

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: P1444828

Luminaire Tested: EHBR1-42-UNV-TA-L940-UPL18

Issue Date: 5/1/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1444828  
REPORT IS A COMBINATION OF REPORTS P1444323 AND P1431635  
Test Lab: INNOVATION CENTER  
Issue Date: 5/1/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: EHBR1-42-UNV-TA-L940-UPL18  
Description: Elevate Round Highbay at, 42000 lumens, 4000K 90CRI LEDs with TA lens  
Light Source: -  
Ballast/Driver: -

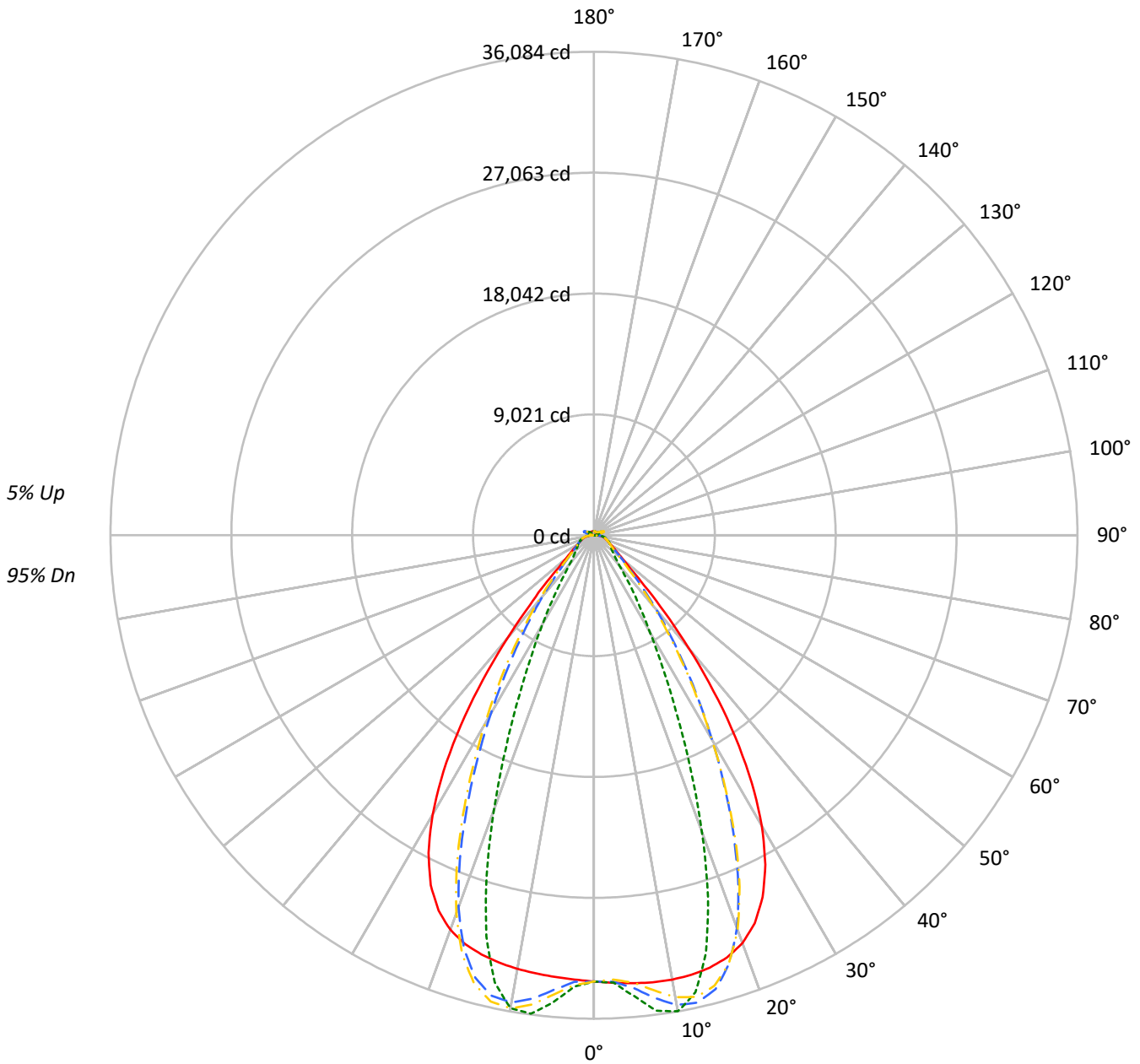
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 40281.6 lumens  
Efficiency: N/A  
Efficacy: 170.5 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 0.77 / 0.88  
Luminous Opening: Vertical Cylinder (Dia: 1.71' x H: 0.1')  
CIE Type: Direct

Input Watts (W): 236.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P1444828  
CATALOG NUMBER: EHBR1-42-UNV-TA-L940-UPL18

### 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	108	108	108	103	103	103	98	98	98	98	98	98	95
1	111	107	104	101	108	105	102	99	100	97	95	95	93	92	91	89	88	88	88	88	86
2	104	98	93	89	101	96	91	88	92	88	85	88	85	82	84	82	80	80	80	80	78
3	98	90	84	79	95	88	83	79	85	80	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	68	74	70	67	67	67	67	65
5	87	77	70	65	84	76	69	65	73	68	64	71	66	63	69	65	62	62	62	62	60
6	82	72	65	60	80	70	64	60	68	63	59	66	62	58	65	60	57	57	57	57	55
7	77	67	60	55	75	66	59	55	64	58	54	62	57	54	61	56	53	53	53	53	51
8	73	63	56	51	72	62	55	51	60	55	50	59	54	50	57	53	49	49	49	49	48
9	69	59	52	48	68	58	52	48	57	51	47	55	50	47	54	50	46	46	46	46	45
10	66	55	49	45	65	55	49	44	53	48	44	52	47	44	51	47	43	43	43	43	42

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

	0°	90°	180°	270°
0°	156418	156418	156418	156418
5°	157176	161759	154976	163878
10°	158488	169835	154687	168711
15°	159265	153954	154416	147755
20°	157619	114690	152460	106115
25°	149192	72535	144262	65813
30°	130331	43588	125282	39835
35°	100303	27352	94534	24229
40°	63451	17157	58053	16122
45°	32704	13366	32162	13146
50°	19174	11889	18586	11703
55°	14689	11248	14145	11147
60°	12429	11491	11900	11342
65°	11674	12000	11227	11590
70°	11406	12565	10837	12092
75°	12196	13324	11537	12736
80°	12620	14755	11441	13470
85°	11883	14236	9604	12191

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 25°  
 Vertical Angle: 45°  
 Luminance: 50049 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3282.6	8.1
10°-20°	9234.3	22.9
20°-30°	10517.1	26.1
30°-40°	7559.2	18.8
40°-50°	3486.3	8.7
50°-60°	1668.3	4.1
60°-70°	1217.3	3.0
70°-80°	924.8	2.3
80°-90°	423.7	1.1
90°-100°	58.8	0.1
100°-110°	309.5	0.8
110°-120°	571.2	1.4
120°-130°	357.0	0.9
130°-140°	239.3	0.6
140°-150°	185.4	0.5
150°-160°	134.2	0.3
160°-170°	83.5	0.2
170°-180°	29.1	0.1
0°-30°	23034.0	57.2
0°-40°	30593.2	75.9
0°-60°	35747.9	88.7
0°-90°	38313.7	95.1
90°-120°	939.5	2.3
90°-150°	1721.1	4.3
90°-180°	1968.0	4.9
0°-180°	40281.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	33308	33308	33308	33308	33308	
5°	33560	34538	33090	34990	33560	3207
15°	33413	32299	32396	30998	33413	9414
25°	29794	14485	28809	13143	29794	13506
35°	18409	5020	17350	4447	18409	11298
45°	5291	2163	5204	2127	5291	4500
55°	1985	1520	1912	1506	1985	1832
65°	1218	1252	1172	1210	1218	1217
75°	859	939	813	897	859	893
85°	408	489	330	419	408	384
90°	105	134	26	33	105	66
95°	27	29	27	30	27	25
105°	114	145	78	145	114	150
115°	501	601	525	602	501	464
125°	388	396	438	397	388	353
135°	320	274	343	277	320	249
145°	297	279	314	284	297	187
155°	286	282	303	286	286	133
165°	293	290	303	292	293	83
175°	304	306	309	307	304	29
180°	308	308	308	308	308	



TEST NUMBER: P1444828  
 CATALOG NUMBER: EHBR1-42-UNV-TA-L940-UPL18

**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2
2.5°	33435.5	33432.8	33432.2	33429.9	33429.2	33429.2	33428.1	33425.4	33423.7	33419.9	33415.5
5°	33559.5	33558.0	33558.9	33559.1	33556.8	33551.5	33543.4	33533.5	33520.9	33509.0	33498.3
7.5°	33655.4	33657.7	33660.7	33660.1	33652.8	33640.6	33623.9	33614.5	33620.1	33638.3	33679.7
10°	33672.9	33687.3	33692.8	33691.1	33676.5	33666.0	33670.1	33705.4	33775.6	33869.3	33997.4
12.5°	33604.6	33622.2	33621.6	33615.7	33601.7	33616.0	33667.2	33772.2	33922.8	34107.5	34324.3
15°	33413.0	33435.6	33429.2	33421.8	33412.4	33459.4	33561.4	33743.9	33976.5	34237.0	34503.9
17.5°	33040.8	33068.2	33054.9	33046.3	33038.4	33126.5	33302.0	33569.1	33862.1	34156.8	34409.7
20°	32395.2	32413.5	32381.9	32366.9	32379.5	32552.2	32810.5	33151.8	33460.5	33739.3	33912.1
22.5°	31341.6	31364.4	31304.8	31297.9	31371.4	31636.7	31963.6	32345.1	32635.2	32856.1	32922.7
25°	29793.6	29816.0	29745.2	29787.5	29912.7	30274.0	30663.3	31071.3	31318.8	31482.5	31437.4
27.5°	27704.2	27724.7	27657.5	27743.9	27941.8	28416.6	28874.8	29317.3	29537.9	29652.6	29507.4
30°	25069.0	25111.6	25032.2	25152.8	25454.9	26071.3	26596.2	27092.5	27312.5	27399.8	27173.6
32.5°	21939.2	21999.8	21912.3	22091.7	22513.2	23253.6	23850.0	24404.5	24647.8	24747.4	24492.0
35°	18409.2	18496.1	18395.7	18665.1	19184.9	20009.4	20669.9	21288.9	21577.0	21718.2	21460.8
37.5°	14669.3	14752.1	14697.8	15057.2	15628.0	16482.6	17156.7	17824.6	18149.9	18361.9	18159.0
40°	10997.6	11073.4	11114.5	11525.5	12062.3	12867.8	13515.3	14176.1	14540.1	14806.1	14681.0
42.5°	7762.2	7838.6	7978.3	8374.8	8822.5	9489.3	10043.9	10637.2	10984.9	11268.7	11220.5
45°	5291.3	5380.1	5555.1	5879.8	6203.5	6681.9	7089.2	7550.6	7834.6	8094.6	8097.7
47.5°	3707.9	3770.2	3926.6	4148.3	4359.4	4958.2	4982.8	5209.6	5400.6	5594.8	5620.1
50°	2857.6	2895.1	2978.1	3101.6	3221.3	3376.7	3519.0	3683.4	3800.8	3907.4	3932.8
52.5°	2348.8	2372.6	2414.8	2481.7	2551.1	2635.6	2711.8	2802.0	2866.0	2923.0	2935.0
55°	1985.1	2004.8	2067.7	2080.4	2159.7	2175.1	2208.9	2263.8	2301.0	2335.2	2343.7
57.5°	1710.7	1725.0	1738.4	1766.9	1791.3	1826.9	1855.5	1894.9	1918.4	1943.0	1945.1
60°	1494.2	1504.5	1514.0	1533.8	1550.4	1575.1	1594.9	1621.7	1638.5	1657.0	1659.1
62.5°	1333.1	1340.5	1346.8	1359.8	1371.8	1390.8	1406.4	1428.8	1444.4	1458.8	1461.9
65°	1218.5	1223.9	1228.0	1237.9	1248.3	1264.4	1278.6	1296.9	1308.4	1319.4	1321.7
67.5°	1117.0	1122.3	1126.5	1135.4	1142.6	1154.7	1164.2	1177.9	1186.5	1195.3	1195.6
70°	1000.8	1005.6	1008.8	1017.2	1022.9	1033.4	1041.0	1053.3	1062.3	1072.0	1074.5
72.5°	920.3	923.1	927.5	935.1	943.1	954.2	964.4	977.3	988.0	998.2	1002.5
75°	859.1	862.4	865.2	871.7	877.3	886.7	894.4	906.1	915.4	926.3	931.6
77.5°	770.7	774.5	777.0	783.5	788.4	797.3	803.0	813.5	821.2	831.0	835.9
80°	663.9	667.4	669.2	675.3	679.2	687.5	693.1	703.1	709.5	719.4	725.2
82.5°	545.5	548.9	550.0	555.7	557.9	564.7	568.7	579.1	586.9	599.8	608.7
85°	408.4	409.7	411.7	410.2	418.5	419.0	428.4	430.0	442.4	445.6	459.7
87.5°	249.7	253.4	255.3	261.0	263.5	269.2	270.8	276.9	280.2	287.1	290.3
90°	104.8	110.5	112.4	119.0	120.6	126.7	128.0	134.6	136.5	143.4	145.9
92.5°	23.8	25.2	26.4	28.0	29.4	31.6	33.4	34.9	36.4	38.5	41.4
95°	26.6	28.2	29.8	31.4	33.0	34.7	36.2	37.8	39.4	41.0	45.6
97.5°	33.2	34.6	36.0	37.3	38.7	40.1	41.5	42.8	44.2	45.5	51.0
100°	42.6	43.8	44.9	46.1	47.2	48.4	49.6	50.8	51.9	53.1	63.3
102.5°	68.8	72.9	77.1	81.2	85.3	89.3	93.6	97.5	101.7	105.8	127.5
105°	114.3	125.5	136.9	147.9	159.2	170.5	181.8	192.7	203.9	215.1	250.5
107.5°	192.7	213.3	234.1	255.0	275.8	296.4	317.2	337.9	358.6	379.1	415.0
110°	352.0	368.6	385.3	401.9	418.6	435.3	451.9	468.3	485.1	501.6	527.8



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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°	473.6	481.0	488.6	496.0	503.6	510.8	518.4	525.7	533.3	540.5	559.2
115°	501.2	503.7	506.3	508.8	511.4	513.7	516.3	518.7	521.2	523.5	536.1
117.5°	489.4	488.7	488.2	487.6	486.8	486.1	485.4	484.5	483.7	483.0	490.0
120°	460.0	457.3	454.9	452.3	449.8	447.0	444.5	441.8	439.1	436.2	439.1
122.5°	422.3	419.3	416.4	413.2	410.2	406.8	403.9	400.3	397.3	394.0	394.7
125°	387.9	384.9	382.0	378.7	375.5	372.1	368.8	365.5	362.1	358.7	358.9
127.5°	358.7	356.5	354.4	351.8	349.4	346.8	344.2	341.4	339.0	336.1	336.0
130°	341.2	339.2	337.1	334.7	332.5	330.0	327.6	325.0	322.5	319.8	319.6
132.5°	327.6	326.2	324.5	322.7	320.9	318.6	316.9	314.5	312.6	310.5	310.2
135°	319.6	318.1	316.8	315.0	313.3	311.2	309.2	307.2	305.2	303.0	302.9
137.5°	313.3	311.9	310.5	308.8	307.3	305.1	303.3	301.3	299.4	297.3	297.1
140°	307.6	306.3	304.9	303.3	301.9	300.2	298.2	296.4	294.5	292.4	292.5
142.5°	300.5	299.3	298.4	296.9	295.7	294.0	292.5	290.7	289.2	287.4	287.7
145°	296.7	295.8	294.8	293.7	292.4	290.8	289.5	287.8	286.4	284.9	285.2
147.5°	293.4	292.5	291.9	290.8	289.8	288.4	287.2	285.7	284.5	283.2	283.7
150°	290.5	289.8	289.1	288.2	287.0	285.9	284.7	283.4	282.3	281.0	281.5
152.5°	287.1	286.3	285.6	284.7	283.8	282.4	281.5	280.3	279.1	278.0	278.3
155°	286.1	285.3	284.4	283.6	282.7	281.6	280.5	279.4	278.5	277.3	277.4
157.5°	286.5	285.6	285.0	284.1	283.5	282.5	281.6	280.6	279.8	278.9	278.9
160°	288.3	287.5	286.8	285.8	285.1	284.1	283.4	282.3	281.7	280.8	280.8
162.5°	290.1	289.3	288.6	287.8	287.0	286.0	285.3	284.6	283.9	282.9	283.0
165°	292.7	292.3	291.6	291.0	290.4	289.8	289.2	288.4	287.8	287.0	287.1
167.5°	297.3	296.6	296.2	295.4	294.8	294.0	293.4	292.6	292.2	291.3	291.4
170°	300.1	299.5	299.2	298.8	298.2	297.8	297.4	296.9	296.4	295.9	296.0
172.5°	302.8	302.3	302.0	301.9	301.3	301.1	300.7	300.4	300.1	299.6	300.0
175°	304.0	303.6	303.5	303.3	303.0	302.8	302.6	302.4	302.4	302.0	302.0
177.5°	306.2	306.1	306.1	306.0	306.0	305.9	305.8	305.5	305.4	305.4	305.5
180°	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1



