

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: P571670

Luminaire Tested: **UFLD-L-CA4-180-750-U-66-TS2HW_NFFLD**

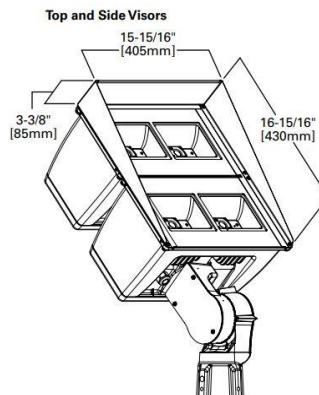
Issue Date: 9/21/2021

Test Information

Test Method: LM-79-08
Report Number: P571670
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-CA4-180-750-U-66-TS2HW_NFFLD
Description: FLOOD LIGHT LARGE, 6x6 OPTIC WITH TOP AND SIDE VISOR
Light Source: (4) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

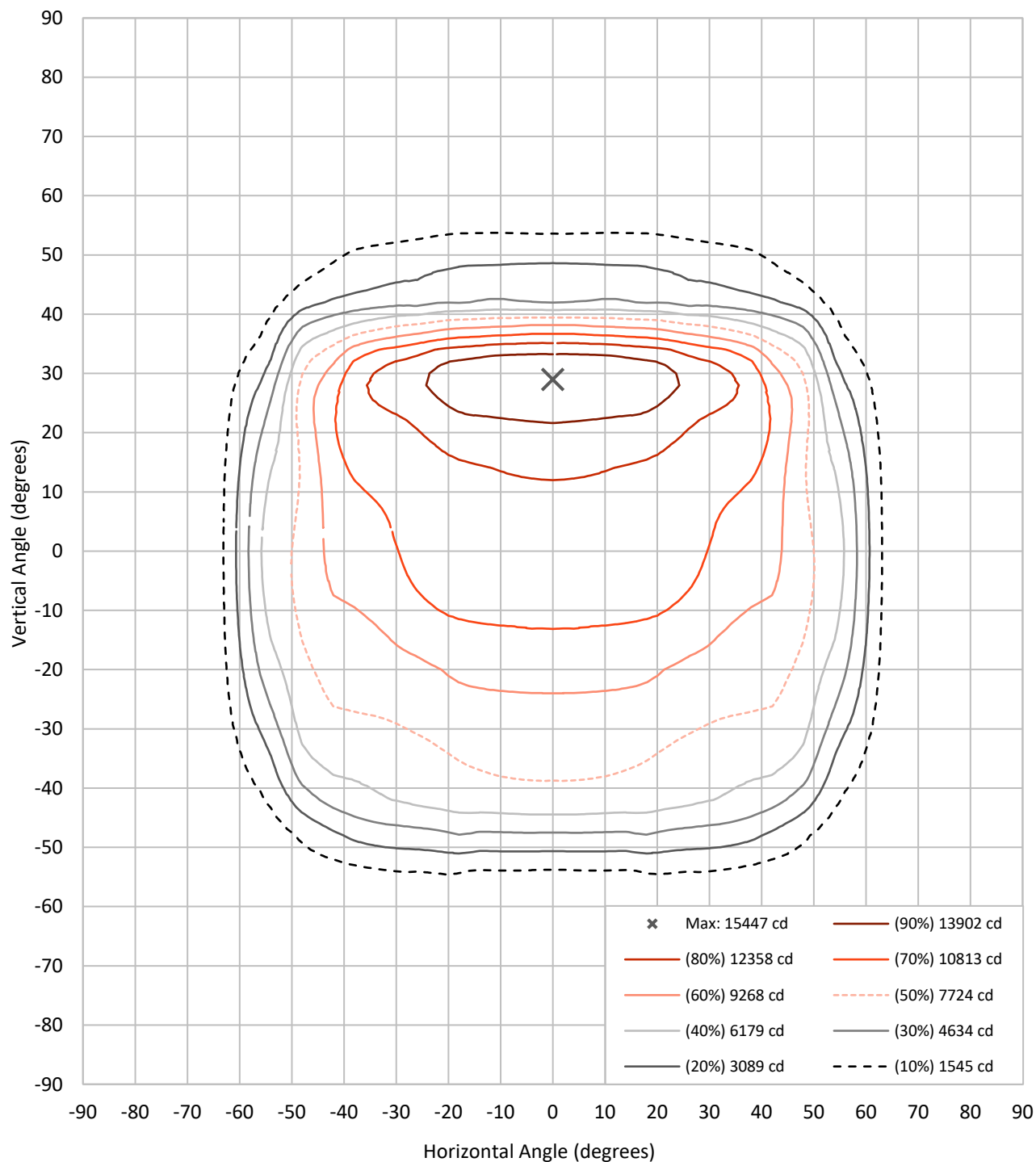
