

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: P571648

Luminaire Tested: **UFLD-CA2-150-722-U-66-TS2_UFLD**

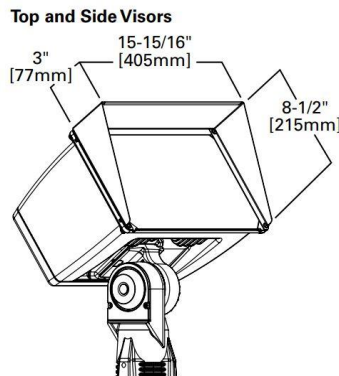
Issue Date: 9/21/2021

Test Information

Test Method: LM-79-08
Report Number: P571648
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-CA2-150-722-U-66-TS2_UFLD
Description: FLOOD LIGHT, 6x6 OPTIC WITH TOP AND SIDE VISOR
Light Source: (2) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

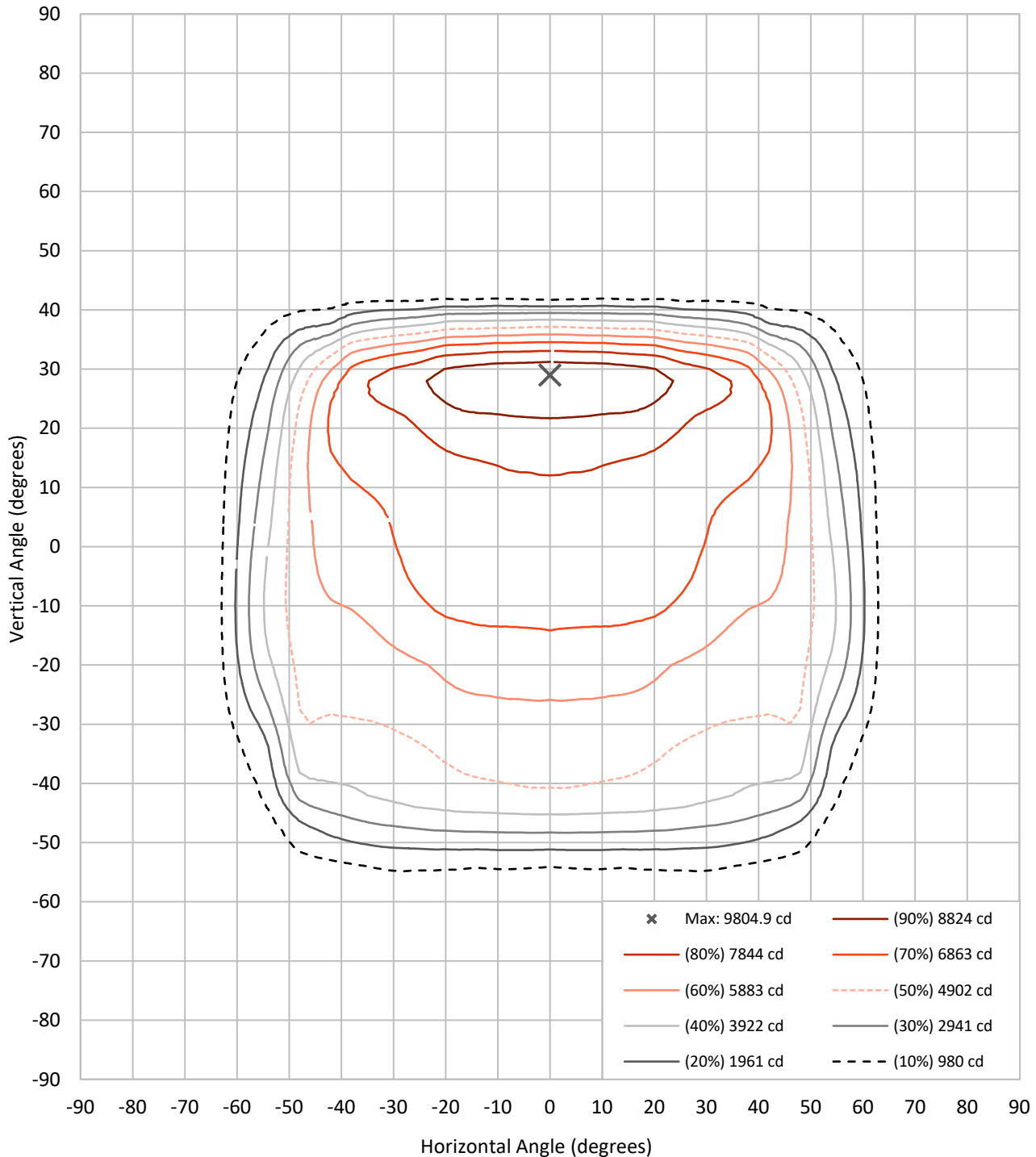
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	16205 lumens	Max Intensity:	9804.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	107.1 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:	12475.8 lumens	Field Lumens:	15791.1 lumens
Beam Efficiency:	77.0%	Field Efficiency:	97.4%
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:	25 FT		



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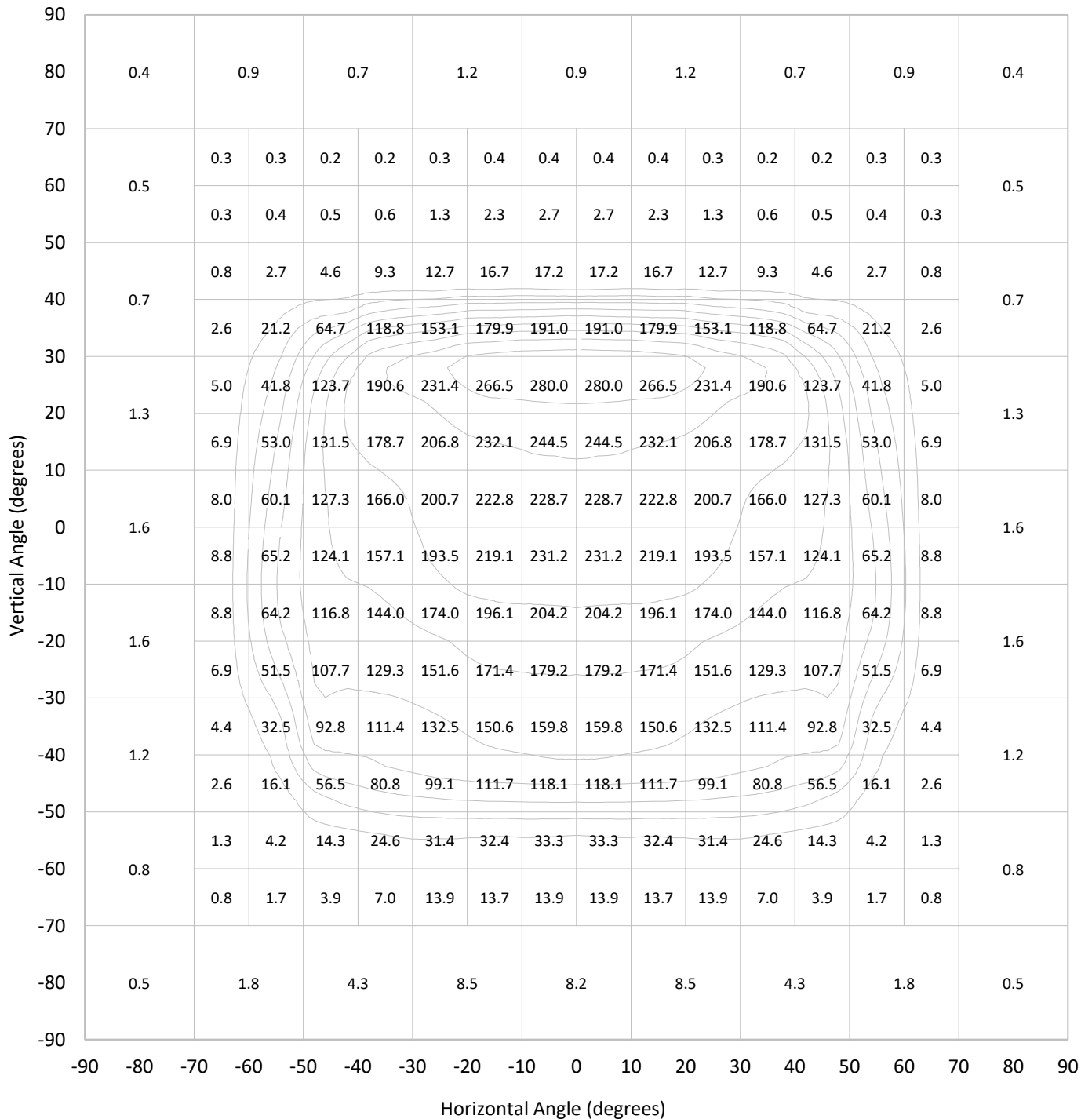
Iso-Candela Plot





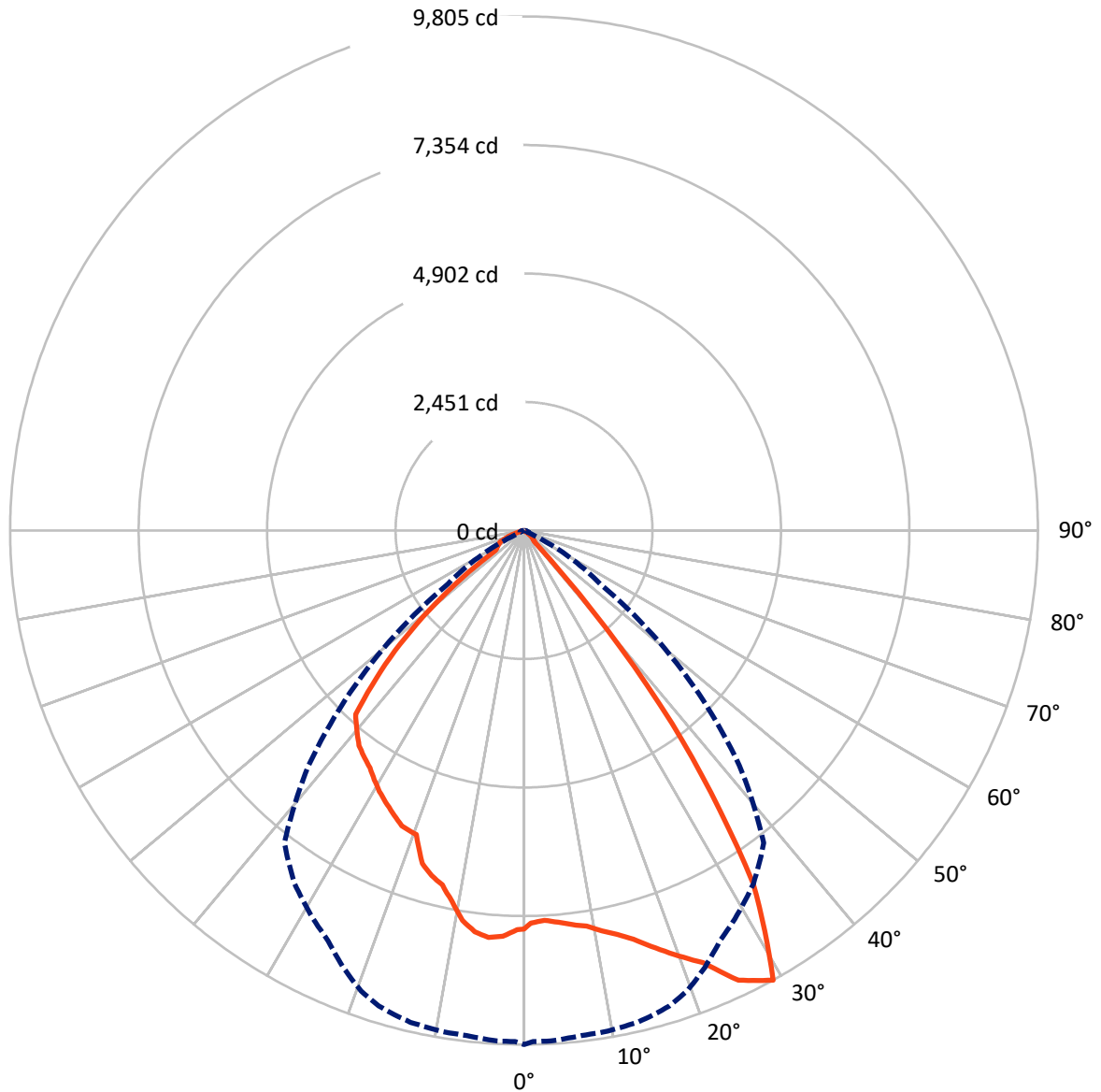
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Lumen Table



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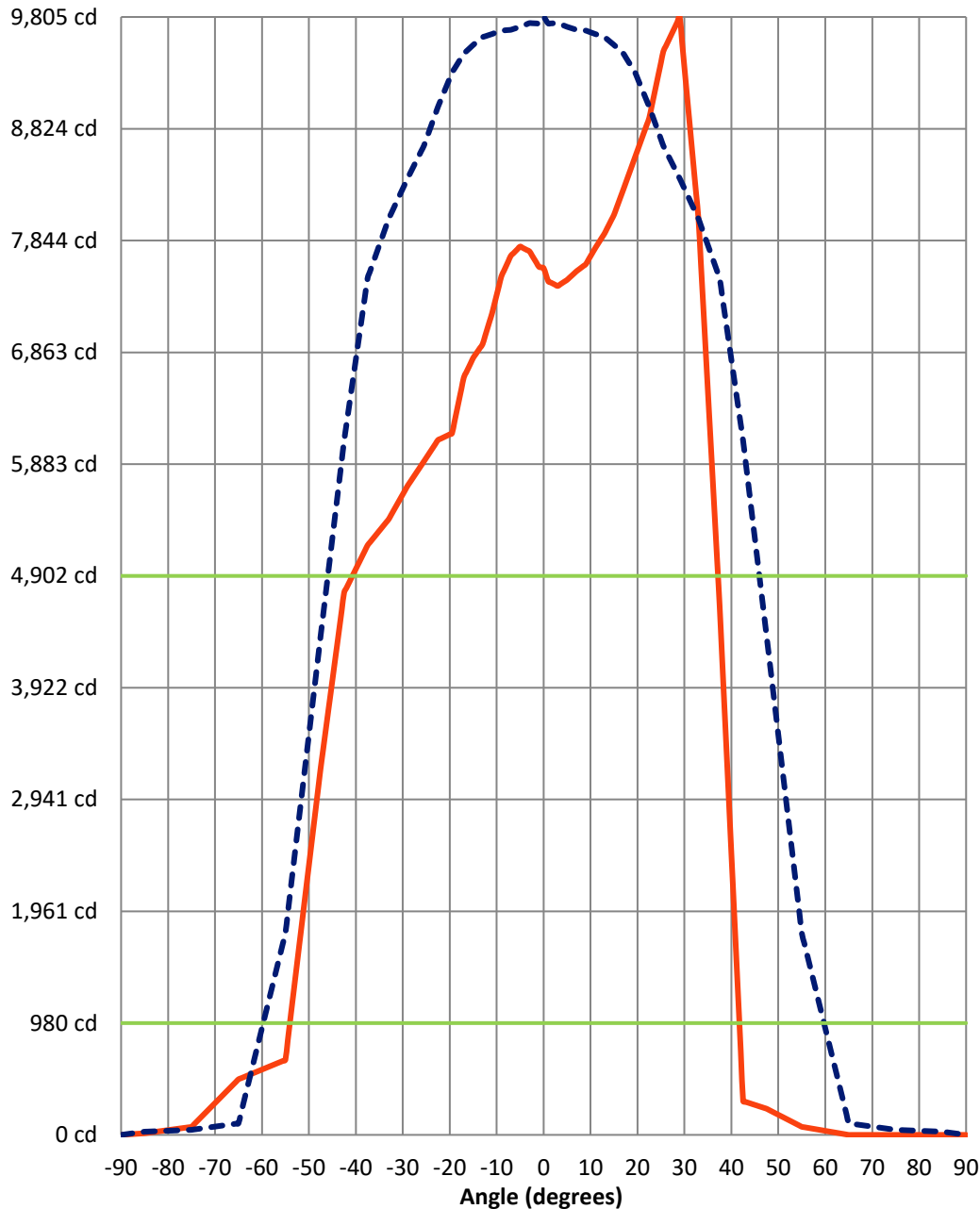