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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°	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2
2.5°	33412.4	33408.3	33402.8	33395.7	33389.6	33382.6	33366.0	33361.0	33366.5	33370.2	33377.9
5°	33491.7	33494.1	33494.9	33510.1	33523.2	33555.9	33812.2	33914.0	33992.8	34042.8	34118.7
7.5°	33731.1	33808.1	33884.2	33986.7	34075.1	34194.5	34642.9	34833.7	34969.3	35066.9	35186.9
10°	34136.7	34304.9	34462.5	34647.2	34805.9	34987.8	35405.1	35591.0	35708.4	35793.8	35873.6
12.5°	34545.3	34778.5	34989.3	35194.8	35366.6	35524.2	35671.0	35736.1	35741.6	35744.4	35702.0
15°	34758.1	34981.1	35166.7	35302.7	35403.6	35448.3	35195.6	35063.0	34895.5	34757.6	34530.5
17.5°	34623.9	34757.6	34837.8	34829.8	34788.1	34648.4	33932.7	33539.0	33148.1	32796.0	32334.2
20°	34026.7	34016.4	33946.7	33749.1	33511.0	33140.7	31913.6	31205.7	30521.2	29920.0	29190.7
22.5°	32915.9	32741.0	32497.4	32071.2	31597.9	30950.8	29192.4	28151.1	27198.2	26356.4	25413.4
25°	31306.3	30946.7	30497.2	29820.8	29085.0	28141.4	25974.1	24678.8	23534.8	22542.5	21454.4
27.5°	29246.3	28704.7	28046.0	27109.7	26113.0	24904.1	22501.3	21071.8	19843.6	18779.7	17621.8
30°	26807.6	26103.1	25252.5	24090.5	22888.2	21517.2	19080.1	17632.2	16389.1	15294.7	14135.9
32.5°	24051.5	23226.5	22229.8	20925.5	19625.4	18215.6	15862.1	14460.6	13273.1	12220.2	11171.3
35°	21011.9	20127.1	19072.6	17742.3	16449.9	15079.3	12919.8	11656.1	10607.4	9676.8	8829.9
37.5°	17751.2	16882.4	15880.2	14626.4	13428.0	12186.0	10322.6	9263.7	8383.7	7611.3	6957.3
40°	14361.1	13600.8	12733.6	11649.7	10626.9	9592.6	8063.0	7222.5	6527.9	5938.9	5448.8
42.5°	11012.4	10423.3	9758.2	8901.7	8119.0	7331.5	6154.2	5531.4	5017.0	4593.0	4246.4
45°	7989.9	7595.8	7149.7	6554.2	6012.7	5463.4	4625.4	4187.8	3852.8	3579.4	3348.1
47.5°	5585.3	5356.7	5342.8	4792.5	4395.3	4059.5	3519.7	3243.2	3038.0	2872.3	2725.9
50°	3922.4	3811.8	3674.4	3478.0	3293.7	3103.9	2775.0	2607.9	2487.7	2387.2	2294.7
52.5°	2932.3	2874.9	2801.6	2697.5	2597.6	2490.8	2282.7	2176.3	2138.5	2045.1	1971.7
55°	2342.1	2309.2	2267.5	2206.3	2145.6	2121.3	1942.9	1863.9	1813.9	1777.0	1737.6
57.5°	1945.5	1920.9	1896.2	1854.7	1819.6	1777.0	1682.3	1641.8	1612.0	1590.3	1563.0
60°	1659.4	1644.7	1630.9	1606.6	1587.6	1564.7	1504.5	1481.7	1466.1	1453.1	1435.7
62.5°	1464.6	1457.1	1450.0	1437.0	1427.4	1414.9	1373.8	1362.8	1355.1	1348.5	1337.8
65°	1324.1	1318.7	1314.6	1306.1	1301.2	1294.0	1258.7	1251.2	1246.4	1244.0	1237.9
67.5°	1196.3	1190.6	1188.0	1181.9	1179.8	1175.3	1146.4	1142.4	1140.7	1141.5	1139.3
70°	1076.8	1074.5	1075.7	1074.7	1077.4	1078.3	1060.8	1060.6	1062.4	1066.2	1066.5
72.5°	1005.2	1005.2	1006.5	1007.2	1009.8	1011.0	996.4	995.7	996.6	999.3	999.4
75°	937.0	938.2	941.9	943.1	946.2	946.8	927.5	925.3	925.5	928.0	927.2
77.5°	842.8	846.9	853.9	857.6	863.4	864.6	843.0	840.4	840.5	843.1	840.9
80°	735.7	743.5	754.7	762.6	771.7	775.3	753.1	747.8	742.9	742.1	737.7
82.5°	622.1	631.6	645.0	652.1	661.7	664.0	626.8	619.8	615.6	616.0	611.9
85°	474.9	482.0	494.2	498.2	504.3	503.7	461.4	443.2	447.9	440.5	446.4
87.5°	297.8	302.0	309.7	310.7	313.6	312.9	270.2	261.8	259.4	259.5	256.4
90°	153.2	156.3	163.4	164.0	168.7	168.4	134.3	130.7	127.3	128.6	124.1
92.5°	44.5	47.3	50.4	53.4	56.5	59.4	58.5	60.3	57.7	54.4	52.0
95°	50.2	54.9	59.5	64.3	68.9	73.6	78.3	82.9	78.5	74.1	69.7
97.5°	56.5	62.0	67.4	72.9	78.4	83.9	89.4	94.9	90.3	85.4	80.8
100°	73.6	83.8	94.1	104.3	114.5	124.7	135.1	145.3	136.3	127.1	118.1
102.5°	149.2	171.1	192.9	214.6	236.3	258.2	280.1	302.0	281.2	260.3	239.5
105°	285.8	321.1	356.4	391.6	426.8	462.1	497.9	533.1	499.9	466.7	433.4
107.5°	450.8	486.6	522.2	558.0	593.7	629.5	665.8	701.6	669.2	636.6	604.2
110°	553.9	579.8	605.8	631.8	657.8	683.8	710.7	736.7	717.2	697.5	677.9



TEST NUMBER: P1444828  
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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°	577.5	596.2	614.7	633.1	651.5	670.0	689.6	708.3	698.4	688.1	678.4
115°	548.3	560.9	573.1	585.4	597.8	609.9	623.6	636.4	632.9	629.4	626.1
117.5°	496.6	503.4	510.1	516.9	523.4	530.1	538.6	545.6	545.7	545.9	546.1
120°	441.7	444.3	446.8	449.6	451.9	454.5	459.2	462.2	464.5	466.6	468.8
122.5°	395.5	396.2	396.9	397.5	398.2	398.7	401.9	403.1	404.3	405.7	407.1
125°	358.9	359.1	359.1	359.2	359.1	359.1	362.1	362.5	362.2	361.8	361.4
127.5°	335.5	335.1	334.7	334.4	333.6	333.3	335.8	336.0	334.4	332.7	331.0
130°	319.4	319.1	318.7	318.5	318.3	318.1	320.9	321.4	318.9	316.2	313.7
132.5°	310.0	309.8	309.4	309.5	309.2	308.9	312.1	312.7	310.1	307.0	304.2
135°	302.6	302.7	302.5	302.3	302.1	302.3	305.8	306.5	303.9	301.0	298.3
137.5°	296.8	296.9	296.7	296.7	296.5	296.6	300.6	301.5	299.2	296.8	294.7
140°	292.5	292.4	292.5	292.7	292.7	293.0	297.4	298.4	296.7	294.7	292.7
142.5°	287.7	288.1	288.4	288.9	289.2	289.7	294.7	296.1	294.7	293.1	291.8
145°	285.5	286.1	286.6	287.1	287.7	288.4	294.0	295.8	294.9	293.7	292.6
147.5°	283.7	284.2	284.6	285.2	285.7	286.7	292.5	294.3	293.7	292.9	292.1
150°	281.6	282.2	282.7	283.2	284.1	284.9	291.6	293.8	293.2	292.6	291.9
152.5°	278.6	279.0	279.4	280.1	280.5	281.4	289.6	292.1	291.6	291.0	290.5
155°	277.7	278.0	278.2	278.6	278.9	279.7	288.7	291.1	290.8	290.4	289.9
157.5°	279.0	279.0	279.0	279.2	279.5	279.8	289.4	292.1	291.6	291.2	290.9
160°	280.7	280.8	280.7	280.7	280.8	280.9	291.0	293.5	293.2	292.7	292.4
162.5°	283.0	283.4	283.4	283.5	283.6	284.0	293.9	296.8	296.3	295.8	295.3
165°	287.1	286.9	286.9	287.0	287.0	287.1	296.5	299.0	298.7	298.2	297.8
167.5°	291.2	291.4	291.4	291.5	291.5	291.9	300.5	302.9	302.6	302.1	301.9
170°	295.9	296.1	296.0	296.2	296.4	296.6	303.9	305.9	305.7	305.1	304.7
172.5°	300.0	300.3	300.5	300.6	300.7	301.1	307.3	309.1	308.8	308.6	308.1
175°	302.3	302.3	302.6	302.9	303.1	303.3	308.2	309.5	309.3	309.1	308.8
177.5°	305.8	305.8	306.0	306.2	306.4	306.6	309.7	310.4	310.3	310.3	310.2
180°	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1



TEST NUMBER: P1444828  
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**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2
2.5°	33379.6	33391.4	33393.1	33406.8	33405.6	33421.9	33419.3	33432.8	33424.9	33435.9	33426.7
5°	34163.6	34234.7	34271.9	34341.3	34363.2	34425.3	34442.8	34499.5	34501.8	34546.8	34536.6
7.5°	35272.0	35376.8	35439.1	35524.9	35568.3	35639.7	35671.2	35724.0	35741.1	35783.1	35786.3
10°	35933.9	35984.8	36020.3	36044.2	36066.1	36076.4	36088.3	36085.1	36088.3	36083.7	36093.9
12.5°	35673.5	35599.3	35550.1	35457.0	35403.1	35300.3	35249.8	35150.9	35115.0	35030.1	35017.9
15°	34355.1	34096.1	33913.1	33647.0	33479.7	33217.9	33064.8	32828.6	32720.7	32533.0	32483.7
17.5°	31951.9	31471.2	31099.2	30621.9	30290.7	29844.7	29564.2	29195.0	28992.8	28695.1	28592.0
20°	28582.7	27871.4	27313.3	26648.6	26172.8	25580.1	25200.6	24722.0	24444.1	24078.5	23930.2
22.5°	24627.2	23741.6	23044.6	22259.3	21685.3	21024.7	20570.1	20052.3	19750.0	19352.7	19176.8
25°	20550.2	19573.7	18798.8	17971.3	17364.8	16702.7	16248.0	15739.2	15426.5	15049.3	14874.5
27.5°	16651.0	15662.5	14913.6	14144.3	13588.0	12990.5	12580.2	12136.0	11858.4	11536.5	11372.0
30°	13210.0	12338.1	11700.9	11062.5	10599.6	10114.4	9773.4	9405.3	9161.8	8886.1	8729.4
32.5°	10406.6	9733.5	9234.5	8727.8	8349.1	7943.6	7649.0	7324.2	7104.4	6858.2	6716.3
35°	8241.9	7718.9	7320.9	6903.9	6578.4	6233.1	5973.4	5693.1	5495.9	5283.9	5161.4
37.5°	6511.9	6096.0	5768.6	5422.2	5154.9	4868.8	4772.4	4450.7	4246.3	4077.1	3960.0
40°	5110.5	4779.9	4508.9	4244.0	4026.0	3809.0	3634.8	3463.0	3331.0	3210.1	3126.3
42.5°	3991.0	3751.4	3553.5	3359.4	3200.4	3042.3	2916.1	2797.7	2708.9	2629.8	2575.8
45°	3172.6	3007.8	2870.3	2733.6	2621.5	2515.9	2430.9	2355.5	2298.0	2250.5	2216.9
47.5°	2606.4	2493.5	2396.6	2304.3	2228.1	2159.0	2102.2	2083.6	2021.9	1980.3	1964.5
50°	2215.1	2147.0	2073.3	2005.2	1954.4	1903.7	1866.8	1830.7	1807.6	1788.5	1782.6
52.5°	1923.0	1870.9	1829.9	1786.9	1753.3	1717.2	1691.8	1667.7	1655.0	1645.0	1643.8
55°	1705.8	1669.4	1642.3	1613.4	1593.3	1572.2	1559.0	1546.3	1540.7	1535.6	1536.0
57.5°	1541.6	1517.3	1499.6	1480.9	1470.0	1459.9	1456.5	1453.3	1455.0	1455.8	1458.6
60°	1421.8	1406.0	1395.0	1384.1	1379.6	1376.4	1378.8	1381.7	1387.5	1392.2	1396.4
62.5°	1330.1	1321.1	1315.7	1309.9	1309.3	1309.6	1314.6	1319.4	1326.7	1332.1	1336.2
65°	1235.6	1230.5	1228.7	1225.0	1226.9	1228.0	1234.0	1237.7	1245.0	1249.2	1254.5
67.5°	1140.2	1139.0	1140.1	1140.1	1143.5	1146.3	1152.0	1156.2	1162.3	1166.3	1170.5
70°	1069.8	1070.3	1072.9	1073.3	1076.9	1078.9	1083.9	1086.6	1092.1	1095.4	1100.5
72.5°	1001.2	1000.1	1000.8	999.2	1000.4	999.9	1002.6	1003.9	1008.7	1011.2	1017.5
75°	928.3	925.2	924.5	921.1	921.3	918.9	920.0	919.9	923.0	924.2	928.7
77.5°	840.2	834.9	832.5	826.9	826.8	824.7	826.9	828.3	833.7	836.3	841.4
80°	734.7	726.6	722.9	716.4	717.6	717.2	722.7	726.7	733.4	734.6	741.0
82.5°	610.7	602.4	598.5	592.2	593.6	593.7	598.7	599.6	605.4	607.8	615.3
85°	437.2	440.5	431.7	432.3	430.4	433.9	437.2	441.4	446.3	454.3	460.4
87.5°	257.5	256.4	259.5	259.8	264.3	266.6	273.8	277.9	285.9	292.2	303.5
90°	123.9	119.4	121.5	119.8	123.7	122.1	125.8	123.4	127.9	128.1	134.0
92.5°	48.4	45.9	42.6	39.9	36.6	34.2	32.2	31.2	29.5	28.7	26.7
95°	65.3	61.0	56.6	52.3	48.0	43.6	42.0	40.4	38.8	37.3	35.6
97.5°	76.1	71.4	66.7	61.9	57.2	52.5	51.5	50.4	49.4	48.4	47.2
100°	108.9	99.9	90.8	81.8	72.8	63.7	62.9	62.0	61.2	60.4	59.4
102.5°	218.8	197.9	177.2	156.4	135.7	115.0	111.3	107.8	104.2	100.5	97.0
105°	400.1	366.8	333.6	300.5	267.3	234.0	224.2	214.1	204.2	194.3	184.6
107.5°	571.8	539.1	506.8	474.4	442.1	409.7	394.0	378.3	362.6	346.9	331.4
110°	658.1	638.5	619.2	599.4	580.0	560.6	545.6	530.7	515.6	500.6	485.8



TEST NUMBER: P1444828  
 CATALOG NUMBER: EHBR1-42-UNV-TA-L940-UPL18

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	668.4	658.5	648.3	638.6	628.8	618.9	611.6	604.2	596.9	589.5	582.1
115°	622.6	619.2	615.8	612.7	609.4	606.0	605.3	604.8	604.0	603.5	602.9
117.5°	546.2	546.6	546.7	547.0	547.3	547.7	551.3	554.9	558.7	562.5	566.5
120°	470.9	473.1	475.2	477.6	479.8	482.2	487.0	492.0	496.9	502.2	507.4
122.5°	408.3	409.6	410.9	412.3	413.7	415.2	419.9	424.8	429.6	434.6	439.9
125°	360.7	360.3	359.9	359.2	358.8	358.6	362.3	366.1	370.0	374.2	378.2
127.5°	329.2	327.4	325.6	324.0	322.2	320.7	322.5	324.6	326.6	328.9	331.1
130°	311.0	308.5	305.6	303.2	300.3	297.8	298.2	298.8	299.2	299.8	300.5
132.5°	301.2	298.2	295.2	292.3	289.1	286.3	285.6	285.0	284.3	284.0	283.7
135°	295.3	292.7	289.6	286.8	283.8	281.1	279.9	278.7	277.6	276.6	275.6
137.5°	292.3	289.9	287.5	285.2	282.7	280.3	278.7	277.4	276.0	275.0	273.7
140°	290.7	288.8	286.7	284.7	282.6	280.8	279.4	278.4	277.0	276.0	274.9
142.5°	290.0	288.5	286.9	285.5	283.8	282.3	281.0	279.9	278.7	277.7	276.6
145°	291.4	290.4	289.2	288.0	286.8	285.7	284.5	283.7	282.8	281.9	281.1
147.5°	291.2	290.4	289.6	288.7	287.7	286.9	286.0	285.5	284.5	284.1	283.3
150°	291.0	290.3	289.5	288.8	287.9	287.2	286.6	286.0	285.4	285.1	284.5
152.5°	289.6	288.9	288.3	287.6	286.8	286.1	285.5	285.2	284.6	284.2	283.7
155°	289.4	288.8	288.3	287.7	286.9	286.6	286.0	285.4	284.9	284.4	283.8
157.5°	290.4	289.8	289.3	288.9	288.2	287.7	287.1	286.7	286.0	285.6	285.1
160°	291.9	291.5	290.9	290.4	289.9	289.4	288.7	288.3	287.5	287.0	286.2
162.5°	294.7	294.0	293.6	293.0	292.3	291.8	291.2	290.7	290.2	289.7	289.1
165°	297.4	296.8	296.4	295.9	295.5	295.1	294.3	293.8	293.0	292.5	291.9
167.5°	301.4	301.0	300.5	300.2	299.5	299.1	298.6	298.0	297.4	296.8	296.0
170°	304.4	303.7	303.3	302.8	302.3	301.8	301.3	300.7	300.1	299.8	299.0
172.5°	307.7	307.4	307.0	306.6	306.0	305.7	305.4	304.9	304.5	304.0	303.5
175°	308.7	308.6	308.5	308.1	308.0	307.7	307.4	307.3	307.1	307.0	306.6
177.5°	310.2	310.1	310.1	309.9	309.7	309.7	309.5	309.4	309.1	308.8	308.7
180°	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1



