

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: P507771

Luminaire Tested: **UFLD-CA2-130-722-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507771
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-CA2-130-722-U-66
Description: UTILITY FLOOD, 6x6 OPTIC
Light Source: (2) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

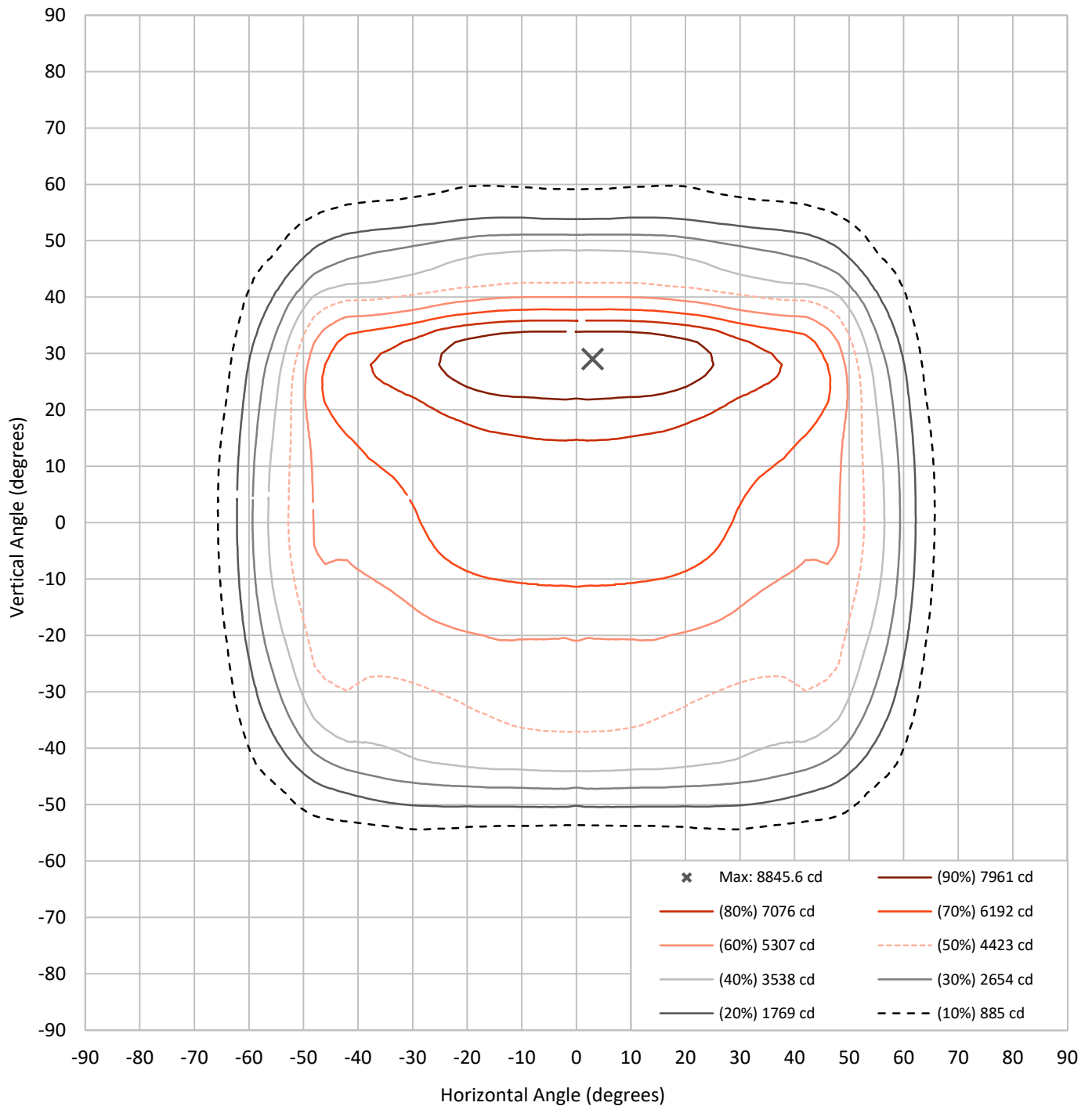
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	16575 lumens	Max Intensity:	8845.6 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	124.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.25' x L: 0.67' x H: 0')		
Beam Angle (50%):	102.9°H x 79.4°V	Field Angle (10%):	126.5°H x 112.9°V
Beam Lumens:	12315.2 lumens	Field Lumens:	16017.8 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%
Input Watts (W):	132.7		
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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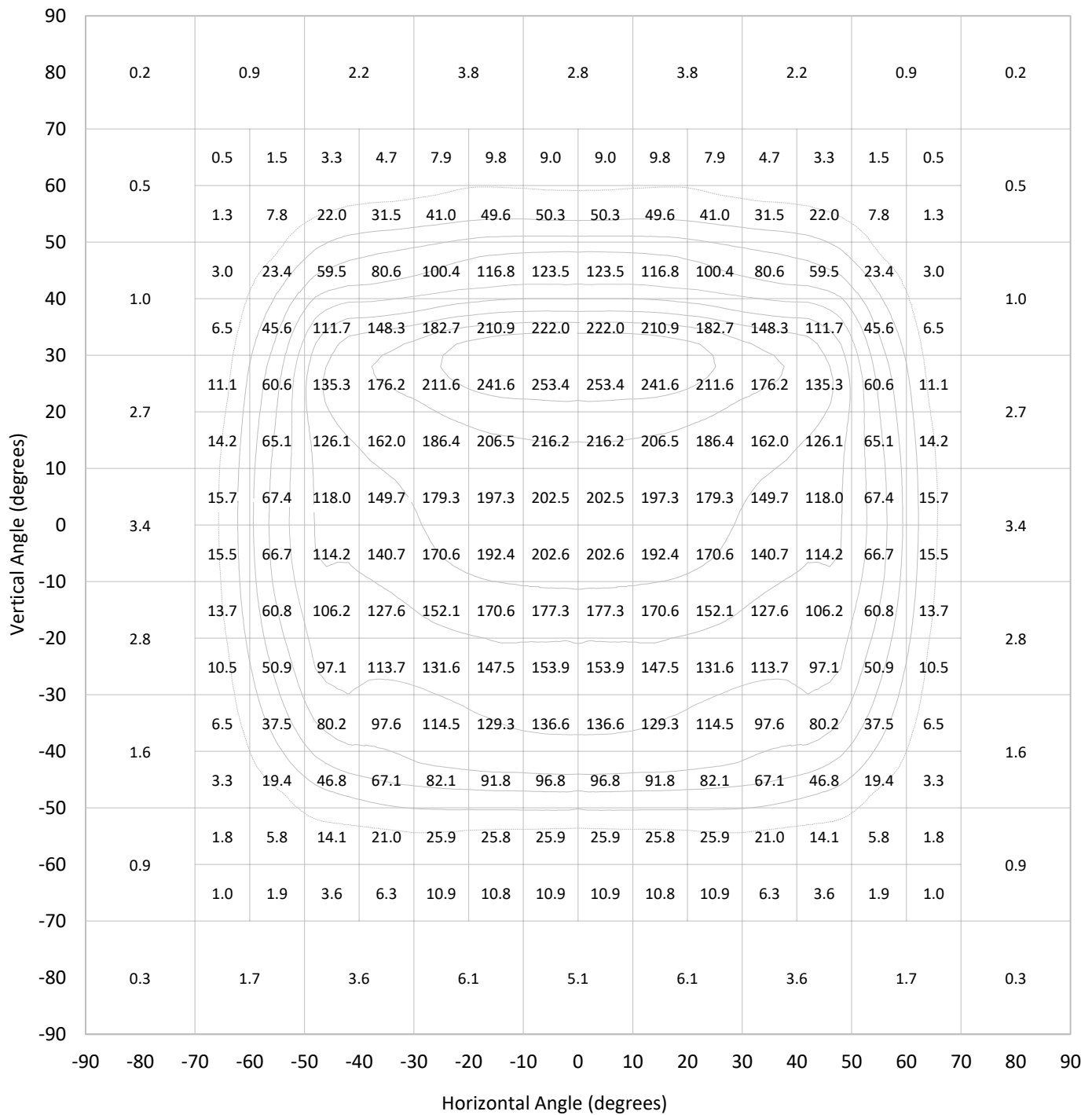
Iso-Candela Plot





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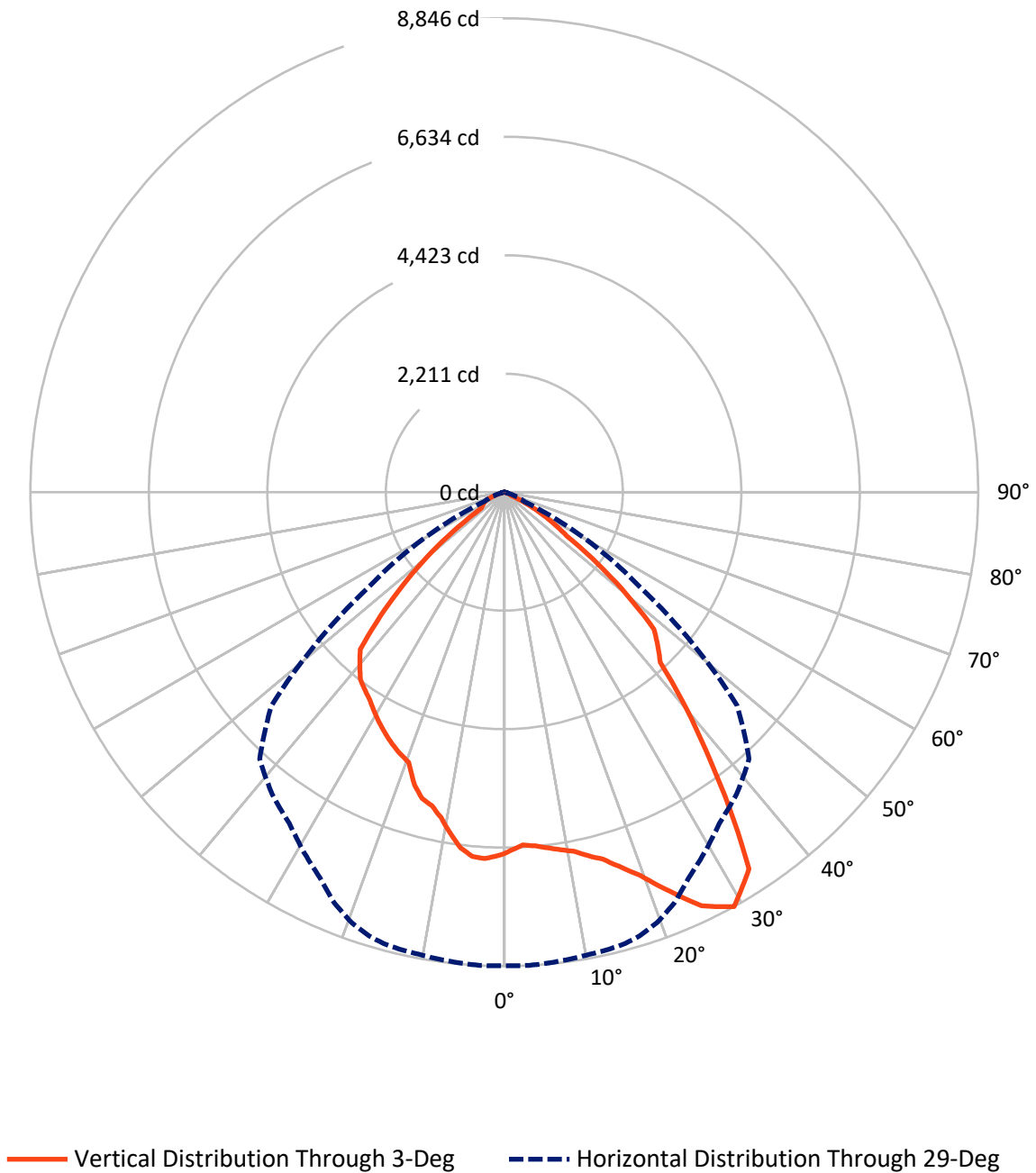
Lumen Table



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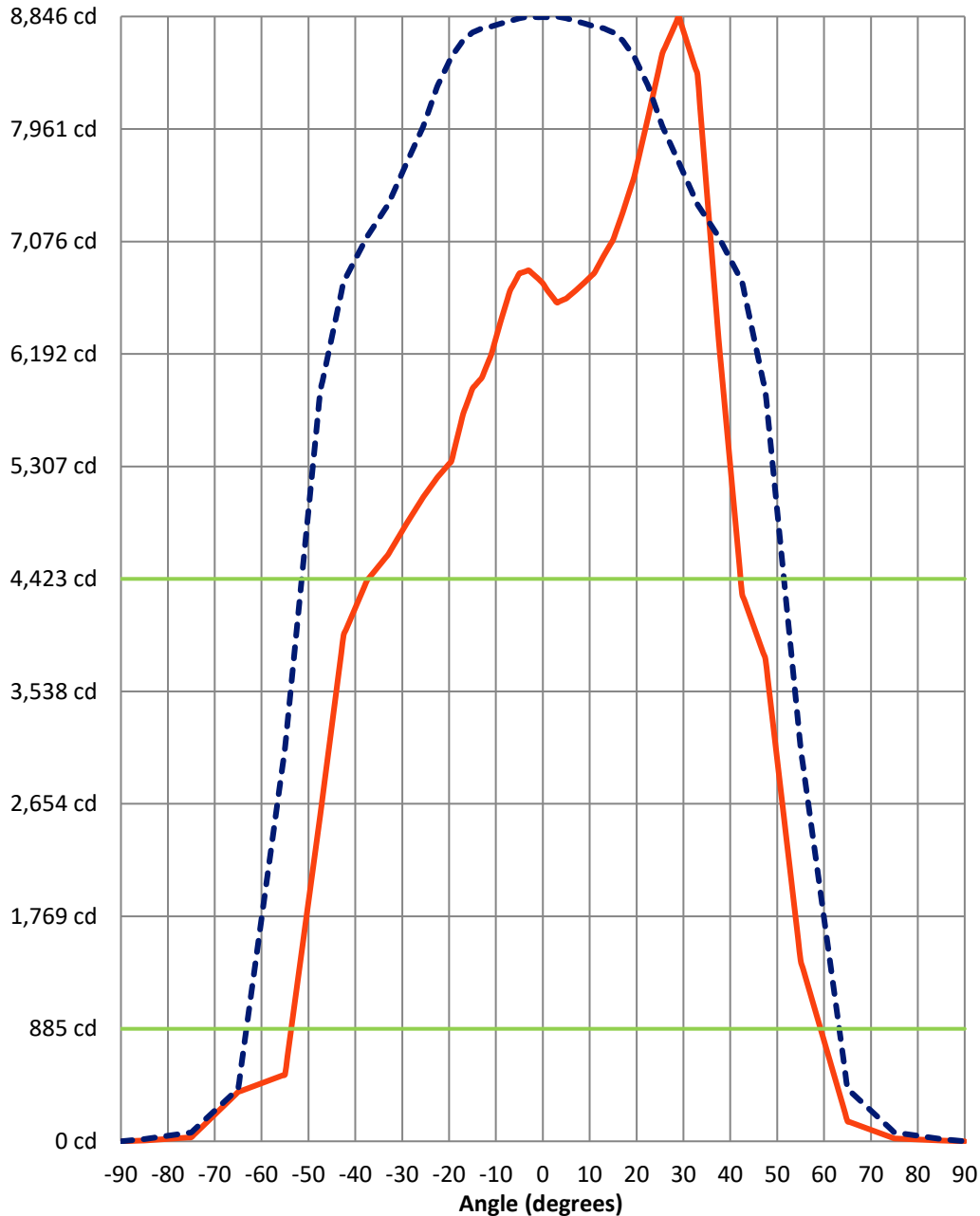
Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 102.9°
 V Angle: 79.4°
 Lumens: 12315.2
 Efficiency: 74.3%

Field:
 H Angle: 126.5°
 V Angle: 112.9°
 Lumens: 16017.8
 Efficiency: 96.6%

Spill:
 Lumens: 557.2
 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	2.8	6.0	14.0	18.2	21.4	23.5	24.5	24.9	24.9	23.8
75°	20.7	21.0	22.4	20.3	16.1	17.5	25.6	29.1	32.2	33.3	31.5
65°	159.7	158.6	157.6	156.5	152.0	145.3	142.9	156.9	192.6	229.7	247.9
55°	1393.7	1388.8	1421.7	1398.6	1444.1	1487.9	1503.6	1508.2	1513.4	1486.8	1450.8
47.5°	3778.3	3811.3	3790.6	3787.8	3764.0	3726.9	3704.4	3668.0	3636.2	3629.5	3520.6
42.5°	4335.5	4320.7	4307.1	4337.6	4320.0	4334.8	4333.0	4295.9	4270.0	4216.7	4163.5
37.5°	6283.5	6294.3	6308.0	6310.8	6319.2	6283.8	6259.3	6233.4	6183.7	6098.9	5977.4
33°	8389.4	8408.6	8385.5	8384.1	8402.7	8394.3	8358.2	8324.6	8250.7	8151.3	8038.5
29°	8840.7	8839.7	8845.6	8831.6	8810.3	8789.6	8767.2	8752.2	8719.9	8658.0	8528.7
25.5°	8540.3	8545.2	8555.4	8547.3	8520.3	8505.3	8486.0	8459.8	8403.7	8337.2	8227.2
22.5°	8037.1	8075.6	8060.6	8050.4	8027.3	7990.5	7997.9	7973.0	7929.6	7861.7	7746.1
