

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: P571646

Luminaire Tested: **UFLD-CA2-130-750-U-66-TS2_UFLD**

Issue Date: 9/21/2021

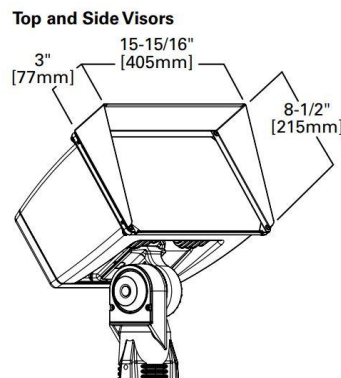
Test Information

Test Method: LM-79-08
Report Number: P571646
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-CA2-130-750-U-66-TS2_UFLD
Description: FLOOD LIGHT, 6x6 OPTIC WITH TOP AND SIDE VISOR
Light Source: (2) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

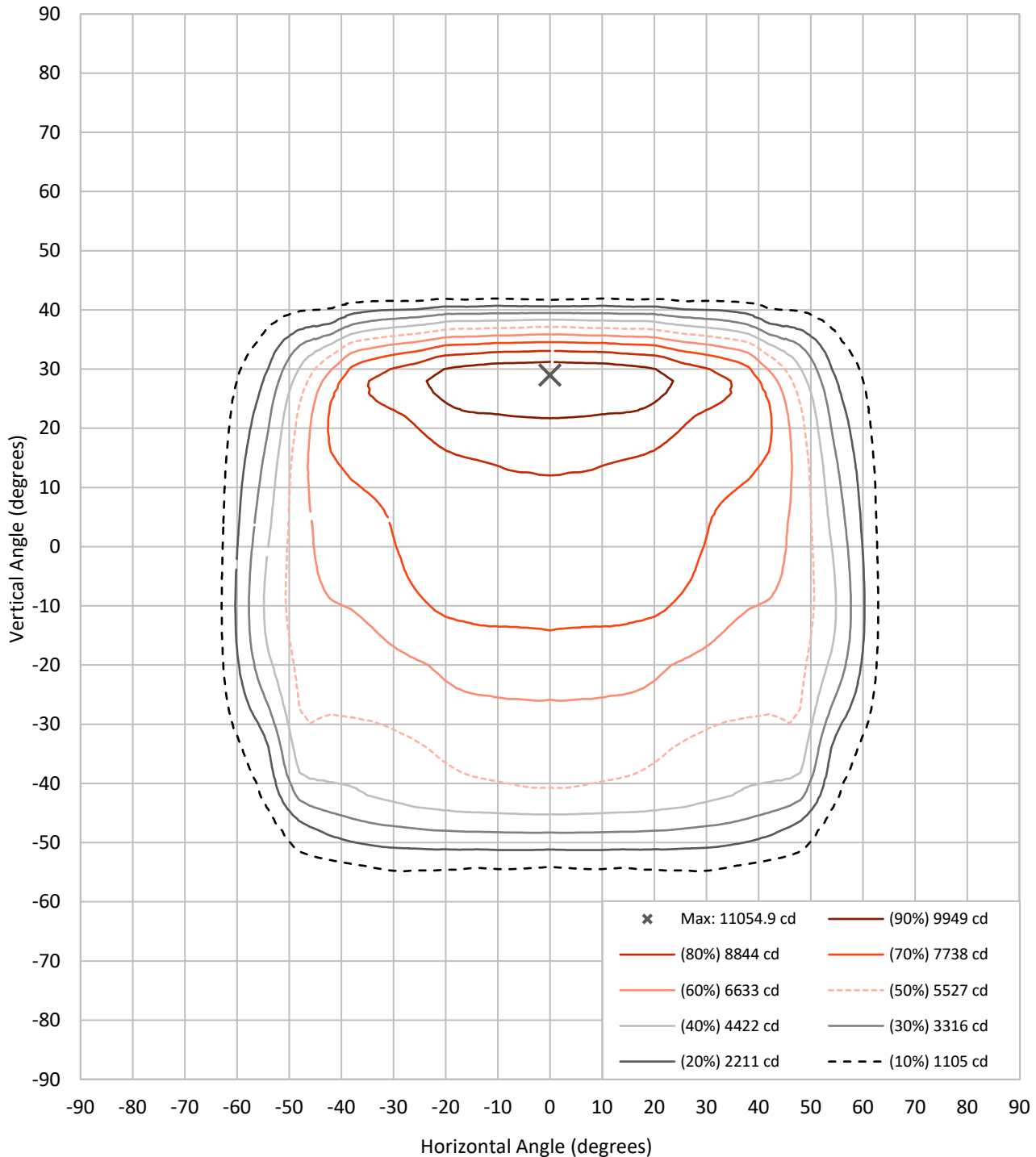
Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	18271 lumens	Max Intensity:	11054.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	137.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.25' x L: 0.67' x H: 0')		
Beam Angle (50%):	91.9°H x 77.9°V	Field Angle (10%):	119.5°H x 95.8°V
Beam Lumens:	14066.3 lumens	Field Lumens:	17804.4 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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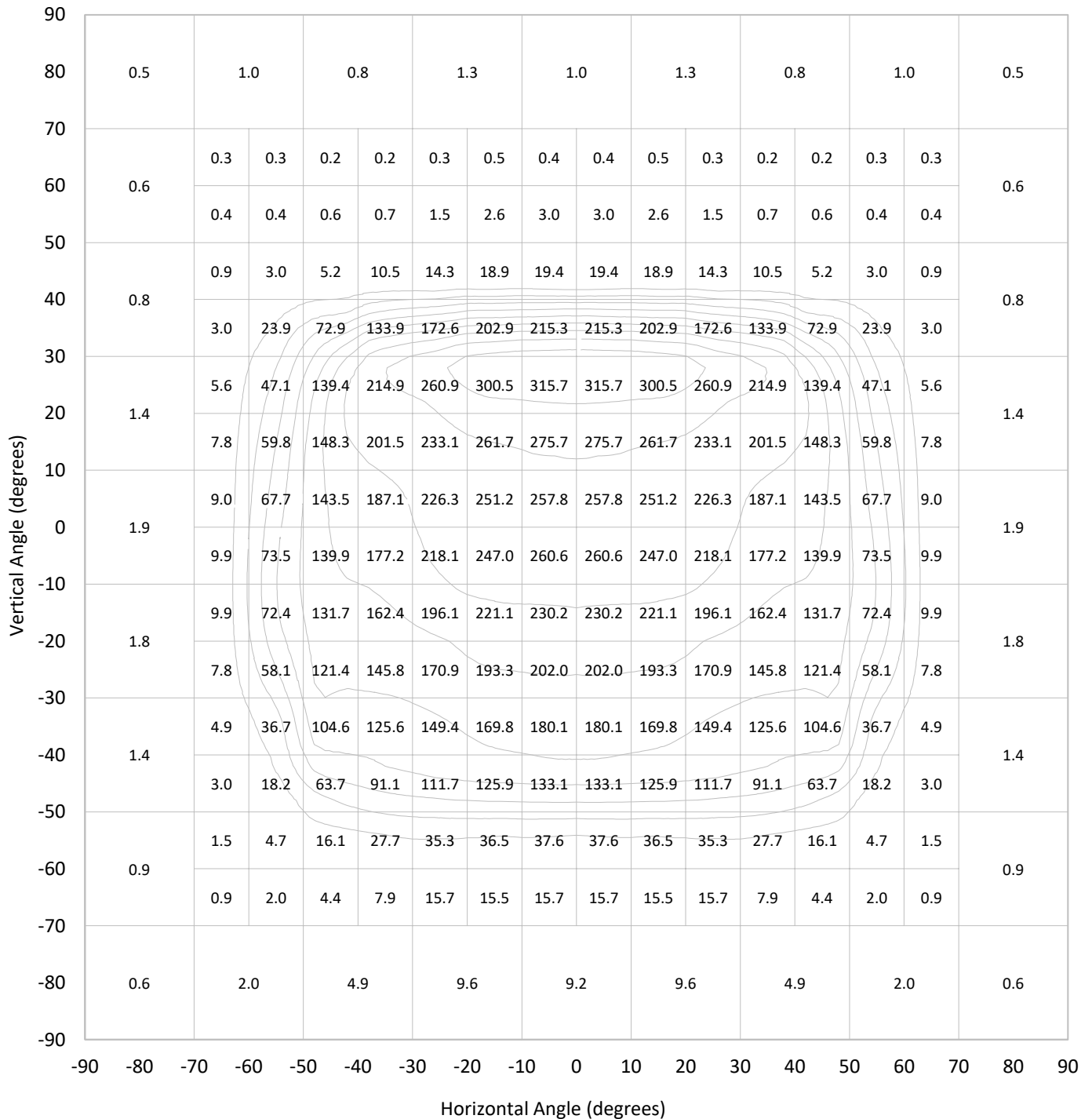
Iso-Candela Plot





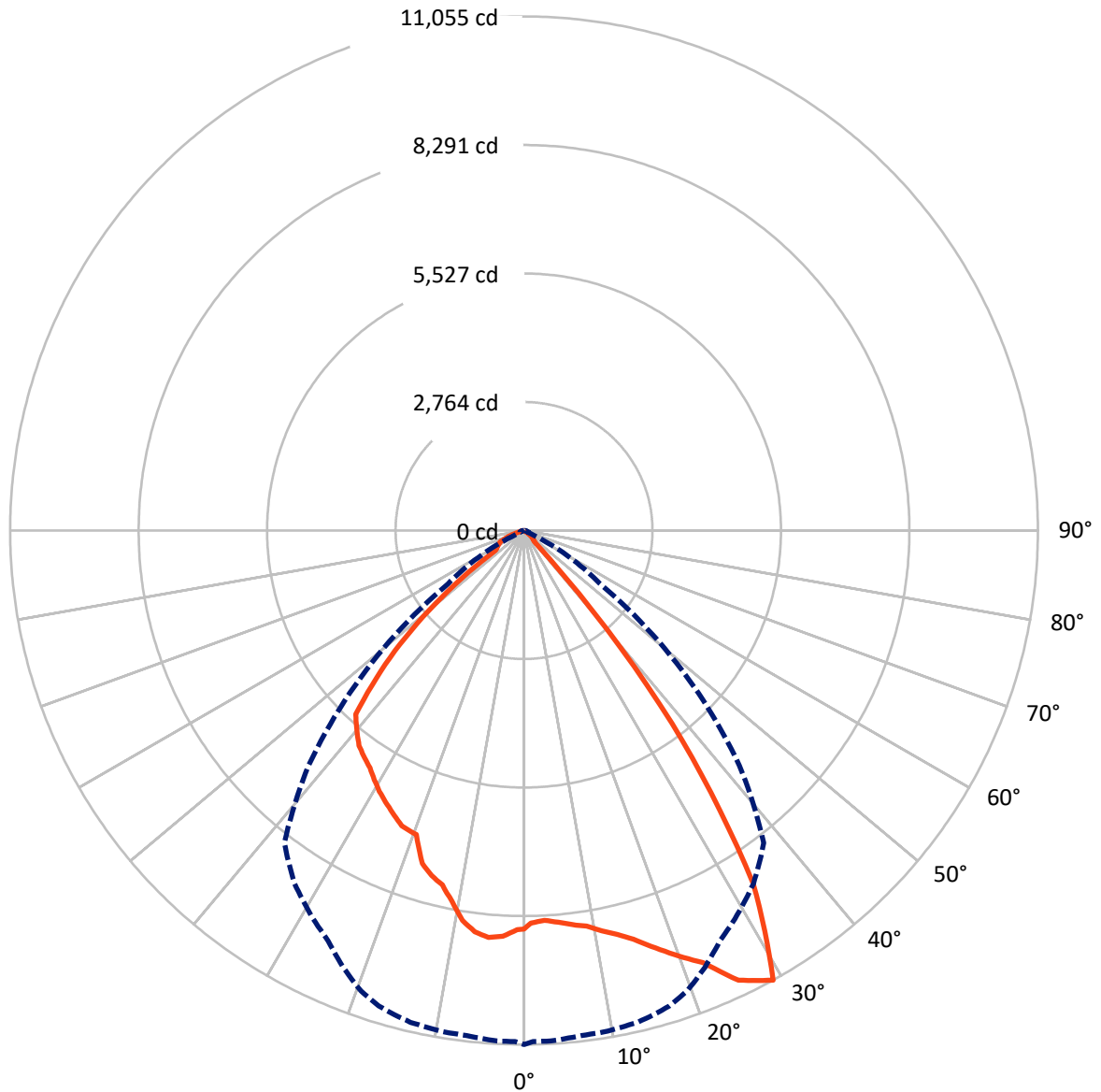
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Lumen Table