TEST NUMBER: P1444828  
 CATALOG NUMBER: EHBR1-42-UNV-TA-L940-UPL18

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2
2.5°	33436.3	33427.8	33431.8	33416.2	33419.9	33401.0	33399.2	33377.9	33375.8	33355.7	33348.2
5°	34568.4	34549.8	34570.8	34538.1	34544.5	34501.8	34498.3	34443.2	34424.2	34355.4	34325.5
7.5°	35812.5	35805.6	35818.4	35791.0	35790.1	35752.1	35736.4	35687.1	35656.4	35584.1	35537.9
10°	36085.1	36091.6	36081.0	36083.7	36068.8	36064.7	36049.6	36040.0	36015.2	35996.4	35968.8
12.5°	34953.3	34960.1	34916.9	34944.3	34922.6	34973.1	34969.1	35028.6	35037.7	35113.1	35141.6
15°	32337.4	32329.2	32246.4	32298.7	32270.6	32381.5	32406.3	32555.4	32635.2	32826.6	32944.2
17.5°	28385.7	28364.3	28247.7	28311.2	28278.9	28442.4	28497.2	28735.7	28884.5	29192.9	29412.8
20°	23675.1	23634.2	23497.7	23572.1	23538.8	23724.4	23802.7	24091.0	24282.8	24691.4	24982.1
22.5°	18906.0	18841.4	18707.7	18777.2	18745.7	18938.0	19039.9	19329.1	19548.8	19968.3	20307.6
25°	14623.3	14565.8	14436.5	14485.1	14473.4	14636.2	14726.7	15000.3	15216.2	15615.8	15939.7
27.5°	11153.6	11093.7	10976.9	11011.3	10999.5	11138.1	11223.5	11452.1	11637.8	11974.2	12258.6
30°	8536.4	8464.2	8365.2	8384.2	8376.1	8488.4	8568.2	8760.5	8919.9	9204.1	9449.1
32.5°	6543.1	6470.6	6379.6	6388.5	6376.5	6464.6	6530.3	6697.7	6836.4	7078.2	7291.4
35°	5006.4	5091.2	4896.9	5020.0	4891.9	5080.0	5012.3	5116.9	5236.2	5440.0	5617.8
37.5°	3848.7	3789.6	3739.6	3734.3	3734.0	3777.6	3829.1	3929.9	4035.1	4186.7	4343.5
40°	3049.9	3008.5	2976.1	2973.7	2976.1	3007.1	3045.1	3114.8	3191.7	3300.7	3416.0
42.5°	2529.6	2502.1	2482.6	2481.3	2487.4	2509.4	2535.8	2577.1	2627.2	2697.9	2776.9
45°	2189.4	2174.1	2163.2	2162.6	2165.4	2177.0	2192.2	2217.9	2249.6	2293.7	2343.7
47.5°	1950.7	1947.0	1940.2	1940.4	1937.4	1942.0	1943.8	1958.2	1975.1	2008.3	2073.7
50°	1776.8	1776.8	1772.2	1771.9	1767.4	1767.2	1763.5	1769.2	1777.1	1797.7	1818.6
52.5°	1639.4	1639.0	1633.9	1632.9	1628.2	1628.0	1624.8	1627.0	1628.1	1638.5	1651.0
55°	1532.1	1528.8	1522.2	1520.1	1518.2	1520.9	1519.7	1519.9	1518.5	1522.8	1526.5
57.5°	1455.0	1450.9	1444.5	1442.7	1442.2	1445.4	1445.5	1444.4	1438.6	1434.6	1429.1
60°	1394.0	1389.8	1383.0	1381.4	1382.3	1386.8	1386.6	1382.8	1374.2	1366.6	1357.9
62.5°	1334.2	1332.4	1329.0	1328.5	1327.6	1328.3	1325.3	1321.4	1312.8	1304.8	1295.3
65°	1253.8	1254.6	1252.1	1252.5	1249.3	1248.9	1244.2	1240.4	1231.7	1224.5	1214.7
67.5°	1170.3	1171.0	1168.9	1168.9	1167.3	1167.5	1164.7	1161.1	1153.8	1147.9	1140.3
70°	1101.6	1103.3	1102.1	1102.5	1100.5	1099.8	1095.3	1091.9	1084.3	1079.4	1072.6
72.5°	1019.3	1022.9	1022.9	1023.7	1020.8	1019.3	1014.0	1009.6	1002.8	998.9	993.5
75°	930.4	935.2	936.6	938.6	934.4	932.2	926.4	923.0	917.4	915.1	911.5
77.5°	843.6	848.9	853.9	858.7	851.9	845.8	838.6	833.0	825.1	822.0	816.5
80°	746.2	755.6	766.8	776.2	763.9	751.7	739.6	730.8	720.3	716.0	709.1
82.5°	619.1	628.7	635.1	641.2	632.7	623.6	612.0	604.3	592.9	588.7	580.7
85°	470.3	482.3	486.1	489.3	483.9	479.1	468.2	453.5	446.4	435.2	429.3
87.5°	309.3	316.5	317.9	319.0	315.6	313.3	306.2	299.3	287.1	278.3	267.4
90°	132.9	136.9	133.3	134.3	130.8	132.0	125.8	124.2	114.9	111.9	103.8
92.5°	25.6	23.9	22.6	21.1	23.2	24.0	25.9	26.7	28.5	29.5	31.2
95°	34.0	32.4	30.8	29.3	30.6	31.8	33.1	34.4	35.6	36.9	38.2
97.5°	46.2	45.2	44.1	43.0	43.8	44.5	45.3	46.0	46.7	47.4	48.4
100°	58.6	57.8	56.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
102.5°	93.4	89.7	86.2	82.5	85.0	87.4	89.8	92.2	94.7	97.2	99.7
105°	174.7	164.8	154.9	145.1	154.6	164.2	173.7	183.3	192.8	202.5	212.0
107.5°	315.5	300.0	284.3	268.8	286.4	303.8	321.1	338.6	356.0	373.4	390.9
110°	470.9	456.0	441.1	426.3	444.8	463.2	481.7	500.1	518.7	537.2	555.9



TEST NUMBER: P1444828  
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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°	574.8	567.7	560.4	553.2	565.1	577.0	588.9	601.0	612.9	624.9	636.8
115°	602.4	601.9	601.6	601.1	606.7	612.4	618.0	623.6	629.5	635.1	640.9
117.5°	570.4	574.2	578.3	582.3	584.0	585.9	587.9	589.6	591.7	593.6	595.6
120°	512.6	517.6	523.0	528.4	527.7	526.9	526.4	525.6	525.4	524.7	524.4
122.5°	445.0	450.2	455.6	460.9	459.3	457.7	456.2	454.8	453.5	452.1	450.9
125°	382.5	386.7	391.2	395.7	394.1	392.5	391.0	389.8	388.5	387.1	386.2
127.5°	333.7	336.4	338.8	341.5	340.8	340.1	339.7	339.1	338.7	338.6	338.4
130°	301.4	302.3	303.6	304.6	304.8	305.0	305.7	306.1	306.8	307.3	308.4
132.5°	283.7	283.6	283.7	283.8	284.6	285.5	286.7	287.8	289.3	290.5	292.4
135°	275.0	274.4	274.0	273.6	274.9	276.0	277.5	279.1	280.9	282.8	284.9
137.5°	272.9	271.9	271.3	270.5	271.9	273.1	274.6	276.1	277.9	279.8	282.0
140°	274.2	273.3	272.9	272.1	273.4	274.6	276.1	277.6	279.4	281.3	283.3
142.5°	276.0	275.0	274.5	274.0	275.0	276.1	277.7	278.9	280.6	282.1	284.1
145°	280.4	279.7	279.4	278.9	279.6	280.4	281.5	282.5	283.8	284.9	286.5
147.5°	282.8	282.3	282.1	281.7	282.4	282.8	283.7	284.3	285.3	286.1	287.3
150°	284.3	283.9	283.6	283.4	283.8	284.1	284.6	284.9	285.5	286.1	287.0
152.5°	283.5	283.0	282.9	282.7	282.9	283.1	283.6	283.9	284.4	284.8	285.6
155°	283.5	283.1	282.8	282.4	282.4	282.4	282.6	282.5	282.9	282.9	283.3
157.5°	284.8	284.3	284.1	283.6	283.4	283.1	283.1	282.9	283.1	282.8	282.9
160°	285.9	285.2	284.7	284.2	284.2	283.9	284.1	283.8	283.8	283.8	283.9
162.5°	288.7	288.3	287.9	287.4	287.1	286.7	286.4	285.9	285.6	285.4	285.3
165°	291.2	290.6	290.1	289.5	289.3	289.0	288.8	288.5	288.3	288.1	288.2
167.5°	295.7	295.0	294.5	293.9	293.6	293.0	292.8	292.4	291.9	291.5	291.4
170°	298.6	298.0	297.7	297.2	297.0	296.6	296.5	296.2	296.0	295.9	295.9
172.5°	303.2	302.7	302.4	302.0	301.9	301.6	301.5	301.3	301.1	301.1	300.9
175°	306.5	306.2	306.1	305.9	305.7	305.6	305.3	305.2	305.1	304.8	304.6
177.5°	308.5	308.1	308.0	307.9	307.8	307.8	307.8	307.8	307.8	307.7	307.5
180°	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1



TEST NUMBER: P1444828  
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**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2
2.5°	33326.5	33317.8	33294.7	33283.3	33262.0	33251.3	33234.6	33223.9	33210.4	33200.4	33195.2
5°	34249.9	34207.3	34121.9	34069.3	33977.1	33916.4	33824.8	33757.6	33663.1	33593.3	33503.9
7.5°	35451.3	35385.9	35276.5	35193.5	35064.5	34965.9	34821.1	34705.3	34545.3	34412.5	34249.1
10°	35940.4	35902.2	35853.1	35799.8	35728.2	35658.2	35559.2	35458.5	35324.3	35190.7	35016.1
12.5°	35217.5	35253.4	35324.3	35357.3	35411.5	35429.9	35454.7	35443.2	35421.2	35366.6	35287.5
15°	33170.1	33320.1	33557.1	33721.1	33950.8	34112.1	34325.5	34463.0	34621.3	34715.8	34805.6
17.5°	29802.3	30092.4	30510.6	30844.4	31292.3	31656.5	32102.7	32453.3	32858.1	33168.6	33499.3
20°	25488.7	25895.0	26472.3	26962.7	27611.7	28162.2	28867.2	29458.0	30147.0	30721.4	31341.3
22.5°	20846.1	21324.0	21985.5	22576.9	23352.1	24044.3	24927.8	25708.9	26640.3	27474.8	28398.0
25°	16466.3	16934.7	17608.6	18220.9	19057.6	19820.3	20785.5	21681.4	22762.4	23770.5	24927.8
27.5°	12710.4	13126.4	13718.9	14270.0	15036.4	15785.1	16764.6	17720.0	18873.5	19956.8	21204.0
30°	9816.0	10153.5	10628.1	11071.6	11686.8	12299.1	13171.6	14055.2	15203.0	16325.6	17604.2
32.5°	7607.1	7894.9	8291.1	8651.1	9125.1	9586.8	10229.3	10935.4	11942.2	13017.5	14253.8
35°	5888.7	6134.9	6472.1	6782.3	7172.1	7538.6	8018.0	8522.0	9290.4	10194.9	11301.3
37.5°	4694.8	4795.2	5035.9	5290.0	5613.7	5914.9	6290.0	6662.7	7212.3	7926.0	8829.9
40°	3570.3	3729.7	3925.7	4125.7	4370.9	4612.5	5023.9	5222.1	5584.0	6096.3	6797.8
42.5°	2880.8	2992.9	3130.8	3269.9	3440.8	3609.0	3817.1	4029.1	4299.6	4646.7	5145.7
45°	2410.7	2483.9	2572.7	2665.4	2777.6	2892.4	3031.8	3177.3	3360.6	3574.0	3877.0
47.5°	2096.7	2137.1	2195.1	2258.4	2335.4	2414.8	2505.4	2598.1	2712.0	2838.6	3011.2
50°	1851.6	1885.3	1930.3	1972.7	2025.7	2107.2	2143.2	2194.3	2262.9	2337.3	2433.8
52.5°	1674.2	1696.6	1724.8	1749.2	1782.8	1813.3	1853.2	1888.5	1936.0	1980.7	2043.0
55°	1536.0	1544.2	1560.2	1575.9	1599.1	1619.9	1647.3	1670.4	1700.7	1727.5	1766.8
57.5°	1429.3	1430.1	1437.5	1445.6	1460.6	1473.7	1492.6	1507.8	1528.7	1545.8	1569.4
60°	1352.7	1348.7	1350.1	1352.9	1361.3	1369.9	1381.9	1391.8	1405.0	1414.7	1427.8
62.5°	1288.8	1282.5	1281.0	1280.3	1284.5	1287.5	1294.1	1298.9	1306.4	1310.6	1317.6
65°	1208.3	1200.7	1197.8	1194.3	1195.6	1194.6	1197.1	1197.2	1201.0	1201.8	1205.9
67.5°	1135.2	1128.9	1125.1	1120.4	1118.3	1114.9	1113.5	1110.2	1109.8	1107.1	1106.4
70°	1068.5	1062.4	1059.2	1054.8	1052.6	1048.2	1045.5	1040.0	1036.8	1031.7	1028.9
72.5°	991.4	987.9	986.9	984.0	983.3	980.7	979.6	975.8	973.6	969.3	966.8
75°	910.8	907.9	907.7	904.7	904.4	901.6	900.8	896.7	894.6	890.3	888.4
77.5°	814.7	810.5	809.3	805.9	806.7	805.2	806.4	803.4	802.1	797.7	796.4
80°	706.6	701.2	698.9	694.4	695.6	693.5	695.6	695.4	697.0	693.5	692.9
82.5°	578.5	572.5	571.4	568.2	570.4	570.5	575.1	572.7	573.6	570.4	571.8
85°	420.9	416.5	410.3	409.5	405.5	409.6	404.2	407.9	402.1	406.1	400.7
87.5°	261.0	251.8	247.0	240.5	238.0	231.7	229.1	224.5	225.9	223.8	225.0
90°	102.5	95.3	94.5	89.0	89.4	84.8	86.4	83.3	85.6	82.5	85.0
92.5°	32.2	33.6	36.1	39.0	41.3	43.8	46.3	49.2	51.4	54.3	56.6
95°	39.4	40.7	44.1	47.5	50.9	54.3	57.9	61.3	64.7	68.1	71.5
97.5°	49.1	49.8	53.2	56.6	60.0	63.4	66.8	70.4	73.8	77.2	80.6
100°	56.1	56.2	65.9	75.5	85.2	95.0	104.6	114.3	124.2	133.8	143.5
102.5°	102.1	104.5	128.9	153.4	177.9	202.3	226.9	251.4	275.8	300.4	325.0
105°	221.6	231.3	268.6	306.0	343.1	380.5	417.9	455.4	492.7	530.1	567.5
107.5°	408.3	425.9	459.7	493.4	527.0	560.9	594.9	628.6	662.3	696.2	730.2
110°	574.4	592.9	615.4	638.3	661.0	683.6	706.4	729.1	751.9	774.8	797.7



TEST NUMBER: P1444828  
 CATALOG NUMBER: EHBR1-42-UNV-TA-L940-UPL18

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	648.7	660.9	674.0	687.5	700.8	714.2	727.5	740.9	754.4	768.0	781.4
115°	646.8	652.7	657.8	663.2	668.5	674.0	679.4	684.9	690.5	696.0	701.6
117.5°	597.6	599.9	600.7	601.9	603.0	604.4	605.4	606.8	608.2	609.6	610.7
120°	524.0	523.6	523.0	522.6	522.0	521.6	521.3	521.0	520.8	520.6	520.3
122.5°	449.7	448.8	448.2	447.8	447.6	447.4	447.2	447.2	447.1	446.9	446.8
125°	385.0	384.2	385.4	386.6	388.0	389.3	390.7	392.3	393.7	395.2	396.8
127.5°	338.2	338.3	340.7	343.3	345.8	348.5	351.2	354.1	356.6	359.6	362.1
130°	309.3	310.3	313.3	316.8	319.7	323.1	326.5	330.0	333.1	336.4	339.7
132.5°	293.7	295.7	298.7	301.9	305.0	308.3	311.4	314.8	318.1	321.3	324.4
135°	286.9	289.3	292.1	295.1	298.0	301.1	304.1	307.3	310.0	313.2	316.0
137.5°	284.0	286.2	288.7	291.2	293.7	296.4	298.8	301.4	303.8	306.4	308.8
140°	285.3	287.6	289.1	291.0	292.5	294.3	295.8	297.7	299.2	301.0	302.5
142.5°	285.8	288.1	288.9	290.3	291.4	293.0	294.2	295.5	296.5	297.8	298.8
145°	287.8	289.5	289.9	290.5	291.0	291.7	292.1	292.7	293.1	293.6	293.9
147.5°	288.4	289.7	289.8	290.1	290.5	290.6	291.0	291.2	291.3	291.5	291.8
150°	287.6	288.6	288.3	288.6	288.4	288.5	288.3	288.4	288.3	288.3	288.2
152.5°	286.2	286.9	286.4	286.6	286.2	286.1	285.7	285.7	285.4	285.3	285.2
155°	283.4	283.8	283.6	283.4	283.2	283.1	282.8	283.0	283.0	282.8	282.9
157.5°	282.9	282.9	282.8	282.8	282.5	282.6	282.4	282.4	282.4	282.7	282.8
160°	283.7	283.8	283.6	283.5	283.4	283.3	283.1	283.2	283.3	283.7	283.9
162.5°	284.9	284.8	284.5	284.4	284.3	284.4	284.3	284.6	284.6	284.9	285.2
165°	288.2	288.3	287.8	287.8	287.6	287.5	287.3	287.4	287.6	287.7	287.9
167.5°	291.2	291.1	291.1	291.2	291.2	291.4	291.5	292.0	292.2	292.6	292.7
170°	295.8	295.9	295.7	295.7	295.5	295.5	295.6	295.6	295.7	295.8	295.9
172.5°	300.9	300.9	300.7	300.5	300.3	300.3	300.0	300.0	299.8	299.7	299.5
175°	304.5	304.4	304.3	304.2	304.1	303.9	303.7	303.3	303.3	303.2	303.1
177.5°	307.4	307.2	307.1	307.1	307.0	306.8	306.8	306.7	306.7	306.7	306.4
180°	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1



TEST NUMBER: P1444828  
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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°	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2
2.5°	33188.6	33188.2	33184.9	33186.4	33187.1	33189.4	33192.2	33195.2	33195.8	33198.2	33198.6
5°	33436.9	33354.8	33294.1	33227.3	33177.0	33131.8	33101.7	33077.8	33068.6	33070.9	33076.5
7.5°	34110.4	33941.0	33801.0	33642.1	33509.5	33369.1	33252.8	33142.1	33061.5	33001.4	32967.9
10°	34849.5	34643.1	34445.5	34215.4	33997.2	33764.2	33553.3	33340.9	33163.7	33009.9	32897.0
12.5°	35177.4	35031.6	34860.9	34643.7	34410.1	34141.4	33870.0	33579.0	33308.4	33057.2	32854.6
15°	34830.2	34830.5	34768.3	34664.0	34501.8	34287.1	34028.4	33725.1	33405.9	33080.1	32782.6
17.5°	33727.9	33935.8	34051.6	34124.8	34102.2	34023.1	33858.6	33625.6	33328.0	32981.0	32617.8
20°	31834.9	32325.4	32675.1	32989.7	33165.9	33283.1	33271.4	33176.6	32964.6	32669.5	32291.3
22.5°	29183.1	30006.4	30656.1	31261.9	31686.8	32032.5	32196.8	32266.5	32170.5	31964.9	31609.8
25°	25962.2	27081.6	28036.9	28964.1	29659.7	30257.3	30616.6	30869.6	30889.7	30782.4	30465.5
27.5°	22383.2	23704.6	24913.7	26145.9	27124.0	27983.3	28547.0	28959.7	29090.8	29073.5	28785.8
30°	18808.7	20195.9	21528.7	22965.6	24175.9	25273.7	26018.4	26576.5	26791.5	26832.8	26556.0
32.5°	15433.0	16801.0	18130.1	19632.3	20964.2	22222.3	23102.2	23765.1	24015.1	24074.1	23770.5
35°	12369.4	13631.5	14894.5	16350.4	17674.6	18977.4	19904.6	20598.6	20832.2	20871.6	20520.1
37.5°	9712.6	10787.9	11888.5	13194.8	14410.9	15634.4	16515.3	17167.6	17337.7	17327.2	16929.5
40°	7475.6	8311.6	9196.0	10271.4	11282.4	12316.7	13060.6	13599.8	13689.2	13623.0	13205.1
42.5°	5621.3	6225.1	6866.2	7668.9	8419.1	9193.2	9734.4	10134.7	10147.5	10042.8	9667.8
45°	4187.8	4776.9	5045.8	5531.2	6014.3	6529.1	6859.5	7106.8	7068.5	6976.4	6691.5
47.5°	3192.5	3418.9	3659.0	3960.0	4241.4	4825.6	4782.2	5179.3	4893.3	5088.4	4659.1
50°	2535.2	2661.7	2791.0	2950.8	3097.8	3250.5	3345.9	3417.2	3408.0	3377.3	3295.0
52.5°	2156.9	2196.0	2259.6	2350.5	2432.6	2515.2	2569.5	2613.6	2614.6	2602.2	2560.6
55°	1802.6	1852.3	1898.0	1957.5	2058.6	2074.1	2152.0	2136.2	2142.4	2120.8	2142.9
57.5°	1589.4	1618.3	1644.0	1679.3	1708.5	1742.6	1762.8	1782.1	1780.3	1776.1	1754.8
60°	1438.3	1454.2	1468.5	1489.1	1505.2	1524.5	1533.7	1543.6	1540.3	1533.2	1514.3
62.5°	1321.7	1331.7	1339.9	1353.2	1362.9	1374.9	1379.8	1384.0	1379.8	1373.0	1356.3
65°	1206.8	1213.2	1218.4	1228.4	1235.3	1245.5	1249.6	1253.5	1249.7	1244.4	1231.7
67.5°	1103.1	1103.7	1103.3	1107.3	1109.4	1115.6	1117.4	1120.2	1115.8	1111.3	1100.5
70°	1024.4	1022.9	1020.9	1022.5	1022.9	1025.8	1026.3	1025.8	1020.5	1012.6	1000.9
72.5°	962.9	962.1	960.6	962.0	962.0	964.7	963.9	962.5	956.0	948.3	936.7
75°	883.9	883.4	880.4	880.5	878.1	878.9	875.7	873.9	866.6	860.2	849.8
77.5°	791.5	790.0	785.7	784.1	779.4	777.5	771.4	768.4	761.1	755.8	747.0
80°	688.3	686.7	681.1	678.1	670.7	665.9	657.1	652.1	643.5	638.5	629.8
82.5°	569.0	569.6	564.0	560.2	549.6	541.4	529.5	523.1	513.8	508.9	499.9
85°	404.6	398.8	401.9	401.7	395.0	388.0	378.3	371.5	363.6	359.0	352.7
87.5°	221.9	223.3	221.7	220.3	215.7	212.0	204.6	200.6	194.8	191.9	187.3
90°	78.4	77.2	70.9	70.0	63.8	60.8	53.7	51.6	45.0	43.8	39.3
92.5°	53.7	50.9	48.3	45.1	42.6	39.7	36.8	34.0	31.1	29.9	29.2
95°	67.4	63.3	59.2	55.0	50.9	46.7	42.7	38.5	34.4	33.5	32.7
97.5°	75.9	71.0	66.1	61.4	56.5	51.6	46.9	41.9	37.1	36.5	36.1
100°	132.4	121.2	110.0	98.8	87.6	76.3	65.3	54.0	42.9	42.2	41.6
102.5°	297.7	270.5	243.3	216.2	189.2	161.9	134.8	107.6	80.4	76.5	72.6
105°	526.4	485.2	444.3	403.1	362.0	320.9	279.9	238.6	197.4	184.3	171.0
107.5°	691.7	652.9	614.5	575.9	537.2	498.7	460.0	421.4	382.6	359.3	336.2
110°	767.1	736.5	706.1	675.4	644.9	614.3	583.8	553.0	522.5	502.4	482.6



