

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: P1444675

Luminaire Tested: EHBR1-36-UNV-TA-L930-UPL15

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444675
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-L930-UPL15
Description: Elevate Round Highbay at, 36000 lumens, 3000K 90CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

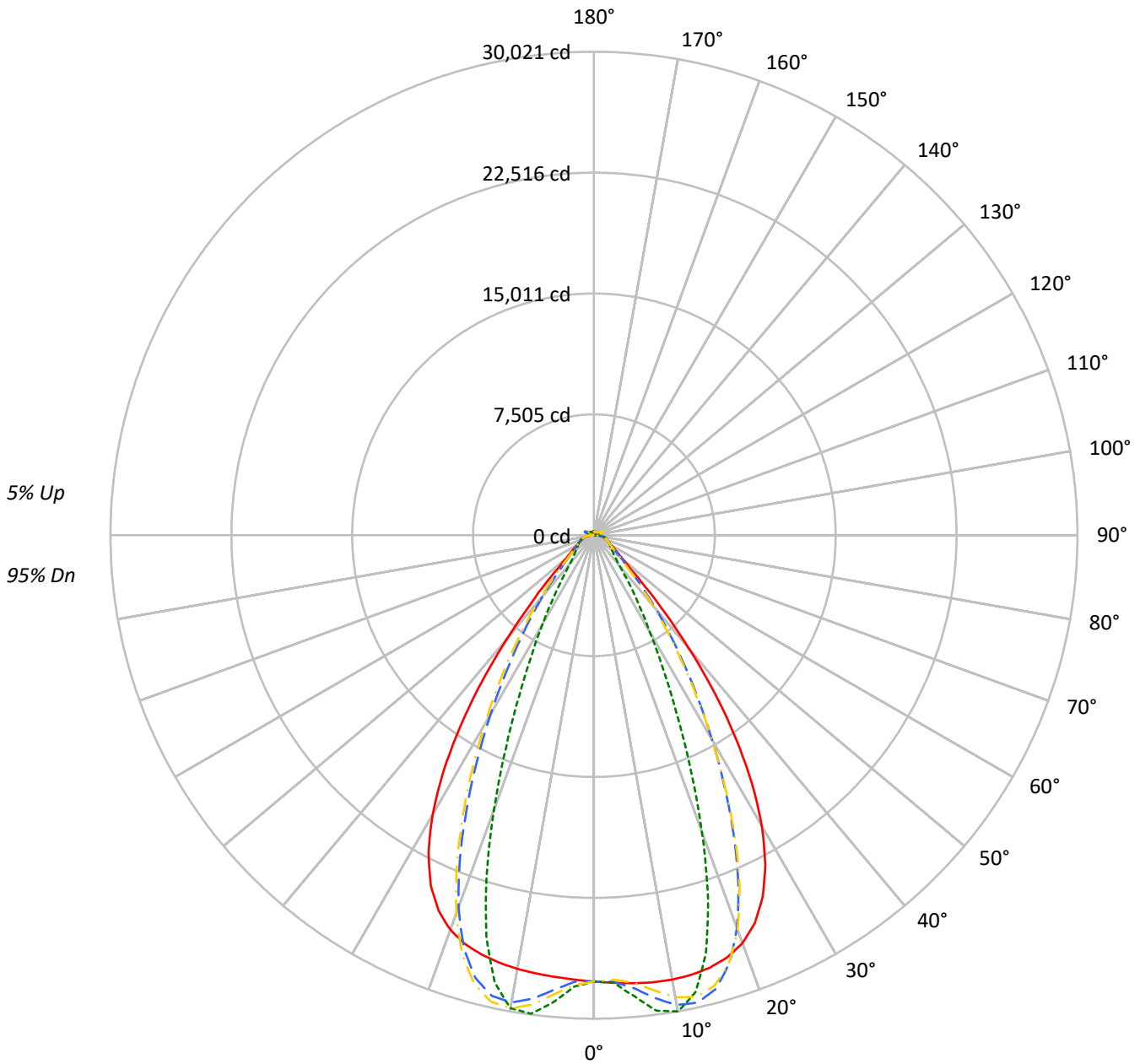
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33409.7 lumens
Efficiency: N/A
Efficacy: 166.5 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 0.77 / 0.88
Luminous Opening: Vertical Cylinder (Dia: 1.71' x H: 0.1')
CIE Type: Direct

Input Watts (W): 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°	130138	130138	130138	130138
5°	130768	134581	128938	136344
10°	131860	141300	128698	140365
15°	132507	128087	128473	122930
20°	131137	95421	126845	88287
25°	124126	60348	120024	54755
30°	108433	36265	104233	33142
35°	83451	22756	78651	20158
40°	52790	14275	48299	13414
45°	27209	11121	26758	10938
50°	15953	9892	15463	9737
55°	12221	9358	11769	9274
60°	10341	9559	9901	9436
65°	9713	9983	9341	9643
70°	9489	10453	9017	10061
75°	10146	11087	9598	10596
80°	10499	12276	9520	11206
85°	9890	11848	7990	10143

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 41640 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2731.1	8.2
10°-20°	7682.8	23.0
20°-30°	8750.1	26.2
30°-40°	6289.2	18.8
40°-50°	2900.6	8.7
50°-60°	1388.0	4.2
60°-70°	1012.8	3.0
70°-80°	769.4	2.3
80°-90°	352.3	1.1
90°-100°	46.2	0.1
100°-110°	239.3	0.7
110°-120°	441.6	1.3
120°-130°	277.1	0.8
130°-140°	187.1	0.6
140°-150°	146.0	0.4
150°-160°	106.4	0.3
160°-170°	66.4	0.2
170°-180°	23.2	0.1
0°-30°	19164.0	57.4
0°-40°	25453.2	76.2
0°-60°	29741.8	89.0
0°-90°	31876.3	95.4
90°-120°	727.2	2.2
90°-150°	1337.4	4.0
90°-180°	1533.0	4.6
0°-180°	33409.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	27712	27712	27712	27712	27712	
5°	27921	28735	27530	29112	27921	2668
15°	27799	26872	26953	25790	27799	7833
25°	24788	12052	23969	10934	24788	11237
35°	15316	4177	14435	3700	15316	9400
45°	4402	1799	4329	1770	4402	3744
55°	1652	1265	1590	1253	1652	1524
65°	1014	1042	975	1006	1014	1013
75°	715	781	676	746	715	743
85°	340	407	275	349	340	319
90°	86	111	21	27	86	55
95°	21	23	21	23	21	20
105°	89	112	61	113	89	117
115°	388	464	406	465	388	359
125°	302	306	340	308	302	275
135°	251	213	269	216	251	195
145°	234	219	248	223	234	148
155°	227	224	240	227	227	106
165°	233	230	241	232	233	66
175°	243	244	247	245	243	23
180°	246	246	246	246	246	



TEST NUMBER: P1444675
 CATALOG NUMBER: EHBR1-36-UNV-TA-L930-UPL15

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0
2.5°	27817.9	27815.6	27815.2	27813.3	27812.7	27812.7	27811.8	27809.5	27808.1	27805.0	27801.3
5°	27921.1	27919.8	27920.6	27920.8	27918.9	27914.5	27907.7	27899.4	27888.9	27879.1	27870.3
7.5°	28000.9	28002.8	28005.3	28004.8	27998.7	27988.5	27974.7	27966.9	27971.5	27986.6	28021.2
10°	28015.5	28027.4	28032.0	28030.6	28018.5	28009.8	28013.1	28042.5	28100.9	28178.9	28285.5
12.5°	27958.7	27973.3	27972.8	27968.0	27956.2	27968.1	28010.6	28098.1	28223.4	28377.1	28557.4
15°	27799.2	27818.1	27812.7	27806.5	27798.6	27837.8	27922.8	28074.5	28268.0	28484.8	28706.8
17.5°	27489.5	27512.3	27501.3	27494.1	27487.5	27560.9	27706.9	27929.1	28172.8	28418.1	28628.4
20°	26952.4	26967.7	26941.3	26928.9	26939.3	27083.1	27298.0	27581.8	27838.7	28070.6	28214.4
22.5°	26075.8	26094.8	26045.2	26039.4	26100.7	26321.4	26593.4	26910.7	27152.0	27335.9	27391.2
25°	24787.9	24806.6	24747.6	24782.8	24887.0	25187.6	25511.5	25851.0	26056.9	26193.1	26155.5
27.5°	23049.5	23066.6	23010.7	23082.6	23247.2	23642.3	24023.5	24391.6	24575.2	24670.7	24549.7
30°	20857.1	20892.6	20826.5	20926.9	21178.2	21691.0	22127.8	22540.7	22723.7	22796.2	22608.1
32.5°	18253.1	18303.6	18230.7	18380.1	18730.8	19346.7	19842.9	20304.3	20506.7	20589.6	20377.1
35°	15316.3	15388.5	15305.0	15529.2	15961.6	16647.6	17197.0	17712.1	17951.8	18069.4	17855.2
37.5°	12204.7	12273.7	12228.5	12527.5	13002.3	13713.3	14274.2	14829.8	15100.5	15276.9	15108.0
40°	9149.9	9213.0	9247.2	9589.0	10035.7	10705.9	11244.6	11794.3	12097.2	12318.5	12214.4
42.5°	6458.0	6521.6	6637.8	6967.7	7340.2	7895.0	8356.4	8850.0	9139.3	9375.4	9335.3
45°	4402.3	4476.1	4621.8	4891.9	5161.3	5559.3	5898.1	6282.0	6518.3	6734.6	6737.2
47.5°	3084.9	3136.8	3266.9	3451.4	3627.0	4125.2	4145.7	4334.3	4493.2	4654.9	4675.8
50°	2377.5	2408.7	2477.7	2580.6	2680.1	2809.4	2927.7	3064.4	3162.3	3250.9	3272.1
52.5°	1954.2	1974.0	2009.1	2064.8	2122.5	2192.8	2256.2	2331.3	2384.5	2431.9	2441.9
55°	1651.5	1668.0	1720.3	1730.9	1796.9	1809.6	1837.8	1883.5	1914.4	1942.9	1949.9
57.5°	1423.2	1435.2	1446.3	1470.0	1490.3	1519.9	1543.7	1576.5	1596.0	1616.5	1618.3
60°	1243.1	1251.8	1259.6	1276.1	1289.9	1310.5	1326.9	1349.2	1363.2	1378.6	1380.4
62.5°	1109.1	1115.3	1120.5	1131.4	1141.3	1157.1	1170.1	1188.7	1201.7	1213.6	1216.3
65°	1013.8	1018.3	1021.7	1029.9	1038.5	1052.0	1063.8	1079.0	1088.5	1097.7	1099.7
67.5°	929.4	933.6	937.2	944.7	950.7	960.6	968.6	980.0	987.2	994.5	994.7
70°	832.6	836.6	839.3	846.3	851.1	859.8	866.1	876.3	883.7	891.9	893.9
72.5°	765.7	768.0	771.6	778.0	784.6	793.9	802.4	813.1	822.1	830.5	834.0
75°	714.7	717.5	719.9	725.3	729.9	737.7	744.1	753.8	761.7	770.7	775.1
77.5°	641.2	644.4	646.4	651.9	655.9	663.4	668.1	676.8	683.1	691.4	695.4
80°	552.3	555.4	556.8	561.9	565.1	571.9	576.6	585.0	590.4	598.6	603.4
82.5°	453.9	456.7	457.5	462.4	464.1	469.8	473.2	481.7	488.3	499.0	506.4
85°	339.9	340.9	342.6	341.3	348.2	348.6	356.4	357.8	368.1	370.8	382.5
87.5°	207.8	210.8	212.4	217.1	219.1	223.9	225.4	230.4	233.1	238.9	241.6
90°	86.4	91.1	92.6	98.1	99.5	104.4	105.4	110.9	112.5	118.1	120.2
92.5°	18.6	19.7	20.7	22.0	23.1	24.8	26.2	27.4	28.6	30.2	32.4
95°	20.9	22.2	23.4	24.6	25.8	27.1	28.3	29.5	30.7	32.0	35.5
97.5°	25.9	27.0	28.1	29.1	30.2	31.3	32.3	33.4	34.5	35.5	39.7
100°	33.3	34.2	35.1	36.0	36.9	37.9	38.8	39.7	40.5	41.4	49.3
102.5°	53.6	56.9	60.1	63.2	66.4	69.5	72.8	75.8	79.0	82.3	98.8
105°	88.8	97.4	106.2	114.8	123.4	132.2	140.8	149.2	157.9	166.5	193.8
107.5°	149.4	165.3	181.3	197.4	213.4	229.4	245.4	261.4	277.2	293.1	320.8
110°	272.4	285.2	298.1	310.9	323.8	336.8	349.6	362.2	375.1	387.8	408.1



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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°	366.4	372.1	377.9	383.7	389.5	395.1	400.9	406.6	412.4	417.9	432.3
115°	388.0	390.0	392.0	393.7	395.8	397.5	399.5	401.3	403.2	404.9	414.6
117.5°	379.1	378.6	378.1	377.7	377.0	376.4	375.9	375.3	374.6	373.9	379.3
120°	356.7	354.7	352.8	350.7	348.7	346.6	344.6	342.5	340.3	338.1	340.2
122.5°	327.9	325.6	323.4	320.8	318.5	315.9	313.5	310.7	308.3	305.7	306.4
125°	301.8	299.4	297.2	294.6	292.0	289.4	286.9	284.3	281.7	278.8	278.9
127.5°	279.6	277.9	276.3	274.1	272.2	270.3	268.1	266.0	264.1	261.8	261.6
130°	266.5	264.9	263.2	261.4	259.6	257.7	255.8	253.6	251.7	249.6	249.3
132.5°	256.3	255.2	254.0	252.5	251.0	249.3	247.8	246.0	244.4	242.7	242.5
135°	250.6	249.4	248.3	246.9	245.6	243.8	242.3	240.6	239.0	237.2	237.1
137.5°	246.1	245.1	243.9	242.6	241.2	239.5	238.1	236.5	234.9	233.2	233.0
140°	242.1	241.1	240.0	238.6	237.5	236.1	234.5	233.0	231.5	229.8	229.8
142.5°	237.0	236.1	235.3	234.1	233.0	231.7	230.4	228.9	227.8	226.3	226.4
145°	234.4	233.6	232.8	231.9	230.8	229.5	228.4	227.1	226.0	224.7	224.8
147.5°	232.1	231.3	230.8	229.8	229.1	228.0	227.0	225.7	224.7	223.7	223.9
150°	230.1	229.5	228.8	228.0	227.2	226.3	225.3	224.3	223.3	222.2	222.4
152.5°	227.6	226.9	226.3	225.5	224.8	223.8	223.1	222.0	221.1	220.1	220.3
155°	227.1	226.4	225.7	225.0	224.2	223.4	222.5	221.6	220.8	219.8	219.9
157.5°	227.6	226.9	226.3	225.5	225.0	224.3	223.6	222.8	222.1	221.4	221.4
160°	229.2	228.6	228.0	227.3	226.6	225.8	225.2	224.4	223.9	223.1	223.1
162.5°	231.0	230.3	229.6	229.0	228.4	227.7	227.1	226.4	225.8	225.0	225.1
165°	233.3	232.9	232.3	231.9	231.3	230.8	230.3	229.6	229.2	228.6	228.6
167.5°	237.0	236.5	236.1	235.4	234.9	234.5	233.8	233.3	232.9	232.1	232.2
170°	239.4	238.9	238.6	238.3	237.9	237.5	237.2	236.8	236.3	236.0	236.0
172.5°	241.7	241.3	241.1	240.9	240.4	240.3	240.0	239.6	239.4	239.0	239.3
175°	242.7	242.4	242.3	242.1	241.9	241.7	241.6	241.4	241.4	241.1	241.1
177.5°	244.6	244.4	244.4	244.4	244.4	244.3	244.2	244.0	243.9	243.9	243.9
180°	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0
2.5°	27798.6	27795.3	27790.6	27784.8	27779.8	27774.0	27760.1	27756.0	27760.6	27763.6	27770.0
5°	27864.7	27866.6	27867.3	27880.0	27890.9	27918.1	28131.3	28216.1	28281.6	28323.2	28386.3
7.5°	28063.8	28127.9	28191.3	28276.6	28350.1	28449.4	28822.4	28981.2	29094.1	29175.2	29275.1
10°	28401.3	28541.2	28672.4	28826.0	28958.1	29109.4	29456.6	29611.3	29709.0	29780.0	29846.4
12.5°	28741.3	28935.3	29110.6	29281.6	29424.6	29555.7	29677.9	29732.0	29736.6	29738.8	29703.6
15°	28918.4	29103.8	29258.3	29371.4	29455.4	29492.6	29282.3	29172.1	29032.7	28917.8	28729.0
17.5°	28806.6	28917.8	28984.6	28978.0	28943.3	28827.0	28231.6	27904.1	27578.9	27285.9	26901.6
20°	28309.8	28301.3	28243.2	28078.8	27880.7	27572.7	26551.8	25962.7	25393.3	24893.1	24286.3
22.5°	27385.6	27240.2	27037.4	26682.9	26289.1	25750.7	24287.7	23421.4	22628.5	21928.2	21143.6
25°	26046.4	25747.2	25373.3	24810.5	24198.4	23413.3	21610.1	20532.5	19580.6	18755.1	17849.9
27.5°	24332.6	23881.9	23333.9	22554.9	21725.7	20719.9	18720.8	17531.5	16509.7	15624.5	14661.1
30°	22303.6	21717.5	21009.9	20043.0	19042.8	17902.0	15874.4	14669.8	13635.6	12725.0	11760.8
32.5°	20010.6	19324.2	18494.9	17409.7	16328.1	15155.2	13197.1	12031.0	11043.0	10167.1	9294.4
35°	17481.7	16745.5	15868.2	14761.4	13686.1	12545.8	10749.1	9697.7	8825.2	8051.0	7346.3
37.5°	14768.9	14046.0	13212.1	12169.0	11171.9	10138.6	8588.3	7707.3	6975.1	6332.5	5788.4
40°	11948.3	11315.7	10594.2	9692.4	8841.4	7981.0	6708.3	6009.0	5431.2	4941.1	4533.3
42.5°	9162.2	8672.0	8118.7	7406.1	6754.9	6099.7	5120.2	4602.0	4174.1	3821.3	3533.0
45°	6647.5	6319.6	5948.5	5453.1	5002.5	4545.4	3848.3	3484.3	3205.5	2978.0	2785.6
47.5°	4646.9	4456.8	4445.1	3987.3	3656.9	3377.4	2928.3	2698.4	2527.5	2389.7	2267.9
50°	3263.4	3171.4	3057.1	2893.7	2740.3	2582.3	2308.8	2169.7	2069.7	1986.2	1909.2
52.5°	2439.7	2391.9	2331.0	2244.2	2161.2	2072.3	1899.2	1810.7	1779.2	1701.5	1640.5
55°	1948.6	1921.2	1886.5	1835.7	1785.1	1764.9	1616.4	1550.8	1509.1	1478.4	1445.7
57.5°	1618.6	1598.2	1577.7	1543.1	1513.9	1478.4	1399.6	1365.9	1341.3	1323.2	1300.4
60°	1380.6	1368.4	1356.9	1336.7	1320.8	1301.8	1251.8	1232.7	1219.8	1208.9	1194.5
62.5°	1218.5	1212.3	1206.3	1195.6	1187.5	1177.2	1143.0	1133.9	1127.4	1121.9	1113.1
65°	1101.6	1097.1	1093.8	1086.6	1082.6	1076.6	1047.2	1041.0	1037.0	1035.1	1029.9
67.5°	995.3	990.6	988.5	983.3	981.7	977.8	953.8	950.4	949.1	949.7	947.8
70°	895.9	893.9	895.0	894.2	896.4	897.1	882.5	882.4	884.0	887.0	887.4
72.5°	836.3	836.3	837.4	837.9	840.1	841.1	829.0	828.4	829.1	831.4	831.5
75°	779.7	780.5	783.7	784.6	787.2	787.8	771.7	769.9	769.9	772.2	771.4
77.5°	701.1	704.5	710.4	713.4	718.4	719.3	701.3	699.2	699.3	701.5	699.6
80°	612.1	618.6	627.9	634.4	642.0	645.1	626.6	622.2	618.1	617.5	613.7
82.5°	517.5	525.4	536.6	542.5	550.6	552.4	521.5	515.7	512.2	512.5	509.1
85°	395.1	401.1	411.3	414.5	419.5	419.1	383.8	368.7	372.7	366.4	371.3
87.5°	247.8	251.3	257.7	258.5	260.8	260.4	224.8	217.8	215.7	215.9	213.3
90°	126.2	128.7	134.4	134.7	138.7	138.3	109.7	106.7	104.0	105.2	101.4
92.5°	35.0	37.1	39.5	41.7	44.2	46.4	45.4	46.8	44.8	42.3	40.5
95°	39.1	42.7	46.3	49.9	53.6	57.1	60.8	64.3	61.0	57.6	54.2
97.5°	44.0	48.2	52.4	56.7	61.0	65.1	69.4	73.7	70.1	66.2	62.6
100°	57.2	65.1	73.0	81.0	88.8	96.8	104.7	112.6	105.7	98.5	91.5
102.5°	115.6	132.5	149.3	166.0	182.8	199.7	216.6	233.5	217.4	201.2	185.2
105°	221.1	248.3	275.5	302.5	329.8	357.0	384.5	411.8	386.1	360.6	334.9
107.5°	348.4	376.1	403.5	431.0	458.8	486.3	514.4	542.0	516.9	491.7	466.7
110°	428.1	448.1	468.2	488.2	508.2	528.2	548.9	569.1	553.9	538.8	523.6



