

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P1444591

Luminaire Tested: EHBR1-24-UNV-TA-L850-UPL36

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444591
REPORT IS A COMBINATION OF REPORTS P1444347 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-24-UNV-TA-L850-UPL36
Description: Elevate Round Highbay at, 24000 lumens, 5000K 80CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

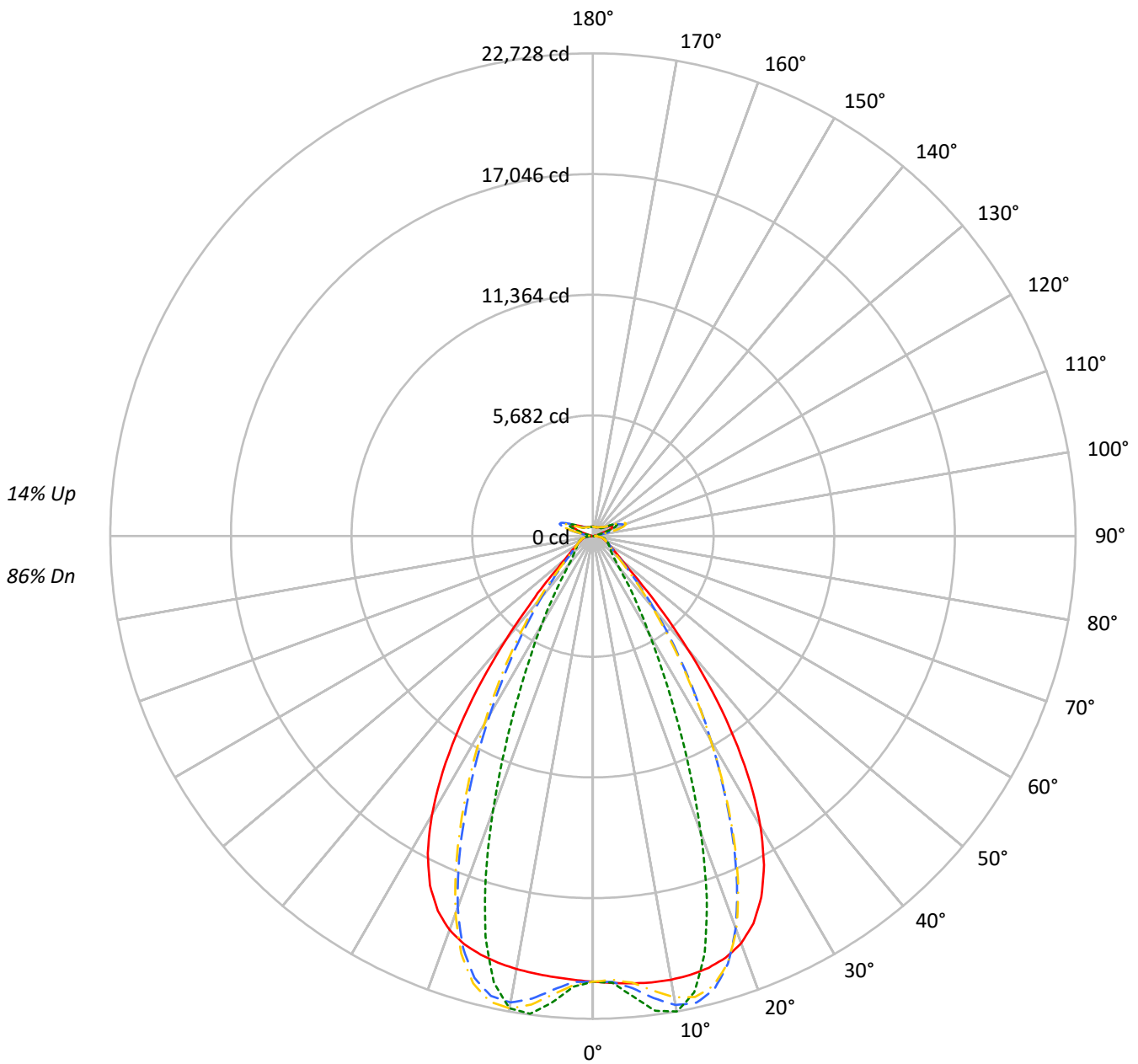
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27906.5 lumens
Efficiency: N/A
Efficacy: 178.1 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 0.77 / 0.88
Luminous Opening: Vertical Cylinder (Dia: 1.71' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 156.7
Input Voltage (V): NR
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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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - · - · 90°-270° - · - · 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	116	116	116	116	112	112	112	112	104	104	104	96	96	96	90	90	90	86			86
1	109	105	102	99	105	102	99	96	95	93	91	89	87	86	83	82	81	78			78
2	102	96	91	87	98	93	88	85	87	84	81	82	79	77	78	75	73	71			71
3	95	88	82	77	92	85	80	75	81	76	72	76	73	70	72	69	67	65			65
4	90	81	74	69	87	79	73	68	75	70	66	71	67	63	67	64	61	59			59
5	84	74	68	63	81	73	66	62	69	64	60	66	62	58	63	59	57	54			54
6	79	69	62	57	77	68	61	57	65	59	55	62	57	54	59	55	52	50			50
7	75	64	57	53	73	63	57	52	60	55	51	58	53	50	56	52	49	47			47
8	71	60	53	49	69	59	53	48	57	51	47	54	50	46	52	48	45	44			44
9	67	56	50	45	65	55	49	45	53	48	44	51	47	43	50	45	42	41			41
10	63	53	46	42	62	52	46	42	50	45	41	48	44	40	47	43	40	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	98525	98525	98525	98525
5°	99001	101888	97616	103223
10°	99828	106975	97434	106268
15°	100318	96972	97264	93067
20°	99280	72240	96031	66840
25°	93973	45688	90867	41454
30°	82092	27455	78913	25091
35°	63179	17228	59544	15261
40°	39966	10807	36566	10155
45°	20599	8419	20258	8281
50°	12077	7489	11707	7372
55°	9252	7085	8910	7022
60°	7828	7238	7496	7144
65°	7354	7558	7071	7300
70°	7183	7915	6825	7616
75°	7681	8393	7267	8022
80°	7950	9293	7208	8484
85°	7486	8967	6049	7678

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 31525 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2067.6	7.4
10°-20°	5816.5	20.8
20°-30°	6624.5	23.7
30°-40°	4761.4	17.1
40°-50°	2195.9	7.9
50°-60°	1050.9	3.8
60°-70°	766.7	2.7
70°-80°	582.5	2.1
80°-90°	271.4	1.0
90°-100°	103.8	0.4
100°-110°	636.7	2.3
110°-120°	1176.9	4.2
120°-130°	709.6	2.5
130°-140°	442.5	1.6
140°-150°	317.4	1.1
150°-160°	214.2	0.8
160°-170°	125.7	0.5
170°-180°	42.3	0.2
0°-30°	14508.6	52.0
0°-40°	19270.0	69.1
0°-60°	22516.8	80.7
0°-90°	24137.4	86.5
90°-120°	1917.4	6.9
90°-150°	3386.9	12.1
90°-180°	3769.0	13.5
0°-180°	27906.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	20980	20980	20980	20980	20980	
5°	21138	21755	20843	22040	21138	2020
15°	21046	20344	20405	19525	21046	5930
25°	18766	9124	18146	8278	18766	8507
35°	11596	3162	10928	2801	11596	7116
45°	3333	1362	3278	1340	3333	2835
55°	1250	957	1204	949	1250	1154
65°	768	789	738	762	768	767
75°	541	591	512	565	541	563
85°	257	308	208	264	257	242
90°	84	103	35	39	84	50
95°	48	54	48	54	48	46
105°	225	294	149	294	225	300
115°	1022	1249	1071	1249	1022	943
125°	754	805	856	806	754	687
135°	573	522	619	524	573	448
145°	492	490	526	493	492	311
155°	448	455	479	458	448	208
165°	435	439	452	440	435	124
175°	439	445	448	445	439	42
180°	445	445	445	445	445	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1
2.5°	21060.2	21058.6	21058.2	21056.7	21056.3	21056.3	21055.6	21054.0	21052.9	21050.4	21047.7
5°	21138.3	21137.5	21138.0	21138.1	21136.7	21133.4	21128.3	21121.9	21114.1	21106.6	21099.9
7.5°	21198.8	21200.3	21202.2	21201.8	21197.2	21189.5	21179.0	21173.1	21176.5	21187.9	21214.1
10°	21209.8	21218.9	21222.3	21221.2	21212.1	21205.5	21208.1	21230.3	21274.6	21333.5	21414.3
12.5°	21166.8	21177.9	21177.5	21173.8	21165.0	21174.0	21206.2	21272.3	21367.2	21483.6	21620.1
15°	21046.1	21060.4	21056.3	21051.6	21045.7	21075.3	21139.6	21254.5	21401.0	21565.1	21733.2
17.5°	20811.6	20828.9	20820.6	20815.2	20810.2	20865.7	20976.2	21144.4	21329.0	21514.6	21673.9
20°	20405.0	20416.6	20396.6	20387.2	20395.1	20503.9	20666.6	20881.6	21076.1	21251.6	21360.4
22.5°	19741.3	19755.8	19718.2	19713.8	19760.2	19927.3	20133.2	20373.4	20556.1	20695.3	20737.3
25°	18766.3	18780.5	18735.9	18762.5	18841.4	19069.0	19314.1	19571.1	19727.1	19830.1	19801.8
27.5°	17450.3	17463.1	17420.8	17475.3	17599.9	17899.0	18187.6	18466.3	18605.3	18677.5	18586.0
30°	15790.4	15817.2	15767.2	15843.2	16033.4	16421.7	16752.4	17064.9	17203.5	17258.5	17116.1
32.5°	13819.0	13857.2	13802.1	13915.2	14180.6	14647.0	15022.6	15371.9	15525.1	15587.9	15427.0
35°	11595.6	11650.3	11587.1	11756.7	12084.2	12603.5	13019.5	13409.4	13590.9	13679.8	13517.7
37.5°	9239.9	9292.1	9257.9	9484.2	9843.7	10382.0	10806.6	11227.3	11432.2	11565.7	11437.9
40°	6927.1	6974.9	7000.8	7259.6	7597.8	8105.2	8513.0	8929.2	9158.5	9326.0	9247.2
42.5°	4889.2	4937.3	5025.3	5275.1	5557.1	5977.1	6326.5	6700.1	6919.2	7097.9	7067.5
45°	3332.9	3388.8	3499.1	3703.5	3907.5	4208.8	4465.3	4755.9	4934.9	5098.6	5100.6
47.5°	2335.6	2374.8	2473.3	2613.0	2745.9	3123.1	3138.6	3281.4	3401.7	3524.1	3539.9
50°	1799.9	1823.6	1875.9	1953.7	2029.0	2126.9	2216.5	2320.0	2394.1	2461.2	2477.2
52.5°	1479.4	1494.4	1521.1	1563.2	1606.9	1660.1	1708.1	1765.0	1805.2	1841.2	1848.6
55°	1250.3	1262.8	1302.4	1310.4	1360.4	1370.1	1391.3	1426.0	1449.4	1470.9	1476.3
57.5°	1077.6	1086.5	1094.9	1112.9	1128.3	1150.7	1168.7	1193.6	1208.3	1223.8	1225.2
60°	941.1	947.7	953.7	966.1	976.6	992.1	1004.6	1021.5	1032.1	1043.7	1045.0
62.5°	839.7	844.4	848.3	856.5	864.0	876.0	885.8	900.0	909.8	918.8	920.9
65°	767.6	770.9	773.5	779.7	786.2	796.4	805.4	816.9	824.1	831.0	832.5
67.5°	703.6	706.8	709.5	715.2	719.7	727.3	733.3	741.9	747.4	752.9	753.0
70°	630.3	633.4	635.4	640.7	644.4	650.9	655.7	663.5	669.0	675.2	676.8
72.5°	579.6	581.4	584.2	589.0	594.1	601.1	607.5	615.6	622.4	628.8	631.4
75°	541.1	543.2	545.0	549.1	552.6	558.5	563.3	570.7	576.6	583.5	586.8
77.5°	485.4	487.8	489.4	493.5	496.5	502.2	505.8	512.4	517.3	523.5	526.5
80°	418.2	420.4	421.5	425.4	427.8	433.0	436.5	442.9	446.9	453.1	456.9
82.5°	343.6	345.8	346.4	350.1	351.4	355.7	358.2	364.7	369.7	377.8	383.4
85°	257.3	258.0	259.3	258.3	263.5	263.9	269.8	270.9	278.7	280.7	289.6
87.5°	157.3	159.6	160.8	164.3	165.9	169.5	170.6	174.5	176.5	180.8	182.9
90°	84.4	89.2	91.5	97.0	99.4	104.3	106.4	112.0	114.3	119.9	123.9
92.5°	41.7	44.7	47.4	50.6	53.4	56.9	59.9	63.1	66.0	69.3	75.1
95°	47.7	51.1	54.4	57.8	61.1	64.5	67.9	71.2	74.6	77.9	87.7
97.5°	60.3	63.3	66.1	69.1	71.9	74.8	77.7	80.6	83.5	86.3	97.9
100°	79.0	81.4	83.9	86.3	88.8	91.3	93.7	96.2	98.6	101.1	122.6
102.5°	132.0	140.8	149.4	158.1	166.8	175.5	184.2	192.9	201.6	210.3	256.1
105°	225.4	249.0	272.8	296.4	320.0	343.7	367.4	390.8	414.5	438.2	512.7
107.5°	387.4	431.1	474.9	518.6	562.5	606.1	649.9	693.5	737.2	780.8	856.4
110°	718.6	753.7	789.0	824.1	859.4	894.8	929.9	964.9	1000.2	1035.3	1090.6



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	969.8	985.8	1001.7	1017.7	1033.7	1049.6	1065.5	1081.5	1097.4	1113.2	1152.9
115°	1022.4	1028.1	1033.7	1039.3	1045.0	1050.6	1056.3	1061.8	1067.5	1072.9	1099.9
117.5°	991.0	990.0	989.3	988.5	987.5	986.6	985.6	984.7	983.8	982.8	997.9
120°	921.8	917.1	912.4	907.6	902.8	898.0	893.3	888.5	883.6	878.6	885.3
122.5°	834.6	829.0	823.5	817.7	812.0	806.3	800.6	794.6	788.9	783.1	785.8
125°	754.0	748.2	742.7	736.8	731.0	725.2	719.4	713.4	707.7	701.6	703.3
127.5°	683.5	679.6	675.7	671.6	667.6	663.4	659.3	655.1	651.1	646.7	647.3
130°	637.2	633.8	630.2	626.6	623.0	619.2	615.5	611.7	608.0	604.1	605.1
132.5°	599.1	596.8	594.4	591.8	589.3	586.5	583.9	581.0	578.4	575.7	576.8
135°	573.0	570.7	568.6	566.3	563.9	561.4	558.9	556.3	553.8	551.2	552.5
137.5°	550.7	548.7	546.7	544.6	542.4	540.1	537.9	535.4	533.2	530.7	532.0
140°	530.2	528.5	526.7	524.7	522.8	520.8	518.6	516.5	514.5	512.3	513.8
142.5°	507.5	506.2	504.9	503.4	501.9	500.2	498.6	496.8	495.3	493.6	495.6
145°	492.4	491.3	490.3	489.0	487.7	486.3	485.0	483.5	482.2	480.7	483.0
147.5°	479.1	478.2	477.4	476.4	475.5	474.2	473.3	472.0	471.0	469.8	471.9
150°	467.4	466.6	465.9	464.9	464.0	462.8	461.9	460.8	459.7	458.5	460.7
152.5°	455.4	454.5	453.8	452.9	452.0	450.9	450.1	448.9	447.9	446.8	448.7
155°	447.6	446.7	446.0	445.1	444.3	443.2	442.3	441.2	440.4	439.3	440.7
157.5°	442.2	441.5	441.0	440.3	439.8	439.0	438.3	437.5	436.8	436.1	437.2
160°	439.1	438.5	438.0	437.2	436.5	435.8	435.2	434.4	433.9	433.1	434.1
162.5°	436.1	435.5	434.9	434.2	433.6	432.7	432.1	431.5	430.8	430.1	431.3
165°	435.1	434.7	434.3	434.0	433.6	433.2	432.8	432.3	431.9	431.4	432.2
167.5°	437.9	437.3	436.8	436.2	435.6	435.0	434.5	433.9	433.3	432.6	433.4
170°	438.2	437.8	437.5	437.3	437.0	436.7	436.4	436.1	435.8	435.5	436.1
172.5°	439.9	439.6	439.4	439.3	439.0	438.8	438.6	438.3	438.2	437.8	438.7
175°	439.3	439.0	438.9	438.8	438.6	438.5	438.4	438.2	438.2	438.0	438.5
177.5°	442.0	441.9	441.9	441.9	441.9	441.8	441.7	441.5	441.5	441.5	441.9
180°	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1
2.5°	21045.7	21043.2	21039.6	21035.2	21031.4	21026.9	21016.4	21013.4	21016.8	21019.2	21024.0
5°	21095.7	21097.2	21097.7	21107.3	21115.5	21136.2	21297.6	21361.7	21411.3	21442.7	21490.6
7.5°	21246.5	21295.0	21342.9	21407.5	21463.2	21538.3	21820.7	21941.0	22026.4	22087.8	22163.4
10°	21502.0	21607.9	21707.2	21823.5	21923.5	22038.0	22300.9	22418.0	22491.9	22545.7	22595.9
12.5°	21759.3	21906.2	22038.9	22168.4	22276.6	22375.9	22468.3	22509.4	22512.8	22514.6	22487.9
15°	21893.4	22033.8	22150.8	22236.3	22300.0	22328.1	22168.9	22085.5	21980.0	21893.0	21750.0
17.5°	21808.7	21893.0	21943.5	21938.6	21912.3	21824.3	21373.4	21125.5	20879.3	20657.5	20366.6
20°	21432.7	21426.2	21382.3	21257.8	21107.8	20874.6	20101.6	19655.8	19224.6	18845.9	18386.6
22.5°	20733.0	20622.8	20469.4	20200.9	19902.8	19495.3	18387.7	17731.7	17131.5	16601.3	16007.3
25°	19719.1	19492.6	19209.5	18783.4	18320.0	17725.6	16360.5	15544.7	14824.0	14199.0	13513.7
27.5°	18421.7	18080.4	17665.6	17075.7	16448.0	15686.5	14173.0	13272.6	12499.1	11829.0	11099.6
30°	16885.5	16441.8	15906.0	15174.0	14416.8	13553.2	12018.2	11106.1	10323.2	9633.8	8903.9
32.5°	15149.6	14629.9	14002.1	13180.5	12361.6	11473.6	9991.1	9108.4	8360.4	7697.2	7036.6
35°	13234.9	12677.6	12013.4	11175.5	10361.5	9498.1	8137.9	7341.9	6681.4	6095.2	5561.8
37.5°	11181.1	10633.9	10002.6	9212.9	8458.0	7675.7	6502.0	5835.0	5280.7	4794.2	4382.2
40°	9045.7	8566.8	8020.6	7337.8	6693.6	6042.2	5078.7	4549.2	4111.8	3740.8	3432.1
42.5°	6936.5	6565.4	6146.5	5606.9	5114.0	4617.9	3876.4	3484.1	3160.1	2893.0	2674.7
45°	5032.7	4784.4	4503.5	4128.4	3787.3	3441.3	2913.4	2637.8	2426.8	2254.5	2109.0
47.5°	3518.1	3374.1	3365.3	3018.6	2768.6	2557.0	2216.9	2042.8	1913.6	1809.2	1717.0
50°	2470.6	2401.0	2314.4	2190.8	2074.7	1955.0	1748.0	1642.7	1566.9	1503.7	1445.4
52.5°	1847.0	1810.8	1764.8	1699.0	1636.2	1568.9	1437.9	1370.8	1347.0	1288.2	1242.0
55°	1475.3	1454.5	1428.2	1389.7	1351.4	1336.1	1223.8	1174.0	1142.5	1119.3	1094.5
57.5°	1225.4	1210.0	1194.4	1168.2	1146.1	1119.3	1059.7	1034.1	1015.4	1001.7	984.5
60°	1045.2	1036.0	1027.3	1011.9	1000.0	985.5	947.7	933.3	923.5	915.3	904.3
62.5°	922.6	917.8	913.3	905.2	899.1	891.2	865.3	858.4	853.5	849.4	842.7
65°	834.0	830.6	828.1	822.7	819.6	815.0	792.8	788.1	785.1	783.6	779.7
67.5°	753.5	750.0	748.3	744.5	743.2	740.3	722.1	719.5	718.5	719.0	717.6
70°	678.3	676.8	677.6	676.9	678.7	679.1	668.1	668.0	669.2	671.6	671.8
72.5°	633.2	633.2	634.0	634.4	636.0	636.8	627.7	627.2	627.7	629.4	629.5
75°	590.3	590.9	593.3	594.1	595.9	596.3	584.3	582.9	582.9	584.6	584.1
77.5°	530.8	533.4	537.8	540.2	543.9	544.6	531.0	529.3	529.4	531.0	529.6
80°	463.4	468.4	475.4	480.3	486.0	488.4	474.3	471.0	468.0	467.5	464.6
82.5°	391.8	397.8	406.3	410.7	416.9	418.3	394.9	390.4	387.8	388.0	385.4
85°	299.1	303.6	311.3	313.8	317.7	317.3	290.6	279.2	282.2	277.4	281.1
87.5°	187.6	190.3	195.1	195.7	197.5	197.1	170.2	164.9	163.4	163.5	161.5
90°	130.8	135.2	141.9	144.6	149.9	152.1	132.9	132.9	128.8	127.6	122.7
92.5°	81.3	87.1	93.1	99.0	105.0	111.0	114.4	119.6	113.6	107.2	101.3
95°	97.5	107.4	117.2	127.0	136.8	146.7	156.5	166.3	157.2	147.9	138.7
97.5°	109.5	121.1	132.7	144.4	156.0	167.6	179.2	190.8	180.9	170.9	161.1
100°	144.3	165.9	187.5	209.1	230.7	252.3	274.1	295.7	276.7	257.7	238.6
102.5°	302.0	348.0	393.9	439.9	485.7	531.8	577.9	623.8	580.2	536.5	492.8
105°	587.2	661.7	736.1	810.5	884.9	959.4	1034.1	1108.6	1038.9	969.1	899.5
107.5°	932.0	1007.5	1083.1	1158.5	1234.1	1309.7	1385.6	1461.1	1393.2	1325.1	1257.1
110°	1145.7	1200.9	1256.2	1311.2	1366.4	1421.7	1477.2	1532.6	1491.7	1450.9	1410.1



