

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: P1444384

Luminaire Tested: EHBR1-30-UNV-TA-L840-UPL12

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444384
REPORT IS A COMBINATION OF REPORTS P1444303 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-30-UNV-TA-L840-UPL12
Description: Elevate Round Highbay at, 30000 lumens, 4000K 80CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

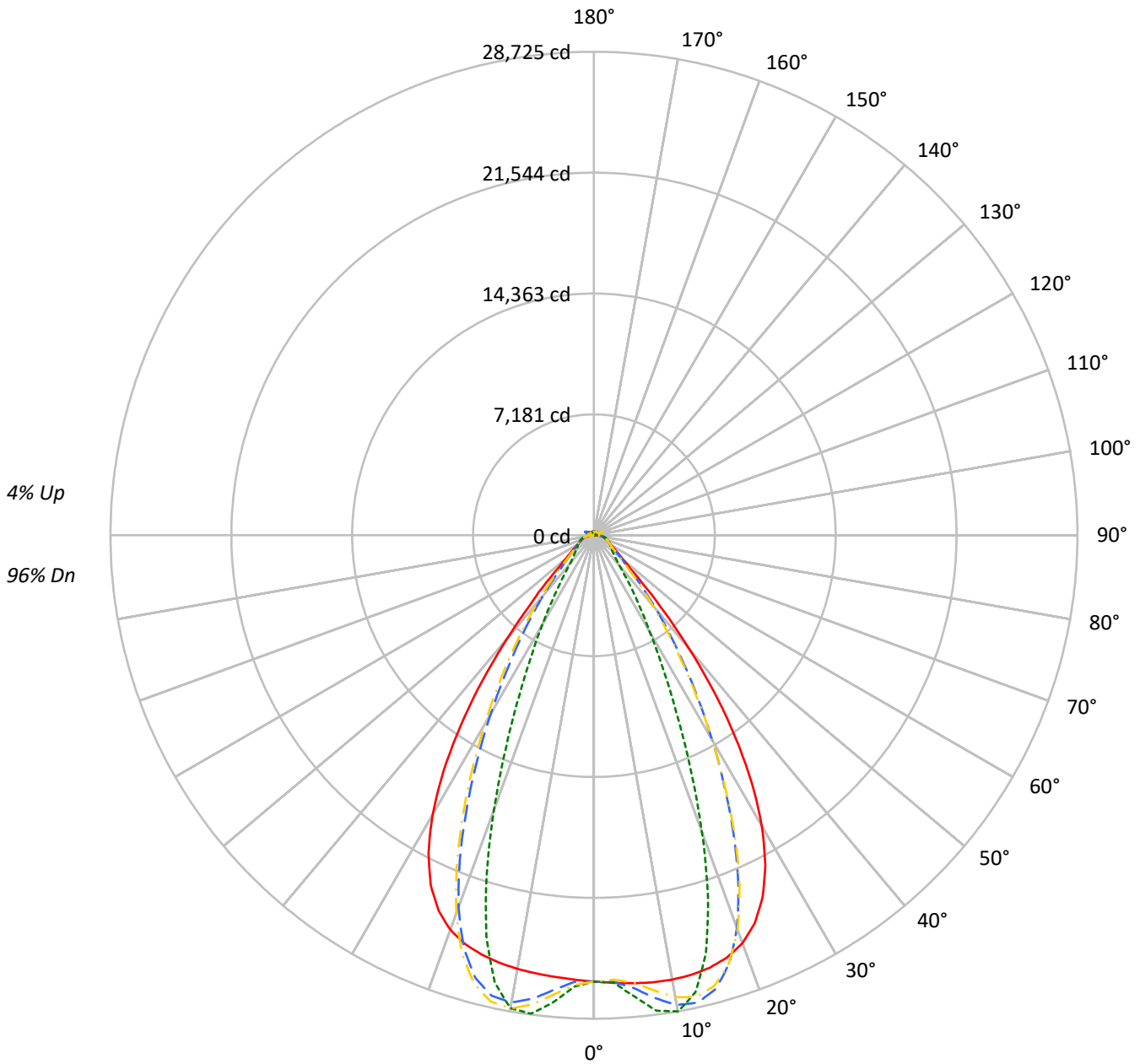
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31918.7 lumens
Efficiency: N/A
Efficacy: 190.9 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 0.77 / 0.88
Luminous Opening: Vertical Cylinder (Dia: 1.71' x H: 0.1')
CIE Type: Direct

Input Watts (W): 167.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	98	98	98	96
1	111	107	104	102	108	105	102	100	100	98	96	95	94	92	91	90	89	89	89	89	86
2	104	98	93	89	101	96	92	88	92	88	85	88	85	83	85	82	80	80	80	80	78
3	98	90	84	80	95	88	83	79	85	81	77	82	78	75	79	76	73	73	73	73	71
4	92	83	77	72	90	82	76	71	79	74	70	76	72	69	74	70	67	67	67	67	65
5	87	77	70	65	85	76	70	65	73	68	64	71	67	63	69	65	62	62	62	62	60
6	82	72	65	60	80	71	64	60	69	63	59	67	62	58	65	61	57	57	57	57	56
7	77	67	60	55	76	66	60	55	64	59	55	63	58	54	61	57	53	53	53	53	52
8	73	63	56	51	72	62	56	51	60	55	51	59	54	50	58	53	50	50	50	50	48
9	69	59	52	48	68	58	52	48	57	51	47	56	50	47	54	50	46	46	46	46	45
10	66	55	49	45	65	55	49	45	54	48	44	52	47	44	51	47	44	44	44	44	42

AVERAGE LUMINANCE (cd/sqm):

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

MAXIMUM LUMINANCE 45°-90°:

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2613.2	8.2
10°-20°	7351.2	23.0
20°-30°	8372.4	26.2
30°-40°	6017.7	18.9
40°-50°	2775.4	8.7
50°-60°	1328.1	4.2
60°-70°	969.1	3.0
70°-80°	736.2	2.3
80°-90°	337.0	1.1
90°-100°	43.0	0.1
100°-110°	220.5	0.7
110°-120°	406.8	1.3
120°-130°	255.8	0.8
130°-140°	173.4	0.5
140°-150°	135.8	0.4
150°-160°	99.3	0.3
160°-170°	62.2	0.2
170°-180°	21.7	0.1
0°-30°	18336.8	57.4
0°-40°	24354.5	76.3
0°-60°	28458.0	89.2
0°-90°	30500.3	95.6
90°-120°	670.2	2.1
90°-150°	1235.2	3.9
90°-180°	1418.0	4.4
0°-180°	31918.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	26516	26516	26516	26516	26516	
5°	26716	27495	26342	27855	26716	2553
15°	26599	25712	25790	24677	26599	7494
25°	23718	11531	22934	10463	23718	10752
35°	14655	3996	13812	3540	14655	8994
45°	4212	1722	4143	1693	4212	3583
55°	1580	1210	1522	1199	1580	1459
65°	970	997	933	963	970	969
75°	684	747	647	714	684	711
85°	325	390	263	334	325	306
90°	82	106	20	26	82	52
95°	20	21	20	22	20	18
105°	82	104	56	104	82	108
115°	358	428	374	428	358	331
125°	279	282	314	284	279	254
135°	233	197	249	200	233	181
145°	218	204	231	208	218	138
155°	212	209	224	212	212	99
165°	218	215	226	218	218	62
175°	227	229	231	230	227	22
180°	231	231	231	231	231	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8
2.5°	26617.1	26615.0	26614.6	26612.7	26612.3	26612.3	26611.4	26609.1	26607.8	26604.8	26601.3
5°	26715.9	26714.7	26715.4	26715.6	26713.8	26709.6	26703.1	26695.2	26685.1	26675.7	26667.3
7.5°	26792.3	26794.1	26796.5	26796.0	26790.2	26780.5	26767.2	26759.7	26764.1	26778.6	26811.7
10°	26806.2	26817.6	26822.0	26820.6	26809.0	26800.8	26804.0	26832.0	26887.9	26962.6	27064.6
12.5°	26751.9	26765.8	26765.3	26760.7	26749.5	26760.9	26801.6	26885.2	27005.1	27152.2	27324.8
15°	26599.3	26617.3	26612.3	26606.2	26598.8	26636.2	26717.5	26862.7	27047.9	27255.3	27467.7
17.5°	26303.0	26324.8	26314.2	26307.4	26301.1	26371.2	26510.9	26723.6	26956.7	27191.4	27392.7
20°	25789.0	25803.7	25778.4	25766.5	25776.5	25914.0	26119.7	26391.3	26637.1	26859.0	26996.6
22.5°	24950.2	24968.4	24921.0	24915.4	24974.1	25185.2	25445.5	25749.1	25980.0	26156.0	26209.0
25°	23718.0	23735.8	23679.4	23713.1	23812.8	24100.5	24410.3	24735.1	24932.2	25062.5	25026.5
27.5°	22054.6	22071.0	22017.5	22086.3	22243.8	22621.8	22986.5	23338.9	23514.4	23605.8	23490.0
30°	19956.8	19990.7	19927.5	20023.6	20264.0	20754.7	21172.7	21567.7	21742.8	21812.3	21632.3
32.5°	17465.3	17513.5	17443.9	17586.8	17922.3	18511.6	18986.5	19427.9	19621.5	19700.8	19497.5
35°	14655.1	14724.3	14644.4	14858.8	15272.6	15929.0	16454.8	16947.6	17176.9	17289.4	17084.5
37.5°	11678.0	11743.9	11700.6	11986.7	12441.1	13121.4	13658.0	14189.7	14448.8	14617.5	14455.9
40°	8755.0	8815.3	8848.0	9175.1	9602.6	10243.8	10759.2	11285.3	11575.0	11786.8	11687.1
42.5°	6179.3	6240.1	6351.4	6667.0	7023.4	7554.2	7995.7	8468.0	8744.8	8970.7	8932.4
45°	4212.3	4282.9	4422.2	4680.8	4938.6	5319.3	5643.5	6010.8	6236.9	6443.9	6446.4
47.5°	2951.7	3001.4	3125.9	3302.4	3470.5	3947.1	3966.7	4147.2	4299.2	4453.9	4474.0
50°	2274.9	2304.8	2370.7	2469.1	2564.4	2688.1	2801.4	2932.3	3025.8	3110.5	3130.8
52.5°	1869.8	1888.7	1922.3	1975.6	2030.9	2098.2	2158.9	2230.7	2281.6	2327.0	2336.4
55°	1580.3	1596.0	1646.1	1656.2	1719.3	1731.5	1758.5	1802.2	1831.7	1859.0	1865.7
57.5°	1361.8	1373.2	1383.8	1406.5	1426.0	1454.3	1477.1	1508.5	1527.1	1546.8	1548.4
60°	1189.5	1197.7	1205.3	1221.0	1234.3	1254.0	1269.6	1291.0	1304.3	1319.1	1320.8
62.5°	1061.3	1067.1	1072.2	1082.6	1091.9	1107.1	1119.6	1137.3	1149.9	1161.3	1163.8
65°	970.1	974.4	977.6	985.5	993.8	1006.6	1017.9	1032.4	1041.6	1050.3	1052.2
67.5°	889.2	893.4	896.7	903.9	909.6	919.2	926.8	937.7	944.6	951.6	951.8
70°	796.7	800.5	803.1	809.7	814.4	822.6	828.7	838.6	845.6	853.4	855.3
72.5°	732.6	734.9	738.3	744.4	750.8	759.7	767.7	778.0	786.5	794.6	798.0
75°	683.9	686.5	688.7	694.0	698.4	705.9	712.0	721.3	728.8	737.4	741.6
77.5°	613.5	616.6	618.5	623.8	627.6	634.8	639.2	647.6	653.7	661.6	665.4
80°	528.5	531.3	532.8	537.6	540.7	547.3	551.7	559.8	564.8	572.7	577.3
82.5°	434.3	437.0	437.8	442.4	444.1	449.5	452.7	461.0	467.3	477.5	484.6
85°	325.2	326.2	327.7	326.5	333.2	333.6	341.0	342.4	352.2	354.8	366.0
87.5°	198.8	201.8	203.2	207.8	209.7	214.2	215.6	220.5	223.1	228.5	231.2
90°	82.3	86.8	88.2	93.4	94.7	99.4	100.4	105.5	107.0	112.4	114.3
92.5°	17.4	18.4	19.2	20.5	21.5	23.0	24.3	25.4	26.4	27.9	30.0
95°	19.5	20.6	21.7	22.8	23.9	25.1	26.2	27.3	28.5	29.6	32.8
97.5°	24.1	25.1	26.0	27.0	28.1	29.0	30.0	31.0	31.9	32.8	36.7
100°	30.8	31.6	32.4	33.3	34.1	34.9	35.7	36.6	37.4	38.2	45.4
102.5°	49.5	52.5	55.4	58.3	61.2	64.2	67.2	70.0	73.0	75.9	91.2
105°	82.0	89.9	98.0	105.8	113.8	121.9	129.9	137.6	145.6	153.5	178.6
107.5°	137.7	152.4	167.2	181.9	196.7	211.4	226.1	240.7	255.6	270.1	295.6
110°	251.1	262.8	274.8	286.6	298.4	310.2	322.0	333.6	345.5	357.2	375.8



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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°	337.7	343.0	348.2	353.6	358.9	363.9	369.3	374.5	379.8	385.0	398.3
115°	357.6	359.3	361.2	362.9	364.8	366.5	368.2	369.8	371.6	373.1	382.0
117.5°	349.5	349.1	348.7	348.2	347.6	347.1	346.6	345.9	345.3	344.7	349.6
120°	329.1	327.3	325.6	323.6	321.8	319.8	317.9	315.9	313.9	311.8	313.8
122.5°	302.8	300.6	298.6	296.2	294.0	291.7	289.5	286.9	284.6	282.2	282.7
125°	279.0	276.7	274.6	272.2	269.9	267.6	265.2	262.6	260.2	257.6	257.8
127.5°	258.8	257.2	255.6	253.7	251.8	250.0	248.1	246.1	244.3	242.1	241.9
130°	246.8	245.5	243.9	242.2	240.4	238.6	236.7	234.9	233.1	231.1	230.8
132.5°	237.7	236.6	235.4	234.2	232.8	231.1	229.6	227.9	226.5	224.9	224.6
135°	232.7	231.5	230.5	229.1	227.8	226.3	224.8	223.2	221.7	220.1	220.0
137.5°	228.6	227.7	226.7	225.3	224.1	222.5	221.3	219.6	218.1	216.5	216.4
140°	225.1	224.2	223.2	222.0	220.8	219.5	217.9	216.6	215.1	213.6	213.5
142.5°	220.7	219.8	219.0	217.9	216.9	215.6	214.4	213.1	211.9	210.5	210.6
145°	218.2	217.5	216.8	215.9	214.9	213.7	212.7	211.4	210.4	209.2	209.3
147.5°	216.3	215.6	215.1	214.3	213.6	212.4	211.5	210.3	209.5	208.4	208.6
150°	214.6	214.0	213.6	212.8	212.0	211.0	210.1	209.2	208.3	207.1	207.3
152.5°	212.5	211.8	211.4	210.6	209.9	208.8	208.3	207.1	206.3	205.3	205.4
155°	212.1	211.5	210.8	210.2	209.4	208.7	207.8	206.9	206.1	205.2	205.4
157.5°	212.7	212.0	211.5	210.8	210.4	209.6	208.9	208.2	207.5	206.7	206.7
160°	214.3	213.7	213.1	212.5	211.9	211.1	210.5	209.8	209.3	208.5	208.6
162.5°	216.1	215.4	214.8	214.2	213.7	212.9	212.3	211.8	211.2	210.4	210.4
165°	218.3	217.9	217.4	216.9	216.5	216.0	215.5	214.9	214.4	213.8	213.8
167.5°	222.0	221.4	221.1	220.5	220.0	219.6	219.0	218.3	218.0	217.3	217.3
170°	224.3	223.8	223.6	223.3	222.9	222.5	222.2	221.8	221.4	221.0	221.0
172.5°	226.5	226.1	225.9	225.7	225.3	225.1	224.8	224.5	224.3	223.9	224.1
175°	227.4	227.1	227.0	226.8	226.7	226.5	226.4	226.2	226.2	225.9	225.9
177.5°	229.2	229.1	229.1	229.0	229.0	228.9	228.8	228.6	228.5	228.5	228.5
180°	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8
2.5°	26598.8	26595.5	26591.1	26585.5	26580.7	26575.0	26561.8	26557.9	26562.3	26565.3	26571.3
5°	26661.9	26663.8	26664.5	26676.5	26687.0	26713.1	26917.1	26998.1	27060.9	27100.6	27161.1
7.5°	26852.5	26913.9	26974.5	27056.0	27126.4	27221.4	27578.3	27730.2	27838.2	27915.9	28011.5
10°	27175.4	27309.3	27434.7	27581.7	27708.1	27852.9	28185.1	28333.1	28426.6	28494.6	28558.1
12.5°	27500.7	27686.4	27854.1	28017.7	28154.5	28279.9	28396.8	28448.7	28453.0	28455.2	28421.5
15°	27670.1	27847.6	27995.4	28103.6	28184.0	28219.5	28018.4	27912.9	27779.5	27669.6	27488.9
17.5°	27563.2	27669.6	27733.5	27727.2	27694.0	27582.7	27012.9	26699.6	26388.5	26108.1	25740.5
20°	27087.8	27079.7	27024.1	26866.8	26677.3	26382.4	25405.6	24842.1	24297.1	23818.6	23238.0
22.5°	26203.5	26064.4	25870.4	25531.1	25154.3	24639.3	23239.4	22410.4	21651.8	20981.8	20231.1
25°	24922.2	24635.9	24278.1	23739.6	23153.9	22402.7	20677.3	19646.2	18735.4	17945.6	17079.3
27.5°	23282.4	22851.1	22326.7	21581.4	20787.9	19825.5	17912.7	16774.7	15797.0	14950.2	14028.2
30°	21340.9	20780.1	20103.0	19177.9	18220.8	17129.3	15189.2	14036.6	13047.0	12175.8	11253.2
32.5°	19146.9	18490.0	17696.6	16658.3	15623.3	14501.0	12627.4	11511.8	10566.3	9728.2	8893.2
35°	16727.1	16022.6	15183.2	14124.2	13095.4	12004.3	10285.1	9279.2	8444.3	7703.4	7029.2
37.5°	14131.3	13439.7	12641.9	11643.8	10689.7	9701.0	8217.6	7374.7	6674.0	6059.1	5538.5
40°	11432.6	10827.3	10136.9	9274.0	8459.9	7636.4	6418.8	5749.6	5196.8	4727.8	4337.7
42.5°	8766.7	8297.7	7768.3	7086.4	6463.4	5836.4	4899.2	4403.4	3993.9	3656.3	3380.6
45°	6360.5	6046.8	5691.8	5217.6	4786.6	4349.3	3682.2	3333.8	3067.2	2849.4	2665.4
47.5°	4446.4	4264.3	4253.2	3815.1	3499.0	3231.6	2801.9	2581.8	2418.5	2286.6	2170.1
50°	3122.6	3034.5	2925.1	2768.8	2622.1	2470.9	2209.1	2076.1	1980.4	1900.5	1826.8
52.5°	2334.3	2288.6	2230.4	2147.5	2067.9	1982.9	1817.2	1732.6	1702.5	1628.0	1569.7
55°	1864.5	1838.3	1805.1	1756.4	1708.0	1688.7	1546.7	1483.8	1444.0	1414.6	1383.2
57.5°	1548.7	1529.2	1509.6	1476.5	1448.5	1414.6	1339.2	1307.0	1283.3	1266.0	1244.3
60°	1321.1	1309.4	1298.4	1279.0	1263.9	1245.6	1197.7	1179.5	1167.2	1156.7	1142.9
62.5°	1166.0	1159.9	1154.3	1144.0	1136.3	1126.3	1093.7	1084.9	1078.7	1073.5	1065.1
65°	1054.1	1049.8	1046.5	1039.7	1035.8	1030.1	1001.9	996.1	992.3	990.3	985.5
67.5°	952.3	947.9	945.7	940.9	939.3	935.6	912.6	909.4	908.1	908.7	907.0
70°	857.2	855.3	856.3	855.5	857.8	858.4	844.4	844.3	845.8	848.8	849.1
72.5°	800.2	800.2	801.3	801.8	803.9	804.9	793.3	792.7	793.4	795.5	795.6
75°	746.0	746.9	749.8	750.8	753.2	753.7	738.4	736.7	736.8	738.8	738.1
77.5°	670.9	674.1	679.8	682.7	687.4	688.2	671.1	669.1	669.2	671.2	669.4
80°	585.7	591.9	600.9	607.0	614.3	617.2	599.5	595.3	591.4	590.8	587.2
82.5°	495.2	502.8	513.5	519.0	526.8	528.6	499.1	493.4	490.1	490.4	487.1
85°	378.1	383.7	393.5	396.6	401.5	401.1	367.3	352.7	356.6	350.6	355.4
87.5°	237.1	240.4	246.6	247.3	249.6	249.1	215.1	208.5	206.4	206.5	204.1
90°	120.0	122.4	127.8	128.0	131.8	131.5	104.1	101.1	98.5	99.7	96.2
92.5°	32.4	34.3	36.6	38.6	41.0	43.1	42.2	43.3	41.5	39.1	37.4
95°	36.1	39.5	42.8	46.0	49.3	52.7	56.0	59.3	56.2	53.1	49.9
97.5°	40.7	44.6	48.4	52.3	56.2	60.1	64.1	68.0	64.7	61.1	57.8
100°	52.8	60.0	67.4	74.7	81.9	89.2	96.6	103.8	97.5	90.8	84.5
102.5°	106.7	122.1	137.5	153.0	168.4	183.8	199.5	215.0	200.2	185.4	170.5
105°	203.6	228.7	253.8	278.6	303.6	328.7	354.1	379.1	355.5	331.9	308.4
107.5°	321.0	346.4	371.6	396.8	422.3	447.6	473.4	498.8	475.7	452.5	429.6
110°	394.2	412.6	431.0	449.5	467.9	486.4	505.4	523.9	510.0	496.0	482.1



