

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: P571644

Luminaire Tested: **UFLD-CA2-130-730-U-66-TS2_UFLD**

Issue Date: 9/21/2021

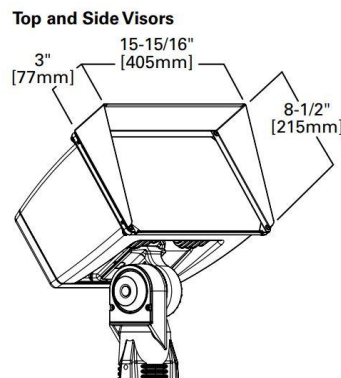
Test Information

Test Method: LM-79-08
Report Number: P571644
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2109-378-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UFLD-CA2-130-730-U-66-TS2_UFLD
Description: FLOOD LIGHT, 6x6 OPTIC WITH TOP AND SIDE VISOR
Light Source: (2) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

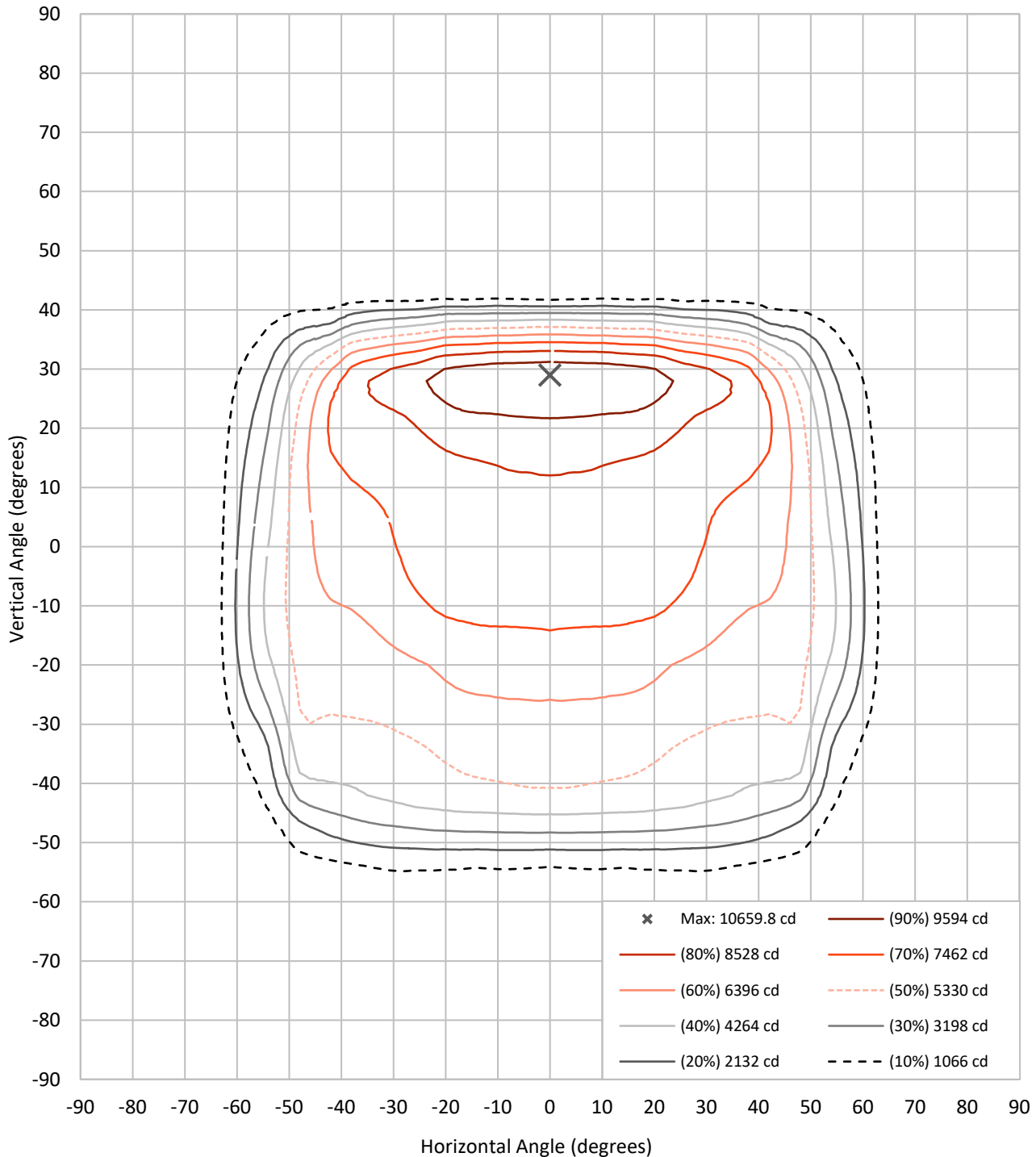
Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	17618 lumens	Max Intensity:	10659.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	132.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.25' x L: 0.67' x H: 0')		
Beam Angle (50%):	91.9°H x 77.9°V	Field Angle (10%):	119.5°H x 95.8°V
Beam Lumens:	13563.6 lumens	Field Lumens:	17168.1 lumens
Beam Efficiency:	77.0%	Field Efficiency:	97.4%