TEST NUMBER: P1444591
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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	1192.3	1231.9	1271.4	1310.9	1350.1	1389.7	1429.9	1469.6	1449.2	1428.7	1408.4
115°	1126.5	1153.3	1179.9	1206.6	1233.3	1260.0	1287.6	1314.5	1308.1	1301.6	1295.3
117.5°	1012.9	1027.9	1043.0	1058.0	1072.9	1088.0	1104.1	1119.3	1120.6	1122.0	1123.4
120°	891.8	898.3	904.8	911.3	917.7	924.1	932.0	938.7	944.5	950.2	956.0
122.5°	788.5	791.0	793.7	796.3	798.9	801.4	805.6	808.6	812.6	816.8	820.9
125°	704.7	706.3	707.6	709.1	710.4	712.0	715.1	716.9	717.5	717.9	718.5
127.5°	647.9	648.4	649.0	649.5	649.9	650.5	652.8	653.7	651.7	649.8	647.7
130°	606.0	606.9	607.8	608.7	609.6	610.6	613.4	614.9	611.1	607.2	603.5
132.5°	577.9	579.0	580.0	581.3	582.4	583.5	586.7	588.3	584.0	579.4	574.9
135°	553.8	555.2	556.6	557.7	559.1	560.6	564.2	566.1	562.0	557.5	553.4
137.5°	533.3	534.7	536.0	537.4	538.8	540.2	544.2	546.0	542.8	539.3	536.1
140°	515.3	516.9	518.5	520.1	521.7	523.5	527.7	529.9	527.5	524.8	522.3
142.5°	497.4	499.7	501.7	503.9	505.9	508.2	513.1	515.9	514.0	512.2	510.3
145°	485.1	487.6	489.9	492.3	494.6	497.1	502.6	505.9	504.8	503.5	502.4
147.5°	473.8	476.0	478.2	480.3	482.5	485.0	490.6	493.6	493.1	492.4	491.7
150°	462.7	464.9	467.1	469.3	471.7	474.1	480.2	483.5	483.0	482.4	481.7
152.5°	450.7	452.6	454.6	456.7	458.7	461.0	468.0	471.2	470.7	470.0	469.6
155°	442.3	443.9	445.5	447.1	448.8	450.6	457.7	460.7	460.5	460.2	459.9
157.5°	438.4	439.5	440.6	441.7	443.0	444.3	451.5	454.2	453.9	453.7	453.4
160°	435.0	435.9	436.7	437.8	438.7	439.8	446.9	449.5	449.3	449.0	448.7
162.5°	432.4	433.8	434.9	435.9	437.1	438.5	445.9	448.8	448.2	447.8	447.3
165°	433.0	433.7	434.4	435.3	436.0	436.8	443.6	445.9	445.8	445.5	445.2
167.5°	434.2	435.1	435.8	436.7	437.5	438.5	444.9	447.0	446.8	446.5	446.4
170°	436.7	437.5	438.0	438.9	439.6	440.4	445.7	447.4	447.2	446.6	446.2
172.5°	439.3	440.2	440.8	441.6	442.4	443.2	447.7	449.5	449.2	448.9	448.3
175°	439.1	439.6	440.2	440.8	441.4	442.0	445.6	446.8	446.7	446.6	446.4
177.5°	442.3	442.7	443.1	443.6	444.0	444.5	446.6	447.4	447.4	447.4	447.3
180°	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7



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CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1
2.5°	21025.1	21032.4	21033.5	21042.2	21041.5	21051.8	21050.1	21058.6	21053.7	21060.5	21054.7
5°	21518.9	21563.7	21587.1	21630.9	21644.6	21683.8	21694.8	21730.5	21731.9	21760.2	21753.8
7.5°	22217.1	22283.1	22322.3	22376.3	22403.7	22448.7	22468.5	22501.8	22512.5	22539.0	22541.0
10°	22634.0	22666.1	22688.4	22703.5	22717.3	22723.7	22731.3	22729.2	22731.3	22728.4	22734.7
12.5°	22470.0	22423.2	22392.2	22333.7	22299.7	22234.9	22203.0	22140.8	22118.2	22064.6	22057.0
15°	21639.5	21476.3	21361.1	21193.5	21088.1	20923.2	20826.8	20678.0	20610.1	20491.8	20460.8
17.5°	20125.8	19823.0	19588.7	19288.0	19079.5	18798.6	18621.8	18389.3	18261.9	18074.4	18009.5
20°	18003.6	17555.6	17204.1	16785.4	16485.7	16112.3	15873.3	15571.9	15396.8	15166.5	15073.2
22.5°	15512.1	14954.3	14515.3	14020.7	13659.1	13243.0	12956.6	12630.4	12440.1	12189.9	12079.1
25°	12944.2	12329.0	11841.0	11319.8	10937.8	10520.7	10234.3	9913.8	9716.8	9479.2	9369.2
27.5°	10488.1	9865.4	9393.7	8909.2	8558.8	8182.5	7923.9	7644.2	7469.3	7266.6	7163.0
30°	8320.7	7771.5	7370.1	6968.0	6676.4	6370.9	6156.0	5924.2	5770.8	5597.1	5498.5
32.5°	6554.8	6130.9	5816.6	5497.5	5258.9	5003.5	4817.9	4613.4	4474.9	4319.9	4230.5
35°	5191.3	4861.9	4611.2	4348.5	4143.6	3926.1	3762.5	3586.0	3461.7	3328.3	3251.0
37.5°	4101.7	3839.7	3633.4	3415.3	3246.9	3066.7	3006.0	2803.3	2674.6	2568.1	2494.3
40°	3219.0	3010.8	2840.1	2673.2	2535.9	2399.2	2289.5	2181.2	2098.1	2021.9	1969.2
42.5°	2513.8	2362.9	2238.2	2116.0	2015.8	1916.2	1836.8	1762.2	1706.2	1656.4	1622.4
45°	1998.3	1894.6	1808.0	1721.8	1651.2	1584.7	1531.2	1483.6	1447.5	1417.5	1396.3
47.5°	1641.7	1570.7	1509.6	1451.4	1403.5	1360.0	1324.1	1312.4	1273.5	1247.3	1237.4
50°	1395.2	1352.3	1305.8	1263.0	1231.0	1199.2	1175.9	1153.1	1138.6	1126.5	1122.8
52.5°	1211.2	1178.4	1152.6	1125.5	1104.4	1081.7	1065.7	1050.4	1042.5	1036.2	1035.4
55°	1074.5	1051.5	1034.4	1016.3	1003.6	990.2	982.0	973.9	970.5	967.2	967.5
57.5°	971.0	955.7	944.6	932.8	925.9	919.5	917.4	915.4	916.5	917.0	918.7
60°	895.5	885.6	878.6	871.9	869.0	867.0	868.5	870.3	873.9	876.9	879.5
62.5°	837.8	832.1	828.7	825.0	824.7	824.9	828.0	831.0	835.6	839.1	841.6
65°	778.4	775.0	773.9	771.7	772.8	773.5	777.3	779.5	784.2	786.9	790.1
67.5°	718.2	717.5	718.1	718.1	720.2	722.1	725.6	728.3	732.1	734.6	737.3
70°	673.8	674.1	675.8	676.1	678.4	679.5	682.7	684.4	687.9	690.0	693.2
72.5°	630.6	629.9	630.3	629.3	630.1	629.8	631.5	632.4	635.3	637.0	640.8
75°	584.8	582.8	582.3	580.2	580.3	578.8	579.5	579.4	581.4	582.2	584.9
77.5°	529.2	525.9	524.3	520.9	520.8	519.5	520.9	521.7	525.1	526.8	529.9
80°	462.8	457.6	455.3	451.3	451.9	451.7	455.2	457.7	462.0	462.8	466.8
82.5°	384.7	379.5	377.0	373.0	374.0	374.0	377.1	377.7	381.3	382.9	387.5
85°	275.4	277.4	271.9	272.3	271.1	273.3	275.4	278.1	281.1	286.1	290.1
87.5°	162.2	161.5	163.5	163.6	166.5	168.0	172.5	175.0	180.1	184.1	191.2
90°	120.6	115.7	115.0	111.9	112.4	109.2	109.9	107.0	108.2	106.8	108.9
92.5°	94.7	88.7	82.2	76.1	69.7	63.8	60.5	58.0	54.7	52.3	48.9
95°	129.6	120.4	111.3	102.1	92.9	83.8	80.4	77.1	73.8	70.4	67.0
97.5°	151.3	141.4	131.6	121.7	111.9	102.1	99.8	97.6	95.4	93.1	91.0
100°	219.5	200.6	181.6	162.5	143.5	124.6	122.8	121.0	119.2	117.5	115.6
102.5°	449.3	405.8	362.3	318.6	275.0	231.4	223.9	216.3	208.6	201.1	193.5
105°	829.6	759.9	690.1	620.5	550.9	481.1	460.4	439.4	418.6	397.8	377.1
107.5°	1189.0	1121.2	1053.2	985.2	917.3	849.3	816.5	783.7	750.7	717.8	684.9
110°	1369.1	1328.3	1287.7	1246.7	1206.1	1165.4	1133.9	1102.7	1071.3	1039.9	1008.7



TEST NUMBER: P1444591
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CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	1388.1	1367.7	1347.4	1327.1	1306.8	1286.5	1271.2	1255.9	1240.7	1225.5	1210.1
115°	1288.8	1282.6	1276.1	1269.9	1263.6	1257.3	1256.2	1255.3	1254.2	1253.2	1252.2
117.5°	1124.8	1126.2	1127.5	1129.0	1130.5	1131.9	1140.1	1148.4	1156.6	1165.1	1173.5
120°	961.7	967.4	973.1	979.0	984.8	990.7	1001.7	1012.8	1023.9	1035.2	1046.4
122.5°	825.0	829.0	833.2	837.4	841.5	845.7	856.6	867.7	878.7	889.9	901.1
125°	718.8	719.4	719.8	720.2	720.8	721.4	730.5	739.6	748.8	758.1	767.3
127.5°	645.7	643.6	641.5	639.6	637.5	635.5	640.9	646.5	652.0	657.6	663.3
130°	599.6	595.8	591.7	588.1	584.1	580.3	582.7	584.9	587.4	589.8	592.2
132.5°	570.3	565.9	561.3	556.8	552.2	547.6	547.8	548.1	548.3	548.7	549.2
135°	549.1	544.9	540.4	536.2	531.7	527.6	526.7	525.8	524.8	524.1	523.4
137.5°	532.8	529.3	526.0	522.7	519.1	515.8	514.2	513.0	511.7	510.6	509.3
140°	519.5	517.0	514.1	511.6	508.8	506.3	505.0	504.1	502.9	502.0	501.0
142.5°	508.3	506.5	504.5	502.6	500.8	498.8	497.6	496.6	495.6	494.7	493.7
145°	501.3	500.1	498.9	497.7	496.4	495.4	494.5	493.7	492.9	492.3	491.6
147.5°	491.1	490.5	489.8	489.0	488.3	487.6	487.0	486.7	486.1	485.8	485.3
150°	481.1	480.5	479.8	479.3	478.5	477.9	477.7	477.5	477.3	477.3	477.0
152.5°	468.9	468.4	467.8	467.3	466.5	465.9	465.7	465.7	465.5	465.4	465.2
155°	459.5	459.2	458.8	458.5	458.0	457.8	457.4	457.1	456.8	456.4	456.0
157.5°	453.1	452.8	452.4	452.2	451.7	451.5	451.2	450.9	450.5	450.2	449.8
160°	448.4	448.2	447.8	447.5	447.2	446.9	446.3	445.9	445.2	444.8	444.2
162.5°	446.8	446.2	445.9	445.3	444.7	444.3	443.9	443.5	443.2	442.9	442.5
165°	444.9	444.6	444.3	444.0	443.7	443.4	442.8	442.4	441.7	441.2	440.7
167.5°	446.1	445.9	445.6	445.4	445.0	444.6	444.2	443.6	443.1	442.6	441.9
170°	445.9	445.4	445.0	444.4	444.0	443.5	443.0	442.4	441.9	441.5	440.8
172.5°	448.0	447.7	447.2	446.8	446.3	446.0	445.6	445.1	444.7	444.2	443.8
175°	446.3	446.3	446.2	446.0	446.0	445.8	445.6	445.6	445.4	445.3	445.1
177.5°	447.3	447.2	447.2	447.1	447.0	447.0	446.7	446.5	446.2	445.9	445.7
180°	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7



