

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: P1444830

Luminaire Tested: EHBR1-42-UNV-TA-L940-UPL30

Issue Date: 5/1/2026

**Test Information**

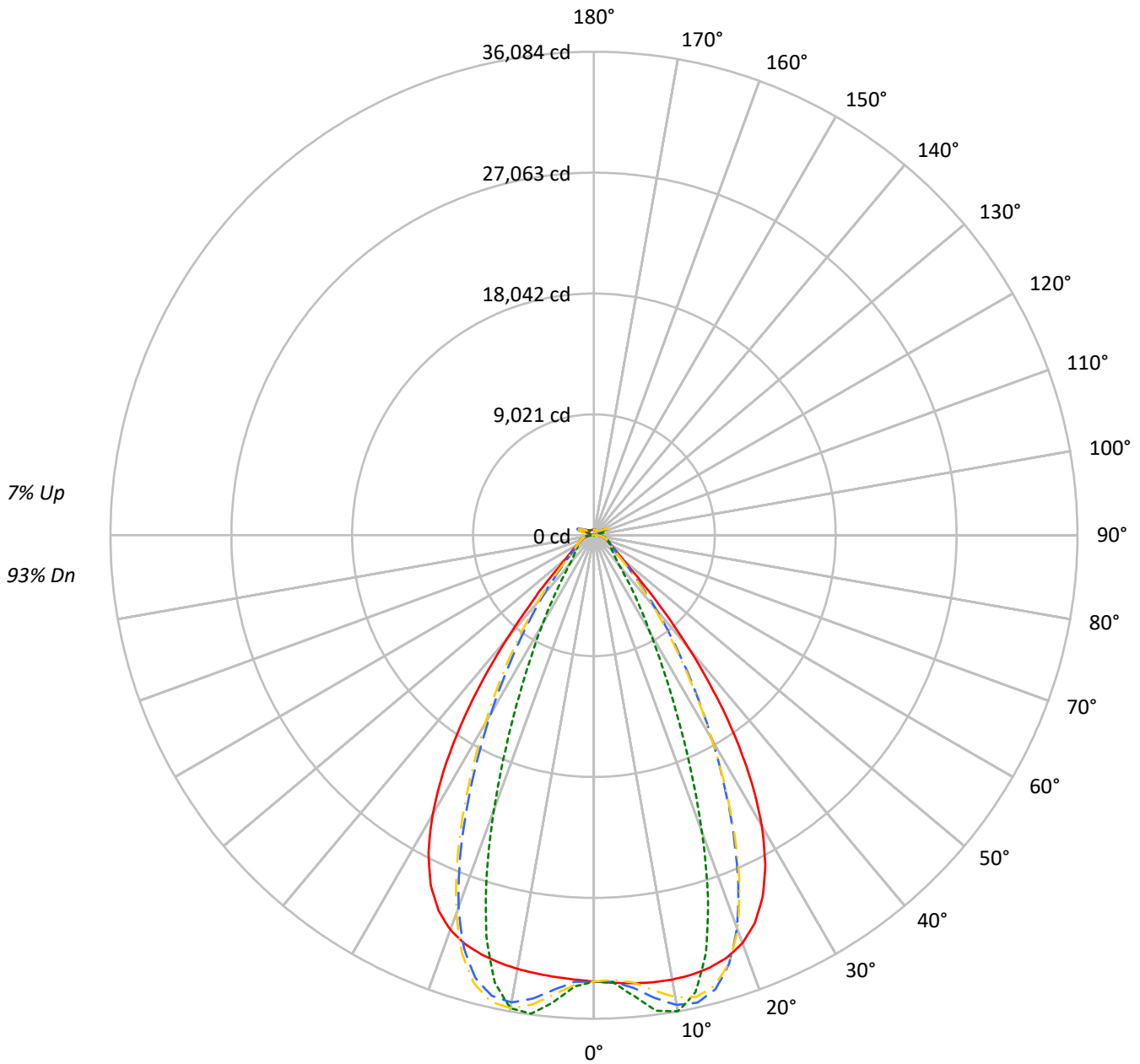
Test Method: LM-79-2019  
Report Number: P1444830  
REPORT IS A COMBINATION OF REPORTS P1444341 AND P1431635  
Test Lab: INNOVATION CENTER  
Issue Date: 5/1/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: EHBR1-42-UNV-TA-L940-UPL30  
Description: Elevate Round Highbay at, 42000 lumens, 4000K 90CRI LEDs with TA lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 41404.2 lumens  
Efficiency: N/A  
Efficacy: 168.0 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 0.77 / 0.88  
Luminous Opening: Vertical Cylinder (Dia: 1.71' x H: 0.1')  
CIE Type: Direct  
  
Input Watts (W): 246.4  
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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CATALOG NUMBER: EHBR1-42-UNV-TA-L940-UPL30

### Luminous Intensity Polar Plot



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



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	95	95	95	93
1	110	107	104	101	107	104	101	98	98	96	94	93	92	90	89	87	86	86	86	86	84
2	103	97	92	88	100	95	91	87	90	87	84	86	83	81	82	80	78	78	78	78	76
3	97	89	83	79	94	87	82	78	84	79	75	80	76	73	77	74	71	71	71	71	69
4	91	82	76	71	89	81	75	70	77	72	68	75	70	67	72	68	65	65	65	65	63
5	86	76	70	65	84	75	69	64	72	67	63	70	65	61	67	63	60	60	60	60	58
6	81	71	64	59	79	70	63	59	67	62	58	65	60	57	63	59	56	56	56	56	54
7	76	66	59	55	75	65	59	54	63	57	53	61	56	53	59	55	52	52	52	52	50
8	72	62	55	51	71	61	55	50	59	53	50	57	52	49	56	51	48	48	48	48	47
9	69	58	51	47	67	57	51	47	56	50	46	54	49	46	53	48	45	45	45	45	44
10	65	54	48	44	64	54	48	44	52	47	43	51	46	43	50	45	42	42	42	42	41

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

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

**MAXIMUM LUMINANCE 45°-90°:**

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



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3282.6	7.9
10°-20°	9234.3	22.3
20°-30°	10517.1	25.4
30°-40°	7559.2	18.3
40°-50°	3486.3	8.4
50°-60°	1668.3	4.0
60°-70°	1217.3	2.9
70°-80°	924.8	2.2
80°-90°	425.7	1.0
90°-100°	88.4	0.2
100°-110°	505.2	1.2
110°-120°	933.2	2.3
120°-130°	571.7	1.4
130°-140°	368.6	0.9
140°-150°	274.2	0.7
150°-160°	191.7	0.5
160°-170°	115.9	0.3
170°-180°	39.7	0.1
0°-30°	23034.0	55.6
0°-40°	30593.2	73.9
0°-60°	35747.9	86.3
0°-90°	38315.6	92.5
90°-120°	1526.8	3.7
90°-150°	2741.3	6.6
90°-180°	3089.0	7.5
0°-180°	41404.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	33308	33308	33308	33308	33308	
5°	33560	34538	33090	34990	33560	3207
15°	33413	32299	32396	30998	33413	9414
25°	29794	14485	28809	13143	29794	13506
35°	18409	5020	17350	4447	18409	11298
45°	5291	2163	5204	2127	5291	4500
55°	1985	1520	1912	1506	1985	1832
65°	1218	1252	1172	1210	1218	1217
75°	859	939	813	897	859	893
85°	408	489	330	419	408	384
90°	113	142	34	42	113	70
95°	40	45	40	45	40	39
105°	182	235	123	235	182	241
115°	814	986	853	987	814	752
125°	614	642	694	644	614	559
135°	484	428	521	432	484	378
145°	432	418	459	423	432	273
155°	405	405	431	409	405	188
165°	404	403	419	406	404	115
175°	414	418	421	419	414	39
180°	419	419	419	419	419	



TEST NUMBER: P1444830  
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**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2
2.5°	33435.5	33432.8	33432.2	33429.9	33429.2	33429.2	33428.1	33425.4	33423.7	33419.9	33415.5
5°	33559.5	33558.0	33558.9	33559.1	33556.8	33551.5	33543.4	33533.5	33520.9	33509.0	33498.3
7.5°	33655.4	33657.7	33660.7	33660.1	33652.8	33640.6	33623.9	33614.5	33620.1	33638.3	33679.7
10°	33672.9	33687.3	33692.8	33691.1	33676.5	33666.0	33670.1	33705.4	33775.6	33869.3	33997.4
12.5°	33604.6	33622.2	33621.6	33615.7	33601.7	33616.0	33667.2	33772.2	33922.8	34107.5	34324.3
15°	33413.0	33435.6	33429.2	33421.8	33412.4	33459.4	33561.4	33743.9	33976.5	34237.0	34503.9
17.5°	33040.8	33068.2	33054.9	33046.3	33038.4	33126.5	33302.0	33569.1	33862.1	34156.8	34409.7
20°	32395.2	32413.5	32381.9	32366.9	32379.5	32552.2	32810.5	33151.8	33460.5	33739.3	33912.1
22.5°	31341.6	31364.4	31304.8	31297.9	31371.4	31636.7	31963.6	32345.1	32635.2	32856.1	32922.7
25°	29793.6	29816.0	29745.2	29787.5	29912.7	30274.0	30663.3	31071.3	31318.8	31482.5	31437.4
27.5°	27704.2	27724.7	27657.5	27743.9	27941.8	28416.6	28874.8	29317.3	29537.9	29652.6	29507.4
30°	25069.0	25111.6	25032.2	25152.8	25454.9	26071.3	26596.2	27092.5	27312.5	27399.8	27173.6
32.5°	21939.2	21999.8	21912.3	22091.7	22513.2	23253.6	23850.0	24404.5	24647.8	24747.4	24492.0
35°	18409.2	18496.1	18395.7	18665.1	19184.9	20009.4	20669.9	21288.9	21577.0	21718.2	21460.8
37.5°	14669.3	14752.1	14697.8	15057.2	15628.0	16482.6	17156.7	17824.6	18149.9	18361.9	18159.0
40°	10997.6	11073.4	11114.5	11525.5	12062.3	12867.8	13515.3	14176.1	14540.1	14806.1	14681.0
42.5°	7762.2	7838.6	7978.3	8374.8	8822.5	9489.3	10043.9	10637.2	10984.9	11268.7	11220.5
45°	5291.3	5380.1	5555.1	5879.8	6203.5	6681.9	7089.2	7550.6	7834.6	8094.6	8097.7
47.5°	3707.9	3770.2	3926.6	4148.3	4359.4	4958.2	4982.8	5209.6	5400.6	5594.8	5620.1
50°	2857.6	2895.1	2978.1	3101.6	3221.3	3376.7	3519.0	3683.4	3800.8	3907.4	3932.8
52.5°	2348.8	2372.6	2414.8	2481.7	2551.1	2635.6	2711.8	2802.0	2866.0	2923.0	2935.0
55°	1985.1	2004.8	2067.7	2080.4	2159.7	2175.1	2208.9	2263.8	2301.0	2335.2	2343.7
57.5°	1710.7	1725.0	1738.4	1766.9	1791.3	1826.9	1855.5	1894.9	1918.4	1943.0	1945.1
60°	1494.2	1504.5	1514.0	1533.8	1550.4	1575.1	1594.9	1621.7	1638.5	1657.0	1659.1
62.5°	1333.1	1340.5	1346.8	1359.8	1371.8	1390.8	1406.4	1428.8	1444.4	1458.8	1461.9
65°	1218.5	1223.9	1228.0	1237.9	1248.3	1264.4	1278.6	1296.9	1308.4	1319.4	1321.7
67.5°	1117.0	1122.3	1126.5	1135.4	1142.6	1154.7	1164.2	1177.9	1186.5	1195.3	1195.6
70°	1000.8	1005.6	1008.8	1017.2	1022.9	1033.4	1041.0	1053.3	1062.3	1072.0	1074.5
72.5°	920.3	923.1	927.5	935.1	943.1	954.2	964.4	977.3	988.0	998.2	1002.5
75°	859.1	862.4	865.2	871.7	877.3	886.7	894.4	906.1	915.4	926.3	931.6
77.5°	770.7	774.5	777.0	783.5	788.4	797.3	803.0	813.5	821.2	831.0	835.9
80°	663.9	667.4	669.2	675.3	679.2	687.5	693.1	703.1	709.5	719.4	725.2
82.5°	545.5	548.9	550.0	555.7	557.9	564.7	568.7	579.1	586.9	599.8	608.7
85°	408.4	409.7	411.7	410.2	418.5	419.0	428.4	430.0	442.4	445.6	459.7
87.5°	249.7	253.4	255.3	261.0	263.5	269.2	270.8	276.9	280.2	287.1	290.3
90°	112.9	119.2	121.6	128.8	131.0	137.6	139.5	146.6	149.1	156.5	160.1
92.5°	35.6	37.8	40.0	42.6	44.9	47.9	50.6	53.1	55.5	58.4	63.1
95°	40.4	43.0	45.7	48.4	51.0	53.6	56.2	58.9	61.5	64.1	71.7
97.5°	50.6	52.9	55.2	57.5	59.7	62.0	64.3	66.6	68.8	71.1	80.2
100°	65.7	67.6	69.5	71.5	73.4	75.3	77.2	79.2	81.1	83.0	100.0
102.5°	108.1	114.9	121.8	128.6	135.5	142.1	149.2	155.8	162.7	169.5	205.4
105°	182.3	200.9	219.5	238.0	256.6	275.2	293.7	312.1	330.6	349.2	407.8
107.5°	310.5	344.8	379.2	413.6	447.9	482.2	516.6	550.8	585.1	619.2	678.6
110°	572.1	599.6	627.4	654.9	682.5	710.2	737.9	765.2	792.9	820.3	863.7



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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°	771.1	783.5	796.0	808.5	821.0	833.3	845.7	858.1	870.6	882.9	913.9
115°	814.3	818.5	823.0	827.2	831.6	835.8	840.2	844.4	848.6	852.7	873.7
117.5°	791.8	790.9	790.2	789.4	788.5	787.5	786.7	785.6	784.6	783.6	795.3
120°	739.9	735.9	732.2	728.1	724.3	720.1	716.2	712.1	708.1	703.8	708.8
122.5°	674.2	669.6	665.1	660.1	655.4	650.5	645.8	640.5	635.8	630.9	632.6
125°	613.7	608.9	604.5	599.5	594.6	589.5	584.6	579.6	574.6	569.5	570.4
127.5°	561.4	558.1	554.9	551.2	547.6	543.9	540.3	536.3	532.8	528.8	528.9
130°	528.2	525.4	522.2	518.9	515.8	512.2	508.9	505.3	501.9	498.2	498.5
132.5°	501.5	499.5	497.2	494.8	492.3	489.6	487.2	484.2	481.7	479.0	479.2
135°	484.3	482.1	480.3	477.9	475.7	473.0	470.5	467.9	465.4	462.6	463.1
137.5°	469.8	468.0	466.1	463.9	461.8	459.2	457.0	454.4	452.0	449.4	449.9
140°	456.6	454.9	453.2	451.1	449.2	447.1	444.8	442.4	440.2	437.8	438.6
142.5°	441.5	440.0	438.8	437.0	435.5	433.6	431.8	429.7	427.9	425.9	427.0
145°	432.1	430.9	429.8	428.4	426.9	425.1	423.6	421.7	420.2	418.4	419.5
147.5°	423.7	422.7	421.8	420.7	419.6	418.0	416.6	415.1	413.7	412.3	413.6
150°	416.5	415.7	414.8	413.8	412.5	411.2	409.8	408.5	407.2	405.7	407.0
152.5°	408.7	407.7	406.9	405.9	404.8	403.3	402.3	401.0	399.7	398.4	399.4
155°	404.6	403.6	402.6	401.7	400.6	399.4	398.1	397.0	395.9	394.5	395.3
157.5°	402.5	401.5	400.8	399.8	399.1	398.2	397.3	396.1	395.2	394.3	394.7
160°	402.4	401.5	400.7	399.8	398.9	397.9	397.2	396.0	395.4	394.4	394.7
162.5°	402.4	401.4	400.7	399.8	398.9	398.0	397.2	396.4	395.6	394.6	395.1
165°	403.8	403.3	402.7	402.1	401.4	400.9	400.2	399.5	398.8	398.1	398.5
167.5°	408.3	407.6	407.0	406.2	405.5	404.8	404.1	403.2	402.7	401.7	402.1
170°	410.5	409.9	409.6	409.2	408.6	408.2	407.8	407.3	406.8	406.3	406.7
172.5°	413.2	412.7	412.4	412.3	411.7	411.5	411.1	410.8	410.5	410.0	410.7
175°	413.7	413.4	413.3	413.0	412.7	412.5	412.3	412.2	412.2	411.8	412.1
177.5°	416.6	416.5	416.5	416.4	416.4	416.3	416.2	415.9	415.8	415.8	416.1
180°	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1



