

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: P507772

Luminaire Tested: **UFLD-CA2-120-727-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507772
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-281-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UFLD-CA2-120-727-U-66
Description: UTILITY FLOOD, 6x6 OPTIC
Light Source: (2) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

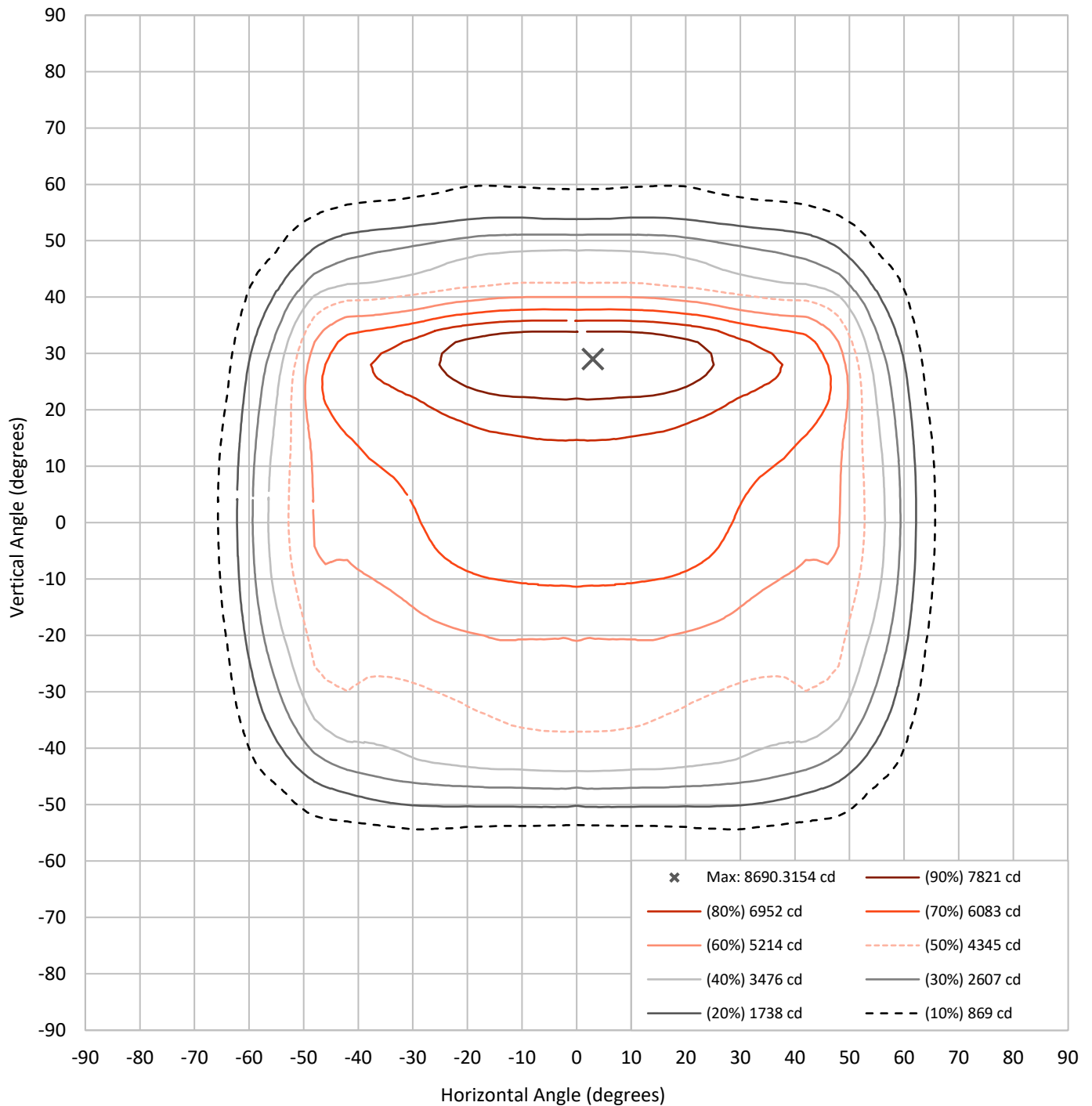
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	16284 lumens	Max Intensity:	8690.3 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	131.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.25' x L: 0.67' x H: 0')		
Beam Angle (50%):	102.9°H x 79.4°V	Field Angle (10%):	126.5°H x 112.9°V
Beam Lumens:	12099 lumens	Field Lumens:	15736.6 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%
Input Watts (W):	123.9		
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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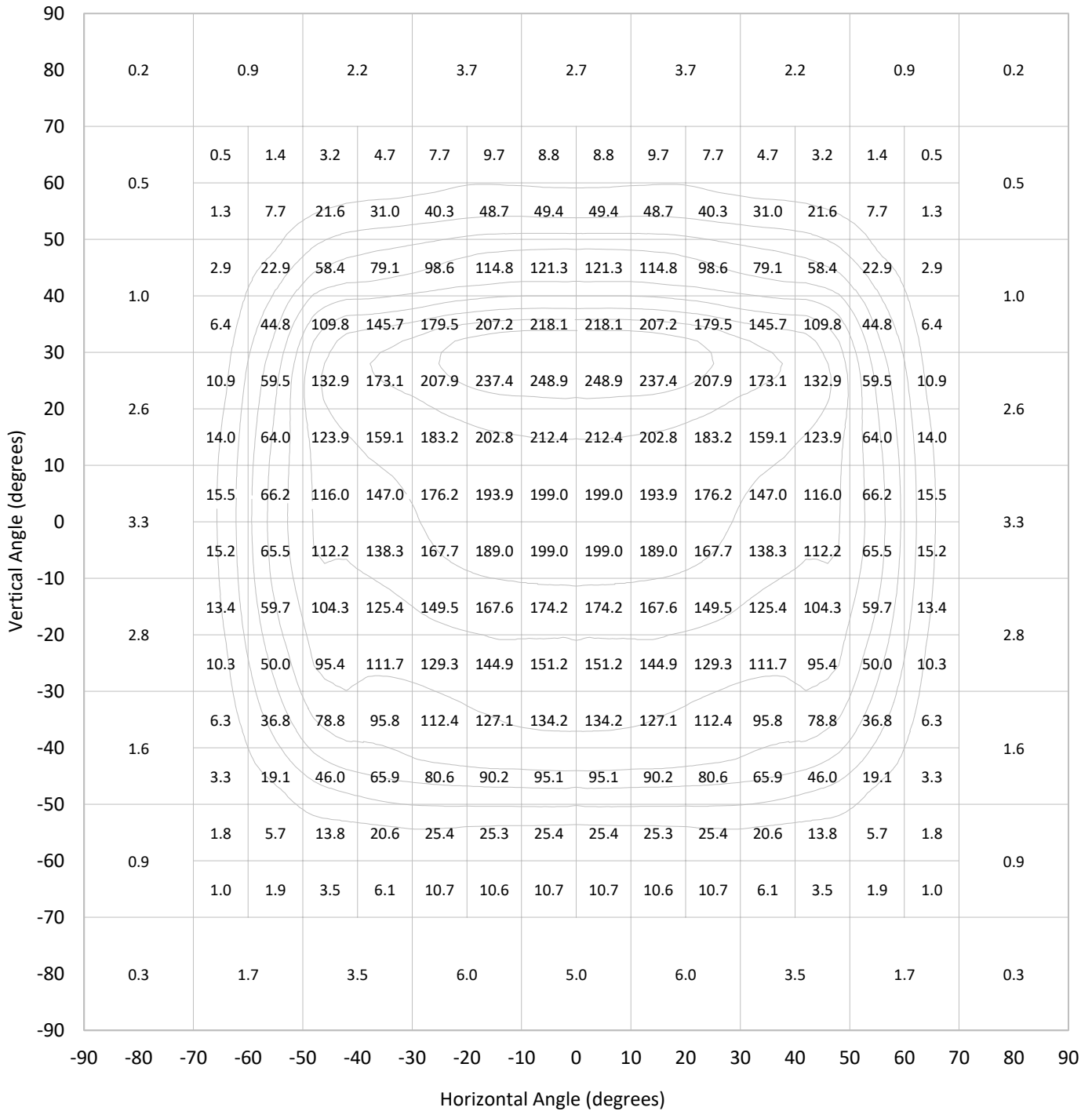
Iso-Candela Plot





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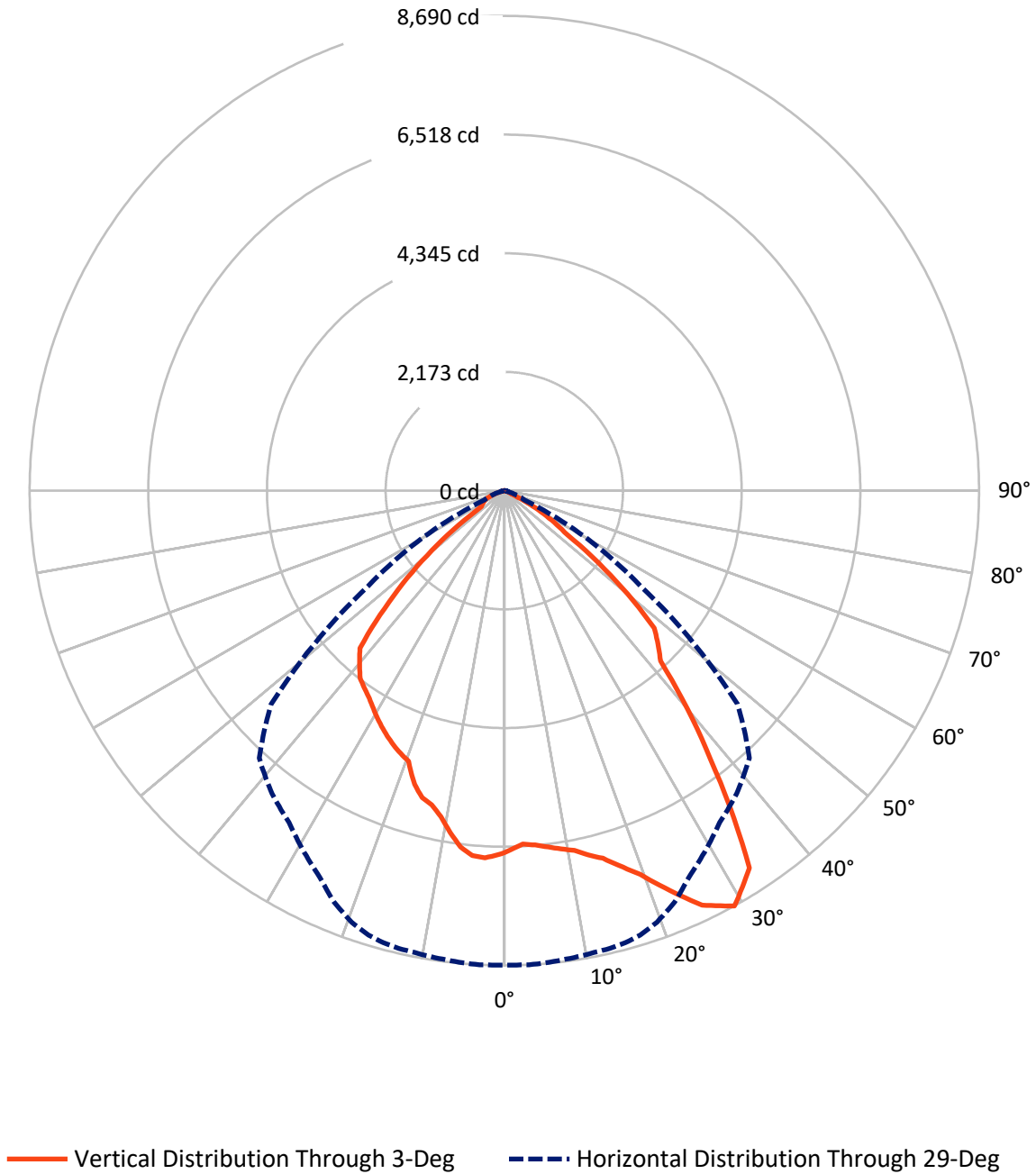
Lumen Table