TEST NUMBER: P1444591
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CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1
2.5°	21060.7	21055.4	21058.0	21048.1	21050.4	21038.5	21037.5	21024.0	21022.7	21010.1	21005.2
5°	21773.9	21762.1	21775.3	21754.7	21758.7	21731.9	21729.7	21695.0	21683.0	21639.7	21620.9
7.5°	22557.5	22553.1	22561.2	22544.0	22543.4	22519.4	22509.6	22478.5	22459.2	22413.6	22384.6
10°	22729.2	22733.3	22726.7	22728.4	22719.0	22716.4	22706.8	22700.8	22685.1	22673.3	22656.0
12.5°	22016.3	22020.6	21993.4	22010.6	21997.0	22028.9	22026.2	22063.7	22069.5	22116.9	22134.9
15°	20368.6	20363.5	20311.3	20344.2	20326.6	20396.3	20412.0	20505.9	20556.1	20676.8	20750.8
17.5°	17879.5	17866.1	17792.6	17832.7	17812.2	17915.2	17949.8	18100.0	18193.7	18388.0	18526.5
20°	14912.5	14886.6	14800.7	14847.5	14826.6	14943.5	14992.8	15174.3	15295.2	15552.6	15735.7
22.5°	11908.5	11867.8	11783.6	11827.3	11807.5	11928.7	11992.8	12174.9	12313.4	12577.6	12791.3
25°	9210.9	9174.7	9093.2	9123.9	9116.5	9219.0	9276.0	9448.3	9584.4	9836.0	10040.1
27.5°	7025.4	6987.6	6914.1	6935.8	6928.3	7015.6	7069.5	7213.4	7330.4	7542.3	7721.4
30°	5376.9	5331.4	5269.0	5281.0	5275.9	5346.6	5396.8	5518.0	5618.4	5797.5	5951.8
32.5°	4121.3	4075.7	4018.4	4024.0	4016.4	4071.9	4113.3	4218.7	4306.1	4458.4	4592.7
35°	3153.4	3206.8	3084.5	3162.0	3081.3	3199.8	3157.1	3223.1	3298.2	3426.5	3538.6
37.5°	2424.3	2387.0	2355.5	2352.2	2352.0	2379.5	2411.9	2475.3	2541.5	2637.1	2735.8
40°	1921.0	1894.9	1874.6	1873.1	1874.6	1894.1	1918.1	1961.9	2010.4	2079.1	2151.6
42.5°	1593.4	1576.0	1563.7	1562.9	1566.7	1580.6	1597.3	1623.3	1654.8	1699.3	1749.0
45°	1379.0	1369.4	1362.6	1362.2	1364.0	1371.2	1380.8	1397.0	1417.0	1444.7	1476.3
47.5°	1228.6	1226.4	1222.1	1222.2	1220.3	1223.2	1224.3	1233.4	1244.1	1265.0	1306.1
50°	1119.2	1119.2	1116.3	1116.1	1113.3	1113.1	1110.8	1114.4	1119.4	1132.4	1145.4
52.5°	1032.7	1032.4	1029.1	1028.5	1025.6	1025.4	1023.4	1024.8	1025.5	1032.1	1039.9
55°	965.0	963.0	958.8	957.4	956.3	958.0	957.2	957.3	956.4	959.2	961.6
57.5°	916.5	913.8	909.9	908.7	908.4	910.5	910.5	909.8	906.2	903.7	900.2
60°	878.1	875.4	871.2	870.1	870.7	873.5	873.3	871.0	865.6	860.9	855.3
62.5°	840.3	839.3	837.1	836.8	836.2	836.7	834.7	832.3	826.9	821.9	815.9
65°	789.8	790.3	788.7	788.9	787.0	786.6	783.7	781.3	775.8	771.3	765.1
67.5°	737.2	737.6	736.2	736.2	735.2	735.4	733.7	731.4	726.8	723.1	718.3
70°	693.9	695.0	694.2	694.5	693.2	692.7	690.0	687.7	683.0	679.9	675.6
72.5°	642.0	644.4	644.3	644.9	643.0	642.0	638.7	635.9	631.7	629.1	625.8
75°	586.0	589.1	590.0	591.2	588.6	587.2	583.6	581.4	577.9	576.4	574.1
77.5°	531.4	534.8	537.9	540.8	536.6	532.8	528.2	524.7	519.7	517.8	514.2
80°	470.0	475.9	483.0	488.9	481.2	473.5	465.9	460.3	453.7	451.0	446.6
82.5°	390.0	396.0	400.1	403.8	398.5	392.8	385.5	380.6	373.5	370.8	365.8
85°	296.3	303.8	306.2	308.2	304.8	301.8	294.9	285.6	281.1	274.1	270.4
87.5°	194.9	199.4	200.2	200.9	198.8	197.3	192.9	188.6	180.8	175.2	168.5
90°	106.7	107.6	103.9	102.9	102.2	104.3	101.7	102.3	97.7	97.3	93.5
92.5°	46.3	43.1	40.3	37.3	40.7	43.1	46.5	48.9	52.2	54.7	58.0
95°	63.7	60.3	57.0	53.6	56.3	59.0	61.7	64.3	67.1	69.7	72.4
97.5°	88.7	86.4	84.3	82.0	83.6	85.2	86.7	88.3	89.8	91.4	93.0
100°	113.8	112.1	110.3	108.5	108.5	108.5	108.5	108.5	108.5	108.5	108.5
102.5°	185.9	178.3	170.7	163.2	168.3	173.4	178.6	183.7	188.8	193.9	199.2
105°	356.3	335.5	314.7	294.0	314.1	334.2	354.3	374.3	394.5	414.7	434.9
107.5°	652.0	619.2	586.4	553.6	590.3	626.9	663.5	700.2	736.7	773.3	810.2
110°	977.5	946.1	914.9	883.7	922.5	961.4	1000.2	1039.1	1078.0	1116.9	1155.7



TEST NUMBER: P1444591
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CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	1194.9	1179.7	1164.6	1149.4	1174.4	1199.4	1224.4	1249.6	1274.6	1299.7	1324.7
115°	1251.2	1250.3	1249.5	1248.6	1260.4	1272.2	1284.0	1296.0	1307.9	1319.8	1331.8
117.5°	1181.8	1190.1	1198.7	1207.1	1211.0	1214.7	1218.6	1222.4	1226.4	1230.3	1234.2
120°	1057.7	1068.9	1080.3	1091.7	1090.1	1088.6	1087.0	1085.4	1084.2	1082.8	1081.5
122.5°	912.3	923.6	935.0	946.3	943.0	939.6	936.4	933.2	929.9	926.8	923.6
125°	776.9	786.2	795.7	805.3	801.9	798.6	795.4	792.2	789.0	785.8	782.9
127.5°	669.1	674.9	680.8	686.7	685.1	683.6	682.3	680.7	679.5	678.3	677.1
130°	594.8	597.5	600.3	602.9	603.3	603.8	604.5	605.1	605.9	606.6	607.4
132.5°	549.9	550.4	551.1	551.7	553.5	555.3	557.3	559.3	561.5	563.4	566.0
135°	522.9	522.3	521.8	521.5	524.1	526.7	529.6	532.4	535.4	538.5	541.7
137.5°	508.3	507.3	506.5	505.5	508.1	510.8	513.6	516.5	519.4	522.5	525.8
140°	500.2	499.3	498.8	498.0	500.7	503.3	506.1	508.9	512.0	515.0	518.2
142.5°	493.0	492.0	491.4	490.8	493.1	495.6	498.2	500.8	503.5	506.3	509.1
145°	491.0	490.5	490.0	489.6	491.2	493.0	495.0	496.8	498.9	500.8	503.1
147.5°	485.0	484.8	484.6	484.4	485.7	486.9	488.4	489.8	491.2	492.8	494.5
150°	477.0	476.9	476.9	476.9	477.7	478.6	479.5	480.3	481.4	482.4	483.6
152.5°	465.3	465.1	465.3	465.3	466.0	466.8	467.7	468.4	469.4	470.3	471.5
155°	455.9	455.7	455.4	455.2	455.5	455.8	456.3	456.5	457.1	457.3	457.9
157.5°	449.7	449.4	449.2	448.9	448.9	449.0	449.1	449.1	449.4	449.4	449.6
160°	443.8	443.1	442.7	442.3	442.6	442.7	443.1	443.2	443.6	443.9	444.3
162.5°	442.3	442.0	441.7	441.4	441.2	440.9	440.8	440.6	440.4	440.2	440.2
165°	440.2	439.6	439.2	438.6	438.6	438.6	438.6	438.6	438.6	438.6	438.8
167.5°	441.5	440.9	440.5	440.0	439.6	439.1	438.7	438.3	437.9	437.5	437.2
170°	440.6	440.1	439.6	439.2	439.0	438.8	438.7	438.5	438.4	438.3	438.3
172.5°	443.4	443.0	442.5	442.2	442.0	441.8	441.8	441.7	441.5	441.5	441.5
175°	445.0	444.9	444.8	444.6	444.3	444.1	443.8	443.6	443.4	443.1	442.8
177.5°	445.4	445.0	444.8	444.6	444.5	444.5	444.5	444.5	444.5	444.4	444.4
180°	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7



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CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1
2.5°	20991.7	20986.2	20971.6	20964.5	20951.0	20944.2	20933.7	20927.0	20918.5	20912.2	20909.0
5°	21573.3	21546.5	21492.6	21459.5	21401.4	21363.2	21305.5	21263.2	21203.7	21159.7	21103.4
7.5°	22329.9	22288.8	22219.8	22167.7	22086.3	22024.3	21933.0	21860.1	21759.3	21675.6	21572.7
10°	22638.1	22614.0	22583.1	22549.5	22504.5	22460.3	22398.0	22334.6	22250.0	22165.8	22055.9
12.5°	22182.7	22205.3	22250.0	22270.8	22304.9	22316.5	22332.2	22324.8	22311.0	22276.6	22226.8
15°	20893.2	20987.7	21136.9	21240.2	21384.9	21486.5	21620.9	21707.5	21807.2	21866.7	21923.3
17.5°	18771.8	18954.5	19218.0	19428.2	19710.3	19939.8	20220.8	20441.6	20696.6	20892.2	21100.4
20°	16054.8	16310.6	16674.4	16983.2	17392.0	17738.7	18182.9	18554.9	18988.9	19350.7	19741.2
22.5°	13130.5	13431.5	13848.2	14220.7	14708.9	15145.0	15701.4	16193.5	16780.2	17305.8	17887.2
25°	10371.8	10666.8	11091.2	11476.9	12004.0	12484.4	13092.3	13656.7	14337.5	14972.5	15701.4
27.5°	8006.0	8268.0	8641.2	8988.3	9471.0	9942.6	10559.6	11161.4	11888.0	12570.3	13355.9
30°	6182.9	6395.5	6694.4	6973.8	7361.3	7746.9	8296.5	8853.1	9576.0	10283.2	11088.5
32.5°	4791.6	4972.8	5222.4	5449.1	5747.7	6038.5	6443.3	6887.9	7522.2	8199.5	8978.2
35°	3709.2	3864.3	4076.7	4272.0	4517.5	4748.4	5050.4	5367.9	5851.8	6421.5	7118.5
37.5°	2957.1	3020.4	3172.0	3332.0	3536.0	3725.7	3961.9	4196.7	4542.9	4992.4	5561.8
40°	2248.9	2349.3	2472.7	2598.7	2753.1	2905.3	3164.5	3289.3	3517.2	3839.9	4281.8
42.5°	1814.6	1885.2	1972.0	2059.6	2167.3	2273.2	2404.3	2537.8	2708.2	2926.8	3241.1
45°	1518.5	1564.5	1620.5	1678.9	1749.5	1821.8	1909.6	2001.3	2116.8	2251.2	2442.0
47.5°	1320.7	1346.1	1382.7	1422.5	1471.0	1521.1	1578.1	1636.5	1708.3	1787.9	1896.7
50°	1166.3	1187.5	1215.9	1242.5	1276.0	1327.3	1349.9	1382.2	1425.3	1472.2	1533.0
52.5°	1054.5	1068.6	1086.5	1101.8	1122.9	1142.1	1167.3	1189.5	1219.4	1247.6	1286.9
55°	967.5	972.7	982.8	992.6	1007.2	1020.4	1037.7	1052.2	1071.3	1088.1	1112.8
57.5°	900.4	900.7	905.5	910.6	920.0	928.3	940.1	949.7	962.9	973.6	988.5
60°	852.0	849.5	850.4	852.2	857.4	862.8	870.5	876.7	885.0	891.0	899.4
62.5°	811.9	807.8	806.8	806.4	809.0	811.0	815.1	818.1	822.9	825.5	829.9
65°	761.1	756.4	754.5	752.2	753.0	752.4	754.0	754.1	756.5	757.0	759.6
67.5°	715.0	711.1	708.6	705.7	704.4	702.3	701.3	699.3	699.0	697.3	696.9
70°	673.1	669.1	667.2	664.4	663.0	660.2	658.5	655.1	653.0	649.9	648.1
72.5°	624.4	622.3	621.7	619.8	619.3	617.8	617.1	614.6	613.2	610.5	609.0
75°	573.7	571.9	571.7	569.8	569.7	567.9	567.4	564.8	563.5	560.8	559.6
77.5°	513.1	510.5	509.8	507.5	508.1	507.2	507.9	506.1	505.2	502.4	501.6
80°	445.1	441.6	440.3	437.4	438.2	436.8	438.2	438.0	439.0	436.8	436.4
82.5°	364.3	360.6	359.9	357.9	359.2	359.4	362.3	360.7	361.3	359.3	360.2
85°	265.1	262.4	258.4	257.9	255.4	257.9	254.6	256.9	253.2	255.8	252.3
87.5°	164.3	158.6	155.6	151.5	149.9	146.0	144.3	141.4	142.3	141.0	141.7
90°	94.2	91.1	93.0	92.1	94.8	94.4	97.9	98.5	102.4	102.9	107.1
92.5°	60.5	63.5	68.9	74.4	79.6	84.9	90.3	95.8	101.0	106.5	111.7
95°	75.1	77.8	85.0	92.0	99.2	106.4	113.6	120.7	127.9	135.0	142.1
97.5°	94.6	96.2	103.3	110.4	117.6	124.7	131.8	139.2	146.4	153.4	160.6
100°	108.5	108.6	129.0	149.3	169.5	190.0	210.3	230.6	251.0	271.3	291.6
102.5°	204.3	209.4	260.8	312.3	363.5	414.9	466.3	517.8	569.0	620.6	672.1
105°	454.9	475.1	553.5	631.9	710.2	788.7	867.2	945.7	1024.0	1102.5	1181.0
107.5°	846.7	883.4	954.2	1025.1	1095.8	1166.8	1237.7	1308.6	1379.4	1450.3	1521.4
110°	1194.6	1233.5	1281.0	1328.4	1376.0	1423.4	1470.8	1518.3	1565.9	1613.4	1661.0



TEST NUMBER: P1444591
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CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	1349.7	1374.9	1402.5	1430.1	1457.8	1485.4	1513.1	1540.7	1568.5	1596.2	1624.0
115°	1343.8	1355.7	1366.3	1377.2	1387.7	1398.5	1409.3	1420.2	1431.0	1441.8	1452.7
117.5°	1238.1	1242.2	1243.8	1245.3	1246.9	1248.7	1250.3	1252.1	1254.0	1255.6	1257.4
120°	1080.0	1078.7	1076.8	1074.9	1073.0	1071.3	1069.5	1067.6	1066.1	1064.3	1062.5
122.5°	920.5	917.5	915.7	913.8	912.1	910.5	908.7	907.1	905.6	903.9	902.2
125°	779.8	777.0	778.4	779.7	781.2	782.7	784.2	785.8	787.3	788.9	790.4
127.5°	675.8	674.8	678.7	682.7	686.6	690.6	694.8	698.9	702.8	707.0	711.0
130°	608.3	609.3	614.4	619.5	624.7	629.9	635.2	640.4	645.7	650.9	656.1
132.5°	568.1	570.6	575.3	580.3	585.3	590.3	595.4	600.4	605.5	610.6	615.4
135°	544.9	548.2	552.6	557.1	561.7	566.4	570.8	575.5	579.9	584.6	589.0
137.5°	528.9	532.2	535.8	539.4	542.9	546.6	550.3	553.9	557.4	561.1	564.7
140°	521.4	524.6	526.5	528.6	530.6	532.6	534.5	536.5	538.5	540.5	542.4
142.5°	512.0	515.1	516.2	517.5	518.6	520.1	521.3	522.6	523.7	524.9	526.0
145°	505.2	507.5	507.4	507.5	507.5	507.6	507.5	507.7	507.5	507.6	507.5
147.5°	496.1	497.8	497.3	497.1	496.8	496.4	496.2	496.0	495.6	495.3	494.9
150°	484.7	485.8	485.1	484.7	483.9	483.3	482.5	481.9	481.2	480.6	479.8
152.5°	472.4	473.5	472.6	472.0	471.2	470.5	469.6	469.0	468.2	467.5	466.8
155°	458.2	458.8	458.3	458.0	457.5	457.2	456.7	456.6	456.2	455.8	455.5
157.5°	449.8	449.9	449.7	449.4	449.2	449.0	448.7	448.6	448.5	448.4	448.4
160°	444.4	444.9	444.6	444.3	444.1	443.9	443.6	443.5	443.4	443.4	443.4
162.5°	439.9	439.8	439.6	439.4	439.1	438.9	438.8	438.9	438.6	438.7	438.7
165°	438.9	439.1	438.5	438.2	437.7	437.4	437.0	436.8	436.5	436.3	436.1
167.5°	437.0	436.8	436.8	436.8	436.8	436.9	437.0	437.3	437.4	437.7	437.8
170°	438.2	438.3	438.0	437.9	437.6	437.5	437.4	437.2	437.1	437.1	436.9
172.5°	441.5	441.5	441.0	440.7	440.2	439.8	439.3	439.1	438.6	438.3	437.8
175°	442.5	442.3	442.1	441.8	441.6	441.3	441.0	440.7	440.6	440.3	440.1
177.5°	444.3	444.1	444.0	444.0	444.0	443.9	443.9	443.8	443.8	443.8	443.6
180°	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7



