

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: P1444819

Luminaire Tested: EHBR1-36-UNV-TA-L940-UPL15

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444819
REPORT IS A COMBINATION OF REPORTS P1444313 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-36-UNV-TA-L940-UPL15
Description: Elevate Round Highbay at, 36000 lumens, 4000K 90CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

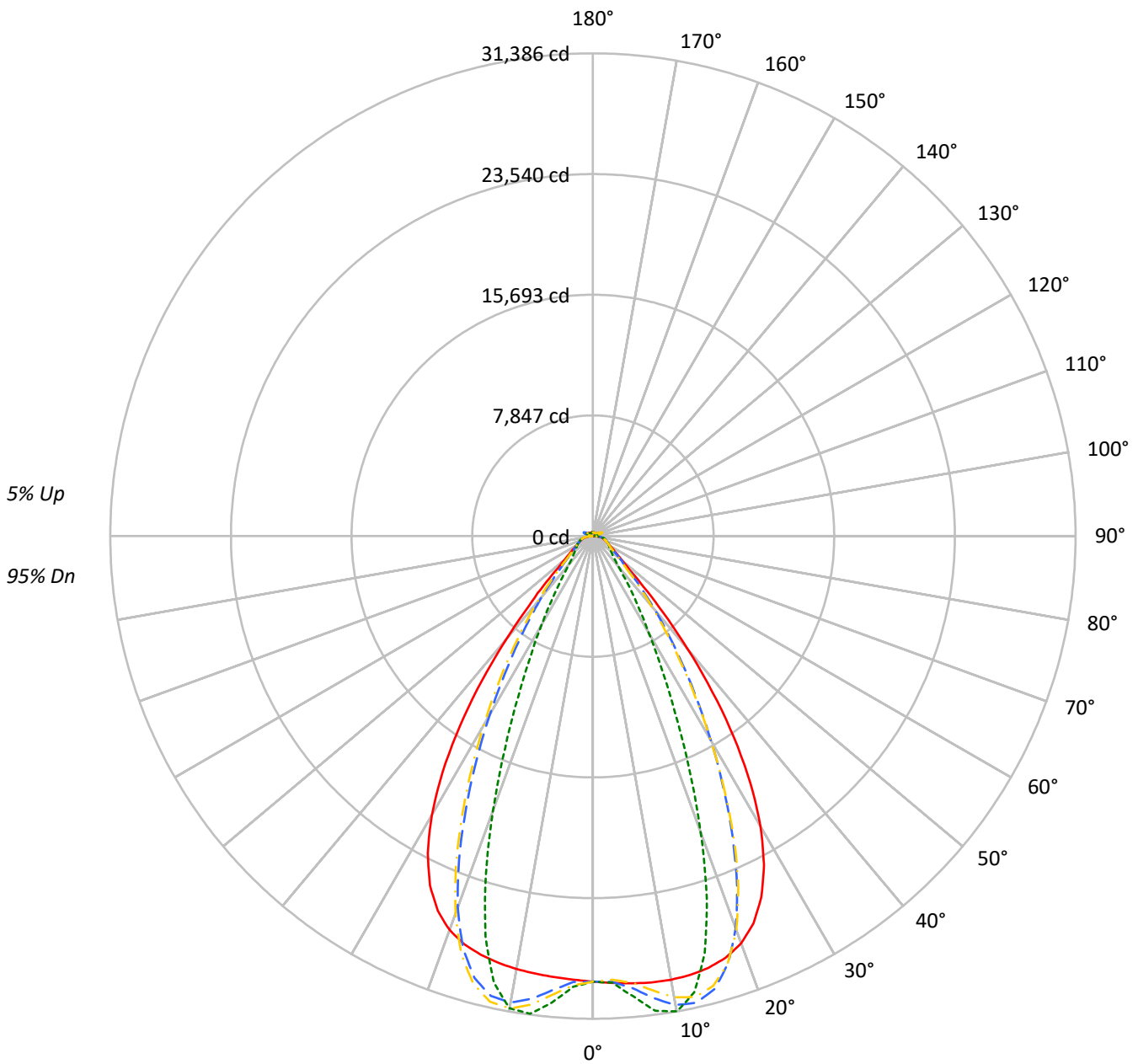
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34928.3 lumens
Efficiency: N/A
Efficacy: 174.0 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): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	136054	136054	136054	136054
5°	136712	140699	134799	142542
10°	137854	147723	134548	146745
15°	138530	133909	134312	128518
20°	137097	99758	132610	92300
25°	129769	63091	125479	57244
30°	113362	37913	108971	34649
35°	87245	23790	82226	21074
40°	55190	14923	50494	14023
45°	28446	11626	27975	11435
50°	16677	10341	16166	10180
55°	12776	9784	12304	9696
60°	10811	9995	10351	9865
65°	10154	10437	9766	10082
70°	9920	10928	9426	10518
75°	10607	11591	10034	11077
80°	10976	12835	9953	11715
85°	10338	12386	8353	10605

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 43533 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2855.2	8.2
10°-20°	8032.0	23.0
20°-30°	9147.9	26.2
30°-40°	6575.1	18.8
40°-50°	3032.4	8.7
50°-60°	1451.1	4.2
60°-70°	1058.8	3.0
70°-80°	804.4	2.3
80°-90°	368.3	1.1
90°-100°	48.3	0.1
100°-110°	250.2	0.7
110°-120°	461.7	1.3
120°-130°	289.7	0.8
130°-140°	195.6	0.6
140°-150°	152.6	0.4
150°-160°	111.2	0.3
160°-170°	69.5	0.2
170°-180°	24.3	0.1
0°-30°	20035.1	57.4
0°-40°	26610.2	76.2
0°-60°	31093.7	89.0
0°-90°	33325.2	95.4
90°-120°	760.3	2.2
90°-150°	1398.2	4.0
90°-180°	1603.0	4.6
0°-180°	34928.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	28972	28972	28972	28972	28972	
5°	29190	30041	28782	30435	29190	2789
15°	29063	28094	28178	26962	29063	8189
25°	25915	12599	25058	11432	25915	11748
35°	16012	4366	15091	3868	16012	9827
45°	4602	1881	4526	1850	4602	3914
55°	1727	1322	1663	1310	1727	1594
65°	1060	1089	1019	1052	1060	1059
75°	747	816	707	780	747	777
85°	355	426	287	364	355	334
90°	90	116	22	28	90	57
95°	22	24	22	24	22	21
105°	93	117	64	118	93	122
115°	406	486	425	486	406	375
125°	316	320	356	322	316	287
135°	262	223	281	226	262	204
145°	245	229	259	234	245	154
155°	237	234	251	237	237	110
165°	244	241	252	243	244	69
175°	254	255	258	256	254	24
180°	257	257	257	257	257	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7
2.5°	29082.3	29079.9	29079.5	29077.5	29076.9	29076.9	29076.0	29073.6	29072.1	29068.8	29065.0
5°	29190.2	29188.9	29189.7	29189.9	29187.9	29183.3	29176.3	29167.6	29156.6	29146.3	29137.1
7.5°	29273.7	29275.7	29278.3	29277.7	29271.4	29260.8	29246.3	29238.1	29243.0	29258.7	29294.8
10°	29288.9	29301.4	29306.2	29304.7	29292.1	29282.9	29286.5	29317.1	29378.2	29459.8	29571.2
12.5°	29229.5	29244.8	29244.3	29239.2	29226.9	29239.4	29283.9	29375.3	29506.2	29666.9	29855.5
15°	29062.8	29082.5	29076.9	29070.4	29062.2	29103.1	29192.0	29350.7	29552.9	29779.6	30011.7
17.5°	28739.0	28762.9	28751.3	28743.9	28737.0	28813.7	28966.3	29198.6	29453.4	29709.8	29929.7
20°	28177.5	28193.5	28165.9	28152.9	28163.8	28314.1	28538.8	28835.5	29104.1	29346.6	29496.9
22.5°	27261.1	27280.9	27229.1	27223.1	27287.1	27517.8	27802.2	28133.9	28386.2	28578.4	28636.3
25°	25914.7	25934.1	25872.5	25909.3	26018.3	26332.5	26671.1	27026.0	27241.3	27383.7	27344.4
27.5°	24097.2	24115.1	24056.7	24131.9	24303.9	24716.9	25115.5	25500.4	25692.3	25792.0	25665.6
30°	21805.2	21842.2	21773.2	21878.1	22140.8	22676.9	23133.6	23565.2	23756.6	23832.4	23635.8
32.5°	19082.8	19135.5	19059.4	19215.6	19582.2	20226.1	20744.9	21227.2	21438.8	21525.5	21303.3
35°	16012.5	16088.0	16000.7	16235.0	16687.2	17404.3	17978.7	18517.2	18767.8	18890.7	18666.8
37.5°	12759.4	12831.6	12784.3	13096.9	13593.4	14336.6	14923.0	15503.9	15786.9	15971.3	15794.7
40°	9565.8	9631.7	9667.5	10024.9	10491.9	11192.5	11755.7	12330.4	12647.1	12878.4	12769.6
42.5°	6751.5	6818.1	6939.5	7284.4	7673.9	8253.8	8736.2	9252.3	9554.8	9801.6	9759.6
45°	4602.4	4679.6	4831.9	5114.3	5395.9	5812.0	6166.2	6567.5	6814.6	7040.7	7043.4
47.5°	3225.2	3279.4	3415.4	3608.3	3791.9	4312.7	4334.1	4531.3	4697.5	4866.5	4888.3
50°	2485.5	2518.2	2590.3	2697.9	2801.9	2937.1	3060.8	3203.7	3306.0	3398.6	3420.8
52.5°	2043.0	2063.7	2100.4	2158.6	2219.0	2292.5	2358.7	2437.3	2492.9	2542.5	2552.9
55°	1726.6	1743.9	1798.4	1809.5	1878.6	1891.9	1921.3	1969.1	2001.5	2031.2	2038.5
57.5°	1487.9	1500.4	1512.1	1536.8	1558.1	1589.0	1613.9	1648.2	1668.6	1690.0	1691.9
60°	1299.6	1308.7	1316.9	1334.1	1348.6	1370.1	1387.2	1410.5	1425.1	1441.3	1443.1
62.5°	1159.5	1166.0	1171.5	1182.8	1193.2	1209.6	1223.3	1242.7	1256.3	1268.8	1271.6
65°	1059.8	1064.6	1068.1	1076.7	1085.7	1099.8	1112.2	1128.0	1138.0	1147.6	1149.7
67.5°	971.6	976.1	979.8	987.6	993.9	1004.3	1012.6	1024.5	1032.1	1039.7	1039.9
70°	870.4	874.6	877.4	884.8	889.8	898.9	905.5	916.2	923.9	932.4	934.5
72.5°	800.5	802.9	806.7	813.3	820.3	830.0	838.9	850.0	859.4	868.2	871.9
75°	747.2	750.1	752.6	758.3	763.1	771.2	777.9	788.1	796.3	805.7	810.3
77.5°	670.3	673.7	675.8	681.5	685.7	693.5	698.5	707.6	714.2	722.9	727.1
80°	577.4	580.6	582.1	587.4	590.8	597.9	602.8	611.6	617.2	625.8	630.8
82.5°	474.5	477.5	478.3	483.4	485.2	491.2	494.7	503.6	510.5	521.7	529.5
85°	355.3	356.4	358.1	356.8	364.0	364.5	372.6	374.1	384.9	387.7	399.9
87.5°	217.3	220.4	222.0	226.9	229.1	234.0	235.6	240.8	243.7	249.8	252.6
90°	90.4	95.2	96.8	102.6	104.1	109.1	110.2	116.0	117.6	123.4	125.7
92.5°	19.5	20.6	21.6	23.0	24.1	25.9	27.4	28.7	29.9	31.6	33.9
95°	21.9	23.2	24.5	25.7	27.0	28.3	29.6	30.8	32.1	33.4	37.1
97.5°	27.1	28.2	29.3	30.5	31.6	32.7	33.8	34.9	36.1	37.1	41.6
100°	34.8	35.8	36.7	37.6	38.6	39.6	40.5	41.5	42.4	43.3	51.5
102.5°	56.1	59.4	62.8	66.1	69.4	72.7	76.1	79.3	82.6	86.0	103.3
105°	92.9	101.8	111.1	120.0	129.0	138.2	147.2	156.0	165.1	174.0	202.6
107.5°	156.1	172.8	189.6	206.4	223.1	239.8	256.6	273.3	289.8	306.4	335.4
110°	284.8	298.1	311.6	325.1	338.5	352.1	365.5	378.6	392.1	405.5	426.6



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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°	383.1	389.1	395.1	401.2	407.2	413.1	419.1	425.1	431.2	436.9	451.9
115°	405.6	407.7	409.8	411.6	413.7	415.6	417.7	419.5	421.5	423.3	433.4
117.5°	396.3	395.8	395.3	394.8	394.2	393.5	393.0	392.3	391.7	390.9	396.5
120°	372.9	370.8	368.8	366.6	364.6	362.3	360.3	358.0	355.8	353.5	355.7
122.5°	342.8	340.4	338.1	335.4	333.0	330.3	327.8	324.9	322.3	319.6	320.3
125°	315.5	313.0	310.7	308.0	305.3	302.6	300.0	297.2	294.5	291.5	291.6
127.5°	292.4	290.5	288.8	286.6	284.6	282.6	280.3	278.1	276.1	273.7	273.5
130°	278.7	277.0	275.2	273.3	271.4	269.4	267.4	265.1	263.2	261.0	260.7
132.5°	267.9	266.8	265.5	263.9	262.4	260.6	259.1	257.1	255.5	253.8	253.5
135°	262.0	260.8	259.6	258.2	256.8	254.9	253.3	251.5	249.9	248.0	247.9
137.5°	257.3	256.2	255.0	253.6	252.2	250.4	248.9	247.3	245.6	243.8	243.6
140°	253.1	252.0	250.9	249.5	248.3	246.8	245.2	243.6	242.0	240.3	240.3
142.5°	247.8	246.8	246.0	244.7	243.6	242.2	240.9	239.3	238.1	236.5	236.7
145°	245.0	244.2	243.3	242.4	241.3	239.9	238.8	237.4	236.3	235.0	235.1
147.5°	242.6	241.9	241.3	240.3	239.5	238.3	237.3	236.0	235.0	233.8	234.1
150°	240.6	239.9	239.2	238.4	237.5	236.5	235.5	234.5	233.5	232.3	232.5
152.5°	237.9	237.2	236.6	235.8	235.1	233.9	233.2	232.1	231.1	230.1	230.3
155°	237.4	236.7	236.0	235.2	234.4	233.6	232.6	231.7	230.9	229.8	229.9
157.5°	237.9	237.2	236.6	235.8	235.2	234.5	233.7	232.9	232.2	231.4	231.4
160°	239.6	239.0	238.4	237.7	236.9	236.1	235.4	234.6	234.0	233.2	233.2
162.5°	241.5	240.7	240.1	239.4	238.8	238.0	237.4	236.7	236.1	235.2	235.3
165°	243.9	243.4	242.9	242.4	241.9	241.3	240.7	240.1	239.6	239.0	239.0
167.5°	247.8	247.3	246.8	246.1	245.6	245.1	244.5	243.9	243.4	242.7	242.8
170°	250.3	249.8	249.5	249.1	248.7	248.3	248.0	247.5	247.1	246.7	246.7
172.5°	252.7	252.3	252.0	251.8	251.4	251.2	250.9	250.5	250.3	249.9	250.1
175°	253.8	253.4	253.3	253.1	252.9	252.7	252.6	252.4	252.4	252.0	252.1
177.5°	255.7	255.6	255.6	255.5	255.5	255.4	255.3	255.1	255.0	255.0	255.0
180°	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2



