

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: P1444381

Luminaire Tested: EHBR1-24-UNV-TA-L840-UPL30

Issue Date: 5/1/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1444381  
REPORT IS A COMBINATION OF REPORTS P1444338 AND P1431635  
Test Lab: INNOVATION CENTER  
Issue Date: 5/1/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: EHBR1-24-UNV-TA-L840-UPL30  
Description: Elevate Round Highbay at, 24000 lumens, 4000K 80CRI LEDs with TA lens  
Light Source: -  
Ballast/Driver: -

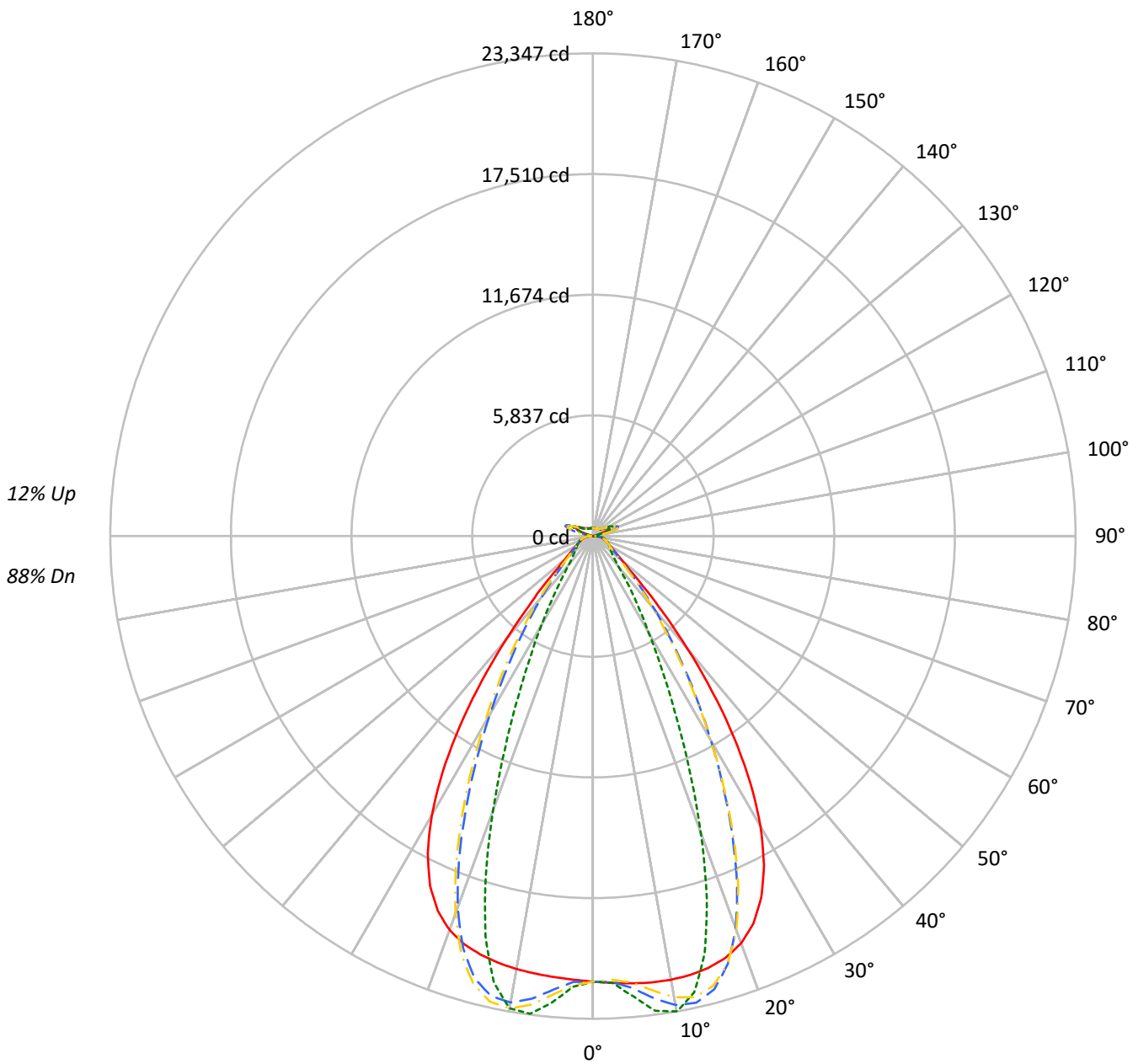
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28028.0 lumens  
Efficiency: N/A  
Efficacy: 186.5 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 0.77 / 0.88  
Luminous Opening: Vertical Cylinder (Dia: 1.71' x H: 0.1')  
CIE Type: Semi-Direct

Input Watts (W): 150.3  
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

TEST NUMBER: P1444381  
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### Luminous Intensity Polar Plot



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



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88			88
1	109	106	102	100	105	102	100	97	96	94	92	90	89	87	85	84	83	80			80
2	102	96	91	87	99	93	89	85	88	85	82	84	81	78	79	77	75	72			72
3	96	88	82	77	93	86	80	76	82	77	73	77	74	71	74	71	68	66			66
4	90	81	75	70	87	79	73	69	75	71	67	72	68	65	69	65	63	61			61
5	85	75	68	63	82	73	67	62	70	65	61	67	63	59	64	61	58	56			56
6	80	70	63	58	77	68	62	57	65	60	56	63	58	55	60	56	53	52			52
7	75	65	58	53	73	64	57	53	61	56	52	59	54	51	57	53	50	48			48
8	71	61	54	49	69	59	53	49	57	52	48	55	51	47	54	49	46	45			45
9	67	57	50	46	66	56	50	45	54	49	45	52	47	44	51	46	43	42			42
10	64	53	47	43	62	53	46	42	51	45	42	49	45	41	48	44	40	39			39

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	101205	101205	101205	101205
5°	101695	104660	100272	106031
10°	102544	109885	100084	109158
15°	103046	99610	99910	95599
20°	101981	74206	98643	68658
25°	96529	46931	93339	42582
30°	84326	28202	81059	25774
35°	64897	17697	61164	15677
40°	41053	11101	37561	10431
45°	21159	8649	20809	8506
50°	12406	7692	12025	7573
55°	9504	7278	9152	7213
60°	8041	7435	7700	7338
65°	7553	7763	7264	7499
70°	7379	8130	7011	7824
75°	7891	8621	7464	8241
80°	8164	9546	7404	8716
85°	7690	9212	6215	7888

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 25°  
 Vertical Angle: 45°  
 Luminance: 32382 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2123.9	7.6
10°-20°	5974.7	21.3
20°-30°	6804.7	24.3
30°-40°	4890.9	17.5
40°-50°	2255.7	8.0
50°-60°	1079.4	3.9
60°-70°	787.6	2.8
70°-80°	598.4	2.1
80°-90°	277.6	1.0
90°-100°	89.8	0.3
100°-110°	542.8	1.9
110°-120°	1003.3	3.6
120°-130°	606.9	2.2
130°-140°	381.1	1.4
140°-150°	275.5	1.0
150°-160°	187.4	0.7
160°-170°	110.7	0.4
170°-180°	37.4	0.1
0°-30°	14903.3	53.2
0°-40°	19794.2	70.6
0°-60°	23129.3	82.5
0°-90°	24792.9	88.5
90°-120°	1635.9	5.8
90°-150°	2899.5	10.3
90°-180°	3235.0	11.5
0°-180°	28028.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	21551	21551	21551	21551	21551	
5°	21713	22346	21410	22639	21713	2075
15°	21619	20898	20960	20056	21619	6091
25°	19277	9372	18640	8504	19277	8739
35°	11911	3248	11226	2877	11911	7310
45°	3424	1399	3367	1376	3424	2912
55°	1284	984	1237	975	1284	1186
65°	788	810	758	783	788	787
75°	556	607	526	580	556	578
85°	264	317	214	271	264	248
90°	82	101	31	36	82	50
95°	41	46	41	46	41	40
105°	193	251	128	251	193	257
115°	872	1064	914	1064	872	805
125°	646	687	733	688	646	589
135°	495	448	534	450	495	387
145°	429	424	458	427	429	271
155°	392	398	420	400	392	183
165°	384	386	399	388	384	109
175°	389	393	396	394	389	37
180°	394	394	394	394	394	



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**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8
2.5°	21633.2	21631.4	21631.0	21629.5	21629.1	21629.1	21628.4	21626.7	21625.6	21623.1	21620.2
5°	21713.4	21712.5	21713.1	21713.2	21711.7	21708.3	21703.1	21696.5	21688.5	21680.8	21673.9
7.5°	21775.5	21777.0	21779.0	21778.6	21773.8	21765.9	21755.1	21749.1	21752.6	21764.3	21791.2
10°	21786.8	21796.1	21799.6	21798.5	21789.2	21782.4	21785.0	21807.8	21853.3	21913.9	21996.8
12.5°	21742.6	21754.0	21753.6	21749.8	21740.7	21750.0	21783.1	21851.0	21948.5	22068.0	22208.3
15°	21618.6	21633.4	21629.1	21624.3	21618.2	21648.6	21714.7	21832.7	21983.2	22151.8	22324.4
17.5°	21377.8	21395.5	21387.0	21381.4	21376.3	21433.3	21546.8	21719.6	21909.2	22099.9	22263.5
20°	20960.1	20972.0	20951.5	20941.8	20950.0	21061.7	21228.9	21449.6	21649.4	21829.7	21941.5
22.5°	20278.4	20293.2	20254.6	20250.1	20297.8	20469.4	20680.9	20927.7	21115.3	21258.3	21301.4
25°	19276.8	19291.4	19245.6	19272.9	19353.9	19587.7	19839.6	20103.5	20263.7	20369.6	20340.4
27.5°	17925.0	17938.2	17894.7	17950.7	18078.7	18385.9	18682.3	18968.7	19111.5	19185.6	19091.6
30°	16220.0	16247.5	16196.2	16274.2	16469.6	16868.5	17208.1	17529.2	17671.5	17728.0	17581.7
32.5°	14194.9	14234.2	14177.6	14293.7	14566.3	15045.4	15431.2	15790.0	15947.4	16011.9	15846.6
35°	11911.0	11967.2	11902.3	12076.5	12412.9	12946.4	13373.7	13774.2	13960.6	14051.9	13885.5
37.5°	9491.3	9544.8	9509.7	9742.2	10111.5	10664.4	11100.6	11532.8	11743.2	11880.4	11749.1
40°	7115.6	7164.6	7191.2	7457.1	7804.5	8325.7	8744.6	9172.1	9407.6	9579.7	9498.7
42.5°	5022.2	5071.6	5162.0	5418.6	5708.3	6139.7	6498.6	6882.4	7107.4	7291.0	7259.8
45°	3423.5	3480.9	3594.3	3804.2	4013.8	4323.3	4586.8	4885.3	5069.1	5237.3	5239.3
47.5°	2399.1	2439.4	2540.6	2684.0	2820.6	3208.0	3224.0	3370.7	3494.3	3620.0	3636.2
50°	1848.9	1873.2	1926.9	2006.8	2084.2	2184.8	2276.8	2383.2	2459.2	2528.2	2544.6
52.5°	1519.7	1535.1	1562.4	1605.7	1650.6	1705.3	1754.6	1813.0	1854.3	1891.3	1898.9
55°	1284.4	1297.2	1337.8	1346.0	1397.4	1407.4	1429.1	1464.8	1488.8	1510.9	1516.4
57.5°	1106.9	1116.1	1124.7	1143.2	1159.0	1182.0	1200.5	1226.0	1241.2	1257.1	1258.5
60°	966.7	973.5	979.6	992.4	1003.1	1019.1	1031.9	1049.3	1060.2	1072.1	1073.5
62.5°	862.5	867.3	871.4	879.8	887.5	899.8	909.9	924.4	934.5	943.8	945.9
65°	788.4	791.9	794.6	800.9	807.6	818.1	827.3	839.1	846.6	853.6	855.1
67.5°	722.7	726.1	728.8	734.7	739.3	747.1	753.2	762.1	767.7	773.4	773.5
70°	647.5	650.6	652.7	658.2	661.9	668.6	673.5	681.6	687.2	693.6	695.2
72.5°	595.4	597.2	600.1	605.0	610.2	617.4	624.1	632.3	639.3	645.9	648.6
75°	555.9	558.0	559.8	564.0	567.7	573.7	578.7	586.2	592.3	599.3	602.8
77.5°	498.6	501.1	502.7	506.9	510.0	515.9	519.5	526.3	531.3	537.7	540.8
80°	429.5	431.9	433.0	437.0	439.4	444.8	448.4	455.0	459.1	465.5	469.3
82.5°	352.9	355.2	355.8	359.6	360.9	365.4	368.0	374.6	379.8	388.1	393.8
85°	264.3	265.1	266.4	265.4	270.7	271.1	277.2	278.3	286.3	288.4	297.5
87.5°	161.5	164.0	165.2	168.8	170.4	174.2	175.3	179.2	181.3	185.8	187.9
90°	82.0	86.7	88.8	94.0	96.2	101.0	102.8	108.2	110.3	115.7	119.2
92.5°	36.1	38.5	41.0	43.6	46.1	49.0	51.8	54.4	57.0	59.8	64.8
95°	41.3	44.1	46.9	49.8	52.7	55.5	58.3	61.2	64.1	66.9	75.3
97.5°	52.0	54.5	56.9	59.4	61.9	64.4	66.8	69.3	71.7	74.2	84.0
100°	68.0	70.1	72.1	74.3	76.4	78.4	80.5	82.6	84.7	86.8	105.1
102.5°	113.2	120.6	128.0	135.4	142.9	150.2	157.7	165.1	172.5	179.9	218.9
105°	193.0	213.1	233.3	253.4	273.4	293.6	313.7	333.7	353.8	373.9	437.4
107.5°	331.0	368.2	405.4	442.6	479.9	517.0	554.2	591.4	628.5	665.6	730.0
110°	613.2	642.9	673.0	702.9	732.9	762.9	792.9	822.5	852.6	882.5	929.5



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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°	827.2	840.8	854.3	867.9	881.5	895.0	908.5	922.1	935.6	949.1	982.8
115°	872.3	877.1	882.0	886.6	891.6	896.2	901.0	905.7	910.5	915.1	938.0
117.5°	846.1	845.2	844.6	843.8	843.0	842.2	841.4	840.5	839.7	838.8	851.6
120°	787.7	783.6	779.8	775.5	771.5	767.2	763.3	759.1	754.9	750.6	756.2
122.5°	714.3	709.4	704.8	699.6	694.8	689.8	684.9	679.6	674.7	669.7	671.9
125°	646.3	641.3	636.6	631.5	626.5	621.4	616.4	611.3	606.3	601.1	602.4
127.5°	586.9	583.6	580.3	576.5	573.1	569.5	565.9	562.1	558.7	554.8	555.3
130°	548.3	545.4	542.2	539.0	535.9	532.6	529.3	525.9	522.7	519.2	519.9
132.5°	516.5	514.5	512.4	510.0	507.8	505.4	503.1	500.5	498.1	495.7	496.5
135°	495.0	493.0	491.2	489.2	487.0	484.6	482.4	480.1	477.9	475.4	476.6
137.5°	476.8	475.0	473.3	471.3	469.4	467.2	465.2	462.9	460.9	458.7	459.7
140°	459.9	458.4	456.8	455.0	453.2	451.4	449.5	447.5	445.7	443.7	444.9
142.5°	441.2	439.9	438.8	437.4	436.1	434.5	433.1	431.3	429.9	428.3	429.9
145°	428.9	427.9	427.0	425.8	424.6	423.3	422.1	420.6	419.4	418.0	419.7
147.5°	418.0	417.2	416.4	415.6	414.7	413.5	412.5	411.4	410.4	409.3	411.0
150°	408.5	407.8	407.1	406.3	405.4	404.3	403.3	402.4	401.3	400.2	402.0
152.5°	398.7	397.8	397.1	396.4	395.5	394.4	393.6	392.6	391.6	390.6	392.1
155°	392.5	391.7	390.9	390.2	389.4	388.4	387.5	386.5	385.6	384.6	385.8
157.5°	388.4	387.7	387.2	386.4	385.9	385.2	384.5	383.8	383.1	382.4	383.2
160°	386.2	385.6	385.1	384.4	383.7	383.1	382.5	381.7	381.2	380.4	381.1
162.5°	384.2	383.6	383.0	382.3	381.7	381.0	380.4	379.8	379.2	378.5	379.4
165°	383.8	383.4	383.0	382.7	382.3	381.9	381.5	381.0	380.6	380.1	380.7
167.5°	386.7	386.1	385.7	385.1	384.5	384.0	383.5	382.9	382.4	381.7	382.3
170°	387.5	387.1	386.7	386.5	386.2	385.9	385.6	385.3	385.0	384.7	385.2
172.5°	389.2	388.9	388.7	388.6	388.3	388.1	387.9	387.6	387.5	387.1	387.9
175°	388.9	388.6	388.5	388.4	388.2	388.1	388.0	387.8	387.8	387.6	388.0
177.5°	391.4	391.3	391.3	391.3	391.3	391.2	391.1	390.9	390.9	390.9	391.2
180°	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7



