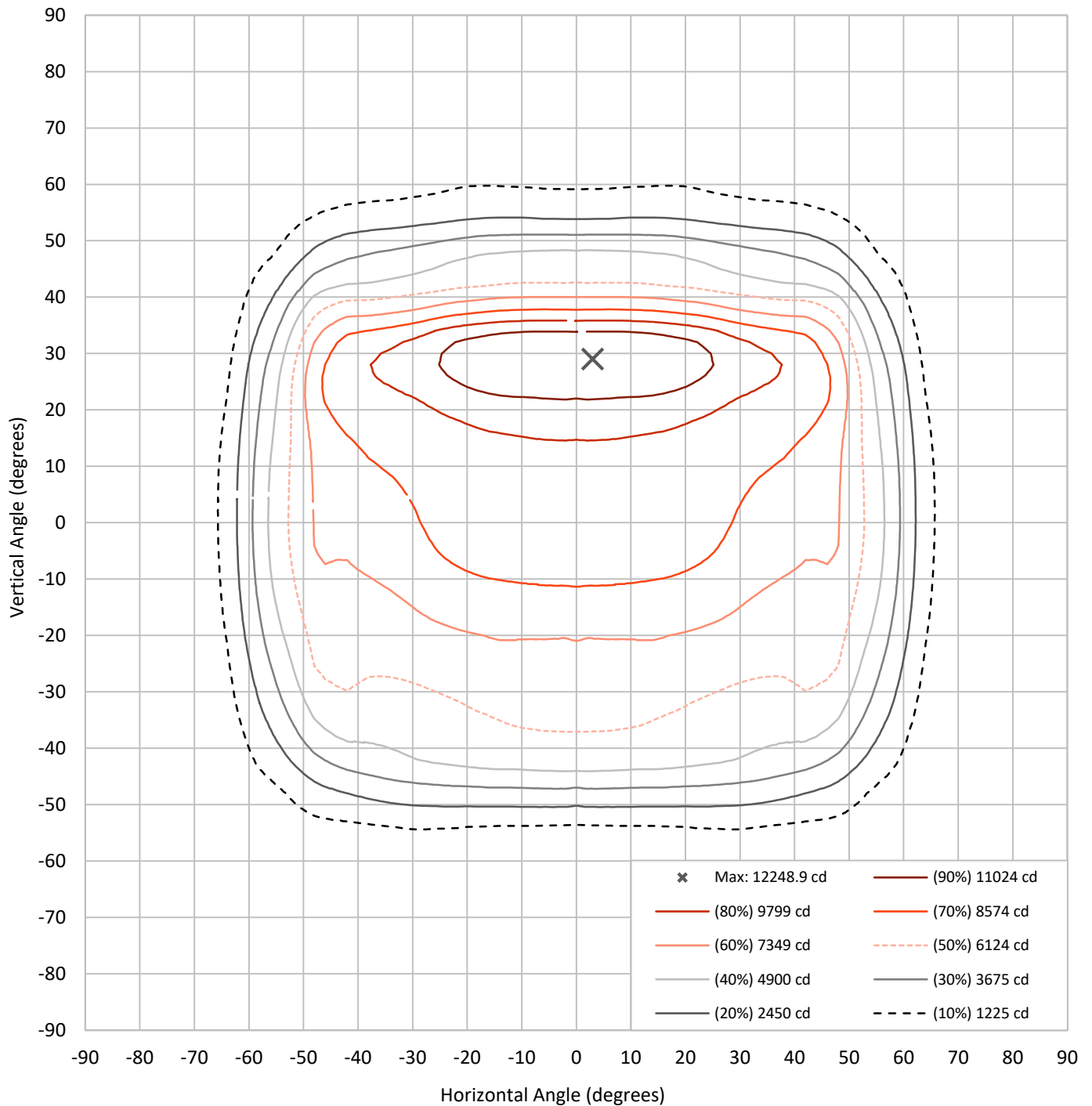
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	22952 lumens	Max Intensity:	12248.9 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	151.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.25' x L: 0.67' x H: 0')		
Beam Angle (50%):	102.9°H x 79.4°V	Field Angle (10%):	126.5°H x 112.9°V
Beam Lumens:	17053.3 lumens	Field Lumens:	22180.5 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%
Input Watts (W):	151.3		
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:	24 FT		



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Iso-Candela Plot

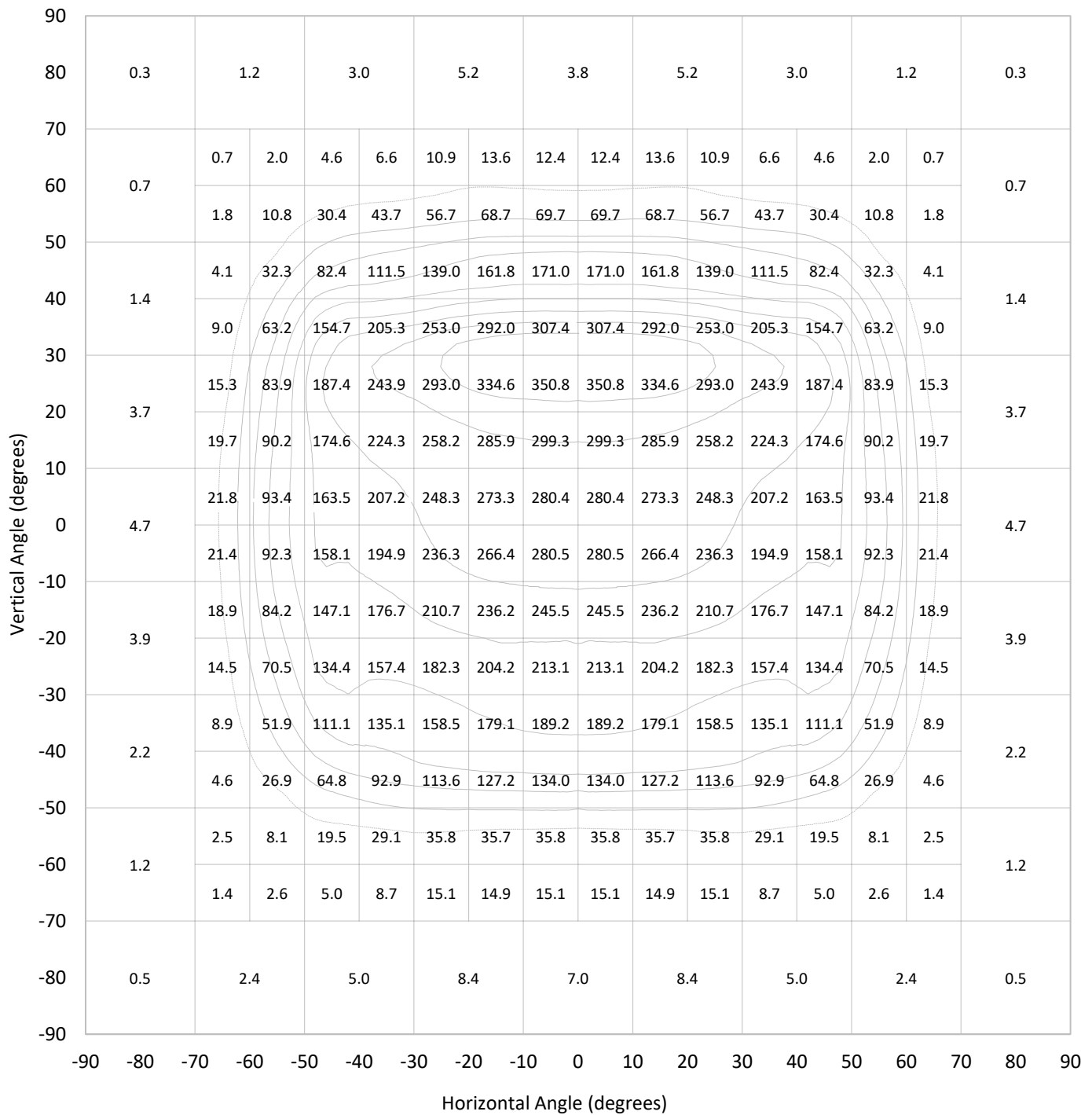




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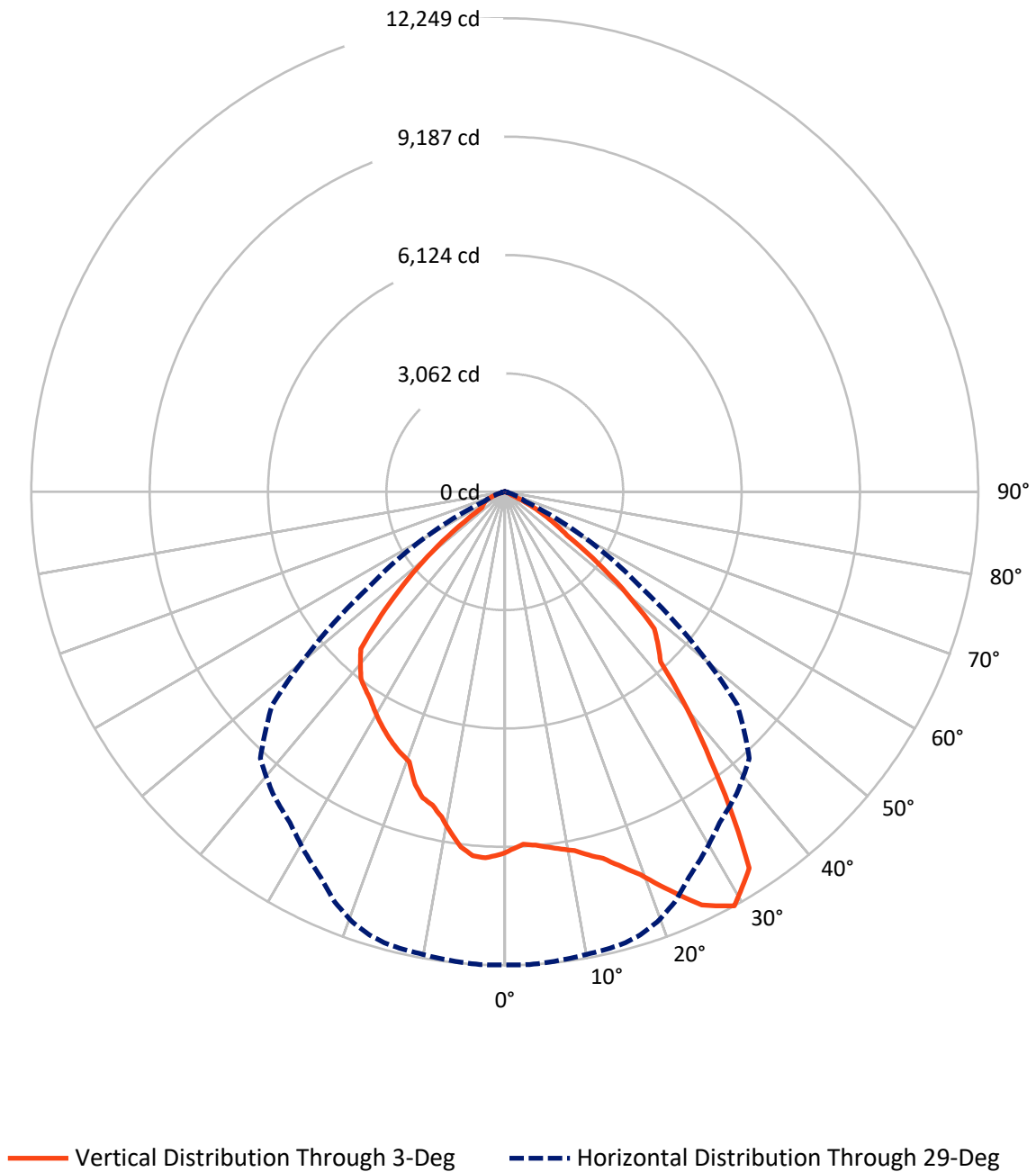
Lumen Table



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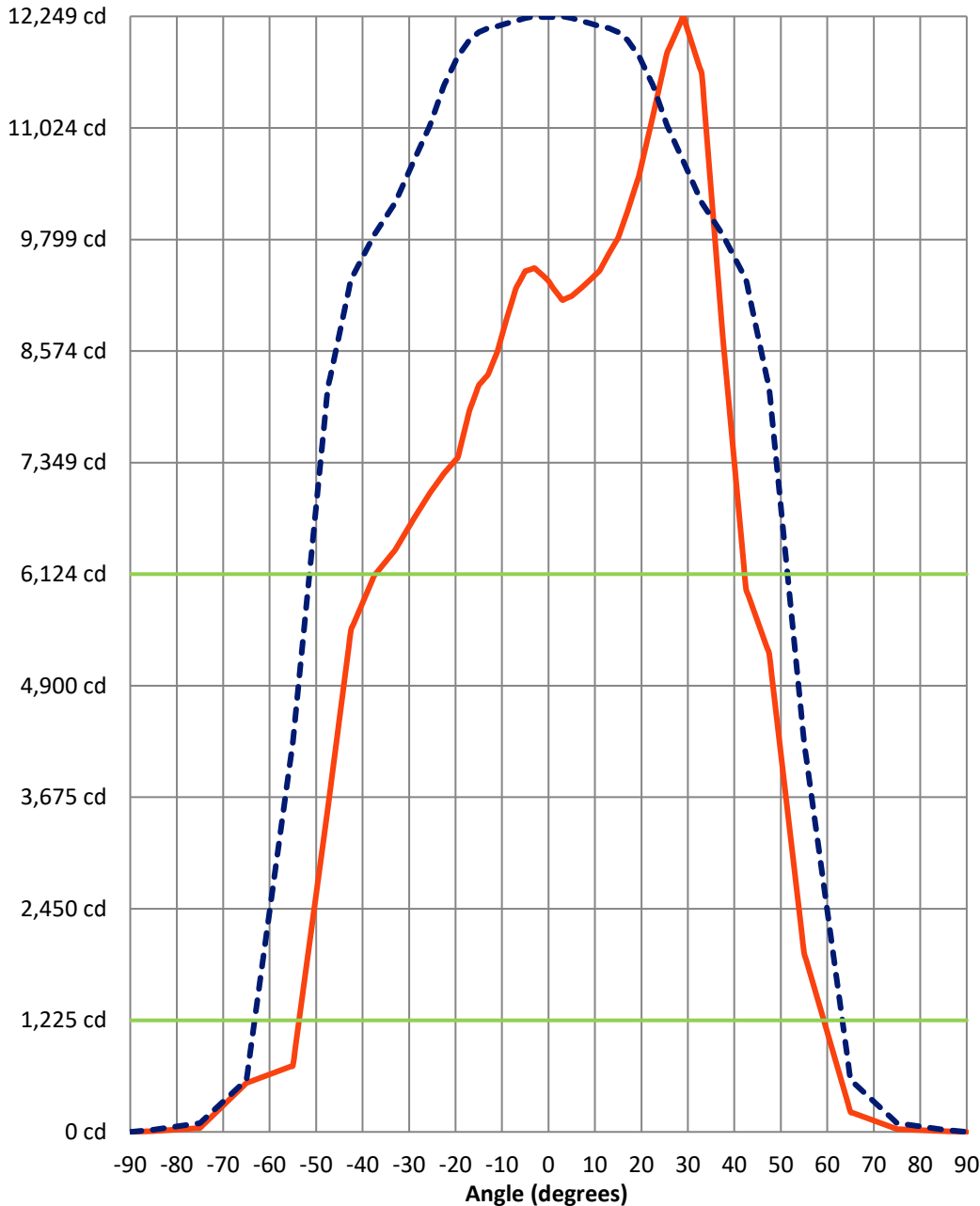
Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 102.9°
 V Angle: 79.4°
 Lumens: 17053.3
 Efficiency: 74.3%

Field:
 H Angle: 126.5°
 V Angle: 112.9°
 Lumens: 22180.5
 Efficiency: 96.6%

Spill:
 Lumens: 771.5
 Efficiency: 3.4%

— Vertical Distribution through 3-Deg
 - - - Horizontal Distribution through 29-Deg