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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°	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7
2.5°	29062.2	29058.7	29053.8	29047.8	29042.5	29036.4	29021.9	29017.6	29022.4	29025.6	29032.3
5°	29131.3	29133.3	29134.0	29147.3	29158.6	29187.2	29410.0	29498.6	29567.1	29610.6	29676.6
7.5°	29339.5	29406.5	29472.7	29561.9	29638.7	29742.6	30132.5	30298.5	30416.6	30501.3	30605.8
10°	29692.3	29838.6	29975.7	30136.3	30274.4	30432.6	30795.5	30957.3	31059.4	31133.6	31203.0
12.5°	30047.7	30250.5	30433.8	30612.6	30762.1	30899.1	31026.9	31083.4	31088.3	31090.6	31053.8
15°	30232.8	30426.7	30588.3	30706.5	30794.2	30833.2	30613.3	30498.1	30352.4	30232.3	30034.9
17.5°	30116.0	30232.3	30302.1	30295.2	30258.9	30137.3	29514.8	29172.4	28832.5	28526.1	28124.4
20°	29596.6	29587.8	29527.0	29355.1	29148.0	28826.0	27758.7	27142.8	26547.5	26024.6	25390.2
22.5°	28630.4	28478.4	28266.4	27895.8	27484.0	26921.2	25391.7	24486.0	23657.1	22924.9	22104.7
25°	27230.3	26917.6	26526.7	25938.2	25298.3	24477.6	22592.4	21465.8	20470.7	19607.6	18661.2
27.5°	25438.7	24967.4	24394.6	23580.1	22713.2	21661.7	19571.7	18328.4	17260.1	16334.7	15327.5
30°	23317.4	22704.7	21964.8	20954.0	19908.3	18715.7	16596.0	15336.7	14255.4	13303.4	12295.4
32.5°	20920.2	20202.5	19335.6	18201.1	17070.3	15844.0	13796.9	12577.9	11545.0	10629.2	9716.9
35°	18276.3	17506.6	16589.4	15432.3	14308.2	13116.1	11237.7	10138.5	9226.4	8417.0	7680.2
37.5°	15440.2	14684.4	13812.7	12722.1	11679.8	10599.4	8978.6	8057.6	7292.2	6620.4	6051.5
40°	12491.4	11830.0	11075.8	10132.9	9243.3	8343.7	7013.2	6282.2	5678.1	5165.7	4739.4
42.5°	9578.7	9066.2	8487.8	7742.7	7062.0	6376.9	5353.0	4811.2	4363.8	3995.0	3693.6
45°	6949.7	6606.9	6218.9	5700.9	5229.9	4752.0	4023.2	3642.6	3351.2	3113.4	2912.2
47.5°	4858.2	4659.3	4647.1	4168.6	3823.1	3530.9	3061.4	2821.0	2642.4	2498.3	2371.0
50°	3411.8	3315.5	3196.0	3025.2	2864.9	2699.7	2413.7	2268.4	2163.7	2076.5	1996.0
52.5°	2550.6	2500.6	2436.9	2346.3	2259.4	2166.5	1985.5	1893.0	1860.1	1778.8	1715.1
55°	2037.1	2008.5	1972.3	1919.1	1866.3	1845.1	1689.9	1621.2	1577.7	1545.6	1511.4
57.5°	1692.1	1670.8	1649.4	1613.2	1582.7	1545.6	1463.2	1428.0	1402.2	1383.3	1359.6
60°	1443.4	1430.6	1418.6	1397.5	1380.9	1360.9	1308.7	1288.7	1275.2	1263.9	1248.8
62.5°	1273.9	1267.4	1261.2	1249.9	1241.5	1230.7	1194.9	1185.4	1178.6	1172.9	1163.7
65°	1151.7	1146.9	1143.5	1136.0	1131.9	1125.5	1094.8	1088.3	1084.2	1082.1	1076.7
67.5°	1040.6	1035.6	1033.4	1028.0	1026.3	1022.3	997.1	993.6	992.2	992.9	990.9
70°	936.6	934.5	935.7	934.8	937.1	937.9	922.6	922.5	924.2	927.4	927.7
72.5°	874.3	874.3	875.5	876.0	878.3	879.4	866.7	866.1	866.8	869.2	869.3
75°	815.1	816.0	819.3	820.3	823.0	823.6	806.8	804.8	804.9	807.3	806.4
77.5°	733.0	736.6	742.7	745.9	751.1	752.0	733.2	731.0	731.1	733.4	731.4
80°	639.9	646.7	656.4	663.2	671.2	674.4	655.0	650.5	646.2	645.5	641.6
82.5°	541.0	549.3	561.0	567.2	575.7	577.5	545.2	539.1	535.5	535.8	532.2
85°	413.1	419.3	430.0	433.3	438.6	438.2	401.3	385.4	389.6	383.1	388.2
87.5°	259.1	262.7	269.4	270.3	272.7	272.2	235.1	227.7	225.6	225.7	223.0
90°	131.9	134.5	140.5	140.9	145.0	144.6	114.7	111.5	108.7	109.9	106.0
92.5°	36.6	38.8	41.3	43.6	46.2	48.5	47.5	48.9	46.9	44.3	42.3
95°	40.9	44.6	48.4	52.2	56.0	59.7	63.5	67.3	63.7	60.2	56.6
97.5°	46.0	50.4	54.8	59.3	63.7	68.1	72.6	77.0	73.3	69.2	65.5
100°	59.8	68.1	76.3	84.7	92.9	101.2	109.5	117.8	110.5	102.9	95.7
102.5°	120.8	138.5	156.1	173.6	191.1	208.8	226.5	244.1	227.3	210.4	193.6
105°	231.1	259.6	288.1	316.3	344.8	373.2	402.0	430.5	403.7	376.9	350.1
107.5°	364.3	393.2	421.8	450.6	479.6	508.4	537.7	566.6	540.4	514.1	487.9
110°	447.6	468.4	489.5	510.4	531.3	552.2	573.9	594.9	579.1	563.3	547.4



TEST NUMBER: P1444819
 CATALOG NUMBER: EHBR1-36-UNV-TA-L940-UPL15

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	466.8	481.8	496.7	511.5	526.3	541.2	557.1	572.2	564.0	555.8	547.9
115°	443.3	453.4	463.3	473.2	483.1	493.0	504.1	514.4	511.5	508.6	505.8
117.5°	401.9	407.2	412.7	418.1	423.4	428.7	435.8	441.3	441.3	441.5	441.7
120°	357.8	359.9	361.9	364.0	366.0	367.9	371.8	374.1	375.9	377.6	379.3
122.5°	320.9	321.4	321.9	322.3	322.8	323.3	325.9	326.8	327.8	328.8	329.9
125°	291.6	291.7	291.7	291.7	291.5	291.6	294.0	294.4	294.1	293.6	293.3
127.5°	273.1	272.8	272.3	271.9	271.4	271.1	273.2	273.3	271.9	270.5	269.1
130°	260.4	260.1	259.8	259.6	259.3	259.0	261.5	261.8	259.7	257.5	255.4
132.5°	253.2	253.0	252.7	252.7	252.3	252.0	254.8	255.2	252.9	250.5	248.2
135°	247.6	247.5	247.4	247.2	246.9	247.0	250.0	250.5	248.4	246.0	243.7
137.5°	243.3	243.3	243.1	243.1	242.9	242.8	246.2	246.9	245.1	243.0	241.2
140°	240.2	240.2	240.1	240.2	240.1	240.4	244.0	244.8	243.4	241.8	240.2
142.5°	236.6	236.9	237.1	237.5	237.7	238.0	242.3	243.4	242.3	240.9	239.8
145°	235.2	235.7	236.0	236.4	236.7	237.3	242.0	243.5	242.7	241.8	240.8
147.5°	234.0	234.4	234.7	235.1	235.4	236.2	241.3	242.7	242.2	241.5	240.8
150°	232.7	233.1	233.4	233.8	234.5	235.1	240.9	242.7	242.1	241.7	241.0
152.5°	230.5	230.8	231.0	231.5	231.9	232.5	239.7	241.7	241.3	240.6	240.2
155°	230.0	230.2	230.3	230.7	230.9	231.4	239.3	241.3	241.0	240.6	240.3
157.5°	231.4	231.3	231.3	231.4	231.7	231.8	240.2	242.4	242.0	241.7	241.4
160°	233.1	233.1	232.9	233.0	232.9	233.1	241.7	243.9	243.6	243.3	242.9
162.5°	235.3	235.5	235.4	235.6	235.6	235.8	244.6	246.9	246.4	246.0	245.6
165°	238.8	238.8	238.7	238.7	238.7	238.8	246.9	248.9	248.7	248.4	248.0
167.5°	242.6	242.7	242.6	242.7	242.6	242.9	250.4	252.5	252.2	251.8	251.5
170°	246.6	246.7	246.7	246.7	246.9	247.2	253.5	255.1	254.9	254.4	254.1
172.5°	250.1	250.4	250.5	250.6	250.8	251.1	256.4	257.9	257.7	257.4	256.9
175°	252.3	252.3	252.5	252.8	252.8	252.9	257.2	258.3	258.3	258.1	257.8
177.5°	255.2	255.3	255.5	255.6	255.7	255.9	258.5	259.2	259.1	259.1	259.0
180°	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2



TEST NUMBER: P1444819
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CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7
2.5°	29033.8	29044.0	29045.5	29057.4	29056.4	29070.6	29068.4	29079.9	29073.2	29082.7	29074.7
5°	29715.7	29777.5	29809.9	29870.2	29889.3	29943.4	29958.6	30007.8	30009.9	30049.0	30040.1
7.5°	30679.8	30770.9	30825.1	30899.7	30937.5	30999.7	31027.1	31073.0	31087.8	31124.3	31127.1
10°	31255.5	31299.8	31330.7	31351.6	31370.6	31379.4	31389.8	31387.0	31389.8	31385.7	31394.7
12.5°	31029.1	30964.5	30921.7	30840.7	30793.9	30704.4	30660.5	30574.5	30543.3	30469.4	30458.8
15°	29882.3	29657.0	29497.9	29266.3	29120.9	28893.1	28759.9	28554.5	28460.7	28297.3	28254.5
17.5°	27791.9	27373.8	27050.2	26635.1	26347.0	25959.1	25715.1	25394.0	25218.1	24959.2	24869.4
20°	24861.4	24242.7	23757.3	23179.1	22765.3	22249.7	21919.7	21503.3	21261.6	20943.6	20814.6
22.5°	21420.9	20650.6	20044.4	19361.3	18862.0	18287.5	17892.0	17441.5	17178.6	16833.1	16680.1
25°	17874.7	17025.3	16351.3	15631.6	15104.0	14528.1	14132.6	13690.1	13418.0	13090.0	12937.9
27.5°	14483.1	13623.3	12972.0	12302.8	11818.9	11299.2	10942.3	10556.0	10314.5	10034.5	9891.5
30°	11490.1	10731.7	10177.5	9622.1	9219.7	8797.5	8501.0	8180.8	7968.9	7729.2	7592.9
32.5°	9051.7	8466.2	8032.2	7591.5	7262.1	6909.4	6653.1	6370.6	6179.4	5965.3	5841.9
35°	7168.8	6713.9	6367.7	6005.0	5722.0	5421.5	5195.8	4951.9	4780.4	4596.0	4489.4
37.5°	5664.1	5302.4	5017.5	4716.2	4483.7	4234.9	4151.0	3871.2	3693.4	3546.3	3444.4
40°	4445.3	4157.6	3921.9	3691.5	3501.9	3313.1	3161.5	3012.1	2897.3	2792.1	2719.3
42.5°	3471.3	3262.9	3090.8	2922.0	2783.8	2646.2	2536.5	2433.5	2356.1	2287.4	2240.4
45°	2759.5	2616.2	2496.6	2377.7	2280.2	2188.3	2114.5	2048.8	1998.8	1957.5	1928.2
47.5°	2267.1	2169.0	2084.6	2004.3	1938.1	1877.9	1828.4	1812.3	1758.7	1722.4	1708.7
50°	1926.6	1867.4	1803.3	1744.1	1699.9	1655.9	1623.8	1592.4	1572.2	1555.6	1550.5
52.5°	1672.7	1627.3	1591.7	1554.2	1525.0	1493.6	1471.5	1450.6	1439.6	1430.8	1429.8
55°	1483.7	1452.1	1428.5	1403.3	1385.8	1367.5	1356.0	1344.9	1340.1	1335.7	1336.1
57.5°	1340.8	1319.7	1304.4	1288.0	1278.6	1269.7	1266.9	1264.1	1265.6	1266.2	1268.7
60°	1236.8	1223.0	1213.3	1204.0	1200.0	1197.2	1199.3	1201.8	1206.9	1211.0	1214.6
62.5°	1156.9	1149.1	1144.3	1139.3	1138.9	1139.1	1143.4	1147.6	1153.9	1158.7	1162.2
65°	1074.8	1070.3	1068.8	1065.5	1067.2	1068.1	1073.3	1076.5	1082.9	1086.6	1091.1
67.5°	991.8	990.7	991.7	991.7	994.6	997.0	1002.0	1005.6	1011.0	1014.5	1018.1
70°	930.5	930.9	933.1	933.6	936.7	938.4	942.7	945.1	949.9	952.8	957.3
72.5°	870.9	870.0	870.4	869.0	870.2	869.7	872.1	873.2	877.3	879.6	885.0
75°	807.5	804.8	804.1	801.2	801.3	799.3	800.3	800.1	802.8	803.9	807.7
77.5°	730.8	726.3	724.1	719.3	719.1	717.4	719.3	720.4	725.2	727.4	731.8
80°	639.1	632.0	628.8	623.2	624.1	623.8	628.6	632.1	637.9	639.0	644.5
82.5°	531.1	524.0	520.5	515.1	516.3	516.5	520.8	521.5	526.6	528.7	535.1
85°	380.3	383.1	375.5	376.0	374.4	377.4	380.3	383.9	388.1	395.1	400.5
87.5°	224.0	223.0	225.7	226.0	229.9	231.9	238.1	241.7	248.7	254.2	264.0
90°	105.9	102.2	104.1	102.6	106.1	104.8	108.0	106.1	110.0	110.2	115.4
92.5°	39.4	37.5	34.7	32.5	29.9	27.9	26.4	25.6	24.1	23.5	22.0
95°	53.1	49.7	46.1	42.6	39.1	35.6	34.3	33.0	31.8	30.5	29.2
97.5°	61.7	57.9	54.1	50.3	46.5	42.8	41.9	41.1	40.2	39.3	38.5
100°	88.3	81.0	73.7	66.3	59.1	51.8	51.1	50.4	49.7	49.1	48.4
102.5°	176.9	160.1	143.4	126.6	109.9	93.2	90.3	87.4	84.4	81.5	78.6
105°	323.2	296.4	269.6	242.8	216.1	189.3	181.4	173.1	165.2	157.2	149.2
107.5°	461.7	435.5	409.4	383.2	357.1	331.0	318.3	305.8	292.9	280.3	267.8
110°	531.4	515.7	500.0	484.0	468.3	452.7	440.5	428.6	416.3	404.2	392.2



TEST NUMBER: P1444819
 CATALOG NUMBER: EHBR1-36-UNV-TA-L940-UPL15

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	539.7	531.8	523.6	515.7	507.8	499.7	493.9	487.9	482.0	476.1	470.0
115°	503.0	500.3	497.5	494.9	492.3	489.5	488.9	488.5	487.8	487.3	487.0
117.5°	441.7	441.9	441.9	442.1	442.4	442.6	445.6	448.4	451.5	454.6	457.7
120°	380.9	382.7	384.4	386.3	388.0	389.9	393.7	397.8	401.6	405.9	410.1
122.5°	330.8	331.9	332.7	333.9	334.9	336.0	339.9	343.8	347.6	351.7	355.7
125°	292.7	292.2	291.8	291.3	290.9	290.7	293.6	296.6	299.7	303.2	306.2
127.5°	267.6	266.0	264.6	263.1	261.6	260.3	261.8	263.5	265.0	266.7	268.5
130°	253.1	251.1	248.7	246.6	244.2	242.1	242.4	242.7	243.1	243.5	244.1
132.5°	245.6	243.3	240.6	238.1	235.6	233.2	232.5	232.0	231.4	231.1	230.8
135°	241.3	239.1	236.5	234.1	231.7	229.5	228.3	227.3	226.4	225.5	224.7
137.5°	239.2	237.3	235.2	233.4	231.1	229.3	227.8	226.8	225.6	224.7	223.6
140°	238.4	236.8	235.1	233.4	231.6	230.1	228.8	227.9	226.9	226.0	225.1
142.5°	238.2	237.0	235.6	234.4	233.0	231.8	230.6	229.7	228.6	227.8	226.9
145°	239.8	239.0	237.9	236.9	236.0	235.1	233.9	233.2	232.4	231.6	231.0
147.5°	240.1	239.4	238.7	237.9	237.1	236.4	235.6	235.2	234.3	233.9	233.3
150°	240.3	239.7	239.0	238.5	237.7	237.0	236.5	236.0	235.4	235.2	234.6
152.5°	239.5	239.1	238.4	237.9	237.2	236.5	236.1	235.8	235.3	235.0	234.3
155°	239.7	239.2	238.8	238.3	237.7	237.4	236.8	236.3	235.9	235.4	234.9
157.5°	240.9	240.6	240.0	239.6	239.0	238.6	238.1	237.8	237.2	236.8	236.4
160°	242.5	242.1	241.7	241.2	240.7	240.4	239.7	239.3	238.7	238.2	237.8
162.5°	245.0	244.7	244.2	243.7	243.1	242.6	242.1	241.7	241.2	240.8	240.3
165°	247.5	247.2	246.7	246.3	246.0	245.6	244.9	244.5	243.9	243.4	242.8
167.5°	251.2	250.8	250.4	250.1	249.5	249.1	248.7	248.2	247.6	247.2	246.6
170°	253.8	253.3	253.0	252.5	252.1	251.5	251.2	250.6	250.1	249.8	249.3
172.5°	256.7	256.6	256.2	255.8	255.4	255.0	254.7	254.3	253.9	253.5	253.2
175°	257.7	257.6	257.5	257.1	257.0	256.9	256.7	256.6	256.3	256.2	255.9
177.5°	259.0	258.9	258.9	258.7	258.5	258.5	258.3	258.3	258.1	257.9	257.8
180°	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2