TEST NUMBER: P1444828  
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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°	759.1	736.8	714.8	692.3	670.1	647.7	625.4	603.1	580.5	568.6	556.6
115°	688.5	675.2	662.0	648.7	635.4	622.2	608.8	595.3	581.9	575.7	569.5
117.5°	604.4	597.7	591.3	584.7	578.1	571.3	564.8	558.0	551.3	549.4	547.3
120°	518.9	517.2	515.4	513.7	512.0	510.4	508.5	506.6	504.7	505.3	506.0
122.5°	448.2	449.4	450.9	451.9	453.3	454.4	455.9	456.7	457.9	460.0	462.2
125°	399.4	401.8	404.4	406.8	409.3	411.8	414.3	416.5	419.1	421.1	423.5
127.5°	365.2	367.9	370.8	373.5	376.4	379.1	381.9	384.5	387.2	389.2	391.6
130°	342.4	344.8	347.5	349.8	352.4	355.0	357.4	359.9	362.3	364.2	366.0
132.5°	326.8	329.2	331.6	333.7	336.1	338.4	340.7	342.9	345.5	346.9	348.5
135°	318.1	319.7	321.7	323.4	325.6	327.3	329.2	331.2	333.2	334.5	335.8
137.5°	310.4	312.0	313.7	315.2	316.9	318.4	320.2	321.9	323.8	324.7	326.0
140°	304.1	305.8	307.3	308.9	310.7	312.3	314.2	316.0	318.0	318.9	320.1
142.5°	300.3	301.3	302.7	304.0	305.5	306.8	308.5	310.1	311.7	312.8	313.8
145°	295.4	296.8	298.3	299.6	301.1	302.8	304.6	306.3	308.2	309.0	309.9
147.5°	292.9	294.0	295.4	296.7	298.0	299.2	301.0	302.6	304.3	305.1	305.9
150°	289.5	290.6	291.8	293.1	294.6	296.1	297.7	299.2	301.2	302.1	303.1
152.5°	286.4	287.6	288.9	290.4	291.9	293.5	295.2	296.9	298.8	299.5	300.5
155°	284.2	285.4	286.8	288.3	289.9	291.2	292.9	294.5	296.3	297.2	298.0
157.5°	284.1	285.1	286.5	287.8	289.2	290.5	292.2	293.5	295.1	295.9	296.5
160°	285.0	286.0	287.2	288.4	289.7	291.0	292.3	293.6	295.0	295.7	296.4
162.5°	286.4	287.5	288.7	289.6	291.0	292.4	293.7	294.8	296.2	296.8	297.6
165°	288.8	289.7	290.8	291.5	292.6	293.4	294.6	295.4	296.6	297.1	297.9
167.5°	293.7	294.2	294.9	295.6	296.5	297.3	298.2	299.0	299.8	300.5	301.0
170°	296.4	297.1	297.7	298.4	299.1	299.8	300.5	301.0	301.9	302.4	303.0
172.5°	299.9	300.2	300.7	301.0	301.6	301.9	302.4	303.0	303.4	304.0	304.4
175°	303.4	303.5	303.7	303.8	304.1	304.4	304.6	305.0	305.2	305.6	306.0
177.5°	306.5	306.6	306.8	306.9	307.3	307.3	307.6	307.7	308.0	308.3	308.7
180°	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1



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**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2
2.5°	33197.5	33197.1	33196.0	33194.6	33193.1	33194.0	33195.5	33199.3	33205.9	33215.6	33228.2
5°	33081.1	33087.8	33091.7	33092.1	33088.7	33086.6	33089.8	33098.9	33117.3	33148.1	33189.9
7.5°	32958.8	32967.2	32980.1	32989.7	32991.5	32989.2	32989.7	33004.0	33037.9	33098.0	33182.3
10°	32828.3	32803.5	32816.6	32840.5	32859.5	32863.1	32865.4	32882.2	32931.9	33022.7	33158.2
12.5°	32707.8	32629.3	32614.1	32635.7	32664.6	32673.9	32671.3	32678.6	32736.7	32857.0	33045.7
15°	32549.4	32401.6	32351.1	32356.6	32392.3	32405.1	32395.7	32381.5	32438.1	32584.9	32829.2
17.5°	32292.8	32054.6	31961.8	31957.7	31999.4	32010.5	31987.6	31943.1	31999.0	32182.1	32485.4
20°	31902.9	31551.2	31376.3	31348.6	31393.9	31380.7	31334.9	31267.7	31341.1	31563.8	31924.5
22.5°	31201.8	30756.2	30457.5	30361.3	30415.5	30379.3	30312.6	30226.8	30324.1	30577.2	30978.9
25°	30056.3	29541.4	29132.6	28903.2	28946.4	28881.6	28808.9	28704.9	28821.1	29111.6	29553.8
27.5°	28372.5	27777.8	27271.1	26891.4	26905.4	26820.4	26736.7	26602.2	26747.3	27091.0	27589.8
30°	26133.5	25445.3	24828.3	24312.3	24266.1	24183.7	24098.0	23921.5	24103.0	24514.5	25097.3
32.5°	23321.7	22557.6	21844.7	21192.2	21069.2	20988.9	20912.4	20709.2	20946.8	21426.6	22096.2
35°	20033.4	19219.4	18446.5	17701.4	17497.4	17417.1	17350.3	17155.6	17452.1	17974.3	18697.5
37.5°	16424.0	15592.5	14825.1	14061.0	13772.9	13663.9	13615.3	13487.9	13829.9	14346.4	15072.5
40°	12718.5	11945.5	11257.4	10582.6	10254.2	10087.4	10062.0	10038.7	10369.4	10817.5	11476.6
42.5°	9252.3	8628.5	8098.0	7582.2	7284.5	7056.8	7056.7	7125.8	7423.5	7759.2	8267.4
45°	6400.0	5981.4	5643.4	5298.8	5391.0	4936.9	5203.6	5066.8	5213.9	5430.3	5760.7
47.5°	4399.4	4170.9	3985.3	3792.7	3652.3	3518.3	3530.0	3616.5	3755.0	3883.4	4055.4
50°	3206.4	3090.1	2995.5	2895.5	2825.6	2766.5	2770.0	2807.3	2880.2	2947.8	3037.8
52.5°	2512.5	2448.3	2396.9	2341.6	2305.0	2275.5	2277.1	2295.3	2334.7	2373.4	2425.0
55°	2070.9	2063.1	1996.3	1946.7	1927.9	1908.1	1911.6	1918.8	1945.6	1968.2	2002.4
57.5°	1735.4	1705.4	1685.3	1659.2	1647.2	1633.5	1636.5	1639.2	1657.1	1672.3	1696.9
60°	1498.5	1477.2	1463.1	1445.3	1437.3	1428.6	1430.6	1432.2	1443.7	1453.6	1471.2
62.5°	1341.1	1322.1	1309.7	1296.0	1290.5	1284.6	1286.0	1286.4	1293.6	1300.9	1314.2
65°	1220.4	1205.3	1195.0	1183.2	1177.4	1171.3	1171.8	1171.8	1177.9	1183.2	1193.3
67.5°	1092.7	1081.4	1074.7	1065.3	1061.3	1055.1	1055.0	1052.9	1057.0	1059.0	1065.8
70°	990.2	978.8	970.3	961.3	956.3	950.7	950.9	951.0	955.6	960.4	969.2
72.5°	927.0	916.0	908.4	900.5	895.9	891.1	890.3	889.8	893.1	895.7	901.6
75°	843.1	834.4	829.9	822.5	818.8	813.5	812.7	810.2	811.7	812.3	816.6
77.5°	741.4	733.1	729.6	722.0	719.0	712.9	712.4	709.6	710.9	710.0	713.4
80°	625.5	618.0	616.0	609.9	608.4	602.8	601.9	598.6	599.6	597.0	598.2
82.5°	496.1	489.2	487.7	482.0	482.0	477.0	476.7	471.7	471.7	467.3	460.4
85°	349.5	344.4	342.3	337.6	336.2	332.2	330.1	325.2	323.6	320.5	319.5
87.5°	184.5	181.2	178.4	176.2	172.1	164.8	164.2	159.1	159.5	155.9	156.1
90°	38.6	34.5	33.9	30.2	29.3	26.7	26.1	26.0	26.5	26.5	27.1
92.5°	28.2	27.3	26.3	25.3	24.4	23.4	22.5	23.4	24.4	25.3	26.3
95°	31.9	31.0	30.1	29.3	28.4	27.6	26.7	27.6	28.4	29.4	30.3
97.5°	35.5	34.9	34.5	33.9	33.4	32.9	32.3	33.1	33.5	34.1	34.7
100°	41.0	40.3	39.7	39.0	38.5	37.8	37.2	38.0	38.7	39.2	39.9
102.5°	68.7	64.7	60.8	56.9	52.9	49.0	45.1	49.0	52.9	57.1	61.0
105°	157.7	144.7	131.4	118.1	104.9	91.6	78.4	91.7	105.0	118.2	131.5
107.5°	312.8	289.7	266.4	243.2	219.7	196.5	173.1	196.7	220.0	243.3	266.6
110°	462.5	442.4	422.4	402.3	382.2	362.1	342.0	362.2	382.4	402.6	422.8



TEST NUMBER: P1444828  
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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°	544.4	532.3	520.0	508.0	495.7	483.6	471.3	483.9	496.2	508.6	520.8
115°	563.3	556.8	550.7	544.4	537.8	531.6	525.0	532.0	538.5	545.1	551.7
117.5°	545.2	543.2	541.2	539.1	536.9	534.9	532.5	535.0	537.5	540.3	542.4
120°	506.3	507.1	507.6	507.9	508.4	508.8	509.1	509.2	509.2	509.2	509.1
122.5°	464.1	466.2	468.2	470.1	471.9	473.8	475.4	474.3	472.9	471.7	470.1
125°	425.5	427.9	429.9	431.9	433.9	436.0	437.5	436.6	435.2	433.8	432.2
127.5°	393.5	395.6	397.4	399.7	401.3	403.1	404.6	403.9	402.7	401.5	400.0
130°	367.6	369.7	371.1	372.8	374.1	375.5	376.7	376.2	375.5	375.0	373.9
132.5°	350.0	351.6	353.1	354.4	355.5	356.7	357.5	357.5	357.1	356.7	356.0
135°	337.1	338.3	339.5	340.8	341.6	342.5	342.9	343.3	343.2	343.1	342.7
137.5°	326.8	327.9	328.8	329.6	330.2	330.7	331.0	331.6	331.8	332.3	332.1
140°	321.0	322.1	323.0	323.8	324.5	325.2	325.3	326.1	326.3	326.5	326.4
142.5°	314.8	315.8	316.8	317.7	318.2	318.8	319.1	319.6	319.8	320.1	320.0
145°	310.9	311.5	312.4	313.1	313.6	314.0	314.1	314.8	315.2	315.5	315.7
147.5°	306.7	307.5	308.2	308.7	309.2	309.6	309.9	310.3	310.9	311.2	311.4
150°	304.0	304.8	305.6	306.4	307.0	307.4	307.6	308.2	308.5	308.7	308.7
152.5°	301.3	302.0	302.8	303.3	304.0	304.5	304.7	305.2	305.7	306.0	306.0
155°	298.8	299.7	300.5	301.2	301.7	302.2	302.8	303.3	303.6	303.9	304.1
157.5°	297.3	298.2	298.8	299.5	300.1	300.8	301.3	301.9	302.2	302.8	303.0
160°	297.0	297.9	298.4	299.2	299.8	300.4	300.9	301.5	301.9	302.3	302.9
162.5°	298.1	298.9	299.2	300.0	300.6	301.3	301.8	302.4	302.9	303.3	303.7
165°	298.6	299.3	300.0	300.7	301.5	302.1	302.6	303.2	303.4	303.8	304.1
167.5°	301.6	302.3	302.9	303.5	304.0	304.7	305.3	305.8	306.0	306.3	306.5
170°	303.4	304.1	304.7	305.2	305.8	306.3	306.7	307.0	307.3	307.5	307.8
172.5°	304.9	305.6	306.0	306.7	307.3	307.8	308.3	308.6	308.6	308.6	308.5
175°	306.2	306.8	307.2	307.6	307.9	308.5	308.9	308.8	308.9	308.8	308.9
177.5°	309.1	309.7	310.1	310.4	310.9	311.3	311.6	311.4	311.1	311.0	310.7
180°	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1



TEST NUMBER: P1444828  
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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°	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2
2.5°	33246.0	33262.6	33288.1	33311.1	33345.8	33373.2	33414.3	33445.5	33492.0	33522.1	33572.6
5°	33248.9	33314.0	33399.5	33483.0	33583.3	33674.4	33787.6	33884.0	33997.8	34090.7	34207.0
7.5°	33295.9	33421.4	33571.7	33723.1	33894.5	34054.7	34235.4	34398.8	34577.4	34728.6	34893.8
10°	33330.6	33524.1	33745.6	33968.5	34203.2	34421.2	34641.4	34831.6	35009.4	35155.6	35284.9
12.5°	33283.6	33550.1	33834.4	34108.9	34369.9	34595.5	34784.9	34931.2	35032.2	35100.7	35116.7
15°	33123.7	33444.4	33753.5	34027.0	34243.5	34410.5	34496.9	34537.4	34494.0	34421.9	34263.4
17.5°	32825.1	33163.3	33439.7	33655.4	33769.8	33815.1	33743.6	33619.0	33375.6	33105.4	32715.1
20°	32277.6	32592.8	32793.3	32910.9	32880.3	32767.1	32496.7	32168.1	31682.2	31164.2	30480.6
22.5°	31317.4	31592.9	31699.7	31708.5	31521.7	31238.3	30750.6	30187.0	29420.2	28623.2	27642.9
25°	29875.9	30117.2	30134.2	30039.3	29697.5	29238.2	28522.2	27724.9	26683.1	25620.9	24392.5
27.5°	27921.0	28152.6	28095.8	27919.0	27444.4	26829.8	25913.2	24883.1	23598.7	22344.2	20985.3
30°	25463.6	25711.2	25644.7	25417.7	24853.3	24126.9	23048.3	21851.6	20425.5	19085.7	17708.6
32.5°	22522.8	22835.8	22789.8	22574.2	21985.3	21207.8	20037.5	18768.2	17309.2	15988.8	14649.4
35°	19180.3	19560.2	19579.8	19438.9	18892.1	18123.7	16968.0	15739.5	14341.9	13096.1	11858.7
37.5°	15579.0	16019.5	16109.9	16071.9	15618.8	14940.4	13887.5	12785.3	11547.3	10455.5	9397.1
40°	11957.8	12403.6	12558.3	12604.2	12269.9	11744.4	10880.2	9990.7	8981.4	8096.7	7256.4
42.5°	8655.4	9050.7	9200.2	9294.2	9085.5	8735.1	8104.8	7458.8	6719.3	6081.2	5469.4
45°	6011.3	6290.9	6404.7	6499.3	6385.6	6188.0	5789.9	5385.8	4897.8	4480.7	4086.0
47.5°	4202.9	4357.1	4432.1	4478.0	4434.0	4330.9	4114.2	3880.2	3604.7	3361.0	3126.7
50°	3115.2	3197.3	3236.5	3263.1	3231.0	3173.7	3056.4	2929.1	2777.7	2639.7	2504.8
52.5°	2468.8	2515.8	2539.1	2553.5	2535.0	2500.0	2431.7	2356.1	2265.5	2180.1	2135.3
55°	2079.8	2077.3	2131.2	2105.2	2131.2	2073.1	2060.9	1977.8	1902.5	1849.4	1792.0
57.5°	1715.2	1739.6	1749.9	1761.6	1754.0	1743.4	1714.4	1684.6	1644.9	1611.7	1576.3
60°	1484.7	1504.8	1516.2	1527.6	1526.9	1523.0	1506.1	1488.4	1463.5	1443.7	1422.2
62.5°	1325.9	1343.3	1354.5	1365.5	1366.5	1365.0	1352.2	1339.9	1322.9	1310.5	1295.6
65°	1201.0	1213.2	1220.8	1229.6	1229.1	1226.8	1215.3	1205.1	1191.1	1182.4	1171.6
67.5°	1070.3	1079.5	1085.5	1093.8	1095.3	1095.8	1089.6	1084.7	1077.9	1075.4	1071.8
70°	977.3	988.6	998.1	1008.5	1014.2	1016.9	1014.2	1011.8	1007.8	1006.1	1003.2
72.5°	907.0	916.5	923.8	933.3	938.6	942.5	940.4	939.0	935.6	935.1	933.1
75°	819.6	826.1	830.3	837.5	840.3	843.9	842.3	843.1	842.0	844.7	844.6
77.5°	714.5	719.3	721.3	726.5	727.0	731.2	732.3	737.3	740.9	748.9	753.0
80°	596.3	599.3	599.3	604.6	607.0	614.2	617.7	626.0	629.8	636.9	637.4
82.5°	463.1	459.6	463.1	461.0	467.7	475.9	477.0	484.0	485.7	490.0	486.6
85°	316.7	316.4	313.6	314.1	311.9	312.9	311.7	313.0	311.8	311.9	308.7
87.5°	151.7	153.1	149.7	150.8	147.7	149.2	146.3	148.5	145.2	145.7	140.8
90°	27.4	27.9	28.1	28.7	29.7	31.2	33.1	34.7	36.9	38.4	40.3
92.5°	27.3	28.3	29.3	30.3	31.2	34.1	36.9	39.8	42.9	45.5	48.4
95°	31.2	32.0	32.9	33.9	34.8	38.8	43.0	47.1	51.3	55.4	59.6
97.5°	35.3	35.9	36.4	36.9	37.6	42.5	47.4	52.3	57.1	62.0	66.7
100°	40.7	41.4	41.9	42.7	43.3	54.6	65.9	77.0	88.3	99.5	110.8
102.5°	65.0	68.9	72.9	77.1	81.1	108.4	135.6	162.9	189.9	217.1	244.3
105°	144.9	158.1	171.6	184.9	198.2	239.4	280.7	322.0	363.0	404.1	445.4
107.5°	290.1	313.4	336.9	360.2	383.6	422.4	461.2	499.8	538.7	577.3	615.9
110°	443.2	463.1	483.5	503.7	523.9	554.4	585.4	615.9	646.7	677.3	708.0