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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°	0.5	3.9	8.2	19.4	25.2	29.6	32.5	33.9	34.4	34.4	33.0
75°	28.6	29.1	31.0	28.1	22.3	24.2	35.4	40.2	44.6	46.1	43.6
65°	221.1	219.7	218.2	216.7	210.4	201.2	197.8	217.2	266.7	318.1	343.3
55°	1929.9	1923.1	1968.7	1936.7	1999.7	2060.3	2082.1	2088.4	2095.7	2058.9	2008.9
47.5°	5232.0	5277.6	5249.0	5245.1	5212.1	5160.7	5129.7	5079.3	5035.1	5025.9	4875.1
42.5°	6003.5	5983.1	5964.2	6006.4	5982.1	6002.5	6000.1	5948.7	5912.8	5839.1	5765.4
37.5°	8700.9	8716.0	8734.9	8738.7	8750.4	8701.4	8667.5	8631.6	8562.7	8445.4	8277.1
33°	11617.1	11643.7	11611.7	11609.8	11635.5	11623.9	11573.9	11527.4	11425.1	11287.3	11131.2
29°	12242.1	12240.6	12248.9	12229.5	12199.9	12171.3	12140.3	12119.4	12074.8	11989.0	11810.1
25.5°	11826.1	11832.8	11846.9	11835.8	11798.4	11777.6	11750.9	11714.5	11636.9	11544.8	11392.6
22.5°	11129.3	11182.6	11161.8	11147.7	11115.7	11064.8	11075.0	11040.5	10980.4	10886.3	10726.3
19.5°	10482.4	10509.1	10503.8	10465.0	10445.1	10403.4	10384.0	10358.8	10307.9	10249.7	10140.6
17°	10068.3	10117.8	10107.1	10083.4	10052.3	10024.7	9989.8	9968.4	9926.7	9862.7	9730.3