TEST NUMBER: P1444819
 CATALOG NUMBER: EHBR1-36-UNV-TA-L940-UPL15

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7
2.5°	29083.1	29075.6	29079.2	29065.6	29068.8	29052.3	29050.9	29032.3	29030.4	29012.9	29006.4
5°	30067.7	30051.5	30069.8	30041.4	30047.0	30009.9	30006.8	29958.9	29942.3	29882.4	29856.6
7.5°	31150.0	31143.9	31155.1	31131.2	31130.5	31097.4	31083.7	31040.8	31014.2	30951.2	30911.1
10°	31387.0	31392.6	31383.5	31385.7	31372.9	31369.3	31356.1	31347.7	31326.2	31309.9	31285.8
12.5°	30402.6	30408.4	30370.9	30394.8	30375.9	30419.9	30416.3	30468.1	30476.0	30541.5	30566.4
15°	28127.2	28120.1	28048.1	28093.5	28069.2	28165.6	28187.1	28316.9	28386.2	28552.8	28655.1
17.5°	24690.0	24671.5	24570.0	24625.3	24597.2	24739.3	24787.0	24994.5	25123.9	25392.2	25583.4
20°	20592.7	20557.1	20438.4	20503.2	20474.2	20635.7	20703.8	20954.5	21121.3	21476.8	21729.6
22.5°	16444.5	16388.3	16272.0	16332.5	16305.1	16472.4	16561.0	16812.6	17003.6	17368.6	17663.7
25°	12719.4	12669.4	12557.0	12599.3	12589.0	12730.6	12809.4	13047.3	13235.1	13582.7	13864.5
27.5°	9701.4	9649.3	9547.8	9577.7	9567.4	9688.0	9762.2	9961.1	10122.6	10415.2	10662.6
30°	7425.0	7362.2	7276.1	7292.6	7285.6	7383.2	7452.6	7620.0	7758.5	8005.8	8218.9
32.5°	5691.2	5628.2	5549.0	5556.7	5546.3	5622.9	5680.1	5825.7	5946.4	6156.6	6342.2
35°	4354.6	4428.4	4259.4	4366.4	4254.9	4418.6	4359.7	4450.7	4554.5	4731.6	4886.4
37.5°	3347.7	3296.3	3252.7	3248.1	3247.9	3285.8	3330.5	3418.2	3509.7	3641.6	3778.0
40°	2652.9	2616.8	2588.7	2586.6	2588.7	2615.6	2648.7	2709.2	2776.2	2871.1	2971.2
42.5°	2200.3	2176.3	2159.4	2158.2	2163.6	2182.7	2205.7	2241.6	2285.2	2346.6	2415.4
45°	1904.4	1891.1	1881.6	1881.1	1883.5	1893.5	1906.7	1929.2	1956.7	1995.1	2038.5
47.5°	1696.7	1693.5	1687.6	1687.8	1685.1	1689.2	1690.7	1703.2	1718.0	1746.8	1803.7
50°	1545.5	1545.5	1541.4	1541.2	1537.4	1537.1	1534.0	1538.9	1545.7	1563.7	1581.8
52.5°	1426.0	1425.6	1421.2	1420.3	1416.2	1416.0	1413.2	1415.2	1416.1	1425.1	1436.0
55°	1332.6	1329.8	1324.0	1322.2	1320.6	1322.9	1321.8	1322.0	1320.8	1324.5	1327.8
57.5°	1265.6	1261.9	1256.5	1254.8	1254.5	1257.3	1257.3	1256.3	1251.3	1247.8	1243.1
60°	1212.5	1208.9	1203.0	1201.5	1202.4	1206.2	1206.0	1202.8	1195.3	1188.7	1181.1
62.5°	1160.5	1159.0	1156.0	1155.5	1154.8	1155.4	1152.7	1149.3	1141.9	1134.9	1126.6
65°	1090.6	1091.3	1089.1	1089.4	1086.7	1086.3	1082.2	1078.8	1071.4	1065.1	1056.6
67.5°	1018.0	1018.6	1016.7	1016.7	1015.3	1015.5	1013.1	1009.9	1003.6	998.4	991.9
70°	958.2	959.7	958.7	958.9	957.3	956.6	952.7	949.7	943.2	938.8	932.9
72.5°	886.6	889.8	889.7	890.5	887.9	886.6	882.0	878.2	872.3	868.9	864.1
75°	809.2	813.4	814.6	816.5	812.8	810.9	805.9	802.8	798.0	795.9	792.8
77.5°	733.8	738.4	742.8	746.9	740.9	735.7	729.4	724.5	717.6	715.0	710.2
80°	649.1	657.2	667.0	675.2	664.5	653.8	643.4	635.7	626.5	622.8	616.7
82.5°	538.5	546.9	552.5	557.7	550.3	542.4	532.3	525.5	515.7	512.0	505.0
85°	409.1	419.5	422.9	425.7	420.9	416.7	407.2	394.5	388.2	378.5	373.4
87.5°	269.1	275.3	276.5	277.4	274.6	272.5	266.4	260.4	249.8	242.0	232.5
90°	114.6	118.0	115.1	116.1	112.9	113.9	108.4	107.0	98.9	96.2	89.1
92.5°	21.1	19.7	18.6	17.4	19.1	19.8	21.3	22.0	23.4	24.1	25.6
95°	27.9	26.6	25.3	24.0	25.1	26.1	27.1	28.1	29.2	30.2	31.2
97.5°	37.6	36.7	35.9	35.0	35.6	36.2	36.8	37.5	38.0	38.7	39.3
100°	47.7	47.0	46.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
102.5°	75.7	72.8	69.9	67.0	68.9	70.9	72.9	74.8	76.9	78.8	80.9
105°	141.2	133.3	125.3	117.4	125.1	132.8	140.5	148.2	155.9	163.9	171.6
107.5°	255.1	242.5	229.9	217.4	231.5	245.5	259.6	273.5	287.6	301.6	315.9
110°	380.3	368.3	356.4	344.3	359.2	374.1	389.1	404.0	418.9	433.8	449.0



TEST NUMBER: P1444819
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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°	464.1	458.4	452.5	446.7	456.3	465.9	475.5	485.4	494.9	504.6	514.2
115°	486.5	486.1	485.9	485.5	490.0	494.6	499.1	503.7	508.4	513.0	517.6
117.5°	460.7	463.9	467.1	470.4	471.9	473.3	474.9	476.3	478.0	479.5	481.2
120°	414.4	418.3	422.7	427.1	426.5	425.9	425.4	424.8	424.6	424.1	423.9
122.5°	359.9	364.1	368.5	372.8	371.4	370.1	369.0	367.8	366.8	365.8	364.8
125°	309.9	313.1	316.8	320.3	319.0	317.7	316.6	315.5	314.5	313.4	312.8
127.5°	270.6	272.6	274.6	276.9	276.3	275.7	275.4	274.8	274.6	274.5	274.4
130°	244.7	245.5	246.5	247.4	247.5	247.7	248.1	248.6	249.1	249.7	250.4
132.5°	230.8	230.7	230.7	230.8	231.4	232.2	233.1	234.1	235.2	236.4	237.8
135°	224.2	223.7	223.3	222.9	224.0	224.9	226.2	227.4	229.0	230.5	232.2
137.5°	222.8	222.1	221.6	221.0	222.0	223.0	224.2	225.5	227.0	228.6	230.4
140°	224.3	223.7	223.3	222.8	223.8	224.6	225.9	227.1	228.6	230.1	231.8
142.5°	226.4	225.6	225.1	224.7	225.5	226.4	227.6	228.6	230.1	231.3	232.9
145°	230.4	229.7	229.5	229.0	229.6	230.3	231.0	232.0	233.0	233.9	235.1
147.5°	232.8	232.4	232.2	231.9	232.4	232.8	233.5	233.9	234.8	235.5	236.5
150°	234.5	234.0	233.7	233.7	233.9	234.1	234.6	234.9	235.3	235.8	236.6
152.5°	234.2	233.7	233.7	233.6	233.7	233.8	234.2	234.5	234.9	235.2	236.0
155°	234.7	234.3	234.0	233.7	233.7	233.7	233.8	233.8	234.0	234.1	234.4
157.5°	236.1	235.7	235.4	235.1	235.0	234.7	234.7	234.6	234.6	234.3	234.4
160°	237.4	236.7	236.4	236.0	235.9	235.7	235.6	235.4	235.5	235.4	235.4
162.5°	239.9	239.5	239.2	238.8	238.5	238.1	237.9	237.5	237.3	237.0	236.9
165°	242.3	241.8	241.4	240.7	240.6	240.4	240.2	239.9	239.8	239.5	239.5
167.5°	246.2	245.7	245.2	244.7	244.4	243.9	243.7	243.3	243.1	242.7	242.6
170°	248.9	248.5	248.1	247.7	247.5	247.2	247.1	246.8	246.6	246.5	246.5
172.5°	252.9	252.6	252.2	251.9	251.7	251.5	251.4	251.3	251.1	251.1	251.0
175°	255.7	255.6	255.5	255.3	255.1	255.0	254.7	254.6	254.5	254.3	254.2
177.5°	257.5	257.2	257.1	257.0	256.9	256.9	256.9	256.9	256.9	256.9	256.8
180°	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2



TEST NUMBER: P1444819
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CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7
2.5°	28987.6	28980.0	28959.9	28950.0	28931.5	28922.1	28907.7	28898.2	28886.6	28877.8	28873.4
5°	29790.8	29753.7	29679.4	29633.7	29553.5	29500.7	29421.0	29362.6	29280.3	29219.7	29141.9
7.5°	30835.7	30778.8	30683.7	30611.5	30499.3	30413.6	30287.6	30186.9	30047.7	29932.2	29790.0
10°	31261.1	31227.9	31185.3	31138.9	31076.6	31015.7	30929.7	30842.0	30725.2	30609.0	30457.3
12.5°	30632.3	30663.6	30725.2	30754.0	30801.1	30817.2	30838.7	30828.6	30809.5	30762.1	30693.2
15°	28851.6	28982.0	29188.2	29330.8	29530.6	29671.0	29856.6	29976.1	30113.8	30196.0	30274.2
17.5°	25922.3	26174.6	26538.4	26828.6	27218.2	27535.0	27923.1	28228.1	28580.2	28850.3	29137.9
20°	22170.3	22523.6	23025.8	23452.2	24016.8	24495.6	25108.9	25622.7	26222.0	26721.6	27260.9
22.5°	18132.1	18547.7	19123.1	19637.5	20311.7	20913.9	21682.4	22361.6	23171.9	23897.7	24700.7
25°	14322.5	14729.9	15316.0	15848.7	16576.5	17239.8	18079.3	18858.6	19799.0	20675.7	21682.4
27.5°	11055.6	11417.4	11932.7	12412.1	13078.7	13729.9	14581.9	15413.0	16416.2	17358.5	18443.3
30°	8538.1	8831.6	9244.4	9630.1	10165.3	10697.8	11456.7	12225.3	13223.7	14200.0	15312.2
32.5°	6616.7	6867.0	7211.7	7524.7	7937.1	8338.6	8897.5	9511.7	10387.4	11322.8	12398.1
35°	5122.1	5336.2	5629.6	5899.3	6238.3	6557.1	6974.1	7412.5	8080.8	8867.6	9830.0
37.5°	4083.6	4170.9	4380.2	4601.2	4882.8	5144.8	5471.1	5795.2	6273.3	6894.1	7680.2
40°	3105.5	3244.2	3414.6	3588.6	3801.9	4011.9	4369.9	4542.1	4856.9	5302.6	5912.8
42.5°	2505.8	2603.2	2723.2	2844.2	2992.8	3139.2	3320.2	3504.5	3739.9	4041.7	4475.7
45°	2096.9	2160.4	2237.7	2318.4	2415.9	2515.8	2637.0	2763.6	2923.1	3108.6	3372.3
47.5°	1823.7	1858.8	1909.3	1964.4	2031.3	2100.4	2179.2	2259.9	2358.9	2469.0	2619.1
50°	1610.4	1639.8	1679.0	1715.8	1762.0	1832.8	1864.1	1908.7	1968.3	2032.9	2117.0
52.5°	1456.2	1475.7	1500.3	1521.5	1550.6	1577.2	1612.0	1642.7	1683.9	1722.8	1777.0
55°	1336.1	1343.2	1357.0	1370.7	1390.9	1409.0	1432.9	1453.0	1479.3	1502.6	1536.7
57.5°	1243.3	1243.9	1250.4	1257.4	1270.4	1281.9	1298.2	1311.5	1329.7	1344.6	1365.0
60°	1176.6	1173.0	1174.3	1176.8	1184.1	1191.5	1202.0	1210.6	1222.1	1230.5	1242.0
62.5°	1121.0	1115.5	1114.2	1113.6	1117.2	1119.9	1125.6	1129.8	1136.3	1140.0	1146.1
65°	1051.0	1044.4	1041.9	1038.8	1039.9	1039.1	1041.2	1041.3	1044.7	1045.4	1048.9
67.5°	987.4	982.0	978.6	974.5	972.7	969.7	968.5	965.7	965.3	962.9	962.4
70°	929.4	924.0	921.2	917.5	915.5	911.7	909.4	904.6	901.8	897.5	894.9
72.5°	862.3	859.3	858.4	855.9	855.3	853.1	852.1	848.8	846.9	843.0	840.9
75°	792.2	789.8	789.5	787.0	786.7	784.2	783.5	780.0	778.1	774.4	772.8
77.5°	708.7	705.0	704.0	701.0	701.7	700.4	701.4	698.7	697.6	693.8	692.7
80°	614.6	609.9	607.9	604.0	605.0	603.2	605.0	604.8	606.2	603.2	602.7
82.5°	503.2	498.0	497.0	494.2	496.1	496.3	500.3	498.1	499.0	496.2	497.3
85°	366.1	362.3	356.9	356.2	352.7	356.3	351.6	354.8	349.7	353.3	348.5
87.5°	226.9	219.0	214.8	209.2	207.0	201.5	199.3	195.3	196.5	194.6	195.7
90°	87.9	81.6	80.9	75.9	76.1	72.0	73.2	70.6	72.4	69.5	71.6
92.5°	26.4	27.5	29.4	31.9	33.6	35.7	37.6	40.1	41.8	44.2	45.9
95°	32.2	33.3	36.0	38.8	41.5	44.2	47.0	49.7	52.5	55.2	57.9
97.5°	40.0	40.5	43.2	46.0	48.7	51.5	54.2	57.3	60.0	62.8	65.5
100°	45.7	45.7	53.6	61.3	69.1	77.0	84.8	92.5	100.6	108.4	116.2
102.5°	82.8	84.8	104.4	124.2	143.9	163.6	183.3	203.1	222.8	242.8	262.5
105°	179.2	187.1	217.1	247.3	277.3	307.4	337.5	367.9	398.0	428.2	458.3
107.5°	329.9	344.1	371.3	398.5	425.7	453.0	480.4	507.6	534.9	562.2	589.6
110°	463.9	478.9	497.1	515.4	533.8	552.1	570.4	588.7	607.2	625.5	644.1



TEST NUMBER: P1444819
 CATALOG NUMBER: EHBR1-36-UNV-TA-L940-UPL15

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	523.9	533.6	544.3	555.2	565.9	576.7	587.5	598.3	609.3	620.2	631.1
115°	522.4	527.2	531.3	535.8	540.0	544.4	548.8	553.4	557.9	562.3	566.9
117.5°	482.7	484.6	485.4	486.3	487.2	488.3	489.3	490.4	491.6	492.7	493.7
120°	423.5	423.2	422.9	422.6	422.0	421.8	421.7	421.5	421.3	421.2	421.0
122.5°	363.9	363.1	362.7	362.5	362.2	362.1	362.0	362.1	361.9	362.0	361.9
125°	311.8	311.2	312.2	313.2	314.3	315.6	316.7	318.1	319.3	320.6	321.9
127.5°	274.2	274.4	276.4	278.6	280.6	282.9	285.2	287.6	289.6	292.2	294.3
130°	251.3	252.2	254.6	257.4	259.9	262.8	265.5	268.5	271.0	273.9	276.5
132.5°	239.2	240.7	243.1	245.9	248.4	251.2	253.8	256.6	259.2	262.1	264.5
135°	233.9	235.9	238.2	240.6	243.2	245.8	248.2	250.8	253.2	255.7	258.2
137.5°	232.0	233.9	236.0	238.0	240.1	242.3	244.4	246.5	248.5	250.7	252.7
140°	233.5	235.3	236.6	238.2	239.6	241.1	242.4	243.9	245.2	246.8	248.1
142.5°	234.4	236.2	237.0	238.1	239.1	240.5	241.5	242.6	243.4	244.5	245.4
145°	236.4	237.8	238.1	238.7	239.2	239.8	240.2	240.7	241.0	241.5	241.9
147.5°	237.4	238.5	238.5	238.9	239.2	239.3	239.6	239.9	240.0	240.3	240.5
150°	237.1	237.9	237.8	238.0	237.8	237.9	237.8	237.9	237.8	237.9	237.8
152.5°	236.4	236.9	236.5	236.7	236.5	236.3	236.1	236.1	235.8	235.7	235.7
155°	234.5	234.8	234.6	234.5	234.3	234.2	234.1	234.3	234.2	234.1	234.1
157.5°	234.4	234.4	234.3	234.2	234.0	234.0	234.0	234.0	234.0	234.3	234.4
160°	235.3	235.4	235.1	235.1	235.0	234.9	234.9	235.1	235.1	235.4	235.5
162.5°	236.6	236.5	236.3	236.2	236.1	236.2	236.3	236.5	236.5	236.7	236.9
165°	239.5	239.6	239.2	239.2	239.1	239.0	239.0	239.1	239.2	239.3	239.4
167.5°	242.4	242.3	242.3	242.4	242.4	242.6	242.7	243.1	243.3	243.6	243.7
170°	246.4	246.5	246.3	246.3	246.2	246.2	246.3	246.3	246.4	246.5	246.6
172.5°	251.0	251.0	250.8	250.6	250.4	250.3	250.2	250.2	250.1	250.0	249.8
175°	254.1	254.0	253.9	253.8	253.7	253.5	253.5	253.2	253.1	253.0	252.9
177.5°	256.7	256.5	256.3	256.3	256.2	256.1	256.1	256.0	256.0	256.0	255.8
180°	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2