19.5°	7570.0	7589.2	7585.4	7557.4	7543.0	7512.9	7498.9	7480.7	7443.9	7401.9	7323.1
17°	7270.9	7306.6	7298.9	7281.8	7259.4	7239.4	7214.2	7198.8	7168.7	7122.5	7026.9
15°	7093.4	7109.5	7090.6	7087.1	7090.2	7050.7	7034.6	6995.3	6985.9	6947.0	6862.6
13°	6943.5	6951.6	6964.2	6944.2	6940.7	6926.7	6893.1	6876.6	6843.7	6828.0	6767.0
11°	6825.9	6880.8	6829.0	6843.4	6827.3	6825.2	6806.3	6797.2	6772.6	6748.5	6711.0
9°	6764.6	6774.0	6757.6	6756.9	6749.5	6736.2	6731.7	6731.0	6726.1	6712.8	6689.6
7°	6689.6	6697.7	6690.0	6682.3	6676.7	6671.1	6686.8	6692.1	6714.9	6696.0	6673.9
5°	6638.5	6630.8	6628.0	6626.6	6640.6	6640.6	6671.4	6688.9	6710.3	6716.3	6687.5
3°	6594.8	6604.2	6595.8	6606.0	6633.6	6648.3	6689.6	6715.2	6729.2	6729.6	6718.0
1°	6662.7	6685.8	6690.3	6697.4	6707.5	6716.6	6747.4	6770.2	6755.1	6755.8	6708.9
0°	6726.4	6735.5	6747.4	6739.4	6752.7	6760.7	6782.8	6787.3	6781.4	6754.8	6691.7
-1°	6793.3	6791.2	6784.5	6783.1	6786.3	6776.8	6789.1	6774.0	6756.2	6732.4	6673.2
-3°	6841.3	6858.8	6849.3	6838.5	6804.2	6804.2	6790.5	6734.5	6710.3	6685.4	6602.1
-5°	6801.0	6823.4	6824.8	6790.1	6736.9	6722.9	6679.5	6645.9	6603.9	6563.2	6479.2
-7°	6711.4	6699.5	6688.9	6644.1	6609.1	6576.2	6518.4	6459.9	6449.1	6410.6	6336.7