TEST NUMBER: P1444591
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CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1
2.5°	20904.8	20904.5	20902.5	20903.4	20903.8	20905.2	20907.1	20909.0	20909.3	20910.8	20911.1
5°	21061.1	21009.5	20971.3	20929.1	20897.5	20869.0	20850.0	20835.0	20829.1	20830.6	20834.1
7.5°	21485.4	21378.6	21290.6	21190.4	21106.9	21018.5	20945.1	20875.5	20824.7	20786.9	20765.7
10°	21950.9	21820.9	21696.5	21551.6	21414.1	21267.4	21134.5	21000.7	20889.1	20792.2	20721.1
12.5°	22157.6	22065.6	21958.0	21821.3	21674.2	21504.9	21333.9	21150.7	20980.2	20822.0	20694.4
15°	21938.8	21939.0	21899.8	21834.1	21731.9	21596.7	21433.8	21242.8	21041.7	20836.5	20649.0
17.5°	21244.4	21375.5	21448.3	21494.4	21480.3	21430.5	21326.7	21180.1	20992.6	20774.0	20545.2
20°	20052.0	20361.1	20581.4	20779.5	20890.5	20964.3	20956.9	20897.2	20763.7	20577.9	20339.6
22.5°	18381.8	18900.4	19309.6	19691.2	19958.8	20176.6	20280.0	20324.0	20263.5	20134.1	19910.3
25°	16353.0	17058.1	17659.9	18243.9	18682.0	19058.5	19284.7	19444.1	19456.8	19389.1	19189.5
27.5°	14098.6	14931.0	15692.6	16468.8	17084.8	17626.0	17981.2	18241.1	18323.6	18312.8	18131.5
30°	11847.2	12721.0	13560.5	14465.5	15227.9	15919.3	16388.4	16740.0	16875.4	16901.4	16727.0
32.5°	9720.9	10582.6	11419.8	12365.9	13204.9	13997.3	14551.6	14969.1	15126.6	15163.7	14972.5
35°	7791.1	8586.1	9381.7	10298.8	11132.8	11953.4	12537.5	12974.6	13121.8	13146.5	12925.1
37.5°	6117.7	6795.0	7488.3	8311.2	9077.0	9847.8	10402.6	10813.5	10920.7	10914.0	10663.5
40°	4708.7	5235.3	5792.3	6469.8	7106.6	7758.0	8226.6	8566.3	8622.5	8580.9	8317.6
42.5°	3540.7	3921.1	4324.9	4830.6	5303.0	5790.6	6131.5	6383.6	6391.7	6325.8	6089.5
45°	2637.8	3008.9	3178.3	3483.9	3788.3	4112.5	4320.7	4476.4	4452.3	4394.3	4214.8
47.5°	2010.9	2153.4	2304.7	2494.3	2671.6	3039.5	3012.3	3262.3	3082.2	3205.1	2934.7
50°	1596.9	1676.6	1758.1	1858.7	1951.3	2047.5	2107.6	2152.4	2146.6	2127.3	2075.5
52.5°	1358.5	1383.1	1423.3	1480.5	1532.3	1584.2	1618.5	1646.3	1646.9	1639.0	1612.9
55°	1135.4	1166.8	1195.5	1233.0	1296.6	1306.4	1355.5	1345.5	1349.5	1335.8	1349.7
57.5°	1001.1	1019.3	1035.5	1057.8	1076.2	1097.7	1110.4	1122.5	1121.4	1118.7	1105.4
60°	906.0	916.0	925.0	938.0	948.1	960.2	966.1	972.3	970.2	965.7	953.8
62.5°	832.5	838.9	844.0	852.3	858.5	866.1	869.0	871.7	869.0	864.8	854.3
65°	760.1	764.2	767.5	773.7	778.1	784.5	787.1	789.6	787.2	783.9	775.8
67.5°	694.9	695.2	694.9	697.4	698.8	702.6	703.8	705.7	702.8	700.0	693.2
70°	645.3	644.3	643.0	644.1	644.3	646.1	646.4	646.1	642.8	637.8	630.4
72.5°	606.6	606.1	605.1	606.0	606.0	607.6	607.1	606.3	602.1	597.3	590.0
75°	556.8	556.5	554.6	554.6	553.0	553.6	551.5	550.5	545.9	541.8	535.2
77.5°	498.6	497.6	494.9	493.9	490.9	489.7	485.9	484.1	479.4	476.1	470.5
80°	433.6	432.6	429.1	427.1	422.5	419.5	413.9	410.7	405.3	402.1	396.7
82.5°	358.3	358.7	355.3	352.8	346.2	341.0	333.6	329.6	323.7	320.5	314.9
85°	254.9	251.3	253.1	253.0	248.8	244.4	238.3	234.1	229.1	226.1	222.2
87.5°	139.8	140.7	139.7	138.8	135.8	133.6	128.9	126.3	122.7	120.9	118.0
90°	100.0	96.5	89.7	86.2	79.6	74.9	67.6	63.5	56.5	54.6	50.7
92.5°	105.7	99.6	93.8	87.5	81.7	75.6	69.6	63.6	57.6	55.4	53.5
95°	133.4	124.7	116.0	107.4	98.6	90.0	81.3	72.7	63.9	62.2	60.4
97.5°	150.4	140.1	129.9	119.6	109.4	99.1	89.0	78.7	68.5	67.4	66.2
100°	268.1	244.5	220.8	197.1	173.7	150.0	126.3	102.6	79.1	77.7	76.4
102.5°	614.7	557.3	500.1	442.8	385.5	328.2	270.8	213.4	156.2	147.9	139.7
105°	1094.3	1007.5	920.9	834.2	747.3	660.5	573.8	487.0	400.3	372.4	344.5
107.5°	1439.7	1358.1	1276.7	1195.1	1113.5	1032.0	950.5	868.8	787.2	738.1	689.1
110°	1596.3	1531.4	1466.7	1402.0	1337.2	1272.4	1207.6	1142.8	1078.1	1035.6	993.5



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CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	1576.6	1528.9	1481.6	1434.0	1386.5	1338.9	1291.5	1243.8	1196.2	1170.5	1144.8
115°	1424.1	1395.3	1366.7	1338.0	1309.3	1280.5	1251.9	1222.9	1194.3	1180.6	1166.9
117.5°	1242.8	1227.9	1213.3	1198.5	1183.7	1168.8	1154.1	1139.1	1124.3	1119.5	1114.6
120°	1058.1	1053.5	1048.7	1044.1	1039.3	1034.7	1029.9	1025.2	1020.4	1020.8	1021.2
122.5°	903.7	905.2	906.6	907.9	909.5	910.8	912.2	913.5	914.8	918.2	921.6
125°	794.4	798.3	802.2	806.2	810.1	814.0	817.9	821.7	825.7	829.0	832.5
127.5°	715.6	719.9	724.4	728.8	733.3	737.5	742.0	746.1	750.7	753.6	756.7
130°	660.0	663.6	667.5	671.2	675.0	678.8	682.4	686.2	690.0	692.2	694.5
132.5°	618.7	622.1	625.5	628.8	632.2	635.3	638.9	642.1	645.6	647.0	648.7
135°	591.5	593.9	596.3	598.6	601.3	603.6	606.1	608.5	611.1	612.0	613.0
137.5°	566.7	568.5	570.6	572.5	574.4	576.4	578.6	580.4	582.7	582.8	583.4
140°	544.6	546.6	548.8	550.9	553.1	555.2	557.5	559.8	562.1	562.4	562.7
142.5°	527.7	529.3	530.8	532.4	534.3	535.7	537.5	539.5	541.2	541.5	541.9
145°	509.6	511.6	513.5	515.5	517.5	519.6	521.9	524.0	526.3	526.3	526.4
147.5°	496.5	498.1	500.0	501.7	503.4	505.2	507.3	509.1	511.2	511.2	511.2
150°	481.8	483.7	485.5	487.4	489.4	491.4	493.5	495.7	498.0	498.4	498.8
152.5°	468.8	470.8	472.9	475.0	477.3	479.5	481.9	484.2	486.5	486.9	487.4
155°	457.5	459.5	461.8	463.9	466.1	468.3	470.6	472.9	475.1	475.8	476.3
157.5°	450.3	452.0	454.0	456.0	457.8	459.8	461.9	463.8	466.0	466.4	466.9
160°	445.1	446.5	448.3	450.1	451.7	453.5	455.4	457.1	458.9	459.3	459.8
162.5°	440.4	441.9	443.7	445.3	447.1	448.7	450.6	452.1	454.0	454.4	454.9
165°	437.3	438.5	439.8	440.8	442.2	443.4	444.7	446.0	447.2	447.7	448.4
167.5°	438.9	439.7	440.6	441.4	442.5	443.5	444.5	445.4	446.4	446.9	447.5
170°	437.9	438.7	439.5	440.4	441.3	442.2	443.0	443.9	445.0	445.4	446.1
172.5°	438.4	438.8	439.6	440.0	440.7	441.1	441.8	442.4	443.0	443.8	444.3
175°	440.4	440.7	440.9	441.1	441.5	441.8	442.1	442.6	442.9	443.4	443.9
177.5°	443.8	444.0	444.3	444.5	444.9	445.1	445.5	445.7	446.0	446.6	447.3
180°	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7



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CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1
2.5°	20910.4	20910.2	20909.5	20908.6	20907.6	20908.2	20909.1	20911.5	20915.7	20921.7	20929.7
5°	20837.0	20841.3	20843.7	20844.0	20841.8	20840.5	20842.6	20848.3	20859.9	20879.3	20905.5
7.5°	20760.1	20765.3	20773.4	20779.5	20780.6	20779.1	20779.5	20788.5	20809.9	20847.8	20900.8
10°	20677.8	20662.2	20670.5	20685.5	20697.5	20699.7	20701.1	20711.8	20743.1	20800.3	20885.6
12.5°	20601.9	20552.5	20543.0	20556.5	20574.7	20580.6	20578.9	20583.5	20620.2	20695.9	20814.8
15°	20502.1	20409.0	20377.3	20380.7	20403.2	20411.3	20405.4	20396.3	20432.1	20524.5	20678.4
17.5°	20340.5	20190.4	20132.0	20129.4	20155.8	20162.7	20148.3	20120.3	20155.4	20270.8	20461.8
20°	20095.0	19873.4	19763.2	19745.8	19774.3	19766.0	19737.1	19694.9	19741.0	19881.3	20108.5
22.5°	19653.3	19372.7	19184.6	19123.9	19158.1	19135.3	19093.2	19039.2	19100.5	19259.9	19513.0
25°	18931.7	18607.5	18349.9	18205.5	18232.7	18191.9	18146.1	18080.6	18153.8	18336.7	18615.3
27.5°	17871.2	17496.5	17177.5	16938.3	16947.1	16893.6	16840.9	16756.1	16847.5	17064.0	17378.2
30°	16460.9	16027.4	15638.8	15313.8	15284.7	15232.9	15178.8	15067.6	15181.9	15441.1	15808.2
32.5°	14689.8	14208.5	13759.5	13348.6	13271.0	13220.4	13172.3	13044.3	13194.0	13496.2	13917.9
35°	12618.5	12105.9	11619.1	11149.7	11021.3	10970.7	10928.5	10805.9	10992.7	11321.6	11777.1
37.5°	10345.1	9821.3	9338.0	8856.7	8675.3	8606.6	8576.1	8495.7	8711.1	9036.5	9493.8
40°	8011.2	7524.2	7090.9	6665.7	6458.9	6353.8	6337.8	6323.1	6531.5	6813.7	7228.9
42.5°	5827.8	5434.8	5100.8	4775.8	4588.4	4444.9	4444.8	4488.4	4675.9	4887.3	5207.5
45°	4031.3	3767.6	3554.7	3337.6	3395.6	3109.6	3277.7	3191.4	3284.1	3420.4	3628.5
47.5°	2771.1	2627.2	2510.2	2388.9	2300.5	2216.1	2223.5	2277.9	2365.2	2446.1	2554.4
50°	2019.7	1946.4	1886.8	1823.8	1779.8	1742.6	1744.7	1768.3	1814.2	1856.8	1913.5
52.5°	1582.5	1542.1	1509.8	1474.9	1451.8	1433.3	1434.3	1445.8	1470.6	1494.9	1527.4
55°	1304.4	1299.6	1257.4	1226.2	1214.3	1201.8	1204.1	1208.6	1225.5	1239.7	1261.2
57.5°	1093.1	1074.2	1061.5	1045.1	1037.6	1028.8	1030.8	1032.5	1043.8	1053.3	1068.8
60°	943.9	930.5	921.6	910.4	905.4	899.9	901.1	902.1	909.3	915.6	926.7
62.5°	844.8	832.8	825.0	816.4	812.8	809.1	810.0	810.3	814.8	819.4	827.8
65°	768.7	759.2	752.7	745.3	741.6	737.7	738.1	738.1	741.9	745.3	751.5
67.5°	688.3	681.1	676.9	671.0	668.5	664.6	664.5	663.2	665.7	667.1	671.3
70°	623.7	616.5	611.2	605.5	602.3	598.9	598.9	599.0	601.9	604.9	610.5
72.5°	583.9	576.9	572.2	567.3	564.2	561.3	560.8	560.5	562.6	564.2	567.9
75°	531.0	525.5	522.8	518.1	515.8	512.4	511.9	510.3	511.3	511.7	514.3
77.5°	467.0	461.8	459.5	454.8	452.8	449.0	448.7	447.0	447.8	447.2	449.4
80°	394.0	389.3	388.0	384.1	383.2	379.7	379.2	377.0	377.7	376.0	376.8
82.5°	312.5	308.1	307.3	303.6	303.6	300.5	300.3	297.1	297.1	294.4	290.1
85°	220.1	216.9	215.6	212.7	211.8	209.2	207.9	204.9	203.8	201.9	201.3
87.5°	116.2	114.1	112.4	111.0	108.3	103.8	103.4	100.2	100.5	98.2	98.3
90°	49.1	45.5	44.1	40.7	39.0	36.2	34.8	35.8	37.2	38.3	39.8
92.5°	51.6	49.5	47.5	45.5	43.5	41.5	39.5	41.5	43.5	45.5	47.5
95°	58.5	56.8	55.0	53.2	51.4	49.6	47.8	49.6	51.4	53.3	55.1
97.5°	65.1	63.9	62.9	61.7	60.6	59.4	58.3	59.5	60.7	61.8	63.0
100°	75.0	73.7	72.4	71.0	69.6	68.4	67.0	68.6	69.8	71.2	72.6
102.5°	131.5	123.3	114.9	106.7	98.4	90.2	81.9	90.2	98.4	106.8	115.0
105°	316.6	288.8	260.8	232.9	205.0	177.1	149.2	177.2	205.1	233.0	261.0
107.5°	640.0	591.0	541.9	492.9	443.7	394.7	345.6	394.7	443.8	492.9	542.0
110°	951.0	908.7	866.4	824.0	781.6	739.3	696.8	739.4	781.8	824.2	866.7



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CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	1119.0	1093.2	1067.4	1041.7	1015.8	990.0	964.1	990.2	1016.1	1042.1	1067.9
115°	1153.4	1139.6	1126.2	1112.4	1098.7	1085.0	1071.2	1085.2	1099.1	1112.9	1126.8
117.5°	1109.7	1104.9	1100.0	1095.0	1090.1	1085.1	1080.1	1085.3	1090.5	1095.7	1100.7
120°	1021.5	1021.9	1022.2	1022.5	1022.7	1022.9	1023.1	1023.3	1023.3	1023.3	1023.2
122.5°	924.9	928.3	931.5	934.7	938.0	941.1	944.3	941.4	938.6	935.7	932.7
125°	835.8	839.3	842.6	845.9	849.2	852.5	855.6	852.9	850.1	847.1	844.1
127.5°	759.8	762.7	765.7	768.7	771.6	774.4	777.1	774.8	772.4	769.9	767.4
130°	696.6	699.0	701.0	703.1	705.1	707.0	708.8	707.4	705.9	704.5	702.7
132.5°	650.2	651.8	653.5	655.0	656.3	657.6	658.7	658.1	657.2	656.5	655.4
135°	614.0	614.9	615.8	616.8	617.5	618.2	618.6	618.7	618.4	618.2	617.9
137.5°	583.6	584.0	584.2	584.4	584.5	584.5	584.4	585.0	585.4	586.1	586.2
140°	562.9	563.4	563.6	563.9	564.0	564.1	563.9	564.7	565.1	565.6	565.8
142.5°	542.1	542.5	542.7	543.1	543.0	543.2	543.0	543.7	544.1	544.6	544.9
145°	526.6	526.6	526.6	526.6	526.5	526.3	525.8	526.9	527.6	528.2	528.8
147.5°	511.4	511.5	511.3	511.2	511.1	510.9	510.5	511.4	512.1	512.7	513.3
150°	499.2	499.7	500.0	500.4	500.5	500.7	500.7	501.2	501.5	501.8	501.9
152.5°	487.7	488.0	488.4	488.6	488.8	488.9	489.0	489.4	489.9	490.3	490.5
155°	476.8	477.4	477.8	478.3	478.6	479.0	479.3	479.5	479.8	479.9	480.1
157.5°	467.4	467.9	468.3	468.7	469.0	469.5	469.8	470.2	470.5	470.8	470.9
160°	460.2	460.8	461.1	461.6	462.0	462.4	462.7	463.0	463.3	463.5	463.8
162.5°	455.3	455.8	456.0	456.5	456.9	457.3	457.5	457.9	458.2	458.5	458.7
165°	449.0	449.6	450.2	450.8	451.5	451.9	452.4	452.6	452.6	452.6	452.7
167.5°	448.0	448.6	449.2	449.8	450.2	450.9	451.4	451.5	451.5	451.5	451.5
170°	446.4	446.9	447.5	448.0	448.5	449.1	449.5	449.5	449.4	449.5	449.5
172.5°	445.0	445.7	446.3	447.0	447.6	448.3	448.9	448.8	448.5	448.2	447.8
175°	444.5	445.1	445.7	446.2	446.7	447.3	448.0	447.5	447.4	447.0	446.7
177.5°	448.1	449.0	449.7	450.4	451.1	451.7	452.5	451.8	451.3	450.7	450.0
180°	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7



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CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1
2.5°	20940.9	20951.4	20967.4	20982.0	21003.8	21021.1	21047.0	21066.6	21095.8	21114.9	21146.6
5°	20942.8	20983.7	21037.7	21090.2	21153.4	21210.7	21282.0	21342.8	21414.5	21473.0	21546.3
7.5°	20972.3	21051.4	21146.1	21241.5	21349.4	21450.3	21564.1	21667.0	21779.6	21874.8	21978.9
10°	20994.2	21116.0	21255.6	21396.1	21543.9	21681.1	21819.8	21939.7	22051.7	22143.8	22225.1
12.5°	20964.6	21132.4	21311.5	21484.5	21648.8	21791.0	21910.2	22002.4	22066.0	22109.1	22119.2
15°	20863.9	21065.9	21260.6	21432.8	21569.3	21674.5	21728.9	21754.3	21727.0	21681.5	21581.7
17.5°	20675.8	20888.8	21063.0	21198.8	21270.8	21299.4	21254.3	21175.9	21022.5	20852.3	20606.5
20°	20331.0	20529.5	20655.7	20729.9	20710.6	20639.2	20469.0	20262.0	19955.9	19629.7	19199.1
22.5°	19726.1	19899.7	19967.0	19972.5	19854.8	19676.3	19369.2	19014.2	18531.2	18029.1	17411.7
25°	18818.2	18970.2	18980.9	18921.1	18705.8	18416.5	17965.5	17463.3	16807.1	16138.0	15364.3
27.5°	17586.8	17732.7	17696.9	17585.5	17286.6	16899.5	16322.1	15673.3	14864.3	14074.2	13218.2
30°	16039.0	16194.9	16153.0	16010.1	15654.6	15197.0	14517.6	13763.8	12865.6	12021.6	11154.3
32.5°	14186.7	14383.8	14354.8	14219.0	13848.1	13358.3	12621.1	11821.6	10902.7	10071.0	9227.3
35°	12081.2	12320.5	12332.9	12244.1	11899.7	11415.7	10687.8	9913.9	9033.7	8249.0	7469.5
37.5°	9812.9	10090.3	10147.3	10123.4	9837.9	9410.6	8747.4	8053.2	7273.4	6585.7	5919.1
40°	7531.9	7812.7	7910.2	7939.2	7728.5	7397.5	6853.3	6293.0	5657.2	5099.9	4570.6
42.5°	5451.8	5700.8	5795.0	5854.2	5722.8	5502.0	5105.0	4698.1	4232.3	3830.4	3445.0
45°	3786.4	3962.5	4034.1	4093.7	4022.1	3897.7	3646.9	3392.4	3085.0	2822.4	2573.7
47.5°	2647.3	2744.4	2791.7	2820.6	2792.9	2728.0	2591.4	2444.1	2270.5	2117.0	1969.5
50°	1962.2	2014.0	2038.6	2055.3	2035.2	1999.0	1925.2	1844.9	1749.6	1662.7	1577.7
52.5°	1555.0	1584.6	1599.3	1608.4	1596.8	1574.7	1531.7	1484.1	1427.0	1373.2	1345.0
55°	1310.0	1308.5	1342.5	1326.1	1342.5	1305.8	1298.1	1245.8	1198.4	1164.9	1128.7
57.5°	1080.3	1095.7	1102.2	1109.6	1104.8	1098.1	1079.8	1061.2	1036.1	1015.2	992.9
60°	935.1	947.8	955.0	962.2	961.7	959.3	948.7	937.5	921.9	909.3	895.8
62.5°	835.1	846.1	853.2	860.1	860.8	859.7	851.7	844.0	833.3	825.4	816.1
65°	756.5	764.2	769.0	774.5	774.2	772.8	765.5	759.0	750.3	744.8	738.0
67.5°	674.1	679.9	683.7	688.9	690.0	690.2	686.2	683.3	679.0	677.4	675.0
70°	615.6	622.7	628.7	635.2	638.9	640.5	638.9	637.3	634.7	633.7	631.9
72.5°	571.3	577.3	581.9	587.9	591.2	593.7	592.3	591.5	589.3	589.0	587.8
75°	516.2	520.3	523.0	527.5	529.3	531.5	530.5	531.0	530.3	532.1	532.0
77.5°	450.1	453.1	454.3	457.5	457.9	460.6	461.3	464.4	466.7	471.7	474.3
80°	375.5	377.5	377.5	380.8	382.3	386.9	389.1	394.3	396.7	401.2	401.6
82.5°	291.7	289.5	291.7	290.4	294.6	299.8	300.5	304.9	305.9	308.7	306.5
85°	199.4	199.3	197.5	197.8	196.5	197.1	196.4	197.1	196.5	196.5	194.5
87.5°	95.6	96.5	94.3	95.0	93.0	93.9	92.1	93.5	91.5	91.7	88.6
90°	41.0	42.3	43.6	45.1	46.9	50.7	54.6	58.4	62.7	66.4	70.4
92.5°	49.5	51.7	53.6	55.7	57.7	63.7	69.7	75.7	81.9	87.8	93.9
95°	56.9	58.6	60.5	62.5	64.2	73.0	81.6	90.4	99.0	107.8	116.4
97.5°	64.1	65.3	66.4	67.6	68.8	79.0	89.3	99.5	109.8	120.0	130.3
100°	74.0	75.3	76.7	78.0	79.4	103.0	126.7	150.4	174.1	197.6	221.3
102.5°	123.5	131.7	140.0	148.3	156.6	213.9	271.3	328.7	385.9	443.4	500.7
105°	289.0	316.9	344.9	372.8	400.7	487.5	574.3	661.2	747.9	834.7	921.6
107.5°	591.2	640.3	689.6	738.7	787.8	869.5	951.1	1032.7	1114.4	1196.1	1277.6
110°	909.1	951.4	994.0	1036.4	1078.8	1143.7	1208.7	1273.4	1338.3	1403.2	1467.9