TEST NUMBER: P1444819
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CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7
2.5°	28867.6	28867.2	28864.4	28865.7	28866.3	28868.3	28870.8	28873.4	28873.9	28876.0	28876.4
5°	29083.6	29012.2	28959.4	28901.3	28857.6	28818.3	28792.1	28771.3	28763.3	28765.2	28770.1
7.5°	29669.5	29522.0	29400.4	29262.1	29146.7	29024.7	28923.4	28827.2	28757.1	28704.8	28675.6
10°	30312.3	30132.8	29961.0	29760.8	29571.0	29368.4	29184.8	29000.1	28846.0	28712.2	28614.0
12.5°	30597.6	30470.7	30322.2	30133.2	29930.1	29696.4	29460.3	29207.2	28971.8	28753.4	28577.1
15°	30295.5	30295.7	30241.6	30151.0	30009.9	29823.1	29598.1	29334.4	29056.6	28773.3	28514.4
17.5°	29336.7	29517.6	29618.2	29681.9	29662.4	29593.5	29450.4	29247.8	28988.9	28687.0	28371.2
20°	27690.1	28116.9	28421.1	28694.6	28847.9	28949.9	28939.6	28857.2	28672.8	28416.2	28087.2
22.5°	25383.5	26099.8	26664.8	27191.8	27561.4	27862.1	28005.0	28065.6	27982.1	27803.3	27494.4
25°	22582.0	23555.7	24386.8	25193.2	25798.1	26318.1	26630.4	26850.6	26868.1	26774.7	26499.1
27.5°	19469.0	20618.3	21670.1	22741.8	23592.6	24340.0	24830.4	25189.4	25303.4	25288.3	25038.1
30°	16359.9	17566.5	18725.8	19975.7	21028.4	21983.2	22631.0	23116.4	23303.4	23339.3	23098.6
32.5°	13423.7	14613.6	15769.7	17076.3	18234.7	19329.0	20094.4	20671.0	20888.5	20939.8	20675.7
35°	10758.9	11856.7	12955.4	14221.7	15373.5	16506.7	17313.1	17916.8	18119.9	18154.2	17848.5
37.5°	8448.1	9383.3	10340.7	11476.9	12534.6	13599.0	14365.1	14932.5	15080.5	15071.3	14725.4
40°	6502.3	7229.5	7998.7	8934.1	9813.5	10713.2	11360.2	11829.2	11907.0	11849.4	11486.0
42.5°	4889.4	5414.5	5972.2	6670.5	7323.0	7996.3	8467.1	8815.2	8826.3	8735.3	8409.0
45°	3642.6	4155.0	4388.9	4811.0	5231.3	5679.0	5966.4	6181.6	6148.2	6068.2	5820.2
47.5°	2776.9	2973.8	3182.6	3444.4	3689.2	4197.2	4159.6	4505.1	4256.2	4425.9	4052.5
50°	2205.1	2315.1	2427.7	2566.6	2694.5	2827.4	2910.4	2972.3	2964.2	2937.6	2866.1
52.5°	1876.1	1910.1	1965.5	2044.5	2115.9	2187.7	2234.9	2273.4	2274.1	2263.4	2227.2
55°	1568.0	1611.1	1651.0	1702.6	1790.5	1804.0	1871.9	1858.1	1863.5	1844.7	1863.9
57.5°	1382.4	1407.5	1430.0	1460.7	1486.2	1515.8	1533.3	1550.2	1548.5	1544.9	1526.4
60°	1251.0	1264.8	1277.3	1295.3	1309.1	1325.9	1334.0	1342.6	1339.8	1333.6	1317.2
62.5°	1149.7	1158.3	1165.4	1177.0	1185.5	1196.0	1200.1	1203.8	1200.1	1194.2	1179.7
65°	1049.7	1055.3	1059.7	1068.5	1074.5	1083.4	1087.0	1090.4	1087.0	1082.4	1071.4
67.5°	959.5	960.1	959.6	963.1	965.0	970.3	971.9	974.4	970.5	966.6	957.3
70°	891.1	889.7	888.0	889.3	889.7	892.2	892.7	892.2	887.7	880.8	870.5
72.5°	837.6	836.9	835.6	836.7	836.7	839.1	838.4	837.2	831.5	824.9	814.7
75°	768.9	768.3	765.8	765.9	763.8	764.5	761.7	760.1	753.8	748.2	739.2
77.5°	688.5	687.2	683.5	682.1	678.0	676.2	671.0	668.4	661.9	657.5	649.7
80°	598.7	597.3	592.5	589.8	583.4	579.3	571.6	567.2	559.7	555.4	547.8
82.5°	494.9	495.4	490.6	487.3	478.0	470.9	460.6	455.0	446.9	442.6	434.9
85°	352.0	346.9	349.6	349.4	343.6	337.4	329.1	323.2	316.3	312.2	306.8
87.5°	193.0	194.2	192.9	191.6	187.5	184.5	177.9	174.5	169.5	167.0	162.9
90°	65.9	65.1	59.7	59.1	53.8	51.4	45.2	43.6	37.9	36.9	33.1
92.5°	43.6	41.3	39.3	36.7	34.7	32.3	30.1	27.8	25.4	24.4	23.9
95°	54.6	51.3	48.1	44.7	41.4	38.0	34.8	31.5	28.1	27.5	26.7
97.5°	61.7	57.8	53.8	49.9	46.0	42.1	38.2	34.3	30.4	29.9	29.5
100°	107.2	98.2	89.2	80.1	71.1	62.0	53.1	44.0	35.0	34.5	34.0
102.5°	240.6	218.7	196.8	174.9	153.2	131.2	109.3	87.3	65.4	62.2	59.1
105°	425.1	391.9	359.0	325.8	292.5	259.4	226.4	193.0	159.9	149.2	138.5
107.5°	558.5	527.3	496.3	465.2	434.0	402.9	371.7	340.5	309.3	290.6	271.9
110°	619.5	594.8	570.3	545.6	521.1	496.4	471.6	447.0	422.3	406.1	390.2



TEST NUMBER: P1444819
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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°	613.2	595.2	577.4	559.4	541.5	523.4	505.5	487.4	469.3	459.7	450.0
115°	556.4	545.6	535.0	524.3	513.6	502.9	492.2	481.3	470.5	465.5	460.5
117.5°	488.6	483.3	478.2	472.9	467.6	462.2	457.0	451.5	446.2	444.7	443.0
120°	420.0	418.7	417.3	416.0	414.6	413.3	411.9	410.4	408.9	409.5	409.9
122.5°	363.2	364.2	365.4	366.3	367.4	368.4	369.6	370.3	371.4	373.1	374.9
125°	324.0	326.1	328.2	330.3	332.3	334.4	336.4	338.3	340.4	342.1	344.1
127.5°	296.8	299.0	301.5	303.7	306.0	308.3	310.7	312.7	315.1	316.8	318.6
130°	278.8	280.8	282.9	284.9	287.1	289.2	291.1	293.2	295.3	296.8	298.4
132.5°	266.5	268.5	270.5	272.2	274.4	276.1	278.1	280.1	282.1	283.3	284.7
135°	259.8	261.3	263.0	264.4	266.2	267.6	269.2	270.9	272.6	273.7	274.8
137.5°	254.1	255.4	256.9	258.1	259.6	260.8	262.4	263.7	265.5	266.2	267.3
140°	249.4	250.8	252.1	253.4	254.9	256.2	257.9	259.4	261.0	261.8	262.8
142.5°	246.6	247.5	248.7	249.8	251.1	252.1	253.5	254.9	256.3	257.2	258.1
145°	243.1	244.3	245.5	246.6	247.8	249.2	250.8	252.3	253.8	254.5	255.3
147.5°	241.3	242.3	243.4	244.6	245.7	246.7	248.2	249.5	250.9	251.5	252.4
150°	238.9	239.8	240.8	241.9	243.1	244.4	245.7	247.1	248.7	249.5	250.2
152.5°	236.6	237.8	238.8	240.0	241.3	242.6	244.0	245.5	247.0	247.6	248.5
155°	235.2	236.2	237.4	238.7	239.9	241.1	242.5	243.9	245.3	246.1	246.9
157.5°	235.4	236.3	237.4	238.5	239.6	240.8	242.1	243.3	244.7	245.3	246.0
160°	236.5	237.3	238.4	239.3	240.5	241.5	242.7	243.7	244.9	245.5	246.1
162.5°	237.9	238.8	239.9	240.7	241.9	242.9	244.1	245.0	246.2	246.8	247.4
165°	240.3	240.9	241.9	242.6	243.3	244.1	245.1	245.8	246.8	247.3	248.0
167.5°	244.6	245.0	245.6	246.1	247.0	247.6	248.3	248.9	249.7	250.2	250.8
170°	247.2	247.6	248.1	248.7	249.3	249.9	250.3	250.9	251.7	252.1	252.7
172.5°	250.1	250.3	250.9	251.2	251.5	251.8	252.3	252.7	253.1	253.6	254.0
175°	253.2	253.3	253.5	253.6	253.7	253.9	254.2	254.5	254.7	255.0	255.3
177.5°	255.9	256.0	256.1	256.2	256.5	256.6	256.8	256.9	257.0	257.3	257.6
180°	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2



TEST NUMBER: P1444819
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CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7
2.5°	28875.4	28875.1	28874.1	28872.8	28871.5	28872.3	28873.6	28876.9	28882.7	28891.1	28902.1
5°	28774.1	28779.9	28783.3	28783.7	28780.7	28778.9	28781.7	28789.6	28805.6	28832.5	28868.7
7.5°	28667.8	28675.0	28686.2	28694.6	28696.2	28694.2	28694.6	28707.1	28736.6	28788.9	28862.2
10°	28554.3	28532.7	28544.0	28564.9	28581.4	28584.5	28586.5	28601.1	28644.4	28723.4	28841.1
12.5°	28449.5	28381.2	28368.0	28386.8	28411.9	28419.9	28417.7	28424.0	28474.6	28579.2	28743.3
15°	28311.6	28183.1	28139.1	28144.0	28175.0	28186.2	28178.0	28165.6	28214.9	28342.5	28555.0
17.5°	28088.5	27881.3	27800.5	27796.9	27833.3	27842.9	27822.9	27784.3	27832.8	27992.1	28256.0
20°	27749.3	27443.4	27291.3	27267.2	27306.6	27295.1	27255.3	27196.9	27260.6	27454.4	27768.1
22.5°	27139.5	26751.9	26492.2	26408.4	26455.6	26424.1	26366.0	26291.4	26376.1	26596.2	26945.6
25°	26143.1	25695.3	25339.6	25140.2	25177.7	25121.4	25058.1	24967.7	25068.7	25321.4	25706.0
27.5°	24678.5	24161.2	23720.5	23390.3	23402.5	23328.6	23255.7	23138.7	23264.9	23563.9	23997.7
30°	22731.0	22132.5	21595.8	21147.0	21106.8	21035.2	20960.5	20807.0	20964.9	21322.9	21829.8
32.5°	20285.3	19620.6	19000.6	18433.2	18326.1	18256.2	18189.7	18013.0	18219.7	18637.0	19219.4
35°	17425.1	16717.1	16044.9	15396.7	15219.4	15149.5	15091.4	14922.1	15180.0	15634.1	16263.2
37.5°	14285.7	13562.4	12895.0	12230.4	11979.8	11884.9	11842.7	11731.8	12029.3	12478.6	13110.1
40°	11062.6	10390.2	9791.8	9204.8	8919.1	8774.1	8751.9	8731.8	9019.4	9409.2	9982.4
42.5°	8047.6	7505.2	7043.7	6595.0	6336.1	6138.1	6138.0	6198.1	6457.0	6749.0	7191.0
45°	5566.9	5202.7	4908.7	4608.9	4689.1	4294.1	4526.2	4407.1	4535.1	4723.3	5010.8
47.5°	3826.6	3627.9	3466.4	3298.9	3176.8	3060.2	3070.4	3145.6	3266.2	3377.9	3527.4
50°	2789.0	2687.7	2605.5	2518.5	2457.8	2406.3	2409.3	2441.8	2505.2	2564.1	2642.3
52.5°	2185.4	2129.6	2084.8	2036.8	2004.9	1979.3	1980.7	1996.5	2030.7	2064.3	2109.2
55°	1801.2	1794.5	1736.4	1693.3	1676.9	1659.6	1662.8	1668.9	1692.3	1711.9	1741.7
57.5°	1509.5	1483.4	1465.9	1443.2	1432.8	1420.8	1423.5	1425.8	1441.3	1454.6	1475.9
60°	1303.4	1284.9	1272.5	1257.1	1250.3	1242.6	1244.3	1245.7	1255.8	1264.3	1279.7
62.5°	1166.5	1149.9	1139.2	1127.3	1122.4	1117.3	1118.5	1118.9	1125.1	1131.5	1143.1
65°	1061.5	1048.4	1039.4	1029.2	1024.2	1018.8	1019.3	1019.3	1024.5	1029.2	1037.9
67.5°	950.5	940.6	934.8	926.6	923.2	917.7	917.6	915.9	919.3	921.1	927.1
70°	861.3	851.3	844.0	836.2	831.8	827.0	827.1	827.2	831.2	835.3	843.0
72.5°	806.2	796.7	790.1	783.2	779.2	775.1	774.4	773.9	776.8	779.1	784.2
75°	733.4	725.8	721.8	715.4	712.2	707.6	706.8	704.7	706.1	706.5	710.3
77.5°	644.9	637.7	634.5	628.0	625.3	620.1	619.6	617.3	618.3	617.6	620.5
80°	544.1	537.5	535.8	530.4	529.2	524.3	523.6	520.6	521.5	519.2	520.3
82.5°	431.5	425.5	424.3	419.3	419.3	414.9	414.7	410.3	410.3	406.5	400.5
85°	304.0	299.5	297.8	293.7	292.4	288.9	287.1	282.9	281.5	278.7	277.9
87.5°	160.4	157.6	155.1	153.3	149.7	143.4	142.8	138.4	138.7	135.6	135.8
90°	32.5	29.0	28.5	25.2	24.6	22.4	21.9	21.7	22.2	22.1	22.5
92.5°	23.1	22.4	21.6	20.9	20.0	19.3	18.5	19.3	20.0	20.9	21.6
95°	26.1	25.4	24.7	24.0	23.4	22.6	22.0	22.6	23.4	24.1	24.8
97.5°	29.1	28.6	28.2	27.8	27.3	26.9	26.5	27.0	27.4	27.9	28.3
100°	33.4	33.0	32.4	32.0	31.4	30.9	30.4	31.2	31.7	32.2	32.7
102.5°	56.0	52.8	49.7	46.5	43.3	40.2	37.0	40.2	43.3	46.6	49.7
105°	127.9	117.3	106.6	95.9	85.2	74.5	63.8	74.6	85.3	96.0	106.8
107.5°	253.0	234.5	215.7	196.9	178.0	159.3	140.5	159.4	178.2	197.0	215.9
110°	373.9	357.8	341.6	325.5	309.2	293.1	276.8	293.2	309.4	325.7	341.9



TEST NUMBER: P1444819
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CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	440.1	430.4	420.6	410.9	401.0	391.3	381.3	391.5	401.4	411.5	421.2
115°	455.6	450.5	445.5	440.5	435.3	430.1	424.8	430.5	435.8	441.1	446.4
117.5°	441.3	439.8	438.1	436.5	434.7	433.1	431.3	433.3	435.3	437.4	439.2
120°	410.3	410.9	411.3	411.7	412.1	412.4	412.6	412.9	412.9	412.9	412.7
122.5°	376.5	378.2	379.8	381.5	383.0	384.6	385.9	385.0	383.8	382.9	381.5
125°	345.7	347.7	349.4	351.1	352.6	354.4	355.6	355.0	353.8	352.7	351.4
127.5°	320.3	322.0	323.7	325.4	326.8	328.3	329.5	329.0	328.0	327.1	325.9
130°	299.8	301.5	302.7	304.2	305.3	306.5	307.3	307.2	306.5	306.1	305.1
132.5°	285.9	287.4	288.5	289.7	290.7	291.7	292.3	292.4	292.1	291.8	291.1
135°	276.0	277.1	278.0	279.1	279.9	280.6	281.0	281.4	281.3	281.2	280.7
137.5°	268.0	269.1	269.8	270.5	271.0	271.5	271.8	272.2	272.4	272.9	272.7
140°	263.7	264.7	265.4	266.1	266.9	267.5	267.6	268.2	268.4	268.5	268.3
142.5°	259.1	259.9	260.8	261.5	262.1	262.6	262.9	263.4	263.6	263.7	263.7
145°	256.2	256.9	257.5	258.3	258.7	259.1	259.1	259.8	260.1	260.3	260.5
147.5°	253.0	253.9	254.4	255.0	255.4	255.8	255.9	256.5	256.8	257.0	257.2
150°	251.2	251.9	252.7	253.3	253.9	254.3	254.4	255.0	255.2	255.4	255.4
152.5°	249.1	249.9	250.6	251.2	251.6	252.0	252.2	252.7	253.0	253.4	253.5
155°	247.5	248.3	248.9	249.6	250.1	250.6	251.0	251.5	251.7	252.0	252.2
157.5°	246.6	247.4	247.8	248.5	248.9	249.6	250.0	250.5	250.9	251.3	251.5
160°	246.7	247.4	247.9	248.6	249.1	249.6	250.1	250.6	251.0	251.4	251.7
162.5°	247.9	248.6	248.9	249.6	250.1	250.6	251.1	251.5	252.0	252.5	252.8
165°	248.6	249.2	249.7	250.3	250.9	251.5	251.9	252.4	252.7	252.9	253.2
167.5°	251.3	251.9	252.3	252.8	253.3	254.0	254.4	254.8	255.0	255.3	255.5
170°	253.0	253.6	254.0	254.4	254.9	255.5	255.7	256.0	256.2	256.5	256.7
172.5°	254.3	254.9	255.4	255.9	256.3	256.8	257.1	257.4	257.4	257.6	257.5
175°	255.6	256.1	256.3	256.8	257.0	257.4	257.8	257.7	257.9	257.8	257.8
177.5°	258.1	258.5	258.8	259.1	259.5	259.6	260.0	259.7	259.6	259.6	259.3
180°	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2



