

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: P1444831

Luminaire Tested: EHBR1-42-UNV-TA-L940-UPL36

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444831
REPORT IS A COMBINATION OF REPORTS P1444350 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-UPL36
Description: Elevate Round Highbay at, 42000 lumens, 4000K 90CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

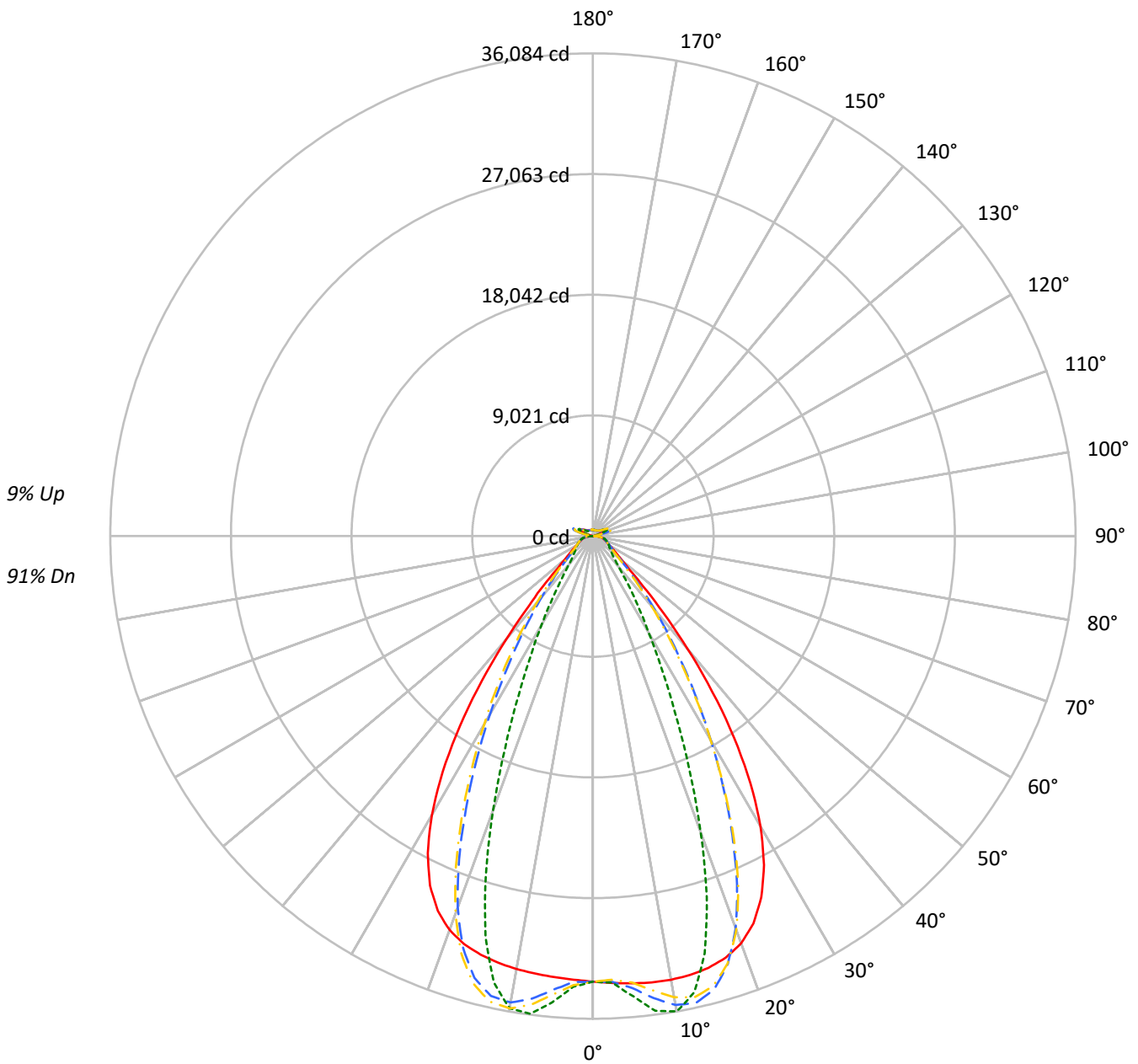
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41993.0 lumens
Efficiency: N/A
Efficacy: 166.1 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 0.77 / 0.88
Luminous Opening: Vertical Cylinder (Dia: 1.71' x H: 0.1')
CIE Type: Direct

Input Watts (W): 252.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	117	117	117	117	113	113	113	113	106	106	106	100	100	100	94	94	94	94	94	94	91
1	110	106	103	100	106	103	101	98	98	95	93	92	91	89	87	86	85	85	85	85	82
2	103	97	92	88	100	95	90	86	90	86	83	85	83	80	81	79	77	77	77	77	75
3	97	89	83	78	94	87	81	77	83	78	75	79	76	72	76	73	70	70	70	70	68
4	91	82	76	71	88	80	74	70	77	72	68	74	70	66	71	67	64	64	64	64	62
5	86	76	69	64	83	74	68	63	71	66	62	69	64	61	66	62	59	59	59	59	57
6	81	70	64	59	78	69	63	58	67	61	57	64	60	56	62	58	55	55	55	55	53
7	76	66	59	54	74	65	58	54	62	57	53	60	56	52	59	54	51	51	51	51	49
8	72	61	55	50	70	60	54	50	59	53	49	57	52	48	55	51	48	48	48	48	46
9	68	58	51	47	67	57	51	46	55	50	46	54	49	45	52	48	44	44	44	44	43
10	65	54	48	44	63	53	47	43	52	46	43	51	46	42	49	45	42	42	42	42	40

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	7.8
10°-20°	9234.3	22.0
20°-30°	10517.1	25.0
30°-40°	7559.2	18.0
40°-50°	3486.3	8.3
50°-60°	1668.3	4.0
60°-70°	1217.3	2.9
70°-80°	924.8	2.2
80°-90°	426.7	1.0
90°-100°	103.9	0.2
100°-110°	607.8	1.4
110°-120°	1123.1	2.7
120°-130°	684.4	1.6
130°-140°	436.4	1.0
140°-150°	320.9	0.8
150°-160°	221.8	0.5
160°-170°	132.9	0.3
170°-180°	45.3	0.1
0°-30°	23034.0	54.9
0°-40°	30593.2	72.9
0°-60°	35747.9	85.1
0°-90°	38316.7	91.2
90°-120°	1834.8	4.4
90°-150°	3276.4	7.8
90°-180°	3676.0	8.8
0°-180°	41993.0	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°	117	147	38	46	117	72
95°	48	53	48	53	48	46
105°	218	282	146	282	218	289
115°	978	1189	1025	1189	978	903
125°	732	771	829	773	732	667
135°	571	509	615	513	571	445
145°	503	491	536	496	503	318
155°	467	470	498	474	467	217
165°	462	463	479	465	462	131
175°	471	476	480	477	471	45
180°	477	477	477	477	477	



TEST NUMBER: P1444831
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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°	117.2	123.7	126.4	134.0	136.5	143.3	145.4	153.0	155.7	163.4	167.5
92.5°	41.8	44.6	47.1	50.3	53.0	56.6	59.6	62.7	65.5	68.9	74.5
95°	47.6	50.8	53.9	57.1	60.3	63.5	66.7	69.9	73.0	76.2	85.4
97.5°	59.8	62.6	65.3	68.1	70.8	73.6	76.3	79.1	81.8	84.5	95.5
100°	77.8	80.1	82.5	84.8	87.1	89.4	91.8	94.1	96.4	98.8	119.2
102.5°	128.8	137.0	145.2	153.5	161.7	169.8	178.2	186.3	194.5	202.8	246.2
105°	217.9	240.3	262.8	285.2	307.6	330.1	352.5	374.7	397.2	419.5	490.2
107.5°	372.4	413.7	455.3	496.8	538.3	579.7	621.2	662.5	704.0	745.1	816.9
110°	687.6	720.8	754.3	787.5	820.9	854.4	887.8	920.8	954.3	987.5	1039.9



