

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: P507774

Luminaire Tested: **UFLD-CA2-120-740-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507774
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-281-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UFLD-CA2-120-740-U-66
Description: UTILITY FLOOD, 6x6 OPTIC
Light Source: (2) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

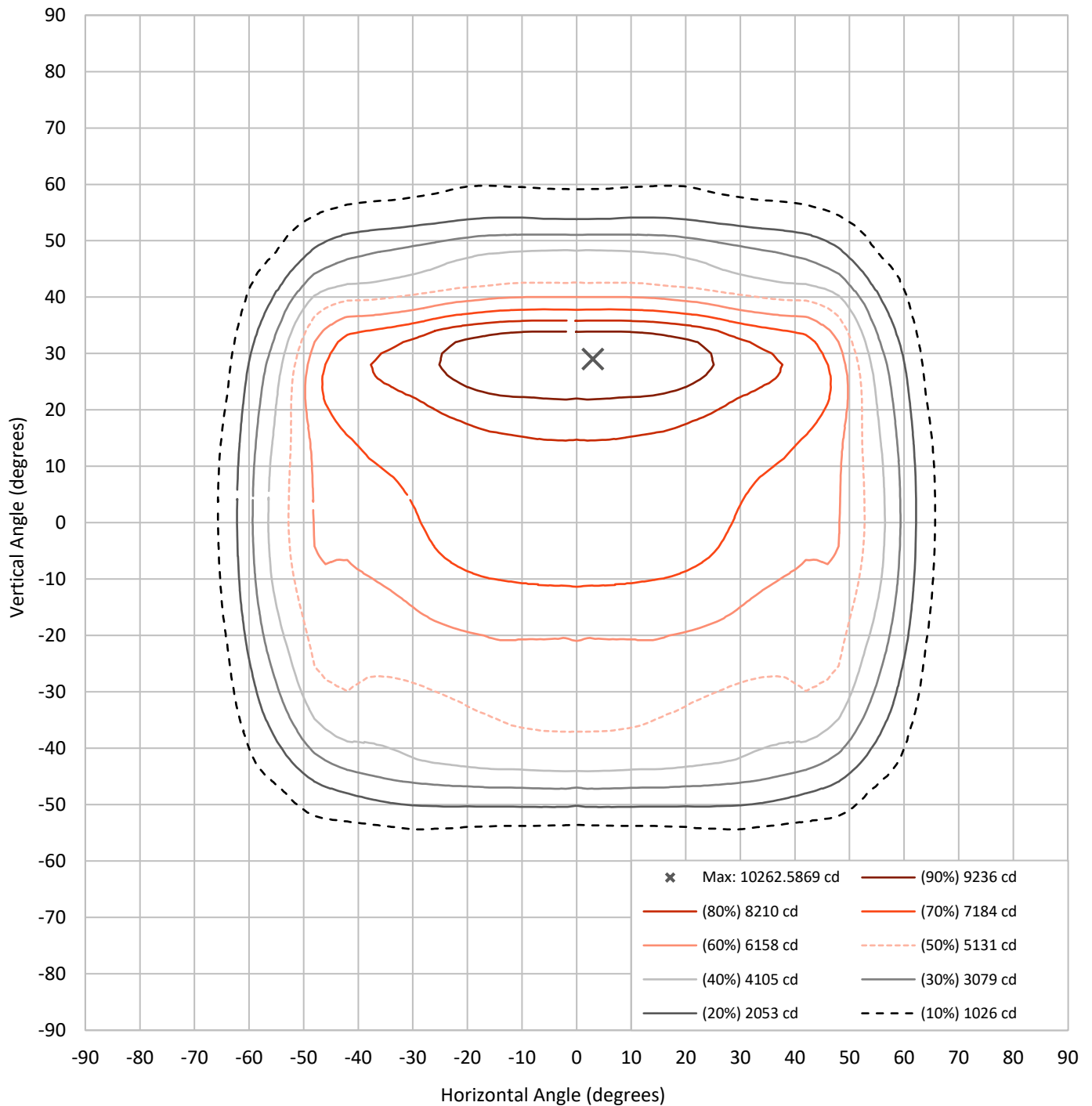
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	19230 lumens	Max Intensity:	10262.6 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	155.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.25' x L: 0.67' x H: 0')		
Beam Angle (50%):	102.9°H x 79.4°V	Field Angle (10%):	126.5°H x 112.9°V
Beam Lumens:	14287.9 lumens	Field Lumens:	18583.6 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%
Input Watts (W):	123.9		
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:	24 FT		



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Iso-Candela Plot

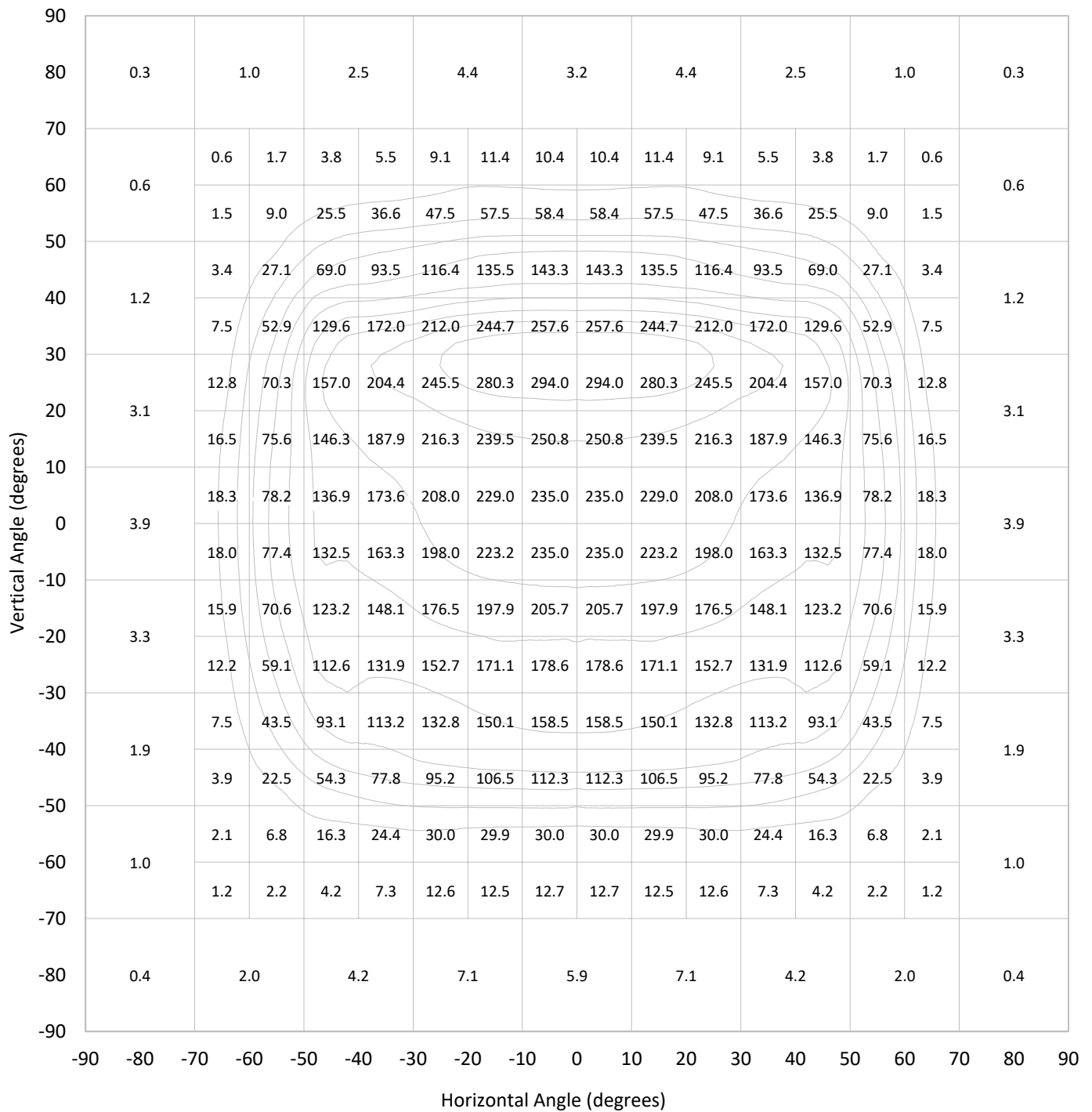




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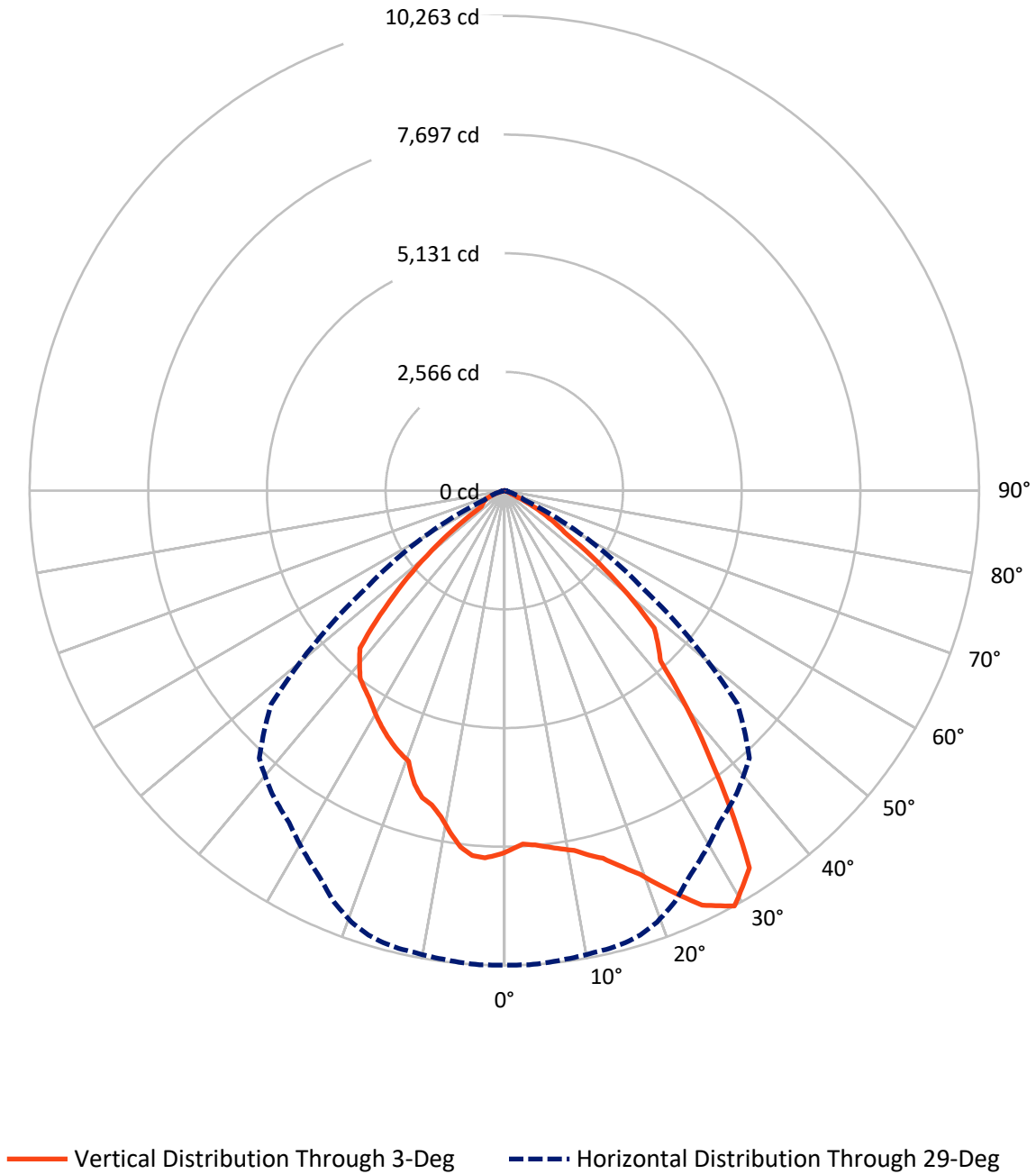
Lumen Table



