

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: P1444388

Luminaire Tested: EHBR1-30-UNV-TA-L840-UPL30

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444388
REPORT IS A COMBINATION OF REPORTS P1444339 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-30-UNV-TA-L840-UPL30
Description: Elevate Round Highbay at, 30000 lumens, 4000K 80CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

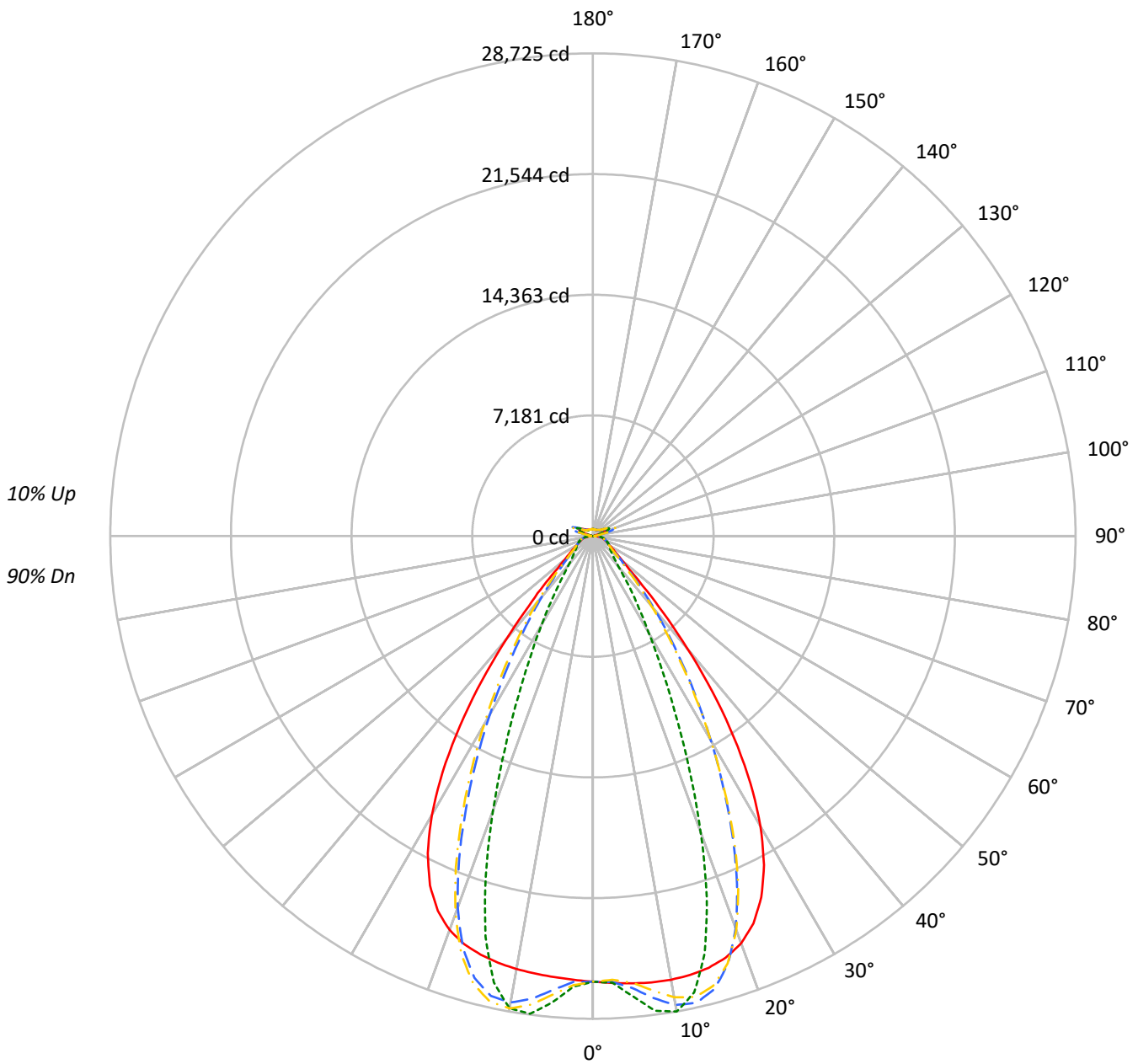
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33776.3 lumens
Efficiency: N/A
Efficacy: 185.8 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: Direct

Input Watts (W): 181.8
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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	93	93	93	90
1	110	106	103	100	106	103	100	98	97	95	93	92	90	88	87	85	84	84	84	84	82
2	103	97	92	88	99	94	90	86	89	86	83	85	82	79	81	78	76	76	76	76	74
3	96	89	83	78	93	87	81	77	82	78	74	79	75	72	75	72	70	70	70	70	67
4	91	82	75	70	88	80	74	69	76	71	67	73	69	66	70	67	64	64	64	64	62
5	85	76	69	64	83	74	68	63	71	66	62	68	64	60	66	62	59	59	59	59	57
6	80	70	63	58	78	69	62	58	66	61	57	64	59	56	62	58	54	54	54	54	53
7	76	65	59	54	74	64	58	53	62	56	52	60	55	51	58	54	51	51	51	51	49
8	72	61	54	50	70	60	54	49	58	53	49	56	51	48	55	50	47	47	47	47	45
9	68	57	51	46	66	56	50	46	55	49	45	53	48	45	52	47	44	44	44	44	42
10	65	54	48	43	63	53	47	43	52	46	42	50	45	42	49	44	41	41	41	41	40

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	124521	124521	124521	124521
5°	125124	128772	123373	130459
10°	126168	135201	123143	134307
15°	126787	122558	122927	117624
20°	125476	91302	121370	84476
25°	118769	57743	114843	52392
30°	103753	34699	99734	31712
35°	79849	21773	75256	19288
40°	50512	13658	46214	12834
45°	26035	10641	25604	10466
50°	15264	9465	14796	9317
55°	11694	8954	11261	8874
60°	9895	9147	9474	9029
65°	9294	9553	8938	9227
70°	9080	10002	8627	9626
75°	9708	10608	9183	10140
80°	10046	11746	9109	10721
85°	9462	11336	7643	9706

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 39843 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2613.2	7.7
10°-20°	7351.2	21.8
20°-30°	8372.4	24.8
30°-40°	6017.7	17.8
40°-50°	2775.4	8.2
50°-60°	1328.1	3.9
60°-70°	969.1	2.9
70°-80°	736.2	2.2
80°-90°	340.3	1.0
90°-100°	91.9	0.3
100°-110°	544.3	1.6
110°-120°	1005.8	3.0
120°-130°	611.1	1.8
130°-140°	387.3	1.1
140°-150°	282.9	0.8
150°-160°	194.3	0.6
160°-170°	115.8	0.3
170°-180°	39.3	0.1
0°-30°	18336.8	54.3
0°-40°	24354.5	72.1
0°-60°	28458.0	84.3
0°-90°	30503.6	90.3
90°-120°	1642.0	4.9
90°-150°	2923.3	8.7
90°-180°	3273.0	9.7
0°-180°	33776.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	26516	26516	26516	26516	26516	
5°	26716	27495	26342	27855	26716	2553
15°	26599	25712	25790	24677	26599	7494
25°	23718	11531	22934	10463	23718	10752
35°	14655	3996	13812	3540	14655	8994
45°	4212	1722	4143	1693	4212	3583
55°	1580	1210	1522	1199	1580	1459
65°	970	997	933	963	970	969
75°	684	747	647	714	684	711
85°	325	390	263	334	325	306
90°	96	119	33	39	96	59
95°	42	47	42	47	42	40
105°	194	252	130	252	194	258
115°	876	1065	917	1066	876	808
125°	652	690	740	691	652	594
135°	505	453	545	456	505	394
145°	442	434	471	438	442	279
155°	408	412	436	415	408	190
165°	402	403	418	405	402	114
175°	409	414	417	414	409	39
180°	414	414	414	414	414	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8
2.5°	26617.1	26615.0	26614.6	26612.7	26612.3	26612.3	26611.4	26609.1	26607.8	26604.8	26601.3
5°	26715.9	26714.7	26715.4	26715.6	26713.8	26709.6	26703.1	26695.2	26685.1	26675.7	26667.3
7.5°	26792.3	26794.1	26796.5	26796.0	26790.2	26780.5	26767.2	26759.7	26764.1	26778.6	26811.7
10°	26806.2	26817.6	26822.0	26820.6	26809.0	26800.8	26804.0	26832.0	26887.9	26962.6	27064.6
12.5°	26751.9	26765.8	26765.3	26760.7	26749.5	26760.9	26801.6	26885.2	27005.1	27152.2	27324.8
15°	26599.3	26617.3	26612.3	26606.2	26598.8	26636.2	26717.5	26862.7	27047.9	27255.3	27467.7
17.5°	26303.0	26324.8	26314.2	26307.4	26301.1	26371.2	26510.9	26723.6	26956.7	27191.4	27392.7
20°	25789.0	25803.7	25778.4	25766.5	25776.5	25914.0	26119.7	26391.3	26637.1	26859.0	26996.6
22.5°	24950.2	24968.4	24921.0	24915.4	24974.1	25185.2	25445.5	25749.1	25980.0	26156.0	26209.0
25°	23718.0	23735.8	23679.4	23713.1	23812.8	24100.5	24410.3	24735.1	24932.2	25062.5	25026.5
27.5°	22054.6	22071.0	22017.5	22086.3	22243.8	22621.8	22986.5	23338.9	23514.4	23605.8	23490.0
30°	19956.8	19990.7	19927.5	20023.6	20264.0	20754.7	21172.7	21567.7	21742.8	21812.3	21632.3
32.5°	17465.3	17513.5	17443.9	17586.8	17922.3	18511.6	18986.5	19427.9	19621.5	19700.8	19497.5
35°	14655.1	14724.3	14644.4	14858.8	15272.6	15929.0	16454.8	16947.6	17176.9	17289.4	17084.5
37.5°	11678.0	11743.9	11700.6	11986.7	12441.1	13121.4	13658.0	14189.7	14448.8	14617.5	14455.9
40°	8755.0	8815.3	8848.0	9175.1	9602.6	10243.8	10759.2	11285.3	11575.0	11786.8	11687.1
42.5°	6179.3	6240.1	6351.4	6667.0	7023.4	7554.2	7995.7	8468.0	8744.8	8970.7	8932.4
45°	4212.3	4282.9	4422.2	4680.8	4938.6	5319.3	5643.5	6010.8	6236.9	6443.9	6446.4
47.5°	2951.7	3001.4	3125.9	3302.4	3470.5	3947.1	3966.7	4147.2	4299.2	4453.9	4474.0
50°	2274.9	2304.8	2370.7	2469.1	2564.4	2688.1	2801.4	2932.3	3025.8	3110.5	3130.8
52.5°	1869.8	1888.7	1922.3	1975.6	2030.9	2098.2	2158.9	2230.7	2281.6	2327.0	2336.4
55°	1580.3	1596.0	1646.1	1656.2	1719.3	1731.5	1758.5	1802.2	1831.7	1859.0	1865.7
57.5°	1361.8	1373.2	1383.8	1406.5	1426.0	1454.3	1477.1	1508.5	1527.1	1546.8	1548.4
60°	1189.5	1197.7	1205.3	1221.0	1234.3	1254.0	1269.6	1291.0	1304.3	1319.1	1320.8
62.5°	1061.3	1067.1	1072.2	1082.6	1091.9	1107.1	1119.6	1137.3	1149.9	1161.3	1163.8
65°	970.1	974.4	977.6	985.5	993.8	1006.6	1017.9	1032.4	1041.6	1050.3	1052.2
67.5°	889.2	893.4	896.7	903.9	909.6	919.2	926.8	937.7	944.6	951.6	951.8
70°	796.7	800.5	803.1	809.7	814.4	822.6	828.7	838.6	845.6	853.4	855.3
72.5°	732.6	734.9	738.3	744.4	750.8	759.7	767.7	778.0	786.5	794.6	798.0
75°	683.9	686.5	688.7	694.0	698.4	705.9	712.0	721.3	728.8	737.4	741.6
77.5°	613.5	616.6	618.5	623.8	627.6	634.8	639.2	647.6	653.7	661.6	665.4
80°	528.5	531.3	532.8	537.6	540.7	547.3	551.7	559.8	564.8	572.7	577.3
82.5°	434.3	437.0	437.8	442.4	444.1	449.5	452.7	461.0	467.3	477.5	484.6
85°	325.2	326.2	327.7	326.5	333.2	333.6	341.0	342.4	352.2	354.8	366.0
87.5°	198.8	201.8	203.2	207.8	209.7	214.2	215.6	220.5	223.1	228.5	231.2
90°	95.8	101.1	103.4	109.6	111.8	117.4	119.4	125.4	127.7	134.1	137.7
92.5°	36.9	39.4	41.8	44.5	47.0	50.0	52.9	55.4	58.0	60.9	66.0
95°	42.2	45.0	47.8	50.8	53.6	56.4	59.2	62.2	65.0	67.8	76.1
97.5°	53.0	55.5	57.9	60.4	62.9	65.4	67.8	70.3	72.7	75.2	85.1
100°	69.0	71.1	73.2	75.3	77.4	79.4	81.5	83.6	85.7	87.8	106.1
102.5°	114.5	121.9	129.4	136.7	144.2	151.5	159.0	166.3	173.7	181.1	220.1
105°	194.5	214.6	234.8	254.9	275.0	295.1	315.2	335.2	355.3	375.3	438.8
107.5°	332.8	369.9	407.1	444.4	481.6	518.7	556.0	593.1	630.3	667.4	731.7
110°	615.4	645.2	675.2	705.1	735.1	765.0	795.0	824.7	854.7	884.5	931.5



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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°	829.9	843.4	856.9	870.6	884.1	897.5	911.0	924.5	938.1	951.6	985.2
115°	875.5	880.3	885.1	889.8	894.7	899.3	904.1	908.7	913.4	918.0	940.8
117.5°	850.0	849.2	848.5	847.7	846.8	845.8	845.0	844.0	843.1	842.1	854.9
120°	792.4	788.2	784.3	780.0	775.9	771.6	767.5	763.2	759.0	754.5	760.1
122.5°	719.7	714.8	710.0	704.9	699.9	694.8	689.9	684.4	679.5	674.3	676.4
125°	652.5	647.5	642.7	637.6	632.5	627.3	622.1	616.9	611.8	606.4	607.6
127.5°	594.2	590.8	587.3	583.5	579.9	576.2	572.5	568.6	564.9	560.9	561.2
130°	556.4	553.4	550.2	546.9	543.6	540.1	536.7	533.3	529.8	526.2	526.7
132.5°	525.6	523.5	521.2	518.9	516.5	513.9	511.5	508.6	506.2	503.6	504.2
135°	505.1	503.0	501.1	498.8	496.6	494.1	491.7	489.2	486.7	484.2	485.1
137.5°	487.6	485.9	484.1	481.9	479.9	477.5	475.4	472.9	470.7	468.3	469.2
140°	471.7	470.1	468.5	466.5	464.6	462.6	460.5	458.4	456.3	454.0	455.2
142.5°	453.8	452.4	451.2	449.7	448.3	446.5	444.9	443.1	441.4	439.5	441.0
145°	442.2	441.1	440.1	438.9	437.5	436.0	434.6	433.0	431.7	430.0	431.5
147.5°	432.0	431.0	430.2	429.3	428.3	426.9	425.7	424.4	423.3	422.0	423.6
150°	423.1	422.3	421.6	420.7	419.5	418.3	417.1	416.1	414.9	413.6	415.2
152.5°	413.7	412.8	412.1	411.2	410.2	408.8	408.0	406.8	405.7	404.5	405.9
155°	408.1	407.2	406.3	405.5	404.5	403.5	402.4	401.4	400.4	399.2	400.4
157.5°	404.6	403.8	403.2	402.3	401.8	401.0	400.2	399.3	398.5	397.6	398.5
160°	403.2	402.5	401.8	401.0	400.3	399.5	398.8	397.8	397.2	396.3	397.0
162.5°	401.9	401.1	400.4	399.6	399.0	398.2	397.4	396.7	396.0	395.1	395.9
165°	402.1	401.7	401.2	400.7	400.3	399.8	399.3	398.7	398.2	397.5	398.1
167.5°	405.7	405.0	404.5	403.8	403.2	402.7	402.0	401.3	400.8	400.0	400.5
170°	406.9	406.4	406.2	405.9	405.5	405.1	404.8	404.4	404.0	403.6	404.1
172.5°	409.1	408.7	408.5	408.3	407.9	407.7	407.4	407.1	406.9	406.5	407.2
175°	409.0	408.7	408.6	408.4	408.3	408.1	408.0	407.8	407.8	407.5	407.9
177.5°	411.9	411.8	411.8	411.7	411.7	411.6	411.5	411.3	411.2	411.2	411.5
180°	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3