TEST NUMBER: P1444675
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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	446.5	460.8	475.1	489.2	503.4	517.7	532.9	547.3	539.5	531.7	524.1
115°	424.0	433.7	443.2	452.6	462.1	471.6	482.2	492.0	489.2	486.5	483.8
117.5°	384.4	389.5	394.8	399.9	405.0	410.1	416.9	422.1	422.1	422.3	422.5
120°	342.2	344.2	346.2	348.2	350.0	351.9	355.7	357.9	359.6	361.2	362.8
122.5°	306.9	307.4	307.9	308.3	308.8	309.2	311.7	312.6	313.5	314.5	315.6
125°	278.9	279.0	279.0	279.0	278.8	278.9	281.2	281.6	281.3	280.8	280.5
127.5°	261.2	260.9	260.5	260.1	259.6	259.3	261.3	261.5	260.0	258.8	257.4
130°	249.1	248.8	248.5	248.3	248.0	247.7	250.1	250.4	248.4	246.3	244.3
132.5°	242.2	242.0	241.7	241.7	241.3	241.1	243.7	244.1	241.9	239.6	237.4
135°	236.9	236.8	236.6	236.4	236.2	236.2	239.1	239.6	237.6	235.3	233.1
137.5°	232.8	232.7	232.5	232.5	232.3	232.2	235.5	236.2	234.5	232.4	230.7
140°	229.7	229.7	229.6	229.7	229.6	229.9	233.4	234.2	232.9	231.3	229.7
142.5°	226.3	226.6	226.8	227.2	227.3	227.7	231.8	232.9	231.8	230.4	229.4
145°	225.0	225.5	225.7	226.1	226.4	227.0	231.5	232.9	232.1	231.3	230.4
147.5°	223.9	224.2	224.5	224.8	225.2	225.9	230.8	232.1	231.7	231.0	230.4
150°	222.6	223.0	223.2	223.7	224.3	224.8	230.4	232.1	231.6	231.2	230.5
152.5°	220.5	220.7	221.0	221.4	221.8	222.4	229.3	231.2	230.8	230.2	229.7
155°	220.0	220.2	220.3	220.6	220.8	221.4	228.9	230.8	230.5	230.2	229.8
157.5°	221.4	221.3	221.3	221.4	221.6	221.7	229.7	231.9	231.5	231.2	230.9
160°	223.0	223.0	222.8	222.9	222.8	223.0	231.2	233.3	233.0	232.7	232.3
162.5°	225.1	225.3	225.2	225.4	225.4	225.5	233.9	236.2	235.7	235.3	234.9
165°	228.4	228.4	228.3	228.3	228.3	228.4	236.2	238.1	237.9	237.6	237.2
167.5°	232.1	232.1	232.1	232.1	232.1	232.3	239.5	241.5	241.2	240.9	240.6
170°	235.9	236.0	236.0	236.0	236.2	236.4	242.5	244.0	243.8	243.4	243.0
172.5°	239.3	239.5	239.6	239.7	239.9	240.2	245.2	246.7	246.5	246.2	245.8
175°	241.3	241.3	241.5	241.8	241.9	241.9	246.0	247.1	247.0	246.8	246.6
177.5°	244.1	244.2	244.4	244.4	244.6	244.8	247.3	247.9	247.8	247.8	247.7
180°	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0



TEST NUMBER: P1444675
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CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0
2.5°	27771.5	27781.2	27782.7	27794.0	27793.1	27806.7	27804.5	27815.6	27809.2	27818.2	27810.6
5°	28423.7	28482.9	28513.8	28571.5	28589.8	28641.5	28656.0	28703.1	28705.1	28742.5	28734.0
7.5°	29345.9	29433.1	29484.9	29556.2	29592.4	29651.9	29678.1	29722.0	29736.2	29771.1	29773.8
10°	29896.6	29938.9	29968.5	29988.4	30006.6	30015.1	30025.1	30022.4	30025.1	30021.1	30029.7
12.5°	29680.0	29618.2	29577.3	29499.8	29455.0	29369.5	29327.4	29245.1	29215.3	29144.6	29134.5
15°	28583.0	28367.5	28215.3	27993.9	27854.8	27636.9	27509.5	27313.0	27223.2	27067.0	27026.0
17.5°	26583.6	26183.6	25874.1	25477.0	25201.5	24830.4	24597.0	24289.9	24121.6	23874.0	23788.2
20°	23780.5	23188.7	22724.4	22171.3	21775.5	21282.3	20966.6	20568.4	20337.2	20033.0	19909.7
22.5°	20489.5	19752.7	19172.9	18519.5	18041.9	17492.4	17114.1	16683.2	16431.7	16101.2	15954.9
25°	17097.6	16285.0	15640.4	14952.0	14447.3	13896.4	13518.1	13094.8	12834.6	12520.9	12375.4
27.5°	13853.4	13031.0	12408.0	11767.9	11305.0	10807.9	10466.5	10097.1	9866.1	9598.2	9461.4
30°	10990.5	10265.1	9735.0	9203.8	8818.8	8415.0	8131.4	7825.1	7622.4	7393.2	7262.8
32.5°	8658.1	8098.1	7683.0	7261.4	6946.3	6609.0	6363.8	6093.6	5910.7	5706.0	5587.9
35°	6857.1	6422.0	6090.8	5743.9	5473.2	5185.8	4969.9	4736.6	4572.5	4396.2	4294.2
37.5°	5417.9	5071.8	4799.3	4511.1	4288.8	4050.8	3970.6	3702.9	3532.8	3392.1	3294.6
40°	4252.0	3976.8	3751.3	3531.0	3349.6	3169.1	3024.1	2881.1	2771.4	2670.7	2601.1
42.5°	3320.4	3121.0	2956.4	2795.0	2662.7	2531.1	2426.2	2327.7	2253.7	2187.9	2143.0
45°	2639.6	2502.5	2388.1	2274.4	2181.1	2093.2	2022.5	1959.7	1911.9	1872.4	1844.4
47.5°	2168.5	2074.7	1993.9	1917.2	1853.8	1796.3	1748.9	1733.5	1682.2	1647.5	1634.4
50°	1842.9	1786.2	1724.9	1668.3	1626.0	1583.9	1553.2	1523.1	1503.9	1487.9	1483.1
52.5°	1600.0	1556.6	1522.5	1486.6	1458.7	1428.7	1407.6	1387.5	1377.0	1368.6	1367.6
55°	1419.2	1388.9	1366.4	1342.3	1325.6	1308.0	1297.1	1286.4	1281.8	1277.6	1278.0
57.5°	1282.5	1262.3	1247.7	1232.0	1223.0	1214.5	1211.8	1209.1	1210.6	1211.1	1213.6
60°	1183.0	1169.8	1160.5	1151.6	1147.8	1145.1	1147.2	1149.6	1154.4	1158.3	1161.8
62.5°	1106.6	1099.1	1094.6	1089.8	1089.4	1089.6	1093.7	1097.7	1103.8	1108.3	1111.7
65°	1028.1	1023.7	1022.3	1019.2	1020.8	1021.7	1026.6	1029.7	1035.8	1039.3	1043.7
67.5°	948.7	947.6	948.6	948.6	951.4	953.7	958.4	961.9	967.1	970.4	973.8
70°	890.1	890.4	892.6	893.0	896.0	897.6	901.7	904.0	908.6	911.4	915.6
72.5°	833.0	832.1	832.6	831.3	832.3	831.9	834.2	835.3	839.2	841.3	846.5
75°	772.4	769.8	769.1	766.4	766.5	764.5	765.5	765.3	767.9	769.0	772.6
77.5°	699.0	694.7	692.6	688.0	687.9	686.2	688.0	689.1	693.7	695.8	700.0
80°	611.3	604.5	601.4	596.1	597.0	596.7	601.3	604.6	610.2	611.2	616.5
82.5°	508.0	501.2	497.9	492.7	493.9	494.0	498.1	498.9	503.7	505.7	511.9
85°	363.8	366.4	359.1	359.7	358.1	361.0	363.8	367.2	371.2	377.9	383.1
87.5°	214.2	213.3	215.9	216.2	219.9	221.8	227.8	231.2	237.8	243.1	252.5
90°	101.3	97.8	99.5	98.1	101.5	100.3	103.3	101.5	105.2	105.4	110.4
92.5°	37.7	35.8	33.2	31.1	28.6	26.7	25.2	24.5	23.1	22.5	21.0
95°	50.8	47.5	44.1	40.7	37.4	34.0	32.8	31.5	30.4	29.1	27.9
97.5°	59.0	55.4	51.8	48.1	44.5	40.9	40.1	39.3	38.4	37.6	36.8
100°	84.5	77.4	70.5	63.4	56.5	49.5	48.9	48.2	47.6	47.0	46.3
102.5°	169.2	153.1	137.1	121.1	105.2	89.1	86.4	83.6	80.7	78.0	75.2
105°	309.1	283.5	257.9	232.2	206.7	181.1	173.5	165.6	158.0	150.3	142.8
107.5°	441.6	416.5	391.6	366.5	341.6	316.6	304.5	292.5	280.2	268.1	256.1
110°	508.3	493.2	478.3	462.9	448.0	433.0	421.3	409.9	398.2	386.7	375.2



TEST NUMBER: P1444675
 CATALOG NUMBER: EHBR1-36-UNV-TA-L930-UPL15

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	516.2	508.7	500.8	493.2	485.8	478.0	472.4	466.7	461.1	455.4	449.6
115°	481.1	478.5	475.9	473.4	470.9	468.2	467.7	467.2	466.6	466.2	465.8
117.5°	422.5	422.7	422.7	422.8	423.2	423.4	426.2	428.9	431.8	434.9	437.8
120°	364.4	366.1	367.7	369.5	371.2	372.9	376.6	380.5	384.2	388.3	392.3
122.5°	316.4	317.4	318.2	319.4	320.4	321.4	325.1	328.8	332.5	336.4	340.2
125°	280.0	279.5	279.1	278.7	278.2	278.0	280.8	283.7	286.7	290.0	292.9
127.5°	255.9	254.4	253.1	251.7	250.2	249.0	250.4	252.0	253.4	255.1	256.8
130°	242.1	240.2	237.8	235.9	233.6	231.6	231.9	232.1	232.5	232.9	233.5
132.5°	234.9	232.7	230.2	227.8	225.4	223.1	222.4	221.9	221.4	221.1	220.7
135°	230.8	228.7	226.3	223.9	221.6	219.5	218.4	217.4	216.5	215.7	214.9
137.5°	228.8	227.0	225.0	223.2	221.1	219.3	217.9	216.9	215.7	214.9	213.9
140°	228.0	226.5	224.8	223.2	221.5	220.1	218.9	218.0	217.0	216.2	215.3
142.5°	227.9	226.7	225.4	224.2	222.9	221.7	220.6	219.7	218.7	217.9	217.1
145°	229.4	228.6	227.6	226.6	225.7	224.8	223.8	223.1	222.3	221.5	221.0
147.5°	229.6	229.0	228.3	227.6	226.8	226.1	225.4	225.0	224.1	223.8	223.1
150°	229.8	229.3	228.6	228.1	227.3	226.7	226.2	225.7	225.2	225.0	224.4
152.5°	229.1	228.7	228.0	227.6	226.9	226.3	225.8	225.5	225.1	224.7	224.1
155°	229.3	228.8	228.4	228.0	227.3	227.1	226.5	226.0	225.6	225.2	224.7
157.5°	230.4	230.1	229.6	229.2	228.6	228.2	227.8	227.4	226.9	226.5	226.1
160°	232.0	231.6	231.2	230.7	230.3	229.9	229.3	228.9	228.3	227.9	227.4
162.5°	234.4	234.0	233.6	233.1	232.5	232.1	231.6	231.2	230.7	230.4	229.8
165°	236.8	236.4	236.0	235.6	235.3	234.9	234.3	233.8	233.3	232.9	232.2
167.5°	240.3	239.9	239.5	239.2	238.6	238.3	237.8	237.4	236.9	236.4	235.9
170°	242.7	242.3	242.0	241.5	241.1	240.6	240.3	239.7	239.3	238.9	238.5
172.5°	245.5	245.4	245.1	244.7	244.3	243.9	243.6	243.3	242.8	242.5	242.2
175°	246.5	246.4	246.3	246.0	245.9	245.7	245.5	245.4	245.2	245.1	244.8
177.5°	247.7	247.6	247.6	247.5	247.3	247.3	247.1	247.0	246.8	246.7	246.6
180°	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0



