

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: P1444671

Luminaire Tested: EHBR1-30-UNV-TA-L930-UPL36

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444671
REPORT IS A COMBINATION OF REPORTS P1444348 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-30-UNV-TA-L930-UPL36
Description: Elevate Round Highbay at, 30000 lumens, 3000K 90CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

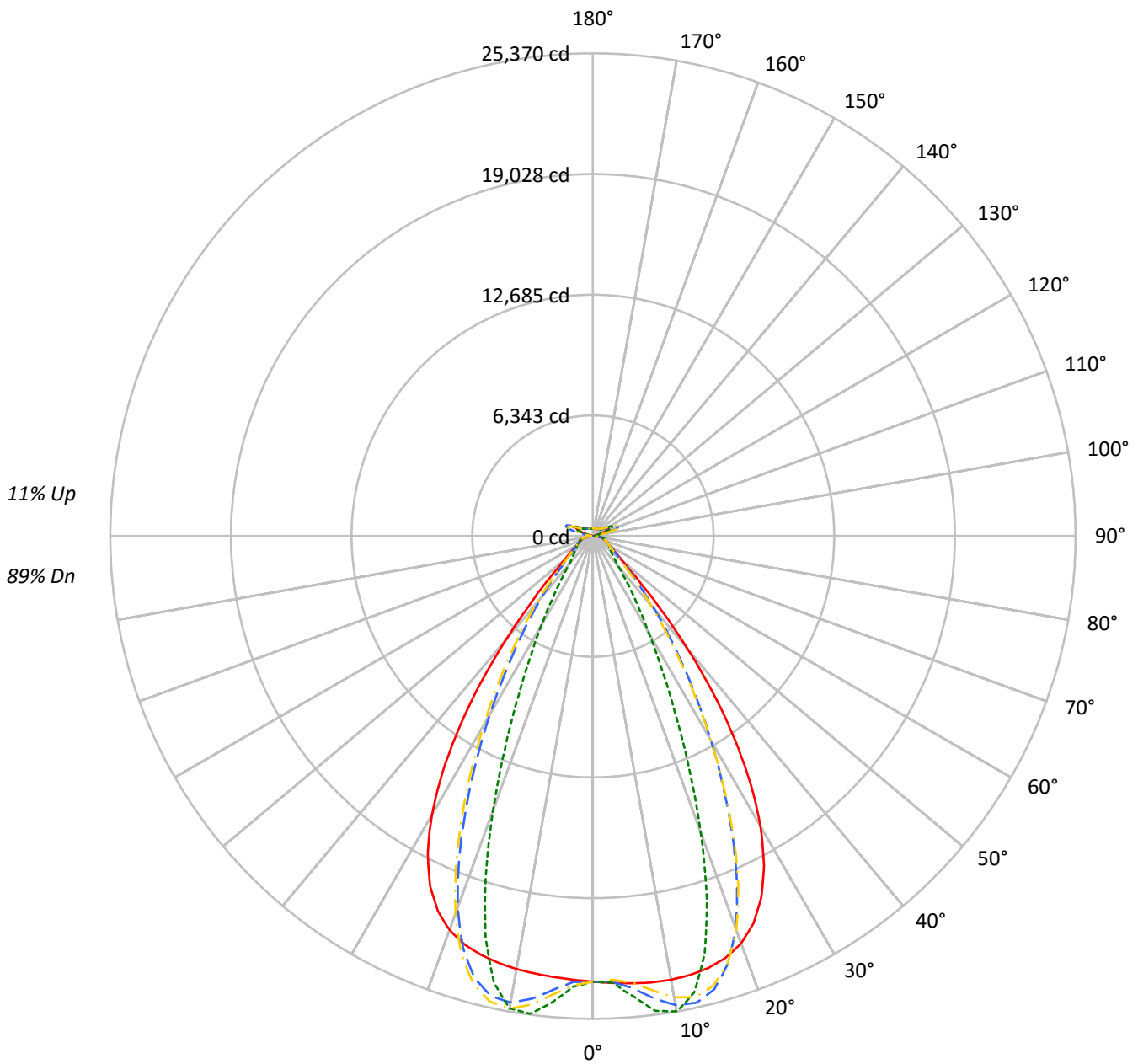
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30394.1 lumens
Efficiency: N/A
Efficacy: 161.5 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 0.77 / 0.88
Luminous Opening: Vertical Cylinder (Dia: 1.71' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 188.2
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: EHBR1-30-UNV-TA-L930-UPL36

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	112	112	112	112	105	105	105	98	98	98	92	92	92	89			89
1	109	106	103	100	105	102	100	97	96	94	92	90	89	87	85	84	83	80			80
2	102	96	91	87	99	94	89	85	88	85	82	84	81	78	79	77	75	73			73
3	96	88	82	78	93	86	81	76	82	77	74	78	74	71	74	71	68	66			66
4	90	81	75	70	87	79	73	69	76	71	67	72	68	65	69	66	63	61			61
5	85	75	68	63	82	73	67	63	70	65	61	67	63	59	65	61	58	56			56
6	80	70	63	58	78	68	62	57	66	60	56	63	58	55	61	57	53	52			52
7	75	65	58	53	73	64	57	53	61	56	52	59	54	51	57	53	50	48			48
8	71	61	54	49	69	60	53	49	57	52	48	56	51	47	54	49	46	45			45
9	68	57	50	46	66	56	50	46	54	49	45	52	47	44	51	46	43	42			42
10	64	53	47	43	62	53	47	42	51	46	42	49	45	41	48	44	41	39			39

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	109975	109975	109975	109975
5°	110508	113731	108961	115220
10°	111431	119408	108758	118618
15°	111977	108242	108569	103884
20°	110819	80637	107193	74608
25°	104895	50998	101428	46272
30°	91634	30646	88084	28008
35°	70522	19230	66466	17035
40°	44611	12063	40816	11335
45°	22993	9398	22613	9243
50°	13481	8359	13067	8229
55°	10328	7908	9945	7837
60°	8739	8079	8367	7974
65°	8208	8437	7893	8149
70°	8019	8834	7619	8502
75°	8574	9369	8110	8955
80°	8873	10373	8045	9468
85°	8356	10012	6753	8572

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 35189 cd/sqm



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 CATALOG NUMBER: EHBR1-30-UNV-TA-L930-UPL36

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2308.0	7.6
10°-20°	6492.5	21.4
20°-30°	7394.4	24.3
30°-40°	5314.8	17.5
40°-50°	2451.2	8.1
50°-60°	1173.0	3.9
60°-70°	855.9	2.8
70°-80°	650.2	2.1
80°-90°	301.6	1.0
90°-100°	96.0	0.3
100°-110°	578.9	1.9
110°-120°	1070.0	3.5
120°-130°	647.5	2.1
130°-140°	406.9	1.3
140°-150°	294.4	1.0
150°-160°	200.4	0.7
160°-170°	118.5	0.4
170°-180°	40.1	0.1
0°-30°	16194.9	53.3
0°-40°	21509.7	70.8
0°-60°	25133.9	82.7
0°-90°	26941.5	88.6
90°-120°	1744.8	5.7
90°-150°	3093.6	10.2
90°-180°	3453.0	11.4
0°-180°	30394.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	23418	23418	23418	23418	23418	
5°	23595	24283	23265	24601	23595	2255
15°	23492	22709	22777	21794	23492	6619
25°	20948	10184	20255	9240	20948	9496
35°	12943	3529	12199	3126	12943	7944
45°	3720	1521	3659	1496	3720	3164
55°	1396	1069	1344	1059	1396	1288
65°	857	881	824	851	857	856
75°	604	660	571	631	604	628
85°	287	344	232	295	287	270
90°	89	109	33	38	89	54
95°	44	49	44	50	44	42
105°	206	268	137	268	206	274
115°	930	1134	975	1134	930	858
125°	690	733	782	734	690	628
135°	529	478	570	480	529	413
145°	458	453	489	456	458	290
155°	420	425	449	428	420	196
165°	411	413	427	415	411	117
175°	416	421	424	422	416	40
180°	422	422	422	422	422	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5
2.5°	23508.0	23506.1	23505.8	23504.1	23503.7	23503.7	23502.9	23500.9	23499.8	23497.1	23494.0
5°	23595.2	23594.2	23594.8	23595.0	23593.4	23589.7	23583.9	23577.0	23568.0	23559.8	23552.3
7.5°	23662.7	23664.3	23666.4	23666.0	23660.8	23652.3	23640.5	23633.9	23637.8	23650.6	23679.8
10°	23675.0	23685.1	23689.0	23687.7	23677.5	23670.2	23673.0	23697.8	23747.2	23813.1	23903.2
12.5°	23627.0	23639.3	23638.9	23634.8	23624.9	23635.0	23670.9	23744.8	23850.6	23980.6	24133.0
15°	23492.2	23508.2	23503.7	23498.4	23491.8	23524.8	23596.7	23724.9	23888.4	24071.6	24259.2
17.5°	23230.6	23249.8	23240.5	23234.4	23228.9	23290.8	23414.1	23602.0	23807.9	24015.2	24193.0
20°	22776.6	22789.5	22767.3	22756.8	22765.6	22887.0	23068.7	23308.5	23525.6	23721.6	23843.1
22.5°	22035.8	22051.9	22010.0	22005.1	22056.9	22243.4	22473.2	22741.3	22945.3	23100.7	23147.5
25°	20947.5	20963.2	20913.4	20943.2	21031.2	21285.3	21559.0	21845.8	22019.9	22134.9	22103.2
27.5°	19478.4	19492.9	19445.6	19506.4	19645.5	19979.3	20301.5	20612.7	20767.7	20848.4	20746.2
30°	17625.7	17655.6	17599.8	17684.7	17897.0	18330.4	18699.5	19048.4	19203.1	19264.4	19105.4
32.5°	15425.2	15467.8	15406.3	15532.5	15828.8	16349.3	16768.7	17158.5	17329.5	17399.6	17220.0
35°	12943.3	13004.4	12933.8	13123.2	13488.6	14068.3	14532.7	14967.9	15170.5	15269.8	15088.9
37.5°	10313.9	10372.1	10333.8	10586.6	10987.8	11588.7	12062.6	12532.2	12761.0	12910.0	12767.4
40°	7732.3	7785.6	7814.5	8103.4	8480.9	9047.2	9502.4	9967.0	10223.0	10410.0	10322.0
42.5°	5457.5	5511.2	5609.5	5888.2	6203.0	6671.8	7061.7	7478.9	7723.3	7922.9	7889.0
45°	3720.2	3782.6	3905.7	4134.0	4361.7	4698.0	4984.3	5308.7	5508.4	5691.2	5693.4
47.5°	2606.9	2650.8	2760.7	2916.6	3065.1	3486.0	3503.3	3662.8	3797.1	3933.7	3951.4
50°	2009.2	2035.5	2093.8	2180.7	2264.8	2374.1	2474.2	2589.7	2672.3	2747.2	2765.1
52.5°	1651.4	1668.1	1697.8	1744.9	1793.7	1853.1	1906.7	1970.1	2015.0	2055.1	2063.5
55°	1395.7	1409.6	1453.8	1462.7	1518.5	1529.3	1553.1	1591.7	1617.8	1641.8	1647.8
57.5°	1202.8	1212.8	1222.2	1242.2	1259.4	1284.4	1304.5	1332.3	1348.7	1366.1	1367.5
60°	1050.6	1057.8	1064.5	1078.4	1090.1	1107.5	1121.3	1140.2	1152.0	1165.0	1166.5
62.5°	937.3	942.5	946.9	956.1	964.4	977.8	988.8	1004.5	1015.5	1025.6	1027.8
65°	856.7	860.6	863.4	870.4	877.7	889.0	899.0	911.8	919.9	927.6	929.3
67.5°	785.4	789.0	792.0	798.3	803.4	811.8	818.5	828.1	834.3	840.4	840.6
70°	703.6	707.0	709.3	715.1	719.2	726.5	731.9	740.6	746.9	753.7	755.4
72.5°	647.1	649.0	652.0	657.5	663.1	670.9	678.1	687.2	694.6	701.8	704.8
75°	604.0	606.3	608.3	612.9	616.8	623.4	628.8	637.1	643.7	651.2	655.0
77.5°	541.8	544.6	546.3	550.9	554.3	560.6	564.5	571.9	577.4	584.3	587.7
80°	466.8	469.3	470.5	474.8	477.6	483.4	487.3	494.4	498.9	505.8	509.9
82.5°	383.5	386.0	386.7	390.8	392.2	397.0	399.9	407.2	412.7	421.7	428.0
85°	287.2	288.1	289.4	288.4	294.3	294.6	301.2	302.4	311.1	313.3	323.2
87.5°	175.6	178.2	179.5	183.5	185.2	189.2	190.4	194.7	197.0	201.8	204.2
90°	88.7	93.7	96.0	101.8	104.0	109.2	111.1	116.8	119.1	125.0	128.8
92.5°	38.6	41.3	43.8	46.7	49.3	52.5	55.3	58.1	60.8	63.9	69.2
95°	44.1	47.1	50.2	53.2	56.2	59.3	62.4	65.4	68.4	71.5	80.3
97.5°	55.6	58.3	60.9	63.5	66.1	68.8	71.4	74.1	76.6	79.2	89.7
100°	72.5	74.8	77.0	79.2	81.5	83.7	85.9	88.1	90.4	92.6	112.1
102.5°	120.9	128.9	136.7	144.6	152.5	160.3	168.2	176.1	183.9	191.9	233.4
105°	205.9	227.2	248.8	270.2	291.7	313.1	334.6	355.9	377.4	398.8	466.4
107.5°	353.1	392.6	432.4	472.0	511.8	551.3	591.1	630.7	670.4	709.9	778.5
110°	653.9	685.7	717.7	749.6	781.5	813.6	845.5	877.2	909.2	941.0	991.2