-9°	6464.1	6472.5	6447.7	6435.8	6397.3	6354.5	6337.7	6296.1	6274.0	6239.7	6171.7
-11°	6218.7	6185.1	6187.5	6195.9	6168.6	6168.9	6150.7	6125.5	6122.4	6089.8	6032.4
-13°	6025.0	6022.6	6006.1	6020.1	6014.9	6015.6	5998.4	5995.3	5989.3	5966.9	5889.5
-15°	5897.2	5917.9	5920.0	5908.1	5910.9	5904.2	5897.9	5882.9	5878.3	5842.9	5762.0
-17°	5711.3	5718.3	5720.0	5719.0	5710.2	5717.2	5724.9	5719.0	5696.9	5670.0	5604.8
-19.5°	5367.4	5339.4	5349.2	5359.0	5361.8	5361.5	5372.7	5391.6	5374.1	5338.7	5284.8
-22.5°	5244.8	5238.9	5220.7	5226.6	5223.8	5215.1	5215.1	5216.5	5206.3	5169.2	5095.7
-25.5°	5061.0	5069.4	5066.6	5062.8	5062.1	5046.3	5047.0	5049.5	5029.5	4988.5	4922.3
-29°	4858.3	4863.9	4861.8	4852.3	4839.4	4811.0	4799.1	4772.5	4737.1	4714.3	4660.8
-33°	4627.5	4613.5	4614.2	4612.8	4595.6	4579.2	4559.2	4525.9	4489.5	4461.2	4404.4
-37.5°	4410.0	4418.1	4410.7	4413.2	4403.4	4386.9	4369.1	4343.9	4308.1	4267.2	4210.8
-42.5°	3994.7	3988.8	3979.7	3959.7	3951.7	3913.5	3890.0	3890.7	3882.7	3851.5	3797.9
-47.5°	2479.9	2545.7	2560.8	2547.8	2535.2	2530.0	2503.4	2501.3	2503.4	2486.6	2445.2
-55°	512.3	510.5	525.3	535.8	557.5	565.9	570.1	554.7	571.8	607.2	624.4