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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°	927.2	942.2	957.3	972.4	987.5	1002.4	1017.5	1032.4	1047.5	1062.4	1099.9
115°	978.5	983.7	989.1	994.3	999.6	1004.8	1010.1	1015.2	1020.4	1025.5	1050.8
117.5°	950.5	949.4	948.6	947.8	946.6	945.6	944.6	943.5	942.4	941.2	955.5
120°	886.8	882.2	877.6	872.9	868.2	863.4	858.7	853.9	849.0	844.1	850.2
122.5°	806.3	800.8	795.4	789.7	784.1	778.3	772.7	766.7	761.1	755.3	757.5
125°	732.1	726.4	721.1	715.2	709.4	703.6	697.8	691.8	686.1	680.0	681.2
127.5°	667.7	663.9	660.0	655.8	651.6	647.3	643.0	638.6	634.5	629.9	630.2
130°	626.3	622.9	619.3	615.5	611.8	607.8	603.9	599.9	596.0	591.8	592.3
132.5°	592.8	590.5	587.9	585.2	582.3	579.2	576.4	573.1	570.3	567.3	567.8
135°	570.6	568.2	566.1	563.4	560.9	558.0	555.2	552.2	549.4	546.3	547.2
137.5°	551.9	549.8	547.6	545.2	542.9	540.1	537.6	534.8	532.2	529.3	530.0
140°	534.9	532.9	530.9	528.7	526.6	524.2	521.6	519.1	516.7	514.0	515.2
142.5°	515.5	513.9	512.5	510.6	509.0	506.8	504.9	502.6	500.7	498.5	500.0
145°	503.1	501.8	500.5	499.0	497.4	495.5	494.0	491.9	490.2	488.4	490.0
147.5°	492.1	491.0	490.1	488.8	487.7	486.0	484.6	483.0	481.6	480.0	481.7
150°	482.6	481.7	480.7	479.6	478.3	476.9	475.5	474.0	472.7	471.1	472.8
152.5°	472.5	471.4	470.7	469.5	468.3	466.8	465.7	464.2	462.9	461.5	462.9
155°	466.8	465.6	464.6	463.6	462.5	461.2	459.9	458.6	457.4	455.9	457.1
157.5°	463.3	462.4	461.6	460.5	459.9	458.8	457.9	456.7	455.8	454.8	455.6
160°	462.2	461.4	460.5	459.5	458.6	457.5	456.8	455.6	454.9	453.9	454.5
162.5°	461.3	460.3	459.5	458.6	457.7	456.6	455.8	455.0	454.1	453.1	453.9
165°	462.0	461.5	460.9	460.3	459.7	459.1	458.5	457.7	457.1	456.3	456.9
167.5°	466.6	465.8	465.2	464.3	463.6	462.7	462.0	461.2	460.5	459.6	460.1
170°	468.3	467.8	467.4	467.0	466.5	466.0	465.6	465.2	464.6	464.1	464.6
172.5°	471.0	470.6	470.3	470.1	469.5	469.4	469.0	468.6	468.3	467.9	468.6
175°	471.3	470.9	470.9	470.6	470.3	470.1	469.9	469.7	469.7	469.4	469.7
177.5°	474.5	474.4	474.4	474.3	474.3	474.1	474.0	473.7	473.6	473.6	474.0
180°	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4



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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°	176.4	181.1	189.8	191.8	198.2	199.5	166.9	164.9	160.1	160.1	154.1
92.5°	80.5	86.0	91.9	97.5	103.4	109.1	111.0	115.4	109.8	103.7	98.3
95°	94.7	104.1	113.4	122.7	132.0	141.3	150.6	160.0	151.3	142.4	133.7
97.5°	106.5	117.5	128.3	139.4	150.4	161.4	172.4	183.3	174.0	164.5	155.2
100°	139.7	160.2	180.7	201.2	221.6	242.1	262.7	283.2	265.2	247.1	229.0
102.5°	289.6	333.3	376.9	420.4	463.8	507.5	551.3	594.9	553.4	511.9	470.5
105°	560.8	631.4	702.0	772.3	842.9	913.5	984.5	1055.0	988.8	922.7	856.5
107.5°	888.5	960.1	1031.5	1103.1	1174.7	1246.3	1318.5	1390.0	1325.5	1260.7	1196.1
110°	1092.1	1144.2	1196.5	1248.7	1300.9	1353.1	1406.0	1458.4	1419.5	1380.7	1341.8



TEST NUMBER: P1444831
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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°	1137.1	1174.5	1211.8	1249.1	1286.2	1323.6	1362.0	1399.5	1380.0	1360.3	1341.0
115°	1075.8	1101.2	1126.2	1151.3	1176.5	1201.5	1227.9	1253.4	1247.1	1240.8	1234.5
117.5°	969.5	983.4	997.5	1011.6	1025.5	1039.3	1055.2	1069.4	1070.4	1071.5	1072.6
120°	856.1	862.0	867.8	873.8	879.5	885.3	893.3	899.5	904.8	909.8	915.0
122.5°	759.8	761.9	764.0	766.3	768.4	770.4	775.0	777.7	781.2	784.7	788.4
125°	682.2	683.3	684.3	685.4	686.2	687.2	691.1	692.5	692.7	692.8	693.0
127.5°	630.4	630.4	630.6	630.8	630.6	630.8	633.9	634.5	632.3	630.1	627.6
130°	592.8	593.3	593.6	594.1	594.6	595.1	598.7	600.0	596.0	591.8	587.9
132.5°	568.4	569.0	569.5	570.4	571.0	571.6	575.6	577.0	572.5	567.7	563.1
135°	547.9	548.8	549.7	550.4	551.3	552.3	556.8	558.4	554.1	549.5	545.2
137.5°	530.8	531.7	532.5	533.5	534.3	535.2	540.3	542.0	538.6	534.8	531.4
140°	516.1	517.2	518.3	519.5	520.5	521.9	527.2	529.4	526.8	523.8	520.9
142.5°	501.3	503.0	504.6	506.3	507.8	509.7	515.9	518.6	516.5	514.4	512.3
145°	491.6	493.7	495.4	497.5	499.4	501.5	508.4	511.6	510.3	508.8	507.5
147.5°	483.0	484.8	486.4	488.3	490.0	492.3	499.5	502.4	501.8	500.9	499.9
150°	474.3	476.2	477.8	479.7	481.8	483.9	491.9	495.4	494.6	494.0	493.0
152.5°	464.4	466.0	467.6	469.4	471.0	473.0	482.5	486.0	485.5	484.6	484.1
155°	458.4	459.5	460.7	462.0	463.4	465.0	475.0	478.4	478.0	477.7	477.2
157.5°	456.4	457.2	457.9	458.7	459.8	460.8	471.1	474.6	474.1	473.7	473.4
160°	455.0	455.8	456.2	457.0	457.6	458.4	469.0	472.2	471.9	471.4	471.0
162.5°	454.6	455.8	456.5	457.3	458.2	459.3	470.0	473.6	473.0	472.4	471.8
165°	457.4	457.8	458.2	458.9	459.4	460.0	470.0	472.9	472.6	472.2	471.8
167.5°	460.6	461.3	461.8	462.5	463.0	463.9	473.2	476.0	475.7	475.2	475.0
170°	465.0	465.5	465.9	466.6	467.2	467.9	475.6	477.9	477.7	477.0	476.4
172.5°	469.1	469.7	470.4	471.0	471.6	472.3	479.0	481.2	480.8	480.4	479.8
175°	470.3	470.6	471.1	471.8	472.3	472.7	477.9	479.6	479.4	479.2	479.0
177.5°	474.4	474.7	475.0	475.5	475.9	476.4	479.5	480.5	480.4	480.4	480.4
180°	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4



TEST NUMBER: P1444831
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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°	152.6	146.7	147.5	144.3	146.9	143.9	146.5	143.2	146.5	145.7	150.6
92.5°	91.9	86.3	80.0	74.3	68.2	62.8	59.4	57.1	53.9	51.8	48.4
95°	125.0	116.4	107.7	98.9	90.3	81.6	78.4	75.3	72.1	68.9	65.7
97.5°	145.9	136.6	127.3	117.8	108.4	99.1	97.0	94.9	92.8	90.6	88.6
100°	210.8	192.9	174.9	156.7	138.7	120.7	119.1	117.4	115.7	114.0	112.3
102.5°	429.2	387.8	346.5	305.0	263.7	222.4	215.2	208.0	200.8	193.6	186.4
105°	790.2	724.0	657.8	591.7	525.6	459.4	439.7	419.8	400.1	380.4	360.7
107.5°	1131.6	1067.0	1002.5	938.0	873.5	809.0	777.7	746.6	715.3	684.2	653.0
110°	1302.8	1264.1	1225.4	1186.5	1147.9	1109.1	1079.3	1049.7	1019.7	990.0	960.3