TEST NUMBER: P1444671
 CATALOG NUMBER: EHBR1-30-UNV-TA-L930-UPL36

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	882.2	896.7	911.1	925.6	940.1	954.4	968.8	983.3	997.7	1012.2	1048.1
115°	930.3	935.4	940.6	945.7	950.8	955.9	961.0	966.0	971.1	976.0	1000.3
117.5°	902.5	901.7	900.9	900.1	899.2	898.3	897.4	896.5	895.5	894.5	908.2
120°	840.3	836.1	831.8	827.3	823.0	818.5	814.1	809.7	805.1	800.6	806.6
122.5°	762.0	756.8	751.8	746.5	741.2	735.9	730.6	725.1	719.9	714.5	716.9
125°	689.6	684.2	679.2	673.8	668.5	663.1	657.7	652.2	646.9	641.3	642.7
127.5°	626.5	622.9	619.3	615.4	611.6	607.8	603.9	600.0	596.2	592.1	592.5
130°	585.2	582.1	578.8	575.4	572.0	568.5	564.9	561.4	557.9	554.2	554.9
132.5°	551.5	549.4	547.1	544.8	542.3	539.6	537.1	534.3	531.8	529.2	530.0
135°	528.7	526.6	524.6	522.3	520.1	517.7	515.3	512.7	510.3	507.8	508.8
137.5°	509.2	507.4	505.5	503.4	501.4	499.0	497.0	494.6	492.4	489.9	491.0
140°	491.5	489.8	488.2	486.2	484.3	482.4	480.2	478.2	476.1	473.9	475.2
142.5°	471.6	470.3	469.0	467.6	466.2	464.4	462.8	461.1	459.5	457.7	459.4
145°	458.5	457.4	456.4	455.2	453.9	452.4	451.1	449.6	448.2	446.7	448.6
147.5°	446.9	446.0	445.3	444.3	443.4	442.1	441.0	439.7	438.7	437.5	439.2
150°	436.8	436.0	435.4	434.4	433.5	432.3	431.2	430.2	429.1	427.8	429.6
152.5°	426.4	425.5	424.9	423.9	423.0	421.8	421.1	419.8	418.8	417.7	419.3
155°	419.9	419.0	418.2	417.3	416.4	415.4	414.5	413.4	412.5	411.3	412.7
157.5°	415.5	414.8	414.3	413.4	413.0	412.2	411.4	410.5	409.8	409.1	410.1
160°	413.3	412.7	412.1	411.3	410.6	409.8	409.2	408.3	407.8	407.0	407.9
162.5°	411.3	410.5	409.8	409.1	408.6	407.7	407.1	406.4	405.7	404.9	405.9
165°	410.8	410.5	410.0	409.6	409.2	408.8	408.3	407.8	407.3	406.8	407.4
167.5°	414.0	413.4	412.9	412.2	411.7	411.1	410.5	409.8	409.3	408.6	409.2
170°	414.7	414.3	414.1	413.8	413.5	413.1	412.9	412.5	412.2	411.8	412.3
172.5°	416.7	416.3	416.2	416.0	415.6	415.4	415.2	414.9	414.7	414.4	415.1
175°	416.3	416.1	416.0	415.8	415.7	415.5	415.4	415.3	415.3	415.0	415.4
177.5°	419.1	419.0	419.0	418.9	418.9	418.8	418.7	418.6	418.5	418.5	418.8
180°	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6



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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°	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5
2.5°	23491.8	23488.9	23485.0	23480.1	23475.8	23470.8	23459.2	23455.7	23459.6	23462.2	23467.5
5°	23547.6	23549.2	23549.9	23560.5	23569.7	23592.7	23772.9	23844.5	23899.9	23935.0	23988.4
7.5°	23715.9	23770.1	23823.6	23895.6	23957.7	24041.7	24356.9	24491.1	24586.4	24655.1	24739.5
10°	24001.1	24119.3	24230.1	24359.9	24471.6	24599.5	24892.8	25023.5	25106.1	25166.1	25222.3
12.5°	24288.4	24452.3	24600.4	24745.0	24865.8	24976.6	25079.8	25125.6	25129.4	25131.4	25101.6
15°	24438.0	24594.7	24725.3	24820.8	24891.8	24923.2	24745.6	24652.4	24534.6	24437.5	24277.9
17.5°	24343.5	24437.5	24493.9	24488.4	24459.1	24360.8	23857.6	23580.8	23306.1	23058.4	22733.8
20°	23923.7	23916.6	23867.5	23728.5	23561.1	23300.7	22438.0	21940.3	21459.0	21036.3	20523.6
22.5°	23142.7	23019.8	22848.5	22548.9	22216.0	21761.2	20524.8	19792.6	19122.7	18530.9	17867.9
25°	22011.1	21758.2	21442.1	20966.5	20449.3	19785.9	18262.0	17351.4	16546.9	15849.4	15084.3
27.5°	20562.8	20181.9	19718.8	19060.5	18359.7	17509.7	15820.3	14815.3	13951.8	13203.8	12389.6
30°	18848.0	18352.7	17754.8	16937.7	16092.5	15128.4	13414.9	12397.0	11523.0	10753.6	9938.7
32.5°	16910.3	16330.2	15629.5	14712.4	13798.3	12807.2	11152.4	10167.1	9332.1	8591.8	7854.4
35°	14773.2	14151.0	13409.7	12474.3	11565.7	10602.1	9083.7	8195.3	7457.9	6803.6	6208.1
37.5°	12480.7	11869.8	11165.2	10283.7	9441.1	8567.9	7257.7	6513.2	5894.4	5351.4	4891.6
40°	10097.1	9562.5	8952.8	8190.7	7471.7	6744.4	5669.0	5078.0	4589.7	4175.5	3831.0
42.5°	7742.7	7328.5	6860.9	6258.6	5708.4	5154.6	4326.9	3889.0	3527.4	3229.2	2985.7
45°	5617.6	5340.5	5026.9	4608.2	4227.5	3841.3	3252.1	2944.4	2708.9	2516.6	2354.0
47.5°	3927.0	3766.2	3756.4	3369.5	3090.3	2854.1	2474.6	2280.2	2136.0	2019.5	1916.6
50°	2757.8	2680.0	2583.4	2445.4	2315.8	2182.3	1951.1	1833.6	1749.0	1678.5	1613.4
52.5°	2061.7	2021.3	1969.9	1896.6	1826.4	1751.3	1604.9	1530.2	1503.6	1437.9	1386.3
55°	1646.7	1623.6	1594.2	1551.2	1508.5	1491.4	1366.0	1310.5	1275.3	1249.4	1221.7
57.5°	1367.8	1350.6	1333.2	1304.0	1279.3	1249.4	1182.8	1154.3	1133.4	1118.1	1099.0
60°	1166.8	1156.4	1146.7	1129.6	1116.2	1100.1	1057.8	1041.7	1030.9	1021.6	1009.4
62.5°	1029.8	1024.5	1019.5	1010.4	1003.6	994.8	965.9	958.2	952.7	948.1	940.7
65°	931.0	927.1	924.3	918.2	914.8	909.8	884.9	879.7	876.3	874.7	870.4
67.5°	841.1	837.1	835.3	831.0	829.6	826.4	806.0	803.2	802.0	802.6	801.0
70°	757.1	755.4	756.3	755.6	757.6	758.1	745.8	745.7	747.0	749.6	749.9
72.5°	706.8	706.8	707.7	708.1	710.0	710.9	700.6	700.1	700.7	702.6	702.7
75°	658.8	659.6	662.2	663.1	665.2	665.7	652.1	650.6	650.7	652.5	651.9
77.5°	592.5	595.4	600.4	602.9	607.1	607.8	592.7	590.9	591.0	592.8	591.2
80°	517.3	522.7	530.7	536.1	542.5	545.1	529.5	525.8	522.3	521.8	518.6
82.5°	437.4	444.1	453.5	458.4	465.3	466.9	440.8	435.8	432.8	433.1	430.2
85°	333.9	338.9	347.5	350.3	354.6	354.2	324.4	311.5	314.9	309.7	313.9
87.5°	209.4	212.4	217.8	218.4	220.5	220.0	190.0	184.1	182.3	182.4	180.3
90°	135.8	139.9	146.8	149.0	154.3	156.0	133.9	133.3	129.2	128.6	123.6
92.5°	74.9	80.1	85.6	91.0	96.5	101.9	104.6	109.2	103.7	97.9	92.6
95°	89.2	98.1	107.0	115.9	124.8	133.8	142.7	151.6	143.3	134.9	126.5
97.5°	100.3	110.8	121.2	131.8	142.3	152.8	163.3	173.9	164.9	155.9	146.9
100°	131.8	151.4	171.1	190.7	210.3	229.9	249.6	269.2	252.0	234.6	217.3
102.5°	275.0	316.8	358.4	400.0	441.6	483.4	525.2	566.9	527.4	487.7	448.1
105°	534.0	601.5	669.1	736.4	804.0	871.5	939.3	1006.9	943.6	880.4	817.1
107.5°	847.0	915.6	984.0	1052.4	1121.1	1189.5	1258.5	1327.0	1265.2	1203.4	1141.7
110°	1041.2	1091.2	1141.3	1191.2	1241.2	1291.3	1341.8	1391.9	1354.9	1317.8	1280.7



TEST NUMBER: P1444671
 CATALOG NUMBER: EHBR1-30-UNV-TA-L930-UPL36

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	1083.7	1119.6	1155.4	1191.1	1226.7	1262.6	1299.1	1335.1	1316.5	1297.9	1279.4
115°	1024.4	1048.7	1072.8	1096.9	1121.1	1145.2	1170.2	1194.7	1188.9	1182.9	1177.1
117.5°	921.8	935.3	949.0	962.5	976.0	989.4	1004.3	1018.0	1019.1	1020.3	1021.5
120°	812.5	818.2	824.0	829.8	835.5	841.2	848.5	854.6	859.8	864.8	870.0
122.5°	719.2	721.5	723.7	726.0	728.2	730.5	734.4	737.1	740.7	744.3	747.9
125°	643.8	645.1	646.3	647.5	648.6	649.8	652.9	654.5	654.9	655.3	655.6
127.5°	593.0	593.3	593.7	594.0	594.3	594.7	597.1	597.8	595.9	594.0	592.0
130°	555.7	556.4	557.1	557.7	558.4	559.2	562.0	563.3	559.7	556.1	552.6
132.5°	530.9	531.8	532.5	533.6	534.4	535.2	538.5	539.9	535.8	531.6	527.5
135°	509.8	510.9	512.0	513.0	514.1	515.3	519.0	520.6	516.8	512.6	508.7
137.5°	492.0	493.1	494.1	495.4	496.5	497.5	501.5	503.2	500.3	496.9	493.9
140°	476.5	477.7	479.1	480.4	481.7	483.3	487.5	489.5	487.2	484.6	482.2
142.5°	461.0	462.9	464.6	466.4	468.1	470.1	475.2	477.7	475.9	474.0	472.2
145°	450.4	452.6	454.5	456.6	458.6	460.8	466.3	469.3	468.2	467.0	466.0
147.5°	440.8	442.8	444.6	446.5	448.3	450.6	456.3	459.0	458.5	457.8	457.1
150°	431.3	433.4	435.1	437.1	439.2	441.3	447.6	450.6	450.1	449.6	448.9
152.5°	421.0	422.7	424.4	426.1	427.9	429.9	437.2	440.2	439.9	439.2	438.7
155°	414.0	415.3	416.6	418.0	419.5	421.1	428.7	431.5	431.2	431.0	430.7
157.5°	411.0	411.9	412.8	413.8	414.8	415.9	423.6	426.4	426.1	425.8	425.5
160°	408.5	409.3	409.9	410.8	411.5	412.4	420.2	422.8	422.6	422.2	422.0
162.5°	406.9	408.1	408.9	409.8	410.8	412.0	419.9	422.8	422.3	421.9	421.3
165°	408.1	408.7	409.2	410.0	410.5	411.3	418.6	420.9	420.7	420.4	420.1
167.5°	409.8	410.5	411.3	412.0	412.7	413.5	420.4	422.6	422.4	422.0	421.9
170°	412.8	413.4	413.9	414.6	415.3	416.0	421.6	423.5	423.2	422.7	422.2
172.5°	415.7	416.4	417.1	417.8	418.4	419.1	424.0	425.7	425.4	425.1	424.5
175°	416.0	416.3	416.9	417.5	418.0	418.5	422.3	423.6	423.6	423.4	423.2
177.5°	419.2	419.5	419.9	420.4	420.7	421.2	423.5	424.4	424.3	424.3	424.2
180°	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6