TEST NUMBER: P1444384
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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°	411.3	424.5	437.6	450.5	463.5	476.7	490.7	504.0	496.8	489.6	482.5
115°	390.7	399.6	408.1	416.9	425.7	434.3	444.1	453.0	450.6	448.1	445.6
117.5°	354.3	359.1	363.8	368.6	373.1	377.9	384.0	389.0	389.0	389.1	389.2
120°	315.6	317.4	319.1	321.1	322.7	324.4	327.8	329.9	331.5	332.9	334.5
122.5°	283.2	283.6	284.0	284.4	284.8	285.2	287.6	288.4	289.3	290.1	291.0
125°	257.8	257.7	257.7	257.7	257.6	257.5	259.7	260.0	259.8	259.3	259.0
127.5°	241.6	241.2	240.7	240.4	239.9	239.5	241.5	241.6	240.4	239.1	237.8
130°	230.6	230.4	230.0	229.6	229.3	229.2	231.4	231.7	229.9	227.8	226.0
132.5°	224.3	224.2	223.8	223.7	223.4	223.1	225.6	226.0	224.0	221.8	219.8
135°	219.7	219.5	219.4	219.2	219.0	218.9	221.7	222.2	220.3	218.0	216.0
137.5°	216.0	215.9	215.7	215.7	215.5	215.4	218.4	219.1	217.5	215.6	214.0
140°	213.5	213.3	213.3	213.3	213.3	213.4	216.7	217.4	216.1	214.7	213.3
142.5°	210.6	210.8	210.9	211.2	211.3	211.6	215.5	216.5	215.4	214.2	213.1
145°	209.4	209.8	210.0	210.4	210.7	211.1	215.4	216.7	216.0	215.1	214.3
147.5°	208.5	208.9	209.1	209.4	209.7	210.3	214.9	216.2	215.7	215.0	214.5
150°	207.5	207.9	208.1	208.5	209.0	209.5	214.8	216.4	215.9	215.4	214.9
152.5°	205.6	205.9	206.1	206.4	206.7	207.3	213.9	215.6	215.3	214.7	214.4
155°	205.4	205.5	205.6	205.8	206.0	206.5	213.7	215.5	215.2	214.9	214.6
157.5°	206.7	206.6	206.5	206.7	206.8	206.9	214.6	216.7	216.3	216.0	215.7
160°	208.4	208.4	208.2	208.3	208.2	208.3	216.1	218.1	217.9	217.5	217.2
162.5°	210.4	210.7	210.6	210.6	210.6	210.9	218.8	221.0	220.5	220.1	219.8
165°	213.8	213.6	213.5	213.6	213.5	213.5	221.0	222.9	222.7	222.3	222.0
167.5°	217.1	217.2	217.2	217.2	217.2	217.4	224.3	226.1	225.9	225.5	225.3
170°	220.9	221.0	221.0	221.1	221.2	221.4	227.1	228.6	228.4	227.9	227.7
172.5°	224.2	224.4	224.5	224.6	224.7	224.9	229.9	231.2	231.0	230.7	230.4
175°	226.0	226.1	226.2	226.4	226.5	226.7	230.6	231.6	231.5	231.3	231.1
177.5°	228.7	228.7	228.9	229.0	229.2	229.3	231.8	232.4	232.3	232.3	232.2
180°	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6



TEST NUMBER: P1444384
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CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8
2.5°	26572.7	26582.1	26583.4	26594.3	26593.5	26606.4	26604.4	26615.0	26608.7	26617.5	26610.2
5°	27196.9	27253.5	27283.1	27338.2	27355.7	27405.1	27419.2	27464.3	27466.1	27501.9	27493.7
7.5°	28079.3	28162.6	28212.1	28280.5	28315.1	28372.0	28397.0	28439.1	28452.7	28486.1	28488.6
10°	28606.2	28646.6	28675.0	28694.0	28711.4	28719.6	28729.1	28726.5	28729.1	28725.3	28733.5
12.5°	28398.9	28339.8	28300.6	28226.6	28183.6	28101.8	28061.5	27982.8	27954.2	27886.6	27876.9
15°	27349.2	27143.1	26997.4	26785.6	26652.4	26444.0	26322.1	26134.0	26048.1	25898.7	25859.5
17.5°	25436.1	25053.5	24757.2	24377.3	24113.7	23758.6	23535.3	23241.4	23080.5	22843.5	22761.4
20°	22754.1	22187.8	21743.5	21214.3	20835.5	20363.6	20061.6	19680.6	19459.4	19168.3	19050.3
22.5°	19605.2	18900.1	18345.3	17720.1	17263.2	16737.3	16375.4	15963.1	15722.4	15406.2	15266.2
25°	16359.5	15582.1	14965.3	14306.6	13823.8	13296.6	12934.6	12529.7	12280.6	11980.4	11841.2
27.5°	13255.4	12468.5	11872.4	11259.9	10817.1	10341.4	10014.8	9661.2	9440.2	9183.9	9053.1
30°	10516.2	9822.1	9314.8	8806.6	8438.2	8051.8	7780.4	7487.4	7293.5	7074.0	6949.3
32.5°	8284.4	7748.5	7351.4	6948.1	6646.6	6323.7	6089.1	5830.6	5655.5	5459.6	5346.7
35°	6561.1	6144.8	5828.0	5496.0	5236.9	4962.0	4755.3	4532.1	4375.1	4206.4	4108.8
37.5°	5183.9	4852.9	4592.2	4316.4	4103.7	3875.9	3799.2	3543.1	3380.4	3245.7	3152.4
40°	4068.4	3805.1	3589.4	3378.5	3205.0	3032.2	2893.6	2756.8	2651.8	2555.4	2488.8
42.5°	3177.1	2986.3	2828.8	2674.4	2547.7	2421.9	2321.4	2227.2	2156.4	2093.5	2050.5
45°	2525.6	2394.5	2285.0	2176.2	2086.9	2002.9	1935.3	1875.1	1829.4	1791.6	1764.7
47.5°	2074.9	1985.1	1907.8	1834.5	1773.8	1718.7	1673.4	1658.7	1609.6	1576.5	1563.8
50°	1763.3	1709.1	1650.4	1596.3	1555.8	1515.5	1486.2	1457.4	1438.9	1423.7	1419.2
52.5°	1530.9	1489.4	1456.8	1422.5	1395.7	1367.1	1346.8	1327.6	1317.6	1309.6	1308.6
55°	1358.0	1329.1	1307.4	1284.4	1268.4	1251.6	1241.1	1231.0	1226.5	1222.5	1222.8
57.5°	1227.2	1207.9	1193.7	1178.8	1170.2	1162.2	1159.5	1156.9	1158.3	1158.9	1161.2
60°	1131.9	1119.3	1110.5	1101.9	1098.3	1095.7	1097.7	1099.9	1104.6	1108.3	1111.6
62.5°	1058.8	1051.7	1047.3	1042.8	1042.4	1042.6	1046.5	1050.3	1056.1	1060.5	1063.7
65°	983.7	979.5	978.2	975.2	976.7	977.6	982.4	985.3	991.0	994.5	998.6
67.5°	907.7	906.8	907.6	907.6	910.3	912.5	917.1	920.4	925.4	928.5	931.8
70°	851.6	852.0	854.1	854.4	857.3	858.9	862.8	865.0	869.4	872.1	876.1
72.5°	797.1	796.2	796.7	795.4	796.4	796.0	798.1	799.2	803.0	805.1	809.9
75°	739.0	736.6	736.0	733.3	733.4	731.5	732.4	732.3	734.8	735.8	739.3
77.5°	668.9	664.7	662.7	658.3	658.2	656.6	658.3	659.4	663.7	665.7	669.8
80°	584.9	578.5	575.4	570.4	571.3	571.0	575.2	578.6	583.8	584.8	590.0
82.5°	486.1	479.6	476.4	471.4	472.6	472.7	476.7	477.3	481.9	483.9	489.8
85°	348.1	350.6	343.7	344.2	342.7	345.4	348.1	351.4	355.3	361.6	366.6
87.5°	205.0	204.1	206.5	206.8	210.4	212.3	217.9	221.2	227.6	232.6	241.7
90°	96.2	92.7	94.4	93.2	96.5	95.2	98.3	96.5	100.2	100.4	105.1
92.5°	34.9	33.1	30.7	28.8	26.4	24.7	23.3	22.7	21.4	20.8	19.5
95°	46.9	43.8	40.8	37.6	34.6	31.5	30.4	29.3	28.1	26.9	25.8
97.5°	54.5	51.3	47.9	44.5	41.2	37.8	37.1	36.3	35.6	34.8	34.1
100°	77.9	71.5	65.1	58.6	52.2	45.8	45.2	44.6	44.0	43.4	42.8
102.5°	155.9	141.1	126.4	111.6	97.0	82.2	79.7	77.1	74.6	72.0	69.4
105°	284.6	261.0	237.4	213.9	190.4	166.8	159.8	152.6	145.6	138.5	131.6
107.5°	406.5	383.4	360.4	337.5	314.5	291.5	280.3	269.3	258.0	246.9	235.9
110°	468.0	454.2	440.3	426.3	412.5	398.7	388.0	377.4	366.7	356.0	345.5



TEST NUMBER: P1444384
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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°	475.3	468.3	461.2	454.2	447.2	440.1	434.9	429.6	424.5	419.2	413.9
115°	443.1	440.6	438.2	435.8	433.5	431.0	430.5	430.2	429.6	429.2	428.9
117.5°	389.2	389.3	389.3	389.5	389.7	389.9	392.4	394.9	397.5	400.4	403.1
120°	335.9	337.3	338.7	340.3	341.8	343.6	346.9	350.4	353.9	357.6	361.3
122.5°	291.8	292.6	293.4	294.5	295.3	296.3	299.6	303.0	306.3	309.9	313.7
125°	258.4	257.9	257.6	257.1	256.6	256.4	258.9	261.6	264.4	267.3	270.1
127.5°	236.4	235.1	233.7	232.5	231.0	229.9	231.2	232.6	233.9	235.4	237.0
130°	223.9	222.0	219.9	218.0	215.8	214.0	214.3	214.5	214.8	215.2	215.5
132.5°	217.4	215.3	213.0	210.8	208.6	206.3	205.7	205.3	204.7	204.4	204.1
135°	213.9	211.9	209.6	207.5	205.2	203.2	202.2	201.3	200.5	199.7	199.0
137.5°	212.2	210.5	208.8	207.0	205.0	203.3	202.1	201.1	199.9	199.2	198.1
140°	211.7	210.4	208.7	207.1	205.7	204.3	203.1	202.3	201.3	200.6	199.7
142.5°	211.8	210.7	209.5	208.3	207.0	205.8	204.9	204.0	203.1	202.3	201.5
145°	213.4	212.5	211.6	210.7	209.8	209.0	208.0	207.3	206.5	205.9	205.4
147.5°	213.9	213.2	212.5	211.9	211.1	210.4	209.8	209.4	208.6	208.2	207.6
150°	214.2	213.6	212.9	212.6	211.8	211.2	210.7	210.3	209.7	209.5	209.1
152.5°	213.7	213.2	212.6	212.2	211.5	211.0	210.6	210.3	209.8	209.5	209.0
155°	214.1	213.7	213.2	212.8	212.2	211.9	211.4	210.9	210.6	210.2	209.7
157.5°	215.3	215.0	214.5	214.2	213.6	213.2	212.8	212.4	211.9	211.6	211.2
160°	216.8	216.5	216.0	215.7	215.3	214.9	214.3	213.9	213.4	213.0	212.4
162.5°	219.3	218.8	218.3	217.9	217.4	217.0	216.5	216.1	215.7	215.3	214.8
165°	221.6	221.2	220.8	220.4	220.2	219.8	219.2	218.8	218.2	217.8	217.2
167.5°	224.9	224.6	224.2	223.9	223.4	223.1	222.7	222.3	221.8	221.3	220.8
170°	227.4	226.9	226.6	226.2	225.8	225.4	225.0	224.5	224.1	223.8	223.2
172.5°	230.1	229.9	229.5	229.3	228.8	228.5	228.2	227.8	227.5	227.1	226.8
175°	231.0	230.9	230.8	230.5	230.4	230.2	230.0	229.9	229.6	229.5	229.2
177.5°	232.2	232.1	232.1	231.9	231.8	231.8	231.6	231.5	231.4	231.2	231.1
180°	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6