TEST NUMBER: P1444675
 CATALOG NUMBER: EHBR1-36-UNV-TA-L930-UPL15

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0
2.5°	27818.6	27811.5	27814.9	27801.9	27805.0	27789.2	27787.8	27770.0	27768.3	27751.5	27745.3
5°	28760.4	28744.9	28762.4	28735.2	28740.6	28705.1	28702.2	28656.4	28640.5	28583.2	28558.5
7.5°	29795.7	29789.8	29800.5	29777.7	29777.0	29745.3	29732.2	29691.2	29665.8	29605.5	29567.1
10°	30022.4	30027.7	30019.0	30021.1	30008.8	30005.5	29992.8	29984.8	29964.2	29948.6	29925.5
12.5°	29080.7	29086.3	29050.4	29073.2	29055.2	29097.3	29093.8	29143.4	29150.9	29213.6	29237.4
15°	26904.3	26897.5	26828.6	26872.0	26848.8	26941.0	26961.6	27085.7	27152.0	27311.4	27409.2
17.5°	23616.5	23598.8	23501.7	23554.6	23527.8	23663.7	23709.3	23907.8	24031.5	24288.2	24471.0
20°	19697.4	19663.3	19549.8	19611.7	19584.0	19738.5	19803.6	20043.4	20203.0	20543.0	20784.8
22.5°	15729.5	15675.8	15564.5	15622.4	15596.2	15756.2	15841.0	16081.6	16264.4	16613.4	16895.7
25°	12166.4	12118.5	12011.0	12051.5	12041.7	12177.1	12252.5	12480.0	12659.7	12992.2	13261.7
27.5°	9279.6	9229.8	9132.7	9161.3	9151.5	9266.8	9337.8	9528.0	9682.5	9962.4	10199.0
30°	7102.2	7042.1	6959.7	6975.6	6968.8	7062.2	7128.6	7288.7	7421.1	7657.7	7861.5
32.5°	5443.8	5383.5	5307.7	5315.1	5305.1	5378.5	5433.1	5572.4	5687.9	5888.9	6066.4
35°	4165.3	4235.9	4074.2	4176.6	4069.9	4226.5	4170.2	4257.2	4356.5	4525.9	4673.9
37.5°	3202.1	3152.9	3111.3	3106.9	3106.7	3143.0	3185.7	3269.6	3357.1	3483.3	3613.7
40°	2537.5	2503.0	2476.1	2474.2	2476.1	2501.9	2533.5	2591.4	2655.5	2746.2	2842.0
42.5°	2104.6	2081.7	2065.5	2064.3	2069.5	2087.8	2109.8	2144.2	2185.9	2244.6	2310.4
45°	1821.6	1808.8	1799.7	1799.3	1801.6	1811.2	1823.8	1845.3	1871.7	1908.4	1949.9
47.5°	1622.9	1619.8	1614.2	1614.4	1611.8	1615.7	1617.2	1629.2	1643.3	1670.9	1725.2
50°	1478.3	1478.3	1474.4	1474.2	1470.6	1470.3	1467.3	1472.0	1478.5	1495.7	1513.1
52.5°	1364.0	1363.6	1359.4	1358.5	1354.6	1354.4	1351.8	1353.6	1354.5	1363.2	1373.6
55°	1274.7	1272.0	1266.4	1264.7	1263.2	1265.4	1264.3	1264.5	1263.4	1266.9	1270.1
57.5°	1210.6	1207.0	1201.9	1200.3	1199.9	1202.6	1202.7	1201.7	1196.9	1193.6	1189.0
60°	1159.8	1156.3	1150.7	1149.2	1150.1	1153.8	1153.6	1150.5	1143.3	1137.0	1129.8
62.5°	1110.0	1108.6	1105.7	1105.3	1104.6	1105.2	1102.6	1099.3	1092.3	1085.6	1077.7
65°	1043.2	1043.9	1041.7	1042.0	1039.4	1039.1	1035.1	1031.9	1024.8	1018.8	1010.6
67.5°	973.7	974.3	972.5	972.5	971.2	971.3	969.0	966.0	959.9	955.0	948.8
70°	916.5	918.0	917.0	917.2	915.6	915.0	911.3	908.4	902.2	898.0	892.4
72.5°	848.0	851.1	851.0	851.8	849.3	848.0	843.6	840.0	834.4	831.1	826.5
75°	774.0	778.1	779.2	781.0	777.4	775.6	770.8	767.9	763.3	761.3	758.4
77.5°	701.9	706.3	710.5	714.4	708.7	703.7	697.7	693.0	686.4	683.9	679.3
80°	620.9	628.6	638.0	645.8	635.6	625.4	615.4	608.0	599.3	595.7	589.9
82.5°	515.1	523.1	528.4	533.4	526.4	518.8	509.2	502.7	493.2	489.8	483.1
85°	391.3	401.3	404.5	407.2	402.6	398.6	389.5	377.3	371.3	362.1	357.2
87.5°	257.4	263.3	264.5	265.4	262.6	260.7	254.8	249.1	238.9	231.5	222.4
90°	109.6	112.9	110.1	111.0	108.0	109.0	103.6	102.3	94.6	92.1	85.2
92.5°	20.2	18.8	17.8	16.7	18.3	18.9	20.4	21.0	22.4	23.1	24.5
95°	26.6	25.5	24.2	23.0	24.0	25.0	25.9	26.9	27.9	28.9	29.9
97.5°	36.0	35.1	34.3	33.5	34.0	34.7	35.2	35.8	36.4	37.0	37.6
100°	45.6	45.0	44.3	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
102.5°	72.4	69.6	66.8	64.1	65.9	67.8	69.7	71.6	73.5	75.4	77.4
105°	135.1	127.5	119.9	112.3	119.7	127.0	134.4	141.8	149.1	156.8	164.1
107.5°	244.0	232.0	219.9	207.9	221.4	234.8	248.3	261.6	275.1	288.5	302.2
110°	363.8	352.3	340.9	329.4	343.6	357.9	372.1	386.4	400.7	414.9	429.4



TEST NUMBER: P1444675
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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°	444.0	438.4	432.8	427.3	436.5	445.7	454.8	464.3	473.4	482.6	491.8
115°	465.4	465.0	464.7	464.4	468.7	473.1	477.4	481.8	486.3	490.7	495.1
117.5°	440.7	443.7	446.8	449.9	451.4	452.7	454.2	455.6	457.2	458.7	460.3
120°	396.4	400.1	404.3	408.5	408.0	407.3	406.9	406.4	406.1	405.6	405.5
122.5°	344.2	348.3	352.4	356.5	355.3	354.0	353.0	351.8	350.8	349.9	349.0
125°	296.4	299.5	303.0	306.4	305.1	303.9	302.8	301.8	300.8	299.8	299.2
127.5°	258.9	260.7	262.7	264.8	264.3	263.7	263.4	262.9	262.7	262.5	262.4
130°	234.1	234.8	235.8	236.6	236.8	237.0	237.3	237.8	238.3	238.8	239.5
132.5°	220.7	220.6	220.6	220.7	221.4	222.1	223.0	223.9	225.0	226.1	227.5
135°	214.5	214.0	213.6	213.2	214.2	215.1	216.4	217.5	219.0	220.5	222.1
137.5°	213.2	212.4	212.0	211.4	212.4	213.3	214.5	215.7	217.2	218.7	220.4
140°	214.6	214.0	213.6	213.1	214.1	214.9	216.1	217.3	218.7	220.1	221.7
142.5°	216.5	215.7	215.3	214.9	215.7	216.5	217.7	218.7	220.1	221.3	222.8
145°	220.4	219.8	219.5	219.0	219.6	220.3	221.0	221.9	222.9	223.8	224.9
147.5°	222.7	222.3	222.1	221.8	222.3	222.7	223.3	223.8	224.6	225.3	226.2
150°	224.3	223.9	223.6	223.5	223.8	223.9	224.4	224.7	225.1	225.5	226.3
152.5°	224.0	223.6	223.6	223.4	223.5	223.7	224.0	224.3	224.7	225.0	225.7
155°	224.5	224.1	223.9	223.6	223.5	223.5	223.7	223.7	223.9	223.9	224.2
157.5°	225.8	225.5	225.2	224.8	224.7	224.5	224.5	224.4	224.4	224.1	224.2
160°	227.1	226.4	226.1	225.7	225.6	225.5	225.4	225.2	225.3	225.2	225.2
162.5°	229.5	229.1	228.8	228.4	228.1	227.8	227.6	227.2	227.0	226.7	226.6
165°	231.8	231.3	230.9	230.3	230.2	229.9	229.7	229.5	229.4	229.1	229.1
167.5°	235.5	235.0	234.5	234.1	233.7	233.3	233.1	232.7	232.5	232.1	232.1
170°	238.1	237.7	237.3	237.0	236.8	236.4	236.3	236.1	235.9	235.8	235.8
172.5°	241.9	241.6	241.2	241.0	240.8	240.5	240.4	240.3	240.2	240.2	240.1
175°	244.6	244.4	244.4	244.2	244.0	243.9	243.6	243.5	243.5	243.3	243.2
177.5°	246.3	246.0	246.0	245.9	245.8	245.8	245.8	245.8	245.8	245.7	245.6
180°	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0



TEST NUMBER: P1444675
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CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0
2.5°	27727.3	27720.0	27700.8	27691.3	27673.6	27664.6	27650.8	27641.8	27630.7	27622.3	27618.0
5°	28495.5	28460.0	28389.0	28345.3	28268.5	28218.0	28141.8	28085.9	28007.3	27949.2	27874.8
7.5°	29495.0	29440.6	29349.6	29280.6	29173.2	29091.2	28970.8	28874.4	28741.3	28630.8	28494.8
10°	29901.9	29870.2	29829.4	29785.0	29725.5	29667.2	29584.9	29501.1	29389.3	29278.2	29133.0
12.5°	29300.5	29330.4	29389.3	29416.9	29462.0	29477.3	29497.9	29488.2	29470.0	29424.6	29358.8
15°	27597.2	27721.9	27919.1	28055.6	28246.7	28380.9	28558.5	28672.8	28804.5	28883.2	28957.9
17.5°	24795.2	25036.6	25384.5	25662.1	26034.8	26337.8	26709.0	27000.8	27337.6	27595.9	27871.0
20°	21206.4	21544.3	22024.7	22432.6	22972.6	23430.5	24017.2	24508.6	25081.9	25559.8	26075.6
22.5°	17343.7	17741.2	18291.7	18783.7	19428.6	20004.6	20739.7	21389.4	22164.4	22858.7	23626.8
25°	13699.8	14089.4	14650.1	15159.6	15855.8	16490.3	17293.3	18038.7	18938.1	19776.8	20739.7
27.5°	10574.9	10921.0	11413.9	11872.5	12510.1	13133.0	13947.9	14742.8	15702.5	16603.8	17641.4
30°	8166.8	8447.6	8842.5	9211.4	9723.3	10232.7	10958.6	11693.8	12648.7	13582.7	14646.5
32.5°	6329.0	6568.4	6898.1	7197.6	7592.0	7976.1	8510.6	9098.2	9935.8	10830.5	11859.0
35°	4899.4	5104.2	5384.8	5642.8	5967.1	6272.0	6670.9	7090.3	7729.5	8482.0	9402.6
37.5°	3906.0	3989.5	4189.8	4401.2	4670.5	4921.1	5233.2	5543.2	6000.6	6594.3	7346.3
40°	2970.5	3103.1	3266.1	3432.6	3636.6	3837.5	4179.9	4344.7	4645.8	5072.0	5655.7
42.5°	2396.8	2490.0	2604.8	2720.6	2862.7	3002.7	3175.8	3352.1	3577.3	3865.9	4281.1
45°	2005.7	2066.5	2140.4	2217.6	2310.9	2406.4	2522.4	2643.5	2796.0	2973.5	3225.7
47.5°	1744.4	1778.0	1826.3	1879.0	1943.0	2009.1	2084.5	2161.6	2256.4	2361.7	2505.3
50°	1540.4	1568.5	1606.0	1641.2	1685.4	1753.1	1783.1	1825.7	1882.7	1944.6	2024.9
52.5°	1392.9	1411.6	1435.1	1455.3	1483.2	1508.6	1541.9	1571.3	1610.7	1647.9	1699.8
55°	1278.0	1284.8	1298.0	1311.1	1330.5	1347.8	1370.6	1389.8	1415.0	1437.2	1469.9
57.5°	1189.2	1189.8	1196.0	1202.8	1215.2	1226.1	1241.8	1254.5	1271.9	1286.1	1305.7
60°	1125.4	1122.0	1123.3	1125.6	1132.6	1139.7	1149.7	1157.9	1169.0	1177.0	1188.0
62.5°	1072.3	1067.0	1065.8	1065.2	1068.7	1071.2	1076.7	1080.7	1086.9	1090.4	1096.3
65°	1005.3	999.0	996.6	993.6	994.7	993.9	995.9	996.0	999.2	999.9	1003.3
67.5°	944.4	939.3	936.1	932.1	930.4	927.6	926.4	923.8	923.3	921.1	920.5
70°	889.0	883.8	881.2	877.6	875.7	872.1	869.8	865.3	862.6	858.4	856.0
72.5°	824.8	821.9	821.1	818.7	818.1	816.0	815.0	811.9	810.0	806.4	804.3
75°	757.7	755.4	755.2	752.7	752.5	750.1	749.4	746.1	744.3	740.7	739.2
77.5°	677.9	674.3	673.3	670.5	671.2	670.0	670.9	668.4	667.3	663.6	662.6
80°	587.9	583.3	581.5	577.7	578.7	577.0	578.7	578.5	579.9	577.0	576.5
82.5°	481.3	476.3	475.4	472.7	474.5	474.7	478.5	476.4	477.3	474.6	475.7
85°	350.2	346.6	341.4	340.7	337.4	340.8	336.3	339.3	334.5	337.9	333.4
87.5°	217.1	209.5	205.5	200.1	198.0	192.8	190.6	186.8	187.9	186.2	187.2
90°	84.1	78.1	77.4	72.6	72.8	68.9	70.0	67.5	69.2	66.5	68.5
92.5°	25.2	26.3	28.2	30.5	32.2	34.1	36.0	38.3	40.0	42.2	43.9
95°	30.8	31.8	34.4	37.1	39.7	42.2	45.0	47.6	50.2	52.8	55.4
97.5°	38.2	38.8	41.3	44.0	46.6	49.3	51.9	54.8	57.4	60.1	62.6
100°	43.7	43.8	51.2	58.6	66.1	73.6	81.1	88.5	96.2	103.6	111.1
102.5°	79.2	81.1	99.9	118.8	137.7	156.5	175.4	194.3	213.2	232.2	251.1
105°	171.5	178.9	207.6	236.5	265.2	294.1	322.9	351.9	380.7	409.6	438.4
107.5°	315.6	329.1	355.1	381.1	407.2	433.3	459.5	485.5	511.6	537.7	564.0
110°	443.7	458.0	475.5	493.0	510.6	528.1	545.6	563.1	580.8	598.3	616.1



TEST NUMBER: P1444675
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CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	501.1	510.4	520.6	531.0	541.3	551.6	562.0	572.3	582.8	593.2	603.7
115°	499.7	504.3	508.2	512.5	516.5	520.7	525.0	529.3	533.6	537.9	542.3
117.5°	461.7	463.6	464.3	465.2	466.0	467.0	468.0	469.1	470.3	471.2	472.2
120°	405.1	404.8	404.5	404.2	403.7	403.5	403.3	403.2	403.0	402.9	402.7
122.5°	348.1	347.3	346.9	346.7	346.5	346.4	346.3	346.4	346.2	346.3	346.2
125°	298.3	297.6	298.6	299.6	300.7	301.9	302.9	304.2	305.4	306.6	307.9
127.5°	262.3	262.4	264.4	266.5	268.4	270.6	272.8	275.1	277.1	279.5	281.5
130°	240.3	241.2	243.5	246.2	248.6	251.4	254.0	256.8	259.2	262.0	264.5
132.5°	228.8	230.3	232.5	235.2	237.6	240.3	242.7	245.4	247.9	250.7	253.0
135°	223.8	225.6	227.9	230.2	232.6	235.1	237.4	239.9	242.2	244.6	246.9
137.5°	221.9	223.8	225.7	227.7	229.6	231.8	233.7	235.8	237.7	239.8	241.7
140°	223.3	225.1	226.3	227.9	229.2	230.6	231.9	233.3	234.5	236.1	237.3
142.5°	224.2	225.9	226.7	227.8	228.7	230.0	231.0	232.1	232.9	233.8	234.7
145°	226.1	227.4	227.8	228.3	228.8	229.4	229.7	230.3	230.5	231.0	231.3
147.5°	227.1	228.1	228.1	228.5	228.8	228.9	229.2	229.5	229.6	229.8	230.0
150°	226.8	227.6	227.4	227.7	227.5	227.6	227.5	227.6	227.4	227.6	227.4
152.5°	226.1	226.6	226.3	226.4	226.2	226.0	225.8	225.8	225.5	225.5	225.5
155°	224.3	224.6	224.4	224.3	224.1	224.0	223.9	224.1	224.0	223.9	223.9
157.5°	224.2	224.2	224.1	224.0	223.9	223.9	223.9	223.9	223.9	224.1	224.2
160°	225.1	225.2	224.9	224.8	224.7	224.7	224.7	224.8	224.8	225.2	225.3
162.5°	226.3	226.3	226.0	225.9	225.8	225.9	226.0	226.2	226.2	226.4	226.6
165°	229.1	229.2	228.8	228.8	228.7	228.6	228.6	228.7	228.8	228.9	229.0
167.5°	231.9	231.8	231.8	231.9	231.9	232.1	232.1	232.5	232.7	233.0	233.1
170°	235.7	235.8	235.6	235.6	235.5	235.5	235.6	235.6	235.7	235.8	235.9
172.5°	240.1	240.1	239.9	239.7	239.5	239.4	239.4	239.4	239.2	239.1	238.9
175°	243.0	242.9	242.8	242.7	242.7	242.5	242.5	242.2	242.1	242.0	241.9
177.5°	245.5	245.3	245.2	245.2	245.1	245.0	245.0	244.9	244.9	244.9	244.7
180°	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0