TEST NUMBER: P1444831
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CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	1321.5	1302.1	1282.5	1263.2	1243.9	1224.5	1209.9	1195.4	1180.9	1166.4	1151.7
115°	1228.2	1221.9	1215.7	1209.6	1203.5	1197.4	1196.2	1195.3	1194.1	1193.2	1192.1
117.5°	1073.5	1074.7	1075.6	1076.8	1078.0	1079.2	1086.9	1094.4	1102.2	1110.1	1118.1
120°	920.1	925.2	930.3	935.7	940.8	946.2	956.3	966.8	977.1	987.7	998.3
122.5°	791.8	795.3	798.8	802.5	806.1	809.8	819.8	830.2	840.3	850.8	861.4
125°	692.8	692.9	693.0	692.9	693.0	693.2	701.5	709.8	718.3	727.1	735.5
127.5°	625.2	622.8	620.4	618.1	615.6	613.5	618.1	623.2	628.0	633.1	638.3
130°	583.7	579.6	575.2	571.4	567.0	563.1	564.9	566.7	568.6	570.5	572.7
132.5°	558.2	553.6	548.7	543.9	539.1	534.4	534.1	533.9	533.6	533.7	533.9
135°	540.5	536.2	531.4	526.9	522.2	517.8	516.5	515.2	514.0	512.9	511.8
137.5°	527.8	524.1	520.4	516.9	513.0	509.4	507.5	505.9	504.1	502.9	501.2
140°	517.8	515.1	511.9	509.1	506.0	503.3	501.6	500.4	498.8	497.7	496.3
142.5°	510.0	507.8	505.6	503.5	501.2	499.1	497.5	496.3	494.8	493.7	492.4
145°	506.0	504.6	503.1	501.6	500.1	498.7	497.4	496.4	495.4	494.4	493.5
147.5°	499.0	498.1	497.2	496.2	495.1	494.1	493.3	492.8	491.8	491.3	490.6
150°	492.1	491.3	490.4	489.6	488.6	487.8	487.3	486.8	486.3	486.1	485.6
152.5°	483.2	482.3	481.6	480.8	479.8	479.1	478.6	478.4	477.9	477.7	477.2
155°	476.6	476.1	475.5	475.0	474.2	473.8	473.3	472.6	472.2	471.7	471.0
157.5°	472.9	472.3	471.8	471.4	470.7	470.2	469.6	469.2	468.5	468.2	467.6
160°	470.6	470.2	469.5	469.1	468.6	468.1	467.3	466.8	465.8	465.3	464.4
162.5°	471.0	470.4	469.8	469.1	468.2	467.7	467.1	466.6	466.1	465.6	465.0
165°	471.3	470.8	470.3	469.8	469.5	469.0	468.2	467.6	466.7	466.1	465.4
167.5°	474.5	474.1	473.6	473.3	472.6	472.2	471.6	470.9	470.1	469.5	468.5
170°	476.0	475.3	474.9	474.1	473.6	472.9	472.3	471.6	470.9	470.5	469.5
172.5°	479.3	479.1	478.5	477.9	477.3	476.8	476.4	475.8	475.2	474.7	474.1
175°	478.9	478.7	478.6	478.2	478.1	477.8	477.6	477.5	477.2	477.1	476.7
177.5°	480.4	480.2	480.2	480.0	479.8	479.8	479.5	479.3	479.0	478.6	478.4
180°	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4



TEST NUMBER: P1444831
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CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	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°	148.4	151.3	146.8	146.7	144.1	146.4	141.0	140.4	132.0	130.1	122.8
92.5°	46.0	42.9	40.2	37.4	40.8	42.9	46.3	48.4	51.6	53.9	57.1
95°	62.5	59.3	56.2	53.0	55.5	58.1	60.7	63.2	65.8	68.3	70.8
97.5°	86.5	84.3	82.3	80.1	81.6	83.1	84.6	86.1	87.5	89.0	90.6
100°	110.6	108.9	107.2	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6
102.5°	179.2	172.0	164.8	157.6	162.5	167.3	172.3	177.1	182.0	186.8	191.8
105°	341.0	321.3	301.6	281.9	301.0	320.0	339.1	358.1	377.2	396.4	415.5
107.5°	621.7	590.6	559.5	528.3	563.3	597.9	632.7	667.4	702.1	736.8	771.8
110°	930.7	901.0	871.4	841.7	878.5	915.4	952.2	989.1	1026.0	1062.9	1100.0



TEST NUMBER: P1444831
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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°	1137.4	1122.9	1108.6	1094.1	1117.9	1141.5	1165.3	1189.2	1213.0	1236.8	1260.5
115°	1191.2	1190.4	1189.5	1188.7	1199.9	1211.1	1222.3	1233.7	1245.1	1256.3	1267.7
117.5°	1125.9	1133.7	1141.8	1149.8	1153.5	1157.0	1160.8	1164.5	1168.2	1171.9	1175.8
120°	1008.9	1019.3	1030.1	1040.9	1039.4	1037.9	1036.6	1035.2	1034.1	1032.7	1031.7
122.5°	871.9	882.5	893.3	904.0	900.8	897.6	894.6	891.6	888.7	885.7	882.9
125°	744.5	753.2	762.2	771.2	768.0	764.9	761.8	759.0	756.1	753.1	750.6
127.5°	643.7	649.2	654.6	660.1	658.6	657.1	656.0	654.7	653.5	652.6	651.7
130°	574.8	577.2	579.9	582.3	582.7	583.1	583.9	584.6	585.4	586.3	587.4
132.5°	534.4	534.7	535.2	535.7	537.4	539.1	541.2	543.1	545.4	547.4	550.2
135°	511.2	510.4	509.9	509.4	511.9	514.4	517.2	520.0	523.0	526.2	529.5
137.5°	500.1	498.9	498.0	496.8	499.4	501.9	504.8	507.5	510.5	513.6	517.2
140°	495.4	494.2	493.7	492.7	495.2	497.7	500.5	503.2	506.3	509.4	512.7
142.5°	491.5	490.3	489.7	488.9	491.1	493.4	496.1	498.5	501.3	504.0	507.1
145°	492.7	491.9	491.4	490.9	492.4	494.1	496.0	497.9	499.9	501.9	504.4
147.5°	490.1	489.6	489.4	489.0	490.3	491.3	492.8	494.1	495.7	497.2	499.1
150°	485.5	485.2	485.0	484.9	485.7	486.4	487.3	488.1	489.2	490.2	491.5
152.5°	477.1	476.7	476.8	476.6	477.3	477.9	478.8	479.5	480.4	481.3	482.5
155°	470.8	470.4	470.0	469.6	469.9	470.0	470.5	470.6	471.2	471.4	472.1
157.5°	467.3	466.8	466.6	466.1	466.0	465.9	466.0	465.9	466.2	466.0	466.2
160°	464.1	463.1	462.6	462.0	462.3	462.1	462.5	462.4	462.7	462.8	463.1
162.5°	464.6	464.1	463.8	463.3	463.0	462.6	462.3	461.8	461.5	461.3	461.2
165°	464.6	463.9	463.3	462.6	462.5	462.3	462.2	462.0	461.9	461.7	461.9
167.5°	468.2	467.3	466.7	466.0	465.5	464.9	464.5	464.0	463.5	463.0	462.7
170°	469.1	468.4	467.9	467.3	467.1	466.8	466.7	466.3	466.1	466.0	466.0
172.5°	473.6	473.1	472.6	472.2	472.0	471.7	471.6	471.4	471.2	471.2	471.0
175°	476.6	476.4	476.3	476.0	475.7	475.5	475.1	475.0	474.8	474.4	474.1
177.5°	478.0	477.6	477.4	477.2	477.1	477.1	477.1	477.1	477.1	477.0	476.8
180°	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4



TEST NUMBER: P1444831
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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°	122.5	116.3	117.1	113.4	115.4	112.4	115.8	114.4	118.3	116.9	121.1
92.5°	59.4	62.2	67.3	72.7	77.5	82.5	87.6	93.0	97.8	103.1	108.0
95°	73.4	75.9	82.7	89.4	96.2	103.0	109.9	116.7	123.5	130.2	137.0
97.5°	92.1	93.6	100.4	107.1	113.9	120.7	127.4	134.4	141.2	147.9	154.7
100°	105.6	105.6	124.9	144.2	163.4	182.9	202.2	221.5	240.8	260.1	279.4
102.5°	196.7	201.5	250.2	299.1	347.7	396.4	445.3	494.1	542.8	591.7	640.6
105°	434.5	453.8	528.1	602.6	676.8	751.3	825.8	900.3	974.8	1049.2	1123.7
107.5°	806.4	841.4	908.5	975.8	1042.9	1110.3	1177.7	1245.0	1312.1	1379.6	1447.0
110°	1136.9	1173.8	1218.8	1264.0	1309.1	1354.1	1399.2	1444.3	1489.6	1534.8	1580.2