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	26847 lumens	Max Intensity:	15447 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	150.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.33' x L: 1.42' x H: 0')		
Beam Angle (50%):	96.7°H x 78.2°V	Field Angle (10%):	121.2°H x 107.4°V
Beam Lumens:	19490.8 lumens	Field Lumens:	26096.8 lumens
Beam Efficiency:	72.6%	Field Efficiency:	97.2%
Input Watts (W):	178		
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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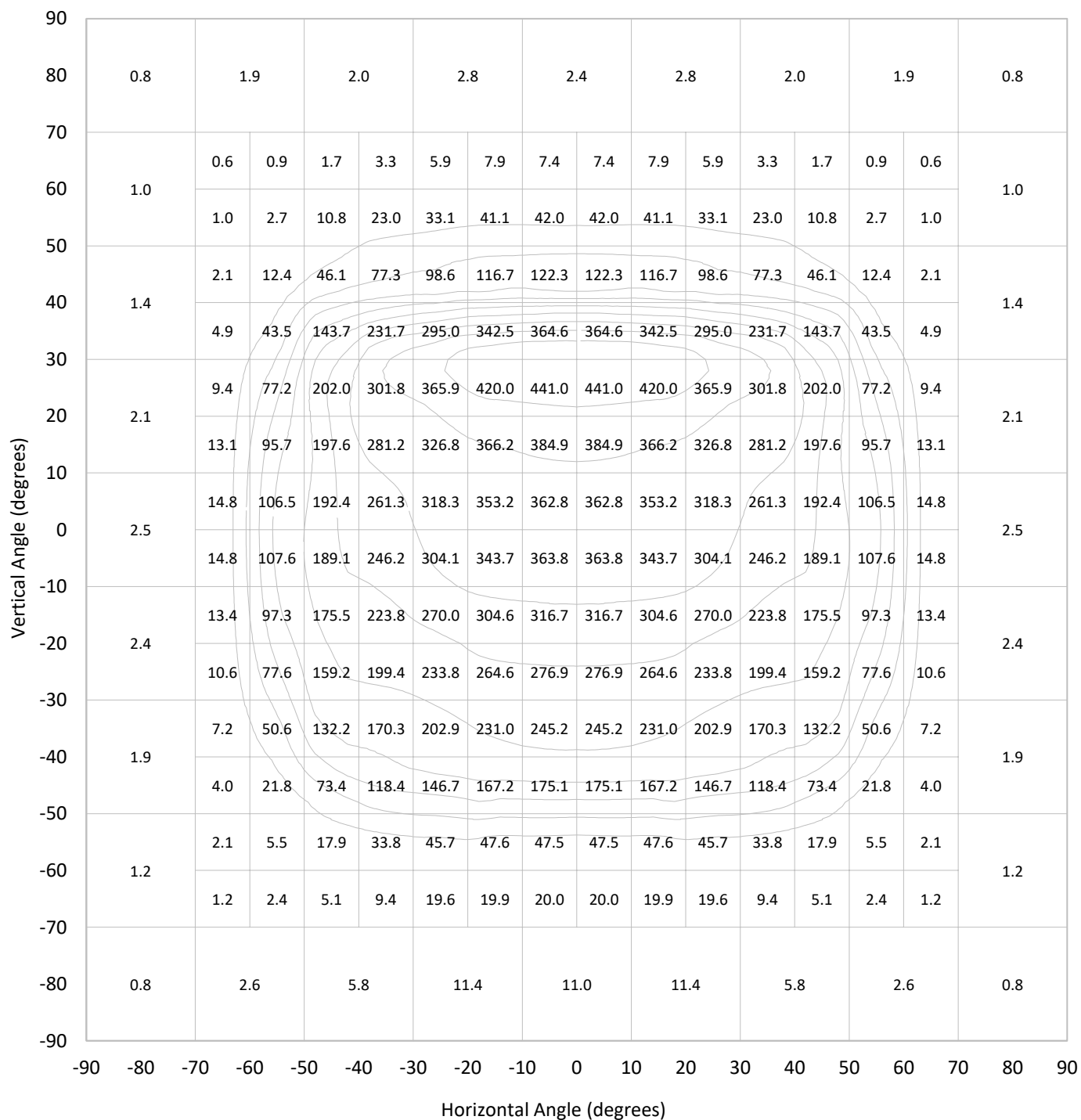
Iso-Candela Plot