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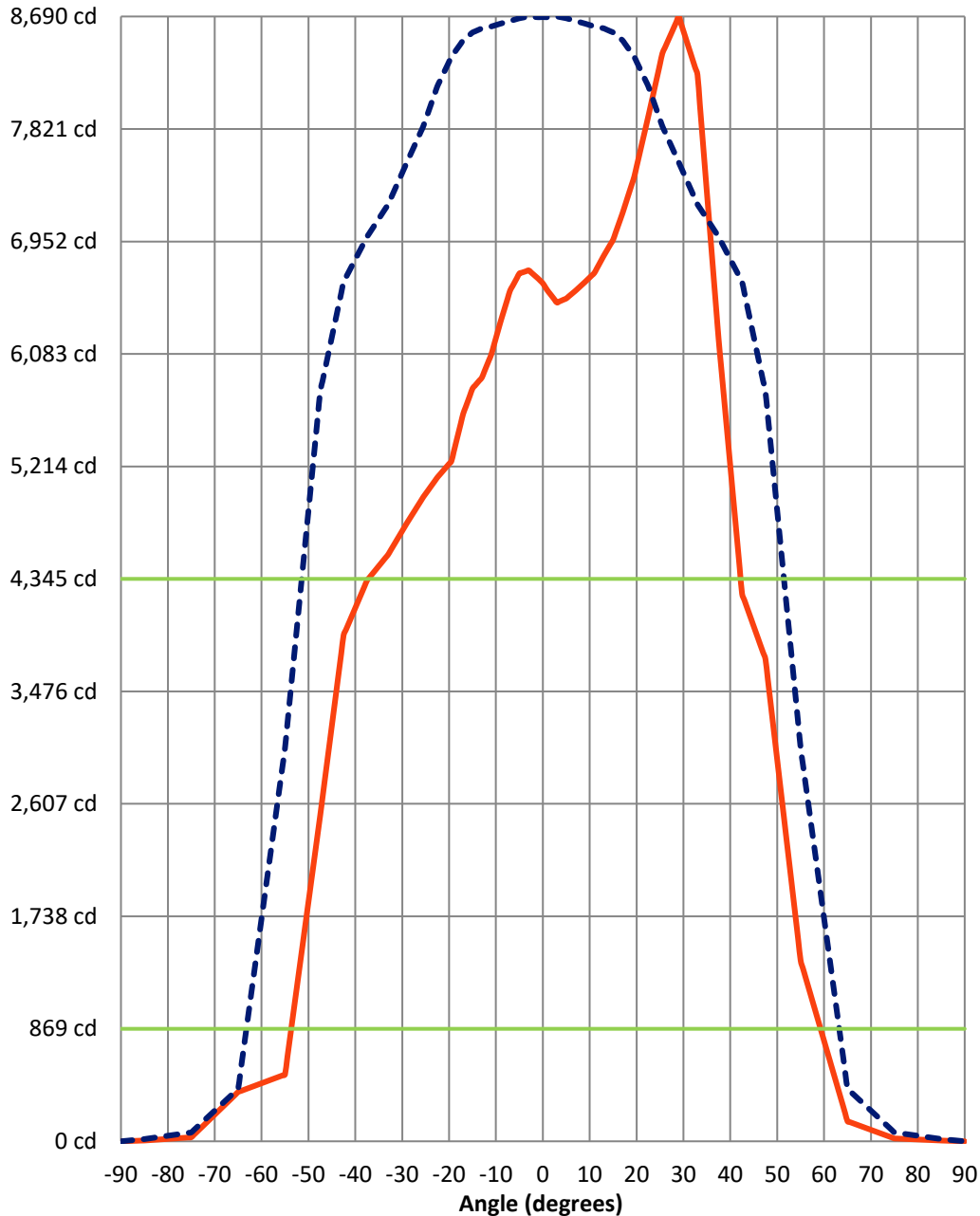
Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 102.9°
 V Angle: 79.4°
 Lumens: 12099
 Efficiency: 74.3%

Field:
 H Angle: 126.5°
 V Angle: 112.9°
 Lumens: 15736.6
 Efficiency: 96.6%

Spill:
 Lumens: 547.4
 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°	0.4	2.7	5.9	13.8	17.9	21.0	23.1	24.1	24.4	24.4	23.4
75°	20.3	20.6	22.0	20.0	15.8	17.2	25.2	28.6	31.7	32.7	30.9
65°	156.9	155.8	154.8	153.7	149.3	142.8	140.3	154.1	189.2	225.7	243.6
55°	1369.2	1364.4	1396.7	1374.1	1418.8	1461.8	1477.2	1481.7	1486.9	1460.8	1425.3
47.5°	3712.0	3744.3	3724.1	3721.2	3697.9	3661.4	3639.5	3603.6	3572.3	3565.8	3458.8
42.5°	4259.4	4244.9	4231.5	4261.4	4244.2	4258.7	4256.9	4220.5	4195.1	4142.7	4090.4
37.5°	6173.1	6183.8	6197.2	6200.0	6208.2	6173.5	6149.4	6123.9	6075.1	5991.9	5872.4
33°	8242.1	8261.0	8238.3	8236.9	8255.2	8246.9	8211.5	8178.4	8105.9	8008.1	7897.4
29°	8685.5	8684.5	8690.3	8676.6	8655.6	8635.3	8613.3	8598.5	8566.8	8505.9	8379.0
25.5°	8390.4	8395.2	8405.1	8397.2	8370.7	8356.0	8337.1	8311.3	8256.2	8190.8	8082.8
22.5°	7896.0	7933.9	7919.0	7909.1	7886.3	7850.2	7857.5	7833.0	7790.4	7723.6	7610.1
