

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: P1444448

Luminaire Tested: EHBR1-24-UNV-TA-L830-UPL40

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444448
REPORT IS A COMBINATION OF REPORTS P1444356 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-24-UNV-TA-L830-UPL40
Description: Elevate Round Highbay at, 24000 lumens, 3000K 80CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

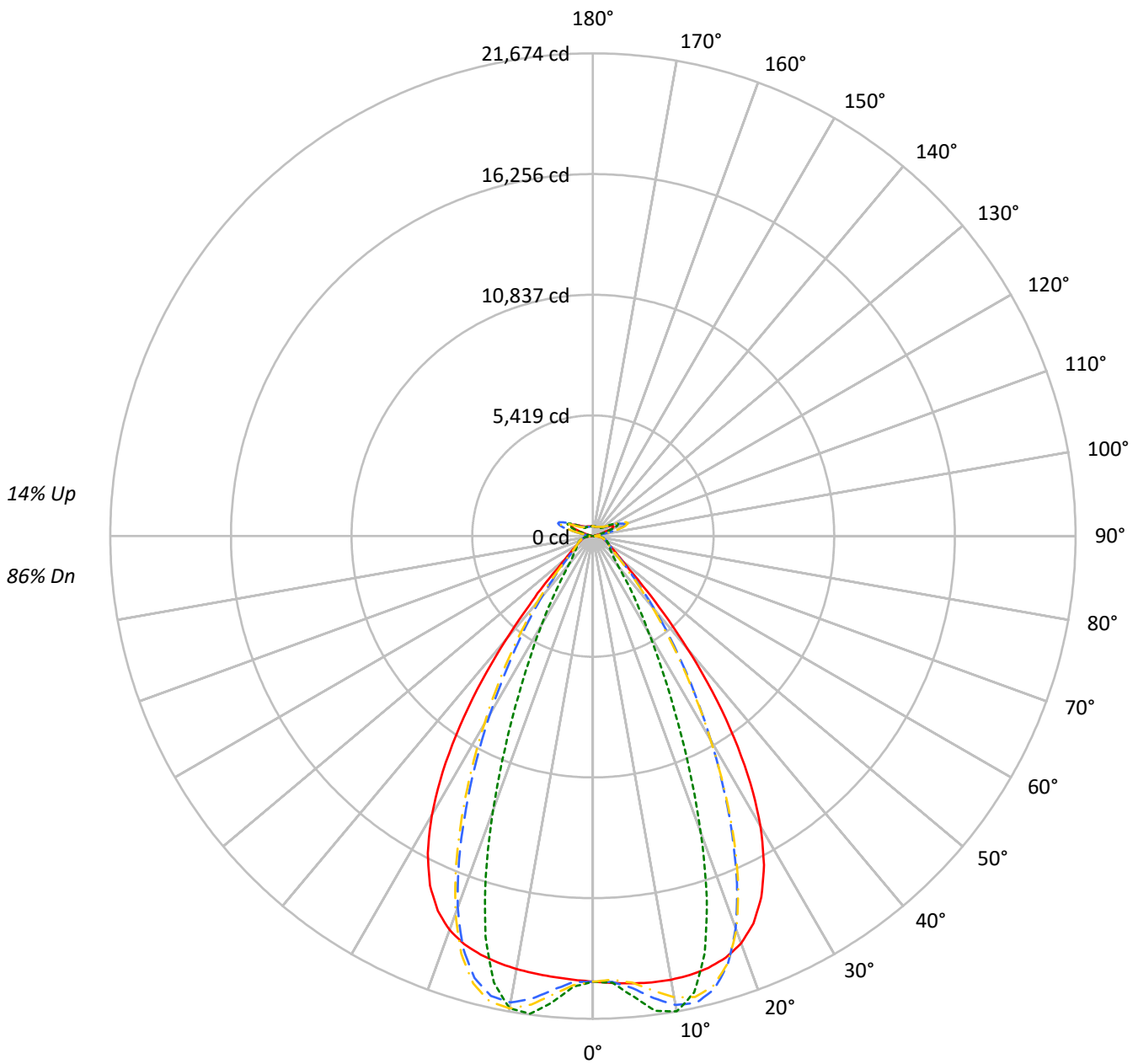
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26796.4 lumens
Efficiency: N/A
Efficacy: 168.6 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: Semi-Direct

Input Watts (W): 158.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	116	116	116	116	111	111	111	111	103	103	103	96	96	96	89	89	89	89	89	89	86
1	108	105	102	99	104	101	99	96	95	93	91	89	87	85	83	82	80	80	80	80	78
2	102	96	91	86	98	93	88	84	87	83	80	82	79	77	77	75	73	73	73	73	70
3	95	87	81	77	92	85	80	75	80	76	72	76	72	69	72	69	67	67	67	67	64
4	89	80	74	69	86	78	72	68	74	69	65	71	66	63	67	64	61	61	61	61	59
5	84	74	68	63	81	72	66	62	69	64	60	66	61	58	63	59	56	56	56	56	54
6	79	69	62	57	77	67	61	56	64	59	55	61	57	53	59	55	52	52	52	52	50
7	75	64	57	53	72	63	56	52	60	55	51	58	53	49	55	51	48	48	48	48	46
8	71	60	53	49	68	59	52	48	56	51	47	54	49	46	52	48	45	45	45	45	43
9	67	56	50	45	65	55	49	45	53	48	44	51	46	43	49	45	42	42	42	42	40
10	63	53	46	42	62	52	46	42	50	45	41	48	43	40	47	42	39	39	39	39	38

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	93954	93954	93954	93954
5°	94408	97161	93088	98434
10°	95197	102012	92914	101337
15°	95664	92473	92751	88750
20°	94674	68889	91576	63739
25°	89613	43569	86652	39531
30°	78284	26182	75252	23927
35°	60248	16429	56782	14553
40°	38112	10305	34869	9684
45°	19644	8029	19318	7897
50°	11517	7141	11164	7030
55°	8823	6756	8496	6696
60°	7466	6902	7148	6813
65°	7012	7207	6743	6961
70°	6851	7548	6509	7263
75°	7325	8004	6929	7650
80°	7581	8862	6874	8090
85°	7137	8551	5770	7323

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 30063 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1971.7	7.4
10°-20°	5546.6	20.7
20°-30°	6317.2	23.6
30°-40°	4540.5	16.9
40°-50°	2094.1	7.8
50°-60°	1002.1	3.7
60°-70°	731.2	2.7
70°-80°	555.5	2.1
80°-90°	259.1	1.0
90°-100°	103.8	0.4
100°-110°	639.3	2.4
110°-120°	1181.9	4.4
120°-130°	712.0	2.7
130°-140°	443.3	1.7
140°-150°	317.3	1.2
150°-160°	213.7	0.8
160°-170°	125.2	0.5
170°-180°	42.1	0.2
0°-30°	13835.5	51.6
0°-40°	18376.0	68.6
0°-60°	21472.2	80.1
0°-90°	23018.0	85.9
90°-120°	1924.9	7.2
90°-150°	3397.5	12.7
90°-180°	3778.0	14.1
0°-180°	26796.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	20007	20007	20007	20007	20007	
5°	20158	20746	19876	21017	20158	1926
15°	20070	19400	19459	18619	20070	5655
25°	17896	8701	17304	7894	17896	8113
35°	11058	3015	10422	2671	11058	6786
45°	3178	1299	3126	1278	3178	2703
55°	1192	913	1148	905	1192	1101
65°	732	752	704	727	732	731
75°	516	564	488	539	516	537
85°	245	294	198	252	245	231
90°	82	100	34	39	82	49
95°	48	54	48	54	48	46
105°	226	295	150	295	226	301
115°	1026	1254	1075	1254	1026	947
125°	756	808	858	809	756	689
135°	574	523	619	525	574	448
145°	492	490	525	493	492	311
155°	446	454	478	457	446	208
165°	433	437	451	438	433	123
175°	437	442	446	443	437	42
180°	442	442	442	442	442	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8
2.5°	20083.2	20081.6	20081.3	20079.9	20079.5	20079.5	20078.8	20077.2	20076.2	20073.9	20071.2
5°	20157.7	20156.9	20157.4	20157.5	20156.1	20153.0	20148.1	20142.1	20134.6	20127.4	20121.1
7.5°	20215.4	20216.8	20218.6	20218.2	20213.8	20206.5	20196.5	20190.9	20194.1	20205.0	20229.9
10°	20225.9	20234.5	20237.8	20236.8	20228.0	20221.8	20224.2	20245.4	20287.6	20343.8	20420.8
12.5°	20184.9	20195.4	20195.1	20191.5	20183.1	20191.7	20222.4	20285.5	20375.9	20486.9	20617.1
15°	20069.7	20083.4	20079.5	20075.0	20069.4	20097.6	20158.9	20268.5	20408.2	20564.7	20725.0
17.5°	19846.1	19862.6	19854.7	19849.5	19844.7	19897.7	20003.0	20163.5	20339.5	20516.5	20668.4
20°	19458.3	19469.4	19450.4	19441.4	19449.0	19552.7	19707.9	19912.8	20098.3	20265.7	20369.5
22.5°	18825.5	18839.3	18803.4	18799.3	18843.5	19002.8	19199.2	19428.3	19602.5	19735.2	19775.2
25°	17895.7	17909.2	17866.7	17892.1	17967.3	18184.3	18418.1	18663.2	18811.9	18910.2	18883.1
27.5°	16640.7	16653.0	16612.6	16664.6	16783.4	17068.6	17343.8	17609.7	17742.2	17811.1	17723.7
30°	15057.9	15083.4	15035.8	15108.2	15289.6	15659.9	15975.2	16273.3	16405.4	16457.9	16322.1
32.5°	13177.9	13214.3	13161.8	13269.6	13522.7	13967.5	14325.7	14658.7	14804.9	14864.7	14711.3
35°	11057.7	11109.8	11049.5	11211.3	11523.6	12018.8	12415.5	12787.3	12960.4	13045.2	12890.6
37.5°	8811.2	8861.0	8828.4	9044.2	9387.0	9900.4	10305.3	10706.5	10901.9	11029.2	10907.3
40°	6605.8	6651.3	6676.0	6922.8	7245.3	7729.2	8118.1	8515.0	8733.6	8893.4	8818.2
42.5°	4662.4	4708.3	4792.2	5030.4	5299.3	5699.8	6033.0	6389.3	6598.2	6768.7	6739.6
45°	3178.3	3231.6	3336.7	3531.7	3726.2	4013.5	4258.2	4535.3	4705.9	4862.1	4864.0
47.5°	2227.2	2264.6	2358.5	2491.7	2618.5	2978.2	2993.0	3129.2	3243.9	3360.6	3375.7
50°	1716.4	1739.0	1788.8	1863.0	1934.9	2028.3	2113.7	2212.4	2283.0	2347.0	2362.3
52.5°	1410.8	1425.1	1450.5	1490.7	1532.4	1583.1	1628.8	1683.1	1721.5	1755.8	1762.9
55°	1192.3	1204.2	1242.0	1249.6	1297.2	1306.5	1326.8	1359.8	1382.1	1402.6	1407.8
57.5°	1027.6	1036.1	1044.1	1061.3	1076.0	1097.4	1114.5	1138.2	1152.2	1167.0	1168.4
60°	897.5	903.7	909.5	921.3	931.3	946.1	958.0	974.1	984.2	995.3	996.6
62.5°	800.7	805.2	808.9	816.8	823.9	835.4	844.7	858.2	867.6	876.2	878.2
65°	731.9	735.1	737.7	743.6	749.7	759.5	768.0	779.0	785.9	792.5	793.9
67.5°	671.0	674.1	676.6	682.0	686.3	693.5	699.3	707.5	712.7	718.0	718.1
70°	601.1	604.0	606.0	611.0	614.5	620.7	625.3	632.7	638.0	643.9	645.4
72.5°	552.8	554.4	557.1	561.7	566.5	573.2	579.4	587.0	593.5	599.6	602.1
75°	516.0	518.0	519.7	523.6	527.0	532.6	537.2	544.2	549.8	556.4	559.6
77.5°	462.9	465.2	466.7	470.6	473.5	478.9	482.3	488.6	493.3	499.2	502.1
80°	398.8	400.9	401.9	405.7	407.9	412.9	416.3	422.4	426.2	432.1	435.7
82.5°	327.7	329.7	330.3	333.8	335.1	339.2	341.6	347.8	352.6	360.3	365.6
85°	245.3	246.1	247.3	246.4	251.3	251.7	257.3	258.3	265.7	267.7	276.1
87.5°	150.0	152.2	153.3	156.7	158.2	161.7	162.7	166.4	168.3	172.4	174.4
90°	81.8	86.5	88.8	94.1	96.5	101.3	103.3	108.8	111.1	116.5	120.5
92.5°	41.7	44.6	47.4	50.6	53.5	56.9	59.9	63.1	66.1	69.4	75.2
95°	47.8	51.1	54.5	57.9	61.3	64.5	67.9	71.3	74.7	78.0	87.9
97.5°	60.3	63.2	66.1	69.0	71.9	74.9	77.8	80.7	83.6	86.5	98.2
100°	79.1	81.5	84.0	86.5	88.9	91.4	93.9	96.3	98.8	101.3	122.9
102.5°	132.4	141.1	149.9	158.6	167.3	176.1	184.8	193.5	202.3	211.0	257.0
105°	226.2	249.9	273.8	297.4	321.2	345.0	368.8	392.3	416.1	439.9	514.8
107.5°	388.8	432.8	476.7	520.7	564.6	608.5	652.4	696.3	740.2	784.0	860.1
110°	721.5	756.8	792.2	827.6	863.0	898.4	933.7	968.9	1004.3	1039.7	1095.2



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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°	973.7	989.7	1005.8	1021.9	1037.9	1053.9	1069.9	1085.9	1102.0	1117.9	1157.7
115°	1026.4	1032.1	1037.9	1043.4	1049.2	1054.8	1060.5	1066.1	1071.9	1077.3	1104.4
117.5°	994.8	993.8	993.1	992.2	991.2	990.4	989.4	988.4	987.5	986.5	1001.7
120°	925.0	920.2	915.6	910.8	906.0	901.2	896.5	891.7	886.8	881.8	888.6
122.5°	837.4	831.7	826.3	820.4	814.7	808.8	803.2	797.1	791.5	785.6	788.4
125°	756.1	750.4	744.8	739.0	733.1	727.4	721.5	715.6	709.7	703.7	705.4
127.5°	685.0	681.2	677.2	673.1	669.2	665.0	660.9	656.7	652.7	648.4	649.0
130°	638.5	635.0	631.5	627.8	624.2	620.5	616.8	612.9	609.3	605.4	606.4
132.5°	599.9	597.5	595.2	592.6	590.1	587.3	584.8	581.9	579.4	576.6	577.8
135°	573.5	571.2	569.1	566.8	564.5	561.9	559.5	556.9	554.4	551.8	553.3
137.5°	550.9	548.9	546.9	544.9	542.7	540.3	538.1	535.8	533.5	531.1	532.5
140°	530.1	528.4	526.5	524.7	522.8	520.7	518.7	516.6	514.5	512.4	514.0
142.5°	507.1	505.7	504.5	503.0	501.6	499.9	498.4	496.6	495.1	493.5	495.5
145°	491.8	490.7	489.7	488.4	487.2	485.8	484.6	483.0	481.7	480.3	482.6
147.5°	478.3	477.4	476.6	475.8	474.8	473.6	472.6	471.4	470.4	469.3	471.4
150°	466.4	465.6	464.9	464.0	463.1	462.0	461.0	460.0	458.9	457.8	460.0
152.5°	454.2	453.4	452.6	451.9	450.9	449.8	449.0	447.9	446.9	445.9	447.7
155°	446.3	445.5	444.7	443.9	443.1	442.0	441.1	440.2	439.2	438.2	439.8
157.5°	440.8	440.2	439.6	438.9	438.4	437.6	436.9	436.2	435.5	434.8	435.9
160°	437.4	436.9	436.3	435.7	435.0	434.3	433.7	432.9	432.4	431.6	432.6
162.5°	434.4	433.8	433.1	432.5	431.8	431.1	430.4	429.9	429.2	428.5	429.8
165°	433.1	432.8	432.4	432.1	431.7	431.4	431.0	430.5	430.1	429.7	430.5
167.5°	435.9	435.3	434.8	434.3	433.6	433.0	432.5	431.9	431.4	430.7	431.5
170°	436.0	435.7	435.4	435.2	434.9	434.6	434.4	434.1	433.8	433.5	434.2
172.5°	437.6	437.3	437.2	437.1	436.8	436.6	436.4	436.1	436.0	435.7	436.6
175°	437.0	436.7	436.6	436.5	436.3	436.2	436.1	435.9	435.9	435.8	436.2
177.5°	439.7	439.6	439.6	439.6	439.6	439.5	439.4	439.2	439.2	439.2	439.6
180°	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3