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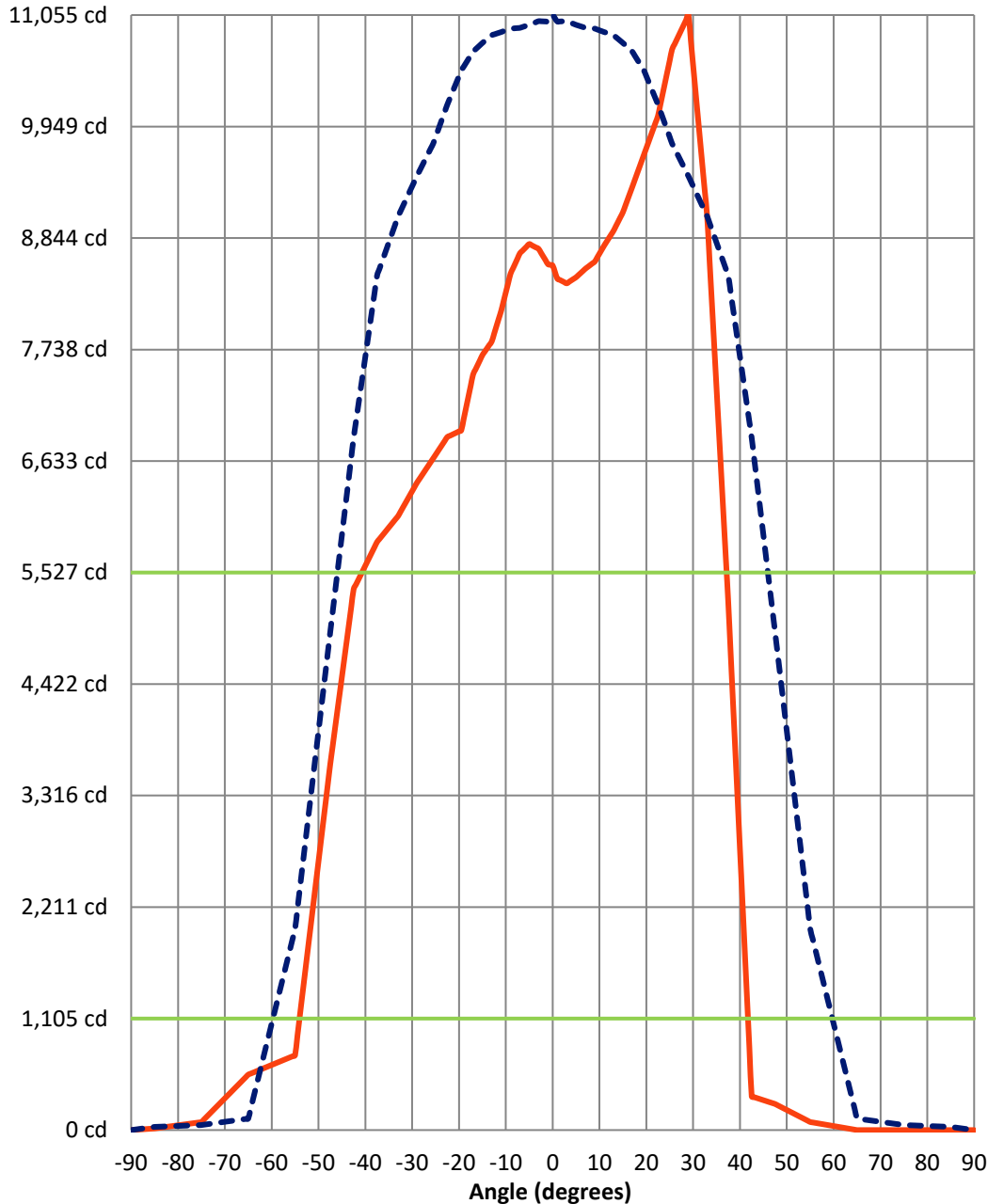
Luminous Intensity Polar Plot



— 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: 14066.3
 Efficiency: 77.0%

Field:
 H Angle: 119.5°
 V Angle: 95.8°
 Lumens: 17804.4
 Efficiency: 97.4%

Spill:
 Lumens: 466.6
 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	5.0	12.5	15.8	16.6	18.3	18.3	20.0	20.0	19.1	18.3
75°	0.0	1.7	5.0	7.5	9.1	10.8	11.6	11.6	11.6	10.8	10.8
65°	0.0	0.8	3.3	5.0	6.7	7.5	7.5	8.3	8.3	8.3	7.5
55°	79.8	82.3	80.7	79.8	79.8	78.2	74.8	69.8	64.0	64.9	60.7
47.5°	258.6	256.1	256.9	255.3	252.8	245.3	241.1	237.8	235.3	234.5	223.7
42.5°	334.2	345.1	376.6	444.0	515.5	592.0	596.1	537.9	467.3	389.9	542.9
37.5°	5229.0	5309.6	5203.2	5174.9	5034.4	5064.3	5039.4	4960.4	4954.6	4999.5	4944.6
33°	9051.1	9081.1	9025.4	9010.4	8981.3	8981.3	8949.7	8808.4	8706.1	8642.9	8622.9
29°	11054.9	10990.1	10994.2	10957.6	10927.7	10920.2	10886.1	10855.4	10778.1	10692.4	10505.3
25.5°	10714.0	10680.8	10696.6	10635.9	10625.1	10580.2	10584.3	10542.8	10486.2	10397.3	10197.7
22.5°	10056.4	10060.5	10058.0	10026.4	10014.8	9974.0	9925.0	9915.8	9910.9	9846.0	9700.5