15°	9822.5	9844.8	9818.6	9813.8	9818.1	9763.3	9741.0	9686.7	9673.6	9619.8	9502.9
13°	9614.9	9626.1	9643.6	9615.9	9611.1	9591.7	9545.1	9522.3	9476.8	9454.9	9370.6
11°	9452.0	9528.1	9456.4	9476.3	9454.0	9451.1	9424.9	9412.3	9378.3	9344.9	9293.0
9°	9367.2	9380.3	9357.5	9356.5	9346.3	9327.9	9321.6	9320.6	9313.8	9295.4	9263.4
7°	9263.4	9274.6	9263.9	9253.2	9245.5	9237.7	9259.5	9266.8	9298.3	9272.1	9241.6
5°	9192.6	9181.9	9178.1	9176.1	9195.5	9195.5	9238.2	9262.4	9292.0	9300.2	9260.5
3°	9132.0	9145.1	9133.4	9147.5	9185.8	9206.2	9263.4	9298.8	9318.2	9318.7	9302.7
1°	9226.1	9258.1	9264.4	9274.1	9288.1	9300.7	9343.4	9374.9	9354.1	9355.0	9290.1
0°	9314.3	9326.9	9343.4	9332.3	9350.7	9361.8	9392.4	9398.7	9390.4	9353.6	9266.3
-1°	9406.9	9404.0	9394.8	9392.9	9397.2	9384.1	9401.1	9380.3	9355.5	9322.6	9240.6
-3°	9473.4	9497.6	9484.5	9469.5	9422.0	9422.0	9403.0	9325.5	9292.0	9257.6	9142.2
-5°	9417.6	9448.6	9450.6	9402.6	9328.9	9309.5	9249.3	9202.8	9144.6	9088.4	8972.0
-7°	9293.5	9277.0	9262.4	9200.4	9151.9	9106.3	9026.3	8945.3	8930.3	8876.9	8774.6
-9°	8951.1	8962.8	8928.3	8911.9	8858.5	8799.4	8776.1	8718.4	8687.8	8640.3	8546.2
-11°	8611.2	8564.7	8568.1	8579.7	8541.9	8542.4	8517.1	8482.2	8477.9	8432.8	8353.3