19.5°	7437.1	7456.0	7452.2	7424.7	7410.6	7381.0	7367.2	7349.4	7313.2	7271.9	7194.6
17°	7143.2	7178.4	7170.8	7153.9	7131.9	7112.3	7087.5	7072.4	7042.8	6997.4	6903.5
15°	6968.9	6984.7	6966.1	6962.6	6965.8	6926.9	6911.1	6872.5	6863.3	6825.1	6742.1
13°	6821.7	6829.5	6841.9	6822.3	6818.8	6805.1	6772.1	6755.9	6723.6	6708.1	6648.2
11°	6706.0	6760.0	6709.1	6723.2	6707.4	6705.4	6686.7	6677.8	6653.7	6630.0	6593.2
9°	6645.8	6655.1	6639.0	6638.2	6631.0	6618.0	6613.4	6612.8	6608.0	6594.9	6572.2
7°	6572.2	6580.1	6572.5	6564.9	6559.5	6554.0	6569.5	6574.6	6597.0	6578.4	6556.7
5°	6522.0	6514.5	6511.6	6510.3	6524.0	6524.0	6554.4	6571.5	6592.5	6598.3	6570.1
3°	6479.0	6488.3	6480.0	6490.0	6517.2	6531.6	6572.2	6597.3	6611.1	6611.5	6600.0
1°	6545.7	6568.4	6572.9	6579.8	6589.7	6598.7	6629.0	6651.4	6636.5	6637.2	6591.1
0°	6608.3	6617.2	6629.0	6621.0	6634.2	6642.0	6663.8	6668.2	6662.3	6636.2	6574.3
-1°	6674.1	6672.0	6665.5	6664.0	6667.2	6657.9	6669.9	6655.1	6637.6	6614.2	6556.1
-3°	6721.1	6738.4	6729.1	6718.4	6684.7	6684.7	6671.3	6616.2	6592.5	6568.1	6486.2
-5°	6681.6	6703.7	6705.0	6670.9	6618.6	6604.8	6562.2	6529.2	6487.9	6448.0	6365.4
-7°	6593.5	6581.9	6571.5	6527.5	6493.1	6460.7	6404.0	6346.5	6335.8	6298.0	6225.4