TEST NUMBER: P1444671
 CATALOG NUMBER: EHBR1-30-UNV-TA-L930-UPL36

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5
2.5°	23468.8	23477.1	23478.2	23487.8	23487.1	23498.5	23496.8	23506.1	23500.6	23508.3	23501.8
5°	24020.0	24070.0	24096.1	24144.9	24160.3	24204.0	24216.4	24256.2	24257.8	24289.4	24282.2
7.5°	24799.3	24872.9	24916.7	24977.0	25007.6	25057.9	25080.0	25117.1	25129.1	25158.6	25160.9
10°	25264.7	25300.4	25325.5	25342.3	25357.6	25364.9	25373.2	25371.0	25373.2	25369.9	25377.2
12.5°	25081.6	25029.4	24994.9	24929.4	24891.5	24819.2	24783.7	24714.1	24688.9	24629.2	24620.6
15°	24154.6	23972.5	23843.9	23656.8	23539.2	23355.1	23247.4	23081.3	23005.5	22873.5	22838.8
17.5°	22464.9	22127.0	21865.3	21529.8	21297.0	20983.4	20786.2	20526.6	20384.5	20175.1	20102.7
20°	20096.2	19596.1	19203.7	18736.3	18401.8	17985.0	17718.3	17381.8	17186.3	16929.2	16825.1
22.5°	17315.1	16692.4	16202.4	15650.2	15246.7	14782.2	14462.6	14098.4	13885.9	13606.6	13482.9
25°	14448.6	13762.0	13217.2	12635.5	12209.1	11743.4	11423.7	11066.1	10846.1	10580.9	10458.1
27.5°	11707.1	11012.1	10485.6	9944.7	9553.5	9133.5	8845.0	8532.7	8337.5	8111.1	7995.6
30°	9287.8	8674.8	8226.7	7777.9	7452.5	7111.3	6871.6	6612.8	6441.5	6247.7	6137.5
32.5°	7316.7	6843.4	6492.7	6136.5	5870.2	5585.0	5377.8	5149.5	4994.9	4821.9	4722.1
35°	5794.7	5427.0	5147.2	4854.0	4625.2	4382.4	4199.9	4002.7	3864.1	3715.1	3628.9
37.5°	4578.4	4286.0	4055.8	3812.2	3624.4	3423.1	3355.4	3129.2	2985.5	2866.5	2784.2
40°	3593.2	3360.7	3170.1	2983.9	2830.6	2678.1	2555.6	2434.8	2342.0	2256.9	2198.1
42.5°	2806.0	2637.5	2498.4	2362.0	2250.1	2139.0	2050.2	1967.0	1904.5	1848.9	1811.0
45°	2230.6	2114.8	2018.1	1922.0	1843.1	1768.9	1709.2	1656.1	1615.7	1582.3	1558.6
47.5°	1832.5	1753.2	1685.0	1620.2	1566.6	1518.0	1478.0	1464.9	1421.5	1392.3	1381.2
50°	1557.4	1509.5	1457.6	1409.9	1374.0	1338.5	1312.6	1287.2	1270.9	1257.4	1253.4
52.5°	1352.0	1315.4	1286.6	1256.3	1232.7	1207.4	1189.5	1172.6	1163.6	1156.6	1155.7
55°	1199.4	1173.8	1154.6	1134.3	1120.3	1105.4	1096.1	1087.2	1083.3	1079.7	1080.0
57.5°	1083.9	1066.8	1054.3	1041.1	1033.5	1026.4	1024.1	1021.8	1023.0	1023.6	1025.5
60°	999.7	988.5	980.8	973.2	970.0	967.7	969.5	971.4	975.5	978.8	981.8
62.5°	935.2	928.8	925.0	921.0	920.6	920.8	924.3	927.6	932.8	936.6	939.4
65°	868.8	865.1	864.0	861.3	862.6	863.4	867.6	870.2	875.3	878.3	882.0
67.5°	801.7	800.9	801.6	801.6	804.0	805.9	810.0	812.9	817.3	820.0	823.0
70°	752.1	752.5	754.3	754.6	757.2	758.5	762.0	764.0	767.8	770.2	773.8
72.5°	704.0	703.2	703.6	702.5	703.4	703.0	704.9	705.9	709.2	711.0	715.3
75°	652.7	650.5	650.0	647.7	647.8	646.1	646.9	646.8	648.9	649.8	652.9
77.5°	590.7	587.1	585.3	581.4	581.3	579.9	581.4	582.4	586.2	588.0	591.5
80°	516.6	510.9	508.2	503.8	504.6	504.3	508.0	511.0	515.6	516.5	521.0
82.5°	429.4	423.6	420.8	416.3	417.4	417.5	421.0	421.5	425.6	427.4	432.6
85°	307.4	309.7	303.5	304.0	302.6	305.0	307.4	310.4	313.8	319.4	323.8
87.5°	181.1	180.3	182.4	182.7	185.8	187.5	192.5	195.3	201.0	205.4	213.4
90°	121.9	117.1	116.9	114.0	115.1	112.3	113.5	110.7	112.6	111.4	114.2
92.5°	86.6	81.2	75.3	69.8	64.0	58.6	55.6	53.3	50.3	48.1	45.1
95°	118.3	110.0	101.7	93.3	85.0	76.7	73.7	70.7	67.6	64.6	61.5
97.5°	138.0	129.1	120.2	111.2	102.3	93.4	91.3	89.4	87.3	85.3	83.3
100°	200.1	182.9	165.7	148.3	131.1	113.9	112.3	110.7	109.1	107.5	105.8
102.5°	408.6	369.0	329.5	289.9	250.4	210.9	204.1	197.2	190.3	183.4	176.5
105°	753.7	690.5	627.2	563.9	500.7	437.5	418.7	399.6	380.8	361.9	343.1
107.5°	1080.0	1018.3	956.6	895.0	833.3	771.6	741.8	712.0	682.1	652.3	622.5
110°	1243.5	1206.5	1169.5	1132.4	1095.5	1058.5	1030.0	1001.6	973.0	944.6	916.3



TEST NUMBER: P1444671
 CATALOG NUMBER: EHBR1-30-UNV-TA-L930-UPL36

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	1260.9	1242.3	1223.9	1205.4	1187.1	1168.6	1154.6	1140.8	1126.9	1113.1	1099.1
115°	1171.1	1165.3	1159.5	1153.8	1148.0	1142.2	1141.2	1140.4	1139.3	1138.4	1137.5
117.5°	1022.6	1023.8	1024.9	1026.2	1027.5	1028.7	1036.1	1043.5	1051.0	1058.6	1066.2
120°	875.1	880.2	885.3	890.5	895.6	900.9	910.8	920.9	930.9	941.1	951.2
122.5°	751.5	755.1	758.6	762.5	766.0	769.8	779.6	789.5	799.4	809.5	819.8
125°	655.7	656.1	656.4	656.6	656.9	657.4	665.5	673.7	682.0	690.5	698.7
127.5°	589.9	588.0	585.9	584.0	581.9	580.0	584.9	589.8	594.7	599.6	604.7
130°	548.9	545.2	541.5	538.0	534.1	530.6	532.6	534.6	536.6	538.7	540.8
132.5°	523.1	518.9	514.5	510.3	506.0	501.7	501.7	501.9	501.9	502.2	502.5
135°	504.7	500.6	496.5	492.4	488.3	484.3	483.4	482.4	481.5	480.7	479.9
137.5°	490.7	487.4	484.2	481.1	477.7	474.5	473.0	471.8	470.3	469.3	467.9
140°	479.5	477.1	474.4	471.9	469.3	466.9	465.5	464.6	463.4	462.5	461.4
142.5°	470.3	468.5	466.6	464.7	462.9	461.0	459.8	458.8	457.7	456.8	455.7
145°	464.7	463.6	462.3	461.2	460.0	458.8	457.9	457.1	456.3	455.6	454.9
147.5°	456.4	455.7	455.0	454.2	453.4	452.7	452.2	451.8	451.1	450.7	450.2
150°	448.2	447.5	446.8	446.3	445.5	444.9	444.5	444.2	444.0	443.9	443.6
152.5°	438.0	437.4	436.7	436.2	435.4	434.9	434.6	434.5	434.3	434.1	433.8
155°	430.2	429.9	429.4	429.1	428.5	428.3	427.8	427.4	427.1	426.8	426.3
157.5°	425.2	424.9	424.4	424.2	423.6	423.3	422.9	422.6	422.1	421.9	421.5
160°	421.6	421.3	420.9	420.6	420.3	419.9	419.3	418.8	418.1	417.7	417.1
162.5°	420.8	420.3	419.8	419.2	418.7	418.2	417.8	417.4	417.1	416.7	416.3
165°	419.7	419.4	419.0	418.7	418.5	418.1	417.5	417.1	416.3	415.9	415.3
167.5°	421.5	421.2	420.9	420.6	420.2	419.9	419.5	418.8	418.3	417.8	417.1
170°	421.9	421.3	421.0	420.4	419.9	419.5	419.0	418.4	417.9	417.5	416.8
172.5°	424.2	423.9	423.6	423.1	422.6	422.2	421.9	421.3	420.9	420.4	420.0
175°	423.1	423.0	422.9	422.7	422.6	422.4	422.2	422.1	422.0	421.9	421.6
177.5°	424.2	424.1	424.1	423.9	423.8	423.8	423.6	423.4	423.0	422.8	422.6
180°	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6



TEST NUMBER: P1444671
 CATALOG NUMBER: EHBR1-30-UNV-TA-L930-UPL36

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5
2.5°	23508.6	23502.6	23505.5	23494.4	23497.1	23483.8	23482.6	23467.5	23466.1	23451.9	23446.7
5°	24304.6	24291.5	24306.3	24283.3	24287.7	24257.8	24255.3	24216.6	24203.3	24154.8	24133.8
7.5°	25179.3	25174.4	25183.4	25164.2	25163.5	25136.8	25125.8	25091.1	25069.5	25018.7	24986.2
10°	25371.0	25375.5	25368.1	25369.9	25359.5	25356.7	25346.0	25339.2	25321.8	25308.6	25289.2
12.5°	24575.2	24579.9	24549.6	24568.9	24553.6	24589.2	24586.4	24628.1	24634.6	24687.5	24707.5
15°	22736.0	22730.3	22672.0	22708.7	22689.0	22767.0	22784.4	22889.3	22945.3	23080.0	23162.7
17.5°	19957.6	19942.6	19860.6	19905.3	19882.6	19997.4	20036.0	20203.6	20308.3	20525.2	20679.7
20°	16645.7	16616.9	16520.9	16573.2	16549.8	16680.3	16735.4	16938.1	17072.9	17360.2	17564.6
22.5°	13292.5	13247.1	13153.1	13202.0	13179.9	13315.0	13386.7	13590.1	13744.6	14039.5	14278.0
25°	10281.4	10241.0	10150.2	10184.3	10176.1	10290.5	10354.1	10546.5	10698.3	10979.3	11207.0
27.5°	7841.9	7799.8	7717.7	7742.0	7733.6	7831.1	7891.1	8051.8	8182.4	8418.9	8618.8
30°	6001.8	5951.0	5881.4	5894.8	5889.1	5968.0	6024.1	6159.5	6271.4	6471.3	6643.5
32.5°	4600.4	4549.4	4485.4	4491.6	4483.2	4545.2	4591.4	4709.0	4806.6	4976.6	5126.5
35°	3519.9	3579.5	3442.9	3529.4	3439.4	3571.7	3524.1	3597.6	3681.6	3824.8	3949.8
37.5°	2706.0	2664.4	2629.3	2625.6	2625.4	2656.0	2692.2	2763.0	2836.9	2943.6	3053.8
40°	2144.3	2115.2	2092.5	2090.8	2092.5	2114.2	2141.0	2190.0	2244.1	2320.7	2401.7
42.5°	1778.5	1759.2	1745.5	1744.5	1748.9	1764.3	1782.9	1812.0	1847.2	1896.9	1952.4
45°	1539.4	1528.6	1520.9	1520.6	1522.5	1530.5	1541.2	1559.4	1581.7	1612.7	1647.8
47.5°	1371.5	1368.9	1364.1	1364.2	1362.1	1365.4	1366.7	1376.8	1388.7	1412.0	1457.9
50°	1249.3	1249.3	1246.0	1245.8	1242.7	1242.5	1239.9	1243.9	1249.5	1264.0	1278.6
52.5°	1152.7	1152.3	1148.8	1148.1	1144.8	1144.6	1142.4	1144.0	1144.7	1152.0	1160.8
55°	1077.2	1074.9	1070.3	1068.7	1067.5	1069.4	1068.5	1068.6	1067.6	1070.7	1073.3
57.5°	1023.0	1020.1	1015.6	1014.3	1014.0	1016.3	1016.3	1015.5	1011.4	1008.7	1004.8
60°	980.2	977.2	972.4	971.2	971.9	975.0	974.8	972.2	966.2	960.9	954.7
62.5°	938.0	936.9	934.4	934.1	933.5	934.0	931.8	929.0	923.0	917.4	910.7
65°	881.5	882.1	880.4	880.6	878.4	878.0	874.7	872.1	866.0	860.9	854.1
67.5°	822.9	823.3	821.8	821.8	820.7	820.9	818.9	816.4	811.2	807.1	801.8
70°	774.5	775.7	774.8	775.1	773.8	773.2	770.1	767.7	762.4	758.9	754.2
72.5°	716.7	719.2	719.1	719.8	717.7	716.7	712.9	709.9	705.1	702.3	698.5
75°	654.2	657.6	658.5	660.0	657.0	655.4	651.3	648.9	645.0	643.4	640.9
77.5°	593.1	596.9	600.4	603.7	598.9	594.7	589.6	585.7	580.1	577.9	574.1
80°	524.6	531.3	539.1	545.7	537.2	528.4	520.1	513.8	506.4	503.4	498.5
82.5°	435.2	442.0	446.5	450.8	444.8	438.4	430.3	424.8	416.9	413.9	408.2
85°	330.7	339.1	341.8	344.1	340.2	336.9	329.2	318.8	313.9	305.9	301.8
87.5°	217.5	222.5	223.5	224.3	221.9	220.3	215.3	210.5	201.8	195.6	188.0
90°	112.2	113.7	110.1	109.4	108.1	110.1	106.8	106.9	101.5	100.6	96.0
92.5°	42.7	39.7	37.2	34.5	37.6	39.8	42.9	45.1	48.0	50.3	53.3
95°	58.5	55.4	52.4	49.4	51.8	54.3	56.7	59.1	61.6	64.0	66.4
97.5°	81.3	79.2	77.3	75.2	76.6	78.1	79.5	80.9	82.3	83.7	85.2
100°	104.2	102.6	101.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
102.5°	169.7	162.7	155.9	149.0	153.6	158.3	163.0	167.6	172.3	176.9	181.6
105°	324.2	305.4	286.5	267.7	286.0	304.1	322.4	340.6	358.9	377.2	395.5
107.5°	592.6	562.8	533.1	503.3	536.6	569.8	603.0	636.3	669.4	702.7	736.1
110°	887.9	859.5	831.2	802.8	838.0	873.3	908.5	943.8	979.1	1014.4	1049.8