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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°	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8
2.5°	26598.8	26595.5	26591.1	26585.5	26580.7	26575.0	26561.8	26557.9	26562.3	26565.3	26571.3
5°	26661.9	26663.8	26664.5	26676.5	26687.0	26713.1	26917.1	26998.1	27060.9	27100.6	27161.1
7.5°	26852.5	26913.9	26974.5	27056.0	27126.4	27221.4	27578.3	27730.2	27838.2	27915.9	28011.5
10°	27175.4	27309.3	27434.7	27581.7	27708.1	27852.9	28185.1	28333.1	28426.6	28494.6	28558.1
12.5°	27500.7	27686.4	27854.1	28017.7	28154.5	28279.9	28396.8	28448.7	28453.0	28455.2	28421.5
15°	27670.1	27847.6	27995.4	28103.6	28184.0	28219.5	28018.4	27912.9	27779.5	27669.6	27488.9
17.5°	27563.2	27669.6	27733.5	27727.2	27694.0	27582.7	27012.9	26699.6	26388.5	26108.1	25740.5
20°	27087.8	27079.7	27024.1	26866.8	26677.3	26382.4	25405.6	24842.1	24297.1	23818.6	23238.0
22.5°	26203.5	26064.4	25870.4	25531.1	25154.3	24639.3	23239.4	22410.4	21651.8	20981.8	20231.1
25°	24922.2	24635.9	24278.1	23739.6	23153.9	22402.7	20677.3	19646.2	18735.4	17945.6	17079.3
27.5°	23282.4	22851.1	22326.7	21581.4	20787.9	19825.5	17912.7	16774.7	15797.0	14950.2	14028.2
30°	21340.9	20780.1	20103.0	19177.9	18220.8	17129.3	15189.2	14036.6	13047.0	12175.8	11253.2
32.5°	19146.9	18490.0	17696.6	16658.3	15623.3	14501.0	12627.4	11511.8	10566.3	9728.2	8893.2
35°	16727.1	16022.6	15183.2	14124.2	13095.4	12004.3	10285.1	9279.2	8444.3	7703.4	7029.2
37.5°	14131.3	13439.7	12641.9	11643.8	10689.7	9701.0	8217.6	7374.7	6674.0	6059.1	5538.5
40°	11432.6	10827.3	10136.9	9274.0	8459.9	7636.4	6418.8	5749.6	5196.8	4727.8	4337.7
42.5°	8766.7	8297.7	7768.3	7086.4	6463.4	5836.4	4899.2	4403.4	3993.9	3656.3	3380.6
45°	6360.5	6046.8	5691.8	5217.6	4786.6	4349.3	3682.2	3333.8	3067.2	2849.4	2665.4
47.5°	4446.4	4264.3	4253.2	3815.1	3499.0	3231.6	2801.9	2581.8	2418.5	2286.6	2170.1
50°	3122.6	3034.5	2925.1	2768.8	2622.1	2470.9	2209.1	2076.1	1980.4	1900.5	1826.8
52.5°	2334.3	2288.6	2230.4	2147.5	2067.9	1982.9	1817.2	1732.6	1702.5	1628.0	1569.7
55°	1864.5	1838.3	1805.1	1756.4	1708.0	1688.7	1546.7	1483.8	1444.0	1414.6	1383.2
57.5°	1548.7	1529.2	1509.6	1476.5	1448.5	1414.6	1339.2	1307.0	1283.3	1266.0	1244.3
60°	1321.1	1309.4	1298.4	1279.0	1263.9	1245.6	1197.7	1179.5	1167.2	1156.7	1142.9
62.5°	1166.0	1159.9	1154.3	1144.0	1136.3	1126.3	1093.7	1084.9	1078.7	1073.5	1065.1
65°	1054.1	1049.8	1046.5	1039.7	1035.8	1030.1	1001.9	996.1	992.3	990.3	985.5
67.5°	952.3	947.9	945.7	940.9	939.3	935.6	912.6	909.4	908.1	908.7	907.0
70°	857.2	855.3	856.3	855.5	857.8	858.4	844.4	844.3	845.8	848.8	849.1
72.5°	800.2	800.2	801.3	801.8	803.9	804.9	793.3	792.7	793.4	795.5	795.6
75°	746.0	746.9	749.8	750.8	753.2	753.7	738.4	736.7	736.8	738.8	738.1
77.5°	670.9	674.1	679.8	682.7	687.4	688.2	671.1	669.1	669.2	671.2	669.4
80°	585.7	591.9	600.9	607.0	614.3	617.2	599.5	595.3	591.4	590.8	587.2
82.5°	495.2	502.8	513.5	519.0	526.8	528.6	499.1	493.4	490.1	490.4	487.1
85°	378.1	383.7	393.5	396.6	401.5	401.1	367.3	352.7	356.6	350.6	355.4
87.5°	237.1	240.4	246.6	247.3	249.6	249.1	215.1	208.5	206.4	206.5	204.1
90°	145.1	149.2	156.4	158.3	163.8	165.2	139.5	138.2	134.2	133.9	128.8
92.5°	71.3	76.3	81.5	86.6	91.8	97.0	99.0	103.1	98.1	92.5	87.7
95°	84.5	92.7	101.1	109.5	117.9	126.1	134.5	142.9	135.1	127.2	119.5
97.5°	94.9	104.8	114.6	124.4	134.3	144.2	154.1	164.0	155.6	147.0	138.6
100°	124.5	143.0	161.4	179.8	198.2	216.6	235.0	253.5	237.3	221.0	204.8
102.5°	259.1	298.2	337.2	376.3	415.3	454.4	493.6	532.8	495.6	458.4	421.3
105°	502.2	565.4	628.8	692.0	755.3	818.6	882.3	945.6	886.3	826.9	767.5
107.5°	795.9	860.3	924.3	988.5	1052.8	1117.1	1181.7	1246.0	1188.1	1130.0	1072.2
110°	978.4	1025.2	1072.2	1118.9	1165.7	1212.7	1260.1	1307.1	1272.3	1237.5	1202.7



TEST NUMBER: P1444388
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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°	1018.6	1052.2	1085.7	1119.2	1152.6	1186.1	1220.5	1254.2	1236.7	1219.1	1201.8
115°	963.3	986.0	1008.5	1031.1	1053.8	1076.2	1099.8	1122.7	1117.2	1111.5	1106.1
117.5°	867.5	880.3	893.0	905.5	918.0	930.6	944.7	957.5	958.4	959.5	960.5
120°	765.5	770.9	776.1	781.6	786.7	792.0	799.0	804.7	809.4	814.0	818.8
122.5°	678.6	680.6	682.6	684.6	686.6	688.6	692.6	695.0	698.2	701.6	704.8
125°	608.6	609.6	610.6	611.6	612.5	613.5	616.7	618.0	618.3	618.5	618.7
127.5°	561.5	561.7	561.9	562.1	562.2	562.4	564.9	565.5	563.7	561.7	559.7
130°	527.3	527.8	528.2	528.8	529.3	529.9	532.9	534.0	530.5	526.9	523.5
132.5°	504.8	505.6	506.1	506.9	507.5	508.1	511.6	512.9	508.9	504.7	500.8
135°	485.8	486.7	487.6	488.5	489.3	490.3	494.1	495.6	491.9	487.9	484.0
137.5°	469.9	470.8	471.6	472.7	473.5	474.4	478.6	480.2	477.3	474.0	471.0
140°	456.3	457.2	458.3	459.5	460.6	461.8	466.3	468.2	465.9	463.3	460.9
142.5°	442.3	444.0	445.5	447.1	448.6	450.3	455.6	458.0	456.3	454.3	452.5
145°	433.2	435.1	436.8	438.6	440.4	442.3	448.2	450.9	449.8	448.7	447.5
147.5°	424.8	426.6	428.2	429.8	431.5	433.6	439.5	442.2	441.6	440.8	440.1
150°	416.6	418.4	419.9	421.8	423.6	425.5	432.2	435.2	434.6	434.0	433.3
152.5°	407.3	408.8	410.4	411.9	413.5	415.3	423.1	426.1	425.7	425.0	424.5
155°	401.5	402.6	403.7	405.0	406.2	407.7	416.0	418.8	418.5	418.2	417.9
157.5°	399.2	400.0	400.7	401.6	402.5	403.5	411.9	414.8	414.4	414.1	413.8
160°	397.5	398.3	398.8	399.5	400.1	400.9	409.5	412.1	411.9	411.5	411.2
162.5°	396.7	397.7	398.5	399.4	400.2	401.2	409.9	412.9	412.3	411.8	411.3
165°	398.7	399.1	399.6	400.2	400.7	401.3	409.4	411.8	411.6	411.2	410.9
167.5°	401.0	401.6	402.2	402.8	403.4	404.1	411.7	414.0	413.8	413.4	413.2
170°	404.4	405.0	405.4	406.0	406.5	407.2	413.4	415.4	415.1	414.5	414.1
172.5°	407.7	408.4	408.9	409.6	410.1	410.8	416.1	417.9	417.6	417.2	416.7
175°	408.3	408.7	409.3	409.8	410.3	410.8	414.9	416.3	416.2	416.0	415.8
177.5°	411.9	412.1	412.5	412.9	413.3	413.6	416.2	417.1	417.0	417.0	416.9
180°	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3



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CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8
2.5°	26572.7	26582.1	26583.4	26594.3	26593.5	26606.4	26604.4	26615.0	26608.7	26617.5	26610.2
5°	27196.9	27253.5	27283.1	27338.2	27355.7	27405.1	27419.2	27464.3	27466.1	27501.9	27493.7
7.5°	28079.3	28162.6	28212.1	28280.5	28315.1	28372.0	28397.0	28439.1	28452.7	28486.1	28488.6
10°	28606.2	28646.6	28675.0	28694.0	28711.4	28719.6	28729.1	28726.5	28729.1	28725.3	28733.5
12.5°	28398.9	28339.8	28300.6	28226.6	28183.6	28101.8	28061.5	27982.8	27954.2	27886.6	27876.9
15°	27349.2	27143.1	26997.4	26785.6	26652.4	26444.0	26322.1	26134.0	26048.1	25898.7	25859.5
17.5°	25436.1	25053.5	24757.2	24377.3	24113.7	23758.6	23535.3	23241.4	23080.5	22843.5	22761.4
20°	22754.1	22187.8	21743.5	21214.3	20835.5	20363.6	20061.6	19680.6	19459.4	19168.3	19050.3
22.5°	19605.2	18900.1	18345.3	17720.1	17263.2	16737.3	16375.4	15963.1	15722.4	15406.2	15266.2
25°	16359.5	15582.1	14965.3	14306.6	13823.8	13296.6	12934.6	12529.7	12280.6	11980.4	11841.2
27.5°	13255.4	12468.5	11872.4	11259.9	10817.1	10341.4	10014.8	9661.2	9440.2	9183.9	9053.1
30°	10516.2	9822.1	9314.8	8806.6	8438.2	8051.8	7780.4	7487.4	7293.5	7074.0	6949.3
32.5°	8284.4	7748.5	7351.4	6948.1	6646.6	6323.7	6089.1	5830.6	5655.5	5459.6	5346.7
35°	6561.1	6144.8	5828.0	5496.0	5236.9	4962.0	4755.3	4532.1	4375.1	4206.4	4108.8
37.5°	5183.9	4852.9	4592.2	4316.4	4103.7	3875.9	3799.2	3543.1	3380.4	3245.7	3152.4
40°	4068.4	3805.1	3589.4	3378.5	3205.0	3032.2	2893.6	2756.8	2651.8	2555.4	2488.8
42.5°	3177.1	2986.3	2828.8	2674.4	2547.7	2421.9	2321.4	2227.2	2156.4	2093.5	2050.5
45°	2525.6	2394.5	2285.0	2176.2	2086.9	2002.9	1935.3	1875.1	1829.4	1791.6	1764.7
47.5°	2074.9	1985.1	1907.8	1834.5	1773.8	1718.7	1673.4	1658.7	1609.6	1576.5	1563.8
50°	1763.3	1709.1	1650.4	1596.3	1555.8	1515.5	1486.2	1457.4	1438.9	1423.7	1419.2
52.5°	1530.9	1489.4	1456.8	1422.5	1395.7	1367.1	1346.8	1327.6	1317.6	1309.6	1308.6
55°	1358.0	1329.1	1307.4	1284.4	1268.4	1251.6	1241.1	1231.0	1226.5	1222.5	1222.8
57.5°	1227.2	1207.9	1193.7	1178.8	1170.2	1162.2	1159.5	1156.9	1158.3	1158.9	1161.2
60°	1131.9	1119.3	1110.5	1101.9	1098.3	1095.7	1097.7	1099.9	1104.6	1108.3	1111.6
62.5°	1058.8	1051.7	1047.3	1042.8	1042.4	1042.6	1046.5	1050.3	1056.1	1060.5	1063.7
65°	983.7	979.5	978.2	975.2	976.7	977.6	982.4	985.3	991.0	994.5	998.6
67.5°	907.7	906.8	907.6	907.6	910.3	912.5	917.1	920.4	925.4	928.5	931.8
70°	851.6	852.0	854.1	854.4	857.3	858.9	862.8	865.0	869.4	872.1	876.1
72.5°	797.1	796.2	796.7	795.4	796.4	796.0	798.1	799.2	803.0	805.1	809.9
75°	739.0	736.6	736.0	733.3	733.4	731.5	732.4	732.3	734.8	735.8	739.3
77.5°	668.9	664.7	662.7	658.3	658.2	656.6	658.3	659.4	663.7	665.7	669.8
80°	584.9	578.5	575.4	570.4	571.3	571.0	575.2	578.6	583.8	584.8	590.0
82.5°	486.1	479.6	476.4	471.4	472.6	472.7	476.7	477.3	481.9	483.9	489.8
85°	348.1	350.6	343.7	344.2	342.7	345.4	348.1	351.4	355.3	361.6	366.6
87.5°	205.0	204.1	206.5	206.8	210.4	212.3	217.9	221.2	227.6	232.6	241.7
90°	127.3	122.5	122.7	120.0	121.7	119.1	120.9	118.0	120.5	119.6	123.2
92.5°	81.9	76.9	71.2	66.2	60.6	55.7	52.9	50.7	47.9	45.8	43.0
95°	111.7	103.8	96.1	88.3	80.5	72.7	69.9	67.1	64.2	61.3	58.5
97.5°	130.3	122.0	113.6	105.1	96.8	88.4	86.5	84.6	82.7	80.8	78.9
100°	188.6	172.4	156.3	140.0	123.9	107.8	106.2	104.7	103.2	101.7	100.1
102.5°	384.2	347.1	310.1	272.9	235.9	198.9	192.4	186.0	179.5	173.0	166.6
105°	708.1	648.7	589.4	530.0	470.7	411.4	393.7	375.9	358.2	340.5	322.8
107.5°	1014.2	956.2	898.4	840.6	782.7	724.9	696.8	668.9	640.8	612.9	584.9
110°	1167.7	1133.0	1098.3	1063.4	1028.8	994.1	967.2	940.7	913.9	887.2	860.6



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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°	1184.3	1166.9	1149.5	1132.2	1114.8	1097.5	1084.5	1071.5	1058.4	1045.4	1032.3
115°	1100.4	1094.9	1089.3	1084.0	1078.5	1073.0	1072.0	1071.3	1070.1	1069.3	1068.4
117.5°	961.4	962.5	963.4	964.5	965.6	966.7	973.7	980.4	987.5	994.6	1001.7
120°	823.4	828.1	832.7	837.6	842.2	847.2	856.3	865.7	875.0	884.6	894.1
122.5°	708.0	711.2	714.5	717.9	721.2	724.6	733.6	742.9	752.1	761.5	771.2
125°	618.7	618.8	619.1	619.1	619.3	619.6	627.1	634.8	642.4	650.3	658.0
127.5°	557.7	555.6	553.5	551.6	549.4	547.6	552.0	556.6	561.0	565.6	570.2
130°	519.8	516.2	512.6	509.1	505.3	501.9	503.6	505.4	507.1	509.0	510.9
132.5°	496.5	492.4	488.2	484.0	479.8	475.6	475.5	475.5	475.4	475.5	475.7
135°	480.1	476.1	472.0	468.1	464.0	460.2	459.1	458.0	457.1	456.2	455.4
137.5°	467.8	464.6	461.5	458.4	455.1	451.9	450.3	449.1	447.5	446.4	445.1
140°	458.3	456.0	453.2	450.7	448.2	445.8	444.4	443.3	442.1	441.1	440.0
142.5°	450.5	448.7	446.8	445.0	443.0	441.1	439.9	438.8	437.7	436.7	435.6
145°	446.2	445.1	443.8	442.4	441.3	440.1	439.0	438.2	437.3	436.6	436.0
147.5°	439.4	438.7	437.9	437.1	436.2	435.4	434.8	434.4	433.6	433.2	432.6
150°	432.5	431.9	431.0	430.5	429.6	428.9	428.5	428.2	427.8	427.7	427.3
152.5°	423.7	423.2	422.5	421.9	421.1	420.5	420.1	419.9	419.6	419.4	418.9
155°	417.4	417.0	416.5	416.1	415.5	415.2	414.7	414.2	413.9	413.5	413.0
157.5°	413.4	413.1	412.6	412.3	411.7	411.3	410.9	410.5	410.0	409.7	409.3
160°	410.8	410.5	410.0	409.7	409.3	408.8	408.1	407.6	406.9	406.4	405.8
162.5°	410.7	410.2	409.7	409.0	408.4	407.9	407.4	407.0	406.6	406.2	405.7
165°	410.5	410.1	409.7	409.3	409.0	408.6	407.9	407.4	406.7	406.2	405.6
167.5°	412.8	412.5	412.1	411.8	411.3	411.0	410.5	409.9	409.3	408.6	408.0
170°	413.7	413.2	412.8	412.2	411.7	411.2	410.7	410.1	409.5	409.0	408.4
172.5°	416.3	416.1	415.7	415.3	414.7	414.3	413.9	413.4	412.9	412.4	412.1
175°	415.7	415.6	415.5	415.2	415.1	414.9	414.7	414.6	414.4	414.3	414.0
177.5°	416.9	416.8	416.8	416.6	416.5	416.5	416.2	416.0	415.7	415.4	415.3
180°	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3