TEST NUMBER: P1444831
 CATALOG NUMBER: EHBR1-42-UNV-TA-L940-UPL36

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	1284.3	1308.3	1334.5	1360.9	1387.2	1413.6	1440.0	1466.3	1492.9	1519.3	1545.8
115°	1279.2	1290.7	1300.8	1311.2	1321.4	1331.8	1342.1	1352.7	1363.2	1373.7	1384.2
117.5°	1179.5	1183.7	1185.1	1186.9	1188.6	1190.5	1192.3	1194.3	1196.3	1198.3	1200.1
120°	1030.5	1029.4	1027.7	1026.2	1024.6	1023.2	1021.8	1020.4	1019.2	1018.0	1016.6
122.5°	880.1	877.6	875.9	874.5	873.2	871.9	870.7	869.6	868.5	867.3	866.1
125°	747.9	745.5	747.1	748.8	750.5	752.3	754.1	756.1	757.9	759.9	761.8
127.5°	650.8	650.1	654.1	658.3	662.4	666.7	671.1	675.5	679.6	684.2	688.3
130°	588.6	589.8	594.9	600.4	605.7	611.1	616.7	622.2	627.5	632.9	638.3
132.5°	552.5	555.3	560.2	565.4	570.6	575.9	581.1	586.4	591.7	597.0	602.0
135°	532.9	536.4	541.1	545.9	550.6	555.5	560.2	565.2	569.8	574.7	579.4
137.5°	520.4	523.9	527.8	531.6	535.4	539.4	543.3	547.2	551.1	555.0	558.8
140°	516.0	519.6	521.7	524.1	526.5	528.8	530.9	533.4	535.6	538.0	540.2
142.5°	510.1	513.4	514.6	516.3	517.7	519.6	521.2	522.7	524.1	525.5	526.9
145°	506.5	509.1	509.2	509.7	510.0	510.4	510.6	511.1	511.2	511.6	511.7
147.5°	500.8	502.7	502.4	502.4	502.4	502.3	502.3	502.3	502.1	502.0	501.9
150°	492.6	494.0	493.3	493.1	492.6	492.2	491.5	491.2	490.6	490.2	489.7
152.5°	483.5	484.5	483.7	483.4	482.7	482.1	481.4	480.9	480.2	479.6	479.1
155°	472.3	472.9	472.4	472.2	471.7	471.4	470.9	470.9	470.7	470.4	470.2
157.5°	466.4	466.5	466.3	466.0	465.6	465.6	465.4	465.3	465.2	465.3	465.4
160°	463.1	463.5	463.2	462.9	462.7	462.6	462.3	462.3	462.3	462.5	462.6
162.5°	460.8	460.7	460.3	460.1	459.9	459.9	459.8	460.0	459.8	460.0	460.1
165°	462.0	462.2	461.4	461.4	460.9	460.6	460.2	460.1	460.0	460.0	460.0
167.5°	462.5	462.3	462.3	462.4	462.4	462.6	462.7	463.1	463.3	463.8	463.9
170°	465.9	466.0	465.7	465.6	465.4	465.3	465.3	465.2	465.2	465.2	465.2
172.5°	471.0	471.0	470.6	470.2	469.7	469.5	469.1	468.9	468.4	468.2	467.8
175°	473.8	473.6	473.5	473.2	473.0	472.7	472.4	472.0	471.8	471.5	471.3
177.5°	476.7	476.4	476.4	476.4	476.3	476.1	476.1	476.0	476.0	476.0	475.7
180°	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4



TEST NUMBER: P1444831
 CATALOG NUMBER: EHBR1-42-UNV-TA-L940-UPL36

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°	112.5	109.6	101.3	98.5	90.5	85.6	76.5	72.6	64.0	62.0	56.8
92.5°	102.3	96.5	91.1	85.1	79.7	73.9	68.2	62.4	56.7	54.6	52.9
95°	128.8	120.6	112.4	104.2	95.9	87.7	79.5	71.3	63.0	61.3	59.6
97.5°	145.2	135.5	125.8	116.1	106.4	96.6	87.0	77.2	67.5	66.5	65.4
100°	257.1	234.8	212.3	189.9	167.6	145.2	122.9	100.4	78.1	76.8	75.6
102.5°	586.2	531.9	477.6	423.3	369.0	314.6	260.4	206.0	151.7	143.8	136.0
105°	1041.5	959.2	877.2	795.0	712.7	630.4	548.4	466.0	383.7	357.4	330.9
107.5°	1369.8	1292.4	1215.3	1138.1	1060.7	983.5	906.2	828.9	751.5	705.0	658.6
110°	1518.9	1457.5	1396.4	1335.0	1273.7	1212.4	1151.0	1089.6	1028.3	988.1	948.2



TEST NUMBER: P1444831
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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°	1501.0	1456.0	1411.3	1366.4	1321.4	1276.4	1231.6	1186.5	1141.5	1117.2	1093.0
115°	1357.4	1330.3	1303.5	1276.4	1249.3	1222.3	1195.3	1168.0	1140.9	1128.1	1115.4
117.5°	1186.5	1172.8	1159.2	1145.4	1131.6	1117.6	1103.9	1089.9	1076.1	1071.8	1067.2
120°	1012.8	1008.7	1004.4	1000.3	996.2	992.1	987.8	983.5	979.2	979.8	980.5
122.5°	867.8	869.5	871.4	872.9	874.7	876.2	878.1	879.4	881.0	884.5	888.0
125°	766.0	770.0	774.2	778.2	782.3	786.4	790.5	794.3	798.4	801.9	805.6
127.5°	693.2	697.6	702.4	706.7	711.5	715.9	720.5	724.8	729.4	732.6	736.1
130°	642.5	646.4	650.5	654.3	658.4	662.4	666.2	670.2	674.1	676.7	679.4
132.5°	605.7	609.3	613.0	616.4	620.1	623.6	627.2	630.7	634.5	636.3	638.4
135°	582.3	584.8	587.6	590.1	593.2	595.7	598.5	601.3	604.2	605.5	607.0
137.5°	561.0	563.2	565.6	567.7	570.1	572.2	574.7	577.0	579.6	580.1	581.3
140°	542.5	544.9	547.2	549.6	552.1	554.4	557.1	559.6	562.3	563.0	564.0
142.5°	528.9	530.6	532.4	534.2	536.3	538.1	540.3	542.5	544.6	545.4	546.2
145°	513.9	516.0	518.3	520.3	522.5	524.9	527.5	529.9	532.5	533.0	533.6
147.5°	503.6	505.3	507.4	509.3	511.3	513.2	515.6	517.7	520.0	520.5	521.0
150°	491.7	493.6	495.5	497.6	499.7	502.0	504.3	506.6	509.3	510.2	511.0
152.5°	481.2	483.2	485.4	487.7	490.0	492.5	495.1	497.6	500.3	500.9	501.9
155°	472.3	474.3	476.6	479.0	481.4	483.5	486.1	488.6	491.2	492.1	492.9
157.5°	467.3	469.1	471.2	473.3	475.3	477.4	479.8	481.8	484.3	485.0	485.7
160°	464.3	465.9	467.9	469.7	471.6	473.5	475.5	477.4	479.4	480.2	480.9
162.5°	462.0	463.7	465.6	467.1	469.2	471.0	473.1	474.8	476.8	477.5	478.2
165°	461.3	462.7	464.1	465.3	466.8	468.1	469.6	470.9	472.5	473.1	474.0
167.5°	465.2	466.0	466.9	468.0	469.3	470.3	471.5	472.5	473.7	474.5	475.2
170°	466.1	467.0	467.9	468.9	469.9	470.9	471.9	472.7	474.0	474.6	475.3
172.5°	468.4	468.8	469.6	470.1	470.9	471.3	472.2	472.8	473.6	474.4	475.0
175°	471.8	472.1	472.3	472.5	472.9	473.3	473.6	474.2	474.5	475.1	475.6
177.5°	475.9	476.1	476.4	476.5	477.0	477.2	477.6	477.7	478.1	478.8	479.5
180°	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4



TEST NUMBER: P1444831
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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°	55.3	50.5	49.3	44.8	43.2	39.9	38.5	39.1	40.3	41.1	42.5
92.5°	51.1	49.1	47.2	45.3	43.4	41.5	39.6	41.5	43.4	45.3	47.2
95°	57.9	56.2	54.5	52.8	51.1	49.4	47.7	49.4	51.1	53.0	54.7
97.5°	64.4	63.3	62.2	61.1	60.1	59.0	57.9	59.2	60.3	61.3	62.4
100°	74.3	72.9	71.7	70.4	69.1	67.9	66.6	68.1	69.3	70.6	71.9
102.5°	128.3	120.5	112.5	104.7	96.9	89.1	81.2	89.1	96.9	104.9	112.7
105°	304.5	278.2	251.6	225.2	198.7	172.3	145.8	172.4	198.8	225.3	251.8
107.5°	612.0	565.6	519.0	472.5	425.9	379.4	332.8	379.6	426.1	472.7	519.3
110°	908.0	867.9	827.9	787.7	747.5	707.4	667.2	707.5	747.7	788.0	828.2