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CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	1093.9	1119.7	1145.6	1171.3	1197.2	1244.8	1292.7	1340.2	1387.9	1435.4	1483.0
115°	1140.5	1154.2	1168.0	1181.7	1195.5	1224.3	1253.2	1282.1	1310.9	1339.6	1368.5
117.5°	1105.8	1110.9	1115.9	1120.8	1125.8	1140.7	1155.7	1170.6	1185.6	1200.4	1215.4
120°	1023.1	1022.9	1022.7	1022.5	1022.3	1027.0	1032.0	1036.8	1041.6	1046.3	1051.0
122.5°	929.7	926.5	923.4	920.3	917.1	915.8	914.5	913.2	912.0	910.7	909.4
125°	841.0	837.8	834.6	831.4	828.1	824.3	820.6	816.8	813.0	809.1	805.3
127.5°	764.8	762.0	759.3	756.4	753.5	749.1	745.0	740.5	736.4	732.0	727.8
130°	701.1	699.1	697.3	695.1	693.2	689.4	685.8	682.2	678.5	674.8	671.1
132.5°	654.2	652.9	651.7	650.3	649.0	645.7	642.6	639.2	636.0	632.7	629.6
135°	617.4	616.8	616.3	615.5	614.8	612.4	610.1	607.7	605.4	603.0	600.7
137.5°	586.6	586.5	586.6	586.5	586.5	584.6	582.8	580.8	579.0	577.1	575.2
140°	566.1	566.1	566.3	566.2	566.2	564.1	562.1	560.0	557.9	555.8	553.8
142.5°	545.1	545.2	545.4	545.3	545.4	543.8	542.3	540.7	539.2	537.5	536.1
145°	529.2	529.5	529.9	530.1	530.6	528.6	526.7	524.6	522.9	520.9	519.0
147.5°	513.9	514.3	514.7	515.1	515.6	513.8	512.5	510.7	509.1	507.4	506.0
150°	502.1	502.2	502.4	502.4	502.4	500.7	499.0	497.2	495.6	493.8	492.1
152.5°	490.6	490.8	491.1	491.2	491.4	489.7	487.8	485.8	484.0	482.0	480.1
155°	480.3	480.3	480.4	480.4	480.4	478.7	476.9	474.9	473.2	471.4	469.6
157.5°	471.1	471.2	471.4	471.5	471.6	470.0	468.4	466.9	465.3	463.7	462.2
160°	464.0	464.2	464.4	464.5	464.6	463.2	462.2	460.6	459.4	457.9	456.5
162.5°	459.0	459.2	459.4	459.5	459.6	458.2	457.2	455.8	454.5	452.9	451.7
165°	452.8	452.7	452.6	452.5	452.4	451.6	450.8	449.9	449.0	447.9	447.0
167.5°	451.5	451.4	451.4	451.2	451.1	450.4	450.0	449.3	448.6	447.9	447.2
170°	449.4	449.3	449.3	449.1	449.0	448.3	447.7	447.1	446.6	445.8	445.1
172.5°	447.6	447.3	446.9	446.7	446.3	445.9	445.5	445.0	444.7	444.2	443.8
175°	446.3	446.1	445.7	445.4	445.0	444.9	444.6	444.5	444.3	444.0	443.8
177.5°	449.5	448.9	448.2	447.6	447.0	446.8	446.7	446.4	446.3	446.2	446.0
180°	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7



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CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1
2.5°	21166.3	21035.6	21018.3	21027.5	21049.3	21057.4	21081.0	21087.5	21111.1	21117.0	21139.8
5°	21603.1	21430.3	21438.9	21480.5	21543.3	21580.9	21642.6	21675.0	21734.0	21760.8	21814.1
7.5°	22063.5	21927.9	21970.2	22040.3	22126.2	22185.8	22260.1	22308.4	22372.5	22412.2	22463.4
10°	22289.7	22252.5	22299.1	22354.2	22403.3	22441.7	22473.2	22498.4	22514.9	22530.3	22537.1
12.5°	22117.7	22175.1	22183.1	22177.7	22145.3	22120.4	22064.6	22026.8	21959.5	21918.6	21838.6
15°	21479.7	21606.2	21536.2	21430.1	21274.9	21145.5	20962.8	20826.8	20636.5	20507.4	20316.5
17.5°	20360.2	20519.9	20337.4	20091.9	19779.7	19512.7	19180.2	18916.1	18585.5	18344.9	18036.4
20°	18784.2	18933.4	18607.9	18201.0	17718.1	17311.7	16832.4	16450.0	16004.7	15673.3	15273.5
22.5°	16821.9	16928.2	16469.6	15921.2	15305.9	14798.1	14225.1	13766.6	13258.3	12879.6	12453.2
25°	14651.0	14679.7	14129.5	13497.7	12812.0	12241.4	11629.5	11147.5	10629.1	10245.3	9826.9
27.5°	12459.9	12417.8	11823.1	11153.2	10431.9	9838.8	9242.1	8790.4	8336.4	7990.6	7630.1
30°	10391.7	10289.9	9672.4	8983.8	8283.7	7752.0	7256.7	6893.9	6532.8	6258.5	5969.1
32.5°	8495.2	8351.5	7750.5	7105.4	6515.4	6105.2	5737.8	5463.3	5171.7	4940.0	4697.2
35°	6815.4	6662.3	6129.9	5583.0	5136.4	4834.0	4545.3	4320.2	4072.5	3877.0	3666.2
37.5°	5373.8	5248.3	4802.3	4371.9	4034.1	3799.7	3563.2	3379.2	3174.5	3088.6	2863.2
40°	4148.6	4060.8	3712.1	3394.9	3141.2	3031.1	2791.0	2619.0	2466.1	2340.0	2217.9
42.5°	3235.9	3204.9	2865.5	2618.1	2439.5	2300.8	2166.9	2058.4	1952.6	1865.6	1783.5
45°	2374.7	2350.1	2199.4	2056.6	1934.9	1837.9	1747.6	1672.8	1603.7	1546.4	1494.2
47.5°	1849.1	1841.3	1754.5	1665.9	1589.3	1527.1	1468.3	1418.7	1372.8	1334.6	1322.1
50°	1504.0	1503.0	1452.1	1397.4	1342.8	1306.8	1269.3	1240.0	1210.6	1187.7	1163.4
52.5°	1277.9	1272.3	1238.0	1204.3	1171.9	1148.2	1124.2	1105.6	1086.0	1071.9	1056.7
55°	1100.2	1105.9	1086.1	1066.0	1045.6	1030.9	1014.2	1001.8	988.4	979.4	970.4
57.5°	976.7	984.3	973.9	962.5	950.2	940.5	928.9	920.4	911.5	905.8	900.5
60°	886.9	895.2	891.0	885.3	877.7	872.0	864.6	859.8	854.1	850.8	847.9
62.5°	810.7	821.2	819.7	817.0	812.0	808.9	804.9	802.7	798.9	797.5	796.1
65°	734.6	746.4	746.2	744.9	742.2	741.2	738.8	738.3	736.3	737.1	737.0
67.5°	674.8	685.1	687.4	689.0	688.9	689.6	689.3	690.3	690.3	691.8	692.7
70°	631.7	638.9	640.5	642.2	642.7	644.1	644.1	645.0	644.8	645.9	646.1
72.5°	588.1	597.4	599.2	600.6	600.6	601.9	601.2	601.0	599.1	598.7	597.4
75°	533.8	545.9	548.5	550.2	550.5	551.5	550.0	549.0	545.9	544.6	542.4
77.5°	477.1	489.7	491.5	492.1	491.1	491.3	487.9	485.5	481.6	479.9	477.9
80°	403.3	421.8	423.3	422.1	419.1	418.7	415.4	413.1	408.4	406.9	405.0
82.5°	306.9	328.5	331.5	332.9	330.5	331.1	327.9	326.6	322.3	321.5	318.7
85°	193.8	215.4	218.9	218.5	216.1	215.5	213.6	214.3	213.9	215.0	215.7
87.5°	89.0	109.9	115.0	113.4	113.2	111.7	108.3	109.5	111.6	112.9	113.0
90°	74.4	84.6	88.4	85.6	80.5	77.4	72.7	69.8	65.5	62.7	58.2
92.5°	99.9	106.0	112.0	106.6	101.3	95.9	90.6	85.1	79.9	74.4	69.2
95°	125.1	133.6	142.3	135.2	128.0	120.8	113.6	106.6	99.4	92.2	85.2
97.5°	140.5	150.7	160.8	153.6	146.6	139.3	132.1	125.0	117.9	110.6	103.5
100°	245.0	268.3	291.9	271.6	251.2	230.9	210.6	190.2	169.8	149.6	129.2
102.5°	557.9	615.1	672.3	620.8	569.3	518.1	466.7	415.2	363.8	312.4	261.0
105°	1008.2	1094.7	1181.4	1102.8	1024.3	945.9	867.5	789.0	710.6	632.1	553.7
107.5°	1359.1	1440.2	1521.6	1450.7	1379.8	1309.0	1238.0	1167.1	1096.1	1025.3	954.4
110°	1532.7	1596.9	1661.5	1613.9	1566.3	1518.7	1471.2	1423.7	1376.2	1328.7	1281.3



TEST NUMBER: P1444591
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CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	1530.5	1577.2	1624.5	1596.6	1569.0	1541.2	1513.6	1485.7	1458.2	1430.4	1402.9
115°	1397.1	1424.9	1453.3	1442.3	1431.5	1420.7	1409.8	1399.1	1388.2	1377.4	1366.7
117.5°	1230.2	1243.8	1258.2	1256.3	1254.7	1252.7	1251.0	1249.2	1247.6	1245.8	1244.3
120°	1055.9	1059.2	1063.5	1065.2	1067.0	1068.5	1070.3	1072.1	1073.8	1075.5	1077.4
122.5°	908.0	905.1	903.3	904.9	906.5	908.0	909.7	911.4	913.1	914.7	916.5
125°	801.4	795.9	791.5	789.9	788.5	786.9	785.3	783.7	782.3	780.8	779.3
127.5°	723.4	717.3	712.4	708.4	704.3	700.3	696.1	691.9	688.0	683.9	680.0
130°	667.6	661.9	657.6	652.3	647.2	641.9	636.8	631.5	626.3	621.1	616.0
132.5°	626.2	620.9	617.2	612.2	607.3	602.1	597.3	592.2	587.3	582.1	577.3
135°	598.3	593.7	590.8	586.2	582.0	577.4	572.9	568.3	563.8	559.2	554.9
137.5°	573.3	569.0	566.6	562.9	559.6	556.0	552.5	548.8	545.4	541.5	538.2
140°	551.6	547.0	544.5	542.5	540.8	538.7	536.9	534.9	533.1	531.1	529.2
142.5°	534.6	530.2	528.2	527.0	525.9	524.8	523.8	522.6	521.4	520.1	518.9
145°	517.2	512.3	509.7	509.7	509.9	510.0	510.0	510.1	510.1	510.1	510.1
147.5°	504.2	499.4	497.0	497.4	497.9	498.2	498.8	499.0	499.5	499.8	500.3
150°	490.3	484.8	482.0	482.7	483.4	484.1	484.9	485.5	486.3	487.0	487.7
152.5°	478.2	471.6	468.5	469.2	470.1	470.8	471.6	472.4	473.3	474.1	474.9
155°	467.5	460.5	457.3	457.5	457.8	458.2	458.5	459.0	459.4	459.9	460.4
157.5°	460.4	453.2	450.2	450.1	450.3	450.4	450.6	450.9	451.1	451.3	451.7
160°	455.1	448.1	445.2	445.1	445.3	445.4	445.4	445.6	445.8	446.0	446.3
162.5°	450.2	443.3	440.5	440.4	440.4	440.5	440.6	440.6	440.7	440.9	441.2
165°	446.1	440.2	437.8	438.0	438.2	438.5	438.7	439.1	439.4	439.8	440.2
167.5°	446.4	441.2	439.5	439.2	439.0	438.7	438.7	438.4	438.4	438.3	438.3
170°	444.4	440.3	438.5	438.6	438.8	438.9	438.9	439.1	439.2	439.3	439.5
172.5°	443.2	440.3	439.0	439.5	439.9	440.3	440.7	441.0	441.4	441.9	442.3
175°	443.6	441.7	441.2	441.2	441.5	441.7	441.9	442.2	442.4	442.6	443.1
177.5°	445.8	445.2	444.8	444.8	444.8	444.8	444.8	444.8	444.8	444.9	444.9
180°	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7



TEST NUMBER: P1444591
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1
2.5°	21144.0	21168.7	21166.8	21189.8	21188.7	21210.3	21206.0	21224.8	21220.5	21236.5	21227.1
5°	21837.6	21884.5	21900.0	21942.3	21951.1	21988.9	21989.7	22019.8	22016.2	22039.7	22027.2
7.5°	22493.7	22537.5	22558.2	22591.1	22607.5	22634.7	22645.4	22667.8	22673.1	22686.4	22686.0
10°	22549.1	22548.9	22559.2	22554.6	22563.8	22558.5	22569.7	22565.7	22582.2	22578.0	22590.4
12.5°	21804.0	21730.1	21703.1	21636.7	21622.2	21565.1	21569.3	21532.7	21550.3	21527.8	21566.1
15°	20202.8	20031.3	19946.5	19797.4	19750.6	19632.7	19623.2	19544.9	19566.0	19525.0	19585.0
17.5°	17836.7	17566.7	17418.4	17200.7	17114.2	16947.4	16914.0	16813.3	16828.9	16778.1	16850.4
20°	15015.6	14689.3	14502.4	14250.5	14138.1	13939.4	13886.7	13773.9	13788.0	13737.6	13819.4
22.5°	12162.3	11820.7	11609.7	11345.7	11202.3	11015.4	10959.3	10846.0	10852.4	10805.1	10883.7
25°	9540.3	9212.8	9008.0	8768.1	8643.7	8472.3	8413.4	8311.6	8317.4	8278.3	8348.9
27.5°	7380.1	7111.4	6940.0	6739.0	6627.4	6486.6	6429.1	6343.6	6343.3	6314.6	6373.6
30°	5767.2	5542.9	5389.0	5214.0	5109.2	4982.0	4926.5	4850.0	4846.7	4826.3	4873.2
32.5°	4515.5	4316.1	4175.8	4021.7	3927.6	3818.5	3766.0	3704.5	3698.9	3680.4	3718.9
35°	3510.3	3342.3	3221.6	3091.9	3101.4	2940.5	2967.3	2842.2	2808.3	2801.0	2829.6
37.5°	2713.1	2582.9	2484.9	2387.7	2322.0	2253.9	2217.3	2184.4	2180.7	2177.5	2197.6
40°	2123.6	2032.5	1961.2	1894.6	1849.3	1807.8	1784.9	1766.8	1762.5	1760.1	1772.2
42.5°	1718.7	1657.3	1611.3	1570.7	1543.2	1520.6	1508.0	1498.0	1494.6	1494.6	1501.8
45°	1452.1	1414.8	1385.2	1360.0	1342.4	1350.0	1327.4	1339.2	1323.5	1339.8	1329.0
47.5°	1278.7	1247.0	1228.6	1210.8	1200.1	1191.6	1191.9	1192.1	1195.4	1195.9	1199.5
50°	1145.0	1126.7	1113.9	1102.5	1097.0	1092.5	1094.0	1095.1	1098.5	1098.7	1101.2
52.5°	1046.0	1033.9	1026.3	1019.2	1016.8	1014.2	1015.3	1014.8	1016.3	1015.5	1017.5
55°	965.5	959.8	957.4	954.8	955.2	954.5	954.9	952.3	950.7	948.9	950.6
57.5°	899.4	898.6	900.3	901.3	904.4	905.5	906.2	903.2	900.4	897.8	899.3
60°	848.5	849.7	853.7	857.0	861.4	863.4	864.6	862.9	860.9	858.8	860.1
62.5°	798.2	800.2	805.0	808.6	813.9	816.7	819.7	819.8	820.6	819.8	820.7
65°	740.0	742.3	746.6	749.7	754.6	757.0	760.1	760.7	762.3	762.0	763.4
67.5°	695.6	697.8	701.4	704.3	708.6	711.2	713.8	714.0	714.6	714.5	715.9
70°	648.3	649.4	652.6	655.1	659.4	662.0	665.1	666.1	667.9	668.3	669.8
72.5°	597.9	597.4	599.4	600.5	603.8	605.8	609.8	612.0	615.2	616.1	617.3
75°	543.0	542.6	544.9	545.9	548.6	550.7	555.1	557.9	563.0	565.1	564.6
77.5°	479.5	480.6	485.0	487.4	491.1	493.7	499.4	504.0	513.2	517.3	513.1
80°	408.4	409.6	414.1	416.4	421.3	424.3	430.8	436.2	444.5	446.3	444.0
82.5°	321.1	321.4	325.5	327.2	333.6	338.2	346.4	350.6	355.7	355.0	354.3
85°	218.9	221.9	227.0	232.0	239.8	247.2	255.0	261.3	256.9	263.9	256.0
87.5°	117.0	116.7	123.6	122.5	133.4	139.7	146.4	149.5	153.1	152.4	152.4
90°	55.7	52.9	51.9	48.9	48.3	45.3	45.3	42.3	42.7	39.4	44.2
92.5°	63.7	60.8	57.9	55.0	52.1	49.2	46.3	43.3	40.5	37.5	40.5
95°	78.0	75.3	72.6	69.8	67.2	64.4	61.8	59.1	56.4	53.7	57.1
97.5°	96.4	94.8	93.2	91.6	90.1	88.6	87.0	85.5	83.9	82.3	84.6
100°	108.8	108.8	108.8	108.8	108.7	108.7	108.7	108.7	108.7	108.7	110.5
102.5°	209.5	204.4	199.3	194.1	189.0	183.9	178.8	173.6	168.5	163.4	170.9
105°	475.2	455.1	435.0	414.8	394.8	374.6	354.6	334.5	314.4	294.3	315.0
107.5°	883.7	846.9	810.3	773.6	736.9	700.4	663.7	627.1	590.5	553.9	586.7
110°	1233.7	1194.9	1155.9	1117.1	1078.1	1039.3	1000.4	961.6	922.7	883.9	915.1