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**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2
2.5°	33412.4	33408.3	33402.8	33395.7	33389.6	33382.6	33366.0	33361.0	33366.5	33370.2	33377.9
5°	33491.7	33494.1	33494.9	33510.1	33523.2	33555.9	33812.2	33914.0	33992.8	34042.8	34118.7
7.5°	33731.1	33808.1	33884.2	33986.7	34075.1	34194.5	34642.9	34833.7	34969.3	35066.9	35186.9
10°	34136.7	34304.9	34462.5	34647.2	34805.9	34987.8	35405.1	35591.0	35708.4	35793.8	35873.6
12.5°	34545.3	34778.5	34989.3	35194.8	35366.6	35524.2	35671.0	35736.1	35741.6	35744.4	35702.0
15°	34758.1	34981.1	35166.7	35302.7	35403.6	35448.3	35195.6	35063.0	34895.5	34757.6	34530.5
17.5°	34623.9	34757.6	34837.8	34829.8	34788.1	34648.4	33932.7	33539.0	33148.1	32796.0	32334.2
20°	34026.7	34016.4	33946.7	33749.1	33511.0	33140.7	31913.6	31205.7	30521.2	29920.0	29190.7
22.5°	32915.9	32741.0	32497.4	32071.2	31597.9	30950.8	29192.4	28151.1	27198.2	26356.4	25413.4
25°	31306.3	30946.7	30497.2	29820.8	29085.0	28141.4	25974.1	24678.8	23534.8	22542.5	21454.4
27.5°	29246.3	28704.7	28046.0	27109.7	26113.0	24904.1	22501.3	21071.8	19843.6	18779.7	17621.8
30°	26807.6	26103.1	25252.5	24090.5	22888.2	21517.2	19080.1	17632.2	16389.1	15294.7	14135.9
32.5°	24051.5	23226.5	22229.8	20925.5	19625.4	18215.6	15862.1	14460.6	13273.1	12220.2	11171.3
35°	21011.9	20127.1	19072.6	17742.3	16449.9	15079.3	12919.8	11656.1	10607.4	9676.8	8829.9
37.5°	17751.2	16882.4	15880.2	14626.4	13428.0	12186.0	10322.6	9263.7	8383.7	7611.3	6957.3
40°	14361.1	13600.8	12733.6	11649.7	10626.9	9592.6	8063.0	7222.5	6527.9	5938.9	5448.8
42.5°	11012.4	10423.3	9758.2	8901.7	8119.0	7331.5	6154.2	5531.4	5017.0	4593.0	4246.4
45°	7989.9	7595.8	7149.7	6554.2	6012.7	5463.4	4625.4	4187.8	3852.8	3579.4	3348.1
47.5°	5585.3	5356.7	5342.8	4792.5	4395.3	4059.5	3519.7	3243.2	3038.0	2872.3	2725.9
50°	3922.4	3811.8	3674.4	3478.0	3293.7	3103.9	2775.0	2607.9	2487.7	2387.2	2294.7
52.5°	2932.3	2874.9	2801.6	2697.5	2597.6	2490.8	2282.7	2176.3	2138.5	2045.1	1971.7
55°	2342.1	2309.2	2267.5	2206.3	2145.6	2121.3	1942.9	1863.9	1813.9	1777.0	1737.6
57.5°	1945.5	1920.9	1896.2	1854.7	1819.6	1777.0	1682.3	1641.8	1612.0	1590.3	1563.0
60°	1659.4	1644.7	1630.9	1606.6	1587.6	1564.7	1504.5	1481.7	1466.1	1453.1	1435.7
62.5°	1464.6	1457.1	1450.0	1437.0	1427.4	1414.9	1373.8	1362.8	1355.1	1348.5	1337.8
65°	1324.1	1318.7	1314.6	1306.1	1301.2	1294.0	1258.7	1251.2	1246.4	1244.0	1237.9
67.5°	1196.3	1190.6	1188.0	1181.9	1179.8	1175.3	1146.4	1142.4	1140.7	1141.5	1139.3
70°	1076.8	1074.5	1075.7	1074.7	1077.4	1078.3	1060.8	1060.6	1062.4	1066.2	1066.5
72.5°	1005.2	1005.2	1006.5	1007.2	1009.8	1011.0	996.4	995.7	996.6	999.3	999.4
75°	937.0	938.2	941.9	943.1	946.2	946.8	927.5	925.3	925.5	928.0	927.2
77.5°	842.8	846.9	853.9	857.6	863.4	864.6	843.0	840.4	840.5	843.1	840.9
80°	735.7	743.5	754.7	762.6	771.7	775.3	753.1	747.8	742.9	742.1	737.7
82.5°	622.1	631.6	645.0	652.1	661.7	664.0	626.8	619.8	615.6	616.0	611.9
85°	474.9	482.0	494.2	498.2	504.3	503.7	461.4	443.2	447.9	440.5	446.4
87.5°	297.8	302.0	309.7	310.7	313.6	312.9	270.2	261.8	259.4	259.5	256.4
90°	168.3	172.6	180.7	182.2	188.0	188.8	155.7	153.2	148.9	149.2	143.8
92.5°	68.1	72.7	77.6	82.4	87.3	92.0	93.0	96.5	92.0	86.7	82.5
95°	79.5	87.1	94.8	102.6	110.3	117.9	125.7	133.4	126.2	118.9	111.7
97.5°	89.3	98.5	107.4	116.5	125.6	134.7	143.8	153.0	145.2	137.3	129.6
100°	116.9	134.0	150.9	167.9	184.7	201.8	218.8	235.8	220.9	205.8	190.9
102.5°	241.4	277.4	313.5	349.6	385.5	421.6	457.9	494.1	459.7	425.3	391.0
105°	466.2	524.6	583.1	641.3	699.8	758.2	817.1	875.5	820.7	765.8	710.9
107.5°	737.9	797.2	856.3	915.5	974.8	1034.1	1093.9	1153.2	1099.7	1046.0	992.5
110°	907.0	950.1	993.3	1036.5	1079.6	1122.8	1166.8	1210.1	1177.9	1145.6	1113.4



TEST NUMBER: P1444830  
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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°	944.6	975.5	1006.4	1037.2	1067.9	1098.8	1130.7	1161.8	1145.6	1129.1	1113.1
115°	894.3	915.2	935.8	956.6	977.4	997.9	1020.0	1041.1	1035.7	1030.4	1025.2
117.5°	806.8	818.4	829.9	841.4	852.7	864.2	877.5	889.3	889.9	890.7	891.5
120°	713.5	718.3	723.0	727.9	732.4	737.1	743.9	749.0	753.3	757.2	761.4
122.5°	634.4	636.0	637.7	639.4	641.1	642.6	646.7	648.9	651.5	654.4	657.2
125°	571.0	571.8	572.5	573.1	573.6	574.3	577.9	578.9	578.9	578.8	578.8
127.5°	528.9	528.8	528.8	528.8	528.4	528.4	531.3	531.8	529.8	527.7	525.5
130°	498.7	498.9	499.0	499.4	499.5	499.8	503.1	504.1	500.7	496.9	493.5
132.5°	479.5	479.9	480.1	480.6	480.9	481.2	484.9	486.0	482.2	478.0	474.0
135°	463.5	464.1	464.6	465.1	465.5	466.3	470.4	471.8	468.1	464.1	460.3
137.5°	450.3	450.9	451.4	452.0	452.5	453.2	457.8	459.3	456.2	453.0	450.0
140°	439.3	439.8	440.6	441.5	442.2	443.1	448.1	449.9	447.6	445.0	442.3
142.5°	427.8	429.0	430.2	431.5	432.7	434.1	439.8	442.1	440.3	438.2	436.5
145°	420.7	422.2	423.6	425.1	426.6	428.2	434.7	437.3	436.1	434.8	433.5
147.5°	414.4	415.8	417.0	418.4	419.8	421.6	428.3	430.9	430.2	429.3	428.5
150°	408.1	409.5	410.7	412.2	413.7	415.4	423.0	426.0	425.3	424.6	423.8
152.5°	400.4	401.6	402.8	404.1	405.5	407.0	416.1	419.2	418.7	417.9	417.4
155°	396.2	397.1	397.9	398.9	400.0	401.3	410.9	414.0	413.7	413.3	412.8
157.5°	395.3	395.9	396.3	397.0	397.7	398.6	408.6	411.8	411.3	410.9	410.6
160°	395.0	395.6	395.9	396.3	396.8	397.3	407.8	410.7	410.4	409.9	409.6
162.5°	395.6	396.4	396.9	397.6	398.2	399.0	409.5	412.8	412.2	411.6	411.0
165°	398.8	399.0	399.3	399.8	400.1	400.6	410.4	413.1	412.8	412.3	412.0
167.5°	402.4	402.8	403.2	403.7	404.1	404.7	413.8	416.4	416.2	415.7	415.4
170°	406.8	407.3	407.5	408.0	408.4	409.0	416.5	418.8	418.5	417.8	417.4
172.5°	410.9	411.5	412.0	412.4	412.8	413.5	419.9	422.0	421.7	421.3	420.7
175°	412.4	412.7	413.2	413.7	414.0	414.5	419.5	421.1	420.9	420.7	420.5
177.5°	416.4	416.5	416.9	417.3	417.7	417.9	421.1	422.0	421.9	421.9	421.8
180°	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1



TEST NUMBER: P1444830  
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**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2
2.5°	33379.6	33391.4	33393.1	33406.8	33405.6	33421.9	33419.3	33432.8	33424.9	33435.9	33426.7
5°	34163.6	34234.7	34271.9	34341.3	34363.2	34425.3	34442.8	34499.5	34501.8	34546.8	34536.6
7.5°	35272.0	35376.8	35439.1	35524.9	35568.3	35639.7	35671.2	35724.0	35741.1	35783.1	35786.3
10°	35933.9	35984.8	36020.3	36044.2	36066.1	36076.4	36088.3	36085.1	36088.3	36083.7	36093.9
12.5°	35673.5	35599.3	35550.1	35457.0	35403.1	35300.3	35249.8	35150.9	35115.0	35030.1	35017.9
15°	34355.1	34096.1	33913.1	33647.0	33479.7	33217.9	33064.8	32828.6	32720.7	32533.0	32483.7
17.5°	31951.9	31471.2	31099.2	30621.9	30290.7	29844.7	29564.2	29195.0	28992.8	28695.1	28592.0
20°	28582.7	27871.4	27313.3	26648.6	26172.8	25580.1	25200.6	24722.0	24444.1	24078.5	23930.2
22.5°	24627.2	23741.6	23044.6	22259.3	21685.3	21024.7	20570.1	20052.3	19750.0	19352.7	19176.8
25°	20550.2	19573.7	18798.8	17971.3	17364.8	16702.7	16248.0	15739.2	15426.5	15049.3	14874.5
27.5°	16651.0	15662.5	14913.6	14144.3	13588.0	12990.5	12580.2	12136.0	11858.4	11536.5	11372.0
30°	13210.0	12338.1	11700.9	11062.5	10599.6	10114.4	9773.4	9405.3	9161.8	8886.1	8729.4
32.5°	10406.6	9733.5	9234.5	8727.8	8349.1	7943.6	7649.0	7324.2	7104.4	6858.2	6716.3
35°	8241.9	7718.9	7320.9	6903.9	6578.4	6233.1	5973.4	5693.1	5495.9	5283.9	5161.4
37.5°	6511.9	6096.0	5768.6	5422.2	5154.9	4868.8	4772.4	4450.7	4246.3	4077.1	3960.0
40°	5110.5	4779.9	4508.9	4244.0	4026.0	3809.0	3634.8	3463.0	3331.0	3210.1	3126.3
42.5°	3991.0	3751.4	3553.5	3359.4	3200.4	3042.3	2916.1	2797.7	2708.9	2629.8	2575.8
45°	3172.6	3007.8	2870.3	2733.6	2621.5	2515.9	2430.9	2355.5	2298.0	2250.5	2216.9
47.5°	2606.4	2493.5	2396.6	2304.3	2228.1	2159.0	2102.2	2083.6	2021.9	1980.3	1964.5
50°	2215.1	2147.0	2073.3	2005.2	1954.4	1903.7	1866.8	1830.7	1807.6	1788.5	1782.6
52.5°	1923.0	1870.9	1829.9	1786.9	1753.3	1717.2	1691.8	1667.7	1655.0	1645.0	1643.8
55°	1705.8	1669.4	1642.3	1613.4	1593.3	1572.2	1559.0	1546.3	1540.7	1535.6	1536.0
57.5°	1541.6	1517.3	1499.6	1480.9	1470.0	1459.9	1456.5	1453.3	1455.0	1455.8	1458.6
60°	1421.8	1406.0	1395.0	1384.1	1379.6	1376.4	1378.8	1381.7	1387.5	1392.2	1396.4
62.5°	1330.1	1321.1	1315.7	1309.9	1309.3	1309.6	1314.6	1319.4	1326.7	1332.1	1336.2
65°	1235.6	1230.5	1228.7	1225.0	1226.9	1228.0	1234.0	1237.7	1245.0	1249.2	1254.5
67.5°	1140.2	1139.0	1140.1	1140.1	1143.5	1146.3	1152.0	1156.2	1162.3	1166.3	1170.5
70°	1069.8	1070.3	1072.9	1073.3	1076.9	1078.9	1083.9	1086.6	1092.1	1095.4	1100.5
72.5°	1001.2	1000.1	1000.8	999.2	1000.4	999.9	1002.6	1003.9	1008.7	1011.2	1017.5
75°	928.3	925.2	924.5	921.1	921.3	918.9	920.0	919.9	923.0	924.2	928.7
77.5°	840.2	834.9	832.5	826.9	826.8	824.7	826.9	828.3	833.7	836.3	841.4
80°	734.7	726.6	722.9	716.4	717.6	717.2	722.7	726.7	733.4	734.6	741.0
82.5°	610.7	602.4	598.5	592.2	593.6	593.7	598.7	599.6	605.4	607.8	615.3
85°	437.2	440.5	431.7	432.3	430.4	433.9	437.2	441.4	446.3	454.3	460.4
87.5°	257.5	256.4	259.5	259.8	264.3	266.6	273.8	277.9	285.9	292.2	303.5
90°	142.7	137.4	138.5	135.9	138.9	136.5	139.4	136.4	140.1	139.7	144.9
92.5°	77.0	72.4	67.1	62.5	57.3	52.9	50.1	48.2	45.6	43.8	41.0
95°	104.5	97.3	90.1	82.9	75.7	68.6	66.0	63.4	60.7	58.0	55.4
97.5°	121.9	114.2	106.5	98.6	90.8	83.1	81.3	79.6	77.9	76.1	74.3
100°	175.8	160.9	146.0	131.0	116.1	101.2	99.8	98.4	97.0	95.6	94.1
102.5°	356.8	322.4	288.3	254.0	219.8	185.5	179.5	173.6	167.6	161.6	155.7
105°	656.1	601.1	546.3	491.5	436.8	381.9	365.6	349.1	332.8	316.5	300.1
107.5°	939.0	885.3	832.0	778.5	725.0	671.6	645.6	619.8	593.9	568.1	542.3
110°	1081.0	1048.8	1016.8	984.5	952.5	920.4	895.6	871.1	846.2	821.6	797.0



TEST NUMBER: P1444830  
 CATALOG NUMBER: EHBR1-42-UNV-TA-L940-UPL30

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	1096.8	1080.7	1064.3	1048.4	1032.3	1016.1	1004.1	992.0	980.0	968.0	955.8
115°	1019.9	1014.6	1009.3	1004.3	999.2	994.0	992.9	992.2	991.1	990.3	989.4
117.5°	892.1	893.0	893.6	894.5	895.4	896.3	902.7	908.7	915.2	921.7	928.3
120°	765.5	769.6	773.7	778.0	782.1	786.5	794.8	803.4	811.8	820.6	829.4
122.5°	659.9	662.7	665.4	668.3	671.2	674.0	682.2	690.7	699.0	707.6	716.4
125°	578.6	578.4	578.4	578.1	578.0	578.1	584.8	591.6	598.5	605.7	612.7
127.5°	523.4	521.1	518.9	516.9	514.5	512.7	516.4	520.4	524.3	528.4	532.5
130°	489.9	486.2	482.4	479.1	475.1	471.8	473.0	474.5	475.8	477.4	479.0
132.5°	469.8	465.7	461.5	457.3	453.1	449.1	448.7	448.3	447.9	447.8	447.8
135°	456.2	452.4	448.2	444.3	440.2	436.4	435.1	433.8	432.7	431.5	430.6
137.5°	446.7	443.6	440.3	437.1	433.8	430.6	428.7	427.3	425.6	424.5	423.0
140°	439.6	437.3	434.5	431.9	429.2	426.8	425.2	424.0	422.6	421.5	420.2
142.5°	434.3	432.4	430.3	428.5	426.3	424.5	423.0	421.8	420.5	419.3	418.1
145°	432.1	430.9	429.5	428.0	426.7	425.4	424.1	423.2	422.1	421.2	420.5
147.5°	427.5	426.7	425.9	424.9	423.8	422.9	422.0	421.6	420.5	420.1	419.3
150°	422.9	422.2	421.3	420.5	419.5	418.8	418.2	417.7	417.2	417.0	416.4
152.5°	416.4	415.8	415.0	414.3	413.4	412.6	412.2	411.9	411.4	411.1	410.5
155°	412.3	411.7	411.1	410.6	409.8	409.5	408.9	408.2	407.8	407.3	406.7
157.5°	410.1	409.6	409.0	408.6	407.9	407.4	406.8	406.4	405.7	405.4	404.8
160°	409.1	408.7	408.1	407.6	407.1	406.6	405.8	405.3	404.4	403.9	403.1
162.5°	410.3	409.7	409.2	408.5	407.7	407.1	406.6	406.0	405.5	405.1	404.4
165°	411.5	410.9	410.5	410.0	409.6	409.2	408.3	407.8	406.9	406.4	405.7
167.5°	415.0	414.6	414.1	413.7	413.1	412.6	412.1	411.4	410.7	410.0	409.3
170°	416.9	416.4	415.9	415.2	414.7	414.0	413.5	412.8	412.1	411.7	410.9
172.5°	420.3	420.1	419.5	419.1	418.4	417.9	417.6	417.0	416.4	415.9	415.5
175°	420.4	420.2	420.1	419.7	419.6	419.3	419.1	419.0	418.7	418.6	418.2
177.5°	421.8	421.7	421.7	421.5	421.3	421.3	421.0	420.8	420.5	420.2	420.1
180°	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1