TEST NUMBER: P1444831
 CATALOG NUMBER: EHBR1-42-UNV-TA-L940-UPL36

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	1068.5	1044.2	1019.8	995.5	970.9	946.6	922.0	946.8	971.3	996.0	1020.5
115°	1102.6	1089.7	1077.0	1064.1	1051.1	1038.2	1025.1	1038.6	1051.7	1064.9	1078.0
117.5°	1062.7	1058.3	1053.8	1049.3	1044.7	1040.2	1035.4	1040.4	1045.3	1050.4	1055.0
120°	980.8	981.6	982.0	982.4	982.9	983.3	983.5	983.7	983.7	983.7	983.6
122.5°	891.3	894.8	898.1	901.4	904.6	907.9	910.9	908.4	905.7	903.0	900.1
125°	808.9	812.7	816.1	819.5	822.8	826.3	829.2	826.8	824.1	821.3	818.5
127.5°	739.3	742.4	745.5	748.9	751.7	754.6	757.3	755.4	753.0	750.7	748.1
130°	681.7	684.5	686.6	689.0	691.2	693.3	695.2	694.0	692.5	691.3	689.4
132.5°	640.2	642.3	644.2	646.0	647.5	649.2	650.3	649.9	649.1	648.3	647.1
135°	608.4	609.7	611.0	612.4	613.3	614.3	614.9	615.2	614.9	614.7	614.1
137.5°	581.9	582.8	583.4	584.0	584.4	584.8	584.8	585.6	586.0	586.8	586.8
140°	564.7	565.6	566.3	566.9	567.4	567.9	567.7	568.8	569.1	569.6	569.6
142.5°	547.1	547.9	548.6	549.3	549.6	550.0	550.0	550.9	551.3	551.7	551.8
145°	534.3	534.7	535.1	535.6	535.8	535.9	535.6	536.7	537.4	537.9	538.5
147.5°	521.5	522.1	522.4	522.7	522.8	522.9	522.8	523.7	524.5	525.1	525.5
150°	511.8	512.6	513.2	514.0	514.5	514.8	514.9	515.6	515.9	516.3	516.4
152.5°	502.4	503.1	503.8	504.3	504.8	505.1	505.3	505.9	506.4	506.9	507.1
155°	493.7	494.6	495.4	496.1	496.6	497.1	497.7	498.2	498.5	498.8	499.0
157.5°	486.4	487.3	487.9	488.6	489.2	490.0	490.4	491.0	491.3	491.9	492.1
160°	481.5	482.4	482.9	483.6	484.3	484.8	485.4	485.9	486.4	486.8	487.3
162.5°	478.8	479.5	479.9	480.6	481.3	481.9	482.4	483.1	483.5	484.0	484.4
165°	474.9	475.7	476.4	477.2	478.1	478.9	479.4	479.9	480.1	480.3	480.4
167.5°	475.9	476.7	477.4	478.1	478.7	479.6	480.3	480.6	480.7	480.9	481.0
170°	475.9	476.6	477.4	477.9	478.6	479.3	479.8	480.0	480.1	480.3	480.4
172.5°	475.7	476.5	477.3	478.1	478.9	479.6	480.4	480.4	480.2	480.0	479.7
175°	476.2	476.9	477.5	478.1	478.7	479.3	480.1	479.7	479.7	479.3	479.2
177.5°	480.3	481.2	481.8	482.5	483.3	484.0	484.7	484.1	483.5	483.1	482.4
180°	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4



TEST NUMBER: P1444831
 CATALOG NUMBER: EHBR1-42-UNV-TA-L940-UPL36

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°	43.4	44.6	45.7	47.0	48.7	52.2	55.9	59.4	63.5	66.9	70.7
92.5°	49.1	51.1	53.0	55.0	56.8	62.5	68.3	74.0	79.9	85.4	91.2
95°	56.4	58.0	59.8	61.7	63.4	71.6	79.8	88.1	96.3	104.6	112.8
97.5°	63.6	64.7	65.8	66.9	68.1	77.8	87.6	97.3	107.0	116.7	126.3
100°	73.3	74.6	75.9	77.2	78.5	101.0	123.4	145.9	168.3	190.6	213.1
102.5°	120.7	128.6	136.4	144.5	152.3	206.7	261.1	315.5	369.7	424.2	478.5
105°	278.4	304.8	331.6	358.0	384.5	466.8	549.2	631.6	713.6	796.0	878.4
107.5°	566.0	612.6	659.2	705.8	752.4	829.9	907.3	984.7	1062.2	1139.5	1216.7
110°	868.7	908.6	949.2	989.4	1029.7	1091.0	1152.6	1213.9	1275.4	1336.8	1398.2



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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°	1045.1	1069.6	1094.2	1118.4	1143.0	1188.1	1233.5	1278.5	1323.7	1368.5	1413.6
115°	1091.1	1103.8	1116.9	1129.8	1142.9	1170.2	1197.4	1224.6	1251.9	1279.0	1306.3
117.5°	1059.8	1064.6	1069.3	1073.7	1078.5	1092.4	1106.5	1120.5	1134.6	1148.5	1162.5
120°	983.5	983.2	982.9	982.4	982.1	986.4	991.0	995.3	999.7	1004.0	1008.2
122.5°	897.1	893.9	890.8	887.7	884.5	882.9	881.6	880.0	878.8	877.1	875.7
125°	815.4	812.2	809.0	805.7	802.3	798.5	794.7	790.8	786.9	782.9	778.9
127.5°	745.7	742.7	740.0	736.9	734.0	729.5	725.2	720.7	716.5	712.0	707.7
130°	687.8	685.7	683.8	681.3	679.4	675.3	671.6	667.8	664.0	660.1	656.3
132.5°	646.0	644.5	643.2	641.3	639.9	636.4	633.2	629.5	626.2	622.7	619.5
135°	613.7	612.8	612.2	611.0	610.0	607.3	604.9	602.2	599.7	597.0	594.5
137.5°	586.9	586.6	586.5	586.1	585.8	583.5	581.5	579.3	577.2	575.0	573.0
140°	569.8	569.6	569.5	569.1	568.9	566.5	564.3	562.0	559.7	557.4	555.2
142.5°	551.9	551.8	551.8	551.4	551.3	549.4	547.8	546.0	544.3	542.4	540.7
145°	538.8	539.0	539.1	539.1	539.3	537.1	535.1	532.9	531.0	528.9	526.9
147.5°	526.1	526.3	526.6	526.8	527.1	525.2	523.8	521.8	520.2	518.5	516.9
150°	516.6	516.6	516.8	516.6	516.5	514.6	513.1	511.2	509.6	507.7	506.1
152.5°	507.3	507.5	507.7	507.8	508.0	506.3	504.4	502.5	500.7	498.7	496.8
155°	499.3	499.4	499.5	499.5	499.5	497.9	496.2	494.2	492.6	490.8	489.1
157.5°	492.4	492.7	492.8	493.0	493.1	491.6	490.1	488.6	487.2	485.7	484.2
160°	487.5	487.9	488.2	488.3	488.6	487.3	486.3	484.7	483.7	482.2	480.8
162.5°	484.7	485.1	485.4	485.5	485.8	484.5	483.4	482.1	480.9	479.4	478.2
165°	480.7	480.7	480.8	480.7	480.8	480.0	479.2	478.4	477.6	476.5	475.7
167.5°	481.1	481.1	481.3	481.1	481.2	480.5	480.3	479.5	478.9	478.2	477.6
170°	480.4	480.4	480.5	480.4	480.4	479.8	479.2	478.7	478.3	477.4	476.7
172.5°	479.6	479.4	479.1	479.1	478.7	478.2	478.0	477.6	477.3	476.8	476.4
175°	478.9	478.7	478.4	478.2	477.8	477.7	477.5	477.5	477.3	477.0	476.8
177.5°	482.0	481.6	480.9	480.4	479.8	479.6	479.6	479.3	479.3	479.1	479.0
180°	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4



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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°	74.3	88.0	91.5	89.3	83.8	81.0	75.8	73.6	68.8	66.6	62.0
92.5°	96.9	102.7	108.4	103.2	98.2	93.1	88.0	82.8	77.9	72.7	67.7
95°	121.1	129.1	137.4	130.6	123.7	116.9	110.1	103.4	96.6	89.8	83.1
97.5°	136.0	145.6	155.1	148.3	141.6	134.7	127.9	121.2	114.4	107.5	100.8
100°	235.5	257.5	279.8	260.5	241.1	221.9	202.6	183.3	164.0	144.8	125.3
102.5°	532.7	586.8	641.0	592.1	543.2	494.5	445.8	396.9	348.2	299.3	250.6
105°	960.4	1042.2	1124.3	1049.6	975.2	900.7	826.3	751.8	677.3	602.9	528.5
107.5°	1294.0	1370.5	1447.5	1380.2	1312.8	1245.6	1178.1	1110.8	1043.4	976.1	908.8
110°	1459.5	1519.8	1580.9	1535.5	1490.4	1445.0	1399.8	1354.6	1309.5	1264.4	1219.3