TEST NUMBER: P1444819
 CATALOG NUMBER: EHBR1-36-UNV-TA-L940-UPL15

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7
2.5°	28917.5	28932.0	28954.1	28974.2	29004.4	29028.2	29064.0	29091.1	29131.5	29157.7	29201.6
5°	28920.0	28976.7	29051.0	29123.7	29211.0	29290.2	29388.7	29472.5	29571.5	29652.2	29753.5
7.5°	28960.9	29070.0	29200.8	29332.6	29481.6	29621.0	29778.1	29920.3	30075.7	30207.1	30350.8
10°	28991.1	29159.4	29352.1	29546.0	29750.1	29939.8	30131.3	30296.7	30451.3	30578.6	30691.0
12.5°	28950.2	29182.0	29429.4	29668.2	29895.1	30091.4	30256.1	30383.4	30471.1	30530.8	30544.7
15°	28811.2	29090.2	29359.0	29596.9	29785.2	29930.4	30005.6	30040.8	30003.1	29940.3	29802.5
17.5°	28551.5	28845.7	29086.1	29273.7	29373.2	29412.6	29350.3	29242.0	29030.3	28795.2	28455.8
20°	28075.2	28349.4	28523.7	28626.1	28599.5	28501.0	28265.8	27980.0	27557.3	27106.8	26512.3
22.5°	27240.0	27479.7	27572.5	27580.2	27417.8	27171.2	26747.1	26256.8	25590.0	24896.6	24044.0
25°	25986.2	26196.2	26210.8	26128.4	25831.1	25431.6	24808.8	24115.3	23209.1	22285.2	21216.7
27.5°	24285.9	24487.2	24437.9	24284.1	23871.4	23336.7	22539.4	21643.4	20526.3	19435.2	18253.2
30°	22148.5	22363.7	22305.8	22108.5	21617.6	20985.7	20047.5	19006.6	17766.3	16600.8	15403.1
32.5°	19590.5	19862.7	19822.7	19635.2	19122.9	18446.7	17428.7	16324.7	15055.7	13907.1	12742.1
35°	16683.1	17013.5	17030.7	16908.1	16432.5	15764.1	14758.8	13690.3	12474.7	11391.1	10314.8
37.5°	13550.7	13933.8	14012.5	13979.4	13585.3	12995.2	12079.3	11120.8	10043.9	9094.3	8173.7
40°	10401.0	10788.7	10923.3	10963.2	10672.4	10215.4	9463.7	8689.9	7812.1	7042.6	6311.6
42.5°	7528.5	7872.3	8002.4	8084.2	7902.6	7597.8	7049.5	6487.6	5844.5	5289.5	4757.4
45°	5228.7	5471.9	5570.8	5653.1	5554.3	5382.4	5036.1	4684.7	4260.1	3897.4	3554.0
47.5°	3655.7	3789.8	3855.1	3895.0	3856.7	3767.0	3578.6	3375.1	3135.4	2923.4	2719.7
50°	2709.7	2781.1	2815.2	2838.3	2810.4	2760.6	2658.5	2547.8	2416.1	2296.0	2178.7
52.5°	2147.3	2188.2	2208.6	2220.9	2205.0	2174.5	2115.1	2049.4	1970.5	1896.3	1857.3
55°	1809.0	1806.8	1853.8	1831.1	1853.8	1803.2	1792.6	1720.3	1654.8	1608.7	1558.7
57.5°	1491.8	1513.1	1522.1	1532.2	1525.7	1516.4	1491.2	1465.3	1430.7	1401.8	1371.0
60°	1291.4	1308.9	1318.7	1328.7	1328.1	1324.6	1310.1	1294.6	1273.0	1255.8	1237.0
62.5°	1153.3	1168.5	1178.2	1187.8	1188.6	1187.2	1176.2	1165.4	1150.7	1139.9	1127.0
65°	1044.7	1055.3	1061.9	1069.5	1069.1	1067.1	1057.0	1048.2	1036.0	1028.5	1019.0
67.5°	930.9	939.0	944.1	951.3	952.7	953.2	947.7	943.5	937.6	935.5	932.2
70°	850.0	859.8	868.1	877.2	882.2	884.5	882.2	880.0	876.6	875.1	872.6
72.5°	788.8	797.1	803.5	811.8	816.5	819.8	818.0	816.8	813.8	813.3	811.6
75°	712.8	718.6	722.2	728.5	730.9	734.0	732.6	733.4	732.4	734.8	734.6
77.5°	621.5	625.7	627.4	631.8	632.3	636.0	637.0	641.3	644.4	651.3	654.9
80°	518.6	521.3	521.3	525.9	528.0	534.3	537.3	544.5	547.8	554.0	554.5
82.5°	402.8	399.8	402.8	400.9	406.8	413.9	414.9	421.0	422.4	426.2	423.2
85°	275.4	275.2	272.7	273.2	271.3	272.2	271.1	272.3	271.2	271.3	268.5
87.5°	131.9	133.1	130.2	131.2	128.4	129.7	127.3	129.1	126.2	126.7	122.4
90°	22.7	23.2	23.3	23.9	24.6	25.9	27.3	28.6	30.4	31.6	33.1
92.5°	22.4	23.2	24.0	24.8	25.5	27.9	30.2	32.4	34.8	37.1	39.4
95°	25.5	26.2	26.8	27.9	28.5	31.9	35.2	38.5	41.8	45.2	48.5
97.5°	29.0	29.4	29.9	30.3	30.8	34.8	38.7	42.7	46.6	50.5	54.3
100°	33.4	33.8	34.4	34.9	35.5	44.5	53.7	62.7	71.7	80.8	89.8
102.5°	53.0	56.2	59.3	62.8	66.0	87.9	109.9	131.9	153.6	175.6	197.5
105°	117.5	128.2	139.1	149.8	160.5	193.8	227.1	260.4	293.4	326.6	359.9
107.5°	234.8	253.6	272.5	291.3	310.1	341.4	372.7	404.0	435.3	466.5	497.4
110°	358.5	374.4	391.0	407.2	423.5	448.1	473.0	497.8	522.6	547.2	571.8



TEST NUMBER: P1444819
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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°	431.4	441.0	451.0	460.7	470.7	488.8	507.1	525.3	543.3	561.3	579.4
115°	451.7	456.6	461.9	467.0	472.3	483.2	494.1	505.0	515.9	526.6	537.5
117.5°	441.1	443.0	444.9	446.4	448.2	453.6	459.2	464.6	470.2	475.7	481.1
120°	412.6	412.3	412.1	411.7	411.5	412.9	414.7	416.1	417.7	419.2	420.6
122.5°	380.3	378.8	377.4	375.9	374.4	373.4	372.8	371.7	371.0	370.0	369.2
125°	350.0	348.5	347.0	345.5	343.8	341.9	340.1	338.2	336.2	334.4	332.4
127.5°	324.8	323.3	322.1	320.5	319.0	316.8	314.7	312.5	310.5	308.2	306.0
130°	304.4	303.2	302.3	300.8	299.8	297.7	295.9	293.9	292.0	290.0	288.1
132.5°	290.6	289.6	288.9	287.8	286.9	285.0	283.4	281.5	279.6	277.7	276.0
135°	280.5	279.9	279.4	278.6	277.8	276.1	274.8	273.3	271.9	270.4	269.0
137.5°	272.6	272.1	271.8	271.3	270.8	269.4	268.3	266.9	265.8	264.4	263.3
140°	268.3	267.9	267.7	267.2	266.7	265.4	264.1	262.8	261.6	260.2	259.0
142.5°	263.5	263.3	262.9	262.4	262.1	260.9	260.1	259.0	258.0	256.9	255.9
145°	260.4	260.3	260.1	259.7	259.7	258.5	257.4	256.2	255.3	254.1	252.9
147.5°	257.3	257.1	257.2	256.9	257.0	256.0	255.3	254.2	253.5	252.5	251.7
150°	255.4	255.4	255.3	255.1	255.0	254.1	253.3	252.5	251.6	250.7	250.0
152.5°	253.5	253.6	253.7	253.7	253.8	252.9	252.1	251.3	250.5	249.5	248.7
155°	252.4	252.5	252.7	252.7	252.7	252.0	251.3	250.4	249.7	248.9	248.2
157.5°	251.7	251.9	252.1	252.3	252.4	251.8	251.2	250.6	250.0	249.3	248.7
160°	252.0	252.3	252.5	252.7	252.8	252.3	252.0	251.3	251.0	250.2	249.7
162.5°	253.1	253.4	253.6	253.8	254.0	253.4	253.1	252.6	252.1	251.4	250.9
165°	253.6	253.7	253.9	253.9	254.0	253.6	253.5	253.1	252.8	252.3	251.9
167.5°	255.8	255.8	256.0	256.0	256.2	255.9	255.9	255.6	255.4	255.1	254.8
170°	256.9	257.0	257.1	257.1	257.2	256.9	256.9	256.7	256.6	256.1	255.8
172.5°	257.6	257.5	257.7	257.7	257.6	257.4	257.3	257.1	257.0	256.9	256.8
175°	257.8	257.8	257.8	257.7	257.6	257.6	257.5	257.6	257.5	257.5	257.4
177.5°	259.3	259.1	258.8	258.7	258.5	258.4	258.5	258.4	258.5	258.4	258.3
180°	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2



TEST NUMBER: P1444819
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CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7
2.5°	29228.8	29048.2	29024.5	29037.2	29067.2	29078.4	29111.0	29119.9	29152.7	29160.7	29192.2
5°	29831.9	29593.3	29605.2	29662.6	29749.4	29801.2	29886.5	29931.2	30012.7	30049.8	30123.4
7.5°	30467.9	30280.5	30338.9	30435.6	30554.4	30636.6	30739.2	30806.0	30894.3	30949.2	31020.0
10°	30780.1	30728.7	30793.1	30869.2	30937.0	30990.0	31033.5	31068.2	31091.1	31112.4	31121.7
12.5°	30542.5	30622.0	30632.9	30625.5	30580.6	30546.3	30469.4	30417.1	30324.2	30267.6	30157.1
15°	29661.6	29836.3	29739.5	29593.1	29378.8	29200.1	28947.8	28759.9	28497.2	28319.0	28055.2
17.5°	28115.7	28336.2	28084.1	27745.2	27314.1	26945.3	26486.0	26121.6	25664.9	25332.7	24906.6
20°	25939.3	26145.3	25695.8	25134.0	24467.2	23905.9	23244.1	22716.0	22101.0	21643.4	21091.3
22.5°	23229.6	23376.4	22743.0	21985.6	21136.1	20434.9	19643.6	19010.5	18308.6	17785.6	17196.9
25°	20231.7	20271.4	19511.5	18639.1	17692.1	16904.1	16059.3	15393.8	14677.9	14147.8	13570.1
27.5°	17206.0	17147.9	16326.7	15401.6	14405.5	13586.5	12762.5	12138.8	11511.8	11034.3	10536.5
30°	14350.1	14209.5	13356.8	12405.9	11439.0	10704.9	10020.9	9519.9	9021.2	8642.4	8242.8
32.5°	11731.2	11532.7	10702.7	9811.9	8997.2	8430.6	7923.5	7544.4	7141.6	6821.7	6486.4
35°	9411.5	9200.1	8464.8	7709.6	7092.9	6675.3	6276.7	5965.7	5623.7	5353.8	5062.6
37.5°	7420.7	7247.5	6631.5	6037.2	5570.8	5247.2	4920.6	4666.4	4383.8	4265.1	3953.9
40°	5728.8	5607.7	5126.1	4687.9	4337.7	4185.7	3854.1	3616.7	3405.5	3231.4	3062.7
42.5°	4468.5	4425.7	3957.0	3615.3	3368.7	3177.2	2992.4	2842.4	2696.4	2576.3	2462.9
45°	3279.3	3245.3	3037.3	2840.0	2672.0	2538.1	2413.1	2310.0	2214.5	2135.4	2063.5
47.5°	2553.5	2542.6	2422.8	2300.5	2194.7	2108.7	2027.6	1959.2	1895.8	1843.0	1825.7
50°	2076.9	2075.5	2005.2	1929.7	1854.3	1804.6	1752.9	1712.4	1671.7	1640.0	1606.5
52.5°	1764.6	1757.1	1709.6	1663.0	1618.2	1585.6	1552.5	1526.6	1499.7	1480.1	1459.3
55°	1519.2	1527.2	1499.8	1472.0	1444.0	1423.6	1400.4	1383.4	1365.0	1352.6	1340.0
57.5°	1348.7	1359.4	1344.9	1329.2	1312.1	1298.8	1282.8	1271.0	1258.7	1250.7	1243.5
60°	1224.6	1236.3	1230.5	1222.5	1212.0	1204.1	1193.9	1187.3	1179.4	1175.0	1170.9
62.5°	1119.5	1134.0	1131.9	1128.1	1121.4	1116.9	1111.5	1108.5	1103.3	1101.3	1099.3
65°	1014.5	1030.8	1030.5	1028.6	1024.9	1023.6	1020.2	1019.5	1016.8	1017.9	1017.6
67.5°	931.9	946.1	949.2	951.4	951.3	952.1	951.9	953.3	953.3	955.3	956.6
70°	872.3	882.2	884.5	886.9	887.6	889.4	889.4	890.7	890.4	892.1	892.2
72.5°	812.0	825.1	827.4	829.4	829.4	831.2	830.2	829.9	827.3	826.7	825.0
75°	737.1	753.8	757.4	759.8	760.1	761.7	759.5	758.1	753.8	752.0	749.0
77.5°	658.9	676.1	678.7	679.5	678.1	678.5	673.8	670.5	665.1	662.8	659.9
80°	556.9	582.4	584.4	582.8	578.8	578.2	573.6	570.5	564.0	561.8	559.3
82.5°	423.8	453.6	457.8	459.7	456.4	457.2	452.8	451.1	445.0	444.0	440.0
85°	267.6	297.4	302.3	301.6	298.4	297.7	295.1	295.9	295.4	297.0	297.8
87.5°	123.0	151.9	158.8	156.5	156.2	154.2	149.5	151.3	154.1	155.9	156.1
90°	34.6	44.6	45.9	45.5	42.3	41.5	38.5	38.2	35.7	35.2	32.9
92.5°	41.6	44.0	46.3	44.3	42.2	40.2	38.1	36.0	34.0	31.9	29.9
95°	51.8	54.9	58.2	55.5	52.6	49.9	47.2	44.4	41.7	39.0	36.2
97.5°	58.3	62.0	65.8	63.1	60.3	57.5	54.7	52.0	49.2	46.4	43.6
100°	98.8	107.5	116.5	108.6	100.8	93.0	85.2	77.3	69.6	61.8	53.9
102.5°	219.4	241.1	262.8	243.1	223.3	203.5	183.8	164.1	144.4	124.4	104.7
105°	393.0	425.8	458.8	428.5	398.3	368.2	338.0	307.9	277.7	247.4	217.4
107.5°	528.7	559.2	590.0	562.7	535.4	508.1	480.6	453.4	426.1	398.7	371.4
110°	596.6	620.3	644.8	626.2	607.9	589.3	570.9	552.5	534.1	515.9	497.6