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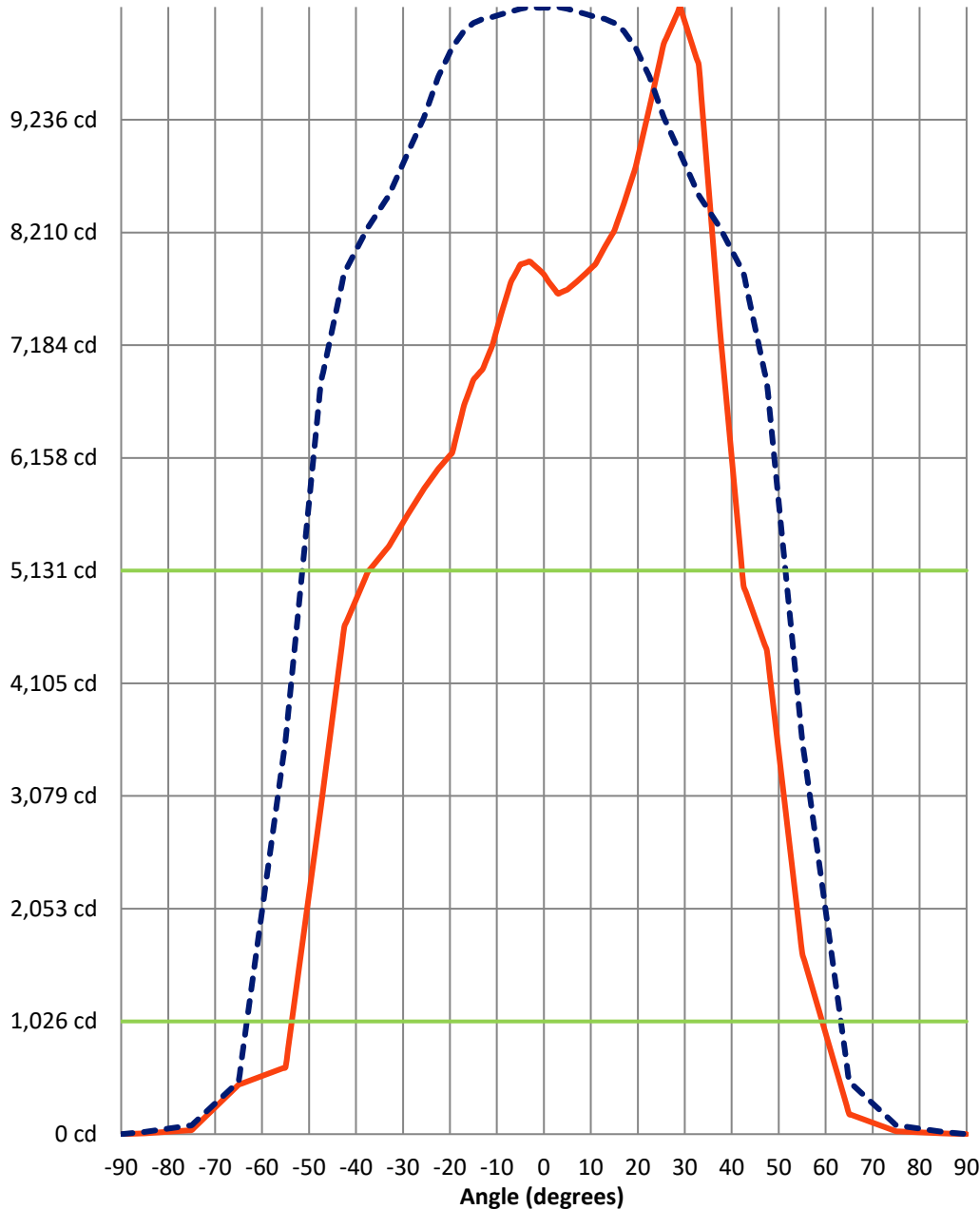
Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 102.9°
 V Angle: 79.4°
 Lumens: 14287.9
 Efficiency: 74.3%

Field:
 H Angle: 126.5°
 V Angle: 112.9°
 Lumens: 18583.6
 Efficiency: 96.6%

Spill:
 Lumens: 646.4
 Efficiency: 3.4%

— Vertical Distribution through 3-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°	0.4	3.2	6.9	16.3	21.1	24.8	27.2	28.5	28.8	28.8	27.6
75°	24.0	24.4	26.0	23.5	18.7	20.3	29.7	33.8	37.3	38.6	36.6
65°	185.2	184.0	182.9	181.6	176.3	168.6	165.7	182.0	223.4	266.5	287.6
55°	1616.9	1611.3	1649.5	1622.6	1675.5	1726.2	1744.5	1749.8	1755.8	1725.0	1683.1
47.5°	4383.5	4421.7	4397.8	4394.5	4366.9	4323.9	4297.9	4255.6	4218.6	4210.9	4084.6
42.5°	5029.9	5012.9	4997.0	5032.3	5012.0	5029.1	5027.0	4984.0	4954.0	4892.2	4830.5
37.5°	7290.0	7302.5	7318.4	7321.6	7331.4	7290.3	7261.9	7231.8	7174.1	7075.8	6934.8
33°	9733.2	9755.5	9728.7	9727.1	9748.6	9738.9	9697.1	9658.0	9572.4	9456.9	9326.1
29°	10256.8	10255.7	10262.6	10246.3	10221.6	10197.5	10171.5	10154.0	10116.7	10044.8	9894.9
25.5°	9908.3	9914.0	9925.8	9916.4	9885.1	9867.6	9845.3	9814.9	9749.8	9672.7	9545.1