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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°	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8
2.5°	20069.4	20066.9	20063.6	20059.3	20055.7	20051.5	20041.4	20038.5	20041.8	20044.1	20048.7
5°	20117.0	20118.4	20118.9	20128.1	20136.0	20155.6	20309.5	20370.7	20418.0	20448.0	20493.6
7.5°	20260.8	20307.1	20352.8	20414.4	20467.5	20539.1	20808.4	20923.1	21004.6	21063.1	21135.2
10°	20504.5	20605.4	20700.1	20811.0	20906.4	21015.6	21266.3	21377.9	21448.5	21499.8	21547.7
12.5°	20749.9	20889.9	21016.5	21139.9	21243.2	21337.9	21426.0	21465.2	21468.4	21470.1	21444.6
15°	20877.7	21011.6	21123.2	21204.7	21265.4	21292.2	21140.5	21060.9	20960.3	20877.4	20741.0
17.5°	20797.0	20877.4	20925.5	20920.8	20895.7	20811.8	20381.8	20145.4	19910.7	19699.2	19421.7
20°	20438.4	20432.2	20390.4	20271.6	20128.6	19906.2	19169.1	18743.9	18332.7	17971.6	17533.6
22.5°	19771.1	19666.1	19519.8	19263.8	18979.5	18590.9	17534.6	16909.1	16336.8	15831.1	15264.7
25°	18804.3	18588.3	18318.4	17912.0	17470.1	16903.3	15601.5	14823.5	14136.2	13540.3	12886.8
27.5°	17567.0	17241.6	16846.1	16283.6	15684.9	14958.8	13515.5	12656.9	11919.2	11280.2	10584.6
30°	16102.1	15679.0	15168.1	14470.1	13748.0	12924.4	11460.6	10590.9	9844.2	9186.9	8490.8
32.5°	14446.8	13951.2	13352.5	12569.0	11788.1	10941.3	9527.6	8685.8	7972.5	7340.1	6710.1
35°	12620.9	12089.4	11456.0	10657.0	9880.8	9057.5	7760.4	7001.3	6371.4	5812.5	5303.7
37.5°	10662.4	10140.5	9538.6	8785.5	8065.6	7319.6	6200.4	5564.3	5035.7	4571.8	4178.9
40°	8626.1	8169.4	7648.5	6997.4	6383.1	5761.9	4843.1	4338.2	3921.1	3567.3	3272.9
42.5°	6614.7	6260.8	5861.4	5346.8	4876.8	4403.7	3696.5	3322.5	3013.5	2758.8	2550.7
45°	4799.2	4562.4	4294.5	3936.9	3611.6	3281.7	2778.3	2515.4	2314.2	2149.9	2011.1
47.5°	3354.9	3217.6	3209.2	2878.6	2640.1	2438.3	2114.1	1948.1	1824.8	1725.2	1637.4
50°	2356.0	2289.6	2207.1	2089.1	1978.4	1864.3	1666.9	1566.5	1494.2	1433.9	1378.4
52.5°	1761.3	1726.8	1682.9	1620.2	1560.3	1496.1	1371.2	1307.2	1284.5	1228.4	1184.4
55°	1406.8	1387.0	1362.0	1325.3	1288.7	1274.1	1167.0	1119.6	1089.5	1067.4	1043.7
57.5°	1168.5	1153.8	1138.9	1114.0	1093.0	1067.4	1010.5	986.2	968.3	955.3	938.9
60°	996.8	987.9	979.6	965.0	953.6	939.8	903.7	890.0	880.7	872.8	862.3
62.5°	879.8	875.3	871.0	863.2	857.4	849.9	825.1	818.6	813.9	810.0	803.6
65°	795.3	792.1	789.6	784.5	781.6	777.2	756.0	751.5	748.7	747.2	743.6
67.5°	718.5	715.2	713.6	709.9	708.7	706.0	688.6	686.1	685.2	685.7	684.3
70°	646.8	645.4	646.1	645.5	647.2	647.6	637.1	637.1	638.2	640.4	640.6
72.5°	603.8	603.8	604.6	604.9	606.5	607.3	598.6	598.1	598.6	600.2	600.3
75°	562.9	563.5	565.8	566.5	568.3	568.7	557.2	555.8	555.8	557.4	557.0
77.5°	506.2	508.6	512.8	515.1	518.7	519.3	506.4	504.8	504.9	506.4	505.1
80°	441.9	446.6	453.4	458.1	463.5	465.7	452.3	449.2	446.2	445.8	443.1
82.5°	373.7	379.4	387.4	391.6	397.5	398.9	376.6	372.2	369.8	370.0	367.6
85°	285.2	289.5	296.8	299.3	302.9	302.6	277.1	266.2	269.1	264.5	268.1
87.5°	178.9	181.4	186.0	186.6	188.4	188.0	162.3	157.3	155.8	155.9	154.0
90°	127.3	131.6	138.3	140.9	146.1	148.4	130.3	130.5	126.5	125.1	120.4
92.5°	81.4	87.3	93.3	99.2	105.2	111.3	114.8	120.1	114.0	107.5	101.6
95°	97.8	107.6	117.5	127.4	137.2	147.1	157.0	166.8	157.6	148.4	139.2
97.5°	109.8	121.5	133.1	144.8	156.4	168.1	179.8	191.5	181.6	171.5	161.7
100°	144.7	166.5	188.1	209.9	231.6	253.3	275.1	296.8	277.7	258.6	239.5
102.5°	303.1	349.4	395.5	441.7	487.7	534.0	580.3	626.5	582.6	538.7	494.9
105°	589.6	664.4	739.3	813.9	888.7	963.6	1038.6	1113.5	1043.4	973.3	903.4
107.5°	935.9	1011.8	1087.7	1163.5	1239.5	1315.4	1391.6	1467.5	1399.3	1330.9	1262.6
110°	1150.7	1206.0	1261.6	1316.9	1372.4	1427.7	1483.7	1539.2	1498.2	1457.1	1416.2



TEST NUMBER: P1444448
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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°	1197.3	1237.1	1276.8	1316.5	1356.0	1395.8	1436.2	1476.0	1455.5	1434.9	1414.5
115°	1131.1	1158.1	1184.8	1211.6	1238.5	1265.3	1292.9	1320.0	1313.5	1307.2	1300.8
117.5°	1016.8	1032.0	1047.1	1062.2	1077.2	1092.5	1108.6	1123.9	1125.2	1126.6	1128.1
120°	895.0	901.7	908.1	914.7	921.2	927.7	935.5	942.2	948.0	953.9	959.7
122.5°	791.1	793.8	796.4	799.1	801.6	804.4	808.4	811.5	815.5	819.8	823.9
125°	706.8	708.4	709.8	711.3	712.6	714.2	717.3	719.1	719.8	720.2	720.9
127.5°	649.6	650.2	650.7	651.3	651.7	652.3	654.6	655.5	653.6	651.6	649.6
130°	607.4	608.3	609.2	610.3	611.2	612.1	614.9	616.4	612.6	608.9	605.0
132.5°	578.9	580.0	581.1	582.4	583.6	584.7	587.9	589.5	585.2	580.7	576.2
135°	554.5	556.0	557.3	558.7	560.0	561.6	565.0	567.0	562.9	558.6	554.3
137.5°	533.7	535.2	536.5	538.0	539.4	540.9	544.7	546.7	543.4	539.9	536.8
140°	515.6	517.2	518.8	520.4	522.0	523.8	528.0	530.3	527.7	525.2	522.6
142.5°	497.4	499.6	501.8	503.9	506.0	508.4	513.1	515.9	514.2	512.2	510.4
145°	484.8	487.3	489.6	492.1	494.5	497.0	502.5	505.6	504.6	503.4	502.3
147.5°	473.3	475.6	477.8	480.0	482.2	484.7	490.2	493.2	492.7	492.0	491.4
150°	462.0	464.2	466.5	468.7	471.2	473.6	479.5	482.8	482.3	481.7	481.1
152.5°	449.8	451.8	453.7	455.9	458.0	460.2	467.0	470.2	469.8	469.1	468.7
155°	441.3	443.0	444.5	446.2	447.8	449.7	456.6	459.5	459.4	459.1	458.8
157.5°	437.2	438.2	439.3	440.6	441.9	443.2	450.1	452.8	452.5	452.3	452.1
160°	433.6	434.5	435.4	436.5	437.4	438.5	445.5	447.9	447.7	447.5	447.2
162.5°	430.9	432.2	433.3	434.5	435.8	437.1	444.2	447.1	446.5	446.1	445.7
165°	431.3	432.0	432.8	433.6	434.4	435.2	441.7	443.9	443.8	443.5	443.3
167.5°	432.3	433.2	434.0	434.9	435.7	436.7	442.8	444.9	444.7	444.5	444.4
170°	434.7	435.6	436.0	436.9	437.5	438.4	443.4	445.2	445.0	444.4	444.1
172.5°	437.2	438.1	438.8	439.5	440.3	441.1	445.4	447.2	446.9	446.5	446.1
175°	436.8	437.3	437.9	438.7	439.2	439.9	443.3	444.5	444.4	444.3	444.1
177.5°	440.1	440.3	440.8	441.3	441.8	442.1	444.3	445.0	445.0	445.0	444.9
180°	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3



TEST NUMBER: P1444448
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CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8
2.5°	20049.7	20056.7	20057.7	20066.0	20065.3	20075.2	20073.6	20081.6	20076.9	20083.5	20078.0
5°	20520.6	20563.3	20585.7	20627.4	20640.5	20677.8	20688.3	20722.3	20723.7	20750.7	20744.6
7.5°	21186.4	21249.3	21286.7	21338.2	21364.4	21407.3	21426.2	21457.9	21468.1	21493.3	21495.3
10°	21583.9	21614.6	21635.8	21650.2	21663.4	21669.5	21676.8	21674.8	21676.8	21673.9	21680.0
12.5°	21427.6	21382.9	21353.4	21297.6	21265.2	21203.3	21173.0	21113.6	21092.1	21041.0	21033.7
15°	20635.6	20480.0	20370.1	20210.3	20109.8	19952.6	19860.6	19718.8	19653.9	19541.2	19511.6
17.5°	19192.1	18903.3	18679.9	18393.2	18194.4	17926.5	17757.9	17536.2	17414.7	17235.9	17174.0
20°	17168.4	16741.1	16406.0	16006.7	15720.9	15364.8	15136.9	14849.5	14682.5	14462.9	14373.9
22.5°	14792.5	14260.5	13841.9	13370.2	13025.4	12628.6	12355.6	12044.5	11862.9	11624.4	11518.7
25°	12343.7	11757.0	11291.7	10794.6	10430.3	10032.6	9759.5	9453.9	9266.0	9039.4	8934.5
27.5°	10001.5	9407.7	8957.9	8495.9	8161.7	7802.9	7556.3	7289.6	7122.8	6929.5	6830.7
30°	7934.7	7411.0	7028.2	6644.7	6366.7	6075.3	5870.4	5649.4	5503.1	5337.5	5243.4
32.5°	6250.8	5846.5	5546.7	5242.5	5015.0	4771.4	4594.4	4399.3	4267.3	4119.5	4034.2
35°	4950.5	4636.3	4397.3	4146.8	3951.4	3743.9	3588.0	3419.6	3301.1	3173.9	3100.2
37.5°	3911.4	3661.6	3464.9	3256.8	3096.3	2924.4	2866.5	2673.3	2550.6	2448.9	2378.6
40°	3069.7	2871.1	2708.3	2549.2	2418.2	2287.9	2183.3	2080.1	2000.8	1928.1	1877.8
42.5°	2397.2	2253.3	2134.4	2017.9	1922.3	1827.3	1751.6	1680.5	1627.1	1579.6	1547.2
45°	1905.6	1806.7	1724.1	1642.0	1574.6	1511.2	1460.1	1414.8	1380.3	1351.8	1331.5
47.5°	1565.5	1497.8	1439.5	1384.1	1338.4	1296.9	1262.7	1251.5	1214.4	1189.4	1180.0
50°	1330.5	1289.6	1245.3	1204.4	1173.9	1143.5	1121.3	1099.6	1085.7	1074.2	1070.8
52.5°	1155.1	1123.8	1099.1	1073.3	1053.1	1031.5	1016.2	1001.7	994.1	988.1	987.4
55°	1024.7	1002.7	986.4	969.1	957.0	944.3	936.4	928.7	925.5	922.4	922.7
57.5°	925.9	911.3	900.7	889.5	882.9	876.9	874.9	872.9	873.9	874.4	876.1
60°	854.0	844.5	837.9	831.4	828.7	826.7	828.2	829.9	833.4	836.2	838.7
62.5°	798.9	793.5	790.3	786.7	786.5	786.6	789.6	792.5	796.9	800.1	802.6
65°	742.2	739.1	738.0	735.9	736.9	737.7	741.2	743.4	747.8	750.4	753.5
67.5°	684.9	684.2	684.8	684.8	686.8	688.6	691.9	694.5	698.1	700.6	703.1
70°	642.6	642.9	644.5	644.7	646.9	648.0	651.0	652.6	656.0	657.9	661.0
72.5°	601.4	600.7	601.1	600.1	600.9	600.6	602.2	603.1	605.9	607.5	611.1
75°	557.6	555.7	555.3	553.3	553.4	551.9	552.7	552.6	554.4	555.2	557.8
77.5°	504.6	501.5	500.0	496.7	496.6	495.4	496.7	497.5	500.8	502.4	505.4
80°	441.3	436.4	434.2	430.3	431.0	430.8	434.1	436.5	440.5	441.3	445.1
82.5°	366.8	361.9	359.5	355.7	356.6	356.6	359.6	360.2	363.6	365.1	369.5
85°	262.7	264.5	259.3	259.7	258.5	260.6	262.7	265.2	268.1	272.9	276.6
87.5°	154.7	154.0	155.9	156.1	158.8	160.2	164.5	166.9	171.7	175.5	182.3
90°	118.2	113.3	112.5	109.4	109.7	106.6	107.2	104.2	105.3	103.8	105.7
92.5°	95.0	88.9	82.3	76.2	69.8	63.9	60.6	58.0	54.8	52.3	48.9
95°	130.0	120.7	111.6	102.4	93.2	84.0	80.7	77.3	73.9	70.5	67.3
97.5°	151.8	141.9	132.1	122.1	112.2	102.4	100.1	97.9	95.6	93.4	91.1
100°	220.4	201.3	182.3	163.1	144.1	125.0	123.2	121.4	119.6	117.8	116.0
102.5°	451.1	407.5	363.7	319.9	276.1	232.3	224.7	217.0	209.4	201.8	194.2
105°	833.2	763.1	693.1	623.1	553.1	483.1	462.2	441.2	420.3	399.4	378.6
107.5°	1194.2	1126.0	1057.7	989.4	921.2	852.9	819.9	786.9	753.8	720.8	687.9
110°	1375.1	1334.1	1293.2	1252.2	1211.4	1170.4	1138.9	1107.5	1076.0	1044.5	1013.1



TEST NUMBER: P1444448
 CATALOG NUMBER: EHBR1-24-UNV-TA-L830-UPL40

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	1394.1	1373.7	1353.3	1332.8	1312.5	1292.1	1276.7	1261.4	1246.2	1230.8	1215.4
115°	1294.3	1288.1	1281.6	1275.3	1269.1	1262.8	1261.7	1260.7	1259.6	1258.7	1257.6
117.5°	1129.5	1130.9	1132.2	1133.8	1135.3	1136.7	1145.0	1153.3	1161.6	1170.1	1178.5
120°	965.5	971.4	977.1	983.0	988.9	994.8	1005.8	1017.0	1028.1	1039.5	1050.9
122.5°	828.1	832.3	836.4	840.6	844.9	849.1	860.1	871.2	882.3	893.5	904.9
125°	721.3	721.8	722.3	722.8	723.3	724.0	733.2	742.3	751.6	761.0	770.3
127.5°	647.6	645.5	643.5	641.6	639.5	637.6	643.1	648.7	654.3	660.0	665.6
130°	601.2	597.3	593.4	589.7	585.7	582.0	584.3	586.7	589.1	591.5	594.1
132.5°	571.6	567.2	562.6	558.1	553.6	549.0	549.3	549.6	549.8	550.2	550.7
135°	550.0	545.9	541.5	537.2	532.8	528.7	527.8	526.9	526.1	525.3	524.6
137.5°	533.5	530.1	526.7	523.4	520.0	516.6	515.1	514.0	512.6	511.5	510.2
140°	520.0	517.3	514.6	512.0	509.4	506.8	505.5	504.6	503.6	502.6	501.6
142.5°	508.4	506.6	504.6	502.8	500.9	499.0	497.9	496.8	495.9	495.0	494.0
145°	501.1	499.9	498.8	497.6	496.4	495.3	494.5	493.7	493.0	492.3	491.8
147.5°	490.8	490.1	489.4	488.8	488.0	487.4	486.8	486.5	486.0	485.7	485.2
150°	480.5	479.9	479.2	478.8	477.9	477.3	477.2	477.1	476.8	476.8	476.6
152.5°	468.0	467.5	466.9	466.4	465.6	465.1	464.9	464.9	464.7	464.7	464.4
155°	458.4	458.1	457.8	457.5	457.0	456.8	456.5	456.1	455.8	455.4	455.1
157.5°	451.8	451.5	451.1	450.9	450.5	450.2	449.9	449.6	449.2	449.0	448.6
160°	446.9	446.7	446.3	446.1	445.8	445.5	444.9	444.4	443.8	443.4	442.8
162.5°	445.1	444.6	444.1	443.6	443.0	442.6	442.2	441.8	441.6	441.3	440.9
165°	443.0	442.7	442.4	442.1	441.8	441.6	441.0	440.5	440.0	439.5	438.8
167.5°	444.0	443.8	443.5	443.3	443.0	442.6	442.2	441.7	441.2	440.6	440.1
170°	443.7	443.2	442.8	442.3	441.8	441.4	440.9	440.3	439.9	439.4	438.8
172.5°	445.8	445.4	444.9	444.7	444.1	443.7	443.3	442.9	442.5	441.9	441.7
175°	444.0	444.0	443.9	443.6	443.6	443.4	443.3	443.3	443.1	443.0	442.8
177.5°	444.9	444.8	444.8	444.7	444.7	444.7	444.4	444.1	443.8	443.5	443.3
180°	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3