-13°	8343.1	8339.7	8316.9	8336.3	8329.0	8330.0	8306.2	8301.9	8293.6	8262.6	8155.4
-15°	8166.1	8194.7	8197.6	8181.1	8185.0	8175.8	8167.1	8146.2	8139.9	8090.9	7978.9
-17°	7908.6	7918.3	7920.7	7919.3	7907.2	7916.8	7927.5	7919.3	7888.7	7851.4	7761.2
-19.5°	7432.4	7393.6	7407.2	7420.8	7424.7	7424.2	7439.7	7465.9	7441.7	7392.7	7318.0
-22.5°	7262.7	7254.5	7229.3	7237.5	7233.6	7221.5	7221.5	7223.5	7209.4	7158.0	7056.2
-25.5°	7008.2	7019.8	7015.9	7010.6	7009.6	6987.8	6988.8	6992.2	6964.5	6907.8	6816.1
-29°	6727.4	6735.2	6732.3	6719.2	6701.2	6661.9	6645.5	6608.6	6559.6	6528.1	6453.9
-33°	6407.9	6388.5	6389.4	6387.5	6363.7	6340.9	6313.3	6267.2	6216.8	6177.5	6099.0
-37.5°	6106.7	6117.9	6107.7	6111.1	6097.5	6074.7	6050.0	6015.1	5965.6	5908.9	5830.8
-42.5°	5531.7	5523.4	5510.8	5483.2	5472.0	5419.2	5386.7	5387.6	5376.5	5333.3	5259.2
-47.5°	3434.0	3525.2	3546.0	3528.1	3510.6	3503.4	3466.5	3463.6	3466.5	3443.2	3386.0
-55°	709.4	707.0	727.3	741.9	771.9	783.6	789.4	768.1	791.8	840.8	864.6
-65°	546.5	544.5	536.8	536.3	529.0	526.1	525.6	520.8	524.2	538.7	555.2
-75°	42.7	42.7	43.2	38.3	35.4	39.8	51.9	55.8	61.6	59.2	65.9
-85°	1.5	4.4	8.7	20.4	26.2	30.1	33.0	34.4	34.4	33.9	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