TEST NUMBER: P1444819
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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°	597.4	614.1	631.8	620.8	609.9	599.0	588.1	577.2	566.4	555.4	544.8
115°	548.1	557.4	567.7	563.1	558.7	554.1	549.6	545.2	540.6	536.2	532.0
117.5°	486.4	490.0	494.9	493.6	492.6	491.3	490.2	489.0	488.2	487.1	486.1
120°	422.0	421.6	422.4	422.4	422.6	422.7	422.9	423.0	423.2	423.4	423.7
122.5°	368.2	365.1	363.4	363.4	363.3	363.3	363.4	363.4	363.5	363.7	363.9
125°	330.5	326.1	323.4	322.1	321.0	319.6	318.3	317.0	315.9	314.6	313.6
127.5°	303.8	299.2	296.3	293.9	291.7	289.4	287.1	284.7	282.6	280.3	278.3
130°	286.1	281.4	278.7	276.0	273.3	270.5	267.8	265.1	262.3	259.6	256.9
132.5°	274.2	269.4	266.9	264.3	261.8	259.0	256.5	253.7	251.1	248.3	245.8
135°	267.5	262.8	260.7	258.2	256.0	253.4	251.0	248.5	246.1	243.4	241.3
137.5°	261.9	257.3	255.4	253.3	251.5	249.3	247.4	245.4	243.3	241.1	239.2
140°	257.7	252.8	250.9	249.6	248.5	246.9	245.7	244.3	243.1	241.7	240.4
142.5°	254.8	250.1	248.3	247.4	246.5	245.6	244.9	243.9	243.0	241.8	240.9
145°	252.0	246.7	244.8	244.4	244.3	243.8	243.4	243.2	242.8	242.2	241.9
147.5°	250.7	245.3	243.4	243.4	243.3	243.0	243.1	242.8	242.9	242.5	242.5
150°	248.9	242.8	240.6	240.8	240.7	240.9	241.1	241.0	241.3	241.4	241.4
152.5°	247.8	240.6	238.0	238.2	238.5	238.5	238.8	239.0	239.3	239.6	239.8
155°	247.3	239.3	236.6	236.5	236.5	236.6	236.7	236.8	237.0	237.2	237.5
157.5°	247.8	239.4	236.8	236.5	236.5	236.5	236.5	236.5	236.5	236.6	237.0
160°	249.0	240.6	237.9	237.7	237.7	237.5	237.4	237.3	237.4	237.5	237.7
162.5°	250.1	242.0	239.4	239.1	238.9	238.7	238.7	238.4	238.5	238.5	238.7
165°	251.4	244.2	241.8	241.6	241.6	241.4	241.4	241.3	241.3	241.4	241.6
167.5°	254.4	247.9	246.0	245.7	245.4	245.0	245.0	244.7	244.7	244.4	244.4
170°	255.5	250.4	248.7	248.6	248.7	248.6	248.5	248.5	248.4	248.3	248.4
172.5°	256.5	252.8	251.5	251.5	251.7	251.8	252.0	252.0	252.2	252.4	252.6
175°	257.3	255.1	254.5	254.4	254.5	254.6	254.7	254.7	254.8	254.9	255.2
177.5°	258.3	257.7	257.4	257.4	257.4	257.4	257.4	257.4	257.4	257.5	257.5
180°	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2



TEST NUMBER: P1444819
 CATALOG NUMBER: EHBR1-36-UNV-TA-L940-UPL15

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7
2.5°	29198.1	29232.1	29229.5	29261.3	29259.7	29289.6	29283.7	29309.6	29303.6	29325.8	29312.7
5°	30155.9	30220.5	30242.0	30300.4	30312.5	30364.8	30365.9	30407.4	30402.4	30434.9	30417.6
7.5°	31061.8	31122.3	31151.0	31196.3	31219.1	31256.6	31271.3	31302.3	31309.6	31327.9	31327.3
10°	31138.3	31138.1	31152.3	31145.9	31158.6	31151.2	31166.7	31161.1	31184.0	31178.1	31195.4
12.5°	30109.5	30007.4	29970.1	29878.3	29858.3	29779.6	29785.2	29734.7	29759.1	29728.1	29780.9
15°	27898.3	27661.5	27544.5	27338.5	27273.8	27111.1	27097.8	26989.8	27018.9	26962.4	27045.0
17.5°	24630.8	24258.0	24053.3	23752.6	23633.1	23402.9	23356.8	23217.6	23239.2	23169.1	23269.0
20°	20735.2	20284.5	20026.5	19678.7	19523.5	19249.1	19176.2	19020.6	19040.1	18970.4	19083.3
22.5°	16795.1	16323.4	16031.9	15667.5	15469.3	15211.3	15133.8	14977.3	14986.3	14920.8	15029.4
25°	13174.2	12722.0	12439.1	12108.0	11936.1	11699.5	11618.1	11477.7	11485.6	11431.6	11529.1
27.5°	10191.3	9820.2	9583.6	9305.9	9151.8	8957.3	8877.9	8759.9	8759.5	8719.9	8801.4
30°	7963.9	7654.2	7441.8	7200.0	7055.4	6879.7	6803.1	6697.4	6692.8	6664.7	6729.5
32.5°	6235.5	5960.1	5766.3	5553.6	5423.7	5273.0	5200.4	5115.6	5107.8	5082.4	5135.5
35°	4847.4	4615.4	4448.8	4269.6	4282.9	4060.6	4097.6	3924.9	3878.1	3867.9	3907.4
37.5°	3746.4	3566.8	3431.4	3297.3	3206.4	3112.5	3061.9	3016.5	3011.4	3007.0	3034.6
40°	2932.4	2806.7	2708.3	2616.2	2553.7	2496.4	2464.8	2439.8	2433.9	2430.6	2447.3
42.5°	2373.4	2288.5	2225.0	2169.0	2131.0	2099.7	2082.4	2068.5	2063.9	2064.1	2073.9
45°	2005.2	1953.8	1912.9	1877.9	1853.7	1864.3	1832.9	1849.4	1827.7	1850.2	1835.3
47.5°	1765.8	1722.1	1696.7	1672.0	1657.3	1645.5	1645.9	1646.1	1650.8	1651.5	1656.3
50°	1581.2	1555.8	1538.2	1522.4	1514.8	1508.6	1510.8	1512.3	1516.8	1517.2	1520.7
52.5°	1444.5	1427.8	1417.2	1407.4	1404.0	1400.4	1401.9	1401.3	1403.3	1402.3	1405.2
55°	1333.3	1325.4	1322.1	1318.5	1318.9	1318.0	1318.7	1315.1	1313.0	1310.3	1312.7
57.5°	1242.0	1240.9	1243.2	1244.7	1248.9	1250.4	1251.3	1247.2	1243.4	1239.8	1241.9
60°	1171.6	1173.4	1178.9	1183.5	1189.4	1192.2	1194.0	1191.6	1188.8	1185.9	1187.7
62.5°	1102.3	1104.9	1111.6	1116.7	1123.9	1127.8	1131.9	1132.1	1133.3	1132.1	1133.3
65°	1021.7	1025.1	1031.1	1035.2	1042.0	1045.4	1049.7	1050.4	1052.8	1052.3	1054.3
67.5°	960.5	963.6	968.6	972.5	978.6	982.0	985.8	986.0	986.9	986.6	988.6
70°	895.3	896.8	901.3	904.6	910.6	914.1	918.4	919.7	922.4	922.9	925.0
72.5°	825.7	825.1	827.8	829.3	833.7	836.5	842.0	845.0	849.6	850.7	852.4
75°	749.9	749.2	752.5	753.8	757.6	760.4	766.6	770.5	777.5	780.3	779.6
77.5°	662.1	663.7	669.7	673.0	678.1	681.7	689.7	696.0	708.8	714.4	708.7
80°	564.0	565.6	571.8	575.0	581.7	586.0	594.9	602.4	613.9	616.3	613.1
82.5°	443.5	443.8	449.4	451.8	460.6	466.9	478.2	484.2	491.3	490.1	489.3
85°	302.3	306.4	313.4	320.4	331.1	341.4	352.1	360.9	354.7	364.5	353.5
87.5°	161.6	161.2	170.6	169.1	184.2	192.9	202.1	206.5	211.4	210.5	210.6
90°	32.9	31.0	31.5	29.4	30.7	28.4	30.5	28.4	30.9	28.2	32.6
92.5°	27.8	26.7	25.5	24.5	23.3	22.4	21.1	20.0	18.9	17.8	18.9
95°	33.5	32.5	31.5	30.4	29.3	28.3	27.3	26.3	25.2	24.2	25.5
97.5°	40.9	40.3	39.7	39.1	38.5	37.9	37.3	36.7	36.0	35.4	36.2
100°	46.1	46.1	46.1	46.1	45.8	45.8	45.8	45.8	45.8	45.8	46.5
102.5°	85.0	83.0	81.1	79.0	77.0	75.0	73.0	71.1	69.1	67.2	70.1
105°	187.3	179.5	171.8	164.1	156.2	148.6	140.9	133.1	125.5	117.8	125.7
107.5°	344.3	330.2	316.1	302.0	288.0	273.9	259.9	245.9	231.9	217.8	230.4
110°	479.1	464.1	449.1	434.2	419.2	404.3	389.4	374.5	359.6	344.7	356.7



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	534.1	524.1	514.5	504.8	495.1	485.6	475.9	466.3	456.7	447.1	452.9
115°	527.5	522.8	518.1	513.5	508.8	504.0	499.4	494.9	490.3	485.8	486.1
117.5°	485.2	483.3	481.8	480.0	478.4	476.8	475.3	473.8	472.3	470.9	467.7
120°	424.1	424.3	424.5	424.8	425.2	425.7	425.9	426.5	427.2	427.7	423.3
122.5°	364.1	364.8	365.7	366.6	367.6	368.7	369.8	371.0	372.3	373.6	369.2
125°	312.4	313.1	314.0	314.7	315.5	316.7	317.8	319.0	320.2	321.6	318.0
127.5°	276.0	276.0	275.9	276.0	276.1	276.5	276.9	277.4	278.0	278.7	276.3
130°	254.2	253.4	252.5	251.8	251.0	250.6	250.1	249.9	249.6	249.5	248.6
132.5°	243.2	241.8	240.3	239.0	237.7	236.6	235.5	234.9	234.0	233.5	233.2
135°	238.7	236.9	235.1	233.5	231.8	230.5	229.1	228.1	226.9	226.0	226.4
137.5°	237.1	235.4	233.6	232.0	230.3	229.0	227.6	226.4	225.4	224.5	225.1
140°	238.9	237.1	235.3	233.8	232.4	231.0	229.7	228.6	227.4	226.7	226.9
142.5°	239.8	238.5	236.8	235.4	233.9	232.7	231.6	230.7	229.5	228.9	229.3
145°	241.4	240.4	239.1	237.9	237.0	236.2	235.1	234.5	233.7	233.5	233.7
147.5°	242.2	241.5	240.5	239.7	238.8	238.2	237.6	237.1	236.6	236.3	236.4
150°	241.5	241.0	240.4	239.9	239.3	239.1	238.6	238.3	238.0	237.8	237.8
152.5°	240.0	239.6	239.2	238.8	238.3	238.1	237.8	237.6	237.5	237.3	237.3
155°	237.7	237.5	237.3	237.2	237.0	237.2	237.0	237.2	237.1	237.3	237.4
157.5°	237.1	237.2	237.1	237.3	237.4	237.6	237.6	237.9	237.9	238.2	238.5
160°	237.9	238.0	237.9	238.1	238.2	238.2	238.3	238.6	238.7	238.9	239.2
162.5°	238.8	239.1	239.2	239.4	239.7	239.9	240.3	240.7	240.9	241.3	241.7
165°	241.8	241.8	241.9	241.9	242.0	242.1	242.3	242.6	242.8	243.1	243.5
167.5°	244.3	244.5	244.5	244.7	244.8	245.1	245.3	245.7	246.0	246.5	246.9
170°	248.3	248.3	248.3	248.3	248.3	248.5	248.6	248.7	248.8	249.1	249.3
172.5°	252.7	252.7	252.5	252.7	252.5	252.7	252.7	252.8	252.8	252.8	252.9
175°	255.1	255.4	255.5	255.6	255.6	255.7	255.8	255.9	256.0	256.2	256.2
177.5°	257.5	257.6	257.6	257.6	257.6	257.7	257.7	257.7	257.7	257.6	257.7
180°	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2



TEST NUMBER: P1444819
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CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7
2.5°	29334.4	29319.6	29334.6	29319.4	29334.6	29316.4	29328.8	29309.0	29314.0	29293.5	29298.8
5°	30443.5	30420.1	30432.6	30402.1	30405.4	30364.8	30364.0	30316.8	30304.3	30250.5	30226.9
7.5°	31340.4	31332.7	31337.0	31317.5	31315.2	31287.5	31274.3	31235.3	31210.7	31161.1	31127.3
10°	31198.4	31221.3	31227.2	31250.5	31255.3	31278.4	31283.3	31306.4	31311.1	31328.3	31328.4
12.5°	29778.4	29856.1	29874.6	29970.5	30010.9	30120.7	30179.4	30300.4	30372.2	30492.8	30566.8
15°	27042.8	27177.1	27230.7	27418.0	27521.6	27740.2	27877.5	28128.5	28305.7	28572.3	28762.5
17.5°	23277.8	23465.5	23550.1	23804.1	23969.7	24292.5	24525.0	24907.8	25200.8	25626.2	25963.4
20°	19102.6	19311.2	19426.2	19715.9	19911.4	20288.4	20578.7	21049.1	21441.4	21980.4	22441.4
22.5°	15063.5	15262.0	15389.7	15684.4	15904.5	16297.7	16622.2	17118.7	17558.2	18165.6	18718.3
25°	11565.9	11747.9	11863.2	12129.8	12336.6	12697.9	13007.7	13485.2	13915.2	14524.4	15091.2
27.5°	8842.0	8994.4	9105.6	9332.9	9515.3	9821.7	10087.9	10482.4	10853.0	11380.1	11884.7
30°	6769.2	6904.3	7012.6	7210.6	7379.6	7645.3	7879.3	8210.8	8517.4	8936.8	9338.3
32.5°	5172.9	5289.1	5385.6	5558.8	5712.2	5951.4	6162.3	6452.9	6716.0	7071.7	7402.0
35°	3944.1	4172.9	4156.7	4395.7	4434.2	4605.9	4794.0	5048.0	5281.1	5583.5	5864.7
37.5°	3061.3	3125.6	3194.5	3300.2	3411.2	3567.5	3726.4	4036.7	4150.6	4379.2	4611.8
40°	2468.6	2512.1	2557.6	2629.0	2706.7	2816.8	2932.5	3080.6	3232.3	3417.6	3607.0
42.5°	2087.0	2111.6	2140.5	2182.6	2230.5	2300.2	2377.7	2478.1	2583.5	2714.1	2847.2
45°	1864.6	1852.9	1861.5	1884.1	1912.9	1955.3	2004.2	2066.4	2135.1	2219.6	2309.5
47.5°	1657.3	1662.1	1664.6	1676.9	1692.3	1720.7	1750.4	1792.6	1874.1	1898.9	1948.0
50°	1520.4	1522.7	1521.9	1528.1	1536.0	1554.5	1573.6	1602.2	1630.8	1668.6	1704.6
52.5°	1405.6	1408.8	1408.4	1412.5	1416.7	1428.4	1440.5	1460.7	1479.4	1503.4	1524.2
55°	1315.0	1319.4	1321.1	1324.5	1326.6	1332.7	1337.6	1347.2	1355.2	1368.8	1381.4
57.5°	1245.3	1251.3	1254.1	1255.3	1252.8	1252.5	1250.9	1253.0	1254.6	1261.8	1268.9
60°	1190.5	1195.3	1196.0	1195.3	1190.7	1187.6	1182.4	1180.8	1179.9	1183.5	1187.3
62.5°	1133.0	1134.7	1133.5	1132.1	1127.0	1123.8	1118.5	1116.6	1114.7	1117.2	1119.3
65°	1053.5	1055.0	1053.5	1052.7	1048.1	1045.6	1041.1	1039.6	1037.0	1037.7	1037.2
67.5°	989.0	990.5	989.3	988.1	984.9	983.4	980.1	977.9	974.9	973.7	971.5
70°	924.7	925.9	924.0	922.9	919.3	917.9	914.7	914.0	911.6	911.1	908.5
72.5°	850.7	850.8	848.3	847.5	844.8	844.7	843.4	844.6	844.4	845.7	845.2
75°	775.0	773.9	770.8	770.2	768.1	769.1	767.7	769.5	769.7	772.5	772.9
77.5°	699.2	695.2	689.1	686.3	682.2	681.6	679.3	680.8	680.3	683.5	684.9
80°	603.4	598.6	590.8	587.0	582.2	581.4	579.3	581.4	580.3	584.1	586.8
82.5°	481.8	477.6	469.5	466.4	460.9	461.4	459.0	461.4	461.1	466.7	469.8
85°	356.4	353.6	345.2	337.8	329.5	324.7	319.9	319.1	317.7	319.9	321.9
87.5°	205.8	203.3	196.7	192.4	177.9	178.6	172.9	172.5	171.1	169.8	172.9
90°	31.4	35.1	34.1	37.5	36.9	40.8	40.6	44.3	43.4	46.9	46.7
92.5°	20.0	21.1	22.3	23.3	24.4	25.5	26.6	27.8	30.2	32.2	34.9
95°	26.8	28.0	29.3	30.7	32.0	33.2	34.5	35.8	39.3	42.8	46.3
97.5°	37.2	38.0	38.8	39.7	40.5	41.5	42.3	43.1	47.0	50.8	54.5
100°	47.2	47.9	48.5	49.3	49.9	50.6	51.3	52.0	59.5	66.8	74.1
102.5°	72.9	75.9	78.8	81.7	84.7	87.7	90.6	93.4	110.2	126.9	143.6
105°	133.7	141.6	149.7	157.6	165.6	173.6	181.7	189.6	216.4	243.1	270.1
107.5°	243.0	255.6	268.1	280.8	293.4	306.0	318.6	331.3	357.4	383.7	409.8
110°	368.7	380.8	392.7	404.8	416.7	428.8	440.9	453.2	468.9	484.5	500.4