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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°	533.3	545.5	557.8	569.8	582.1	604.6	627.3	649.7	672.4	694.4	717.0
115°	558.2	564.5	571.1	577.3	584.0	597.6	611.0	624.5	638.0	651.3	664.8
117.5°	544.7	547.1	549.5	551.3	553.7	560.5	567.4	574.2	581.1	587.9	594.7
120°	509.1	508.7	508.4	507.9	507.7	509.5	511.7	513.5	515.6	517.4	519.2
122.5°	468.5	466.7	465.1	463.2	461.4	460.2	459.4	458.2	457.4	456.2	455.2
125°	430.6	428.7	427.0	424.9	423.0	420.7	418.5	416.2	413.8	411.5	409.2
127.5°	398.8	397.0	395.5	393.5	391.8	389.1	386.5	383.9	381.4	378.7	376.1
130°	373.0	371.6	370.5	368.7	367.5	364.9	362.8	360.4	358.0	355.6	353.3
132.5°	355.3	354.3	353.4	352.0	351.0	348.6	346.8	344.3	342.2	340.1	338.0
135°	342.3	341.5	341.0	340.0	339.1	337.3	335.7	333.8	332.1	330.3	328.6
137.5°	332.0	331.5	331.2	330.6	330.1	328.4	327.0	325.5	324.1	322.4	321.0
140°	326.3	325.9	325.6	325.1	324.5	322.9	321.4	319.8	318.3	316.8	315.3
142.5°	319.8	319.6	319.4	318.8	318.3	316.9	316.0	314.7	313.4	312.2	311.0
145°	315.6	315.5	315.5	315.1	315.0	313.5	312.3	310.8	309.7	308.2	307.0
147.5°	311.5	311.4	311.4	311.4	311.4	310.1	309.2	307.9	307.0	305.9	304.9
150°	308.8	308.7	308.8	308.6	308.4	307.3	306.4	305.3	304.5	303.2	302.3
152.5°	306.2	306.3	306.4	306.4	306.5	305.6	304.6	303.5	302.5	301.4	300.4
155°	304.4	304.5	304.6	304.6	304.6	303.8	303.0	301.9	301.1	300.1	299.2
157.5°	303.3	303.5	303.7	303.9	304.0	303.3	302.5	301.8	301.0	300.2	299.4
160°	303.1	303.4	303.7	303.8	304.1	303.4	303.1	302.2	301.9	300.9	300.2
162.5°	304.1	304.5	304.7	304.8	305.1	304.5	304.0	303.4	302.8	301.9	301.3
165°	304.4	304.5	304.7	304.7	304.9	304.5	304.2	303.7	303.3	302.8	302.4
167.5°	306.7	306.8	307.1	307.1	307.3	307.0	307.0	306.5	306.1	305.9	305.5
170°	307.9	308.0	308.2	308.2	308.4	308.1	307.8	307.5	307.4	306.9	306.5
172.5°	308.7	308.7	308.6	308.7	308.6	308.4	308.3	308.1	308.0	307.7	307.5
175°	308.7	308.7	308.7	308.7	308.6	308.6	308.5	308.6	308.5	308.3	308.2
177.5°	310.5	310.4	310.1	309.9	309.7	309.6	309.7	309.5	309.6	309.5	309.4
180°	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1



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**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2
2.5°	33603.8	33396.3	33368.8	33383.5	33418.1	33431.0	33468.3	33478.6	33516.3	33525.5	33561.7
5°	34297.2	34022.9	34036.6	34102.5	34202.4	34261.9	34360.0	34411.4	34505.1	34547.7	34632.3
7.5°	35028.4	34812.9	34880.1	34991.3	35127.9	35222.4	35340.3	35417.1	35518.7	35581.8	35663.1
10°	35387.3	35328.3	35402.3	35489.7	35567.7	35628.6	35678.7	35718.6	35744.8	35769.4	35780.1
12.5°	35114.1	35205.5	35218.1	35209.6	35158.0	35118.6	35030.1	34970.0	34863.2	34798.1	34671.1
15°	34101.4	34302.3	34191.0	34022.7	33776.3	33570.8	33280.7	33064.8	32762.6	32557.8	32254.6
17.5°	32324.1	32577.6	32287.8	31898.1	31402.5	30978.5	30450.6	30031.4	29506.4	29124.6	28634.7
20°	29822.0	30058.9	29542.0	28896.1	28129.5	27484.2	26723.3	26116.2	25409.0	24883.1	24248.3
22.5°	26706.6	26875.4	26147.2	25276.5	24299.7	23493.6	22583.8	21856.0	21049.0	20447.8	19770.9
25°	23260.0	23305.6	22432.2	21429.1	20340.3	19434.4	18463.2	17697.9	16874.9	16265.5	15601.2
27.5°	19781.4	19714.6	18770.5	17706.9	16561.8	15620.1	14672.8	13955.7	13235.0	12685.9	12113.7
30°	16498.0	16336.3	15356.0	14262.8	13151.2	12307.2	11520.8	10944.9	10371.5	9936.0	9476.7
32.5°	13487.2	13259.0	12304.8	11280.6	10343.9	9692.6	9109.4	8673.7	8210.6	7842.8	7457.3
35°	10820.2	10577.2	9731.9	8863.5	8154.6	7674.5	7216.2	6858.7	6465.5	6155.2	5820.4
37.5°	8531.5	8332.3	7624.1	6940.9	6404.7	6032.6	5657.0	5364.9	5040.0	4903.4	4545.7
40°	6586.3	6447.0	5893.3	5389.7	4987.0	4812.2	4431.0	4158.1	3915.2	3715.0	3521.2
42.5°	5137.4	5088.1	4549.3	4156.4	3872.9	3652.7	3440.3	3267.8	3100.0	2961.9	2831.6
45°	3770.1	3731.1	3491.9	3265.1	3071.9	2918.0	2774.4	2655.7	2546.0	2455.1	2372.3
47.5°	2935.7	2923.3	2785.5	2644.9	2523.2	2424.3	2331.1	2252.3	2179.5	2118.7	2099.0
50°	2387.8	2386.1	2305.4	2218.5	2131.9	2074.7	2015.2	1968.7	1921.9	1885.5	1847.0
52.5°	2028.8	2020.0	1965.5	1911.9	1860.4	1822.9	1784.8	1755.1	1724.1	1701.7	1677.7
55°	1746.6	1755.9	1724.3	1692.3	1660.1	1636.7	1610.1	1590.4	1569.3	1555.0	1540.6
57.5°	1550.5	1562.8	1546.3	1528.1	1508.5	1493.1	1474.8	1461.2	1447.0	1438.0	1429.6
60°	1408.0	1421.3	1414.7	1405.6	1393.5	1384.3	1372.6	1365.0	1355.9	1350.9	1346.1
62.5°	1287.1	1303.7	1301.3	1297.0	1289.2	1284.2	1277.8	1274.4	1268.3	1266.2	1264.0
65°	1166.3	1185.1	1184.7	1182.6	1178.3	1176.8	1172.8	1172.1	1169.0	1170.2	1170.0
67.5°	1071.4	1087.7	1091.2	1093.8	1093.8	1094.7	1094.3	1095.9	1095.9	1098.3	1099.8
70°	1002.8	1014.2	1016.9	1019.7	1020.4	1022.6	1022.6	1024.0	1023.6	1025.6	1025.8
72.5°	933.6	948.5	951.3	953.4	953.4	955.6	954.5	954.1	951.1	950.6	948.4
75°	847.4	866.6	870.8	873.5	873.9	875.7	873.1	871.6	866.6	864.6	861.1
77.5°	757.4	777.4	780.3	781.3	779.7	780.1	774.6	770.9	764.6	762.0	758.7
80°	640.3	669.6	671.9	670.0	665.5	664.7	659.4	656.0	648.4	645.8	643.0
82.5°	487.3	521.5	526.4	528.4	524.8	525.6	520.6	518.6	511.7	510.4	505.9
85°	307.6	341.9	347.6	346.8	343.0	342.2	339.2	340.2	339.6	341.4	342.5
87.5°	141.3	174.6	182.6	180.0	179.6	177.3	172.0	173.9	177.1	179.2	179.3
90°	42.0	53.8	55.3	54.8	51.1	49.8	46.4	45.9	42.9	42.2	39.3
92.5°	51.2	54.0	56.9	54.4	51.8	49.3	46.8	44.1	41.6	39.0	36.5
95°	63.7	67.7	71.8	68.5	64.8	61.5	58.0	54.7	51.2	47.9	44.4
97.5°	71.6	76.3	81.0	77.6	74.2	70.7	67.3	63.9	60.5	57.0	53.6
100°	122.0	132.8	143.8	134.2	124.5	114.8	105.1	95.4	85.7	76.0	66.2
102.5°	271.4	298.2	325.3	300.7	276.2	251.7	227.3	202.7	178.3	153.7	129.3
105°	486.4	527.1	568.1	530.5	493.1	455.8	418.4	381.0	343.6	306.2	269.0
107.5°	654.5	692.4	730.7	696.9	663.0	629.2	595.2	561.4	527.6	493.7	460.0
110°	738.5	768.0	798.4	775.5	752.7	729.8	706.9	684.1	661.4	638.7	616.0



TEST NUMBER: P1444828  
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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°	739.4	760.2	782.2	768.6	755.2	741.6	728.2	714.7	701.4	687.8	674.7
115°	678.1	689.7	702.6	696.9	691.5	685.8	680.2	674.8	669.3	663.7	658.6
117.5°	601.3	606.0	612.1	610.5	609.3	607.7	606.5	605.2	604.1	602.8	601.7
120°	521.1	520.7	521.9	521.9	522.3	522.4	522.7	522.8	523.2	523.5	524.1
122.5°	454.1	450.5	448.5	448.6	448.7	448.6	448.8	448.9	449.1	449.2	449.6
125°	406.9	401.7	398.6	397.0	395.6	394.0	392.5	391.0	389.7	388.3	387.0
127.5°	373.4	367.7	364.4	361.7	359.0	356.2	353.5	350.7	348.1	345.3	342.8
130°	351.0	345.4	342.1	338.7	335.7	332.2	329.1	325.7	322.3	319.2	315.9
132.5°	335.7	330.2	327.1	323.9	321.0	317.6	314.5	311.3	308.1	304.6	301.8
135°	326.8	321.5	318.9	315.9	313.2	310.2	307.3	304.2	301.5	298.3	295.6
137.5°	319.5	314.2	311.9	309.4	307.2	304.6	302.4	299.8	297.5	294.7	292.4
140°	313.6	308.1	305.7	304.2	302.8	301.1	299.6	297.9	296.4	295.0	293.3
142.5°	309.7	304.3	302.1	301.1	300.2	299.0	298.1	297.0	295.9	294.5	293.4
145°	305.7	299.6	297.4	296.8	296.7	296.4	295.9	295.6	295.1	294.6	294.2
147.5°	303.7	297.5	295.2	295.1	295.1	294.8	294.9	294.6	294.7	294.4	294.4
150°	301.1	294.0	291.4	291.7	291.7	291.9	292.0	292.1	292.4	292.4	292.5
152.5°	299.2	290.9	287.9	288.1	288.4	288.5	288.8	289.2	289.6	289.8	290.1
155°	298.0	288.9	285.7	285.5	285.7	285.7	285.8	286.1	286.3	286.5	286.9
157.5°	298.4	288.8	285.6	285.3	285.3	285.2	285.2	285.4	285.5	285.5	285.9
160°	299.4	289.8	286.7	286.3	286.2	286.1	285.9	286.0	286.1	286.2	286.4
162.5°	300.5	291.0	288.1	287.6	287.3	287.2	287.2	287.0	287.1	287.0	287.3
165°	301.7	293.4	290.6	290.3	290.3	290.1	290.0	290.1	290.2	290.2	290.5
167.5°	305.0	297.5	295.3	295.0	294.6	294.2	294.2	293.7	293.7	293.5	293.5
170°	306.1	300.2	298.3	298.1	298.2	298.2	298.0	298.0	297.9	297.9	298.0
172.5°	307.3	302.9	301.5	301.5	301.8	301.9	302.0	302.2	302.4	302.6	302.9
175°	308.1	305.5	304.9	304.7	304.8	304.9	305.0	305.2	305.3	305.4	305.8
177.5°	309.4	308.7	308.3	308.3	308.3	308.3	308.3	308.3	308.3	308.5	308.5
180°	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1



TEST NUMBER: P1444828  
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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°	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2
2.5°	33568.5	33607.6	33604.6	33641.2	33639.4	33673.8	33666.9	33696.6	33689.9	33715.2	33700.3
5°	34669.6	34744.0	34768.6	34835.8	34849.7	34909.9	34911.1	34958.9	34953.0	34990.5	34970.5
7.5°	35711.3	35780.8	35813.7	35865.9	35891.9	35935.2	35952.1	35987.6	35996.2	36017.1	36016.5
10°	35799.1	35798.9	35815.2	35807.9	35822.4	35814.0	35831.8	35825.4	35851.7	35845.0	35864.8
12.5°	34616.3	34498.9	34456.1	34350.6	34327.6	34237.0	34243.5	34185.4	34213.5	34177.8	34238.5
15°	32074.2	31801.9	31667.4	31430.6	31356.3	31169.1	31153.9	31029.7	31063.2	30998.2	31093.2
17.5°	28317.6	27889.0	27653.7	27307.9	27170.6	26906.0	26852.9	26692.9	26717.7	26637.1	26751.9
20°	23838.9	23320.8	23024.0	22624.2	22445.9	22130.3	22046.6	21867.6	21890.0	21809.8	21939.7
22.5°	19309.0	18766.7	18431.7	18012.6	17784.8	17488.1	17399.0	17219.2	17229.5	17154.1	17279.0
25°	15146.2	14626.3	14301.1	13920.4	13722.8	13450.7	13357.1	13195.6	13204.8	13142.7	13254.8
27.5°	11716.7	11290.1	11018.0	10698.9	10521.7	10298.0	10206.8	10071.1	10070.7	10025.2	10118.8
30°	9155.9	8800.0	8555.7	8277.8	8111.4	7909.6	7821.4	7700.0	7694.6	7662.3	7736.8
32.5°	7168.9	6852.3	6629.4	6384.9	6235.5	6062.3	5978.9	5881.2	5872.3	5843.1	5904.2
35°	5572.9	5306.3	5114.6	4908.7	4923.9	4668.4	4710.9	4512.3	4458.6	4446.8	4492.2
37.5°	4307.2	4100.7	3945.1	3790.9	3686.4	3578.4	3520.2	3468.1	3462.1	3457.1	3488.9
40°	3371.3	3226.8	3113.7	3007.8	2936.0	2870.0	2833.7	2805.0	2798.2	2794.4	2813.7
42.5°	2728.6	2631.1	2558.1	2493.5	2449.9	2414.1	2394.0	2378.1	2372.8	2373.0	2384.4
45°	2305.4	2246.2	2199.1	2159.0	2131.1	2143.3	2107.3	2126.2	2101.2	2127.0	2110.0
47.5°	2030.1	1979.8	1950.7	1922.3	1905.4	1891.8	1892.3	1892.5	1897.9	1898.7	1904.3
50°	1817.8	1788.7	1768.4	1750.3	1741.5	1734.4	1736.9	1738.7	1743.9	1744.2	1748.3
52.5°	1660.7	1641.6	1629.4	1618.1	1614.2	1610.1	1611.8	1611.1	1613.4	1612.2	1615.5
55°	1532.8	1523.8	1520.0	1515.8	1516.3	1515.3	1516.0	1512.0	1509.5	1506.4	1509.3
57.5°	1427.8	1426.6	1429.2	1431.0	1435.8	1437.5	1438.6	1433.9	1429.5	1425.4	1427.7
60°	1347.1	1349.0	1355.5	1360.6	1367.5	1370.7	1372.7	1370.0	1366.8	1363.5	1365.4
62.5°	1267.3	1270.4	1278.0	1283.8	1292.2	1296.6	1301.3	1301.6	1302.8	1301.6	1302.9
65°	1174.7	1178.5	1185.4	1190.3	1198.0	1201.8	1206.8	1207.7	1210.4	1209.7	1212.1
67.5°	1104.4	1107.8	1113.6	1118.2	1125.1	1129.1	1133.3	1133.6	1134.6	1134.4	1136.5
70°	1029.3	1031.0	1036.2	1040.0	1046.9	1051.0	1055.9	1057.4	1060.5	1061.0	1063.5
72.5°	949.3	948.5	951.7	953.4	958.6	961.7	968.1	971.5	976.6	978.0	979.9
75°	862.1	861.4	865.1	866.6	871.0	874.3	881.2	885.8	893.8	897.2	896.3
77.5°	761.2	763.0	769.9	773.7	779.7	783.7	792.9	800.2	814.8	821.2	814.7
80°	648.4	650.3	657.5	661.0	668.8	673.8	684.0	692.5	705.7	708.6	704.9
82.5°	509.8	510.4	516.7	519.5	529.5	536.8	549.9	556.6	564.8	563.6	562.5
85°	347.6	352.3	360.4	368.4	380.7	392.6	404.8	414.9	407.8	419.0	406.4
87.5°	185.8	185.3	196.1	194.4	211.7	221.7	232.4	237.4	243.1	241.9	242.0
90°	39.2	37.1	37.6	35.1	36.5	33.8	36.1	33.6	36.5	33.4	38.5
92.5°	33.9	32.6	31.1	29.9	28.4	27.1	25.6	24.3	22.9	21.5	22.9
95°	41.1	39.8	38.6	37.2	35.9	34.7	33.4	32.0	30.8	29.5	31.1
97.5°	50.2	49.5	48.7	48.0	47.2	46.6	45.8	45.1	44.2	43.4	44.4
100°	56.6	56.6	56.6	56.6	56.4	56.4	56.4	56.4	56.4	56.4	57.2
102.5°	104.8	102.4	100.0	97.4	94.9	92.4	90.0	87.6	85.2	82.7	86.4
105°	231.5	222.0	212.3	202.8	193.1	183.6	174.0	164.5	154.9	145.4	155.3
107.5°	426.3	408.7	391.2	373.9	356.4	338.9	321.5	304.2	286.8	269.3	284.9
110°	593.3	574.7	556.1	537.7	519.1	500.5	482.0	463.6	445.1	426.7	441.5