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**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8
2.5°	21618.2	21615.6	21612.0	21607.4	21603.5	21599.0	21588.2	21585.0	21588.6	21591.0	21595.9
5°	21669.6	21671.1	21671.6	21681.5	21690.0	21711.2	21876.9	21942.8	21993.8	22026.1	22075.2
7.5°	21824.5	21874.3	21923.6	21989.8	22047.1	22124.2	22414.3	22537.8	22625.6	22688.7	22766.4
10°	22086.9	22195.7	22297.7	22417.2	22519.9	22637.5	22907.5	23027.8	23103.8	23159.1	23210.6
12.5°	22351.3	22502.1	22638.4	22771.4	22882.6	22984.6	23079.6	23121.7	23125.3	23127.1	23099.6
15°	22489.0	22633.2	22753.4	22841.2	22906.6	22935.5	22772.0	22686.3	22577.9	22488.6	22341.7
17.5°	22402.0	22488.6	22540.5	22535.4	22508.4	22418.0	21954.8	21700.2	21447.3	21219.5	20920.6
20°	22015.8	22009.1	21964.0	21836.1	21682.0	21442.5	20648.5	20190.5	19747.5	19358.6	18886.8
22.5°	21297.0	21183.9	21026.2	20750.5	20444.3	20025.6	18887.9	18214.1	17597.6	17052.9	16442.8
25°	20255.6	20022.9	19732.1	19294.4	18818.4	18207.8	16805.6	15967.5	15227.2	14585.3	13881.3
27.5°	18922.8	18572.3	18146.2	17540.3	16895.4	16113.2	14558.6	13633.7	12839.1	12150.8	11401.5
30°	17344.8	16889.0	16338.7	15586.8	14809.0	13921.9	12345.1	11408.3	10604.0	9895.9	9146.1
32.5°	15561.7	15027.8	14383.0	13539.1	12697.9	11785.7	10262.9	9356.2	8587.8	7906.6	7228.0
35°	13595.0	13022.5	12340.2	11479.5	10643.3	9756.5	8359.3	7541.7	6863.1	6261.0	5713.1
37.5°	11485.2	10923.1	10274.7	9463.5	8688.1	7884.5	6678.9	5993.8	5424.4	4924.6	4501.5
40°	9291.8	8799.9	8238.8	7537.4	6875.7	6206.6	5216.8	4673.0	4223.7	3842.6	3525.4
42.5°	7125.2	6744.0	6313.7	5759.5	5253.2	4743.5	3981.8	3578.9	3246.1	2971.7	2747.5
45°	5169.6	4914.5	4626.0	4240.7	3890.3	3534.9	2992.7	2709.6	2492.8	2315.9	2166.3
47.5°	3613.8	3465.9	3456.8	3100.8	2843.9	2626.5	2277.2	2098.4	1965.6	1858.4	1763.7
50°	2537.8	2466.3	2377.4	2250.4	2131.1	2008.2	1795.5	1687.4	1609.6	1544.6	1484.7
52.5°	1897.2	1860.1	1812.8	1745.3	1680.7	1611.6	1477.0	1408.1	1383.6	1323.2	1275.8
55°	1515.4	1494.0	1467.1	1427.5	1388.2	1372.4	1257.1	1206.0	1173.6	1149.8	1124.2
57.5°	1258.7	1242.9	1226.8	1200.0	1177.3	1149.8	1088.5	1062.3	1043.0	1029.0	1011.3
60°	1073.7	1064.2	1055.2	1039.5	1027.2	1012.3	973.5	958.7	948.7	940.2	928.9
62.5°	947.7	942.8	938.2	929.8	923.5	915.5	888.8	881.8	876.7	872.5	865.6
65°	856.6	853.2	850.6	845.0	841.9	837.2	814.4	809.5	806.5	804.9	800.9
67.5°	774.0	770.4	768.7	764.7	763.4	760.5	741.7	739.1	738.1	738.6	737.1
70°	696.7	695.2	696.0	695.3	697.1	697.6	686.3	686.2	687.4	689.9	690.1
72.5°	650.4	650.4	651.2	651.6	653.3	654.1	644.8	644.2	644.8	646.6	646.7
75°	606.3	607.0	609.4	610.2	612.2	612.6	600.2	598.7	598.7	600.5	600.0
77.5°	545.3	547.9	552.4	554.8	558.7	559.4	545.5	543.8	543.9	545.5	544.1
80°	476.0	481.1	488.4	493.4	499.3	501.7	487.2	483.8	480.7	480.2	477.3
82.5°	402.5	408.6	417.3	421.9	428.2	429.6	405.6	401.0	398.4	398.6	395.9
85°	307.2	311.9	319.8	322.4	326.3	325.9	298.5	286.8	289.9	284.9	288.8
87.5°	192.7	195.4	200.4	201.0	202.9	202.5	174.9	169.4	167.8	167.9	165.9
90°	125.7	129.7	136.0	138.1	143.0	144.7	124.4	123.8	120.2	119.4	114.9
92.5°	70.1	75.1	80.2	85.3	90.4	95.6	98.1	102.4	97.3	91.7	86.9
95°	83.6	91.9	100.3	108.7	117.0	125.3	133.7	142.1	134.3	126.4	118.7
97.5°	93.9	103.8	113.7	123.5	133.4	143.3	153.2	163.1	154.7	146.1	137.7
100°	123.5	142.0	160.3	178.7	197.1	215.5	233.9	252.4	236.2	220.0	203.8
102.5°	257.9	296.9	336.0	375.1	414.2	453.2	492.5	531.6	494.5	457.3	420.1
105°	500.8	564.0	627.4	690.7	754.0	817.3	881.0	944.3	885.0	825.6	766.3
107.5°	794.2	858.6	922.7	986.9	1051.2	1115.6	1180.1	1244.4	1186.6	1128.6	1070.8
110°	976.4	1023.3	1070.3	1117.1	1164.0	1210.9	1258.3	1305.3	1270.5	1235.8	1201.0



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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°	1016.3	1049.9	1083.5	1117.1	1150.5	1184.1	1218.4	1252.1	1234.7	1217.2	1199.9
115°	960.6	983.3	1005.9	1028.6	1051.3	1073.8	1097.4	1120.3	1114.7	1109.2	1103.8
117.5°	864.3	877.0	889.8	902.4	915.1	927.9	941.7	954.6	955.6	956.7	957.8
120°	761.7	767.1	772.5	778.0	783.4	788.7	795.6	801.2	806.1	810.8	815.7
122.5°	674.1	676.2	678.5	680.6	682.7	684.8	688.5	691.1	694.3	697.8	701.2
125°	603.5	604.7	605.8	606.8	607.8	609.0	612.0	613.4	613.8	614.1	614.5
127.5°	555.7	556.0	556.4	556.7	556.9	557.3	559.5	560.2	558.5	556.6	554.7
130°	520.5	521.2	521.9	522.7	523.3	524.0	526.6	527.8	524.5	521.0	517.7
132.5°	497.3	498.1	499.0	499.9	500.7	501.5	504.5	505.8	502.1	498.0	494.1
135°	477.5	478.6	479.6	480.5	481.5	482.7	486.0	487.6	484.0	480.2	476.6
137.5°	460.6	461.7	462.7	463.8	464.8	466.0	469.7	471.3	468.4	465.4	462.5
140°	446.1	447.2	448.5	449.8	451.0	452.3	456.4	458.3	456.1	453.7	451.4
142.5°	431.3	433.2	434.9	436.6	438.2	440.1	444.7	447.1	445.5	443.7	442.0
145°	421.6	423.5	425.4	427.3	429.2	431.2	436.5	439.2	438.2	437.1	436.0
147.5°	412.4	414.2	416.0	417.7	419.5	421.7	426.9	429.5	429.0	428.3	427.7
150°	403.5	405.3	407.0	408.9	410.9	412.9	418.6	421.6	421.1	420.5	419.8
152.5°	393.6	395.2	396.8	398.5	400.2	402.1	408.7	411.7	411.2	410.6	410.2
155°	387.1	388.4	389.6	391.0	392.3	393.8	400.8	403.5	403.3	403.0	402.7
157.5°	384.1	385.0	385.8	386.9	387.9	389.0	396.0	398.6	398.3	398.1	397.7
160°	381.8	382.6	383.2	384.0	384.7	385.6	392.8	395.1	394.9	394.6	394.3
162.5°	380.2	381.3	382.1	383.1	384.0	385.1	392.4	395.1	394.5	394.1	393.7
165°	381.3	381.8	382.4	383.1	383.7	384.3	391.1	393.2	393.1	392.8	392.5
167.5°	382.9	383.6	384.2	384.9	385.5	386.3	392.7	394.7	394.5	394.2	394.1
170°	385.6	386.3	386.6	387.4	387.9	388.6	393.8	395.5	395.3	394.7	394.4
172.5°	388.3	389.1	389.6	390.2	390.8	391.5	395.9	397.6	397.3	397.0	396.5
175°	388.4	388.9	389.4	389.9	390.4	391.0	394.4	395.6	395.5	395.4	395.2
177.5°	391.6	391.8	392.2	392.6	393.0	393.3	395.5	396.2	396.2	396.2	396.1
180°	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7



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**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8
2.5°	21597.0	21604.6	21605.7	21614.6	21613.9	21624.5	21622.8	21631.4	21626.4	21633.5	21627.5
5°	22104.3	22150.3	22174.4	22219.3	22233.4	22273.7	22285.0	22321.6	22323.1	22352.2	22345.6
7.5°	22821.5	22889.3	22929.5	22985.0	23013.2	23059.4	23079.8	23114.0	23125.0	23152.1	23154.2
10°	23249.7	23282.7	23305.6	23321.1	23335.2	23341.9	23349.7	23347.6	23349.7	23346.6	23353.2
12.5°	23081.3	23033.1	23001.4	22941.2	22906.3	22839.7	22807.0	22743.1	22719.9	22664.9	22657.0
15°	22228.2	22060.6	21942.2	21770.1	21661.8	21492.4	21393.3	21240.6	21170.7	21049.3	21017.4
17.5°	20673.3	20362.2	20121.6	19812.7	19598.5	19309.9	19128.4	18889.6	18758.7	18566.1	18499.4
20°	18493.4	18033.2	17672.1	17242.0	16934.1	16550.6	16305.1	15995.5	15815.7	15579.1	15483.2
22.5°	15934.1	15361.1	14910.2	14402.1	14030.6	13603.2	13309.1	12974.0	12778.5	12521.5	12407.7
25°	13296.3	12664.4	12163.1	11627.7	11235.3	10806.9	10512.7	10183.5	9981.1	9737.1	9624.0
27.5°	10773.4	10133.8	9649.3	9151.5	8791.6	8405.1	8139.5	7852.1	7672.5	7464.3	7357.8
30°	8547.0	7982.9	7570.6	7157.5	6858.1	6544.2	6323.5	6085.4	5927.8	5749.4	5648.1
32.5°	6733.2	6297.7	5974.8	5647.1	5402.0	5139.6	4948.9	4738.9	4596.6	4437.4	4345.6
35°	5332.6	4994.1	4736.6	4466.8	4256.4	4032.9	3864.9	3683.6	3555.9	3418.8	3339.5
37.5°	4213.3	3944.2	3732.3	3508.2	3335.2	3150.1	3087.7	2879.6	2747.4	2637.9	2562.2
40°	3306.6	3092.7	2917.3	2745.9	2604.8	2464.5	2351.8	2240.6	2155.2	2076.9	2022.7
42.5°	2582.2	2427.1	2299.1	2173.6	2070.7	1968.4	1886.7	1810.1	1752.6	1701.5	1666.6
45°	2052.7	1946.2	1857.2	1768.7	1696.1	1627.8	1572.8	1524.0	1486.9	1456.1	1434.3
47.5°	1686.3	1613.4	1550.6	1490.9	1441.7	1397.0	1360.1	1348.1	1308.2	1281.2	1271.0
50°	1433.2	1389.1	1341.4	1297.4	1264.5	1231.8	1207.9	1184.5	1169.5	1157.1	1153.4
52.5°	1244.2	1210.5	1184.0	1156.1	1134.4	1111.1	1094.7	1079.0	1070.9	1064.4	1063.6
55°	1103.7	1080.1	1062.6	1043.9	1030.9	1017.2	1008.7	1000.4	996.9	993.6	993.9
57.5°	997.4	981.7	970.3	958.1	951.1	944.5	942.4	940.3	941.4	941.9	943.7
60°	919.9	909.7	902.6	895.6	892.7	890.5	892.2	894.0	897.7	900.7	903.5
62.5°	860.6	854.7	851.3	847.5	847.2	847.4	850.5	853.6	858.4	861.9	864.5
65°	799.5	796.1	795.0	792.7	793.8	794.6	798.4	800.7	805.5	808.3	811.6
67.5°	737.8	737.0	737.7	737.7	739.8	741.7	745.3	748.1	752.0	754.6	757.4
70°	692.2	692.5	694.2	694.5	696.8	698.0	701.3	703.0	706.6	708.7	712.1
72.5°	647.8	647.1	647.5	646.5	647.3	647.0	648.7	649.6	652.6	654.3	658.3
75°	600.7	598.6	598.1	596.0	596.1	594.5	595.3	595.2	597.2	598.0	600.9
77.5°	543.5	540.2	538.6	535.1	535.0	533.7	535.1	535.9	539.4	541.1	544.4
80°	475.3	470.1	467.7	463.5	464.2	464.0	467.6	470.2	474.5	475.3	479.5
82.5°	395.1	389.8	387.3	383.1	384.1	384.1	387.4	388.0	391.7	393.3	398.1
85°	282.9	284.9	279.3	279.7	278.5	280.7	282.9	285.6	288.8	293.9	298.0
87.5°	166.6	165.9	167.9	168.1	171.0	172.5	177.2	179.8	184.9	189.1	196.4
90°	113.2	108.8	108.5	105.8	106.8	104.1	105.2	102.5	104.2	103.1	105.7
92.5°	81.1	76.1	70.4	65.4	59.8	54.9	52.1	49.8	47.1	45.0	42.2
95°	110.9	103.0	95.2	87.5	79.7	71.9	69.1	66.3	63.4	60.5	57.7
97.5°	129.4	121.1	112.7	104.2	95.9	87.5	85.6	83.6	81.8	79.9	78.0
100°	187.6	171.4	155.3	139.0	122.9	106.8	105.2	103.7	102.2	100.7	99.1
102.5°	383.1	346.1	309.1	271.9	234.9	197.8	191.3	184.8	178.4	171.9	165.5
105°	706.9	647.5	588.1	528.9	469.6	410.3	392.6	374.7	357.1	339.4	321.7
107.5°	1012.8	954.9	897.1	839.3	781.4	723.6	695.6	667.7	639.6	611.7	583.7
110°	1166.1	1131.4	1096.8	1061.9	1027.4	992.7	965.8	939.3	912.5	885.9	859.3



TEST NUMBER: P1444381  
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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°	1182.4	1165.2	1147.7	1130.5	1113.1	1095.9	1082.9	1069.8	1056.9	1043.9	1030.8
115°	1098.3	1092.8	1087.3	1082.1	1076.7	1071.3	1070.2	1069.4	1068.4	1067.6	1066.7
117.5°	959.0	960.1	961.1	962.3	963.5	964.6	971.7	978.5	985.6	992.8	999.9
120°	820.5	825.3	830.0	834.9	839.8	844.7	854.0	863.4	872.8	882.4	892.0
122.5°	704.6	707.9	711.3	714.8	718.3	721.7	730.9	740.3	749.6	759.1	768.7
125°	614.7	615.0	615.3	615.5	615.9	616.3	624.0	631.6	639.4	647.3	655.0
127.5°	552.9	550.9	549.1	547.4	545.4	543.6	548.2	552.8	557.5	562.2	566.9
130°	514.3	510.9	507.3	504.1	500.5	497.2	499.1	501.0	502.9	504.9	506.8
132.5°	490.1	486.1	482.1	478.2	474.1	470.1	470.2	470.3	470.4	470.6	470.9
135°	472.7	469.0	465.0	461.3	457.4	453.7	452.8	451.9	451.0	450.3	449.6
137.5°	459.5	456.6	453.5	450.5	447.5	444.5	443.0	441.9	440.5	439.5	438.4
140°	449.0	446.8	444.3	441.9	439.5	437.2	436.0	435.1	434.1	433.2	432.2
142.5°	440.2	438.5	436.7	435.1	433.3	431.5	430.4	429.4	428.5	427.6	426.7
145°	434.9	433.9	432.8	431.5	430.4	429.4	428.5	427.8	427.0	426.4	425.9
147.5°	427.1	426.5	425.8	425.1	424.4	423.7	423.1	422.8	422.2	421.9	421.4
150°	419.2	418.7	418.0	417.5	416.7	416.1	415.9	415.7	415.4	415.4	415.0
152.5°	409.5	409.0	408.4	407.9	407.2	406.6	406.4	406.3	406.1	406.0	405.6
155°	402.3	402.0	401.6	401.3	400.8	400.6	400.2	399.8	399.5	399.1	398.7
157.5°	397.4	397.1	396.7	396.5	396.0	395.7	395.4	395.1	394.7	394.4	394.0
160°	394.0	393.8	393.4	393.1	392.8	392.5	391.9	391.4	390.8	390.4	389.9
162.5°	393.2	392.7	392.3	391.8	391.2	390.8	390.4	390.0	389.7	389.4	389.0
165°	392.2	391.9	391.6	391.3	391.0	390.7	390.1	389.7	389.1	388.6	388.1
167.5°	393.7	393.5	393.2	393.0	392.6	392.2	391.8	391.3	390.8	390.3	389.8
170°	394.0	393.6	393.2	392.7	392.3	391.8	391.3	390.8	390.3	389.9	389.4
172.5°	396.2	396.0	395.5	395.2	394.7	394.3	393.9	393.5	393.1	392.6	392.4
175°	395.1	395.1	395.0	394.7	394.7	394.5	394.3	394.3	394.1	394.0	393.8
177.5°	396.1	396.0	396.0	395.9	395.8	395.8	395.5	395.3	395.0	394.7	394.6
180°	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7