TEST NUMBER: P1444675
 CATALOG NUMBER: EHBR1-36-UNV-TA-L930-UPL15

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0
2.5°	27612.5	27612.1	27609.5	27610.7	27611.2	27613.2	27615.5	27618.0	27618.5	27620.5	27620.9
5°	27819.1	27750.8	27700.3	27644.7	27602.9	27565.3	27540.3	27520.3	27512.7	27514.5	27519.2
7.5°	28379.5	28238.4	28122.1	27989.8	27879.5	27762.7	27665.9	27573.8	27506.8	27456.8	27428.8
10°	28994.4	28822.7	28658.3	28466.8	28285.3	28091.5	27915.9	27739.2	27591.8	27463.8	27369.9
12.5°	29267.2	29145.9	29003.8	28823.1	28628.8	28405.2	28179.4	27937.3	27712.2	27503.2	27334.6
15°	28978.3	28978.5	28926.7	28840.1	28705.1	28526.4	28311.2	28058.9	27793.3	27522.3	27274.7
17.5°	28061.2	28234.2	28330.5	28391.3	28372.7	28306.9	28170.0	27976.2	27728.5	27439.8	27137.7
20°	26486.2	26894.4	27185.4	27447.0	27593.7	27691.2	27681.4	27602.5	27426.1	27180.7	26866.0
22.5°	24279.9	24965.0	25505.5	26009.6	26363.1	26650.7	26787.4	26845.4	26765.5	26594.4	26298.9
25°	21600.1	22531.6	23326.5	24097.8	24676.4	25173.8	25472.6	25683.2	25699.9	25610.5	25346.9
27.5°	18622.5	19721.9	20727.9	21753.1	22566.9	23281.7	23750.8	24094.2	24203.3	24188.8	23949.5
30°	15648.6	16802.8	17911.6	19107.2	20114.1	21027.4	21647.0	22111.3	22290.2	22324.6	22094.3
32.5°	12840.1	13978.2	15084.0	16333.9	17441.9	18488.6	19220.7	19772.2	19980.3	20029.3	19776.8
35°	10291.1	11341.2	12392.1	13603.3	14705.0	15789.0	16560.4	17137.8	17332.1	17364.9	17072.4
37.5°	8080.8	8975.4	9891.1	10977.9	11989.7	13007.7	13740.6	14283.3	14424.8	14416.0	14085.2
40°	6219.6	6915.2	7651.0	8545.7	9386.8	10247.4	10866.3	11314.9	11389.3	11334.2	10986.6
42.5°	4676.8	5179.1	5712.6	6380.5	7004.6	7648.6	8098.9	8432.0	8442.6	8355.5	8043.4
45°	3484.3	3974.3	4198.1	4601.8	5003.8	5432.1	5707.0	5912.8	5880.9	5804.3	5567.1
47.5°	2656.1	2844.5	3044.2	3294.6	3528.8	4014.8	3978.8	4309.2	4071.2	4233.4	3876.3
50°	2109.2	2214.5	2322.1	2455.0	2577.4	2704.4	2783.8	2843.1	2835.3	2809.9	2741.5
52.5°	1794.5	1827.0	1880.0	1955.6	2023.9	2092.6	2137.8	2174.6	2175.3	2165.0	2130.4
55°	1499.8	1541.0	1579.2	1628.6	1712.7	1725.6	1790.5	1777.3	1782.5	1764.5	1782.8
57.5°	1322.3	1346.3	1367.8	1397.2	1421.5	1449.9	1466.6	1482.8	1481.2	1477.7	1460.0
60°	1196.6	1209.8	1221.8	1239.0	1252.2	1268.3	1276.0	1284.2	1281.5	1275.6	1259.9
62.5°	1099.7	1108.0	1114.7	1125.9	1134.0	1144.0	1148.0	1151.4	1148.0	1142.3	1128.4
65°	1004.0	1009.4	1013.7	1022.0	1027.8	1036.3	1039.7	1043.0	1039.8	1035.3	1024.8
67.5°	917.8	918.3	917.9	921.3	923.0	928.1	929.6	932.0	928.3	924.6	915.6
70°	852.4	851.0	849.3	850.7	851.0	853.4	853.9	853.4	849.1	842.5	832.7
72.5°	801.2	800.5	799.3	800.3	800.3	802.6	801.9	800.8	795.3	789.0	779.3
75°	735.5	734.9	732.5	732.6	730.6	731.3	728.6	727.1	721.0	715.7	707.0
77.5°	658.6	657.3	653.7	652.4	648.5	646.8	641.8	639.3	633.2	628.9	621.5
80°	572.6	571.3	566.8	564.2	558.0	554.1	546.7	542.5	535.4	531.2	524.0
82.5°	473.4	473.9	469.3	466.1	457.2	450.5	440.6	435.2	427.5	423.4	416.0
85°	336.7	331.9	334.4	334.2	328.7	322.8	314.8	309.1	302.5	298.6	293.5
87.5°	184.6	185.8	184.5	183.3	179.4	176.4	170.2	166.9	162.1	159.7	155.8
90°	63.0	62.3	57.1	56.5	51.4	49.2	43.2	41.7	36.3	35.3	31.6
92.5°	41.7	39.5	37.6	35.1	33.2	30.9	28.8	26.6	24.3	23.3	22.9
95°	52.2	49.1	46.0	42.8	39.6	36.4	33.3	30.1	26.9	26.3	25.6
97.5°	59.0	55.3	51.4	47.8	44.0	40.3	36.5	32.8	29.1	28.6	28.2
100°	102.6	93.9	85.3	76.6	68.0	59.3	50.8	42.1	33.5	33.0	32.5
102.5°	230.1	209.2	188.2	167.3	146.5	125.5	104.5	83.5	62.6	59.5	56.5
105°	406.6	374.8	343.4	311.6	279.8	248.1	216.5	184.6	152.9	142.8	132.5
107.5°	534.2	504.4	474.7	444.9	415.1	385.4	355.6	325.7	295.9	277.9	260.0
110°	592.5	568.9	545.5	521.9	498.4	474.8	451.1	427.6	404.0	388.4	373.2



TEST NUMBER: P1444675
 CATALOG NUMBER: EHBR1-36-UNV-TA-L930-UPL15

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	586.5	569.3	552.3	535.0	517.9	500.6	483.5	466.2	448.9	439.7	430.4
115°	532.2	521.9	511.8	501.5	491.3	481.0	470.8	460.4	450.0	445.3	440.5
117.5°	467.4	462.3	457.4	452.3	447.3	442.1	437.1	431.8	426.8	425.3	423.7
120°	401.7	400.5	399.1	397.9	396.6	395.3	394.0	392.5	391.1	391.7	392.1
122.5°	347.4	348.3	349.5	350.4	351.5	352.4	353.5	354.2	355.2	356.9	358.6
125°	309.9	311.9	313.9	315.9	317.9	319.8	321.8	323.6	325.6	327.2	329.1
127.5°	283.9	286.0	288.4	290.5	292.7	294.9	297.2	299.1	301.4	303.0	304.8
130°	266.7	268.6	270.6	272.5	274.6	276.6	278.5	280.4	282.5	283.9	285.4
132.5°	255.0	256.8	258.7	260.4	262.4	264.1	266.0	267.9	269.8	271.0	272.3
135°	248.5	250.0	251.6	252.9	254.6	255.9	257.5	259.1	260.7	261.8	262.9
137.5°	243.0	244.3	245.7	246.8	248.3	249.4	251.0	252.3	254.0	254.6	255.7
140°	238.6	239.9	241.1	242.4	243.8	245.1	246.7	248.1	249.7	250.4	251.4
142.5°	235.9	236.8	237.9	238.9	240.2	241.1	242.5	243.8	245.2	246.0	246.8
145°	232.5	233.7	234.8	235.9	237.0	238.4	239.9	241.3	242.7	243.5	244.2
147.5°	230.8	231.8	232.9	233.9	235.0	236.0	237.4	238.6	240.0	240.6	241.4
150°	228.5	229.4	230.4	231.3	232.5	233.7	235.0	236.3	237.9	238.6	239.4
152.5°	226.3	227.4	228.4	229.6	230.8	232.1	233.4	234.8	236.2	236.9	237.7
155°	225.0	225.9	227.1	228.3	229.5	230.6	232.0	233.3	234.6	235.4	236.2
157.5°	225.2	226.0	227.1	228.1	229.2	230.4	231.6	232.8	234.0	234.6	235.3
160°	226.2	227.0	228.0	228.9	230.0	231.0	232.1	233.1	234.3	234.8	235.4
162.5°	227.6	228.4	229.5	230.3	231.4	232.3	233.5	234.4	235.5	236.1	236.7
165°	229.8	230.4	231.3	232.1	232.8	233.5	234.5	235.1	236.1	236.5	237.2
167.5°	233.9	234.4	234.9	235.4	236.2	236.9	237.5	238.1	238.8	239.4	239.9
170°	236.4	236.9	237.3	237.8	238.5	239.0	239.4	240.0	240.8	241.1	241.7
172.5°	239.3	239.4	240.0	240.3	240.5	240.9	241.3	241.7	242.1	242.6	242.9
175°	242.2	242.3	242.5	242.6	242.7	242.8	243.2	243.5	243.6	243.9	244.2
177.5°	244.8	244.9	245.0	245.1	245.3	245.4	245.6	245.7	245.9	246.1	246.4
180°	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0



TEST NUMBER: P1444675
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CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0
2.5°	27620.0	27619.6	27618.7	27617.5	27616.2	27617.0	27618.2	27621.4	27626.9	27634.9	27645.5
5°	27523.0	27528.6	27531.8	27532.3	27529.3	27527.6	27530.3	27537.9	27553.2	27578.9	27613.6
7.5°	27421.3	27428.3	27439.0	27447.0	27448.5	27446.6	27447.0	27458.9	27487.2	27537.2	27607.3
10°	27312.8	27292.1	27303.0	27323.0	27338.7	27341.7	27343.6	27357.6	27399.0	27474.5	27587.2
12.5°	27212.5	27147.2	27134.6	27152.6	27176.6	27184.3	27182.2	27188.2	27236.6	27336.6	27493.6
15°	27080.7	26957.8	26915.7	26920.3	26950.0	26960.7	26952.9	26941.0	26988.2	27110.2	27313.5
17.5°	26867.2	26669.0	26591.8	26588.4	26623.1	26632.3	26613.2	26576.3	26622.7	26775.1	27027.5
20°	26542.8	26250.2	26104.8	26081.7	26119.4	26108.3	26070.3	26014.4	26075.4	26260.7	26560.8
22.5°	25959.5	25588.8	25340.3	25260.2	25305.3	25275.2	25219.7	25148.3	25229.3	25439.9	25774.1
25°	25006.4	24578.1	24237.9	24047.1	24083.0	24029.1	23968.6	23882.2	23978.8	24220.5	24588.3
27.5°	23605.6	23110.7	22689.2	22373.3	22385.0	22314.3	22244.6	22132.7	22253.4	22539.4	22954.3
30°	21742.7	21170.2	20656.9	20227.5	20189.1	20120.6	20049.2	19902.3	20053.4	20395.8	20880.6
32.5°	19403.3	18767.6	18174.5	17631.7	17529.3	17462.4	17398.9	17229.8	17427.6	17826.7	18383.8
35°	16667.5	15990.2	15347.3	14727.3	14557.7	14490.8	14435.2	14273.3	14520.0	14954.4	15556.1
37.5°	13664.6	12972.8	12334.3	11698.6	11458.9	11368.2	11327.8	11221.8	11506.3	11936.0	12540.1
40°	10581.7	9938.4	9366.1	8804.6	8531.3	8392.6	8371.4	8352.1	8627.2	9000.1	9548.4
42.5°	7697.7	7178.8	6737.5	6308.3	6060.6	5871.2	5871.1	5928.6	6176.3	6455.6	6878.3
45°	5324.8	4976.5	4695.3	4408.6	4485.2	4107.4	4329.4	4215.4	4337.9	4518.0	4792.9
47.5°	3660.3	3470.2	3315.7	3155.4	3038.7	2927.1	2936.9	3008.8	3124.2	3231.0	3374.0
50°	2667.7	2570.8	2492.2	2409.0	2350.9	2301.7	2304.6	2335.7	2396.3	2452.6	2527.4
52.5°	2090.3	2037.0	1994.2	1948.2	1917.7	1893.2	1894.6	1909.7	1942.4	1974.6	2017.5
55°	1722.9	1716.5	1660.9	1619.6	1604.0	1587.5	1590.5	1596.4	1618.8	1637.5	1666.0
57.5°	1443.8	1418.9	1402.2	1380.5	1370.5	1359.0	1361.6	1363.8	1378.7	1391.3	1411.7
60°	1246.7	1229.1	1217.2	1202.4	1195.9	1188.6	1190.2	1191.5	1201.2	1209.4	1224.1
62.5°	1115.8	1099.9	1089.7	1078.3	1073.6	1068.7	1069.9	1070.3	1076.2	1082.3	1093.4
65°	1015.4	1002.8	994.2	984.4	979.6	974.5	975.0	975.0	980.0	984.4	992.7
67.5°	909.1	899.7	894.2	886.3	883.0	877.8	877.7	876.1	879.4	881.1	886.8
70°	823.9	814.3	807.3	799.8	795.6	791.1	791.2	791.2	795.1	799.0	806.3
72.5°	771.2	762.1	755.8	749.2	745.3	741.4	740.7	740.3	743.0	745.3	750.1
75°	701.5	694.2	690.5	684.3	681.3	676.8	676.1	674.1	675.4	675.8	679.4
77.5°	616.8	610.0	607.0	600.7	598.1	593.1	592.7	590.5	591.4	590.7	593.5
80°	520.4	514.1	512.5	507.3	506.2	501.5	500.8	498.0	498.9	496.6	497.7
82.5°	412.8	407.0	405.8	401.1	401.1	396.8	396.6	392.5	392.5	388.8	383.1
85°	290.8	286.5	284.8	280.9	279.7	276.3	274.6	270.6	269.2	266.6	265.8
87.5°	153.5	150.8	148.4	146.6	143.2	137.1	136.6	132.4	132.7	129.7	129.9
90°	31.1	27.7	27.3	24.1	23.5	21.4	20.9	20.8	21.2	21.1	21.6
92.5°	22.1	21.4	20.7	20.0	19.2	18.4	17.7	18.4	19.2	20.0	20.7
95°	25.0	24.3	23.6	23.0	22.4	21.7	21.0	21.7	22.4	23.1	23.7
97.5°	27.8	27.4	27.0	26.6	26.1	25.8	25.3	25.8	26.2	26.6	27.1
100°	32.0	31.5	31.0	30.6	30.0	29.6	29.1	29.9	30.3	30.8	31.3
102.5°	53.6	50.5	47.5	44.5	41.4	38.4	35.4	38.4	41.4	44.6	47.6
105°	122.4	112.2	101.9	91.7	81.5	71.3	61.0	71.4	81.6	91.8	102.1
107.5°	242.0	224.3	206.3	188.4	170.3	152.4	134.4	152.5	170.5	188.5	206.5
110°	357.6	342.3	326.8	311.4	295.8	280.4	264.8	280.4	295.9	311.5	327.0



TEST NUMBER: P1444675
 CATALOG NUMBER: EHBR1-36-UNV-TA-L930-UPL15

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	421.0	411.7	402.3	393.1	383.5	374.3	364.7	374.5	383.9	393.6	402.9
115°	435.8	430.9	426.1	421.3	416.3	411.4	406.4	411.8	416.9	422.0	427.0
117.5°	422.1	420.7	419.0	417.5	415.8	414.3	412.5	414.5	416.3	418.4	420.1
120°	392.5	393.1	393.4	393.8	394.2	394.5	394.7	395.0	395.0	395.0	394.8
122.5°	360.1	361.8	363.3	364.9	366.3	367.9	369.1	368.2	367.1	366.3	364.9
125°	330.7	332.6	334.2	335.9	337.3	339.0	340.1	339.5	338.5	337.4	336.1
127.5°	306.4	308.0	309.6	311.3	312.6	314.0	315.2	314.7	313.8	312.9	311.7
130°	286.8	288.4	289.5	291.0	292.0	293.2	294.0	293.8	293.2	292.8	291.8
132.5°	273.5	274.9	276.0	277.1	278.0	279.0	279.6	279.6	279.4	279.1	278.5
135°	264.0	265.0	265.9	267.0	267.7	268.4	268.8	269.1	269.0	268.9	268.5
137.5°	256.4	257.4	258.1	258.7	259.2	259.7	259.9	260.4	260.6	261.0	260.8
140°	252.2	253.2	253.9	254.5	255.3	255.8	255.9	256.6	256.7	256.8	256.6
142.5°	247.8	248.6	249.4	250.1	250.7	251.2	251.5	251.9	252.1	252.2	252.2
145°	245.1	245.7	246.3	247.0	247.5	247.8	247.8	248.5	248.8	249.0	249.2
147.5°	242.0	242.8	243.4	243.9	244.3	244.7	244.8	245.3	245.6	245.9	246.0
150°	240.3	241.0	241.7	242.3	242.8	243.3	243.4	243.9	244.1	244.3	244.3
152.5°	238.3	239.0	239.7	240.3	240.7	241.1	241.2	241.7	242.0	242.4	242.5
155°	236.8	237.5	238.1	238.7	239.2	239.7	240.1	240.5	240.8	241.1	241.2
157.5°	235.9	236.6	237.0	237.7	238.1	238.7	239.1	239.6	240.0	240.3	240.6
160°	236.0	236.7	237.1	237.8	238.3	238.7	239.2	239.7	240.1	240.4	240.8
162.5°	237.1	237.8	238.1	238.7	239.2	239.7	240.2	240.6	241.1	241.5	241.8
165°	237.8	238.4	238.8	239.4	240.0	240.6	241.0	241.4	241.7	241.9	242.2
167.5°	240.3	241.0	241.3	241.9	242.3	242.9	243.4	243.7	243.9	244.2	244.4
170°	242.0	242.6	242.9	243.4	243.8	244.4	244.6	244.9	245.1	245.3	245.5
172.5°	243.3	243.8	244.3	244.8	245.2	245.6	246.0	246.2	246.2	246.4	246.3
175°	244.5	245.0	245.2	245.6	245.9	246.2	246.6	246.5	246.7	246.6	246.6
177.5°	246.8	247.3	247.6	247.8	248.2	248.4	248.7	248.4	248.4	248.3	248.0
180°	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0