TEST NUMBER: P1444388
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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°	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8
2.5°	26617.8	26611.1	26614.3	26601.8	26604.8	26589.8	26588.4	26571.3	26569.7	26553.7	26547.7
5°	27519.1	27504.2	27521.0	27494.9	27500.0	27466.1	27463.3	27419.5	27404.3	27349.4	27325.7
7.5°	28509.5	28503.9	28514.1	28492.3	28491.6	28461.4	28449.0	28409.6	28385.2	28327.7	28290.8
10°	28726.5	28731.7	28723.3	28725.3	28713.5	28710.3	28698.2	28690.5	28670.8	28655.9	28633.9
12.5°	27825.5	27830.8	27796.5	27818.3	27801.1	27841.3	27838.1	27885.4	27892.7	27952.6	27975.3
15°	25743.0	25736.6	25670.6	25712.1	25689.8	25778.1	25797.8	25916.6	25980.0	26132.5	26226.1
17.5°	22597.2	22580.2	22487.3	22537.9	22512.2	22642.3	22686.0	22875.7	22994.2	23239.8	23414.8
20°	18847.2	18814.6	18706.0	18765.2	18738.6	18886.5	18948.8	19178.3	19330.9	19656.2	19887.7
22.5°	15050.5	14999.2	14892.7	14948.0	14923.0	15076.1	15157.2	15387.5	15562.4	15896.3	16166.4
25°	11641.2	11595.4	11492.6	11531.3	11522.0	11651.5	11723.6	11941.4	12113.2	12431.4	12689.2
27.5°	8879.1	8831.4	8738.4	8765.9	8756.4	8866.8	8934.8	9116.7	9264.5	9532.3	9758.7
30°	6795.6	6738.1	6659.3	6674.4	6668.0	6757.4	6820.8	6974.1	7100.8	7327.2	7522.2
32.5°	5208.9	5151.0	5078.6	5085.7	5076.2	5146.3	5198.7	5331.9	5442.3	5634.8	5804.6
35°	3985.4	4053.0	3898.3	3996.2	3894.2	4044.1	3990.2	4073.4	4168.5	4330.6	4472.2
37.5°	3063.9	3016.8	2977.1	2972.8	2972.6	3007.3	3048.3	3128.4	3212.2	3332.9	3457.7
40°	2428.0	2395.0	2369.2	2367.3	2369.2	2393.9	2424.1	2479.6	2540.9	2627.6	2719.4
42.5°	2013.8	1991.9	1976.3	1975.2	1980.2	1997.6	2018.7	2051.6	2091.5	2147.8	2210.6
45°	1742.9	1730.7	1722.1	1721.7	1723.9	1733.0	1745.1	1765.6	1790.9	1826.0	1865.7
47.5°	1552.9	1549.9	1544.5	1544.7	1542.3	1546.0	1547.4	1558.9	1572.3	1598.8	1650.7
50°	1414.5	1414.5	1410.8	1410.6	1407.1	1406.8	1403.9	1408.5	1414.7	1431.2	1447.7
52.5°	1305.1	1304.7	1300.7	1299.9	1296.2	1296.0	1293.4	1295.3	1296.1	1304.3	1314.3
55°	1219.7	1217.1	1211.8	1210.1	1208.7	1210.8	1209.8	1209.9	1208.8	1212.3	1215.2
57.5°	1158.3	1155.0	1150.0	1148.4	1148.1	1150.7	1150.8	1149.9	1145.2	1142.1	1137.6
60°	1109.8	1106.5	1101.0	1099.6	1100.4	1103.9	1103.7	1100.8	1094.0	1088.0	1080.9
62.5°	1062.1	1060.8	1057.9	1057.6	1056.9	1057.5	1055.0	1051.9	1045.1	1038.8	1031.2
65°	998.1	998.8	996.8	997.1	994.6	994.2	990.4	987.4	980.5	974.8	967.0
67.5°	931.7	932.2	930.5	930.5	929.3	929.5	927.2	924.3	918.5	913.9	907.8
70°	876.9	878.3	877.3	877.6	876.1	875.5	872.0	869.3	863.2	859.3	853.9
72.5°	811.4	814.4	814.3	815.0	812.6	811.4	807.2	803.8	798.3	795.2	790.9
75°	740.7	744.5	745.6	747.3	743.9	742.1	737.5	734.8	730.3	728.5	725.7
77.5°	671.6	675.8	679.9	683.6	678.1	673.3	667.6	663.1	656.9	654.3	650.0
80°	594.0	601.6	610.4	617.9	608.2	598.3	588.9	581.8	573.4	570.0	564.4
82.5°	492.8	500.5	505.6	510.5	503.6	496.4	487.2	481.0	472.0	468.7	462.2
85°	374.4	383.9	387.0	389.6	385.2	381.4	372.7	361.0	355.4	346.4	341.7
87.5°	246.3	251.9	253.1	254.0	251.2	249.4	243.8	238.3	228.5	221.5	212.9
90°	121.3	123.4	119.6	119.3	117.4	119.4	115.3	115.0	108.6	107.2	101.6
92.5°	40.7	37.9	35.5	33.0	35.9	38.0	40.9	43.0	45.7	47.9	50.7
95°	55.7	52.8	49.9	47.1	49.4	51.7	54.0	56.2	58.5	60.7	63.1
97.5°	77.0	75.2	73.3	71.3	72.6	74.0	75.3	76.6	78.0	79.3	80.7
100°	98.6	97.1	95.6	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
102.5°	160.1	153.7	147.2	140.8	145.1	149.4	153.9	158.2	162.5	166.9	171.3
105°	305.1	287.5	269.8	252.1	269.2	286.4	303.4	320.6	337.6	355.0	372.0
107.5°	556.9	529.0	501.1	473.1	504.4	535.6	566.7	597.8	629.0	660.2	691.5
110°	834.0	807.4	780.9	754.2	787.3	820.3	853.4	886.4	919.6	952.6	985.9



TEST NUMBER: P1444388
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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°	1019.4	1006.5	993.6	980.6	1001.9	1023.2	1044.4	1065.9	1087.2	1108.6	1129.8
115°	1067.6	1066.8	1066.1	1065.3	1075.4	1085.5	1095.5	1105.7	1115.9	1125.9	1136.1
117.5°	1008.7	1015.9	1023.0	1030.3	1033.5	1036.7	1040.1	1043.3	1046.7	1050.1	1053.5
120°	903.7	913.0	922.7	932.4	931.1	929.8	928.6	927.3	926.2	925.0	924.0
122.5°	780.7	790.1	799.8	809.4	806.6	803.7	800.9	798.2	795.6	792.9	790.3
125°	666.0	673.9	682.0	690.1	687.2	684.3	681.6	679.1	676.3	673.7	671.4
127.5°	575.1	580.1	584.9	590.0	588.7	587.3	586.2	585.0	584.0	583.1	582.2
130°	513.0	515.1	517.5	519.7	520.1	520.5	521.0	521.7	522.5	523.2	524.1
132.5°	476.1	476.4	477.0	477.6	479.1	480.6	482.3	484.0	486.0	487.9	490.2
135°	454.8	454.2	453.6	453.2	455.6	457.7	460.2	462.6	465.5	468.2	471.1
137.5°	444.2	443.1	442.3	441.3	443.7	445.9	448.4	450.9	453.5	456.4	459.3
140°	439.1	438.3	437.7	436.9	439.2	441.3	443.9	446.3	449.0	451.7	454.7
142.5°	434.8	434.0	433.4	432.8	434.7	436.8	439.1	441.3	443.9	446.2	448.8
145°	435.3	434.6	434.2	433.7	435.1	436.6	438.2	439.9	441.8	443.6	445.7
147.5°	432.2	431.8	431.5	431.2	432.4	433.4	434.7	435.8	437.2	438.5	440.1
150°	427.3	427.0	426.9	426.9	427.6	428.2	429.1	429.7	430.7	431.5	432.8
152.5°	418.9	418.6	418.7	418.6	419.2	419.9	420.8	421.4	422.3	423.0	424.0
155°	412.8	412.5	412.2	411.9	412.1	412.3	412.6	412.8	413.3	413.6	414.0
157.5°	409.0	408.6	408.4	408.0	408.0	407.9	408.0	408.0	408.1	408.0	408.2
160°	405.4	404.8	404.3	403.8	404.0	404.0	404.2	404.2	404.5	404.7	404.9
162.5°	405.4	405.0	404.8	404.4	404.2	403.8	403.6	403.2	403.0	402.8	402.7
165°	405.0	404.4	403.9	403.3	403.3	403.2	403.1	403.0	402.9	402.8	402.9
167.5°	407.6	406.9	406.4	405.8	405.4	404.9	404.6	404.1	403.8	403.4	403.2
170°	408.0	407.4	407.0	406.5	406.3	406.0	405.9	405.7	405.6	405.5	405.5
172.5°	411.7	411.2	410.8	410.4	410.2	410.0	409.9	409.8	409.7	409.7	409.6
175°	413.9	413.7	413.6	413.5	413.2	413.0	412.7	412.5	412.4	412.1	411.9
177.5°	414.9	414.6	414.4	414.2	414.1	414.1	414.1	414.1	414.1	414.0	413.9
180°	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3



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CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8
2.5°	26530.4	26523.5	26505.1	26496.0	26479.1	26470.5	26457.3	26448.7	26438.0	26430.0	26425.9
5°	27265.5	27231.6	27163.6	27121.7	27048.4	27000.0	26927.1	26873.6	26798.3	26742.8	26671.7
7.5°	28221.9	28169.9	28082.8	28016.7	27914.0	27835.5	27720.3	27628.0	27500.7	27395.0	27264.9
10°	28611.3	28580.9	28541.8	28499.3	28442.4	28386.6	28307.9	28227.7	28120.8	28014.5	27875.5
12.5°	28035.8	28064.4	28120.8	28147.2	28190.2	28204.9	28224.7	28215.4	28197.9	28154.5	28091.5
15°	26405.9	26525.4	26714.1	26844.5	27027.4	27155.8	27325.7	27435.1	27561.1	27636.4	27707.9
17.5°	23724.9	23955.9	24288.8	24554.4	24911.1	25201.0	25556.3	25835.3	26157.5	26404.8	26668.0
20°	20291.0	20614.4	21074.0	21464.4	21981.1	22419.2	22980.6	23450.8	23999.3	24456.5	24950.0
22.5°	16595.1	16975.5	17502.1	17972.9	18590.0	19141.1	19844.4	20466.2	21207.8	21872.0	22606.9
25°	13108.4	13481.2	14017.7	14505.3	15171.3	15778.4	16546.8	17260.1	18120.6	18923.1	19844.4
27.5°	10118.5	10449.6	10921.2	11360.0	11970.1	12566.1	13345.8	14106.5	15024.7	15887.1	16880.0
30°	7814.3	8083.0	8460.9	8813.8	9303.6	9791.0	10485.6	11189.0	12102.8	12996.4	14014.3
32.5°	6055.8	6285.0	6600.4	6886.9	7264.3	7631.8	8143.3	8705.5	9506.9	10362.9	11347.1
35°	4687.9	4883.9	5152.4	5399.2	5709.5	6001.3	6383.0	6784.2	7395.9	8115.9	8996.6
37.5°	3737.4	3817.3	4009.0	4211.2	4469.0	4708.7	5007.3	5304.0	5741.6	6309.7	7029.2
40°	2842.3	2969.2	3125.1	3284.4	3479.5	3671.9	3999.5	4157.2	4445.3	4853.1	5411.6
42.5°	2293.4	2382.6	2492.3	2603.1	2739.1	2873.0	3038.7	3207.5	3422.8	3699.1	4096.3
45°	1919.1	1977.3	2048.1	2121.8	2211.2	2302.5	2413.5	2529.4	2675.4	2845.2	3086.4
47.5°	1669.1	1701.3	1747.5	1797.8	1859.1	1922.3	1994.5	2068.3	2159.1	2259.8	2397.1
50°	1473.9	1500.8	1536.7	1570.4	1612.6	1677.5	1706.1	1746.9	1801.4	1860.7	1937.5
52.5°	1332.8	1350.6	1373.1	1392.5	1419.3	1443.5	1475.4	1503.4	1541.1	1576.8	1626.4
55°	1222.8	1229.3	1242.1	1254.5	1273.0	1289.6	1311.4	1329.8	1353.9	1375.2	1406.4
57.5°	1137.8	1138.5	1144.4	1150.9	1162.8	1173.2	1188.2	1200.3	1217.0	1230.6	1249.3
60°	1076.8	1073.6	1074.8	1077.0	1083.8	1090.5	1100.1	1108.0	1118.5	1126.1	1136.7
62.5°	1026.1	1020.9	1019.8	1019.2	1022.5	1024.9	1030.2	1034.0	1040.0	1043.3	1049.0
65°	961.9	955.9	953.5	950.8	951.8	951.0	952.9	953.0	956.0	956.7	960.0
67.5°	903.7	898.7	895.7	892.0	890.2	887.6	886.4	883.9	883.5	881.3	880.8
70°	850.6	845.7	843.1	839.7	838.0	834.4	832.2	827.9	825.4	821.3	819.1
72.5°	789.2	786.4	785.7	783.3	782.7	780.8	779.9	776.8	775.0	771.6	769.7
75°	725.1	722.7	722.5	720.2	720.0	717.7	717.1	713.9	712.2	708.7	707.2
77.5°	648.6	645.3	644.2	641.5	642.2	641.0	642.0	639.5	638.5	635.1	634.0
80°	562.5	558.2	556.4	552.7	553.7	552.1	553.7	553.5	554.8	552.1	551.6
82.5°	460.5	455.8	454.9	452.3	454.0	454.3	457.9	455.9	456.7	454.2	455.2
85°	335.1	331.6	326.6	326.0	322.8	326.1	321.9	324.7	320.1	323.3	318.9
87.5°	207.8	200.5	196.7	191.4	189.5	184.4	182.4	178.8	179.8	178.2	179.1
90°	101.6	96.8	97.9	95.1	97.2	95.1	98.2	97.5	100.9	100.1	103.8
92.5°	52.9	55.3	59.7	64.6	69.0	73.6	78.0	82.8	87.3	92.0	96.4
95°	65.3	67.6	73.7	79.7	85.9	91.9	98.1	104.1	110.3	116.3	122.4
97.5°	82.0	83.3	89.4	95.6	101.6	107.7	113.8	120.1	126.1	132.3	138.3
100°	94.0	94.1	111.4	128.7	146.0	163.4	180.7	198.0	215.4	232.8	250.0
102.5°	175.7	180.0	223.7	267.5	311.2	354.9	398.7	442.4	486.1	530.0	573.8
105°	389.2	406.3	473.0	539.8	606.4	673.2	740.0	806.9	873.6	940.4	1007.2
107.5°	722.6	753.9	814.3	874.6	934.7	995.2	1055.6	1116.0	1176.2	1236.6	1297.2
110°	1018.9	1052.1	1092.4	1132.9	1173.4	1213.7	1254.3	1294.7	1335.3	1375.8	1416.3



TEST NUMBER: P1444388
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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°	1151.2	1172.7	1196.2	1219.8	1243.4	1267.0	1290.5	1314.1	1337.9	1361.6	1385.4
115°	1146.4	1156.6	1165.6	1175.0	1184.1	1193.4	1202.6	1212.1	1221.5	1230.9	1240.3
117.5°	1056.8	1060.5	1061.8	1063.4	1064.8	1066.5	1068.1	1069.7	1071.5	1073.3	1074.8
120°	922.9	921.9	920.4	918.9	917.4	916.1	914.9	913.5	912.3	911.1	909.7
122.5°	787.7	785.4	783.9	782.6	781.4	780.2	778.8	777.8	776.7	775.6	774.4
125°	668.9	666.5	668.0	669.4	670.9	672.4	673.9	675.5	677.1	678.8	680.5
127.5°	581.3	580.7	584.2	587.7	591.5	595.2	598.9	602.7	606.4	610.3	614.0
130°	525.1	526.2	530.7	535.4	540.0	544.9	549.6	554.4	559.1	563.8	568.6
132.5°	492.2	494.6	498.8	503.5	507.9	512.6	517.1	521.8	526.3	531.0	535.4
135°	474.0	477.1	481.1	485.3	489.5	493.7	497.8	502.2	506.2	510.5	514.5
137.5°	462.1	465.2	468.6	471.9	475.1	478.8	482.1	485.6	488.8	492.3	495.5
140°	457.5	460.5	462.3	464.5	466.5	468.5	470.3	472.4	474.2	476.4	478.3
142.5°	451.4	454.4	455.5	456.8	458.0	459.5	460.8	462.1	463.3	464.4	465.7
145°	447.6	449.7	449.8	450.1	450.4	450.7	450.8	451.0	451.1	451.3	451.4
147.5°	441.6	443.3	443.0	443.1	443.0	442.7	442.6	442.5	442.2	442.2	442.0
150°	433.7	434.9	434.3	434.0	433.4	433.1	432.5	432.2	431.5	431.2	430.6
152.5°	424.8	425.8	425.0	424.7	424.0	423.5	422.8	422.4	421.7	421.2	420.7
155°	414.3	414.8	414.4	414.1	413.8	413.5	413.1	413.0	412.8	412.5	412.3
157.5°	408.3	408.4	408.2	408.0	407.7	407.6	407.5	407.4	407.3	407.4	407.4
160°	405.0	405.3	405.0	404.8	404.6	404.4	404.3	404.3	404.2	404.4	404.4
162.5°	402.4	402.3	402.0	401.8	401.7	401.6	401.5	401.6	401.6	401.7	401.8
165°	403.0	403.2	402.6	402.4	402.1	401.8	401.5	401.3	401.3	401.2	401.1
167.5°	402.9	402.7	402.7	402.8	402.8	402.9	403.0	403.4	403.5	403.9	403.9
170°	405.4	405.5	405.2	405.1	404.9	404.8	404.8	404.7	404.6	404.6	404.5
172.5°	409.6	409.6	409.1	408.7	408.4	408.1	407.7	407.4	407.1	406.8	406.4
175°	411.6	411.4	411.2	411.0	410.8	410.5	410.4	410.0	409.8	409.6	409.4
177.5°	413.8	413.6	413.5	413.5	413.4	413.3	413.3	413.2	413.2	413.2	413.0
180°	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3