Luminous Intensity Polar Plot



— 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: 12475.8
 Efficiency: 77.0%

Field:
 H Angle: 119.5°
 V Angle: 95.8°
 Lumens: 15791.1
 Efficiency: 97.4%

Spill:
 Lumens: 413.9
 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	4.4	11.1	14.0	14.7	16.2	16.2	17.7	17.7	17.0	16.2
75°	0.0	1.5	4.4	6.6	8.1	9.6	10.3	10.3	10.3	9.6	9.6
65°	0.0	0.7	2.9	4.4	5.9	6.6	6.6	7.4	7.4	7.4	6.6
55°	70.8	73.0	71.5	70.8	70.8	69.3	66.4	61.9	56.8	57.5	53.8
47.5°	229.3	227.1	227.9	226.4	224.2	217.5	213.9	210.9	208.7	208.0	198.4
42.5°	296.4	306.0	334.1	393.8	457.2	525.1	528.7	477.1	414.4	345.9	481.5
37.5°	4637.7	4709.2	4614.8	4589.8	4465.1	4491.7	4469.6	4399.5	4394.4	4434.2	4385.5
33°	8027.7	8054.2	8004.8	7991.5	7965.7	7965.7	7937.7	7812.3	7721.6	7665.6	7647.9
29°	9804.9	9747.4	9751.1	9718.6	9692.1	9685.4	9655.2	9627.9	9559.3	9483.4	9317.4
25.5°	9502.5	9473.0	9487.1	9433.2	9423.6	9383.8	9387.5	9350.6	9300.5	9221.6	9044.6
22.5°	8919.2	8922.9	8920.7	8892.7	8882.4	8846.2	8802.7	8794.6	8790.2	8732.7	8603.6
19.5°	8577.8	8541.7	8529.1	8547.6	8516.6	8470.9	8421.5	8388.3	8348.5	8332.2	8284.3