TEST NUMBER: P1444384
 CATALOG NUMBER: EHBR1-30-UNV-TA-L840-UPL12

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8
2.5°	26617.8	26611.1	26614.3	26601.8	26604.8	26589.8	26588.4	26571.3	26569.7	26553.7	26547.7
5°	27519.1	27504.2	27521.0	27494.9	27500.0	27466.1	27463.3	27419.5	27404.3	27349.4	27325.7
7.5°	28509.5	28503.9	28514.1	28492.3	28491.6	28461.4	28449.0	28409.6	28385.2	28327.7	28290.8
10°	28726.5	28731.7	28723.3	28725.3	28713.5	28710.3	28698.2	28690.5	28670.8	28655.9	28633.9
12.5°	27825.5	27830.8	27796.5	27818.3	27801.1	27841.3	27838.1	27885.4	27892.7	27952.6	27975.3
15°	25743.0	25736.6	25670.6	25712.1	25689.8	25778.1	25797.8	25916.6	25980.0	26132.5	26226.1
17.5°	22597.2	22580.2	22487.3	22537.9	22512.2	22642.3	22686.0	22875.7	22994.2	23239.8	23414.8
20°	18847.2	18814.6	18706.0	18765.2	18738.6	18886.5	18948.8	19178.3	19330.9	19656.2	19887.7
22.5°	15050.5	14999.2	14892.7	14948.0	14923.0	15076.1	15157.2	15387.5	15562.4	15896.3	16166.4
25°	11641.2	11595.4	11492.6	11531.3	11522.0	11651.5	11723.6	11941.4	12113.2	12431.4	12689.2
27.5°	8879.1	8831.4	8738.4	8765.9	8756.4	8866.8	8934.8	9116.7	9264.5	9532.3	9758.7
30°	6795.6	6738.1	6659.3	6674.4	6668.0	6757.4	6820.8	6974.1	7100.8	7327.2	7522.2
32.5°	5208.9	5151.0	5078.6	5085.7	5076.2	5146.3	5198.7	5331.9	5442.3	5634.8	5804.6
35°	3985.4	4053.0	3898.3	3996.2	3894.2	4044.1	3990.2	4073.4	4168.5	4330.6	4472.2
37.5°	3063.9	3016.8	2977.1	2972.8	2972.6	3007.3	3048.3	3128.4	3212.2	3332.9	3457.7
40°	2428.0	2395.0	2369.2	2367.3	2369.2	2393.9	2424.1	2479.6	2540.9	2627.6	2719.4
42.5°	2013.8	1991.9	1976.3	1975.2	1980.2	1997.6	2018.7	2051.6	2091.5	2147.8	2210.6
45°	1742.9	1730.7	1722.1	1721.7	1723.9	1733.0	1745.1	1765.6	1790.9	1826.0	1865.7
47.5°	1552.9	1549.9	1544.5	1544.7	1542.3	1546.0	1547.4	1558.9	1572.3	1598.8	1650.7
50°	1414.5	1414.5	1410.8	1410.6	1407.1	1406.8	1403.9	1408.5	1414.7	1431.2	1447.7
52.5°	1305.1	1304.7	1300.7	1299.9	1296.2	1296.0	1293.4	1295.3	1296.1	1304.3	1314.3
55°	1219.7	1217.1	1211.8	1210.1	1208.7	1210.8	1209.8	1209.9	1208.8	1212.3	1215.2
57.5°	1158.3	1155.0	1150.0	1148.4	1148.1	1150.7	1150.8	1149.9	1145.2	1142.1	1137.6
60°	1109.8	1106.5	1101.0	1099.6	1100.4	1103.9	1103.7	1100.8	1094.0	1088.0	1080.9
62.5°	1062.1	1060.8	1057.9	1057.6	1056.9	1057.5	1055.0	1051.9	1045.1	1038.8	1031.2
65°	998.1	998.8	996.8	997.1	994.6	994.2	990.4	987.4	980.5	974.8	967.0
67.5°	931.7	932.2	930.5	930.5	929.3	929.5	927.2	924.3	918.5	913.9	907.8
70°	876.9	878.3	877.3	877.6	876.1	875.5	872.0	869.3	863.2	859.3	853.9
72.5°	811.4	814.4	814.3	815.0	812.6	811.4	807.2	803.8	798.3	795.2	790.9
75°	740.7	744.5	745.6	747.3	743.9	742.1	737.5	734.8	730.3	728.5	725.7
77.5°	671.6	675.8	679.9	683.6	678.1	673.3	667.6	663.1	656.9	654.3	650.0
80°	594.0	601.6	610.4	617.9	608.2	598.3	588.9	581.8	573.4	570.0	564.4
82.5°	492.8	500.5	505.6	510.5	503.6	496.4	487.2	481.0	472.0	468.7	462.2
85°	374.4	383.9	387.0	389.6	385.2	381.4	372.7	361.0	355.4	346.4	341.7
87.5°	246.3	251.9	253.1	254.0	251.2	249.4	243.8	238.3	228.5	221.5	212.9
90°	104.3	107.7	104.9	105.8	103.0	103.9	98.8	97.5	90.0	87.6	80.9
92.5°	18.7	17.4	16.5	15.4	17.0	17.5	18.9	19.5	20.7	21.4	22.7
95°	24.7	23.5	22.4	21.3	22.2	23.1	24.0	24.9	25.7	26.6	27.5
97.5°	33.3	32.6	31.8	31.1	31.6	32.1	32.7	33.2	33.7	34.2	34.9
100°	42.2	41.6	41.0	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
102.5°	66.9	64.4	61.8	59.2	60.9	62.7	64.4	66.1	67.9	69.6	71.3
105°	124.5	117.5	110.5	103.5	110.3	117.0	123.9	130.7	137.4	144.4	151.2
107.5°	224.7	213.6	202.6	191.5	203.9	216.3	228.6	240.9	253.4	265.7	278.2
110°	334.9	324.4	313.8	303.3	316.4	329.5	342.7	355.8	368.9	382.0	395.3



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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°	408.7	403.7	398.6	393.4	401.9	410.3	418.7	427.4	435.8	444.4	452.8
115°	428.5	428.2	427.9	427.6	431.7	435.6	439.6	443.7	447.8	451.7	456.0
117.5°	405.8	408.5	411.5	414.3	415.6	416.8	418.2	419.5	421.0	422.4	423.9
120°	365.1	368.6	372.4	376.3	375.8	375.2	374.7	374.2	374.0	373.6	373.4
122.5°	317.3	321.0	324.8	328.5	327.4	326.3	325.2	324.2	323.4	322.4	321.5
125°	273.2	276.2	279.3	282.4	281.3	280.2	279.1	278.3	277.4	276.5	275.8
127.5°	238.8	240.6	242.4	244.3	243.8	243.3	243.0	242.6	242.4	242.3	242.2
130°	216.1	216.8	217.6	218.4	218.7	218.8	219.2	219.5	220.1	220.5	221.3
132.5°	204.1	203.9	204.0	204.1	204.7	205.3	206.1	206.9	208.1	209.0	210.4
135°	198.5	198.0	197.7	197.4	198.3	199.1	200.2	201.3	202.6	204.0	205.5
137.5°	197.6	196.9	196.4	195.7	196.7	197.6	198.7	199.8	201.1	202.5	204.0
140°	199.1	198.4	198.1	197.5	198.4	199.2	200.3	201.4	202.7	204.1	205.6
142.5°	200.9	200.3	199.9	199.6	200.2	201.0	202.2	203.1	204.3	205.3	206.8
145°	204.8	204.2	204.0	203.6	204.1	204.7	205.4	206.2	207.0	207.9	209.1
147.5°	207.1	206.7	206.5	206.2	206.6	207.0	207.6	208.1	208.8	209.5	210.3
150°	209.0	208.5	208.3	208.2	208.4	208.6	209.0	209.2	209.7	210.1	210.8
152.5°	208.9	208.4	208.4	208.2	208.3	208.6	208.9	209.1	209.5	209.8	210.3
155°	209.5	209.2	208.9	208.6	208.6	208.5	208.7	208.6	208.9	208.9	209.2
157.5°	211.0	210.6	210.4	210.0	209.9	209.6	209.6	209.5	209.5	209.3	209.4
160°	212.1	211.7	211.3	210.9	210.8	210.6	210.6	210.4	210.4	210.4	210.4
162.5°	214.5	214.1	213.9	213.5	213.3	212.9	212.7	212.3	212.1	211.9	211.8
165°	216.7	216.3	215.9	215.4	215.3	215.1	214.8	214.6	214.5	214.3	214.2
167.5°	220.5	219.9	219.6	219.1	218.8	218.3	218.2	217.8	217.5	217.2	217.2
170°	222.9	222.5	222.2	221.8	221.6	221.3	221.2	221.0	220.9	220.8	220.8
172.5°	226.5	226.2	225.9	225.6	225.4	225.2	225.1	225.0	224.9	224.9	224.8
175°	229.1	228.9	228.8	228.7	228.5	228.4	228.3	228.2	228.1	227.9	227.9
177.5°	230.8	230.7	230.6	230.5	230.4	230.4	230.4	230.4	230.4	230.3	230.2
180°	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6



TEST NUMBER: P1444384
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CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8
2.5°	26530.4	26523.5	26505.1	26496.0	26479.1	26470.5	26457.3	26448.7	26438.0	26430.0	26425.9
5°	27265.5	27231.6	27163.6	27121.7	27048.4	27000.0	26927.1	26873.6	26798.3	26742.8	26671.7
7.5°	28221.9	28169.9	28082.8	28016.7	27914.0	27835.5	27720.3	27628.0	27500.7	27395.0	27264.9
10°	28611.3	28580.9	28541.8	28499.3	28442.4	28386.6	28307.9	28227.7	28120.8	28014.5	27875.5
12.5°	28035.8	28064.4	28120.8	28147.2	28190.2	28204.9	28224.7	28215.4	28197.9	28154.5	28091.5
15°	26405.9	26525.4	26714.1	26844.5	27027.4	27155.8	27325.7	27435.1	27561.1	27636.4	27707.9
17.5°	23724.9	23955.9	24288.8	24554.4	24911.1	25201.0	25556.3	25835.3	26157.5	26404.8	26668.0
20°	20291.0	20614.4	21074.0	21464.4	21981.1	22419.2	22980.6	23450.8	23999.3	24456.5	24950.0
22.5°	16595.1	16975.5	17502.1	17972.9	18590.0	19141.1	19844.4	20466.2	21207.8	21872.0	22606.9
25°	13108.4	13481.2	14017.7	14505.3	15171.3	15778.4	16546.8	17260.1	18120.6	18923.1	19844.4
27.5°	10118.5	10449.6	10921.2	11360.0	11970.1	12566.1	13345.8	14106.5	15024.7	15887.1	16880.0
30°	7814.3	8083.0	8460.9	8813.8	9303.6	9791.0	10485.6	11189.0	12102.8	12996.4	14014.3
32.5°	6055.8	6285.0	6600.4	6886.9	7264.3	7631.8	8143.3	8705.5	9506.9	10362.9	11347.1
35°	4687.9	4883.9	5152.4	5399.2	5709.5	6001.3	6383.0	6784.2	7395.9	8115.9	8996.6
37.5°	3737.4	3817.3	4009.0	4211.2	4469.0	4708.7	5007.3	5304.0	5741.6	6309.7	7029.2
40°	2842.3	2969.2	3125.1	3284.4	3479.5	3671.9	3999.5	4157.2	4445.3	4853.1	5411.6
42.5°	2293.4	2382.6	2492.3	2603.1	2739.1	2873.0	3038.7	3207.5	3422.8	3699.1	4096.3
45°	1919.1	1977.3	2048.1	2121.8	2211.2	2302.5	2413.5	2529.4	2675.4	2845.2	3086.4
47.5°	1669.1	1701.3	1747.5	1797.8	1859.1	1922.3	1994.5	2068.3	2159.1	2259.8	2397.1
50°	1473.9	1500.8	1536.7	1570.4	1612.6	1677.5	1706.1	1746.9	1801.4	1860.7	1937.5
52.5°	1332.8	1350.6	1373.1	1392.5	1419.3	1443.5	1475.4	1503.4	1541.1	1576.8	1626.4
55°	1222.8	1229.3	1242.1	1254.5	1273.0	1289.6	1311.4	1329.8	1353.9	1375.2	1406.4
57.5°	1137.8	1138.5	1144.4	1150.9	1162.8	1173.2	1188.2	1200.3	1217.0	1230.6	1249.3
60°	1076.8	1073.6	1074.8	1077.0	1083.8	1090.5	1100.1	1108.0	1118.5	1126.1	1136.7
62.5°	1026.1	1020.9	1019.8	1019.2	1022.5	1024.9	1030.2	1034.0	1040.0	1043.3	1049.0
65°	961.9	955.9	953.5	950.8	951.8	951.0	952.9	953.0	956.0	956.7	960.0
67.5°	903.7	898.7	895.7	892.0	890.2	887.6	886.4	883.9	883.5	881.3	880.8
70°	850.6	845.7	843.1	839.7	838.0	834.4	832.2	827.9	825.4	821.3	819.1
72.5°	789.2	786.4	785.7	783.3	782.7	780.8	779.9	776.8	775.0	771.6	769.7
75°	725.1	722.7	722.5	720.2	720.0	717.7	717.1	713.9	712.2	708.7	707.2
77.5°	648.6	645.3	644.2	641.5	642.2	641.0	642.0	639.5	638.5	635.1	634.0
80°	562.5	558.2	556.4	552.7	553.7	552.1	553.7	553.5	554.8	552.1	551.6
82.5°	460.5	455.8	454.9	452.3	454.0	454.3	457.9	455.9	456.7	454.2	455.2
85°	335.1	331.6	326.6	326.0	322.8	326.1	321.9	324.7	320.1	323.3	318.9
87.5°	207.8	200.5	196.7	191.4	189.5	184.4	182.4	178.8	179.8	178.2	179.1
90°	79.9	74.1	73.4	68.8	69.0	65.2	66.2	63.7	65.3	62.7	64.6
92.5°	23.3	24.3	26.0	28.2	29.8	31.6	33.3	35.4	37.0	39.0	40.7
95°	28.5	29.4	31.8	34.2	36.6	39.0	41.5	43.9	46.3	48.7	51.2
97.5°	35.4	35.9	38.3	40.8	43.2	45.6	47.9	50.6	53.0	55.4	57.8
100°	40.4	40.5	47.3	54.2	61.0	68.0	74.8	81.6	88.7	95.6	102.4
102.5°	73.1	74.8	92.1	109.5	126.8	144.2	161.5	179.0	196.4	213.8	231.3
105°	158.0	164.9	191.3	217.8	244.3	270.8	297.3	323.9	350.4	377.0	403.5
107.5°	290.6	303.0	327.0	350.9	374.8	398.9	423.0	446.9	470.9	494.9	519.1
110°	408.4	421.7	437.7	453.8	470.0	486.0	502.3	518.4	534.7	550.8	567.1



TEST NUMBER: P1444384
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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°	461.3	470.0	479.4	489.0	498.3	507.9	517.3	526.9	536.5	546.2	555.8
115°	460.1	464.2	467.9	471.8	475.5	479.5	483.3	487.3	491.4	495.3	499.4
117.5°	425.2	426.9	427.5	428.4	429.1	430.2	431.0	432.1	433.1	434.2	435.0
120°	373.1	372.9	372.6	372.2	371.9	371.7	371.6	371.4	371.4	371.3	371.1
122.5°	320.7	320.1	319.8	319.6	319.4	319.3	319.2	319.3	319.3	319.3	319.3
125°	275.1	274.4	275.4	276.4	277.4	278.5	279.5	280.7	281.8	283.0	284.2
127.5°	242.1	242.3	244.1	245.9	247.9	249.9	251.9	254.0	256.0	258.2	260.1
130°	222.0	222.9	225.1	227.5	229.9	232.4	234.8	237.3	239.6	242.2	244.6
132.5°	211.5	213.0	215.0	217.4	219.8	222.2	224.6	227.0	229.4	232.0	234.1
135°	207.1	208.8	210.9	213.1	215.3	217.6	219.8	222.2	224.3	226.5	228.6
137.5°	205.5	207.2	209.2	210.9	212.7	214.8	216.6	218.7	220.4	222.3	224.1
140°	207.1	208.8	209.9	211.4	212.6	214.0	215.0	216.5	217.6	219.2	220.3
142.5°	208.2	209.8	210.5	211.5	212.4	213.6	214.5	215.5	216.4	217.2	218.0
145°	210.1	211.3	211.7	212.2	212.7	213.2	213.6	214.0	214.3	214.7	215.1
147.5°	211.2	212.1	212.2	212.6	212.8	213.0	213.2	213.5	213.5	213.8	214.0
150°	211.3	212.0	211.9	212.0	211.9	212.0	211.9	212.0	211.9	212.0	211.9
152.5°	210.7	211.2	210.9	211.0	210.8	210.7	210.5	210.5	210.3	210.2	210.2
155°	209.2	209.5	209.3	209.3	209.1	209.1	208.9	209.1	209.0	209.0	209.0
157.5°	209.3	209.3	209.2	209.2	209.0	209.0	209.0	209.0	209.0	209.3	209.4
160°	210.3	210.3	210.1	210.1	210.0	209.9	209.9	210.0	210.0	210.4	210.5
162.5°	211.5	211.4	211.2	211.2	211.1	211.1	211.2	211.4	211.4	211.7	211.9
165°	214.2	214.3	214.0	214.0	213.9	213.8	213.8	213.8	214.0	214.1	214.3
167.5°	217.0	216.9	216.9	217.0	217.0	217.1	217.2	217.6	217.7	218.1	218.1
170°	220.7	220.8	220.6	220.6	220.6	220.6	220.6	220.6	220.7	220.8	220.8
172.5°	224.8	224.8	224.7	224.5	224.4	224.3	224.2	224.1	224.0	223.9	223.8
175°	227.7	227.6	227.5	227.5	227.4	227.2	227.2	226.9	226.8	226.8	226.7
177.5°	230.1	229.9	229.7	229.7	229.6	229.5	229.5	229.4	229.4	229.4	229.2
180°	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6



