

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: P571649

Luminaire Tested: **UFLD-CA2-150-727-U-66-TS2_UFLD**

Issue Date: 9/21/2021

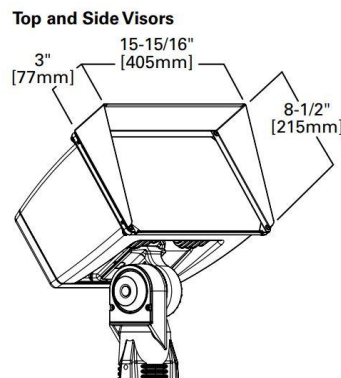
Test Information

Test Method: LM-79-08
Report Number: P571649
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-CA2-150-727-U-66-TS2_UFLD
Description: FLOOD LIGHT, 6x6 OPTIC WITH TOP AND SIDE VISOR
Light Source: (2) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

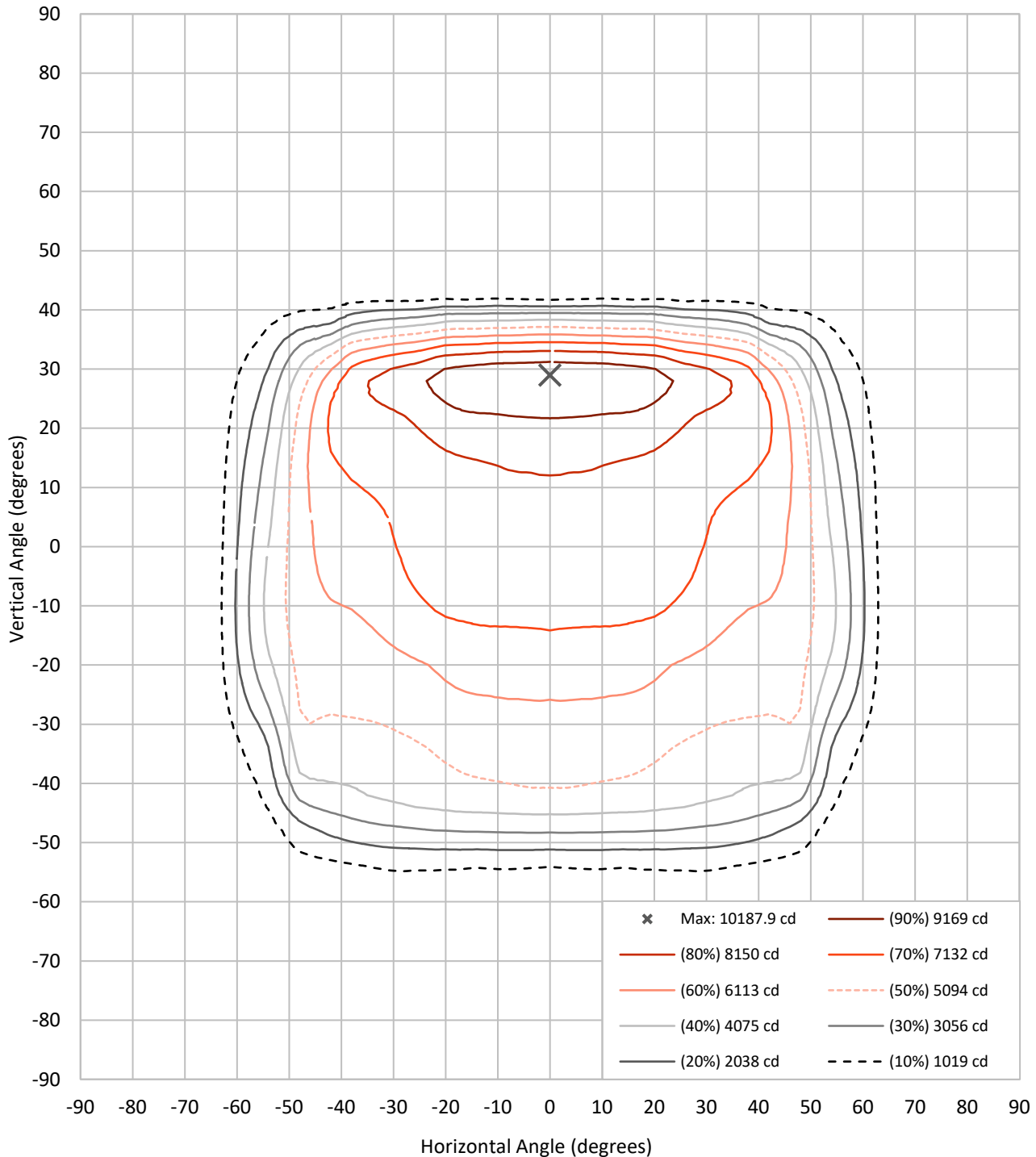
Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	16838 lumens	Max Intensity:	10187.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	111.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.25' x L: 0.67' x H: 0')		
Beam Angle (50%):	91.9°H x 77.9°V	Field Angle (10%):	119.5°H x 95.8°V
Beam Lumens:	12963.1 lumens	Field Lumens:	16408 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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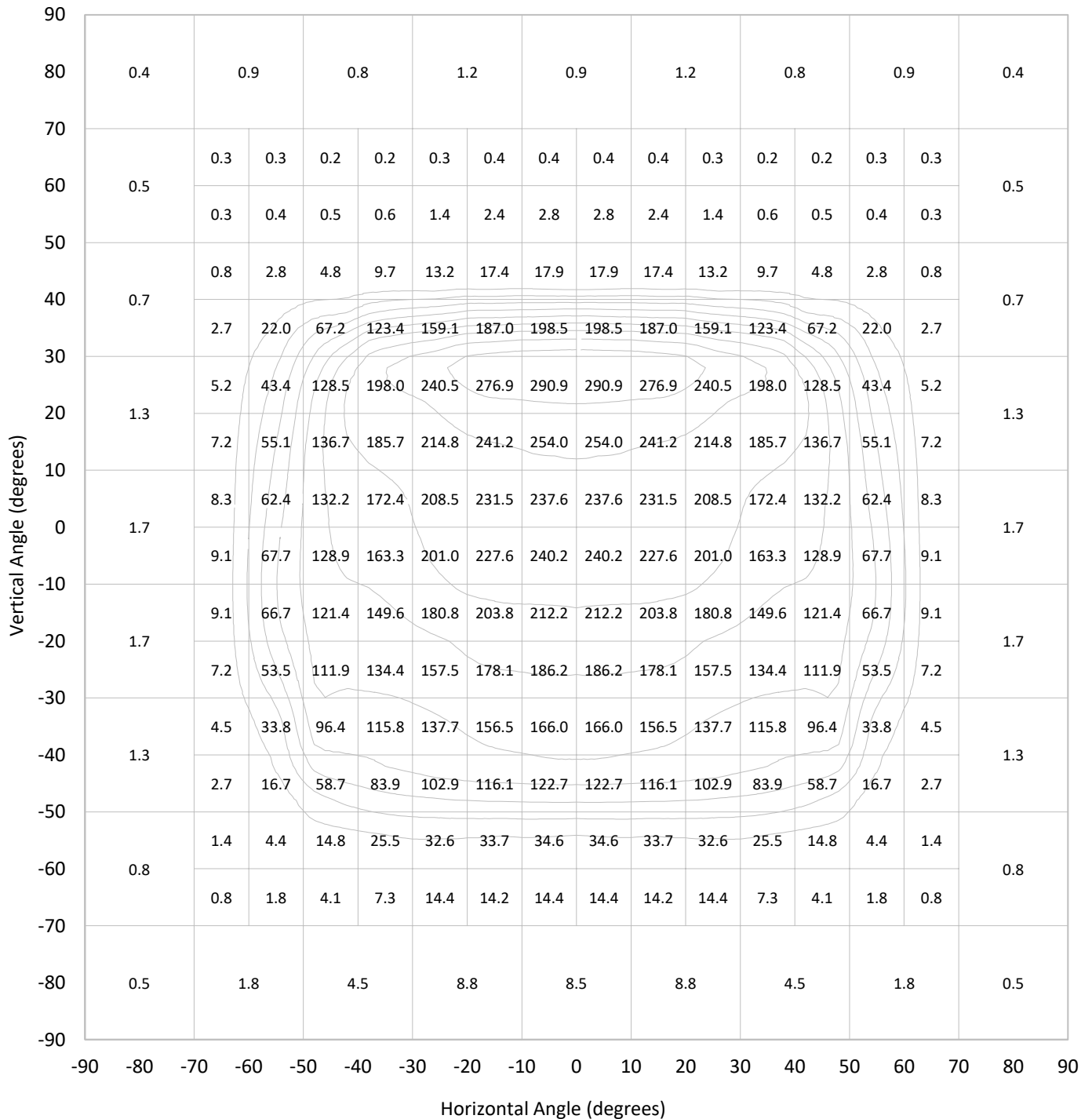
Iso-Candela Plot





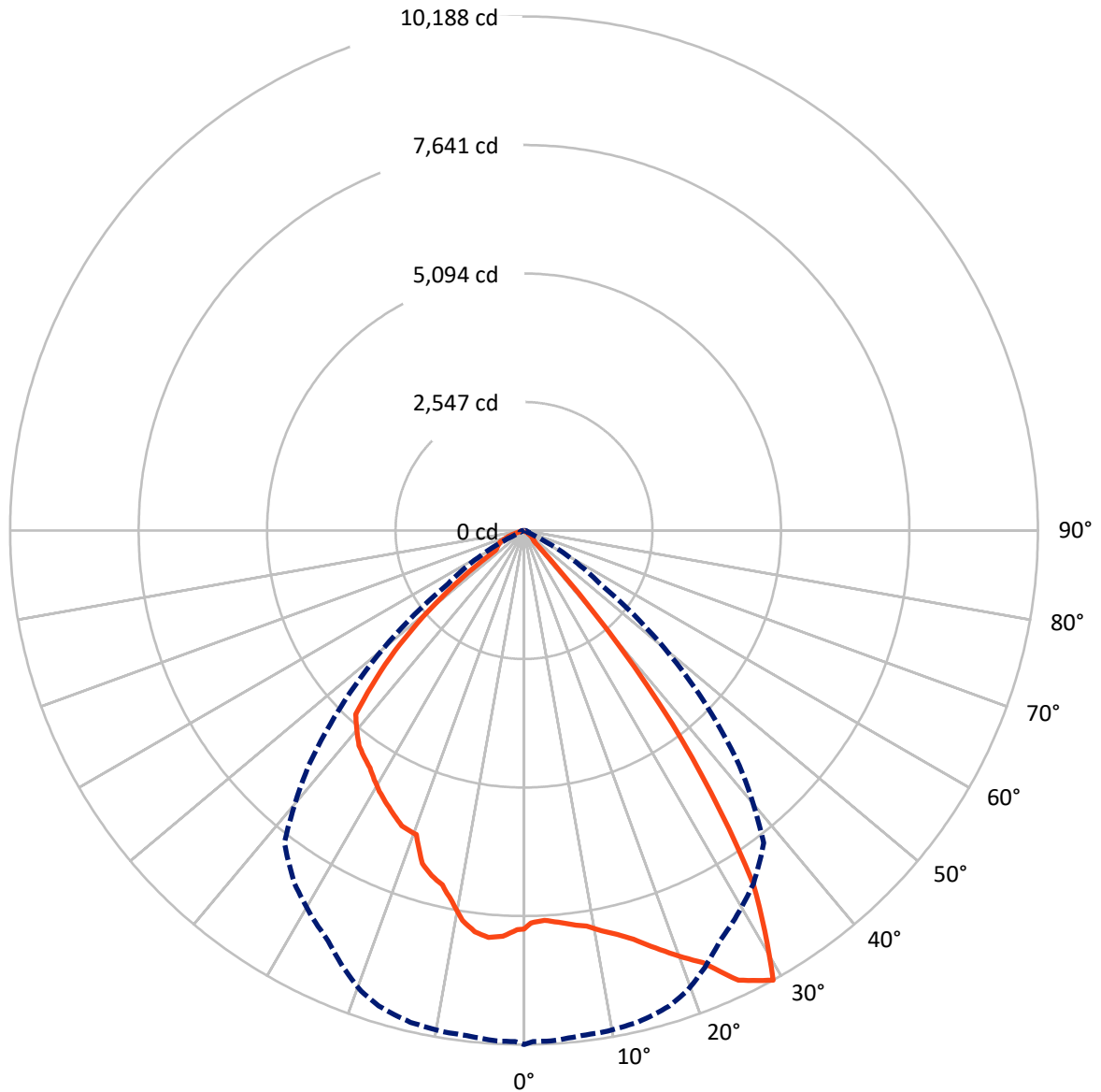
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Lumen Table