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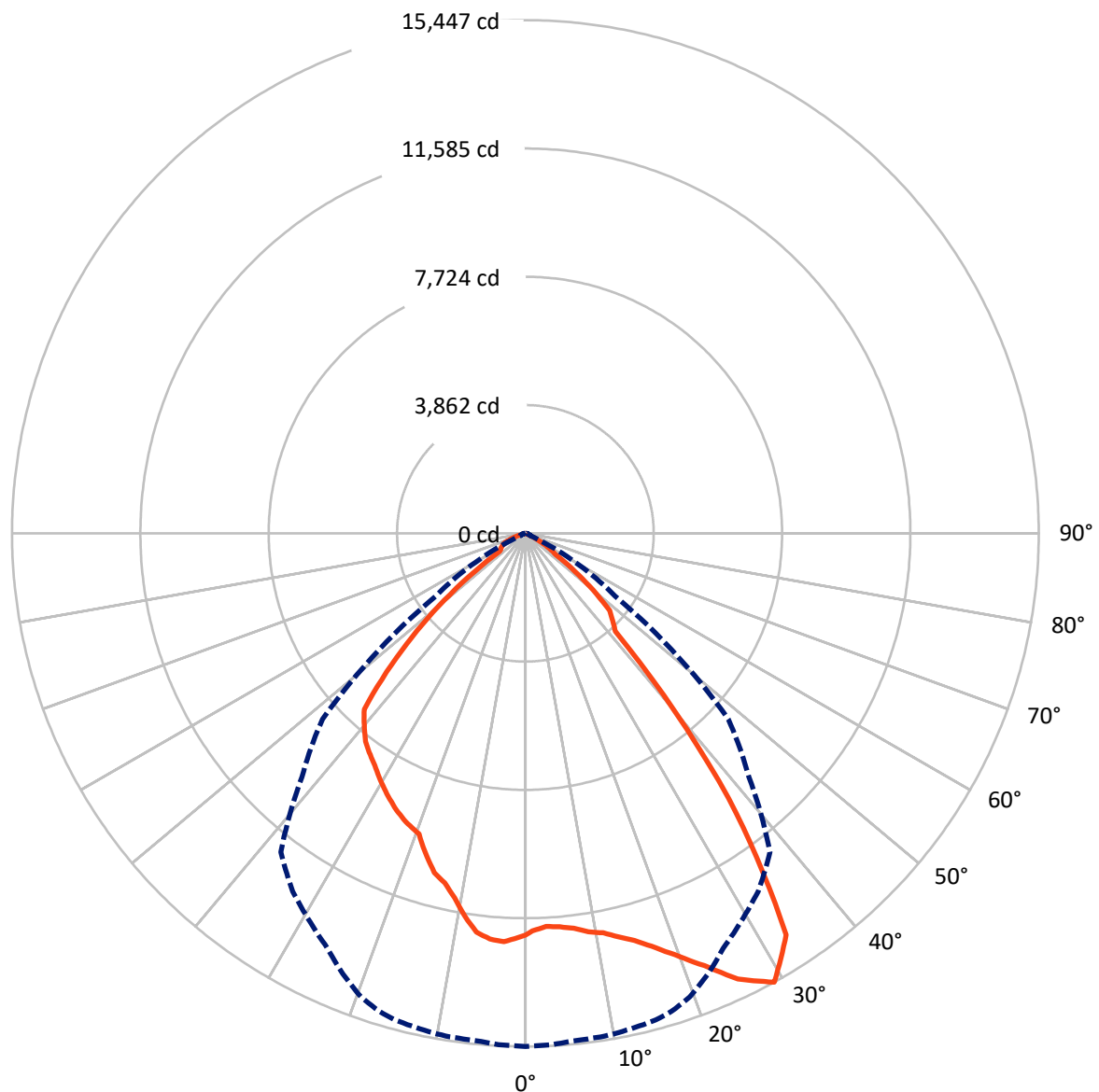
Lumen Table