TEST NUMBER: P1444384
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CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8
2.5°	26420.6	26420.3	26417.7	26418.9	26419.5	26421.3	26423.6	26425.9	26426.4	26428.2	26428.6
5°	26618.3	26552.9	26504.6	26451.4	26411.5	26375.5	26351.5	26332.5	26325.1	26326.9	26331.4
7.5°	27154.5	27019.6	26908.2	26781.7	26676.1	26564.3	26471.7	26383.6	26319.5	26271.6	26244.9
10°	27742.9	27578.5	27421.3	27238.2	27064.4	26879.0	26711.0	26541.8	26400.9	26278.4	26188.5
12.5°	28004.0	27887.8	27751.8	27579.0	27393.1	27179.1	26963.1	26731.4	26516.0	26316.0	26154.8
15°	27727.5	27727.7	27678.2	27595.2	27466.1	27295.1	27089.2	26847.8	26593.6	26334.3	26097.4
17.5°	26850.0	27015.6	27107.6	27165.9	27148.0	27085.0	26954.0	26768.6	26531.7	26255.4	25966.3
20°	25343.0	25733.5	26011.9	26262.3	26402.6	26495.8	26486.6	26411.1	26242.4	26007.5	25706.4
22.5°	23231.9	23887.4	24404.6	24886.9	25225.1	25500.3	25631.1	25686.6	25610.1	25446.6	25163.9
25°	20667.9	21559.0	22319.6	23057.7	23611.3	24087.2	24373.1	24574.6	24590.6	24505.1	24252.8
27.5°	17818.6	18870.6	19833.2	20814.2	21592.8	22276.8	22725.6	23054.1	23158.5	23144.7	22915.7
30°	14973.2	16077.5	17138.6	18282.4	19245.9	20119.8	20712.7	21156.9	21328.1	21360.9	21140.6
32.5°	12285.8	13374.9	14432.9	15628.8	16689.1	17690.6	18391.0	18918.9	19117.9	19164.7	18923.1
35°	9846.9	10851.7	11857.2	13016.2	14070.3	15107.5	15845.5	16398.1	16584.0	16615.3	16335.6
37.5°	7732.0	8588.0	9464.2	10504.1	11472.1	12446.2	13147.5	13666.7	13802.1	13793.7	13477.1
40°	5951.2	6616.7	7320.7	8176.8	8981.6	9805.1	10397.2	10826.5	10897.6	10844.9	10512.4
42.5°	4474.9	4955.6	5466.1	6105.1	6702.3	7318.5	7749.3	8068.1	8078.2	7994.8	7696.2
45°	3333.8	3802.8	4016.8	4403.2	4787.8	5197.7	5460.7	5657.6	5627.1	5553.7	5326.9
47.5°	2541.5	2721.7	2912.9	3152.4	3376.5	3841.5	3807.1	4123.2	3895.4	4050.7	3709.0
50°	2018.2	2118.9	2221.9	2349.1	2466.1	2587.7	2663.7	2720.4	2713.0	2688.6	2623.1
52.5°	1717.0	1748.1	1798.8	1871.2	1936.6	2002.3	2045.5	2080.7	2081.4	2071.6	2038.4
55°	1435.0	1474.6	1511.0	1558.3	1638.7	1651.1	1713.2	1700.6	1705.5	1688.3	1705.9
57.5°	1265.3	1288.2	1308.8	1336.9	1360.1	1387.3	1403.3	1418.8	1417.2	1413.9	1397.1
60°	1144.9	1157.6	1169.0	1185.5	1198.2	1213.5	1220.9	1228.8	1226.2	1220.5	1205.5
62.5°	1052.2	1060.2	1066.6	1077.2	1085.0	1094.6	1098.4	1101.7	1098.4	1092.9	1079.7
65°	960.7	965.8	970.0	977.9	983.4	991.5	994.8	997.9	994.9	990.6	980.5
67.5°	878.1	878.6	878.2	881.5	883.2	888.1	889.5	891.9	888.2	884.6	876.1
70°	815.6	814.3	812.7	814.0	814.3	816.6	817.0	816.6	812.4	806.1	796.8
72.5°	766.6	765.9	764.7	765.8	765.8	767.9	767.3	766.2	761.0	754.9	745.7
75°	703.7	703.3	700.9	701.0	699.0	699.6	697.1	695.7	689.9	684.7	676.5
77.5°	630.1	628.9	625.5	624.2	620.4	618.9	614.1	611.8	605.8	601.7	594.6
80°	548.0	546.7	542.2	539.8	533.9	530.1	523.1	519.0	512.3	508.2	501.4
82.5°	452.9	453.4	449.0	446.0	437.5	431.0	421.6	416.5	409.0	405.1	397.9
85°	322.2	317.5	320.0	319.8	314.5	308.9	301.2	295.8	289.5	285.7	280.8
87.5°	176.7	177.8	176.5	175.4	171.6	168.8	162.9	159.7	155.1	152.8	149.0
90°	59.4	58.7	53.8	53.2	48.4	46.2	40.8	39.3	34.2	33.3	29.8
92.5°	38.6	36.6	34.7	32.5	30.7	28.7	26.5	24.5	22.5	21.6	21.2
95°	48.2	45.4	42.5	39.6	36.5	33.6	30.8	27.8	24.9	24.3	23.7
97.5°	54.5	51.0	47.5	44.2	40.7	37.2	33.9	30.4	26.9	26.5	26.1
100°	94.5	86.6	78.6	70.6	62.7	54.7	46.8	38.8	31.0	30.6	30.1
102.5°	211.9	192.6	173.4	154.2	135.0	115.6	96.5	77.1	57.8	55.0	52.3
105°	374.3	345.1	316.1	287.0	257.7	228.5	199.5	170.1	141.0	131.7	122.3
107.5°	491.8	464.3	437.1	409.8	382.2	355.0	327.4	300.0	272.5	256.1	239.6
110°	545.4	523.7	502.2	480.5	458.8	437.1	415.4	393.7	372.0	357.8	343.8



TEST NUMBER: P1444384
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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°	540.0	524.3	508.6	492.7	477.1	461.1	445.3	429.4	413.5	405.0	396.5
115°	490.0	480.6	471.3	461.9	452.5	443.2	433.8	424.2	414.7	410.4	406.0
117.5°	430.5	425.9	421.5	416.7	412.1	407.3	402.8	398.1	393.3	392.0	390.6
120°	370.3	369.2	367.9	366.8	365.7	364.5	363.1	361.9	360.6	361.1	361.6
122.5°	320.4	321.4	322.5	323.3	324.4	325.2	326.2	326.9	327.8	329.4	331.0
125°	286.1	287.9	289.9	291.7	293.5	295.2	297.3	298.9	300.8	302.3	304.0
127.5°	262.3	264.3	266.5	268.5	270.6	272.5	274.6	276.5	278.6	280.1	281.7
130°	246.5	248.3	250.3	252.1	254.0	255.9	257.7	259.6	261.4	262.7	264.2
132.5°	235.9	237.7	239.5	241.1	243.0	244.6	246.4	248.1	249.9	251.0	252.4
135°	230.3	231.6	233.0	234.3	235.9	237.2	238.7	240.1	241.8	242.8	243.9
137.5°	225.4	226.4	227.8	228.9	230.4	231.5	232.9	234.1	235.7	236.3	237.3
140°	221.4	222.6	223.9	225.1	226.4	227.5	229.1	230.5	232.0	232.7	233.6
142.5°	219.2	220.0	221.1	222.1	223.1	224.1	225.4	226.6	227.9	228.7	229.5
145°	216.2	217.2	218.4	219.5	220.5	221.7	223.2	224.5	225.9	226.5	227.3
147.5°	214.9	215.7	216.8	217.6	218.8	219.7	221.1	222.2	223.6	224.2	224.8
150°	212.9	213.7	214.7	215.5	216.6	217.7	219.1	220.3	221.8	222.4	223.1
152.5°	211.1	212.0	213.0	214.1	215.1	216.3	217.6	219.0	220.4	220.9	221.7
155°	210.0	210.8	211.9	213.0	214.1	215.1	216.4	217.6	219.0	219.8	220.4
157.5°	210.3	211.0	212.1	213.1	214.0	215.0	216.3	217.3	218.5	219.2	219.8
160°	211.3	212.1	213.0	214.0	214.8	215.8	216.8	217.8	218.9	219.5	220.1
162.5°	212.7	213.6	214.5	215.2	216.2	217.2	218.2	219.2	220.2	220.7	221.2
165°	215.0	215.7	216.4	217.0	217.7	218.3	219.3	220.0	220.9	221.3	221.9
167.5°	218.9	219.3	219.9	220.4	221.1	221.6	222.4	222.9	223.6	224.0	224.5
170°	221.3	221.8	222.2	222.7	223.3	223.8	224.3	224.8	225.5	225.9	226.3
172.5°	224.1	224.3	224.7	225.0	225.3	225.6	226.0	226.4	226.7	227.2	227.5
175°	227.0	227.0	227.2	227.3	227.4	227.6	227.9	228.0	228.2	228.5	228.7
177.5°	229.3	229.4	229.4	229.5	229.9	230.0	230.1	230.2	230.4	230.6	230.9
180°	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6



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CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8
2.5°	26427.7	26427.5	26426.6	26425.4	26424.2	26424.9	26426.1	26429.1	26434.5	26442.2	26452.1
5°	26335.0	26340.4	26343.5	26343.9	26341.1	26339.4	26342.0	26349.2	26363.9	26388.5	26421.7
7.5°	26237.7	26244.4	26254.6	26262.3	26263.8	26261.8	26262.3	26273.7	26300.7	26348.5	26415.7
10°	26133.8	26114.1	26124.5	26143.6	26158.7	26161.5	26163.4	26176.8	26216.3	26288.6	26396.4
12.5°	26038.0	25975.4	25963.4	25980.5	26003.5	26010.9	26008.9	26014.6	26061.0	26156.6	26307.0
15°	25911.7	25794.1	25753.9	25758.4	25786.7	25797.0	25789.5	25778.1	25823.2	25940.1	26134.5
17.5°	25707.5	25517.9	25444.0	25440.7	25473.9	25482.8	25464.5	25429.1	25473.5	25619.4	25860.9
20°	25397.1	25117.1	24978.0	24955.9	24991.9	24981.4	24945.0	24891.5	24949.8	25127.1	25414.3
22.5°	24839.1	24484.3	24246.6	24169.9	24213.1	24184.2	24131.0	24062.8	24140.3	24341.8	24661.6
25°	23927.1	23517.2	23191.8	23009.1	23043.5	22992.0	22934.1	22851.3	22943.8	23175.0	23527.1
27.5°	22586.7	22113.2	21709.8	21407.7	21418.7	21351.1	21284.5	21177.4	21292.8	21566.5	21963.5
30°	20804.3	20256.4	19765.2	19354.4	19317.7	19252.1	19183.8	19043.4	19187.7	19515.4	19979.3
32.5°	18565.8	17957.5	17390.0	16870.7	16772.7	16708.7	16647.9	16486.2	16675.2	17057.2	17590.3
35°	15948.1	15300.1	14684.8	14091.6	13929.3	13865.4	13812.2	13657.2	13893.2	14308.9	14884.6
37.5°	13074.7	12412.8	11802.0	11193.6	10964.3	10877.5	10838.9	10737.4	11009.7	11420.9	11998.8
40°	10124.9	9509.4	8961.8	8424.5	8163.1	8030.3	8010.0	7991.6	8254.8	8611.6	9136.2
42.5°	7365.5	6869.0	6446.7	6036.0	5799.0	5617.7	5617.6	5672.7	5909.7	6176.9	6581.5
45°	5094.9	4761.7	4492.7	4218.2	4291.6	3930.2	4142.6	4033.5	4150.6	4323.0	4586.0
47.5°	3502.2	3320.4	3172.6	3019.2	2907.5	2800.8	2810.2	2879.0	2989.3	3091.5	3228.4
50°	2552.6	2459.9	2384.7	2305.1	2249.5	2202.3	2205.1	2234.8	2292.9	2346.7	2418.4
52.5°	2000.1	1949.0	1908.1	1864.1	1834.9	1811.6	1812.8	1827.2	1858.6	1889.4	1930.4
55°	1648.6	1642.5	1589.3	1549.7	1534.7	1518.9	1521.8	1527.5	1548.8	1566.9	1594.0
57.5°	1381.5	1357.6	1341.7	1320.9	1311.3	1300.3	1302.8	1304.9	1319.2	1331.3	1350.8
60°	1192.9	1176.0	1164.7	1150.6	1144.3	1137.2	1138.9	1140.2	1149.3	1157.1	1171.1
62.5°	1067.6	1052.5	1042.7	1031.7	1027.4	1022.6	1023.7	1024.0	1029.8	1035.5	1046.2
65°	971.5	959.6	951.4	941.9	937.3	932.4	932.9	932.9	937.7	941.9	949.9
67.5°	869.9	860.9	855.5	848.1	844.9	839.9	839.8	838.3	841.4	843.0	848.5
70°	788.3	779.1	772.4	765.2	761.3	756.9	757.0	757.1	760.7	764.5	771.5
72.5°	737.9	729.2	723.2	716.9	713.2	709.4	708.7	708.3	710.9	713.1	717.7
75°	671.2	664.2	660.7	654.7	651.8	647.6	646.9	645.0	646.3	646.7	650.1
77.5°	590.3	583.6	580.8	574.8	572.3	567.6	567.2	564.9	565.9	565.2	567.9
80°	497.9	492.0	490.4	485.4	484.3	479.9	479.2	476.6	477.3	475.2	476.2
82.5°	394.9	389.5	388.3	383.7	383.7	379.7	379.5	375.4	375.4	372.0	366.6
85°	278.2	274.1	272.5	268.8	267.7	264.5	262.7	258.9	257.6	255.1	254.4
87.5°	146.8	144.3	142.0	140.3	137.0	131.2	130.7	126.6	126.9	124.1	124.3
90°	29.2	26.0	25.6	22.8	22.1	20.1	19.7	19.5	19.8	19.8	20.3
92.5°	20.5	19.8	19.2	18.5	17.8	17.2	16.4	17.2	17.8	18.5	19.2
95°	23.1	22.5	22.0	21.4	20.8	20.2	19.6	20.2	20.8	21.5	22.1
97.5°	25.8	25.4	25.0	24.6	24.3	23.9	23.5	24.0	24.4	24.7	25.1
100°	29.7	29.2	28.8	28.3	27.8	27.3	26.9	27.5	28.1	28.5	29.0
102.5°	49.5	46.7	44.0	41.2	38.3	35.6	32.8	35.6	38.3	41.3	44.1
105°	112.8	103.5	94.1	84.8	75.3	65.9	56.5	66.0	75.4	84.9	94.3
107.5°	223.0	206.6	190.1	173.6	156.9	140.5	123.9	140.6	157.1	173.7	190.3
110°	329.5	315.3	301.1	286.9	272.6	258.4	244.1	258.5	272.8	287.1	301.4



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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°	387.9	379.3	370.7	362.1	353.4	344.9	336.1	345.1	353.8	362.6	371.3
115°	401.5	397.0	392.7	388.3	383.6	379.2	374.5	379.5	384.1	388.9	393.5
117.5°	389.2	387.9	386.2	384.8	383.3	381.9	380.3	382.1	383.8	385.7	387.3
120°	361.9	362.5	362.8	363.1	363.5	363.8	364.0	364.2	364.2	364.2	364.1
122.5°	332.5	334.0	335.3	336.8	338.2	339.5	340.7	339.9	339.0	338.1	336.9
125°	305.4	307.2	308.7	310.3	311.7	313.2	314.3	313.7	312.8	311.8	310.6
127.5°	283.3	284.8	286.3	287.9	289.2	290.4	291.5	291.0	290.2	289.3	288.3
130°	265.5	267.0	268.1	269.3	270.4	271.4	272.2	272.0	271.5	271.1	270.3
132.5°	253.5	254.7	255.8	256.9	257.7	258.7	259.2	259.3	259.0	258.8	258.2
135°	244.8	245.8	246.7	247.8	248.3	249.0	249.4	249.7	249.6	249.6	249.2
137.5°	238.0	239.0	239.6	240.2	240.7	241.3	241.5	242.0	242.1	242.5	242.3
140°	234.4	235.3	236.0	236.6	237.3	237.8	238.0	238.5	238.7	238.8	238.7
142.5°	230.5	231.3	232.0	232.7	233.2	233.7	234.0	234.4	234.6	234.7	234.7
145°	228.0	228.7	229.3	230.1	230.4	230.8	230.9	231.5	231.7	232.0	232.1
147.5°	225.5	226.3	226.6	227.2	227.6	227.9	228.1	228.5	228.9	229.1	229.2
150°	224.0	224.7	225.3	225.8	226.4	226.8	226.9	227.4	227.6	227.7	227.7
152.5°	222.4	223.0	223.6	224.1	224.6	224.9	225.1	225.5	225.9	226.1	226.2
155°	221.0	221.7	222.3	222.9	223.3	223.8	224.1	224.5	224.8	225.0	225.2
157.5°	220.3	221.0	221.5	222.1	222.5	223.1	223.5	223.9	224.2	224.6	224.8
160°	220.5	221.2	221.6	222.2	222.7	223.2	223.6	224.0	224.4	224.7	225.1
162.5°	221.7	222.3	222.6	223.2	223.7	224.2	224.6	225.0	225.4	225.8	226.1
165°	222.4	223.0	223.5	224.1	224.6	225.2	225.6	225.9	226.1	226.5	226.7
167.5°	224.9	225.5	225.9	226.5	226.8	227.4	227.9	228.2	228.3	228.6	228.8
170°	226.6	227.1	227.5	227.9	228.4	228.8	229.1	229.3	229.6	229.9	230.1
172.5°	227.9	228.4	228.8	229.3	229.7	230.1	230.5	230.7	230.8	230.8	230.8
175°	229.0	229.4	229.7	230.1	230.4	230.7	231.1	231.0	231.2	231.1	231.2
177.5°	231.3	231.7	232.0	232.2	232.6	232.8	233.1	232.9	232.8	232.6	232.4
180°	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6