-9°	6350.7	6358.9	6334.5	6322.8	6285.0	6243.0	6226.4	6185.5	6163.8	6130.1	6063.4
-11°	6109.5	6076.5	6078.8	6087.2	6060.3	6060.6	6042.7	6018.0	6014.9	5982.9	5926.5
-13°	5919.2	5916.9	5900.7	5914.4	5909.3	5910.0	5893.1	5890.0	5884.2	5862.1	5786.1
-15°	5793.7	5814.0	5816.1	5804.4	5807.1	5800.6	5794.3	5779.6	5775.1	5740.3	5660.9
-17°	5611.0	5617.9	5619.6	5618.6	5610.0	5616.9	5624.4	5618.6	5596.9	5570.4	5506.4
-19.5°	5273.2	5245.6	5255.3	5264.9	5267.7	5267.3	5278.4	5296.9	5279.7	5245.0	5192.0
-22.5°	5152.8	5146.9	5129.1	5134.9	5132.1	5123.6	5123.6	5124.9	5115.0	5078.5	5006.2
-25.5°	4972.2	4980.4	4977.7	4973.9	4973.2	4957.7	4958.4	4960.8	4941.2	4900.9	4835.9
-29°	4773.0	4778.4	4776.4	4767.1	4754.4	4726.5	4714.8	4688.7	4653.9	4631.6	4578.9
-33°	4546.2	4532.5	4533.2	4531.8	4514.9	4498.8	4479.2	4446.5	4410.7	4382.8	4327.1
-37.5°	4332.6	4340.6	4333.3	4335.7	4326.1	4309.9	4292.3	4267.6	4232.5	4192.2	4136.9
-42.5°	3924.6	3918.8	3909.8	3890.2	3882.3	3844.8	3821.8	3822.4	3814.5	3783.9	3731.3
-47.5°	2436.4	2501.0	2515.9	2503.1	2490.7	2485.5	2459.4	2457.4	2459.4	2442.9	2402.3
-55°	503.3	501.6	516.1	526.4	547.7	556.0	560.0	544.9	561.7	596.5	613.4