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: 25 FT



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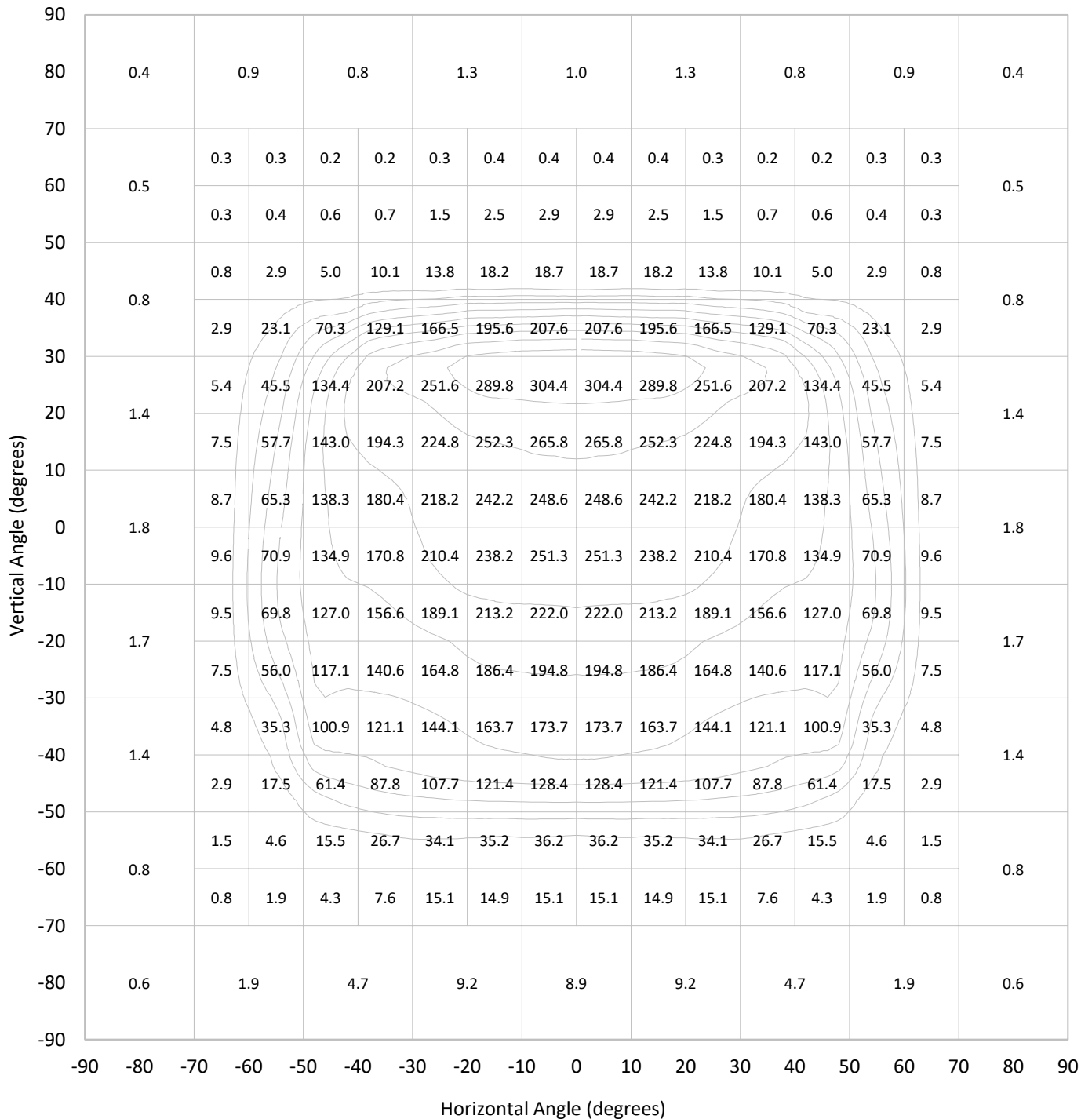
Iso-Candela Plot