TEST NUMBER: P1444388
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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°	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8
2.5°	26420.6	26420.3	26417.7	26418.9	26419.5	26421.3	26423.6	26425.9	26426.4	26428.2	26428.6
5°	26618.3	26552.9	26504.6	26451.4	26411.5	26375.5	26351.5	26332.5	26325.1	26326.9	26331.4
7.5°	27154.5	27019.6	26908.2	26781.7	26676.1	26564.3	26471.7	26383.6	26319.5	26271.6	26244.9
10°	27742.9	27578.5	27421.3	27238.2	27064.4	26879.0	26711.0	26541.8	26400.9	26278.4	26188.5
12.5°	28004.0	27887.8	27751.8	27579.0	27393.1	27179.1	26963.1	26731.4	26516.0	26316.0	26154.8
15°	27727.5	27727.7	27678.2	27595.2	27466.1	27295.1	27089.2	26847.8	26593.6	26334.3	26097.4
17.5°	26850.0	27015.6	27107.6	27165.9	27148.0	27085.0	26954.0	26768.6	26531.7	26255.4	25966.3
20°	25343.0	25733.5	26011.9	26262.3	26402.6	26495.8	26486.6	26411.1	26242.4	26007.5	25706.4
22.5°	23231.9	23887.4	24404.6	24886.9	25225.1	25500.3	25631.1	25686.6	25610.1	25446.6	25163.9
25°	20667.9	21559.0	22319.6	23057.7	23611.3	24087.2	24373.1	24574.6	24590.6	24505.1	24252.8
27.5°	17818.6	18870.6	19833.2	20814.2	21592.8	22276.8	22725.6	23054.1	23158.5	23144.7	22915.7
30°	14973.2	16077.5	17138.6	18282.4	19245.9	20119.8	20712.7	21156.9	21328.1	21360.9	21140.6
32.5°	12285.8	13374.9	14432.9	15628.8	16689.1	17690.6	18391.0	18918.9	19117.9	19164.7	18923.1
35°	9846.9	10851.7	11857.2	13016.2	14070.3	15107.5	15845.5	16398.1	16584.0	16615.3	16335.6
37.5°	7732.0	8588.0	9464.2	10504.1	11472.1	12446.2	13147.5	13666.7	13802.1	13793.7	13477.1
40°	5951.2	6616.7	7320.7	8176.8	8981.6	9805.1	10397.2	10826.5	10897.6	10844.9	10512.4
42.5°	4474.9	4955.6	5466.1	6105.1	6702.3	7318.5	7749.3	8068.1	8078.2	7994.8	7696.2
45°	3333.8	3802.8	4016.8	4403.2	4787.8	5197.7	5460.7	5657.6	5627.1	5553.7	5326.9
47.5°	2541.5	2721.7	2912.9	3152.4	3376.5	3841.5	3807.1	4123.2	3895.4	4050.7	3709.0
50°	2018.2	2118.9	2221.9	2349.1	2466.1	2587.7	2663.7	2720.4	2713.0	2688.6	2623.1
52.5°	1717.0	1748.1	1798.8	1871.2	1936.6	2002.3	2045.5	2080.7	2081.4	2071.6	2038.4
55°	1435.0	1474.6	1511.0	1558.3	1638.7	1651.1	1713.2	1700.6	1705.5	1688.3	1705.9
57.5°	1265.3	1288.2	1308.8	1336.9	1360.1	1387.3	1403.3	1418.8	1417.2	1413.9	1397.1
60°	1144.9	1157.6	1169.0	1185.5	1198.2	1213.5	1220.9	1228.8	1226.2	1220.5	1205.5
62.5°	1052.2	1060.2	1066.6	1077.2	1085.0	1094.6	1098.4	1101.7	1098.4	1092.9	1079.7
65°	960.7	965.8	970.0	977.9	983.4	991.5	994.8	997.9	994.9	990.6	980.5
67.5°	878.1	878.6	878.2	881.5	883.2	888.1	889.5	891.9	888.2	884.6	876.1
70°	815.6	814.3	812.7	814.0	814.3	816.6	817.0	816.6	812.4	806.1	796.8
72.5°	766.6	765.9	764.7	765.8	765.8	767.9	767.3	766.2	761.0	754.9	745.7
75°	703.7	703.3	700.9	701.0	699.0	699.6	697.1	695.7	689.9	684.7	676.5
77.5°	630.1	628.9	625.5	624.2	620.4	618.9	614.1	611.8	605.8	601.7	594.6
80°	548.0	546.7	542.2	539.8	533.9	530.1	523.1	519.0	512.3	508.2	501.4
82.5°	452.9	453.4	449.0	446.0	437.5	431.0	421.6	416.5	409.0	405.1	397.9
85°	322.2	317.5	320.0	319.8	314.5	308.9	301.2	295.8	289.5	285.7	280.8
87.5°	176.7	177.8	176.5	175.4	171.6	168.8	162.9	159.7	155.1	152.8	149.0
90°	96.6	93.8	86.8	84.2	77.4	73.2	65.6	62.1	54.9	53.2	48.8
92.5°	91.2	86.1	81.1	75.8	70.9	65.8	60.6	55.5	50.3	48.4	46.9
95°	115.0	107.7	100.3	92.8	85.5	78.0	70.7	63.3	55.9	54.4	52.9
97.5°	129.7	121.0	112.2	103.5	94.8	86.1	77.4	68.7	59.9	59.0	58.0
100°	230.0	209.9	189.7	169.6	149.5	129.5	109.4	89.3	69.2	68.1	66.9
102.5°	525.0	476.2	427.6	378.9	330.2	281.4	232.8	183.9	135.2	128.1	121.2
105°	933.4	859.6	786.0	712.3	638.4	564.6	491.0	417.0	343.3	319.7	295.8
107.5°	1227.9	1158.4	1089.2	1019.9	950.5	881.3	811.7	742.3	672.9	631.2	589.6
110°	1361.2	1306.2	1251.4	1196.3	1141.3	1086.2	1031.2	976.1	921.0	885.0	849.3



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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°	1345.1	1304.7	1264.6	1224.1	1184.0	1143.5	1103.1	1062.7	1022.2	1000.5	978.6
115°	1215.9	1191.7	1167.5	1143.2	1119.0	1094.7	1070.3	1045.9	1021.5	1010.0	998.5
117.5°	1062.6	1050.2	1037.9	1025.3	1012.9	1000.4	988.0	975.5	963.0	959.1	954.9
120°	906.3	902.6	898.6	894.9	891.1	887.3	883.4	879.5	875.6	876.1	876.6
122.5°	775.9	777.3	778.9	780.2	781.8	783.0	784.5	785.6	787.0	790.0	793.2
125°	684.0	687.5	691.3	694.8	698.3	701.8	705.5	708.8	712.5	715.5	718.7
127.5°	618.1	622.0	626.2	630.1	634.4	638.2	642.2	646.1	650.1	652.9	655.7
130°	572.1	575.5	579.2	582.5	586.0	589.5	592.9	596.4	599.9	602.0	604.2
132.5°	538.6	541.7	545.0	547.9	551.1	554.1	557.4	560.4	563.6	565.1	567.0
135°	517.0	519.2	521.6	523.8	526.4	528.6	531.0	533.4	535.9	537.0	538.2
137.5°	497.4	499.3	501.3	503.1	505.2	507.0	509.0	511.1	513.3	513.7	514.4
140°	480.2	482.2	484.2	486.2	488.5	490.4	492.7	494.8	497.1	497.5	498.3
142.5°	467.3	468.8	470.4	472.0	473.6	475.2	477.1	479.0	480.8	481.3	481.9
145°	453.3	455.2	457.2	459.0	460.8	462.8	465.1	467.3	469.5	469.7	470.2
147.5°	443.6	445.2	446.9	448.4	450.2	451.8	453.8	455.8	457.8	458.0	458.4
150°	432.5	434.1	435.9	437.5	439.4	441.3	443.5	445.5	447.8	448.3	448.9
152.5°	422.5	424.3	426.2	428.2	430.2	432.4	434.6	436.8	439.1	439.5	440.2
155°	414.2	415.9	417.9	419.9	422.0	423.9	426.1	428.2	430.4	431.2	431.9
157.5°	409.1	410.7	412.6	414.4	416.1	417.9	420.0	421.9	423.9	424.5	425.1
160°	405.9	407.4	409.0	410.7	412.3	413.9	415.6	417.3	419.0	419.6	420.2
162.5°	403.3	404.8	406.5	407.8	409.6	411.2	413.0	414.5	416.2	416.7	417.2
165°	402.2	403.4	404.5	405.6	406.8	407.9	409.3	410.5	411.8	412.3	413.0
167.5°	405.0	405.7	406.6	407.5	408.5	409.5	410.6	411.4	412.5	413.0	413.6
170°	405.4	406.1	406.9	407.8	408.6	409.6	410.5	411.2	412.3	412.8	413.4
172.5°	407.0	407.4	408.0	408.5	409.1	409.7	410.3	410.9	411.5	412.2	412.8
175°	409.8	410.0	410.3	410.5	410.7	411.0	411.4	411.7	412.0	412.5	413.0
177.5°	413.2	413.4	413.6	413.8	414.1	414.3	414.6	414.8	415.1	415.7	416.3
180°	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3



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CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8
2.5°	26427.7	26427.5	26426.6	26425.4	26424.2	26424.9	26426.1	26429.1	26434.5	26442.2	26452.1
5°	26335.0	26340.4	26343.5	26343.9	26341.1	26339.4	26342.0	26349.2	26363.9	26388.5	26421.7
7.5°	26237.7	26244.4	26254.6	26262.3	26263.8	26261.8	26262.3	26273.7	26300.7	26348.5	26415.7
10°	26133.8	26114.1	26124.5	26143.6	26158.7	26161.5	26163.4	26176.8	26216.3	26288.6	26396.4
12.5°	26038.0	25975.4	25963.4	25980.5	26003.5	26010.9	26008.9	26014.6	26061.0	26156.6	26307.0
15°	25911.7	25794.1	25753.9	25758.4	25786.7	25797.0	25789.5	25778.1	25823.2	25940.1	26134.5
17.5°	25707.5	25517.9	25444.0	25440.7	25473.9	25482.8	25464.5	25429.1	25473.5	25619.4	25860.9
20°	25397.1	25117.1	24978.0	24955.9	24991.9	24981.4	24945.0	24891.5	24949.8	25127.1	25414.3
22.5°	24839.1	24484.3	24246.6	24169.9	24213.1	24184.2	24131.0	24062.8	24140.3	24341.8	24661.6
25°	23927.1	23517.2	23191.8	23009.1	23043.5	22992.0	22934.1	22851.3	22943.8	23175.0	23527.1
27.5°	22586.7	22113.2	21709.8	21407.7	21418.7	21351.1	21284.5	21177.4	21292.8	21566.5	21963.5
30°	20804.3	20256.4	19765.2	19354.4	19317.7	19252.1	19183.8	19043.4	19187.7	19515.4	19979.3
32.5°	18565.8	17957.5	17390.0	16870.7	16772.7	16708.7	16647.9	16486.2	16675.2	17057.2	17590.3
35°	15948.1	15300.1	14684.8	14091.6	13929.3	13865.4	13812.2	13657.2	13893.2	14308.9	14884.6
37.5°	13074.7	12412.8	11802.0	11193.6	10964.3	10877.5	10838.9	10737.4	11009.7	11420.9	11998.8
40°	10124.9	9509.4	8961.8	8424.5	8163.1	8030.3	8010.0	7991.6	8254.8	8611.6	9136.2
42.5°	7365.5	6869.0	6446.7	6036.0	5799.0	5617.7	5617.6	5672.7	5909.7	6176.9	6581.5
45°	5094.9	4761.7	4492.7	4218.2	4291.6	3930.2	4142.6	4033.5	4150.6	4323.0	4586.0
47.5°	3502.2	3320.4	3172.6	3019.2	2907.5	2800.8	2810.2	2879.0	2989.3	3091.5	3228.4
50°	2552.6	2459.9	2384.7	2305.1	2249.5	2202.3	2205.1	2234.8	2292.9	2346.7	2418.4
52.5°	2000.1	1949.0	1908.1	1864.1	1834.9	1811.6	1812.8	1827.2	1858.6	1889.4	1930.4
55°	1648.6	1642.5	1589.3	1549.7	1534.7	1518.9	1521.8	1527.5	1548.8	1566.9	1594.0
57.5°	1381.5	1357.6	1341.7	1320.9	1311.3	1300.3	1302.8	1304.9	1319.2	1331.3	1350.8
60°	1192.9	1176.0	1164.7	1150.6	1144.3	1137.2	1138.9	1140.2	1149.3	1157.1	1171.1
62.5°	1067.6	1052.5	1042.7	1031.7	1027.4	1022.6	1023.7	1024.0	1029.8	1035.5	1046.2
65°	971.5	959.6	951.4	941.9	937.3	932.4	932.9	932.9	937.7	941.9	949.9
67.5°	869.9	860.9	855.5	848.1	844.9	839.9	839.8	838.3	841.4	843.0	848.5
70°	788.3	779.1	772.4	765.2	761.3	756.9	757.0	757.1	760.7	764.5	771.5
72.5°	737.9	729.2	723.2	716.9	713.2	709.4	708.7	708.3	710.9	713.1	717.7
75°	671.2	664.2	660.7	654.7	651.8	647.6	646.9	645.0	646.3	646.7	650.1
77.5°	590.3	583.6	580.8	574.8	572.3	567.6	567.2	564.9	565.9	565.2	567.9
80°	497.9	492.0	490.4	485.4	484.3	479.9	479.2	476.6	477.3	475.2	476.2
82.5°	394.9	389.5	388.3	383.7	383.7	379.7	379.5	375.4	375.4	372.0	366.6
85°	278.2	274.1	272.5	268.8	267.7	264.5	262.7	258.9	257.6	255.1	254.4
87.5°	146.8	144.3	142.0	140.3	137.0	131.2	130.7	126.6	126.9	124.1	124.3
90°	47.4	43.5	42.3	38.6	37.1	34.3	33.1	33.7	34.8	35.6	36.9
92.5°	45.2	43.5	41.9	40.2	38.4	36.7	35.0	36.7	38.4	40.2	41.9
95°	51.4	49.8	48.3	46.8	45.3	43.8	42.3	43.8	45.3	46.9	48.4
97.5°	57.1	56.1	55.2	54.2	53.3	52.3	51.4	52.4	53.4	54.3	55.3
100°	65.8	64.7	63.5	62.4	61.2	60.0	58.9	60.2	61.4	62.6	63.7
102.5°	114.2	107.2	100.2	93.1	86.1	79.1	72.0	79.1	86.1	93.2	100.3
105°	272.1	248.5	224.7	201.0	177.3	153.5	129.8	153.6	177.4	201.1	224.9
107.5°	547.7	506.1	464.3	422.7	380.7	339.0	297.3	339.1	380.9	422.8	464.5
110°	813.2	777.1	741.2	705.2	669.1	633.1	597.0	633.2	669.3	705.4	741.5



TEST NUMBER: P1444388
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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°	956.7	934.9	912.9	891.1	869.2	847.3	825.3	847.5	869.6	891.7	913.5
115°	987.0	975.4	963.9	952.3	940.7	929.1	917.3	929.4	941.2	952.9	964.7
117.5°	950.9	946.9	942.7	938.7	934.5	930.4	926.2	930.6	935.0	939.6	943.7
120°	876.9	877.5	877.8	878.1	878.5	878.8	879.0	879.2	879.2	879.2	879.1
122.5°	796.1	799.1	802.0	805.0	807.8	810.7	813.4	811.1	808.6	806.3	803.6
125°	721.6	724.9	727.9	730.9	733.8	736.9	739.5	737.4	735.0	732.4	729.8
127.5°	658.6	661.4	664.0	666.9	669.5	671.9	674.3	672.5	670.5	668.4	666.0
130°	606.3	608.6	610.5	612.6	614.5	616.3	617.9	616.9	615.6	614.4	612.8
132.5°	568.5	570.2	571.7	573.3	574.5	576.0	576.9	576.6	575.8	575.2	574.1
135°	539.3	540.4	541.3	542.5	543.2	544.1	544.6	544.8	544.6	544.4	543.9
137.5°	515.0	515.7	516.1	516.4	516.8	517.0	517.0	517.7	518.1	518.6	518.7
140°	498.8	499.6	500.1	500.5	500.9	501.3	501.2	502.0	502.3	502.7	502.8
142.5°	482.6	483.2	483.6	484.1	484.4	484.7	484.7	485.4	485.8	486.1	486.3
145°	470.6	470.9	471.2	471.5	471.5	471.6	471.3	472.3	472.8	473.4	473.9
147.5°	458.7	459.1	459.2	459.4	459.4	459.5	459.3	460.1	460.7	461.3	461.8
150°	449.6	450.2	450.8	451.2	451.6	451.9	451.9	452.5	452.8	453.1	453.2
152.5°	440.7	441.2	441.8	442.2	442.5	442.7	442.9	443.4	443.9	444.3	444.5
155°	432.5	433.2	433.8	434.4	434.8	435.3	435.6	436.0	436.3	436.5	436.7
157.5°	425.6	426.3	426.8	427.4	427.8	428.4	428.8	429.2	429.5	429.9	430.1
160°	420.7	421.4	421.8	422.4	422.9	423.4	423.8	424.2	424.6	424.9	425.3
162.5°	417.7	418.3	418.6	419.2	419.7	420.2	420.7	421.1	421.5	421.9	422.2
165°	413.7	414.4	414.9	415.6	416.3	417.0	417.5	417.7	417.8	418.0	418.1
167.5°	414.2	414.9	415.3	416.0	416.5	417.2	417.8	418.0	418.0	418.1	418.2
170°	413.8	414.4	414.9	415.4	416.0	416.6	417.0	417.1	417.2	417.3	417.4
172.5°	413.3	414.1	414.7	415.5	416.0	416.6	417.2	417.2	417.0	416.9	416.6
175°	413.4	414.1	414.6	415.2	415.6	416.2	416.8	416.5	416.4	416.2	416.0
177.5°	417.0	417.8	418.4	419.0	419.7	420.2	421.0	420.3	419.9	419.4	418.8
180°	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3