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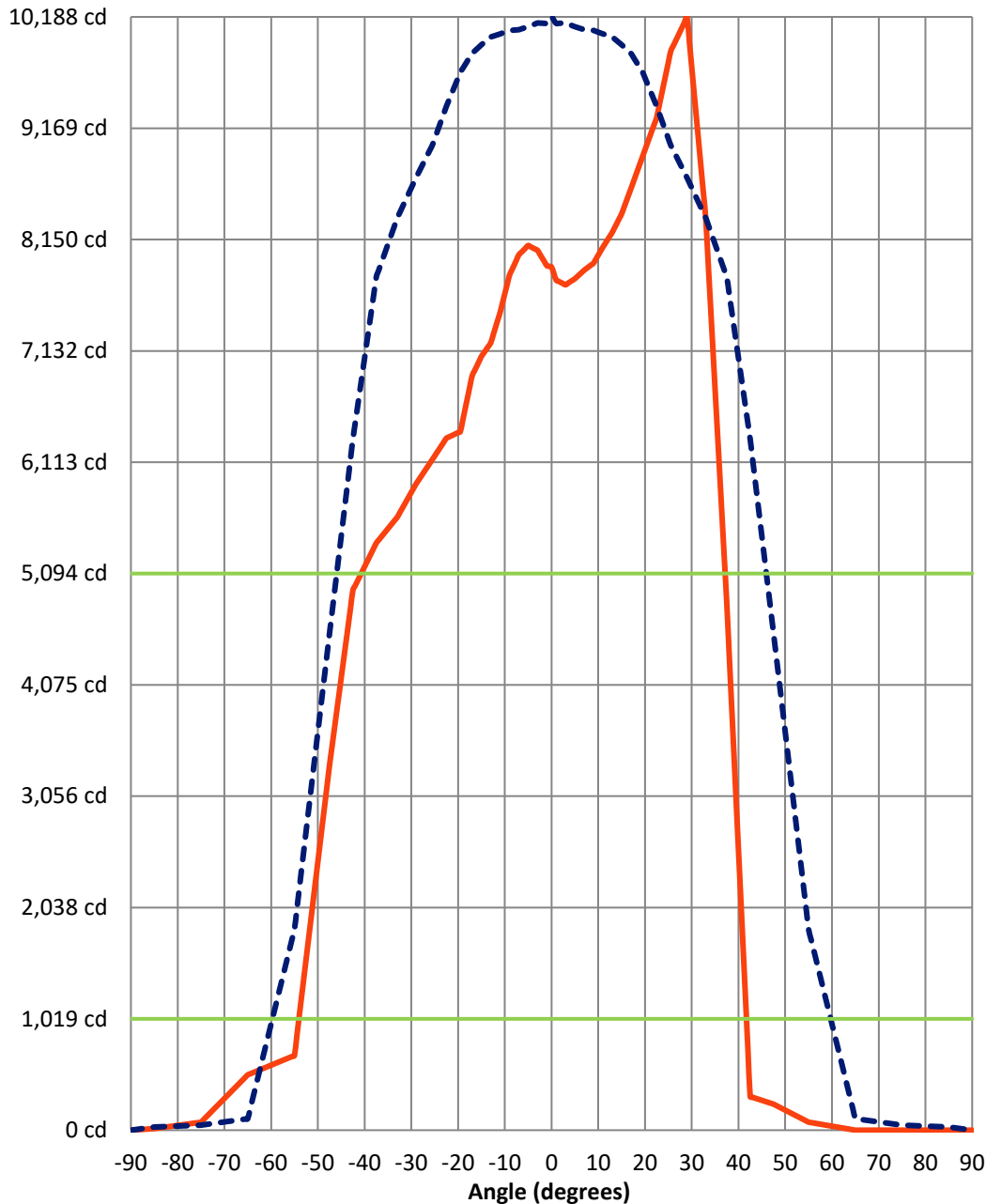
Luminous Intensity Polar Plot



— 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: 12963.1
 Efficiency: 77.0%

Field:
 H Angle: 119.5°
 V Angle: 95.8°
 Lumens: 16408
 Efficiency: 97.4%

Spill:
 Lumens: 430
 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	4.6	11.5	14.6	15.3	16.9	16.9	18.4	18.4	17.6	16.9
75°	0.0	1.5	4.6	6.9	8.4	10.0	10.7	10.7	10.7	10.0	10.0
65°	0.0	0.8	3.1	4.6	6.1	6.9	6.9	7.7	7.7	7.7	6.9
55°	73.6	75.9	74.3	73.6	73.6	72.0	69.0	64.4	59.0	59.8	55.9
47.5°	238.3	236.0	236.8	235.2	232.9	226.0	222.2	219.1	216.8	216.1	206.1
42.5°	308.0	318.0	347.1	409.2	475.1	545.6	549.4	495.8	430.6	359.4	500.4
37.5°	4818.9	4893.2	4795.1	4769.1	4639.6	4667.1	4644.2	4571.4	4566.0	4607.4	4556.8
33°	8341.3	8368.8	8317.5	8303.7	8276.9	8276.9	8247.8	8117.5	8023.3	7965.0	7946.6
29°	10187.9	10128.1	10132.0	10098.2	10070.7	10063.8	10032.3	10004.0	9932.7	9853.8	9681.4
25.5°	9873.7	9843.1	9857.6	9801.7	9791.7	9750.4	9754.2	9715.9	9663.8	9581.8	9397.9
22.5°	9267.6	9271.5	9269.2	9240.1	9229.3	9191.8	9146.6	9138.1	9133.5	9073.8	8939.7
19.5°	8912.9	8875.3	8862.3	8881.5	8849.3	8801.8	8750.4	8715.9	8674.6	8657.7	8607.9