22.5°	9324.5	9369.2	9351.7	9339.9	9313.1	9270.5	9279.0	9250.1	9199.7	9121.0	8986.9
19.5°	8782.6	8804.9	8800.4	8767.9	8751.3	8716.3	8700.1	8678.9	8636.3	8587.5	8496.2
17°	8435.6	8477.1	8468.1	8448.2	8422.2	8399.1	8369.7	8351.9	8317.0	8263.4	8152.5
15°	8229.6	8248.3	8226.4	8222.3	8225.9	8180.1	8161.4	8115.9	8104.9	8059.8	7961.9
13°	8055.7	8065.1	8079.8	8056.6	8052.5	8036.3	7997.2	7978.1	7939.9	7921.7	7850.9
11°	7919.2	7983.0	7922.9	7939.5	7920.9	7918.5	7896.5	7885.9	7857.5	7829.5	7786.0
9°	7848.1	7859.1	7840.0	7839.2	7830.7	7815.2	7810.0	7809.1	7803.5	7788.0	7761.2
7°	7761.2	7770.6	7761.6	7752.7	7746.2	7739.7	7758.0	7764.0	7790.4	7768.5	7743.0
5°	7701.9	7692.9	7689.7	7688.1	7704.3	7704.3	7740.0	7760.4	7785.1	7792.0	7758.8
3°	7651.2	7662.1	7652.3	7664.1	7696.2	7713.3	7761.2	7790.9	7807.1	7807.5	7794.1
1°	7729.9	7756.8	7762.0	7770.1	7781.9	7792.5	7828.2	7854.6	7837.1	7838.0	7783.5
0°	7803.9	7814.4	7828.2	7818.9	7834.3	7843.7	7869.3	7874.6	7867.7	7836.8	7763.7
-1°	7881.5	7879.0	7871.3	7869.7	7873.4	7862.4	7876.6	7859.1	7838.4	7810.8	7742.1
-3°	7937.1	7957.4	7946.4	7933.9	7894.1	7894.1	7878.2	7813.2	7785.1	7756.3	7659.7
-5°	7890.4	7916.4	7918.0	7877.8	7816.1	7799.8	7749.4	7710.4	7661.6	7614.6	7517.1