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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°	661.4	649.1	637.2	625.1	613.1	601.2	589.3	577.3	565.5	553.6	560.8
115°	653.1	647.3	641.4	635.7	630.0	624.0	618.3	612.7	607.1	601.5	601.9
117.5°	600.4	598.3	596.3	594.2	592.2	590.2	588.3	586.6	584.5	582.9	578.9
120°	524.6	524.8	525.1	525.5	526.1	526.6	526.9	527.7	528.4	529.2	523.8
122.5°	449.9	450.8	451.9	453.2	454.4	455.8	457.2	458.7	460.3	461.9	456.5
125°	385.6	386.5	387.6	388.6	389.6	391.0	392.4	394.0	395.4	397.2	392.6
127.5°	340.2	340.2	340.1	340.4	340.5	340.9	341.4	342.0	342.8	343.7	340.8
130°	312.7	311.7	310.7	309.8	308.8	308.5	308.0	307.4	307.2	307.1	306.0
132.5°	298.4	296.7	295.1	293.5	292.0	290.7	289.4	288.5	287.6	286.9	286.5
135°	292.4	290.3	288.3	286.2	284.2	282.7	280.9	279.6	278.3	277.1	277.5
137.5°	289.9	287.9	285.6	283.8	281.7	280.2	278.5	277.0	275.8	274.6	275.3
140°	291.6	289.5	287.4	285.5	283.7	282.1	280.4	279.1	277.6	276.7	277.1
142.5°	292.3	290.5	288.5	286.9	285.1	283.6	282.3	281.1	279.7	278.8	279.3
145°	293.7	292.4	290.9	289.6	288.3	287.3	286.0	285.3	284.4	284.0	284.2
147.5°	294.0	293.1	291.9	291.0	289.8	289.3	288.3	287.8	287.1	286.8	286.9
150°	292.7	292.1	291.3	290.8	290.1	289.6	289.2	288.8	288.4	288.3	288.3
152.5°	290.5	290.0	289.4	288.9	288.4	288.1	287.7	287.5	287.2	287.0	287.0
155°	287.0	286.9	286.6	286.6	286.4	286.5	286.3	286.5	286.3	286.5	286.6
157.5°	286.0	286.1	286.0	286.3	286.4	286.4	286.5	286.9	286.9	287.3	287.5
160°	286.8	286.8	286.8	286.9	286.9	286.9	287.1	287.2	287.4	287.6	288.0
162.5°	287.4	287.8	287.9	288.1	288.4	288.7	289.1	289.6	289.8	290.3	290.7
165°	290.7	290.8	290.8	290.7	291.0	291.1	291.2	291.6	291.7	292.2	292.6
167.5°	293.4	293.6	293.6	293.7	293.9	294.4	294.6	295.1	295.4	296.0	296.4
170°	297.8	297.8	297.8	297.8	297.8	298.1	298.2	298.3	298.5	298.9	299.1
172.5°	302.9	302.9	302.7	302.9	302.7	302.9	302.9	303.1	303.1	303.2	303.3
175°	305.6	306.0	306.0	306.3	306.3	306.4	306.5	306.7	306.8	307.0	307.0
177.5°	308.5	308.6	308.6	308.6	308.6	308.7	308.7	308.7	308.7	308.6	308.7
180°	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1



TEST NUMBER: P1444828  
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**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2
2.5°	33725.1	33708.2	33725.5	33708.0	33725.5	33704.5	33718.8	33696.0	33701.8	33678.2	33684.3
5°	35000.3	34973.4	34987.8	34952.8	34956.5	34909.9	34908.9	34854.6	34840.4	34778.5	34751.3
7.5°	36031.5	36022.7	36027.7	36005.1	36002.6	35970.7	35955.6	35910.6	35882.3	35825.4	35786.6
10°	35868.3	35894.5	35901.3	35928.2	35933.7	35960.2	35965.8	35992.4	35997.9	36017.5	36017.8
12.5°	34235.7	34325.0	34346.3	34456.5	34502.9	34629.2	34696.8	34835.8	34918.4	35057.0	35142.1
15°	31090.6	31245.1	31306.6	31521.9	31641.0	31892.4	32050.3	32338.9	32542.6	32849.1	33067.6
17.5°	26762.1	26977.8	27075.2	27367.2	27557.6	27928.6	28196.0	28636.1	28973.0	29462.0	29849.6
20°	21962.0	22201.8	22334.0	22667.0	22891.8	23325.2	23659.0	24199.9	24650.8	25270.5	25800.4
22.5°	17318.2	17546.4	17693.3	18032.1	18285.1	18737.2	19110.3	19681.0	20186.3	20884.6	21520.0
25°	13297.1	13506.3	13638.9	13945.4	14183.1	14598.5	14954.8	15503.7	15998.1	16698.5	17350.0
27.5°	10165.5	10340.6	10468.5	10729.9	10939.5	11291.8	11597.8	12051.5	12477.4	13083.5	13663.6
30°	7782.5	7937.8	8062.3	8289.9	8484.2	8789.6	9058.7	9439.8	9792.3	10274.5	10736.0
32.5°	5947.2	6080.9	6191.7	6390.9	6567.3	6842.3	7084.7	7418.7	7721.3	8130.3	8510.0
35°	4534.5	4797.5	4778.9	5053.7	5097.9	5295.3	5511.5	5803.6	6071.6	6419.3	6742.5
37.5°	3519.5	3593.5	3672.7	3794.2	3921.9	4101.4	4284.1	4641.0	4771.9	5034.7	5302.2
40°	2838.1	2888.1	2940.5	3022.5	3111.9	3238.4	3371.5	3541.7	3716.1	3929.2	4146.8
42.5°	2399.4	2427.7	2460.9	2509.2	2564.3	2644.6	2733.5	2849.0	2970.3	3120.3	3273.3
45°	2143.7	2130.3	2140.2	2166.1	2199.2	2248.1	2304.2	2375.7	2454.7	2551.9	2655.3
47.5°	1905.4	1910.8	1913.8	1927.9	1945.6	1978.3	2012.4	2060.9	2154.6	2183.1	2239.5
50°	1748.0	1750.6	1749.7	1756.9	1765.8	1787.1	1809.2	1842.0	1874.8	1918.4	1959.8
52.5°	1616.0	1619.7	1619.2	1624.0	1628.7	1642.2	1656.1	1679.3	1700.8	1728.5	1752.3
55°	1511.8	1516.9	1518.9	1522.8	1525.2	1532.2	1537.8	1548.9	1558.0	1573.6	1588.1
57.5°	1431.7	1438.6	1441.8	1443.2	1440.3	1440.0	1438.1	1440.5	1442.3	1450.8	1458.9
60°	1368.6	1374.2	1375.0	1374.2	1369.0	1365.3	1359.4	1357.5	1356.6	1360.6	1365.0
62.5°	1302.6	1304.6	1303.2	1301.6	1295.6	1292.1	1286.0	1283.7	1281.6	1284.5	1286.8
65°	1211.2	1213.0	1211.2	1210.2	1204.9	1202.1	1196.9	1195.2	1192.2	1193.0	1192.5
67.5°	1137.1	1138.8	1137.4	1136.0	1132.3	1130.6	1126.8	1124.3	1120.8	1119.4	1116.9
70°	1063.1	1064.5	1062.4	1061.0	1056.8	1055.2	1051.6	1050.9	1048.0	1047.4	1044.6
72.5°	978.0	978.1	975.2	974.3	971.2	971.1	969.7	971.1	970.9	972.4	971.7
75°	891.0	889.8	886.1	885.4	883.1	884.2	882.6	884.7	885.0	888.1	888.5
77.5°	803.8	799.3	792.3	788.9	784.3	783.6	780.9	782.8	782.1	785.8	787.3
80°	693.8	688.2	679.2	674.9	669.3	668.5	665.9	668.5	667.2	671.5	674.6
82.5°	553.9	549.1	539.7	536.3	529.8	530.5	527.7	530.5	530.1	536.4	540.2
85°	409.7	406.5	396.9	388.3	378.8	373.3	367.9	366.9	365.3	367.9	370.0
87.5°	236.6	233.7	226.1	221.2	204.6	205.2	198.7	198.3	196.8	195.3	198.7
90°	37.3	41.5	40.5	44.3	43.9	48.4	48.3	52.5	51.6	55.8	55.6
92.5°	24.3	25.6	27.0	28.4	29.8	31.1	32.5	33.9	36.9	39.6	42.9
95°	32.7	34.3	35.9	37.5	39.1	40.7	42.3	43.9	48.3	52.5	56.9
97.5°	45.7	46.6	47.6	48.7	49.7	50.8	51.9	52.9	57.8	62.4	67.1
100°	58.0	58.9	59.7	60.7	61.5	62.3	63.2	64.0	73.2	82.3	91.2
102.5°	89.9	93.5	97.2	100.7	104.5	108.2	111.7	115.3	136.1	156.8	177.5
105°	165.2	175.1	185.0	194.8	204.7	214.6	224.5	234.4	267.7	300.8	334.1
107.5°	300.5	316.1	331.8	347.4	363.1	378.7	394.4	410.1	442.4	475.0	507.3
110°	456.4	471.3	486.2	501.1	516.0	531.0	546.0	561.1	580.6	600.1	619.6



TEST NUMBER: P1444828  
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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°	568.1	575.3	582.7	590.0	597.4	604.8	612.2	619.6	629.5	639.4	649.3
115°	602.4	602.9	603.5	604.1	604.7	605.3	606.1	606.9	610.2	613.5	616.8
117.5°	574.9	571.0	567.3	563.3	559.5	556.0	552.3	548.8	548.5	548.1	548.0
120°	518.7	513.5	508.3	503.1	498.2	493.1	488.4	483.5	481.3	479.1	476.9
122.5°	451.3	446.2	441.1	436.0	431.1	426.3	421.7	417.0	415.6	414.2	413.0
125°	388.2	384.0	379.8	375.9	372.1	368.2	364.6	360.8	361.3	361.6	362.3
127.5°	338.4	335.9	333.4	331.3	329.2	327.1	325.2	323.3	325.1	326.9	328.7
130°	304.9	304.1	303.4	302.6	302.3	301.9	301.4	301.0	303.9	306.3	309.2
132.5°	286.8	286.8	287.1	287.4	288.1	288.5	289.5	289.9	293.0	295.9	299.0
135°	278.0	278.6	279.5	280.4	281.6	282.7	284.0	285.0	288.1	290.8	293.8
137.5°	276.1	276.9	278.0	279.0	280.5	281.6	283.3	284.5	286.9	289.3	291.7
140°	277.8	278.5	279.5	280.4	281.5	282.7	284.1	285.2	287.3	289.2	291.1
142.5°	280.1	280.6	281.5	282.6	283.6	284.5	285.8	286.8	288.3	289.7	291.5
145°	284.8	285.2	286.0	286.8	287.6	288.4	289.4	290.2	291.3	292.4	293.5
147.5°	287.4	287.8	288.3	289.0	289.7	290.3	291.0	291.6	292.5	293.3	294.2
150°	288.7	288.9	289.4	289.6	290.2	290.7	291.3	291.8	292.4	293.1	293.8
152.5°	287.6	287.7	288.2	288.3	288.8	289.3	289.6	290.2	290.9	291.3	292.1
155°	286.9	287.5	288.0	288.3	289.0	289.2	289.8	290.2	290.8	291.3	291.9
157.5°	288.1	288.3	288.9	289.2	289.7	290.1	290.6	291.0	291.6	292.0	292.4
160°	288.5	289.1	289.6	290.3	290.9	291.3	291.9	292.4	293.0	293.4	293.8
162.5°	291.2	291.7	292.2	292.5	293.0	293.6	293.9	294.4	295.1	295.4	296.2
165°	293.2	293.7	294.5	294.8	295.5	296.2	296.6	297.2	297.6	298.1	298.5
167.5°	296.9	297.3	298.0	298.6	299.2	299.6	300.2	300.6	301.1	301.4	301.9
170°	299.5	300.0	300.5	301.0	301.5	301.9	302.4	302.8	303.3	303.6	304.3
172.5°	303.6	303.9	304.3	304.6	304.9	305.4	305.8	306.0	306.4	306.8	307.1
175°	307.0	307.0	307.1	307.3	307.3	307.3	307.4	307.7	307.8	308.0	308.1
177.5°	308.7	308.9	309.0	309.1	309.2	309.4	309.5	309.6	309.6	309.6	309.6
180°	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1



TEST NUMBER: P1444828  
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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°	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2
2.5°	33660.7	33662.2	33635.0	33633.5	33608.1	33604.9	33580.1	33572.6	33552.5	33545.2	33524.7
5°	34682.0	34648.9	34572.4	34527.5	34452.0	34401.9	34320.2	34266.9	34188.0	34128.6	34049.2
7.5°	35714.8	35663.5	35577.7	35508.2	35403.4	35319.7	35197.1	35096.6	34963.8	34848.9	34709.4
10°	36017.8	36009.9	35988.0	35956.1	35907.4	35852.6	35769.1	35682.1	35565.7	35439.3	35284.2
12.5°	35272.4	35352.9	35462.6	35527.7	35606.8	35641.5	35673.9	35665.8	35644.5	35580.5	35490.9
15°	33384.3	33610.5	33909.9	34142.0	34409.0	34603.1	34817.4	34951.0	35084.1	35145.6	35183.2
17.5°	30380.8	30809.1	31346.1	31791.0	32304.4	32716.9	33168.9	33509.2	33859.2	34110.0	34336.7
20°	26522.8	27143.2	27902.7	28573.6	29353.7	30031.7	30774.6	31384.5	32013.5	32505.3	32970.8
22.5°	22338.2	23075.0	23993.2	24843.7	25849.4	26753.3	27773.0	28660.6	29587.3	30361.6	31110.1
25°	18223.3	19031.4	20035.3	20984.2	22123.2	23174.6	24384.1	25490.2	26688.0	27727.8	28755.1
27.5°	14465.8	15259.1	16284.1	17294.2	18498.7	19619.0	20914.8	22133.5	23497.3	24754.9	26041.5
30°	11377.4	12050.4	12969.4	13947.9	15135.7	16275.8	17585.6	18839.0	20257.8	21630.9	23080.1
32.5°	9014.0	9526.6	10249.2	11076.5	12172.6	13257.8	14505.1	15715.0	17112.2	18499.3	20006.4
35°	7158.8	7558.6	8109.5	8755.1	9683.3	10618.8	11722.0	12822.3	14125.8	15442.1	16907.0
37.5°	5645.1	5969.5	6401.0	6886.0	7630.5	8398.1	9302.8	10215.0	11347.6	12514.4	13842.0
40°	4408.2	4670.9	5006.8	5368.4	5930.6	6522.2	7221.7	7929.1	8839.1	9792.7	10891.5
42.5°	3463.0	3656.8	3894.0	4158.3	4682.8	4996.9	5471.3	5982.9	6651.9	7344.2	8170.3
45°	2781.1	2913.3	3077.8	3255.1	3498.5	3764.9	4089.8	4430.5	5066.0	5377.7	5880.2
47.5°	2322.5	2411.2	2515.9	2627.6	2771.2	2926.1	3118.8	3315.8	3570.6	3834.7	4144.2
50°	2013.7	2103.8	2139.8	2197.7	2280.8	2369.3	2477.9	2586.5	2723.2	2861.6	3021.0
52.5°	1784.4	1813.7	1852.9	1889.7	1941.2	2041.9	2074.5	2131.2	2207.9	2282.8	2366.6
55°	1609.3	1628.5	1653.9	1676.1	1707.2	1737.0	1779.9	1817.7	1868.8	1914.0	1969.6
57.5°	1473.0	1485.3	1502.9	1517.5	1537.6	1554.5	1579.6	1600.1	1629.4	1655.0	1688.7
60°	1374.1	1382.2	1394.0	1403.5	1416.4	1425.1	1437.6	1447.2	1462.8	1475.7	1494.5
62.5°	1293.2	1297.4	1305.1	1310.7	1318.8	1323.3	1330.0	1334.2	1342.7	1349.2	1359.7
65°	1196.1	1197.2	1202.4	1204.7	1211.1	1213.5	1218.9	1220.8	1227.9	1232.8	1242.0
67.5°	1116.7	1114.4	1114.6	1112.8	1113.6	1111.7	1112.2	1110.2	1113.1	1114.6	1121.6
70°	1044.1	1041.0	1040.0	1036.6	1035.7	1032.3	1031.2	1028.2	1027.8	1026.8	1029.3
72.5°	973.4	972.5	972.7	970.4	970.1	967.8	967.9	966.5	968.1	968.8	972.0
75°	892.1	892.2	893.8	891.8	892.3	890.4	891.1	889.3	890.3	889.9	893.1
77.5°	793.0	795.3	799.6	798.8	800.2	798.0	798.9	796.4	797.1	795.3	796.6
80°	681.7	686.6	692.4	692.1	694.6	693.1	695.2	692.8	693.8	690.8	690.1
82.5°	549.5	553.7	559.8	560.1	565.5	566.4	572.5	572.3	576.1	573.6	571.9
85°	375.6	378.4	383.9	386.9	392.4	395.9	401.7	404.1	399.9	407.5	401.4
87.5°	196.1	203.5	199.4	208.9	206.6	216.2	214.2	223.0	221.4	229.0	228.0
90°	61.0	61.5	67.2	67.9	74.8	76.4	80.6	78.6	82.5	80.9	84.8
92.5°	45.6	48.7	51.7	54.7	57.7	60.7	57.9	55.2	52.4	49.7	46.9
95°	61.3	65.6	70.0	74.3	78.6	83.0	78.4	73.8	69.1	64.5	59.7
97.5°	71.7	76.5	81.1	85.8	90.6	95.2	89.7	84.2	78.6	73.2	67.7
100°	100.2	109.5	118.5	127.4	136.6	145.6	135.5	125.1	115.1	104.7	94.5
102.5°	198.3	219.1	240.0	260.8	281.5	302.2	280.5	258.9	237.0	215.3	193.5
105°	367.3	400.6	433.8	467.0	500.3	533.7	498.4	463.1	427.8	392.7	357.2
107.5°	539.8	572.2	604.8	637.2	669.7	702.3	666.6	630.7	595.1	559.3	523.5
110°	639.3	658.9	678.5	698.3	717.8	737.6	711.5	685.5	659.5	633.4	607.3