17°	8617.1	8577.3	8594.9	8567.3	8545.8	8483.8	8429.4	8382.6	8361.2	8331.3	8258.5
15°	8385.7	8354.3	8348.9	8328.2	8344.3	8268.5	8236.3	8196.4	8152.8	8109.1	8050.1
13°	8216.4	8224.0	8211.0	8156.6	8181.1	8120.6	8080.7	8030.2	7993.4	7953.5	7920.6
11°	8081.5	8091.5	8039.4	8037.1	8048.6	7969.6	7958.1	7899.1	7878.4	7882.3	7794.2
9°	7935.1	7957.4	7975.8	7951.2	7933.6	7902.2	7883.8	7862.4	7823.3	7829.4	7807.2
7°	7870.0	7851.6	7847.0	7882.3	7854.7	7824.8	7793.4	7804.9	7812.6	7834.0	7807.2
5°	7791.9	7802.6	7809.5	7788.0	7784.2	7795.7	7775.8	7798.8	7805.7	7958.9	8006.4
3°	7735.9	7775.8	7755.1	7729.0	7747.4	7765.0	7806.4	7810.3	7884.6	7974.2	8000.3
1°	7778.8	7807.2	7809.5	7809.5	7827.9	7884.6	7889.2	7912.2	7966.6	8004.1	8024.8
0°	7899.1	7881.5	7892.2	7876.1	7920.6	7949.7	7953.5	7935.1	7975.0	8102.2	8102.2
-1°	7911.4	7919.1	7950.5	7958.9	7947.4	7983.4	7927.5	7932.1	7951.2	8026.3	7955.8
-3°	8051.6	8053.9	8050.1	8053.1	8034.8	8024.8	7985.7	7954.3	7909.1	7837.8	7778.1
-5°	8096.1	8101.4	8081.5	8072.3	8030.9	7964.3	7943.6	7889.9	7816.4	7736.7	7679.2
-7°	8010.2	8011.8	7947.4	7965.0	7896.8	7820.2	7767.3	7693.0	7640.1	7562.8	7505.3