-7°	7786.4	7772.6	7760.4	7708.4	7667.8	7629.6	7562.6	7494.7	7482.1	7437.4	7351.7
-9°	7499.6	7509.3	7480.5	7466.7	7422.0	7372.4	7352.9	7304.5	7279.0	7239.2	7160.3
-11°	7214.8	7175.7	7178.6	7188.4	7156.6	7157.1	7135.9	7106.7	7103.0	7065.3	6998.6
-13°	6990.1	6987.3	6968.2	6984.5	6978.3	6979.2	6959.2	6955.6	6948.7	6922.7	6832.9
-15°	6841.9	6865.8	6868.3	6854.5	6857.7	6849.9	6842.6	6825.1	6819.9	6778.9	6685.0
-17°	6626.1	6634.2	6636.2	6635.0	6624.9	6633.0	6642.0	6635.0	6609.5	6578.2	6502.6
-19.5°	6227.2	6194.7	6206.0	6217.4	6220.7	6220.3	6233.3	6255.2	6234.9	6193.8	6131.3
-22.5°	6085.0	6078.1	6056.9	6063.8	6060.6	6050.5	6050.5	6052.1	6040.3	5997.2	5911.9
-25.5°	5871.7	5881.4	5878.2	5873.7	5872.9	5854.7	5855.4	5858.3	5835.1	5787.6	5710.9
-29°	5636.4	5643.0	5640.5	5629.5	5614.5	5581.6	5567.8	5537.0	5495.9	5469.5	5407.3
-33°	5368.8	5352.5	5353.3	5351.6	5331.8	5312.7	5289.5	5250.9	5208.7	5175.8	5110.0
-37.5°	5116.4	5125.8	5117.3	5120.1	5108.7	5089.6	5068.9	5039.6	4998.2	4950.7	4885.3
-42.5°	4634.7	4627.8	4617.2	4594.0	4584.6	4540.4	4513.2	4513.9	4504.6	4468.4	4406.3
-47.5°	2877.1	2953.5	2971.0	2956.0	2941.3	2935.3	2904.4	2901.9	2904.4	2884.9	2836.9