TEST NUMBER: P1444384
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CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8
2.5°	26466.3	26479.6	26499.8	26518.1	26545.8	26567.6	26600.4	26625.2	26662.1	26686.1	26726.3
5°	26468.7	26520.5	26588.6	26655.0	26734.9	26807.4	26897.5	26974.3	27064.9	27138.8	27231.4
7.5°	26506.1	26605.9	26725.6	26846.3	26982.6	27110.2	27253.9	27384.1	27526.2	27646.6	27778.1
10°	26533.7	26687.7	26864.1	27041.6	27228.4	27401.9	27577.2	27728.6	27870.1	27986.5	28089.5
12.5°	26496.2	26708.4	26934.8	27153.3	27361.1	27540.7	27691.4	27807.9	27888.3	27942.8	27955.6
15°	26369.0	26624.3	26870.4	27088.0	27260.5	27393.3	27462.2	27494.4	27459.8	27402.4	27276.2
17.5°	26131.3	26400.6	26620.5	26792.3	26883.4	26919.4	26862.4	26763.3	26569.5	26354.4	26043.7
20°	25695.5	25946.3	26106.0	26199.6	26175.2	26085.1	25869.9	25608.3	25221.4	24809.1	24264.9
22.5°	24931.0	25150.3	25235.4	25242.4	25093.6	24868.0	24479.9	24031.2	23420.8	22786.2	22005.9
25°	23783.5	23975.7	23989.1	23913.6	23641.5	23275.8	22705.8	22071.2	21241.8	20396.2	19418.3
27.5°	22227.3	22411.5	22366.4	22225.6	21847.9	21358.6	20628.8	19808.9	18786.4	17787.7	16705.9
30°	20271.0	20468.1	20415.1	20234.5	19785.2	19206.8	18348.2	17395.5	16260.2	15193.6	14097.4
32.5°	17929.9	18179.1	18142.4	17970.8	17501.9	16883.0	15951.3	14940.9	13779.4	12728.3	11662.0
35°	15268.9	15571.4	15587.0	15474.8	15039.5	14427.8	13507.8	12529.9	11417.3	10425.6	9440.5
37.5°	12402.0	12752.8	12824.7	12794.4	12433.7	11893.7	11055.5	10178.1	9192.6	8323.3	7480.8
40°	9519.3	9874.3	9997.4	10033.9	9767.7	9349.5	8661.5	7953.3	7149.9	6445.6	5776.6
42.5°	6890.4	7205.1	7324.0	7398.9	7232.7	6953.8	6451.9	5937.8	5349.1	4841.1	4354.0
45°	4785.5	5008.1	5098.6	5174.0	5083.4	4926.1	4609.2	4287.5	3899.0	3567.0	3252.8
47.5°	3345.8	3468.5	3528.3	3564.9	3529.8	3447.8	3275.3	3089.0	2869.6	2675.7	2489.1
50°	2479.9	2545.3	2576.6	2597.7	2572.1	2526.5	2433.2	2331.8	2211.3	2101.4	1994.0
52.5°	1965.3	2002.8	2021.3	2032.7	2018.1	1990.2	1935.9	1875.7	1803.5	1735.6	1699.9
55°	1655.7	1653.8	1696.6	1675.9	1696.6	1650.3	1640.6	1574.5	1514.5	1472.3	1426.6
57.5°	1365.4	1384.9	1393.1	1402.3	1396.4	1387.9	1364.8	1341.1	1309.5	1283.0	1254.8
60°	1181.9	1197.9	1207.0	1216.1	1215.5	1212.4	1199.0	1184.9	1165.1	1149.3	1132.2
62.5°	1055.5	1069.3	1078.3	1087.1	1087.9	1086.6	1076.5	1066.6	1053.2	1043.2	1031.5
65°	956.0	965.8	971.9	978.8	978.5	976.6	967.4	959.4	948.3	941.3	932.7
67.5°	852.0	859.4	864.1	870.7	872.0	872.4	867.3	863.5	858.1	856.1	853.2
70°	778.0	786.9	794.5	802.9	807.4	809.5	807.4	805.4	802.3	800.9	798.6
72.5°	722.0	729.6	735.5	743.0	747.3	750.3	748.6	747.6	744.8	744.4	742.8
75°	652.4	657.7	661.0	666.6	669.0	671.8	670.5	671.2	670.3	672.5	672.4
77.5°	568.8	572.6	574.2	578.4	578.8	582.2	582.9	586.9	589.9	596.1	599.4
80°	474.6	477.1	477.1	481.3	483.2	489.0	491.8	498.3	501.4	507.0	507.4
82.5°	368.7	365.9	368.7	367.0	372.3	378.9	379.7	385.3	386.5	390.2	387.4
85°	252.0	251.8	249.6	250.0	248.3	249.1	248.1	249.2	248.2	248.3	245.8
87.5°	120.8	121.9	119.2	120.1	117.5	118.8	116.4	118.3	115.5	115.9	112.0
90°	20.4	20.7	20.9	21.3	22.0	23.0	24.3	25.4	27.0	28.1	29.5
92.5°	19.8	20.6	21.3	21.9	22.6	24.6	26.6	28.8	30.9	32.8	34.8
95°	22.6	23.2	23.8	24.6	25.2	28.2	31.1	34.0	36.9	40.0	42.9
97.5°	25.7	26.1	26.4	26.8	27.3	30.8	34.3	37.7	41.2	44.7	48.0
100°	29.5	30.0	30.4	31.0	31.4	39.4	47.3	55.3	63.3	71.2	79.2
102.5°	46.9	49.7	52.6	55.5	58.3	77.7	97.1	116.3	135.5	154.9	174.2
105°	103.7	113.1	122.8	132.2	141.6	170.8	200.2	229.4	258.5	287.8	317.0
107.5°	206.9	223.5	240.2	256.8	273.3	300.9	328.3	355.8	383.3	410.9	438.1
110°	315.9	330.0	344.5	358.8	373.1	394.8	416.7	438.4	460.2	482.0	503.7



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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°	380.1	388.8	397.5	406.0	414.8	430.7	446.8	462.7	478.8	494.4	510.4
115°	398.2	402.5	407.2	411.7	416.3	425.9	435.4	445.0	454.6	464.0	473.6
117.5°	389.0	390.6	392.2	393.5	395.1	400.0	404.9	409.7	414.5	419.3	424.1
120°	364.0	363.7	363.5	363.1	362.9	364.2	365.8	367.1	368.5	369.7	370.9
122.5°	335.9	334.5	333.3	332.0	330.6	329.7	329.1	328.2	327.6	326.7	325.9
125°	309.5	308.0	306.7	305.3	303.8	302.2	300.6	298.9	297.2	295.4	293.7
127.5°	287.4	286.1	284.9	283.5	282.2	280.2	278.4	276.4	274.6	272.6	270.7
130°	269.6	268.6	267.7	266.4	265.6	263.7	262.0	260.2	258.4	256.7	255.0
132.5°	257.7	256.9	256.2	255.1	254.3	252.6	251.2	249.4	247.8	246.1	244.6
135°	248.9	248.3	248.0	247.2	246.5	245.0	243.8	242.4	241.2	239.8	238.5
137.5°	242.3	241.8	241.5	240.9	240.6	239.3	238.3	237.0	236.0	234.7	233.8
140°	238.6	238.3	238.0	237.6	237.1	235.9	234.9	233.6	232.5	231.3	230.2
142.5°	234.5	234.3	234.0	233.6	233.2	232.1	231.4	230.5	229.4	228.5	227.6
145°	232.0	231.8	231.8	231.4	231.3	230.2	229.2	228.0	227.3	226.2	225.3
147.5°	229.4	229.2	229.2	229.1	229.1	228.1	227.5	226.5	225.9	225.0	224.4
150°	227.8	227.8	227.7	227.5	227.4	226.6	226.0	225.1	224.5	223.6	223.0
152.5°	226.3	226.4	226.4	226.4	226.5	225.8	225.1	224.3	223.6	222.8	222.1
155°	225.4	225.5	225.6	225.6	225.6	225.0	224.4	223.7	223.1	222.4	221.8
157.5°	225.0	225.2	225.4	225.5	225.6	225.1	224.6	224.0	223.5	222.9	222.4
160°	225.3	225.6	225.8	225.9	226.1	225.7	225.4	224.8	224.5	223.9	223.3
162.5°	226.4	226.7	226.9	227.0	227.2	226.8	226.5	226.1	225.6	225.0	224.5
165°	227.0	227.0	227.3	227.3	227.4	227.1	226.9	226.6	226.3	226.0	225.7
167.5°	229.0	229.0	229.3	229.3	229.4	229.2	229.3	228.9	228.7	228.5	228.3
170°	230.3	230.4	230.4	230.5	230.6	230.4	230.2	230.0	230.0	229.4	229.2
172.5°	230.9	230.9	230.9	231.0	230.9	230.8	230.7	230.6	230.5	230.4	230.2
175°	231.1	231.1	231.1	231.1	231.0	231.0	231.0	231.0	230.9	230.9	230.8
177.5°	232.4	232.3	232.0	231.9	231.8	231.7	231.7	231.7	231.8	231.7	231.6
180°	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6



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CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8
2.5°	26751.2	26586.0	26564.1	26575.7	26603.4	26613.6	26643.4	26651.5	26681.5	26688.9	26717.7
5°	27303.1	27084.8	27095.7	27148.2	27227.7	27275.1	27353.2	27394.0	27468.6	27502.5	27570.0
7.5°	27885.2	27713.7	27767.2	27855.8	27964.4	28039.7	28133.5	28194.7	28275.6	28325.8	28390.5
10°	28171.0	28124.1	28182.9	28252.6	28314.6	28363.1	28402.9	28434.7	28455.6	28475.2	28483.7
12.5°	27953.5	28026.3	28036.3	28029.5	27988.4	27957.1	27886.6	27838.7	27753.8	27702.0	27600.8
15°	27147.3	27307.2	27218.7	27084.6	26888.4	26725.0	26494.0	26322.1	26081.5	25918.5	25677.1
17.5°	25732.4	25934.2	25703.6	25393.4	24998.8	24661.3	24240.9	23907.3	23489.4	23185.4	22795.4
20°	23740.6	23929.1	23517.7	23003.5	22393.1	21879.5	21273.8	20790.4	20227.6	19808.9	19303.6
22.5°	21260.5	21394.8	20815.2	20122.0	19344.4	18702.7	17978.5	17399.1	16756.7	16278.0	15739.2
25°	18516.8	18553.1	17857.7	17059.2	16192.4	15471.3	14698.1	14088.9	13433.7	12948.6	12419.8
27.5°	15747.5	15694.4	14942.8	14096.0	13184.4	12434.8	11680.7	11109.8	10536.0	10099.0	9643.4
30°	13133.6	13005.0	12224.6	11354.3	10469.4	9797.5	9171.4	8713.0	8256.5	7909.9	7544.2
32.5°	10736.8	10555.1	9795.6	8980.2	8234.5	7716.0	7251.8	6904.9	6536.3	6243.5	5936.6
35°	8613.7	8420.2	7747.3	7056.0	6491.7	6109.5	5744.6	5460.0	5147.0	4900.0	4633.4
37.5°	6791.7	6633.1	6069.4	5525.5	5098.6	4802.4	4503.5	4270.9	4012.2	3903.5	3618.7
40°	5243.2	5132.3	4691.5	4290.6	3970.0	3830.9	3527.5	3310.1	3116.9	2957.5	2803.1
42.5°	4089.8	4050.5	3621.6	3308.9	3083.1	2907.8	2738.7	2601.4	2467.8	2357.9	2254.1
45°	3001.3	2970.2	2779.8	2599.3	2445.5	2322.9	2208.6	2114.2	2026.9	1954.4	1888.5
47.5°	2337.0	2327.2	2217.5	2105.6	2008.6	1929.9	1855.8	1793.1	1735.1	1686.7	1671.0
50°	1900.9	1899.5	1835.2	1766.2	1697.1	1651.6	1604.3	1567.2	1529.9	1501.0	1470.3
52.5°	1615.1	1608.1	1564.7	1522.0	1481.0	1451.1	1420.9	1397.3	1372.5	1354.7	1335.6
55°	1390.4	1397.8	1372.6	1347.2	1321.6	1303.0	1281.7	1266.1	1249.2	1237.9	1226.4
57.5°	1234.4	1244.1	1231.0	1216.5	1200.9	1188.7	1174.1	1163.3	1152.0	1144.7	1138.1
60°	1120.9	1131.5	1126.1	1118.9	1109.3	1102.0	1092.6	1086.7	1079.4	1075.4	1071.7
62.5°	1024.5	1037.9	1035.9	1032.5	1026.4	1022.3	1017.2	1014.5	1009.7	1008.0	1006.2
65°	928.5	943.4	943.1	941.4	938.0	936.9	933.6	933.1	930.6	931.6	931.4
67.5°	852.9	865.8	868.7	870.8	870.7	871.5	871.2	872.5	872.5	874.3	875.5
70°	798.3	807.4	809.5	811.7	812.3	814.1	814.1	815.2	814.9	816.5	816.6
72.5°	743.2	755.1	757.3	759.1	759.1	760.7	759.9	759.6	757.2	756.6	755.0
75°	674.6	689.9	693.2	695.4	695.7	697.1	695.1	693.8	689.9	688.2	685.5
77.5°	603.0	618.8	621.1	621.9	620.6	620.9	616.6	613.7	608.7	606.6	604.0
80°	509.7	533.1	534.9	533.5	529.8	529.2	525.0	522.3	516.2	514.2	511.9
82.5°	387.9	415.2	419.0	420.7	417.7	418.4	414.4	412.9	407.3	406.3	402.7
85°	244.9	272.2	276.8	276.1	273.1	272.4	270.0	270.8	270.3	271.8	272.6
87.5°	112.5	138.9	145.3	143.3	143.0	141.2	136.9	138.4	141.1	142.7	142.8
90°	30.7	40.0	41.0	40.7	37.7	37.0	34.3	34.2	31.9	31.6	29.4
92.5°	36.9	38.9	41.0	39.1	37.3	35.5	33.7	31.8	30.1	28.2	26.4
95°	45.8	48.5	51.5	49.0	46.5	44.1	41.7	39.4	36.9	34.5	32.1
97.5°	51.5	54.8	58.1	55.7	53.3	50.8	48.3	46.0	43.6	41.1	38.6
100°	87.2	94.7	102.6	95.8	88.8	81.9	75.1	68.3	61.4	54.6	47.6
102.5°	193.3	212.4	231.6	214.1	196.8	179.3	161.9	144.6	127.2	109.7	92.4
105°	346.1	374.9	404.0	377.3	350.7	324.2	297.7	271.2	244.7	218.0	191.6
107.5°	465.6	492.4	519.5	495.4	471.4	447.4	423.3	399.3	375.2	351.1	327.2
110°	525.4	546.2	567.7	551.3	535.2	518.9	502.8	486.4	470.3	454.3	438.1



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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°	526.2	540.9	556.5	546.7	537.1	527.5	517.9	508.2	498.7	489.3	479.9
115°	482.9	491.0	500.1	496.0	492.1	488.1	484.0	480.2	476.1	472.2	468.5
117.5°	428.7	431.9	436.1	435.0	434.0	432.9	431.9	430.9	430.0	429.1	428.2
120°	372.2	371.7	372.4	372.3	372.5	372.5	372.7	372.7	372.9	373.0	373.3
122.5°	325.0	322.2	320.7	320.6	320.7	320.5	320.6	320.5	320.6	320.7	320.9
125°	291.9	288.0	285.5	284.4	283.3	282.1	280.9	279.7	278.8	277.7	276.7
127.5°	268.7	264.5	261.8	259.8	257.9	255.7	253.7	251.5	249.7	247.5	245.7
130°	253.3	248.9	246.5	244.0	241.8	239.1	236.8	234.4	232.0	229.5	227.1
132.5°	243.0	238.5	236.3	234.0	231.8	229.3	227.1	224.5	222.2	219.8	217.5
135°	237.1	233.0	231.1	228.7	226.8	224.5	222.3	220.2	218.0	215.6	213.7
137.5°	232.5	228.3	226.5	224.6	223.1	221.2	219.5	217.5	215.7	213.7	212.1
140°	228.8	224.6	222.8	221.7	220.6	219.3	218.1	216.9	215.7	214.5	213.2
142.5°	226.6	222.4	220.8	220.0	219.3	218.2	217.6	216.7	216.0	214.8	214.0
145°	224.3	219.6	217.8	217.4	217.3	216.9	216.6	216.2	215.9	215.4	215.1
147.5°	223.4	218.5	216.7	216.6	216.5	216.4	216.4	216.1	216.1	215.9	215.8
150°	222.0	216.5	214.5	214.6	214.6	214.7	214.8	214.9	215.1	215.1	215.2
152.5°	221.2	214.6	212.3	212.4	212.7	212.7	213.0	213.2	213.5	213.7	213.9
155°	220.9	213.7	211.2	211.1	211.1	211.3	211.3	211.5	211.6	211.8	212.0
157.5°	221.6	214.0	211.6	211.4	211.3	211.3	211.3	211.3	211.4	211.5	211.7
160°	222.8	215.1	212.7	212.4	212.4	212.3	212.2	212.1	212.2	212.3	212.4
162.5°	223.9	216.4	214.1	213.8	213.5	213.5	213.5	213.2	213.3	213.3	213.4
165°	225.2	218.7	216.4	216.1	216.1	215.9	215.9	215.8	216.0	216.0	216.2
167.5°	227.8	222.0	220.3	220.0	219.7	219.4	219.4	219.0	219.0	218.8	218.8
170°	228.9	224.3	222.8	222.7	222.8	222.6	222.5	222.5	222.5	222.3	222.4
172.5°	230.0	226.5	225.4	225.4	225.6	225.6	225.8	225.8	226.0	226.1	226.3
175°	230.7	228.6	228.1	228.0	228.0	228.1	228.2	228.2	228.3	228.4	228.6
177.5°	231.7	231.1	230.8	230.8	230.8	230.8	230.8	230.8	230.8	230.9	230.9
180°	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8
2.5°	26723.1	26754.2	26751.9	26781.0	26779.5	26806.9	26801.4	26825.1	26819.7	26839.9	26828.0
5°	27599.7	27658.9	27678.5	27732.0	27743.1	27790.9	27791.9	27829.9	27825.3	27855.1	27839.2
7.5°	28428.9	28484.2	28510.4	28552.0	28572.8	28607.2	28620.6	28648.9	28655.7	28672.3	28671.8
10°	28498.8	28498.6	28511.6	28505.8	28517.4	28510.7	28524.8	28519.8	28540.7	28535.3	28551.1
12.5°	27557.2	27463.8	27429.7	27345.7	27327.4	27255.3	27260.5	27214.2	27236.5	27208.2	27256.5
15°	25533.6	25316.7	25209.6	25021.1	24962.0	24813.0	24800.9	24701.9	24728.7	24676.9	24752.6
17.5°	22543.1	22201.7	22014.5	21739.2	21629.9	21419.3	21377.0	21249.6	21269.3	21205.1	21296.6
20°	18977.6	18565.1	18328.9	18010.5	17868.6	17617.4	17550.7	17408.3	17426.1	17362.3	17465.7
22.5°	15371.4	14939.8	14673.0	14339.4	14158.1	13921.9	13850.9	13707.8	13715.9	13656.0	13755.5
25°	12057.6	11643.7	11384.7	11081.7	10924.3	10707.8	10633.2	10504.8	10512.1	10462.6	10551.8
27.5°	9327.4	8987.8	8771.1	8517.2	8376.1	8198.0	8125.4	8017.3	8017.0	7980.8	8055.4
30°	7288.8	7005.4	6811.0	6589.8	6457.3	6296.6	6226.4	6129.8	6125.5	6099.8	6159.0
32.5°	5707.0	5455.0	5277.6	5082.8	4964.0	4826.0	4759.7	4682.0	4674.8	4651.6	4700.2
35°	4436.5	4224.2	4071.6	3907.8	3919.9	3716.4	3750.3	3592.2	3549.4	3540.0	3576.2
37.5°	3428.9	3264.4	3140.5	3017.8	2934.7	2848.7	2802.4	2760.8	2756.1	2752.0	2777.5
40°	2683.8	2568.8	2478.7	2394.5	2337.2	2284.8	2255.8	2233.0	2227.6	2224.5	2239.9
42.5°	2172.2	2094.6	2036.5	1985.1	1950.3	1921.7	1905.9	1893.2	1888.9	1889.0	1898.1
45°	1835.2	1788.1	1750.7	1718.7	1696.5	1706.3	1677.6	1692.6	1672.7	1693.3	1679.8
47.5°	1616.1	1576.1	1552.9	1530.2	1516.8	1506.0	1506.4	1506.6	1510.8	1511.5	1515.9
50°	1447.1	1423.9	1407.9	1393.4	1386.4	1380.7	1382.6	1384.1	1388.3	1388.6	1391.8
52.5°	1322.0	1306.8	1297.1	1288.1	1285.0	1281.7	1283.1	1282.5	1284.4	1283.4	1286.1
55°	1220.2	1213.0	1210.0	1206.7	1207.2	1206.3	1206.9	1203.6	1201.6	1199.2	1201.4
57.5°	1136.7	1135.7	1137.7	1139.2	1143.0	1144.4	1145.2	1141.5	1138.0	1134.7	1136.6
60°	1072.4	1073.9	1079.0	1083.2	1088.6	1091.2	1092.7	1090.6	1088.0	1085.4	1087.0
62.5°	1008.8	1011.3	1017.4	1022.0	1028.7	1032.1	1035.9	1036.1	1037.2	1036.1	1037.3
65°	935.1	938.2	943.7	947.6	953.7	956.7	960.7	961.4	963.6	963.1	964.9
67.5°	879.1	881.9	886.5	890.1	895.7	898.8	902.2	902.4	903.3	903.1	904.8
70°	819.4	820.7	824.9	827.9	833.4	836.7	840.6	841.8	844.2	844.6	846.7
72.5°	755.7	755.1	757.6	759.0	763.1	765.6	770.7	773.4	777.5	778.6	780.1
75°	686.3	685.7	688.6	689.9	693.4	695.9	701.6	705.2	711.5	714.3	713.6
77.5°	606.0	607.4	612.9	616.0	620.6	624.0	631.2	637.0	648.7	653.8	648.6
80°	516.2	517.7	523.4	526.2	532.4	536.4	544.6	551.3	561.8	564.0	561.1
82.5°	405.8	406.2	411.4	413.5	421.6	427.4	437.7	443.2	449.6	448.6	447.8
85°	276.8	280.5	286.9	293.2	303.1	312.5	322.3	330.2	324.6	333.6	323.5
87.5°	147.9	147.5	156.2	154.8	168.5	176.5	184.9	189.0	193.5	192.6	192.7
90°	29.5	27.7	28.3	26.4	27.6	25.5	27.4	25.6	27.9	25.5	29.5
92.5°	24.5	23.6	22.6	21.7	20.6	19.8	18.7	17.7	16.7	15.7	16.7
95°	29.7	28.8	27.8	26.8	25.9	25.1	24.2	23.3	22.4	21.5	22.6
97.5°	36.2	35.7	35.2	34.6	34.1	33.6	33.1	32.5	31.9	31.4	32.1
100°	40.8	40.8	40.8	40.8	40.6	40.6	40.6	40.6	40.6	40.6	41.2
102.5°	75.0	73.3	71.5	69.7	68.0	66.2	64.5	62.8	61.0	59.3	61.9
105°	165.1	158.3	151.5	144.6	137.7	131.0	124.2	117.3	110.6	103.8	110.8
107.5°	303.3	290.9	278.4	266.1	253.7	241.3	228.9	216.6	204.2	191.9	203.0
110°	422.0	408.7	395.5	382.4	369.2	356.1	343.0	329.8	316.7	303.6	314.1