17°	8293.2	8254.8	8271.8	8245.2	8224.6	8164.8	8112.5	8067.5	8046.9	8018.1	7948.0
15°	8070.4	8040.2	8035.1	8015.1	8030.6	7957.6	7926.6	7888.3	7846.3	7804.2	7747.5
13°	7907.5	7914.9	7902.3	7850.0	7873.6	7815.3	7777.0	7728.3	7692.9	7654.5	7622.8
11°	7777.7	7787.3	7737.1	7734.9	7746.0	7670.0	7659.0	7602.2	7582.3	7586.0	7501.2
9°	7636.8	7658.2	7675.9	7652.3	7635.4	7605.1	7587.4	7566.8	7529.2	7535.1	7513.7
7°	7574.2	7556.5	7552.0	7586.0	7559.4	7530.6	7500.4	7511.5	7518.9	7539.5	7513.7
5°	7498.9	7509.3	7515.9	7495.3	7491.6	7502.6	7483.5	7505.6	7512.2	7659.7	7705.4
3°	7445.1	7483.5	7463.5	7438.5	7456.2	7473.1	7513.0	7516.6	7588.2	7674.4	7699.5
1°	7486.4	7513.7	7515.9	7515.9	7533.6	7588.2	7592.6	7614.7	7667.1	7703.2	7723.1
0°	7602.2	7585.2	7595.5	7580.1	7622.8	7650.9	7654.5	7636.8	7675.2	7797.6	7797.6
-1°	7614.0	7621.4	7651.6	7659.7	7648.6	7683.3	7629.5	7633.9	7652.3	7724.6	7656.7
-3°	7748.9	7751.1	7747.5	7750.4	7732.7	7723.1	7685.5	7655.3	7611.8	7543.2	7485.7
-5°	7791.7	7796.9	7777.7	7768.8	7729.0	7664.9	7645.0	7593.3	7522.5	7445.8	7390.5
-7°	7709.1	7710.6	7648.6	7665.6	7600.0	7526.2	7475.3	7403.8	7352.9	7278.4	7223.1
-9°	7529.2	7502.6	7459.9	7446.6	7384.6	7293.9	7224.6	7170.8	7145.0	7101.5	7114.0