-65°	387.7	386.3	380.9	380.5	375.3	373.3	372.9	369.5	371.9	382.2	393.9
-75°	30.3	30.3	30.6	27.1	25.2	28.2	36.8	39.5	43.7	42.0	46.8
-85°	1.0	3.1	6.1	14.5	18.5	21.4	23.4	24.4	24.4	24.1	23.7
-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):

	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°	21.7	20.3	19.3	17.9	15.5	13.0	11.3	9.6	11.0	9.6	11.7
75°	27.9	28.2	35.5	44.3	39.9	26.9	18.5	15.5	20.3	11.7	12.8
65°	212.3	136.9	85.0	64.0	51.9	44.1	54.0	40.9	37.8	18.9	13.4
55°	1337.6	1248.5	1183.1	1099.8	1072.6	995.9	805.7	327.8	60.2	30.6	14.5
47.5°	3342.8	3193.3	3024.3	2835.1	2672.0	2446.4	2004.3	876.9	72.2	39.5	15.5
42.5°	3999.2	3828.9	3726.8	3588.9	3436.1	3385.5	3048.7	1510.3	74.3	45.1	15.8
37.5°	5770.3	5579.7	5317.2	5114.6	4954.2	4931.2	4299.9	2131.9	118.4	51.9	16.5
33°	7684.7	7405.4	7043.5	6730.8	6458.3	6213.8	5268.7	2632.5	275.5	59.9	16.8
29°	8151.3	7842.4	7563.3	7238.5	6988.2	6640.7	5788.2	3039.1	405.3	68.5	17.2
25.5°	7861.9	7630.4	7359.0	7103.7	6916.2	6673.7	6012.5	3266.4	510.2	76.4	17.6
22.5°	7435.0	7231.7	7006.0	6843.6	6741.8	6554.4	5995.3	3392.4	593.8	83.2	17.9
19.5°	7060.0	6918.3	6736.0	6635.5	6591.5	6366.1	5822.2	3518.6	669.2	90.5	18.2