-55°	594.4	592.4	609.4	621.6	646.7	656.5	661.4	643.5	663.4	704.4	724.4
-65°	457.8	456.2	449.7	449.3	443.3	440.8	440.4	436.4	439.2	451.4	465.2
-75°	35.7	35.7	36.1	32.1	29.7	33.3	43.5	46.7	51.6	49.5	55.2
-85°	1.2	3.7	7.3	17.0	21.9	25.2	27.6	28.8	28.8	28.5	28.0
-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°	25.6	24.0	22.8	21.1	18.2	15.4	13.4	11.3	13.0	11.3	13.8
75°	32.9	33.3	41.9	52.4	47.1	31.7	21.9	18.2	24.0	13.8	15.0
65°	250.7	161.7	100.3	75.5	61.4	52.0	63.8	48.3	44.7	22.3	15.9
55°	1579.6	1474.4	1397.1	1298.9	1266.7	1176.1	951.5	387.2	71.1	36.1	17.0
47.5°	3947.6	3770.9	3571.4	3348.0	3155.4	2888.9	2366.8	1035.5	85.3	46.7	18.2
42.5°	4722.8	4521.7	4401.0	4238.1	4057.7	3998.0	3600.3	1783.4	87.7	53.2	18.7
37.5°	6814.2	6589.1	6279.2	6039.9	5850.6	5823.4	5077.8	2517.6	139.7	61.4	19.5
33°	9075.0	8745.1	8317.7	7948.5	7626.8	7337.9	6221.9	3108.7	325.4	70.7	20.0
29°	9626.0	9261.1	8931.7	8548.2	8252.4	7842.1	6835.4	3588.9	478.5	80.8	20.3
25.5°	9284.3	9010.9	8690.3	8388.8	8167.5	7881.0	7100.2	3857.4	602.5	90.2	20.7
22.5°	8780.1	8540.0	8273.5	8081.7	7961.5	7740.0	7079.9	4006.2	701.2	98.3	21.1
19.5°	8337.3	8169.9	7954.6	7835.9	7784.0	7517.8	6875.5	4155.3	790.2	106.8	21.6
17°	8031.0	7886.8	7744.6	7688.5	7636.5	7292.8	6689.5	4259.7	862.9	111.3	21.9