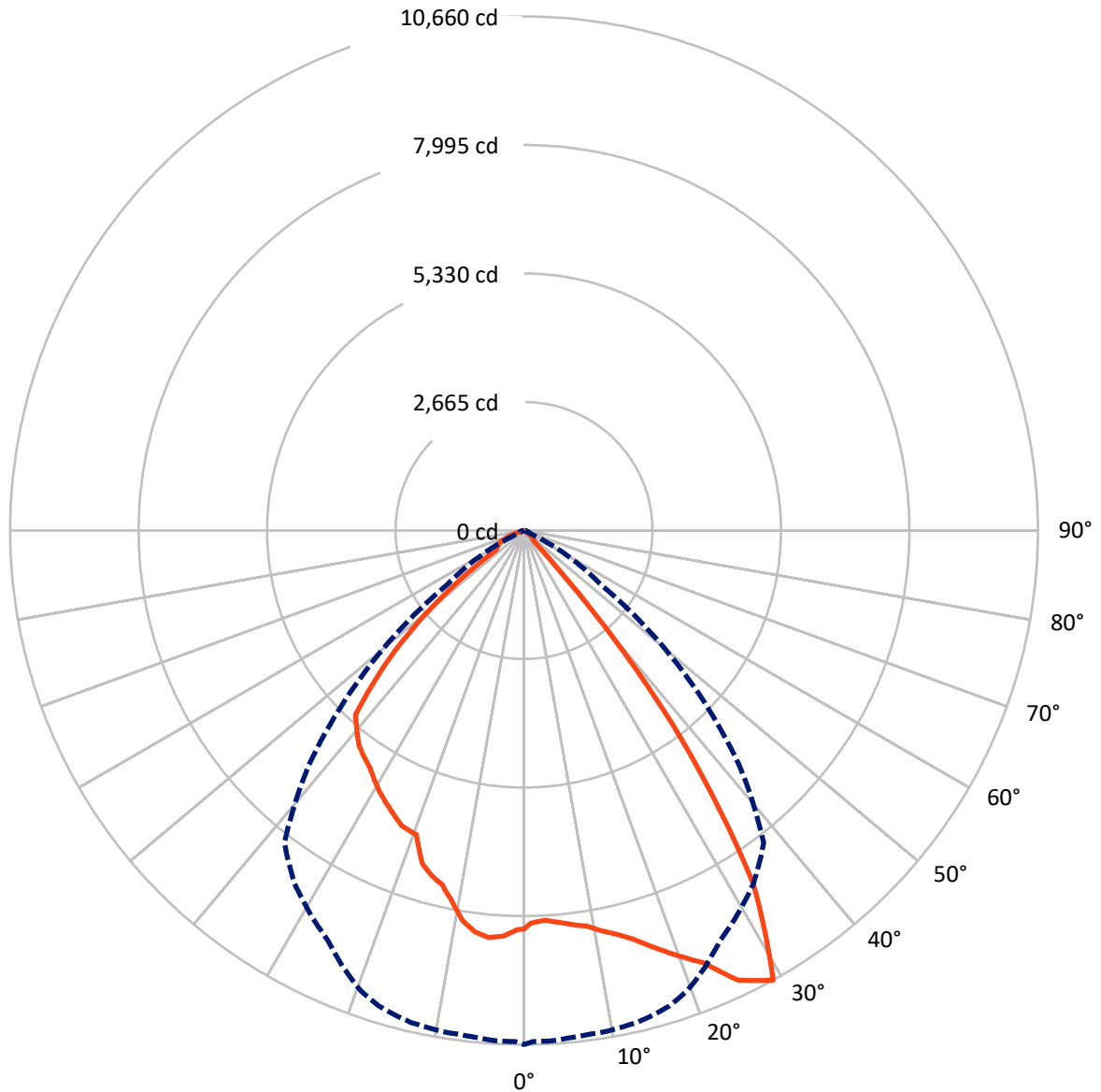
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Lumen Table