19.5°	9671.4	9630.7	9616.5	9637.3	9602.4	9550.8	9495.1	9457.7	9412.8	9394.5	9340.5
17°	9350.5	9307.2	9326.3	9296.4	9273.1	9205.8	9146.8	9096.0	9072.8	9040.3	8961.3
15°	9099.4	9065.3	9059.5	9037.0	9054.5	8972.2	8937.2	8894.0	8846.6	8799.2	8735.2
13°	8915.6	8923.9	8909.8	8850.8	8877.4	8811.7	8768.4	8713.6	8673.7	8630.4	8594.7
11°	8769.3	8780.1	8723.5	8721.1	8733.5	8647.9	8635.4	8571.4	8548.9	8553.1	8457.5
9°	8610.5	8634.6	8654.5	8627.9	8608.8	8574.7	8554.8	8531.5	8489.1	8495.7	8471.6
7°	8539.8	8519.8	8514.9	8553.1	8523.2	8490.7	8456.7	8469.1	8477.4	8500.7	8471.6
5°	8455.0	8466.6	8474.1	8450.8	8446.7	8459.1	8437.5	8462.5	8470.0	8636.2	8687.8
3°	8394.3	8437.5	8415.1	8386.8	8406.8	8425.9	8470.8	8474.9	8555.6	8652.9	8681.1
1°	8440.9	8471.6	8474.1	8474.1	8494.1	8555.6	8560.6	8585.5	8644.6	8685.3	8707.8
0°	8571.4	8552.3	8563.9	8546.4	8594.7	8626.3	8630.4	8610.5	8653.7	8791.7	8791.7
-1°	8584.7	8593.0	8627.1	8636.2	8623.8	8662.9	8602.2	8607.1	8627.9	8709.4	8632.9
-3°	8736.9	8739.3	8735.2	8738.5	8718.6	8707.8	8665.3	8631.3	8582.2	8504.9	8440.0
-5°	8785.1	8790.9	8769.3	8759.3	8714.4	8642.1	8619.6	8561.4	8481.6	8395.1	8332.8
-7°	8692.0	8693.6	8623.8	8642.9	8568.9	8485.8	8428.4	8347.7	8290.4	8206.4	8144.0