TEST NUMBER: P1444381  
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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°	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8
2.5°	21633.7	21628.2	21630.8	21620.7	21623.1	21610.9	21609.8	21595.9	21594.6	21581.6	21576.7
5°	22366.2	22354.1	22367.7	22346.5	22350.7	22323.1	22320.8	22285.2	22272.9	22228.4	22209.1
7.5°	23171.2	23166.6	23174.9	23157.3	23156.7	23132.0	23121.9	23090.0	23070.2	23023.4	22993.5
10°	23347.6	23351.7	23344.9	23346.6	23337.1	23334.3	23324.5	23318.3	23302.2	23290.1	23272.3
12.5°	22615.2	22619.7	22591.7	22609.4	22595.4	22628.1	22625.4	22664.0	22669.9	22718.5	22737.0
15°	20922.7	20917.5	20863.8	20897.6	20879.5	20951.2	20967.3	21063.8	21115.3	21239.2	21315.3
17.5°	18365.9	18352.1	18276.6	18317.8	18296.8	18402.5	18438.1	18592.3	18688.6	18888.2	19030.4
20°	15318.1	15291.6	15203.3	15251.4	15229.9	15350.0	15400.7	15587.1	15711.2	15975.7	16163.8
22.5°	12232.4	12190.6	12104.2	12149.1	12128.7	12253.2	12319.1	12506.2	12648.3	12919.7	13139.3
25°	9461.5	9424.3	9340.6	9372.1	9364.5	9469.8	9528.4	9705.4	9845.1	10103.6	10313.2
27.5°	7216.5	7177.7	7102.1	7124.4	7116.8	7206.5	7261.8	7409.6	7529.8	7747.5	7931.4
30°	5523.2	5476.4	5412.4	5424.7	5419.4	5492.1	5543.6	5668.2	5771.3	5955.2	6113.7
32.5°	4233.5	4186.5	4127.7	4133.5	4125.7	4182.7	4225.2	4333.5	4423.3	4579.6	4717.7
35°	3239.2	3294.1	3168.4	3248.0	3165.1	3286.8	3243.0	3310.7	3387.9	3519.7	3634.8
37.5°	2490.2	2452.0	2419.6	2416.2	2415.9	2444.2	2477.5	2542.7	2610.7	2708.9	2810.3
40°	1973.3	1946.5	1925.6	1924.1	1925.6	1945.7	1970.3	2015.3	2065.1	2135.6	2210.1
42.5°	1636.7	1618.8	1606.2	1605.4	1609.4	1623.6	1640.7	1667.5	1699.9	1745.6	1796.6
45°	1416.5	1406.6	1399.7	1399.3	1401.1	1408.5	1418.4	1435.0	1455.6	1484.0	1516.4
47.5°	1262.1	1259.7	1255.3	1255.5	1253.5	1256.5	1257.6	1267.0	1277.9	1299.4	1341.7
50°	1149.7	1149.7	1146.6	1146.4	1143.6	1143.4	1141.0	1144.7	1149.9	1163.2	1176.6
52.5°	1060.8	1060.5	1057.1	1056.5	1053.5	1053.3	1051.3	1052.7	1053.4	1060.2	1068.2
55°	991.2	989.2	984.9	983.5	982.4	984.1	983.3	983.4	982.5	985.3	987.7
57.5°	941.4	938.7	934.6	933.4	933.1	935.2	935.2	934.5	930.8	928.3	924.6
60°	901.9	899.2	894.9	893.8	894.4	897.3	897.1	894.7	889.1	884.3	878.5
62.5°	863.2	862.1	859.9	859.6	859.0	859.5	857.4	854.9	849.4	844.2	838.1
65°	811.2	811.8	810.1	810.3	808.4	808.0	805.0	802.6	796.9	792.3	785.9
67.5°	757.3	757.7	756.2	756.2	755.2	755.4	753.6	751.3	746.6	742.7	737.9
70°	712.8	713.9	713.1	713.4	712.1	711.5	708.7	706.4	701.6	698.4	694.0
72.5°	659.5	661.9	661.8	662.4	660.5	659.5	656.1	653.2	648.9	646.3	642.8
75°	602.0	605.1	606.0	607.3	604.6	603.2	599.4	597.2	593.6	592.1	589.8
77.5°	545.9	549.3	552.5	555.6	551.2	547.3	542.5	539.0	533.9	531.8	528.2
80°	482.8	488.9	496.1	502.2	494.3	486.3	478.6	472.8	466.1	463.2	458.8
82.5°	400.6	406.7	411.0	414.8	409.4	403.5	396.0	391.0	383.6	380.9	375.8
85°	304.3	312.1	314.5	316.6	313.1	310.0	302.9	293.4	288.8	281.5	277.8
87.5°	200.2	204.8	205.6	206.3	204.2	202.7	198.2	193.7	185.8	180.0	173.0
90°	103.8	105.1	101.7	101.1	100.0	101.8	98.8	99.0	94.0	93.2	89.0
92.5°	39.9	37.2	34.7	32.3	35.1	37.2	40.1	42.2	44.9	47.1	49.8
95°	54.9	52.0	49.1	46.3	48.6	50.9	53.2	55.4	57.7	59.9	62.3
97.5°	76.1	74.3	72.3	70.4	71.7	73.1	74.4	75.7	77.1	78.4	79.8
100°	97.6	96.1	94.5	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
102.5°	159.0	152.6	146.1	139.6	144.0	148.3	152.8	157.1	161.4	165.8	170.3
105°	304.0	286.4	268.7	251.0	268.1	285.2	302.3	319.4	336.5	353.9	370.9
107.5°	555.7	527.8	499.9	471.9	503.2	534.4	565.4	596.6	627.8	659.0	690.3
110°	832.7	806.1	779.6	752.9	786.0	819.0	852.1	885.1	918.3	951.3	984.5



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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°	1017.9	1005.0	992.0	979.1	1000.4	1021.7	1042.9	1064.4	1085.7	1107.1	1128.3
115°	1065.9	1065.1	1064.4	1063.6	1073.7	1083.8	1093.8	1103.9	1114.1	1124.2	1134.4
117.5°	1006.9	1014.0	1021.2	1028.5	1031.7	1034.9	1038.3	1041.5	1044.9	1048.3	1051.6
120°	901.5	911.0	920.7	930.4	929.1	927.8	926.5	925.2	924.0	922.8	921.8
122.5°	778.1	787.7	797.4	807.0	804.2	801.2	798.5	795.8	793.1	790.5	787.8
125°	663.2	671.1	679.3	687.3	684.5	681.6	678.9	676.2	673.4	670.8	668.4
127.5°	571.8	576.7	581.7	586.7	585.4	584.1	583.0	581.7	580.7	579.7	578.7
130°	509.0	511.3	513.7	515.8	516.2	516.6	517.2	517.7	518.5	519.1	519.9
132.5°	471.4	471.8	472.3	472.9	474.4	475.9	477.7	479.4	481.3	483.0	485.2
135°	449.1	448.6	448.1	447.8	450.1	452.2	454.8	457.1	459.8	462.4	465.2
137.5°	437.5	436.5	435.8	434.9	437.2	439.4	441.8	444.4	446.9	449.6	452.5
140°	431.3	430.6	430.1	429.4	431.8	433.9	436.3	438.7	441.3	444.0	446.8
142.5°	426.0	425.2	424.6	424.1	426.0	428.1	430.3	432.6	435.0	437.4	439.8
145°	425.3	424.7	424.3	423.9	425.3	426.8	428.4	430.0	432.0	433.6	435.6
147.5°	421.1	420.8	420.6	420.3	421.5	422.5	423.8	424.9	426.2	427.5	429.0
150°	415.0	414.8	414.8	414.8	415.5	416.2	417.0	417.7	418.6	419.4	420.6
152.5°	405.7	405.5	405.6	405.6	406.2	406.8	407.6	408.2	409.1	409.9	411.0
155°	398.6	398.4	398.1	397.8	398.1	398.4	398.7	398.9	399.4	399.7	400.1
157.5°	393.9	393.6	393.4	393.1	393.1	393.1	393.2	393.2	393.3	393.3	393.5
160°	389.5	388.9	388.5	388.1	388.3	388.4	388.6	388.7	389.0	389.3	389.5
162.5°	388.8	388.5	388.2	387.9	387.7	387.4	387.3	387.0	386.7	386.5	386.5
165°	387.6	387.1	386.6	386.0	386.0	386.0	385.9	385.9	385.8	385.8	385.9
167.5°	389.4	388.8	388.4	387.9	387.5	387.0	386.6	386.2	385.9	385.5	385.3
170°	389.1	388.6	388.2	387.8	387.6	387.4	387.3	387.1	387.0	386.9	386.9
172.5°	392.0	391.6	391.2	390.9	390.7	390.5	390.5	390.4	390.2	390.2	390.2
175°	393.7	393.6	393.5	393.3	393.0	392.8	392.6	392.4	392.3	392.0	391.8
177.5°	394.3	394.0	393.8	393.6	393.5	393.5	393.5	393.5	393.5	393.4	393.4
180°	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7



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**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8
2.5°	21562.7	21557.1	21542.1	21534.8	21521.0	21514.0	21503.2	21496.2	21487.6	21481.1	21477.8
5°	22160.2	22132.6	22077.3	22043.3	21983.6	21944.3	21885.1	21841.6	21780.5	21735.3	21677.5
7.5°	22937.4	22895.1	22824.3	22770.7	22687.2	22623.4	22529.7	22454.8	22351.3	22265.3	22159.6
10°	23253.9	23229.2	23197.4	23162.9	23116.7	23071.3	23007.3	22942.1	22855.3	22768.8	22655.9
12.5°	22786.1	22809.4	22855.3	22876.7	22911.7	22923.6	22939.7	22932.1	22917.9	22882.6	22831.5
15°	21461.5	21558.6	21711.9	21818.0	21966.6	22071.0	22209.1	22298.0	22400.4	22461.6	22519.7
17.5°	19282.5	19470.2	19740.8	19956.7	20246.5	20482.2	20770.9	20997.7	21259.6	21460.5	21674.4
20°	16491.5	16754.3	17128.0	17445.2	17865.2	18221.2	18677.5	19059.7	19505.5	19877.1	20278.3
22.5°	13487.7	13796.9	14224.9	14607.6	15109.1	15557.0	16128.6	16634.0	17236.6	17776.6	18373.8
25°	10653.9	10956.9	11392.9	11789.2	12330.6	12824.0	13448.5	14028.2	14727.6	15379.8	16128.6
27.5°	8223.8	8493.0	8876.3	9232.9	9728.7	10213.1	10846.9	11465.1	12211.4	12912.3	13719.3
30°	6351.0	6569.5	6876.5	7163.5	7561.5	7957.7	8522.2	9093.9	9836.5	10562.9	11390.2
32.5°	4921.9	5108.1	5364.4	5597.3	5904.1	6202.7	6618.5	7075.3	7726.8	8422.5	9222.5
35°	3810.1	3969.4	4187.6	4388.2	4640.4	4877.6	5187.8	5513.9	6011.0	6596.2	7312.1
37.5°	3037.6	3102.6	3258.3	3422.6	3632.2	3827.0	4069.7	4310.9	4666.5	5128.2	5713.1
40°	2310.1	2413.2	2540.0	2669.4	2828.0	2984.3	3250.6	3378.7	3612.9	3944.4	4398.2
42.5°	1863.9	1936.5	2025.7	2115.7	2226.3	2335.0	2469.7	2606.9	2781.9	3006.4	3329.3
45°	1559.8	1607.0	1664.5	1724.6	1797.1	1871.4	1961.6	2055.7	2174.4	2312.4	2508.5
47.5°	1356.6	1382.7	1420.3	1461.2	1511.0	1562.4	1621.1	1681.0	1754.8	1836.6	1948.3
50°	1198.0	1219.8	1248.9	1276.3	1310.7	1363.4	1386.7	1419.8	1464.1	1512.3	1574.7
52.5°	1083.2	1097.7	1116.1	1131.8	1153.5	1173.2	1199.1	1221.9	1252.6	1281.5	1321.9
55°	993.9	999.1	1009.5	1019.6	1034.6	1048.1	1065.9	1080.8	1100.4	1117.7	1143.1
57.5°	924.8	925.3	930.1	935.3	945.0	953.5	965.7	975.5	989.1	1000.1	1015.4
60°	875.2	872.6	873.5	875.4	880.8	886.3	894.2	900.5	909.1	915.3	923.8
62.5°	833.9	829.8	828.8	828.3	831.0	833.0	837.3	840.4	845.2	848.0	852.5
65°	781.8	776.9	775.0	772.7	773.5	772.9	774.5	774.6	777.0	777.6	780.3
67.5°	734.5	730.4	727.9	724.9	723.6	721.4	720.4	718.3	718.0	716.3	715.9
70°	691.4	687.3	685.3	682.5	681.1	678.1	676.4	672.9	670.8	667.6	665.7
72.5°	641.4	639.2	638.6	636.7	636.2	634.6	633.9	631.3	629.9	627.1	625.6
75°	589.3	587.4	587.2	585.3	585.2	583.3	582.8	580.2	578.9	576.0	574.8
77.5°	527.1	524.4	523.7	521.4	522.0	520.9	521.8	519.8	518.9	516.1	515.2
80°	457.2	453.6	452.2	449.3	450.1	448.7	450.1	449.9	450.9	448.7	448.3
82.5°	374.2	370.4	369.7	367.7	369.0	369.2	372.1	370.5	371.1	369.1	370.0
85°	272.3	269.5	265.5	265.0	262.3	265.0	261.5	263.9	260.1	262.7	259.2
87.5°	168.8	163.0	159.8	155.6	154.0	149.9	148.2	145.3	146.2	144.8	145.6
90°	89.3	85.8	87.2	85.6	87.7	86.7	89.7	89.7	93.0	92.9	96.6
92.5°	52.1	54.5	59.0	63.8	68.2	72.7	77.3	82.0	86.5	91.2	95.6
95°	64.5	66.8	72.8	78.9	85.1	91.1	97.3	103.3	109.5	115.5	121.6
97.5°	81.1	82.4	88.5	94.6	100.7	106.8	112.9	119.2	125.2	131.4	137.4
100°	93.0	93.1	110.4	127.7	145.0	162.3	179.7	197.0	214.3	231.7	248.9
102.5°	174.7	179.0	222.7	266.5	310.2	353.9	397.5	441.3	485.0	528.9	572.7
105°	388.1	405.2	471.9	538.6	605.2	672.0	738.8	805.7	872.3	939.1	1005.9
107.5°	721.4	752.6	813.0	873.3	933.4	993.9	1054.2	1114.5	1174.8	1235.1	1295.7
110°	1017.5	1050.7	1091.0	1131.4	1171.9	1212.2	1252.7	1293.1	1333.6	1374.1	1414.6



TEST NUMBER: P1444381  
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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°	1149.6	1171.0	1194.6	1218.1	1241.7	1265.2	1288.8	1312.3	1336.0	1359.6	1383.3
115°	1144.6	1154.9	1163.9	1173.2	1182.1	1191.4	1200.6	1210.0	1219.3	1228.6	1237.8
117.5°	1054.9	1058.4	1059.8	1061.3	1062.6	1064.2	1065.7	1067.3	1068.9	1070.5	1072.1
120°	920.6	919.6	918.0	916.5	914.9	913.4	912.1	910.6	909.3	907.9	906.5
122.5°	785.1	782.7	781.2	779.7	778.3	777.0	775.6	774.4	773.2	771.9	770.6
125°	665.7	663.4	664.7	665.9	667.4	668.7	670.1	671.6	673.0	674.4	675.9
127.5°	577.7	576.9	580.3	583.8	587.3	590.9	594.4	598.0	601.6	605.3	608.7
130°	520.7	521.8	526.2	530.6	535.2	539.8	544.4	549.0	553.5	558.1	562.6
132.5°	487.1	489.4	493.5	497.9	502.2	506.6	511.1	515.5	519.8	524.4	528.6
135°	468.0	471.0	474.8	478.9	482.8	486.9	490.9	495.0	498.8	503.0	506.8
137.5°	455.2	458.2	461.3	464.5	467.6	471.0	474.1	477.5	480.5	483.8	486.9
140°	449.5	452.4	454.0	456.1	457.9	459.7	461.4	463.3	465.0	467.1	468.7
142.5°	442.3	445.2	446.2	447.3	448.5	449.8	450.9	452.0	453.1	454.3	455.3
145°	437.4	439.5	439.5	439.6	439.8	439.9	439.9	440.1	440.1	440.2	440.2
147.5°	430.4	432.0	431.5	431.5	431.3	431.0	430.9	430.7	430.4	430.3	430.0
150°	421.5	422.6	422.0	421.7	421.0	420.6	419.9	419.5	418.9	418.5	417.8
152.5°	411.7	412.7	411.9	411.5	410.8	410.3	409.5	409.0	408.2	407.7	407.1
155°	400.4	400.9	400.5	400.2	399.9	399.5	399.1	399.0	398.8	398.4	398.2
157.5°	393.6	393.7	393.5	393.3	393.1	392.9	392.8	392.7	392.6	392.6	392.6
160°	389.6	390.0	389.7	389.5	389.3	389.1	389.0	388.9	388.8	388.9	388.9
162.5°	386.2	386.1	385.9	385.7	385.6	385.4	385.3	385.4	385.3	385.4	385.4
165°	386.0	386.2	385.7	385.4	385.1	384.8	384.5	384.3	384.2	384.0	383.9
167.5°	385.1	384.9	384.9	384.9	384.9	385.0	385.1	385.4	385.5	385.8	385.9
170°	386.7	386.9	386.5	386.4	386.2	386.1	386.1	385.9	385.9	385.9	385.7
172.5°	390.2	390.2	389.8	389.4	389.1	388.7	388.3	388.1	387.8	387.5	387.1
175°	391.5	391.3	391.1	390.9	390.7	390.4	390.3	390.0	389.8	389.6	389.4
177.5°	393.3	393.1	393.0	393.0	393.0	392.9	392.9	392.8	392.8	392.8	392.6
180°	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7