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Luminous Intensity Polar Plot



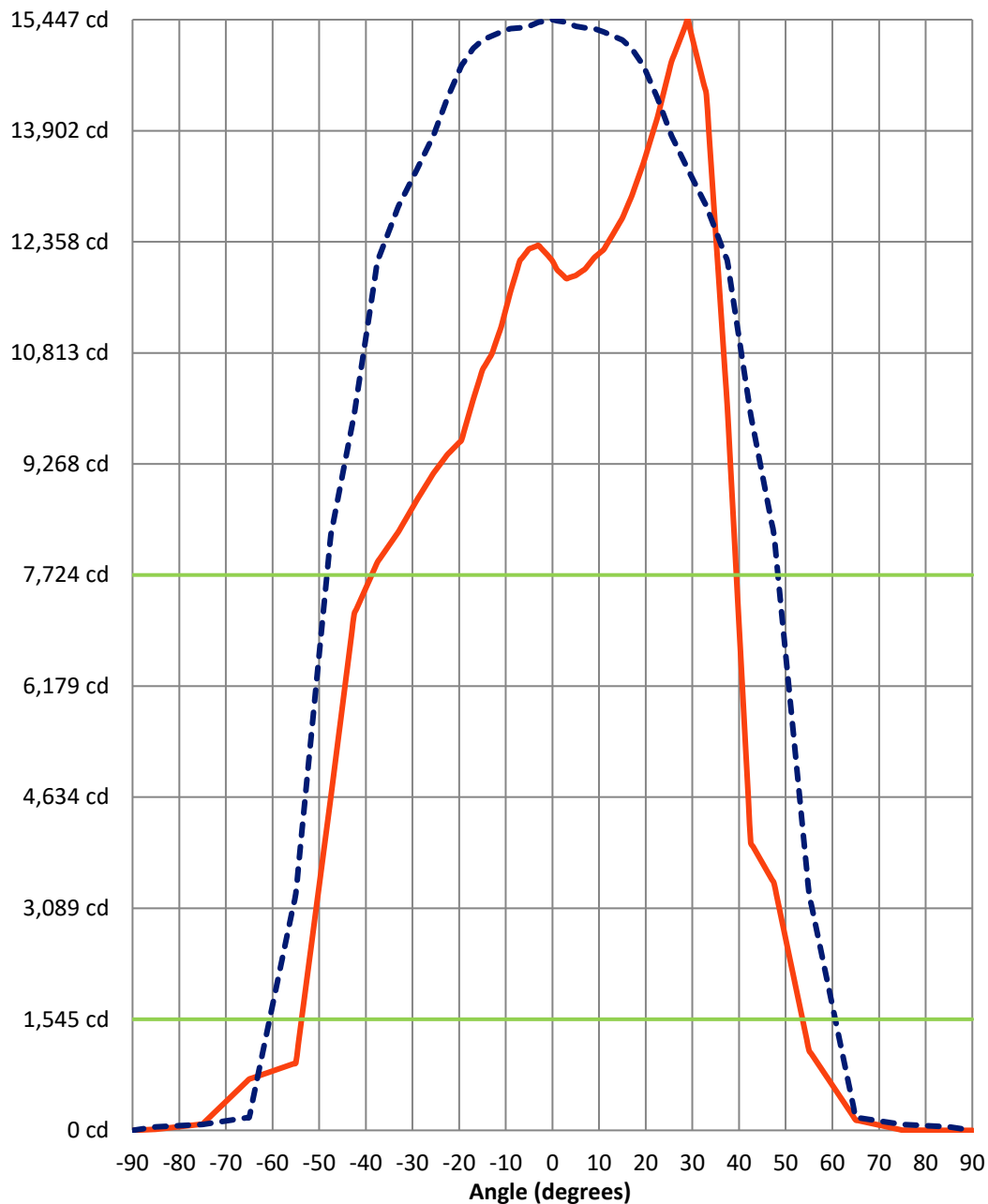
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 29-Deg