TEST NUMBER: P1444448
 CATALOG NUMBER: EHBR1-24-UNV-TA-L830-UPL40

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8
2.5°	20083.7	20078.6	20081.1	20071.6	20073.9	20062.5	20061.5	20048.7	20047.4	20035.4	20030.8
5°	20763.7	20752.5	20765.1	20745.5	20749.3	20723.7	20721.6	20688.5	20677.1	20635.8	20617.9
7.5°	21511.1	21506.8	21514.5	21498.1	21497.6	21474.7	21465.3	21435.6	21417.3	21373.8	21346.1
10°	21674.8	21678.6	21672.4	21673.9	21665.0	21662.5	21653.4	21647.6	21632.7	21621.5	21604.9
12.5°	20994.9	20999.0	20973.1	20989.5	20976.6	21006.9	21004.4	21040.2	21045.7	21090.8	21108.0
15°	19423.7	19418.8	19369.0	19400.4	19383.6	19450.1	19465.1	19554.6	19602.5	19717.5	19788.2
17.5°	17050.1	17037.2	16967.2	17005.4	16985.9	17084.1	17117.0	17260.3	17349.6	17534.9	17667.0
20°	14220.6	14196.0	14114.0	14158.7	14138.8	14250.2	14297.3	14470.4	14585.6	14831.1	15005.7
22.5°	11356.0	11317.2	11236.9	11278.6	11259.7	11375.3	11436.5	11610.1	11742.1	11994.1	12197.9
25°	8783.6	8749.0	8671.4	8700.6	8693.6	8791.3	8845.7	9010.0	9139.7	9379.7	9574.3
27.5°	6699.4	6663.5	6593.3	6614.0	6606.9	6690.2	6741.5	6878.7	6990.3	7192.4	7363.2
30°	5127.5	5084.1	5024.6	5036.0	5031.2	5098.6	5146.5	5262.1	5357.8	5528.5	5675.7
32.5°	3930.1	3886.6	3832.0	3837.3	3830.1	3883.0	3922.5	4023.0	4106.3	4251.5	4379.7
35°	3007.1	3058.1	2941.4	3015.3	2938.4	3051.3	3010.7	3073.5	3145.2	3267.5	3374.4
37.5°	2311.8	2276.3	2246.2	2243.0	2242.9	2269.1	2300.0	2360.5	2423.6	2514.8	2608.9
40°	1831.9	1807.0	1787.6	1786.2	1787.6	1806.3	1829.1	1870.9	1917.2	1982.6	2051.8
42.5°	1519.4	1502.9	1491.1	1490.4	1494.1	1507.3	1523.2	1548.0	1578.1	1620.5	1667.9
45°	1315.0	1305.9	1299.4	1299.0	1300.7	1307.6	1316.7	1332.2	1351.3	1377.7	1407.8
47.5°	1171.6	1169.5	1165.4	1165.5	1163.7	1166.5	1167.5	1176.2	1186.3	1206.3	1245.5
50°	1067.3	1067.3	1064.5	1064.3	1061.7	1061.5	1059.2	1062.7	1067.5	1079.8	1092.3
52.5°	984.8	984.5	981.4	980.8	978.0	977.8	976.0	977.3	977.9	984.2	991.7
55°	920.2	918.3	914.3	913.0	912.0	913.6	912.8	912.9	912.1	914.7	916.9
57.5°	873.9	871.4	867.7	866.5	866.3	868.2	868.2	867.6	864.1	861.8	858.4
60°	837.3	834.8	830.8	829.7	830.3	833.0	832.8	830.6	825.4	820.9	815.6
62.5°	801.4	800.3	798.3	798.0	797.4	797.9	796.0	793.7	788.5	783.7	778.0
65°	753.1	753.7	752.1	752.3	750.5	750.1	747.3	745.1	739.8	735.5	729.6
67.5°	703.0	703.4	702.1	702.1	701.1	701.3	699.6	697.5	693.1	689.5	685.0
70°	661.7	662.7	662.0	662.3	661.0	660.6	657.9	655.8	651.3	648.4	644.3
72.5°	612.2	614.5	614.4	614.9	613.2	612.2	609.0	606.4	602.4	600.0	596.8
75°	558.8	561.7	562.6	563.8	561.3	560.0	556.5	554.4	551.1	549.7	547.5
77.5°	506.8	509.9	512.9	515.8	511.7	508.1	503.7	500.4	495.6	493.7	490.4
80°	448.2	453.8	460.6	466.2	458.9	451.5	444.3	438.9	432.7	430.0	425.9
82.5°	371.9	377.6	381.5	385.1	380.0	374.6	367.7	363.0	356.1	353.6	348.8
85°	282.5	289.7	292.0	293.9	290.7	287.8	281.2	272.4	268.1	261.3	257.9
87.5°	185.8	190.2	190.9	191.6	189.6	188.2	184.0	179.8	172.4	167.1	160.6
90°	103.4	104.2	100.5	99.5	98.9	101.0	98.6	99.2	95.1	94.7	91.2
92.5°	46.2	43.1	40.2	37.3	40.6	43.1	46.4	48.9	52.2	54.8	58.0
95°	63.9	60.5	57.1	53.8	56.5	59.1	61.8	64.5	67.2	69.9	72.6
97.5°	88.9	86.6	84.4	82.1	83.7	85.3	86.8	88.4	90.0	91.6	93.2
100°	114.2	112.4	110.6	108.8	108.8	108.8	108.8	108.8	108.8	108.8	108.8
102.5°	186.5	178.9	171.2	163.6	168.8	173.9	179.1	184.3	189.5	194.6	199.9
105°	357.7	336.8	316.0	295.2	315.3	335.5	355.7	375.9	396.0	416.5	436.6
107.5°	654.9	621.9	588.9	555.9	592.8	629.6	666.4	703.2	739.9	776.7	813.7
110°	981.7	950.3	918.9	887.5	926.6	965.6	1004.6	1043.6	1082.7	1121.7	1160.9



TEST NUMBER: P1444448
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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°	1200.1	1184.9	1169.7	1154.4	1179.5	1204.6	1229.7	1255.0	1280.2	1305.4	1330.5
115°	1256.7	1255.8	1254.9	1254.0	1265.9	1277.8	1289.7	1301.7	1313.5	1325.4	1337.5
117.5°	1186.8	1195.2	1203.8	1212.3	1216.1	1220.0	1223.8	1227.7	1231.7	1235.6	1239.5
120°	1062.2	1073.5	1084.9	1096.3	1094.7	1093.1	1091.6	1090.0	1088.7	1087.2	1086.0
122.5°	916.1	927.4	938.9	950.2	946.8	943.5	940.2	936.9	933.7	930.5	927.3
125°	779.9	789.3	798.9	808.5	805.1	801.7	798.5	795.3	792.0	788.8	785.8
127.5°	671.5	677.4	683.2	689.2	687.6	686.0	684.8	683.2	681.9	680.6	679.5
130°	596.7	599.4	602.2	604.8	605.3	605.8	606.4	607.0	607.8	608.5	609.3
132.5°	551.3	551.9	552.6	553.3	555.1	556.9	558.9	560.9	563.1	565.0	567.6
135°	524.0	523.5	523.0	522.7	525.4	528.0	530.8	533.6	536.7	539.8	542.9
137.5°	509.3	508.3	507.4	506.5	509.2	511.8	514.6	517.5	520.4	523.5	526.8
140°	500.8	500.0	499.5	498.7	501.4	504.0	506.8	509.7	512.7	515.8	518.8
142.5°	493.3	492.4	491.8	491.2	493.5	496.0	498.6	501.1	503.9	506.7	509.5
145°	491.1	490.6	490.1	489.7	491.4	493.2	495.1	497.0	499.1	501.0	503.3
147.5°	484.9	484.7	484.5	484.3	485.6	486.9	488.3	489.6	491.2	492.7	494.3
150°	476.6	476.4	476.5	476.5	477.3	478.2	479.1	480.0	481.0	481.9	483.2
152.5°	464.6	464.4	464.6	464.6	465.4	466.1	467.0	467.8	468.8	469.7	470.9
155°	455.0	454.8	454.5	454.3	454.6	455.0	455.3	455.6	456.2	456.6	457.0
157.5°	448.5	448.2	448.0	447.7	447.7	447.8	447.9	448.0	448.2	448.3	448.5
160°	442.4	441.8	441.4	441.0	441.3	441.5	441.8	441.9	442.3	442.7	443.0
162.5°	440.7	440.4	440.2	439.9	439.7	439.4	439.3	439.0	438.8	438.7	438.7
165°	438.4	437.9	437.4	436.9	436.9	437.0	436.9	436.9	437.0	437.0	437.1
167.5°	439.6	439.0	438.6	438.1	437.7	437.2	436.9	436.5	436.0	435.7	435.5
170°	438.5	438.0	437.5	437.2	437.0	436.8	436.7	436.5	436.4	436.3	436.3
172.5°	441.2	440.8	440.3	440.1	439.9	439.7	439.7	439.6	439.4	439.4	439.4
175°	442.7	442.6	442.5	442.3	442.0	441.8	441.6	441.4	441.1	440.8	440.6
177.5°	443.0	442.7	442.4	442.2	442.1	442.1	442.1	442.1	442.1	442.0	442.0
180°	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3



TEST NUMBER: P1444448
 CATALOG NUMBER: EHBR1-24-UNV-TA-L830-UPL40

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8
2.5°	20017.8	20012.6	19998.7	19991.9	19979.1	19972.6	19962.6	19956.1	19948.1	19942.1	19939.0
5°	20572.5	20546.9	20495.6	20464.0	20408.5	20372.1	20317.1	20276.7	20220.0	20178.0	20124.3
7.5°	21294.0	21254.8	21189.0	21139.3	21061.7	21002.5	20915.5	20846.0	20749.9	20670.1	20571.9
10°	21587.9	21564.9	21535.4	21503.4	21460.5	21418.3	21358.9	21298.4	21217.8	21137.5	21032.7
12.5°	21153.6	21175.1	21217.8	21237.6	21270.1	21281.2	21296.2	21289.1	21275.9	21243.2	21195.7
15°	19923.9	20014.0	20156.3	20254.8	20392.8	20489.7	20617.9	20700.4	20795.5	20852.3	20906.2
17.5°	17901.0	18075.2	18326.4	18526.9	18795.9	19014.7	19282.7	19493.3	19736.5	19923.0	20121.5
20°	15309.9	15554.0	15900.8	16195.3	16585.2	16915.7	17339.3	17694.1	18108.0	18453.0	18825.4
22.5°	12521.4	12808.4	13205.7	13561.0	14026.6	14442.4	14973.0	15442.2	16001.7	16502.9	17057.4
25°	9890.6	10171.9	10576.7	10944.5	11447.1	11905.2	12484.9	13023.2	13672.4	14277.9	14973.0
27.5°	7634.6	7884.5	8240.3	8571.4	9031.7	9481.4	10069.7	10643.6	11336.5	11987.2	12736.3
30°	5896.0	6098.8	6383.9	6650.3	7019.8	7387.5	7911.6	8442.4	9131.8	9806.1	10574.1
32.5°	4569.3	4742.1	4980.1	5196.3	5481.1	5758.3	6144.3	6568.4	7173.2	7819.1	8561.7
35°	3537.1	3685.0	3887.5	4073.8	4307.9	4528.1	4816.1	5118.8	5580.3	6123.6	6788.2
37.5°	2820.0	2880.3	3024.8	3177.4	3372.0	3552.8	3778.1	4002.0	4332.2	4760.8	5303.7
40°	2144.6	2240.3	2358.0	2478.2	2625.4	2770.5	3017.7	3136.7	3354.1	3661.8	4083.1
42.5°	1730.4	1797.7	1880.5	1964.1	2066.8	2167.7	2292.8	2420.1	2582.6	2791.0	3090.8
45°	1448.1	1491.9	1545.3	1601.0	1668.4	1737.3	1821.1	1908.5	2018.6	2146.7	2328.8
47.5°	1259.4	1283.7	1318.5	1356.5	1402.7	1450.5	1504.9	1560.6	1629.0	1705.0	1808.7
50°	1112.2	1132.4	1159.5	1184.8	1216.8	1265.7	1287.3	1318.0	1359.2	1403.9	1461.9
52.5°	1005.6	1019.0	1036.1	1050.7	1070.8	1089.1	1113.2	1134.4	1162.8	1189.7	1227.2
55°	922.7	927.5	937.2	946.5	960.5	973.1	989.5	1003.4	1021.6	1037.6	1061.2
57.5°	858.6	859.0	863.5	868.3	877.3	885.2	896.5	905.6	918.3	928.5	942.6
60°	812.5	810.1	810.9	812.7	817.7	822.8	830.1	836.0	844.0	849.7	857.7
62.5°	774.2	770.3	769.4	768.9	771.5	773.3	777.3	780.2	784.7	787.2	791.4
65°	725.8	721.3	719.5	717.3	718.1	717.5	719.0	719.1	721.4	721.9	724.4
67.5°	681.8	678.1	675.7	672.9	671.7	669.7	668.8	666.8	666.6	665.0	664.6
70°	641.8	638.1	636.2	633.6	632.3	629.6	628.0	624.7	622.7	619.7	618.0
72.5°	595.5	593.4	592.8	591.1	590.6	589.1	588.4	586.1	584.8	582.2	580.8
75°	547.0	545.4	545.2	543.4	543.3	541.5	541.0	538.6	537.4	534.8	533.6
77.5°	489.3	486.8	486.2	484.0	484.6	483.6	484.4	482.6	481.7	479.1	478.3
80°	424.4	421.1	419.8	417.1	417.9	416.6	417.9	417.7	418.6	416.6	416.2
82.5°	347.4	343.9	343.2	341.3	342.6	342.7	345.5	344.0	344.5	342.6	343.5
85°	252.8	250.2	246.4	246.0	243.5	246.0	242.8	244.9	241.5	243.9	240.6
87.5°	156.7	151.3	148.4	144.4	142.9	139.2	137.6	134.9	135.7	134.4	135.2
90°	91.9	89.1	91.1	90.5	93.2	93.0	96.6	97.3	101.2	101.9	106.0
92.5°	60.6	63.5	68.9	74.5	79.7	85.1	90.5	96.0	101.3	106.8	112.0
95°	75.2	77.9	85.1	92.3	99.5	106.7	113.9	121.1	128.3	135.4	142.7
97.5°	94.8	96.4	103.6	110.7	117.9	125.1	132.3	139.7	146.9	154.0	161.2
100°	108.8	108.9	129.4	149.8	170.1	190.6	211.0	231.5	251.9	272.3	292.7
102.5°	205.0	210.2	261.8	313.4	365.0	416.6	468.2	519.9	571.5	623.2	674.9
105°	456.8	477.1	555.7	634.5	713.2	792.1	870.9	949.8	1028.5	1107.4	1186.2
107.5°	850.4	887.3	958.4	1029.6	1100.7	1172.0	1243.1	1314.3	1385.5	1456.7	1528.1
110°	1199.8	1239.0	1286.7	1334.2	1382.0	1429.6	1477.3	1525.0	1572.7	1620.4	1668.3



TEST NUMBER: P1444448
 CATALOG NUMBER: EHBR1-24-UNV-TA-L830-UPL40

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	1355.6	1380.9	1408.6	1436.3	1464.2	1491.9	1519.7	1547.4	1575.4	1603.2	1631.1
115°	1349.5	1361.6	1372.3	1383.1	1393.7	1404.5	1415.4	1426.2	1437.2	1448.0	1458.9
117.5°	1243.4	1247.5	1249.0	1250.7	1252.2	1254.0	1255.7	1257.4	1259.2	1261.0	1262.7
120°	1084.5	1083.2	1081.2	1079.4	1077.4	1075.6	1073.8	1072.0	1070.3	1068.5	1066.7
122.5°	924.2	921.2	919.3	917.4	915.6	913.9	912.3	910.7	909.0	907.3	905.6
125°	782.7	779.8	781.2	782.5	784.0	785.5	786.9	788.6	790.1	791.6	793.2
127.5°	678.2	677.1	681.0	685.0	688.9	693.0	696.9	701.0	705.0	709.2	713.1
130°	610.2	611.2	616.3	621.4	626.6	631.8	637.0	642.2	647.4	652.6	657.8
132.5°	569.7	572.1	576.8	581.9	586.8	591.8	596.8	601.8	606.8	612.0	616.7
135°	546.1	549.5	553.9	558.4	562.9	567.6	572.0	576.6	581.0	585.6	590.0
137.5°	529.8	533.2	536.7	540.3	543.8	547.5	551.2	554.8	558.3	561.9	565.5
140°	522.0	525.3	527.1	529.2	531.2	533.2	535.0	537.1	539.0	541.1	542.9
142.5°	512.4	515.5	516.5	517.7	519.0	520.4	521.6	522.8	524.0	525.2	526.2
145°	505.4	507.7	507.6	507.6	507.7	507.7	507.6	507.7	507.6	507.6	507.5
147.5°	496.0	497.7	497.2	497.0	496.6	496.3	496.0	495.7	495.2	495.0	494.6
150°	484.2	485.4	484.7	484.2	483.3	482.8	482.0	481.5	480.7	480.2	479.3
152.5°	471.7	472.9	471.9	471.4	470.5	469.9	468.9	468.4	467.4	466.8	466.0
155°	457.4	458.0	457.5	457.1	456.7	456.3	455.8	455.6	455.3	454.9	454.6
157.5°	448.7	448.8	448.6	448.3	448.1	447.8	447.7	447.5	447.4	447.3	447.3
160°	443.2	443.6	443.3	443.1	442.9	442.6	442.4	442.2	442.1	442.1	442.1
162.5°	438.4	438.3	438.1	437.8	437.6	437.4	437.3	437.3	437.2	437.2	437.2
165°	437.3	437.4	436.9	436.5	436.1	435.8	435.4	435.1	434.9	434.6	434.4
167.5°	435.2	435.0	435.0	435.0	435.0	435.1	435.2	435.5	435.6	435.9	435.9
170°	436.2	436.3	436.0	435.9	435.7	435.6	435.4	435.2	435.2	435.1	434.9
172.5°	439.4	439.4	438.9	438.5	438.1	437.6	437.2	436.9	436.5	436.1	435.7
175°	440.3	440.1	439.9	439.6	439.4	439.0	438.8	438.5	438.3	438.0	437.8
177.5°	441.9	441.8	441.7	441.7	441.7	441.6	441.6	441.5	441.5	441.5	441.3
180°	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3