TEST NUMBER: P1444675
 CATALOG NUMBER: EHBR1-36-UNV-TA-L930-UPL15

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0
2.5°	27660.2	27674.1	27695.3	27714.4	27743.3	27766.1	27800.3	27826.3	27864.9	27890.0	27932.0
5°	27662.7	27716.8	27787.9	27857.5	27941.0	28016.7	28110.9	28191.1	28285.8	28363.0	28459.9
7.5°	27701.8	27806.1	27931.2	28057.3	28199.8	28333.1	28483.4	28619.4	28768.0	28893.8	29031.2
10°	27730.6	27891.6	28076.0	28261.4	28456.7	28638.1	28821.2	28979.5	29127.3	29249.1	29356.6
12.5°	27691.5	27913.2	28149.8	28378.2	28595.3	28783.1	28940.6	29062.4	29146.3	29203.3	29216.7
15°	27558.6	27825.4	28082.6	28310.1	28490.2	28629.1	28701.0	28734.7	28698.6	28638.5	28506.7
17.5°	27310.1	27591.5	27821.5	28000.9	28096.1	28133.8	28074.2	27970.6	27768.1	27543.2	27218.6
20°	26854.6	27116.8	27283.6	27381.5	27356.0	27261.8	27036.9	26763.5	26359.2	25928.2	25359.6
22.5°	26055.7	26285.0	26373.7	26381.0	26225.7	25989.8	25584.2	25115.2	24477.4	23814.2	22998.6
25°	24856.4	25057.2	25071.2	24992.4	24708.0	24325.9	23730.1	23066.8	22200.0	21316.3	20294.3
27.5°	23230.0	23422.5	23375.4	23228.3	22833.5	22322.1	21559.4	20702.4	19633.8	18590.1	17459.6
30°	21185.5	21391.4	21336.0	21147.3	20677.7	20073.3	19175.9	18180.2	16993.8	15879.0	14733.4
32.5°	18738.8	18999.1	18960.9	18781.5	18291.4	17644.6	16670.9	15614.9	14401.1	13302.5	12188.1
35°	15957.7	16273.8	16290.2	16172.9	15718.0	15078.7	14117.2	13095.0	11932.4	10895.9	9866.3
37.5°	12961.5	13328.0	13403.3	13371.6	12994.6	12430.2	11554.2	10637.3	9607.2	8698.9	7818.3
40°	9948.8	10319.7	10448.3	10486.6	10208.4	9771.3	9052.2	8312.1	7472.5	6736.4	6037.2
42.5°	7201.2	7530.0	7654.4	7732.7	7559.0	7267.5	6743.0	6205.5	5590.4	5059.5	4550.5
45°	5001.3	5234.0	5328.6	5407.3	5312.8	5148.4	4817.1	4481.0	4074.9	3728.0	3399.5
47.5°	3496.7	3625.1	3687.4	3725.7	3689.0	3603.2	3423.0	3228.3	2999.0	2796.3	2601.4
50°	2591.9	2660.1	2692.8	2714.9	2688.2	2640.5	2543.0	2437.0	2311.1	2196.2	2083.9
52.5°	2054.0	2093.1	2112.5	2124.4	2109.1	2079.9	2023.2	1960.3	1884.8	1813.8	1776.6
55°	1730.3	1728.3	1773.2	1751.5	1773.2	1724.8	1714.6	1645.5	1582.8	1538.7	1491.0
57.5°	1427.0	1447.3	1455.9	1465.6	1459.3	1450.5	1426.4	1401.6	1368.5	1340.9	1311.4
60°	1235.2	1252.0	1261.4	1270.9	1270.3	1267.0	1253.1	1238.3	1217.7	1201.2	1183.3
62.5°	1103.1	1117.7	1126.9	1136.1	1136.9	1135.6	1125.1	1114.7	1100.6	1090.3	1078.0
65°	999.2	1009.4	1015.7	1023.0	1022.6	1020.7	1011.1	1002.6	990.9	983.8	974.7
67.5°	890.4	898.2	903.1	909.9	911.3	911.7	906.5	902.5	896.8	894.8	891.7
70°	813.1	822.4	830.4	839.1	843.8	846.0	843.8	841.8	838.5	837.0	834.6
72.5°	754.5	762.5	768.6	776.5	781.0	784.1	782.4	781.3	778.4	778.0	776.4
75°	681.8	687.3	690.8	696.8	699.1	702.1	700.8	701.5	700.5	702.8	702.7
77.5°	594.5	598.5	600.1	604.4	604.8	608.4	609.3	613.5	616.4	623.0	626.5
80°	496.1	498.6	498.6	503.0	505.0	511.1	513.9	520.8	524.0	529.9	530.4
82.5°	385.3	382.4	385.3	383.5	389.2	395.9	396.8	402.7	404.0	407.7	404.8
85°	263.4	263.2	260.8	261.3	259.5	260.4	259.3	260.5	259.4	259.5	256.8
87.5°	126.2	127.3	124.6	125.5	122.8	124.0	121.7	123.5	120.7	121.2	117.1
90°	21.7	22.2	22.3	22.8	23.5	24.8	26.1	27.4	29.1	30.2	31.6
92.5°	21.4	22.2	23.0	23.7	24.4	26.6	28.9	31.0	33.3	35.5	37.7
95°	24.4	25.0	25.7	26.6	27.3	30.5	33.7	36.8	40.0	43.2	46.4
97.5°	27.7	28.2	28.6	29.0	29.5	33.2	37.0	40.8	44.6	48.3	52.0
100°	31.9	32.3	32.9	33.4	34.0	42.6	51.3	60.0	68.6	77.3	85.9
102.5°	50.7	53.7	56.8	60.1	63.1	84.1	105.2	126.2	146.9	168.0	188.9
105°	112.4	122.6	133.0	143.3	153.5	185.4	217.3	249.1	280.6	312.4	344.2
107.5°	224.6	242.6	260.7	278.7	296.7	326.6	356.5	386.4	416.3	446.2	475.8
110°	342.9	358.1	374.0	389.5	405.1	428.6	452.4	476.1	499.8	523.4	547.0



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CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	412.6	421.9	431.4	440.7	450.2	467.6	485.0	502.4	519.7	536.9	554.2
115°	432.0	436.7	441.8	446.7	451.8	462.1	472.6	483.0	493.4	503.7	514.1
117.5°	422.0	423.7	425.5	426.9	428.7	433.9	439.2	444.4	449.8	455.0	460.2
120°	394.7	394.4	394.2	393.8	393.6	395.0	396.6	398.0	399.5	401.0	402.3
122.5°	363.8	362.3	361.0	359.6	358.1	357.2	356.5	355.6	354.9	354.0	353.2
125°	334.8	333.4	331.9	330.4	328.8	327.0	325.3	323.5	321.6	319.8	318.0
127.5°	310.7	309.2	308.1	306.6	305.1	303.0	301.0	298.9	297.0	294.8	292.7
130°	291.1	290.0	289.2	287.7	286.8	284.7	283.0	281.2	279.3	277.4	275.5
132.5°	277.9	277.1	276.3	275.3	274.4	272.6	271.1	269.2	267.4	265.6	264.0
135°	268.3	267.7	267.3	266.5	265.7	264.1	262.9	261.4	260.0	258.6	257.3
137.5°	260.7	260.3	259.9	259.5	259.1	257.7	256.6	255.3	254.2	252.9	251.8
140°	256.6	256.3	256.0	255.6	255.1	253.9	252.6	251.4	250.2	248.9	247.7
142.5°	252.0	251.8	251.5	251.0	250.7	249.5	248.8	247.7	246.8	245.7	244.8
145°	249.1	249.0	248.8	248.4	248.4	247.3	246.2	245.1	244.2	243.0	241.9
147.5°	246.1	246.0	246.0	245.8	245.9	244.9	244.2	243.2	242.5	241.5	240.8
150°	244.3	244.3	244.2	244.0	243.9	243.0	242.3	241.5	240.7	239.8	239.1
152.5°	242.5	242.6	242.7	242.7	242.7	241.9	241.1	240.3	239.6	238.6	237.9
155°	241.4	241.5	241.7	241.7	241.7	241.1	240.3	239.5	238.8	238.1	237.4
157.5°	240.8	241.0	241.1	241.3	241.4	240.9	240.3	239.7	239.1	238.5	237.8
160°	241.1	241.3	241.5	241.7	241.9	241.3	241.1	240.3	240.1	239.4	238.8
162.5°	242.1	242.4	242.6	242.7	242.9	242.4	242.1	241.6	241.1	240.4	240.0
165°	242.6	242.7	242.8	242.8	242.9	242.6	242.5	242.1	241.8	241.3	241.0
167.5°	244.7	244.7	244.9	244.9	245.1	244.8	244.8	244.5	244.3	244.0	243.7
170°	245.7	245.9	246.0	246.0	246.0	245.8	245.7	245.5	245.4	245.0	244.7
172.5°	246.4	246.3	246.5	246.5	246.4	246.2	246.1	246.0	245.9	245.8	245.6
175°	246.6	246.6	246.6	246.5	246.4	246.4	246.3	246.4	246.3	246.3	246.2
177.5°	248.0	247.8	247.6	247.5	247.3	247.2	247.3	247.2	247.3	247.2	247.1
180°	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0



TEST NUMBER: P1444675
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CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0
2.5°	27958.0	27785.3	27762.6	27774.7	27803.5	27814.1	27845.3	27853.8	27885.2	27892.8	27923.0
5°	28534.8	28306.7	28318.0	28372.9	28455.9	28505.5	28587.1	28629.8	28707.8	28743.3	28813.7
7.5°	29143.2	28964.0	29019.9	29112.4	29226.0	29304.6	29402.7	29466.6	29551.1	29603.6	29671.3
10°	29441.8	29392.7	29454.3	29527.1	29591.9	29642.6	29684.2	29717.4	29739.3	29759.7	29768.6
12.5°	29214.6	29290.6	29301.0	29294.0	29251.0	29218.2	29144.6	29094.6	29005.8	28951.6	28845.9
15°	28372.0	28539.1	28446.5	28306.4	28101.5	27930.5	27689.2	27509.5	27258.2	27087.7	26835.4
17.5°	26893.2	27104.2	26863.0	26538.9	26126.5	25773.8	25334.5	24985.9	24549.0	24231.3	23823.7
20°	24811.5	25008.6	24578.6	24041.2	23403.4	22866.5	22233.5	21728.4	21140.1	20702.4	20174.3
22.5°	22219.6	22360.0	21754.1	21029.7	20217.1	19546.4	18789.5	18184.0	17512.6	17012.3	16449.2
25°	19352.1	19390.0	18663.2	17828.7	16922.9	16169.2	15361.1	14724.5	14039.7	13532.7	12980.1
27.5°	16457.9	16402.3	15616.9	14732.0	13779.2	12995.8	12207.6	11611.0	11011.3	10554.6	10078.4
30°	13726.2	13591.7	12776.1	11866.5	10941.7	10239.5	9585.2	9106.0	8629.0	8266.7	7884.4
32.5°	11221.1	11031.3	10237.4	9385.3	8606.0	8064.1	7579.0	7216.4	6831.1	6525.1	6204.4
35°	9002.3	8800.1	8096.8	7374.4	6784.5	6385.1	6003.8	5706.3	5379.2	5121.0	4842.5
37.5°	7098.1	6932.4	6343.2	5774.8	5328.6	5019.1	4706.6	4463.5	4193.2	4079.6	3782.0
40°	5479.7	5363.9	4903.2	4484.1	4149.1	4003.7	3686.6	3459.5	3257.5	3090.9	2929.5
42.5°	4274.3	4233.3	3784.9	3458.2	3222.3	3039.1	2862.3	2718.8	2579.1	2464.3	2355.8
45°	3136.7	3104.2	2905.2	2716.5	2555.8	2427.7	2308.2	2209.6	2118.2	2042.6	1973.8
47.5°	2442.5	2432.1	2317.5	2200.5	2099.3	2017.0	1939.5	1874.0	1813.4	1762.9	1746.4
50°	1986.6	1985.3	1918.0	1845.8	1773.7	1726.1	1676.7	1637.9	1599.0	1568.7	1536.7
52.5°	1687.9	1680.7	1635.2	1590.7	1547.8	1516.6	1485.0	1460.2	1434.5	1415.8	1395.9
55°	1453.2	1460.8	1434.6	1408.0	1381.2	1361.7	1339.6	1323.3	1305.6	1293.8	1281.7
57.5°	1290.1	1300.3	1286.4	1271.4	1255.1	1242.3	1227.0	1215.7	1203.9	1196.4	1189.4
60°	1171.4	1182.5	1177.0	1169.4	1159.3	1151.7	1142.0	1135.7	1128.1	1123.9	1120.0
62.5°	1070.8	1084.7	1082.7	1079.1	1072.7	1068.4	1063.1	1060.3	1055.3	1053.4	1051.5
65°	970.4	986.0	985.7	983.9	980.3	979.1	975.8	975.2	972.6	973.7	973.4
67.5°	891.4	905.0	907.9	910.0	909.9	910.7	910.5	911.8	911.8	913.8	915.0
70°	834.4	843.8	846.0	848.4	849.0	850.8	850.8	851.9	851.7	853.3	853.4
72.5°	776.7	789.2	791.4	793.3	793.3	795.1	794.1	793.8	791.3	790.8	789.1
75°	705.1	721.0	724.5	726.7	727.1	728.6	726.5	725.1	721.0	719.3	716.5
77.5°	630.2	646.7	649.2	650.0	648.7	649.0	644.5	641.4	636.2	634.0	631.2
80°	532.7	557.1	559.0	557.5	553.7	553.0	548.7	545.7	539.5	537.4	535.0
82.5°	405.4	433.9	437.9	439.7	436.6	437.3	433.1	431.5	425.7	424.7	420.9
85°	255.9	284.5	289.2	288.5	285.4	284.7	282.2	283.0	282.6	284.1	284.9
87.5°	117.6	145.3	151.9	149.7	149.4	147.5	143.0	144.7	147.4	149.1	149.3
90°	33.1	42.7	43.9	43.5	40.5	39.7	36.8	36.5	34.1	33.7	31.5
92.5°	39.8	42.1	44.3	42.3	40.4	38.4	36.4	34.4	32.5	30.5	28.6
95°	49.5	52.5	55.7	53.1	50.3	47.8	45.2	42.5	39.9	37.3	34.7
97.5°	55.8	59.3	62.9	60.3	57.7	55.0	52.3	49.7	47.1	44.4	41.7
100°	94.5	102.8	111.4	103.9	96.4	88.9	81.5	74.0	66.6	59.1	51.6
102.5°	209.9	230.6	251.4	232.5	213.6	194.6	175.8	156.9	138.1	119.0	100.2
105°	375.9	407.3	438.9	409.8	381.0	352.2	323.3	294.5	265.6	236.7	207.9
107.5°	505.7	534.9	564.4	538.2	512.1	486.0	459.7	433.7	407.6	381.3	355.3
110°	570.7	593.3	616.8	598.9	581.5	563.6	546.1	528.4	510.9	493.4	476.0



TEST NUMBER: P1444675
 CATALOG NUMBER: EHBR1-36-UNV-TA-L930-UPL15

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	571.4	587.4	604.4	593.8	583.4	572.9	562.6	552.1	541.8	531.3	521.1
115°	524.3	533.2	543.1	538.6	534.4	530.0	525.7	521.5	517.1	512.9	508.8
117.5°	465.3	468.7	473.4	472.1	471.1	469.9	468.9	467.8	467.0	465.9	465.0
120°	403.7	403.2	404.0	404.0	404.2	404.3	404.5	404.6	404.8	405.0	405.3
122.5°	352.2	349.2	347.6	347.6	347.5	347.5	347.6	347.6	347.7	347.9	348.1
125°	316.2	311.9	309.3	308.1	307.0	305.7	304.4	303.3	302.2	300.9	300.0
127.5°	290.6	286.1	283.4	281.2	279.0	276.8	274.6	272.3	270.3	268.1	266.2
130°	273.7	269.1	266.5	264.0	261.5	258.7	256.2	253.5	250.9	248.3	245.7
132.5°	262.3	257.7	255.3	252.8	250.4	247.7	245.3	242.7	240.2	237.5	235.1
135°	255.8	251.4	249.3	246.9	244.9	242.4	240.1	237.7	235.4	232.9	230.8
137.5°	250.5	246.1	244.3	242.3	240.5	238.5	236.7	234.7	232.8	230.6	228.8
140°	246.5	241.9	240.0	238.7	237.7	236.2	235.0	233.7	232.5	231.2	229.9
142.5°	243.7	239.3	237.5	236.6	235.8	234.9	234.3	233.3	232.4	231.3	230.4
145°	241.1	236.0	234.2	233.7	233.7	233.2	232.9	232.6	232.2	231.7	231.3
147.5°	239.8	234.6	232.9	232.9	232.8	232.4	232.5	232.2	232.3	232.0	232.0
150°	238.1	232.2	230.2	230.4	230.3	230.4	230.6	230.5	230.8	230.9	230.9
152.5°	237.0	230.1	227.7	227.9	228.1	228.1	228.4	228.6	228.9	229.2	229.4
155°	236.5	228.9	226.3	226.2	226.3	226.3	226.4	226.5	226.7	226.9	227.2
157.5°	237.0	229.0	226.5	226.3	226.3	226.3	226.2	226.2	226.3	226.3	226.7
160°	238.2	230.2	227.6	227.3	227.3	227.2	227.1	227.0	227.1	227.2	227.3
162.5°	239.3	231.5	229.0	228.7	228.5	228.3	228.3	228.0	228.1	228.1	228.3
165°	240.4	233.6	231.3	231.1	231.1	230.9	230.9	230.8	230.8	230.9	231.1
167.5°	243.4	237.1	235.3	235.0	234.7	234.4	234.4	234.0	234.0	233.7	233.7
170°	244.4	239.5	237.9	237.8	237.8	237.8	237.7	237.7	237.6	237.5	237.6
172.5°	245.3	241.8	240.6	240.6	240.8	240.9	241.1	241.1	241.2	241.4	241.6
175°	246.1	244.0	243.5	243.4	243.5	243.5	243.6	243.6	243.7	243.8	244.1
177.5°	247.1	246.5	246.2	246.2	246.2	246.2	246.2	246.2	246.2	246.3	246.3
180°	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0