-65°	394.6	393.2	387.6	387.3	382.0	379.9	379.6	376.1	378.5	389.0	400.9
-75°	30.8	30.8	31.2	27.7	25.6	28.7	37.5	40.3	44.5	42.7	47.6
-85°	1.1	3.2	6.3	14.7	18.9	21.7	23.8	24.9	24.9	24.5	24.2
-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°	22.1	20.7	19.6	18.2	15.8	13.3	11.6	9.8	11.2	9.8	11.9
75°	28.4	28.7	36.1	45.2	40.6	27.3	18.9	15.8	20.7	11.9	13.0
65°	216.1	139.4	86.5	65.1	52.9	44.8	55.0	41.7	38.5	19.3	13.7
55°	1361.5	1270.8	1204.2	1119.5	1091.8	1013.7	820.1	333.7	61.3	31.2	14.7
47.5°	3402.6	3250.3	3078.3	2885.8	2719.8	2490.1	2040.1	892.6	73.5	40.3	15.8
42.5°	4070.7	3897.4	3793.4	3653.0	3497.5	3446.0	3103.2	1537.2	75.6	45.9	16.1
37.5°	5873.4	5679.4	5412.2	5206.0	5042.8	5019.3	4376.8	2170.0	120.5	52.9	16.8
33°	7822.1	7537.8	7169.4	6851.1	6573.7	6324.8	5362.9	2679.5	280.5	60.9	17.2
29°	8296.9	7982.5	7698.5	7367.9	7113.0	6759.3	5891.6	3093.4	412.5	69.7	17.5
25.5°	8002.4	7766.8	7490.5	7230.7	7039.8	6792.9	6119.9	3324.9	519.3	77.7	17.9
22.5°	7567.9	7360.9	7131.2	6965.9	6862.3	6671.4	6102.4	3453.0	604.4	84.7	18.2
19.5°	7186.2	7041.9	6856.3	6754.1	6709.3	6479.9	5926.3	3581.5	681.1	92.1	18.6
17°	6922.2	6797.9	6675.3	6627.0	6582.1	6285.9	5765.9	3671.5	743.8	95.9	18.9