-9°	8489.1	8459.1	8410.9	8396.0	8326.1	8223.8	8145.7	8085.0	8055.9	8006.8	8021.0
-11°	8121.6	8097.5	8100.0	8059.2	8006.0	7961.1	7922.9	7897.9	7880.5	7859.7	7829.7
-13°	7818.9	7806.5	7764.9	7777.4	7750.8	7759.9	7768.2	7758.2	7737.5	7710.0	7666.8
-15°	7683.4	7673.4	7655.1	7641.0	7638.5	7638.5	7635.2	7631.0	7612.7	7544.6	7478.0
-17°	7489.7	7464.7	7463.1	7458.9	7449.8	7454.8	7444.8	7427.3	7422.3	7376.6	7311.8
-19.5°	6938.4	6950.9	6949.2	6967.5	6947.6	6981.7	6994.1	6995.0	6969.2	6940.1	6886.0
-22.5°	6871.1	6832.8	6837.8	6848.6	6829.5	6822.0	6818.7	6822.0	6796.3	6762.2	6674.9
-25.5°	6659.9	6674.9	6675.7	6654.1	6657.4	6660.7	6621.6	6619.2	6593.4	6556.0	6461.2
-29°	6416.3	6425.4	6404.6	6406.3	6371.4	6356.4	6310.7	6284.1	6241.7	6216.7	6124.4
-33°	6087.9	6108.6	6089.5	6083.7	6049.6	6023.0	5984.8	5965.6	5898.3	5837.6	5768.6
-37.5°	5830.1	5806.8	5801.0	5812.7	5767.8	5752.8	5716.2	5684.6	5637.2	5578.2	5490.9
-42.5°	5361.2	5391.1	5380.3	5346.2	5327.1	5270.5	5248.1	5219.8	5201.5	5192.4	5093.4
-47.5°	3624.3	3640.1	3635.1	3623.4	3611.0	3606.0	3581.9	3562.8	3558.6	3543.6	3496.2
-55°	741.7	760.8	774.9	809.8	824.8	846.4	826.5	789.0	782.4	860.5	853.9