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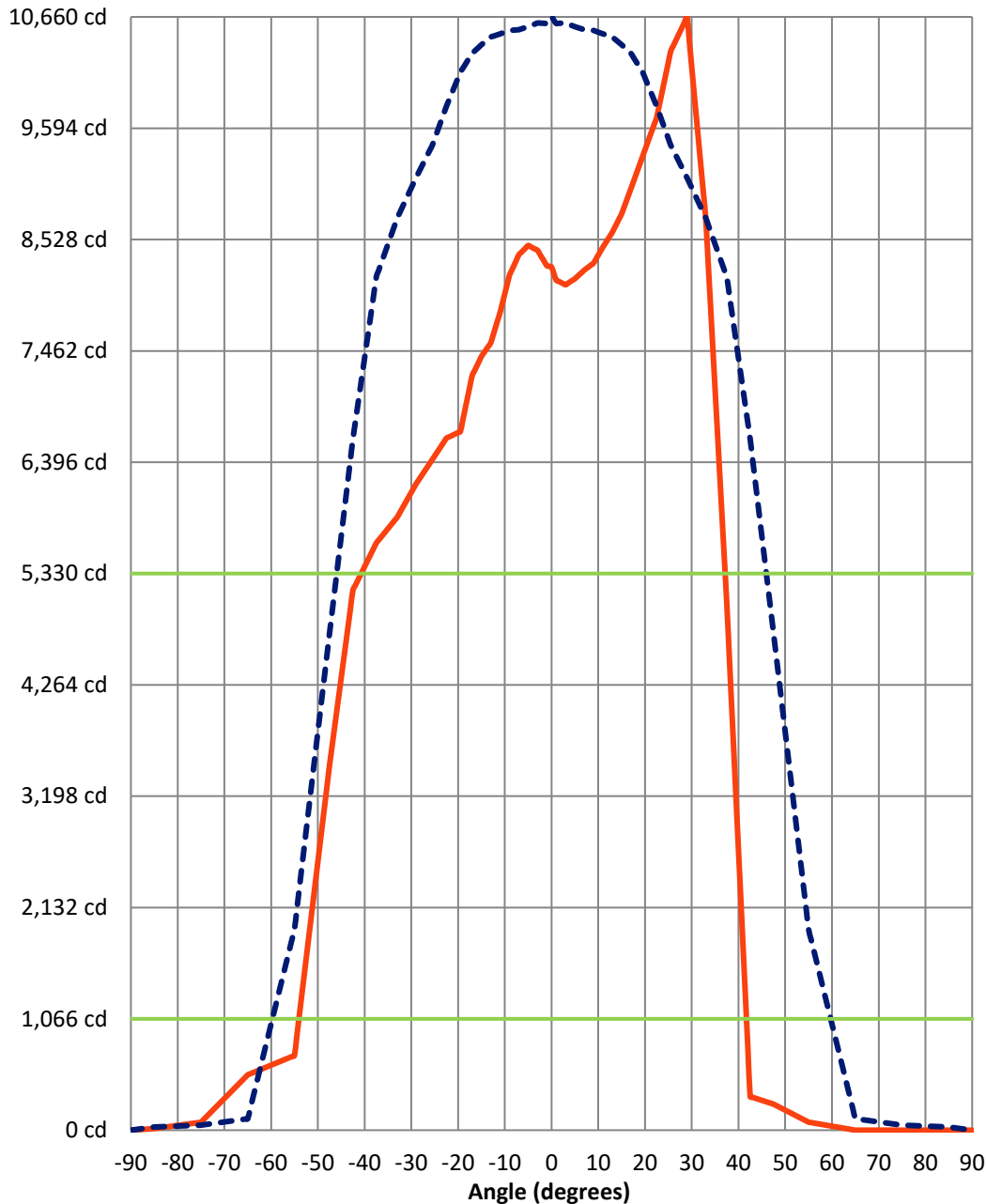
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 91.9°
 V Angle: 77.9°
 Lumens: 13563.6
 Efficiency: 77.0%