TEST NUMBER: P1444671
 CATALOG NUMBER: EHBR1-30-UNV-TA-L930-UPL36

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	1085.4	1071.6	1057.9	1044.1	1066.8	1089.4	1112.1	1135.0	1157.7	1180.4	1203.1
115°	1136.6	1135.8	1135.0	1134.2	1144.9	1155.7	1166.4	1177.3	1188.1	1198.8	1209.7
117.5°	1073.7	1081.3	1089.1	1096.7	1100.2	1103.6	1107.2	1110.6	1114.2	1117.8	1121.4
120°	961.5	971.5	981.9	992.2	990.8	989.3	988.0	986.6	985.5	984.2	983.1
122.5°	829.9	840.1	850.4	860.7	857.6	854.6	851.7	848.7	845.9	842.9	840.2
125°	707.3	715.8	724.3	733.0	729.9	726.9	724.0	721.2	718.3	715.5	712.9
127.5°	610.0	615.2	620.5	625.8	624.4	623.0	621.8	620.5	619.4	618.4	617.4
130°	543.1	545.5	548.0	550.5	550.8	551.3	551.8	552.4	553.1	553.8	554.7
132.5°	503.0	503.4	504.0	504.7	506.3	507.9	509.7	511.5	513.6	515.4	517.8
135°	479.3	478.7	478.3	477.9	480.3	482.6	485.3	487.9	490.8	493.6	496.6
137.5°	467.0	466.1	465.3	464.3	466.7	469.1	471.8	474.4	477.1	480.0	483.0
140°	460.6	459.7	459.2	458.4	460.8	463.2	465.8	468.4	471.2	474.1	477.0
142.5°	455.0	454.1	453.6	453.0	455.0	457.2	459.7	462.1	464.6	467.0	469.8
145°	454.3	453.7	453.2	452.8	454.3	455.9	457.7	459.5	461.3	463.1	465.4
147.5°	449.8	449.5	449.3	449.0	450.3	451.4	452.7	453.9	455.4	456.8	458.4
150°	443.6	443.4	443.3	443.3	444.1	444.8	445.7	446.4	447.4	448.3	449.5
152.5°	433.8	433.5	433.7	433.6	434.3	435.1	435.9	436.6	437.5	438.3	439.2
155°	426.1	425.9	425.6	425.3	425.6	425.8	426.2	426.4	426.9	427.2	427.7
157.5°	421.3	421.0	420.8	420.4	420.4	420.4	420.5	420.5	420.8	420.7	420.9
160°	416.7	416.1	415.6	415.2	415.4	415.4	415.8	415.8	416.2	416.3	416.7
162.5°	416.0	415.6	415.4	415.1	414.9	414.6	414.4	414.0	413.8	413.7	413.6
165°	414.7	414.1	413.7	413.1	413.1	413.0	413.0	413.0	413.0	412.9	413.0
167.5°	416.7	416.1	415.5	415.0	414.6	414.2	413.8	413.4	413.0	412.7	412.4
170°	416.4	415.9	415.4	415.0	414.8	414.6	414.5	414.3	414.2	414.1	414.1
172.5°	419.6	419.2	418.7	418.4	418.2	418.0	417.9	417.9	417.8	417.8	417.7
175°	421.5	421.3	421.2	421.2	420.9	420.7	420.4	420.2	420.0	419.7	419.5
177.5°	422.2	421.9	421.7	421.5	421.4	421.4	421.4	421.4	421.4	421.3	421.2
180°	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6



TEST NUMBER: P1444671
 CATALOG NUMBER: EHBR1-30-UNV-TA-L930-UPL36

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5
2.5°	23431.4	23425.3	23409.1	23401.0	23386.1	23378.5	23366.8	23359.3	23349.8	23342.8	23339.1
5°	24080.6	24050.7	23990.6	23953.6	23888.9	23846.2	23781.7	23734.5	23668.0	23619.0	23556.2
7.5°	24925.3	24879.4	24802.5	24744.1	24653.4	24584.0	24482.3	24400.8	24288.4	24195.0	24080.1
10°	25269.2	25242.4	25207.8	25170.3	25120.1	25070.8	25001.3	24930.4	24836.1	24742.1	24619.4
12.5°	24760.9	24786.2	24836.1	24859.3	24897.4	24910.3	24927.7	24919.6	24904.1	24865.8	24810.1
15°	23321.5	23427.0	23593.6	23708.8	23870.3	23983.8	24133.8	24230.4	24341.7	24408.2	24471.4
17.5°	20953.6	21157.6	21451.7	21686.2	22001.2	22257.3	22571.0	22817.5	23102.1	23320.5	23552.9
20°	17920.8	18206.4	18612.3	18957.1	19413.5	19800.4	20296.2	20711.5	21195.9	21599.8	22035.6
22.5°	14656.7	14992.6	15457.7	15873.5	16418.5	16905.3	17526.4	18075.5	18730.5	19317.1	19966.2
25°	11577.2	11906.5	12380.3	12810.9	13399.2	13935.4	14614.0	15243.9	16004.0	16712.7	17526.4
27.5°	8936.5	9229.0	9645.5	10033.1	10571.9	11098.2	11786.9	12458.8	13269.7	14031.3	14908.2
30°	6901.5	7138.8	7472.6	7784.3	8216.8	8647.3	9260.8	9882.0	10689.0	11478.3	12377.3
32.5°	5348.4	5550.8	5829.4	6082.5	6415.8	6740.3	7192.1	7688.6	8396.4	9152.4	10021.7
35°	4140.3	4313.4	4550.5	4768.5	5042.6	5300.3	5637.4	5991.8	6532.0	7167.9	7945.8
37.5°	3300.9	3371.4	3540.7	3719.3	3946.9	4158.7	4422.4	4684.5	5070.9	5572.7	6208.1
40°	2510.3	2622.4	2760.0	2900.7	3073.1	3242.9	3532.3	3671.6	3926.0	4286.2	4779.4
42.5°	2025.5	2104.2	2201.2	2299.1	2419.2	2537.4	2683.8	2832.8	3023.0	3267.0	3617.8
45°	1694.9	1746.4	1808.8	1874.0	1952.9	2033.6	2131.6	2233.9	2362.9	2512.8	2725.9
47.5°	1474.1	1502.5	1543.4	1587.8	1641.9	1697.8	1761.5	1826.7	1906.9	1995.8	2117.1
50°	1301.8	1325.5	1357.2	1387.0	1424.2	1481.5	1506.8	1542.8	1591.0	1643.3	1711.2
52.5°	1177.1	1192.9	1212.8	1229.9	1253.5	1274.9	1303.0	1327.8	1361.1	1392.6	1436.4
55°	1080.0	1085.7	1097.0	1108.0	1124.3	1139.0	1158.2	1174.4	1195.7	1214.5	1242.2
57.5°	1004.9	1005.5	1010.7	1016.4	1026.9	1036.1	1049.4	1060.1	1074.8	1086.8	1103.4
60°	951.0	948.2	949.2	951.2	957.2	963.1	971.6	978.6	987.8	994.6	1004.0
62.5°	906.2	901.7	900.7	900.1	903.1	905.2	909.9	913.2	918.5	921.4	926.4
65°	849.5	844.3	842.1	839.7	840.6	839.9	841.6	841.7	844.4	845.0	847.8
67.5°	798.1	793.7	791.1	787.8	786.3	783.9	782.9	780.6	780.3	778.3	777.9
70°	751.2	747.0	744.6	741.6	740.1	737.0	735.0	731.2	729.0	725.4	723.4
72.5°	697.0	694.6	693.9	691.8	691.3	689.6	688.8	686.1	684.5	681.5	679.8
75°	640.4	638.3	638.1	636.1	635.9	633.9	633.3	630.5	629.0	625.9	624.6
77.5°	572.8	569.9	569.0	566.6	567.2	566.1	567.0	564.8	563.9	560.9	559.9
80°	496.8	493.0	491.4	488.2	489.1	487.6	489.1	488.9	490.0	487.6	487.2
82.5°	406.7	402.5	401.7	399.5	401.0	401.2	404.4	402.6	403.3	401.1	402.0
85°	295.9	292.8	288.5	287.9	285.1	288.0	284.3	286.8	282.7	285.5	281.7
87.5°	183.5	177.1	173.7	169.0	167.4	162.9	161.1	157.9	158.8	157.4	158.2
90°	96.3	92.3	93.8	92.1	94.4	93.1	96.3	96.2	99.8	99.7	103.6
92.5°	55.6	58.3	63.1	68.2	72.9	77.7	82.5	87.6	92.3	97.3	102.0
95°	68.9	71.3	77.8	84.2	90.7	97.2	103.7	110.2	116.7	123.2	129.7
97.5°	86.6	88.0	94.5	101.0	107.5	114.0	120.4	127.1	133.6	140.0	146.5
100°	99.4	99.5	117.9	136.3	154.7	173.2	191.7	210.1	228.7	247.1	265.6
102.5°	186.2	190.9	237.5	284.2	330.7	377.3	424.0	470.7	517.2	564.0	610.7
105°	413.7	432.0	503.1	574.3	645.4	716.6	787.8	859.1	930.2	1001.4	1072.6
107.5°	769.2	802.6	866.8	931.2	995.3	1059.7	1124.1	1188.4	1252.7	1317.1	1381.5
110°	1085.1	1120.3	1163.4	1206.5	1249.6	1292.7	1335.7	1378.9	1422.1	1465.2	1508.4



TEST NUMBER: P1444671
 CATALOG NUMBER: EHBR1-30-UNV-TA-L930-UPL36

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	1225.9	1248.8	1273.8	1298.9	1324.1	1349.2	1374.2	1399.4	1424.7	1449.9	1475.1
115°	1220.7	1231.5	1241.1	1251.0	1260.6	1270.5	1280.3	1290.3	1300.2	1310.1	1320.0
117.5°	1124.9	1128.7	1130.1	1131.7	1133.2	1134.9	1136.5	1138.1	1139.9	1141.5	1143.2
120°	981.9	980.7	979.0	977.3	975.7	974.2	972.7	971.2	969.8	968.4	966.8
122.5°	837.4	834.8	833.1	831.6	830.2	828.8	827.2	826.0	824.7	823.3	821.9
125°	710.2	707.7	709.0	710.4	711.8	713.4	714.8	716.4	717.9	719.5	721.1
127.5°	616.3	615.5	619.2	622.8	626.6	630.4	634.3	638.1	641.9	645.9	649.6
130°	555.7	556.7	561.4	566.2	571.0	575.9	580.9	585.8	590.6	595.5	600.4
132.5°	519.9	522.3	526.7	531.4	536.1	540.8	545.5	550.2	555.0	559.8	564.3
135°	499.7	502.7	506.9	511.2	515.4	519.8	524.0	528.4	532.6	536.9	541.1
137.5°	485.9	489.1	492.5	495.8	499.2	502.8	506.3	509.7	513.0	516.5	519.9
140°	480.1	483.1	485.0	487.0	489.0	490.9	492.7	494.8	496.6	498.7	500.6
142.5°	472.5	475.4	476.5	477.8	478.9	480.4	481.7	483.0	484.1	485.2	486.4
145°	467.3	469.5	469.5	469.7	469.8	470.1	470.1	470.3	470.2	470.3	470.3
147.5°	459.9	461.6	461.3	461.2	461.0	460.7	460.5	460.4	460.0	459.8	459.6
150°	450.5	451.6	451.0	450.6	449.9	449.5	448.8	448.3	447.7	447.3	446.6
152.5°	440.1	441.1	440.3	439.9	439.2	438.5	437.8	437.3	436.6	435.9	435.4
155°	428.0	428.5	428.1	427.8	427.4	427.1	426.7	426.6	426.2	426.0	425.7
157.5°	421.1	421.2	421.0	420.7	420.4	420.4	420.1	420.0	419.9	419.9	419.9
160°	416.8	417.1	416.9	416.6	416.4	416.3	416.0	416.0	415.9	416.0	416.0
162.5°	413.3	413.2	413.0	412.8	412.5	412.4	412.3	412.4	412.2	412.3	412.4
165°	413.1	413.3	412.7	412.5	412.1	411.8	411.4	411.3	411.1	411.0	410.8
167.5°	412.2	412.0	412.0	412.1	412.1	412.2	412.2	412.6	412.7	413.0	413.0
170°	414.0	414.1	413.8	413.8	413.5	413.4	413.3	413.2	413.0	413.0	413.0
172.5°	417.7	417.7	417.2	416.9	416.4	416.2	415.7	415.4	415.0	414.7	414.3
175°	419.2	419.0	418.8	418.6	418.4	418.1	417.9	417.5	417.3	417.1	416.9
177.5°	421.2	421.0	420.9	420.9	420.8	420.7	420.7	420.6	420.6	420.6	420.4
180°	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6