-65°	549.6	547.1	544.6	542.1	537.9	536.3	540.4	543.8	541.3	552.1	573.7
-75°	79.0	78.2	80.7	81.5	75.7	75.7	88.1	85.6	89.0	89.0	89.8
-85°	15.8	14.1	15.8	23.3	24.1	27.4	29.9	32.4	33.3	33.3	33.3
-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°	16.6	15.0	13.3	11.6	10.0	10.8	12.5	15.8	22.4	25.8	28.3
75°	10.0	9.1	8.3	8.3	8.3	10.0	11.6	15.0	21.6	24.9	29.1
65°	7.5	6.7	5.8	5.8	5.8	7.5	11.6	15.8	22.4	25.8	29.1
55°	54.9	39.9	22.4	23.3	23.3	24.1	24.9	20.8	25.8	28.3	29.9
47.5°	190.4	134.7	81.5	64.0	64.0	55.7	48.2	36.6	47.4	30.8	29.9
42.5°	533.8	244.4	392.4	419.9	364.2	163.0	214.5	243.6	60.7	34.9	30.8
37.5°	4540.5	4347.6	4088.2	3872.1	3376.5	2131.0	1927.3	847.2	72.3	39.9	30.8
33°	8319.5	7873.8	7656.8	7207.8	6862.8	5022.8	3876.2	1441.7	94.8	44.9	31.6
29°	10166.1	9781.1	9456.9	9058.6	8470.8	6862.8	4933.8	1994.6	113.9	49.9	31.6
25.5°	9890.1	9577.4	9263.2	8968.8	8652.9	7577.8	5584.8	2393.7	132.2	55.7	31.6
22.5°	9419.5	9077.7	8786.7	8613.8	8435.0	7812.3	5932.4	2672.3	149.7	61.5	32.4
19.5°	9061.9	8757.6	8490.7	8314.5	8298.7	7853.9	6126.1	2898.4	170.4	71.5	32.4
17°	8737.7	8487.4	8273.7	8193.1	8233.0	7745.8	6267.5	3085.5	189.6	78.2	32.4