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Luminous Intensity Plot



Beam:

H Angle: 96.7°

V Angle: 78.2°

Lumens: 19490.8

Efficiency: 72.6%

Field:

H Angle: 121.2°

V Angle: 107.4°

Lumens: 26096.8

Efficiency: 97.2%

Spill:

Lumens: 750.2

Efficiency: 2.8%

— Vertical Distribution through 0-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°	0.0	7.1	16.0	20.1	21.9	23.7	25.5	26.7	26.7	26.1	24.9
75°	3.0	4.1	9.5	12.4	14.2	15.4	16.6	16.0	16.6	15.4	15.4
65°	144.0	144.0	143.4	139.2	130.9	122.1	117.3	129.8	162.4	193.2	200.3
55°	1112.8	1099.1	1096.8	1144.2	1144.7	1179.7	1182.1	1191.6	1163.7	1183.3	1147.1
47.5°	3436.0	3438.4	3417.7	3404.0	3385.1	3346.0	3318.7	3299.2	3296.2	3270.7	3164.7
42.5°	4003.7	4009.6	4064.7	4097.3	4189.7	4300.5	4387.6	4283.9	4192.1	3987.7	4051.7
37.5°	10050.3	10059.2	10048.6	10027.2	9800.3	9741.0	9695.4	9560.9	9497.5	9471.4	9361.8
33°	14404.2	14459.3	14427.3	14383.4	14414.2	14382.3	14314.7	14177.2	13930.2	13804.5	13635.1
29°	15447.0	15431.6	15411.5	15355.8	15333.2	15322.0	15275.8	15220.7	15163.2	15045.9	14807.1
25.5°	14859.8	14810.1	14812.4	14759.7	14719.4	14710.5	14666.1	14602.7	14548.2	14436.2	14186.7
22.5°	14085.4	14072.4	14046.3	13999.5	13974.0	13914.2	13863.2	13808.1	13793.3	13753.0	13559.8
19.5°	13451.4	13436.0	13436.0	13411.7	13376.7	13318.1	13244.0	13188.9	13155.7	13140.3	13000.5
17°	12995.2	12980.9	12976.2	12938.9	12908.1	12854.1	12778.3	12706.6	12652.7	12624.2	12522.9
15°	12689.4	12666.3	12662.8	12646.2	12613.6	12557.9	12483.2	12416.9	12370.1	12313.2	12211.3
13°	12466.0	12439.4	12434.6	12409.2	12376.0	12324.4	12264.0	12208.9	12170.4	12111.1	12020.5
11°	12250.4	12268.7	12253.3	12229.6	12192.3	12148.4	12104.0	12069.1	12037.6	12000.9	11937.5
9°	12139.6	12102.2	12104.6	12083.3	12058.4	12027.0	11996.2	11961.2	11958.3	11954.7	11904.9
7°	11979.0	11967.1	11984.9	11973.1	11938.1	11942.3	11916.8	11923.3	11941.7	11960.6	11966.5
5°	11889.5	11882.4	11888.9	11885.4	11872.9	11877.7	11874.7	11909.7	11965.4	12061.9	12147.3
3°	11845.7	11858.1	11856.3	11857.5	11884.8	11896.0	11925.1	11975.4	12044.8	12126.5	12137.2