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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°	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8
2.5°	21473.4	21473.1	21471.1	21472.0	21472.4	21473.9	21475.9	21477.8	21478.1	21479.7	21480.0
5°	21634.1	21581.0	21541.7	21498.5	21466.0	21436.7	21417.2	21401.8	21395.7	21397.3	21400.9
7.5°	22069.9	21960.2	21869.8	21766.9	21681.1	21590.3	21514.9	21443.4	21391.2	21352.4	21330.6
10°	22548.0	22414.5	22286.7	22137.9	21996.6	21846.0	21709.4	21572.0	21457.4	21357.8	21284.8
12.5°	22760.3	22665.9	22555.4	22414.9	22263.8	22089.9	21914.3	21726.1	21550.9	21388.5	21257.4
15°	22535.6	22535.8	22495.6	22428.1	22323.1	22184.2	22016.9	21820.6	21614.1	21403.3	21210.7
17.5°	21822.3	21956.9	22031.8	22079.1	22064.6	22013.5	21906.9	21756.3	21563.6	21339.1	21104.1
20°	20597.5	20915.0	21141.3	21344.8	21458.8	21534.6	21527.0	21465.7	21328.5	21137.6	20893.0
22.5°	18881.8	19414.6	19834.9	20226.9	20501.8	20725.5	20831.7	20876.9	20814.8	20681.8	20451.9
25°	16797.8	17522.2	18140.3	18740.2	19190.2	19576.9	19809.3	19973.1	19986.1	19916.6	19711.5
27.5°	14482.2	15337.2	16119.5	16916.8	17549.5	18105.5	18470.4	18737.3	18822.1	18811.0	18624.7
30°	12169.4	13067.1	13929.3	14859.0	15642.1	16352.4	16834.3	17195.4	17334.5	17361.2	17182.1
32.5°	9985.4	10870.5	11730.4	12702.3	13564.1	14378.0	14947.4	15376.4	15538.1	15576.2	15379.8
35°	8003.1	8819.7	9637.0	10579.0	11435.7	12278.6	12878.6	13327.6	13478.7	13504.2	13276.7
37.5°	6284.2	6979.9	7692.0	8537.2	9324.0	10115.7	10685.6	11107.7	11217.8	11210.9	10953.6
40°	4836.8	5377.8	5949.9	6645.8	7299.9	7969.1	8450.4	8799.3	8857.1	8814.3	8543.9
42.5°	3637.0	4027.7	4442.5	4962.0	5447.3	5948.2	6298.3	6557.3	6565.6	6497.9	6255.2
45°	2709.6	3090.8	3264.7	3578.7	3891.3	4224.4	4438.2	4598.2	4573.4	4513.9	4329.4
47.5°	2065.6	2212.0	2367.4	2562.2	2744.3	3122.1	3094.2	3351.1	3166.0	3292.3	3014.5
50°	1640.3	1722.2	1805.9	1909.2	2004.4	2103.2	2164.9	2210.9	2205.0	2185.2	2131.9
52.5°	1395.4	1420.8	1462.0	1520.8	1573.9	1627.3	1662.5	1691.1	1691.7	1683.6	1656.8
55°	1166.3	1198.5	1228.1	1266.5	1331.9	1342.0	1392.4	1382.1	1386.2	1372.1	1386.5
57.5°	1028.4	1047.0	1063.7	1086.6	1105.5	1127.6	1140.6	1153.1	1151.9	1149.2	1135.4
60°	930.6	940.9	950.2	963.5	973.9	986.3	992.4	998.7	996.6	991.9	979.7
62.5°	855.1	861.7	866.9	875.5	881.9	889.6	892.7	895.4	892.7	888.3	877.5
65°	780.8	785.0	788.3	794.8	799.2	805.9	808.5	811.0	808.6	805.2	796.9
67.5°	713.8	714.1	713.8	716.4	717.8	721.7	722.9	724.9	721.9	719.0	712.1
70°	662.8	661.8	660.5	661.6	661.8	663.7	664.0	663.7	660.3	655.1	647.6
72.5°	623.1	622.6	621.5	622.5	622.5	624.2	623.7	622.8	618.5	613.6	606.0
75°	571.9	571.6	569.7	569.7	568.1	568.7	566.6	565.4	560.7	556.6	549.8
77.5°	512.2	511.2	508.3	507.3	504.3	503.0	499.2	497.2	492.4	489.1	483.3
80°	445.4	444.4	440.7	438.7	434.0	430.9	425.2	421.9	416.3	413.1	407.5
82.5°	368.1	368.5	365.0	362.4	355.6	350.3	342.7	338.5	332.5	329.2	323.5
85°	261.8	258.1	260.0	259.9	255.6	251.0	244.8	240.4	235.3	232.3	228.2
87.5°	143.6	144.5	143.5	142.6	139.5	137.2	132.4	129.8	126.0	124.2	121.2
90°	90.0	87.1	80.8	78.0	71.8	67.8	60.9	57.4	51.0	49.3	45.6
92.5°	90.4	85.3	80.3	75.0	70.1	65.0	59.8	54.7	49.5	47.6	46.1
95°	114.2	106.8	99.4	91.9	84.6	77.1	69.8	62.4	55.0	53.5	52.0
97.5°	128.6	120.0	111.2	102.5	93.8	85.1	76.4	67.7	58.9	58.0	57.0
100°	228.8	208.9	188.7	168.6	148.5	128.4	108.3	88.2	68.1	67.0	65.8
102.5°	523.9	475.0	426.4	377.7	329.0	280.2	231.5	182.6	133.9	126.8	119.9
105°	932.1	858.3	784.6	710.8	637.0	563.1	489.5	415.5	341.7	318.0	294.2
107.5°	1226.2	1156.8	1087.5	1018.2	948.8	879.4	810.0	740.6	671.2	629.4	587.7
110°	1359.5	1304.3	1249.4	1194.4	1139.3	1084.2	1029.1	974.0	918.9	882.8	847.1



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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°	1343.0	1302.5	1262.3	1221.8	1181.5	1141.1	1100.7	1060.2	1019.7	997.9	976.0
115°	1213.5	1189.2	1164.9	1140.5	1116.2	1091.7	1067.4	1042.9	1018.5	1006.9	995.3
117.5°	1059.7	1047.1	1034.7	1022.2	1009.7	997.1	984.6	972.0	959.4	955.3	951.2
120°	902.9	899.0	895.0	891.1	887.2	883.4	879.3	875.4	871.4	871.8	872.2
122.5°	772.0	773.3	774.7	775.8	777.2	778.3	779.8	780.9	782.1	785.0	788.0
125°	679.4	682.8	686.3	689.8	693.1	696.5	700.0	703.3	706.8	709.7	712.8
127.5°	612.8	616.6	620.5	624.4	628.4	632.1	636.1	639.7	643.6	646.3	649.0
130°	566.0	569.3	572.7	575.9	579.4	582.6	585.8	589.3	592.5	594.5	596.5
132.5°	531.6	534.6	537.6	540.5	543.5	546.4	549.5	552.3	555.5	556.8	558.4
135°	509.1	511.3	513.5	515.5	517.9	520.0	522.3	524.5	526.8	527.7	528.7
137.5°	488.7	490.5	492.3	493.9	495.8	497.5	499.5	501.3	503.3	503.5	504.1
140°	470.6	472.4	474.3	476.1	478.3	480.1	482.2	484.2	486.2	486.6	487.1
142.5°	456.8	458.2	459.6	461.1	462.7	464.1	465.8	467.6	469.2	469.6	470.0
145°	442.0	443.8	445.6	447.3	449.1	451.0	453.1	455.1	457.1	457.2	457.5
147.5°	431.4	433.0	434.6	436.1	437.7	439.2	441.1	442.9	444.7	444.8	445.0
150°	419.5	421.2	422.9	424.5	426.3	428.1	430.0	432.0	434.1	434.5	434.9
152.5°	408.9	410.7	412.5	414.4	416.4	418.4	420.6	422.6	424.7	425.1	425.6
155°	400.0	401.7	403.6	405.5	407.4	409.4	411.4	413.4	415.4	416.1	416.6
157.5°	394.2	395.7	397.5	399.3	401.0	402.7	404.6	406.3	408.2	408.6	409.1
160°	390.3	391.7	393.2	394.7	396.3	397.8	399.5	401.1	402.7	403.1	403.6
162.5°	386.9	388.3	389.9	391.3	392.9	394.3	396.0	397.4	399.1	399.5	400.0
165°	384.9	386.0	387.2	388.2	389.3	390.4	391.5	392.7	393.8	394.3	395.0
167.5°	387.0	387.6	388.5	389.3	390.2	391.1	392.1	392.8	393.8	394.3	394.8
170°	386.6	387.3	388.1	388.9	389.7	390.5	391.3	392.0	393.0	393.4	394.0
172.5°	387.6	388.0	388.6	389.0	389.6	390.1	390.6	391.2	391.7	392.4	392.9
175°	389.7	389.9	390.2	390.4	390.6	390.9	391.2	391.6	391.9	392.3	392.8
177.5°	392.8	393.0	393.2	393.4	393.7	393.9	394.2	394.4	394.7	395.3	395.8
180°	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7



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**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8
2.5°	21479.3	21479.0	21478.3	21477.4	21476.4	21477.0	21477.9	21480.4	21484.6	21490.9	21499.1
5°	21403.8	21408.3	21410.7	21411.1	21408.8	21407.4	21409.6	21415.4	21427.3	21447.3	21474.2
7.5°	21324.8	21330.2	21338.5	21344.8	21345.9	21344.4	21344.8	21354.0	21376.0	21414.9	21469.4
10°	21240.4	21224.3	21232.8	21248.2	21260.5	21262.8	21264.3	21275.3	21307.4	21366.2	21453.8
12.5°	21162.4	21111.6	21101.8	21115.7	21134.4	21140.5	21138.8	21143.5	21181.1	21258.9	21381.0
15°	21059.8	20964.2	20931.6	20935.1	20958.2	20966.5	20960.5	20951.2	20987.9	21082.9	21241.0
17.5°	20893.9	20739.7	20679.7	20677.0	20704.1	20711.2	20696.4	20667.6	20703.7	20822.2	21018.5
20°	20641.6	20414.0	20300.9	20282.9	20312.3	20303.7	20274.0	20230.7	20278.1	20422.2	20655.5
22.5°	20188.0	19899.7	19706.5	19644.1	19679.2	19655.8	19612.6	19557.1	19620.1	19783.9	20043.8
25°	19446.8	19113.7	18849.1	18700.7	18728.7	18686.8	18639.8	18572.5	18647.6	18835.5	19121.7
27.5°	18357.3	17972.5	17644.8	17399.1	17408.1	17353.2	17299.0	17211.9	17305.8	17528.2	17850.9
30°	16908.7	16463.4	16064.2	15730.4	15700.5	15647.3	15591.7	15477.5	15594.9	15861.2	16238.2
32.5°	15089.4	14595.0	14133.8	13711.7	13632.0	13580.0	13530.6	13399.1	13552.9	13863.4	14296.5
35°	12961.8	12435.2	11935.2	11453.1	11321.1	11269.1	11225.8	11099.9	11291.7	11629.6	12097.5
37.5°	10626.5	10088.5	9592.1	9097.6	8911.3	8840.8	8809.4	8726.8	8948.1	9282.3	9752.1
40°	8229.1	7728.8	7283.8	6847.1	6634.6	6526.6	6510.2	6495.1	6709.1	6999.0	7425.5
42.5°	5986.3	5582.7	5239.5	4905.8	4713.2	4565.8	4565.7	4610.5	4803.1	5020.3	5349.1
45°	4140.9	3870.1	3651.4	3428.4	3488.0	3194.2	3366.8	3278.2	3373.5	3513.4	3727.2
47.5°	2846.5	2698.7	2578.5	2453.9	2363.1	2276.4	2284.0	2339.9	2429.6	2512.6	2623.9
50°	2074.6	1999.3	1938.1	1873.4	1828.2	1790.0	1792.2	1816.4	1863.5	1907.3	1965.5
52.5°	1625.6	1584.0	1550.8	1515.0	1491.3	1472.3	1473.3	1485.1	1510.6	1535.6	1569.0
55°	1339.9	1334.9	1291.6	1259.5	1247.3	1234.5	1236.8	1241.5	1258.8	1273.5	1295.6
57.5°	1122.8	1103.4	1090.4	1073.6	1065.8	1056.8	1058.8	1060.6	1072.2	1082.0	1097.9
60°	969.5	955.8	946.6	935.1	930.0	924.3	925.7	926.7	934.0	940.5	951.9
62.5°	867.7	855.4	847.5	838.6	834.9	831.1	832.0	832.3	837.0	841.7	850.3
65°	789.6	779.9	773.2	765.5	761.8	757.8	758.2	758.2	762.1	765.5	772.0
67.5°	707.0	699.6	695.3	689.2	686.7	682.7	682.6	681.3	683.8	685.2	689.6
70°	640.7	633.2	627.8	621.9	618.7	615.2	615.2	615.3	618.3	621.3	627.1
72.5°	599.7	592.6	587.7	582.7	579.6	576.5	576.0	575.7	577.9	579.6	583.3
75°	545.5	539.8	537.0	532.1	529.8	526.3	525.8	524.2	525.2	525.6	528.3
77.5°	479.7	474.3	472.0	467.2	465.1	461.2	460.9	459.2	460.0	459.4	461.6
80°	404.7	399.9	398.6	394.5	393.6	390.0	389.5	387.3	388.0	386.2	387.1
82.5°	321.0	316.5	315.6	311.9	311.9	308.7	308.5	305.2	305.2	302.4	298.0
85°	226.1	222.8	221.5	218.4	217.5	214.9	213.6	210.5	209.4	207.3	206.7
87.5°	119.4	117.2	115.4	114.0	111.3	106.7	106.2	102.9	103.2	100.9	101.0
90°	44.2	40.8	39.6	36.3	34.8	32.3	31.1	31.8	33.0	33.9	35.1
92.5°	44.4	42.7	41.1	39.4	37.6	35.9	34.2	35.9	37.6	39.4	41.1
95°	50.4	48.9	47.4	45.9	44.4	42.9	41.4	42.9	44.4	46.0	47.5
97.5°	56.1	55.1	54.2	53.2	52.3	51.3	50.3	51.4	52.4	53.3	54.3
100°	64.7	63.6	62.4	61.2	60.1	58.9	57.8	59.1	60.3	61.4	62.6
102.5°	112.9	105.8	98.9	91.8	84.8	77.8	70.7	77.8	84.8	91.9	99.0
105°	270.5	246.9	223.1	199.4	175.7	151.9	128.1	152.0	175.8	199.5	223.3
107.5°	545.9	504.3	462.5	420.9	378.9	337.2	295.4	337.2	379.0	420.9	462.6
110°	810.9	774.9	738.9	702.9	666.7	630.8	594.7	630.9	666.9	703.1	739.2