15°	7851.8	7747.4	7645.4	7605.2	7507.2	7094.9	6565.6	4329.1	913.7	115.0	22.3
13°	7766.0	7697.4	7606.4	7530.0	7363.1	6916.2	6474.2	4410.8	955.2	118.2	22.3
11°	7718.9	7655.1	7533.2	7420.4	7185.5	6758.1	6420.2	4481.0	989.2	119.9	22.8
9°	7692.1	7615.3	7466.7	7267.6	7040.5	6620.8	6388.0	4531.9	1017.7	120.6	23.2
7°	7700.7	7574.8	7380.9	7152.2	6908.4	6536.3	6360.0	4568.9	1037.1	120.3	23.5
5°	7697.9	7533.7	7310.7	7076.3	6806.5	6457.5	6338.5	4598.1	1046.1	119.0	24.0
3°	7682.8	7513.4	7247.7	6965.4	6715.5	6394.6	6328.7	4616.8	1054.3	117.8	24.0
1°	7658.8	7464.2	7166.9	6902.8	6651.7	6335.3	6318.2	4624.4	1052.2	116.6	24.0
0°	7634.9	7440.7	7140.5	6870.2	6622.4	6303.1	6302.7	4643.9	1048.6	115.8	24.0
-1°	7595.8	7389.9	7094.1	6821.9	6584.2	6308.8	6303.5	4626.5	1044.5	114.6	24.4
-3°	7489.0	7296.4	7017.7	6749.6	6514.4	6267.4	6289.7	4609.4	1037.1	113.4	24.8
-5°	7368.0	7181.5	6931.6	6665.5	6433.5	6205.3	6258.0	4561.5	1020.1	112.5	24.8
-7°	7213.9	7073.8	6806.9	6548.5	6328.7	6116.7	6198.4	4515.1	1001.4	111.8	25.2
-9°	7056.3	6909.7	6672.0	6414.9	6212.9	6043.1	6116.7	4443.3	976.6	110.9	25.2
-11°	6895.5	6744.3	6507.1	6268.2	6075.6	5927.8	6030.5	4362.8	949.0	110.9	25.6