-9°	7823.3	7795.7	7751.3	7737.5	7673.1	7578.8	7506.8	7450.9	7424.1	7378.9	7391.9
-11°	7484.6	7462.4	7464.7	7427.1	7378.1	7336.7	7301.5	7278.5	7262.4	7243.2	7215.7
-13°	7205.7	7194.2	7155.9	7167.4	7142.9	7151.3	7159.0	7149.8	7130.6	7105.3	7065.5
-15°	7080.8	7071.6	7054.7	7041.7	7039.4	7039.4	7036.4	7032.5	7015.7	6952.8	6891.5
-17°	6902.3	6879.3	6877.7	6873.9	6865.5	6870.1	6860.9	6844.8	6840.2	6798.1	6738.3
-19.5°	6394.2	6405.7	6404.2	6421.1	6402.7	6434.1	6445.6	6446.4	6422.6	6395.8	6346.0
-22.5°	6332.2	6296.9	6301.5	6311.5	6293.9	6287.0	6283.9	6287.0	6263.2	6231.8	6151.3
-25.5°	6137.6	6151.3	6152.1	6132.2	6135.3	6138.3	6102.3	6100.0	6076.3	6041.8	5954.4
-29°	5913.1	5921.5	5902.3	5903.9	5871.7	5857.9	5815.7	5791.2	5752.1	5729.2	5644.1
-33°	5610.4	5629.5	5611.9	5606.6	5575.1	5550.6	5515.4	5497.7	5435.7	5379.7	5316.2
-37.5°	5372.9	5351.4	5346.0	5356.8	5315.4	5301.6	5267.9	5238.8	5195.1	5140.7	5060.2
-42.5°	4940.7	4968.3	4958.3	4926.9	4909.3	4857.2	4836.5	4810.4	4793.6	4785.1	4694.0
-47.5°	3340.0	3354.6	3350.0	3339.3	3327.8	3323.2	3300.9	3283.3	3279.5	3265.7	3222.0
-55°	683.5	701.1	714.1	746.3	760.1	780.0	761.6	727.2	721.0	793.1	786.9