-11°	7203.2	7181.8	7184.1	7147.9	7100.7	7060.9	7027.0	7004.9	6989.4	6970.9	6944.4
-13°	6934.8	6923.7	6886.9	6897.9	6874.3	6882.4	6889.8	6881.0	6862.5	6838.2	6799.9
-15°	6814.6	6805.8	6789.5	6777.0	6774.8	6774.8	6771.8	6768.1	6751.9	6691.5	6632.5
-17°	6642.8	6620.7	6619.2	6615.5	6607.4	6611.8	6603.0	6587.5	6583.0	6542.5	6485.0
-19.5°	6153.9	6164.9	6163.5	6179.7	6162.0	6192.2	6203.3	6204.0	6181.1	6155.3	6107.4
-22.5°	6094.1	6060.2	6064.6	6074.2	6057.3	6050.6	6047.7	6050.6	6027.8	5997.5	5920.1
-25.5°	5906.8	5920.1	5920.8	5901.7	5904.6	5907.6	5872.9	5870.7	5847.8	5814.6	5730.6
-29°	5690.8	5698.9	5680.4	5681.9	5650.9	5637.7	5597.1	5573.5	5535.9	5513.8	5431.9
-33°	5399.5	5417.9	5400.9	5395.8	5365.6	5342.0	5308.0	5291.1	5231.3	5177.5	5116.3
-37.5°	5170.9	5150.2	5145.1	5155.4	5115.6	5102.3	5069.8	5041.8	4999.8	4947.4	4870.0
-42.5°	4755.0	4781.5	4771.9	4741.7	4724.7	4674.6	4654.7	4629.6	4613.4	4605.3	4517.5
-47.5°	3214.5	3228.5	3224.0	3213.7	3202.7	3198.2	3176.9	3159.9	3156.2	3142.9	3100.9
-55°	657.8	674.7	687.3	718.3	731.5	750.7	733.0	699.8	693.9	763.2	757.3
-65°	487.4	485.2	483.0	480.8	477.1	475.6	479.3	482.3	480.1	489.7	508.8