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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°	954.1	932.2	910.2	888.4	866.4	844.4	822.4	844.6	866.7	888.8	910.7
115°	983.9	972.2	960.7	949.0	937.4	925.8	914.0	926.0	937.8	949.5	961.3
117.5°	947.0	943.0	938.9	934.7	930.6	926.4	922.1	926.6	931.0	935.4	939.7
120°	872.5	872.9	873.2	873.5	873.8	874.0	874.2	874.4	874.4	874.4	874.3
122.5°	790.9	793.9	796.6	799.5	802.3	805.1	807.7	805.4	802.9	800.5	797.8
125°	715.7	718.7	721.6	724.6	727.4	730.3	732.9	730.7	728.3	725.8	723.2
127.5°	651.7	654.3	656.9	659.6	662.1	664.5	666.8	664.9	662.9	660.8	658.6
130°	598.5	600.7	602.5	604.4	606.2	607.9	609.4	608.3	607.0	605.8	604.3
132.5°	559.7	561.3	562.7	564.1	565.2	566.6	567.5	567.1	566.3	565.6	564.6
135°	529.7	530.6	531.3	532.3	533.1	533.8	534.2	534.3	534.1	533.9	533.5
137.5°	504.5	504.9	505.2	505.4	505.7	505.7	505.7	506.3	506.7	507.2	507.3
140°	487.4	488.0	488.4	488.7	488.9	489.1	489.0	489.7	490.0	490.4	490.6
142.5°	470.4	470.8	471.1	471.5	471.6	471.8	471.7	472.3	472.7	473.0	473.3
145°	457.7	457.8	458.0	458.1	458.0	458.0	457.6	458.6	459.1	459.7	460.2
147.5°	445.2	445.4	445.4	445.4	445.3	445.3	445.0	445.8	446.3	446.9	447.5
150°	435.4	435.9	436.3	436.7	436.9	437.1	437.1	437.6	437.9	438.2	438.3
152.5°	426.0	426.3	426.8	427.0	427.3	427.4	427.5	427.9	428.4	428.7	428.9
155°	417.1	417.7	418.1	418.6	418.9	419.3	419.6	419.9	420.2	420.3	420.6
157.5°	409.7	410.2	410.6	411.1	411.4	411.9	412.2	412.6	412.9	413.2	413.3
160°	404.0	404.6	404.9	405.4	405.8	406.2	406.5	406.9	407.2	407.4	407.7
162.5°	400.4	400.9	401.1	401.6	402.0	402.4	402.7	403.1	403.4	403.7	403.9
165°	395.5	396.1	396.6	397.2	397.8	398.4	398.9	399.1	399.1	399.2	399.3
167.5°	395.3	395.9	396.3	396.9	397.3	397.9	398.5	398.6	398.7	398.7	398.7
170°	394.4	394.9	395.3	395.8	396.3	396.8	397.2	397.2	397.2	397.3	397.3
172.5°	393.4	394.1	394.7	395.4	395.8	396.5	397.0	397.0	396.7	396.6	396.2
175°	393.2	393.8	394.3	394.9	395.2	395.8	396.4	396.0	395.9	395.7	395.4
177.5°	396.5	397.3	397.9	398.6	399.2	399.7	400.4	399.8	399.4	398.9	398.3
180°	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7



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**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8
2.5°	21510.6	21521.4	21537.8	21552.7	21575.1	21592.9	21619.5	21639.7	21669.7	21689.3	21721.9
5°	21512.5	21554.6	21610.0	21663.9	21728.8	21787.7	21861.0	21923.5	21997.0	22057.1	22132.4
7.5°	21542.9	21624.1	21721.3	21819.3	21930.2	22033.8	22150.7	22256.4	22372.1	22469.8	22576.8
10°	21565.4	21690.5	21833.9	21978.1	22130.0	22271.0	22413.4	22536.5	22651.5	22746.2	22829.7
12.5°	21534.9	21707.3	21891.3	22068.9	22237.8	22383.8	22506.2	22600.9	22666.3	22710.6	22721.0
15°	21431.5	21639.0	21839.0	22015.9	22156.0	22264.1	22320.0	22346.1	22318.1	22271.4	22168.8
17.5°	21238.2	21457.1	21636.0	21775.5	21849.5	21878.9	21832.5	21751.9	21594.4	21419.6	21167.1
20°	20884.1	21088.0	21217.7	21293.8	21274.0	21200.7	21025.8	20813.2	20498.7	20163.7	19721.4
22.5°	20262.7	20441.0	20510.1	20515.8	20394.9	20211.6	19896.1	19531.4	19035.3	18519.6	17885.3
25°	19330.1	19486.2	19497.2	19435.9	19214.7	18917.5	18454.2	17938.4	17264.3	16577.1	15782.3
27.5°	18065.2	18215.1	18178.3	18063.9	17756.9	17359.2	16766.1	16099.7	15268.7	14457.1	13577.8
30°	16475.4	16635.5	16592.4	16445.6	16080.4	15610.4	14912.5	14138.2	13215.6	12348.6	11457.7
32.5°	14572.6	14775.1	14745.3	14605.8	14224.8	13721.7	12964.4	12143.2	11199.3	10345.0	9478.3
35°	12409.9	12655.7	12668.4	12577.2	12223.4	11726.3	10978.5	10183.6	9279.5	8473.4	7672.7
37.5°	10079.8	10364.8	10423.4	10398.8	10105.5	9666.6	8985.3	8272.3	7471.2	6764.8	6080.1
40°	7736.8	8025.3	8125.4	8155.1	7938.7	7598.8	7039.7	6464.2	5811.1	5238.6	4695.0
42.5°	5600.2	5855.9	5952.6	6013.4	5878.4	5651.7	5243.9	4825.9	4347.5	3934.6	3538.8
45°	3889.4	4070.3	4143.9	4205.1	4131.6	4003.7	3746.1	3484.7	3169.0	2899.2	2643.7
47.5°	2719.4	2819.0	2867.7	2897.3	2868.9	2802.2	2661.9	2510.6	2332.3	2174.6	2023.0
50°	2015.6	2068.8	2094.1	2111.2	2090.5	2053.4	1977.5	1895.1	1797.2	1707.9	1620.7
52.5°	1597.3	1627.7	1642.9	1652.1	1640.2	1617.5	1573.3	1524.5	1465.8	1410.6	1381.6
55°	1345.6	1344.1	1379.0	1362.1	1379.0	1341.4	1333.4	1279.7	1231.0	1196.6	1159.4
57.5°	1109.7	1125.5	1132.2	1139.8	1134.8	1128.0	1109.2	1090.0	1064.3	1042.8	1019.9
60°	960.6	973.6	980.9	988.4	987.9	985.4	974.5	963.0	946.9	934.0	920.2
62.5°	857.9	869.2	876.4	883.5	884.2	883.1	874.9	866.9	855.9	847.9	838.3
65°	777.0	785.0	789.9	795.6	795.3	793.8	786.3	779.7	770.7	765.0	758.1
67.5°	692.5	698.4	702.3	707.6	708.7	709.0	704.9	701.9	697.4	695.8	693.4
70°	632.3	639.6	645.8	652.5	656.3	658.0	656.3	654.6	652.0	650.9	649.1
72.5°	586.8	593.0	597.7	603.9	607.3	609.8	608.4	607.6	605.3	605.0	603.8
75°	530.2	534.5	537.2	541.8	543.6	546.0	545.0	545.5	544.8	546.6	546.5
77.5°	462.3	465.5	466.7	470.0	470.4	473.1	473.8	477.1	479.4	484.5	487.2
80°	385.7	387.8	387.8	391.2	392.7	397.4	399.7	405.0	407.5	412.1	412.5
82.5°	299.7	297.4	299.7	298.3	302.6	307.9	308.7	313.2	314.2	317.1	314.8
85°	204.8	204.7	202.9	203.2	201.8	202.5	201.7	202.5	201.8	201.8	199.8
87.5°	98.2	99.1	96.9	97.6	95.6	96.5	94.6	96.1	93.9	94.2	91.0
90°	36.1	37.2	38.3	39.6	41.1	44.3	47.6	50.9	54.5	57.6	61.0
92.5°	42.7	44.5	46.2	47.9	49.6	54.8	59.9	65.1	70.3	75.3	80.4
95°	49.0	50.6	52.1	53.8	55.3	62.7	70.1	77.5	85.0	92.3	99.8
97.5°	55.3	56.3	57.2	58.2	59.2	68.0	76.7	85.5	94.2	102.9	111.6
100°	63.9	65.0	66.1	67.3	68.4	88.6	108.7	128.8	148.9	169.1	189.2
102.5°	106.0	113.1	120.2	127.2	134.3	183.1	232.0	280.7	329.4	378.3	427.0
105°	247.1	270.8	294.6	318.4	342.2	416.0	490.0	563.8	637.6	711.4	785.3
107.5°	504.5	546.3	588.2	630.0	671.8	741.3	810.7	880.2	949.7	1019.2	1088.4
110°	775.3	811.3	847.6	883.6	919.7	974.9	1030.2	1085.2	1140.4	1195.6	1250.7



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**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	932.9	954.8	976.8	998.7	1020.7	1061.3	1101.9	1142.4	1183.0	1223.2	1263.8
115°	973.1	984.7	996.4	1008.0	1019.8	1044.3	1068.7	1093.4	1117.9	1142.2	1166.7
117.5°	944.0	948.3	952.5	956.6	960.9	973.6	986.2	998.9	1011.6	1024.2	1036.8
120°	874.2	874.0	873.8	873.5	873.3	877.2	881.5	885.5	889.5	893.5	897.4
122.5°	795.4	792.5	789.9	787.1	784.4	783.2	782.1	780.9	779.9	778.6	777.5
125°	720.5	717.7	715.0	712.2	709.2	706.0	702.8	699.3	696.1	692.8	689.4
127.5°	656.5	653.9	651.6	649.1	646.6	642.7	639.1	635.3	631.6	627.7	624.0
130°	602.8	601.1	599.4	597.4	595.8	592.5	589.4	586.1	582.9	579.7	576.4
132.5°	563.7	562.5	561.5	560.1	559.0	556.0	553.3	550.3	547.5	544.6	541.8
135°	533.2	532.6	532.0	531.3	530.6	528.4	526.4	524.3	522.2	520.0	517.9
137.5°	507.6	507.5	507.4	507.3	507.2	505.5	503.8	502.1	500.5	498.6	497.0
140°	490.7	490.7	490.8	490.6	490.5	488.7	486.8	485.0	483.2	481.2	479.5
142.5°	473.4	473.5	473.5	473.4	473.4	472.0	470.7	469.3	467.8	466.4	465.0
145°	460.4	460.7	461.1	461.1	461.5	459.7	458.1	456.2	454.7	452.8	451.2
147.5°	447.9	448.2	448.6	448.8	449.2	447.7	446.4	444.9	443.6	441.9	440.7
150°	438.4	438.5	438.6	438.6	438.6	437.1	435.7	434.1	432.7	431.0	429.6
152.5°	429.0	429.2	429.4	429.5	429.7	428.2	426.6	424.9	423.3	421.6	419.9
155°	420.8	420.8	420.9	420.9	420.9	419.3	417.8	416.2	414.7	413.2	411.7
157.5°	413.5	413.6	413.8	413.9	414.0	412.7	411.4	410.0	408.6	407.2	405.9
160°	407.9	408.1	408.3	408.4	408.5	407.4	406.4	405.1	404.2	402.8	401.6
162.5°	404.2	404.4	404.6	404.7	404.8	403.7	402.8	401.6	400.5	399.2	398.1
165°	399.5	399.4	399.4	399.3	399.2	398.5	397.7	397.0	396.2	395.4	394.6
167.5°	398.9	398.8	398.8	398.7	398.6	397.9	397.7	397.0	396.4	395.9	395.3
170°	397.4	397.3	397.3	397.2	397.1	396.5	396.1	395.5	395.1	394.4	393.8
172.5°	396.1	395.8	395.6	395.4	395.1	394.7	394.3	394.0	393.7	393.3	392.9
175°	395.1	394.8	394.6	394.3	394.0	393.9	393.7	393.6	393.4	393.3	393.1
177.5°	397.8	397.3	396.7	396.3	395.8	395.6	395.5	395.3	395.2	395.1	394.9
180°	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7



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**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8
2.5°	21742.1	21607.8	21590.1	21599.6	21622.0	21630.2	21654.5	21661.1	21685.4	21691.5	21714.9
5°	22190.7	22013.3	22022.1	22064.8	22129.4	22167.9	22231.4	22264.6	22325.2	22352.8	22407.6
7.5°	22663.8	22524.4	22567.9	22639.8	22728.1	22789.4	22865.7	22915.3	22981.1	23021.8	23074.5
10°	22896.0	22857.9	22905.7	22962.3	23012.8	23052.2	23084.5	23110.4	23127.4	23143.2	23150.2
12.5°	22719.4	22778.4	22786.5	22781.0	22747.7	22722.2	22664.9	22626.0	22556.9	22514.8	22432.7
15°	22064.0	22194.0	22122.0	22013.1	21853.6	21720.7	21533.1	21393.3	21197.9	21065.3	20869.1
17.5°	20914.0	21078.1	20890.6	20638.5	20317.8	20043.5	19701.9	19430.7	19091.1	18844.0	18527.1
20°	19295.2	19448.5	19114.1	18696.2	18200.1	17782.6	17290.3	16897.5	16440.0	16099.7	15689.0
22.5°	17279.5	17388.7	16917.6	16354.3	15722.2	15200.7	14612.0	14141.1	13619.0	13230.0	12792.0
25°	15049.5	15079.0	14513.9	13864.9	13160.5	12574.4	11945.9	11450.7	10918.3	10524.0	10094.2
27.5°	12798.9	12755.6	12144.7	11456.6	10715.7	10106.4	9493.5	9029.5	8563.2	8208.0	7837.7
30°	10674.4	10569.8	9935.5	9228.2	8509.0	7962.9	7454.1	7081.5	6710.6	6428.7	6131.5
32.5°	8726.3	8578.7	7961.3	7298.7	6692.6	6271.2	5893.9	5612.0	5312.4	5074.4	4824.9
35°	7000.8	6843.5	6296.7	5734.9	5276.2	4965.5	4668.9	4437.7	4183.3	3982.4	3765.9
37.5°	5519.9	5391.1	4932.9	4490.9	4143.9	3903.1	3660.1	3471.2	3260.9	3172.6	2941.1
40°	4261.4	4171.3	3813.1	3487.2	3226.7	3113.6	2867.0	2690.3	2533.2	2403.6	2278.2
42.5°	3323.9	3292.1	2943.5	2689.3	2505.9	2363.4	2225.9	2114.4	2005.7	1916.4	1832.0
45°	2439.3	2414.0	2259.3	2112.5	1987.5	1887.9	1795.1	1718.3	1647.3	1588.5	1534.9
47.5°	1899.4	1891.4	1802.3	1711.3	1632.6	1568.6	1508.3	1457.3	1410.2	1370.9	1358.1
50°	1544.9	1543.9	1491.6	1435.4	1379.3	1342.4	1303.8	1273.8	1243.5	1220.0	1195.1
52.5°	1312.7	1307.0	1271.6	1237.0	1203.7	1179.4	1154.8	1135.6	1115.6	1101.0	1085.5
55°	1130.1	1136.0	1115.7	1095.0	1074.1	1058.9	1041.8	1029.1	1015.3	1006.1	996.8
57.5°	1003.2	1011.1	1000.4	988.7	976.0	966.1	954.2	945.4	936.3	930.4	925.0
60°	911.0	919.6	915.3	909.4	901.5	895.7	888.1	883.2	877.3	874.0	871.0
62.5°	832.7	843.5	842.0	839.2	834.1	830.9	826.8	824.6	820.6	819.2	817.8
65°	754.6	766.7	766.5	765.1	762.4	761.4	758.9	758.4	756.3	757.2	757.1
67.5°	693.2	703.8	706.1	707.7	707.6	708.3	708.0	709.1	709.1	710.6	711.5
70°	648.9	656.3	658.0	659.7	660.2	661.6	661.6	662.5	662.3	663.5	663.7
72.5°	604.1	613.7	615.5	616.9	616.9	618.3	617.5	617.3	615.4	615.0	613.7
75°	548.3	560.7	563.4	565.1	565.4	566.6	564.9	563.9	560.7	559.4	557.2
77.5°	490.1	503.0	504.9	505.5	504.5	504.7	501.2	498.7	494.7	493.0	490.9
80°	414.3	433.3	434.8	433.6	430.5	430.1	426.7	424.4	419.5	417.9	416.0
82.5°	315.2	337.4	340.5	342.0	339.5	340.1	336.8	335.5	331.1	330.2	327.3
85°	199.1	221.3	224.9	224.4	222.0	221.4	219.5	220.2	219.8	220.9	221.6
87.5°	91.4	112.9	118.2	116.4	116.2	114.7	111.3	112.5	114.6	115.9	116.0
90°	64.4	74.2	77.4	75.1	70.6	68.0	63.8	61.4	57.6	55.3	51.5
92.5°	85.6	90.7	95.9	91.3	86.8	82.1	77.6	73.0	68.5	63.8	59.3
95°	107.2	114.4	121.8	115.7	109.6	103.4	97.4	91.3	85.3	79.1	73.1
97.5°	120.4	129.0	137.6	131.6	125.4	119.3	113.2	107.1	101.0	94.8	88.7
100°	209.4	229.0	249.2	232.0	214.5	197.3	180.0	162.5	145.3	128.0	110.6
102.5°	475.6	524.3	572.9	529.1	485.3	441.6	397.9	354.2	310.5	266.6	222.9
105°	859.0	932.6	1006.3	939.4	872.6	805.9	739.1	672.3	605.6	538.8	472.1
107.5°	1157.8	1226.7	1296.0	1235.5	1175.2	1114.9	1054.5	994.2	933.7	873.5	813.2
110°	1305.7	1360.1	1415.1	1374.6	1334.1	1293.5	1253.1	1212.5	1172.1	1131.7	1091.3