TEST NUMBER: P1444448
 CATALOG NUMBER: EHBR1-24-UNV-TA-L830-UPL40

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8
2.5°	19934.9	19934.7	19932.8	19933.6	19934.0	19935.4	19937.2	19939.0	19939.3	19940.8	19941.0
5°	20084.1	20034.8	19998.4	19958.2	19928.0	19900.8	19882.8	19868.4	19862.8	19864.2	19867.6
7.5°	20488.6	20386.8	20302.9	20207.3	20127.7	20043.4	19973.4	19907.0	19858.6	19822.5	19802.3
10°	20932.5	20808.6	20689.9	20551.8	20420.6	20280.8	20154.0	20026.5	19920.1	19827.6	19759.8
12.5°	21129.6	21041.9	20939.4	20809.0	20668.7	20507.3	20344.2	20169.5	20006.9	19856.1	19734.4
15°	20921.0	20921.2	20883.8	20821.2	20723.7	20594.8	20439.5	20257.3	20065.5	19869.8	19691.0
17.5°	20258.9	20383.8	20453.3	20497.3	20483.8	20436.3	20337.4	20197.5	20018.7	19810.3	19592.1
20°	19121.8	19416.5	19626.6	19815.5	19921.4	19991.7	19984.7	19927.7	19800.4	19623.2	19396.1
22.5°	17529.0	18023.6	18413.8	18777.7	19032.9	19240.6	19339.2	19381.2	19323.5	19200.0	18986.6
25°	15594.3	16266.8	16840.6	17397.5	17815.3	18174.3	18390.0	18542.1	18554.1	18489.6	18299.3
27.5°	13444.6	14238.3	14964.6	15704.8	16292.2	16808.3	17147.0	17394.9	17473.6	17463.3	17290.3
30°	11297.6	12130.8	12931.4	13794.4	14521.4	15180.8	15628.1	15963.4	16092.6	16117.3	15951.0
32.5°	9270.0	10091.6	10890.0	11792.2	12592.3	13347.9	13876.5	14274.7	14424.8	14460.3	14277.9
35°	7429.7	8187.8	8946.5	9821.0	10616.4	11398.9	11955.9	12372.7	12513.0	12536.6	12325.5
37.5°	5833.9	6479.8	7140.9	7925.6	8655.9	9391.0	9920.0	10311.9	10414.0	10407.7	10168.8
40°	4490.3	4992.5	5523.6	6169.6	6776.9	7398.1	7844.9	8168.9	8222.5	8182.8	7931.8
42.5°	3376.5	3739.2	4124.2	4606.5	5057.0	5522.0	5847.0	6087.5	6095.2	6032.3	5807.0
45°	2515.4	2869.3	3030.8	3322.3	3612.5	3921.7	4120.2	4268.8	4245.7	4190.5	4019.2
47.5°	1917.6	2053.5	2197.8	2378.6	2547.7	2898.5	2872.5	3111.0	2939.2	3056.4	2798.5
50°	1522.8	1598.8	1676.5	1772.4	1860.8	1952.5	2009.8	2052.5	2047.0	2028.6	1979.2
52.5°	1295.5	1319.0	1357.3	1411.8	1461.2	1510.7	1543.4	1569.9	1570.5	1563.0	1538.1
55°	1082.7	1112.6	1140.1	1175.8	1236.5	1245.8	1292.7	1283.1	1286.9	1273.8	1287.1
57.5°	954.7	972.0	987.5	1008.7	1026.3	1046.8	1058.9	1070.5	1069.3	1066.8	1054.1
60°	863.9	873.5	882.1	894.5	904.1	915.6	921.3	927.2	925.2	920.9	909.5
62.5°	793.9	799.9	804.8	812.8	818.7	825.9	828.7	831.2	828.7	824.7	814.7
65°	724.8	728.8	731.9	737.8	742.0	748.1	750.6	752.9	750.7	747.5	739.8
67.5°	662.6	662.9	662.6	665.1	666.4	670.0	671.2	672.9	670.2	667.5	661.0
70°	615.3	614.4	613.2	614.2	614.4	616.2	616.4	616.2	613.0	608.2	601.2
72.5°	578.4	577.9	577.0	577.9	577.9	579.4	579.0	578.1	574.2	569.6	562.6
75°	530.9	530.6	528.9	528.9	527.4	527.9	526.0	524.9	520.5	516.7	510.4
77.5°	475.5	474.5	471.9	471.0	468.2	466.9	463.4	461.6	457.1	454.0	448.7
80°	413.5	412.5	409.2	407.3	402.9	400.1	394.7	391.6	386.5	383.5	378.3
82.5°	341.7	342.1	338.8	336.5	330.1	325.2	318.1	314.3	308.6	305.6	300.3
85°	243.1	239.6	241.4	241.3	237.3	233.1	227.2	223.2	218.4	215.6	211.9
87.5°	133.3	134.1	133.2	132.4	129.5	127.4	122.9	120.5	117.0	115.3	112.5
90°	99.1	95.5	88.9	85.4	78.7	74.1	66.9	62.8	55.9	54.0	50.2
92.5°	105.9	99.9	94.0	87.8	82.0	75.9	69.8	63.8	57.7	55.5	53.7
95°	133.9	125.1	116.4	107.6	98.9	90.1	81.5	72.7	64.0	62.2	60.4
97.5°	150.9	140.6	130.3	120.1	109.7	99.4	89.2	78.9	68.6	67.4	66.3
100°	269.0	245.3	221.6	197.8	174.1	150.3	126.6	102.9	79.2	77.8	76.4
102.5°	617.3	559.6	502.1	444.6	387.0	329.4	271.8	214.1	156.6	148.3	140.0
105°	1099.0	1011.8	924.8	837.6	750.5	663.2	576.2	488.9	401.8	373.7	345.7
107.5°	1446.1	1364.1	1282.2	1200.3	1118.3	1036.5	954.4	872.5	790.5	741.1	691.9
110°	1603.2	1538.1	1473.1	1408.0	1343.0	1277.9	1212.7	1147.7	1082.6	1039.9	997.6



TEST NUMBER: P1444448
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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°	1583.4	1535.5	1488.0	1440.2	1392.4	1344.6	1297.0	1249.0	1201.2	1175.4	1149.5
115°	1430.2	1401.2	1372.5	1343.6	1314.7	1285.8	1257.1	1227.9	1199.1	1185.4	1171.6
117.5°	1247.9	1233.0	1218.3	1203.4	1188.5	1173.5	1158.7	1143.7	1128.7	1123.9	1119.0
120°	1062.2	1057.5	1052.8	1048.1	1043.3	1038.6	1033.8	1029.1	1024.2	1024.6	1024.9
122.5°	907.1	908.5	910.0	911.2	912.7	913.9	915.4	916.7	918.0	921.3	924.7
125°	797.1	801.1	805.0	808.9	812.7	816.6	820.6	824.3	828.3	831.6	835.1
127.5°	717.7	722.0	726.5	730.9	735.3	739.6	744.1	748.2	752.7	755.6	758.8
130°	661.7	665.3	669.2	672.8	676.7	680.3	684.1	687.8	691.6	693.8	696.1
132.5°	620.1	623.5	626.8	630.0	633.5	636.7	640.1	643.3	646.8	648.3	649.9
135°	592.6	594.9	597.3	599.6	602.2	604.6	607.0	609.4	612.0	612.8	613.8
137.5°	567.4	569.3	571.3	573.2	575.1	577.1	579.2	581.1	583.3	583.4	583.9
140°	545.1	547.1	549.2	551.3	553.5	555.6	557.8	560.1	562.3	562.6	562.9
142.5°	527.9	529.4	531.0	532.6	534.3	535.8	537.6	539.5	541.2	541.5	541.8
145°	509.6	511.4	513.4	515.4	517.3	519.5	521.7	523.8	526.1	526.1	526.1
147.5°	496.2	497.9	499.6	501.3	503.1	504.8	506.9	508.7	510.7	510.7	510.7
150°	481.3	483.2	484.9	486.8	488.9	490.9	492.9	495.1	497.4	497.8	498.0
152.5°	468.1	470.0	472.1	474.3	476.5	478.8	481.1	483.3	485.7	486.1	486.4
155°	456.6	458.6	460.8	462.9	465.2	467.3	469.6	471.8	474.1	474.7	475.2
157.5°	449.2	450.9	452.8	454.8	456.7	458.7	460.7	462.6	464.8	465.2	465.6
160°	443.7	445.3	447.0	448.7	450.5	452.1	453.9	455.7	457.5	457.9	458.3
162.5°	438.8	440.4	442.1	443.7	445.6	447.2	449.0	450.7	452.4	452.8	453.3
165°	435.7	436.8	438.1	439.1	440.4	441.6	442.9	444.1	445.4	445.9	446.6
167.5°	437.0	437.7	438.7	439.5	440.6	441.6	442.6	443.4	444.5	444.9	445.5
170°	435.9	436.6	437.4	438.3	439.3	440.2	441.0	441.8	442.9	443.3	443.9
172.5°	436.2	436.7	437.3	437.8	438.5	439.0	439.6	440.3	440.8	441.6	442.1
175°	438.1	438.4	438.7	438.9	439.2	439.6	439.9	440.3	440.6	441.1	441.7
177.5°	441.5	441.8	441.9	442.1	442.6	442.8	443.1	443.3	443.6	444.3	444.9
180°	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3



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CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8
2.5°	19940.4	19940.1	19939.4	19938.6	19937.7	19938.2	19939.1	19941.4	19945.3	19951.1	19958.7
5°	19870.3	19874.4	19876.7	19877.1	19874.9	19873.7	19875.7	19881.1	19892.1	19910.7	19935.7
7.5°	19797.0	19801.9	19809.7	19815.5	19816.5	19815.1	19815.5	19824.0	19844.5	19880.6	19931.2
10°	19718.6	19703.7	19711.5	19725.9	19737.3	19739.4	19740.8	19751.0	19780.8	19835.4	19916.7
12.5°	19646.2	19599.0	19590.0	19602.9	19620.2	19625.8	19624.2	19628.6	19663.6	19735.8	19849.1
15°	19551.0	19462.2	19431.9	19435.2	19456.7	19464.3	19458.7	19450.1	19484.2	19572.3	19719.1
17.5°	19396.9	19253.8	19198.0	19195.6	19220.7	19227.4	19213.6	19186.9	19220.3	19330.4	19512.6
20°	19162.7	18951.4	18846.4	18829.7	18857.0	18849.0	18821.5	18781.2	18825.2	18959.0	19175.6
22.5°	18741.6	18474.0	18294.6	18236.7	18269.3	18247.6	18207.5	18155.9	18214.4	18366.4	18607.7
25°	18053.5	17744.3	17498.7	17360.9	17386.8	17347.9	17304.3	17241.8	17311.6	17486.0	17751.7
27.5°	17042.1	16684.8	16380.6	16152.5	16160.9	16109.9	16059.6	15978.8	16065.9	16272.4	16572.0
30°	15697.3	15283.9	14913.2	14603.4	14575.7	14526.2	14474.6	14368.6	14477.6	14724.8	15074.8
32.5°	14008.3	13549.3	13121.1	12729.3	12655.3	12607.1	12561.2	12439.1	12581.9	12870.1	13272.2
35°	12033.1	11544.3	11080.0	10632.5	10510.0	10461.7	10421.5	10304.6	10482.7	10796.4	11230.8
37.5°	9865.1	9365.7	8904.8	8445.8	8272.8	8207.3	8178.2	8101.6	8307.0	8617.3	9053.4
40°	7639.5	7175.1	6761.9	6356.5	6159.2	6059.0	6043.7	6029.8	6228.5	6497.6	6893.5
42.5°	5557.4	5182.7	4864.1	4554.3	4375.6	4238.7	4238.6	4280.2	4459.0	4660.6	4965.9
45°	3844.3	3592.8	3389.8	3182.7	3238.1	2965.3	3125.6	3043.4	3131.8	3261.7	3460.2
47.5°	2642.5	2505.3	2393.8	2278.1	2193.8	2113.3	2120.3	2172.2	2255.5	2332.6	2435.9
50°	1926.0	1856.1	1799.2	1739.2	1697.2	1661.7	1663.8	1686.3	1730.0	1770.7	1824.7
52.5°	1509.1	1470.5	1439.7	1406.5	1384.5	1366.8	1367.8	1378.7	1402.3	1425.6	1456.6
55°	1243.9	1239.3	1199.1	1169.3	1158.0	1146.1	1148.2	1152.5	1168.6	1182.2	1202.7
57.5°	1042.4	1024.4	1012.3	996.7	989.4	981.1	983.0	984.6	995.3	1004.4	1019.2
60°	900.1	887.3	878.8	868.1	863.4	858.1	859.3	860.3	867.1	873.1	883.7
62.5°	805.6	794.1	786.7	778.5	775.1	771.6	772.4	772.7	777.0	781.4	789.4
65°	733.1	724.0	717.8	710.7	707.2	703.5	703.8	703.8	707.5	710.7	716.7
67.5°	656.4	649.5	645.5	639.9	637.5	633.8	633.7	632.5	634.8	636.1	640.1
70°	594.8	587.9	582.8	577.4	574.4	571.1	571.1	571.2	574.0	576.8	582.2
72.5°	556.8	550.1	545.6	540.9	538.0	535.2	534.8	534.5	536.5	538.0	541.5
75°	506.4	501.1	498.5	494.0	491.9	488.6	488.1	486.6	487.6	487.9	490.5
77.5°	445.3	440.3	438.2	433.7	431.8	428.2	427.9	426.3	427.0	426.5	428.5
80°	375.7	371.2	370.0	366.3	365.4	362.0	361.6	359.5	360.2	358.6	359.3
82.5°	298.0	293.8	293.0	289.5	289.5	286.5	286.4	283.4	283.4	280.7	276.6
85°	209.9	206.8	205.6	202.8	202.0	199.5	198.3	195.4	194.4	192.5	191.9
87.5°	110.8	108.8	107.2	105.8	103.3	99.0	98.6	95.5	95.8	93.7	93.8
90°	48.7	45.1	43.7	40.3	38.7	36.0	34.5	35.5	37.0	38.0	39.5
92.5°	51.6	49.6	47.6	45.6	43.6	41.6	39.5	41.6	43.6	45.6	47.6
95°	58.6	56.9	55.0	53.2	51.4	49.6	47.9	49.6	51.4	53.3	55.1
97.5°	65.2	64.1	62.9	61.8	60.7	59.6	58.5	59.7	60.8	61.9	63.0
100°	75.1	73.8	72.4	71.1	69.8	68.4	67.1	68.6	70.0	71.3	72.6
102.5°	131.8	123.6	115.2	107.0	98.6	90.4	82.1	90.4	98.6	107.1	115.3
105°	317.6	289.7	261.7	233.7	205.6	177.6	149.6	177.7	205.7	233.8	261.9
107.5°	642.6	593.4	544.0	494.8	445.4	396.1	346.8	396.1	445.5	494.8	544.1
110°	955.0	912.4	869.9	827.4	784.8	742.2	699.6	742.3	785.0	827.6	870.2



TEST NUMBER: P1444448
 CATALOG NUMBER: EHBR1-24-UNV-TA-L830-UPL40

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	1123.7	1097.7	1071.8	1045.9	1020.0	994.0	968.0	994.2	1020.3	1046.3	1072.3
115°	1158.1	1144.2	1130.6	1116.7	1103.0	1089.2	1075.3	1089.4	1103.3	1117.2	1131.2
117.5°	1114.0	1109.2	1104.2	1099.2	1094.3	1089.3	1084.2	1089.5	1094.6	1099.9	1104.9
120°	1025.2	1025.6	1025.9	1026.2	1026.4	1026.6	1026.8	1027.0	1027.0	1027.0	1026.9
122.5°	928.0	931.4	934.6	937.9	941.1	944.3	947.4	944.6	941.7	938.9	935.8
125°	838.4	841.8	845.2	848.6	851.7	855.1	858.1	855.5	852.6	849.7	846.6
127.5°	761.8	764.7	767.7	770.7	773.5	776.4	779.1	776.8	774.3	771.8	769.3
130°	698.1	700.5	702.5	704.7	706.6	708.5	710.3	708.9	707.3	706.0	704.2
132.5°	651.4	653.0	654.6	656.0	657.3	658.6	659.7	659.1	658.2	657.4	656.4
135°	614.8	615.7	616.4	617.5	618.1	618.9	619.3	619.4	619.1	618.9	618.4
137.5°	584.0	584.3	584.6	584.7	584.8	584.7	584.6	585.3	585.7	586.4	586.6
140°	563.1	563.5	563.7	563.9	564.1	564.1	563.9	564.6	565.1	565.5	565.8
142.5°	542.1	542.4	542.5	542.8	542.8	542.9	542.7	543.4	543.9	544.2	544.6
145°	526.2	526.2	526.1	526.1	526.0	525.8	525.3	526.3	527.0	527.6	528.2
147.5°	510.8	510.9	510.6	510.5	510.3	510.1	509.8	510.6	511.3	511.9	512.6
150°	498.5	499.0	499.2	499.5	499.7	499.8	499.8	500.3	500.7	501.0	501.0
152.5°	486.8	487.1	487.4	487.6	487.8	487.8	487.9	488.3	488.9	489.1	489.3
155°	475.7	476.2	476.6	477.1	477.3	477.7	478.0	478.3	478.6	478.7	478.8
157.5°	466.1	466.6	466.9	467.4	467.7	468.2	468.4	468.8	469.1	469.4	469.5
160°	458.7	459.3	459.5	460.0	460.4	460.8	461.0	461.4	461.7	461.9	462.2
162.5°	453.6	454.1	454.3	454.8	455.1	455.5	455.8	456.2	456.5	456.7	456.9
165°	447.1	447.7	448.3	449.0	449.5	450.1	450.6	450.7	450.7	450.7	450.7
167.5°	446.0	446.6	447.1	447.7	448.1	448.8	449.2	449.3	449.3	449.3	449.2
170°	444.3	444.8	445.3	445.9	446.3	446.9	447.3	447.3	447.2	447.3	447.2
172.5°	442.7	443.4	444.1	444.8	445.3	446.1	446.6	446.5	446.2	446.0	445.5
175°	442.1	442.8	443.3	444.0	444.4	445.0	445.7	445.2	445.0	444.7	444.4
177.5°	445.8	446.6	447.4	448.0	448.8	449.4	450.2	449.5	449.0	448.3	447.7
180°	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3