-65°	506.5	504.2	501.9	499.6	495.8	494.2	498.1	501.1	498.8	508.8	528.7
-75°	72.8	72.0	74.3	75.1	69.7	69.7	81.2	78.9	82.0	82.0	82.8
-85°	14.6	13.0	14.6	21.5	22.2	25.3	27.6	29.9	30.6	30.6	30.6
-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°	15.3	13.8	12.3	10.7	9.2	10.0	11.5	14.6	20.7	23.8	26.1
75°	9.2	8.4	7.7	7.7	7.7	9.2	10.7	13.8	19.9	23.0	26.8
65°	6.9	6.1	5.4	5.4	5.4	6.9	10.7	14.6	20.7	23.8	26.8
55°	50.6	36.8	20.7	21.5	21.5	22.2	23.0	19.2	23.8	26.1	27.6
47.5°	175.5	124.1	75.1	59.0	59.0	51.3	44.4	33.7	43.7	28.4	27.6
42.5°	491.9	225.3	361.7	386.9	335.6	150.2	197.7	224.5	55.9	32.2	28.4
37.5°	4184.4	4006.7	3767.6	3568.4	3111.7	1963.9	1776.1	780.8	66.7	36.8	28.4
33°	7667.0	7256.3	7056.3	6642.5	6324.5	4628.8	3572.2	1328.7	87.4	41.4	29.1
29°	9368.8	9014.0	8715.2	8348.2	7806.4	6324.5	4546.8	1838.2	105.0	46.0	29.1
25.5°	9114.4	8826.3	8536.6	8265.4	7974.2	6983.5	5146.8	2206.0	121.8	51.3	29.1
22.5°	8680.7	8365.8	8097.6	7938.2	7773.5	7199.6	5467.1	2462.7	137.9	56.7	29.9
19.5°	8351.2	8070.8	7824.8	7662.4	7647.8	7237.9	5645.6	2671.1	157.1	65.9	29.9
17°	8052.4	7821.7	7624.8	7550.5	7587.3	7138.3	5775.9	2843.5	174.7	72.0	29.9