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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°	1304.1	1343.7	1383.8	1360.0	1336.5	1312.8	1289.3	1265.5	1242.1	1218.4	1195.0
115°	1191.0	1214.3	1238.4	1229.1	1219.8	1210.5	1201.1	1192.0	1182.6	1173.5	1164.3
117.5°	1049.5	1060.7	1072.9	1071.3	1069.6	1067.9	1066.4	1064.7	1063.3	1061.8	1060.3
120°	901.5	904.0	907.5	908.8	910.2	911.5	912.9	914.3	915.7	917.1	918.6
122.5°	776.2	773.4	771.7	772.9	774.2	775.3	776.6	777.9	779.4	780.6	782.0
125°	686.0	681.0	677.0	675.5	674.2	672.7	671.3	669.7	668.5	667.0	665.7
127.5°	620.2	614.5	610.2	606.7	603.1	599.4	595.8	592.2	588.8	585.0	581.7
130°	573.3	568.0	564.2	559.6	555.2	550.5	546.0	541.4	536.8	532.2	527.8
132.5°	538.8	533.9	530.4	526.0	521.8	517.3	513.1	508.5	504.2	499.8	495.5
135°	515.8	511.4	508.7	504.7	501.0	496.9	493.0	489.0	485.0	481.0	477.2
137.5°	495.3	491.1	488.9	485.7	482.7	479.6	476.4	473.2	470.1	466.8	463.7
140°	477.6	473.1	470.8	469.1	467.5	465.6	463.9	462.1	460.4	458.7	456.8
142.5°	463.6	459.4	457.5	456.4	455.5	454.4	453.4	452.3	451.3	450.0	449.0
145°	449.5	444.8	442.4	442.3	442.5	442.4	442.4	442.4	442.4	442.2	442.2
147.5°	439.2	434.4	432.3	432.6	432.9	433.1	433.6	433.7	434.1	434.3	434.6
150°	427.9	422.6	420.0	420.7	421.2	421.8	422.4	422.9	423.5	424.1	424.6
152.5°	418.2	411.8	408.9	409.6	410.3	410.9	411.5	412.2	412.9	413.7	414.3
155°	409.9	403.0	400.0	400.2	400.5	400.7	401.0	401.4	401.8	402.1	402.6
157.5°	404.3	397.2	394.4	394.3	394.4	394.5	394.7	394.8	395.0	395.2	395.5
160°	400.5	393.4	390.7	390.6	390.7	390.8	390.8	390.8	391.0	391.2	391.5
162.5°	396.7	389.9	387.3	387.2	387.2	387.1	387.2	387.2	387.4	387.4	387.7
165°	393.8	387.9	385.6	385.7	385.9	386.0	386.2	386.5	386.9	387.1	387.5
167.5°	394.5	389.4	387.7	387.4	387.2	386.9	386.9	386.5	386.5	386.4	386.4
170°	393.1	389.1	387.4	387.5	387.7	387.7	387.7	387.8	387.9	387.9	388.1
172.5°	392.5	389.5	388.3	388.7	389.1	389.3	389.7	390.0	390.4	390.7	391.1
175°	392.9	391.1	390.6	390.6	390.8	391.0	391.2	391.3	391.5	391.7	392.1
177.5°	394.8	394.2	393.8	393.8	393.8	393.8	393.8	393.8	393.8	393.9	393.9
180°	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7



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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°	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8
2.5°	21719.2	21744.6	21742.6	21766.2	21765.1	21787.3	21782.9	21802.2	21797.7	21814.2	21804.6
5°	22431.7	22479.8	22495.8	22539.2	22548.2	22587.1	22587.9	22618.9	22615.1	22639.2	22626.4
7.5°	23105.6	23150.6	23171.9	23205.7	23222.5	23250.5	23261.5	23284.5	23289.9	23303.6	23303.2
10°	23162.5	23162.3	23172.9	23168.2	23177.6	23172.2	23183.7	23179.6	23196.5	23192.2	23205.0
12.5°	22397.2	22321.2	22293.6	22225.3	22210.4	22151.8	22156.0	22118.5	22136.6	22113.4	22152.8
15°	20752.4	20576.2	20489.2	20336.0	20287.9	20166.8	20157.0	20076.6	20098.3	20056.2	20117.7
17.5°	18321.9	18044.6	17892.3	17668.6	17579.8	17408.5	17374.2	17270.6	17286.7	17234.5	17308.8
20°	15424.1	15088.9	14896.9	14638.2	14522.7	14318.6	14264.4	14148.6	14163.1	14111.3	14195.3
22.5°	12493.1	12142.3	11925.6	11654.4	11507.0	11315.0	11257.4	11141.1	11147.6	11099.0	11179.8
25°	9799.8	9463.4	9253.0	9006.6	8878.8	8702.8	8642.3	8537.8	8543.7	8503.5	8576.0
27.5°	7580.8	7304.9	7128.8	6922.3	6807.7	6663.0	6604.0	6516.1	6515.8	6486.4	6547.0
30°	5924.0	5693.7	5535.6	5355.9	5248.2	5117.5	5060.5	4981.9	4978.5	4957.6	5005.7
32.5°	4638.4	4433.5	4289.4	4131.1	4034.5	3922.4	3868.4	3805.2	3799.5	3780.5	3820.1
35°	3605.8	3433.2	3309.2	3176.0	3185.8	3020.5	3048.0	2919.5	2884.7	2877.2	2906.5
37.5°	2786.9	2653.2	2552.5	2452.7	2385.2	2315.3	2277.6	2243.8	2240.0	2236.8	2257.3
40°	2181.4	2087.8	2014.6	1946.2	1899.6	1857.0	1833.5	1814.9	1810.4	1808.0	1820.4
42.5°	1765.4	1702.4	1655.2	1613.4	1585.1	1561.9	1549.0	1538.7	1535.3	1535.3	1542.7
45°	1491.6	1453.3	1422.9	1397.0	1378.9	1386.8	1363.5	1375.7	1359.5	1376.3	1365.2
47.5°	1313.5	1280.9	1262.1	1243.7	1232.8	1224.0	1224.3	1224.5	1228.0	1228.5	1232.1
50°	1176.2	1157.3	1144.2	1132.5	1126.9	1122.2	1123.7	1124.9	1128.4	1128.6	1131.2
52.5°	1074.5	1062.1	1054.2	1046.9	1044.4	1041.8	1042.9	1042.4	1043.9	1043.1	1045.2
55°	991.7	985.9	983.5	980.7	981.2	980.4	980.8	978.2	976.6	974.7	976.5
57.5°	923.8	923.0	924.7	925.9	929.0	930.1	930.8	927.8	924.8	922.2	923.7
60°	871.6	872.8	876.9	880.4	884.8	886.9	888.1	886.4	884.3	882.2	883.5
62.5°	819.9	821.9	826.9	830.6	836.1	838.9	842.0	842.1	842.9	842.1	843.0
65°	760.1	762.5	766.9	770.1	775.1	777.6	780.8	781.4	783.1	782.7	784.2
67.5°	714.5	716.8	720.5	723.5	727.9	730.5	733.2	733.4	734.0	733.9	735.4
70°	665.9	667.0	670.4	672.9	677.3	680.0	683.2	684.2	686.1	686.5	688.0
72.5°	614.2	613.7	615.7	616.8	620.2	622.3	626.4	628.6	631.9	632.8	634.1
75°	557.8	557.4	559.7	560.7	563.5	565.6	570.2	573.1	578.4	580.5	580.0
77.5°	492.6	493.7	498.1	500.7	504.5	507.1	513.0	517.7	527.2	531.3	527.1
80°	419.5	420.8	425.4	427.7	432.8	435.9	442.5	448.1	456.6	458.5	456.1
82.5°	329.8	330.1	334.4	336.1	342.7	347.4	355.8	360.1	365.4	364.7	363.9
85°	224.9	227.9	233.2	238.3	246.3	254.0	261.9	268.4	263.9	271.1	262.9
87.5°	120.2	119.9	126.9	125.8	137.0	143.5	150.3	153.6	157.3	156.5	156.6
90°	49.4	46.9	46.2	43.5	43.3	40.5	40.9	38.1	38.9	35.8	40.4
92.5°	54.7	52.4	49.7	47.4	44.8	42.5	39.9	37.4	34.9	32.5	34.9
95°	67.0	64.7	62.5	60.0	57.8	55.5	53.3	51.0	48.7	46.4	49.2
97.5°	82.6	81.3	80.0	78.7	77.4	76.0	74.7	73.4	72.0	70.7	72.6
100°	93.3	93.3	93.3	93.3	93.2	93.2	93.2	93.2	93.2	93.2	94.7
102.5°	179.1	174.8	170.4	166.0	161.6	157.3	153.0	148.5	144.2	139.8	146.3
105°	405.3	388.3	371.0	354.0	336.8	319.8	302.6	285.5	268.4	251.3	269.0
107.5°	752.9	721.6	690.4	659.3	628.0	596.8	565.6	534.6	503.4	472.2	500.2
110°	1050.9	1017.8	984.7	951.6	918.5	885.3	852.3	819.2	786.2	753.1	779.8



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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°	1171.3	1149.9	1128.5	1107.2	1085.8	1064.5	1043.2	1022.0	1000.7	979.4	992.4
115°	1155.1	1144.9	1134.7	1124.6	1114.4	1104.2	1094.1	1084.1	1074.0	1063.9	1064.7
117.5°	1058.8	1055.4	1052.0	1048.6	1045.2	1041.9	1038.6	1035.3	1032.1	1028.9	1021.6
120°	920.2	921.2	922.2	923.3	924.5	925.9	926.9	928.2	929.5	930.8	921.1
122.5°	783.4	785.9	788.4	791.1	793.7	796.4	799.0	801.9	804.8	807.6	797.9
125°	664.3	666.7	669.3	671.8	674.2	677.0	679.7	682.5	685.3	688.2	680.1
127.5°	578.2	579.1	579.8	580.9	581.8	582.9	584.1	585.4	586.7	588.1	583.0
130°	523.3	522.4	521.5	520.7	519.8	519.2	518.7	518.2	517.7	517.4	515.2
132.5°	491.1	489.1	486.9	484.9	483.0	481.3	479.5	478.0	476.3	474.9	474.2
135°	473.0	470.2	467.4	464.6	461.9	459.4	456.9	454.6	452.2	450.0	450.4
137.5°	460.6	457.8	454.9	452.1	449.4	447.0	444.4	441.9	439.7	437.5	438.3
140°	455.1	452.1	449.4	446.7	444.2	441.5	439.1	436.8	434.4	432.4	432.9
142.5°	447.9	445.5	442.7	440.4	437.9	435.6	433.4	431.3	429.0	427.1	427.7
145°	442.2	440.3	438.4	436.6	434.9	433.2	431.3	429.9	428.4	427.1	427.4
147.5°	434.8	433.5	432.0	430.6	429.1	428.0	426.8	425.7	424.6	423.6	423.7
150°	425.2	424.3	423.4	422.5	421.7	420.9	420.0	419.3	418.6	417.9	417.8
152.5°	415.0	414.2	413.3	412.5	411.8	411.0	410.3	409.7	409.0	408.3	408.2
155°	403.0	402.6	402.2	402.0	401.6	401.4	401.0	401.0	400.7	400.5	400.6
157.5°	395.7	395.7	395.5	395.5	395.4	395.5	395.3	395.5	395.3	395.5	395.6
160°	391.9	391.6	391.3	391.2	391.0	390.7	390.6	390.5	390.4	390.2	390.6
162.5°	387.9	388.1	388.2	388.4	388.6	388.8	389.0	389.3	389.5	389.8	390.0
165°	387.9	387.8	387.7	387.6	387.6	387.7	387.6	387.7	387.7	387.8	388.2
167.5°	386.3	386.6	386.7	387.1	387.3	387.6	387.9	388.3	388.7	389.2	389.6
170°	388.2	388.2	388.2	388.2	388.2	388.3	388.4	388.5	388.6	388.8	389.1
172.5°	391.4	391.4	391.3	391.4	391.3	391.4	391.4	391.5	391.5	391.6	391.8
175°	392.1	392.5	392.7	392.9	393.1	393.2	393.4	393.6	393.8	394.0	394.0
177.5°	393.9	394.0	394.0	394.0	394.0	394.1	394.1	394.1	394.1	394.0	394.2
180°	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7



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**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8
2.5°	21820.6	21809.6	21820.8	21809.5	21820.8	21807.3	21816.5	21801.8	21805.5	21790.3	21794.2
5°	22645.7	22628.2	22637.5	22614.9	22617.3	22587.1	22586.6	22551.5	22542.2	22502.1	22484.6
7.5°	23312.8	23307.2	23310.3	23295.8	23294.2	23273.5	23263.7	23234.6	23216.4	23179.6	23154.3
10°	23207.2	23224.3	23228.6	23245.9	23249.6	23266.7	23270.4	23287.5	23291.0	23303.8	23304.0
12.5°	22151.0	22208.7	22222.5	22293.9	22323.8	22405.5	22449.2	22539.2	22592.6	22682.3	22737.4
15°	20116.0	20215.9	20255.8	20395.1	20472.2	20634.8	20737.0	20923.6	21055.4	21253.8	21395.2
17.5°	17315.3	17455.0	17518.1	17706.9	17830.1	18070.2	18243.1	18527.9	18745.9	19062.3	19313.1
20°	14209.6	14364.8	14450.4	14665.9	14811.3	15091.7	15307.7	15657.6	15949.4	16350.3	16693.2
22.5°	11205.1	11352.8	11447.7	11667.0	11830.7	12123.2	12364.6	12733.9	13060.8	13512.6	13923.7
25°	8603.4	8738.7	8824.6	9022.9	9176.7	9445.5	9675.9	10031.1	10350.9	10804.2	11225.7
27.5°	6577.2	6690.6	6773.3	6942.3	7078.0	7306.0	7503.9	7797.5	8073.1	8465.2	8840.6
30°	5035.4	5135.9	5216.4	5363.6	5489.4	5686.9	5861.1	6107.7	6335.7	6647.7	6946.4
32.5°	3847.9	3934.4	4006.1	4135.0	4249.1	4427.0	4583.9	4800.0	4995.8	5260.4	5506.1
35°	2933.9	3104.1	3092.0	3269.8	3298.4	3426.1	3566.0	3755.0	3928.4	4153.3	4362.5
37.5°	2277.2	2325.0	2376.3	2454.9	2537.4	2653.7	2771.9	3002.8	3087.4	3257.5	3430.6
40°	1836.3	1868.7	1902.5	1955.6	2013.5	2095.3	2181.4	2291.5	2404.4	2542.3	2683.0
42.5°	1552.4	1570.7	1592.3	1623.5	1659.1	1711.1	1768.7	1843.3	1921.8	2018.9	2117.9
45°	1387.0	1378.3	1384.8	1401.5	1423.0	1454.5	1490.9	1537.1	1588.2	1651.0	1718.0
47.5°	1232.8	1236.3	1238.2	1247.3	1258.8	1280.0	1302.0	1333.4	1394.0	1412.5	1449.0
50°	1131.0	1132.6	1132.1	1136.7	1142.5	1156.3	1170.5	1191.8	1213.0	1241.2	1268.0
52.5°	1045.6	1047.9	1047.6	1050.7	1053.8	1062.5	1071.6	1086.6	1100.4	1118.4	1133.7
55°	978.1	981.5	982.8	985.3	986.8	991.3	995.0	1002.1	1008.0	1018.2	1027.6
57.5°	926.4	930.8	932.9	933.7	931.9	931.7	930.5	932.0	933.2	938.7	943.9
60°	885.5	889.1	889.6	889.1	885.8	883.4	879.5	878.3	877.7	880.4	883.2
62.5°	842.8	844.0	843.2	842.1	838.3	836.0	832.0	830.6	829.2	831.0	832.5
65°	783.7	784.8	783.7	783.1	779.7	777.7	774.4	773.3	771.4	771.9	771.6
67.5°	735.7	736.8	736.0	735.1	732.6	731.5	729.0	727.5	725.2	724.3	722.6
70°	687.8	688.7	687.3	686.5	683.8	682.7	680.4	680.0	678.0	677.7	675.8
72.5°	632.8	632.8	630.9	630.4	628.4	628.3	627.4	628.3	628.2	629.1	628.7
75°	576.5	575.7	573.3	572.9	571.4	572.1	571.1	572.4	572.6	574.6	574.9
77.5°	520.1	517.1	512.6	510.5	507.4	507.0	505.3	506.4	506.0	508.4	509.4
80°	448.9	445.3	439.4	436.7	433.1	432.5	430.9	432.5	431.7	434.5	436.5
82.5°	358.4	355.3	349.2	347.0	342.8	343.2	341.4	343.2	343.0	347.1	349.5
85°	265.1	263.0	256.8	251.2	245.1	241.6	238.0	237.4	236.3	238.0	239.4
87.5°	153.1	151.1	146.3	143.2	132.4	132.8	128.5	128.3	127.3	126.3	128.5
90°	40.8	44.7	45.3	48.9	49.8	54.0	55.1	59.1	60.0	64.4	65.8
92.5°	37.4	39.9	42.4	44.8	47.3	49.7	52.3	54.7	60.0	65.2	70.6
95°	52.1	55.0	57.8	60.6	63.5	66.4	69.2	72.0	79.8	87.6	95.4
97.5°	74.6	76.4	78.3	80.2	82.1	83.9	85.9	87.8	96.2	104.5	112.9
100°	96.3	97.8	99.3	100.9	102.4	103.9	105.4	107.0	123.2	139.3	155.5
102.5°	152.8	159.2	165.7	172.1	178.6	185.1	191.5	198.0	235.1	272.1	309.2
105°	286.7	304.3	322.0	339.7	357.4	375.0	392.8	410.5	469.8	529.1	588.5
107.5°	528.1	556.0	583.9	612.0	639.9	667.9	695.8	723.9	781.7	839.6	897.4
110°	806.3	833.0	859.6	886.3	912.8	939.6	966.1	993.0	1027.7	1062.3	1097.1