1°	11968.9	11983.1	11990.2	12016.3	12062.5	12064.9	12064.3	12093.9	12107.0	12299.5	12287.7
0°	12091.0	12098.7	12101.6	12104.6	12122.4	12131.3	12105.2	12097.5	12076.8	12217.2	12147.3
-1°	12170.4	12188.1	12176.3	12194.7	12211.8	12168.6	12132.5	12089.2	12061.3	12134.2	11993.2
-3°	12308.4	12295.4	12265.8	12262.8	12266.4	12197.6	12104.6	12056.6	11974.2	11932.8	11875.9
-5°	12258.1	12253.3	12218.4	12198.2	12157.9	12047.1	11955.9	11879.4	11791.8	11662.0	11577.3
-7°	12091.6	12032.3	12016.9	11984.3	11864.0	11767.5	11658.4	11570.7	11449.3	11375.2	11314.8
-9°	11662.0	11634.1	11641.3	11598.6	11455.2	11374.6	11300.0	11226.5	11153.0	11098.5	11058.2
-11°	11172.0	11121.6	11160.1	11123.4	11052.3	11017.9	10993.6	10952.7	10925.5	10889.9	10844.9
-13°	10796.3	10772.6	10804.6	10786.8	10748.9	10750.7	10744.2	10725.8	10709.2	10664.8	10585.4
-15°	10575.3	10546.9	10558.7	10564.6	10549.2	10543.9	10538.6	10519.0	10490.6	10435.5	10337.1
-17°	10160.0	10113.7	10130.3	10131.5	10128.5	10112.5	10137.4	10125.0	10119.7	10081.7	9991.7
-19.5°	9598.2	9579.3	9577.5	9580.5	9588.8	9591.7	9604.8	9604.2	9598.2	9552.0	9459.6
-22.5°	9399.2	9396.2	9385.5	9393.2	9388.5	9382.6	9379.0	9362.4	9323.9	9281.8	9172.2
-25.5°	9139.0	9133.7	9149.7	9133.7	9109.4	9096.4	9064.4	9030.0	8993.3	8964.8	8851.7
-29°	8772.3	8769.3	8756.3	8745.6	8708.9	8670.4	8618.2	8583.3	8510.4	8464.2	8329.1
-33°	8325.5	8311.3	8290.5	8275.1	8253.2	8217.7	8183.9	8121.1	8050.6	7981.8	7853.3
-37.5°	7903.6	7920.8	7904.8	7901.3	7873.4	7831.9	7782.8	7724.1	7658.3	7584.9	7467.5
-42.5°	7177.8	7179.6	7175.4	7146.4	7091.9	7045.7	6990.0	6956.2	6936.6	6894.6	6783.2
-47.5°	4632.9	4643.0	4644.2	4656.6	4631.7	4612.2	4596.2	4576.0	4568.9	4919.1	4659.0
-55°	937.4	941.5	965.8	1006.7	1029.8	1041.7	1013.2	988.3	989.5	1096.2	1241.9
-65°	712.2	708.7	706.3	701.0	696.8	689.7	696.2	703.9	699.2	712.2	727.6
-75°	87.1	87.7	88.3	87.7	80.0	87.7	97.8	94.2	99.0	102.5	101.9
-85°	14.8	14.2	19.6	24.3	26.7	31.4	35.6	38.5	39.7	40.3	40.3
-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):