15°	7850.9	7669.3	7509.9	7492.3	7467.7	7025.6	5873.2	2989.9	189.3	75.1	29.9
13°	7759.7	7599.5	7475.4	7458.6	7316.8	6893.1	5926.1	3123.9	200.8	77.4	29.9
11°	7653.2	7546.7	7481.5	7348.2	7149.8	6726.0	5929.9	3240.4	212.2	81.2	29.9
9°	7671.6	7532.9	7429.4	7220.3	6986.5	6641.7	5929.9	3346.2	209.9	83.5	29.9
7°	7680.0	7550.5	7336.7	7093.1	6858.6	6558.2	5945.2	3451.1	200.0	86.6	29.9
5°	7719.8	7532.1	7290.7	6993.4	6753.6	6498.5	5895.4	3558.4	196.2	88.9	29.9
3°	7722.1	7530.6	7271.6	6894.6	6680.1	6441.8	5889.3	3650.4	195.4	89.6	30.6
1°	7724.4	7522.9	7211.8	6796.5	6617.2	6413.4	5880.9	3753.0	197.7	89.6	30.6
0°	7712.9	7488.4	7186.5	6772.0	6578.1	6391.9	5890.8	3807.4	199.2	88.1	30.6
-1°	7699.9	7441.7	7124.5	6737.5	6548.3	6383.5	5880.1	3861.1	199.2	87.4	30.6
-3°	7604.1	7365.1	7066.2	6705.3	6496.2	6332.9	5840.3	3953.0	205.4	87.4	30.6
-5°	7504.5	7279.3	7004.2	6618.8	6432.6	6270.9	5851.0	4007.4	208.4	87.4	30.6
-7°	7405.7	7170.4	6916.8	6580.4	6339.1	6177.4	5822.6	4077.9	209.2	86.6	30.6
-9°	7244.8	7041.0	6771.2	6440.2	6217.2	6108.4	5812.7	4113.2	210.7	86.6	30.6
-11°	7109.1	6867.0	6623.4	6317.6	6099.2	5994.3	5765.2	4108.6	212.2	85.8	30.6