TEST NUMBER: P1444830  
 CATALOG NUMBER: EHBR1-42-UNV-TA-L940-UPL30

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2
2.5°	33436.3	33427.8	33431.8	33416.2	33419.9	33401.0	33399.2	33377.9	33375.8	33355.7	33348.2
5°	34568.4	34549.8	34570.8	34538.1	34544.5	34501.8	34498.3	34443.2	34424.2	34355.4	34325.5
7.5°	35812.5	35805.6	35818.4	35791.0	35790.1	35752.1	35736.4	35687.1	35656.4	35584.1	35537.9
10°	36085.1	36091.6	36081.0	36083.7	36068.8	36064.7	36049.6	36040.0	36015.2	35996.4	35968.8
12.5°	34953.3	34960.1	34916.9	34944.3	34922.6	34973.1	34969.1	35028.6	35037.7	35113.1	35141.6
15°	32337.4	32329.2	32246.4	32298.7	32270.6	32381.5	32406.3	32555.4	32635.2	32826.6	32944.2
17.5°	28385.7	28364.3	28247.7	28311.2	28278.9	28442.4	28497.2	28735.7	28884.5	29192.9	29412.8
20°	23675.1	23634.2	23497.7	23572.1	23538.8	23724.4	23802.7	24091.0	24282.8	24691.4	24982.1
22.5°	18906.0	18841.4	18707.7	18777.2	18745.7	18938.0	19039.9	19329.1	19548.8	19968.3	20307.6
25°	14623.3	14565.8	14436.5	14485.1	14473.4	14636.2	14726.7	15000.3	15216.2	15615.8	15939.7
27.5°	11153.6	11093.7	10976.9	11011.3	10999.5	11138.1	11223.5	11452.1	11637.8	11974.2	12258.6
30°	8536.4	8464.2	8365.2	8384.2	8376.1	8488.4	8568.2	8760.5	8919.9	9204.1	9449.1
32.5°	6543.1	6470.6	6379.6	6388.5	6376.5	6464.6	6530.3	6697.7	6836.4	7078.2	7291.4
35°	5006.4	5091.2	4896.9	5020.0	4891.9	5080.0	5012.3	5116.9	5236.2	5440.0	5617.8
37.5°	3848.7	3789.6	3739.6	3734.3	3734.0	3777.6	3829.1	3929.9	4035.1	4186.7	4343.5
40°	3049.9	3008.5	2976.1	2973.7	2976.1	3007.1	3045.1	3114.8	3191.7	3300.7	3416.0
42.5°	2529.6	2502.1	2482.6	2481.3	2487.4	2509.4	2535.8	2577.1	2627.2	2697.9	2776.9
45°	2189.4	2174.1	2163.2	2162.6	2165.4	2177.0	2192.2	2217.9	2249.6	2293.7	2343.7
47.5°	1950.7	1947.0	1940.2	1940.4	1937.4	1942.0	1943.8	1958.2	1975.1	2008.3	2073.7
50°	1776.8	1776.8	1772.2	1771.9	1767.4	1767.2	1763.5	1769.2	1777.1	1797.7	1818.6
52.5°	1639.4	1639.0	1633.9	1632.9	1628.2	1628.0	1624.8	1627.0	1628.1	1638.5	1651.0
55°	1532.1	1528.8	1522.2	1520.1	1518.2	1520.9	1519.7	1519.9	1518.5	1522.8	1526.5
57.5°	1455.0	1450.9	1444.5	1442.7	1442.2	1445.4	1445.5	1444.4	1438.6	1434.6	1429.1
60°	1394.0	1389.8	1383.0	1381.4	1382.3	1386.8	1386.6	1382.8	1374.2	1366.6	1357.9
62.5°	1334.2	1332.4	1329.0	1328.5	1327.6	1328.3	1325.3	1321.4	1312.8	1304.8	1295.3
65°	1253.8	1254.6	1252.1	1252.5	1249.3	1248.9	1244.2	1240.4	1231.7	1224.5	1214.7
67.5°	1170.3	1171.0	1168.9	1168.9	1167.3	1167.5	1164.7	1161.1	1153.8	1147.9	1140.3
70°	1101.6	1103.3	1102.1	1102.5	1100.5	1099.8	1095.3	1091.9	1084.3	1079.4	1072.6
72.5°	1019.3	1022.9	1022.9	1023.7	1020.8	1019.3	1014.0	1009.6	1002.8	998.9	993.5
75°	930.4	935.2	936.6	938.6	934.4	932.2	926.4	923.0	917.4	915.1	911.5
77.5°	843.6	848.9	853.9	858.7	851.9	845.8	838.6	833.0	825.1	822.0	816.5
80°	746.2	755.6	766.8	776.2	763.9	751.7	739.6	730.8	720.3	716.0	709.1
82.5°	619.1	628.7	635.1	641.2	632.7	623.6	612.0	604.3	592.9	588.7	580.7
85°	470.3	482.3	486.1	489.3	483.9	479.1	468.2	453.5	446.4	435.2	429.3
87.5°	309.3	316.5	317.9	319.0	315.6	313.3	306.2	299.3	287.1	278.3	267.4
90°	143.1	146.4	142.2	142.4	139.6	141.4	135.7	134.8	126.1	123.8	116.3
92.5°	38.9	36.3	34.1	31.8	34.7	36.4	39.2	41.0	43.6	45.6	48.2
95°	52.8	50.1	47.5	44.9	47.0	49.1	51.2	53.3	55.4	57.5	59.6
97.5°	72.6	70.9	69.1	67.4	68.6	69.8	71.0	72.2	73.5	74.7	76.1
100°	92.7	91.3	89.9	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
102.5°	149.7	143.8	137.8	131.8	135.8	139.8	143.9	147.9	152.0	156.0	160.1
105°	283.8	267.5	251.2	234.9	250.6	266.5	282.2	298.0	313.8	329.8	345.5
107.5°	516.3	490.6	464.8	439.0	468.0	496.8	525.4	554.2	583.0	611.8	640.7
110°	772.5	747.9	723.4	698.8	729.4	759.9	790.4	820.9	851.5	882.0	912.8



TEST NUMBER: P1444830  
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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°	943.9	931.9	920.0	908.1	927.7	947.4	967.0	986.9	1006.5	1026.3	1045.9
115°	988.7	987.9	987.3	986.5	995.8	1005.2	1014.4	1023.8	1033.3	1042.6	1052.0
117.5°	934.7	941.2	947.9	954.6	957.5	960.5	963.7	966.7	969.8	972.9	976.2
120°	838.1	846.7	855.6	864.6	863.4	862.1	861.1	859.9	859.0	857.9	857.1
122.5°	725.1	733.8	742.7	751.6	748.9	746.2	743.7	741.3	739.0	736.6	734.3
125°	620.0	627.2	634.6	642.1	639.5	636.8	634.3	632.0	629.6	627.2	625.2
127.5°	537.0	541.6	545.9	550.5	549.3	548.1	547.2	546.1	545.2	544.5	543.8
130°	480.7	482.6	484.8	486.7	487.1	487.4	488.1	488.7	489.6	490.3	491.3
132.5°	448.1	448.3	448.7	449.1	450.5	451.8	453.6	455.3	457.3	459.0	461.4
135°	430.0	429.2	428.7	428.3	430.4	432.4	434.7	437.0	439.7	442.4	445.3
137.5°	421.9	420.7	420.0	419.0	421.1	423.2	425.6	427.9	430.5	433.2	436.3
140°	419.2	418.3	417.7	416.8	419.0	420.9	423.3	425.6	428.3	430.9	433.8
142.5°	417.3	416.3	415.6	415.0	416.7	418.7	420.9	423.0	425.4	427.7	430.3
145°	419.7	418.9	418.5	417.9	419.1	420.5	422.1	423.7	425.6	427.3	429.4
147.5°	418.9	418.3	418.1	417.7	418.8	419.6	420.9	421.9	423.3	424.6	426.2
150°	416.3	415.9	415.7	415.6	416.3	416.8	417.7	418.2	419.1	420.0	421.2
152.5°	410.4	410.0	410.0	409.8	410.4	410.9	411.6	412.2	413.0	413.7	414.8
155°	406.4	406.0	405.6	405.3	405.5	405.5	405.8	405.9	406.5	406.7	407.1
157.5°	404.5	404.1	403.8	403.3	403.2	403.0	403.1	403.0	403.1	402.9	403.1
160°	402.8	401.9	401.4	400.8	401.0	400.8	401.0	400.9	401.1	401.3	401.4
162.5°	404.1	403.6	403.2	402.8	402.5	402.0	401.7	401.3	401.0	400.7	400.6
165°	405.0	404.3	403.8	403.0	402.9	402.8	402.6	402.4	402.2	402.0	402.1
167.5°	408.9	408.1	407.5	406.8	406.4	405.7	405.5	404.9	404.5	404.1	403.9
170°	410.5	409.8	409.4	408.8	408.6	408.2	408.2	407.8	407.6	407.5	407.5
172.5°	415.0	414.5	414.1	413.7	413.5	413.2	413.1	412.9	412.7	412.7	412.5
175°	418.1	417.8	417.7	417.5	417.2	417.0	416.7	416.5	416.4	416.1	415.9
177.5°	419.7	419.3	419.1	419.0	418.9	418.9	418.9	418.9	418.9	418.8	418.6
180°	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1



TEST NUMBER: P1444830  
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**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2
2.5°	33326.5	33317.8	33294.7	33283.3	33262.0	33251.3	33234.6	33223.9	33210.4	33200.4	33195.2
5°	34249.9	34207.3	34121.9	34069.3	33977.1	33916.4	33824.8	33757.6	33663.1	33593.3	33503.9
7.5°	35451.3	35385.9	35276.5	35193.5	35064.5	34965.9	34821.1	34705.3	34545.3	34412.5	34249.1
10°	35940.4	35902.2	35853.1	35799.8	35728.2	35658.2	35559.2	35458.5	35324.3	35190.7	35016.1
12.5°	35217.5	35253.4	35324.3	35357.3	35411.5	35429.9	35454.7	35443.2	35421.2	35366.6	35287.5
15°	33170.1	33320.1	33557.1	33721.1	33950.8	34112.1	34325.5	34463.0	34621.3	34715.8	34805.6
17.5°	29802.3	30092.4	30510.6	30844.4	31292.3	31656.5	32102.7	32453.3	32858.1	33168.6	33499.3
20°	25488.7	25895.0	26472.3	26962.7	27611.7	28162.2	28867.2	29458.0	30147.0	30721.4	31341.3
22.5°	20846.1	21324.0	21985.5	22576.9	23352.1	24044.3	24927.8	25708.9	26640.3	27474.8	28398.0
25°	16466.3	16934.7	17608.6	18220.9	19057.6	19820.3	20785.5	21681.4	22762.4	23770.5	24927.8
27.5°	12710.4	13126.4	13718.9	14270.0	15036.4	15785.1	16764.6	17720.0	18873.5	19956.8	21204.0
30°	9816.0	10153.5	10628.1	11071.6	11686.8	12299.1	13171.6	14055.2	15203.0	16325.6	17604.2
32.5°	7607.1	7894.9	8291.1	8651.1	9125.1	9586.8	10229.3	10935.4	11942.2	13017.5	14253.8
35°	5888.7	6134.9	6472.1	6782.3	7172.1	7538.6	8018.0	8522.0	9290.4	10194.9	11301.3
37.5°	4694.8	4795.2	5035.9	5290.0	5613.7	5914.9	6290.0	6662.7	7212.3	7926.0	8829.9
40°	3570.3	3729.7	3925.7	4125.7	4370.9	4612.5	5023.9	5222.1	5584.0	6096.3	6797.8
42.5°	2880.8	2992.9	3130.8	3269.9	3440.8	3609.0	3817.1	4029.1	4299.6	4646.7	5145.7
45°	2410.7	2483.9	2572.7	2665.4	2777.6	2892.4	3031.8	3177.3	3360.6	3574.0	3877.0
47.5°	2096.7	2137.1	2195.1	2258.4	2335.4	2414.8	2505.4	2598.1	2712.0	2838.6	3011.2
50°	1851.6	1885.3	1930.3	1972.7	2025.7	2107.2	2143.2	2194.3	2262.9	2337.3	2433.8
52.5°	1674.2	1696.6	1724.8	1749.2	1782.8	1813.3	1853.2	1888.5	1936.0	1980.7	2043.0
55°	1536.0	1544.2	1560.2	1575.9	1599.1	1619.9	1647.3	1670.4	1700.7	1727.5	1766.8
57.5°	1429.3	1430.1	1437.5	1445.6	1460.6	1473.7	1492.6	1507.8	1528.7	1545.8	1569.4
60°	1352.7	1348.7	1350.1	1352.9	1361.3	1369.9	1381.9	1391.8	1405.0	1414.7	1427.8
62.5°	1288.8	1282.5	1281.0	1280.3	1284.5	1287.5	1294.1	1298.9	1306.4	1310.6	1317.6
65°	1208.3	1200.7	1197.8	1194.3	1195.6	1194.6	1197.1	1197.2	1201.0	1201.8	1205.9
67.5°	1135.2	1128.9	1125.1	1120.4	1118.3	1114.9	1113.5	1110.2	1109.8	1107.1	1106.4
70°	1068.5	1062.4	1059.2	1054.8	1052.6	1048.2	1045.5	1040.0	1036.8	1031.7	1028.9
72.5°	991.4	987.9	986.9	984.0	983.3	980.7	979.6	975.8	973.6	969.3	966.8
75°	910.8	907.9	907.7	904.7	904.4	901.6	900.8	896.7	894.6	890.3	888.4
77.5°	814.7	810.5	809.3	805.9	806.7	805.2	806.4	803.4	802.1	797.7	796.4
80°	706.6	701.2	698.9	694.4	695.6	693.5	695.6	695.4	697.0	693.5	692.9
82.5°	578.5	572.5	571.4	568.2	570.4	570.5	575.1	572.7	573.6	570.4	571.8
85°	420.9	416.5	410.3	409.5	405.5	409.6	404.2	407.9	402.1	406.1	400.7
87.5°	261.0	251.8	247.0	240.5	238.0	231.7	229.1	224.5	225.9	223.8	225.0
90°	115.6	109.1	109.4	105.0	106.5	102.9	105.7	103.8	107.1	105.1	108.7
92.5°	50.1	52.4	56.5	61.0	65.0	69.2	73.3	77.9	81.9	86.4	90.3
95°	61.7	63.8	69.4	75.0	80.7	86.3	92.0	97.6	103.3	108.9	114.5
97.5°	77.3	78.5	84.1	89.8	95.4	101.0	106.7	112.4	118.0	123.7	129.3
100°	88.5	88.6	104.5	120.6	136.5	152.6	168.6	184.6	200.7	216.7	232.6
102.5°	164.2	168.2	208.5	248.9	289.3	329.6	370.1	410.6	450.9	491.4	532.0
105°	361.4	377.3	438.9	500.6	562.1	623.7	685.5	747.3	808.9	870.6	932.3
107.5°	669.5	698.5	754.2	809.9	865.4	921.3	977.2	1032.9	1088.5	1144.4	1200.4
110°	943.3	973.9	1011.2	1048.7	1086.1	1123.4	1160.9	1198.3	1235.8	1273.3	1310.9



TEST NUMBER: P1444830  
 CATALOG NUMBER: EHBR1-42-UNV-TA-L940-UPL30

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	1065.6	1085.6	1107.3	1129.2	1151.0	1172.9	1194.8	1216.7	1238.8	1260.8	1282.8
115°	1061.6	1071.2	1079.5	1088.3	1096.7	1105.5	1114.1	1123.0	1131.8	1140.6	1149.4
117.5°	979.3	982.8	984.0	985.7	987.1	988.8	990.4	992.2	994.0	995.8	997.3
120°	856.2	855.3	854.0	852.9	851.6	850.6	849.7	848.6	847.7	846.9	845.8
122.5°	732.0	730.0	728.7	727.7	726.8	725.8	725.0	724.3	723.5	722.7	721.8
125°	623.0	621.1	622.6	624.1	625.8	627.4	629.0	630.9	632.6	634.4	636.2
127.5°	543.1	542.8	546.2	549.9	553.5	557.2	560.9	564.9	568.5	572.5	576.0
130°	492.5	493.7	498.1	502.8	507.3	512.0	516.8	521.6	526.2	530.9	535.5
132.5°	463.4	465.9	470.2	474.8	479.1	483.7	488.3	492.9	497.4	502.1	506.4
135°	448.2	451.4	455.4	459.6	463.7	468.0	472.1	476.4	480.4	484.7	488.7
137.5°	439.1	442.2	445.5	449.0	452.2	455.9	459.2	462.7	466.0	469.5	472.8
140°	436.6	439.7	441.6	443.9	446.0	448.1	450.1	452.3	454.3	456.6	458.5
142.5°	432.9	435.9	437.0	438.5	439.9	441.6	443.1	444.5	445.8	447.1	448.4
145°	431.3	433.5	433.8	434.2	434.7	435.2	435.5	435.9	436.2	436.6	436.8
147.5°	427.7	429.4	429.2	429.4	429.5	429.4	429.6	429.7	429.5	429.6	429.6
150°	422.0	423.3	422.8	422.8	422.3	422.1	421.7	421.5	421.0	420.8	420.4
152.5°	415.6	416.5	415.8	415.7	415.0	414.7	414.0	413.7	413.1	412.7	412.3
155°	407.3	407.9	407.5	407.2	406.9	406.7	406.3	406.3	406.2	405.9	405.8
157.5°	403.2	403.3	403.1	402.9	402.6	402.6	402.5	402.4	402.3	402.5	402.6
160°	401.4	401.6	401.4	401.2	401.0	400.8	400.7	400.7	400.7	401.0	401.1
162.5°	400.2	400.1	399.8	399.6	399.5	399.5	399.4	399.6	399.6	399.8	400.0
165°	402.2	402.4	401.7	401.6	401.4	401.1	400.8	400.7	400.8	400.8	400.8
167.5°	403.6	403.4	403.4	403.5	403.5	403.7	403.8	404.2	404.4	404.9	405.0
170°	407.4	407.5	407.2	407.1	406.9	406.8	406.9	406.8	406.9	406.9	406.9
172.5°	412.5	412.5	412.2	411.8	411.5	411.3	410.9	410.8	410.5	410.3	409.9
175°	415.6	415.4	415.2	415.0	414.9	414.6	414.5	414.0	413.8	413.7	413.5
177.5°	418.5	418.2	418.1	418.1	418.0	417.8	417.8	417.7	417.7	417.7	417.5
180°	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1