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CATALOG NUMBER: UFLD-CA2-150-750-U-66

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°	30.5	28.6	27.2	25.2	21.8	18.4	16.0	13.6	15.5	13.6	16.5
75°	39.3	39.8	49.9	62.6	56.2	37.8	26.2	21.8	28.6	16.5	17.9
65°	299.2	193.0	119.8	90.2	73.2	62.1	76.1	57.7	53.3	26.7	18.9
55°	1885.3	1759.7	1667.5	1550.2	1511.9	1403.8	1135.6	462.1	84.9	43.2	20.4
47.5°	4711.7	4500.8	4262.7	3996.0	3766.2	3448.1	2825.0	1236.0	101.8	55.8	21.8
42.5°	5636.9	5396.9	5252.8	5058.4	4843.1	4771.8	4297.1	2128.7	104.7	63.5	22.3
37.5°	8133.1	7864.5	7494.5	7208.9	6982.9	6950.5	6060.7	3004.9	166.8	73.2	23.3
33°	10831.5	10437.8	9927.7	9486.9	9102.9	8758.1	7426.1	3710.4	388.4	84.4	23.8
29°	11489.1	11053.6	10660.4	10202.6	9849.6	9359.9	8158.3	4283.5	571.2	96.5	24.2
25.5°	11081.3	10754.9	10372.3	10012.6	9748.3	9406.4	8474.5	4604.1	719.1	107.6	24.7
22.5°	10479.5	10192.9	9874.8	9646.0	9502.4	9238.2	8450.2	4781.5	836.9	117.3	25.2
19.5°	9951.0	9751.2	9494.2	9352.6	9290.6	8972.9	8206.3	4959.5	943.1	127.5	25.7
17°	9585.4	9413.2	9243.5	9176.6	9114.5	8704.3	7984.2	5084.1	1029.9	132.9	26.2
15°	9371.5	9246.9	9125.2	9077.2	8960.3	8468.2	7836.4	5167.0	1090.5	137.2	26.7