TEST NUMBER: P1444819
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CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	458.8	464.6	470.6	476.4	482.4	488.5	494.4	500.4	508.4	516.3	524.3
115°	486.5	486.9	487.4	487.9	488.5	488.9	489.7	490.2	493.0	495.6	498.4
117.5°	464.5	461.4	458.3	455.3	452.2	449.4	446.4	443.6	443.4	443.1	443.1
120°	419.2	415.1	410.9	406.7	402.8	398.7	394.9	391.1	389.3	387.5	386.0
122.5°	365.0	360.9	356.8	352.8	348.9	345.1	341.4	337.6	336.6	335.6	334.6
125°	314.4	311.1	307.7	304.6	301.4	298.4	295.4	292.6	293.0	293.4	293.9
127.5°	274.4	272.4	270.5	268.8	267.2	265.6	264.1	262.5	264.2	265.6	267.2
130°	247.8	247.1	246.6	246.0	245.8	245.4	245.1	244.9	247.3	249.4	251.7
132.5°	233.5	233.5	233.7	234.1	234.6	235.1	235.9	236.4	239.0	241.3	243.9
135°	226.9	227.3	228.2	228.8	229.9	230.8	231.9	232.8	235.4	237.6	240.2
137.5°	225.8	226.4	227.3	228.3	229.5	230.5	231.8	232.9	235.0	236.9	238.9
140°	227.7	228.2	229.1	229.9	230.9	231.7	232.9	233.8	235.7	237.3	238.9
142.5°	230.0	230.4	231.2	232.0	232.9	233.7	234.8	235.6	236.9	238.1	239.7
145°	234.1	234.6	235.3	235.8	236.5	237.3	238.1	238.9	239.9	240.6	241.7
147.5°	236.8	237.1	237.7	238.2	238.9	239.4	239.9	240.5	241.3	241.9	242.7
150°	238.2	238.4	238.8	239.1	239.6	240.1	240.6	240.9	241.6	242.1	242.9
152.5°	237.8	237.8	238.2	238.5	239.0	239.3	239.6	240.1	240.7	241.1	241.8
155°	237.7	238.1	238.5	238.9	239.4	239.6	240.2	240.5	241.0	241.4	241.9
157.5°	238.9	239.2	239.6	239.9	240.4	240.7	241.2	241.5	242.0	242.3	242.8
160°	239.7	240.2	240.6	241.0	241.6	241.9	242.5	243.1	243.4	243.8	244.2
162.5°	242.1	242.5	243.0	243.3	243.7	244.1	244.5	244.8	245.5	245.9	246.4
165°	244.0	244.5	245.1	245.4	246.0	246.5	247.0	247.4	247.8	248.2	248.6
167.5°	247.4	247.6	248.3	248.7	249.1	249.6	250.1	250.5	250.9	251.2	251.5
170°	249.8	250.1	250.6	250.9	251.3	251.6	252.1	252.5	252.9	253.3	253.8
172.5°	253.3	253.6	253.9	254.0	254.3	254.7	255.0	255.3	255.6	255.9	256.3
175°	256.2	256.2	256.3	256.4	256.6	256.6	256.7	256.9	256.9	257.0	257.1
177.5°	257.8	257.9	258.0	258.1	258.2	258.3	258.3	258.4	258.4	258.4	258.4
180°	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2



TEST NUMBER: P1444819
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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°	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7
2.5°	29278.3	29279.6	29255.9	29254.7	29232.5	29229.7	29208.2	29201.6	29184.1	29177.7	29159.9
5°	30166.6	30137.8	30071.4	30032.2	29966.6	29923.1	29852.0	29805.6	29737.0	29685.2	29616.2
7.5°	31065.0	31020.3	30945.6	30885.2	30794.1	30721.3	30614.6	30527.2	30411.7	30311.7	30190.4
10°	31328.4	31321.6	31302.5	31274.9	31232.5	31184.8	31112.2	31036.5	30935.3	30825.3	30690.5
12.5°	30680.1	30750.2	30845.6	30902.2	30971.0	31001.2	31029.4	31022.3	31003.8	30948.1	30870.2
15°	29037.9	29234.6	29495.1	29696.9	29929.2	30097.9	30284.4	30400.5	30516.4	30569.9	30602.6
17.5°	26425.4	26797.9	27265.0	27652.0	28098.6	28457.3	28850.5	29146.5	29450.9	29669.0	29866.2
20°	23069.7	23609.4	24269.9	24853.5	25532.0	26121.8	26767.9	27298.4	27845.5	28273.3	28678.2
22.5°	19429.8	20070.8	20869.4	21609.2	22484.0	23270.2	24157.2	24929.2	25735.2	26408.6	27059.7
25°	15850.7	16553.6	17426.8	18252.2	19243.0	20157.5	21209.4	22171.5	23213.3	24117.9	25011.4
27.5°	12582.4	13272.5	14164.0	15042.6	16090.3	17064.7	18191.8	19251.9	20438.1	21532.0	22651.0
30°	9896.2	10481.5	11280.8	12131.9	13165.2	14156.7	15296.0	16386.3	17620.3	18814.8	20075.2
32.5°	7840.4	8286.3	8914.8	9634.4	10587.8	11531.7	12616.5	13669.0	14884.2	16090.8	17401.7
35°	6226.7	6574.5	7053.7	7615.3	8422.6	9236.2	10195.8	11153.0	12286.7	13431.6	14705.8
37.5°	4910.1	5192.3	5567.6	5989.5	6637.0	7304.8	8091.6	8885.1	9870.2	10885.1	12039.8
40°	3834.3	4062.7	4354.9	4669.5	5158.5	5673.0	6281.5	6896.9	7688.3	8517.8	9473.4
42.5°	3012.1	3180.7	3387.1	3616.9	4073.2	4346.3	4758.9	5204.0	5785.9	6388.0	7106.5
45°	2419.0	2534.0	2677.1	2831.3	3043.0	3274.7	3557.4	3853.7	4406.5	4677.6	5114.5
47.5°	2020.1	2097.3	2188.3	2285.5	2410.4	2545.2	2712.8	2884.1	3105.7	3335.4	3604.7
50°	1751.5	1829.9	1861.1	1911.6	1983.8	2060.8	2155.3	2249.7	2368.6	2489.1	2627.7
52.5°	1552.0	1577.6	1611.7	1643.6	1688.4	1776.1	1804.4	1853.8	1920.5	1985.6	2058.5
55°	1399.8	1416.5	1438.6	1457.9	1484.9	1510.8	1548.2	1581.1	1625.5	1664.9	1713.1
57.5°	1281.3	1291.9	1307.3	1320.0	1337.5	1352.0	1373.9	1391.8	1417.3	1439.6	1468.8
60°	1195.1	1202.3	1212.5	1220.8	1232.0	1239.6	1250.5	1258.8	1272.3	1283.6	1299.9
62.5°	1124.9	1128.5	1135.2	1140.1	1147.1	1151.0	1156.8	1160.5	1167.9	1173.6	1182.7
65°	1040.5	1041.3	1045.8	1047.8	1053.4	1055.5	1060.2	1061.9	1068.0	1072.2	1080.2
67.5°	971.3	969.4	969.5	967.9	968.6	967.0	967.4	965.7	968.2	969.5	975.6
70°	908.2	905.5	904.6	901.7	900.8	897.8	897.0	894.3	894.0	893.2	895.3
72.5°	846.6	845.8	846.1	844.1	843.9	841.8	841.9	840.6	842.0	842.7	845.5
75°	775.9	776.1	777.5	775.7	776.2	774.5	775.1	773.5	774.4	774.0	776.8
77.5°	689.8	691.8	695.6	694.8	696.0	694.1	694.9	692.7	693.3	691.8	692.9
80°	592.9	597.2	602.2	602.0	604.2	602.8	604.7	602.6	603.4	600.8	600.2
82.5°	477.9	481.6	487.0	487.2	491.9	492.7	498.0	497.8	501.1	499.0	497.5
85°	326.7	329.2	333.9	336.5	341.4	344.3	349.4	351.4	347.8	354.4	349.2
87.5°	170.6	176.9	173.4	181.7	179.7	188.1	186.3	194.1	192.5	199.2	198.3
90°	51.3	51.6	56.6	57.1	63.1	64.3	68.0	66.4	70.0	68.6	72.1
92.5°	37.1	39.7	42.1	44.5	46.9	49.4	47.0	44.8	42.7	40.5	38.2
95°	49.8	53.3	56.8	60.4	63.8	67.4	63.6	59.9	56.2	52.4	48.6
97.5°	58.3	62.0	65.9	69.6	73.5	77.2	72.8	68.3	63.9	59.5	55.1
100°	81.3	88.8	96.1	103.3	110.7	117.9	109.7	101.5	93.3	85.0	76.6
102.5°	160.5	177.3	194.1	210.8	227.5	244.3	226.8	209.4	191.7	174.2	156.6
105°	296.8	323.7	350.4	377.2	404.0	431.1	402.6	374.1	345.6	317.3	288.7
107.5°	436.0	462.1	488.5	514.6	540.8	567.2	538.4	509.4	480.7	451.8	423.0
110°	516.3	532.1	547.9	563.9	579.7	595.7	574.6	553.8	532.8	511.8	490.8



TEST NUMBER: P1444819
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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°	532.4	540.5	548.6	556.8	564.8	573.0	558.1	543.2	528.2	513.4	498.4
115°	501.2	503.9	506.8	509.7	512.4	515.3	505.4	495.4	485.5	475.5	465.5
117.5°	443.0	443.0	442.7	442.9	442.6	442.6	437.3	431.8	426.4	420.9	415.4
120°	384.1	382.5	380.9	379.3	377.5	375.7	373.7	371.6	369.5	367.3	365.1
122.5°	333.5	332.7	331.7	330.7	329.6	328.6	328.0	327.6	326.8	326.3	325.6
125°	294.4	294.9	295.2	295.7	296.1	296.5	296.4	296.4	296.3	296.3	296.0
127.5°	268.6	270.2	271.5	273.1	274.3	275.8	276.0	276.4	276.6	276.9	277.2
130°	253.8	256.1	258.2	260.3	262.3	264.5	264.6	264.8	265.0	265.1	265.3
132.5°	246.3	248.7	251.1	253.6	255.7	258.2	258.3	258.4	258.3	258.6	258.6
135°	242.4	244.7	246.9	249.3	251.3	253.5	253.5	253.7	253.5	253.7	253.7
137.5°	240.6	242.8	244.6	246.4	248.1	250.0	249.9	250.1	249.8	250.1	250.0
140°	240.4	242.0	243.4	245.0	246.5	248.0	247.8	247.7	247.4	247.4	247.1
142.5°	240.9	242.1	243.3	244.6	245.7	246.9	246.2	245.9	245.5	245.1	244.7
145°	242.6	243.5	244.4	245.3	245.8	246.8	246.1	245.7	244.8	244.4	243.8
147.5°	243.3	244.0	244.4	245.1	245.4	246.1	245.5	244.8	244.3	243.5	242.9
150°	243.3	243.9	244.4	244.8	245.3	245.9	245.1	244.4	243.5	242.9	242.1
152.5°	242.3	242.7	243.2	243.5	244.0	244.4	243.5	243.1	242.2	241.4	240.6
155°	242.2	242.7	243.0	243.3	243.4	243.8	243.1	242.6	241.9	241.3	240.6
157.5°	243.1	243.5	243.8	244.1	244.3	244.6	244.2	243.7	243.2	242.7	242.1
160°	244.6	244.8	245.2	245.4	245.7	245.9	245.4	245.2	244.7	244.3	243.7
162.5°	246.8	247.2	247.5	247.8	248.2	248.6	248.1	247.6	247.2	246.7	246.0
165°	248.8	249.2	249.5	249.9	250.0	250.2	249.9	249.8	249.3	249.0	248.7
167.5°	251.8	252.2	252.5	252.8	252.8	253.0	252.8	252.7	252.2	251.9	251.5
170°	254.0	254.2	254.6	254.9	255.2	255.4	255.2	255.0	254.6	254.3	254.1
172.5°	256.6	256.8	256.9	257.2	257.3	257.6	257.3	257.0	256.8	256.4	256.1
175°	257.1	257.3	257.5	257.5	257.5	257.6	257.3	257.0	256.9	256.6	256.3
177.5°	258.4	258.4	258.4	258.3	258.3	258.3	258.2	258.0	257.8	257.6	257.4
180°	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2



TEST NUMBER: P1444819
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CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7
2.5°	29153.6	29140.9	29132.7	29122.4	29116.1	29108.0	29102.1	29097.1	29093.0	29089.2	29086.4
5°	29563.5	29498.4	29447.8	29393.0	29348.0	29303.2	29268.6	29240.0	29220.2	29205.4	29196.6
7.5°	30085.5	29966.2	29860.2	29748.5	29648.4	29549.9	29465.1	29392.0	29337.1	29301.6	29280.0
10°	30551.6	30392.0	30234.0	30067.7	29910.2	29757.2	29616.2	29492.1	29393.8	29328.5	29290.4
12.5°	30760.5	30624.5	30463.2	30282.8	30089.5	29894.2	29703.7	29531.9	29387.7	29290.9	29235.1
15°	30576.5	30520.7	30411.2	30271.1	30087.9	29885.8	29662.1	29451.9	29258.5	29133.1	29060.4
17.5°	29977.9	30055.9	30047.5	29994.0	29862.1	29692.1	29464.1	29228.1	28986.1	28818.5	28726.9
20°	28967.7	29212.8	29337.1	29400.9	29349.2	29238.9	29032.5	28792.9	28510.9	28292.0	28158.5
22.5°	27548.2	27980.8	28250.4	28447.6	28489.5	28451.9	28269.8	28041.8	27727.5	27464.4	27267.2
25°	25720.7	26354.6	26780.6	27114.6	27244.3	27277.8	27122.8	26896.1	26545.7	26239.3	25968.4
27.5°	23568.2	24391.8	24960.6	25409.4	25612.1	25699.9	25557.2	25325.9	24911.5	24545.6	24191.8
30°	21144.9	22122.0	22807.0	23345.1	23592.1	23708.1	23556.5	23298.4	22816.1	22375.9	21930.0
32.5°	18551.2	19620.5	20366.8	20951.2	21196.0	21305.2	21106.8	20816.9	20259.5	19740.8	19221.0
35°	15835.7	16914.9	17667.5	18236.4	18441.6	18507.3	18253.7	17918.6	17301.0	16731.8	16164.9
37.5°	13064.8	14068.9	14753.0	15263.5	15390.4	15401.8	15096.2	14726.1	14077.0	13515.7	12951.4
40°	10318.0	11164.7	11717.0	12125.6	12169.7	12130.4	11798.2	11425.7	10818.4	10315.6	9820.2
42.5°	7730.5	8369.6	8763.7	9043.8	9027.1	8949.5	8644.8	8324.7	7823.7	7440.7	7050.8
45°	5513.8	5935.2	6165.6	6329.5	6276.9	6202.9	5965.8	5741.5	5400.9	5153.6	4891.6
47.5°	3830.5	4333.7	4246.2	4566.6	4290.5	4472.8	4093.2	3883.8	3703.2	3571.7	3423.7
50°	2742.3	2857.6	2913.3	2951.4	2931.1	2903.1	2834.9	2774.0	2691.4	2631.2	2561.2
52.5°	2117.8	2175.5	2207.1	2229.9	2225.4	2215.2	2185.5	2158.3	2119.7	2094.2	2063.5
55°	1793.9	1794.7	1852.9	1827.9	1864.7	1821.6	1838.5	1790.7	1798.4	1757.5	1729.9
57.5°	1490.6	1514.3	1524.9	1535.2	1532.3	1530.5	1519.0	1513.2	1500.2	1496.2	1487.0
60°	1311.2	1323.6	1326.2	1330.9	1326.9	1325.4	1316.4	1313.2	1304.5	1302.8	1296.8
62.5°	1188.2	1194.6	1194.6	1194.6	1189.3	1184.4	1174.4	1169.2	1161.8	1160.2	1156.6
65°	1085.6	1092.1	1093.2	1094.6	1090.8	1087.0	1078.1	1072.4	1064.8	1061.9	1057.8
67.5°	979.5	986.5	988.9	992.5	990.3	989.5	983.5	981.3	976.3	975.1	971.3
70°	896.3	899.2	899.0	898.9	894.2	890.0	883.0	879.7	874.4	873.3	870.0
72.5°	846.9	848.9	847.6	845.7	839.7	833.5	825.3	819.3	812.4	808.1	803.3
75°	777.2	779.9	778.1	777.0	771.5	767.4	760.9	757.5	752.7	751.3	747.9
77.5°	691.6	692.9	690.1	689.8	685.6	683.0	678.1	677.2	673.7	673.8	670.5
80°	596.3	595.6	591.1	590.2	586.0	585.0	581.1	581.3	578.6	579.7	577.4
82.5°	490.7	488.0	482.1	480.4	475.5	475.1	472.5	474.7	473.0	475.5	474.0
85°	351.6	352.4	349.8	349.8	348.4	348.8	348.6	350.2	350.5	352.8	352.7
87.5°	196.0	198.8	198.3	200.9	200.8	203.7	204.7	209.0	209.5	213.4	213.4
90°	70.7	74.7	73.2	77.3	76.9	81.2	81.6	86.0	85.8	89.5	88.4
92.5°	36.0	33.8	31.7	29.3	28.2	26.8	26.2	24.6	23.8	22.4	21.2
95°	44.8	41.1	37.3	33.5	32.2	30.8	29.6	28.3	27.0	25.7	24.5
97.5°	50.6	46.2	41.7	37.3	36.1	35.0	33.8	32.7	31.6	30.5	29.3
100°	68.3	60.0	51.8	43.4	42.5	41.6	40.6	39.7	38.7	37.6	36.7
102.5°	139.1	121.4	103.8	86.2	82.8	79.5	76.2	72.8	69.4	66.1	62.8
105°	260.2	231.7	203.2	174.6	165.6	156.4	147.4	138.3	129.1	120.1	111.1
107.5°	394.0	365.0	336.0	307.1	290.4	273.6	256.9	240.0	223.3	206.5	189.7
110°	469.7	448.7	427.5	406.3	393.0	379.5	366.0	352.4	339.0	325.3	311.8