TEST NUMBER: P1444671
 CATALOG NUMBER: EHBR1-30-UNV-TA-L930-UPL36

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5
2.5°	23334.4	23334.1	23331.9	23333.0	23333.4	23335.0	23337.1	23339.1	23339.6	23341.2	23341.5
5°	23509.1	23451.3	23408.6	23361.7	23326.4	23294.6	23273.4	23256.6	23250.1	23251.7	23255.6
7.5°	23982.6	23863.5	23765.1	23653.3	23560.1	23461.4	23379.6	23301.8	23245.1	23202.9	23179.2
10°	24502.2	24357.1	24218.2	24056.5	23903.0	23739.2	23590.9	23441.5	23317.0	23208.8	23129.4
12.5°	24732.9	24630.2	24510.2	24357.5	24193.4	24004.4	23813.6	23609.0	23418.7	23242.1	23099.7
15°	24488.7	24488.9	24445.1	24371.9	24257.8	24106.7	23924.9	23711.7	23487.2	23258.2	23049.0
17.5°	23713.7	23859.9	23941.2	23992.7	23976.8	23921.2	23805.5	23641.7	23432.5	23188.5	22933.2
20°	22382.7	22727.6	22973.5	23194.6	23318.5	23400.9	23392.7	23326.0	23177.0	22969.6	22703.6
22.5°	20518.2	21097.1	21553.9	21979.9	22278.6	22521.6	22637.2	22686.2	22618.6	22474.2	22224.5
25°	18253.7	19040.7	19712.4	20364.3	20853.3	21273.5	21526.1	21704.1	21718.2	21642.7	21419.9
27.5°	15737.3	16666.4	17516.5	18382.9	19070.6	19674.7	20071.0	20361.2	20453.3	20441.2	20238.9
30°	13224.1	14199.5	15136.6	16146.8	16997.8	17769.6	18293.2	18685.6	18836.8	18865.8	18671.1
32.5°	10850.7	11812.6	12747.0	13803.2	14739.6	15624.2	16242.8	16708.9	16884.8	16926.1	16712.7
35°	8696.7	9584.1	10472.1	11495.8	12426.8	13342.8	13994.6	14482.6	14646.9	14674.5	14427.5
37.5°	6828.8	7584.8	8358.7	9277.1	10132.1	10992.4	11611.7	12070.3	12189.9	12182.5	11902.9
40°	5256.0	5843.8	6465.6	7221.7	7932.5	8659.7	9182.7	9561.8	9624.7	9578.1	9284.4
42.5°	3952.2	4376.7	4827.6	5391.9	5919.4	6463.6	6844.1	7125.6	7134.5	7060.9	6797.3
45°	2944.4	3358.6	3547.6	3888.8	4228.5	4590.5	4822.8	4996.7	4969.8	4905.0	4704.7
47.5°	2244.6	2403.8	2572.6	2784.2	2982.1	3392.7	3362.4	3641.6	3440.4	3577.6	3275.7
50°	1782.5	1871.4	1962.4	2074.7	2178.0	2285.4	2352.5	2402.6	2396.1	2374.5	2316.7
52.5°	1516.5	1543.9	1588.7	1652.6	1710.4	1768.4	1806.6	1837.6	1838.2	1829.6	1800.3
55°	1267.4	1302.3	1334.5	1376.3	1447.3	1458.3	1513.1	1501.9	1506.3	1491.1	1506.6
57.5°	1117.5	1137.7	1155.9	1180.8	1201.3	1225.2	1239.4	1253.0	1251.7	1248.8	1233.9
60°	1011.2	1022.4	1032.5	1047.0	1058.2	1071.8	1078.3	1085.2	1083.0	1077.9	1064.6
62.5°	929.3	936.3	942.0	951.4	958.2	966.7	970.1	973.0	970.1	965.3	953.6
65°	848.5	853.0	856.7	863.7	868.5	875.7	878.6	881.3	878.7	874.9	866.0
67.5°	775.6	776.0	775.6	778.5	780.0	784.4	785.6	787.7	784.5	781.3	773.8
70°	720.3	719.1	717.8	718.9	719.1	721.2	721.6	721.2	717.5	711.9	703.7
72.5°	677.1	676.5	675.4	676.4	676.4	678.2	677.7	676.7	672.1	666.8	658.6
75°	621.5	621.1	619.0	619.1	617.4	617.9	615.7	614.4	609.3	604.7	597.5
77.5°	556.5	555.4	552.4	551.3	548.0	546.6	542.3	540.3	535.0	531.4	525.1
80°	484.0	482.8	478.9	476.8	471.5	468.2	462.0	458.4	452.4	448.9	442.8
82.5°	400.0	400.5	396.6	393.9	386.4	380.7	372.3	367.9	361.3	357.8	351.5
85°	284.5	280.4	282.6	282.4	277.8	272.8	266.0	261.3	255.7	252.4	248.0
87.5°	156.0	157.0	155.9	154.9	151.6	149.1	143.8	141.1	137.0	134.9	131.6
90°	96.5	93.5	86.6	83.7	77.1	72.7	65.4	61.7	54.7	52.9	48.8
92.5°	96.6	91.1	85.8	80.1	74.9	69.3	63.9	58.4	52.9	51.0	49.3
95°	121.7	114.0	106.0	98.2	90.3	82.4	74.6	66.7	58.8	57.2	55.6
97.5°	137.3	128.0	118.7	109.4	100.2	90.8	81.6	72.3	63.0	62.0	61.0
100°	244.2	222.7	201.2	179.7	158.4	137.0	115.6	94.1	72.7	71.5	70.3
102.5°	558.7	506.7	454.7	402.8	350.8	298.8	246.8	194.8	142.8	135.4	127.9
105°	993.9	915.2	836.7	758.0	679.2	600.5	521.9	443.2	364.5	339.3	313.9
107.5°	1307.6	1233.5	1159.7	1085.8	1011.7	937.8	863.8	789.7	715.7	671.2	626.7
110°	1449.7	1390.9	1332.3	1273.6	1214.9	1156.2	1097.4	1038.6	979.9	941.5	903.3



TEST NUMBER: P1444671

CATALOG NUMBER: EHBR1-30-UNV-TA-L930-UPL36

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	1432.1	1389.0	1346.2	1303.0	1260.0	1216.9	1173.8	1130.6	1087.5	1064.2	1040.9
115°	1294.1	1268.1	1242.2	1216.2	1190.3	1164.3	1138.3	1112.1	1086.1	1073.8	1061.5
117.5°	1130.1	1116.7	1103.5	1090.0	1076.8	1063.3	1050.0	1036.6	1023.2	1018.9	1014.5
120°	963.0	958.9	954.6	950.5	946.4	942.2	937.9	933.7	929.5	929.9	930.3
122.5°	823.3	824.7	826.3	827.5	829.1	830.4	831.8	832.9	834.3	837.5	840.6
125°	724.8	728.4	732.2	735.8	739.6	743.1	746.9	750.3	754.1	757.2	760.5
127.5°	653.9	657.9	662.2	666.2	670.5	674.4	678.6	682.5	686.7	689.6	692.5
130°	604.1	607.6	611.2	614.7	618.3	621.8	625.3	628.9	632.4	634.6	636.8
132.5°	567.5	570.7	574.0	576.9	580.2	583.3	586.5	589.7	592.9	594.4	596.1
135°	543.6	545.8	548.1	550.4	553.0	555.2	557.6	559.9	562.4	563.4	564.5
137.5°	521.9	523.5	525.6	527.5	529.4	531.3	533.3	535.2	537.4	537.7	538.3
140°	502.5	504.6	506.6	508.7	510.8	512.8	515.1	517.2	519.5	519.8	520.4
142.5°	488.0	489.5	491.1	492.6	494.3	495.8	497.6	499.5	501.3	501.6	502.2
145°	472.3	474.2	476.1	478.0	479.8	481.8	484.1	486.2	488.4	488.5	488.8
147.5°	461.2	462.7	464.5	466.1	467.8	469.5	471.5	473.3	475.3	475.4	475.6
150°	448.5	450.2	452.0	453.7	455.6	457.5	459.6	461.6	463.9	464.4	464.9
152.5°	437.3	439.2	441.1	443.2	445.2	447.4	449.6	451.8	454.1	454.5	455.1
155°	427.7	429.4	431.6	433.6	435.7	437.6	440.0	442.1	444.3	445.0	445.6
157.5°	421.7	423.3	425.2	427.0	428.7	430.6	432.6	434.5	436.6	437.1	437.6
160°	417.6	419.0	420.7	422.4	423.9	425.6	427.4	429.0	430.8	431.3	431.8
162.5°	414.0	415.5	417.2	418.6	420.4	422.0	423.7	425.3	427.0	427.5	427.9
165°	412.0	413.1	414.3	415.4	416.7	417.8	419.1	420.3	421.6	422.0	422.7
167.5°	414.1	414.9	415.7	416.6	417.7	418.6	419.5	420.4	421.5	422.0	422.6
170°	413.8	414.6	415.4	416.3	417.1	418.0	418.8	419.6	420.7	421.2	421.8
172.5°	414.9	415.3	416.0	416.4	417.1	417.5	418.2	418.7	419.4	420.1	420.6
175°	417.2	417.5	417.8	417.9	418.3	418.6	418.9	419.3	419.5	420.1	420.5
177.5°	420.6	420.8	421.1	421.2	421.6	421.8	422.1	422.3	422.6	423.2	423.9
180°	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6



TEST NUMBER: P1444671
 CATALOG NUMBER: EHBR1-30-UNV-TA-L930-UPL36

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5
2.5°	23340.7	23340.5	23339.7	23338.7	23337.6	23338.2	23339.3	23342.0	23346.7	23353.5	23362.3
5°	23258.8	23263.6	23266.3	23266.7	23264.2	23262.7	23265.0	23271.4	23284.3	23306.1	23335.4
7.5°	23172.9	23178.8	23187.8	23194.6	23195.9	23194.2	23194.6	23204.6	23228.5	23270.8	23330.1
10°	23081.1	23063.8	23072.9	23089.8	23103.1	23105.5	23107.2	23119.1	23154.0	23217.8	23313.1
12.5°	22996.5	22941.2	22930.6	22945.8	22966.1	22972.6	22970.8	22975.9	23016.8	23101.3	23234.0
15°	22885.0	22781.1	22745.6	22749.5	22774.6	22783.7	22777.1	22767.0	22806.8	22910.0	23081.8
17.5°	22704.6	22537.2	22471.9	22469.0	22498.3	22506.2	22490.0	22458.8	22498.0	22626.8	22840.1
20°	22430.5	22183.2	22060.3	22040.8	22072.6	22063.4	22031.2	21984.0	22035.5	22192.0	22445.7
22.5°	21937.6	21624.3	21414.3	21346.6	21384.8	21359.3	21312.3	21252.1	21320.5	21498.5	21780.9
25°	21132.2	20770.1	20482.7	20321.5	20351.8	20306.3	20255.1	20182.1	20263.7	20468.0	20778.9
27.5°	19948.3	19530.2	19173.9	18907.0	18916.8	18857.1	18798.2	18703.7	18805.6	19047.3	19398.0
30°	18374.1	17890.2	17456.4	17093.7	17061.2	17003.3	16943.0	16818.9	16946.4	17235.8	17645.5
32.5°	16397.1	15859.9	15358.7	14900.0	14813.5	14757.0	14703.3	14560.4	14727.4	15064.8	15535.6
35°	14085.2	13512.9	12969.5	12445.6	12302.3	12245.8	12198.8	12061.9	12270.4	12637.5	13145.9
37.5°	11547.5	10962.9	10423.4	9886.1	9683.6	9606.9	9572.8	9483.1	9723.7	10086.8	10597.2
40°	8942.2	8398.6	7915.0	7440.5	7209.6	7092.3	7074.4	7058.1	7290.6	7605.7	8069.0
42.5°	6505.1	6066.6	5693.7	5331.0	5121.6	4961.5	4961.4	5010.1	5219.4	5455.4	5812.7
45°	4499.8	4205.5	3967.9	3725.5	3790.3	3471.1	3658.7	3562.3	3665.8	3818.0	4050.3
47.5°	3093.1	2932.6	2802.0	2666.6	2567.9	2473.6	2481.9	2542.7	2640.1	2730.4	2851.3
50°	2254.4	2172.6	2106.1	2035.8	1986.7	1945.1	1947.5	1973.8	2025.0	2072.6	2135.9
52.5°	1766.5	1721.3	1685.2	1646.4	1620.5	1600.0	1601.0	1613.8	1641.5	1668.7	1704.9
55°	1456.0	1450.6	1403.6	1368.7	1355.4	1341.5	1344.0	1349.1	1367.9	1383.9	1407.8
57.5°	1220.1	1199.0	1184.9	1166.6	1158.1	1148.4	1150.6	1152.5	1165.1	1175.8	1193.1
60°	1053.6	1038.6	1028.6	1016.2	1010.6	1004.4	1005.8	1007.0	1015.0	1022.0	1034.3
62.5°	942.9	929.5	920.9	911.2	907.4	903.2	904.1	904.4	909.5	914.6	924.0
65°	858.0	847.5	840.3	831.9	827.8	823.5	823.9	823.9	828.1	831.9	838.9
67.5°	768.3	760.3	755.6	749.0	746.2	741.8	741.7	740.4	743.1	744.5	749.4
70°	696.2	688.1	682.2	675.8	672.4	668.4	668.5	668.6	671.8	675.2	681.4
72.5°	651.7	644.0	638.7	633.2	629.9	626.6	625.9	625.6	627.9	629.8	633.9
75°	592.8	586.6	583.5	578.3	575.7	571.9	571.3	569.6	570.8	571.1	574.2
77.5°	521.3	515.4	512.9	507.7	505.5	501.3	500.9	498.9	499.8	499.2	501.5
80°	439.8	434.5	433.1	428.7	427.7	423.8	423.2	420.9	421.5	419.7	420.6
82.5°	348.8	344.0	342.9	338.9	338.9	335.3	335.2	331.6	331.6	328.6	323.8
85°	245.7	242.1	240.7	237.4	236.4	233.6	232.1	228.7	227.5	225.3	224.7
87.5°	129.7	127.4	125.4	123.9	121.0	115.8	115.4	111.8	112.1	109.6	109.8
90°	47.4	43.7	42.4	38.9	37.4	34.7	33.3	34.1	35.4	36.3	37.7
92.5°	47.5	45.6	43.8	42.0	40.2	38.3	36.5	38.3	40.2	42.0	43.8
95°	53.9	52.3	50.7	49.1	47.4	45.8	44.2	45.8	47.4	49.2	50.8
97.5°	60.0	58.9	57.9	56.9	55.9	54.8	53.8	54.9	56.0	56.9	58.0
100°	69.1	67.8	66.7	65.4	64.2	63.0	61.8	63.2	64.3	65.6	66.8
102.5°	120.5	113.0	105.4	97.9	90.5	83.0	75.5	83.0	90.5	98.0	105.5
105°	288.6	263.4	238.0	212.7	187.4	162.1	136.8	162.2	187.5	212.8	238.2
107.5°	582.2	537.8	493.2	448.8	404.1	359.7	315.1	359.8	404.3	448.9	493.4
110°	864.8	826.4	788.0	749.6	711.1	672.7	634.2	672.8	711.3	749.8	788.3