-75°	70.1	69.3	71.5	72.3	67.1	67.1	78.2	76.0	78.9	78.9	79.6
-85°	14.0	12.5	14.0	20.6	21.4	24.3	26.5	28.8	29.5	29.5	29.5
-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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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°	14.7	13.3	11.8	10.3	8.8	9.6	11.1	14.0	19.9	22.9	25.1
75°	8.8	8.1	7.4	7.4	7.4	8.8	10.3	13.3	19.2	22.1	25.8
65°	6.6	5.9	5.2	5.2	5.2	6.6	10.3	14.0	19.9	22.9	25.8
55°	48.7	35.4	19.9	20.6	20.6	21.4	22.1	18.4	22.9	25.1	26.5
47.5°	168.9	119.5	72.3	56.8	56.8	49.4	42.8	32.4	42.0	27.3	26.5
42.5°	473.4	216.8	348.1	372.4	323.0	144.5	190.3	216.1	53.8	31.0	27.3
37.5°	4027.1	3856.0	3625.9	3434.2	2994.7	1890.0	1709.4	751.4	64.2	35.4	27.3
33°	7378.7	6983.5	6791.0	6392.8	6086.8	4454.8	3437.9	1278.7	84.1	39.8	28.0
29°	9016.6	8675.1	8387.5	8034.3	7513.0	6086.8	4375.9	1769.1	101.0	44.2	28.0
25.5°	8771.7	8494.5	8215.7	7954.7	7674.4	6720.9	4953.3	2123.1	117.3	49.4	28.0
22.5°	8354.4	8051.3	7793.2	7639.8	7481.2	6928.9	5261.6	2370.1	132.7	54.6	28.8
19.5°	8037.3	7767.4	7530.6	7374.3	7360.3	6965.8	5433.4	2570.7	151.2	63.4	28.8
17°	7749.7	7527.7	7338.2	7266.6	7302.0	6869.9	5558.8	2736.6	168.1	69.3	28.8