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	1375.2	1349.9	1324.9	1299.8	1274.7	1249.7	1224.7	1199.7	1174.7	1149.7	1164.9
115°	1355.9	1344.1	1332.1	1320.2	1308.2	1296.3	1284.3	1272.5	1260.7	1248.9	1249.8
117.5°	1242.6	1238.6	1234.6	1230.6	1226.7	1222.8	1218.9	1215.1	1211.3	1207.5	1199.1
120°	1079.3	1080.6	1081.9	1083.3	1084.7	1086.1	1087.4	1089.0	1090.5	1092.1	1080.7
122.5°	918.2	921.3	924.2	927.4	930.5	933.8	936.9	940.2	943.6	946.9	935.5
125°	777.9	780.8	783.8	786.8	789.8	793.0	796.1	799.5	802.7	806.2	796.5
127.5°	676.0	677.2	678.2	679.4	680.6	681.9	683.4	684.8	686.4	688.1	682.1
130°	610.8	609.9	608.9	608.1	607.1	606.6	606.0	605.4	604.8	604.5	601.7
132.5°	572.3	570.0	567.7	565.3	563.1	561.2	559.1	557.2	555.4	553.7	552.9
135°	550.2	547.0	543.8	540.6	537.5	534.7	531.7	529.0	526.2	523.7	524.0
137.5°	534.6	531.4	528.1	524.9	521.9	519.0	516.1	513.2	510.6	508.0	508.9
140°	527.2	523.9	520.7	517.7	514.7	511.7	508.8	506.2	503.2	500.9	501.5
142.5°	517.8	515.0	512.0	509.2	506.4	503.7	501.2	498.7	496.1	493.8	494.5
145°	510.2	508.0	505.9	503.7	501.7	499.9	497.8	496.1	494.3	492.7	493.0
147.5°	500.6	499.0	497.3	495.9	494.1	492.8	491.3	490.1	488.8	487.5	487.6
150°	488.4	487.4	486.3	485.3	484.4	483.4	482.4	481.6	480.7	479.9	479.8
152.5°	475.7	474.8	473.8	472.9	472.0	471.1	470.2	469.5	468.7	468.0	467.9
155°	460.9	460.4	460.0	459.6	459.2	458.9	458.5	458.3	458.0	457.7	457.8
157.5°	451.8	451.8	451.6	451.6	451.5	451.4	451.2	451.4	451.1	451.3	451.4
160°	446.7	446.3	446.1	445.8	445.6	445.2	445.1	444.8	444.7	444.4	444.8
162.5°	441.4	441.6	441.7	441.9	442.1	442.3	442.5	442.8	443.0	443.3	443.5
165°	440.7	440.6	440.5	440.3	440.3	440.3	440.2	440.2	440.2	440.3	440.7
167.5°	438.2	438.5	438.6	439.0	439.2	439.6	439.9	440.4	440.7	441.2	441.6
170°	439.6	439.6	439.6	439.6	439.6	439.7	439.8	439.9	440.0	440.2	440.5
172.5°	442.7	442.7	442.6	442.7	442.6	442.7	442.7	442.8	442.8	442.9	443.1
175°	443.1	443.5	443.7	444.0	444.2	444.4	444.6	444.9	445.1	445.3	445.3
177.5°	444.9	445.0	445.0	445.0	445.0	445.1	445.1	445.1	445.1	445.0	445.2
180°	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7



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CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1
2.5°	21242.8	21232.0	21243.0	21231.9	21243.0	21229.8	21238.7	21224.4	21228.0	21213.2	21217.0
5°	22046.0	22029.0	22038.0	22016.0	22018.4	21988.9	21988.4	21954.2	21945.2	21906.2	21889.1
7.5°	22695.4	22689.9	22693.0	22678.8	22677.3	22657.1	22647.6	22619.3	22601.5	22565.7	22541.1
10°	22592.6	22609.2	22613.4	22630.3	22633.9	22650.6	22654.1	22670.8	22674.2	22686.6	22686.8
12.5°	21564.4	21620.5	21634.0	21703.4	21732.6	21812.1	21854.7	21942.3	21994.3	22081.6	22135.3
15°	19583.3	19680.5	19719.3	19855.0	19930.0	20088.3	20187.8	20369.5	20497.8	20690.9	20828.6
17.5°	16856.8	16992.7	17054.1	17238.0	17357.9	17591.6	17760.0	18037.2	18249.5	18557.5	18801.6
20°	13833.3	13984.4	14067.7	14277.5	14419.1	14692.0	14902.3	15242.9	15527.0	15917.3	16251.1
22.5°	10908.4	11052.1	11144.5	11358.0	11517.4	11802.2	12037.1	12396.6	12714.9	13154.8	13555.0
25°	8375.6	8507.3	8590.9	8783.9	8933.6	9195.3	9419.7	9765.4	10076.8	10518.0	10928.4
27.5°	6403.0	6513.4	6593.9	6758.5	6890.6	7112.5	7305.2	7590.9	7859.3	8241.0	8606.4
30°	4902.1	4999.9	5078.3	5221.6	5344.0	5536.3	5705.9	5945.9	6167.9	6471.6	6762.4
32.5°	3746.0	3830.2	3900.0	4025.5	4136.6	4309.7	4462.5	4672.9	4863.5	5121.1	5360.3
35°	2856.2	3021.9	3010.1	3183.2	3211.1	3335.3	3471.6	3655.5	3824.4	4043.4	4247.0
37.5°	2216.9	2263.5	2313.4	2389.9	2470.2	2583.4	2698.5	2923.3	3005.7	3171.2	3339.7
40°	1787.6	1819.2	1852.1	1903.9	1960.1	2039.8	2123.6	2230.9	2340.8	2474.9	2612.0
42.5°	1511.3	1529.1	1550.1	1580.5	1615.2	1665.7	1721.8	1794.5	1870.9	1965.4	2061.8
45°	1350.2	1341.8	1348.1	1364.4	1385.3	1416.0	1451.4	1496.4	1546.1	1607.3	1672.5
47.5°	1200.1	1203.6	1205.5	1214.3	1225.5	1246.1	1267.5	1298.1	1357.1	1375.1	1410.7
50°	1101.0	1102.6	1102.1	1106.6	1112.2	1125.7	1139.5	1160.3	1180.9	1208.3	1234.4
52.5°	1017.9	1020.2	1019.9	1022.8	1025.9	1034.3	1043.2	1057.8	1071.3	1088.8	1103.7
55°	952.2	955.5	956.7	959.2	960.7	965.1	968.6	975.6	981.3	991.2	1000.4
57.5°	901.8	906.2	908.2	909.0	907.2	907.0	905.9	907.3	908.5	913.8	918.9
60°	862.0	865.6	866.1	865.6	862.3	860.0	856.3	855.1	854.5	857.0	859.8
62.5°	820.5	821.7	820.9	819.8	816.1	813.8	810.0	808.6	807.2	809.0	810.5
65°	762.9	764.0	762.9	762.3	759.0	757.1	753.9	752.8	751.0	751.4	751.1
67.5°	716.2	717.3	716.5	715.6	713.2	712.2	709.7	708.2	706.0	705.1	703.5
70°	669.6	670.5	669.1	668.3	665.7	664.6	662.4	662.0	660.1	659.8	657.9
72.5°	616.1	616.1	614.2	613.7	611.8	611.7	610.8	611.7	611.6	612.5	612.1
75°	561.3	560.5	558.1	557.7	556.3	557.0	556.0	557.2	557.4	559.4	559.7
77.5°	506.4	503.4	499.0	496.9	494.0	493.6	491.9	493.0	492.6	495.0	496.0
80°	437.0	433.5	427.8	425.1	421.6	421.0	419.5	421.0	420.2	423.0	424.9
82.5°	348.9	345.9	340.0	337.8	333.7	334.1	332.4	334.1	333.9	337.9	340.3
85°	258.0	256.1	250.0	244.6	238.6	235.2	231.7	231.1	230.0	231.7	233.1
87.5°	149.0	147.1	142.4	139.4	128.9	129.3	125.1	124.9	124.0	123.0	125.1
90°	44.9	49.1	50.1	54.0	55.3	59.7	61.1	65.4	66.9	71.5	73.5
92.5°	43.3	46.3	49.1	52.1	54.9	57.9	60.7	63.7	69.9	75.9	82.4
95°	60.4	63.7	67.1	70.5	73.9	77.2	80.5	83.9	93.0	102.2	111.4
97.5°	86.7	89.0	91.3	93.4	95.7	97.9	100.1	102.4	112.2	122.0	131.8
100°	112.3	114.0	115.8	117.7	119.4	121.2	123.0	124.7	143.8	162.8	181.8
102.5°	178.5	186.1	193.7	201.3	208.8	216.5	224.1	231.6	275.2	318.7	362.4
105°	335.8	356.6	377.4	398.1	418.9	439.7	460.6	481.3	551.1	620.7	690.5
107.5°	619.5	652.3	685.1	718.1	751.0	783.9	816.7	849.6	917.5	985.5	1053.5
110°	946.3	977.8	1009.0	1040.3	1071.6	1103.0	1134.2	1165.7	1206.4	1247.1	1288.0



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CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	1180.0	1195.2	1210.5	1225.8	1241.0	1256.3	1271.6	1287.0	1307.3	1327.5	1347.9
115°	1250.7	1251.6	1252.6	1253.6	1254.7	1255.5	1256.8	1257.8	1264.1	1270.5	1276.8
117.5°	1190.6	1182.3	1173.9	1165.5	1157.2	1149.1	1140.7	1132.7	1131.2	1129.7	1128.3
120°	1069.6	1058.3	1047.0	1035.8	1024.7	1013.5	1002.5	991.5	985.7	980.0	974.2
122.5°	924.3	913.1	901.9	890.7	879.7	868.6	857.7	846.8	842.7	838.6	834.4
125°	787.2	777.8	768.4	759.2	750.0	740.8	731.9	722.8	722.4	721.7	721.4
127.5°	676.2	670.5	664.8	659.1	653.6	648.1	642.6	637.2	639.4	641.3	643.5
130°	599.1	596.4	594.1	591.4	589.3	586.9	584.7	582.4	586.3	590.2	594.0
132.5°	552.4	551.8	551.5	550.9	550.7	550.4	550.3	550.0	554.6	559.0	563.6
135°	524.5	525.1	525.9	526.5	527.4	528.3	529.3	530.0	534.5	538.7	543.1
137.5°	510.0	510.9	512.0	513.1	514.5	515.7	517.2	518.4	521.8	525.2	528.6
140°	502.2	502.9	503.8	504.8	505.8	506.8	507.9	509.0	511.8	514.3	517.0
142.5°	495.3	496.0	496.7	497.7	498.7	499.6	500.7	501.6	503.6	505.4	507.4
145°	493.6	494.0	494.7	495.3	496.0	496.6	497.4	498.1	499.4	500.5	501.6
147.5°	487.9	488.2	488.6	488.9	489.4	489.8	490.2	490.5	491.3	491.9	492.6
150°	479.9	479.8	480.0	480.0	480.3	480.4	480.6	480.8	481.4	481.9	482.7
152.5°	468.0	468.0	468.1	468.0	468.2	468.3	468.3	468.4	469.0	469.6	470.2
155°	458.0	458.3	458.6	458.9	459.3	459.4	459.8	460.1	460.5	460.8	461.2
157.5°	451.7	451.8	452.2	452.3	452.7	453.0	453.3	453.5	453.9	454.2	454.5
160°	445.3	445.9	446.2	446.7	447.3	447.8	448.3	448.8	449.1	449.4	449.7
162.5°	443.9	444.2	444.5	444.7	445.0	445.4	445.6	445.9	446.4	446.8	447.5
165°	441.2	441.7	442.3	442.7	443.3	443.9	444.3	444.8	445.1	445.4	445.6
167.5°	442.2	442.5	443.1	443.7	444.2	444.6	445.2	445.7	446.0	446.1	446.4
170°	440.9	441.4	441.8	442.3	442.8	443.1	443.7	444.1	444.6	445.0	445.6
172.5°	443.5	443.9	444.3	444.6	445.0	445.4	445.9	446.2	446.5	446.9	447.3
175°	445.3	445.3	445.4	445.5	445.6	445.6	445.6	445.8	445.9	446.0	446.0
177.5°	445.4	445.7	445.9	446.1	446.2	446.5	446.7	446.9	446.9	446.9	446.9
180°	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7



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CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1
2.5°	21202.2	21203.1	21186.0	21185.0	21169.0	21167.0	21151.4	21146.6	21133.9	21129.4	21116.4
5°	21845.4	21824.6	21776.4	21748.1	21700.6	21669.1	21617.6	21584.0	21534.3	21496.9	21446.9
7.5°	22495.9	22463.6	22409.6	22365.8	22299.8	22247.1	22169.8	22106.6	22022.9	21950.5	21862.7
10°	22686.8	22681.8	22668.0	22648.0	22617.3	22582.8	22530.2	22475.4	22402.0	22322.5	22224.7
12.5°	22217.3	22268.0	22337.1	22378.1	22428.0	22449.8	22470.2	22465.1	22451.6	22411.4	22354.9
15°	21028.0	21170.5	21359.2	21505.3	21673.5	21795.7	21930.7	22014.8	22098.7	22137.4	22161.2
17.5°	19136.2	19405.9	19744.2	20024.4	20347.9	20607.6	20892.4	21106.7	21327.1	21485.1	21627.9
20°	16706.1	17096.9	17575.3	17997.9	18489.3	18916.3	19384.3	19768.5	20164.6	20474.3	20767.5
22.5°	14070.4	14534.5	15112.7	15648.5	16282.0	16851.3	17493.6	18052.7	18636.4	19124.1	19595.6
25°	11478.4	11987.4	12619.8	13217.5	13935.0	14597.1	15359.0	16055.7	16810.1	17465.2	18112.2
27.5°	9111.7	9611.4	10257.1	10893.3	11651.9	12357.6	13173.7	13941.4	14800.5	15592.6	16403.0
30°	7166.4	7590.3	8169.1	8785.4	9533.7	10251.7	11076.8	11866.3	12759.9	13624.9	14537.6
32.5°	5677.8	6000.6	6455.7	6976.8	7667.3	8350.7	9136.4	9898.5	10778.5	11652.3	12601.7
35°	4509.1	4761.0	5108.0	5514.7	6099.3	6688.5	7383.4	8076.5	8897.6	9726.6	10649.4
37.5°	3555.7	3760.1	4031.9	4337.3	4806.3	5289.8	5859.6	6434.2	7147.5	7882.5	8718.8
40°	2776.6	2942.1	3153.6	3381.5	3735.6	4108.2	4548.8	4994.4	5567.6	6168.2	6860.3
42.5°	2181.2	2303.3	2452.7	2619.2	2949.6	3147.4	3446.2	3768.5	4189.9	4625.9	5146.3
45°	1751.7	1835.0	1938.6	2050.3	2203.6	2371.4	2576.1	2790.7	3190.9	3387.3	3703.8
47.5°	1462.9	1518.8	1584.7	1655.0	1745.5	1843.0	1964.5	2088.5	2249.0	2415.3	2610.4
50°	1268.3	1325.2	1347.8	1384.2	1436.6	1492.4	1560.7	1629.2	1715.3	1802.5	1902.9
52.5°	1123.9	1142.5	1167.1	1190.2	1222.7	1286.1	1306.6	1342.5	1390.7	1438.0	1490.6
55°	1013.7	1025.7	1041.8	1055.8	1075.3	1094.1	1121.2	1144.9	1177.2	1205.6	1240.6
57.5°	927.9	935.5	946.6	955.9	968.5	979.1	994.9	1007.8	1026.4	1042.5	1063.7
60°	865.5	870.6	878.1	884.1	892.2	897.7	905.6	911.6	921.4	929.5	941.4
62.5°	814.6	817.2	822.1	825.6	830.7	833.6	837.7	840.3	845.7	849.9	856.4
65°	753.4	754.1	757.3	758.8	762.8	764.3	767.7	769.0	773.4	776.5	782.3
67.5°	703.4	701.9	702.0	700.9	701.4	700.3	700.6	699.3	701.2	702.0	706.5
70°	657.6	655.7	655.1	653.0	652.3	650.2	649.6	647.6	647.4	646.7	648.3
72.5°	613.1	612.5	612.7	611.3	611.1	609.6	609.7	608.7	609.8	610.2	612.3
75°	561.9	562.1	563.0	561.7	562.1	560.9	561.3	560.2	560.8	560.5	562.6
77.5°	499.5	501.0	503.7	503.1	504.0	502.6	503.2	501.6	502.0	501.0	501.7
80°	429.4	432.5	436.1	435.9	437.5	436.5	437.9	436.3	437.0	435.1	434.7
82.5°	346.1	348.7	352.6	352.7	356.2	356.9	360.6	360.5	362.9	361.3	360.2
85°	236.6	238.4	241.8	243.7	247.1	249.4	253.0	254.5	251.9	256.7	252.8
87.5°	123.6	128.2	125.5	131.5	130.2	136.2	134.9	140.5	139.4	144.2	143.6
90°	78.9	81.2	86.8	89.4	95.7	98.7	99.0	95.5	95.7	92.2	92.3
92.5°	88.4	94.9	101.1	107.4	113.6	119.9	114.0	108.2	102.5	96.8	90.9
95°	120.5	129.7	138.8	148.0	157.2	166.3	156.5	146.8	136.9	127.1	117.3
97.5°	141.6	151.5	161.3	171.1	181.0	190.9	179.3	167.7	156.1	144.6	132.9
100°	200.8	219.8	238.8	257.8	276.9	295.9	274.4	252.6	231.0	209.3	187.7
102.5°	406.1	449.6	493.2	536.8	580.3	623.9	578.1	532.3	486.2	440.3	394.3
105°	760.2	829.9	899.7	969.4	1039.2	1109.0	1034.5	960.1	885.5	811.2	736.6
107.5°	1121.6	1189.3	1257.5	1325.4	1393.5	1461.5	1386.1	1310.5	1235.0	1159.4	1083.8
110°	1328.8	1369.6	1410.5	1451.4	1492.1	1533.0	1477.8	1422.7	1367.5	1312.2	1257.1