TEST NUMBER: P1444831
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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°	1458.5	1502.1	1546.6	1520.0	1493.6	1467.0	1440.6	1414.1	1387.9	1361.2	1335.1
115°	1333.2	1358.6	1385.3	1374.5	1364.1	1353.6	1343.0	1332.6	1322.1	1311.7	1301.5
117.5°	1176.3	1188.2	1201.5	1199.2	1197.4	1195.2	1193.4	1191.4	1189.7	1187.8	1186.1
120°	1012.5	1014.6	1018.2	1019.3	1020.7	1021.8	1023.2	1024.4	1025.8	1027.1	1028.7
122.5°	874.2	870.1	867.7	868.9	870.1	871.0	872.3	873.4	874.7	875.9	877.3
125°	775.1	768.3	763.6	761.6	759.8	757.8	755.8	754.0	752.2	750.4	748.7
127.5°	703.1	695.8	690.5	686.3	682.0	677.6	673.3	668.8	664.6	660.3	656.3
130°	652.5	645.4	640.7	635.2	630.1	624.4	619.2	613.7	608.3	602.9	597.6
132.5°	615.8	609.0	604.7	599.6	594.7	589.2	584.1	578.8	573.7	568.2	563.3
135°	591.9	585.7	582.3	577.4	573.1	568.2	563.5	558.6	554.0	549.0	544.6
137.5°	570.6	564.8	561.9	558.0	554.4	550.5	547.0	542.9	539.2	535.0	531.5
140°	552.7	546.5	543.3	541.2	539.2	536.8	534.8	532.4	530.4	528.1	525.9
142.5°	539.0	532.9	530.3	528.9	527.7	526.2	525.1	523.6	522.2	520.5	519.1
145°	524.9	518.1	515.1	514.8	514.8	514.7	514.5	514.4	514.1	513.8	513.5
147.5°	515.0	508.2	505.3	505.6	505.9	505.9	506.3	506.3	506.6	506.7	507.0
150°	504.1	496.3	492.9	493.6	494.1	494.6	495.2	495.7	496.5	496.9	497.5
152.5°	494.8	485.7	481.8	482.4	483.2	483.7	484.5	485.2	486.0	486.7	487.4
155°	487.0	477.0	473.0	473.1	473.4	473.6	473.9	474.4	474.8	475.2	475.7
157.5°	482.4	472.1	468.2	467.9	468.1	468.1	468.2	468.4	468.6	468.8	469.4
160°	479.3	469.2	465.4	465.1	465.2	465.2	465.1	465.3	465.5	465.6	466.0
162.5°	476.6	466.7	463.0	462.7	462.5	462.6	462.7	462.5	462.7	462.7	463.1
165°	474.6	465.8	462.7	462.7	462.7	462.8	462.9	463.2	463.5	463.8	464.1
167.5°	476.8	469.0	466.5	466.1	465.7	465.4	465.4	464.9	464.9	464.6	464.6
170°	476.1	469.8	467.6	467.5	467.7	467.8	467.7	467.8	467.8	467.9	468.1
172.5°	475.9	471.4	469.7	470.0	470.4	470.8	471.1	471.5	471.9	472.3	472.7
175°	476.6	473.8	473.2	473.1	473.4	473.6	473.7	474.0	474.2	474.4	475.0
177.5°	478.9	478.0	477.6	477.6	477.6	477.6	477.6	477.6	477.6	477.7	477.7
180°	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4



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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°	60.2	57.1	56.6	53.3	53.7	50.0	51.3	48.0	49.8	45.7	52.0
92.5°	62.5	59.8	57.0	54.3	51.5	48.8	46.0	43.2	40.5	37.7	40.5
95°	76.3	73.8	71.2	68.6	66.1	63.4	60.9	58.4	55.8	53.3	56.5
97.5°	94.0	92.5	91.0	89.5	88.0	86.6	85.2	83.7	82.0	80.5	82.6
100°	106.0	106.0	106.0	106.0	105.8	105.8	105.8	105.8	105.8	105.8	107.5
102.5°	201.8	196.9	192.1	187.0	182.1	177.3	172.4	167.5	162.7	157.8	165.0
105°	454.0	434.9	415.8	396.7	377.6	358.5	339.5	320.4	301.4	282.3	301.9
107.5°	841.7	806.8	772.1	737.3	702.5	667.8	633.1	598.3	563.6	528.9	560.0
110°	1174.2	1137.3	1100.2	1063.4	1026.4	989.5	952.6	915.8	878.9	842.1	871.7



TEST NUMBER: P1444831
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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°	1308.8	1284.6	1260.9	1237.0	1213.2	1189.4	1165.7	1141.9	1118.3	1094.5	1108.9
115°	1291.1	1279.7	1268.2	1256.9	1245.5	1234.1	1222.7	1211.5	1200.2	1189.1	1189.9
117.5°	1184.2	1180.2	1176.5	1172.6	1168.7	1165.0	1161.3	1157.7	1153.9	1150.5	1142.5
120°	1030.4	1031.3	1032.4	1033.6	1034.9	1036.1	1037.2	1038.7	1040.2	1041.7	1030.9
122.5°	878.7	881.2	883.9	886.7	889.5	892.5	895.5	898.7	901.8	905.0	894.2
125°	746.9	749.4	752.0	754.6	757.2	760.2	763.2	766.4	769.4	772.7	763.6
127.5°	652.1	652.8	653.5	654.5	655.3	656.4	657.7	659.0	660.5	662.2	656.5
130°	592.2	591.0	589.7	588.7	587.5	586.9	586.2	585.5	585.0	584.7	582.2
132.5°	558.0	555.4	552.9	550.4	548.1	546.0	543.9	542.1	540.4	538.8	538.0
135°	539.6	536.3	532.9	529.5	526.3	523.5	520.5	517.9	515.3	512.9	513.4
137.5°	527.6	524.3	520.8	517.6	514.4	511.6	508.6	505.8	503.3	500.9	502.0
140°	523.6	520.2	516.8	513.6	510.6	507.7	504.8	502.3	499.4	497.2	497.9
142.5°	517.6	514.7	511.6	508.8	505.8	503.2	500.7	498.3	495.7	493.8	494.5
145°	513.2	511.1	508.8	506.5	504.5	502.7	500.6	498.9	497.2	495.9	496.2
147.5°	507.0	505.4	503.6	502.1	500.3	499.1	497.5	496.3	495.1	494.1	494.1
150°	498.1	497.0	495.8	494.9	493.8	492.8	491.9	491.2	490.3	489.8	489.7
152.5°	488.2	487.3	486.2	485.4	484.5	483.7	482.9	482.3	481.6	481.0	480.9
155°	476.2	475.7	475.3	475.0	474.7	474.6	474.2	474.1	473.8	473.7	473.8
157.5°	469.5	469.5	469.3	469.5	469.5	469.4	469.4	469.6	469.5	469.8	470.0
160°	466.5	466.2	466.0	465.9	465.7	465.5	465.5	465.5	465.5	465.4	465.8
162.5°	463.3	463.7	463.8	464.0	464.3	464.6	465.0	465.5	465.7	466.2	466.6
165°	464.6	464.6	464.5	464.3	464.5	464.6	464.6	464.9	464.9	465.3	465.8
167.5°	464.5	464.8	464.9	465.3	465.5	466.0	466.3	466.9	467.4	468.1	468.5
170°	468.0	468.0	468.0	468.0	468.0	468.2	468.3	468.4	468.6	469.0	469.3
172.5°	473.0	473.0	472.8	473.0	472.8	473.0	473.0	473.2	473.2	473.3	473.5
175°	474.9	475.3	475.5	475.9	476.0	476.2	476.4	476.6	476.8	477.1	477.1
177.5°	477.7	477.8	477.8	477.8	477.8	477.9	477.9	477.9	477.9	477.8	478.0
180°	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4



TEST NUMBER: P1444831
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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°	51.7	57.0	57.1	62.0	62.5	68.1	68.9	74.3	74.8	80.3	81.6
92.5°	43.2	46.0	48.7	51.5	54.2	57.0	59.7	62.5	68.5	74.1	80.3
95°	59.6	62.8	66.0	69.2	72.4	75.6	78.7	81.9	90.6	99.2	108.0
97.5°	84.9	86.8	89.0	91.0	93.2	95.3	97.4	99.5	109.0	118.3	127.6
100°	109.2	110.9	112.5	114.3	116.0	117.7	119.3	121.0	139.2	157.2	175.2
102.5°	172.2	179.4	186.6	193.8	201.1	208.4	215.6	222.8	264.1	305.4	346.8
105°	321.7	341.4	361.2	380.9	400.6	420.3	440.1	459.8	526.0	592.1	658.3
107.5°	591.1	622.2	653.4	684.7	715.8	747.0	778.1	809.4	873.9	938.5	1003.0
110°	901.4	931.2	960.8	990.5	1020.2	1050.1	1079.8	1109.7	1148.4	1187.1	1225.9