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	470.4	461.6	453.1	444.6	436.0	427.6	419.0	410.6	402.2	393.7	398.9
115°	464.5	460.4	456.3	452.1	448.2	444.0	439.9	435.9	432.0	427.9	428.2
117.5°	427.4	425.8	424.4	422.9	421.4	420.0	418.6	417.3	416.0	414.8	412.0
120°	373.7	373.8	373.9	374.3	374.6	375.0	375.2	375.9	376.4	376.9	373.0
122.5°	321.0	321.6	322.3	323.2	324.0	324.9	325.8	327.0	328.1	329.2	325.4
125°	275.6	276.2	276.8	277.7	278.3	279.3	280.2	281.4	282.4	283.6	280.4
127.5°	243.8	243.7	243.6	243.8	243.8	244.1	244.4	244.9	245.4	246.0	244.0
130°	224.7	223.9	223.2	222.5	221.8	221.4	221.1	220.7	220.5	220.4	219.6
132.5°	215.1	213.8	212.5	211.4	210.3	209.4	208.4	207.8	207.0	206.5	206.3
135°	211.4	209.8	208.2	206.6	205.1	204.1	202.9	202.0	201.0	200.2	200.5
137.5°	210.2	208.7	207.0	205.6	204.1	203.0	201.7	200.7	199.8	199.0	199.5
140°	212.1	210.5	208.9	207.5	206.1	204.9	203.7	202.8	201.7	201.1	201.4
142.5°	213.1	211.9	210.4	209.1	207.9	206.8	205.8	204.9	203.9	203.4	203.7
145°	214.7	213.7	212.6	211.6	210.7	210.1	209.1	208.6	208.0	207.7	207.9
147.5°	215.5	214.9	213.9	213.3	212.4	212.0	211.3	211.0	210.5	210.3	210.4
150°	215.2	214.8	214.2	213.8	213.3	213.0	212.6	212.4	212.1	212.0	212.0
152.5°	214.1	213.8	213.3	213.0	212.6	212.4	212.1	212.0	211.8	211.7	211.7
155°	212.2	212.0	211.9	211.7	211.6	211.7	211.6	211.7	211.7	211.8	211.9
157.5°	211.8	211.8	211.8	212.0	212.0	212.2	212.2	212.5	212.6	212.9	213.1
160°	212.7	212.8	212.6	212.8	212.8	212.9	213.0	213.2	213.3	213.5	213.8
162.5°	213.5	213.8	213.9	214.0	214.3	214.5	214.8	215.2	215.4	215.8	216.1
165°	216.3	216.3	216.2	216.3	216.5	216.6	216.7	217.1	217.2	217.5	217.9
167.5°	218.7	218.9	218.9	219.0	219.2	219.5	219.7	220.0	220.3	220.8	221.1
170°	222.3	222.3	222.3	222.3	222.3	222.5	222.6	222.7	222.8	223.1	223.3
172.5°	226.3	226.3	226.1	226.3	226.1	226.3	226.3	226.4	226.4	226.5	226.6
175°	228.5	228.8	228.9	229.0	229.0	229.1	229.2	229.2	229.3	229.5	229.5
177.5°	230.9	231.0	231.0	231.0	231.0	231.1	231.1	231.1	231.1	231.0	231.1
180°	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6



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CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8
2.5°	26847.8	26834.4	26848.1	26834.2	26848.1	26831.3	26842.6	26824.6	26829.2	26810.4	26815.3
5°	27862.9	27841.5	27852.9	27825.1	27828.0	27790.9	27790.2	27747.0	27735.6	27686.4	27664.7
7.5°	28683.8	28676.8	28680.7	28662.9	28660.7	28635.4	28623.3	28587.6	28565.1	28519.8	28488.8
10°	28553.9	28574.8	28580.2	28601.5	28606.0	28627.0	28631.5	28652.7	28657.0	28672.7	28672.9
12.5°	27254.2	27325.2	27342.3	27430.1	27467.0	27567.4	27621.3	27732.0	27797.6	27908.0	27975.8
15°	24750.5	24873.5	24922.5	25093.8	25188.7	25388.8	25514.5	25744.2	25906.4	26150.4	26324.4
17.5°	21304.6	21476.4	21554.0	21786.3	21938.0	22233.3	22446.1	22796.4	23064.6	23454.0	23762.6
20°	17483.3	17674.4	17779.6	18044.7	18223.6	18568.6	18834.4	19264.9	19623.9	20117.2	20539.1
22.5°	13786.6	13968.3	14085.1	14354.9	14556.3	14916.2	15213.2	15667.7	16069.8	16625.8	17131.5
25°	10585.5	10752.0	10857.6	11101.6	11290.8	11621.5	11905.1	12342.1	12735.7	13293.3	13812.0
27.5°	8092.5	8231.9	8333.7	8541.8	8708.7	8989.1	9232.8	9593.9	9933.0	10415.4	10877.3
30°	6195.5	6319.1	6418.1	6599.4	6754.0	6997.2	7211.4	7514.7	7795.4	8179.3	8546.7
32.5°	4734.4	4840.8	4929.1	5087.7	5228.0	5447.0	5640.0	5905.9	6146.7	6472.3	6774.6
35°	3609.8	3819.2	3804.3	4023.1	4058.3	4215.4	4387.6	4620.1	4833.4	5110.3	5367.6
37.5°	2801.8	2860.6	2923.8	3020.4	3122.0	3265.0	3410.5	3694.6	3798.8	4007.9	4220.9
40°	2259.4	2299.1	2340.8	2406.2	2477.3	2578.0	2683.9	2819.4	2958.4	3128.0	3301.2
42.5°	1910.1	1932.6	1959.2	1997.5	2041.4	2105.3	2176.1	2268.0	2364.6	2484.0	2605.8
45°	1706.5	1695.8	1703.7	1724.4	1750.8	1789.6	1834.4	1891.3	1954.1	2031.4	2113.9
47.5°	1516.8	1521.2	1523.5	1534.7	1548.8	1574.8	1602.0	1640.6	1715.2	1737.9	1782.8
50°	1391.5	1393.5	1392.9	1398.6	1405.7	1422.7	1440.2	1466.4	1492.5	1527.1	1560.1
52.5°	1286.5	1289.4	1289.0	1292.7	1296.6	1307.3	1318.4	1336.9	1354.0	1376.0	1394.9
55°	1203.5	1207.6	1209.1	1212.3	1214.1	1219.8	1224.1	1233.0	1240.3	1252.8	1264.3
57.5°	1139.8	1145.2	1147.8	1148.8	1146.6	1146.3	1144.8	1146.7	1148.2	1154.9	1161.4
60°	1089.5	1094.0	1094.7	1094.0	1089.8	1086.9	1082.2	1080.6	1079.9	1083.2	1086.7
62.5°	1036.9	1038.6	1037.5	1036.1	1031.5	1028.6	1023.7	1021.9	1020.2	1022.5	1024.3
65°	964.2	965.6	964.2	963.5	959.3	956.9	952.8	951.5	949.1	949.7	949.3
67.5°	905.2	906.6	905.5	904.4	901.4	900.0	897.0	895.1	892.2	891.1	889.1
70°	846.3	847.4	845.7	844.6	841.3	840.0	837.2	836.6	834.3	833.8	831.6
72.5°	778.6	778.7	776.3	775.6	773.2	773.1	771.9	773.0	772.9	774.1	773.6
75°	709.3	708.3	705.4	704.9	703.1	703.9	702.7	704.3	704.5	707.1	707.3
77.5°	639.9	636.3	630.7	628.0	624.3	623.9	621.6	623.2	622.7	625.6	626.8
80°	552.3	547.9	540.7	537.3	532.9	532.1	530.1	532.1	531.1	534.6	537.1
82.5°	440.9	437.1	429.6	426.9	421.8	422.3	420.1	422.3	422.0	427.1	430.0
85°	326.2	323.6	315.9	309.2	301.6	297.2	292.8	292.1	290.8	292.8	294.6
87.5°	188.4	186.1	180.0	176.1	162.9	163.5	158.2	157.9	156.6	155.5	158.2
90°	28.4	31.7	30.8	33.7	33.3	36.7	36.5	39.9	39.0	42.2	42.0
92.5°	17.7	18.7	19.7	20.6	21.6	22.6	23.5	24.5	26.6	28.6	30.9
95°	23.7	24.9	26.0	27.1	28.3	29.5	30.6	31.7	34.8	37.8	41.0
97.5°	33.0	33.6	34.4	35.1	35.9	36.6	37.4	38.1	41.6	44.9	48.2
100°	41.8	42.4	43.0	43.6	44.2	44.8	45.4	46.0	52.6	59.0	65.4
102.5°	64.5	67.0	69.5	72.1	74.8	77.3	79.9	82.4	97.3	111.9	126.6
105°	117.9	124.8	132.0	138.9	146.0	153.0	160.1	167.1	190.7	214.2	237.8
107.5°	214.0	225.1	236.2	247.3	258.4	269.6	280.6	291.8	314.8	337.9	360.8
110°	324.7	335.3	345.9	356.5	367.1	377.7	388.4	399.1	413.0	426.8	440.7



TEST NUMBER: P1444384
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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°	404.1	409.1	414.4	419.6	424.9	430.1	435.4	440.7	447.8	454.7	461.8
115°	428.6	428.9	429.4	429.6	430.1	430.5	431.2	431.8	434.2	436.5	439.0
117.5°	409.1	406.4	403.7	401.0	398.3	395.8	393.2	390.8	390.6	390.4	390.3
120°	369.5	365.8	362.1	358.3	354.9	351.3	347.9	344.6	343.1	341.5	340.1
122.5°	321.8	318.1	314.6	311.0	307.5	304.2	301.0	297.8	296.7	295.9	295.1
125°	277.4	274.4	271.5	268.5	265.9	263.2	260.7	258.2	258.6	258.9	259.5
127.5°	242.3	240.5	238.9	237.3	235.9	234.5	233.3	232.0	233.4	234.7	236.1
130°	219.0	218.3	217.9	217.4	217.2	216.9	216.8	216.6	218.7	220.6	222.7
132.5°	206.5	206.6	206.8	207.1	207.7	208.2	208.9	209.3	211.6	213.7	216.0
135°	200.8	201.3	202.1	202.7	203.7	204.4	205.4	206.3	208.7	210.7	212.9
137.5°	200.2	200.8	201.6	202.4	203.5	204.4	205.7	206.7	208.5	210.3	212.1
140°	202.0	202.5	203.3	204.1	204.9	205.7	206.8	207.8	209.5	210.8	212.2
142.5°	204.4	204.6	205.4	206.1	207.0	207.8	208.8	209.4	210.7	211.7	213.2
145°	208.3	208.7	209.4	209.8	210.4	211.1	211.8	212.5	213.4	214.2	215.0
147.5°	210.8	211.1	211.6	212.1	212.7	213.2	213.7	214.1	214.9	215.5	216.1
150°	212.3	212.6	212.9	213.0	213.5	214.0	214.5	214.8	215.4	215.9	216.5
152.5°	212.0	212.2	212.5	212.7	213.1	213.5	213.8	214.2	214.8	215.1	215.6
155°	212.2	212.6	213.0	213.3	213.8	214.0	214.5	214.7	215.2	215.6	216.1
157.5°	213.5	213.7	214.2	214.4	214.9	215.1	215.5	215.8	216.3	216.6	217.0
160°	214.3	214.7	215.1	215.6	216.0	216.3	216.8	217.3	217.7	218.0	218.4
162.5°	216.5	216.9	217.3	217.6	217.9	218.3	218.7	219.1	219.7	220.0	220.5
165°	218.4	218.8	219.4	219.7	220.2	220.6	221.0	221.5	221.8	222.2	222.5
167.5°	221.5	221.8	222.4	222.7	223.1	223.5	223.9	224.3	224.7	224.9	225.3
170°	223.7	224.0	224.4	224.8	225.2	225.4	225.8	226.1	226.6	226.9	227.3
172.5°	226.9	227.1	227.4	227.6	227.9	228.2	228.5	228.7	229.1	229.4	229.6
175°	229.5	229.5	229.6	229.7	229.9	229.9	230.0	230.2	230.3	230.4	230.5
177.5°	231.2	231.2	231.3	231.4	231.5	231.5	231.6	231.7	231.7	231.7	231.7
180°	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6