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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°	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8
2.5°	26466.3	26479.6	26499.8	26518.1	26545.8	26567.6	26600.4	26625.2	26662.1	26686.1	26726.3
5°	26468.7	26520.5	26588.6	26655.0	26734.9	26807.4	26897.5	26974.3	27064.9	27138.8	27231.4
7.5°	26506.1	26605.9	26725.6	26846.3	26982.6	27110.2	27253.9	27384.1	27526.2	27646.6	27778.1
10°	26533.7	26687.7	26864.1	27041.6	27228.4	27401.9	27577.2	27728.6	27870.1	27986.5	28089.5
12.5°	26496.2	26708.4	26934.8	27153.3	27361.1	27540.7	27691.4	27807.9	27888.3	27942.8	27955.6
15°	26369.0	26624.3	26870.4	27088.0	27260.5	27393.3	27462.2	27494.4	27459.8	27402.4	27276.2
17.5°	26131.3	26400.6	26620.5	26792.3	26883.4	26919.4	26862.4	26763.3	26569.5	26354.4	26043.7
20°	25695.5	25946.3	26106.0	26199.6	26175.2	26085.1	25869.9	25608.3	25221.4	24809.1	24264.9
22.5°	24931.0	25150.3	25235.4	25242.4	25093.6	24868.0	24479.9	24031.2	23420.8	22786.2	22005.9
25°	23783.5	23975.7	23989.1	23913.6	23641.5	23275.8	22705.8	22071.2	21241.8	20396.2	19418.3
27.5°	22227.3	22411.5	22366.4	22225.6	21847.9	21358.6	20628.8	19808.9	18786.4	17787.7	16705.9
30°	20271.0	20468.1	20415.1	20234.5	19785.2	19206.8	18348.2	17395.5	16260.2	15193.6	14097.4
32.5°	17929.9	18179.1	18142.4	17970.8	17501.9	16883.0	15951.3	14940.9	13779.4	12728.3	11662.0
35°	15268.9	15571.4	15587.0	15474.8	15039.5	14427.8	13507.8	12529.9	11417.3	10425.6	9440.5
37.5°	12402.0	12752.8	12824.7	12794.4	12433.7	11893.7	11055.5	10178.1	9192.6	8323.3	7480.8
40°	9519.3	9874.3	9997.4	10033.9	9767.7	9349.5	8661.5	7953.3	7149.9	6445.6	5776.6
42.5°	6890.4	7205.1	7324.0	7398.9	7232.7	6953.8	6451.9	5937.8	5349.1	4841.1	4354.0
45°	4785.5	5008.1	5098.6	5174.0	5083.4	4926.1	4609.2	4287.5	3899.0	3567.0	3252.8
47.5°	3345.8	3468.5	3528.3	3564.9	3529.8	3447.8	3275.3	3089.0	2869.6	2675.7	2489.1
50°	2479.9	2545.3	2576.6	2597.7	2572.1	2526.5	2433.2	2331.8	2211.3	2101.4	1994.0
52.5°	1965.3	2002.8	2021.3	2032.7	2018.1	1990.2	1935.9	1875.7	1803.5	1735.6	1699.9
55°	1655.7	1653.8	1696.6	1675.9	1696.6	1650.3	1640.6	1574.5	1514.5	1472.3	1426.6
57.5°	1365.4	1384.9	1393.1	1402.3	1396.4	1387.9	1364.8	1341.1	1309.5	1283.0	1254.8
60°	1181.9	1197.9	1207.0	1216.1	1215.5	1212.4	1199.0	1184.9	1165.1	1149.3	1132.2
62.5°	1055.5	1069.3	1078.3	1087.1	1087.9	1086.6	1076.5	1066.6	1053.2	1043.2	1031.5
65°	956.0	965.8	971.9	978.8	978.5	976.6	967.4	959.4	948.3	941.3	932.7
67.5°	852.0	859.4	864.1	870.7	872.0	872.4	867.3	863.5	858.1	856.1	853.2
70°	778.0	786.9	794.5	802.9	807.4	809.5	807.4	805.4	802.3	800.9	798.6
72.5°	722.0	729.6	735.5	743.0	747.3	750.3	748.6	747.6	744.8	744.4	742.8
75°	652.4	657.7	661.0	666.6	669.0	671.8	670.5	671.2	670.3	672.5	672.4
77.5°	568.8	572.6	574.2	578.4	578.8	582.2	582.9	586.9	589.9	596.1	599.4
80°	474.6	477.1	477.1	481.3	483.2	489.0	491.8	498.3	501.4	507.0	507.4
82.5°	368.7	365.9	368.7	367.0	372.3	378.9	379.7	385.3	386.5	390.2	387.4
85°	252.0	251.8	249.6	250.0	248.3	249.1	248.1	249.2	248.2	248.3	245.8
87.5°	120.8	121.9	119.2	120.1	117.5	118.8	116.4	118.3	115.5	115.9	112.0
90°	37.8	38.9	40.0	41.2	42.7	45.8	49.1	52.4	56.0	59.0	62.5
92.5°	43.5	45.3	47.0	48.7	50.4	55.6	60.7	65.9	71.1	76.1	81.2
95°	49.9	51.5	53.0	54.7	56.2	63.6	71.0	78.4	85.9	93.2	100.7
97.5°	56.4	57.4	58.3	59.3	60.3	69.1	77.8	86.6	95.4	104.0	112.7
100°	65.0	66.1	67.2	68.5	69.6	89.8	109.9	130.1	150.1	170.2	190.3
102.5°	107.4	114.4	121.5	128.6	135.7	184.5	233.4	282.1	330.8	379.6	428.3
105°	248.7	272.4	296.3	320.2	343.9	417.7	491.7	565.5	639.2	713.1	786.9
107.5°	506.4	548.2	590.2	631.9	673.7	743.2	812.6	882.1	951.6	1021.0	1090.2
110°	777.7	813.7	850.0	886.0	922.1	977.2	1032.5	1087.5	1142.7	1197.8	1252.9



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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°	935.7	957.6	979.6	1001.5	1023.5	1064.0	1104.7	1145.1	1185.7	1225.8	1266.3
115°	976.5	988.0	999.7	1011.3	1023.1	1047.6	1072.0	1096.5	1121.0	1145.3	1169.8
117.5°	948.1	952.3	956.5	960.6	964.8	977.4	990.1	1002.7	1015.4	1028.0	1040.5
120°	879.0	878.7	878.5	878.1	877.9	881.9	886.0	889.9	894.0	897.8	901.6
122.5°	801.0	798.1	795.5	792.6	789.8	788.4	787.4	786.0	785.0	783.6	782.4
125°	727.1	724.3	721.4	718.5	715.5	712.2	708.8	705.4	702.0	698.5	695.1
127.5°	663.9	661.3	659.0	656.4	653.7	649.8	646.0	642.0	638.4	634.3	630.4
130°	611.3	609.4	607.7	605.6	604.0	600.5	597.2	593.8	590.5	587.0	583.8
132.5°	573.2	571.9	570.8	569.2	568.0	564.8	562.2	559.0	556.0	552.9	550.0
135°	543.5	542.8	542.3	541.4	540.6	538.2	536.1	533.8	531.6	529.3	527.1
137.5°	518.9	518.7	518.5	518.3	518.2	516.3	514.5	512.6	510.9	508.8	507.2
140°	502.9	502.8	502.8	502.5	502.3	500.3	498.4	496.4	494.5	492.4	490.5
142.5°	486.4	486.4	486.3	486.1	486.0	484.4	483.0	481.6	480.0	478.5	477.0
145°	474.1	474.3	474.6	474.5	474.8	472.9	471.2	469.2	467.7	465.8	464.0
147.5°	462.2	462.4	462.8	462.9	463.3	461.7	460.3	458.7	457.4	455.8	454.5
150°	453.3	453.4	453.5	453.4	453.4	451.8	450.4	448.7	447.3	445.6	444.2
152.5°	444.6	444.8	445.0	445.1	445.3	443.7	442.0	440.3	438.7	436.9	435.3
155°	436.9	437.0	437.1	437.1	437.1	435.6	434.1	432.5	430.9	429.3	427.8
157.5°	430.3	430.5	430.7	430.8	430.9	429.6	428.3	426.9	425.6	424.2	422.9
160°	425.5	425.8	426.0	426.1	426.3	425.2	424.2	422.9	422.0	420.6	419.3
162.5°	422.5	422.8	423.0	423.1	423.3	422.2	421.3	420.0	418.9	417.6	416.5
165°	418.4	418.3	418.4	418.3	418.3	417.6	416.9	416.2	415.4	414.6	413.8
167.5°	418.4	418.3	418.4	418.3	418.3	417.7	417.5	416.8	416.2	415.7	415.1
170°	417.5	417.5	417.4	417.3	417.3	416.7	416.3	415.7	415.3	414.6	414.0
172.5°	416.5	416.2	416.1	415.9	415.6	415.2	414.9	414.6	414.3	413.9	413.5
175°	415.7	415.4	415.3	415.0	414.7	414.6	414.4	414.3	414.1	414.0	413.8
177.5°	418.5	418.0	417.4	417.0	416.5	416.3	416.2	416.0	416.0	415.9	415.7
180°	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3



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CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8
2.5°	26751.2	26586.0	26564.1	26575.7	26603.4	26613.6	26643.4	26651.5	26681.5	26688.9	26717.7
5°	27303.1	27084.8	27095.7	27148.2	27227.7	27275.1	27353.2	27394.0	27468.6	27502.5	27570.0
7.5°	27885.2	27713.7	27767.2	27855.8	27964.4	28039.7	28133.5	28194.7	28275.6	28325.8	28390.5
10°	28171.0	28124.1	28182.9	28252.6	28314.6	28363.1	28402.9	28434.7	28455.6	28475.2	28483.7
12.5°	27953.5	28026.3	28036.3	28029.5	27988.4	27957.1	27886.6	27838.7	27753.8	27702.0	27600.8
15°	27147.3	27307.2	27218.7	27084.6	26888.4	26725.0	26494.0	26322.1	26081.5	25918.5	25677.1
17.5°	25732.4	25934.2	25703.6	25393.4	24998.8	24661.3	24240.9	23907.3	23489.4	23185.4	22795.4
20°	23740.6	23929.1	23517.7	23003.5	22393.1	21879.5	21273.8	20790.4	20227.6	19808.9	19303.6
22.5°	21260.5	21394.8	20815.2	20122.0	19344.4	18702.7	17978.5	17399.1	16756.7	16278.0	15739.2
25°	18516.8	18553.1	17857.7	17059.2	16192.4	15471.3	14698.1	14088.9	13433.7	12948.6	12419.8
27.5°	15747.5	15694.4	14942.8	14096.0	13184.4	12434.8	11680.7	11109.8	10536.0	10099.0	9643.4
30°	13133.6	13005.0	12224.6	11354.3	10469.4	9797.5	9171.4	8713.0	8256.5	7909.9	7544.2
32.5°	10736.8	10555.1	9795.6	8980.2	8234.5	7716.0	7251.8	6904.9	6536.3	6243.5	5936.6
35°	8613.7	8420.2	7747.3	7056.0	6491.7	6109.5	5744.6	5460.0	5147.0	4900.0	4633.4
37.5°	6791.7	6633.1	6069.4	5525.5	5098.6	4802.4	4503.5	4270.9	4012.2	3903.5	3618.7
40°	5243.2	5132.3	4691.5	4290.6	3970.0	3830.9	3527.5	3310.1	3116.9	2957.5	2803.1
42.5°	4089.8	4050.5	3621.6	3308.9	3083.1	2907.8	2738.7	2601.4	2467.8	2357.9	2254.1
45°	3001.3	2970.2	2779.8	2599.3	2445.5	2322.9	2208.6	2114.2	2026.9	1954.4	1888.5
47.5°	2337.0	2327.2	2217.5	2105.6	2008.6	1929.9	1855.8	1793.1	1735.1	1686.7	1671.0
50°	1900.9	1899.5	1835.2	1766.2	1697.1	1651.6	1604.3	1567.2	1529.9	1501.0	1470.3
52.5°	1615.1	1608.1	1564.7	1522.0	1481.0	1451.1	1420.9	1397.3	1372.5	1354.7	1335.6
55°	1390.4	1397.8	1372.6	1347.2	1321.6	1303.0	1281.7	1266.1	1249.2	1237.9	1226.4
57.5°	1234.4	1244.1	1231.0	1216.5	1200.9	1188.7	1174.1	1163.3	1152.0	1144.7	1138.1
60°	1120.9	1131.5	1126.1	1118.9	1109.3	1102.0	1092.6	1086.7	1079.4	1075.4	1071.7
62.5°	1024.5	1037.9	1035.9	1032.5	1026.4	1022.3	1017.2	1014.5	1009.7	1008.0	1006.2
65°	928.5	943.4	943.1	941.4	938.0	936.9	933.6	933.1	930.6	931.6	931.4
67.5°	852.9	865.8	868.7	870.8	870.7	871.5	871.2	872.5	872.5	874.3	875.5
70°	798.3	807.4	809.5	811.7	812.3	814.1	814.1	815.2	814.9	816.5	816.6
72.5°	743.2	755.1	757.3	759.1	759.1	760.7	759.9	759.6	757.2	756.6	755.0
75°	674.6	689.9	693.2	695.4	695.7	697.1	695.1	693.8	689.9	688.2	685.5
77.5°	603.0	618.8	621.1	621.9	620.6	620.9	616.6	613.7	608.7	606.6	604.0
80°	509.7	533.1	534.9	533.5	529.8	529.2	525.0	522.3	516.2	514.2	511.9
82.5°	387.9	415.2	419.0	420.7	417.7	418.4	414.4	412.9	407.3	406.3	402.7
85°	244.9	272.2	276.8	276.1	273.1	272.4	270.0	270.8	270.3	271.8	272.6
87.5°	112.5	138.9	145.3	143.3	143.0	141.2	136.9	138.4	141.1	142.7	142.8
90°	65.8	77.1	80.2	78.1	73.4	70.8	66.3	64.2	60.0	57.9	53.9
92.5°	86.4	91.5	96.7	92.1	87.6	82.9	78.4	73.8	69.3	64.6	60.1
95°	108.1	115.3	122.7	116.6	110.5	104.3	98.3	92.2	86.2	80.0	74.0
97.5°	121.5	130.0	138.6	132.6	126.4	120.3	114.2	108.1	102.0	95.9	89.7
100°	210.5	230.2	250.2	233.0	215.5	198.3	181.0	163.7	146.4	129.2	111.7
102.5°	477.0	525.5	574.1	530.3	486.5	442.7	399.1	355.3	311.6	267.7	224.0
105°	860.6	934.0	1007.7	940.7	873.9	807.2	740.4	673.6	606.8	540.0	473.3
107.5°	1159.6	1228.5	1297.6	1237.1	1176.7	1116.5	1055.9	995.6	935.1	874.8	814.5
110°	1307.9	1362.0	1416.9	1376.3	1335.8	1295.3	1254.8	1214.1	1173.7	1133.3	1092.8