TEST NUMBER: P1444675
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0
2.5°	27928.6	27961.2	27958.7	27989.1	27987.6	28016.2	28010.5	28035.2	28029.5	28050.7	28038.3
5°	28844.8	28906.6	28927.1	28983.0	28994.6	29044.5	29045.6	29085.4	29080.5	29111.6	29095.1
7.5°	29711.3	29769.1	29796.6	29840.0	29861.7	29897.6	29911.7	29941.3	29948.3	29965.8	29965.3
10°	29784.5	29784.3	29797.8	29791.8	29803.9	29796.8	29811.6	29806.3	29828.2	29822.5	29839.1
12.5°	28800.4	28702.7	28667.1	28579.3	28560.1	28484.8	28490.2	28441.9	28465.2	28435.5	28486.1
15°	26685.3	26458.8	26346.9	26149.9	26088.0	25932.3	25919.7	25816.3	25844.2	25790.1	25869.1
17.5°	23559.9	23203.3	23007.5	22719.9	22605.6	22385.4	22341.3	22208.2	22228.8	22161.7	22257.3
20°	19833.6	19402.6	19155.8	18823.1	18674.6	18412.2	18342.5	18193.6	18212.3	18145.6	18253.6
22.5°	16064.8	15613.7	15334.9	14986.3	14796.7	14549.9	14475.8	14326.1	14334.7	14272.0	14375.9
25°	12601.4	12168.9	11898.3	11581.6	11417.2	11190.8	11113.0	10978.7	10986.2	10934.5	11027.8
27.5°	9748.2	9393.2	9166.9	8901.3	8753.9	8567.9	8491.9	8379.0	8378.7	8340.8	8418.8
30°	7617.6	7321.4	7118.2	6887.0	6748.6	6580.6	6507.3	6406.2	6401.9	6374.9	6436.9
32.5°	5964.4	5701.0	5515.6	5312.2	5187.9	5043.8	4974.3	4893.2	4885.8	4861.4	4912.2
35°	4636.6	4414.7	4255.4	4084.0	4096.7	3884.0	3919.4	3754.3	3709.5	3699.7	3737.5
37.5°	3583.5	3411.7	3282.2	3153.9	3067.0	2977.2	2928.8	2885.3	2880.4	2876.2	2902.7
40°	2804.9	2684.6	2590.5	2502.5	2442.7	2387.9	2357.6	2333.7	2328.1	2324.9	2340.9
42.5°	2270.2	2189.0	2128.3	2074.7	2038.3	2008.4	1991.9	1978.6	1974.1	1974.3	1983.8
45°	1918.0	1868.8	1829.7	1796.3	1773.1	1783.3	1753.2	1769.0	1748.2	1769.7	1755.5
47.5°	1689.1	1647.2	1622.9	1599.3	1585.2	1573.9	1574.4	1574.6	1579.0	1579.7	1584.3
50°	1512.4	1488.2	1471.4	1456.2	1448.9	1443.0	1445.1	1446.6	1450.9	1451.2	1454.6
52.5°	1381.7	1365.8	1355.6	1346.2	1342.9	1339.6	1341.0	1340.4	1342.3	1341.3	1344.1
55°	1275.3	1267.7	1264.6	1261.1	1261.6	1260.7	1261.3	1257.9	1255.9	1253.3	1255.6
57.5°	1188.0	1186.9	1189.1	1190.6	1194.6	1196.0	1196.9	1193.0	1189.3	1185.9	1187.9
60°	1120.7	1122.4	1127.6	1132.0	1137.7	1140.4	1142.1	1139.8	1137.1	1134.3	1136.0
62.5°	1054.4	1056.9	1063.3	1068.1	1075.1	1078.7	1082.7	1082.9	1084.0	1082.9	1084.1
65°	977.3	980.5	986.2	990.2	996.7	999.9	1004.0	1004.8	1007.0	1006.5	1008.4
67.5°	918.8	921.7	926.5	930.3	936.1	939.3	942.9	943.1	944.0	943.7	945.6
70°	856.4	857.8	862.1	865.3	871.0	874.4	878.5	879.7	882.3	882.8	884.8
72.5°	789.8	789.2	791.8	793.2	797.5	800.2	805.4	808.3	812.6	813.7	815.3
75°	717.3	716.7	719.8	721.0	724.7	727.3	733.2	737.0	743.7	746.4	745.7
77.5°	633.3	634.8	640.6	643.8	648.7	652.0	659.7	665.8	678.0	683.3	677.9
80°	539.5	541.0	547.0	550.0	556.4	560.5	569.1	576.2	587.2	589.5	586.5
82.5°	424.2	424.5	429.9	432.2	440.6	446.6	457.4	463.1	469.9	468.8	468.0
85°	289.2	293.1	299.8	306.5	316.7	326.6	336.8	345.2	339.3	348.6	338.1
87.5°	154.6	154.2	163.2	161.7	176.2	184.5	193.3	197.5	202.2	201.3	201.4
90°	31.5	29.7	30.1	28.2	29.4	27.2	29.1	27.2	29.6	27.0	31.2
92.5°	26.6	25.6	24.4	23.4	22.3	21.4	20.2	19.2	18.1	17.0	18.1
95°	32.1	31.1	30.1	29.1	28.1	27.1	26.1	25.1	24.1	23.2	24.4
97.5°	39.1	38.6	38.0	37.4	36.8	36.3	35.6	35.1	34.4	33.9	34.7
100°	44.1	44.1	44.1	44.1	43.8	43.8	43.8	43.8	43.8	43.8	44.5
102.5°	81.3	79.4	77.5	75.6	73.7	71.7	69.9	68.0	66.1	64.3	67.0
105°	179.1	171.7	164.3	156.9	149.4	142.1	134.7	127.3	120.0	112.6	120.2
107.5°	329.4	315.8	302.4	288.9	275.5	262.0	248.6	235.2	221.8	208.3	220.4
110°	458.3	444.0	429.6	415.4	401.0	386.8	372.5	358.2	344.0	329.7	341.2



TEST NUMBER: P1444675
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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°	510.9	501.4	492.1	482.8	473.6	464.5	455.2	446.0	436.8	427.7	433.2
115°	504.6	500.1	495.6	491.2	486.7	482.1	477.7	473.4	469.0	464.6	465.0
117.5°	464.1	462.3	460.8	459.1	457.6	456.1	454.7	453.2	451.8	450.5	447.4
120°	405.6	405.8	406.0	406.4	406.7	407.2	407.4	408.0	408.6	409.1	404.9
122.5°	348.3	349.0	349.8	350.7	351.6	352.6	353.7	354.9	356.1	357.3	353.2
125°	298.8	299.5	300.3	301.0	301.7	302.9	304.0	305.1	306.3	307.6	304.1
127.5°	264.0	264.0	263.9	264.0	264.1	264.5	264.8	265.3	265.9	266.5	264.3
130°	243.1	242.4	241.5	240.9	240.1	239.7	239.3	239.0	238.7	238.6	237.8
132.5°	232.6	231.3	229.8	228.6	227.3	226.3	225.3	224.7	223.9	223.3	223.1
135°	228.3	226.6	224.8	223.3	221.7	220.5	219.1	218.2	217.1	216.2	216.5
137.5°	226.8	225.2	223.4	221.9	220.3	219.0	217.7	216.5	215.6	214.8	215.3
140°	228.5	226.8	225.1	223.7	222.3	220.9	219.7	218.7	217.5	216.8	217.1
142.5°	229.4	228.1	226.5	225.2	223.8	222.6	221.5	220.6	219.5	219.0	219.3
145°	230.9	229.9	228.7	227.6	226.7	225.9	224.8	224.3	223.6	223.3	223.5
147.5°	231.7	231.0	230.0	229.3	228.4	227.9	227.2	226.8	226.3	226.0	226.1
150°	231.0	230.5	229.9	229.5	228.9	228.7	228.2	228.0	227.7	227.5	227.5
152.5°	229.6	229.2	228.8	228.4	228.0	227.8	227.4	227.2	227.2	227.0	227.0
155°	227.3	227.2	227.0	226.9	226.7	226.9	226.7	226.9	226.8	227.0	227.1
157.5°	226.8	226.9	226.8	227.0	227.1	227.2	227.2	227.6	227.6	227.9	228.1
160°	227.6	227.7	227.6	227.8	227.9	227.9	228.0	228.2	228.3	228.5	228.8
162.5°	228.4	228.7	228.8	229.0	229.3	229.5	229.8	230.3	230.4	230.8	231.2
165°	231.3	231.3	231.3	231.3	231.5	231.6	231.8	232.1	232.2	232.5	232.9
167.5°	233.7	233.8	233.8	234.0	234.2	234.5	234.6	235.0	235.3	235.8	236.2
170°	237.5	237.5	237.5	237.5	237.5	237.7	237.8	237.8	238.0	238.3	238.5
172.5°	241.7	241.7	241.5	241.7	241.5	241.7	241.7	241.8	241.8	241.9	241.9
175°	244.0	244.3	244.4	244.5	244.5	244.6	244.7	244.8	244.9	245.1	245.1
177.5°	246.3	246.4	246.4	246.4	246.4	246.5	246.5	246.5	246.5	246.4	246.5
180°	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0



TEST NUMBER: P1444675
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CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0
2.5°	28058.9	28044.9	28059.2	28044.7	28059.2	28041.7	28053.6	28034.7	28039.5	28019.9	28024.9
5°	29119.8	29097.5	29109.4	29080.3	29083.4	29044.5	29043.8	28998.7	28986.7	28935.3	28912.7
7.5°	29977.7	29970.4	29974.5	29955.8	29953.7	29927.2	29914.6	29877.2	29853.7	29806.3	29773.9
10°	29841.9	29863.9	29869.5	29891.8	29896.4	29918.5	29923.1	29945.2	29949.8	29966.2	29966.3
12.5°	28483.7	28558.0	28575.7	28667.4	28706.1	28811.1	28867.3	28983.0	29051.7	29167.0	29237.8
15°	25867.0	25995.5	26046.8	26225.9	26325.0	26534.1	26665.5	26905.5	27075.0	27330.0	27512.0
17.5°	22265.7	22445.2	22526.2	22769.1	22927.6	23236.3	23458.7	23824.9	24105.1	24512.0	24834.5
20°	18272.1	18471.6	18581.6	18858.7	19045.7	19406.3	19684.0	20134.0	20509.1	21024.7	21465.7
22.5°	14408.6	14598.5	14720.6	15002.5	15213.0	15589.1	15899.5	16374.4	16794.8	17375.8	17904.4
25°	11063.0	11237.1	11347.4	11602.5	11800.2	12145.8	12442.2	12898.9	13310.2	13892.9	14435.0
27.5°	8457.5	8603.3	8709.7	8927.2	9101.6	9394.7	9649.3	10026.7	10381.1	10885.3	11368.0
30°	6474.9	6604.1	6707.7	6897.1	7058.7	7312.9	7536.7	7853.8	8147.1	8548.3	8932.2
32.5°	4948.0	5059.2	5151.4	5317.2	5463.8	5692.7	5894.4	6172.3	6424.0	6764.3	7080.2
35°	3772.6	3991.5	3976.0	4204.6	4241.4	4405.6	4585.5	4828.5	5051.5	5340.8	5609.7
37.5°	2928.2	2989.7	3055.6	3156.7	3262.9	3412.4	3564.4	3861.2	3970.1	4188.8	4411.3
40°	2361.3	2402.9	2446.4	2514.7	2589.0	2694.4	2805.0	2946.6	3091.8	3269.1	3450.1
42.5°	1996.2	2019.8	2047.5	2087.7	2133.5	2200.2	2274.3	2370.3	2471.2	2596.1	2723.4
45°	1783.5	1772.4	1780.6	1802.2	1829.8	1870.3	1917.1	1976.5	2042.2	2123.1	2209.1
47.5°	1585.2	1589.8	1592.2	1604.0	1618.8	1645.9	1674.3	1714.6	1792.6	1816.3	1863.3
50°	1454.3	1456.5	1455.8	1461.6	1469.2	1486.9	1505.2	1532.6	1559.9	1596.0	1630.5
52.5°	1344.5	1347.6	1347.1	1351.1	1355.1	1366.3	1377.9	1397.2	1415.0	1438.0	1457.9
55°	1257.8	1262.0	1263.6	1266.9	1268.9	1274.8	1279.4	1288.6	1296.3	1309.3	1321.3
57.5°	1191.2	1196.9	1199.6	1200.7	1198.3	1198.0	1196.5	1198.5	1200.0	1207.0	1213.7
60°	1138.7	1143.3	1144.0	1143.3	1139.0	1135.9	1130.9	1129.4	1128.6	1132.0	1135.7
62.5°	1083.7	1085.4	1084.2	1082.9	1078.0	1075.0	1069.9	1068.0	1066.2	1068.7	1070.6
65°	1007.7	1009.1	1007.7	1006.9	1002.5	1000.1	995.8	994.4	991.9	992.6	992.1
67.5°	946.0	947.5	946.3	945.1	942.1	940.7	937.5	935.4	932.5	931.3	929.3
70°	884.5	885.6	883.8	882.8	879.3	878.0	874.9	874.3	872.0	871.4	869.0
72.5°	813.7	813.8	811.4	810.7	808.1	808.0	806.7	807.9	807.7	809.0	808.4
75°	741.3	740.3	737.2	736.7	734.7	735.6	734.3	736.1	736.3	738.9	739.3
77.5°	668.8	665.0	659.2	656.4	652.5	652.0	649.7	651.2	650.7	653.8	655.1
80°	577.2	572.6	565.1	561.5	556.9	556.2	554.1	556.2	555.1	558.7	561.2
82.5°	460.8	456.8	449.0	446.1	440.8	441.3	439.1	441.3	441.0	446.4	449.4
85°	340.9	338.2	330.2	323.1	315.2	310.6	306.0	305.2	303.9	306.0	307.9
87.5°	196.9	194.4	188.1	184.0	170.2	170.8	165.4	165.0	163.7	162.5	165.4
90°	30.0	33.6	32.6	35.8	35.3	39.0	38.9	42.3	41.5	44.8	44.6
92.5°	19.2	20.2	21.3	22.3	23.3	24.4	25.5	26.6	28.9	30.8	33.4
95°	25.7	26.8	28.1	29.3	30.6	31.7	33.0	34.2	37.6	40.9	44.3
97.5°	35.6	36.4	37.2	38.0	38.8	39.7	40.5	41.3	44.9	48.6	52.1
100°	45.2	45.8	46.4	47.1	47.8	48.4	49.1	49.7	56.9	63.9	70.8
102.5°	69.8	72.6	75.4	78.2	81.0	83.9	86.6	89.4	105.4	121.4	137.3
105°	127.9	135.5	143.2	150.8	158.4	166.0	173.8	181.3	207.0	232.5	258.3
107.5°	232.4	244.4	256.5	268.6	280.6	292.7	304.8	316.9	341.8	367.0	392.0
110°	352.6	364.2	375.6	387.2	398.6	410.2	421.7	433.5	448.5	463.5	478.6



TEST NUMBER: P1444675
 CATALOG NUMBER: EHBR1-36-UNV-TA-L930-UPL15

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	438.9	444.4	450.1	455.7	461.4	467.2	472.9	478.6	486.3	493.9	501.5
115°	465.4	465.7	466.2	466.7	467.2	467.7	468.4	468.9	471.6	474.1	476.8
117.5°	444.3	441.3	438.4	435.5	432.6	429.9	427.0	424.4	424.1	423.8	423.8
120°	401.0	397.1	393.1	389.0	385.2	381.4	377.8	374.1	372.4	370.6	369.2
122.5°	349.1	345.2	341.3	337.5	333.7	330.1	326.5	322.9	322.0	321.0	320.0
125°	300.8	297.6	294.3	291.3	288.3	285.4	282.6	279.9	280.3	280.6	281.2
127.5°	262.4	260.6	258.8	257.1	255.6	254.1	252.6	251.1	252.7	254.1	255.6
130°	237.0	236.3	235.9	235.3	235.1	234.7	234.5	234.3	236.5	238.6	240.8
132.5°	223.3	223.3	223.6	223.9	224.4	224.9	225.6	226.1	228.6	230.8	233.3
135°	217.0	217.4	218.2	218.9	219.9	220.7	221.8	222.7	225.2	227.2	229.7
137.5°	216.0	216.5	217.4	218.3	219.5	220.5	221.7	222.8	224.7	226.6	228.5
140°	217.8	218.2	219.1	219.9	220.8	221.6	222.8	223.7	225.5	227.0	228.5
142.5°	220.0	220.4	221.2	221.9	222.8	223.6	224.6	225.4	226.6	227.8	229.3
145°	223.9	224.4	225.1	225.5	226.3	227.0	227.8	228.5	229.5	230.2	231.2
147.5°	226.5	226.8	227.3	227.9	228.5	229.0	229.5	230.0	230.8	231.4	232.1
150°	227.9	228.0	228.4	228.7	229.2	229.6	230.2	230.4	231.1	231.6	232.3
152.5°	227.4	227.5	227.9	228.1	228.6	228.9	229.2	229.6	230.3	230.6	231.3
155°	227.3	227.8	228.1	228.5	229.0	229.2	229.7	230.0	230.5	230.9	231.4
157.5°	228.5	228.8	229.2	229.5	229.9	230.3	230.7	231.0	231.5	231.8	232.2
160°	229.3	229.7	230.2	230.5	231.1	231.4	232.0	232.5	232.9	233.2	233.6
162.5°	231.6	232.0	232.4	232.7	233.1	233.5	233.8	234.2	234.8	235.2	235.7
165°	233.4	233.8	234.5	234.7	235.3	235.8	236.2	236.7	237.0	237.4	237.8
167.5°	236.6	236.9	237.5	237.8	238.3	238.7	239.2	239.6	240.0	240.3	240.6
170°	238.9	239.3	239.7	240.0	240.3	240.7	241.1	241.5	241.9	242.3	242.7
172.5°	242.3	242.6	242.8	242.9	243.3	243.6	243.9	244.2	244.5	244.8	245.2
175°	245.1	245.1	245.2	245.2	245.4	245.4	245.5	245.7	245.8	245.9	246.0
177.5°	246.6	246.7	246.8	246.8	246.9	247.0	247.1	247.2	247.2	247.2	247.2
180°	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0