TEST NUMBER: P1444830  
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**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2
2.5°	33188.6	33188.2	33184.9	33186.4	33187.1	33189.4	33192.2	33195.2	33195.8	33198.2	33198.6
5°	33436.9	33354.8	33294.1	33227.3	33177.0	33131.8	33101.7	33077.8	33068.6	33070.9	33076.5
7.5°	34110.4	33941.0	33801.0	33642.1	33509.5	33369.1	33252.8	33142.1	33061.5	33001.4	32967.9
10°	34849.5	34643.1	34445.5	34215.4	33997.2	33764.2	33553.3	33340.9	33163.7	33009.9	32897.0
12.5°	35177.4	35031.6	34860.9	34643.7	34410.1	34141.4	33870.0	33579.0	33308.4	33057.2	32854.6
15°	34830.2	34830.5	34768.3	34664.0	34501.8	34287.1	34028.4	33725.1	33405.9	33080.1	32782.6
17.5°	33727.9	33935.8	34051.6	34124.8	34102.2	34023.1	33858.6	33625.6	33328.0	32981.0	32617.8
20°	31834.9	32325.4	32675.1	32989.7	33165.9	33283.1	33271.4	33176.6	32964.6	32669.5	32291.3
22.5°	29183.1	30006.4	30656.1	31261.9	31686.8	32032.5	32196.8	32266.5	32170.5	31964.9	31609.8
25°	25962.2	27081.6	28036.9	28964.1	29659.7	30257.3	30616.6	30869.6	30889.7	30782.4	30465.5
27.5°	22383.2	23704.6	24913.7	26145.9	27124.0	27983.3	28547.0	28959.7	29090.8	29073.5	28785.8
30°	18808.7	20195.9	21528.7	22965.6	24175.9	25273.7	26018.4	26576.5	26791.5	26832.8	26556.0
32.5°	15433.0	16801.0	18130.1	19632.3	20964.2	22222.3	23102.2	23765.1	24015.1	24074.1	23770.5
35°	12369.4	13631.5	14894.5	16350.4	17674.6	18977.4	19904.6	20598.6	20832.2	20871.6	20520.1
37.5°	9712.6	10787.9	11888.5	13194.8	14410.9	15634.4	16515.3	17167.6	17337.7	17327.2	16929.5
40°	7475.6	8311.6	9196.0	10271.4	11282.4	12316.7	13060.6	13599.8	13689.2	13623.0	13205.1
42.5°	5621.3	6225.1	6866.2	7668.9	8419.1	9193.2	9734.4	10134.7	10147.5	10042.8	9667.8
45°	4187.8	4776.9	5045.8	5531.2	6014.3	6529.1	6859.5	7106.8	7068.5	6976.4	6691.5
47.5°	3192.5	3418.9	3659.0	3960.0	4241.4	4825.6	4782.2	5179.3	4893.3	5088.4	4659.1
50°	2535.2	2661.7	2791.0	2950.8	3097.8	3250.5	3345.9	3417.2	3408.0	3377.3	3295.0
52.5°	2156.9	2196.0	2259.6	2350.5	2432.6	2515.2	2569.5	2613.6	2614.6	2602.2	2560.6
55°	1802.6	1852.3	1898.0	1957.5	2058.6	2074.1	2152.0	2136.2	2142.4	2120.8	2142.9
57.5°	1589.4	1618.3	1644.0	1679.3	1708.5	1742.6	1762.8	1782.1	1780.3	1776.1	1754.8
60°	1438.3	1454.2	1468.5	1489.1	1505.2	1524.5	1533.7	1543.6	1540.3	1533.2	1514.3
62.5°	1321.7	1331.7	1339.9	1353.2	1362.9	1374.9	1379.8	1384.0	1379.8	1373.0	1356.3
65°	1206.8	1213.2	1218.4	1228.4	1235.3	1245.5	1249.6	1253.5	1249.7	1244.4	1231.7
67.5°	1103.1	1103.7	1103.3	1107.3	1109.4	1115.6	1117.4	1120.2	1115.8	1111.3	1100.5
70°	1024.4	1022.9	1020.9	1022.5	1022.9	1025.8	1026.3	1025.8	1020.5	1012.6	1000.9
72.5°	962.9	962.1	960.6	962.0	962.0	964.7	963.9	962.5	956.0	948.3	936.7
75°	883.9	883.4	880.4	880.5	878.1	878.9	875.7	873.9	866.6	860.2	849.8
77.5°	791.5	790.0	785.7	784.1	779.4	777.5	771.4	768.4	761.1	755.8	747.0
80°	688.3	686.7	681.1	678.1	670.7	665.9	657.1	652.1	643.5	638.5	629.8
82.5°	569.0	569.6	564.0	560.2	549.6	541.4	529.5	523.1	513.8	508.9	499.9
85°	404.6	398.8	401.9	401.7	395.0	388.0	378.3	371.5	363.6	359.0	352.7
87.5°	221.9	223.3	221.7	220.3	215.7	212.0	204.6	200.6	194.8	191.9	187.3
90°	100.8	98.5	90.8	88.7	81.3	77.1	68.7	65.4	57.5	55.8	50.9
92.5°	85.5	80.8	76.3	71.3	66.9	62.1	57.4	52.6	47.9	46.0	44.7
95°	107.7	100.9	94.1	87.2	80.4	73.5	66.8	59.9	53.1	51.7	50.3
97.5°	121.4	113.4	105.3	97.3	89.3	81.1	73.1	65.1	57.0	56.2	55.2
100°	214.2	195.7	177.1	158.6	140.0	121.5	103.0	84.5	66.0	64.9	63.8
102.5°	486.9	441.9	397.0	352.1	307.2	262.1	217.3	172.2	127.2	120.6	114.2
105°	864.3	796.1	728.3	660.2	592.1	524.0	456.0	387.8	319.6	297.8	275.9
107.5°	1136.5	1072.4	1008.6	944.7	880.6	816.8	752.7	688.7	624.6	586.1	547.7
110°	1260.1	1209.4	1158.9	1108.0	1057.3	1006.5	955.9	905.0	854.2	821.0	788.1



TEST NUMBER: P1444830  
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**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	1245.7	1208.5	1171.6	1134.4	1097.4	1060.1	1023.0	985.8	948.4	928.5	908.4
115°	1127.2	1104.9	1082.8	1060.4	1038.1	1015.9	993.5	971.1	948.6	938.1	927.5
117.5°	986.2	975.0	963.8	952.5	941.1	929.7	918.4	907.0	895.6	892.1	888.3
120°	842.9	839.6	836.2	832.9	829.6	826.4	822.9	819.5	815.9	816.6	817.2
122.5°	723.5	725.0	726.8	728.1	729.8	731.1	732.8	734.0	735.4	738.4	741.5
125°	639.9	643.3	647.0	650.5	653.9	657.5	661.1	664.4	667.9	670.9	674.1
127.5°	580.3	584.1	588.2	592.1	596.3	600.1	604.1	607.8	611.7	614.6	617.6
130°	539.1	542.6	546.2	549.5	553.1	556.6	559.9	563.5	566.8	569.1	571.5
132.5°	509.7	512.9	516.1	519.1	522.4	525.4	528.6	531.7	535.0	536.7	538.7
135°	491.3	493.6	496.1	498.3	501.1	503.4	505.9	508.4	511.0	512.3	513.7
137.5°	474.8	476.8	479.0	480.8	483.1	484.9	487.2	489.3	491.6	492.3	493.4
140°	460.5	462.7	464.7	466.8	469.1	471.1	473.6	475.8	478.2	479.0	480.1
142.5°	450.2	451.7	453.3	455.0	456.9	458.6	460.5	462.6	464.5	465.4	466.2
145°	438.7	440.6	442.6	444.4	446.4	448.5	450.9	453.1	455.4	455.9	456.7
147.5°	431.1	432.7	434.4	436.1	438.0	439.6	441.7	443.7	445.8	446.4	447.0
150°	422.1	423.7	425.5	427.3	429.2	431.2	433.3	435.4	437.8	438.6	439.5
152.5°	414.1	415.9	417.7	419.8	421.8	424.0	426.3	428.6	431.0	431.6	432.6
155°	407.7	409.4	411.3	413.4	415.5	417.4	419.6	421.8	424.1	425.0	425.9
157.5°	404.2	405.7	407.7	409.5	411.3	413.1	415.3	417.1	419.2	420.0	420.6
160°	402.6	404.1	405.7	407.3	409.1	410.7	412.4	414.2	416.0	416.7	417.5
162.5°	401.5	403.0	404.8	406.1	407.9	409.6	411.4	412.9	414.7	415.3	416.1
165°	401.9	403.2	404.4	405.5	406.8	408.0	409.4	410.6	412.0	412.5	413.5
167.5°	406.2	406.8	407.8	408.7	409.8	410.8	412.0	412.8	413.9	414.7	415.3
170°	407.8	408.5	409.4	410.3	411.1	412.1	413.0	413.7	414.9	415.4	416.1
172.5°	410.5	410.9	411.5	412.0	412.6	413.1	413.7	414.4	415.0	415.8	416.4
175°	413.9	414.1	414.4	414.6	414.8	415.1	415.5	416.0	416.3	416.8	417.3
177.5°	417.7	417.8	418.0	418.2	418.6	418.8	419.1	419.2	419.6	420.2	420.7
180°	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1



TEST NUMBER: P1444830  
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**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2
2.5°	33197.5	33197.1	33196.0	33194.6	33193.1	33194.0	33195.5	33199.3	33205.9	33215.6	33228.2
5°	33081.1	33087.8	33091.7	33092.1	33088.7	33086.6	33089.8	33098.9	33117.3	33148.1	33189.9
7.5°	32958.8	32967.2	32980.1	32989.7	32991.5	32989.2	32989.7	33004.0	33037.9	33098.0	33182.3
10°	32828.3	32803.5	32816.6	32840.5	32859.5	32863.1	32865.4	32882.2	32931.9	33022.7	33158.2
12.5°	32707.8	32629.3	32614.1	32635.7	32664.6	32673.9	32671.3	32678.6	32736.7	32857.0	33045.7
15°	32549.4	32401.6	32351.1	32356.6	32392.3	32405.1	32395.7	32381.5	32438.1	32584.9	32829.2
17.5°	32292.8	32054.6	31961.8	31957.7	31999.4	32010.5	31987.6	31943.1	31999.0	32182.1	32485.4
20°	31902.9	31551.2	31376.3	31348.6	31393.9	31380.7	31334.9	31267.7	31341.1	31563.8	31924.5
22.5°	31201.8	30756.2	30457.5	30361.3	30415.5	30379.3	30312.6	30226.8	30324.1	30577.2	30978.9
25°	30056.3	29541.4	29132.6	28903.2	28946.4	28881.6	28808.9	28704.9	28821.1	29111.6	29553.8
27.5°	28372.5	27777.8	27271.1	26891.4	26905.4	26820.4	26736.7	26602.2	26747.3	27091.0	27589.8
30°	26133.5	25445.3	24828.3	24312.3	24266.1	24183.7	24098.0	23921.5	24103.0	24514.5	25097.3
32.5°	23321.7	22557.6	21844.7	21192.2	21069.2	20988.9	20912.4	20709.2	20946.8	21426.6	22096.2
35°	20033.4	19219.4	18446.5	17701.4	17497.4	17417.1	17350.3	17155.6	17452.1	17974.3	18697.5
37.5°	16424.0	15592.5	14825.1	14061.0	13772.9	13663.9	13615.3	13487.9	13829.9	14346.4	15072.5
40°	12718.5	11945.5	11257.4	10582.6	10254.2	10087.4	10062.0	10038.7	10369.4	10817.5	11476.6
42.5°	9252.3	8628.5	8098.0	7582.2	7284.5	7056.8	7056.7	7125.8	7423.5	7759.2	8267.4
45°	6400.0	5981.4	5643.4	5298.8	5391.0	4936.9	5203.6	5066.8	5213.9	5430.3	5760.7
47.5°	4399.4	4170.9	3985.3	3792.7	3652.3	3518.3	3530.0	3616.5	3755.0	3883.4	4055.4
50°	3206.4	3090.1	2995.5	2895.5	2825.6	2766.5	2770.0	2807.3	2880.2	2947.8	3037.8
52.5°	2512.5	2448.3	2396.9	2341.6	2305.0	2275.5	2277.1	2295.3	2334.7	2373.4	2425.0
55°	2070.9	2063.1	1996.3	1946.7	1927.9	1908.1	1911.6	1918.8	1945.6	1968.2	2002.4
57.5°	1735.4	1705.4	1685.3	1659.2	1647.2	1633.5	1636.5	1639.2	1657.1	1672.3	1696.9
60°	1498.5	1477.2	1463.1	1445.3	1437.3	1428.6	1430.6	1432.2	1443.7	1453.6	1471.2
62.5°	1341.1	1322.1	1309.7	1296.0	1290.5	1284.6	1286.0	1286.4	1293.6	1300.9	1314.2
65°	1220.4	1205.3	1195.0	1183.2	1177.4	1171.3	1171.8	1171.8	1177.9	1183.2	1193.3
67.5°	1092.7	1081.4	1074.7	1065.3	1061.3	1055.1	1055.0	1052.9	1057.0	1059.0	1065.8
70°	990.2	978.8	970.3	961.3	956.3	950.7	950.9	951.0	955.6	960.4	969.2
72.5°	927.0	916.0	908.4	900.5	895.9	891.1	890.3	889.8	893.1	895.7	901.6
75°	843.1	834.4	829.9	822.5	818.8	813.5	812.7	810.2	811.7	812.3	816.6
77.5°	741.4	733.1	729.6	722.0	719.0	712.9	712.4	709.6	710.9	710.0	713.4
80°	625.5	618.0	616.0	609.9	608.4	602.8	601.9	598.6	599.6	597.0	598.2
82.5°	496.1	489.2	487.7	482.0	482.0	477.0	476.7	471.7	471.7	467.3	460.4
85°	349.5	344.4	342.3	337.6	336.2	332.2	330.1	325.2	323.6	320.5	319.5
87.5°	184.5	181.2	178.4	176.2	172.1	164.8	164.2	159.1	159.5	155.9	156.1
90°	49.6	45.0	44.0	39.8	38.4	35.3	34.2	34.6	35.5	36.1	37.2
92.5°	43.1	41.6	40.1	38.5	36.9	35.3	33.7	35.3	36.9	38.5	40.1
95°	48.9	47.5	46.1	44.7	43.3	41.9	40.5	41.9	43.3	44.9	46.3
97.5°	54.4	53.5	52.6	51.7	50.9	49.9	49.1	50.1	51.1	51.9	52.8
100°	62.8	61.8	60.7	59.6	58.6	57.5	56.5	57.7	58.8	59.8	60.8
102.5°	107.8	101.3	94.8	88.3	81.8	75.4	68.8	75.4	81.8	88.5	95.0
105°	254.0	232.3	210.3	188.4	166.5	144.5	122.6	144.6	166.6	188.5	210.5
107.5°	509.1	470.7	432.1	393.6	354.9	316.4	277.8	316.6	355.1	393.8	432.4
110°	754.7	721.6	688.4	655.1	621.8	588.7	555.4	588.8	622.1	655.4	688.8