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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°	1306.7	1346.0	1386.1	1362.1	1338.5	1314.7	1291.1	1267.3	1243.8	1220.1	1196.7
115°	1194.1	1217.0	1241.0	1231.6	1222.2	1212.8	1203.3	1194.2	1184.7	1175.4	1166.2
117.5°	1053.0	1063.9	1075.9	1074.1	1072.4	1070.5	1068.9	1067.2	1065.7	1064.1	1062.5
120°	905.6	907.7	911.0	912.1	913.4	914.7	916.0	917.1	918.4	919.7	921.1
122.5°	781.0	777.7	775.7	776.8	778.0	778.9	780.2	781.3	782.5	783.7	785.0
125°	691.6	685.9	681.8	680.2	678.7	676.9	675.3	673.6	672.3	670.7	669.3
127.5°	626.5	620.2	615.7	612.0	608.3	604.4	600.7	596.8	593.3	589.4	585.8
130°	580.5	574.5	570.5	565.6	561.2	556.3	551.6	546.9	542.1	537.4	532.8
132.5°	547.0	541.2	537.6	533.1	528.6	524.1	519.6	514.9	510.4	505.8	501.4
135°	524.8	519.7	516.9	512.7	508.7	504.5	500.4	496.2	492.2	487.9	483.9
137.5°	505.3	500.4	497.9	494.6	491.5	488.2	484.9	481.5	478.2	474.7	471.5
140°	488.5	483.4	480.8	479.0	477.2	475.1	473.4	471.4	469.6	467.7	465.7
142.5°	475.4	470.5	468.4	467.2	466.2	464.8	463.9	462.6	461.6	460.1	459.0
145°	462.2	456.7	454.2	454.0	454.2	453.9	453.8	453.7	453.6	453.3	453.2
147.5°	452.8	447.2	444.8	445.1	445.3	445.5	445.9	445.9	446.3	446.4	446.6
150°	442.3	436.1	433.3	433.9	434.3	434.9	435.4	436.0	436.6	437.1	437.6
152.5°	433.5	426.0	422.8	423.4	424.1	424.6	425.3	426.0	426.7	427.4	428.0
155°	426.0	417.9	414.5	414.6	414.9	415.2	415.5	415.9	416.3	416.6	417.1
157.5°	421.3	412.9	409.7	409.6	409.7	409.8	409.9	410.0	410.2	410.4	410.8
160°	418.1	409.8	406.6	406.4	406.6	406.6	406.6	406.6	406.8	407.0	407.3
162.5°	415.1	407.0	404.0	403.8	403.7	403.7	403.8	403.7	403.9	403.9	404.2
165°	412.9	405.8	403.2	403.2	403.4	403.4	403.6	403.8	404.2	404.4	404.8
167.5°	414.3	408.1	406.0	405.7	405.4	405.1	405.1	404.7	404.7	404.5	404.5
170°	413.3	408.4	406.5	406.5	406.7	406.7	406.7	406.7	406.8	406.8	407.0
172.5°	413.1	409.5	408.0	408.3	408.7	408.9	409.4	409.7	410.1	410.4	410.8
175°	413.6	411.4	410.8	410.8	411.0	411.2	411.4	411.5	411.7	411.9	412.3
177.5°	415.6	414.9	414.5	414.5	414.5	414.5	414.5	414.5	414.5	414.6	414.6
180°	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3



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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°	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8
2.5°	26723.1	26754.2	26751.9	26781.0	26779.5	26806.9	26801.4	26825.1	26819.7	26839.9	26828.0
5°	27599.7	27658.9	27678.5	27732.0	27743.1	27790.9	27791.9	27829.9	27825.3	27855.1	27839.2
7.5°	28428.9	28484.2	28510.4	28552.0	28572.8	28607.2	28620.6	28648.9	28655.7	28672.3	28671.8
10°	28498.8	28498.6	28511.6	28505.8	28517.4	28510.7	28524.8	28519.8	28540.7	28535.3	28551.1
12.5°	27557.2	27463.8	27429.7	27345.7	27327.4	27255.3	27260.5	27214.2	27236.5	27208.2	27256.5
15°	25533.6	25316.7	25209.6	25021.1	24962.0	24813.0	24800.9	24701.9	24728.7	24676.9	24752.6
17.5°	22543.1	22201.7	22014.5	21739.2	21629.9	21419.3	21377.0	21249.6	21269.3	21205.1	21296.6
20°	18977.6	18565.1	18328.9	18010.5	17868.6	17617.4	17550.7	17408.3	17426.1	17362.3	17465.7
22.5°	15371.4	14939.8	14673.0	14339.4	14158.1	13921.9	13850.9	13707.8	13715.9	13656.0	13755.5
25°	12057.6	11643.7	11384.7	11081.7	10924.3	10707.8	10633.2	10504.8	10512.1	10462.6	10551.8
27.5°	9327.4	8987.8	8771.1	8517.2	8376.1	8198.0	8125.4	8017.3	8017.0	7980.8	8055.4
30°	7288.8	7005.4	6811.0	6589.8	6457.3	6296.6	6226.4	6129.8	6125.5	6099.8	6159.0
32.5°	5707.0	5455.0	5277.6	5082.8	4964.0	4826.0	4759.7	4682.0	4674.8	4651.6	4700.2
35°	4436.5	4224.2	4071.6	3907.8	3919.9	3716.4	3750.3	3592.2	3549.4	3540.0	3576.2
37.5°	3428.9	3264.4	3140.5	3017.8	2934.7	2848.7	2802.4	2760.8	2756.1	2752.0	2777.5
40°	2683.8	2568.8	2478.7	2394.5	2337.2	2284.8	2255.8	2233.0	2227.6	2224.5	2239.9
42.5°	2172.2	2094.6	2036.5	1985.1	1950.3	1921.7	1905.9	1893.2	1888.9	1889.0	1898.1
45°	1835.2	1788.1	1750.7	1718.7	1696.5	1706.3	1677.6	1692.6	1672.7	1693.3	1679.8
47.5°	1616.1	1576.1	1552.9	1530.2	1516.8	1506.0	1506.4	1506.6	1510.8	1511.5	1515.9
50°	1447.1	1423.9	1407.9	1393.4	1386.4	1380.7	1382.6	1384.1	1388.3	1388.6	1391.8
52.5°	1322.0	1306.8	1297.1	1288.1	1285.0	1281.7	1283.1	1282.5	1284.4	1283.4	1286.1
55°	1220.2	1213.0	1210.0	1206.7	1207.2	1206.3	1206.9	1203.6	1201.6	1199.2	1201.4
57.5°	1136.7	1135.7	1137.7	1139.2	1143.0	1144.4	1145.2	1141.5	1138.0	1134.7	1136.6
60°	1072.4	1073.9	1079.0	1083.2	1088.6	1091.2	1092.7	1090.6	1088.0	1085.4	1087.0
62.5°	1008.8	1011.3	1017.4	1022.0	1028.7	1032.1	1035.9	1036.1	1037.2	1036.1	1037.3
65°	935.1	938.2	943.7	947.6	953.7	956.7	960.7	961.4	963.6	963.1	964.9
67.5°	879.1	881.9	886.5	890.1	895.7	898.8	902.2	902.4	903.3	903.1	904.8
70°	819.4	820.7	824.9	827.9	833.4	836.7	840.6	841.8	844.2	844.6	846.7
72.5°	755.7	755.1	757.6	759.0	763.1	765.6	770.7	773.4	777.5	778.6	780.1
75°	686.3	685.7	688.6	689.9	693.4	695.9	701.6	705.2	711.5	714.3	713.6
77.5°	606.0	607.4	612.9	616.0	620.6	624.0	631.2	637.0	648.7	653.8	648.6
80°	516.2	517.7	523.4	526.2	532.4	536.4	544.6	551.3	561.8	564.0	561.1
82.5°	405.8	406.2	411.4	413.5	421.6	427.4	437.7	443.2	449.6	448.6	447.8
85°	276.8	280.5	286.9	293.2	303.1	312.5	322.3	330.2	324.6	333.6	323.5
87.5°	147.9	147.5	156.2	154.8	168.5	176.5	184.9	189.0	193.5	192.6	192.7
90°	52.2	49.4	48.9	46.0	46.2	43.1	44.0	41.1	42.4	38.9	44.1
92.5°	55.5	53.2	50.6	48.2	45.6	43.3	40.7	38.2	35.7	33.3	35.7
95°	67.9	65.6	63.4	60.9	58.7	56.4	54.2	51.9	49.6	47.3	50.1
97.5°	83.6	82.3	81.0	79.7	78.4	77.0	75.7	74.4	73.0	71.6	73.6
100°	94.4	94.4	94.4	94.4	94.2	94.2	94.2	94.2	94.2	94.2	95.8
102.5°	180.2	175.9	171.5	167.0	162.7	158.3	154.0	149.5	145.2	140.9	147.3
105°	406.5	389.5	372.2	355.2	337.9	320.9	303.7	286.7	269.5	252.5	270.1
107.5°	754.2	722.9	691.7	660.6	629.3	598.1	567.0	535.9	504.7	473.5	501.5
110°	1052.4	1019.2	986.1	953.0	919.9	886.7	853.7	820.6	787.6	754.5	781.2



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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°	1173.1	1151.5	1130.1	1108.8	1087.4	1066.1	1044.7	1023.5	1002.2	980.9	993.9
115°	1156.9	1146.7	1136.4	1126.3	1116.3	1106.0	1095.8	1085.8	1075.7	1065.6	1066.4
117.5°	1061.0	1057.4	1054.0	1050.6	1047.1	1043.8	1040.5	1037.3	1033.9	1030.8	1023.5
120°	922.7	923.6	924.5	925.7	926.8	928.1	929.1	930.4	931.7	933.0	923.3
122.5°	786.3	788.6	791.2	793.7	796.2	798.9	801.5	804.4	807.3	810.1	800.4
125°	667.7	670.0	672.4	674.9	677.2	680.1	682.7	685.5	688.3	691.3	683.1
127.5°	582.2	582.9	583.6	584.6	585.4	586.5	587.6	589.0	590.3	591.7	586.5
130°	528.0	527.0	526.0	525.2	524.2	523.6	523.0	522.5	522.0	521.7	519.4
132.5°	496.7	494.5	492.3	490.3	488.3	486.4	484.5	483.0	481.4	480.0	479.3
135°	479.7	476.7	473.7	470.8	468.0	465.5	462.9	460.6	458.3	456.1	456.5
137.5°	468.2	465.2	462.3	459.5	456.6	454.2	451.4	449.0	446.8	444.6	445.5
140°	463.8	460.8	457.9	455.1	452.4	449.8	447.3	445.0	442.5	440.5	441.0
142.5°	457.7	455.2	452.3	449.9	447.4	445.1	442.7	440.7	438.4	436.6	437.2
145°	453.1	451.2	449.2	447.3	445.5	443.8	441.8	440.4	438.9	437.7	438.0
147.5°	446.7	445.4	443.8	442.3	440.8	439.7	438.4	437.3	436.2	435.3	435.4
150°	438.1	437.2	436.2	435.3	434.4	433.6	432.8	432.1	431.3	430.7	430.6
152.5°	428.7	427.9	427.0	426.2	425.4	424.7	424.0	423.4	422.8	422.2	422.1
155°	417.5	417.1	416.7	416.4	416.0	415.9	415.5	415.5	415.2	415.1	415.2
157.5°	411.0	410.9	410.7	410.8	410.7	410.8	410.7	410.9	410.8	411.0	411.2
160°	407.7	407.5	407.1	407.1	406.9	406.7	406.6	406.6	406.5	406.4	406.8
162.5°	404.4	404.7	404.8	404.9	405.2	405.4	405.7	406.1	406.3	406.7	407.0
165°	405.2	405.1	404.9	404.8	404.9	405.0	405.0	405.2	405.2	405.4	405.9
167.5°	404.4	404.7	404.8	405.1	405.4	405.7	406.0	406.5	406.9	407.5	407.9
170°	407.0	407.0	407.0	407.0	407.0	407.2	407.3	407.4	407.5	407.8	408.1
172.5°	411.1	411.1	410.9	411.1	410.9	411.1	411.1	411.2	411.2	411.3	411.5
175°	412.3	412.7	412.9	413.2	413.3	413.4	413.6	413.8	414.0	414.3	414.3
177.5°	414.6	414.7	414.7	414.7	414.7	414.8	414.8	414.8	414.8	414.7	414.9
180°	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3



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CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8
2.5°	26847.8	26834.4	26848.1	26834.2	26848.1	26831.3	26842.6	26824.6	26829.2	26810.4	26815.3
5°	27862.9	27841.5	27852.9	27825.1	27828.0	27790.9	27790.2	27747.0	27735.6	27686.4	27664.7
7.5°	28683.8	28676.8	28680.7	28662.9	28660.7	28635.4	28623.3	28587.6	28565.1	28519.8	28488.8
10°	28553.9	28574.8	28580.2	28601.5	28606.0	28627.0	28631.5	28652.7	28657.0	28672.7	28672.9
12.5°	27254.2	27325.2	27342.3	27430.1	27467.0	27567.4	27621.3	27732.0	27797.6	27908.0	27975.8
15°	24750.5	24873.5	24922.5	25093.8	25188.7	25388.8	25514.5	25744.2	25906.4	26150.4	26324.4
17.5°	21304.6	21476.4	21554.0	21786.3	21938.0	22233.3	22446.1	22796.4	23064.6	23454.0	23762.6
20°	17483.3	17674.4	17779.6	18044.7	18223.6	18568.6	18834.4	19264.9	19623.9	20117.2	20539.1
22.5°	13786.6	13968.3	14085.1	14354.9	14556.3	14916.2	15213.2	15667.7	16069.8	16625.8	17131.5
25°	10585.5	10752.0	10857.6	11101.6	11290.8	11621.5	11905.1	12342.1	12735.7	13293.3	13812.0
27.5°	8092.5	8231.9	8333.7	8541.8	8708.7	8989.1	9232.8	9593.9	9933.0	10415.4	10877.3
30°	6195.5	6319.1	6418.1	6599.4	6754.0	6997.2	7211.4	7514.7	7795.4	8179.3	8546.7
32.5°	4734.4	4840.8	4929.1	5087.7	5228.0	5447.0	5640.0	5905.9	6146.7	6472.3	6774.6
35°	3609.8	3819.2	3804.3	4023.1	4058.3	4215.4	4387.6	4620.1	4833.4	5110.3	5367.6
37.5°	2801.8	2860.6	2923.8	3020.4	3122.0	3265.0	3410.5	3694.6	3798.8	4007.9	4220.9
40°	2259.4	2299.1	2340.8	2406.2	2477.3	2578.0	2683.9	2819.4	2958.4	3128.0	3301.2
42.5°	1910.1	1932.6	1959.2	1997.5	2041.4	2105.3	2176.1	2268.0	2364.6	2484.0	2605.8
45°	1706.5	1695.8	1703.7	1724.4	1750.8	1789.6	1834.4	1891.3	1954.1	2031.4	2113.9
47.5°	1516.8	1521.2	1523.5	1534.7	1548.8	1574.8	1602.0	1640.6	1715.2	1737.9	1782.8
50°	1391.5	1393.5	1392.9	1398.6	1405.7	1422.7	1440.2	1466.4	1492.5	1527.1	1560.1
52.5°	1286.5	1289.4	1289.0	1292.7	1296.6	1307.3	1318.4	1336.9	1354.0	1376.0	1394.9
55°	1203.5	1207.6	1209.1	1212.3	1214.1	1219.8	1224.1	1233.0	1240.3	1252.8	1264.3
57.5°	1139.8	1145.2	1147.8	1148.8	1146.6	1146.3	1144.8	1146.7	1148.2	1154.9	1161.4
60°	1089.5	1094.0	1094.7	1094.0	1089.8	1086.9	1082.2	1080.6	1079.9	1083.2	1086.7
62.5°	1036.9	1038.6	1037.5	1036.1	1031.5	1028.6	1023.7	1021.9	1020.2	1022.5	1024.3
65°	964.2	965.6	964.2	963.5	959.3	956.9	952.8	951.5	949.1	949.7	949.3
67.5°	905.2	906.6	905.5	904.4	901.4	900.0	897.0	895.1	892.2	891.1	889.1
70°	846.3	847.4	845.7	844.6	841.3	840.0	837.2	836.6	834.3	833.8	831.6
72.5°	778.6	778.7	776.3	775.6	773.2	773.1	771.9	773.0	772.9	774.1	773.6
75°	709.3	708.3	705.4	704.9	703.1	703.9	702.7	704.3	704.5	707.1	707.3
77.5°	639.9	636.3	630.7	628.0	624.3	623.9	621.6	623.2	622.7	625.6	626.8
80°	552.3	547.9	540.7	537.3	532.9	532.1	530.1	532.1	531.1	534.6	537.1
82.5°	440.9	437.1	429.6	426.9	421.8	422.3	420.1	422.3	422.0	427.1	430.0
85°	326.2	323.6	315.9	309.2	301.6	297.2	292.8	292.1	290.8	292.8	294.6
87.5°	188.4	186.1	180.0	176.1	162.9	163.5	158.2	157.9	156.6	155.5	158.2
90°	44.1	48.6	48.8	52.9	53.6	58.2	59.1	63.7	64.3	68.9	70.2
92.5°	38.2	40.7	43.2	45.6	48.1	50.6	53.1	55.5	60.8	66.0	71.4
95°	53.0	55.9	58.7	61.5	64.4	67.3	70.1	73.0	80.7	88.5	96.3
97.5°	75.6	77.3	79.2	81.1	83.0	84.9	86.8	88.7	97.2	105.5	113.9
100°	97.3	98.8	100.3	101.9	103.4	104.9	106.4	108.0	124.3	140.5	156.6
102.5°	153.8	160.2	166.7	173.1	179.7	186.2	192.6	199.1	236.2	273.2	310.3
105°	287.8	305.4	323.2	340.9	358.6	376.3	394.0	411.7	471.0	530.3	589.8
107.5°	529.4	557.3	585.2	613.3	641.2	669.2	697.1	725.2	783.0	841.0	898.8
110°	807.7	834.4	861.0	887.7	914.3	941.0	967.6	994.5	1029.3	1063.9	1098.7