-13°	6702.9	6564.8	6349.5	6134.5	5949.7	5840.4	5937.9	4261.3	915.3	111.3	25.6
-15°	6554.6	6407.1	6200.7	5999.6	5831.9	5750.7	5829.8	4131.6	883.2	112.1	26.0
-17°	6377.9	6250.4	6061.8	5874.1	5722.6	5664.0	5721.8	4000.4	841.8	112.5	26.0
-19.5°	6033.0	5916.8	5797.4	5673.9	5574.3	5555.6	5583.7	3828.2	785.7	113.4	26.0
-22.5°	5801.0	5683.1	5553.1	5457.3	5389.1	5453.2	5417.9	3589.3	706.1	114.6	26.0
-25.5°	5610.9	5502.4	5372.4	5280.2	5241.2	5381.7	5265.5	3331.0	617.1	114.6	26.0
-29°	5317.5	5222.9	5106.3	5018.9	4997.8	5216.8	4970.2	3032.3	512.3	112.9	26.0
-33°	4996.2	4889.8	4771.9	4678.9	4639.5	4934.5	4483.1	2674.4	381.5	108.5	26.0
-37.5°	4791.4	4672.4	4540.8	4394.5	4305.5	4345.8	3831.8	2160.9	221.8	100.8	25.6
-42.5°	4296.2	4223.1	4061.0	3902.9	3669.8	3390.6	2857.3	1549.9	169.4	91.4	25.6
-47.5°	2840.5	2786.9	2734.9	2635.5	2413.2	2123.1	1784.3	858.4	161.3	80.0	25.2
-55°	784.9	795.8	843.0	785.3	686.5	601.6	583.8	262.0	148.3	61.4	24.0
-65°	492.8	499.7	407.5	288.5	195.0	149.1	151.1	100.3	98.7	35.7	22.3
-75°	60.1	60.5	50.8	48.3	48.8	55.7	58.1	48.3	39.0	20.3	20.7
-85°	27.2	26.9	26.0	25.2	24.8	23.5	21.9	20.0	18.2	18.7	18.7
-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)