TEST NUMBER: P1444831
 CATALOG NUMBER: EHBR1-42-UNV-TA-L940-UPL36

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	1123.4	1137.8	1152.4	1166.9	1181.3	1196.0	1210.5	1225.2	1244.7	1264.0	1283.4
115°	1190.8	1191.7	1192.8	1193.7	1194.8	1195.8	1197.1	1198.2	1204.3	1210.5	1216.7
117.5°	1134.5	1126.5	1118.8	1110.8	1103.1	1095.5	1087.8	1080.3	1079.1	1077.9	1076.9
120°	1020.4	1009.8	999.2	988.7	978.3	967.9	957.7	947.5	942.3	937.1	932.0
122.5°	883.6	873.0	862.6	852.2	841.8	831.7	821.6	811.6	807.9	804.4	800.9
125°	754.7	746.0	737.2	728.7	720.3	711.9	703.8	695.5	695.5	695.2	695.4
127.5°	651.1	645.8	640.6	635.5	630.6	625.7	620.8	616.1	618.6	620.9	623.5
130°	579.9	577.5	575.6	573.3	571.8	569.8	568.0	566.3	570.6	574.5	578.8
132.5°	537.8	537.5	537.4	537.2	537.4	537.5	537.9	538.0	543.0	547.5	552.5
135°	514.0	514.7	515.8	516.7	518.0	519.2	520.6	521.7	526.5	530.9	535.6
137.5°	503.1	504.1	505.5	506.9	508.7	510.1	512.0	513.6	517.2	521.0	524.6
140°	498.8	499.6	500.9	502.1	503.4	504.7	506.3	507.7	510.7	513.5	516.4
142.5°	495.4	496.2	497.3	498.5	499.7	500.9	502.3	503.6	505.8	507.7	510.3
145°	497.0	497.5	498.4	499.3	500.2	501.1	502.3	503.2	504.7	506.0	507.4
147.5°	494.7	495.1	495.6	496.3	497.0	497.6	498.2	498.9	499.9	500.8	501.8
150°	490.0	490.0	490.4	490.6	491.2	491.4	492.0	492.4	493.1	493.9	494.8
152.5°	481.3	481.3	481.7	481.8	482.1	482.5	482.7	483.2	483.9	484.5	485.4
155°	474.2	474.8	475.2	475.6	476.3	476.4	477.1	477.5	478.0	478.6	479.1
157.5°	470.6	470.8	471.4	471.7	472.3	472.6	473.1	473.5	474.1	474.5	475.0
160°	466.5	467.2	467.8	468.5	469.2	469.8	470.5	471.1	471.7	472.1	472.5
162.5°	467.1	467.6	468.1	468.4	468.9	469.5	469.8	470.3	471.1	471.5	472.4
165°	466.5	467.1	468.0	468.3	469.2	469.9	470.5	471.1	471.5	472.1	472.4
167.5°	469.3	469.7	470.6	471.2	471.9	472.4	473.2	473.7	474.2	474.5	475.0
170°	469.9	470.5	471.0	471.7	472.3	472.7	473.5	473.9	474.6	475.0	475.8
172.5°	474.0	474.4	474.9	475.2	475.7	476.3	476.8	477.1	477.7	478.1	478.6
175°	477.1	477.1	477.2	477.4	477.5	477.5	477.6	477.8	477.9	478.1	478.2
177.5°	478.2	478.5	478.7	478.9	479.1	479.3	479.5	479.7	479.7	479.7	479.7
180°	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4



TEST NUMBER: P1444831
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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°	88.3	90.2	97.2	99.4	107.6	110.6	113.2	109.7	112.0	108.7	111.1
92.5°	85.9	92.1	98.0	104.0	109.8	115.9	110.3	104.8	99.3	93.9	88.3
95°	116.6	125.3	134.0	142.7	151.4	160.1	150.7	141.5	132.2	122.9	113.6
97.5°	137.0	146.3	155.6	164.9	174.3	183.6	172.6	161.6	150.6	139.7	128.7
100°	193.2	211.4	229.4	247.4	265.5	283.5	263.1	242.5	222.2	201.6	181.1
102.5°	388.2	429.5	470.9	512.4	553.7	595.0	551.6	508.2	464.5	421.1	377.5
105°	724.5	790.7	856.8	923.1	989.2	1055.6	985.0	914.5	843.9	773.5	702.7
107.5°	1067.7	1132.0	1196.8	1261.3	1325.9	1390.7	1319.2	1247.5	1176.1	1104.4	1032.8
110°	1264.8	1303.6	1342.5	1381.4	1420.2	1459.2	1406.9	1354.8	1302.5	1250.3	1198.0



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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°	1302.7	1322.5	1341.8	1361.4	1380.8	1400.4	1363.1	1325.9	1288.5	1251.3	1213.8
115°	1223.1	1229.3	1235.6	1242.0	1248.2	1254.6	1229.4	1204.2	1179.2	1154.0	1128.7
117.5°	1075.9	1075.0	1073.8	1073.1	1071.9	1070.9	1057.0	1043.0	1028.9	1014.7	1000.6
120°	926.8	921.9	916.7	911.6	906.5	901.3	895.5	889.6	883.6	877.6	871.6
122.5°	797.3	794.0	790.4	787.0	783.3	779.7	777.5	775.3	773.1	770.8	768.3
125°	695.4	695.2	695.2	695.3	695.0	695.0	693.8	692.8	691.6	690.5	689.2
127.5°	625.8	628.2	630.5	633.0	635.0	637.4	637.2	637.0	636.7	636.4	636.1
130°	582.7	587.1	591.1	594.9	598.8	603.1	602.3	601.7	601.1	600.5	600.0
132.5°	557.2	561.9	566.4	571.3	575.8	580.3	579.6	578.9	577.9	577.3	576.4
135°	540.0	544.5	548.7	553.3	557.5	561.9	560.9	559.9	558.8	558.0	556.9
137.5°	528.0	531.9	535.2	538.8	542.0	545.6	544.5	543.5	542.4	541.5	540.4
140°	519.2	522.1	524.7	527.6	530.3	533.0	531.6	530.5	529.0	527.8	526.3
142.5°	512.2	514.5	516.2	518.6	520.4	522.6	520.5	518.7	516.9	515.1	513.2
145°	508.8	510.3	511.6	512.9	513.9	515.4	513.1	511.1	508.7	506.7	504.5
147.5°	502.5	503.5	504.0	505.0	505.5	506.4	504.3	502.3	500.1	498.0	495.8
150°	495.4	496.3	496.8	497.7	498.2	499.0	496.8	494.6	492.3	490.1	487.9
152.5°	486.0	486.8	487.3	487.9	488.6	489.1	487.0	485.1	482.9	480.7	478.6
155°	479.4	480.1	480.3	480.8	480.9	481.3	479.4	477.8	476.1	474.2	472.3
157.5°	475.3	475.9	476.3	476.4	476.7	477.1	475.7	474.5	473.0	471.7	470.3
160°	472.9	473.3	473.6	473.9	474.3	474.4	473.2	472.3	471.1	469.9	468.6
162.5°	472.9	473.6	474.0	474.5	475.0	475.5	474.1	472.9	471.5	470.1	468.7
165°	472.8	473.2	473.6	473.9	474.0	474.4	473.5	472.6	471.6	470.8	469.6
167.5°	475.2	475.7	476.0	476.4	476.4	476.7	475.8	475.0	474.0	473.1	472.1
170°	476.1	476.5	477.1	477.6	477.9	478.2	477.7	476.9	476.1	475.3	474.4
172.5°	479.1	479.5	479.7	480.2	480.4	480.8	480.1	479.2	478.5	477.7	476.7
175°	478.2	478.3	478.6	478.6	478.6	478.7	478.0	477.4	476.8	476.2	475.5
177.5°	479.7	479.7	479.7	479.6	479.6	479.6	479.1	478.8	478.3	477.9	477.3
180°	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4



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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°	107.8	110.7	107.3	110.3	108.9	113.1	112.4	116.7	115.5	119.1	116.7
92.5°	82.8	77.3	71.9	66.3	63.5	60.6	58.3	55.1	52.5	49.6	46.8
95°	104.3	94.9	85.6	76.3	73.1	69.9	66.7	63.5	60.3	57.1	53.9
97.5°	117.7	106.7	95.7	84.7	81.9	79.2	76.3	73.6	70.8	68.1	65.3
100°	160.5	140.0	119.5	98.9	96.6	94.3	92.0	89.6	87.3	84.8	82.5
102.5°	334.0	290.3	246.7	203.1	194.8	186.6	178.3	170.0	161.7	153.5	145.2
105°	632.1	561.4	490.8	420.1	397.6	375.2	352.7	330.2	307.7	285.3	262.8
107.5°	961.1	889.3	817.6	745.9	704.6	663.1	621.6	579.9	538.6	496.8	455.4
110°	1145.7	1093.3	1041.0	988.5	955.2	921.8	888.3	854.9	821.5	787.9	754.4