TEST NUMBER: P1444671
 CATALOG NUMBER: EHBR1-30-UNV-TA-L930-UPL36

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	1017.5	994.2	970.8	947.5	923.9	900.7	877.1	900.9	924.3	947.9	971.3
115°	1049.1	1036.8	1024.5	1012.2	999.7	987.3	974.7	987.6	1000.1	1012.7	1025.3
117.5°	1010.1	1005.8	1001.3	996.9	992.5	988.0	983.5	988.2	992.9	997.7	1002.2
120°	930.6	931.2	931.4	931.7	932.0	932.3	932.5	932.7	932.7	932.7	932.6
122.5°	843.7	846.8	849.8	852.8	855.9	858.8	861.6	859.1	856.6	854.0	851.2
125°	763.5	766.8	769.9	773.1	776.1	779.2	782.0	779.7	777.1	774.4	771.6
127.5°	695.4	698.2	701.0	703.9	706.5	709.1	711.6	709.6	707.4	705.2	702.8
130°	638.9	641.2	643.0	645.1	647.0	648.8	650.5	649.4	647.9	646.7	645.0
132.5°	597.6	599.2	600.8	602.3	603.6	605.0	606.0	605.5	604.7	604.0	602.9
135°	565.5	566.5	567.5	568.5	569.2	570.0	570.4	570.6	570.3	570.2	569.7
137.5°	538.7	539.3	539.6	539.9	540.0	540.2	540.1	540.8	541.2	541.8	541.9
140°	520.8	521.4	521.7	522.0	522.3	522.6	522.4	523.2	523.5	524.0	524.1
142.5°	502.6	503.1	503.4	503.9	503.9	504.2	504.1	504.8	505.2	505.6	505.8
145°	489.1	489.3	489.4	489.6	489.6	489.5	489.1	490.1	490.8	491.3	491.8
147.5°	475.9	476.1	476.0	476.1	476.1	476.0	475.8	476.6	477.3	477.8	478.4
150°	465.4	466.0	466.4	466.8	467.0	467.3	467.3	467.8	468.1	468.5	468.6
152.5°	455.5	455.9	456.4	456.7	456.9	457.1	457.2	457.6	458.0	458.5	458.7
155°	446.1	446.7	447.3	447.8	448.2	448.6	448.9	449.2	449.5	449.7	449.8
157.5°	438.1	438.7	439.2	439.7	440.0	440.6	440.9	441.3	441.6	441.9	442.1
160°	432.2	432.8	433.2	433.7	434.2	434.6	435.0	435.3	435.7	435.9	436.3
162.5°	428.4	428.9	429.2	429.7	430.2	430.6	431.0	431.3	431.7	432.0	432.3
165°	423.4	424.0	424.5	425.2	425.9	426.5	426.9	427.1	427.2	427.3	427.4
167.5°	423.1	423.7	424.3	424.9	425.3	426.1	426.6	426.8	426.7	426.8	426.9
170°	422.1	422.7	423.3	423.7	424.3	424.9	425.3	425.3	425.3	425.4	425.5
172.5°	421.2	422.0	422.6	423.3	423.9	424.4	425.1	425.0	424.8	424.5	424.3
175°	421.1	421.7	422.2	422.8	423.3	423.8	424.4	424.1	424.0	423.6	423.5
177.5°	424.6	425.4	426.1	426.7	427.4	428.0	428.7	428.1	427.6	427.0	426.4
180°	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6



TEST NUMBER: P1444671
 CATALOG NUMBER: EHBR1-30-UNV-TA-L930-UPL36

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5
2.5°	23374.8	23386.5	23404.3	23420.6	23445.0	23464.2	23493.2	23515.1	23547.7	23568.9	23604.4
5°	23376.9	23422.6	23482.8	23541.4	23612.0	23676.1	23755.6	23823.4	23903.5	23968.7	24050.5
7.5°	23410.0	23498.1	23603.8	23710.4	23830.8	23943.5	24070.4	24185.3	24310.9	24417.2	24533.3
10°	23434.3	23570.4	23726.1	23882.9	24047.8	24201.1	24355.9	24489.7	24614.6	24717.4	24808.3
12.5°	23401.2	23588.6	23788.5	23981.5	24165.0	24323.6	24456.8	24559.7	24630.6	24678.9	24690.1
15°	23288.9	23514.3	23731.7	23923.9	24076.2	24193.5	24254.3	24282.8	24252.3	24201.6	24090.1
17.5°	23078.9	23316.7	23511.0	23662.7	23743.2	23775.0	23724.6	23637.1	23465.9	23275.9	23001.6
20°	22694.0	22915.6	23056.5	23139.2	23117.7	23038.1	22848.0	22617.0	22275.3	21911.2	21430.6
22.5°	22018.8	22212.5	22287.7	22293.8	22162.5	21963.2	21620.4	21224.1	20685.0	20124.6	19435.4
25°	21005.4	21175.1	21186.9	21120.3	20879.9	20557.0	20053.6	19493.0	18760.5	18013.8	17150.1
27.5°	19630.9	19793.6	19753.8	19629.5	19295.8	18863.7	18219.2	17495.0	16591.9	15709.9	14754.5
30°	17903.2	18077.2	18030.4	17870.9	17474.1	16963.3	16204.9	15363.5	14360.9	13418.9	12450.7
32.5°	15835.5	16055.6	16023.2	15871.6	15457.5	14910.9	14088.0	13195.6	12169.8	11241.5	10299.8
35°	13485.3	13752.5	13766.3	13667.2	13282.8	12742.5	11929.9	11066.3	10083.7	9207.8	8337.8
37.5°	10953.3	11263.1	11326.6	11299.9	10981.3	10504.4	9764.1	8989.2	8118.8	7351.1	6607.0
40°	8407.4	8720.9	8829.6	8861.8	8626.8	8257.4	7649.7	7024.3	6314.7	5692.7	5101.9
42.5°	6085.5	6363.4	6468.5	6534.6	6387.9	6141.6	5698.3	5244.2	4724.3	4275.6	3845.4
45°	4226.5	4423.1	4503.0	4569.6	4489.6	4350.7	4070.8	3786.7	3443.5	3150.4	2872.9
47.5°	2955.0	3063.4	3116.1	3148.5	3117.5	3045.0	2892.7	2728.1	2534.4	2363.1	2198.4
50°	2190.2	2248.0	2275.6	2294.2	2271.7	2231.4	2149.0	2059.4	1953.0	1856.0	1761.1
52.5°	1735.8	1768.8	1785.2	1795.3	1782.4	1757.7	1709.7	1656.6	1592.8	1532.8	1501.3
55°	1462.3	1460.6	1498.5	1480.2	1498.5	1457.5	1449.0	1390.6	1337.6	1300.4	1260.0
57.5°	1205.9	1223.1	1230.4	1238.5	1233.2	1225.8	1205.4	1184.4	1156.5	1133.2	1108.2
60°	1043.9	1058.0	1066.0	1074.1	1073.6	1070.8	1058.9	1046.5	1029.0	1015.0	999.9
62.5°	932.2	944.4	952.4	960.1	960.8	959.7	950.8	942.0	930.2	921.3	911.0
65°	844.4	853.0	858.3	864.5	864.2	862.5	854.4	847.3	837.5	831.3	823.8
67.5°	752.5	759.0	763.2	769.0	770.1	770.5	766.0	762.6	757.8	756.1	753.5
70°	687.2	695.0	701.7	709.1	713.1	715.0	713.1	711.3	708.5	707.4	705.3
72.5°	637.7	644.4	649.6	656.2	660.0	662.7	661.1	660.2	657.8	657.5	656.1
75°	576.2	580.8	583.8	588.8	590.8	593.3	592.2	592.8	592.0	593.9	593.9
77.5°	502.3	505.7	507.1	510.8	511.2	514.2	514.8	518.4	521.0	526.5	529.4
80°	419.2	421.3	421.3	425.1	426.8	431.8	434.3	440.1	442.8	447.8	448.2
82.5°	325.6	323.1	325.6	324.1	328.8	334.6	335.3	340.3	341.4	344.6	342.1
85°	222.6	222.4	220.5	220.8	219.3	220.0	219.1	220.1	219.2	219.3	217.1
87.5°	106.7	107.6	105.2	106.0	103.8	104.9	102.8	104.4	102.0	102.4	98.9
90°	38.7	39.9	41.0	42.3	43.9	47.3	50.9	54.4	58.2	61.5	65.1
92.5°	45.6	47.6	49.4	51.2	53.0	58.5	64.0	69.4	75.0	80.4	85.9
95°	52.4	54.0	55.7	57.5	59.1	67.0	74.9	82.8	90.6	98.6	106.4
97.5°	59.2	60.2	61.2	62.3	63.4	72.6	82.0	91.3	100.6	109.9	119.1
100°	68.1	69.3	70.6	71.8	73.1	94.5	116.0	137.5	159.0	180.3	201.8
102.5°	113.2	120.7	128.1	135.8	143.3	195.3	247.4	299.4	351.3	403.4	455.4
105°	263.6	288.9	314.4	339.7	365.0	443.8	522.6	601.3	679.9	758.7	837.5
107.5°	538.1	582.6	627.3	671.8	716.4	790.5	864.6	938.5	1012.7	1086.7	1160.6
110°	826.9	865.2	903.9	942.4	980.9	1039.6	1098.6	1157.3	1216.1	1275.0	1333.7



TEST NUMBER: P1444671
 CATALOG NUMBER: EHBR1-30-UNV-TA-L930-UPL36

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	994.9	1018.3	1041.8	1065.1	1088.6	1131.7	1175.1	1218.3	1261.5	1304.5	1347.7
115°	1037.7	1050.0	1062.6	1075.0	1087.5	1113.7	1139.8	1165.9	1192.1	1218.1	1244.3
117.5°	1006.8	1011.4	1015.9	1020.3	1024.8	1038.3	1051.9	1065.4	1078.9	1092.4	1105.8
120°	932.5	932.2	932.0	931.7	931.5	935.8	940.2	944.5	948.9	953.1	957.3
122.5°	848.5	845.5	842.7	839.7	836.8	835.4	834.4	833.0	832.0	830.5	829.3
125°	768.8	765.8	762.9	759.9	756.8	753.3	749.8	746.3	742.8	739.1	735.5
127.5°	700.4	697.8	695.4	692.6	689.9	685.8	681.9	677.8	674.1	669.9	665.9
130°	643.5	641.6	639.9	637.8	636.1	632.4	629.1	625.7	622.2	618.7	615.3
132.5°	601.9	600.6	599.5	598.0	596.7	593.6	590.8	587.5	584.5	581.4	578.4
135°	569.3	568.6	568.2	567.3	566.6	564.2	562.0	559.7	557.6	555.3	553.0
137.5°	542.2	542.0	542.0	541.8	541.8	539.9	538.2	536.2	534.4	532.5	530.9
140°	524.3	524.3	524.3	524.2	524.1	522.0	520.2	518.1	516.1	514.1	512.1
142.5°	506.0	506.0	506.1	505.9	505.9	504.3	502.9	501.4	499.9	498.3	496.9
145°	492.2	492.4	492.7	492.8	493.2	491.2	489.4	487.5	485.8	484.0	482.2
147.5°	478.9	479.2	479.5	479.8	480.2	478.5	477.2	475.5	474.1	472.6	471.1
150°	468.7	468.8	469.0	468.9	468.9	467.2	465.7	464.0	462.5	460.8	459.3
152.5°	458.8	459.0	459.3	459.4	459.6	457.9	456.2	454.4	452.7	450.8	449.1
155°	450.0	450.1	450.2	450.2	450.2	448.6	447.0	445.2	443.6	441.9	440.3
157.5°	442.3	442.5	442.6	442.7	442.8	441.4	440.0	438.5	437.1	435.7	434.3
160°	436.5	436.7	436.9	437.0	437.2	435.9	435.0	433.5	432.5	431.1	429.8
162.5°	432.6	432.8	433.0	433.1	433.3	432.0	431.0	429.8	428.6	427.2	426.1
165°	427.6	427.5	427.5	427.4	427.4	426.6	425.9	425.1	424.3	423.3	422.5
167.5°	426.9	426.8	426.9	426.7	426.7	426.1	425.7	425.1	424.4	423.8	423.2
170°	425.4	425.4	425.3	425.2	425.2	424.5	424.0	423.5	423.0	422.2	421.6
172.5°	424.1	423.8	423.6	423.4	423.0	422.6	422.3	421.9	421.6	421.2	420.8
175°	423.1	422.8	422.6	422.3	422.0	421.9	421.6	421.5	421.3	421.1	420.9
177.5°	426.1	425.5	424.9	424.4	423.8	423.6	423.6	423.3	423.3	423.1	422.9
180°	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6