TEST NUMBER: P1444819
 CATALOG NUMBER: EHBR1-36-UNV-TA-L940-UPL15

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	483.3	468.4	453.3	438.2	432.2	426.0	420.1	413.9	407.9	401.5	395.6
115°	455.4	445.3	435.2	424.9	423.1	420.9	419.0	416.7	414.7	412.4	410.3
117.5°	409.9	404.3	398.7	393.2	393.7	394.2	394.6	395.0	395.5	395.8	396.0
120°	362.9	360.7	358.5	356.3	358.3	360.4	362.4	364.2	366.2	367.9	369.7
122.5°	325.1	324.2	323.7	322.8	325.4	327.8	330.3	332.6	334.8	336.9	339.1
125°	296.0	295.7	295.6	295.3	298.0	300.5	303.0	305.2	307.6	309.7	311.8
127.5°	277.4	277.6	278.0	278.1	280.2	281.9	283.8	285.5	287.1	288.5	290.0
130°	265.4	265.5	265.7	265.8	267.7	269.3	271.2	272.7	274.2	275.4	276.7
132.5°	258.8	258.8	259.0	258.9	260.5	261.7	263.2	264.1	265.3	266.1	267.0
135°	253.8	253.6	253.7	253.6	255.0	256.4	257.6	258.5	259.7	260.4	261.1
137.5°	250.1	249.9	249.9	249.8	251.1	252.3	253.3	254.3	255.2	256.1	256.7
140°	247.1	246.7	246.7	246.4	247.6	248.7	249.8	250.5	251.5	252.0	252.7
142.5°	244.3	243.6	243.5	242.9	243.8	244.6	245.3	246.0	246.6	247.1	247.4
145°	243.3	242.4	241.9	241.3	241.9	242.6	243.2	243.8	244.2	244.5	244.7
147.5°	242.3	241.6	240.8	240.2	240.8	241.3	241.7	241.9	242.4	242.6	242.8
150°	241.4	240.5	239.6	238.8	239.2	239.5	239.8	240.2	240.5	240.5	240.6
152.5°	239.8	239.0	238.1	237.2	237.5	237.7	237.8	237.9	238.0	238.1	238.2
155°	239.9	239.1	238.3	237.5	237.8	237.8	237.8	237.9	237.8	237.8	237.8
157.5°	241.5	240.7	240.3	239.5	239.5	239.5	239.4	239.2	239.1	238.8	238.6
160°	243.3	242.7	242.2	241.6	241.5	241.4	241.3	241.0	240.8	240.6	240.3
162.5°	245.5	244.9	244.2	243.5	243.4	243.4	243.3	243.0	242.7	242.4	242.1
165°	248.3	247.7	247.4	246.7	246.6	246.3	246.2	245.8	245.6	245.2	244.8
167.5°	251.1	250.6	250.1	249.5	249.5	249.4	249.3	249.1	248.8	248.6	248.4
170°	253.7	253.2	252.9	252.5	252.3	252.2	251.9	251.7	251.4	251.2	250.9
172.5°	255.6	255.3	254.9	254.3	254.3	254.2	254.0	253.9	253.6	253.3	253.2
175°	255.9	255.7	255.3	255.0	254.8	254.7	254.6	254.5	254.3	254.2	254.0
177.5°	257.2	257.0	256.7	256.5	256.3	256.3	256.2	256.1	256.1	256.0	255.9
180°	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2



TEST NUMBER: P1444819
CATALOG NUMBER: EHBR1-36-UNV-TA-L940-UPL15

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	28971.7	28971.7
2.5°	29083.8	29082.3
5°	29192.0	29190.2
7.5°	29274.2	29273.7
10°	29283.9	29288.9
12.5°	29225.4	29229.5
15°	29054.9	29062.8
17.5°	28728.6	28739.0
20°	28166.6	28177.5
22.5°	27256.6	27261.1
25°	25933.4	25914.7
27.5°	24129.5	24097.2
30°	21836.4	21805.2
32.5°	19102.4	19082.8
35°	16024.8	16012.5
37.5°	12784.6	12759.4
40°	9639.0	9565.8
42.5°	6880.1	6751.5
45°	4754.7	4602.4
47.5°	3319.3	3225.2
50°	2515.9	2485.5
52.5°	2050.1	2043.0
55°	1729.8	1726.6
57.5°	1489.0	1487.9
60°	1299.9	1299.6
62.5°	1159.0	1159.5
65°	1059.7	1059.8
67.5°	972.3	971.6
70°	871.2	870.4
72.5°	801.7	800.5
75°	747.9	747.2
77.5°	671.5	670.3
80°	578.9	577.4
82.5°	476.2	474.5
85°	355.1	355.3
87.5°	217.4	217.3
90°	92.0	90.4
92.5°	20.4	19.5
95°	23.2	21.9
97.5°	28.2	27.1
100°	35.8	34.8
102.5°	59.4	56.1
105°	101.9	92.9
107.5°	172.9	156.1
110°	298.3	284.8



TEST NUMBER: P1444819
CATALOG NUMBER: EHBR1-36-UNV-TA-L940-UPL15

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	389.2	383.1
115°	407.9	405.6
117.5°	396.2	396.3
120°	371.3	372.9
122.5°	340.9	342.8
125°	313.6	315.5
127.5°	291.1	292.4
130°	277.5	278.7
132.5°	267.6	267.9
135°	261.6	262.0
137.5°	256.9	257.3
140°	252.8	253.1
142.5°	247.6	247.8
145°	244.9	245.0
147.5°	242.5	242.6
150°	240.6	240.6
152.5°	237.9	237.9
155°	237.6	237.4
157.5°	238.1	237.9
160°	239.9	239.6
162.5°	241.8	241.5
165°	244.3	243.9
167.5°	248.0	247.8
170°	250.5	250.3
172.5°	252.9	252.7
175°	253.9	253.8
177.5°	255.9	255.7
180°	257.2	257.2

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

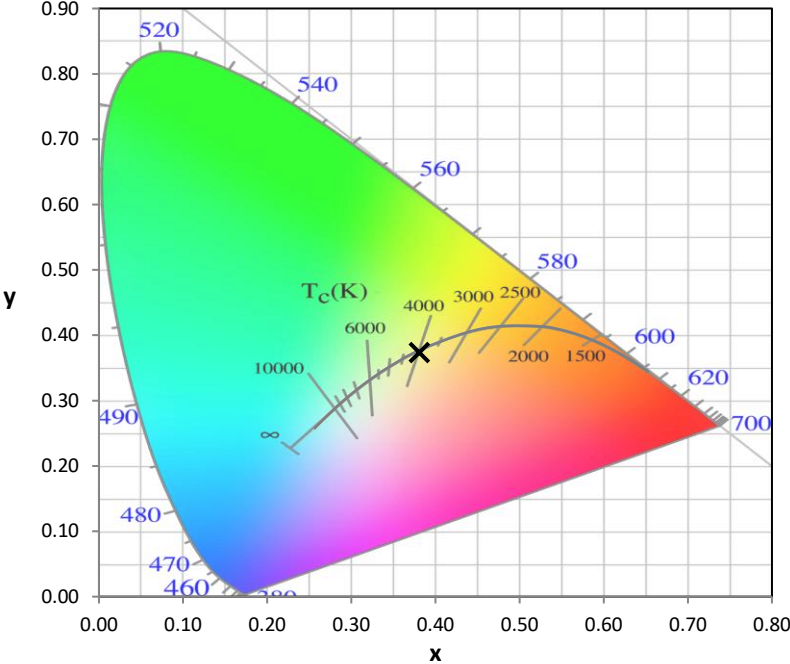
Stabilization Time: 44M
 Operation Time: 1H 44M
 Sphere Temperature (°C): 25.0

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



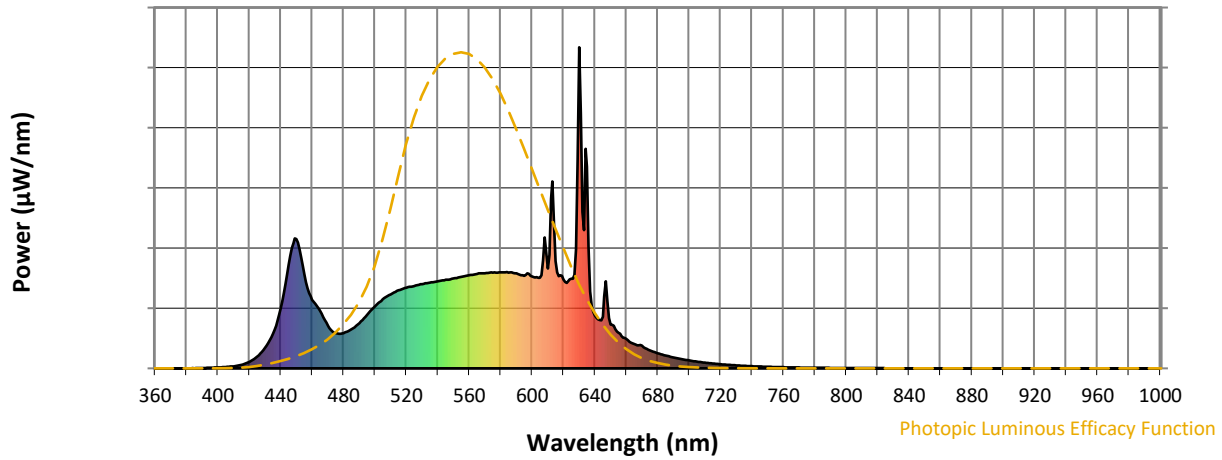
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-7

Photopic Flux vs. Wavelength

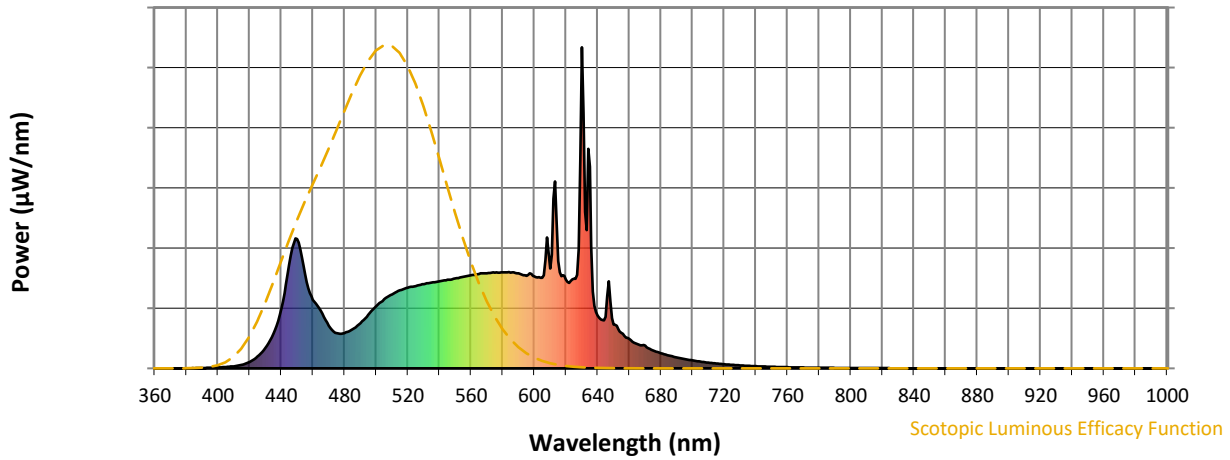


Photopic Lumens: NR

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



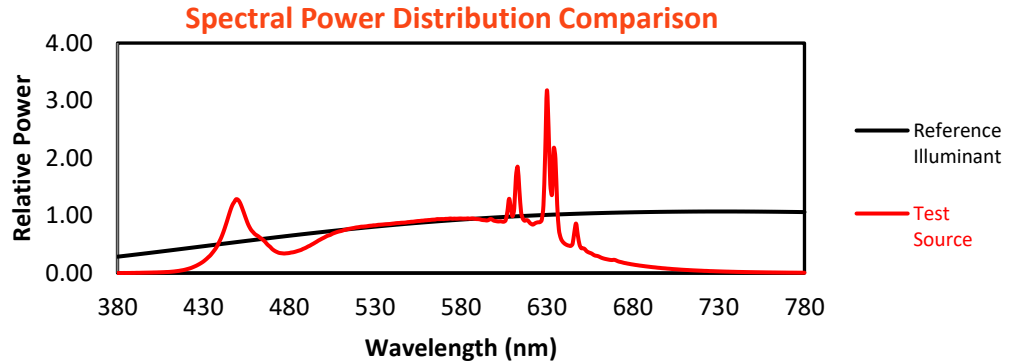
Melanopic Lumens: NR

M/P: 3.64

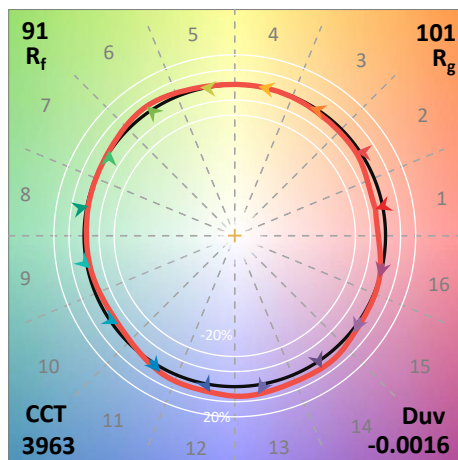
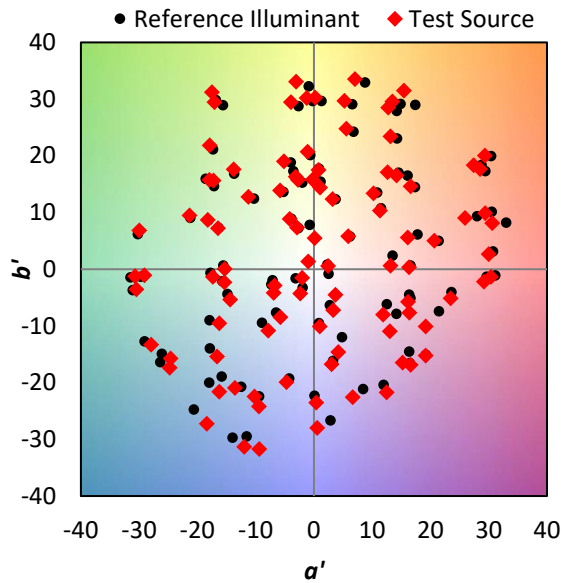
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	141	NR	620	276	NR	750	5	NR	880	0	NR
365	0	NR	495	167	NR	625	279	NR	755	4	NR	885	0	NR
370	0	NR	500	193	NR	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

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

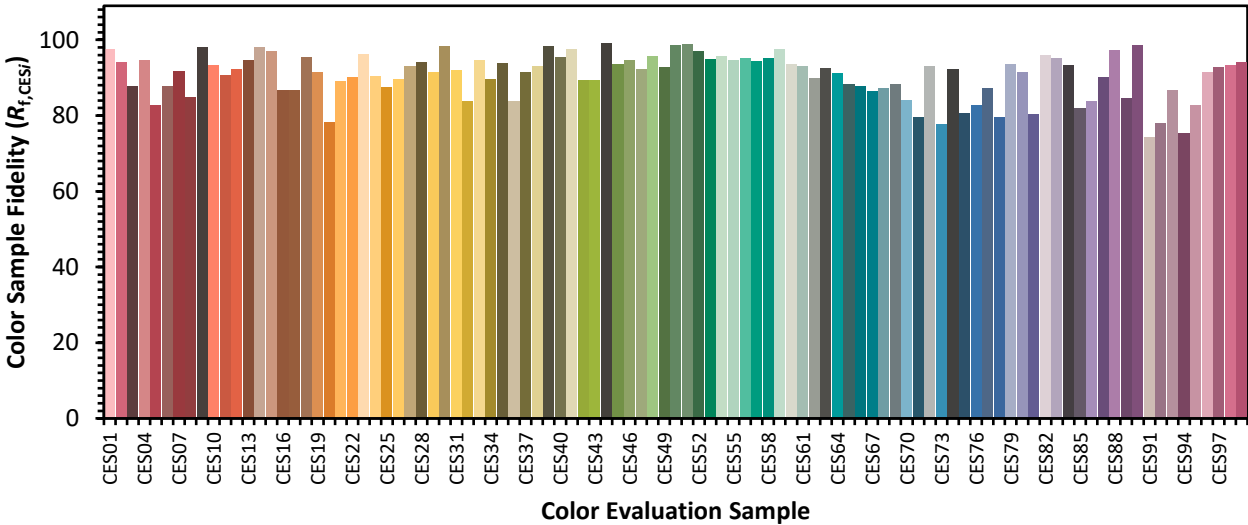


Color Vector Graphics



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)