15°	6767.7	6677.7	6589.9	6555.2	6470.8	6115.4	5659.1	3731.4	787.5	99.1	19.3
13°	6693.9	6634.7	6556.2	6490.4	6346.5	5961.3	5580.3	3801.8	823.2	101.9	19.3
11°	6653.2	6598.3	6493.2	6395.9	6193.5	5825.1	5533.7	3862.4	852.7	103.3	19.6
9°	6630.1	6563.9	6435.8	6264.2	6068.4	5706.7	5506.1	3906.1	877.2	104.0	20.0
7°	6637.5	6528.9	6361.9	6164.7	5954.6	5633.9	5481.9	3938.0	894.0	103.7	20.3
5°	6635.0	6493.6	6301.3	6099.3	5866.7	5566.0	5463.4	3963.2	901.7	102.6	20.7
3°	6622.1	6476.0	6247.0	6003.7	5788.3	5511.7	5454.9	3979.3	908.7	101.5	20.7
1°	6601.4	6433.7	6177.3	5949.7	5733.3	5460.6	5445.8	3986.0	906.9	100.5	20.7
0°	6580.7	6413.4	6154.6	5921.7	5708.1	5432.9	5432.5	4002.8	903.8	99.8	20.7
-1°	6547.1	6369.6	6114.7	5880.1	5675.2	5437.8	5433.2	3987.7	900.3	98.7	21.0
-3°	6455.0	6289.1	6048.8	5817.7	5615.0	5402.1	5421.3	3973.0	894.0	97.7	21.4
-5°	6350.7	6190.0	5974.6	5745.2	5545.3	5348.5	5394.0	3931.7	879.3	97.0	21.4
-7°	6218.0	6097.2	5867.1	5644.4	5454.9	5272.2	5342.5	3891.8	863.2	96.3	21.7
-9°	6082.1	5955.7	5750.8	5529.2	5355.2	5208.8	5272.2	3829.8	841.8	95.6	21.7
-11°	5943.4	5813.2	5608.7	5402.8	5236.8	5109.3	5197.9	3760.5	818.0	95.6	22.1