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CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1176.4	1138.9	1101.5	1063.8	1048.8	1033.6	1018.6	1003.4	988.2	972.9	957.7
115°	1103.4	1078.2	1052.8	1027.3	1022.2	1016.8	1011.6	1006.1	1000.7	995.2	989.7
117.5°	986.5	972.4	958.1	943.9	944.7	945.6	946.6	947.3	948.1	948.8	949.4
120°	865.4	859.4	853.4	847.2	852.0	856.5	861.2	865.6	870.1	874.3	878.6
122.5°	766.1	763.7	761.4	758.8	764.5	770.1	775.5	781.0	786.3	791.4	796.6
125°	688.2	686.9	685.8	684.3	690.2	695.7	701.3	706.6	712.1	717.1	722.3
127.5°	635.9	635.7	635.4	635.0	639.2	643.0	646.9	650.7	654.5	657.9	661.5
130°	599.3	598.6	598.1	597.4	601.1	604.6	608.3	611.5	615.0	618.0	621.0
132.5°	575.8	574.8	574.1	573.1	575.9	578.5	581.1	583.3	585.6	587.6	589.6
135°	555.9	554.8	553.9	552.7	555.3	557.7	560.1	562.2	564.3	566.0	567.8
137.5°	539.4	538.3	537.2	536.1	538.4	540.5	542.7	544.5	546.3	548.0	549.5
140°	525.2	523.7	522.6	521.1	523.1	524.9	526.8	528.5	530.2	531.5	533.0
142.5°	511.5	509.3	507.7	505.8	507.2	508.6	509.9	511.1	512.4	513.3	514.2
145°	502.3	499.9	498.0	495.6	496.8	497.9	499.0	500.0	500.7	501.3	502.2
147.5°	494.0	491.5	489.4	487.3	488.4	489.0	489.7	490.2	491.1	491.4	491.9
150°	485.7	483.2	480.9	478.7	479.3	479.9	480.4	481.1	481.7	481.9	482.4
152.5°	476.4	474.2	472.0	469.6	470.2	470.6	471.0	471.3	471.8	472.1	472.3
155°	470.6	468.7	466.8	464.7	465.4	465.5	465.9	466.2	466.4	466.6	466.8
157.5°	468.8	467.1	465.8	464.1	464.1	464.2	464.4	464.1	464.1	464.0	463.9
160°	467.6	466.1	464.9	463.5	463.4	463.4	463.6	463.2	463.2	462.8	462.7
162.5°	467.2	465.7	464.1	462.6	462.5	462.7	462.6	462.3	462.3	462.0	461.8
165°	468.8	467.6	466.5	465.3	465.2	464.9	464.8	464.2	464.1	463.5	463.1
167.5°	470.9	469.9	468.6	467.4	467.4	467.6	467.5	467.3	467.4	467.0	467.0
170°	473.6	472.6	471.8	470.9	470.6	470.5	470.2	469.9	469.5	469.4	469.0
172.5°	475.8	475.0	474.0	472.9	472.9	472.8	472.5	472.4	472.1	471.8	471.7
175°	474.8	474.2	473.3	472.6	472.5	472.4	472.3	472.2	471.9	471.8	471.5
177.5°	476.9	476.4	475.9	475.4	475.2	475.2	475.1	475.0	475.0	474.9	474.8
180°	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4



TEST NUMBER: P1444831
 CATALOG NUMBER: EHBR1-42-UNV-TA-L940-UPL36

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°	120.0	117.2
92.5°	44.3	41.8
95°	50.8	47.6
97.5°	62.6	59.8
100°	80.1	77.8
102.5°	137.0	128.8
105°	240.4	217.9
107.5°	413.8	372.4
110°	721.0	687.6



TEST NUMBER: P1444831
CATALOG NUMBER: EHBR1-42-UNV-TA-L940-UPL36

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	942.5	927.2
115°	984.0	978.5
117.5°	950.0	950.5
120°	882.6	886.8
122.5°	801.5	806.3
125°	727.1	732.1
127.5°	664.6	667.7
130°	623.5	626.3
132.5°	591.3	592.8
135°	569.1	570.6
137.5°	550.6	551.9
140°	533.8	534.9
142.5°	514.9	515.5
145°	502.6	503.1
147.5°	491.7	492.1
150°	482.4	482.6
152.5°	472.3	472.5
155°	466.7	466.8
157.5°	463.5	463.3
160°	462.4	462.2
162.5°	461.4	461.3
165°	462.6	462.0
167.5°	466.7	466.6
170°	468.6	468.3
172.5°	471.3	471.0
175°	471.4	471.3
177.5°	474.8	474.5
180°	477.4	477.4

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

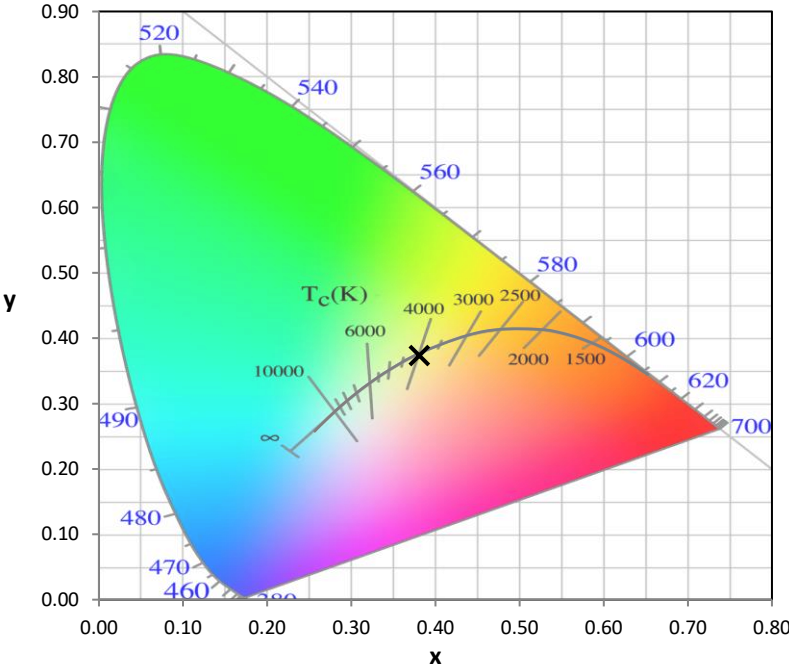
Stabilization Time: 44M
 Operation Time: 1H 44M
 Sphere Temperature (°C): 25.0

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

λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)
360	0	NR	490	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



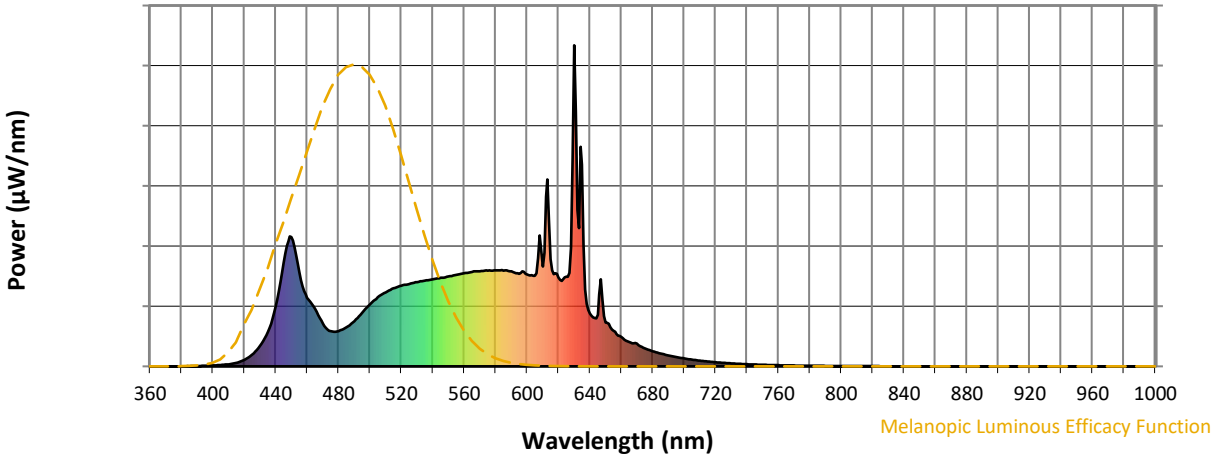
Scotopic Lumens: NR

S/P: 1.76

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	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 [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	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)