TEST NUMBER: P1444384
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CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8
2.5°	26796.5	26797.6	26776.0	26774.8	26754.6	26752.0	26732.3	26726.3	26710.3	26704.5	26688.2
5°	27609.5	27583.1	27522.3	27486.6	27426.4	27386.6	27321.5	27279.1	27216.3	27168.9	27105.8
7.5°	28431.7	28390.8	28322.5	28267.2	28183.8	28117.2	28019.5	27939.6	27833.9	27742.4	27631.3
10°	28672.9	28666.6	28649.1	28623.8	28585.0	28541.4	28475.0	28405.7	28313.0	28212.3	28088.9
12.5°	28079.6	28143.6	28230.9	28282.8	28345.7	28373.4	28399.2	28392.7	28375.7	28324.7	28253.4
15°	26576.5	26756.5	26994.9	27179.6	27392.2	27546.7	27717.3	27823.6	27929.6	27978.6	28008.5
17.5°	24185.4	24526.4	24953.8	25308.0	25716.8	26045.1	26405.0	26675.9	26954.5	27154.1	27334.6
20°	21114.1	21608.0	22212.6	22746.8	23367.8	23907.5	24498.9	24984.5	25485.1	25876.7	26247.2
22.5°	17782.9	18369.5	19100.4	19777.5	20578.2	21297.7	22109.5	22816.0	23553.8	24170.1	24766.0
25°	14507.1	15150.4	15949.7	16705.1	17611.8	18448.8	19411.5	20292.1	21245.7	22073.5	22891.3
27.5°	11515.8	12147.5	12963.4	13767.5	14726.4	15618.2	16649.7	17620.0	18705.6	19706.9	20731.0
30°	9057.3	9593.0	10324.6	11103.5	12049.2	12956.7	13999.5	14997.3	16126.7	17219.9	18373.5
32.5°	7175.8	7583.9	8159.2	8817.8	9690.3	10554.1	11547.1	12510.4	13622.6	14726.9	15926.7
35°	5698.9	6017.2	6455.8	6969.8	7708.7	8453.4	9331.6	10207.5	11245.2	12293.1	13459.3
37.5°	4493.9	4752.2	5095.7	5481.7	6074.4	6685.5	7405.7	8131.9	9033.6	9962.4	11019.3
40°	3509.2	3718.4	3985.8	4273.7	4721.2	5192.1	5749.1	6312.2	7036.6	7795.7	8670.4
42.5°	2756.8	2911.1	3100.0	3310.3	3728.0	3977.9	4355.6	4762.9	5295.4	5846.5	6504.1
45°	2213.9	2319.2	2450.2	2591.3	2785.1	2997.1	3255.8	3527.1	4033.0	4281.1	4681.1
47.5°	1848.9	1919.5	2002.9	2091.8	2206.1	2329.4	2482.8	2639.6	2842.5	3052.7	3299.1
50°	1603.0	1674.8	1703.4	1749.5	1815.7	1886.1	1972.6	2059.1	2167.8	2278.1	2405.0
52.5°	1420.5	1443.9	1475.1	1504.3	1545.3	1625.5	1651.4	1696.6	1757.7	1817.3	1883.9
55°	1281.1	1296.4	1316.6	1334.3	1359.1	1382.7	1416.9	1447.0	1487.8	1523.7	1567.9
57.5°	1172.7	1182.3	1196.5	1208.1	1224.0	1237.4	1257.5	1273.8	1297.2	1317.6	1344.4
60°	1093.9	1100.3	1109.8	1117.4	1127.6	1134.5	1144.5	1152.2	1164.5	1174.8	1189.8
62.5°	1029.5	1032.8	1039.0	1043.4	1050.0	1053.5	1058.7	1062.1	1068.9	1074.1	1082.5
65°	952.3	953.0	957.1	959.1	964.1	966.0	970.4	971.9	977.5	981.4	988.7
67.5°	888.9	887.2	887.3	885.8	886.5	885.0	885.4	883.9	886.1	887.3	892.9
70°	831.2	828.7	827.9	825.3	824.5	821.7	820.9	818.5	818.2	817.4	819.4
72.5°	774.9	774.2	774.4	772.5	772.3	770.5	770.6	769.4	770.7	771.3	773.8
75°	710.1	710.3	711.5	709.9	710.4	708.8	709.4	707.9	708.7	708.4	710.9
77.5°	631.3	633.1	636.6	635.9	637.0	635.3	636.0	634.0	634.6	633.1	634.2
80°	542.6	546.6	551.2	551.0	552.9	551.7	553.4	551.5	552.3	549.9	549.3
82.5°	437.4	440.7	445.7	445.9	450.2	450.9	455.8	455.6	458.6	456.7	455.3
85°	299.1	301.3	305.6	307.9	312.4	315.1	319.8	321.7	318.3	324.4	319.6
87.5°	156.2	161.9	158.7	166.3	164.5	172.1	170.5	177.6	176.2	182.3	181.5
90°	46.2	46.4	50.9	51.3	56.7	57.8	61.3	59.9	63.2	62.0	65.3
92.5°	32.8	35.1	37.2	39.4	41.5	43.7	41.7	39.7	37.7	35.8	33.8
95°	44.0	47.1	50.1	53.3	56.3	59.4	56.1	52.9	49.5	46.2	43.0
97.5°	51.6	54.8	58.1	61.4	64.9	68.2	64.3	60.3	56.4	52.6	48.7
100°	71.8	78.3	84.8	91.1	97.6	103.9	96.8	89.4	82.2	74.9	67.6
102.5°	141.5	156.2	170.9	185.8	200.4	215.2	199.8	184.4	169.0	153.6	138.0
105°	261.4	285.0	308.7	332.2	355.8	379.6	354.6	329.5	304.4	279.5	254.4
107.5°	383.9	406.9	430.1	453.0	476.1	499.4	474.0	448.6	423.4	397.8	372.5
110°	454.8	468.6	482.6	496.5	510.5	524.6	506.1	487.8	469.3	450.8	432.3



TEST NUMBER: P1444384
 CATALOG NUMBER: EHBR1-30-UNV-TA-L840-UPL12

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	468.9	476.1	483.1	490.5	497.5	504.7	491.6	478.6	465.4	452.2	439.1
115°	441.5	444.0	446.5	449.0	451.4	453.9	445.3	436.5	427.8	419.1	410.2
117.5°	390.2	390.4	390.2	390.4	390.2	390.2	385.3	380.7	375.9	371.1	366.3
120°	338.6	337.2	335.8	334.4	332.9	331.4	329.6	327.8	325.9	324.1	322.1
122.5°	294.2	293.6	292.6	291.8	290.9	290.0	289.6	289.2	288.6	288.1	287.5
125°	259.9	260.4	260.8	261.2	261.6	262.0	261.9	261.9	261.8	261.8	261.6
127.5°	237.4	238.8	240.0	241.4	242.6	243.9	244.1	244.4	244.7	245.0	245.2
130°	224.6	226.6	228.5	230.4	232.2	234.2	234.2	234.5	234.6	234.8	235.0
132.5°	218.1	220.3	222.4	224.7	226.6	228.6	228.7	229.0	228.9	229.2	229.2
135°	214.9	217.0	219.0	221.1	222.9	224.9	224.9	225.0	224.9	225.1	225.1
137.5°	213.7	215.4	217.0	218.8	220.3	222.0	221.8	222.0	221.9	222.1	222.1
140°	213.6	215.0	216.3	217.8	219.0	220.4	220.3	220.2	220.1	220.0	219.7
142.5°	214.2	215.3	216.2	217.5	218.4	219.7	219.2	218.9	218.4	218.1	217.7
145°	215.8	216.8	217.5	218.3	219.0	219.9	219.2	218.8	218.1	217.7	217.1
147.5°	216.7	217.4	217.8	218.3	218.7	219.4	218.8	218.2	217.7	217.1	216.5
150°	216.8	217.5	217.9	218.3	218.8	219.4	218.7	218.0	217.3	216.7	216.1
152.5°	216.1	216.6	217.0	217.3	217.7	218.1	217.4	217.0	216.2	215.5	214.9
155°	216.3	216.8	217.0	217.4	217.5	217.8	217.1	216.8	216.2	215.6	215.0
157.5°	217.3	217.7	218.0	218.2	218.4	218.8	218.2	217.8	217.3	217.0	216.4
160°	218.8	219.1	219.4	219.6	219.9	219.9	219.5	219.4	219.0	218.5	218.0
162.5°	220.8	221.3	221.6	221.8	222.1	222.4	222.0	221.7	221.2	220.8	220.3
165°	222.8	223.1	223.4	223.7	223.8	224.0	223.7	223.5	223.2	223.0	222.6
167.5°	225.5	225.9	226.1	226.4	226.5	226.7	226.4	226.3	225.9	225.6	225.3
170°	227.5	227.8	228.2	228.4	228.6	228.8	228.7	228.5	228.2	228.0	227.7
172.5°	229.9	230.2	230.3	230.5	230.6	230.9	230.7	230.4	230.2	229.9	229.5
175°	230.5	230.6	230.8	230.8	230.8	230.9	230.7	230.5	230.2	230.0	229.7
177.5°	231.7	231.7	231.7	231.6	231.6	231.6	231.5	231.3	231.2	231.0	230.8
180°	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6



TEST NUMBER: P1444384
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CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8	26515.8
2.5°	26682.4	26670.8	26663.3	26653.8	26648.0	26640.6	26635.2	26630.6	26626.9	26623.5	26620.9
5°	27057.5	26997.9	26951.7	26901.6	26860.4	26819.3	26787.6	26761.4	26743.3	26729.7	26721.8
7.5°	27535.3	27426.1	27329.0	27226.9	27135.2	27045.1	26967.4	26900.5	26850.3	26817.8	26798.0
10°	27961.9	27815.7	27671.2	27519.1	27374.8	27234.8	27105.8	26992.2	26902.3	26842.5	26807.6
12.5°	28153.1	28028.6	27881.0	27715.8	27539.0	27360.1	27185.8	27028.6	26896.6	26808.1	26757.0
15°	27984.7	27933.6	27833.5	27705.2	27537.4	27352.5	27147.9	26955.4	26778.4	26663.6	26597.1
17.5°	27436.8	27508.2	27500.5	27451.5	27330.9	27175.2	26966.6	26750.5	26529.1	26375.7	26291.9
20°	26512.3	26736.6	26850.3	26908.7	26861.4	26760.4	26571.5	26352.3	26094.2	25893.9	25771.6
22.5°	25213.1	25609.0	25855.7	26036.2	26074.6	26040.2	25873.4	25664.8	25377.2	25136.4	24955.9
25°	23540.5	24120.5	24510.5	24816.3	24934.9	24965.6	24823.7	24616.3	24295.6	24015.1	23767.2
27.5°	21570.4	22324.2	22844.9	23255.6	23441.0	23521.4	23390.8	23179.2	22799.8	22465.0	22141.1
30°	19352.6	20246.8	20873.7	21366.3	21592.3	21698.4	21559.7	21323.5	20882.1	20479.2	20071.1
32.5°	16978.7	17957.3	18640.4	19175.3	19399.2	19499.2	19317.7	19052.3	18542.1	18067.5	17591.6
35°	14493.4	15481.1	16169.9	16690.6	16878.4	16938.6	16706.4	16399.7	15834.4	15313.5	14794.7
37.5°	11957.4	12876.4	13502.4	13969.7	14085.8	14096.2	13816.5	13477.8	12883.7	12370.0	11853.5
40°	9443.3	10218.3	10723.9	11097.8	11138.1	11102.1	10798.1	10457.2	9901.4	9441.2	8987.8
42.5°	7075.2	7660.2	8020.8	8277.1	8261.9	8190.9	7912.1	7619.1	7160.5	6809.9	6453.2
45°	5046.4	5432.2	5643.0	5793.0	5744.8	5677.1	5460.1	5254.8	4943.1	4716.7	4476.9
47.5°	3505.8	3966.4	3886.3	4179.5	3926.8	4093.7	3746.2	3554.6	3389.2	3269.0	3133.4
50°	2509.8	2615.4	2666.4	2701.2	2682.7	2657.0	2594.6	2538.8	2463.3	2408.2	2344.0
52.5°	1938.3	1991.1	2019.9	2040.9	2036.8	2027.4	2000.2	1975.3	1940.0	1916.7	1888.5
55°	1641.8	1642.6	1695.7	1672.9	1706.6	1667.2	1682.7	1638.9	1646.1	1608.4	1583.2
57.5°	1364.3	1386.0	1395.6	1405.0	1402.4	1400.8	1390.2	1385.0	1373.0	1369.4	1360.9
60°	1200.1	1211.4	1213.7	1218.1	1214.4	1213.0	1204.8	1201.8	1193.8	1192.4	1186.8
62.5°	1087.5	1093.3	1093.3	1093.3	1088.5	1084.1	1074.9	1070.0	1063.3	1061.8	1058.5
65°	993.6	999.5	1000.5	1001.7	998.3	994.8	986.7	981.6	974.6	971.9	968.1
67.5°	896.5	903.0	905.1	908.3	906.4	905.7	900.1	898.1	893.5	892.4	888.9
70°	820.3	823.0	822.8	822.7	818.4	814.6	808.2	805.2	800.3	799.3	796.2
72.5°	775.0	776.9	775.7	774.1	768.5	762.8	755.3	749.8	743.5	739.6	735.2
75°	711.2	713.8	712.2	711.0	706.1	702.4	696.3	693.3	688.8	687.6	684.5
77.5°	632.9	634.2	631.6	631.3	627.5	625.1	620.5	619.8	616.6	616.6	613.7
80°	545.8	545.1	541.0	540.2	536.4	535.4	531.8	532.0	529.5	530.5	528.5
82.5°	449.1	446.7	441.2	439.6	435.3	434.9	432.5	434.5	432.9	435.3	433.9
85°	321.9	322.5	320.2	320.2	318.8	319.2	319.0	320.6	320.8	322.9	322.8
87.5°	179.4	182.0	181.5	183.8	183.7	186.5	187.3	191.2	191.7	195.3	195.3
90°	64.1	67.6	66.3	70.1	69.7	73.9	74.2	78.2	78.0	81.5	80.5
92.5°	31.8	29.9	27.9	25.9	24.9	23.8	23.2	21.8	21.1	19.9	18.9
95°	39.7	36.3	33.0	29.7	28.6	27.3	26.2	25.1	23.9	22.8	21.7
97.5°	44.8	40.9	36.9	33.0	32.0	31.1	30.0	29.0	28.1	27.0	26.0
100°	60.2	53.0	45.7	38.3	37.5	36.7	35.8	35.0	34.2	33.3	32.4
102.5°	122.6	107.2	91.6	76.1	73.2	70.2	67.3	64.3	61.2	58.3	55.4
105°	229.3	204.1	179.1	154.0	146.0	138.0	130.1	122.0	113.9	105.9	98.0
107.5°	347.1	321.6	296.1	270.6	256.0	241.2	226.4	211.6	196.9	182.0	167.3
110°	413.8	395.2	376.7	358.0	346.3	334.4	322.5	310.6	298.9	286.9	275.0



TEST NUMBER: P1444384
 CATALOG NUMBER: EHBR1-30-UNV-TA-L840-UPL12

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	425.9	412.7	399.5	386.0	380.8	375.4	370.2	364.8	359.5	354.0	348.6
115°	401.4	392.6	383.6	374.6	372.9	371.0	369.3	367.4	365.6	363.6	361.7
117.5°	361.5	356.6	351.7	346.8	347.2	347.6	348.1	348.4	348.7	348.9	349.3
120°	320.2	318.2	316.4	314.4	316.3	318.0	319.9	321.5	323.2	324.7	326.3
122.5°	287.0	286.4	285.8	285.1	287.5	289.6	291.7	293.8	295.7	297.6	299.5
125°	261.6	261.5	261.4	261.1	263.4	265.7	267.9	269.9	271.9	273.7	275.7
127.5°	245.5	245.8	246.0	246.1	248.0	249.5	251.2	252.7	254.3	255.5	256.8
130°	235.1	235.1	235.4	235.5	237.1	238.7	240.3	241.6	243.0	244.1	245.2
132.5°	229.4	229.4	229.6	229.6	231.0	232.2	233.4	234.3	235.4	236.1	236.8
135°	225.2	225.2	225.2	225.1	226.4	227.6	228.7	229.6	230.7	231.3	232.0
137.5°	222.1	222.0	222.1	222.0	223.2	224.2	225.3	226.0	226.8	227.5	228.1
140°	219.7	219.5	219.5	219.3	220.3	221.2	222.1	222.9	223.7	224.2	224.7
142.5°	217.4	216.9	216.8	216.3	217.0	217.7	218.4	219.1	219.7	220.1	220.4
145°	216.6	216.0	215.6	214.9	215.5	216.0	216.7	217.2	217.5	217.7	218.1
147.5°	216.1	215.4	214.7	214.1	214.8	215.1	215.5	215.7	216.2	216.3	216.5
150°	215.4	214.6	213.8	213.1	213.5	213.7	214.0	214.3	214.6	214.6	214.8
152.5°	214.2	213.4	212.7	211.9	212.1	212.2	212.4	212.5	212.7	212.7	212.8
155°	214.3	213.6	213.0	212.3	212.4	212.6	212.6	212.7	212.6	212.6	212.5
157.5°	215.9	215.2	214.8	214.1	214.1	214.1	214.1	213.8	213.8	213.6	213.3
160°	217.7	217.1	216.7	216.1	216.0	215.9	215.9	215.6	215.5	215.2	214.9
162.5°	219.8	219.2	218.5	217.9	217.8	217.8	217.6	217.4	217.3	217.0	216.7
165°	222.3	221.9	221.5	220.9	220.8	220.6	220.5	220.2	220.0	219.6	219.3
167.5°	224.9	224.5	224.1	223.6	223.6	223.5	223.4	223.2	223.0	222.7	222.6
170°	227.4	227.0	226.7	226.3	226.1	226.0	225.8	225.6	225.3	225.1	224.8
172.5°	229.1	228.8	228.4	227.9	227.9	227.8	227.6	227.5	227.3	227.1	227.0
175°	229.4	229.1	228.7	228.5	228.4	228.3	228.2	228.1	227.9	227.8	227.6
177.5°	230.6	230.5	230.1	230.0	229.9	229.9	229.7	229.6	229.6	229.5	229.4
180°	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6



TEST NUMBER: P1444384
 CATALOG NUMBER: EHBR1-30-UNV-TA-L840-UPL12

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	26515.8	26515.8
2.5°	26618.5	26617.1
5°	26717.5	26715.9
7.5°	26792.8	26792.3
10°	26801.6	26806.2
12.5°	26748.2	26751.9
15°	26592.0	26599.3
17.5°	26293.4	26303.0
20°	25779.0	25789.0
22.5°	24946.1	24950.2
25°	23735.1	23718.0
27.5°	22084.2	22054.6
30°	19985.5	19956.8
32.5°	17483.1	17465.3
35°	14666.4	14655.1
37.5°	11700.9	11678.0
40°	8822.0	8755.0
42.5°	6296.9	6179.3
45°	4351.7	4212.3
47.5°	3037.9	2951.7
50°	2302.6	2274.9
52.5°	1876.2	1869.8
55°	1583.1	1580.3
57.5°	1362.9	1361.8
60°	1189.8	1189.5
62.5°	1060.8	1061.3
65°	969.9	970.1
67.5°	889.8	889.2
70°	797.4	796.7
72.5°	733.6	732.6
75°	684.5	683.9
77.5°	614.6	613.5
80°	529.8	528.5
82.5°	435.8	434.3
85°	325.1	325.2
87.5°	198.9	198.8
90°	83.8	82.3
92.5°	18.2	17.4
95°	20.6	19.5
97.5°	25.1	24.1
100°	31.6	30.8
102.5°	52.5	49.5
105°	90.0	82.0
107.5°	152.5	137.7
110°	263.0	251.1