TEST NUMBER: P1444448
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CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8
2.5°	19969.4	19979.4	19994.7	20008.6	20029.4	20045.9	20070.6	20089.3	20117.1	20135.3	20165.6
5°	19971.2	20010.3	20061.7	20111.8	20172.0	20226.7	20294.7	20352.7	20421.0	20476.8	20546.7
7.5°	19999.4	20074.8	20165.1	20256.0	20359.0	20455.2	20563.7	20661.8	20769.2	20859.9	20959.2
10°	20020.3	20136.4	20269.5	20403.5	20544.5	20675.3	20807.6	20921.9	21028.6	21116.5	21194.1
12.5°	19992.0	20152.1	20322.8	20487.8	20644.5	20780.0	20893.8	20981.6	21042.3	21083.4	21093.1
15°	19896.0	20088.7	20274.3	20438.5	20568.6	20668.9	20720.8	20745.1	20719.1	20675.7	20580.5
17.5°	19716.6	19919.8	20085.8	20215.4	20284.1	20311.3	20268.3	20193.5	20047.3	19884.9	19650.6
20°	19387.8	19577.1	19697.5	19768.2	19749.8	19681.8	19519.4	19322.1	19030.1	18719.0	18308.4
22.5°	18811.0	18976.5	19040.7	19045.9	18933.7	18763.5	18470.6	18132.1	17671.5	17192.7	16603.9
25°	17945.2	18090.1	18100.3	18043.4	17838.0	17562.2	17132.0	16653.2	16027.4	15389.4	14651.5
27.5°	16770.9	16910.0	16875.9	16769.7	16484.7	16115.5	15564.9	14946.2	14174.7	13421.3	12605.0
30°	15295.0	15443.6	15403.6	15267.3	14928.3	14492.0	13844.1	13125.3	12268.7	11463.9	10636.8
32.5°	13528.5	13716.5	13688.9	13559.3	13205.6	12738.6	12035.6	11273.2	10396.9	9603.8	8799.3
35°	11520.8	11749.0	11760.8	11676.1	11347.7	10886.1	10192.0	9454.0	8614.6	7866.3	7123.0
37.5°	9357.6	9622.2	9676.6	9653.7	9381.5	8974.0	8341.6	7679.6	6936.0	6280.2	5644.5
40°	7182.5	7450.3	7543.2	7570.9	7369.9	7054.4	6535.3	6001.0	5394.8	4863.3	4358.6
42.5°	5198.9	5436.4	5526.1	5582.6	5457.3	5246.8	4868.2	4480.2	4036.0	3652.7	3285.2
45°	3610.7	3778.7	3847.0	3903.8	3835.5	3716.9	3477.7	3235.0	2941.9	2691.4	2454.3
47.5°	2524.5	2617.1	2662.2	2689.8	2663.3	2601.4	2471.2	2330.7	2165.2	2018.8	1878.1
50°	1871.2	1920.5	1944.0	1960.0	1940.8	1906.3	1835.9	1759.3	1668.5	1585.6	1504.5
52.5°	1482.9	1511.1	1525.1	1533.8	1522.7	1501.6	1460.6	1415.3	1360.8	1309.5	1282.6
55°	1249.2	1247.8	1280.2	1264.6	1280.2	1245.3	1237.9	1188.0	1142.8	1110.8	1076.4
57.5°	1030.2	1044.9	1051.1	1058.1	1053.5	1047.1	1029.7	1011.9	988.0	968.1	946.8
60°	891.7	903.8	910.7	917.6	917.1	914.8	904.7	894.0	879.1	867.1	854.3
62.5°	796.4	806.9	813.6	820.2	820.8	819.8	812.2	804.8	794.6	787.1	778.2
65°	721.4	728.8	733.3	738.6	738.3	736.9	730.0	723.8	715.5	710.2	703.7
67.5°	642.9	648.4	651.9	656.9	657.9	658.2	654.4	651.6	647.5	646.0	643.7
70°	587.0	593.8	599.5	605.8	609.2	610.8	609.2	607.7	605.3	604.3	602.6
72.5°	544.8	550.5	554.9	560.6	563.8	566.1	564.8	564.1	561.9	561.7	560.5
75°	492.2	496.2	498.7	503.0	504.7	506.9	505.9	506.4	505.7	507.4	507.3
77.5°	429.2	432.1	433.2	436.3	436.7	439.2	439.9	442.9	445.0	449.8	452.3
80°	358.1	360.0	360.0	363.2	364.6	369.0	371.0	376.0	378.3	382.6	382.9
82.5°	278.2	276.0	278.2	276.9	280.9	285.9	286.5	290.8	291.7	294.4	292.3
85°	190.2	190.1	188.4	188.7	187.3	188.0	187.2	188.0	187.3	187.3	185.5
87.5°	91.1	92.0	89.9	90.6	88.7	89.5	87.9	89.2	87.2	87.5	84.5
90°	40.8	42.2	43.5	45.0	46.7	50.6	54.5	58.4	62.6	66.5	70.5
92.5°	49.6	51.7	53.8	55.7	57.8	63.9	69.9	76.0	82.1	88.1	94.1
95°	57.0	58.7	60.5	62.5	64.3	73.0	81.8	90.5	99.3	108.0	116.8
97.5°	64.3	65.4	66.5	67.6	68.8	79.2	89.5	99.8	110.1	120.5	130.7
100°	74.1	75.4	76.7	78.1	79.4	103.2	127.0	150.7	174.5	198.3	222.1
102.5°	123.7	132.0	140.3	148.7	157.0	214.6	272.3	329.9	387.4	445.1	502.6
105°	289.9	317.9	346.1	374.1	402.1	489.3	576.6	663.8	751.1	838.2	925.5
107.5°	593.6	643.0	692.3	741.7	791.1	873.1	955.1	1037.1	1119.2	1201.2	1283.0
110°	912.8	955.3	998.1	1040.7	1083.3	1148.5	1213.7	1278.8	1344.0	1409.1	1474.2



TEST NUMBER: P1444448
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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°	1098.4	1124.3	1150.3	1176.1	1202.2	1250.0	1298.1	1345.9	1393.7	1441.5	1489.4
115°	1145.0	1158.8	1172.7	1186.4	1200.3	1229.2	1258.3	1287.3	1316.3	1345.2	1374.2
117.5°	1110.1	1115.2	1120.2	1125.1	1130.1	1145.2	1160.2	1175.2	1190.3	1205.3	1220.3
120°	1026.8	1026.6	1026.4	1026.2	1026.0	1030.8	1035.8	1040.6	1045.5	1050.2	1055.0
122.5°	932.8	929.5	926.5	923.3	920.1	918.8	917.6	916.3	915.2	913.9	912.6
125°	843.5	840.2	837.1	833.9	830.6	826.8	823.1	819.2	815.5	811.8	807.9
127.5°	766.7	763.9	761.3	758.3	755.5	751.1	746.9	742.5	738.3	734.0	729.7
130°	702.4	700.5	698.8	696.5	694.7	690.8	687.4	683.6	680.0	676.3	672.7
132.5°	655.2	654.0	652.8	651.4	650.1	646.7	643.6	640.3	637.1	633.8	630.7
135°	618.0	617.4	616.9	616.2	615.5	613.1	610.8	608.5	606.1	603.8	601.5
137.5°	586.8	586.8	586.9	586.9	586.9	585.1	583.2	581.3	579.4	577.6	575.7
140°	566.1	566.1	566.2	566.2	566.2	564.2	562.1	560.2	558.1	555.9	554.0
142.5°	544.8	545.0	545.1	545.1	545.2	543.6	542.2	540.6	539.0	537.5	536.1
145°	528.7	529.1	529.5	529.7	530.2	528.1	526.3	524.3	522.5	520.5	518.7
147.5°	513.2	513.6	514.1	514.4	514.9	513.2	511.7	510.0	508.5	506.8	505.4
150°	501.3	501.4	501.5	501.6	501.6	499.8	498.1	496.5	494.8	492.9	491.2
152.5°	489.6	489.8	490.0	490.2	490.4	488.6	486.7	484.7	482.9	480.9	479.0
155°	479.0	479.0	479.1	479.1	479.1	477.3	475.6	473.7	471.9	470.0	468.3
157.5°	469.7	469.8	469.9	470.0	470.1	468.5	466.9	465.5	463.9	462.2	460.6
160°	462.4	462.5	462.7	462.8	462.9	461.6	460.4	458.9	457.8	456.2	454.8
162.5°	457.2	457.4	457.6	457.7	457.8	456.5	455.2	453.9	452.6	451.0	449.7
165°	450.8	450.7	450.7	450.5	450.4	449.4	448.7	447.7	446.9	445.9	445.0
167.5°	449.3	449.2	449.2	449.0	448.9	448.2	447.8	447.1	446.4	445.7	445.0
170°	447.2	447.0	447.0	446.8	446.7	446.1	445.5	444.8	444.4	443.4	442.8
172.5°	445.3	444.9	444.7	444.4	444.0	443.5	443.1	442.7	442.3	441.8	441.4
175°	444.0	443.6	443.3	443.0	442.6	442.5	442.2	442.1	441.8	441.7	441.4
177.5°	447.1	446.5	445.8	445.2	444.7	444.5	444.3	444.1	444.0	443.7	443.5
180°	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3



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CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8
2.5°	20184.4	20059.7	20043.2	20052.0	20072.8	20080.5	20103.0	20109.2	20131.7	20137.4	20159.1
5°	20600.9	20436.1	20444.3	20483.9	20543.9	20579.7	20638.6	20669.4	20725.7	20751.3	20802.1
7.5°	21040.0	20910.6	20951.0	21017.8	21099.7	21156.6	21227.4	21273.5	21334.6	21372.4	21421.3
10°	21255.6	21220.2	21264.6	21317.2	21364.0	21400.6	21430.6	21454.7	21470.4	21485.1	21491.6
12.5°	21091.6	21146.4	21154.0	21148.8	21117.9	21094.2	21041.0	21004.9	20940.8	20901.7	20825.5
15°	20483.2	20603.8	20537.1	20435.9	20287.9	20164.5	19990.3	19860.6	19679.1	19556.0	19373.9
17.5°	19415.6	19567.9	19393.9	19159.8	18862.1	18607.4	18290.4	18038.6	17723.3	17493.9	17199.7
20°	17912.8	18055.1	17744.6	17356.7	16896.2	16508.6	16051.5	15686.9	15262.2	14946.2	14565.0
22.5°	16041.5	16142.9	15705.5	15182.6	14595.8	14111.6	13565.1	13128.0	12643.2	12282.1	11875.5
25°	13971.3	13998.6	13474.0	12871.5	12217.6	11673.5	11090.0	10630.3	10136.0	9770.0	9371.0
27.5°	11881.9	11841.7	11274.6	10635.8	9947.9	9382.4	8813.3	8382.6	7949.7	7619.9	7276.2
30°	9909.6	9812.5	9223.7	8567.0	7899.4	7392.4	6920.0	6574.1	6229.8	5968.1	5692.2
32.5°	8101.1	7964.1	7390.9	6775.8	6213.1	5821.9	5471.6	5209.9	4931.8	4710.8	4479.2
35°	6499.3	6353.2	5845.5	5324.0	4898.1	4609.7	4334.4	4119.7	3883.6	3697.1	3496.1
37.5°	5124.5	5004.8	4579.5	4169.1	3847.0	3623.5	3397.9	3222.5	3027.3	2945.3	2730.4
40°	3956.1	3872.4	3539.9	3237.4	2995.5	2890.5	2661.6	2497.5	2351.7	2231.4	2115.0
42.5°	3085.8	3056.2	2732.6	2496.6	2326.3	2194.1	2066.4	1962.9	1862.0	1779.1	1700.8
45°	2264.5	2241.1	2097.4	1961.2	1845.1	1752.7	1666.5	1595.2	1529.3	1474.7	1424.9
47.5°	1763.4	1755.9	1673.1	1588.7	1515.6	1456.2	1400.2	1352.9	1309.1	1272.7	1260.8
50°	1434.2	1433.3	1384.7	1332.6	1280.5	1246.2	1210.4	1182.5	1154.4	1132.6	1109.4
52.5°	1218.7	1213.3	1180.5	1148.4	1117.5	1094.9	1072.1	1054.3	1035.6	1022.1	1007.7
55°	1049.1	1054.6	1035.7	1016.5	997.1	983.1	967.2	955.3	942.5	934.0	925.4
57.5°	931.4	938.7	928.7	917.9	906.1	896.9	885.8	877.7	869.2	863.7	858.7
60°	845.8	853.7	849.7	844.3	836.9	831.5	824.5	819.9	814.5	811.4	808.6
62.5°	773.1	783.1	781.7	779.1	774.4	771.4	767.5	765.5	761.8	760.5	759.2
65°	700.6	711.8	711.6	710.3	707.8	706.8	704.5	704.0	702.2	702.9	702.8
67.5°	643.5	653.4	655.5	657.0	656.9	657.6	657.3	658.3	658.3	659.7	660.6
70°	602.4	609.2	610.8	612.4	612.9	614.2	614.2	615.0	614.9	616.0	616.2
72.5°	560.8	569.7	571.4	572.7	572.7	574.0	573.3	573.1	571.3	570.9	569.7
75°	509.0	520.5	523.1	524.7	524.9	526.0	524.5	523.5	520.5	519.3	517.3
77.5°	455.0	466.9	468.7	469.3	468.4	468.5	465.3	463.0	459.3	457.7	455.7
80°	384.6	402.2	403.6	402.5	399.7	399.3	396.1	394.0	389.5	388.0	386.2
82.5°	292.6	313.2	316.1	317.5	315.2	315.8	312.7	311.5	307.3	306.6	303.9
85°	184.8	205.4	208.8	208.3	206.1	205.5	203.7	204.4	204.0	205.0	205.7
87.5°	84.9	104.8	109.7	108.1	107.9	106.5	103.3	104.4	106.4	107.6	107.7
90°	74.5	84.4	88.2	85.3	80.4	77.2	72.5	69.6	65.3	62.4	58.0
92.5°	100.2	106.2	112.3	106.9	101.5	96.1	90.8	85.2	80.0	74.5	69.2
95°	125.5	134.1	142.8	135.6	128.4	121.2	114.0	106.9	99.7	92.5	85.3
97.5°	141.0	151.2	161.4	154.2	147.1	139.8	132.5	125.4	118.2	110.9	103.8
100°	245.8	269.2	293.0	272.6	252.1	231.7	211.3	190.8	170.4	150.1	129.5
102.5°	560.2	617.7	675.1	623.4	571.8	520.2	468.5	416.9	365.3	313.5	262.0
105°	1012.5	1099.5	1186.5	1107.7	1028.8	950.0	871.1	792.4	713.6	634.7	555.9
107.5°	1365.1	1446.6	1528.3	1457.1	1385.9	1314.7	1243.4	1172.3	1101.0	1029.8	958.6
110°	1539.4	1603.7	1668.7	1620.9	1573.2	1525.3	1477.7	1429.9	1382.2	1334.5	1286.9



TEST NUMBER: P1444448
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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°	1537.0	1584.1	1631.6	1603.6	1575.8	1547.9	1520.2	1492.2	1464.5	1436.6	1409.0
115°	1402.9	1430.9	1459.5	1448.4	1437.7	1426.7	1415.8	1405.1	1394.2	1383.3	1372.7
117.5°	1235.1	1248.8	1263.4	1261.7	1259.9	1258.0	1256.3	1254.4	1252.8	1251.2	1249.5
120°	1059.9	1063.3	1067.7	1069.3	1071.1	1072.8	1074.6	1076.4	1078.2	1079.9	1081.8
122.5°	911.2	908.4	906.6	908.2	909.9	911.5	913.2	914.8	916.6	918.3	920.0
125°	804.1	798.6	794.2	792.6	791.2	789.6	788.1	786.5	785.1	783.6	782.2
127.5°	725.4	719.3	714.5	710.5	706.4	702.3	698.2	694.2	690.3	686.1	682.3
130°	669.0	663.5	659.3	654.0	648.9	643.6	638.5	633.3	628.1	622.9	617.8
132.5°	627.4	622.2	618.4	613.5	608.6	603.5	598.7	593.6	588.6	583.6	578.7
135°	599.1	594.6	591.8	587.2	583.0	578.4	573.9	569.4	564.9	560.3	556.0
137.5°	573.8	569.6	567.3	563.7	560.3	556.8	553.3	549.6	546.1	542.4	539.0
140°	551.9	547.4	544.9	543.0	541.2	539.2	537.4	535.4	533.5	531.7	529.6
142.5°	534.5	530.4	528.3	527.2	526.1	524.9	523.9	522.8	521.7	520.2	519.1
145°	516.8	512.1	509.6	509.6	509.9	509.9	509.9	510.0	510.1	510.0	510.1
147.5°	503.7	498.9	496.6	497.0	497.5	497.9	498.4	498.7	499.2	499.5	500.0
150°	489.4	484.1	481.4	482.1	482.8	483.5	484.3	484.9	485.7	486.4	487.1
152.5°	477.1	470.7	467.7	468.4	469.3	470.0	470.8	471.6	472.5	473.4	474.2
155°	466.2	459.5	456.3	456.6	456.9	457.2	457.6	458.1	458.5	458.9	459.5
157.5°	458.9	452.0	449.0	448.9	449.1	449.2	449.4	449.6	449.9	450.1	450.5
160°	453.5	446.6	443.8	443.7	443.9	444.0	444.1	444.2	444.5	444.7	445.0
162.5°	448.3	441.6	438.8	438.8	438.8	438.8	438.9	439.0	439.2	439.3	439.7
165°	444.0	438.4	436.0	436.2	436.5	436.7	437.0	437.3	437.7	438.0	438.5
167.5°	444.2	439.2	437.5	437.3	437.1	436.8	436.8	436.5	436.5	436.4	436.4
170°	442.0	438.1	436.4	436.5	436.8	436.8	436.8	437.1	437.2	437.2	437.4
172.5°	440.9	438.0	436.8	437.3	437.7	438.0	438.5	438.8	439.3	439.7	440.2
175°	441.2	439.4	438.9	438.9	439.2	439.4	439.7	439.9	440.2	440.3	440.8
177.5°	443.4	442.8	442.4	442.4	442.4	442.4	442.4	442.4	442.4	442.5	442.5
180°	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3