17°	6800.7	6678.5	6558.1	6510.6	6466.6	6175.6	5664.7	3607.1	730.7	94.3	18.5
15°	6648.9	6560.5	6474.2	6440.1	6357.2	6008.0	5559.7	3665.9	773.7	97.4	18.9
13°	6576.3	6518.2	6441.2	6376.5	6235.0	5856.6	5482.3	3735.1	808.8	100.1	18.9
11°	6536.4	6482.4	6379.2	6283.6	6084.7	5722.8	5436.5	3794.5	837.6	101.5	19.3
9°	6513.7	6448.7	6322.8	6154.2	5961.9	5606.5	5409.4	3837.5	861.8	102.2	19.6
7°	6521.0	6414.3	6250.2	6056.5	5850.1	5535.0	5385.7	3868.8	878.3	101.8	20.0
5°	6518.5	6379.5	6190.7	5992.1	5763.8	5468.2	5367.4	3893.6	885.9	100.8	20.3
3°	6505.8	6362.3	6137.4	5898.2	5686.7	5414.9	5359.2	3909.5	892.8	99.8	20.3
1°	6485.5	6320.7	6068.9	5845.3	5632.6	5364.7	5350.2	3916.0	891.0	98.7	20.3
0°	6465.2	6300.8	6046.5	5817.8	5607.9	5337.5	5337.2	3932.5	888.0	98.1	20.3
-1°	6432.2	6257.7	6007.4	5776.8	5575.5	5342.4	5337.8	3917.7	884.5	97.0	20.6
-3°	6341.7	6178.6	5942.7	5715.6	5516.4	5307.2	5326.2	3903.3	878.3	96.0	21.0
-5°	6239.2	6081.3	5869.7	5644.4	5448.0	5254.6	5299.3	3862.7	863.8	95.3	21.0
-7°	6108.8	5990.2	5764.1	5545.3	5359.2	5179.6	5248.8	3823.5	848.1	94.6	21.4
-9°	5975.3	5851.2	5649.9	5432.1	5261.1	5117.3	5179.6	3762.6	827.1	93.9	21.4
-11°	5839.1	5711.1	5510.2	5307.9	5144.8	5019.7	5106.6	3694.5	803.6	93.9	21.7