TEST NUMBER: P1444384
CATALOG NUMBER: EHBR1-30-UNV-TA-L840-UPL12

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	343.2	337.7
115°	359.5	357.6
117.5°	349.4	349.5
120°	327.6	329.1
122.5°	301.1	302.8
125°	277.3	279.0
127.5°	257.8	258.8
130°	245.9	246.8
132.5°	237.3	237.7
135°	232.3	232.7
137.5°	228.3	228.6
140°	224.9	225.1
142.5°	220.6	220.7
145°	218.2	218.2
147.5°	216.2	216.3
150°	214.6	214.6
152.5°	212.5	212.5
155°	212.3	212.1
157.5°	212.9	212.7
160°	214.5	214.3
162.5°	216.3	216.1
165°	218.8	218.3
167.5°	222.1	222.0
170°	224.5	224.3
172.5°	226.7	226.5
175°	227.5	227.4
177.5°	229.4	229.2
180°	230.6	230.6



TEST NUMBER: P1444384
 CATALOG NUMBER: EHBR1-30-UNV-TA-L840-UPL12

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	16.42	17.53	16.87	17.94	18.37	14.80	15.91	15.25	16.32	16.75
	3H	17.98	18.96	18.44	19.39	19.87	17.23	18.22	17.70	18.65	19.12
	4H	18.77	19.69	19.25	20.13	20.63	18.35	19.27	18.83	19.71	20.21
	6H	19.54	20.38	20.03	20.85	21.35	19.39	20.24	19.89	20.70	21.21
	8H	19.85	20.65	20.36	21.13	21.65	19.83	20.63	20.34	21.11	21.63
	12H	20.10	20.87	20.61	21.34	21.88	20.19	20.95	20.70	21.42	21.96
4H	2H	16.80	17.73	17.29	18.17	18.66	15.52	16.44	16.00	16.88	17.38
	3H	18.68	19.44	19.17	19.93	20.45	18.14	18.90	18.64	19.40	19.91
	4H	19.68	20.37	20.20	20.87	21.42	19.40	20.08	19.91	20.59	21.14
	6H	20.64	21.23	21.18	21.76	22.33	20.58	21.17	21.12	21.70	22.28
	8H	21.02	21.58	21.57	22.11	22.68	21.08	21.63	21.63	22.16	22.74
	12H	21.34	21.82	21.90	22.39	22.97	21.49	21.98	22.06	22.54	23.12
8H	4H	20.06	20.61	20.61	21.14	21.72	19.81	20.36	20.36	20.89	21.47
	6H	21.22	21.67	21.80	22.24	22.83	21.16	21.61	21.74	22.19	22.78
	8H	21.72	22.12	22.32	22.72	23.31	21.77	22.17	22.36	22.76	23.36
	12H	22.15	22.51	22.75	23.08	23.75	22.29	22.64	22.88	23.22	23.89
12H	4H	20.11	20.59	20.67	21.16	21.73	19.87	20.36	20.43	20.92	21.50
	6H	21.33	21.73	21.92	22.32	22.92	21.28	21.68	21.87	22.27	22.87
	8H	21.92	22.27	22.51	22.84	23.51	21.95	22.30	22.54	22.87	23.55

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



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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-1

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

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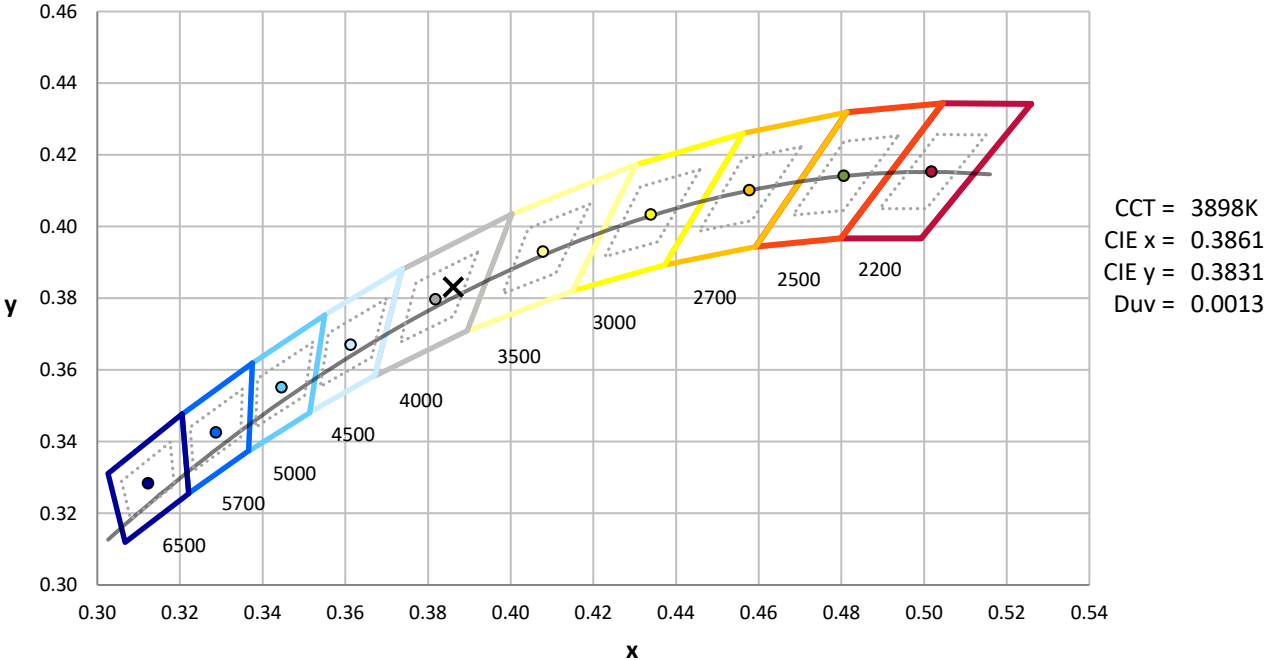
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208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



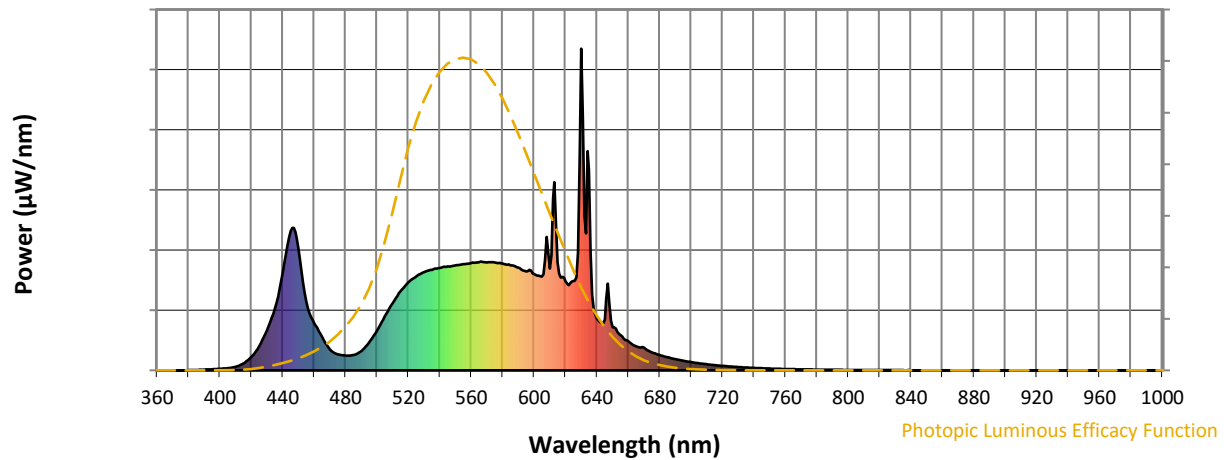
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



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 [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)
360	0	NR	490	60	NR	620	277	NR	750	6	NR	880	0	NR
365	0	NR	495	87	NR	625	278	NR	755	5	NR	885	0	NR
370	0	NR	500	124	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	168	NR	635	623	NR	765	4	NR	895	0	NR
380	1	NR	510	209	NR	640	162	NR	770	3	NR	900	0	NR
385	1	NR	515	246	NR	645	158	NR	775	3	NR	905	0	NR
390	2	NR	520	273	NR	650	134	NR	780	2	NR	910	0	NR
395	4	NR	525	292	NR	655	109	NR	785	2	NR	915	0	NR
400	5	NR	530	305	NR	660	91	NR	790	2	NR	920	0	NR
405	7	NR	535	313	NR	665	75	NR	795	2	NR	925	0	NR
410	11	NR	540	319	NR	670	70	NR	800	1	NR	930	0	NR
415	21	NR	545	323	NR	675	56	NR	805	1	NR	935	0	NR
420	42	NR	550	326	NR	680	47	NR	810	1	NR	940	0	NR
425	76	NR	555	330	NR	685	41	NR	815	1	NR	945	0	NR
430	125	NR	560	333	NR	690	35	NR	820	1	NR	950	0	NR
435	193	NR	565	336	NR	695	30	NR	825	1	NR	955	0	NR
440	302	NR	570	336	NR	700	26	NR	830	1	NR	960	0	NR
445	432	NR	575	335	NR	705	22	NR	835	1	NR	965	0	NR
450	380	NR	580	332	NR	710	19	NR	840	0	NR	970	0	NR
455	213	NR	585	326	NR	715	16	NR	845	0	NR	975	0	NR
460	147	NR	590	319	NR	720	14	NR	850	0	NR	980	0	NR
465	104	NR	595	307	NR	725	12	NR	855	0	NR	985	0	NR
470	65	NR	600	299	NR	730	10	NR	860	0	NR	990	0	NR
475	50	NR	605	291	NR	735	9	NR	865	0	NR	995	0	NR
480	46	NR	610	317	NR	740	8	NR	870	0	NR	1000	0	NR
485	47	NR	615	336	NR	745	7	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-1

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.55

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	60	NR	620	277	NR	750	6	NR	880	0	NR
365	0	NR	495	87	NR	625	278	NR	755	5	NR	885	0	NR
370	0	NR	500	124	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	168	NR	635	623	NR	765	4	NR	895	0	NR
380	1	NR	510	209	NR	640	162	NR	770	3	NR	900	0	NR
385	1	NR	515	246	NR	645	158	NR	775	3	NR	905	0	NR
390	2	NR	520	273	NR	650	134	NR	780	2	NR	910	0	NR
395	4	NR	525	292	NR	655	109	NR	785	2	NR	915	0	NR
400	5	NR	530	305	NR	660	91	NR	790	2	NR	920	0	NR
405	7	NR	535	313	NR	665	75	NR	795	2	NR	925	0	NR
410	11	NR	540	319	NR	670	70	NR	800	1	NR	930	0	NR
415	21	NR	545	323	NR	675	56	NR	805	1	NR	935	0	NR
420	42	NR	550	326	NR	680	47	NR	810	1	NR	940	0	NR
425	76	NR	555	330	NR	685	41	NR	815	1	NR	945	0	NR
430	125	NR	560	333	NR	690	35	NR	820	1	NR	950	0	NR
435	193	NR	565	336	NR	695	30	NR	825	1	NR	955	0	NR
440	302	NR	570	336	NR	700	26	NR	830	1	NR	960	0	NR
445	432	NR	575	335	NR	705	22	NR	835	1	NR	965	0	NR
450	380	NR	580	332	NR	710	19	NR	840	0	NR	970	0	NR
455	213	NR	585	326	NR	715	16	NR	845	0	NR	975	0	NR
460	147	NR	590	319	NR	720	14	NR	850	0	NR	980	0	NR
465	104	NR	595	307	NR	725	12	NR	855	0	NR	985	0	NR
470	65	NR	600	299	NR	730	10	NR	860	0	NR	990	0	NR
475	50	NR	605	291	NR	735	9	NR	865	0	NR	995	0	NR
480	46	NR	610	317	NR	740	8	NR	870	0	NR	1000	0	NR
485	47	NR	615	336	NR	745	7	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.99

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	60	NR	620	277	NR	750	6	NR	880	0	NR
365	0	NR	495	87	NR	625	278	NR	755	5	NR	885	0	NR
370	0	NR	500	124	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	168	NR	635	623	NR	765	4	NR	895	0	NR
380	1	NR	510	209	NR	640	162	NR	770	3	NR	900	0	NR
385	1	NR	515	246	NR	645	158	NR	775	3	NR	905	0	NR
390	2	NR	520	273	NR	650	134	NR	780	2	NR	910	0	NR
395	4	NR	525	292	NR	655	109	NR	785	2	NR	915	0	NR
400	5	NR	530	305	NR	660	91	NR	790	2	NR	920	0	NR
405	7	NR	535	313	NR	665	75	NR	795	2	NR	925	0	NR
410	11	NR	540	319	NR	670	70	NR	800	1	NR	930	0	NR
415	21	NR	545	323	NR	675	56	NR	805	1	NR	935	0	NR
420	42	NR	550	326	NR	680	47	NR	810	1	NR	940	0	NR
425	76	NR	555	330	NR	685	41	NR	815	1	NR	945	0	NR
430	125	NR	560	333	NR	690	35	NR	820	1	NR	950	0	NR
435	193	NR	565	336	NR	695	30	NR	825	1	NR	955	0	NR
440	302	NR	570	336	NR	700	26	NR	830	1	NR	960	0	NR
445	432	NR	575	335	NR	705	22	NR	835	1	NR	965	0	NR
450	380	NR	580	332	NR	710	19	NR	840	0	NR	970	0	NR
455	213	NR	585	326	NR	715	16	NR	845	0	NR	975	0	NR
460	147	NR	590	319	NR	720	14	NR	850	0	NR	980	0	NR
465	104	NR	595	307	NR	725	12	NR	855	0	NR	985	0	NR
470	65	NR	600	299	NR	730	10	NR	860	0	NR	990	0	NR
475	50	NR	605	291	NR	735	9	NR	865	0	NR	995	0	NR
480	46	NR	610	317	NR	740	8	NR	870	0	NR	1000	0	NR
485	47	NR	615	336	NR	745	7	NR	875	0	NR			

Summary

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

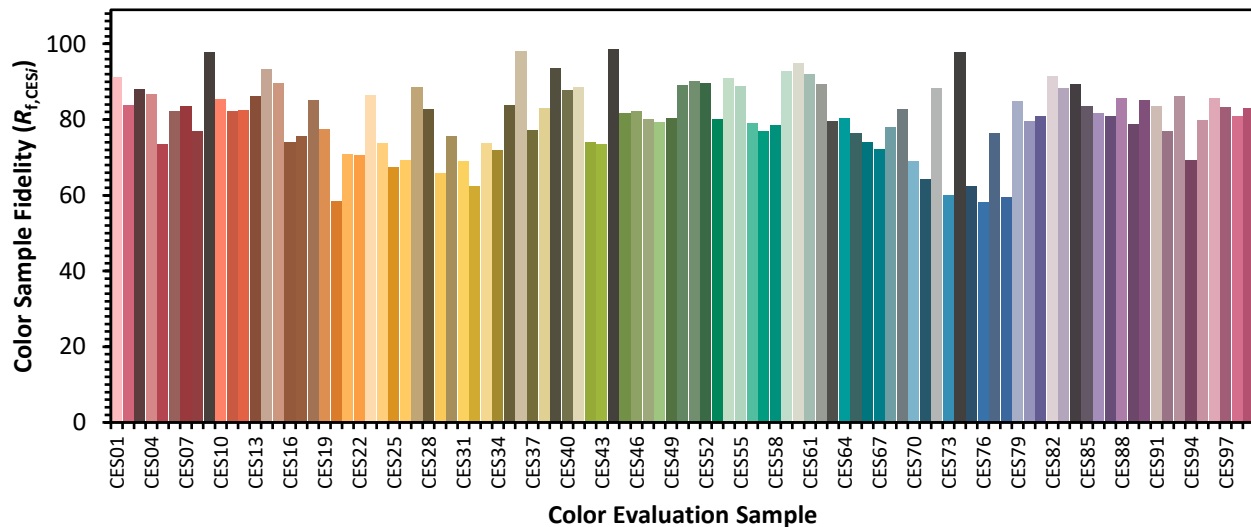


Color Vector Graphics



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

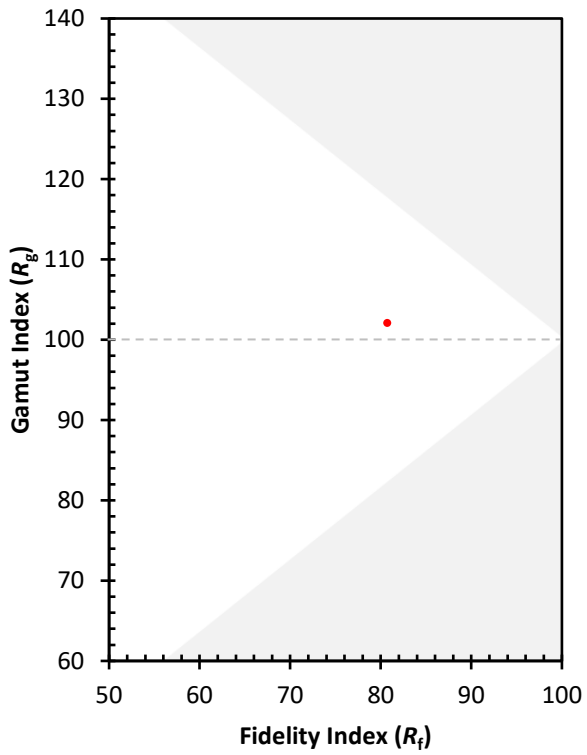
CES01 = 85	CES26 = 69	CES51 = 90	CES76 = 58
CES02 = 61	CES27 = 89	CES52 = 90	CES77 = 76
CES03 = 31	CES28 = 83	CES53 = 80	CES78 = 60
CES04 = 69	CES29 = 66	CES54 = 91	CES79 = 85
CES05 = 48	CES30 = 76	CES55 = 89	CES80 = 79
CES06 = 50	CES31 = 69	CES56 = 79	CES81 = 81
CES07 = 41	CES32 = 62	CES57 = 77	CES82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



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)