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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°	1005.3	1018.2	1031.2	1044.2	1057.2	1070.2	1083.3	1096.4	1113.6	1131.0	1148.2
115°	1065.5	1066.3	1067.1	1068.0	1068.9	1069.7	1070.9	1071.8	1077.2	1082.7	1088.0
117.5°	1014.5	1007.4	1000.3	993.2	986.2	979.2	972.3	965.4	964.2	963.0	962.0
120°	911.7	902.1	892.6	883.0	873.6	864.1	854.8	845.5	840.7	836.0	831.1
122.5°	788.4	778.9	769.5	759.9	750.6	741.2	732.0	722.8	719.5	716.0	712.7
125°	672.1	664.1	656.3	648.4	640.6	632.9	625.4	617.7	617.5	617.0	616.9
127.5°	578.1	573.2	568.4	563.7	559.1	554.4	549.9	545.4	547.3	549.2	551.1
130°	512.9	510.8	508.7	506.6	504.8	503.0	501.1	499.4	502.8	506.2	509.6
132.5°	473.9	473.4	473.2	472.8	472.8	472.6	472.7	472.5	476.6	480.5	484.5
135°	450.9	451.4	452.2	452.7	453.6	454.5	455.5	456.3	460.2	463.8	467.8
137.5°	439.2	440.1	441.1	442.1	443.5	444.7	446.0	447.2	450.2	453.1	456.2
140°	433.7	434.2	435.1	436.0	437.0	437.8	439.0	440.0	442.5	444.8	447.2
142.5°	428.5	429.0	429.8	430.7	431.8	432.5	433.6	434.4	436.2	437.9	439.7
145°	427.9	428.3	429.0	429.4	430.1	430.8	431.5	432.3	433.5	434.4	435.5
147.5°	424.0	424.3	424.7	425.0	425.5	425.9	426.3	426.7	427.5	428.1	428.7
150°	417.9	417.9	418.1	418.2	418.5	418.7	418.9	419.1	419.7	420.2	421.0
152.5°	408.4	408.4	408.5	408.6	408.8	408.9	409.0	409.3	409.9	410.4	411.0
155°	400.8	401.1	401.4	401.7	402.1	402.2	402.6	402.9	403.3	403.6	404.0
157.5°	395.9	396.1	396.5	396.6	397.0	397.3	397.6	397.8	398.3	398.6	398.9
160°	391.1	391.6	392.0	392.4	393.0	393.4	393.9	394.4	394.7	395.0	395.3
162.5°	390.4	390.7	391.0	391.2	391.5	391.9	392.1	392.4	393.0	393.4	394.0
165°	388.8	389.2	389.8	390.1	390.7	391.2	391.6	392.1	392.4	392.7	392.9
167.5°	390.1	390.4	391.0	391.4	391.9	392.3	392.8	393.3	393.6	393.7	394.1
170°	389.5	390.0	390.4	390.7	391.2	391.5	392.0	392.4	392.9	393.3	393.8
172.5°	392.1	392.5	392.9	393.0	393.4	393.8	394.2	394.5	394.9	395.3	395.6
175°	394.0	394.0	394.1	394.2	394.3	394.3	394.3	394.5	394.6	394.7	394.7
177.5°	394.4	394.6	394.8	394.9	395.1	395.3	395.5	395.7	395.7	395.7	395.7
180°	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7



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**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8
2.5°	21779.0	21779.9	21762.3	21761.3	21744.9	21742.8	21726.8	21721.9	21708.8	21704.2	21690.9
5°	22439.7	22418.3	22368.8	22339.8	22290.9	22258.5	22205.7	22171.2	22120.1	22081.7	22030.3
7.5°	23107.9	23074.7	23019.2	22974.2	22906.4	22852.3	22772.9	22707.9	22622.0	22547.6	22457.4
10°	23304.0	23298.8	23284.7	23264.1	23232.5	23197.1	23143.1	23086.8	23011.5	22929.7	22829.3
12.5°	22821.7	22873.7	22944.8	22986.8	23038.1	23060.5	23081.5	23076.2	23062.4	23021.0	22963.0
15°	21600.1	21746.4	21940.2	22090.3	22263.1	22388.6	22527.3	22613.7	22699.9	22739.6	22764.0
17.5°	19656.7	19933.8	20281.3	20569.2	20901.4	21168.2	21460.7	21680.9	21907.3	22069.6	22216.3
20°	17160.6	17562.0	18053.4	18487.5	18992.3	19430.9	19911.6	20306.2	20713.2	21031.3	21332.5
22.5°	14453.1	14929.9	15523.9	16074.2	16724.9	17309.7	17969.5	18543.8	19143.4	19644.3	20128.6
25°	11790.7	12313.5	12963.1	13577.1	14314.1	14994.2	15776.8	16492.5	17267.4	17940.3	18605.0
27.5°	9359.6	9872.9	10536.1	11189.6	11968.9	12693.7	13532.1	14320.6	15203.1	16016.8	16849.2
30°	7361.4	7796.7	8391.3	9024.4	9793.1	10530.6	11378.1	12189.1	13107.0	13995.5	14933.1
32.5°	5832.2	6163.9	6631.3	7166.6	7875.9	8577.9	9384.9	10167.8	11071.8	11969.3	12944.5
35°	4631.8	4890.5	5247.0	5664.7	6265.2	6870.5	7584.2	8296.2	9139.6	9991.2	10939.1
37.5°	3652.5	3862.4	4141.5	4455.3	4937.0	5433.7	6019.0	6609.3	7342.0	8096.9	8956.0
40°	2852.1	3022.2	3239.4	3473.5	3837.2	4219.9	4672.6	5130.3	5719.0	6336.0	7047.0
42.5°	2240.6	2366.0	2519.5	2690.5	3029.8	3233.0	3540.0	3871.0	4303.9	4751.8	5286.3
45°	1799.3	1884.9	1991.4	2106.1	2263.6	2435.9	2646.2	2866.6	3277.7	3479.4	3804.5
47.5°	1502.7	1560.1	1627.8	1700.1	1793.0	1893.2	2017.9	2145.3	2310.2	2481.0	2681.4
50°	1302.8	1361.2	1384.4	1421.9	1475.7	1533.0	1603.2	1673.5	1761.9	1851.5	1954.6
52.5°	1154.5	1173.6	1198.9	1222.6	1256.0	1321.1	1342.2	1379.0	1428.5	1477.1	1531.2
55°	1041.3	1053.6	1070.1	1084.5	1104.6	1123.8	1151.7	1176.1	1209.2	1238.3	1274.4
57.5°	953.1	961.0	972.4	981.9	994.9	1005.8	1022.0	1035.2	1054.3	1070.9	1092.6
60°	889.0	894.3	901.9	908.1	916.5	922.1	930.2	936.4	946.4	954.8	967.0
62.5°	836.8	839.4	844.4	848.1	853.3	856.2	860.5	863.2	868.7	873.0	879.7
65°	773.9	774.6	777.9	779.5	783.6	785.1	788.6	789.9	794.5	797.6	803.6
67.5°	722.5	721.0	721.1	719.9	720.5	719.3	719.6	718.3	720.2	721.1	725.7
70°	675.5	673.5	672.9	670.8	670.1	667.9	667.3	665.2	665.0	664.3	665.9
72.5°	629.8	629.2	629.4	627.9	627.7	626.2	626.3	625.3	626.4	626.8	628.9
75°	577.1	577.3	578.4	576.9	577.3	576.1	576.5	575.4	576.0	575.7	577.9
77.5°	513.1	514.6	517.4	516.8	517.7	516.3	516.9	515.2	515.7	514.6	515.4
80°	441.0	444.3	448.0	447.8	449.4	448.4	449.8	448.2	448.9	447.0	446.5
82.5°	355.5	358.2	362.2	362.3	365.9	366.6	370.4	370.3	372.7	371.1	370.0
85°	243.1	244.9	248.4	250.3	253.9	256.2	259.9	261.4	258.7	263.7	259.7
87.5°	126.9	131.7	129.0	135.1	133.7	139.9	138.5	144.3	143.2	148.1	147.5
90°	70.9	72.7	78.1	80.1	86.2	88.7	89.6	86.6	87.3	84.4	85.1
92.5°	75.8	81.3	86.7	91.9	97.3	102.7	97.7	92.7	87.8	82.9	77.9
95°	103.1	111.0	118.8	126.5	134.3	142.1	133.7	125.4	117.1	108.8	100.4
97.5°	121.3	129.6	137.9	146.3	154.8	163.2	153.3	143.4	133.5	123.7	113.9
100°	171.6	187.9	204.0	220.2	236.4	252.6	234.2	215.8	197.4	178.9	160.5
102.5°	346.4	383.4	420.6	457.6	494.6	531.7	492.7	453.7	414.7	375.5	336.4
105°	647.8	707.2	766.5	825.9	885.3	944.7	881.4	818.0	754.6	691.4	627.9
107.5°	955.3	1013.1	1071.2	1128.9	1186.9	1244.8	1180.6	1116.4	1052.1	987.8	923.5
110°	1131.9	1166.6	1201.4	1236.3	1270.9	1305.8	1258.9	1212.0	1165.1	1118.1	1071.3



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**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	1165.7	1183.1	1200.4	1217.9	1235.2	1252.7	1219.1	1185.6	1152.0	1118.5	1084.7
115°	1093.6	1099.0	1104.6	1110.0	1115.4	1121.0	1098.3	1075.6	1053.0	1030.4	1007.5
117.5°	960.9	959.9	958.7	957.8	956.6	955.6	942.9	930.1	917.4	904.6	891.9
120°	826.3	821.6	816.8	812.0	807.3	802.4	797.0	791.6	786.0	780.6	774.9
122.5°	709.2	706.0	702.6	699.2	695.7	692.3	690.2	688.0	685.7	683.5	681.2
125°	616.5	616.3	615.9	615.7	615.3	615.0	613.8	612.6	611.4	610.2	609.0
127.5°	552.8	554.8	556.6	558.4	560.2	562.0	561.6	561.2	560.8	560.4	559.9
130°	513.0	516.5	519.8	523.1	526.4	529.8	528.9	528.3	527.5	526.8	525.9
132.5°	488.5	492.4	496.3	500.4	504.1	508.0	507.0	506.2	505.1	504.3	503.4
135°	471.4	475.2	478.9	482.7	486.2	489.9	488.7	487.6	486.4	485.4	484.2
137.5°	459.1	462.1	464.9	468.0	470.7	473.6	472.4	471.3	470.1	469.1	467.9
140°	449.4	451.6	453.8	456.3	458.4	460.7	459.3	457.9	456.6	455.2	453.6
142.5°	441.3	443.2	444.7	446.4	448.0	449.7	447.7	445.9	444.1	442.2	440.4
145°	436.6	437.7	438.6	439.7	440.5	441.6	439.5	437.5	435.3	433.3	431.1
147.5°	429.3	429.9	430.3	431.0	431.4	432.2	430.0	428.1	426.1	424.1	422.1
150°	421.4	422.0	422.4	422.9	423.4	424.0	421.8	419.7	417.6	415.6	413.6
152.5°	411.5	411.9	412.3	412.8	413.2	413.7	411.6	410.0	407.8	405.8	404.0
155°	404.1	404.5	404.7	405.0	405.1	405.3	403.6	402.2	400.5	398.9	397.1
157.5°	399.1	399.4	399.7	399.8	400.0	400.2	399.0	397.8	396.4	395.2	393.9
160°	395.5	395.8	396.0	396.2	396.4	396.5	395.5	394.6	393.5	392.4	391.3
162.5°	394.3	394.7	395.1	395.5	395.9	396.3	395.0	393.9	392.7	391.4	390.0
165°	393.2	393.4	393.6	393.9	393.9	394.2	393.4	392.5	391.6	390.8	389.9
167.5°	394.2	394.5	394.7	394.9	395.0	395.2	394.4	393.6	392.7	391.8	390.9
170°	394.1	394.3	394.8	395.1	395.4	395.7	395.0	394.4	393.6	393.0	392.2
172.5°	396.0	396.2	396.4	396.8	397.0	397.4	396.6	395.9	395.2	394.5	393.7
175°	394.7	394.8	395.0	395.0	395.0	395.1	394.5	394.0	393.4	392.8	392.3
177.5°	395.7	395.7	395.7	395.6	395.6	395.6	395.2	394.8	394.5	394.1	393.6
180°	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7



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**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8	21550.8
2.5°	21686.2	21676.8	21670.7	21662.9	21658.2	21652.2	21647.9	21644.1	21641.0	21638.3	21636.2
5°	21991.2	21942.6	21905.0	21864.3	21830.8	21797.4	21771.7	21750.4	21735.7	21724.7	21718.1
7.5°	22379.4	22290.6	22211.7	22128.7	22054.2	21981.0	21917.9	21863.5	21822.7	21796.2	21780.2
10°	22726.1	22607.4	22489.8	22366.2	22249.0	22135.2	22030.3	21938.0	21864.8	21816.3	21787.9
12.5°	22881.5	22780.3	22660.3	22526.1	22382.4	22237.0	22095.4	21967.5	21860.3	21788.3	21746.8
15°	22744.6	22703.1	22621.7	22517.4	22381.1	22230.8	22064.4	21908.1	21764.2	21670.9	21616.8
17.5°	22299.3	22357.3	22351.1	22311.2	22213.2	22086.7	21917.2	21741.5	21561.6	21436.9	21368.8
20°	21547.9	21730.2	21822.7	21870.2	21831.6	21749.6	21596.1	21417.8	21208.1	21045.3	20945.9
22.5°	20492.0	20813.8	21014.3	21161.1	21192.2	21164.3	21028.7	20859.2	20625.4	20429.6	20282.9
25°	19132.6	19604.1	19921.0	20169.5	20266.0	20290.9	20175.6	20007.0	19746.3	19518.4	19316.8
27.5°	17531.5	18144.0	18567.2	18901.1	19051.7	19117.1	19011.0	18838.9	18530.6	18258.5	17995.2
30°	15728.9	16455.7	16965.1	17365.5	17549.1	17635.5	17522.7	17330.7	16972.0	16644.5	16312.9
32.5°	13799.5	14594.9	15150.0	15584.8	15766.8	15848.1	15700.5	15484.8	15070.1	14684.4	14297.6
35°	11779.6	12582.3	13142.2	13565.3	13717.9	13766.9	13578.2	13328.9	12869.5	12446.1	12024.5
37.5°	9718.4	10465.2	10974.1	11353.9	11448.3	11456.8	11229.5	10954.1	10471.3	10053.8	9634.0
40°	7675.1	8305.0	8715.8	9019.8	9052.5	9023.3	8776.2	8499.1	8047.4	7673.3	7304.9
42.5°	5750.4	6225.8	6518.9	6727.3	6714.9	6657.2	6430.6	6192.4	5819.7	5534.9	5244.8
45°	4101.5	4415.0	4586.4	4708.3	4669.1	4614.1	4437.7	4270.8	4017.5	3833.5	3638.7
47.5°	2849.3	3223.8	3158.6	3396.9	3191.6	3327.2	3044.8	2889.1	2754.7	2656.9	2546.7
50°	2039.9	2125.7	2167.1	2195.4	2180.3	2159.6	2108.8	2063.4	2002.1	1957.3	1905.1
52.5°	1575.4	1618.2	1641.7	1658.7	1655.4	1647.8	1625.7	1605.4	1576.7	1557.8	1534.9
55°	1334.4	1335.0	1378.2	1359.7	1387.1	1355.0	1367.6	1332.1	1337.8	1307.3	1286.8
57.5°	1108.8	1126.4	1134.3	1142.0	1139.9	1138.5	1129.9	1125.6	1116.0	1113.0	1106.2
60°	975.4	984.6	986.5	990.0	987.0	985.9	979.2	976.8	970.4	969.1	964.6
62.5°	883.9	888.5	888.5	888.5	884.7	881.1	873.6	869.7	864.2	863.0	860.4
65°	807.5	812.3	813.2	814.2	811.4	808.5	802.0	797.7	792.1	789.9	786.9
67.5°	728.7	733.8	735.6	738.3	736.7	736.1	731.6	729.9	726.2	725.3	722.5
70°	666.7	668.9	668.8	668.7	665.1	662.0	656.9	654.3	650.5	649.7	647.1
72.5°	629.9	631.4	630.5	629.1	624.6	619.9	613.9	609.4	604.3	601.1	597.5
75°	578.1	580.1	578.9	578.0	573.8	570.8	565.9	563.5	559.9	558.9	556.4
77.5°	514.5	515.4	513.3	513.1	509.9	508.0	504.4	503.7	501.1	501.2	498.7
80°	443.6	443.1	439.7	439.0	435.9	435.1	432.3	432.5	430.3	431.2	429.5
82.5°	365.0	363.0	358.6	357.4	353.8	353.5	351.5	353.2	351.8	353.8	352.6
85°	261.5	262.1	260.2	260.2	259.2	259.5	259.3	260.5	260.7	262.4	262.3
87.5°	145.8	147.9	147.5	149.4	149.3	151.6	152.3	155.4	155.8	158.8	158.8
90°	82.2	83.1	80.2	81.3	80.0	82.3	81.5	83.8	82.5	84.5	82.5
92.5°	73.0	68.0	63.2	58.1	55.7	53.0	51.0	48.0	45.8	43.1	40.7
95°	92.0	83.7	75.4	67.0	64.2	61.2	58.3	55.5	52.7	49.8	46.9
97.5°	104.0	94.1	84.3	74.4	71.8	69.4	66.8	64.4	61.9	59.4	56.9
100°	142.1	123.6	105.3	86.8	84.7	82.6	80.5	78.4	76.4	74.3	72.1
102.5°	297.4	258.3	219.2	180.0	172.6	165.2	157.8	150.2	142.9	135.4	128.0
105°	564.5	501.2	437.7	374.2	354.1	334.0	313.8	293.7	273.5	253.5	233.3
107.5°	859.3	794.8	730.4	666.0	628.9	591.7	554.4	517.1	480.0	442.6	405.4
110°	1024.3	977.2	930.2	883.1	853.3	823.2	793.3	763.2	733.3	703.2	673.2