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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°	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8
2.5°	20163.1	20186.6	20184.9	20206.8	20205.7	20226.4	20222.2	20240.1	20236.0	20251.3	20242.4
5°	20824.5	20869.2	20884.0	20924.4	20932.7	20968.8	20969.5	20998.3	20994.8	21017.2	21005.3
7.5°	21450.2	21491.9	21511.7	21543.1	21558.7	21584.7	21594.9	21616.2	21621.3	21633.9	21633.6
10°	21503.0	21502.8	21512.6	21508.2	21517.0	21512.0	21522.7	21518.8	21534.6	21530.5	21542.4
12.5°	20792.5	20722.0	20696.3	20633.0	20619.1	20564.7	20568.6	20533.8	20550.5	20529.1	20565.6
15°	19265.6	19102.0	19021.2	18879.0	18834.3	18721.9	18712.8	18638.2	18658.3	18619.2	18676.4
17.5°	17009.2	16751.7	16610.4	16402.7	16320.3	16161.2	16129.4	16033.3	16048.2	15999.7	16068.7
20°	14319.0	14007.8	13829.6	13589.4	13482.2	13292.7	13242.4	13134.9	13148.4	13100.2	13178.3
22.5°	11598.0	11272.4	11071.1	10819.4	10682.6	10504.3	10450.9	10342.9	10348.9	10303.8	10378.8
25°	9097.7	8785.4	8590.1	8361.3	8242.7	8079.3	8023.1	7926.1	7931.6	7894.3	7961.6
27.5°	7037.7	6781.5	6618.0	6426.4	6320.0	6185.7	6130.9	6049.3	6049.0	6021.6	6077.9
30°	5499.6	5285.8	5139.0	4972.1	4872.2	4750.9	4698.0	4625.0	4621.8	4602.4	4647.1
32.5°	4306.1	4115.9	3982.0	3835.2	3745.4	3641.4	3591.2	3532.6	3527.3	3509.7	3546.4
35°	3347.4	3187.2	3072.1	2948.5	2957.6	2804.1	2829.6	2710.4	2678.1	2671.0	2698.3
37.5°	2587.2	2463.1	2369.6	2277.0	2214.3	2149.4	2114.4	2083.1	2079.5	2076.5	2095.6
40°	2025.1	1938.2	1870.2	1806.7	1763.5	1723.9	1702.1	1684.9	1680.7	1678.5	1690.0
42.5°	1639.0	1580.4	1536.6	1497.8	1471.6	1450.0	1438.0	1428.5	1425.3	1425.3	1432.1
45°	1384.7	1349.1	1320.9	1296.9	1280.1	1287.4	1265.8	1277.1	1262.1	1277.7	1267.4
47.5°	1219.4	1189.2	1171.6	1154.6	1144.5	1136.3	1136.6	1136.8	1140.0	1140.4	1143.8
50°	1091.9	1074.4	1062.2	1051.4	1046.1	1041.8	1043.2	1044.3	1047.5	1047.7	1050.1
52.5°	997.5	986.0	978.7	971.9	969.6	967.2	968.2	967.7	969.1	968.4	970.3
55°	920.7	915.3	913.0	910.5	910.9	910.2	910.6	908.1	906.6	904.9	906.5
57.5°	857.7	856.9	858.5	859.5	862.4	863.5	864.1	861.3	858.6	856.2	857.6
60°	809.1	810.3	814.1	817.3	821.4	823.4	824.5	822.9	820.9	819.0	820.2
62.5°	761.2	763.0	767.6	771.1	776.2	778.8	781.7	781.8	782.5	781.8	782.6
65°	705.6	707.9	712.0	714.9	719.6	721.9	724.8	725.4	727.0	726.6	728.0
67.5°	663.3	665.4	668.9	671.6	675.7	678.2	680.7	680.9	681.5	681.4	682.7
70°	618.2	619.3	622.3	624.7	628.8	631.2	634.2	635.2	637.0	637.3	638.7
72.5°	570.2	569.7	571.6	572.6	575.8	577.7	581.5	583.6	586.7	587.5	588.6
75°	517.8	517.4	519.6	520.5	523.2	525.1	529.3	532.1	536.9	538.9	538.4
77.5°	457.3	458.3	462.5	464.8	468.4	470.8	476.2	480.6	489.4	493.3	489.3
80°	389.5	390.6	394.9	397.1	401.8	404.7	410.8	416.0	423.9	425.6	423.4
82.5°	306.2	306.5	310.4	312.0	318.1	322.5	330.3	334.3	339.2	338.5	337.9
85°	208.8	211.6	216.5	221.3	228.7	235.8	243.2	249.2	244.9	251.7	244.1
87.5°	111.6	111.3	117.8	116.8	127.2	133.2	139.6	142.6	146.0	145.3	145.4
90°	55.4	52.5	51.5	48.5	48.0	44.9	44.9	41.9	42.2	38.9	43.6
92.5°	63.7	60.9	57.9	55.1	52.1	49.2	46.2	43.3	40.4	37.5	40.4
95°	78.1	75.4	72.8	70.0	67.3	64.6	61.9	59.2	56.6	53.9	57.2
97.5°	96.6	95.0	93.4	91.9	90.3	88.7	87.1	85.6	84.0	82.4	84.7
100°	109.1	109.1	109.1	109.1	109.0	109.0	109.0	109.0	109.0	109.0	110.8
102.5°	210.3	205.1	200.0	194.8	189.7	184.4	179.3	174.1	169.0	163.8	171.4
105°	477.2	457.0	436.7	416.6	396.3	376.2	355.9	335.8	315.6	295.4	316.3
107.5°	887.5	850.6	813.8	777.0	740.1	703.4	666.6	629.7	593.0	556.2	589.2
110°	1239.2	1200.1	1161.1	1122.0	1082.9	1043.8	1004.8	965.7	926.8	887.7	919.1



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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°	1381.2	1355.9	1330.7	1305.5	1280.3	1255.1	1230.0	1204.9	1179.8	1154.7	1169.9
115°	1361.8	1349.8	1337.8	1325.8	1313.8	1301.9	1289.9	1278.0	1266.1	1254.3	1255.2
117.5°	1247.9	1243.9	1239.8	1235.9	1232.0	1228.0	1224.1	1220.3	1216.5	1212.7	1204.1
120°	1083.8	1085.1	1086.4	1087.7	1089.2	1090.7	1092.0	1093.5	1095.1	1096.7	1085.3
122.5°	921.8	924.9	927.9	931.1	934.3	937.5	940.6	944.0	947.4	950.8	939.3
125°	780.7	783.7	786.6	789.7	792.7	796.0	799.2	802.6	805.9	809.3	799.7
127.5°	678.3	679.5	680.5	681.7	683.0	684.4	685.9	687.3	688.9	690.5	684.5
130°	612.6	611.7	610.7	610.0	609.0	608.4	607.8	607.3	606.7	606.3	603.6
132.5°	573.7	571.5	569.1	566.8	564.6	562.7	560.6	558.7	556.9	555.2	554.3
135°	551.3	548.2	544.9	541.9	538.7	535.8	532.8	530.2	527.4	524.7	525.1
137.5°	535.4	532.2	529.0	525.9	522.8	520.0	517.0	514.2	511.5	508.9	509.8
140°	527.7	524.5	521.3	518.3	515.3	512.3	509.4	506.8	503.9	501.4	502.0
142.5°	518.0	515.3	512.2	509.5	506.7	503.9	501.4	499.0	496.3	494.0	494.7
145°	510.2	508.1	505.9	503.8	501.8	499.9	497.9	496.1	494.3	492.7	493.0
147.5°	500.3	498.8	497.0	495.6	493.9	492.5	491.1	489.9	488.5	487.3	487.4
150°	487.8	486.8	485.8	484.7	483.8	482.9	481.9	481.1	480.3	479.4	479.3
152.5°	475.0	474.1	473.0	472.1	471.3	470.3	469.5	468.7	468.0	467.1	467.0
155°	459.9	459.5	459.0	458.7	458.2	458.0	457.5	457.4	457.0	456.7	456.8
157.5°	450.7	450.7	450.4	450.4	450.2	450.2	449.9	450.1	449.8	450.0	450.1
160°	445.4	445.0	444.7	444.5	444.2	443.8	443.6	443.4	443.3	443.0	443.3
162.5°	439.9	440.1	440.2	440.3	440.5	440.7	440.9	441.2	441.4	441.7	441.8
165°	438.9	438.8	438.7	438.6	438.6	438.5	438.4	438.5	438.4	438.5	438.8
167.5°	436.3	436.6	436.8	437.1	437.3	437.7	438.0	438.4	438.8	439.3	439.7
170°	437.5	437.5	437.5	437.5	437.5	437.6	437.7	437.8	437.9	438.1	438.4
172.5°	440.5	440.5	440.4	440.5	440.4	440.5	440.5	440.6	440.6	440.7	440.9
175°	440.8	441.2	441.5	441.7	441.8	442.1	442.3	442.5	442.8	443.0	443.0
177.5°	442.5	442.6	442.6	442.6	442.6	442.7	442.7	442.7	442.7	442.6	442.8
180°	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3



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CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8
2.5°	20257.3	20247.1	20257.5	20247.0	20257.5	20244.9	20253.4	20239.7	20243.2	20229.1	20232.7
5°	21023.2	21007.0	21015.6	20994.6	20996.9	20968.8	20968.3	20935.7	20927.1	20889.9	20873.6
7.5°	21642.6	21637.3	21640.2	21626.7	21625.2	21606.0	21596.9	21570.0	21553.0	21518.8	21495.4
10°	21544.5	21560.3	21564.3	21580.5	21583.8	21599.8	21603.1	21619.1	21622.3	21634.1	21634.3
12.5°	20563.9	20617.5	20630.4	20696.6	20724.4	20800.2	20840.8	20924.4	20973.9	21057.2	21108.4
15°	18674.8	18767.5	18804.5	18933.9	19005.4	19156.4	19251.2	19424.5	19546.9	19731.0	19862.3
17.5°	16074.8	16204.4	16263.0	16438.3	16552.7	16775.5	16936.1	17200.4	17402.8	17696.6	17929.4
20°	13191.6	13335.6	13415.1	13615.2	13750.1	14010.4	14211.0	14535.8	14806.7	15178.9	15497.2
22.5°	10402.3	10539.4	10627.5	10831.1	10983.1	11254.7	11478.7	11821.5	12125.0	12544.5	12926.1
25°	7987.0	8112.6	8192.4	8376.4	8519.2	8768.7	8982.7	9312.4	9609.3	10030.1	10421.4
27.5°	6105.9	6211.2	6288.0	6444.9	6570.9	6782.5	6966.3	7238.8	7494.7	7858.7	8207.2
30°	4674.6	4767.9	4842.7	4979.4	5096.1	5279.5	5441.2	5670.1	5881.8	6171.4	6448.7
32.5°	3572.2	3652.5	3719.1	3838.7	3944.7	4109.8	4255.5	4456.1	4637.8	4883.5	5111.6
35°	2723.7	2881.7	2870.5	3035.5	3062.1	3180.6	3310.5	3486.0	3647.0	3855.8	4050.0
37.5°	2114.1	2158.5	2206.0	2279.0	2355.6	2463.5	2573.3	2787.6	2866.2	3024.1	3184.8
40°	1704.7	1734.8	1766.2	1815.5	1869.2	1945.2	2025.1	2127.4	2232.2	2360.1	2490.8
42.5°	1441.2	1458.2	1478.2	1507.2	1540.2	1588.5	1642.0	1711.3	1784.1	1874.3	1966.2
45°	1287.6	1279.5	1285.5	1301.1	1321.0	1350.3	1384.1	1427.0	1474.4	1532.7	1594.9
47.5°	1144.5	1147.7	1149.5	1158.0	1168.6	1188.3	1208.7	1237.9	1294.2	1311.3	1345.2
50°	1050.0	1051.5	1051.0	1055.3	1060.6	1073.5	1086.7	1106.4	1126.1	1152.2	1177.2
52.5°	970.7	972.9	972.6	975.4	978.3	986.4	994.8	1008.7	1021.6	1038.2	1052.5
55°	908.0	911.1	912.4	914.7	916.1	920.3	923.7	930.3	935.8	945.2	953.9
57.5°	860.0	864.1	866.1	866.8	865.1	865.0	863.8	865.2	866.4	871.4	876.3
60°	822.1	825.4	825.9	825.4	822.3	820.1	816.5	815.4	814.8	817.3	819.9
62.5°	782.4	783.6	782.8	781.8	778.2	776.1	772.4	771.1	769.8	771.5	772.9
65°	727.5	728.6	727.5	727.0	723.8	722.0	718.9	717.9	716.1	716.6	716.3
67.5°	683.0	684.0	683.2	682.4	680.1	679.1	676.8	675.4	673.2	672.4	670.9
70°	638.6	639.4	638.1	637.3	634.8	633.8	631.6	631.2	629.5	629.2	627.4
72.5°	587.5	587.5	585.7	585.3	583.4	583.3	582.4	583.3	583.2	584.0	583.7
75°	535.2	534.5	532.2	531.9	530.5	531.1	530.2	531.4	531.6	533.5	533.7
77.5°	482.9	480.1	475.8	473.9	471.1	470.7	469.1	470.1	469.8	472.0	472.9
80°	416.7	413.4	407.9	405.4	402.0	401.5	400.1	401.5	400.7	403.3	405.2
82.5°	332.7	329.8	324.2	322.1	318.2	318.6	317.0	318.6	318.4	322.2	324.5
85°	246.1	244.2	238.4	233.2	227.5	224.2	221.0	220.4	219.4	221.0	222.3
87.5°	142.1	140.3	135.8	132.9	122.9	123.3	119.3	119.1	118.2	117.3	119.3
90°	44.4	48.5	49.6	53.5	54.8	59.1	60.6	64.8	66.3	70.9	72.9
92.5°	43.3	46.2	49.1	52.1	55.0	57.9	60.8	63.7	70.0	76.1	82.5
95°	60.6	64.0	67.3	70.6	74.0	77.4	80.7	84.1	93.3	102.5	111.7
97.5°	86.9	89.2	91.4	93.7	95.9	98.2	100.4	102.7	112.5	122.4	132.3
100°	112.6	114.4	116.2	118.0	119.8	121.6	123.4	125.1	144.3	163.4	182.5
102.5°	179.1	186.7	194.4	202.0	209.6	217.2	224.9	232.5	276.3	320.1	363.8
105°	337.1	358.0	378.9	399.7	420.6	441.5	462.4	483.2	553.3	623.3	693.4
107.5°	622.2	655.1	688.1	721.1	754.1	787.1	820.1	853.2	921.4	989.7	1058.0
110°	950.5	982.0	1013.3	1044.9	1076.3	1107.8	1139.1	1170.7	1211.6	1252.6	1293.5