15°	8519.0	8322.0	8149.0	8129.9	8103.3	7623.5	6373.0	3244.3	205.4	81.5	32.4
13°	8420.1	8246.3	8111.6	8093.3	7939.5	7479.7	6430.4	3389.8	217.8	84.0	32.4
11°	8304.5	8188.9	8118.3	7973.6	7758.2	7298.4	6434.6	3516.2	230.3	88.1	32.4
9°	8324.5	8174.0	8061.7	7834.7	7581.1	7207.0	6434.6	3630.9	227.8	90.6	32.4
7°	8333.6	8193.1	7961.1	7696.7	7442.3	7116.4	6451.2	3744.8	217.0	94.0	32.4
5°	8376.8	8173.1	7911.2	7588.6	7328.4	7051.5	6397.2	3861.2	212.9	96.4	32.4
3°	8379.3	8171.5	7890.4	7481.4	7248.6	6990.0	6390.5	3961.0	212.0	97.3	33.3
1°	8381.8	8163.2	7825.6	7374.9	7180.4	6959.2	6381.4	4072.4	214.5	97.3	33.3
0°	8369.4	8125.7	7798.1	7348.3	7138.0	6935.9	6392.2	4131.5	216.2	95.6	33.3
-1°	8355.2	8075.0	7730.8	7310.9	7105.6	6926.8	6380.5	4189.7	216.2	94.8	33.3
-3°	8251.3	7991.9	7667.6	7276.0	7049.0	6871.9	6337.3	4289.4	222.8	94.8	33.3
-5°	8143.2	7898.8	7600.3	7182.0	6980.0	6804.6	6348.9	4348.5	226.2	94.8	33.3
-7°	8035.9	7780.7	7505.5	7140.5	6878.6	6703.1	6318.2	4425.0	227.0	94.0	33.3
-9°	7861.3	7640.2	7347.5	6988.3	6746.4	6628.3	6307.4	4463.2	228.6	94.0	33.3
-11°	7714.2	7451.4	7187.0	6855.3	6618.3	6504.4	6255.8	4458.2	230.3	93.1	33.3