-13°	6919.9	6703.8	6482.4	6194.3	5998.1	5864.0	5716.9	4081.0	211.5	86.6	30.6
-15°	6749.0	6537.5	6314.6	6088.5	5884.7	5726.1	5644.9	4018.1	211.5	86.6	30.6
-17°	6575.8	6371.3	6162.1	5944.5	5771.3	5644.9	5591.2	3899.4	209.9	85.8	30.6
-19.5°	6188.1	6032.6	5902.3	5783.6	5638.0	5490.1	5506.9	3684.1	204.6	85.8	30.6
-22.5°	5992.7	5834.1	5701.6	5582.0	5467.1	5320.7	5418.1	3357.7	196.2	84.3	30.6
-25.5°	5815.7	5663.3	5526.9	5408.1	5329.9	5240.3	5337.6	2934.7	187.7	82.8	30.6
-29°	5516.1	5390.5	5277.8	5159.8	5097.0	5059.5	5208.9	2369.2	181.6	79.7	29.9
-33°	5182.8	5075.6	4965.2	4805.8	4738.4	4739.2	4906.2	1661.2	177.8	75.1	29.9
-37.5°	4948.4	4829.6	4664.9	4488.6	4365.3	4387.5	4421.2	1299.5	180.1	68.2	29.9
-42.5°	4572.1	4508.5	4309.3	4136.9	3911.6	3683.3	3343.1	970.8	157.8	56.7	29.9
-47.5°	3196.7	3104.8	3020.5	2924.7	2715.5	2337.8	1786.9	383.9	141.0	44.4	29.9
-55°	834.4	824.5	878.1	807.6	661.3	493.5	429.9	147.1	106.5	38.3	29.9
-65°	574.7	596.9	468.9	311.9	157.8	134.1	209.2	79.7	58.2	33.7	29.1
-75°	80.5	72.0	56.7	59.8	62.8	59.0	53.6	32.9	32.9	30.6	28.4
-85°	29.9	28.4	27.6	26.8	25.3	23.8	23.8	24.5	27.6	29.9	28.4
-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)