15°	7555.7	7381.0	7227.6	7210.6	7187.0	6761.5	5652.4	2877.5	182.1	72.3	28.8
13°	7468.0	7313.8	7194.4	7178.2	7041.7	6633.9	5703.3	3006.5	193.2	74.5	28.8
11°	7365.5	7263.0	7200.3	7072.0	6881.0	6473.2	5707.0	3118.6	204.3	78.2	28.8
9°	7383.2	7249.7	7150.1	6948.8	6723.9	6392.1	5707.0	3220.4	202.1	80.4	28.8
7°	7391.3	7266.6	7060.9	6826.4	6600.7	6311.7	5721.7	3321.4	192.5	83.3	28.8
5°	7429.6	7249.0	7016.7	6730.5	6499.7	6254.2	5673.8	3424.6	188.8	85.5	28.8
3°	7431.8	7247.5	6998.2	6635.4	6428.9	6199.6	5667.9	3513.1	188.0	86.3	29.5
1°	7434.0	7240.1	6940.7	6541.0	6368.5	6172.3	5659.8	3611.9	190.3	86.3	29.5
0°	7423.0	7206.9	6916.4	6517.4	6330.8	6151.7	5669.4	3664.3	191.7	84.8	29.5
-1°	7410.4	7161.9	6856.6	6484.2	6302.1	6143.5	5659.0	3715.9	191.7	84.1	29.5
-3°	7318.3	7088.2	6800.6	6453.3	6251.9	6094.9	5620.7	3804.4	197.6	84.1	29.5
-5°	7222.4	7005.6	6740.9	6369.9	6190.7	6035.1	5631.0	3856.8	200.6	84.1	29.5
-7°	7127.3	6900.9	6656.8	6333.1	6100.8	5945.2	5603.7	3924.6	201.3	83.3	29.5
-9°	6972.4	6776.3	6516.7	6198.1	5983.5	5878.8	5594.2	3958.5	202.8	83.3	29.5
-11°	6841.9	6608.9	6374.4	6080.1	5870.0	5768.9	5548.4	3954.1	204.3	82.6	29.5