TEST NUMBER: P1444448
 CATALOG NUMBER: EHBR1-24-UNV-TA-L830-UPL40

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	1185.2	1200.4	1215.8	1231.1	1246.5	1261.7	1277.1	1292.6	1313.0	1333.3	1353.7
115°	1256.1	1257.1	1258.0	1259.0	1260.1	1261.0	1262.2	1263.2	1269.6	1275.9	1282.3
117.5°	1195.7	1187.3	1178.8	1170.5	1162.2	1153.9	1145.6	1137.4	1135.9	1134.4	1133.0
120°	1074.1	1062.8	1051.5	1040.0	1028.9	1017.6	1006.6	995.5	989.7	983.9	978.1
122.5°	928.1	916.9	905.6	894.3	883.2	872.1	861.1	850.2	846.0	841.7	837.6
125°	790.2	780.7	771.4	762.0	752.7	743.6	734.5	725.3	724.8	724.2	723.8
127.5°	678.6	672.8	667.0	661.4	655.8	650.2	644.7	639.2	641.3	643.3	645.4
130°	600.9	598.3	595.8	593.1	590.9	588.5	586.2	583.9	587.9	591.6	595.6
132.5°	553.9	553.2	552.8	552.3	552.1	551.7	551.6	551.3	555.8	560.2	564.8
135°	525.7	526.1	527.0	527.6	528.5	529.2	530.3	531.0	535.4	539.5	544.0
137.5°	510.8	511.7	512.8	514.0	515.3	516.5	517.9	519.1	522.5	525.9	529.1
140°	502.8	503.4	504.3	505.3	506.3	507.1	508.4	509.4	512.2	514.6	517.3
142.5°	495.5	496.1	496.9	497.9	498.9	499.6	500.8	501.6	503.6	505.4	507.4
145°	493.6	493.9	494.7	495.1	495.9	496.5	497.3	498.0	499.2	500.2	501.3
147.5°	487.7	487.9	488.3	488.6	489.1	489.4	489.8	490.2	490.9	491.6	492.1
150°	479.3	479.3	479.5	479.4	479.7	479.9	480.0	480.2	480.7	481.3	481.9
152.5°	467.1	467.1	467.1	467.1	467.2	467.3	467.3	467.5	468.1	468.6	469.2
155°	457.0	457.3	457.6	457.9	458.2	458.3	458.7	459.0	459.4	459.6	460.0
157.5°	450.4	450.6	450.9	451.0	451.4	451.7	452.0	452.1	452.5	452.8	453.1
160°	443.9	444.4	444.7	445.3	445.9	446.2	446.8	447.3	447.6	447.8	448.1
162.5°	442.2	442.5	442.8	443.0	443.3	443.6	443.8	444.1	444.7	445.1	445.7
165°	439.5	439.9	440.4	440.9	441.5	441.9	442.4	442.9	443.2	443.4	443.6
167.5°	440.3	440.5	441.2	441.7	442.2	442.6	443.2	443.6	443.9	444.0	444.4
170°	438.8	439.3	439.8	440.2	440.7	441.0	441.6	441.9	442.4	442.9	443.3
172.5°	441.3	441.7	442.1	442.3	442.8	443.2	443.6	443.9	444.3	444.7	445.0
175°	443.0	443.0	443.1	443.2	443.3	443.3	443.3	443.4	443.5	443.6	443.6
177.5°	443.1	443.3	443.4	443.7	443.9	444.1	444.4	444.6	444.6	444.6	444.6
180°	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3



TEST NUMBER: P1444448
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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°	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8
2.5°	20218.6	20219.4	20203.1	20202.2	20186.9	20185.0	20170.2	20165.6	20153.5	20149.2	20136.8
5°	20831.9	20812.1	20766.2	20739.2	20693.9	20663.8	20614.7	20582.7	20535.3	20499.6	20451.9
7.5°	21452.3	21421.5	21370.0	21328.2	21265.3	21215.1	21141.3	21081.0	21001.2	20932.2	20848.4
10°	21634.3	21629.5	21616.4	21597.3	21568.0	21535.1	21485.0	21432.7	21362.8	21286.9	21193.7
12.5°	21186.6	21234.9	21300.9	21339.9	21387.5	21408.3	21427.8	21422.9	21410.1	21371.7	21317.8
15°	20052.5	20188.3	20368.3	20507.6	20668.0	20784.5	20913.3	20993.5	21073.5	21110.4	21133.1
17.5°	18248.4	18505.6	18828.2	19095.5	19403.9	19651.6	19923.1	20127.5	20337.7	20488.4	20624.5
20°	15931.1	16303.8	16760.0	17162.9	17631.6	18038.8	18485.0	18851.4	19229.1	19524.5	19804.1
22.5°	13417.6	13860.2	14411.6	14922.5	15526.6	16069.5	16682.0	17215.2	17771.8	18236.9	18686.5
25°	10945.9	11431.3	12034.4	12604.4	13288.5	13920.0	14646.5	15310.9	16030.3	16655.0	17272.0
27.5°	8689.0	9165.5	9781.2	10387.9	11111.3	11784.3	12562.6	13294.6	14113.9	14869.2	15642.0
30°	6833.9	7238.1	7790.1	8377.8	9091.4	9776.1	10562.9	11315.8	12167.9	12992.8	13863.2
32.5°	5414.4	5722.3	6156.2	6653.2	7311.6	7963.3	8712.5	9439.3	10278.5	11111.7	12017.0
35°	4300.0	4540.1	4871.1	5258.9	5816.3	6378.2	7040.9	7701.8	8484.8	9275.4	10155.3
37.5°	3390.8	3585.6	3844.8	4136.1	4583.3	5044.4	5587.7	6135.7	6816.0	7516.8	8314.3
40°	2647.8	2805.6	3007.3	3224.6	3562.3	3917.6	4337.8	4762.7	5309.3	5882.1	6542.1
42.5°	2080.1	2196.5	2339.0	2497.7	2812.7	3001.4	3286.3	3593.7	3995.5	4411.3	4907.5
45°	1670.4	1749.9	1848.7	1955.2	2101.4	2261.4	2456.6	2661.2	3042.9	3230.1	3532.0
47.5°	1395.0	1448.3	1511.2	1578.3	1664.5	1757.5	1873.3	1991.6	2144.7	2303.3	2489.3
50°	1209.5	1263.7	1285.3	1320.0	1369.9	1423.1	1488.3	1553.6	1635.7	1718.9	1814.6
52.5°	1071.8	1089.5	1113.0	1135.0	1166.0	1226.4	1246.0	1280.2	1326.2	1371.2	1421.5
55°	966.7	978.1	993.5	1006.8	1025.4	1043.3	1069.2	1091.8	1122.6	1149.6	1183.1
57.5°	884.8	892.1	902.7	911.5	923.6	933.7	948.8	961.1	978.8	994.1	1014.4
60°	825.3	830.2	837.3	843.0	850.8	856.1	863.6	869.3	878.6	886.4	897.7
62.5°	776.8	779.2	783.9	787.3	792.2	794.9	798.8	801.4	806.5	810.4	816.7
65°	718.5	719.1	722.2	723.6	727.4	728.9	732.1	733.3	737.6	740.5	746.0
67.5°	670.8	669.4	669.5	668.3	668.9	667.8	668.1	666.8	668.6	669.5	673.7
70°	627.1	625.3	624.7	622.7	622.1	620.0	619.4	617.6	617.4	616.7	618.2
72.5°	584.7	584.1	584.3	582.9	582.7	581.3	581.4	580.5	581.5	581.9	583.9
75°	535.8	536.0	536.9	535.6	536.0	534.9	535.2	534.2	534.8	534.5	536.5
77.5°	476.3	477.7	480.3	479.8	480.6	479.3	479.9	478.3	478.8	477.7	478.5
80°	409.4	412.4	415.9	415.7	417.2	416.3	417.6	416.1	416.7	415.0	414.5
82.5°	330.0	332.5	336.3	336.4	339.7	340.3	343.9	343.8	346.0	344.5	343.5
85°	225.7	227.3	230.6	232.4	235.7	237.8	241.3	242.7	240.2	244.8	241.1
87.5°	117.8	122.2	119.7	125.4	124.1	129.9	128.6	133.9	132.9	137.5	136.9
90°	78.2	80.7	86.2	88.7	94.9	97.9	98.0	94.4	94.4	91.0	91.0
92.5°	88.6	95.2	101.4	107.7	114.0	120.4	114.5	108.7	102.8	97.0	91.1
95°	120.8	130.1	139.3	148.5	157.6	166.8	157.0	147.2	137.3	127.5	117.6
97.5°	142.1	152.0	161.9	171.7	181.7	191.6	179.8	168.2	156.5	145.0	133.3
100°	201.5	220.7	239.7	258.8	277.9	297.0	275.4	253.6	231.8	210.1	188.3
102.5°	407.7	451.4	495.2	539.0	582.7	626.6	580.5	534.5	488.2	442.0	395.9
105°	763.4	833.5	903.5	973.6	1043.7	1113.8	1039.0	964.2	889.3	814.6	739.7
107.5°	1126.4	1194.5	1263.0	1331.2	1399.5	1467.9	1392.0	1316.2	1240.3	1164.3	1088.5
110°	1334.5	1375.6	1416.6	1457.6	1498.5	1539.7	1484.2	1428.8	1373.4	1317.9	1262.4



TEST NUMBER: P1444448
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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°	1374.2	1394.7	1415.0	1435.6	1455.9	1476.5	1436.8	1397.2	1357.4	1317.8	1278.0
115°	1288.7	1295.0	1301.5	1307.9	1314.2	1320.7	1293.8	1267.0	1240.1	1213.3	1186.3
117.5°	1131.6	1130.3	1128.8	1127.6	1126.1	1124.8	1109.7	1094.5	1079.4	1064.2	1049.0
120°	972.3	966.5	960.7	955.0	949.2	943.3	936.8	930.3	923.6	917.0	910.4
122.5°	833.5	829.4	825.2	821.1	816.8	812.6	809.9	807.3	804.4	801.8	798.9
125°	723.2	722.8	722.2	721.7	721.2	720.6	719.0	717.5	715.9	714.5	712.8
127.5°	647.3	649.4	651.3	653.3	655.2	657.2	656.5	656.0	655.3	654.8	654.0
130°	599.3	603.2	607.0	610.7	614.4	618.3	617.1	616.2	615.1	614.1	613.0
132.5°	569.3	573.7	578.2	582.8	587.0	591.5	590.2	589.1	587.7	586.6	585.3
135°	548.2	552.4	556.5	560.9	564.9	569.1	567.5	566.1	564.6	563.2	561.7
137.5°	532.4	535.9	539.1	542.4	545.5	548.8	547.2	545.8	544.2	542.9	541.3
140°	519.8	522.4	524.8	527.6	529.9	532.5	530.7	529.0	527.2	525.4	523.6
142.5°	509.2	511.2	512.8	514.7	516.5	518.4	515.9	513.7	511.4	509.2	506.9
145°	502.5	503.8	504.7	505.8	506.8	507.9	505.3	502.8	500.1	497.7	495.0
147.5°	492.7	493.5	493.8	494.5	495.0	495.6	493.1	490.7	488.3	485.9	483.4
150°	482.3	483.1	483.4	483.9	484.5	485.0	482.4	480.0	477.4	474.9	472.6
152.5°	469.8	470.2	470.7	471.2	471.6	472.1	469.7	467.5	465.1	462.7	460.4
155°	460.1	460.5	460.7	461.0	461.0	461.2	459.2	457.5	455.4	453.6	451.5
157.5°	453.3	453.6	453.8	453.9	454.1	454.3	452.8	451.4	449.9	448.4	446.8
160°	448.3	448.6	448.8	449.0	449.2	449.2	448.0	446.8	445.6	444.3	442.9
162.5°	446.1	446.5	447.0	447.4	447.8	448.2	446.6	445.2	443.8	442.2	440.6
165°	443.9	444.1	444.3	444.6	444.6	444.8	443.8	442.8	441.7	440.7	439.7
167.5°	444.5	444.7	444.9	445.1	445.2	445.4	444.4	443.4	442.3	441.3	440.2
170°	443.6	444.0	444.5	444.7	445.1	445.4	444.6	443.8	442.9	442.1	441.2
172.5°	445.4	445.8	446.0	446.3	446.6	447.0	446.1	445.2	444.4	443.5	442.6
175°	443.6	443.7	443.9	443.9	443.9	444.0	443.3	442.7	442.0	441.4	440.6
177.5°	444.6	444.6	444.6	444.5	444.5	444.5	444.0	443.5	443.2	442.7	442.1
180°	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3



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CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8	20006.8
2.5°	20132.5	20123.7	20118.1	20110.9	20106.5	20100.9	20096.9	20093.3	20090.5	20088.0	20086.0
5°	20415.6	20370.5	20335.6	20297.8	20266.7	20235.7	20211.8	20192.1	20178.4	20168.2	20162.1
7.5°	20776.0	20693.6	20620.3	20543.2	20474.1	20406.1	20347.6	20297.1	20259.1	20234.6	20219.7
10°	21097.9	20987.6	20878.5	20763.7	20654.9	20549.3	20451.9	20366.2	20298.3	20253.2	20226.9
12.5°	21242.1	21148.2	21036.8	20912.2	20778.8	20643.8	20512.3	20393.7	20294.1	20227.3	20188.7
15°	21115.0	21076.5	21000.9	20904.2	20777.6	20638.0	20483.6	20338.5	20204.9	20118.3	20068.1
17.5°	20701.6	20755.5	20749.7	20712.7	20621.7	20504.3	20346.9	20183.8	20016.8	19901.0	19837.8
20°	20004.1	20173.3	20259.1	20303.3	20267.5	20191.3	20048.8	19883.3	19688.6	19537.5	19445.2
22.5°	19023.8	19322.5	19508.7	19644.9	19673.9	19647.9	19522.0	19364.7	19147.6	18965.9	18829.7
25°	17761.8	18199.5	18493.7	18724.4	18814.0	18837.1	18730.1	18573.5	18331.6	18120.0	17932.8
27.5°	16275.4	16844.1	17236.9	17546.9	17686.7	17747.4	17648.9	17489.2	17202.9	16950.3	16705.9
30°	14602.0	15276.7	15749.6	16121.3	16291.8	16372.0	16267.3	16089.0	15756.0	15451.9	15144.1
32.5°	12810.8	13549.2	14064.6	14468.2	14637.2	14712.6	14575.7	14375.4	13990.4	13632.3	13273.3
35°	10935.6	11680.9	12200.6	12593.4	12735.0	12780.5	12605.4	12373.9	11947.4	11554.4	11162.9
37.5°	9022.1	9715.5	10187.8	10540.4	10628.1	10636.0	10424.9	10169.3	9721.1	9333.5	8943.8
40°	7125.2	7710.0	8091.4	8373.5	8404.0	8376.8	8147.4	7890.2	7470.8	7123.6	6781.5
42.5°	5338.4	5779.8	6051.9	6245.3	6233.8	6180.2	5969.8	5748.8	5402.7	5138.3	4869.0
45°	3807.6	4098.7	4257.8	4371.0	4334.6	4283.5	4119.7	3964.8	3729.7	3558.8	3378.0
47.5°	2645.2	2992.8	2932.3	3153.5	2962.9	3088.8	2826.6	2682.1	2557.3	2466.5	2364.3
50°	1893.7	1973.4	2011.9	2038.1	2024.1	2004.8	1957.7	1915.6	1858.6	1817.0	1768.6
52.5°	1462.5	1502.3	1524.1	1539.9	1536.8	1529.7	1509.2	1490.4	1463.7	1446.2	1424.9
55°	1238.8	1239.4	1279.5	1262.3	1287.7	1257.9	1269.6	1236.6	1242.0	1213.6	1194.6
57.5°	1029.3	1045.7	1053.0	1060.2	1058.2	1056.9	1048.9	1045.0	1036.0	1033.3	1026.9
60°	905.5	914.0	915.8	919.1	916.3	915.3	909.1	906.8	900.8	899.7	895.5
62.5°	820.6	824.9	824.9	824.9	821.3	817.9	811.0	807.3	802.3	801.2	798.7
65°	749.6	754.1	754.9	755.8	753.3	750.6	744.5	740.6	735.3	733.3	730.5
67.5°	676.5	681.3	682.9	685.4	683.9	683.3	679.2	677.6	674.1	673.3	670.8
70°	619.0	620.9	620.9	620.8	617.5	614.6	609.8	607.5	603.9	603.1	600.7
72.5°	584.8	586.2	585.3	584.0	579.8	575.5	569.9	565.8	561.0	558.0	554.7
75°	536.6	538.5	537.4	536.5	532.7	529.9	525.4	523.2	519.8	518.8	516.5
77.5°	477.6	478.5	476.5	476.3	473.4	471.6	468.3	467.6	465.2	465.3	463.0
80°	411.8	411.3	408.2	407.6	404.7	403.9	401.3	401.5	399.5	400.3	398.8
82.5°	338.8	337.0	332.9	331.8	328.4	328.1	326.3	327.8	326.6	328.4	327.4
85°	242.8	243.4	241.6	241.6	240.6	240.9	240.7	241.9	242.0	243.6	243.5
87.5°	135.4	137.3	136.9	138.7	138.6	140.7	141.3	144.3	144.6	147.4	147.4
90°	87.6	87.8	84.3	84.6	83.0	84.8	83.6	85.3	83.8	85.2	83.0
92.5°	85.3	79.4	73.7	67.8	64.9	61.8	59.2	55.9	53.2	50.1	47.1
95°	107.7	97.9	88.0	78.1	74.7	71.3	67.9	64.5	61.3	57.9	54.5
97.5°	121.7	110.0	98.4	86.6	83.7	80.8	77.8	74.9	71.9	69.0	66.1
100°	166.5	144.8	123.1	101.3	98.8	96.3	93.9	91.4	88.9	86.5	84.0
102.5°	349.8	303.5	257.3	211.1	202.4	193.6	184.9	176.1	167.3	158.6	149.9
105°	664.9	589.9	515.1	440.2	416.4	392.6	368.9	345.1	321.3	297.5	273.8
107.5°	1012.5	936.4	860.5	784.4	740.6	696.6	652.6	608.6	564.7	520.7	476.7
110°	1206.9	1151.4	1095.9	1040.2	1005.0	969.6	934.1	898.7	863.4	827.9	792.4