Field:
 H Angle: 119.5°
 V Angle: 95.8°
 Lumens: 17168.1
 Efficiency: 97.4%

Spill:
 Lumens: 449.9
 Efficiency: 2.6%

- 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	4.8	12.0	15.2	16.0	17.6	17.6	19.2	19.2	18.4	17.6
75°	0.0	1.6	4.8	7.2	8.8	10.4	11.2	11.2	11.2	10.4	10.4
65°	0.0	0.8	3.2	4.8	6.4	7.2	7.2	8.0	8.0	8.0	7.2
55°	77.0	79.4	77.8	77.0	77.0	75.4	72.2	67.3	61.7	62.5	58.5
47.5°	249.3	246.9	247.7	246.1	243.7	236.5	232.5	229.3	226.9	226.1	215.7
42.5°	322.3	332.7	363.2	428.1	497.1	570.8	574.8	518.7	450.6	376.0	523.5
37.5°	5042.1	5119.9	5017.2	4990.0	4854.5	4883.3	4859.3	4783.1	4777.5	4820.8	4767.9
33°	8727.7	8756.5	8702.8	8688.4	8660.3	8660.3	8629.8	8493.5	8394.9	8334.0	8314.8
29°	10659.8	10597.3	10601.3	10566.0	10537.2	10529.9	10497.1	10467.4	10392.9	10310.3	10129.9
25.5°	10331.1	10299.0	10314.3	10255.8	10245.3	10202.0	10206.0	10166.0	10111.4	10025.7	9833.2
22.5°	9696.9	9701.0	9698.6	9668.1	9656.9	9617.6	9570.3	9561.5	9556.6	9494.1	9353.8
19.5°	9325.7	9286.5	9272.8	9292.9	9259.2	9209.5	9155.8	9119.7	9076.4	9058.8	9006.7
17°	9016.3	8974.6	8993.0	8964.2	8941.7	8876.8	8819.9	8770.9	8748.5	8717.2	8641.1
15°	8774.2	8741.3	8735.7	8714.0	8730.9	8651.5	8617.8	8576.1	8530.4	8484.7	8423.0
13°	8597.0	8605.0	8591.4	8534.4	8560.1	8496.8	8455.1	8402.2	8363.7	8322.0	8287.5
11°	8455.9	8466.3	8411.8	8409.4	8421.4	8338.8	8326.8	8265.1	8243.4	8247.4	8155.2
9°	8302.7	8326.0	8345.2	8319.6	8301.1	8268.3	8249.0	8226.6	8185.7	8192.1	8168.8
7°	8234.6	8215.3	8210.5	8247.4	8218.6	8187.3	8154.4	8166.4	8174.5	8196.9	8168.8
5°	8152.8	8164.0	8171.3	8148.8	8144.8	8156.8	8136.0	8160.0	8167.2	8327.6	8377.3
3°	8094.3	8136.0	8114.3	8087.1	8106.3	8124.8	8168.0	8172.1	8249.8	8343.6	8370.9
1°	8139.2	8168.8	8171.3	8171.3	8190.5	8249.8	8254.6	8278.7	8335.6	8374.9	8396.5