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CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	1368.2	1388.6	1408.9	1429.4	1449.6	1470.2	1430.6	1391.2	1351.6	1312.2	1272.5
115°	1283.2	1289.5	1296.0	1302.4	1308.8	1315.2	1288.5	1261.7	1235.0	1208.4	1181.5
117.5°	1127.0	1125.7	1124.2	1123.0	1121.6	1120.3	1105.3	1090.1	1075.2	1060.1	1044.9
120°	968.4	962.8	957.0	951.3	945.6	939.7	933.4	926.9	920.3	913.7	907.1
122.5°	830.3	826.4	822.3	818.1	814.0	809.8	807.1	804.6	801.8	799.2	796.3
125°	720.9	720.4	719.9	719.5	718.9	718.4	716.9	715.4	713.8	712.4	710.8
127.5°	645.5	647.5	649.5	651.5	653.4	655.5	654.9	654.3	653.7	653.1	652.4
130°	597.8	601.7	605.6	609.2	612.9	616.9	615.7	614.8	613.7	612.7	611.8
132.5°	568.1	572.6	577.1	581.7	585.9	590.4	589.2	588.1	586.7	585.6	584.4
135°	547.2	551.5	555.7	560.0	564.1	568.2	566.8	565.4	563.9	562.6	561.1
137.5°	531.8	535.3	538.5	541.8	545.1	548.3	546.8	545.4	543.9	542.5	541.0
140°	519.5	522.1	524.6	527.3	529.7	532.3	530.5	528.9	527.1	525.3	523.6
142.5°	509.2	511.2	512.8	514.8	516.5	518.4	516.1	513.8	511.6	509.4	507.2
145°	502.7	504.0	505.0	506.1	507.1	508.2	505.6	503.2	500.5	498.1	495.5
147.5°	493.2	493.9	494.3	495.1	495.5	496.1	493.7	491.3	488.9	486.5	484.1
150°	483.1	483.8	484.2	484.8	485.2	485.8	483.3	480.8	478.3	475.8	473.5
152.5°	470.7	471.3	471.7	472.2	472.7	473.2	470.7	468.6	466.2	463.8	461.6
155°	461.3	461.7	461.9	462.2	462.3	462.5	460.5	458.7	456.8	454.8	452.8
157.5°	454.7	455.0	455.3	455.4	455.6	455.8	454.3	452.9	451.4	449.9	448.4
160°	449.9	450.2	450.4	450.6	450.8	450.9	449.6	448.5	447.2	446.0	444.6
162.5°	447.8	448.3	448.7	449.2	449.6	450.0	448.4	447.0	445.6	444.0	442.5
165°	445.9	446.1	446.2	446.5	446.5	446.8	445.9	444.8	443.7	442.8	441.6
167.5°	446.5	446.8	447.0	447.2	447.3	447.5	446.5	445.6	444.5	443.4	442.3
170°	445.9	446.2	446.6	447.0	447.3	447.6	446.8	446.1	445.2	444.4	443.4
172.5°	447.7	448.0	448.2	448.7	448.9	449.3	448.4	447.5	446.7	445.9	444.9
175°	446.0	446.1	446.2	446.2	446.2	446.3	445.7	445.0	444.4	443.7	443.0
177.5°	446.9	446.9	446.9	446.8	446.8	446.8	446.3	446.0	445.5	445.1	444.5
180°	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7



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CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1	20980.1
2.5°	21111.9	21102.7	21096.8	21089.2	21084.6	21078.8	21074.6	21070.9	21067.9	21065.3	21063.2
5°	21408.8	21361.5	21324.9	21285.3	21252.7	21220.2	21195.1	21174.4	21160.0	21149.3	21143.0
7.5°	21786.7	21700.3	21623.5	21542.6	21470.2	21398.8	21337.4	21284.5	21244.7	21219.0	21203.4
10°	22124.3	22008.6	21894.2	21773.9	21659.7	21549.0	21446.9	21357.0	21285.8	21238.5	21210.9
12.5°	22275.5	22177.0	22060.2	21929.6	21789.7	21648.1	21510.2	21385.8	21281.4	21211.3	21170.9
15°	22142.2	22101.9	22022.6	21921.1	21788.4	21642.1	21480.1	21327.9	21187.8	21097.0	21044.3
17.5°	21708.7	21765.2	21759.1	21720.3	21625.0	21501.8	21336.8	21165.7	20990.6	20869.2	20802.9
20°	20977.2	21154.7	21244.7	21291.0	21253.5	21173.6	21024.2	20850.6	20646.4	20488.0	20391.2
22.5°	19949.3	20262.5	20457.8	20600.6	20631.0	20603.8	20471.8	20306.7	20079.1	19888.6	19745.8
25°	18625.9	19084.9	19393.4	19635.4	19729.3	19753.5	19641.2	19477.1	19223.4	19001.5	18805.2
27.5°	17067.2	17663.5	18075.5	18400.5	18547.2	18610.8	18507.5	18340.0	18039.8	17774.9	17518.6
30°	15312.3	16019.9	16515.8	16905.6	17084.4	17168.5	17058.6	16871.7	16522.5	16203.7	15880.9
32.5°	13434.0	14208.4	14748.8	15172.1	15349.3	15428.4	15284.7	15074.7	14671.0	14295.5	13919.0
35°	11467.6	12249.1	12794.2	13206.0	13354.6	13402.3	13218.6	12975.9	12528.7	12116.5	11706.0
37.5°	9461.0	10188.1	10683.5	11053.2	11145.1	11153.4	10932.1	10664.0	10194.0	9787.5	9378.9
40°	7471.8	8085.0	8485.0	8780.9	8812.8	8784.3	8543.8	8274.0	7834.3	7470.1	7111.4
42.5°	5598.1	6061.0	6346.3	6549.1	6537.1	6480.9	6260.3	6028.4	5665.6	5388.3	5105.9
45°	3992.9	4298.1	4464.9	4583.6	4545.5	4491.9	4320.2	4157.7	3911.1	3732.0	3542.3
47.5°	2773.9	3138.4	3074.9	3306.9	3107.0	3239.1	2964.1	2812.6	2681.7	2586.5	2479.3
50°	1985.9	2069.4	2109.7	2137.2	2122.6	2102.4	2053.0	2008.8	1949.0	1905.4	1854.6
52.5°	1533.6	1575.4	1598.3	1614.8	1611.5	1604.2	1582.6	1562.9	1534.9	1516.5	1494.2
55°	1299.1	1299.7	1341.7	1323.7	1350.3	1319.1	1331.4	1296.8	1302.4	1272.6	1252.7
57.5°	1079.4	1096.6	1104.3	1111.7	1109.7	1108.3	1100.0	1095.8	1086.4	1083.6	1076.9
60°	949.6	958.5	960.4	963.8	960.9	959.8	953.3	950.9	944.7	943.5	939.1
62.5°	860.5	865.0	865.0	865.0	861.3	857.7	850.5	846.6	841.3	840.1	837.6
65°	786.1	790.8	791.6	792.6	789.9	787.1	780.7	776.6	771.1	769.0	766.1
67.5°	709.4	714.4	716.1	718.7	717.2	716.6	712.3	710.6	706.9	706.1	703.4
70°	649.1	651.2	651.1	651.0	647.5	644.5	639.5	637.0	633.3	632.5	629.9
72.5°	613.2	614.7	613.8	612.5	608.0	603.5	597.6	593.3	588.3	585.1	581.7
75°	562.7	564.7	563.5	562.6	558.6	555.7	551.0	548.6	545.1	544.1	541.6
77.5°	500.9	501.7	499.7	499.5	496.4	494.6	491.0	490.4	487.8	487.9	485.5
80°	431.8	431.3	428.1	427.4	424.3	423.6	420.8	421.0	418.9	419.8	418.2
82.5°	355.3	353.4	349.1	347.9	344.4	344.1	342.2	343.8	342.5	344.4	343.3
85°	254.6	255.2	253.3	253.3	252.3	252.6	252.4	253.6	253.8	255.5	255.4
87.5°	141.9	144.0	143.6	145.5	145.4	147.5	148.2	151.3	151.7	154.6	154.6
90°	89.0	89.4	85.9	86.4	84.9	86.8	85.7	87.6	86.1	87.7	85.5
92.5°	85.1	79.3	73.6	67.7	64.7	61.7	59.1	55.9	53.1	50.1	47.1
95°	107.5	97.6	87.8	78.0	74.7	71.2	67.9	64.5	61.1	57.8	54.4
97.5°	121.3	109.7	98.1	86.5	83.6	80.7	77.7	74.8	71.9	69.1	66.1
100°	166.0	144.4	122.8	101.1	98.6	96.2	93.7	91.3	88.8	86.3	83.9
102.5°	348.4	302.3	256.4	210.4	201.7	193.0	184.3	175.5	166.8	158.1	149.4
105°	662.2	587.6	513.0	438.5	414.8	391.1	367.5	343.8	320.1	296.5	272.8
107.5°	1008.2	932.6	856.8	781.2	737.6	693.8	650.1	606.2	562.6	518.6	474.9
110°	1201.9	1146.5	1091.3	1035.9	1000.8	965.6	930.3	895.1	859.8	824.4	789.2



TEST NUMBER: P1444591
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CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1233.1	1193.5	1153.9	1114.1	1098.2	1082.2	1066.2	1050.2	1034.1	1018.0	1002.0
115°	1154.8	1128.0	1101.1	1074.1	1068.6	1062.9	1057.2	1051.4	1045.7	1039.9	1034.1
117.5°	1029.8	1014.8	999.6	984.3	985.2	986.0	986.9	987.7	988.4	989.1	989.7
120°	900.5	893.9	887.3	880.7	885.4	890.1	894.9	899.4	904.0	908.5	913.0
122.5°	793.7	790.9	788.3	785.3	791.0	796.8	802.3	807.9	813.4	818.8	824.2
125°	709.3	707.6	706.2	704.4	710.3	715.9	721.6	727.1	732.7	738.0	743.5
127.5°	651.8	651.3	650.6	649.9	654.0	657.8	661.8	665.6	669.4	673.1	676.6
130°	610.8	609.7	608.7	607.6	611.2	614.7	618.2	621.6	625.0	628.2	631.3
132.5°	583.2	581.9	580.7	579.4	582.0	584.4	586.8	589.1	591.3	593.4	595.5
135°	559.7	558.1	556.8	555.2	557.5	559.8	562.1	564.0	566.1	567.9	569.8
137.5°	539.6	538.1	536.5	535.0	537.1	539.1	541.0	542.9	544.6	546.3	547.9
140°	522.0	520.1	518.5	516.7	518.5	520.2	522.0	523.6	525.1	526.5	528.0
142.5°	505.0	502.5	500.5	498.1	499.4	500.6	501.8	502.9	504.1	505.1	506.0
145°	493.0	490.4	487.9	485.3	486.3	487.2	488.2	489.2	489.8	490.5	491.2
147.5°	481.8	479.3	476.8	474.3	475.2	475.8	476.4	476.9	477.7	478.1	478.6
150°	470.9	468.3	465.8	463.2	463.9	464.4	465.0	465.5	466.1	466.4	466.9
152.5°	459.1	456.8	454.4	451.9	452.5	452.9	453.4	453.7	454.2	454.5	454.9
155°	450.9	448.9	446.8	444.8	445.4	445.7	446.1	446.4	446.7	446.9	447.3
157.5°	446.8	445.2	443.7	442.0	442.1	442.2	442.4	442.3	442.4	442.4	442.5
160°	443.4	441.9	440.7	439.2	439.2	439.3	439.5	439.4	439.4	439.3	439.4
162.5°	440.9	439.4	437.8	436.1	436.1	436.4	436.4	436.3	436.4	436.3	436.3
165°	440.7	439.5	438.3	437.0	436.9	436.8	436.7	436.4	436.2	435.9	435.7
167.5°	441.1	440.1	438.8	437.5	437.7	437.9	437.9	437.9	438.0	437.9	437.9
170°	442.5	441.5	440.7	439.7	439.6	439.5	439.4	439.2	439.0	438.8	438.6
172.5°	443.9	443.0	442.1	441.0	441.0	440.9	440.8	440.7	440.5	440.4	440.3
175°	442.2	441.6	440.7	440.1	440.0	440.0	439.9	439.8	439.6	439.6	439.4
177.5°	444.1	443.6	443.1	442.6	442.5	442.5	442.4	442.3	442.3	442.3	442.2
180°	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7



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CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	20980.1	20980.1
2.5°	21061.3	21060.2
5°	21139.6	21138.3
7.5°	21199.1	21198.8
10°	21206.2	21209.8
12.5°	21163.9	21166.8
15°	21040.3	21046.1
17.5°	20804.1	20811.6
20°	20397.1	20405.0
22.5°	19738.1	19741.3
25°	18779.9	18766.3
27.5°	17473.7	17450.3
30°	15813.0	15790.4
32.5°	13833.1	13819.0
35°	11604.5	11595.6
37.5°	9258.1	9239.9
40°	6980.2	6927.1
42.5°	4982.3	4889.2
45°	3443.2	3332.9
47.5°	2403.7	2335.6
50°	1821.9	1799.9
52.5°	1484.6	1479.4
55°	1252.6	1250.3
57.5°	1078.3	1077.6
60°	941.4	941.1
62.5°	839.3	839.7
65°	767.4	767.6
67.5°	704.1	703.6
70°	630.9	630.3
72.5°	580.5	579.6
75°	541.6	541.1
77.5°	486.3	485.4
80°	419.2	418.2
82.5°	344.9	343.6
85°	257.3	257.3
87.5°	157.4	157.3
90°	86.8	84.4
92.5°	44.5	41.7
95°	51.1	47.7
97.5°	63.3	60.3
100°	81.4	79.0
102.5°	140.8	132.0
105°	249.1	225.4
107.5°	431.1	387.4
110°	753.9	718.6



TEST NUMBER: P1444591
CATALOG NUMBER: EHBR1-24-UNV-TA-L850-UPL36

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	985.9	969.8
115°	1028.2	1022.4
117.5°	990.3	991.0
120°	917.3	921.8
122.5°	829.4	834.6
125°	748.6	754.0
127.5°	680.1	683.5
130°	634.1	637.2
132.5°	597.3	599.1
135°	571.4	573.0
137.5°	549.2	550.7
140°	529.1	530.2
142.5°	506.8	507.5
145°	491.8	492.4
147.5°	478.6	479.1
150°	467.1	467.4
152.5°	455.0	455.4
155°	447.4	447.6
157.5°	442.3	442.2
160°	439.2	439.1
162.5°	436.2	436.1
165°	435.3	435.1
167.5°	437.8	437.9
170°	438.3	438.2
172.5°	440.1	439.9
175°	439.3	439.3
177.5°	442.2	442.0
180°	444.7	444.7

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-4

Test Date: 07/31/2025

Luminaire Tested: EHBR-60-L850-N

Data in this report applies to families of products including EHBR-60-L850-N

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-4
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 08/05/2025
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: Metalux
 Catalog Number: **EHBR-60-L850-N**
 Description: Elevate Round Highbay at, 60000 lumens, 5000K 80CRI LEDs with N lens

Spectral Parameters

CCT (K): 4875
 CIE u': 0.2124
 CIE v': 0.4871
 Duv: 0.0005
 CIE x: 0.3488
 CIE y: 0.3555
 CIE z: 0.2957
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 573
 Purity: 11.33556
 R_f: 80
 R_g: 102.3

CRI (Ra):	82.3		
R1:	85.0	R9:	43.9
R2:	83.1	R10:	57.4
R3:	78.8	R11:	83.1
R4:	84.0	R12:	51.0
R5:	83.0	R13:	83.4
R6:	76.3	R14:	87.4
R7:	86.8	R15:	83.4
R8:	81.7		



Test Conditions

Stabilization Time: 39M
 Operation Time: 1H 39M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-4

Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208	10/22/2024	10/22/2025
Sphere Thermometer	ONSET IN0085	10/22/2024	10/22/2025
Room Thermometer	ONSET IN0046	10/22/2024	10/22/2025