TEST NUMBER: P1444448
 CATALOG NUMBER: EHBR1-24-UNV-TA-L830-UPL40

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1238.2	1198.4	1158.6	1118.7	1102.8	1086.6	1070.6	1054.5	1038.3	1022.1	1006.1
115°	1159.5	1132.5	1105.6	1078.4	1072.9	1067.1	1061.4	1055.6	1049.9	1044.1	1038.2
117.5°	1033.8	1018.6	1003.3	988.0	988.9	989.6	990.7	991.4	992.1	992.7	993.6
120°	903.7	897.0	890.4	883.8	888.6	893.2	898.0	902.5	907.1	911.6	916.2
122.5°	796.3	793.4	790.8	787.8	793.6	799.3	804.9	810.4	816.1	821.4	826.9
125°	711.3	709.7	708.2	706.4	712.2	717.9	723.5	729.1	734.7	740.1	745.5
127.5°	653.4	652.8	652.1	651.4	655.5	659.3	663.3	667.0	671.0	674.5	678.1
130°	612.0	610.9	609.9	608.8	612.3	615.8	619.4	622.7	626.2	629.3	632.6
132.5°	584.0	582.7	581.5	580.2	582.8	585.1	587.6	589.8	592.1	594.1	596.2
135°	560.3	558.7	557.3	555.7	558.0	560.2	562.5	564.5	566.5	568.3	570.3
137.5°	539.9	538.3	536.8	535.2	537.3	539.3	541.1	543.0	544.8	546.6	548.1
140°	522.0	520.2	518.5	516.6	518.4	520.2	521.8	523.3	525.0	526.3	527.7
142.5°	504.7	502.3	500.2	497.8	499.1	500.2	501.5	502.5	503.7	504.6	505.5
145°	492.4	489.8	487.3	484.7	485.7	486.5	487.6	488.5	489.1	489.8	490.6
147.5°	481.1	478.6	476.1	473.6	474.4	475.1	475.6	476.1	476.9	477.3	477.7
150°	469.9	467.3	464.9	462.3	462.9	463.5	464.0	464.5	465.1	465.5	465.8
152.5°	458.0	455.6	453.2	450.7	451.3	451.8	452.1	452.5	453.0	453.4	453.6
155°	449.6	447.6	445.6	443.4	444.0	444.4	444.7	445.1	445.4	445.7	446.0
157.5°	445.2	443.6	442.1	440.4	440.5	440.7	440.8	440.8	440.9	441.0	441.0
160°	441.7	440.3	438.8	437.4	437.4	437.6	437.7	437.6	437.7	437.6	437.6
162.5°	439.0	437.5	435.9	434.3	434.3	434.5	434.5	434.5	434.5	434.5	434.5
165°	438.7	437.4	436.3	435.0	434.9	434.8	434.7	434.4	434.3	434.0	433.8
167.5°	439.0	437.9	436.7	435.4	435.6	435.8	435.8	435.9	435.9	435.9	435.9
170°	440.3	439.3	438.5	437.4	437.3	437.3	437.2	437.0	436.8	436.6	436.4
172.5°	441.7	440.7	439.9	438.8	438.8	438.7	438.6	438.5	438.2	438.1	438.0
175°	439.9	439.2	438.4	437.7	437.6	437.6	437.5	437.4	437.3	437.3	437.1
177.5°	441.7	441.3	440.7	440.3	440.2	440.2	440.1	440.0	440.0	440.0	439.9
180°	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3



TEST NUMBER: P1444448
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CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	20006.8	20006.8
2.5°	20084.3	20083.2
5°	20158.9	20157.7
7.5°	20215.7	20215.4
10°	20222.4	20225.9
12.5°	20182.0	20184.9
15°	20064.2	20069.7
17.5°	19838.9	19846.1
20°	19450.9	19458.3
22.5°	18822.4	18825.5
25°	17908.7	17895.7
27.5°	16663.0	16640.7
30°	15079.4	15057.9
32.5°	13191.4	13177.9
35°	11066.2	11057.7
37.5°	8828.6	8811.2
40°	6656.3	6605.8
42.5°	4751.2	4662.4
45°	3283.4	3178.3
47.5°	2292.2	2227.2
50°	1737.4	1716.4
52.5°	1415.7	1410.8
55°	1194.5	1192.3
57.5°	1028.3	1027.6
60°	897.7	897.5
62.5°	800.3	800.7
65°	731.8	731.9
67.5°	671.4	671.0
70°	601.6	601.1
72.5°	553.6	552.8
75°	516.5	516.0
77.5°	463.8	462.9
80°	399.8	398.8
82.5°	328.9	327.7
85°	245.3	245.3
87.5°	150.1	150.0
90°	84.2	81.8
92.5°	44.4	41.7
95°	51.1	47.8
97.5°	63.2	60.3
100°	81.5	79.1
102.5°	141.1	132.4
105°	250.0	226.2
107.5°	432.8	388.8
110°	757.0	721.5



TEST NUMBER: P1444448
CATALOG NUMBER: EHBR1-24-UNV-TA-L830-UPL40

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	989.8	973.7
115°	1032.2	1026.4
117.5°	994.1	994.8
120°	920.5	925.0
122.5°	832.1	837.4
125°	750.8	756.1
127.5°	681.6	685.0
130°	635.3	638.5
132.5°	598.0	599.9
135°	571.9	573.5
137.5°	549.4	550.9
140°	529.0	530.1
142.5°	506.3	507.1
145°	491.2	491.8
147.5°	477.8	478.3
150°	466.1	466.4
152.5°	453.8	454.2
155°	446.2	446.3
157.5°	440.9	440.8
160°	437.5	437.4
162.5°	434.4	434.4
165°	433.4	433.1
167.5°	435.8	435.9
170°	436.1	436.0
172.5°	437.8	437.6
175°	437.0	437.0
177.5°	439.9	439.7
180°	442.3	442.3

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-2

Test Date: 07/31/2025

Luminaire Tested: EHBR-60-L830-N

Data in this report applies to families of products including EHBR-60-L830-N

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-2
 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-L830-N**
 Description: Elevate Round Highbay at, 60000 lumens, 3000K 80CRI LEDs with N lens

Spectral Parameters

CCT (K): 2983
 CIE u': 0.2516
 CIE v': 0.5201
 Duv: -0.0012
 CIE x: 0.4364
 CIE y: 0.4010
 CIE z: 0.1626
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 583
 Purity: 51.34918
 Rf: 81.2
 Rg: 101.5

CRI (Ra):	83.4		
R1:	84.0	R9:	29.4
R2:	87.5	R10:	68.6
R3:	88.9	R11:	82.2
R4:	83.8	R12:	61.6
R5:	81.9	R13:	83.9
R6:	83.1	R14:	92.5
R7:	87.1	R15:	79.8
R8:	70.9		



Test Conditions

Stabilization Time: 38M
 Operation Time: 1H 38M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-2

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: SP1-2506-472-2

CIE 1931 Chromaticity Diagram



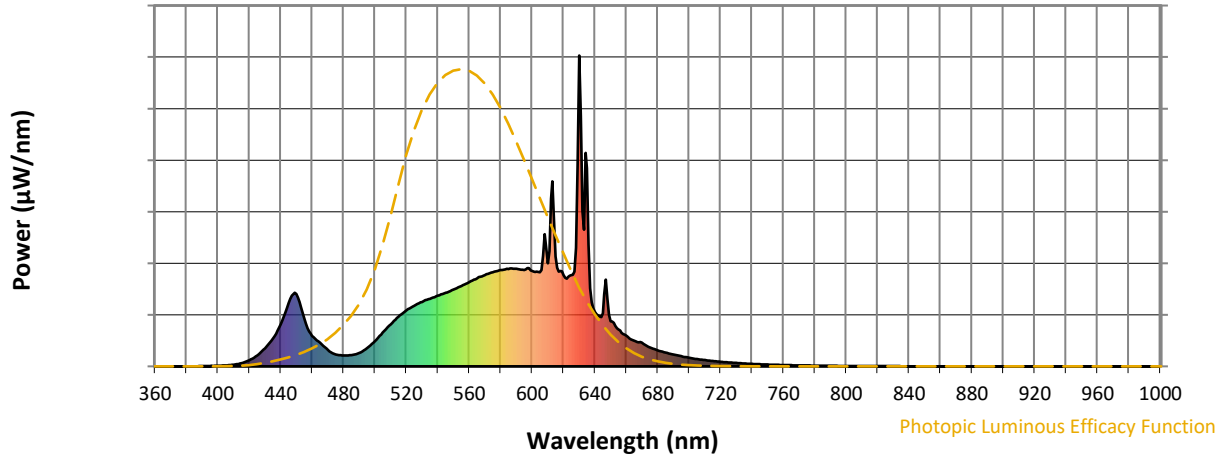
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-2

Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	43	NR	620	294	NR	750	6	NR	880	0	NR
365	0	NR	495	59	NR	625	294	NR	755	5	NR	885	0	NR
370	0	NR	500	81	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	109	NR	635	637	NR	765	4	NR	895	0	NR
380	0	NR	510	135	NR	640	175	NR	770	3	NR	900	0	NR
385	0	NR	515	160	NR	645	171	NR	775	3	NR	905	0	NR
390	1	NR	520	180	NR	650	146	NR	780	2	NR	910	0	NR
395	1	NR	525	195	NR	655	119	NR	785	2	NR	915	0	NR
400	2	NR	530	207	NR	660	99	NR	790	2	NR	920	0	NR
405	3	NR	535	218	NR	665	82	NR	795	2	NR	925	0	NR
410	5	NR	540	227	NR	670	76	NR	800	1	NR	930	0	NR
415	10	NR	545	237	NR	675	61	NR	805	1	NR	935	0	NR
420	20	NR	550	247	NR	680	52	NR	810	1	NR	940	0	NR
425	35	NR	555	259	NR	685	44	NR	815	1	NR	945	0	NR
430	58	NR	560	271	NR	690	38	NR	820	1	NR	950	0	NR
435	90	NR	565	283	NR	695	33	NR	825	1	NR	955	0	NR
440	135	NR	570	293	NR	700	27	NR	830	1	NR	960	0	NR
445	204	NR	575	303	NR	705	24	NR	835	1	NR	965	0	NR
450	233	NR	580	310	NR	710	20	NR	840	0	NR	970	0	NR
455	153	NR	585	313	NR	715	17	NR	845	0	NR	975	0	NR
460	98	NR	590	314	NR	720	15	NR	850	0	NR	980	0	NR
465	76	NR	595	310	NR	725	13	NR	855	0	NR	985	0	NR
470	53	NR	600	307	NR	730	11	NR	860	0	NR	990	0	NR
475	39	NR	605	303	NR	735	9	NR	865	0	NR	995	0	NR
480	35	NR	610	331	NR	740	8	NR	870	0	NR	1000	0	NR
485	36	NR	615	353	NR	745	7	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-2

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.27

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	43	NR	620	294	NR	750	6	NR	880	0	NR
365	0	NR	495	59	NR	625	294	NR	755	5	NR	885	0	NR
370	0	NR	500	81	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	109	NR	635	637	NR	765	4	NR	895	0	NR
380	0	NR	510	135	NR	640	175	NR	770	3	NR	900	0	NR
385	0	NR	515	160	NR	645	171	NR	775	3	NR	905	0	NR
390	1	NR	520	180	NR	650	146	NR	780	2	NR	910	0	NR
395	1	NR	525	195	NR	655	119	NR	785	2	NR	915	0	NR
400	2	NR	530	207	NR	660	99	NR	790	2	NR	920	0	NR
405	3	NR	535	218	NR	665	82	NR	795	2	NR	925	0	NR
410	5	NR	540	227	NR	670	76	NR	800	1	NR	930	0	NR
415	10	NR	545	237	NR	675	61	NR	805	1	NR	935	0	NR
420	20	NR	550	247	NR	680	52	NR	810	1	NR	940	0	NR
425	35	NR	555	259	NR	685	44	NR	815	1	NR	945	0	NR
430	58	NR	560	271	NR	690	38	NR	820	1	NR	950	0	NR
435	90	NR	565	283	NR	695	33	NR	825	1	NR	955	0	NR
440	135	NR	570	293	NR	700	27	NR	830	1	NR	960	0	NR
445	204	NR	575	303	NR	705	24	NR	835	1	NR	965	0	NR
450	233	NR	580	310	NR	710	20	NR	840	0	NR	970	0	NR
455	153	NR	585	313	NR	715	17	NR	845	0	NR	975	0	NR
460	98	NR	590	314	NR	720	15	NR	850	0	NR	980	0	NR
465	76	NR	595	310	NR	725	13	NR	855	0	NR	985	0	NR
470	53	NR	600	307	NR	730	11	NR	860	0	NR	990	0	NR
475	39	NR	605	303	NR	735	9	NR	865	0	NR	995	0	NR
480	35	NR	610	331	NR	740	8	NR	870	0	NR	1000	0	NR
485	36	NR	615	353	NR	745	7	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.34

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	43	NR	620	294	NR	750	6	NR	880	0	NR
365	0	NR	495	59	NR	625	294	NR	755	5	NR	885	0	NR
370	0	NR	500	81	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	109	NR	635	637	NR	765	4	NR	895	0	NR
380	0	NR	510	135	NR	640	175	NR	770	3	NR	900	0	NR
385	0	NR	515	160	NR	645	171	NR	775	3	NR	905	0	NR
390	1	NR	520	180	NR	650	146	NR	780	2	NR	910	0	NR
395	1	NR	525	195	NR	655	119	NR	785	2	NR	915	0	NR
400	2	NR	530	207	NR	660	99	NR	790	2	NR	920	0	NR
405	3	NR	535	218	NR	665	82	NR	795	2	NR	925	0	NR
410	5	NR	540	227	NR	670	76	NR	800	1	NR	930	0	NR
415	10	NR	545	237	NR	675	61	NR	805	1	NR	935	0	NR
420	20	NR	550	247	NR	680	52	NR	810	1	NR	940	0	NR
425	35	NR	555	259	NR	685	44	NR	815	1	NR	945	0	NR
430	58	NR	560	271	NR	690	38	NR	820	1	NR	950	0	NR
435	90	NR	565	283	NR	695	33	NR	825	1	NR	955	0	NR
440	135	NR	570	293	NR	700	27	NR	830	1	NR	960	0	NR
445	204	NR	575	303	NR	705	24	NR	835	1	NR	965	0	NR
450	233	NR	580	310	NR	710	20	NR	840	0	NR	970	0	NR
455	153	NR	585	313	NR	715	17	NR	845	0	NR	975	0	NR
460	98	NR	590	314	NR	720	15	NR	850	0	NR	980	0	NR
465	76	NR	595	310	NR	725	13	NR	855	0	NR	985	0	NR
470	53	NR	600	307	NR	730	11	NR	860	0	NR	990	0	NR
475	39	NR	605	303	NR	735	9	NR	865	0	NR	995	0	NR
480	35	NR	610	331	NR	740	8	NR	870	0	NR	1000	0	NR
485	36	NR	615	353	NR	745	7	NR	875	0	NR			

Summary

$R_f = 81.2$
 $R_g = 101.5$
 CIE $R_a = 83.4$
 $R_9 = 29.4$



Color Vector Graphics

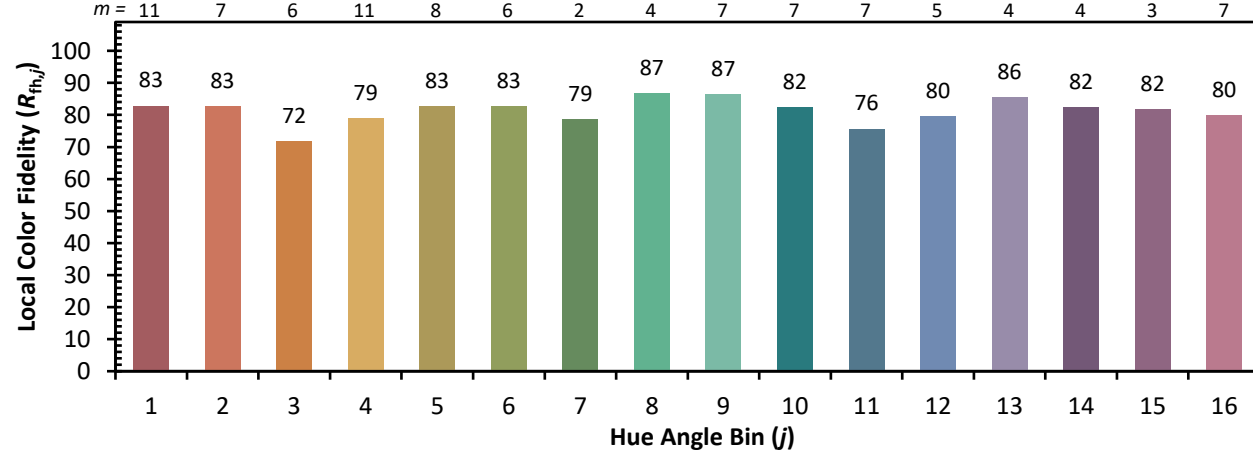


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 71	CES51 = 89	CES76 = 65
CES02 = 63	CES27 = 89	CES52 = 89	CES77 = 82
CES03 = 31	CES28 = 86	CES53 = 80	CES78 = 67
CES04 = 70	CES29 = 68	CES54 = 92	CES79 = 89
CES05 = 50	CES30 = 77	CES55 = 90	CES80 = 85
CES06 = 51	CES31 = 70	CES56 = 81	CES81 = 75
CES07 = 43	CES32 = 64	CES57 = 79	CES82 = 93
CES08 = 41	CES33 = 74	CES58 = 81	CES83 = 89
CES09 = 29	CES34 = 76	CES59 = 92	CES84 = 91
CES10 = 76	CES35 = 87	CES60 = 96	CES85 = 81
CES11 = 59	CES36 = 99	CES61 = 91	CES86 = 74
CES12 = 65	CES37 = 81	CES62 = 93	CES87 = 83
CES13 = 44	CES38 = 83	CES63 = 79	CES88 = 86
CES14 = 74	CES39 = 94	CES64 = 81	CES89 = 74
CES15 = 72	CES40 = 89	CES65 = 78	CES90 = 85
CES16 = 48	CES41 = 88	CES66 = 76	CES91 = 87
CES17 = 50	CES42 = 80	CES67 = 74	CES92 = 73
CES18 = 57	CES43 = 75	CES68 = 79	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 83	CES94 = 64
CES20 = 67	CES45 = 83	CES70 = 72	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 70	CES96 = 86
CES22 = 79	CES47 = 79	CES72 = 90	CES97 = 85
CES23 = 92	CES48 = 78	CES73 = 65	CES98 = 83
CES24 = 91	CES49 = 79	CES74 = 94	CES99 = 82
CES25 = 72	CES50 = 88	CES75 = 70	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)