TEST NUMBER: P1444830  
 CATALOG NUMBER: EHBR1-42-UNV-TA-L940-UPL30

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	888.1	868.1	847.8	827.8	807.5	787.2	766.9	787.5	807.9	828.3	848.5
115°	917.1	906.4	895.9	885.2	874.5	863.9	853.0	864.3	875.2	886.0	896.9
117.5°	884.7	881.2	877.4	873.8	870.1	866.3	862.4	866.5	870.6	874.9	878.6
120°	817.6	818.4	818.8	819.2	819.7	820.0	820.3	820.5	820.5	820.5	820.4
122.5°	744.3	747.4	750.2	753.0	755.8	758.6	761.1	759.1	756.8	754.6	752.1
125°	677.0	680.3	683.3	686.2	689.0	692.0	694.4	692.6	690.3	688.0	685.6
127.5°	620.4	623.2	625.8	628.8	631.2	633.7	636.0	634.5	632.6	630.6	628.4
130°	573.6	576.1	578.1	580.2	582.2	584.0	585.6	584.7	583.5	582.5	580.9
132.5°	540.4	542.3	544.0	545.7	547.0	548.6	549.5	549.3	548.6	548.0	546.9
135°	515.1	516.4	517.5	518.9	519.9	520.8	521.3	521.6	521.4	521.3	520.7
137.5°	494.2	495.2	495.8	496.5	497.0	497.4	497.5	498.2	498.6	499.2	499.2
140°	480.8	481.8	482.6	483.2	483.8	484.5	484.4	485.3	485.6	485.9	485.9
142.5°	467.2	468.1	468.8	469.5	470.0	470.5	470.6	471.3	471.7	472.0	472.1
145°	457.4	457.9	458.6	459.1	459.3	459.6	459.4	460.4	460.9	461.4	461.9
147.5°	447.6	448.2	448.7	449.1	449.2	449.5	449.5	450.3	450.9	451.5	451.8
150°	440.4	441.1	441.9	442.6	443.2	443.6	443.6	444.3	444.7	445.0	445.0
152.5°	433.2	433.9	434.7	435.2	435.7	436.1	436.3	436.8	437.4	437.8	438.0
155°	426.6	427.5	428.3	429.0	429.5	430.0	430.6	431.1	431.4	431.7	431.9
157.5°	421.4	422.3	422.9	423.6	424.2	424.9	425.4	425.9	426.3	426.9	427.1
160°	418.0	419.0	419.4	420.2	420.8	421.4	421.9	422.5	423.0	423.3	423.9
162.5°	416.6	417.4	417.7	418.5	419.1	419.8	420.3	420.9	421.4	421.8	422.2
165°	414.2	415.0	415.6	416.4	417.3	418.0	418.6	419.1	419.2	419.5	419.7
167.5°	416.0	416.8	417.3	418.0	418.6	419.4	420.1	420.5	420.6	420.8	420.9
170°	416.6	417.4	417.9	418.5	419.1	419.8	420.3	420.5	420.6	420.8	421.0
172.5°	416.9	417.7	418.4	419.2	419.8	420.5	421.2	421.3	421.1	421.1	420.8
175°	417.7	418.4	418.9	419.5	419.9	420.5	421.2	420.9	420.9	420.7	420.6
177.5°	421.4	422.2	422.8	423.3	424.1	424.6	425.2	424.6	424.3	423.9	423.3
180°	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1



TEST NUMBER: P1444830  
 CATALOG NUMBER: EHBR1-42-UNV-TA-L940-UPL30

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2
2.5°	33246.0	33262.6	33288.1	33311.1	33345.8	33373.2	33414.3	33445.5	33492.0	33522.1	33572.6
5°	33248.9	33314.0	33399.5	33483.0	33583.3	33674.4	33787.6	33884.0	33997.8	34090.7	34207.0
7.5°	33295.9	33421.4	33571.7	33723.1	33894.5	34054.7	34235.4	34398.8	34577.4	34728.6	34893.8
10°	33330.6	33524.1	33745.6	33968.5	34203.2	34421.2	34641.4	34831.6	35009.4	35155.6	35284.9
12.5°	33283.6	33550.1	33834.4	34108.9	34369.9	34595.5	34784.9	34931.2	35032.2	35100.7	35116.7
15°	33123.7	33444.4	33753.5	34027.0	34243.5	34410.5	34496.9	34537.4	34494.0	34421.9	34263.4
17.5°	32825.1	33163.3	33439.7	33655.4	33769.8	33815.1	33743.6	33619.0	33375.6	33105.4	32715.1
20°	32277.6	32592.8	32793.3	32910.9	32880.3	32767.1	32496.7	32168.1	31682.2	31164.2	30480.6
22.5°	31317.4	31592.9	31699.7	31708.5	31521.7	31238.3	30750.6	30187.0	29420.2	28623.2	27642.9
25°	29875.9	30117.2	30134.2	30039.3	29697.5	29238.2	28522.2	27724.9	26683.1	25620.9	24392.5
27.5°	27921.0	28152.6	28095.8	27919.0	27444.4	26829.8	25913.2	24883.1	23598.7	22344.2	20985.3
30°	25463.6	25711.2	25644.7	25417.7	24853.3	24126.9	23048.3	21851.6	20425.5	19085.7	17708.6
32.5°	22522.8	22835.8	22789.8	22574.2	21985.3	21207.8	20037.5	18768.2	17309.2	15988.8	14649.4
35°	19180.3	19560.2	19579.8	19438.9	18892.1	18123.7	16968.0	15739.5	14341.9	13096.1	11858.7
37.5°	15579.0	16019.5	16109.9	16071.9	15618.8	14940.4	13887.5	12785.3	11547.3	10455.5	9397.1
40°	11957.8	12403.6	12558.3	12604.2	12269.9	11744.4	10880.2	9990.7	8981.4	8096.7	7256.4
42.5°	8655.4	9050.7	9200.2	9294.2	9085.5	8735.1	8104.8	7458.8	6719.3	6081.2	5469.4
45°	6011.3	6290.9	6404.7	6499.3	6385.6	6188.0	5789.9	5385.8	4897.8	4480.7	4086.0
47.5°	4202.9	4357.1	4432.1	4478.0	4434.0	4330.9	4114.2	3880.2	3604.7	3361.0	3126.7
50°	3115.2	3197.3	3236.5	3263.1	3231.0	3173.7	3056.4	2929.1	2777.7	2639.7	2504.8
52.5°	2468.8	2515.8	2539.1	2553.5	2535.0	2500.0	2431.7	2356.1	2265.5	2180.1	2135.3
55°	2079.8	2077.3	2131.2	2105.2	2131.2	2073.1	2060.9	1977.8	1902.5	1849.4	1792.0
57.5°	1715.2	1739.6	1749.9	1761.6	1754.0	1743.4	1714.4	1684.6	1644.9	1611.7	1576.3
60°	1484.7	1504.8	1516.2	1527.6	1526.9	1523.0	1506.1	1488.4	1463.5	1443.7	1422.2
62.5°	1325.9	1343.3	1354.5	1365.5	1366.5	1365.0	1352.2	1339.9	1322.9	1310.5	1295.6
65°	1201.0	1213.2	1220.8	1229.6	1229.1	1226.8	1215.3	1205.1	1191.1	1182.4	1171.6
67.5°	1070.3	1079.5	1085.5	1093.8	1095.3	1095.8	1089.6	1084.7	1077.9	1075.4	1071.8
70°	977.3	988.6	998.1	1008.5	1014.2	1016.9	1014.2	1011.8	1007.8	1006.1	1003.2
72.5°	907.0	916.5	923.8	933.3	938.6	942.5	940.4	939.0	935.6	935.1	933.1
75°	819.6	826.1	830.3	837.5	840.3	843.9	842.3	843.1	842.0	844.7	844.6
77.5°	714.5	719.3	721.3	726.5	727.0	731.2	732.3	737.3	740.9	748.9	753.0
80°	596.3	599.3	599.3	604.6	607.0	614.2	617.7	626.0	629.8	636.9	637.4
82.5°	463.1	459.6	463.1	461.0	467.7	475.9	477.0	484.0	485.7	490.0	486.6
85°	316.7	316.4	313.6	314.1	311.9	312.9	311.7	313.0	311.8	311.9	308.7
87.5°	151.7	153.1	149.7	150.8	147.7	149.2	146.3	148.5	145.2	145.7	140.8
90°	37.9	38.8	39.7	40.7	42.2	45.0	48.1	51.0	54.4	57.1	60.3
92.5°	41.6	43.2	44.8	46.4	48.0	52.7	57.5	62.2	67.2	71.6	76.4
95°	47.7	49.1	50.5	52.1	53.5	60.3	67.2	74.0	80.9	87.7	94.6
97.5°	53.8	54.8	55.6	56.6	57.6	65.7	73.7	81.8	89.9	97.9	105.8
100°	62.1	63.2	64.2	65.4	66.4	85.1	103.6	122.2	140.8	159.3	177.9
102.5°	101.5	108.1	114.6	121.3	127.8	172.9	218.0	263.0	307.8	352.9	397.9
105°	232.4	254.3	276.5	298.5	320.4	388.6	456.9	525.1	593.0	661.2	729.4
107.5°	471.0	509.6	548.4	586.9	625.5	689.7	753.8	817.9	882.1	946.1	1010.0
110°	722.3	755.4	789.0	822.3	855.6	906.4	957.5	1008.1	1059.1	1109.9	1160.7



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**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	869.0	889.3	909.6	929.7	950.0	987.4	1024.9	1062.2	1099.6	1136.5	1173.9
115°	907.8	918.3	929.1	939.8	950.7	973.3	995.6	1018.2	1040.7	1063.0	1085.6
117.5°	882.6	886.6	890.5	894.0	897.9	909.5	921.0	932.6	944.1	955.7	967.1
120°	820.3	819.9	819.7	819.2	818.9	822.4	826.1	829.5	833.2	836.6	840.0
122.5°	749.7	746.9	744.4	741.6	739.0	737.5	736.4	734.9	733.9	732.4	731.1
125°	683.0	680.3	677.6	674.7	671.8	668.5	665.3	661.8	658.5	655.1	651.8
127.5°	626.4	623.8	621.5	618.9	616.3	612.5	608.7	604.9	601.3	597.3	593.6
130°	579.5	577.6	575.9	573.7	572.0	568.5	565.3	562.0	558.7	555.3	552.0
132.5°	546.0	544.6	543.5	541.8	540.5	537.4	534.7	531.4	528.4	525.4	522.6
135°	520.4	519.6	518.9	517.8	516.9	514.5	512.3	509.9	507.7	505.2	503.0
137.5°	499.3	498.9	498.6	498.2	497.9	495.8	494.0	492.0	490.2	488.1	486.3
140°	485.9	485.8	485.6	485.1	484.7	482.7	480.7	478.7	476.7	474.6	472.6
142.5°	472.1	472.0	471.8	471.4	471.1	469.5	468.1	466.5	464.8	463.2	461.6
145°	462.0	462.1	462.3	462.0	462.2	460.2	458.6	456.5	454.9	453.0	451.3
147.5°	452.2	452.3	452.6	452.6	452.9	451.2	449.9	448.2	446.9	445.2	443.9
150°	445.1	445.1	445.2	445.0	445.0	443.4	442.1	440.4	439.1	437.3	436.0
152.5°	438.1	438.2	438.4	438.5	438.7	437.2	435.6	434.1	432.5	430.8	429.2
155°	432.2	432.3	432.5	432.5	432.5	431.1	429.7	428.1	426.7	425.2	423.8
157.5°	427.3	427.6	427.8	428.0	428.1	426.9	425.7	424.4	423.2	421.8	420.6
160°	424.1	424.5	424.7	424.8	425.1	424.1	423.2	421.9	421.2	419.8	418.7
162.5°	422.6	423.0	423.2	423.3	423.6	422.6	421.8	420.6	419.6	418.4	417.4
165°	420.1	420.1	420.3	420.2	420.3	419.6	419.0	418.3	417.6	416.8	416.1
167.5°	421.2	421.2	421.4	421.3	421.4	420.8	420.7	420.0	419.4	419.0	418.4
170°	421.2	421.2	421.3	421.2	421.3	420.7	420.4	419.8	419.5	418.8	418.2
172.5°	420.8	420.6	420.5	420.5	420.2	419.8	419.6	419.3	419.1	418.7	418.3
175°	420.4	420.2	420.1	419.9	419.6	419.5	419.3	419.3	419.1	419.1	418.9
177.5°	423.1	422.7	422.1	421.8	421.3	421.1	421.1	420.9	420.9	420.8	420.6
180°	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1



TEST NUMBER: P1444830  
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**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2
2.5°	33603.8	33396.3	33368.8	33383.5	33418.1	33431.0	33468.3	33478.6	33516.3	33525.5	33561.7
5°	34297.2	34022.9	34036.6	34102.5	34202.4	34261.9	34360.0	34411.4	34505.1	34547.7	34632.3
7.5°	35028.4	34812.9	34880.1	34991.3	35127.9	35222.4	35340.3	35417.1	35518.7	35581.8	35663.1
10°	35387.3	35328.3	35402.3	35489.7	35567.7	35628.6	35678.7	35718.6	35744.8	35769.4	35780.1
12.5°	35114.1	35205.5	35218.1	35209.6	35158.0	35118.6	35030.1	34970.0	34863.2	34798.1	34671.1
15°	34101.4	34302.3	34191.0	34022.7	33776.3	33570.8	33280.7	33064.8	32762.6	32557.8	32254.6
17.5°	32324.1	32577.6	32287.8	31898.1	31402.5	30978.5	30450.6	30031.4	29506.4	29124.6	28634.7
20°	29822.0	30058.9	29542.0	28896.1	28129.5	27484.2	26723.3	26116.2	25409.0	24883.1	24248.3
22.5°	26706.6	26875.4	26147.2	25276.5	24299.7	23493.6	22583.8	21856.0	21049.0	20447.8	19770.9
25°	23260.0	23305.6	22432.2	21429.1	20340.3	19434.4	18463.2	17697.9	16874.9	16265.5	15601.2
27.5°	19781.4	19714.6	18770.5	17706.9	16561.8	15620.1	14672.8	13955.7	13235.0	12685.9	12113.7
30°	16498.0	16336.3	15356.0	14262.8	13151.2	12307.2	11520.8	10944.9	10371.5	9936.0	9476.7
32.5°	13487.2	13259.0	12304.8	11280.6	10343.9	9692.6	9109.4	8673.7	8210.6	7842.8	7457.3
35°	10820.2	10577.2	9731.9	8863.5	8154.6	7674.5	7216.2	6858.7	6465.5	6155.2	5820.4
37.5°	8531.5	8332.3	7624.1	6940.9	6404.7	6032.6	5657.0	5364.9	5040.0	4903.4	4545.7
40°	6586.3	6447.0	5893.3	5389.7	4987.0	4812.2	4431.0	4158.1	3915.2	3715.0	3521.2
42.5°	5137.4	5088.1	4549.3	4156.4	3872.9	3652.7	3440.3	3267.8	3100.0	2961.9	2831.6
45°	3770.1	3731.1	3491.9	3265.1	3071.9	2918.0	2774.4	2655.7	2546.0	2455.1	2372.3
47.5°	2935.7	2923.3	2785.5	2644.9	2523.2	2424.3	2331.1	2252.3	2179.5	2118.7	2099.0
50°	2387.8	2386.1	2305.4	2218.5	2131.9	2074.7	2015.2	1968.7	1921.9	1885.5	1847.0
52.5°	2028.8	2020.0	1965.5	1911.9	1860.4	1822.9	1784.8	1755.1	1724.1	1701.7	1677.7
55°	1746.6	1755.9	1724.3	1692.3	1660.1	1636.7	1610.1	1590.4	1569.3	1555.0	1540.6
57.5°	1550.5	1562.8	1546.3	1528.1	1508.5	1493.1	1474.8	1461.2	1447.0	1438.0	1429.6
60°	1408.0	1421.3	1414.7	1405.6	1393.5	1384.3	1372.6	1365.0	1355.9	1350.9	1346.1
62.5°	1287.1	1303.7	1301.3	1297.0	1289.2	1284.2	1277.8	1274.4	1268.3	1266.2	1264.0
65°	1166.3	1185.1	1184.7	1182.6	1178.3	1176.8	1172.8	1172.1	1169.0	1170.2	1170.0
67.5°	1071.4	1087.7	1091.2	1093.8	1093.8	1094.7	1094.3	1095.9	1095.9	1098.3	1099.8
70°	1002.8	1014.2	1016.9	1019.7	1020.4	1022.6	1022.6	1024.0	1023.6	1025.6	1025.8
72.5°	933.6	948.5	951.3	953.4	953.4	955.6	954.5	954.1	951.1	950.6	948.4
75°	847.4	866.6	870.8	873.5	873.9	875.7	873.1	871.6	866.6	864.6	861.1
77.5°	757.4	777.4	780.3	781.3	779.7	780.1	774.6	770.9	764.6	762.0	758.7
80°	640.3	669.6	671.9	670.0	665.5	664.7	659.4	656.0	648.4	645.8	643.0
82.5°	487.3	521.5	526.4	528.4	524.8	525.6	520.6	518.6	511.7	510.4	505.9
85°	307.6	341.9	347.6	346.8	343.0	342.2	339.2	340.2	339.6	341.4	342.5
87.5°	141.3	174.6	182.6	180.0	179.6	177.3	172.0	173.9	177.1	179.2	179.3
90°	63.3	76.3	79.1	77.4	72.6	70.3	65.8	64.1	59.9	58.2	54.2
92.5°	81.1	85.9	90.6	86.5	82.3	78.0	73.8	69.5	65.4	61.0	56.9
95°	101.4	108.1	114.9	109.3	103.5	97.8	92.2	86.6	81.1	75.4	69.8
97.5°	113.9	121.8	129.7	124.1	118.4	112.7	107.1	101.5	95.9	90.2	84.5
100°	196.5	214.6	233.0	217.1	201.0	185.0	169.1	153.0	137.0	121.1	104.9
102.5°	442.7	487.4	532.3	491.8	451.4	410.9	370.6	330.1	289.7	249.2	208.9
105°	797.3	865.0	932.9	871.0	809.3	747.6	686.0	624.3	562.5	500.9	439.3
107.5°	1074.0	1137.3	1200.9	1145.1	1089.2	1033.6	977.6	921.8	866.0	810.2	754.4
110°	1211.4	1261.1	1311.7	1274.0	1236.6	1198.9	1161.5	1123.8	1086.5	1049.1	1011.8