-13°	7508.8	7274.3	7034.0	6721.4	6508.6	6363.1	6203.4	4428.3	229.5	94.0	33.3
-15°	7323.4	7093.9	6852.0	6606.7	6385.5	6213.4	6125.3	4360.1	229.5	94.0	33.3
-17°	7135.5	6913.5	6686.5	6450.4	6262.5	6125.3	6067.1	4231.2	227.8	93.1	33.3
-19.5°	6714.8	6546.0	6404.6	6275.8	6117.8	5957.3	5975.6	3997.6	222.0	93.1	33.3
-22.5°	6502.8	6330.6	6186.8	6057.1	5932.4	5773.6	5879.2	3643.4	212.9	91.5	33.3
-25.5°	6310.7	6145.2	5997.2	5868.4	5783.5	5686.3	5791.9	3184.4	203.7	89.8	33.3
-29°	5985.6	5849.2	5727.0	5599.0	5530.8	5490.0	5652.2	2570.8	197.1	86.5	32.4
-33°	5623.9	5507.5	5387.8	5214.8	5141.7	5142.5	5323.8	1802.6	192.9	81.5	32.4
-37.5°	5369.5	5240.6	5061.9	4870.6	4736.8	4760.9	4797.5	1410.1	195.4	74.0	32.4
-42.5°	4961.2	4892.2	4676.1	4489.0	4244.5	3996.8	3627.6	1053.4	171.3	61.5	32.4
-47.5°	3468.8	3369.0	3277.6	3173.6	2946.7	2536.7	1938.9	416.6	153.0	48.2	32.4
-55°	905.4	894.6	952.8	876.3	717.5	535.5	466.4	159.6	115.6	41.6	32.4
-65°	623.6	647.7	508.8	338.4	171.3	145.5	227.0	86.5	63.2	36.6	31.6
-75°	87.3	78.2	61.5	64.9	68.2	64.0	58.2	35.8	35.8	33.3	30.8
-85°	32.4	30.8	29.9	29.1	27.4	25.8	25.8	26.6	29.9	32.4	30.8
-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)