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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°	1006.9	1019.8	1032.8	1045.8	1058.8	1072.0	1085.0	1098.1	1115.4	1132.7	1150.1
115°	1067.2	1068.0	1068.9	1069.7	1070.6	1071.6	1072.7	1073.7	1079.2	1084.7	1090.1
117.5°	1016.5	1009.3	1002.3	995.2	988.2	981.4	974.5	967.6	966.5	965.4	964.4
120°	914.0	904.4	894.9	885.3	876.0	866.6	857.3	848.2	843.4	838.8	834.1
122.5°	791.0	781.5	772.1	762.6	753.3	744.1	735.1	726.0	722.6	719.3	716.2
125°	675.1	667.3	659.4	651.5	643.9	636.4	628.9	621.4	621.3	620.9	621.0
127.5°	581.7	576.8	572.1	567.6	563.0	558.5	554.1	549.7	551.8	553.8	556.0
130°	517.2	515.2	513.3	511.3	509.5	507.8	506.1	504.5	508.1	511.7	515.4
132.5°	479.1	478.7	478.5	478.3	478.4	478.4	478.7	478.6	482.8	486.9	491.2
135°	457.0	457.6	458.5	459.2	460.3	461.1	462.3	463.3	467.5	471.3	475.3
137.5°	446.4	447.4	448.6	449.6	451.1	452.4	453.9	455.4	458.5	461.6	464.8
140°	441.9	442.5	443.7	444.7	445.8	446.7	448.1	449.2	451.9	454.4	456.8
142.5°	438.1	438.5	439.5	440.5	441.6	442.5	443.8	444.7	446.6	448.4	450.5
145°	438.6	439.1	439.9	440.4	441.1	441.9	442.9	443.7	445.0	446.0	447.2
147.5°	435.8	436.1	436.6	437.1	437.7	438.2	438.7	439.1	440.0	440.7	441.5
150°	430.8	430.9	431.1	431.2	431.7	432.0	432.4	432.6	433.3	433.9	434.7
152.5°	422.3	422.3	422.5	422.7	423.0	423.2	423.4	423.7	424.4	424.8	425.5
155°	415.5	415.9	416.3	416.6	417.1	417.3	417.8	418.0	418.5	418.9	419.4
157.5°	411.6	411.8	412.3	412.5	413.0	413.2	413.6	413.9	414.4	414.7	415.1
160°	407.4	408.0	408.5	409.0	409.6	410.1	410.7	411.3	411.7	412.0	412.4
162.5°	407.4	407.8	408.2	408.5	408.8	409.3	409.6	410.0	410.7	411.1	411.8
165°	406.5	407.0	407.7	408.0	408.6	409.3	409.8	410.4	410.7	411.1	411.4
167.5°	408.5	408.9	409.7	410.1	410.6	411.1	411.7	412.2	412.6	412.8	413.2
170°	408.6	409.1	409.7	410.1	410.6	411.0	411.5	411.9	412.5	412.9	413.5
172.5°	411.9	412.3	412.7	412.9	413.3	413.8	414.2	414.5	415.0	415.4	415.8
175°	414.3	414.3	414.4	414.5	414.6	414.6	414.7	414.9	415.0	415.1	415.2
177.5°	415.1	415.3	415.5	415.6	415.8	416.0	416.2	416.4	416.4	416.4	416.4
180°	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3



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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°	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8
2.5°	26796.5	26797.6	26776.0	26774.8	26754.6	26752.0	26732.3	26726.3	26710.3	26704.5	26688.2
5°	27609.5	27583.1	27522.3	27486.6	27426.4	27386.6	27321.5	27279.1	27216.3	27168.9	27105.8
7.5°	28431.7	28390.8	28322.5	28267.2	28183.8	28117.2	28019.5	27939.6	27833.9	27742.4	27631.3
10°	28672.9	28666.6	28649.1	28623.8	28585.0	28541.4	28475.0	28405.7	28313.0	28212.3	28088.9
12.5°	28079.6	28143.6	28230.9	28282.8	28345.7	28373.4	28399.2	28392.7	28375.7	28324.7	28253.4
15°	26576.5	26756.5	26994.9	27179.6	27392.2	27546.7	27717.3	27823.6	27929.6	27978.6	28008.5
17.5°	24185.4	24526.4	24953.8	25308.0	25716.8	26045.1	26405.0	26675.9	26954.5	27154.1	27334.6
20°	21114.1	21608.0	22212.6	22746.8	23367.8	23907.5	24498.9	24984.5	25485.1	25876.7	26247.2
22.5°	17782.9	18369.5	19100.4	19777.5	20578.2	21297.7	22109.5	22816.0	23553.8	24170.1	24766.0
25°	14507.1	15150.4	15949.7	16705.1	17611.8	18448.8	19411.5	20292.1	21245.7	22073.5	22891.3
27.5°	11515.8	12147.5	12963.4	13767.5	14726.4	15618.2	16649.7	17620.0	18705.6	19706.9	20731.0
30°	9057.3	9593.0	10324.6	11103.5	12049.2	12956.7	13999.5	14997.3	16126.7	17219.9	18373.5
32.5°	7175.8	7583.9	8159.2	8817.8	9690.3	10554.1	11547.1	12510.4	13622.6	14726.9	15926.7
35°	5698.9	6017.2	6455.8	6969.8	7708.7	8453.4	9331.6	10207.5	11245.2	12293.1	13459.3
37.5°	4493.9	4752.2	5095.7	5481.7	6074.4	6685.5	7405.7	8131.9	9033.6	9962.4	11019.3
40°	3509.2	3718.4	3985.8	4273.7	4721.2	5192.1	5749.1	6312.2	7036.6	7795.7	8670.4
42.5°	2756.8	2911.1	3100.0	3310.3	3728.0	3977.9	4355.6	4762.9	5295.4	5846.5	6504.1
45°	2213.9	2319.2	2450.2	2591.3	2785.1	2997.1	3255.8	3527.1	4033.0	4281.1	4681.1
47.5°	1848.9	1919.5	2002.9	2091.8	2206.1	2329.4	2482.8	2639.6	2842.5	3052.7	3299.1
50°	1603.0	1674.8	1703.4	1749.5	1815.7	1886.1	1972.6	2059.1	2167.8	2278.1	2405.0
52.5°	1420.5	1443.9	1475.1	1504.3	1545.3	1625.5	1651.4	1696.6	1757.7	1817.3	1883.9
55°	1281.1	1296.4	1316.6	1334.3	1359.1	1382.7	1416.9	1447.0	1487.8	1523.7	1567.9
57.5°	1172.7	1182.3	1196.5	1208.1	1224.0	1237.4	1257.5	1273.8	1297.2	1317.6	1344.4
60°	1093.9	1100.3	1109.8	1117.4	1127.6	1134.5	1144.5	1152.2	1164.5	1174.8	1189.8
62.5°	1029.5	1032.8	1039.0	1043.4	1050.0	1053.5	1058.7	1062.1	1068.9	1074.1	1082.5
65°	952.3	953.0	957.1	959.1	964.1	966.0	970.4	971.9	977.5	981.4	988.7
67.5°	888.9	887.2	887.3	885.8	886.5	885.0	885.4	883.9	886.1	887.3	892.9
70°	831.2	828.7	827.9	825.3	824.5	821.7	820.9	818.5	818.2	817.4	819.4
72.5°	774.9	774.2	774.4	772.5	772.3	770.5	770.6	769.4	770.7	771.3	773.8
75°	710.1	710.3	711.5	709.9	710.4	708.8	709.4	707.9	708.7	708.4	710.9
77.5°	631.3	633.1	636.6	635.9	637.0	635.3	636.0	634.0	634.6	633.1	634.2
80°	542.6	546.6	551.2	551.0	552.9	551.7	553.4	551.5	552.3	549.9	549.3
82.5°	437.4	440.7	445.7	445.9	450.2	450.9	455.8	455.6	458.6	456.7	455.3
85°	299.1	301.3	305.6	307.9	312.4	315.1	319.8	321.7	318.3	324.4	319.6
87.5°	156.2	161.9	158.7	166.3	164.5	172.1	170.5	177.6	176.2	182.3	181.5
90°	76.0	77.6	83.5	85.5	92.4	94.9	96.8	93.6	95.1	92.2	93.8
92.5°	76.6	82.1	87.5	92.7	98.1	103.5	98.5	93.5	88.6	83.7	78.7
95°	104.0	111.9	119.7	127.4	135.2	143.0	134.6	126.3	118.1	109.7	101.3
97.5°	122.3	130.6	138.9	147.3	155.8	164.2	154.3	144.4	134.5	124.7	114.9
100°	172.7	189.0	205.1	221.3	237.4	253.6	235.2	216.8	198.5	180.0	161.6
102.5°	347.5	384.5	421.7	458.8	495.8	533.0	493.9	455.0	415.9	376.9	337.7
105°	649.1	708.5	767.8	827.2	886.6	946.1	882.8	819.4	756.1	692.9	629.4
107.5°	956.7	1014.7	1072.7	1130.5	1188.5	1246.5	1182.3	1118.1	1053.9	989.5	925.3
110°	1133.6	1168.3	1203.2	1238.0	1272.8	1307.8	1260.8	1214.0	1167.1	1120.2	1073.4



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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°	1167.5	1185.1	1202.4	1220.0	1237.4	1254.9	1221.4	1188.0	1154.4	1120.9	1087.2
115°	1095.8	1101.3	1107.0	1112.4	1118.0	1123.6	1101.0	1078.4	1055.9	1033.3	1010.5
117.5°	963.4	962.6	961.5	960.8	959.7	958.8	946.0	933.4	920.7	908.0	895.4
120°	829.4	824.8	820.1	815.5	810.8	806.1	800.8	795.4	789.9	784.6	779.0
122.5°	712.9	709.8	706.4	703.3	699.8	696.6	694.6	692.6	690.4	688.2	686.0
125°	620.8	620.7	620.5	620.4	620.1	620.0	618.9	617.9	616.7	615.7	614.6
127.5°	557.9	560.1	561.9	563.9	565.8	567.9	567.6	567.3	567.0	566.7	566.4
130°	518.8	522.6	526.0	529.4	532.9	536.5	535.7	535.2	534.6	534.0	533.3
132.5°	495.2	499.4	503.4	507.6	511.6	515.5	514.7	514.1	513.1	512.5	511.6
135°	479.2	483.2	486.9	490.9	494.5	498.3	497.3	496.4	495.2	494.4	493.4
137.5°	467.9	471.0	474.0	477.2	480.0	483.1	481.9	481.0	479.9	479.1	478.0
140°	459.2	461.6	463.9	466.5	468.7	471.1	469.8	468.6	467.4	466.2	464.6
142.5°	452.2	454.0	455.7	457.6	459.3	461.1	459.2	457.6	455.8	454.0	452.3
145°	448.4	449.6	450.7	451.9	452.7	454.0	451.9	450.0	447.9	446.0	444.0
147.5°	442.2	443.0	443.5	444.2	444.6	445.4	443.4	441.5	439.6	437.6	435.7
150°	435.1	435.8	436.3	436.9	437.4	438.1	436.0	434.1	432.0	430.0	428.0
152.5°	426.1	426.6	427.1	427.6	428.1	428.6	426.6	425.0	423.0	421.0	419.1
155°	419.6	420.1	420.3	420.8	420.9	421.2	419.4	418.0	416.4	414.8	413.1
157.5°	415.4	415.8	416.1	416.3	416.5	416.8	415.5	414.4	413.0	411.9	410.6
160°	412.7	413.0	413.3	413.5	413.8	413.8	412.8	412.0	410.9	409.8	408.6
162.5°	412.2	412.7	413.1	413.5	413.9	414.3	413.1	412.0	410.8	409.6	408.1
165°	411.7	412.0	412.3	412.6	412.7	412.9	412.1	411.3	410.4	409.6	408.6
167.5°	413.4	413.8	414.0	414.3	414.4	414.6	413.8	413.0	412.1	411.2	410.3
170°	413.8	414.1	414.6	415.0	415.3	415.6	415.0	414.4	413.6	413.0	412.2
172.5°	416.1	416.4	416.6	417.0	417.2	417.6	416.9	416.2	415.5	414.8	414.0
175°	415.2	415.3	415.5	415.5	415.5	415.6	415.0	414.5	413.9	413.3	412.8
177.5°	416.4	416.4	416.4	416.3	416.3	416.3	415.9	415.5	415.2	414.8	414.3
180°	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3



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CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8
2.5°	26682.4	26670.8	26663.3	26653.8	26648.0	26640.6	26635.2	26630.6	26626.9	26623.5	26620.9
5°	27057.5	26997.9	26951.7	26901.6	26860.4	26819.3	26787.6	26761.4	26743.3	26729.7	26721.8
7.5°	27535.3	27426.1	27329.0	27226.9	27135.2	27045.1	26967.4	26900.5	26850.3	26817.8	26798.0
10°	27961.9	27815.7	27671.2	27519.1	27374.8	27234.8	27105.8	26992.2	26902.3	26842.5	26807.6
12.5°	28153.1	28028.6	27881.0	27715.8	27539.0	27360.1	27185.8	27028.6	26896.6	26808.1	26757.0
15°	27984.7	27933.6	27833.5	27705.2	27537.4	27352.5	27147.9	26955.4	26778.4	26663.6	26597.1
17.5°	27436.8	27508.2	27500.5	27451.5	27330.9	27175.2	26966.6	26750.5	26529.1	26375.7	26291.9
20°	26512.3	26736.6	26850.3	26908.7	26861.4	26760.4	26571.5	26352.3	26094.2	25893.9	25771.6
22.5°	25213.1	25609.0	25855.7	26036.2	26074.6	26040.2	25873.4	25664.8	25377.2	25136.4	24955.9
25°	23540.5	24120.5	24510.5	24816.3	24934.9	24965.6	24823.7	24616.3	24295.6	24015.1	23767.2
27.5°	21570.4	22324.2	22844.9	23255.6	23441.0	23521.4	23390.8	23179.2	22799.8	22465.0	22141.1
30°	19352.6	20246.8	20873.7	21366.3	21592.3	21698.4	21559.7	21323.5	20882.1	20479.2	20071.1
32.5°	16978.7	17957.3	18640.4	19175.3	19399.2	19499.2	19317.7	19052.3	18542.1	18067.5	17591.6
35°	14493.4	15481.1	16169.9	16690.6	16878.4	16938.6	16706.4	16399.7	15834.4	15313.5	14794.7
37.5°	11957.4	12876.4	13502.4	13969.7	14085.8	14096.2	13816.5	13477.8	12883.7	12370.0	11853.5
40°	9443.3	10218.3	10723.9	11097.8	11138.1	11102.1	10798.1	10457.2	9901.4	9441.2	8987.8
42.5°	7075.2	7660.2	8020.8	8277.1	8261.9	8190.9	7912.1	7619.1	7160.5	6809.9	6453.2
45°	5046.4	5432.2	5643.0	5793.0	5744.8	5677.1	5460.1	5254.8	4943.1	4716.7	4476.9
47.5°	3505.8	3966.4	3886.3	4179.5	3926.8	4093.7	3746.2	3554.6	3389.2	3269.0	3133.4
50°	2509.8	2615.4	2666.4	2701.2	2682.7	2657.0	2594.6	2538.8	2463.3	2408.2	2344.0
52.5°	1938.3	1991.1	2019.9	2040.9	2036.8	2027.4	2000.2	1975.3	1940.0	1916.7	1888.5
55°	1641.8	1642.6	1695.7	1672.9	1706.6	1667.2	1682.7	1638.9	1646.1	1608.4	1583.2
57.5°	1364.3	1386.0	1395.6	1405.0	1402.4	1400.8	1390.2	1385.0	1373.0	1369.4	1360.9
60°	1200.1	1211.4	1213.7	1218.1	1214.4	1213.0	1204.8	1201.8	1193.8	1192.4	1186.8
62.5°	1087.5	1093.3	1093.3	1093.3	1088.5	1084.1	1074.9	1070.0	1063.3	1061.8	1058.5
65°	993.6	999.5	1000.5	1001.7	998.3	994.8	986.7	981.6	974.6	971.9	968.1
67.5°	896.5	903.0	905.1	908.3	906.4	905.7	900.1	898.1	893.5	892.4	888.9
70°	820.3	823.0	822.8	822.7	818.4	814.6	808.2	805.2	800.3	799.3	796.2
72.5°	775.0	776.9	775.7	774.1	768.5	762.8	755.3	749.8	743.5	739.6	735.2
75°	711.2	713.8	712.2	711.0	706.1	702.4	696.3	693.3	688.8	687.6	684.5
77.5°	632.9	634.2	631.6	631.3	627.5	625.1	620.5	619.8	616.6	616.6	613.7
80°	545.8	545.1	541.0	540.2	536.4	535.4	531.8	532.0	529.5	530.5	528.5
82.5°	449.1	446.7	441.2	439.6	435.3	434.9	432.5	434.5	432.9	435.3	433.9
85°	321.9	322.5	320.2	320.2	318.8	319.2	319.0	320.6	320.8	322.9	322.8
87.5°	179.4	182.0	181.5	183.8	183.7	186.5	187.3	191.2	191.7	195.3	195.3
90°	90.9	92.7	89.7	91.8	90.5	93.7	93.1	96.3	95.0	97.7	95.8
92.5°	73.8	68.8	64.0	58.9	56.5	53.8	51.8	48.8	46.6	43.9	41.5
95°	92.9	84.7	76.3	67.9	65.1	62.2	59.2	56.4	53.6	50.8	47.8
97.5°	105.0	95.1	85.3	75.4	72.8	70.4	67.8	65.4	62.9	60.4	57.9
100°	143.2	124.7	106.4	87.9	85.8	83.7	81.6	79.5	77.5	75.3	73.2
102.5°	298.7	259.6	220.5	181.3	174.0	166.5	159.1	151.6	144.2	136.7	129.4
105°	566.0	502.7	439.3	375.9	355.7	335.6	315.4	295.2	275.1	255.0	234.8
107.5°	861.0	796.5	732.2	667.9	630.7	593.5	556.3	518.9	481.8	444.5	407.2
110°	1026.5	979.4	932.4	885.3	855.5	825.5	795.5	765.4	735.6	705.4	675.4