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**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	659.1	669.3	679.2	689.2	699.2	709.3	690.7	672.4	653.7	635.3	616.7
115°	620.3	623.7	627.2	630.6	634.0	637.5	625.1	612.7	600.5	588.1	575.6
117.5°	547.8	547.7	547.3	547.5	547.2	547.1	540.4	533.7	526.8	520.0	513.2
120°	474.7	472.7	470.6	468.4	466.2	464.0	461.4	458.8	456.0	453.4	450.5
122.5°	411.6	410.6	409.2	408.0	406.5	405.1	404.3	403.7	402.8	402.1	401.2
125°	362.8	363.2	363.6	364.3	364.6	365.0	364.8	364.7	364.5	364.4	364.1
127.5°	330.4	332.2	333.9	335.6	337.1	338.8	339.0	339.5	339.7	340.0	340.2
130°	311.6	314.4	316.9	319.4	321.7	324.5	324.5	324.7	324.8	325.0	325.1
132.5°	301.9	304.8	307.5	310.5	313.3	316.0	316.1	316.3	316.1	316.4	316.3
135°	296.5	299.3	301.9	304.8	307.3	310.0	309.9	310.0	309.7	309.9	309.8
137.5°	293.8	296.4	298.5	300.8	302.7	305.0	304.8	304.9	304.6	304.7	304.6
140°	292.9	295.0	296.5	298.5	300.3	302.0	301.8	301.6	301.2	301.0	300.5
142.5°	292.9	294.5	295.7	297.3	298.6	300.1	299.2	298.8	298.2	297.7	297.1
145°	294.6	295.7	296.7	297.8	298.5	299.6	298.7	298.0	297.0	296.4	295.6
147.5°	294.9	295.7	296.2	297.1	297.5	298.3	297.4	296.6	295.8	294.9	294.0
150°	294.3	295.2	295.7	296.4	296.8	297.5	296.4	295.6	294.6	293.7	292.7
152.5°	292.6	293.3	293.7	294.2	294.7	295.1	294.1	293.5	292.4	291.4	290.4
155°	292.2	292.8	293.0	293.6	293.7	294.0	293.1	292.5	291.6	290.8	289.8
157.5°	292.8	293.4	293.7	293.9	294.2	294.6	293.9	293.5	292.7	292.2	291.4
160°	294.2	294.6	295.0	295.2	295.6	295.7	295.1	294.9	294.3	293.7	293.1
162.5°	296.5	297.2	297.6	297.8	298.3	298.7	298.0	297.6	296.9	296.3	295.6
165°	298.9	299.2	299.6	300.0	300.1	300.5	300.0	299.7	299.2	298.9	298.3
167.5°	302.1	302.6	302.9	303.3	303.3	303.6	303.2	303.1	302.5	302.1	301.7
170°	304.5	304.9	305.4	305.7	306.0	306.1	306.0	305.7	305.2	304.9	304.5
172.5°	307.4	307.9	308.0	308.3	308.4	308.7	308.4	308.0	307.6	307.3	306.8
175°	308.1	308.2	308.5	308.5	308.5	308.6	308.3	307.9	307.6	307.3	307.0
177.5°	309.6	309.6	309.6	309.5	309.5	309.5	309.3	309.0	308.8	308.7	308.2
180°	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1



TEST NUMBER: P1444828  
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**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2
2.5°	33517.3	33502.8	33493.4	33481.5	33474.2	33464.9	33458.1	33452.3	33447.7	33443.3	33440.1
5°	33988.7	33913.8	33855.6	33792.6	33740.9	33689.3	33649.6	33616.7	33593.9	33576.9	33566.7
7.5°	34588.7	34451.6	34329.6	34201.3	34086.2	33973.0	33875.5	33791.4	33728.4	33687.5	33662.7
10°	35124.6	34941.1	34759.5	34568.4	34387.1	34211.4	34049.2	33906.5	33793.6	33718.5	33674.7
12.5°	35364.9	35208.5	35023.1	34815.5	34593.5	34368.8	34149.7	33952.2	33786.5	33675.3	33611.1
15°	35153.3	35089.0	34963.3	34802.2	34591.4	34359.2	34102.0	33860.3	33638.0	33493.8	33410.2
17.5°	34465.1	34554.7	34545.0	34483.5	34332.0	34136.4	33874.4	33603.0	33324.8	33132.1	33026.8
20°	33303.7	33585.5	33728.4	33801.7	33742.2	33615.4	33378.2	33102.6	32778.5	32526.9	32373.3
22.5°	31671.7	32169.0	32478.9	32705.8	32753.9	32710.7	32501.2	32239.1	31877.8	31575.3	31348.6
25°	29570.6	30299.3	30789.1	31173.2	31322.3	31360.9	31182.5	30922.0	30519.2	30166.9	29855.4
27.5°	27096.0	28042.8	28696.7	29212.8	29445.7	29546.7	29382.6	29116.7	28640.3	28219.6	27812.8
30°	24310.0	25433.3	26220.7	26839.4	27123.4	27256.8	27082.5	26785.7	26231.2	25725.2	25212.6
32.5°	21328.1	22557.3	23415.3	24087.2	24368.6	24494.2	24266.1	23932.9	23291.9	22695.6	22098.0
35°	18206.0	19446.7	20312.1	20966.1	21201.8	21277.6	20986.0	20600.7	19890.6	19236.2	18584.5
37.5°	15020.5	16174.8	16961.2	17548.2	17694.1	17707.1	17355.8	16930.3	16184.0	15538.7	14889.9
40°	11862.4	12835.8	13470.8	13940.7	13991.3	13946.1	13564.1	13135.9	12437.7	11859.7	11290.1
42.5°	8887.6	9622.5	10075.5	10397.4	10378.3	10289.1	9938.9	9570.7	8994.8	8554.5	8106.2
45°	6339.1	6823.7	7088.5	7276.9	7216.4	7131.4	6858.8	6600.8	6209.3	5925.0	5623.7
47.5°	4403.9	4982.4	4881.7	5250.1	4932.7	5142.3	4705.8	4465.2	4257.4	4106.3	3936.1
50°	3152.8	3285.4	3349.5	3393.1	3369.9	3337.7	3259.3	3189.2	3094.3	3025.1	2944.5
52.5°	2434.9	2501.1	2537.4	2563.7	2558.5	2546.7	2512.6	2481.3	2436.9	2407.7	2372.3
55°	2062.4	2063.4	2130.1	2101.5	2143.8	2094.2	2113.7	2058.8	2067.7	2020.6	1988.8
57.5°	1713.8	1741.0	1753.2	1765.0	1761.6	1759.6	1746.4	1739.7	1724.8	1720.2	1709.6
60°	1507.5	1521.7	1524.6	1530.1	1525.5	1523.8	1513.5	1509.7	1499.8	1497.9	1490.8
62.5°	1366.1	1373.3	1373.3	1373.3	1367.4	1361.7	1350.2	1344.2	1335.7	1333.8	1329.7
65°	1248.0	1255.6	1256.8	1258.4	1254.1	1249.6	1239.5	1232.9	1224.2	1220.8	1216.2
67.5°	1126.2	1134.2	1136.9	1141.0	1138.6	1137.6	1130.7	1128.1	1122.4	1121.0	1116.7
70°	1030.5	1033.8	1033.6	1033.5	1028.1	1023.2	1015.2	1011.4	1005.3	1004.1	1000.1
72.5°	973.6	976.0	974.5	972.4	965.4	958.2	948.8	941.9	934.0	929.0	923.4
75°	893.4	896.6	894.6	893.3	886.9	882.3	874.7	870.9	865.3	863.7	859.9
77.5°	795.1	796.6	793.4	793.0	788.2	785.2	779.5	778.6	774.5	774.6	770.9
80°	685.6	684.8	679.5	678.6	673.8	672.6	668.1	668.4	665.1	666.5	663.9
82.5°	564.1	561.0	554.2	552.3	546.7	546.2	543.2	545.8	543.8	546.7	545.0
85°	404.2	405.2	402.2	402.2	400.6	401.1	400.8	402.7	402.9	405.6	405.5
87.5°	225.4	228.6	228.0	231.0	230.9	234.2	235.2	240.2	240.8	245.4	245.4
90°	83.0	87.5	85.7	90.3	89.7	94.7	95.0	100.2	99.7	104.1	102.7
92.5°	44.2	41.4	38.8	35.9	34.5	32.8	32.0	30.1	29.0	27.3	26.0
95°	55.1	50.4	45.7	41.1	39.5	37.8	36.2	34.7	33.0	31.4	29.8
97.5°	62.2	56.6	51.1	45.7	44.3	42.9	41.5	40.1	38.7	37.3	36.0
100°	84.1	73.9	63.6	53.3	52.1	51.0	49.7	48.6	47.4	46.1	44.9
102.5°	171.7	149.8	128.0	106.1	102.0	97.8	93.7	89.5	85.3	81.2	77.1
105°	321.9	286.5	251.1	215.7	204.4	193.1	182.0	170.6	159.3	148.0	136.9
107.5°	487.6	451.7	415.8	379.8	359.2	338.5	317.6	296.6	276.0	255.1	234.2
110°	581.3	555.1	528.9	502.6	486.0	469.3	452.5	435.7	419.2	402.3	385.5



TEST NUMBER: P1444828  
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**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	598.0	579.4	560.8	541.8	534.5	526.8	519.5	511.8	504.3	496.6	489.0
115°	563.1	550.7	538.0	525.4	522.9	520.3	517.8	515.0	512.5	509.7	506.9
117.5°	506.4	499.5	492.6	485.6	486.0	486.7	487.3	487.8	488.3	488.6	489.0
120°	447.7	445.0	442.3	439.4	442.1	444.4	447.0	449.2	451.7	453.8	455.9
122.5°	400.4	399.4	398.7	397.5	400.7	403.8	406.7	409.6	412.4	415.0	417.6
125°	364.0	363.6	363.4	363.0	366.2	369.3	372.4	375.1	378.1	380.6	383.2
127.5°	340.6	340.8	341.2	341.3	343.8	345.8	348.2	350.1	352.3	353.9	355.9
130°	325.1	325.1	325.4	325.4	327.7	329.7	331.9	333.7	335.7	337.2	338.8
132.5°	316.5	316.4	316.5	316.4	318.3	319.8	321.5	322.7	324.2	325.1	326.3
135°	309.8	309.5	309.6	309.4	311.1	312.7	314.2	315.4	316.8	317.6	318.5
137.5°	304.6	304.4	304.3	304.1	305.7	307.1	308.5	309.6	310.7	311.6	312.4
140°	300.5	300.1	299.9	299.5	300.9	302.1	303.4	304.5	305.5	306.1	307.0
142.5°	296.5	295.7	295.4	294.7	295.7	296.6	297.6	298.3	299.2	299.6	300.1
145°	294.8	293.7	293.1	292.2	293.0	293.7	294.5	295.2	295.6	296.0	296.4
147.5°	293.4	292.3	291.4	290.5	291.3	291.8	292.3	292.6	293.2	293.4	293.7
150°	291.7	290.5	289.6	288.5	288.9	289.3	289.6	290.1	290.4	290.5	290.8
152.5°	289.4	288.3	287.3	286.1	286.4	286.7	286.9	286.9	287.2	287.3	287.3
155°	289.1	288.1	287.1	286.0	286.4	286.4	286.6	286.7	286.6	286.6	286.6
157.5°	290.7	289.7	289.2	288.3	288.2	288.2	288.2	287.8	287.8	287.5	287.2
160°	292.6	291.8	291.1	290.4	290.2	290.1	290.2	289.7	289.6	289.2	289.0
162.5°	294.9	294.1	293.3	292.4	292.3	292.3	292.1	291.7	291.6	291.2	291.0
165°	297.9	297.3	296.7	296.0	295.9	295.6	295.5	295.0	294.8	294.2	293.8
167.5°	301.1	300.5	299.9	299.2	299.1	299.1	298.9	298.6	298.6	298.1	298.0
170°	304.1	303.5	303.2	302.6	302.3	302.2	301.9	301.7	301.3	301.1	300.7
172.5°	306.3	305.9	305.4	304.6	304.6	304.6	304.3	304.2	303.8	303.5	303.4
175°	306.5	306.2	305.6	305.3	305.2	305.1	304.9	304.8	304.6	304.5	304.2
177.5°	308.0	307.8	307.3	307.2	307.0	307.0	306.9	306.8	306.8	306.6	306.5
180°	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1



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**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	33308.2	33308.2
2.5°	33437.1	33435.5
5°	33561.4	33559.5
7.5°	33656.0	33655.4
10°	33667.2	33672.9
12.5°	33600.0	33604.6
15°	33403.8	33413.0
17.5°	33028.8	33040.8
20°	32382.7	32395.2
22.5°	31336.4	31341.6
25°	29815.2	29793.6
27.5°	27741.3	27704.2
30°	25105.0	25069.0
32.5°	21961.7	21939.2
35°	18423.4	18409.2
37.5°	14698.2	14669.3
40°	11081.8	10997.6
42.5°	7910.0	7762.2
45°	5466.4	5291.3
47.5°	3816.1	3707.9
50°	2892.6	2857.6
52.5°	2356.9	2348.8
55°	1988.7	1985.1
57.5°	1711.9	1710.7
60°	1494.5	1494.2
62.5°	1332.4	1333.1
65°	1218.3	1218.5
67.5°	1117.8	1117.0
70°	1001.6	1000.8
72.5°	921.7	920.3
75°	859.9	859.1
77.5°	772.1	770.7
80°	665.6	663.9
82.5°	547.4	545.5
85°	408.3	408.4
87.5°	249.9	249.7
90°	106.8	104.8
92.5°	24.9	23.8
95°	28.2	26.6
97.5°	34.6	33.2
100°	43.8	42.6
102.5°	72.9	68.8
105°	125.6	114.3
107.5°	213.4	192.7
110°	368.7	352.0



TEST NUMBER: P1444828  
CATALOG NUMBER: EHBR1-42-UNV-TA-L940-UPL18

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	481.3	473.6
115°	504.0	501.2
117.5°	489.3	489.4
120°	457.8	460.0
122.5°	420.0	422.3
125°	385.6	387.9
127.5°	357.3	358.7
130°	339.8	341.2
132.5°	327.0	327.6
135°	319.0	319.6
137.5°	312.8	313.3
140°	307.3	307.6
142.5°	300.4	300.5
145°	296.6	296.7
147.5°	293.3	293.4
150°	290.6	290.5
152.5°	287.1	287.1
155°	286.3	286.1
157.5°	286.8	286.5
160°	288.5	288.3
162.5°	290.4	290.1
165°	293.3	292.7
167.5°	297.5	297.3
170°	300.4	300.1
172.5°	303.1	302.8
175°	304.1	304.0
177.5°	306.5	306.2
180°	308.1	308.1

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-7

Test Date: 08/04/2025

Luminaire Tested: EHBR-60-L940-N

Data in this report applies to families of products including EHBR-60-L940-N

**Test Information**

Test Method: LM-79-2019  
 Report Number: SP1-2506-472-7  
 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-L940-N**  
 Description: Elevate Round Highbay at, 60000 lumens, 4000K 90CRI LEDs with N lens

**Spectral Parameters**

CCT (K): 3963  
 CIE u': 0.2267  
 CIE v': 0.5003  
 Duv: -0.0016  
 CIE x: 0.3810  
 CIE y: 0.3738  
 CIE z: 0.2453  
 Peak Wavelength (nm): 630  
 Dominant Wavelength (nm): 580  
 Purity: 26.49712  
 Rf: 90.7  
 Rg: 101

CRI (Ra):	93.4		
R1:	95.2	R9:	66.4
R2:	95.1	R10:	86.6
R3:	93.3	R11:	94.4
R4:	94.5	R12:	75.4
R5:	94.2	R13:	95.0
R6:	92.9	R14:	95.4
R7:	94.0	R15:	92.8
R8:	87.7		



**Test Conditions**

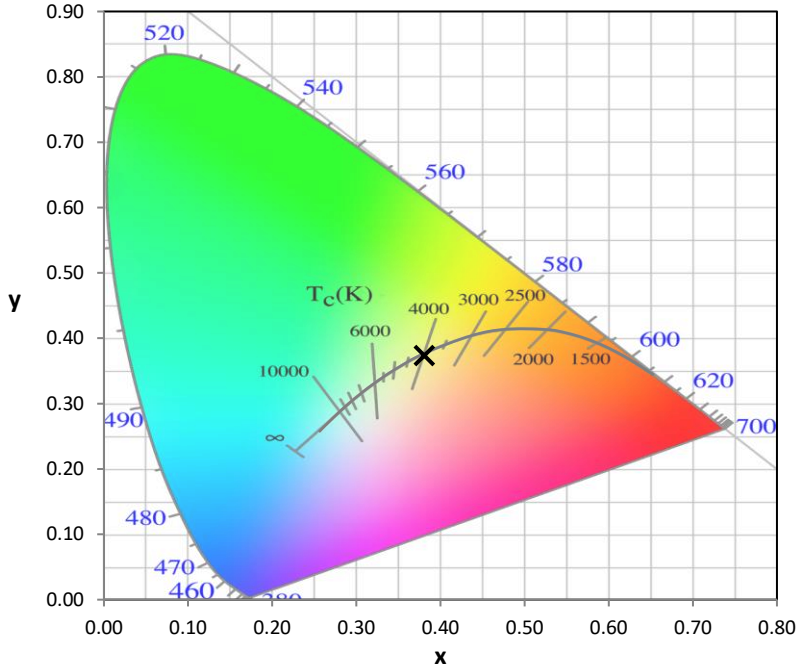
Stabilization Time: 44M  
 Operation Time: 1H 44M  
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-7

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

REPORT NUMBER: SP1-2506-472-7

**CIE 1931 Chromaticity Diagram**



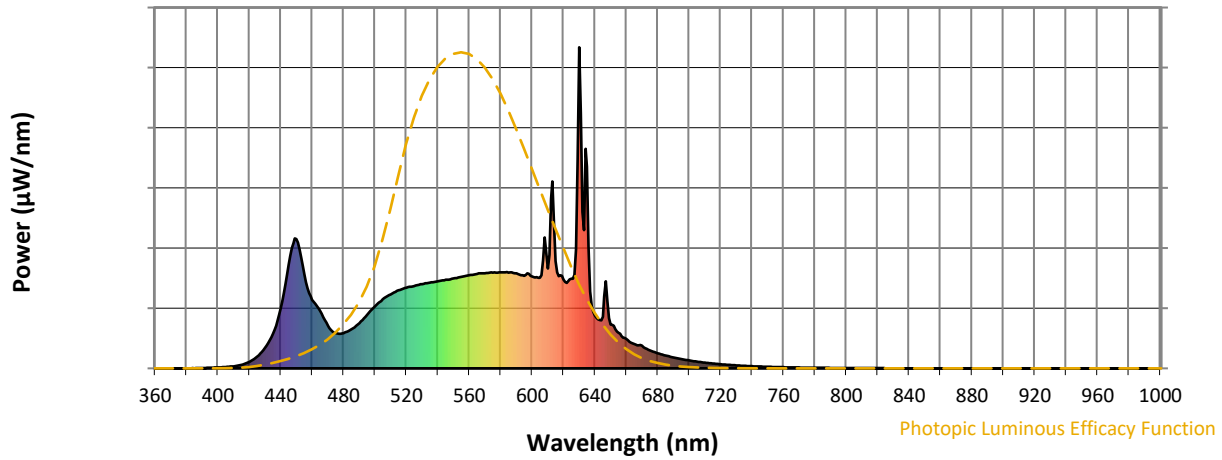
**CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles**