TEST NUMBER: P1444671
 CATALOG NUMBER: EHBR1-30-UNV-TA-L930-UPL36

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5
2.5°	23626.4	23480.5	23461.2	23471.4	23495.9	23504.9	23531.2	23538.4	23564.8	23571.3	23596.8
5°	24113.9	23921.0	23930.7	23977.0	24047.2	24089.1	24158.1	24194.2	24260.0	24290.0	24349.6
7.5°	24628.0	24476.5	24523.7	24601.9	24697.9	24764.4	24847.3	24901.3	24972.8	25017.0	25074.3
10°	24880.3	24838.9	24890.9	24952.4	25007.1	25050.0	25085.2	25113.3	25131.7	25149.0	25156.5
12.5°	24688.3	24752.6	24761.4	24755.4	24719.1	24691.4	24629.2	24586.9	24511.9	24466.1	24376.8
15°	23976.3	24117.4	24039.3	23920.9	23747.6	23603.2	23399.3	23247.4	23035.0	22891.0	22677.8
17.5°	22726.6	22904.9	22701.1	22427.2	22078.7	21780.6	21409.4	21114.7	20745.6	20477.1	20132.7
20°	20967.4	21134.0	20770.6	20316.5	19777.4	19323.7	18788.8	18361.9	17864.8	17495.0	17048.7
22.5°	18777.1	18895.7	18383.8	17771.5	17084.8	16518.1	15878.4	15366.7	14799.3	14376.6	13900.7
25°	16353.8	16385.9	15771.7	15066.5	14301.0	13664.1	12981.2	12443.2	11864.5	11436.1	10969.0
27.5°	13908.0	13861.1	13197.3	12449.5	11644.3	10982.3	10316.3	9812.1	9305.3	8919.3	8517.0
30°	11599.5	11485.9	10796.7	10028.0	9246.5	8653.1	8100.1	7695.3	7292.1	6985.9	6663.0
32.5°	9482.6	9322.2	8651.4	7931.2	7272.7	6814.7	6404.7	6098.3	5772.8	5514.2	5243.1
35°	7607.6	7436.6	6842.3	6231.8	5733.4	5395.8	5073.6	4822.2	4545.8	4327.6	4092.2
37.5°	5998.3	5858.3	5360.5	4880.1	4503.0	4241.5	3977.4	3772.0	3543.5	3447.6	3196.0
40°	4630.7	4532.8	4143.5	3789.4	3506.3	3383.4	3115.4	2923.5	2752.8	2612.0	2475.7
42.5°	3612.1	3577.4	3198.6	2922.4	2723.0	2568.2	2418.8	2297.5	2179.5	2082.5	1990.8
45°	2650.7	2623.2	2455.1	2295.7	2159.9	2051.6	1950.6	1867.2	1790.1	1726.1	1667.9
47.5°	2064.1	2055.3	1958.5	1859.6	1774.0	1704.5	1639.0	1583.6	1532.4	1489.7	1475.8
50°	1678.8	1677.7	1620.8	1559.9	1498.9	1458.7	1416.9	1384.1	1351.2	1325.7	1298.6
52.5°	1426.4	1420.3	1381.9	1344.2	1308.0	1281.6	1254.9	1234.0	1212.2	1196.4	1179.6
55°	1228.0	1234.5	1212.3	1189.8	1167.2	1150.8	1132.0	1118.2	1103.3	1093.3	1083.2
57.5°	1090.2	1098.8	1087.2	1074.4	1060.6	1049.9	1036.9	1027.4	1017.4	1011.0	1005.1
60°	990.0	999.3	994.6	988.2	979.7	973.3	965.0	959.8	953.3	949.8	946.5
62.5°	904.9	916.6	914.9	911.9	906.5	902.9	898.4	896.0	891.8	890.2	888.6
65°	820.0	833.2	832.9	831.4	828.4	827.4	824.6	824.1	821.9	822.8	822.6
67.5°	753.3	764.7	767.3	769.1	769.0	769.7	769.4	770.6	770.6	772.2	773.2
70°	705.1	713.1	715.0	716.9	717.5	719.0	719.0	720.0	719.7	721.1	721.2
72.5°	656.4	666.9	668.8	670.4	670.4	671.8	671.1	670.8	668.7	668.3	666.8
75°	595.8	609.3	612.2	614.2	614.4	615.7	613.9	612.7	609.3	607.8	605.4
77.5°	532.5	546.5	548.6	549.3	548.1	548.4	544.6	542.0	537.6	535.8	533.4
80°	450.2	470.8	472.4	471.1	467.9	467.4	463.7	461.3	455.9	454.1	452.1
82.5°	342.6	366.7	370.1	371.5	368.9	369.6	366.0	364.7	359.8	358.9	355.7
85°	216.3	240.4	244.4	243.8	241.2	240.6	238.5	239.2	238.7	240.1	240.8
87.5°	99.4	122.7	128.3	126.5	126.3	124.7	120.9	122.3	124.6	126.0	126.1
90°	68.7	79.3	82.7	80.3	75.5	72.7	68.2	65.8	61.6	59.2	55.0
92.5°	91.3	96.9	102.3	97.4	92.6	87.7	82.9	77.9	73.2	68.2	63.4
95°	114.3	122.0	129.9	123.4	116.9	110.4	103.9	97.5	91.0	84.5	78.1
97.5°	128.4	137.6	146.8	140.3	133.8	127.3	120.7	114.3	107.8	101.2	94.8
100°	223.2	244.4	265.7	247.3	228.8	210.4	192.0	173.5	155.1	136.7	118.2
102.5°	507.3	559.1	611.0	564.3	517.6	471.0	424.4	377.7	331.1	284.4	237.8
105°	916.1	994.4	1073.0	1001.6	930.4	859.3	788.1	716.9	645.7	574.5	503.4
107.5°	1234.6	1308.1	1381.9	1317.5	1253.1	1188.9	1124.4	1060.1	995.7	931.3	867.0
110°	1392.4	1450.4	1509.0	1465.7	1422.5	1379.3	1336.2	1293.0	1249.9	1206.9	1163.7



TEST NUMBER: P1444671
 CATALOG NUMBER: EHBR1-30-UNV-TA-L930-UPL36

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	1390.7	1433.0	1475.7	1450.3	1425.2	1399.9	1374.8	1349.5	1324.4	1299.2	1274.2
115°	1270.1	1295.0	1320.7	1310.7	1300.8	1290.9	1280.9	1271.1	1261.1	1251.3	1241.6
117.5°	1119.2	1131.2	1144.1	1142.3	1140.7	1138.8	1137.2	1135.5	1134.0	1132.3	1130.8
120°	961.5	964.2	968.0	969.3	970.8	972.1	973.7	975.1	976.6	978.0	979.6
122.5°	828.0	824.9	823.1	824.4	825.8	827.0	828.4	829.7	831.2	832.6	834.1
125°	732.0	726.5	722.3	720.8	719.2	717.6	716.0	714.4	713.1	711.6	710.1
127.5°	661.8	655.8	651.2	647.3	643.6	639.7	635.8	631.8	628.2	624.2	620.6
130°	611.9	606.2	602.1	597.2	592.5	587.4	582.7	577.7	572.9	568.0	563.2
132.5°	575.3	569.8	566.2	561.6	557.1	552.2	547.7	542.9	538.2	533.4	528.9
135°	550.7	546.0	543.2	538.9	534.9	530.5	526.2	522.0	517.8	513.4	509.4
137.5°	528.9	524.4	522.0	518.6	515.4	512.0	508.8	505.2	501.9	498.3	495.1
140°	510.1	505.4	502.8	500.9	499.2	497.2	495.5	493.5	491.7	489.8	487.9
142.5°	495.4	490.8	488.8	487.6	486.6	485.4	484.4	483.2	482.1	480.8	479.6
145°	480.4	475.2	472.7	472.7	472.8	472.8	472.7	472.7	472.7	472.6	472.5
147.5°	469.5	464.4	462.0	462.3	462.7	462.9	463.4	463.5	463.9	464.1	464.5
150°	457.5	451.7	449.0	449.6	450.1	450.7	451.4	452.1	452.8	453.3	453.9
152.5°	447.3	440.4	437.3	437.9	438.7	439.2	440.0	440.8	441.6	442.3	443.0
155°	438.4	431.0	427.7	427.8	428.1	428.5	428.8	429.3	429.6	430.1	430.5
157.5°	432.6	425.0	421.9	421.8	422.0	422.0	422.1	422.4	422.6	422.8	423.2
160°	428.5	421.0	417.9	417.8	418.0	418.0	418.0	418.2	418.4	418.6	418.9
162.5°	424.6	417.3	414.4	414.2	414.1	414.3	414.4	414.3	414.5	414.6	414.9
165°	421.5	415.2	412.7	412.8	413.0	413.1	413.3	413.6	413.9	414.3	414.6
167.5°	422.5	416.9	414.9	414.6	414.4	414.1	414.1	413.8	413.8	413.6	413.6
170°	421.0	416.5	414.7	414.7	414.9	415.0	415.0	415.1	415.2	415.3	415.4
172.5°	420.3	417.1	415.7	416.1	416.4	416.8	417.1	417.5	417.9	418.3	418.7
175°	420.7	418.7	418.1	418.1	418.4	418.6	418.7	419.0	419.2	419.4	419.8
177.5°	422.8	422.1	421.8	421.8	421.8	421.8	421.8	421.8	421.8	421.9	421.9
180°	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6



TEST NUMBER: P1444671
 CATALOG NUMBER: EHBR1-30-UNV-TA-L930-UPL36

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5
2.5°	23601.6	23629.1	23627.0	23652.7	23651.4	23675.6	23670.7	23691.6	23686.9	23704.7	23694.2
5°	24375.8	24428.1	24445.4	24492.6	24502.4	24544.6	24545.5	24579.1	24575.0	24601.3	24587.3
7.5°	25108.1	25156.9	25180.1	25216.8	25235.2	25265.6	25277.4	25302.5	25308.4	25323.1	25322.7
10°	25169.9	25169.7	25181.2	25176.0	25186.3	25180.4	25192.9	25188.4	25206.9	25202.1	25216.0
12.5°	24338.3	24255.7	24225.6	24151.5	24135.3	24071.6	24076.2	24035.4	24055.1	24030.0	24072.7
15°	22551.0	22359.5	22264.8	22098.4	22046.2	21914.6	21903.9	21816.5	21840.1	21794.4	21861.2
17.5°	19909.8	19608.4	19443.0	19199.9	19103.4	18917.3	18879.9	18767.5	18784.9	18728.2	18808.9
20°	16760.8	16396.5	16187.9	15906.7	15781.4	15559.6	15500.7	15374.8	15390.6	15334.2	15425.5
22.5°	13575.9	13194.7	12959.0	12664.4	12504.3	12295.7	12233.0	12106.6	12113.8	12060.9	12148.7
25°	10649.1	10283.6	10054.9	9787.3	9648.3	9457.0	9391.2	9277.7	9284.2	9240.5	9319.3
27.5°	8237.9	7937.9	7746.6	7522.3	7397.7	7240.4	7176.3	7080.8	7080.5	7048.6	7114.4
30°	6437.4	6187.1	6015.4	5820.0	5703.0	5561.1	5499.1	5413.8	5410.0	5387.3	5439.6
32.5°	5040.4	4817.8	4661.1	4489.1	4384.1	4262.3	4203.7	4135.1	4128.7	4108.2	4151.2
35°	3918.3	3730.8	3596.0	3451.3	3462.0	3282.3	3312.2	3172.6	3134.8	3126.5	3158.5
37.5°	3028.4	2883.1	2773.7	2665.3	2591.9	2516.0	2475.1	2438.3	2434.1	2430.6	2453.0
40°	2370.3	2268.8	2189.2	2114.8	2064.2	2017.9	1992.3	1972.2	1967.4	1964.7	1978.2
42.5°	1918.4	1849.9	1798.6	1753.2	1722.5	1697.3	1683.3	1672.0	1668.3	1668.4	1676.4
45°	1620.8	1579.3	1546.2	1518.0	1498.4	1507.0	1481.6	1494.9	1477.3	1495.5	1483.6
47.5°	1427.3	1392.0	1371.5	1351.5	1339.6	1330.1	1330.5	1330.6	1334.3	1334.9	1338.8
50°	1278.1	1257.6	1243.4	1230.7	1224.4	1219.4	1221.1	1222.5	1226.1	1226.4	1229.2
52.5°	1167.6	1154.1	1145.6	1137.6	1134.9	1132.0	1133.3	1132.7	1134.3	1133.5	1135.8
55°	1077.7	1071.3	1068.7	1065.7	1066.2	1065.4	1065.9	1063.0	1061.3	1059.1	1061.1
57.5°	1004.0	1003.1	1004.8	1006.1	1009.5	1010.7	1011.4	1008.1	1005.0	1002.2	1003.9
60°	947.1	948.4	953.0	956.6	961.5	963.8	965.1	963.2	960.9	958.6	960.0
62.5°	891.0	893.2	898.5	902.6	908.5	911.5	914.9	915.1	916.0	915.1	916.1
65°	825.9	828.6	833.5	836.9	842.3	845.0	848.5	849.1	851.0	850.6	852.2
67.5°	776.4	778.9	783.0	786.2	791.1	793.8	796.9	797.0	797.7	797.6	799.1
70°	723.7	724.9	728.5	731.2	736.1	738.9	742.4	743.5	745.6	746.0	747.8
72.5°	667.5	666.9	669.1	670.3	674.0	676.2	680.7	683.1	686.7	687.7	688.9
75°	606.2	605.6	608.2	609.3	612.4	614.6	619.6	622.8	628.4	630.8	630.2
77.5°	535.2	536.5	541.3	544.0	548.1	551.1	557.5	562.6	572.9	577.5	572.8
80°	455.9	457.2	462.2	464.7	470.3	473.7	480.9	486.9	496.2	498.1	495.6
82.5°	358.4	358.8	363.3	365.2	372.3	377.5	386.6	391.4	397.1	396.2	395.5
85°	244.4	247.7	253.4	259.0	267.7	276.0	284.6	291.7	286.7	294.6	285.7
87.5°	130.6	130.3	137.9	136.7	148.8	155.9	163.3	166.9	170.9	170.1	170.2
90°	52.9	50.3	49.5	46.6	46.4	43.4	43.8	41.0	41.8	38.5	43.4
92.5°	58.5	55.9	53.2	50.6	47.9	45.4	42.7	40.0	37.4	34.8	37.4
95°	71.6	69.2	66.7	64.2	61.8	59.3	56.9	54.4	52.0	49.5	52.6
97.5°	88.3	86.9	85.5	84.0	82.6	81.3	79.8	78.4	76.9	75.5	77.5
100°	99.7	99.7	99.7	99.7	99.5	99.5	99.5	99.5	99.5	99.5	101.1
102.5°	191.1	186.4	181.8	177.0	172.3	167.7	163.1	158.4	153.7	149.1	155.9
105°	432.2	413.9	395.7	377.4	359.1	340.9	322.7	304.4	286.2	268.0	286.8
107.5°	802.8	769.5	736.3	703.0	669.7	636.5	603.3	570.1	536.9	503.7	533.4
110°	1120.6	1085.3	1049.9	1014.7	979.4	944.1	908.8	873.6	838.3	803.1	831.4