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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°	1053.6	1020.0	986.4	952.6	939.1	925.5	911.9	898.3	884.7	871.0	857.3
115°	987.8	965.2	942.4	919.5	914.8	909.9	905.2	900.2	895.5	890.5	885.6
117.5°	882.7	869.9	857.0	844.2	845.0	845.7	846.6	847.2	847.9	848.4	849.1
120°	773.6	768.2	762.7	757.2	761.4	765.3	769.5	773.3	777.3	781.1	785.0
122.5°	683.9	681.7	679.6	677.2	682.3	687.1	692.1	696.9	701.7	706.2	710.9
125°	613.6	612.4	611.3	609.9	615.0	619.9	624.9	629.6	634.6	639.1	643.7
127.5°	566.0	565.7	565.3	564.9	568.7	572.0	575.6	578.9	582.3	585.3	588.5
130°	532.6	531.8	531.3	530.6	533.9	537.1	540.3	543.0	546.2	548.8	551.5
132.5°	510.9	509.9	509.2	508.3	510.7	512.9	515.2	517.1	519.1	520.8	522.7
135°	492.5	491.4	490.4	489.3	491.5	493.6	495.6	497.4	499.5	501.0	502.6
137.5°	477.0	475.8	474.8	473.7	475.7	477.6	479.5	481.0	482.6	484.1	485.5
140°	463.5	462.2	461.1	459.7	461.4	462.9	464.6	466.1	467.6	468.7	470.0
142.5°	450.6	448.7	447.3	445.4	446.6	447.7	448.9	449.9	451.0	451.8	452.6
145°	441.9	439.8	437.9	435.8	436.8	437.6	438.6	439.5	440.1	440.7	441.4
147.5°	433.9	431.8	429.7	427.7	428.6	429.2	429.7	430.2	430.9	431.3	431.7
150°	426.0	423.8	421.7	419.5	420.1	420.7	421.1	421.7	422.2	422.5	422.8
152.5°	417.1	415.1	413.2	411.1	411.5	411.9	412.2	412.6	413.0	413.3	413.5
155°	411.4	409.7	407.9	406.2	406.6	407.0	407.2	407.5	407.7	407.9	408.0
157.5°	409.3	407.6	406.5	405.0	405.1	405.2	405.4	405.2	405.2	405.1	405.0
160°	407.6	406.3	405.2	404.0	404.0	404.0	404.2	404.0	403.9	403.7	403.6
162.5°	406.8	405.5	404.1	402.7	402.7	402.8	402.8	402.7	402.6	402.4	402.3
165°	407.7	406.7	405.7	404.6	404.5	404.3	404.2	403.9	403.7	403.3	403.0
167.5°	409.3	408.3	407.2	406.2	406.3	406.4	406.4	406.3	406.2	406.0	406.0
170°	411.5	410.6	409.9	408.9	408.7	408.6	408.4	408.2	407.9	407.7	407.4
172.5°	413.2	412.4	411.6	410.6	410.6	410.5	410.3	410.2	410.0	409.8	409.7
175°	412.1	411.5	410.8	410.2	410.1	410.0	409.9	409.8	409.6	409.5	409.3
177.5°	413.9	413.6	413.0	412.6	412.5	412.5	412.4	412.3	412.3	412.2	412.1
180°	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3



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CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	26515.8	26515.8
2.5°	26618.5	26617.1
5°	26717.5	26715.9
7.5°	26792.8	26792.3
10°	26801.6	26806.2
12.5°	26748.2	26751.9
15°	26592.0	26599.3
17.5°	26293.4	26303.0
20°	25779.0	25789.0
22.5°	24946.1	24950.2
25°	23735.1	23718.0
27.5°	22084.2	22054.6
30°	19985.5	19956.8
32.5°	17483.1	17465.3
35°	14666.4	14655.1
37.5°	11700.9	11678.0
40°	8822.0	8755.0
42.5°	6296.9	6179.3
45°	4351.7	4212.3
47.5°	3037.9	2951.7
50°	2302.6	2274.9
52.5°	1876.2	1869.8
55°	1583.1	1580.3
57.5°	1362.9	1361.8
60°	1189.8	1189.5
62.5°	1060.8	1061.3
65°	969.9	970.1
67.5°	889.8	889.2
70°	797.4	796.7
72.5°	733.6	732.6
75°	684.5	683.9
77.5°	614.6	613.5
80°	529.8	528.5
82.5°	435.8	434.3
85°	325.1	325.2
87.5°	198.9	198.8
90°	98.2	95.8
92.5°	39.1	36.9
95°	45.0	42.2
97.5°	55.5	53.0
100°	71.1	69.0
102.5°	121.9	114.5
105°	214.7	194.5
107.5°	370.0	332.8
110°	645.4	615.4



TEST NUMBER: P1444388
CATALOG NUMBER: EHBR1-30-UNV-TA-L840-UPL30

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	843.6	829.9
115°	880.5	875.5
117.5°	849.5	850.0
120°	788.5	792.4
122.5°	715.3	719.7
125°	648.1	652.5
127.5°	591.4	594.2
130°	553.8	556.4
132.5°	524.2	525.6
135°	503.8	505.1
137.5°	486.5	487.6
140°	470.8	471.7
142.5°	453.2	453.8
145°	441.8	442.2
147.5°	431.7	432.0
150°	422.9	423.1
152.5°	413.5	413.7
155°	408.0	408.1
157.5°	404.7	404.6
160°	403.3	403.2
162.5°	402.0	401.9
165°	402.5	402.1
167.5°	405.7	405.7
170°	407.1	406.9
172.5°	409.4	409.1
175°	409.1	409.0
177.5°	412.1	411.9
180°	414.3	414.3



TEST NUMBER: P1444388
 CATALOG NUMBER: EHBR1-30-UNV-TA-L840-UPL30

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	16.00	17.04	16.54	17.55	18.11	14.38	15.42	14.91	15.93	16.48
	3H	17.55	18.48	18.10	19.00	19.60	16.81	17.74	17.36	18.26	18.86
	4H	18.34	19.21	18.91	19.75	20.36	17.92	18.79	18.49	19.33	19.94
	6H	19.11	19.91	19.69	20.46	21.08	18.97	19.76	19.55	20.31	20.94
	8H	19.42	20.18	20.02	20.75	21.38	19.40	20.16	20.00	20.73	21.36
	12H	19.67	20.39	20.27	20.95	21.61	19.76	20.47	20.35	21.04	21.70
4H	2H	16.38	17.24	16.95	17.78	18.40	15.09	15.95	15.66	16.49	17.11
	3H	18.25	18.97	18.83	19.55	20.18	17.71	18.43	18.29	19.01	19.64
	4H	19.25	19.90	19.85	20.49	21.16	18.97	19.61	19.57	20.20	20.87
	6H	20.21	20.76	20.83	21.38	22.06	20.15	20.71	20.77	21.32	22.01
	8H	20.59	21.11	21.22	21.73	22.42	20.65	21.17	21.27	21.78	22.47
	12H	20.90	21.36	21.55	22.01	22.70	21.06	21.52	21.70	22.16	22.86
8H	4H	19.63	20.15	20.25	20.76	21.45	19.38	19.90	20.01	20.52	21.21
	6H	20.78	21.21	21.44	21.87	22.57	20.73	21.15	21.39	21.82	22.51
	8H	21.29	21.67	21.97	22.34	23.05	21.33	21.71	22.01	22.38	23.09
	12H	21.72	22.05	22.39	22.70	23.49	21.86	22.19	22.53	22.84	23.62
12H	4H	19.67	20.13	20.32	20.78	21.47	19.44	19.90	20.08	20.54	21.23
	6H	20.90	21.27	21.57	21.94	22.65	20.85	21.22	21.52	21.89	22.60
	8H	21.48	21.81	22.15	22.47	23.25	21.51	21.84	22.18	22.50	23.28

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-1

Test Date: 07/30/2025

Luminaire Tested: EHBR-60-L840-N

Data in this report applies to families of products including EHBR-60-L840-N

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-1
 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-L840-N**
 Description: Elevate Round Highbay at, 60000 lumens, 4000K 80CRI LEDs with N lens

Spectral Parameters

CCT (K): 3898
 CIE u': 0.2263
 CIE v': 0.5052
 Duv: 0.0013
 CIE x: 0.3861
 CIE y: 0.3831
 CIE z: 0.2308
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 578
 Purity: 30.85729
 Rf: 80.7
 Rg: 102.1

CRI (Ra):	82.1		
R1:	84.4	R9:	38.5
R2:	83.5	R10:	58.9
R3:	80.8	R11:	83.6
R4:	83.9	R12:	54.2
R5:	82.1	R13:	82.8
R6:	77.3	R14:	88.2
R7:	86.4	R15:	81.2
R8:	78.3		



Test Conditions

Stabilization Time: 42M
 Operation Time: 1H 42M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-1

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: SP1-2506-472-1

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-1

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	60	NR	620	277	NR	750	6	NR	880	0	NR
365	0	NR	495	87	NR	625	278	NR	755	5	NR	885	0	NR
370	0	NR	500	124	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	168	NR	635	623	NR	765	4	NR	895	0	NR
380	1	NR	510	209	NR	640	162	NR	770	3	NR	900	0	NR
385	1	NR	515	246	NR	645	158	NR	775	3	NR	905	0	NR
390	2	NR	520	273	NR	650	134	NR	780	2	NR	910	0	NR
395	4	NR	525	292	NR	655	109	NR	785	2	NR	915	0	NR
400	5	NR	530	305	NR	660	91	NR	790	2	NR	920	0	NR
405	7	NR	535	313	NR	665	75	NR	795	2	NR	925	0	NR
410	11	NR	540	319	NR	670	70	NR	800	1	NR	930	0	NR
415	21	NR	545	323	NR	675	56	NR	805	1	NR	935	0	NR
420	42	NR	550	326	NR	680	47	NR	810	1	NR	940	0	NR
425	76	NR	555	330	NR	685	41	NR	815	1	NR	945	0	NR
430	125	NR	560	333	NR	690	35	NR	820	1	NR	950	0	NR
435	193	NR	565	336	NR	695	30	NR	825	1	NR	955	0	NR
440	302	NR	570	336	NR	700	26	NR	830	1	NR	960	0	NR
445	432	NR	575	335	NR	705	22	NR	835	1	NR	965	0	NR
450	380	NR	580	332	NR	710	19	NR	840	0	NR	970	0	NR
455	213	NR	585	326	NR	715	16	NR	845	0	NR	975	0	NR
460	147	NR	590	319	NR	720	14	NR	850	0	NR	980	0	NR
465	104	NR	595	307	NR	725	12	NR	855	0	NR	985	0	NR
470	65	NR	600	299	NR	730	10	NR	860	0	NR	990	0	NR
475	50	NR	605	291	NR	735	9	NR	865	0	NR	995	0	NR
480	46	NR	610	317	NR	740	8	NR	870	0	NR	1000	0	NR
485	47	NR	615	336	NR	745	7	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-1

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.55

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	60	NR	620	277	NR	750	6	NR	880	0	NR
365	0	NR	495	87	NR	625	278	NR	755	5	NR	885	0	NR
370	0	NR	500	124	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	168	NR	635	623	NR	765	4	NR	895	0	NR
380	1	NR	510	209	NR	640	162	NR	770	3	NR	900	0	NR
385	1	NR	515	246	NR	645	158	NR	775	3	NR	905	0	NR
390	2	NR	520	273	NR	650	134	NR	780	2	NR	910	0	NR
395	4	NR	525	292	NR	655	109	NR	785	2	NR	915	0	NR
400	5	NR	530	305	NR	660	91	NR	790	2	NR	920	0	NR
405	7	NR	535	313	NR	665	75	NR	795	2	NR	925	0	NR
410	11	NR	540	319	NR	670	70	NR	800	1	NR	930	0	NR
415	21	NR	545	323	NR	675	56	NR	805	1	NR	935	0	NR
420	42	NR	550	326	NR	680	47	NR	810	1	NR	940	0	NR
425	76	NR	555	330	NR	685	41	NR	815	1	NR	945	0	NR
430	125	NR	560	333	NR	690	35	NR	820	1	NR	950	0	NR
435	193	NR	565	336	NR	695	30	NR	825	1	NR	955	0	NR
440	302	NR	570	336	NR	700	26	NR	830	1	NR	960	0	NR
445	432	NR	575	335	NR	705	22	NR	835	1	NR	965	0	NR
450	380	NR	580	332	NR	710	19	NR	840	0	NR	970	0	NR
455	213	NR	585	326	NR	715	16	NR	845	0	NR	975	0	NR
460	147	NR	590	319	NR	720	14	NR	850	0	NR	980	0	NR
465	104	NR	595	307	NR	725	12	NR	855	0	NR	985	0	NR
470	65	NR	600	299	NR	730	10	NR	860	0	NR	990	0	NR
475	50	NR	605	291	NR	735	9	NR	865	0	NR	995	0	NR
480	46	NR	610	317	NR	740	8	NR	870	0	NR	1000	0	NR
485	47	NR	615	336	NR	745	7	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.99

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	60	NR	620	277	NR	750	6	NR	880	0	NR
365	0	NR	495	87	NR	625	278	NR	755	5	NR	885	0	NR
370	0	NR	500	124	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	168	NR	635	623	NR	765	4	NR	895	0	NR
380	1	NR	510	209	NR	640	162	NR	770	3	NR	900	0	NR
385	1	NR	515	246	NR	645	158	NR	775	3	NR	905	0	NR
390	2	NR	520	273	NR	650	134	NR	780	2	NR	910	0	NR
395	4	NR	525	292	NR	655	109	NR	785	2	NR	915	0	NR
400	5	NR	530	305	NR	660	91	NR	790	2	NR	920	0	NR
405	7	NR	535	313	NR	665	75	NR	795	2	NR	925	0	NR
410	11	NR	540	319	NR	670	70	NR	800	1	NR	930	0	NR
415	21	NR	545	323	NR	675	56	NR	805	1	NR	935	0	NR
420	42	NR	550	326	NR	680	47	NR	810	1	NR	940	0	NR
425	76	NR	555	330	NR	685	41	NR	815	1	NR	945	0	NR
430	125	NR	560	333	NR	690	35	NR	820	1	NR	950	0	NR
435	193	NR	565	336	NR	695	30	NR	825	1	NR	955	0	NR
440	302	NR	570	336	NR	700	26	NR	830	1	NR	960	0	NR
445	432	NR	575	335	NR	705	22	NR	835	1	NR	965	0	NR
450	380	NR	580	332	NR	710	19	NR	840	0	NR	970	0	NR
455	213	NR	585	326	NR	715	16	NR	845	0	NR	975	0	NR
460	147	NR	590	319	NR	720	14	NR	850	0	NR	980	0	NR
465	104	NR	595	307	NR	725	12	NR	855	0	NR	985	0	NR
470	65	NR	600	299	NR	730	10	NR	860	0	NR	990	0	NR
475	50	NR	605	291	NR	735	9	NR	865	0	NR	995	0	NR
480	46	NR	610	317	NR	740	8	NR	870	0	NR	1000	0	NR
485	47	NR	615	336	NR	745	7	NR	875	0	NR			

Summary

$R_f = 80.7$
 $R_g = 102.1$
 CIE $R_a = 82.1$
 $R_9 = 38.5$



Color Vector Graphics



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

CES01 = 85	CES26 = 69	CES51 = 90	CES76 = 58
CES02 = 61	CES27 = 89	CES52 = 90	CES77 = 76
CES03 = 31	CES28 = 83	CES53 = 80	CES78 = 60
CES04 = 69	CES29 = 66	CES54 = 91	CES79 = 85
CES05 = 48	CES30 = 76	CES55 = 89	CES80 = 79
CES06 = 50	CES31 = 69	CES56 = 79	CES81 = 81
CES07 = 41	CES32 = 62	CES57 = 77	CES82 = 91
CES08 = 40	CES33 = 74	CES58 = 79	CES83 = 88
CES09 = 29	CES34 = 72	CES59 = 93	CES84 = 89
CES10 = 74	CES35 = 84	CES60 = 95	CES85 = 84
CES11 = 57	CES36 = 98	CES61 = 92	CES86 = 82
CES12 = 63	CES37 = 77	CES62 = 89	CES87 = 81
CES13 = 43	CES38 = 83	CES63 = 80	CES88 = 86
CES14 = 74	CES39 = 94	CES64 = 80	CES89 = 79
CES15 = 71	CES40 = 88	CES65 = 77	CES90 = 85
CES16 = 47	CES41 = 89	CES66 = 74	CES91 = 83
CES17 = 49	CES42 = 74	CES67 = 72	CES92 = 77
CES18 = 56	CES43 = 73	CES68 = 78	CES93 = 86
CES19 = 71	CES44 = 98	CES69 = 83	CES94 = 69
CES20 = 65	CES45 = 82	CES70 = 69	CES95 = 80
CES21 = 86	CES46 = 82	CES71 = 64	CES96 = 86
CES22 = 78	CES47 = 80	CES72 = 88	CES97 = 83
CES23 = 91	CES48 = 79	CES73 = 60	CES98 = 81
CES24 = 90	CES49 = 80	CES74 = 98	CES99 = 83
CES25 = 71	CES50 = 89	CES75 = 62	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)