TEST NUMBER: P1444381  
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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°	1051.1	1017.5	983.8	950.0	936.5	922.8	909.2	895.6	882.0	868.2	854.6
115°	984.8	962.1	939.3	916.3	911.6	906.8	901.9	897.0	892.3	887.3	882.4
117.5°	879.0	866.2	853.3	840.4	841.2	841.8	842.7	843.3	843.9	844.4	845.1
120°	769.4	763.8	758.3	752.7	756.9	760.8	764.9	768.7	772.7	776.4	780.4
122.5°	679.0	676.6	674.4	672.0	676.9	681.9	686.7	691.5	696.2	700.8	705.5
125°	607.8	606.5	605.3	603.9	608.9	613.8	618.6	623.4	628.2	632.7	637.4
127.5°	559.5	559.1	558.6	558.1	561.7	564.9	568.5	571.7	575.0	578.1	581.2
130°	525.2	524.4	523.7	522.9	525.9	529.0	532.1	535.0	538.0	540.6	543.3
132.5°	502.5	501.5	500.6	499.6	501.9	503.9	506.1	508.0	509.9	511.7	513.5
135°	483.2	481.9	480.9	479.6	481.7	483.7	485.6	487.3	489.3	490.8	492.4
137.5°	466.8	465.6	464.3	463.1	464.9	466.7	468.5	470.1	471.6	473.1	474.5
140°	452.4	451.0	449.7	448.2	449.8	451.3	452.9	454.3	455.7	456.8	458.1
142.5°	438.6	436.6	435.0	433.0	434.2	435.2	436.4	437.3	438.3	439.1	439.9
145°	429.0	426.9	424.8	422.8	423.7	424.4	425.3	426.2	426.7	427.3	428.0
147.5°	420.1	418.0	416.0	413.9	414.7	415.3	415.7	416.2	416.9	417.3	417.6
150°	411.5	409.3	407.2	405.0	405.6	406.1	406.5	407.0	407.5	407.8	408.1
152.5°	401.9	399.9	397.9	395.8	396.3	396.7	397.0	397.3	397.7	398.1	398.3
155°	395.5	393.8	392.1	390.3	390.8	391.1	391.3	391.7	391.9	392.1	392.3
157.5°	392.6	391.1	389.9	388.5	388.6	388.7	388.8	388.7	388.7	388.7	388.7
160°	390.3	389.0	387.9	386.6	386.6	386.7	386.9	386.7	386.6	386.5	386.5
162.5°	388.7	387.4	386.0	384.6	384.6	384.8	384.8	384.7	384.6	384.5	384.5
165°	389.0	388.0	387.0	385.8	385.7	385.6	385.5	385.2	385.0	384.7	384.5
167.5°	389.9	389.0	387.9	386.7	387.0	387.1	387.1	387.1	387.0	386.9	386.9
170°	391.5	390.6	389.9	389.0	388.9	388.8	388.7	388.5	388.3	388.1	387.9
172.5°	392.9	392.1	391.4	390.4	390.4	390.3	390.2	390.1	389.8	389.7	389.6
175°	391.6	391.0	390.3	389.7	389.6	389.6	389.5	389.4	389.2	389.2	389.0
177.5°	393.2	392.9	392.4	392.0	391.9	391.9	391.8	391.7	391.7	391.7	391.6
180°	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7



TEST NUMBER: P1444381  
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**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	21550.8	21550.8
2.5°	21634.3	21633.2
5°	21714.7	21713.4
7.5°	21775.8	21775.5
10°	21783.1	21786.8
12.5°	21739.6	21742.6
15°	21612.7	21618.6
17.5°	21370.0	21377.8
20°	20952.0	20960.1
22.5°	20275.0	20278.4
25°	19290.8	19276.8
27.5°	17949.0	17925.0
30°	16243.2	16220.0
32.5°	14209.4	14194.9
35°	11920.2	11911.0
37.5°	9509.9	9491.3
40°	7170.1	7115.6
42.5°	5117.8	5022.2
45°	3536.8	3423.5
47.5°	2469.1	2399.1
50°	1871.5	1848.9
52.5°	1525.0	1519.7
55°	1286.7	1284.4
57.5°	1107.7	1106.9
60°	967.0	966.7
62.5°	862.1	862.5
65°	788.2	788.4
67.5°	723.3	722.7
70°	648.1	647.5
72.5°	596.3	595.4
75°	556.4	555.9
77.5°	499.6	498.6
80°	430.6	429.5
82.5°	354.3	352.9
85°	264.3	264.3
87.5°	161.6	161.5
90°	84.3	82.0
92.5°	38.3	36.1
95°	44.1	41.3
97.5°	54.5	52.0
100°	70.1	68.0
102.5°	120.6	113.2
105°	213.2	193.0
107.5°	368.2	331.0
110°	643.1	613.2



TEST NUMBER: P1444381  
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**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	840.9	827.2
115°	877.2	872.3
117.5°	845.5	846.1
120°	783.9	787.7
122.5°	709.8	714.3
125°	641.7	646.3
127.5°	584.1	586.9
130°	545.7	548.3
132.5°	515.0	516.5
135°	493.7	495.0
137.5°	475.5	476.8
140°	459.0	459.9
142.5°	440.5	441.2
145°	428.4	428.9
147.5°	417.6	418.0
150°	408.3	408.5
152.5°	398.4	398.7
155°	392.4	392.5
157.5°	388.5	388.4
160°	386.3	386.2
162.5°	384.3	384.2
165°	384.1	383.8
167.5°	386.6	386.7
170°	387.6	387.5
172.5°	389.4	389.2
175°	388.9	388.9
177.5°	391.6	391.4
180°	393.7	393.7



TEST NUMBER: P1444381  
 CATALOG NUMBER: EHBR1-24-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	15.13	16.15	15.70	16.69	17.29	13.51	14.53	14.07	15.07	15.67
	3H	16.68	17.59	17.26	18.14	18.78	15.94	16.85	16.52	17.40	18.04
	4H	17.47	18.32	18.07	18.89	19.55	17.05	17.90	17.65	18.47	19.13
	6H	18.24	19.02	18.85	19.60	20.27	18.09	18.87	18.70	19.46	20.12
	8H	18.55	19.29	19.17	19.89	20.56	18.53	19.27	19.15	19.87	20.54
	12H	18.80	19.50	19.42	20.09	20.79	18.88	19.59	19.51	20.18	20.88
4H	2H	15.51	16.35	16.11	16.92	17.58	14.22	15.07	14.82	15.64	16.29
	3H	17.38	18.08	17.99	18.69	19.37	16.84	17.54	17.45	18.16	18.83
	4H	18.38	19.01	19.01	19.63	20.34	18.10	18.73	18.72	19.35	20.06
	6H	19.33	19.88	19.98	20.52	21.25	19.28	19.82	19.93	20.47	21.19
	8H	19.72	20.23	20.37	20.87	21.60	19.78	20.28	20.43	20.93	21.66
	12H	20.03	20.48	20.70	21.15	21.88	20.19	20.64	20.86	21.31	22.04
8H	4H	18.75	19.26	19.41	19.91	20.63	18.51	19.02	19.16	19.66	20.39
	6H	19.91	20.33	20.60	21.02	21.75	19.86	20.27	20.54	20.96	21.70
	8H	20.42	20.79	21.12	21.49	22.24	20.46	20.83	21.16	21.53	22.28
	12H	20.85	21.17	21.54	21.85	22.67	20.99	21.31	21.68	21.99	22.81
12H	4H	18.80	19.25	19.47	19.92	20.65	18.56	19.01	19.23	19.69	20.42
	6H	20.02	20.39	20.72	21.09	21.84	19.97	20.34	20.67	21.04	21.79
	8H	20.61	20.93	21.31	21.61	22.43	20.64	20.97	21.34	21.65	22.46

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

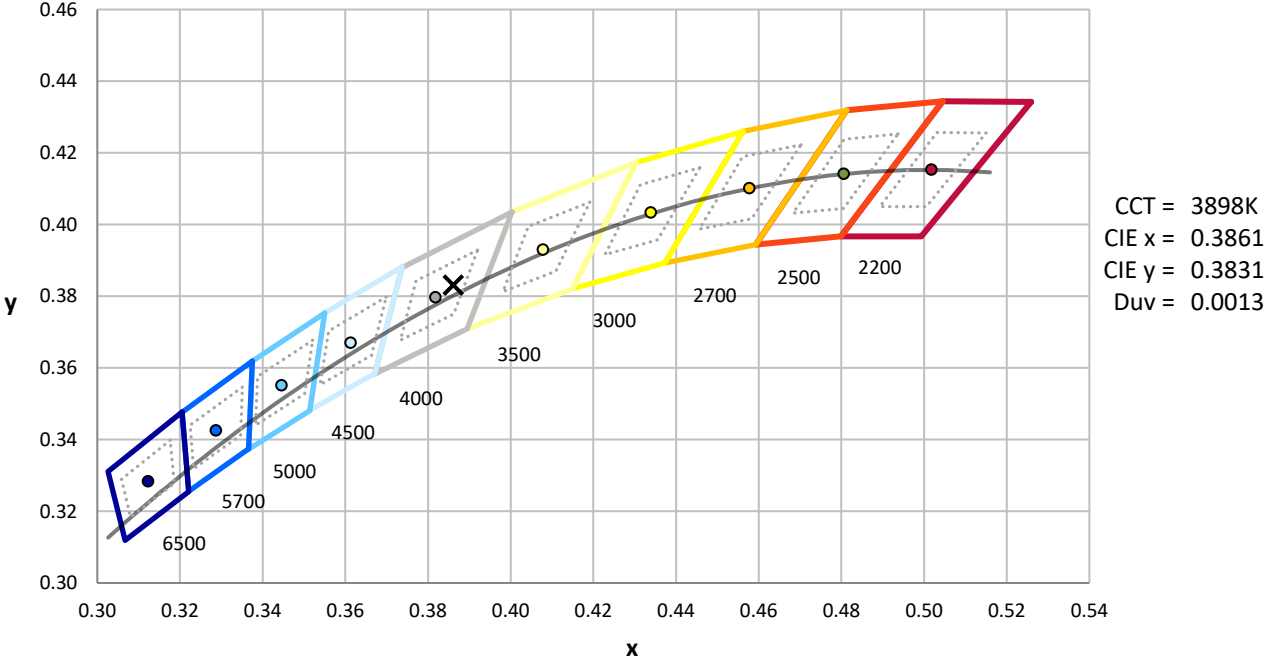
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208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

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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**

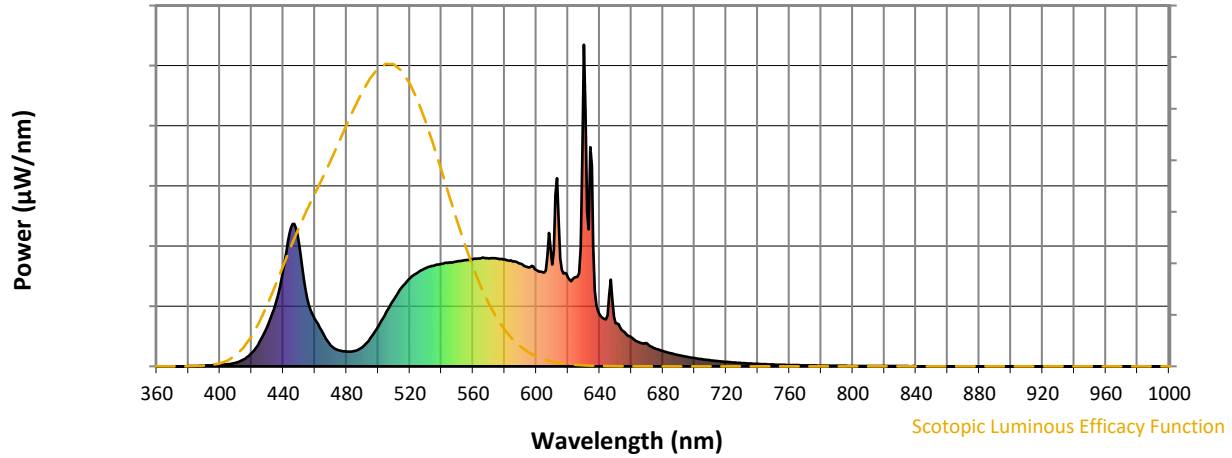


**Photopic Lumens: NR**

λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /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**



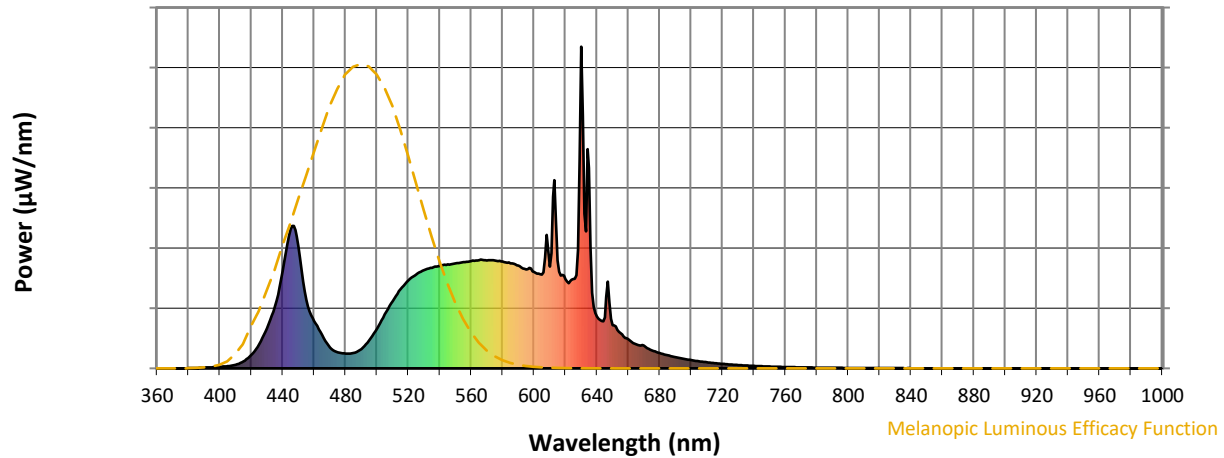
**Scotopic Lumens: NR**

**S/P: 1.55**

λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /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**

$\lambda$ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens ( $\phi/\text{nm}$ )	$\lambda$ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens ( $\phi/\text{nm}$ )	$\lambda$ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens ( $\phi/\text{nm}$ )	$\lambda$ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens ( $\phi/\text{nm}$ )	$\lambda$ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens ( $\phi/\text{nm}$ )
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  $R_a = 82.1$   
 $R_9 = 38.5$

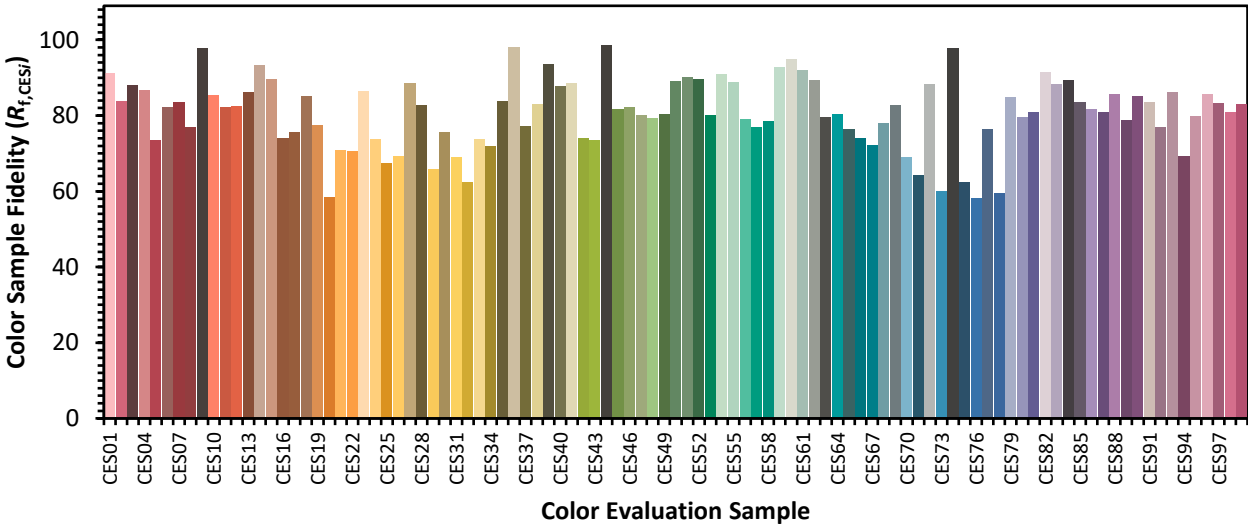


**Color Vector Graphics**



**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)