TEST NUMBER: P1444830  
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**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	1211.0	1246.8	1283.6	1261.4	1239.6	1217.4	1195.5	1173.4	1151.7	1129.5	1107.9
115°	1107.8	1128.4	1150.4	1141.5	1132.7	1123.8	1114.9	1106.3	1097.5	1088.7	1080.2
117.5°	978.5	987.9	998.7	996.8	995.1	993.1	991.6	989.7	988.2	986.5	984.9
120°	843.4	844.6	847.4	848.2	849.2	850.0	851.1	851.8	852.8	853.9	855.1
122.5°	729.7	725.8	723.5	724.4	725.1	725.7	726.6	727.3	728.3	729.1	730.1
125°	648.4	642.2	638.0	636.1	634.5	632.6	630.8	629.0	627.5	625.8	624.2
127.5°	589.6	582.8	578.3	574.5	570.8	566.9	563.2	559.4	555.7	551.8	548.4
130°	548.7	542.1	537.9	533.2	528.8	523.9	519.3	514.6	509.9	505.2	500.7
132.5°	519.4	513.1	509.1	504.7	500.4	495.7	491.3	486.7	482.2	477.6	473.3
135°	500.7	494.8	491.6	487.4	483.6	479.4	475.3	471.0	467.1	462.7	458.9
137.5°	484.3	478.5	475.9	472.5	469.4	466.0	462.8	459.3	456.0	452.4	449.2
140°	470.5	464.5	461.6	459.8	457.9	455.8	453.9	451.8	449.9	447.9	445.8
142.5°	460.0	454.2	451.8	450.5	449.4	447.9	447.0	445.6	444.4	442.7	441.5
145°	449.4	442.9	440.2	439.8	439.8	439.6	439.3	439.1	438.8	438.3	438.1
147.5°	442.3	435.6	433.0	433.2	433.3	433.2	433.5	433.4	433.7	433.7	433.8
150°	434.2	426.7	423.6	424.2	424.5	424.9	425.3	425.7	426.2	426.6	427.0
152.5°	427.4	418.6	415.0	415.5	416.2	416.5	417.1	417.7	418.4	419.0	419.5
155°	422.0	412.3	408.6	408.6	408.9	409.0	409.3	409.6	410.0	410.3	410.8
157.5°	419.1	409.0	405.4	405.1	405.2	405.2	405.3	405.4	405.5	405.7	406.2
160°	417.5	407.4	403.9	403.6	403.6	403.6	403.5	403.5	403.7	403.9	404.1
162.5°	416.0	406.2	402.8	402.5	402.3	402.2	402.3	402.1	402.3	402.2	402.6
165°	415.1	406.5	403.5	403.4	403.5	403.4	403.5	403.7	404.0	404.1	404.4
167.5°	417.7	410.0	407.6	407.2	406.8	406.5	406.5	406.0	406.0	405.7	405.7
170°	417.6	411.5	409.4	409.3	409.5	409.5	409.4	409.4	409.4	409.4	409.6
172.5°	417.9	413.5	411.9	412.1	412.4	412.6	413.0	413.3	413.7	413.9	414.3
175°	418.7	416.0	415.3	415.2	415.4	415.6	415.8	415.9	416.1	416.3	416.7
177.5°	420.6	419.8	419.3	419.3	419.3	419.3	419.3	419.3	419.3	419.5	419.5
180°	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1



TEST NUMBER: P1444830  
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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2
2.5°	33568.5	33607.6	33604.6	33641.2	33639.4	33673.8	33666.9	33696.6	33689.9	33715.2	33700.3
5°	34669.6	34744.0	34768.6	34835.8	34849.7	34909.9	34911.1	34958.9	34953.0	34990.5	34970.5
7.5°	35711.3	35780.8	35813.7	35865.9	35891.9	35935.2	35952.1	35987.6	35996.2	36017.1	36016.5
10°	35799.1	35798.9	35815.2	35807.9	35822.4	35814.0	35831.8	35825.4	35851.7	35845.0	35864.8
12.5°	34616.3	34498.9	34456.1	34350.6	34327.6	34237.0	34243.5	34185.4	34213.5	34177.8	34238.5
15°	32074.2	31801.9	31667.4	31430.6	31356.3	31169.1	31153.9	31029.7	31063.2	30998.2	31093.2
17.5°	28317.6	27889.0	27653.7	27307.9	27170.6	26906.0	26852.9	26692.9	26717.7	26637.1	26751.9
20°	23838.9	23320.8	23024.0	22624.2	22445.9	22130.3	22046.6	21867.6	21890.0	21809.8	21939.7
22.5°	19309.0	18766.7	18431.7	18012.6	17784.8	17488.1	17399.0	17219.2	17229.5	17154.1	17279.0
25°	15146.2	14626.3	14301.1	13920.4	13722.8	13450.7	13357.1	13195.6	13204.8	13142.7	13254.8
27.5°	11716.7	11290.1	11018.0	10698.9	10521.7	10298.0	10206.8	10071.1	10070.7	10025.2	10118.8
30°	9155.9	8800.0	8555.7	8277.8	8111.4	7909.6	7821.4	7700.0	7694.6	7662.3	7736.8
32.5°	7168.9	6852.3	6629.4	6384.9	6235.5	6062.3	5978.9	5881.2	5872.3	5843.1	5904.2
35°	5572.9	5306.3	5114.6	4908.7	4923.9	4668.4	4710.9	4512.3	4458.6	4446.8	4492.2
37.5°	4307.2	4100.7	3945.1	3790.9	3686.4	3578.4	3520.2	3468.1	3462.1	3457.1	3488.9
40°	3371.3	3226.8	3113.7	3007.8	2936.0	2870.0	2833.7	2805.0	2798.2	2794.4	2813.7
42.5°	2728.6	2631.1	2558.1	2493.5	2449.9	2414.1	2394.0	2378.1	2372.8	2373.0	2384.4
45°	2305.4	2246.2	2199.1	2159.0	2131.1	2143.3	2107.3	2126.2	2101.2	2127.0	2110.0
47.5°	2030.1	1979.8	1950.7	1922.3	1905.4	1891.8	1892.3	1892.5	1897.9	1898.7	1904.3
50°	1817.8	1788.7	1768.4	1750.3	1741.5	1734.4	1736.9	1738.7	1743.9	1744.2	1748.3
52.5°	1660.7	1641.6	1629.4	1618.1	1614.2	1610.1	1611.8	1611.1	1613.4	1612.2	1615.5
55°	1532.8	1523.8	1520.0	1515.8	1516.3	1515.3	1516.0	1512.0	1509.5	1506.4	1509.3
57.5°	1427.8	1426.6	1429.2	1431.0	1435.8	1437.5	1438.6	1433.9	1429.5	1425.4	1427.7
60°	1347.1	1349.0	1355.5	1360.6	1367.5	1370.7	1372.7	1370.0	1366.8	1363.5	1365.4
62.5°	1267.3	1270.4	1278.0	1283.8	1292.2	1296.6	1301.3	1301.6	1302.8	1301.6	1302.9
65°	1174.7	1178.5	1185.4	1190.3	1198.0	1201.8	1206.8	1207.7	1210.4	1209.7	1212.1
67.5°	1104.4	1107.8	1113.6	1118.2	1125.1	1129.1	1133.3	1133.6	1134.6	1134.4	1136.5
70°	1029.3	1031.0	1036.2	1040.0	1046.9	1051.0	1055.9	1057.4	1060.5	1061.0	1063.5
72.5°	949.3	948.5	951.7	953.4	958.6	961.7	968.1	971.5	976.6	978.0	979.9
75°	862.1	861.4	865.1	866.6	871.0	874.3	881.2	885.8	893.8	897.2	896.3
77.5°	761.2	763.0	769.9	773.7	779.7	783.7	792.9	800.2	814.8	821.2	814.7
80°	648.4	650.3	657.5	661.0	668.8	673.8	684.0	692.5	705.7	708.6	704.9
82.5°	509.8	510.4	516.7	519.5	529.5	536.8	549.9	556.6	564.8	563.6	562.5
85°	347.6	352.3	360.4	368.4	380.7	392.6	404.8	414.9	407.8	419.0	406.4
87.5°	185.8	185.3	196.1	194.4	211.7	221.7	232.4	237.4	243.1	241.9	242.0
90°	53.0	50.2	50.1	47.0	47.8	44.4	46.1	43.0	45.3	41.5	47.3
92.5°	52.6	50.5	48.1	45.9	43.5	41.4	38.9	36.7	34.4	32.1	34.4
95°	64.2	62.0	60.0	57.8	55.7	53.6	51.5	49.4	47.3	45.2	47.8
97.5°	78.9	77.7	76.5	75.3	74.1	72.8	71.6	70.3	68.9	67.7	69.5
100°	89.0	89.0	89.0	89.0	88.8	88.8	88.8	88.8	88.8	88.8	90.2
102.5°	168.4	164.4	160.4	156.1	152.1	148.1	144.1	140.0	136.0	132.0	138.0
105°	377.5	361.8	345.8	330.1	314.2	298.4	282.6	266.8	251.0	235.2	251.5
107.5°	698.8	669.9	641.0	612.3	583.4	554.6	525.8	497.1	468.3	439.6	465.4
110°	974.3	943.7	913.0	882.5	851.9	821.2	790.8	760.2	729.8	699.2	723.8



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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°	1086.0	1066.0	1046.2	1026.6	1006.7	987.1	967.3	947.8	928.1	908.4	920.4
115°	1071.6	1062.1	1052.6	1043.2	1033.8	1024.2	1014.7	1005.5	996.2	986.9	987.6
117.5°	983.4	980.0	976.8	973.6	970.3	967.2	964.2	961.2	958.0	955.2	948.5
120°	856.4	857.0	857.8	858.7	859.7	860.8	861.7	862.9	864.1	865.3	856.4
122.5°	731.2	733.1	735.3	737.6	739.8	742.2	744.7	747.3	750.0	752.6	743.6
125°	622.5	624.5	626.6	628.7	630.7	633.2	635.7	638.3	640.8	643.6	636.0
127.5°	544.7	545.2	545.6	546.4	547.0	547.9	548.9	550.0	551.3	552.7	547.9
130°	496.0	494.9	493.7	492.7	491.6	491.1	490.4	489.9	489.4	489.1	487.2
132.5°	468.6	466.4	464.1	462.0	460.0	458.2	456.3	454.9	453.4	452.1	451.5
135°	454.5	451.6	448.7	445.8	443.0	440.6	438.1	435.9	433.8	431.7	432.3
137.5°	445.9	443.0	439.9	437.2	434.3	432.0	429.4	427.1	425.0	423.1	424.0
140°	443.7	440.8	437.9	435.1	432.6	430.0	427.6	425.5	423.2	421.4	421.9
142.5°	440.1	437.6	434.8	432.5	429.9	427.6	425.5	423.6	421.4	419.8	420.5
145°	437.7	435.8	433.8	431.9	430.1	428.6	426.7	425.4	424.0	423.0	423.2
147.5°	433.7	432.4	430.8	429.4	427.9	426.9	425.6	424.6	423.5	422.8	422.9
150°	427.4	426.5	425.5	424.6	423.7	423.0	422.2	421.6	420.9	420.5	420.4
152.5°	420.2	419.4	418.5	417.7	417.0	416.4	415.7	415.2	414.7	414.2	414.1
155°	411.1	410.8	410.4	410.3	409.9	409.9	409.6	409.6	409.4	409.4	409.5
157.5°	406.4	406.4	406.2	406.4	406.4	406.5	406.5	406.8	406.7	407.0	407.2
160°	404.6	404.4	404.2	404.3	404.1	404.1	404.1	404.1	404.1	404.1	404.6
162.5°	402.8	403.1	403.2	403.4	403.8	404.1	404.4	404.9	405.2	405.6	406.0
165°	404.8	404.8	404.7	404.6	404.8	405.0	405.0	405.4	405.4	405.7	406.3
167.5°	405.6	405.9	406.0	406.3	406.6	406.9	407.2	407.8	408.2	408.9	409.4
170°	409.5	409.5	409.5	409.5	409.5	409.7	409.8	409.9	410.1	410.5	410.8
172.5°	414.5	414.5	414.3	414.5	414.3	414.5	414.5	414.7	414.7	414.8	415.0
175°	416.6	417.1	417.3	417.6	417.7	417.7	417.9	418.1	418.3	418.6	418.6
177.5°	419.5	419.6	419.6	419.6	419.6	419.7	419.7	419.7	419.7	419.6	419.8
180°	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1



TEST NUMBER: P1444830  
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**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2
2.5°	33725.1	33708.2	33725.5	33708.0	33725.5	33704.5	33718.8	33696.0	33701.8	33678.2	33684.3
5°	35000.3	34973.4	34987.8	34952.8	34956.5	34909.9	34908.9	34854.6	34840.4	34778.5	34751.3
7.5°	36031.5	36022.7	36027.7	36005.1	36002.6	35970.7	35955.6	35910.6	35882.3	35825.4	35786.6
10°	35868.3	35894.5	35901.3	35928.2	35933.7	35960.2	35965.8	35992.4	35997.9	36017.5	36017.8
12.5°	34235.7	34325.0	34346.3	34456.5	34502.9	34629.2	34696.8	34835.8	34918.4	35057.0	35142.1
15°	31090.6	31245.1	31306.6	31521.9	31641.0	31892.4	32050.3	32338.9	32542.6	32849.1	33067.6
17.5°	26762.1	26977.8	27075.2	27367.2	27557.6	27928.6	28196.0	28636.1	28973.0	29462.0	29849.6
20°	21962.0	22201.8	22334.0	22667.0	22891.8	23325.2	23659.0	24199.9	24650.8	25270.5	25800.4
22.5°	17318.2	17546.4	17693.3	18032.1	18285.1	18737.2	19110.3	19681.0	20186.3	20884.6	21520.0
25°	13297.1	13506.3	13638.9	13945.4	14183.1	14598.5	14954.8	15503.7	15998.1	16698.5	17350.0
27.5°	10165.5	10340.6	10468.5	10729.9	10939.5	11291.8	11597.8	12051.5	12477.4	13083.5	13663.6
30°	7782.5	7937.8	8062.3	8289.9	8484.2	8789.6	9058.7	9439.8	9792.3	10274.5	10736.0
32.5°	5947.2	6080.9	6191.7	6390.9	6567.3	6842.3	7084.7	7418.7	7721.3	8130.3	8510.0
35°	4534.5	4797.5	4778.9	5053.7	5097.9	5295.3	5511.5	5803.6	6071.6	6419.3	6742.5
37.5°	3519.5	3593.5	3672.7	3794.2	3921.9	4101.4	4284.1	4641.0	4771.9	5034.7	5302.2
40°	2838.1	2888.1	2940.5	3022.5	3111.9	3238.4	3371.5	3541.7	3716.1	3929.2	4146.8
42.5°	2399.4	2427.7	2460.9	2509.2	2564.3	2644.6	2733.5	2849.0	2970.3	3120.3	3273.3
45°	2143.7	2130.3	2140.2	2166.1	2199.2	2248.1	2304.2	2375.7	2454.7	2551.9	2655.3
47.5°	1905.4	1910.8	1913.8	1927.9	1945.6	1978.3	2012.4	2060.9	2154.6	2183.1	2239.5
50°	1748.0	1750.6	1749.7	1756.9	1765.8	1787.1	1809.2	1842.0	1874.8	1918.4	1959.8
52.5°	1616.0	1619.7	1619.2	1624.0	1628.7	1642.2	1656.1	1679.3	1700.8	1728.5	1752.3
55°	1511.8	1516.9	1518.9	1522.8	1525.2	1532.2	1537.8	1548.9	1558.0	1573.6	1588.1
57.5°	1431.7	1438.6	1441.8	1443.2	1440.3	1440.0	1438.1	1440.5	1442.3	1450.8	1458.9
60°	1368.6	1374.2	1375.0	1374.2	1369.0	1365.3	1359.4	1357.5	1356.6	1360.6	1365.0
62.5°	1302.6	1304.6	1303.2	1301.6	1295.6	1292.1	1286.0	1283.7	1281.6	1284.5	1286.8
65°	1211.2	1213.0	1211.2	1210.2	1204.9	1202.1	1196.9	1195.2	1192.2	1193.0	1192.5
67.5°	1137.1	1138.8	1137.4	1136.0	1132.3	1130.6	1126.8	1124.3	1120.8	1119.4	1116.9
70°	1063.1	1064.5	1062.4	1061.0	1056.8	1055.2	1051.6	1050.9	1048.0	1047.4	1044.6
72.5°	978.0	978.1	975.2	974.3	971.2	971.1	969.7	971.1	970.9	972.4	971.7
75°	891.0	889.8	886.1	885.4	883.1	884.2	882.6	884.7	885.0	888.1	888.5
77.5°	803.8	799.3	792.3	788.9	784.3	783.6	780.9	782.8	782.1	785.8	787.3
80°	693.8	688.2	679.2	674.9	669.3	668.5	665.9	668.5	667.2	671.5	674.6
82.5°	553.9	549.1	539.7	536.3	529.8	530.5	527.7	530.5	530.1	536.4	540.2
85°	409.7	406.5	396.9	388.3	378.8	373.3	367.9	366.9	365.3	367.9	370.0
87.5°	236.6	233.7	226.1	221.2	204.6	205.2	198.7	198.3	196.8	195.3	198.7
90°	46.8	51.7	51.4	55.9	56.1	61.3	61.9	66.8	66.8	71.9	72.7
92.5°	36.7	38.9	41.3	43.5	45.8	48.1	50.4	52.6	57.6	62.2	67.4
95°	50.4	53.1	55.7	58.3	60.9	63.6	66.2	68.8	76.0	83.2	90.4
97.5°	71.5	72.9	74.7	76.5	78.3	79.9	81.7	83.5	91.4	99.1	106.9
100°	91.6	93.0	94.4	95.9	97.3	98.7	100.1	101.5	116.5	131.5	146.4
102.5°	143.9	149.9	155.9	161.8	168.0	173.9	179.9	185.9	220.1	254.3	288.5
105°	267.8	284.2	300.5	316.9	333.2	349.6	366.0	382.3	437.1	491.9	546.8
107.5°	491.2	516.9	542.7	568.6	594.4	620.2	646.0	672.0	725.4	779.0	832.4
110°	748.3	773.0	797.5	822.2	846.7	871.5	896.1	920.9	953.1	985.1	1017.3