REPORT NUMBER: SP1-2506-472-4

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-4

Photopic Flux vs. Wavelength

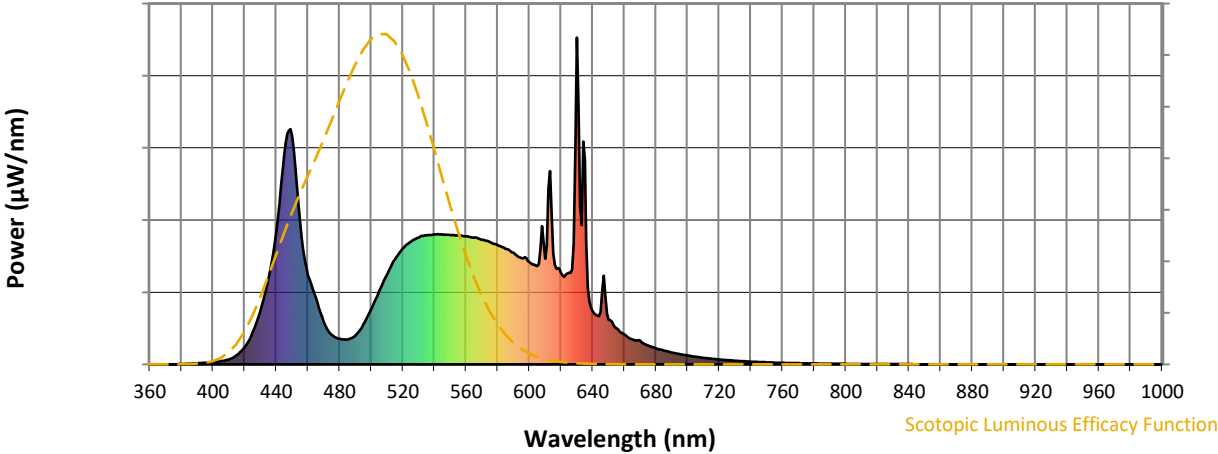


Photopic Lumens: NR

λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)
360	0	NR	490	89	NR	620	280	NR	750	6	NR	880	0	NR
365	0	NR	495	121	NR	625	280	NR	755	5	NR	885	0	NR
370	0	NR	500	168	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	224	NR	635	626	NR	765	4	NR	895	0	NR
380	1	NR	510	275	NR	640	163	NR	770	4	NR	900	0	NR
385	2	NR	515	321	NR	645	160	NR	775	3	NR	905	0	NR
390	3	NR	520	354	NR	650	136	NR	780	3	NR	910	0	NR
395	5	NR	525	375	NR	655	111	NR	785	2	NR	915	0	NR
400	7	NR	530	388	NR	660	93	NR	790	2	NR	920	0	NR
405	10	NR	535	395	NR	665	76	NR	795	2	NR	925	0	NR
410	15	NR	540	397	NR	670	72	NR	800	2	NR	930	0	NR
415	28	NR	545	398	NR	675	57	NR	805	1	NR	935	0	NR
420	53	NR	550	396	NR	680	49	NR	810	1	NR	940	0	NR
425	97	NR	555	395	NR	685	42	NR	815	1	NR	945	0	NR
430	163	NR	560	392	NR	690	37	NR	820	1	NR	950	0	NR
435	261	NR	565	388	NR	695	32	NR	825	1	NR	955	0	NR
440	409	NR	570	381	NR	700	27	NR	830	1	NR	960	0	NR
445	637	NR	575	374	NR	705	23	NR	835	1	NR	965	0	NR
450	699	NR	580	365	NR	710	20	NR	840	1	NR	970	0	NR
455	436	NR	585	354	NR	715	17	NR	845	0	NR	975	0	NR
460	274	NR	590	342	NR	720	15	NR	850	0	NR	980	0	NR
465	205	NR	595	325	NR	725	13	NR	855	0	NR	985	0	NR
470	130	NR	600	313	NR	730	11	NR	860	0	NR	990	0	NR
475	90	NR	605	301	NR	735	10	NR	865	0	NR	995	0	NR
480	78	NR	610	323	NR	740	8	NR	870	0	NR	1000	0	NR
485	77	NR	615	340	NR	745	7	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-4

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR S/P: 1.82

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	89	NR	620	280	NR	750	6	NR	880	0	NR
365	0	NR	495	121	NR	625	280	NR	755	5	NR	885	0	NR
370	0	NR	500	168	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	224	NR	635	626	NR	765	4	NR	895	0	NR
380	1	NR	510	275	NR	640	163	NR	770	4	NR	900	0	NR
385	2	NR	515	321	NR	645	160	NR	775	3	NR	905	0	NR
390	3	NR	520	354	NR	650	136	NR	780	3	NR	910	0	NR
395	5	NR	525	375	NR	655	111	NR	785	2	NR	915	0	NR
400	7	NR	530	388	NR	660	93	NR	790	2	NR	920	0	NR
405	10	NR	535	395	NR	665	76	NR	795	2	NR	925	0	NR
410	15	NR	540	397	NR	670	72	NR	800	2	NR	930	0	NR
415	28	NR	545	398	NR	675	57	NR	805	1	NR	935	0	NR
420	53	NR	550	396	NR	680	49	NR	810	1	NR	940	0	NR
425	97	NR	555	395	NR	685	42	NR	815	1	NR	945	0	NR
430	163	NR	560	392	NR	690	37	NR	820	1	NR	950	0	NR
435	261	NR	565	388	NR	695	32	NR	825	1	NR	955	0	NR
440	409	NR	570	381	NR	700	27	NR	830	1	NR	960	0	NR
445	637	NR	575	374	NR	705	23	NR	835	1	NR	965	0	NR
450	699	NR	580	365	NR	710	20	NR	840	1	NR	970	0	NR
455	436	NR	585	354	NR	715	17	NR	845	0	NR	975	0	NR
460	274	NR	590	342	NR	720	15	NR	850	0	NR	980	0	NR
465	205	NR	595	325	NR	725	13	NR	855	0	NR	985	0	NR
470	130	NR	600	313	NR	730	11	NR	860	0	NR	990	0	NR
475	90	NR	605	301	NR	735	10	NR	865	0	NR	995	0	NR
480	78	NR	610	323	NR	740	8	NR	870	0	NR	1000	0	NR
485	77	NR	615	340	NR	745	7	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.71

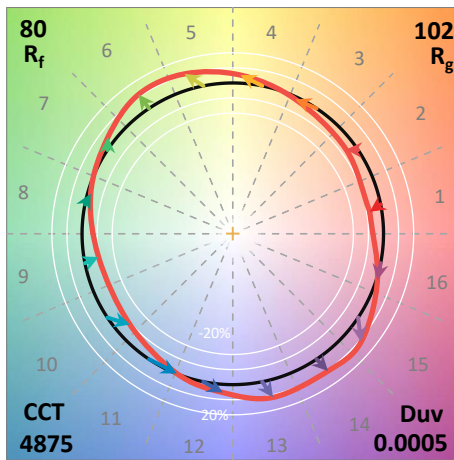
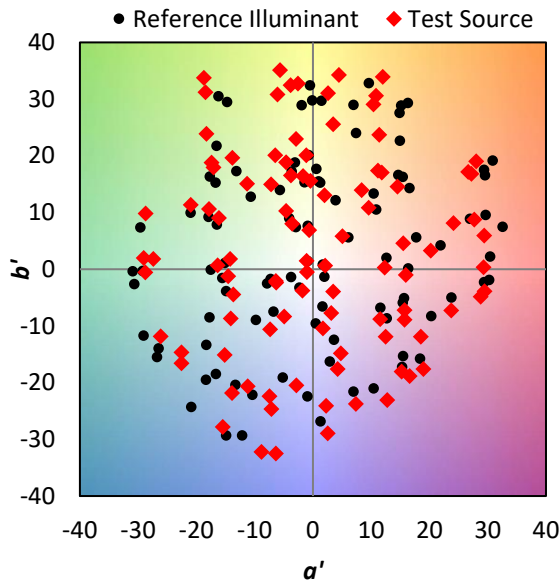
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	89	NR	620	280	NR	750	6	NR	880	0	NR
365	0	NR	495	121	NR	625	280	NR	755	5	NR	885	0	NR
370	0	NR	500	168	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	224	NR	635	626	NR	765	4	NR	895	0	NR
380	1	NR	510	275	NR	640	163	NR	770	4	NR	900	0	NR
385	2	NR	515	321	NR	645	160	NR	775	3	NR	905	0	NR
390	3	NR	520	354	NR	650	136	NR	780	3	NR	910	0	NR
395	5	NR	525	375	NR	655	111	NR	785	2	NR	915	0	NR
400	7	NR	530	388	NR	660	93	NR	790	2	NR	920	0	NR
405	10	NR	535	395	NR	665	76	NR	795	2	NR	925	0	NR
410	15	NR	540	397	NR	670	72	NR	800	2	NR	930	0	NR
415	28	NR	545	398	NR	675	57	NR	805	1	NR	935	0	NR
420	53	NR	550	396	NR	680	49	NR	810	1	NR	940	0	NR
425	97	NR	555	395	NR	685	42	NR	815	1	NR	945	0	NR
430	163	NR	560	392	NR	690	37	NR	820	1	NR	950	0	NR
435	261	NR	565	388	NR	695	32	NR	825	1	NR	955	0	NR
440	409	NR	570	381	NR	700	27	NR	830	1	NR	960	0	NR
445	637	NR	575	374	NR	705	23	NR	835	1	NR	965	0	NR
450	699	NR	580	365	NR	710	20	NR	840	1	NR	970	0	NR
455	436	NR	585	354	NR	715	17	NR	845	0	NR	975	0	NR
460	274	NR	590	342	NR	720	15	NR	850	0	NR	980	0	NR
465	205	NR	595	325	NR	725	13	NR	855	0	NR	985	0	NR
470	130	NR	600	313	NR	730	11	NR	860	0	NR	990	0	NR
475	90	NR	605	301	NR	735	10	NR	865	0	NR	995	0	NR
480	78	NR	610	323	NR	740	8	NR	870	0	NR	1000	0	NR
485	77	NR	615	340	NR	745	7	NR	875	0	NR			

Summary

$R_f = 80$
 $R_g = 102.3$
 $CIE R_a = 82.3$
 $R_9 = 43.9$

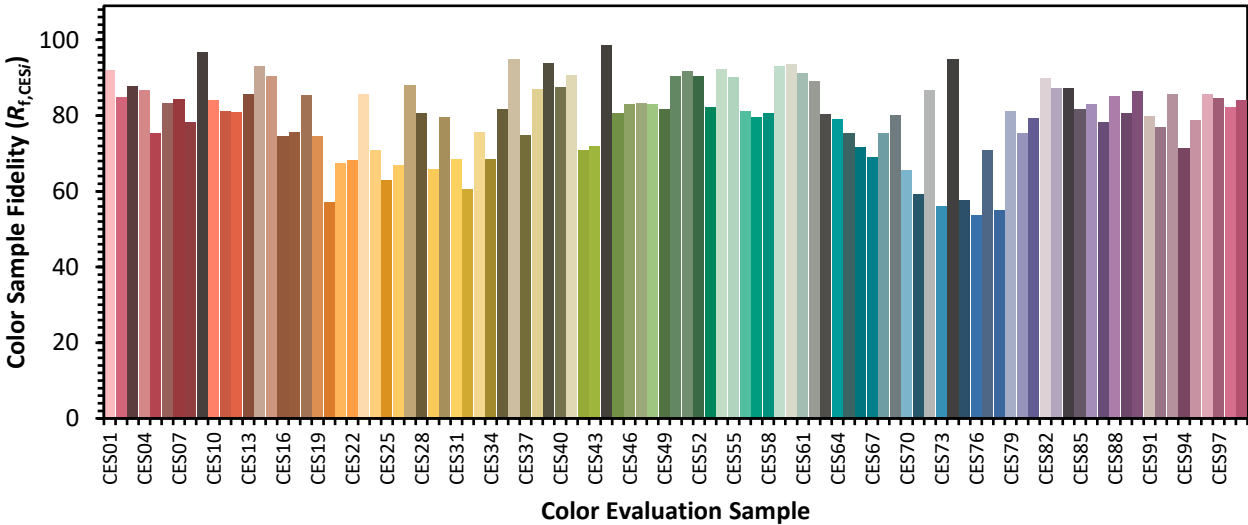


Color Vector Graphics

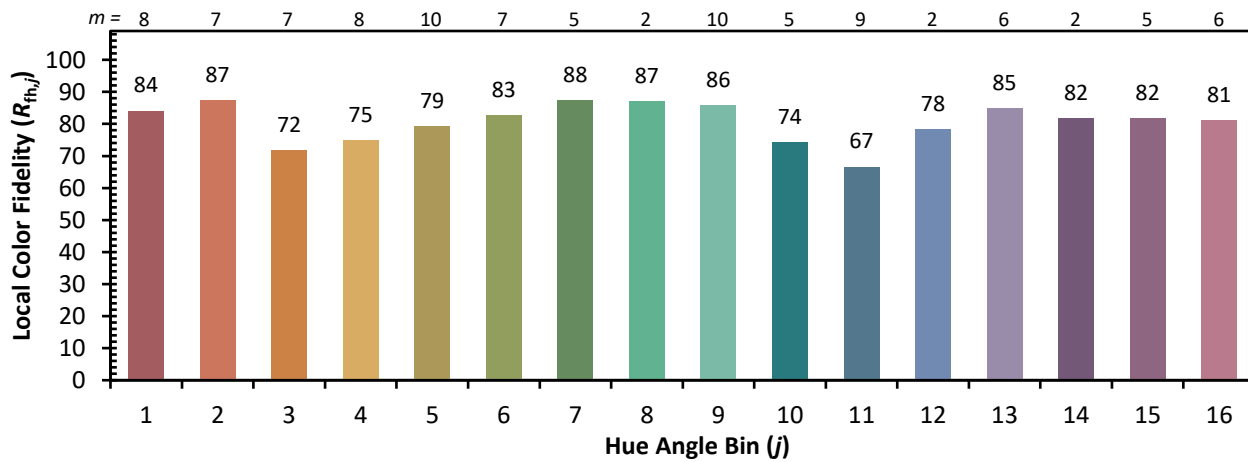
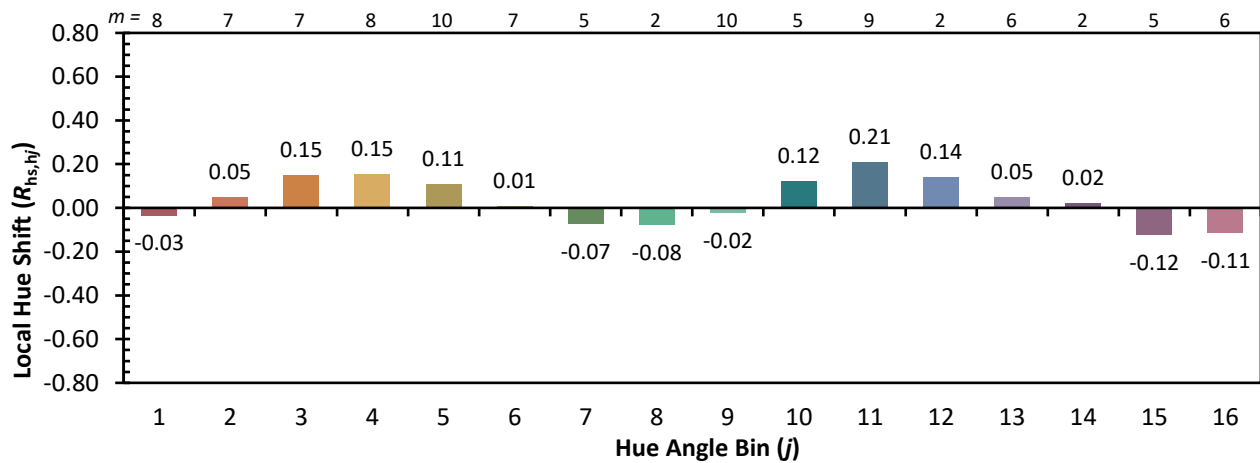
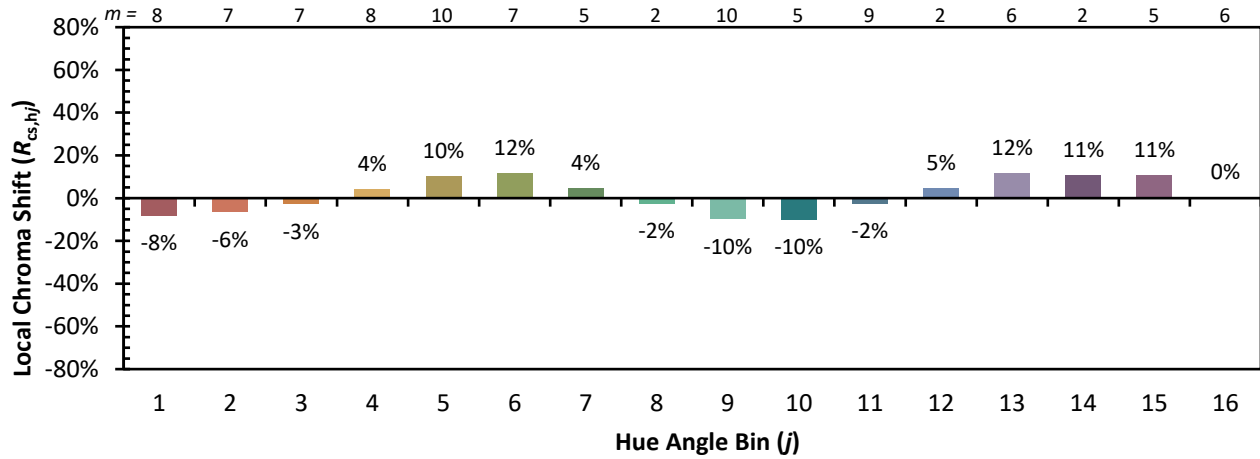


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 67	CES51 = 92	CES76 = 54
CES02 = 60	CES27 = 88	CES52 = 91	CES77 = 71
CES03 = 31	CES28 = 81	CES53 = 82	CES78 = 55
CES04 = 69	CES29 = 66	CES54 = 92	CES79 = 81
CES05 = 47	CES30 = 80	CES55 = 90	CES80 = 75
CES06 = 50	CES31 = 69	CES56 = 81	CES81 = 79
CES07 = 40	CES32 = 61	CES57 = 80	CES82 = 90
CES08 = 39	CES33 = 76	CES58 = 81	CES83 = 87
CES09 = 29	CES34 = 68	CES59 = 93	CES84 = 87
CES10 = 73	CES35 = 82	CES60 = 94	CES85 = 82
CES11 = 56	CES36 = 95	CES61 = 91	CES86 = 83
CES12 = 62	CES37 = 75	CES62 = 89	CES87 = 78
CES13 = 42	CES38 = 87	CES63 = 80	CES88 = 85
CES14 = 74	CES39 = 94	CES64 = 79	CES89 = 81
CES15 = 71	CES40 = 87	CES65 = 75	CES90 = 86
CES16 = 46	CES41 = 91	CES66 = 72	CES91 = 80
CES17 = 48	CES42 = 71	CES67 = 69	CES92 = 77
CES18 = 56	CES43 = 72	CES68 = 75	CES93 = 86
CES19 = 70	CES44 = 99	CES69 = 80	CES94 = 71
CES20 = 65	CES45 = 81	CES70 = 66	CES95 = 79
CES21 = 85	CES46 = 83	CES71 = 59	CES96 = 86
CES22 = 77	CES47 = 83	CES72 = 87	CES97 = 85
CES23 = 91	CES48 = 83	CES73 = 56	CES98 = 82
CES24 = 90	CES49 = 82	CES74 = 95	CES99 = 84
CES25 = 71	CES50 = 91	CES75 = 58	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)