-13°	5676.0	5559.1	5376.7	5194.8	5038.2	4945.6	5028.3	3608.4	775.1	94.3	21.7
-15°	5550.5	5425.6	5250.8	5080.5	4938.4	4869.6	4936.7	3498.7	747.9	94.9	22.0
-17°	5400.8	5292.8	5133.1	4974.2	4845.9	4796.3	4845.2	3387.6	712.8	95.3	22.0
-19.5°	5108.7	5010.3	4909.2	4804.6	4720.3	4704.5	4728.2	3241.8	665.4	96.0	22.0
-22.5°	4912.3	4812.5	4702.4	4621.2	4563.4	4617.8	4587.9	3039.4	598.0	97.0	22.0
-25.5°	4751.3	4659.4	4549.3	4471.2	4438.2	4557.3	4458.9	2820.6	522.6	97.0	22.0
-29°	4502.9	4422.7	4324.0	4250.1	4232.1	4417.6	4208.8	2567.8	433.8	95.6	22.0
-33°	4230.8	4140.7	4040.9	3962.1	3928.7	4178.5	3796.3	2264.7	323.0	91.8	22.0
-37.5°	4057.4	3956.6	3845.1	3721.2	3646.0	3680.0	3244.8	1829.9	187.9	85.3	21.7
-42.5°	3638.0	3576.1	3438.8	3305.0	3107.6	2871.2	2419.5	1312.4	143.4	77.4	21.7
-47.5°	2405.4	2360.0	2316.0	2231.7	2043.5	1797.8	1511.0	726.9	136.5	67.8	21.4
-55°	664.6	674.0	713.9	665.0	581.4	509.5	494.3	221.9	125.6	51.9	20.3
-65°	417.3	423.1	345.0	244.2	165.1	126.2	127.9	85.0	83.6	30.3	18.9
-75°	50.9	51.2	43.0	40.9	41.3	47.1	49.2	40.9	33.0	17.2	17.6
-85°	23.1	22.7	22.0	21.4	21.0	20.0	18.5	16.8	15.5	15.8	15.8
-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)