TEST NUMBER: P1444830  
 CATALOG NUMBER: EHBR1-42-UNV-TA-L940-UPL30

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	932.4	944.3	956.4	968.4	980.5	992.7	1004.7	1016.9	1033.0	1049.1	1065.2
115°	988.4	989.1	990.1	990.9	991.8	992.7	993.8	994.8	1000.0	1005.2	1010.4
117.5°	942.0	935.4	929.0	922.4	916.1	909.8	903.6	897.5	896.5	895.6	894.9
120°	847.8	839.0	830.3	821.5	813.0	804.5	796.2	787.8	783.6	779.5	775.4
122.5°	734.9	726.2	717.6	709.0	700.5	692.2	684.0	675.8	673.0	670.1	667.5
125°	628.7	621.5	614.3	607.3	600.5	593.6	587.0	580.3	580.5	580.4	580.8
127.5°	543.5	539.1	534.9	530.9	526.9	522.9	519.1	515.3	517.5	519.8	522.0
130°	485.2	483.4	481.8	480.2	479.0	477.6	476.2	475.0	478.8	482.2	486.0
132.5°	451.5	451.2	451.3	451.3	451.7	451.8	452.5	452.7	457.0	461.0	465.3
135°	432.8	433.5	434.5	435.4	436.7	437.8	439.2	440.3	444.5	448.3	452.4
137.5°	424.9	425.9	427.3	428.5	430.1	431.5	433.3	434.8	438.1	441.2	444.5
140°	422.9	423.5	424.7	425.9	427.2	428.3	429.9	431.2	434.0	436.4	439.0
142.5°	421.4	421.9	423.1	424.2	425.4	426.4	427.8	428.9	430.9	432.7	435.0
145°	424.0	424.5	425.4	426.0	427.0	427.9	428.9	429.9	431.3	432.4	433.8
147.5°	423.4	423.8	424.4	425.0	425.8	426.3	427.0	427.6	428.7	429.5	430.4
150°	420.7	420.8	421.2	421.5	422.0	422.4	423.0	423.3	424.1	424.8	425.7
152.5°	414.6	414.6	415.0	415.2	415.6	416.0	416.3	416.7	417.5	418.0	418.9
155°	409.8	410.4	410.9	411.2	411.9	412.1	412.7	413.1	413.7	414.2	414.8
157.5°	407.8	408.0	408.6	408.9	409.5	409.8	410.3	410.7	411.3	411.7	412.2
160°	405.3	405.9	406.5	407.1	407.8	408.3	409.0	409.6	410.2	410.6	411.0
162.5°	406.6	407.0	407.5	407.9	408.3	408.9	409.3	409.7	410.6	410.9	411.8
165°	406.9	407.5	408.3	408.6	409.5	410.1	410.7	411.3	411.7	412.3	412.6
167.5°	410.0	410.5	411.3	411.8	412.4	413.0	413.7	414.2	414.7	415.0	415.4
170°	411.3	411.9	412.4	412.9	413.5	413.9	414.6	415.0	415.7	416.1	416.8
172.5°	415.4	415.8	416.3	416.4	416.9	417.5	417.9	418.2	418.8	419.2	419.6
175°	418.6	418.6	418.7	418.9	419.0	419.0	419.1	419.3	419.4	419.6	419.7
177.5°	420.0	420.2	420.4	420.5	420.6	420.8	421.0	421.2	421.2	421.2	421.2
180°	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1



TEST NUMBER: P1444830  
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**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2
2.5°	33660.7	33662.2	33635.0	33633.5	33608.1	33604.9	33580.1	33572.6	33552.5	33545.2	33524.7
5°	34682.0	34648.9	34572.4	34527.5	34452.0	34401.9	34320.2	34266.9	34188.0	34128.6	34049.2
7.5°	35714.8	35663.5	35577.7	35508.2	35403.4	35319.7	35197.1	35096.6	34963.8	34848.9	34709.4
10°	36017.8	36009.9	35988.0	35956.1	35907.4	35852.6	35769.1	35682.1	35565.7	35439.3	35284.2
12.5°	35272.4	35352.9	35462.6	35527.7	35606.8	35641.5	35673.9	35665.8	35644.5	35580.5	35490.9
15°	33384.3	33610.5	33909.9	34142.0	34409.0	34603.1	34817.4	34951.0	35084.1	35145.6	35183.2
17.5°	30380.8	30809.1	31346.1	31791.0	32304.4	32716.9	33168.9	33509.2	33859.2	34110.0	34336.7
20°	26522.8	27143.2	27902.7	28573.6	29353.7	30031.7	30774.6	31384.5	32013.5	32505.3	32970.8
22.5°	22338.2	23075.0	23993.2	24843.7	25849.4	26753.3	27773.0	28660.6	29587.3	30361.6	31110.1
25°	18223.3	19031.4	20035.3	20984.2	22123.2	23174.6	24384.1	25490.2	26688.0	27727.8	28755.1
27.5°	14465.8	15259.1	16284.1	17294.2	18498.7	19619.0	20914.8	22133.5	23497.3	24754.9	26041.5
30°	11377.4	12050.4	12969.4	13947.9	15135.7	16275.8	17585.6	18839.0	20257.8	21630.9	23080.1
32.5°	9014.0	9526.6	10249.2	11076.5	12172.6	13257.8	14505.1	15715.0	17112.2	18499.3	20006.4
35°	7158.8	7558.6	8109.5	8755.1	9683.3	10618.8	11722.0	12822.3	14125.8	15442.1	16907.0
37.5°	5645.1	5969.5	6401.0	6886.0	7630.5	8398.1	9302.8	10215.0	11347.6	12514.4	13842.0
40°	4408.2	4670.9	5006.8	5368.4	5930.6	6522.2	7221.7	7929.1	8839.1	9792.7	10891.5
42.5°	3463.0	3656.8	3894.0	4158.3	4682.8	4996.9	5471.3	5982.9	6651.9	7344.2	8170.3
45°	2781.1	2913.3	3077.8	3255.1	3498.5	3764.9	4089.8	4430.5	5066.0	5377.7	5880.2
47.5°	2322.5	2411.2	2515.9	2627.6	2771.2	2926.1	3118.8	3315.8	3570.6	3834.7	4144.2
50°	2013.7	2103.8	2139.8	2197.7	2280.8	2369.3	2477.9	2586.5	2723.2	2861.6	3021.0
52.5°	1784.4	1813.7	1852.9	1889.7	1941.2	2041.9	2074.5	2131.2	2207.9	2282.8	2366.6
55°	1609.3	1628.5	1653.9	1676.1	1707.2	1737.0	1779.9	1817.7	1868.8	1914.0	1969.6
57.5°	1473.0	1485.3	1502.9	1517.5	1537.6	1554.5	1579.6	1600.1	1629.4	1655.0	1688.7
60°	1374.1	1382.2	1394.0	1403.5	1416.4	1425.1	1437.6	1447.2	1462.8	1475.7	1494.5
62.5°	1293.2	1297.4	1305.1	1310.7	1318.8	1323.3	1330.0	1334.2	1342.7	1349.2	1359.7
65°	1196.1	1197.2	1202.4	1204.7	1211.1	1213.5	1218.9	1220.8	1227.9	1232.8	1242.0
67.5°	1116.7	1114.4	1114.6	1112.8	1113.6	1111.7	1112.2	1110.2	1113.1	1114.6	1121.6
70°	1044.1	1041.0	1040.0	1036.6	1035.7	1032.3	1031.2	1028.2	1027.8	1026.8	1029.3
72.5°	973.4	972.5	972.7	970.4	970.1	967.8	967.9	966.5	968.1	968.8	972.0
75°	892.1	892.2	893.8	891.8	892.3	890.4	891.1	889.3	890.3	889.9	893.1
77.5°	793.0	795.3	799.6	798.8	800.2	798.0	798.9	796.4	797.1	795.3	796.6
80°	681.7	686.6	692.4	692.1	694.6	693.1	695.2	692.8	693.8	690.8	690.1
82.5°	549.5	553.7	559.8	560.1	565.5	566.4	572.5	572.3	576.1	573.6	571.9
85°	375.6	378.4	383.9	386.9	392.4	395.9	401.7	404.1	399.9	407.5	401.4
87.5°	196.1	203.5	199.4	208.9	206.6	216.2	214.2	223.0	221.4	229.0	228.0
90°	79.0	80.3	86.9	88.6	96.4	98.8	102.0	99.0	101.8	99.1	102.1
92.5°	72.0	77.2	82.2	87.0	92.0	97.0	92.3	87.8	83.2	78.7	74.1
95°	97.5	104.8	112.0	119.2	126.3	133.5	125.8	118.1	110.5	102.8	95.0
97.5°	114.6	122.2	130.0	137.7	145.5	153.3	144.1	135.0	125.9	116.8	107.8
100°	161.3	176.4	191.3	206.2	221.2	236.1	219.1	202.2	185.3	168.3	151.3
102.5°	322.9	357.1	391.5	425.8	460.0	494.2	458.3	422.3	386.3	350.3	314.2
105°	601.7	656.5	711.3	766.2	821.1	876.1	817.6	759.2	700.8	642.5	583.9
107.5°	886.0	939.5	993.1	1046.5	1100.2	1153.8	1094.7	1035.3	976.2	916.8	857.6
110°	1049.6	1081.7	1114.1	1146.4	1178.5	1211.0	1167.6	1124.5	1081.3	1038.0	994.8



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**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	1081.4	1097.8	1113.9	1130.2	1146.4	1162.7	1131.9	1101.1	1070.2	1039.4	1008.4
115°	1015.7	1021.0	1026.3	1031.6	1036.8	1042.2	1021.5	1000.7	980.1	959.3	938.4
117.5°	894.2	893.6	892.7	892.3	891.4	890.7	879.3	867.8	856.2	844.5	833.0
120°	771.2	767.3	763.2	759.1	755.0	750.8	746.2	741.4	736.5	731.7	726.7
122.5°	664.6	662.1	659.2	656.6	653.6	650.8	649.2	647.5	645.7	644.0	642.0
125°	580.9	581.0	581.1	581.3	581.3	581.4	580.6	579.9	579.0	578.3	577.4
127.5°	524.1	526.4	528.4	530.6	532.5	534.7	534.6	534.6	534.5	534.4	534.3
130°	489.4	493.3	496.8	500.1	503.5	507.2	506.7	506.4	506.1	505.8	505.3
132.5°	469.4	473.5	477.4	481.6	485.5	489.4	488.9	488.6	487.8	487.5	487.0
135°	456.2	460.2	463.9	467.9	471.4	475.2	474.5	473.9	473.1	472.6	471.9
137.5°	447.5	450.8	453.8	457.0	459.7	462.8	462.0	461.4	460.6	460.0	459.2
140°	441.4	443.9	446.2	448.8	451.1	453.5	452.5	451.7	450.6	449.8	448.6
142.5°	436.8	438.8	440.4	442.4	444.2	446.1	444.4	443.1	441.7	440.3	438.9
145°	435.1	436.4	437.6	438.9	439.7	441.1	439.4	437.8	435.9	434.3	432.7
147.5°	431.2	432.0	432.6	433.5	434.0	434.9	433.1	431.5	429.9	428.1	426.4
150°	426.2	427.1	427.6	428.4	428.9	429.7	427.8	426.1	424.3	422.6	420.7
152.5°	419.5	420.1	420.6	421.2	421.8	422.3	420.5	419.1	417.3	415.5	413.8
155°	415.0	415.7	415.9	416.4	416.5	416.9	415.3	414.1	412.6	411.1	409.6
157.5°	412.5	413.1	413.5	413.7	413.9	414.3	413.2	412.3	410.9	409.9	408.7
160°	411.4	411.8	412.2	412.4	412.8	412.9	412.0	411.3	410.3	409.3	408.2
162.5°	412.3	412.8	413.3	413.7	414.2	414.7	413.6	412.6	411.5	410.4	409.1
165°	413.0	413.4	413.7	414.1	414.2	414.6	413.8	413.2	412.3	411.6	410.8
167.5°	415.7	416.2	416.4	416.8	416.9	417.2	416.4	415.9	415.0	414.3	413.5
170°	417.1	417.5	418.0	418.4	418.8	419.1	418.6	418.0	417.3	416.7	416.0
172.5°	420.1	420.5	420.6	421.0	421.2	421.7	421.0	420.4	419.7	419.1	418.3
175°	419.7	419.8	420.1	420.1	420.1	420.2	419.6	419.1	418.6	418.0	417.6
177.5°	421.2	421.2	421.2	421.1	421.1	421.1	420.7	420.4	420.1	419.7	419.1
180°	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1



TEST NUMBER: P1444830  
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**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2	33308.2
2.5°	33517.3	33502.8	33493.4	33481.5	33474.2	33464.9	33458.1	33452.3	33447.7	33443.3	33440.1
5°	33988.7	33913.8	33855.6	33792.6	33740.9	33689.3	33649.6	33616.7	33593.9	33576.9	33566.7
7.5°	34588.7	34451.6	34329.6	34201.3	34086.2	33973.0	33875.5	33791.4	33728.4	33687.5	33662.7
10°	35124.6	34941.1	34759.5	34568.4	34387.1	34211.4	34049.2	33906.5	33793.6	33718.5	33674.7
12.5°	35364.9	35208.5	35023.1	34815.5	34593.5	34368.8	34149.7	33952.2	33786.5	33675.3	33611.1
15°	35153.3	35089.0	34963.3	34802.2	34591.4	34359.2	34102.0	33860.3	33638.0	33493.8	33410.2
17.5°	34465.1	34554.7	34545.0	34483.5	34332.0	34136.4	33874.4	33603.0	33324.8	33132.1	33026.8
20°	33303.7	33585.5	33728.4	33801.7	33742.2	33615.4	33378.2	33102.6	32778.5	32526.9	32373.3
22.5°	31671.7	32169.0	32478.9	32705.8	32753.9	32710.7	32501.2	32239.1	31877.8	31575.3	31348.6
25°	29570.6	30299.3	30789.1	31173.2	31322.3	31360.9	31182.5	30922.0	30519.2	30166.9	29855.4
27.5°	27096.0	28042.8	28696.7	29212.8	29445.7	29546.7	29382.6	29116.7	28640.3	28219.6	27812.8
30°	24310.0	25433.3	26220.7	26839.4	27123.4	27256.8	27082.5	26785.7	26231.2	25725.2	25212.6
32.5°	21328.1	22557.3	23415.3	24087.2	24368.6	24494.2	24266.1	23932.9	23291.9	22695.6	22098.0
35°	18206.0	19446.7	20312.1	20966.1	21201.8	21277.6	20986.0	20600.7	19890.6	19236.2	18584.5
37.5°	15020.5	16174.8	16961.2	17548.2	17694.1	17707.1	17355.8	16930.3	16184.0	15538.7	14889.9
40°	11862.4	12835.8	13470.8	13940.7	13991.3	13946.1	13564.1	13135.9	12437.7	11859.7	11290.1
42.5°	8887.6	9622.5	10075.5	10397.4	10378.3	10289.1	9938.9	9570.7	8994.8	8554.5	8106.2
45°	6339.1	6823.7	7088.5	7276.9	7216.4	7131.4	6858.8	6600.8	6209.3	5925.0	5623.7
47.5°	4403.9	4982.4	4881.7	5250.1	4932.7	5142.3	4705.8	4465.2	4257.4	4106.3	3936.1
50°	3152.8	3285.4	3349.5	3393.1	3369.9	3337.7	3259.3	3189.2	3094.3	3025.1	2944.5
52.5°	2434.9	2501.1	2537.4	2563.7	2558.5	2546.7	2512.6	2481.3	2436.9	2407.7	2372.3
55°	2062.4	2063.4	2130.1	2101.5	2143.8	2094.2	2113.7	2058.8	2067.7	2020.6	1988.8
57.5°	1713.8	1741.0	1753.2	1765.0	1761.6	1759.6	1746.4	1739.7	1724.8	1720.2	1709.6
60°	1507.5	1521.7	1524.6	1530.1	1525.5	1523.8	1513.5	1509.7	1499.8	1497.9	1490.8
62.5°	1366.1	1373.3	1373.3	1373.3	1367.4	1361.7	1350.2	1344.2	1335.7	1333.8	1329.7
65°	1248.0	1255.6	1256.8	1258.4	1254.1	1249.6	1239.5	1232.9	1224.2	1220.8	1216.2
67.5°	1126.2	1134.2	1136.9	1141.0	1138.6	1137.6	1130.7	1128.1	1122.4	1121.0	1116.7
70°	1030.5	1033.8	1033.6	1033.5	1028.1	1023.2	1015.2	1011.4	1005.3	1004.1	1000.1
72.5°	973.6	976.0	974.5	972.4	965.4	958.2	948.8	941.9	934.0	929.0	923.4
75°	893.4	896.6	894.6	893.3	886.9	882.3	874.7	870.9	865.3	863.7	859.9
77.5°	795.1	796.6	793.4	793.0	788.2	785.2	779.5	778.6	774.5	774.6	770.9
80°	685.6	684.8	679.5	678.6	673.8	672.6	668.1	668.4	665.1	666.5	663.9
82.5°	564.1	561.0	554.2	552.3	546.7	546.2	543.2	545.8	543.8	546.7	545.0
85°	404.2	405.2	402.2	402.2	400.6	401.1	400.8	402.7	402.9	405.6	405.5
87.5°	225.4	228.6	228.0	231.0	230.9	234.2	235.2	240.2	240.8	245.4	245.4
90°	99.3	102.7	99.9	103.4	102.3	106.8	106.5	111.1	110.0	113.8	111.9
92.5°	69.5	64.9	60.5	55.8	53.6	51.0	49.3	46.4	44.4	41.8	39.6
95°	87.3	79.7	71.9	64.2	61.6	58.9	56.2	53.6	51.0	48.4	45.7
97.5°	98.7	89.5	80.4	71.3	68.9	66.7	64.3	62.0	59.7	57.5	55.2
100°	134.3	117.2	100.3	83.2	81.2	79.4	77.4	75.5	73.6	71.5	69.5
102.5°	278.1	242.0	205.9	169.7	162.9	156.1	149.2	142.3	135.5	128.6	121.8
105°	525.4	466.8	408.3	349.7	331.1	312.6	293.9	275.3	256.7	238.1	219.5
107.5°	798.2	738.7	679.4	619.9	585.7	551.3	517.0	482.4	448.2	413.7	379.3
110°	951.6	908.2	864.8	821.3	793.9	766.1	738.4	710.7	683.2	655.2	627.6