-13°	6659.7	6451.8	6238.7	5961.4	5772.6	5643.6	5502.0	3927.6	203.5	83.3	29.5
-15°	6495.3	6291.8	6077.2	5859.6	5663.5	5510.8	5432.7	3867.1	203.5	83.3	29.5
-17°	6328.6	6131.7	5930.4	5721.0	5554.3	5432.7	5381.0	3752.8	202.1	82.6	29.5
-19.5°	5955.5	5805.8	5680.4	5566.1	5426.0	5283.7	5299.9	3545.6	196.9	82.6	29.5
-22.5°	5767.5	5614.8	5487.2	5372.2	5261.6	5120.7	5214.4	3231.4	188.8	81.1	29.5
-25.5°	5597.1	5450.4	5319.1	5204.8	5129.6	5043.3	5136.9	2824.4	180.7	79.6	29.5
-29°	5308.8	5187.8	5079.4	4965.9	4905.4	4869.3	5013.1	2280.1	174.8	76.7	28.8
-33°	4988.0	4884.7	4778.6	4625.2	4560.3	4561.0	4721.8	1598.8	171.1	72.3	28.8
-37.5°	4762.3	4648.0	4489.5	4319.9	4201.1	4222.5	4255.0	1250.7	173.3	65.6	28.8
-42.5°	4400.3	4339.0	4147.3	3981.4	3764.6	3544.8	3217.4	934.3	151.9	54.6	28.8
-47.5°	3076.6	2988.1	2907.0	2814.8	2613.5	2249.9	1719.7	369.5	135.7	42.8	28.8
-55°	803.1	793.5	845.1	777.3	636.4	474.9	413.7	141.6	102.5	36.9	28.8
-65°	553.1	574.5	451.3	300.1	151.9	129.1	201.3	76.7	56.0	32.4	28.0
-75°	77.4	69.3	54.6	57.5	60.5	56.8	51.6	31.7	31.7	29.5	27.3
-85°	28.8	27.3	26.5	25.8	24.3	22.9	22.9	23.6	26.5	28.8	27.3
-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)