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-7

**Photopic Flux vs. Wavelength**

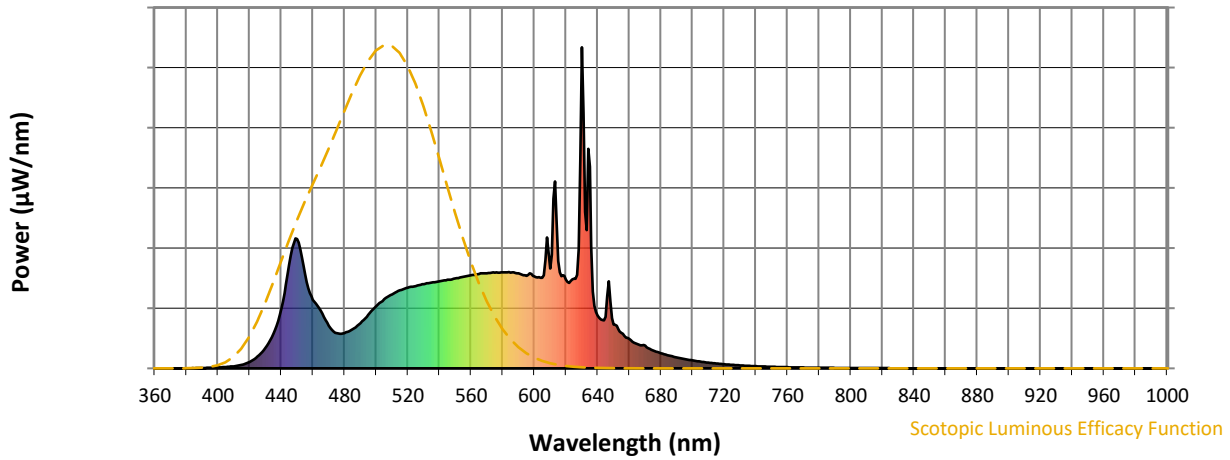


**Photopic Lumens: NR**

$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)
360	0	NR	490	141	NR	620	276	NR	750	5	NR	880	0	NR
365	0	NR	495	167	NR	625	279	NR	755	4	NR	885	0	NR
370	0	NR	500	193	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	215	NR	635	628	NR	765	3	NR	895	0	NR
380	0	NR	510	230	NR	640	164	NR	770	3	NR	900	0	NR
385	0	NR	515	243	NR	645	161	NR	775	2	NR	905	0	NR
390	1	NR	520	251	NR	650	137	NR	780	2	NR	910	0	NR
395	2	NR	525	256	NR	655	111	NR	785	2	NR	915	0	NR
400	3	NR	530	262	NR	660	92	NR	790	1	NR	920	0	NR
405	4	NR	535	267	NR	665	76	NR	795	1	NR	925	0	NR
410	6	NR	540	271	NR	670	71	NR	800	1	NR	930	0	NR
415	11	NR	545	276	NR	675	56	NR	805	1	NR	935	0	NR
420	20	NR	550	280	NR	680	47	NR	810	1	NR	940	0	NR
425	37	NR	555	285	NR	685	40	NR	815	1	NR	945	0	NR
430	63	NR	560	290	NR	690	34	NR	820	1	NR	950	0	NR
435	108	NR	565	294	NR	695	29	NR	825	1	NR	955	0	NR
440	186	NR	570	296	NR	700	25	NR	830	0	NR	960	0	NR
445	323	NR	575	298	NR	705	21	NR	835	0	NR	965	0	NR
450	403	NR	580	299	NR	710	18	NR	840	0	NR	970	0	NR
455	293	NR	585	298	NR	715	15	NR	845	0	NR	975	0	NR
460	214	NR	590	296	NR	720	13	NR	850	0	NR	980	0	NR
465	180	NR	595	288	NR	725	11	NR	855	0	NR	985	0	NR
470	132	NR	600	286	NR	730	9	NR	860	0	NR	990	0	NR
475	109	NR	605	282	NR	735	8	NR	865	0	NR	995	0	NR
480	110	NR	610	311	NR	740	7	NR	870	0	NR	1000	0	NR
485	121	NR	615	334	NR	745	6	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-7

**Scotopic Flux vs. Wavelength**



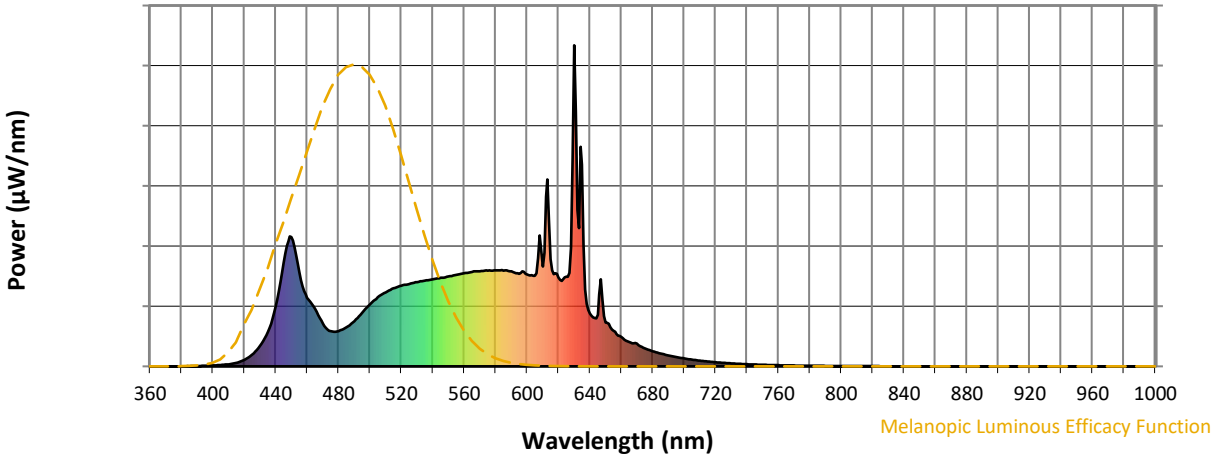
**Scotopic Lumens: NR**

**S/P: 1.76**

$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)
360	0	NR	490	141	NR	620	276	NR	750	5	NR	880	0	NR
365	0	NR	495	167	NR	625	279	NR	755	4	NR	885	0	NR
370	0	NR	500	193	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	215	NR	635	628	NR	765	3	NR	895	0	NR
380	0	NR	510	230	NR	640	164	NR	770	3	NR	900	0	NR
385	0	NR	515	243	NR	645	161	NR	775	2	NR	905	0	NR
390	1	NR	520	251	NR	650	137	NR	780	2	NR	910	0	NR
395	2	NR	525	256	NR	655	111	NR	785	2	NR	915	0	NR
400	3	NR	530	262	NR	660	92	NR	790	1	NR	920	0	NR
405	4	NR	535	267	NR	665	76	NR	795	1	NR	925	0	NR
410	6	NR	540	271	NR	670	71	NR	800	1	NR	930	0	NR
415	11	NR	545	276	NR	675	56	NR	805	1	NR	935	0	NR
420	20	NR	550	280	NR	680	47	NR	810	1	NR	940	0	NR
425	37	NR	555	285	NR	685	40	NR	815	1	NR	945	0	NR
430	63	NR	560	290	NR	690	34	NR	820	1	NR	950	0	NR
435	108	NR	565	294	NR	695	29	NR	825	1	NR	955	0	NR
440	186	NR	570	296	NR	700	25	NR	830	0	NR	960	0	NR
445	323	NR	575	298	NR	705	21	NR	835	0	NR	965	0	NR
450	403	NR	580	299	NR	710	18	NR	840	0	NR	970	0	NR
455	293	NR	585	298	NR	715	15	NR	845	0	NR	975	0	NR
460	214	NR	590	296	NR	720	13	NR	850	0	NR	980	0	NR
465	180	NR	595	288	NR	725	11	NR	855	0	NR	985	0	NR
470	132	NR	600	286	NR	730	9	NR	860	0	NR	990	0	NR
475	109	NR	605	282	NR	735	8	NR	865	0	NR	995	0	NR
480	110	NR	610	311	NR	740	7	NR	870	0	NR	1000	0	NR
485	121	NR	615	334	NR	745	6	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-7

Melanopic Flux vs. Wavelength



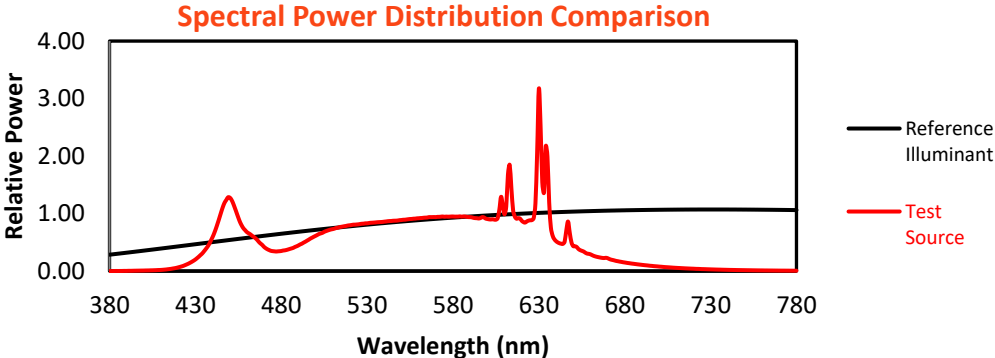
Melanopic Lumens: NR

M/P: 3.64

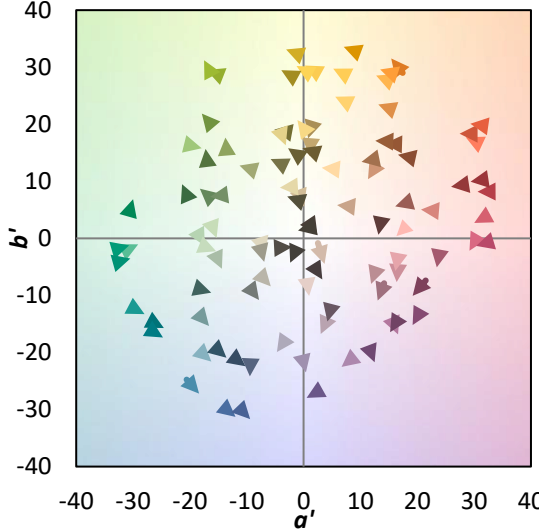
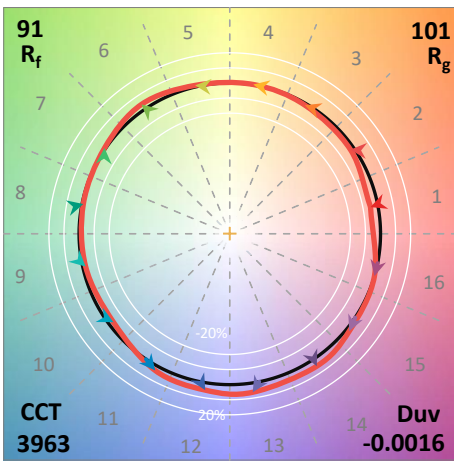
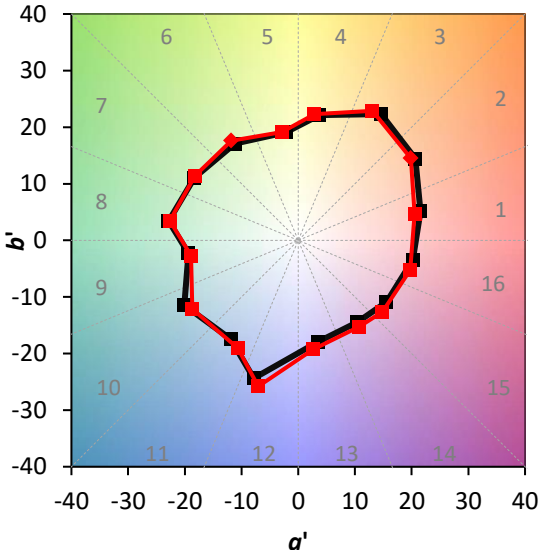
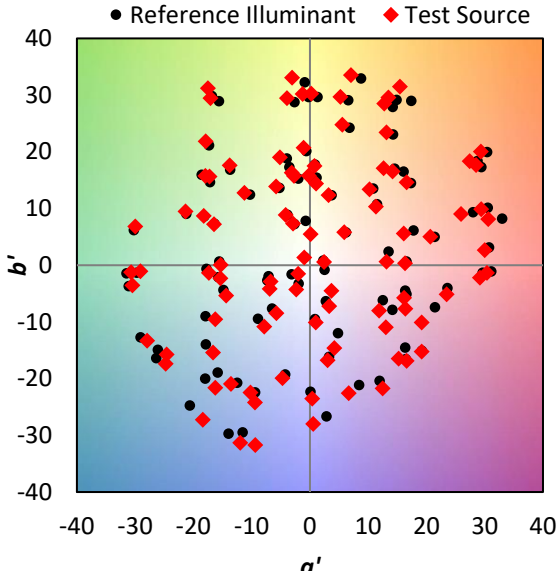
λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	141	NR	620	276	NR	750	5	NR	880	0	NR
365	0	NR	495	167	NR	625	279	NR	755	4	NR	885	0	NR
370	0	NR	500	193	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	215	NR	635	628	NR	765	3	NR	895	0	NR
380	0	NR	510	230	NR	640	164	NR	770	3	NR	900	0	NR
385	0	NR	515	243	NR	645	161	NR	775	2	NR	905	0	NR
390	1	NR	520	251	NR	650	137	NR	780	2	NR	910	0	NR
395	2	NR	525	256	NR	655	111	NR	785	2	NR	915	0	NR
400	3	NR	530	262	NR	660	92	NR	790	1	NR	920	0	NR
405	4	NR	535	267	NR	665	76	NR	795	1	NR	925	0	NR
410	6	NR	540	271	NR	670	71	NR	800	1	NR	930	0	NR
415	11	NR	545	276	NR	675	56	NR	805	1	NR	935	0	NR
420	20	NR	550	280	NR	680	47	NR	810	1	NR	940	0	NR
425	37	NR	555	285	NR	685	40	NR	815	1	NR	945	0	NR
430	63	NR	560	290	NR	690	34	NR	820	1	NR	950	0	NR
435	108	NR	565	294	NR	695	29	NR	825	1	NR	955	0	NR
440	186	NR	570	296	NR	700	25	NR	830	0	NR	960	0	NR
445	323	NR	575	298	NR	705	21	NR	835	0	NR	965	0	NR
450	403	NR	580	299	NR	710	18	NR	840	0	NR	970	0	NR
455	293	NR	585	298	NR	715	15	NR	845	0	NR	975	0	NR
460	214	NR	590	296	NR	720	13	NR	850	0	NR	980	0	NR
465	180	NR	595	288	NR	725	11	NR	855	0	NR	985	0	NR
470	132	NR	600	286	NR	730	9	NR	860	0	NR	990	0	NR
475	109	NR	605	282	NR	735	8	NR	865	0	NR	995	0	NR
480	110	NR	610	311	NR	740	7	NR	870	0	NR	1000	0	NR
485	121	NR	615	334	NR	745	6	NR	875	0	NR			

**Summary**

$R_f = 90.7$   
 $R_g = 101$   
 $CIE R_a = 93.4$   
 $R_9 = 66.4$



**Color Vector Graphics**



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

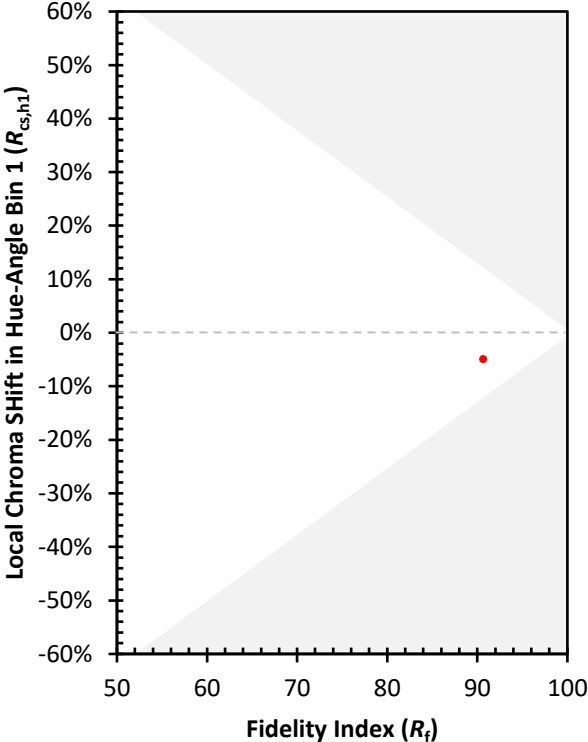
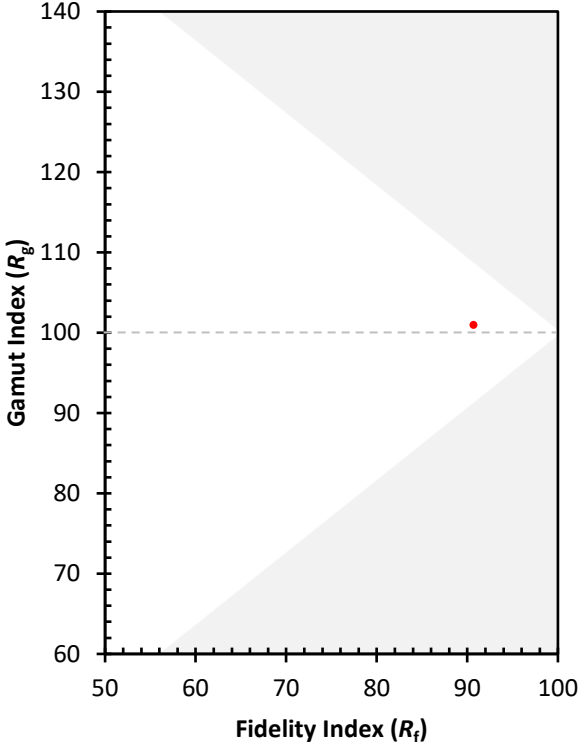
CES01 = 86	CES26 = 90	CES51 = 99	CES76 = 83
CES02 = 62	CES27 = 93	CES52 = 97	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 95	CES78 = 79
CES04 = 69	CES29 = 91	CES54 = 96	CES79 = 94
CES05 = 49	CES30 = 98	CES55 = 95	CES80 = 91
CES06 = 50	CES31 = 92	CES56 = 95	CES81 = 80
CES07 = 42	CES32 = 84	CES57 = 94	CES82 = 96
CES08 = 41	CES33 = 95	CES58 = 95	CES83 = 95
CES09 = 29	CES34 = 90	CES59 = 98	CES84 = 93
CES10 = 74	CES35 = 94	CES60 = 93	CES85 = 82
CES11 = 57	CES36 = 84	CES61 = 93	CES86 = 84
CES12 = 63	CES37 = 92	CES62 = 90	CES87 = 90
CES13 = 43	CES38 = 93	CES63 = 92	CES88 = 97
CES14 = 74	CES39 = 98	CES64 = 91	CES89 = 84
CES15 = 71	CES40 = 96	CES65 = 88	CES90 = 99
CES16 = 47	CES41 = 98	CES66 = 88	CES91 = 74
CES17 = 49	CES42 = 89	CES67 = 87	CES92 = 78
CES18 = 56	CES43 = 89	CES68 = 87	CES93 = 87
CES19 = 71	CES44 = 99	CES69 = 88	CES94 = 75
CES20 = 66	CES45 = 93	CES70 = 84	CES95 = 83
CES21 = 85	CES46 = 95	CES71 = 80	CES96 = 91
CES22 = 78	CES47 = 92	CES72 = 93	CES97 = 93
CES23 = 91	CES48 = 96	CES73 = 78	CES98 = 93
CES24 = 90	CES49 = 93	CES74 = 92	CES99 = 94
CES25 = 71	CES50 = 99	CES75 = 81	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)