TEST NUMBER: P1444675
 CATALOG NUMBER: EHBR1-36-UNV-TA-L930-UPL15

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0
2.5°	28005.3	28006.5	27983.9	27982.8	27961.5	27958.9	27938.3	27932.0	27915.2	27909.1	27892.1
5°	28855.0	28827.5	28763.9	28726.5	28663.7	28622.1	28554.1	28509.7	28444.1	28394.5	28328.5
7.5°	29714.3	29671.6	29600.2	29542.3	29455.2	29385.6	29283.5	29200.0	29089.5	28993.8	28877.8
10°	29966.3	29959.7	29941.6	29915.1	29874.6	29828.9	29759.5	29687.1	29590.3	29485.0	29356.1
12.5°	29346.2	29413.2	29504.5	29558.6	29624.4	29653.3	29680.3	29673.5	29655.8	29602.6	29528.0
15°	27775.4	27963.5	28212.7	28405.8	28627.9	28789.3	28967.6	29078.8	29189.6	29240.8	29272.1
17.5°	25276.5	25632.7	26079.5	26449.7	26876.9	27220.0	27596.2	27879.3	28170.4	28379.0	28567.7
20°	22066.7	22582.9	23214.7	23772.9	24421.9	24986.0	25604.1	26111.5	26634.8	27044.0	27431.3
22.5°	18585.1	19198.2	19962.1	20669.7	21506.4	22258.4	23106.9	23845.3	24616.3	25260.4	25883.2
25°	15161.6	15833.9	16669.1	17458.7	18406.3	19281.0	20287.2	21207.5	22204.1	23069.3	23924.0
27.5°	12035.4	12695.4	13548.2	14388.6	15390.7	16322.7	17400.8	18414.9	19549.5	20595.8	21666.2
30°	9465.9	10025.8	10790.4	11604.4	12592.8	13541.2	14631.0	15673.9	16854.2	17996.7	19202.4
32.5°	7499.6	7926.1	8527.2	9215.5	10127.4	11030.3	12068.0	13074.7	14237.1	15391.2	16645.1
35°	5956.0	6288.7	6747.0	7284.2	8056.4	8834.7	9752.5	10668.1	11752.5	12847.6	14066.5
37.5°	4696.7	4966.6	5325.5	5729.0	6348.5	6987.2	7739.8	8498.8	9441.1	10411.8	11516.4
40°	3667.6	3886.1	4165.5	4466.5	4934.2	5426.3	6008.4	6597.0	7354.0	8147.4	9061.5
42.5°	2881.1	3042.4	3239.8	3459.7	3896.1	4157.3	4552.0	4977.7	5534.3	6110.3	6797.5
45°	2313.8	2423.8	2560.7	2708.2	2910.7	3132.4	3402.7	3686.1	4214.9	4474.2	4892.2
47.5°	1932.3	2006.1	2093.2	2186.1	2305.6	2434.5	2594.8	2758.7	2970.7	3190.4	3448.0
50°	1675.3	1750.4	1780.2	1828.4	1897.6	1971.2	2061.6	2151.9	2265.6	2380.9	2513.5
52.5°	1484.5	1509.1	1541.6	1572.1	1615.0	1698.9	1726.0	1773.2	1837.0	1899.3	1969.0
55°	1338.9	1354.9	1376.0	1394.5	1420.4	1445.2	1480.9	1512.4	1554.9	1592.5	1638.6
57.5°	1225.6	1235.7	1250.4	1262.6	1279.3	1293.2	1314.2	1331.3	1355.7	1377.0	1405.0
60°	1143.2	1150.0	1159.8	1167.7	1178.4	1185.7	1196.1	1204.1	1217.0	1227.8	1243.4
62.5°	1076.0	1079.4	1085.9	1090.5	1097.3	1101.0	1106.5	1110.0	1117.1	1122.6	1131.3
65°	995.2	996.0	1000.3	1002.3	1007.6	1009.6	1014.1	1015.7	1021.6	1025.6	1033.3
67.5°	929.1	927.2	927.3	925.8	926.5	924.9	925.4	923.8	926.1	927.3	933.2
70°	868.7	866.1	865.3	862.5	861.6	858.8	858.0	855.4	855.1	854.3	856.4
72.5°	809.8	809.1	809.3	807.4	807.2	805.2	805.3	804.1	805.4	806.0	808.7
75°	742.1	742.3	743.7	742.0	742.4	740.8	741.4	739.9	740.7	740.4	743.0
77.5°	659.8	661.8	665.3	664.6	665.8	663.9	664.7	662.6	663.2	661.8	662.7
80°	567.1	571.2	576.0	575.9	577.9	576.6	578.4	576.4	577.2	574.7	574.1
82.5°	457.2	460.6	465.8	466.0	470.5	471.3	476.3	476.1	479.3	477.3	475.9
85°	312.5	314.9	319.4	321.9	326.5	329.4	334.2	336.1	332.7	339.0	334.0
87.5°	163.2	169.2	165.8	173.8	171.9	179.9	178.2	185.6	184.1	190.5	189.7
90°	49.1	49.4	54.1	54.6	60.3	61.5	65.1	63.5	66.9	65.6	69.0
92.5°	35.5	38.0	40.3	42.6	44.8	47.2	45.0	42.9	40.8	38.8	36.5
95°	47.7	51.0	54.4	57.7	61.0	64.4	60.9	57.3	53.7	50.1	46.5
97.5°	55.8	59.3	63.0	66.6	70.3	73.9	69.6	65.3	61.1	56.9	52.7
100°	77.8	84.9	91.9	98.8	105.9	112.8	105.0	97.0	89.2	81.3	73.3
102.5°	153.5	169.6	185.6	201.7	217.6	233.7	216.9	200.3	183.4	166.6	149.8
105°	283.9	309.6	335.2	360.8	386.4	412.3	385.1	357.8	330.6	303.5	276.2
107.5°	417.1	442.0	467.2	492.3	517.3	542.5	515.0	487.3	459.8	432.2	404.6
110°	493.9	508.9	524.1	539.4	554.5	569.8	549.7	529.7	509.6	489.5	469.5



TEST NUMBER: P1444675
 CATALOG NUMBER: EHBR1-36-UNV-TA-L930-UPL15

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	509.3	517.0	524.7	532.6	540.2	548.1	533.8	519.6	505.3	491.1	476.8
115°	479.4	482.0	484.8	487.5	490.1	492.9	483.4	473.9	464.4	454.8	445.2
117.5°	423.7	423.7	423.5	423.6	423.4	423.4	418.3	413.0	407.9	402.6	397.4
120°	367.4	365.9	364.3	362.8	361.1	359.4	357.4	355.5	353.4	351.4	349.2
122.5°	319.0	318.2	317.2	316.4	315.3	314.3	313.8	313.3	312.6	312.1	311.5
125°	281.6	282.0	282.4	282.8	283.2	283.6	283.6	283.6	283.4	283.4	283.1
127.5°	256.9	258.4	259.7	261.2	262.4	263.8	264.0	264.4	264.6	264.8	265.1
130°	242.7	245.0	246.9	249.0	250.9	253.0	253.1	253.3	253.4	253.5	253.8
132.5°	235.6	237.8	240.2	242.6	244.6	246.9	247.0	247.2	247.1	247.4	247.4
135°	231.9	234.1	236.2	238.5	240.3	242.5	242.5	242.7	242.5	242.7	242.7
137.5°	230.2	232.2	233.9	235.7	237.3	239.1	239.0	239.2	238.9	239.2	239.1
140°	229.9	231.5	232.9	234.4	235.8	237.2	237.0	237.0	236.7	236.6	236.3
142.5°	230.4	231.6	232.7	233.9	235.0	236.2	235.5	235.2	234.8	234.5	234.0
145°	232.1	232.9	233.7	234.6	235.1	236.1	235.4	235.0	234.2	233.7	233.2
147.5°	232.8	233.4	233.7	234.5	234.7	235.4	234.8	234.2	233.7	232.9	232.3
150°	232.7	233.3	233.7	234.2	234.6	235.2	234.5	233.7	232.9	232.3	231.6
152.5°	231.8	232.1	232.6	232.9	233.4	233.7	232.9	232.5	231.7	230.9	230.1
155°	231.7	232.1	232.4	232.8	232.9	233.2	232.5	232.1	231.3	230.8	230.1
157.5°	232.5	232.9	233.2	233.5	233.7	233.9	233.6	233.1	232.6	232.1	231.6
160°	233.9	234.2	234.5	234.7	235.0	235.2	234.7	234.5	234.1	233.7	233.1
162.5°	236.1	236.4	236.8	237.0	237.4	237.8	237.3	236.9	236.4	236.0	235.3
165°	238.0	238.4	238.6	239.0	239.1	239.4	239.0	238.9	238.5	238.2	237.8
167.5°	240.9	241.2	241.5	241.8	241.9	242.0	241.8	241.7	241.2	241.0	240.5
170°	242.9	243.2	243.5	243.8	244.1	244.3	244.1	243.9	243.5	243.3	243.0
172.5°	245.4	245.6	245.7	246.0	246.1	246.4	246.1	245.9	245.6	245.2	245.0
175°	246.0	246.1	246.3	246.3	246.3	246.4	246.1	245.9	245.7	245.4	245.2
177.5°	247.2	247.2	247.2	247.1	247.1	247.1	246.9	246.8	246.6	246.4	246.2
180°	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0



TEST NUMBER: P1444675
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CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0	27712.0
2.5°	27886.1	27873.9	27866.1	27856.2	27850.2	27842.4	27836.8	27832.0	27828.1	27824.5	27821.8
5°	28278.2	28215.9	28167.5	28115.1	28072.0	28029.2	27996.0	27968.7	27949.8	27935.6	27927.1
7.5°	28777.5	28663.3	28561.9	28455.1	28359.3	28265.2	28184.0	28114.1	28061.6	28027.6	28007.0
10°	29223.3	29070.6	28919.5	28760.4	28609.8	28463.4	28328.5	28209.8	28115.8	28053.3	28016.9
12.5°	29423.1	29293.0	29138.7	28966.1	28781.3	28594.4	28412.2	28247.9	28110.0	28017.4	27964.0
15°	29247.1	29193.7	29089.0	28955.0	28779.7	28586.4	28372.4	28171.4	27986.4	27866.5	27796.9
17.5°	28674.5	28749.1	28741.1	28689.9	28563.8	28401.1	28183.1	27957.3	27725.8	27565.5	27477.9
20°	27708.3	27942.7	28061.6	28122.6	28073.1	27967.6	27770.2	27541.0	27271.3	27061.9	26934.2
22.5°	26350.5	26764.2	27022.1	27210.8	27250.9	27214.9	27040.6	26822.6	26522.0	26270.3	26081.7
25°	24602.4	25208.7	25616.2	25935.7	26059.8	26091.8	25943.6	25726.7	25391.6	25098.5	24839.3
27.5°	22543.5	23331.3	23875.4	24304.7	24498.5	24582.5	24446.0	24224.8	23828.4	23478.4	23139.9
30°	20225.6	21160.2	21815.4	22330.1	22566.3	22677.4	22532.3	22285.4	21824.1	21403.0	20976.5
32.5°	17744.6	18767.4	19481.3	20040.3	20274.4	20378.8	20189.1	19911.8	19378.6	18882.5	18385.3
35°	15147.2	16179.4	16899.4	17443.5	17639.7	17702.7	17460.1	17139.5	16548.8	16004.3	15462.1
37.5°	12496.8	13457.2	14111.5	14599.9	14721.3	14732.1	14439.8	14085.9	13464.9	12928.0	12388.3
40°	9869.4	10679.2	11207.6	11598.4	11640.6	11603.0	11285.2	10928.9	10348.0	9867.1	9393.2
42.5°	7394.4	8005.7	8382.7	8650.6	8634.6	8560.4	8269.0	7962.8	7483.5	7117.2	6744.2
45°	5274.0	5677.2	5897.6	6054.3	6004.0	5933.2	5706.4	5491.8	5166.1	4929.5	4678.9
47.5°	3663.9	4145.3	4061.5	4368.0	4104.0	4278.4	3915.2	3715.0	3542.2	3416.4	3274.8
50°	2623.1	2733.4	2786.7	2823.0	2803.7	2776.9	2711.6	2653.4	2574.4	2516.8	2449.8
52.5°	2025.7	2080.9	2111.1	2132.9	2128.7	2118.9	2090.4	2064.4	2027.5	2003.1	1973.8
55°	1715.9	1716.7	1772.3	1748.4	1783.6	1742.4	1758.6	1712.9	1720.3	1681.0	1654.7
57.5°	1425.8	1448.5	1458.6	1468.4	1465.7	1464.0	1452.9	1447.4	1435.0	1431.2	1422.3
60°	1254.2	1266.0	1268.5	1273.0	1269.2	1267.7	1259.2	1256.1	1247.8	1246.2	1240.4
62.5°	1136.6	1142.6	1142.6	1142.6	1137.6	1132.9	1123.4	1118.4	1111.3	1109.7	1106.3
65°	1038.4	1044.6	1045.7	1047.0	1043.3	1039.7	1031.2	1025.8	1018.5	1015.7	1011.8
67.5°	936.9	943.6	945.9	949.3	947.3	946.5	940.8	938.6	933.8	932.7	929.1
70°	857.4	860.1	859.9	859.9	855.3	851.3	844.6	841.4	836.4	835.4	832.1
72.5°	810.0	812.0	810.8	809.0	803.2	797.2	789.4	783.7	777.1	773.0	768.3
75°	743.4	746.0	744.3	743.2	738.0	734.0	727.8	724.6	720.0	718.6	715.4
77.5°	661.5	662.7	660.1	659.8	655.8	653.3	648.6	647.8	644.4	644.5	641.4
80°	570.4	569.7	565.4	564.5	560.5	559.5	555.8	556.1	553.4	554.5	552.3
82.5°	469.4	466.8	461.2	459.5	454.8	454.5	452.0	454.0	452.4	454.8	453.4
85°	336.3	337.1	334.6	334.6	333.3	333.6	333.5	335.0	335.2	337.5	337.4
87.5°	187.5	190.2	189.7	192.1	192.0	194.8	195.8	199.9	200.4	204.2	204.2
90°	67.6	71.5	70.0	74.0	73.5	77.7	78.1	82.3	82.1	85.6	84.6
92.5°	34.4	32.3	30.3	28.1	27.0	25.7	25.0	23.5	22.7	21.4	20.3
95°	42.9	39.3	35.6	32.1	30.8	29.5	28.3	27.1	25.8	24.6	23.4
97.5°	48.4	44.2	39.9	35.6	34.6	33.5	32.3	31.3	30.2	29.1	28.1
100°	65.3	57.4	49.5	41.5	40.6	39.7	38.9	38.0	37.0	36.0	35.1
102.5°	133.0	116.1	99.3	82.4	79.2	76.0	72.9	69.6	66.4	63.2	60.1
105°	248.9	221.6	194.4	167.0	158.4	149.6	141.0	132.2	123.5	114.9	106.2
107.5°	376.9	349.1	321.4	293.7	277.8	261.7	245.7	229.6	213.6	197.5	181.4
110°	449.3	429.2	408.9	388.6	375.9	363.0	350.0	337.1	324.3	311.2	298.3



TEST NUMBER: P1444675
 CATALOG NUMBER: EHBR1-36-UNV-TA-L930-UPL15

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	462.3	448.1	433.6	419.1	413.4	407.5	401.8	395.9	390.1	384.1	378.4
115°	435.6	426.0	416.3	406.4	404.7	402.6	400.7	398.6	396.6	394.5	392.5
117.5°	392.1	386.8	381.4	376.1	376.6	377.0	377.5	377.8	378.3	378.6	378.8
120°	347.1	345.0	342.9	340.8	342.7	344.7	346.7	348.3	350.3	351.9	353.6
122.5°	310.9	310.1	309.6	308.8	311.3	313.6	315.9	318.1	320.3	322.2	324.4
125°	283.1	282.8	282.8	282.5	285.1	287.4	289.8	291.9	294.3	296.2	298.3
127.5°	265.4	265.6	265.9	266.0	268.1	269.7	271.4	273.0	274.6	276.0	277.4
130°	253.9	254.0	254.2	254.2	256.0	257.6	259.4	260.8	262.3	263.4	264.7
132.5°	247.6	247.6	247.7	247.6	249.2	250.3	251.7	252.6	253.8	254.5	255.4
135°	242.7	242.6	242.7	242.6	243.9	245.2	246.4	247.3	248.4	249.1	249.8
137.5°	239.2	239.0	239.0	238.9	240.2	241.3	242.3	243.3	244.1	245.0	245.5
140°	236.3	236.0	236.0	235.7	236.9	237.8	238.9	239.6	240.6	241.1	241.7
142.5°	233.7	233.0	232.9	232.3	233.2	233.9	234.6	235.3	235.9	236.3	236.7
145°	232.7	231.9	231.4	230.8	231.4	232.1	232.6	233.2	233.6	233.8	234.1
147.5°	231.8	231.1	230.4	229.7	230.4	230.8	231.2	231.4	231.9	232.1	232.2
150°	230.9	230.0	229.2	228.4	228.8	229.1	229.4	229.7	230.0	230.0	230.2
152.5°	229.4	228.6	227.8	226.9	227.2	227.3	227.5	227.6	227.7	227.8	227.9
155°	229.5	228.7	228.0	227.2	227.4	227.5	227.5	227.6	227.5	227.5	227.4
157.5°	231.0	230.3	229.8	229.1	229.1	229.1	229.0	228.8	228.7	228.4	228.2
160°	232.8	232.1	231.7	231.1	231.0	230.9	230.8	230.5	230.4	230.1	229.8
162.5°	234.8	234.3	233.6	232.9	232.9	232.9	232.7	232.4	232.1	231.9	231.6
165°	237.5	237.0	236.6	236.0	235.9	235.6	235.5	235.1	234.9	234.5	234.2
167.5°	240.2	239.7	239.3	238.6	238.6	238.6	238.5	238.3	238.0	237.8	237.6
170°	242.7	242.2	241.9	241.5	241.3	241.2	241.0	240.8	240.4	240.3	240.0
172.5°	244.5	244.2	243.8	243.3	243.3	243.1	242.9	242.8	242.6	242.3	242.2
175°	244.8	244.6	244.2	243.9	243.7	243.6	243.5	243.5	243.3	243.2	242.9
177.5°	246.0	245.9	245.5	245.3	245.2	245.2	245.1	245.0	245.0	244.9	244.8
180°	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0



TEST NUMBER: P1444675
 CATALOG NUMBER: EHBR1-36-UNV-TA-L930-UPL15

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	27712.0	27712.0
2.5°	27819.3	27817.9
5°	27922.8	27921.1
7.5°	28001.4	28000.9
10°	28010.6	28015.5
12.5°	27954.8	27958.7
15°	27791.6	27799.2
17.5°	27479.5	27489.5
20°	26942.0	26952.4
22.5°	26071.5	26075.8
25°	24805.8	24787.9
27.5°	23080.4	23049.5
30°	20887.0	20857.1
32.5°	18271.8	18253.1
35°	15328.0	15316.3
37.5°	12228.7	12204.7
40°	9219.9	9149.9
42.5°	6581.0	6458.0
45°	4548.0	4402.3
47.5°	3175.0	3084.9
50°	2406.5	2377.5
52.5°	1961.0	1954.2
55°	1654.6	1651.5
57.5°	1424.3	1423.2
60°	1243.4	1243.1
62.5°	1108.6	1109.1
65°	1013.6	1013.8
67.5°	930.0	929.4
70°	833.3	832.6
72.5°	766.8	765.7
75°	715.4	714.7
77.5°	642.3	641.2
80°	553.8	552.3
82.5°	455.5	453.9
85°	339.7	339.9
87.5°	207.9	207.8
90°	88.0	86.4
92.5°	19.5	18.6
95°	22.2	20.9
97.5°	27.0	25.9
100°	34.2	33.3
102.5°	56.9	53.6
105°	97.5	88.8
107.5°	165.4	149.4
110°	285.3	272.4



TEST NUMBER: P1444675
CATALOG NUMBER: EHBR1-36-UNV-TA-L930-UPL15

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	372.3	366.4
115°	390.1	388.0
117.5°	379.0	379.1
120°	355.1	356.7
122.5°	326.1	327.9
125°	300.0	301.8
127.5°	278.5	279.6
130°	265.5	266.5
132.5°	255.9	256.3
135°	250.2	250.6
137.5°	245.8	246.1
140°	241.8	242.1
142.5°	236.9	237.0
145°	234.3	234.4
147.5°	232.0	232.1
150°	230.1	230.1
152.5°	227.6	227.6
155°	227.2	227.1
157.5°	227.8	227.6
160°	229.5	229.2
162.5°	231.3	231.0
165°	233.7	233.3
167.5°	237.2	237.0
170°	239.6	239.4
172.5°	241.9	241.7
175°	242.8	242.7
177.5°	244.8	244.6
180°	246.0	246.0