0°	8265.1	8246.6	8257.8	8241.0	8287.5	8318.0	8322.0	8302.7	8344.4	8477.5	8477.5
-1°	8277.9	8285.9	8318.8	8327.6	8315.6	8353.2	8294.7	8299.5	8319.6	8398.1	8324.4
-3°	8424.6	8427.0	8423.0	8426.2	8407.0	8396.5	8355.6	8322.8	8275.5	8200.9	8138.4
-5°	8471.1	8476.7	8455.9	8446.2	8403.0	8333.2	8311.6	8255.4	8178.5	8095.1	8035.0
-7°	8381.3	8382.9	8315.6	8334.0	8262.6	8182.5	8127.2	8049.4	7994.1	7913.1	7853.0
-9°	8185.7	8156.8	8110.3	8095.9	8028.5	7929.9	7854.6	7796.0	7768.0	7720.7	7734.3
-11°	7831.3	7808.1	7810.5	7771.2	7719.9	7676.6	7639.7	7615.7	7598.8	7578.8	7549.9
-13°	7539.5	7527.5	7487.4	7499.4	7473.7	7482.6	7490.6	7481.0	7460.9	7434.5	7392.8
-15°	7408.8	7399.2	7381.5	7367.9	7365.5	7365.5	7362.3	7358.3	7340.7	7274.9	7210.8
-17°	7222.0	7197.9	7196.3	7192.3	7183.5	7188.3	7178.7	7161.9	7157.1	7113.0	7050.4
-19.5°	6690.5	6702.5	6700.9	6718.5	6699.3	6732.1	6744.2	6745.0	6720.1	6692.1	6639.9
-22.5°	6625.5	6588.6	6593.4	6603.9	6585.4	6578.2	6575.0	6578.2	6553.4	6520.5	6436.3
-25.5°	6421.9	6436.3	6437.1	6416.3	6419.5	6422.7	6385.0	6382.6	6357.7	6321.7	6230.3
-29°	6187.0	6195.8	6175.7	6177.3	6143.7	6129.2	6085.1	6059.5	6018.6	5994.5	5905.6
-33°	5870.3	5890.3	5871.9	5866.3	5833.4	5807.7	5770.9	5752.4	5687.5	5629.0	5562.4
-37.5°	5621.7	5599.3	5593.7	5604.9	5561.6	5547.2	5511.9	5481.4	5435.7	5378.8	5294.6
-42.5°	5169.6	5198.4	5188.0	5155.1	5136.7	5082.2	5060.5	5033.3	5015.6	5006.8	4911.4
-47.5°	3494.7	3510.0	3505.2	3493.9	3481.9	3477.1	3453.9	3435.4	3431.4	3417.0	3371.3
-55°	715.1	733.6	747.2	780.9	795.3	816.2	796.9	760.8	754.4	829.8	823.4
-65°	529.9	527.5	525.1	522.7	518.7	517.1	521.1	524.3	521.9	532.3	553.2
-75°	76.2	75.4	77.8	78.6	73.0	73.0	85.0	82.6	85.8	85.8	86.6
-85°	15.2	13.6	15.2	22.4	23.3	26.5	28.9	31.3	32.1	32.1	32.1
-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):