TEST NUMBER: P1444830  
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**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	977.4	946.5	915.4	884.2	871.8	859.3	846.9	834.3	821.7	809.0	796.5
115°	917.5	896.7	875.7	854.6	850.4	845.9	841.6	837.1	832.7	828.1	823.6
117.5°	821.4	809.7	798.0	786.2	787.0	787.7	788.6	789.2	789.9	790.4	791.1
120°	721.7	716.9	712.0	706.9	711.0	714.7	718.8	722.3	726.1	729.6	733.2
122.5°	640.2	638.3	636.5	634.5	639.3	644.0	648.6	653.2	657.6	661.8	666.2
125°	576.7	575.8	574.9	573.8	578.7	583.4	588.1	592.5	597.2	601.4	605.7
127.5°	534.3	534.2	534.1	533.9	537.6	540.7	544.2	547.2	550.5	553.3	556.4
130°	505.0	504.5	504.3	503.8	507.0	510.1	513.2	515.9	518.9	521.3	524.0
132.5°	486.6	485.9	485.5	484.8	487.3	489.5	491.8	493.7	495.6	497.2	499.0
135°	471.2	470.4	469.8	469.0	471.2	473.4	475.4	477.2	479.1	480.5	482.0
137.5°	458.6	457.8	457.1	456.2	458.3	460.1	462.1	463.7	465.3	466.7	468.0
140°	447.8	446.8	446.0	444.9	446.6	448.2	450.0	451.4	452.9	453.9	455.2
142.5°	437.5	435.8	434.7	433.1	434.4	435.6	436.8	437.9	439.0	439.7	440.5
145°	430.9	429.0	427.4	425.7	426.8	427.6	428.7	429.6	430.1	430.7	431.4
147.5°	424.9	423.0	421.3	419.5	420.5	421.2	421.7	422.2	423.0	423.3	423.6
150°	419.0	416.9	415.1	413.3	413.8	414.4	414.8	415.4	415.9	416.2	416.4
152.5°	412.0	410.2	408.4	406.5	406.9	407.3	407.6	407.9	408.2	408.5	408.6
155°	408.2	406.6	405.0	403.2	403.8	404.0	404.1	404.4	404.5	404.7	404.7
157.5°	407.5	406.0	405.0	403.6	403.6	403.7	403.8	403.5	403.4	403.2	403.0
160°	407.4	406.1	405.1	404.0	403.9	403.9	404.0	403.6	403.5	403.1	402.9
162.5°	407.9	406.7	405.4	404.1	404.0	404.1	404.0	403.7	403.5	403.2	403.0
165°	410.0	409.0	408.1	407.0	406.9	406.7	406.6	406.0	405.8	405.3	404.9
167.5°	412.5	411.7	410.6	409.6	409.6	409.6	409.6	409.4	409.3	408.9	408.9
170°	415.3	414.5	413.8	413.0	412.7	412.6	412.3	412.1	411.7	411.5	411.1
172.5°	417.6	416.8	416.1	415.0	415.0	415.0	414.7	414.6	414.2	413.9	413.8
175°	416.9	416.4	415.6	415.0	415.0	414.9	414.7	414.6	414.3	414.2	413.9
177.5°	418.8	418.5	417.9	417.6	417.4	417.4	417.3	417.2	417.2	417.0	416.9
180°	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1



TEST NUMBER: P1444830  
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**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	33308.2	33308.2
2.5°	33437.1	33435.5
5°	33561.4	33559.5
7.5°	33656.0	33655.4
10°	33667.2	33672.9
12.5°	33600.0	33604.6
15°	33403.8	33413.0
17.5°	33028.8	33040.8
20°	32382.7	32395.2
22.5°	31336.4	31341.6
25°	29815.2	29793.6
27.5°	27741.3	27704.2
30°	25105.0	25069.0
32.5°	21961.7	21939.2
35°	18423.4	18409.2
37.5°	14698.2	14669.3
40°	11081.8	10997.6
42.5°	7910.0	7762.2
45°	5466.4	5291.3
47.5°	3816.1	3707.9
50°	2892.6	2857.6
52.5°	2356.9	2348.8
55°	1988.7	1985.1
57.5°	1711.9	1710.7
60°	1494.5	1494.2
62.5°	1332.4	1333.1
65°	1218.3	1218.5
67.5°	1117.8	1117.0
70°	1001.6	1000.8
72.5°	921.7	920.3
75°	859.9	859.1
77.5°	772.1	770.7
80°	665.6	663.9
82.5°	547.4	545.5
85°	408.3	408.4
87.5°	249.9	249.7
90°	115.4	112.9
92.5°	37.5	35.6
95°	43.0	40.4
97.5°	52.9	50.6
100°	67.6	65.7
102.5°	114.9	108.1
105°	201.0	182.3
107.5°	344.9	310.5
110°	599.8	572.1



TEST NUMBER: P1444830  
CATALOG NUMBER: EHBR1-42-UNV-TA-L940-UPL30

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	783.8	771.1
115°	818.8	814.3
117.5°	791.4	791.8
120°	736.4	739.9
122.5°	670.2	674.2
125°	609.7	613.7
127.5°	558.9	561.4
130°	525.9	528.2
132.5°	500.3	501.5
135°	483.1	484.3
137.5°	468.8	469.8
140°	455.9	456.6
142.5°	441.0	441.5
145°	431.7	432.1
147.5°	423.4	423.7
150°	416.4	416.5
152.5°	408.5	408.7
155°	404.6	404.6
157.5°	402.7	402.5
160°	402.6	402.4
162.5°	402.6	402.4
165°	404.3	403.8
167.5°	408.4	408.3
170°	410.8	410.5
172.5°	413.5	413.2
175°	413.8	413.7
177.5°	416.9	416.6
180°	419.1	419.1

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-7

Test Date: 08/04/2025

Luminaire Tested: EHBR-60-L940-N

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

**Test Information**

Test Method: LM-79-2019  
 Report Number: SP1-2506-472-7  
 Test Lab: COOPER LIGHTING SOLUTIONS  
 Photometer: SP1 - 76IN SPHERE  
 Measurement Geometry: 4π  
 Issue Date: 08/05/2025  
 Manufacturer: COOPER LIGHTING SOLUTIONS  
 Product Line: Metalux  
 Catalog Number: **EHBR-60-L940-N**  
 Description: Elevate Round Highbay at, 60000 lumens, 4000K 90CRI LEDs with N lens

**Spectral Parameters**

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

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



**Test Conditions**

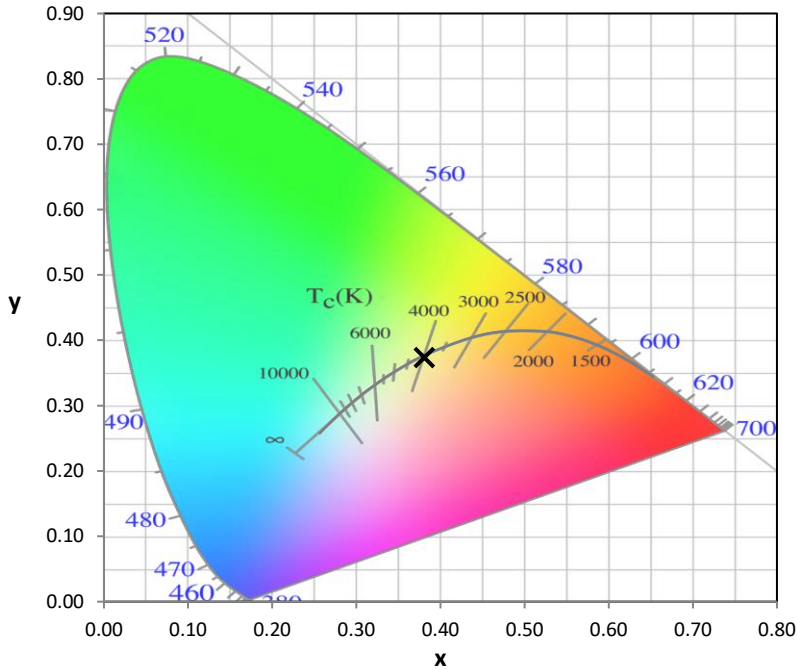
Stabilization Time: 44M  
 Operation Time: 1H 44M  
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-7

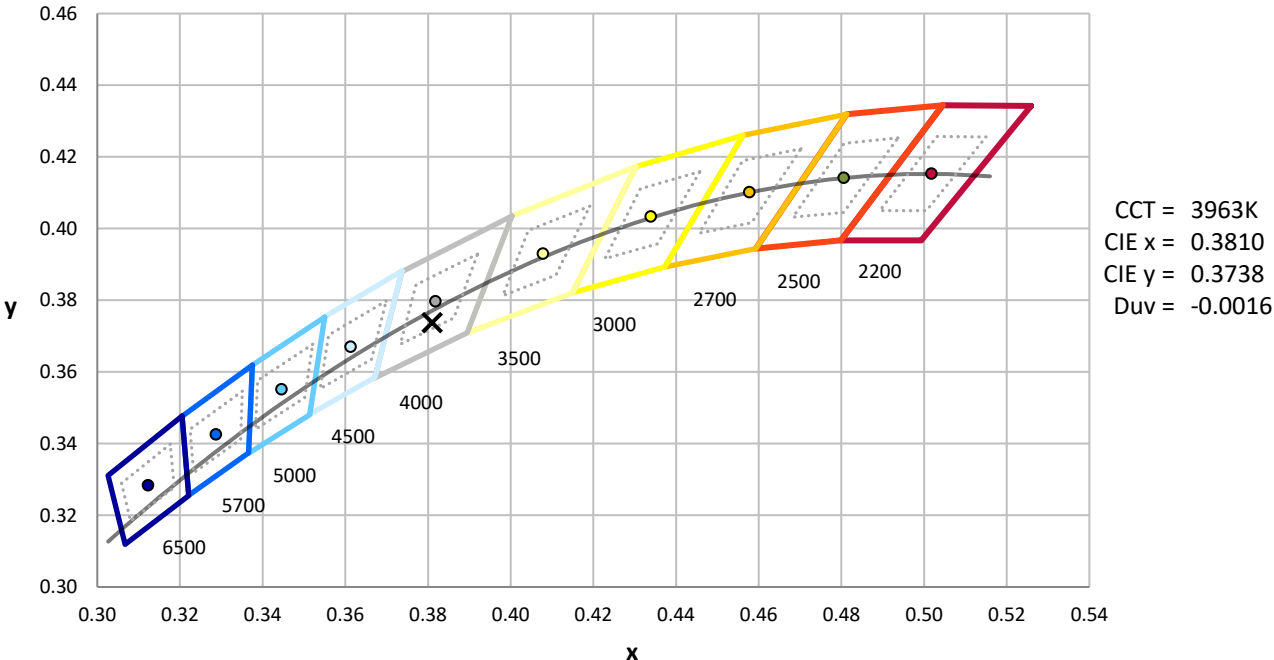
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208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

REPORT NUMBER: SP1-2506-472-7

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-7

**Photopic Flux vs. Wavelength**

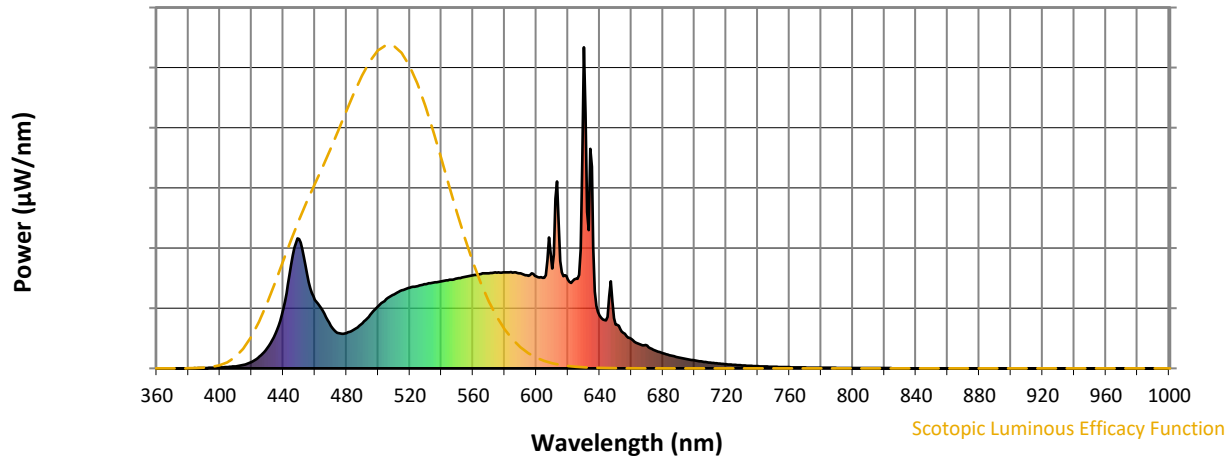


**Photopic Lumens: NR**

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

REPORT NUMBER: SP1-2506-472-7

**Scotopic Flux vs. Wavelength**



**Scotopic Lumens: NR**

**S/P: 1.76**

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

REPORT NUMBER: SP1-2506-472-7

**Melanopic Flux vs. Wavelength**



**Melanopic Lumens: NR**

**M/P: 3.64**

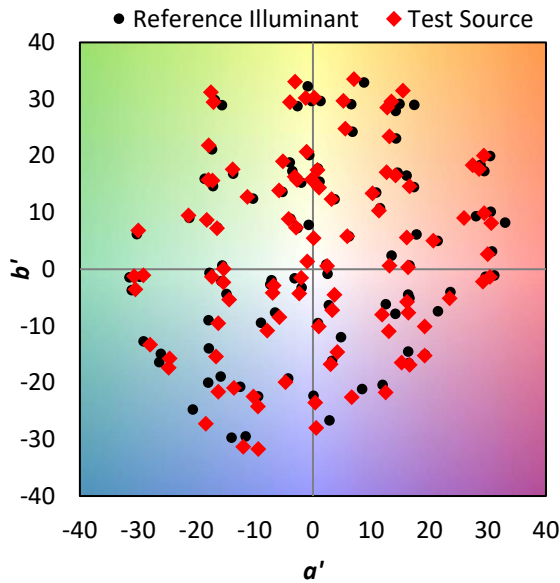
λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	141	NR	620	276	NR	750	5	NR	880	0	NR
365	0	NR	495	167	NR	625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

**Summary**

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



**Color Vector Graphics**

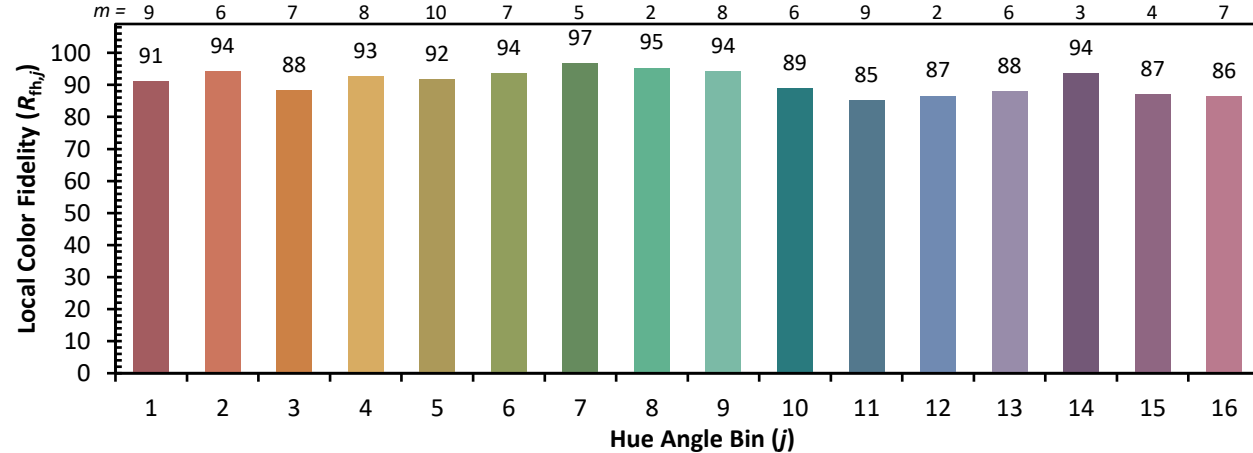


**Individual Sample Fidelity Index ( $R_{f,i}$ )**

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



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)