13°	9269.2	9187.3	9078.7	8987.5	8788.2	8254.8	7727.3	5264.5	1140.0	141.1	26.7
11°	9213.0	9136.8	8991.4	8856.6	8576.3	8066.2	7662.8	5348.4	1180.7	143.0	27.2
9°	9181.0	9089.3	8911.9	8674.3	8403.2	7902.3	7624.5	5409.0	1214.7	144.0	27.6
7°	9191.1	9040.8	8809.5	8536.5	8245.6	7801.4	7591.0	5453.1	1237.9	143.5	28.1
5°	9187.8	8991.9	8725.7	8445.9	8123.9	7707.4	7565.3	5488.0	1248.6	142.1	28.6
3°	9169.8	8967.6	8650.5	8313.5	8015.3	7632.2	7553.7	5510.3	1258.3	140.6	28.6
1°	9141.2	8908.9	8554.0	8238.8	7939.2	7561.4	7541.1	5519.5	1255.9	139.2	28.6
0°	9112.6	8880.8	8522.5	8200.0	7904.2	7523.1	7522.6	5542.8	1251.5	138.2	28.6
-1°	9066.0	8820.2	8467.2	8142.3	7858.7	7529.9	7523.6	5522.0	1246.7	136.7	29.1
-3°	8938.5	8708.7	8376.0	8056.0	7775.3	7480.4	7507.1	5501.6	1237.9	135.3	29.6
-5°	8794.0	8571.5	8273.2	7955.6	7678.8	7406.3	7469.3	5444.4	1217.6	134.3	29.6
-7°	8610.2	8443.0	8124.4	7816.0	7553.7	7300.6	7398.0	5389.1	1195.3	133.3	30.1
-9°	8422.1	8247.1	7963.4	7656.5	7415.5	7212.8	7300.6	5303.3	1165.7	132.4	30.1
-11°	8230.1	8049.7	7766.5	7481.4	7251.6	7075.1	7197.8	5207.3	1132.7	132.4	30.5
-13°	8000.3	7835.4	7578.4	7321.9	7101.3	6970.8	7087.2	5086.0	1092.5	132.9	30.5