	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°	16.0	14.4	12.8	11.2	9.6	10.4	12.0	15.2	21.6	24.9	27.3
75°	9.6	8.8	8.0	8.0	8.0	9.6	11.2	14.4	20.8	24.1	28.1
65°	7.2	6.4	5.6	5.6	5.6	7.2	11.2	15.2	21.6	24.9	28.1
55°	52.9	38.5	21.6	22.4	22.4	23.3	24.1	20.0	24.9	27.3	28.9
47.5°	183.6	129.9	78.6	61.7	61.7	53.7	46.5	35.3	45.7	29.7	28.9
42.5°	514.7	235.7	378.4	404.9	351.2	157.1	206.8	234.9	58.5	33.7	29.7
37.5°	4378.3	4192.3	3942.1	3733.7	3255.8	2054.8	1858.4	817.0	69.8	38.5	29.7
33°	8022.1	7592.4	7383.1	6950.2	6617.5	4843.3	3737.7	1390.2	91.4	43.3	30.5
29°	9802.8	9431.6	9118.9	8734.9	8168.0	6617.5	4757.5	1923.4	109.8	48.1	30.5
25.5°	9536.6	9235.1	8932.1	8648.3	8343.6	7307.0	5385.2	2308.2	127.5	53.7	30.5
22.5°	9082.8	8753.3	8472.7	8305.9	8133.6	7533.1	5720.4	2576.8	144.3	59.3	31.3
19.5°	8738.1	8444.6	8187.3	8017.3	8002.1	7573.2	5907.2	2794.8	164.4	68.9	31.3
17°	8425.4	8184.1	7978.0	7900.3	7938.7	7468.9	6043.5	2975.2	182.8	75.4	31.3
15°	8214.5	8024.5	7857.8	7839.3	7813.7	7351.1	6145.3	3128.4	198.0	78.6	31.3
13°	8119.1	7951.6	7821.7	7804.1	7655.7	7212.4	6200.6	3268.7	210.1	81.0	31.3
11°	8007.7	7896.3	7828.1	7688.6	7481.0	7037.6	6204.6	3390.5	222.1	85.0	31.3
9°	8026.9	7881.8	7773.6	7554.7	7310.2	6949.4	6204.6	3501.2	219.7	87.4	31.3
7°	8035.8	7900.3	7676.6	7421.6	7176.3	6862.0	6220.6	3611.0	209.3	90.6	31.3
5°	8077.4	7881.0	7628.5	7317.4	7066.5	6799.5	6168.5	3723.2	205.2	93.0	31.3
3°	8079.9	7879.4	7608.4	7214.0	6989.5	6740.2	6162.1	3819.5	204.4	93.8	32.1
1°	8082.3	7871.4	7545.9	7111.4	6923.8	6710.5	6153.3	3926.9	206.8	93.8	32.1
0°	8070.2	7835.3	7519.4	7085.7	6882.9	6688.0	6163.7	3983.8	208.5	92.2	32.1
-1°	8056.6	7786.4	7454.5	7049.6	6851.6	6679.2	6152.5	4039.9	208.5	91.4	32.1
-3°	7956.4	7706.2	7393.6	7016.0	6797.1	6626.3	6110.8	4136.1	214.9	91.4	32.1
-5°	7852.2	7616.5	7328.6	6925.4	6730.5	6561.4	6122.0	4193.1	218.1	91.4	32.1
-7°	7748.7	7502.6	7237.2	6885.3	6632.7	6463.6	6092.4	4266.8	218.9	90.6	32.1
-9°	7580.4	7367.1	7084.9	6738.6	6505.3	6391.4	6081.9	4303.7	220.5	90.6	32.1
-11°	7438.5	7185.1	6930.2	6610.3	6381.8	6271.9	6032.2	4298.9	222.1	89.8	32.1
-13°	7240.4	7014.4	6782.7	6481.2	6276.0	6135.7	5981.7	4270.0	221.3	90.6	32.1
-15°	7061.7	6840.4	6607.1	6370.6	6157.3	5991.3	5906.4	4204.3	221.3	90.6	32.1
-17°	6880.5	6666.4	6447.5	6219.8	6038.6	5906.4	5850.2	4080.0	219.7	89.8	32.1
-19.5°	6474.8	6312.0	6175.7	6051.5	5899.1	5744.4	5762.0	3854.7	214.1	89.8	32.1
-22.5°	6270.3	6104.4	5965.7	5840.6	5720.4	5567.2	5669.0	3513.2	205.2	88.2	32.1
-25.5°	6085.1	5925.6	5782.9	5658.6	5576.8	5483.0	5584.9	3070.6	196.4	86.6	32.1
-29°	5771.7	5640.2	5522.3	5398.9	5333.1	5293.8	5450.2	2479.0	190.0	83.4	31.3
-33°	5422.9	5310.7	5195.2	5028.5	4957.9	4958.7	5133.5	1738.2	186.0	78.6	31.3
-37.5°	5177.6	5053.3	4880.9	4696.5	4567.5	4590.7	4626.0	1359.7	188.4	71.4	31.3
-42.5°	4783.9	4717.4	4508.9	4328.6	4092.8	3853.9	3498.0	1015.8	165.2	59.3	31.3
-47.5°	3344.8	3248.6	3160.4	3060.2	2841.3	2446.1	1869.6	401.7	147.5	46.5	31.3
-55°	873.1	862.7	918.8	845.0	691.9	516.3	449.8	153.9	111.4	40.1	31.3
-65°	601.3	624.5	490.7	326.3	165.2	140.3	218.9	83.4	60.9	35.3	30.5
-75°	84.2	75.4	59.3	62.5	65.7	61.7	56.1	34.5	34.5	32.1	29.7
-85°	31.3	29.7	28.9	28.1	26.5	24.9	24.9	25.7	28.9	31.3	29.7
-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):

	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)