-13°	5777.5	5658.4	5472.8	5287.6	5128.2	5034.0	5118.1	3672.9	788.9	95.9	22.1
-15°	5649.6	5522.5	5344.6	5171.3	5026.7	4956.7	5024.9	3561.2	761.3	96.6	22.4
-17°	5497.3	5387.4	5224.9	5063.1	4932.5	4882.1	4931.8	3448.1	725.6	97.0	22.4
-19.5°	5200.0	5099.9	4996.9	4890.5	4804.7	4788.6	4812.7	3299.7	677.2	97.7	22.4
-22.5°	5000.1	4898.5	4786.5	4703.8	4645.0	4700.3	4669.9	3093.8	608.6	98.7	22.4
-25.5°	4836.2	4742.7	4630.6	4551.2	4517.5	4638.7	4538.6	2871.0	531.9	98.7	22.4
-29°	4583.4	4501.8	4401.3	4326.0	4307.8	4496.5	4284.0	2613.7	441.6	97.3	22.4
-33°	4306.4	4214.6	4113.1	4032.9	3998.9	4253.2	3864.1	2305.2	328.8	93.5	22.4
-37.5°	4129.9	4027.3	3913.9	3787.8	3711.1	3745.8	3302.8	1862.6	191.2	86.8	22.1
-42.5°	3703.0	3640.0	3500.3	3364.1	3163.1	2922.5	2462.7	1335.9	146.0	78.8	22.1
-47.5°	2448.4	2402.2	2357.3	2271.6	2080.0	1830.0	1537.9	739.9	139.0	69.0	21.7
-55°	676.5	686.0	726.6	676.9	591.8	518.6	503.2	225.9	127.8	52.9	20.7
-65°	424.8	430.7	351.2	248.6	168.1	128.5	130.3	86.5	85.1	30.8	19.3
-75°	51.8	52.2	43.8	41.7	42.0	48.0	50.1	41.7	33.6	17.5	17.9
-85°	23.5	23.1	22.4	21.7	21.4	20.3	18.9	17.2	15.8	16.1	16.1
-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)