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-5

Test Date: 08/01/2025

Luminaire Tested: EHBR-60-L930-N

Data in this report applies to families of products including EHBR-60-L930-N

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-5
 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-L930-N**
 Description: Elevate Round Highbay at, 60000 lumens, 3000K 90CRI LEDs with N lens

Spectral Parameters

CCT (K): 2996
 CIE u': 0.2519
 CIE v': 0.5169
 Duv: -0.0033
 CIE x: 0.4325
 CIE y: 0.3945
 CIE z: 0.1730
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 584
 Purity: 48.21818
 Rf: 91.3
 Rg: 102

CRI (Ra):	94.4		
R1:	96.8	R9:	61.4
R2:	98.1	R10:	94.4
R3:	97.8	R11:	95.7
R4:	95.6	R12:	88.5
R5:	96.9	R13:	97.3
R6:	95.7	R14:	97.8
R7:	90.9	R15:	92.3
R8:	83.0		



Test Conditions

Stabilization Time: 40M
 Operation Time: 1H 40M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-5

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

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CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 3000K 7-step quadrangle

REPORT NUMBER: SP1-2506-472-5

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	101	NR	620	317	NR	750	7	NR	880	0	NR
365	0	NR	495	121	NR	625	320	NR	755	6	NR	885	0	NR
370	0	NR	500	141	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	158	NR	635	651	NR	765	4	NR	895	0	NR
380	0	NR	510	171	NR	640	207	NR	770	4	NR	900	0	NR
385	0	NR	515	182	NR	645	201	NR	775	3	NR	905	0	NR
390	0	NR	520	189	NR	650	174	NR	780	3	NR	910	0	NR
395	1	NR	525	194	NR	655	146	NR	785	2	NR	915	0	NR
400	1	NR	530	199	NR	660	124	NR	790	2	NR	920	0	NR
405	3	NR	535	205	NR	665	105	NR	795	2	NR	925	0	NR
410	4	NR	540	210	NR	670	96	NR	800	1	NR	930	0	NR
415	7	NR	545	216	NR	675	79	NR	805	1	NR	935	0	NR
420	13	NR	550	222	NR	680	67	NR	810	1	NR	940	0	NR
425	22	NR	555	230	NR	685	58	NR	815	1	NR	945	0	NR
430	37	NR	560	240	NR	690	49	NR	820	1	NR	950	0	NR
435	60	NR	565	248	NR	695	42	NR	825	1	NR	955	0	NR
440	101	NR	570	258	NR	700	36	NR	830	1	NR	960	0	NR
445	172	NR	575	268	NR	705	30	NR	835	1	NR	965	0	NR
450	223	NR	580	278	NR	710	26	NR	840	1	NR	970	0	NR
455	167	NR	585	287	NR	715	22	NR	845	0	NR	975	0	NR
460	126	NR	590	295	NR	720	19	NR	850	0	NR	980	0	NR
465	111	NR	595	298	NR	725	16	NR	855	0	NR	985	0	NR
470	86	NR	600	303	NR	730	14	NR	860	0	NR	990	0	NR
475	74	NR	605	307	NR	735	12	NR	865	0	NR	995	0	NR
480	77	NR	610	341	NR	740	10	NR	870	0	NR	1000	0	NR
485	86	NR	615	368	NR	745	8	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-5

Scotopic Flux vs. Wavelength



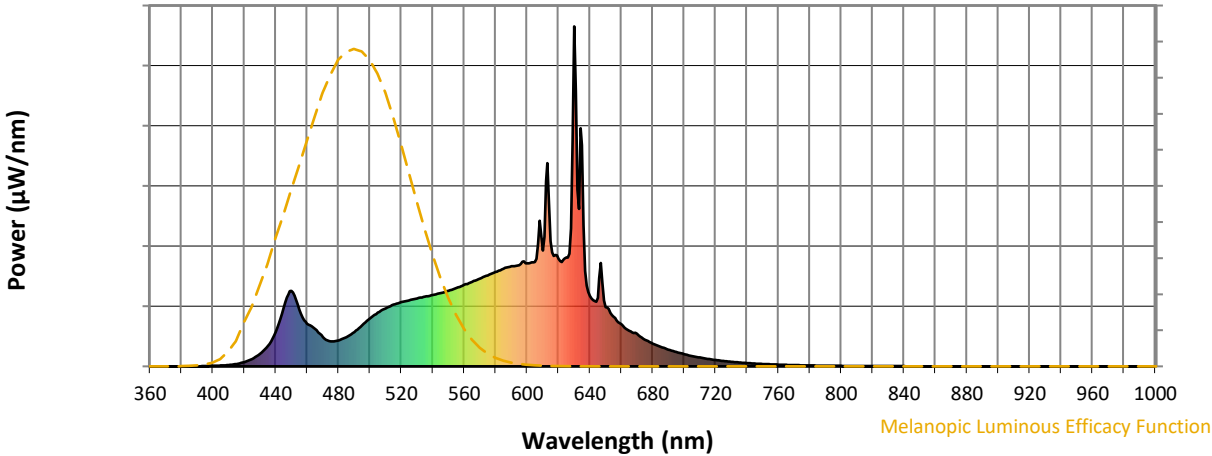
Scotopic Lumens: NR

S/P: 1.44

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	101	NR	620	317	NR	750	7	NR	880	0	NR
365	0	NR	495	121	NR	625	320	NR	755	6	NR	885	0	NR
370	0	NR	500	141	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	158	NR	635	651	NR	765	4	NR	895	0	NR
380	0	NR	510	171	NR	640	207	NR	770	4	NR	900	0	NR
385	0	NR	515	182	NR	645	201	NR	775	3	NR	905	0	NR
390	0	NR	520	189	NR	650	174	NR	780	3	NR	910	0	NR
395	1	NR	525	194	NR	655	146	NR	785	2	NR	915	0	NR
400	1	NR	530	199	NR	660	124	NR	790	2	NR	920	0	NR
405	3	NR	535	205	NR	665	105	NR	795	2	NR	925	0	NR
410	4	NR	540	210	NR	670	96	NR	800	1	NR	930	0	NR
415	7	NR	545	216	NR	675	79	NR	805	1	NR	935	0	NR
420	13	NR	550	222	NR	680	67	NR	810	1	NR	940	0	NR
425	22	NR	555	230	NR	685	58	NR	815	1	NR	945	0	NR
430	37	NR	560	240	NR	690	49	NR	820	1	NR	950	0	NR
435	60	NR	565	248	NR	695	42	NR	825	1	NR	955	0	NR
440	101	NR	570	258	NR	700	36	NR	830	1	NR	960	0	NR
445	172	NR	575	268	NR	705	30	NR	835	1	NR	965	0	NR
450	223	NR	580	278	NR	710	26	NR	840	1	NR	970	0	NR
455	167	NR	585	287	NR	715	22	NR	845	0	NR	975	0	NR
460	126	NR	590	295	NR	720	19	NR	850	0	NR	980	0	NR
465	111	NR	595	298	NR	725	16	NR	855	0	NR	985	0	NR
470	86	NR	600	303	NR	730	14	NR	860	0	NR	990	0	NR
475	74	NR	605	307	NR	735	12	NR	865	0	NR	995	0	NR
480	77	NR	610	341	NR	740	10	NR	870	0	NR	1000	0	NR
485	86	NR	615	368	NR	745	8	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.85

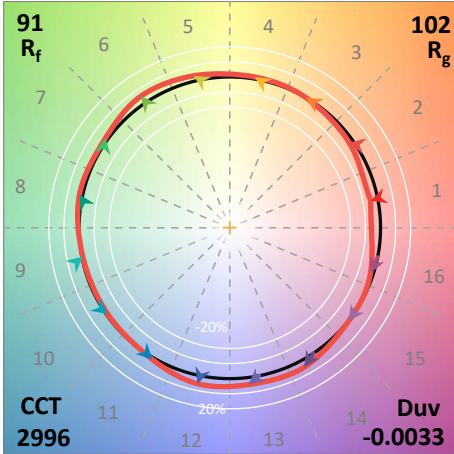
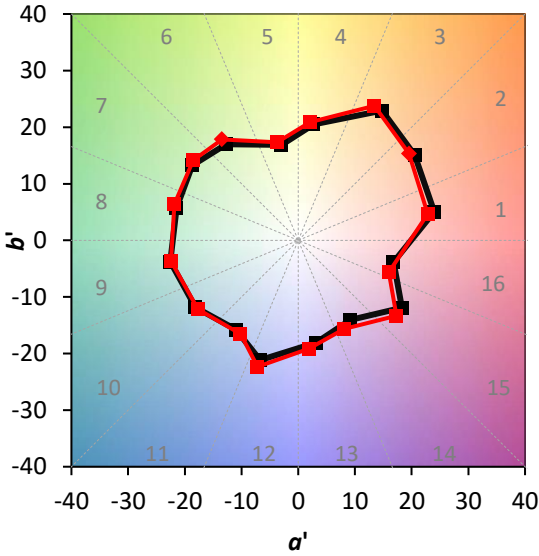
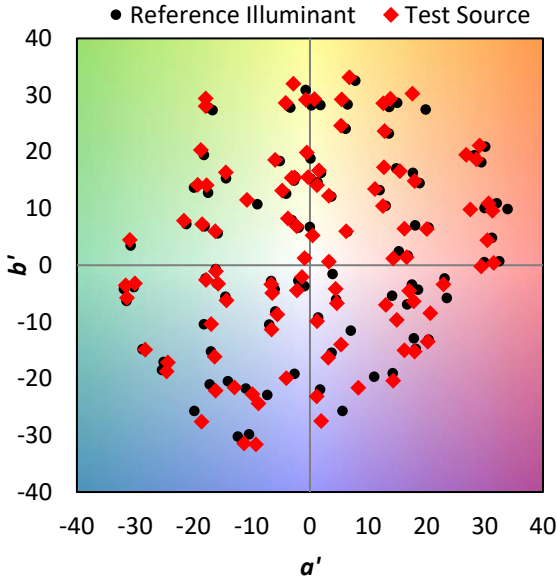
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	101	NR	620	317	NR	750	7	NR	880	0	NR
365	0	NR	495	121	NR	625	320	NR	755	6	NR	885	0	NR
370	0	NR	500	141	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	158	NR	635	651	NR	765	4	NR	895	0	NR
380	0	NR	510	171	NR	640	207	NR	770	4	NR	900	0	NR
385	0	NR	515	182	NR	645	201	NR	775	3	NR	905	0	NR
390	0	NR	520	189	NR	650	174	NR	780	3	NR	910	0	NR
395	1	NR	525	194	NR	655	146	NR	785	2	NR	915	0	NR
400	1	NR	530	199	NR	660	124	NR	790	2	NR	920	0	NR
405	3	NR	535	205	NR	665	105	NR	795	2	NR	925	0	NR
410	4	NR	540	210	NR	670	96	NR	800	1	NR	930	0	NR
415	7	NR	545	216	NR	675	79	NR	805	1	NR	935	0	NR
420	13	NR	550	222	NR	680	67	NR	810	1	NR	940	0	NR
425	22	NR	555	230	NR	685	58	NR	815	1	NR	945	0	NR
430	37	NR	560	240	NR	690	49	NR	820	1	NR	950	0	NR
435	60	NR	565	248	NR	695	42	NR	825	1	NR	955	0	NR
440	101	NR	570	258	NR	700	36	NR	830	1	NR	960	0	NR
445	172	NR	575	268	NR	705	30	NR	835	1	NR	965	0	NR
450	223	NR	580	278	NR	710	26	NR	840	1	NR	970	0	NR
455	167	NR	585	287	NR	715	22	NR	845	0	NR	975	0	NR
460	126	NR	590	295	NR	720	19	NR	850	0	NR	980	0	NR
465	111	NR	595	298	NR	725	16	NR	855	0	NR	985	0	NR
470	86	NR	600	303	NR	730	14	NR	860	0	NR	990	0	NR
475	74	NR	605	307	NR	735	12	NR	865	0	NR	995	0	NR
480	77	NR	610	341	NR	740	10	NR	870	0	NR	1000	0	NR
485	86	NR	615	368	NR	745	8	NR	875	0	NR			

Summary

$R_f = 91.3$
 $R_g = 102$
 $CIE R_a = 94.4$
 $R_9 = 61.4$

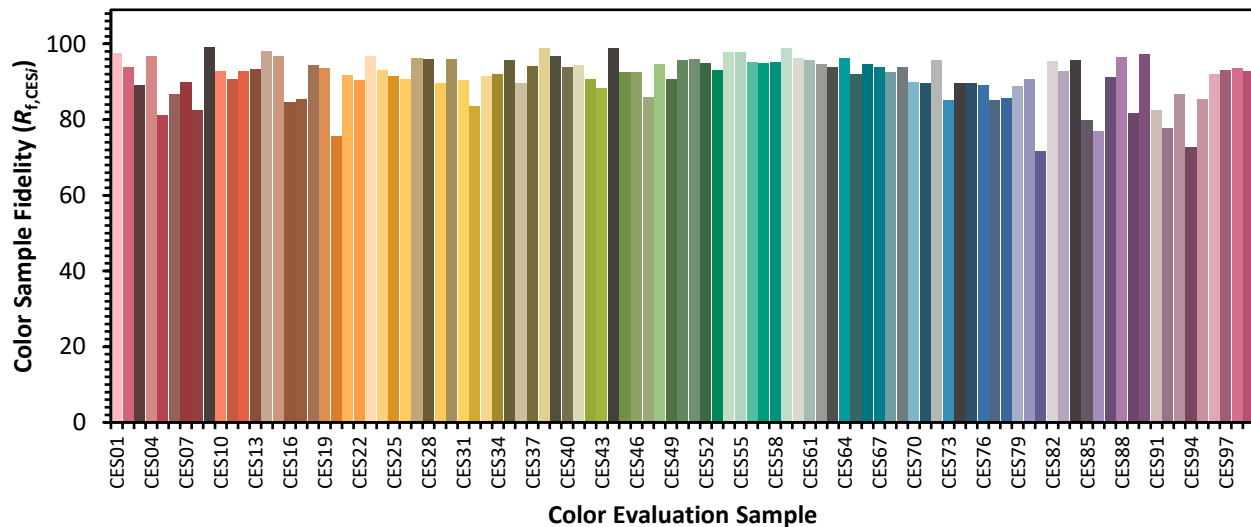


Color Vector Graphics

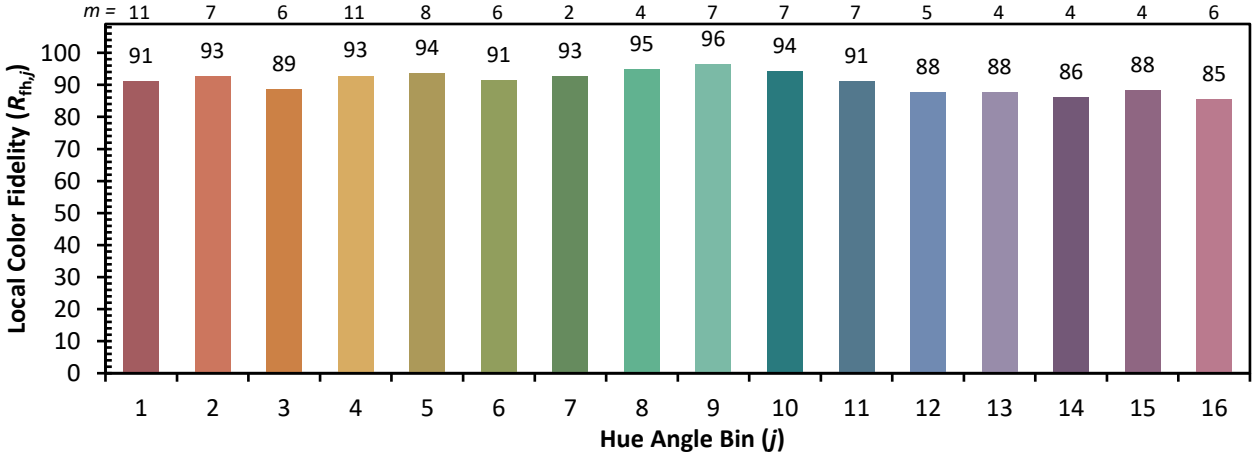


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 91	CES51 = 96	CES76 = 89
CES02 = 63	CES27 = 96	CES52 = 95	CES77 = 85
CES03 = 32	CES28 = 96	CES53 = 93	CES78 = 86
CES04 = 70	CES29 = 90	CES54 = 98	CES79 = 89
CES05 = 51	CES30 = 96	CES55 = 98	CES80 = 91
CES06 = 51	CES31 = 90	CES56 = 95	CES81 = 72
CES07 = 44	CES32 = 84	CES57 = 95	CES82 = 95
CES08 = 42	CES33 = 91	CES58 = 95	CES83 = 93
CES09 = 29	CES34 = 92	CES59 = 99	CES84 = 96
CES10 = 76	CES35 = 96	CES60 = 96	CES85 = 80
CES11 = 59	CES36 = 90	CES61 = 96	CES86 = 77
CES12 = 65	CES37 = 94	CES62 = 95	CES87 = 91
CES13 = 44	CES38 = 99	CES63 = 94	CES88 = 96
CES14 = 74	CES39 = 97	CES64 = 96	CES89 = 82
CES15 = 72	CES40 = 94	CES65 = 92	CES90 = 97
CES16 = 48	CES41 = 94	CES66 = 95	CES91 = 82
CES17 = 50	CES42 = 91	CES67 = 94	CES92 = 78
CES18 = 57	CES43 = 88	CES68 = 93	CES93 = 87
CES19 = 72	CES44 = 99	CES69 = 94	CES94 = 73
CES20 = 67	CES45 = 93	CES70 = 90	CES95 = 85
CES21 = 86	CES46 = 93	CES71 = 90	CES96 = 92
CES22 = 79	CES47 = 86	CES72 = 96	CES97 = 93
CES23 = 92	CES48 = 95	CES73 = 85	CES98 = 94
CES24 = 91	CES49 = 91	CES74 = 90	CES99 = 93
CES25 = 72	CES50 = 96	CES75 = 90	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)