	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°	23.1	21.9	20.7	20.1	20.7	22.5	25.5	30.2	38.5	42.1	45.0
75°	14.8	14.8	16.0	20.7	21.3	24.3	27.3	31.4	39.1	42.7	45.6
65°	159.4	95.4	69.3	58.7	47.4	40.9	40.9	44.4	46.8	45.6	46.2
55°	1070.1	963.4	869.8	803.5	629.8	424.8	289.2	99.0	69.9	49.2	46.8
47.5°	3044.4	2861.3	2697.2	2524.7	2365.9	1701.7	1110.4	210.3	101.9	53.3	47.4
42.5°	4075.9	3522.5	3725.8	3533.8	3268.9	2963.8	2282.4	760.2	116.1	59.8	47.4
37.5°	8927.5	8576.1	8263.3	7696.8	6996.5	5940.6	5048.9	1493.2	127.4	67.0	48.0
33°	13398.7	12738.0	12181.0	11801.8	10823.0	8575.6	7234.7	2271.1	151.7	74.7	48.6
29°	14358.0	13836.5	13369.0	12853.0	12088.6	9954.3	8277.5	3293.8	180.7	81.8	48.6
25.5°	13776.7	13322.8	12901.0	12530.6	12035.9	10452.7	8695.2	4057.6	209.8	89.5	48.6
22.5°	13154.0	12698.3	12296.6	12022.8	11800.6	10623.3	8576.1	4596.8	238.8	96.0	48.6
19.5°	12650.3	12236.1	11896.0	11689.8	11611.0	10582.4	8294.1	5067.8	271.4	101.9	49.2
17°	12192.3	11864.6	11606.9	11513.3	11457.6	10445.5	8130.0	5446.4	299.2	105.5	49.2
15°	11955.3	11671.5	11485.4	11437.4	11263.8	10286.2	8032.2	5718.4	315.8	109.0	49.2
13°	11798.3	11569.0	11441.6	11313.6	11029.8	10120.8	7984.2	5972.0	327.7	111.4	49.2
11°	11701.1	11523.3	11375.2	11135.8	10770.8	9998.8	7981.8	6185.3	333.6	113.8	49.8
9°	11730.1	11520.4	11278.6	10941.5	10563.5	9899.2	8006.7	6351.2	332.4	115.5	49.8
7°	11772.8	11532.2	11185.0	10759.6	10378.6	9841.2	8042.3	6485.1	325.9	117.3	49.8
5°	11811.9	11539.3	11138.2	10609.1	10225.1	9779.6	8087.9	6594.8	322.9	119.1	49.8
3°	11814.9	11528.7	11075.4	10460.4	10101.9	9735.7	8138.3	6681.9	320.0	120.3	49.8
1°	11770.4	11461.1	10981.8	10326.4	10010.6	9696.0	8191.0	6730.4	318.2	119.7	49.8
0°	11736.1	11393.6	10916.0	10266.0	9950.2	9669.3	8217.7	6742.9	313.4	118.5	49.8
-1°	11669.7	11340.3	10844.9	10229.3	9908.1	9630.2	8234.9	6732.2	311.1	117.9	49.8
-3°	11530.5	11186.8	10732.9	10135.7	9799.1	9547.3	8268.0	6710.3	312.9	116.7	49.8
-5°	11345.6	11031.5	10616.2	10030.8	9674.1	9441.8	8272.2	6651.6	317.0	116.1	49.8
-7°	11145.3	10853.2	10432.5	9873.8	9511.1	9287.8	8245.5	6561.6	311.1	116.1	49.8
-9°	10897.6	10595.5	10175.9	9671.7	9335.2	9113.6	8187.4	6439.5	308.7	116.7	49.8
-11°	10637.5	10318.2	9920.6	9470.8	9145.0	8932.8	8108.1	6297.9	308.7	116.1	50.4
-13°	10370.9	10039.7	9673.5	9272.9	8978.5	8723.7	7999.6	6126.1	306.3	117.3	49.8
-15°	10101.9	9766.5	9453.1	9089.3	8824.4	8541.2	7869.9	5913.9	305.1	119.1	49.8
-17°	9751.1	9462.0	9199.5	8897.9	8644.9	8374.7	7727.1	5676.3	302.2	120.3	49.8
-19.5°	9231.5	8984.4	8790.6	8597.5	8406.7	8155.5	7551.1	5336.8	294.5	120.9	49.8
-22.5°	8929.3	8676.3	8480.7	8309.5	8159.6	7958.1	7353.8	4887.1	281.4	120.9	49.8
-25.5°	8624.1	8394.8	8188.6	8012.1	7908.4	7778.6	7191.4	4387.6	271.4	119.1	49.8
-29°	8150.7	7978.9	7787.5	7608.6	7526.8	7451.5	6953.2	3737.0	265.4	115.5	49.8
-33°	7675.5	7500.1	7298.1	7088.3	7003.6	6965.7	6376.1	2889.1	264.9	109.0	49.8
-37.5°	7298.1	7112.6	6876.8	6622.6	6411.7	6249.3	5461.3	2148.5	260.1	99.0	49.8
-42.5°	6616.1	6498.2	6202.5	6000.5	5592.8	4961.8	3863.8	1393.6	238.8	83.0	49.2
-47.5°	4422.6	4282.7	4180.8	4050.5	3685.5	2866.6	1967.8	516.1	216.3	65.2	49.2
-55°	1217.0	1138.2	1200.4	1045.2	831.9	611.5	513.7	190.8	168.9	56.3	48.6
-65°	788.6	814.1	597.9	372.1	232.3	175.4	251.2	113.2	86.5	51.5	48.0
-75°	96.0	84.7	67.5	74.7	79.4	72.3	67.0	48.6	48.0	48.0	47.4
-85°	39.1	37.9	36.7	36.1	35.0	34.4	35.0	36.7	41.5	45.6	46.2
-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):

	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)