-15°	7823.3	7647.2	7400.9	7160.9	6960.6	6863.7	6958.2	4931.4	1054.2	133.8	31.0
-17°	7612.3	7460.1	7235.1	7011.1	6830.2	6760.4	6829.2	4774.7	1004.7	134.3	31.0
-19.5°	7200.7	7062.0	6919.4	6772.0	6653.2	6630.9	6664.4	4569.1	937.8	135.3	31.0
-22.5°	6923.8	6783.2	6628.0	6513.6	6432.1	6508.7	6466.5	4284.0	842.7	136.7	31.0
-25.5°	6696.9	6567.4	6412.2	6302.2	6255.6	6423.4	6284.7	3975.6	736.6	136.7	31.0
-29°	6346.8	6233.8	6094.6	5990.4	5965.2	6226.5	5932.2	3619.2	611.5	134.8	31.0
-33°	5963.2	5836.2	5695.6	5584.5	5537.5	5889.5	5350.8	3192.1	455.3	129.5	31.0
-37.5°	5718.8	5576.8	5419.7	5245.1	5138.9	5186.9	4573.5	2579.1	264.8	120.3	30.5
-42.5°	5127.7	5040.5	4847.0	4658.4	4380.0	4046.9	3410.3	1849.9	202.2	109.1	30.5
-47.5°	3390.4	3326.4	3264.3	3145.5	2880.3	2534.1	2129.7	1024.6	192.5	95.5	30.1
-55°	936.8	949.9	1006.2	937.3	819.5	718.1	696.8	312.8	177.0	73.2	28.6
-65°	588.2	596.4	486.3	344.3	232.7	178.0	180.4	119.8	117.8	42.7	26.7
-75°	71.8	72.2	60.6	57.7	58.2	66.4	69.3	57.7	46.5	24.2	24.7
-85°	32.5	32.0	31.0	30.1	29.6	28.1	26.2	23.8	21.8	22.3	22.3
-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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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)