TEST NUMBER: P1444671
 CATALOG NUMBER: EHBR1-30-UNV-TA-L930-UPL36

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	1249.1	1226.1	1203.4	1180.6	1157.9	1135.1	1112.4	1089.7	1067.1	1044.3	1058.1
115°	1231.7	1220.9	1210.0	1199.2	1188.4	1177.6	1166.7	1156.0	1145.2	1134.5	1135.3
117.5°	1129.2	1125.4	1121.9	1118.2	1114.5	1111.1	1107.5	1104.0	1100.6	1097.2	1089.5
120°	981.4	982.5	983.6	984.8	986.0	987.3	988.5	989.9	991.3	992.7	982.4
122.5°	835.6	838.2	840.9	843.6	846.4	849.3	852.2	855.2	858.3	861.3	850.9
125°	708.6	711.2	713.8	716.6	719.1	722.1	724.9	728.0	730.9	734.0	725.3
127.5°	616.8	617.7	618.6	619.7	620.7	621.8	623.1	624.4	625.8	627.4	621.9
130°	558.3	557.4	556.4	555.6	554.6	554.1	553.5	553.0	552.4	552.1	549.7
132.5°	524.2	521.9	519.7	517.6	515.5	513.7	511.7	510.0	508.3	506.8	506.1
135°	505.0	502.0	498.9	495.9	493.0	490.4	487.7	485.2	482.7	480.4	480.8
137.5°	491.6	488.7	485.7	482.7	479.8	477.2	474.4	471.9	469.5	467.1	468.0
140°	486.0	483.0	479.9	477.0	474.3	471.5	468.8	466.4	463.7	461.6	462.1
142.5°	478.4	475.8	472.9	470.3	467.8	465.4	462.9	460.7	458.3	456.4	457.0
145°	472.5	470.5	468.5	466.4	464.6	462.9	460.9	459.3	457.7	456.4	456.6
147.5°	464.6	463.2	461.6	460.2	458.6	457.4	456.0	454.8	453.7	452.6	452.7
150°	454.5	453.6	452.5	451.6	450.6	449.8	448.9	448.2	447.4	446.7	446.6
152.5°	443.7	442.9	441.9	441.1	440.2	439.5	438.7	438.1	437.4	436.7	436.7
155°	431.0	430.5	430.2	429.7	429.4	429.2	428.8	428.6	428.4	428.2	428.3
157.5°	423.4	423.3	423.0	423.1	423.0	422.9	422.8	423.0	422.8	423.0	423.2
160°	419.3	419.0	418.7	418.5	418.3	418.0	417.9	417.8	417.7	417.5	417.9
162.5°	415.1	415.4	415.4	415.5	415.8	416.0	416.3	416.6	416.8	417.1	417.4
165°	415.1	415.0	414.8	414.6	414.7	414.7	414.7	414.8	414.8	415.0	415.4
167.5°	413.5	413.8	413.8	414.2	414.5	414.8	415.1	415.6	416.0	416.5	416.9
170°	415.4	415.4	415.4	415.4	415.4	415.6	415.7	415.8	415.9	416.2	416.4
172.5°	419.0	419.0	418.8	419.0	418.8	419.0	419.0	419.1	419.1	419.2	419.4
175°	419.8	420.2	420.4	420.7	420.8	421.0	421.2	421.4	421.6	421.9	421.9
177.5°	421.9	422.0	422.0	422.0	422.0	422.0	422.0	422.0	422.0	422.0	422.1
180°	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6



TEST NUMBER: P1444671
 CATALOG NUMBER: EHBR1-30-UNV-TA-L930-UPL36

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5
2.5°	23711.7	23699.8	23712.0	23699.7	23712.0	23697.2	23707.2	23691.2	23695.3	23678.7	23683.0
5°	24608.3	24589.4	24599.5	24574.9	24577.4	24544.6	24544.0	24505.9	24495.8	24452.3	24433.2
7.5°	25333.2	25327.1	25330.5	25314.8	25312.9	25290.5	25279.8	25248.3	25228.4	25188.4	25161.0
10°	25218.5	25237.0	25241.8	25260.6	25264.5	25283.1	25287.1	25305.8	25309.6	25323.4	25323.6
12.5°	24070.7	24133.4	24148.4	24226.0	24258.6	24347.3	24394.8	24492.6	24550.6	24648.1	24708.0
15°	21859.4	21968.0	22011.3	22162.6	22246.4	22423.1	22534.1	22737.1	22880.3	23095.7	23249.5
17.5°	18816.0	18967.7	19036.2	19241.5	19375.4	19636.3	19824.2	20133.6	20370.5	20714.4	20986.9
20°	15441.1	15609.8	15702.8	15936.9	16095.0	16399.6	16634.4	17014.6	17331.7	17767.4	18139.9
22.5°	12176.2	12336.7	12439.9	12678.1	12856.0	13173.9	13436.2	13837.5	14192.7	14683.7	15130.4
25°	9349.0	9496.1	9589.4	9804.8	9971.9	10264.0	10514.5	10900.4	11248.0	11740.5	12198.6
27.5°	7147.2	7270.4	7360.3	7544.0	7691.4	7939.1	8154.3	8473.2	8772.7	9198.8	9606.7
30°	5471.8	5580.9	5668.4	5828.5	5965.1	6179.9	6369.1	6636.9	6884.9	7223.8	7548.4
32.5°	4181.4	4275.3	4353.3	4493.4	4617.3	4810.7	4981.2	5216.0	5428.7	5716.3	5983.3
35°	3188.1	3373.1	3360.0	3553.2	3584.3	3723.0	3875.1	4080.4	4268.8	4513.4	4740.6
37.5°	2474.5	2526.5	2582.3	2667.6	2757.4	2883.6	3012.1	3263.0	3355.1	3539.8	3727.9
40°	1995.4	2030.5	2067.4	2125.1	2187.9	2276.9	2370.4	2490.1	2612.8	2762.6	2915.6
42.5°	1687.0	1706.9	1730.3	1764.2	1803.0	1859.4	1921.9	2003.1	2088.4	2193.8	2301.5
45°	1507.2	1497.7	1504.7	1523.0	1546.3	1580.5	1620.1	1670.4	1725.9	1794.1	1866.9
47.5°	1339.6	1343.5	1345.5	1355.4	1367.9	1390.9	1414.9	1449.0	1514.8	1534.9	1574.6
50°	1229.0	1230.8	1230.2	1235.2	1241.5	1256.5	1272.0	1295.1	1318.2	1348.7	1377.9
52.5°	1136.2	1138.8	1138.4	1141.7	1145.1	1154.6	1164.4	1180.8	1195.8	1215.2	1232.0
55°	1063.0	1066.5	1067.9	1070.7	1072.3	1077.3	1081.1	1089.0	1095.4	1106.4	1116.6
57.5°	1006.6	1011.4	1013.8	1014.7	1012.7	1012.4	1011.1	1012.8	1014.1	1020.0	1025.7
60°	962.3	966.2	966.8	966.2	962.5	959.9	955.7	954.4	953.8	956.6	959.8
62.5°	915.8	917.2	916.3	915.1	911.0	908.4	904.1	902.5	901.0	903.1	904.7
65°	851.6	852.8	851.6	850.9	847.2	845.2	841.5	840.3	838.2	838.7	838.4
67.5°	799.4	800.7	799.7	798.7	796.1	794.9	792.2	790.5	787.9	787.1	785.3
70°	747.5	748.4	747.0	746.0	743.0	741.9	739.4	738.8	736.9	736.4	734.5
72.5°	687.7	687.8	685.6	685.0	682.9	682.8	681.7	682.7	682.6	683.7	683.2
75°	626.5	625.6	623.0	622.5	620.9	621.7	620.6	622.0	622.2	624.5	624.7
77.5°	565.2	562.0	557.1	554.6	551.3	551.0	549.0	550.4	549.9	552.5	553.6
80°	487.8	483.9	477.6	474.5	470.6	470.0	468.2	470.0	469.1	472.1	474.4
82.5°	389.4	386.0	379.4	377.0	372.5	372.9	371.1	372.9	372.7	377.2	379.8
85°	288.1	285.8	279.0	273.0	266.4	262.4	258.6	258.0	256.8	258.6	260.2
87.5°	166.4	164.3	159.0	155.5	143.8	144.4	139.7	139.5	138.3	137.3	139.7
90°	43.7	48.0	48.6	52.5	53.5	57.9	59.0	63.4	64.4	68.9	70.6
92.5°	40.0	42.7	45.3	47.9	50.5	53.2	55.8	58.5	64.2	69.6	75.5
95°	55.6	58.6	61.7	64.8	67.8	70.8	73.9	76.9	85.2	93.5	101.9
97.5°	79.6	81.5	83.6	85.5	87.6	89.6	91.6	93.7	102.7	111.6	120.5
100°	102.7	104.4	106.0	107.6	109.3	110.9	112.5	114.1	131.4	148.6	165.9
102.5°	162.8	169.8	176.6	183.5	190.4	197.4	204.2	211.1	250.7	290.2	329.7
105°	305.7	324.5	343.4	362.2	381.1	399.9	418.9	437.7	501.0	564.2	627.5
107.5°	563.2	593.0	622.7	652.7	682.4	712.3	742.1	771.9	833.6	895.3	957.0
110°	859.8	888.3	916.6	945.1	973.4	1001.9	1030.3	1058.9	1095.9	1132.8	1169.9



TEST NUMBER: P1444671
 CATALOG NUMBER: EHBR1-30-UNV-TA-L930-UPL36

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	1072.0	1085.8	1099.6	1113.5	1127.3	1141.3	1155.1	1169.1	1187.6	1205.9	1224.4
115°	1136.2	1137.0	1138.0	1138.8	1139.8	1140.7	1141.8	1142.8	1148.6	1154.4	1160.2
117.5°	1081.8	1074.3	1066.8	1059.1	1051.6	1044.3	1036.8	1029.5	1028.3	1027.0	1025.8
120°	972.3	962.1	951.9	941.8	931.8	921.7	911.7	901.8	896.7	891.6	886.5
122.5°	840.8	830.6	820.6	810.5	800.5	790.6	780.8	771.0	767.3	763.7	760.1
125°	716.8	708.4	699.9	691.5	683.3	675.1	667.1	659.0	658.7	658.2	658.1
127.5°	616.7	611.5	606.4	601.3	596.4	591.5	586.7	581.9	584.1	585.9	588.1
130°	547.3	545.0	543.0	540.7	538.8	536.7	534.9	532.9	536.6	540.2	544.0
132.5°	505.7	505.3	504.9	504.6	504.5	504.4	504.5	504.3	508.7	512.9	517.2
135°	481.2	481.8	482.6	483.4	484.3	485.1	486.2	487.1	491.3	495.3	499.4
137.5°	469.0	469.9	471.1	472.1	473.6	474.7	476.2	477.6	480.7	484.0	487.2
140°	462.9	463.7	464.6	465.6	466.6	467.6	468.8	469.9	472.6	475.1	477.5
142.5°	457.8	458.3	459.2	460.2	461.2	462.1	463.2	464.1	466.1	467.8	469.9
145°	457.2	457.7	458.4	459.0	459.6	460.4	461.3	462.0	463.2	464.3	465.4
147.5°	453.1	453.3	453.8	454.2	454.7	455.2	455.6	456.0	456.8	457.4	458.2
150°	446.8	446.8	447.0	447.0	447.4	447.5	447.9	448.1	448.7	449.2	450.0
152.5°	436.7	436.7	436.9	436.9	437.2	437.4	437.5	437.7	438.4	438.8	439.4
155°	428.5	428.9	429.3	429.5	430.0	430.2	430.6	430.8	431.2	431.6	432.0
157.5°	423.6	423.7	424.2	424.4	424.8	425.0	425.3	425.6	426.1	426.3	426.7
160°	418.4	419.0	419.5	420.0	420.4	421.0	421.5	422.0	422.4	422.7	423.0
162.5°	417.8	418.1	418.5	418.7	419.0	419.4	419.6	420.0	420.6	421.0	421.7
165°	416.0	416.5	417.1	417.5	418.0	418.7	419.1	419.6	419.9	420.3	420.5
167.5°	417.5	417.9	418.5	419.0	419.5	419.9	420.5	421.0	421.3	421.5	421.9
170°	417.0	417.4	417.9	418.4	418.8	419.2	419.7	420.1	420.6	421.0	421.6
172.5°	419.8	420.2	420.5	420.9	421.2	421.7	422.1	422.4	422.8	423.2	423.6
175°	421.9	421.9	422.0	422.0	422.1	422.1	422.2	422.4	422.5	422.6	422.7
177.5°	422.3	422.6	422.8	422.9	423.1	423.4	423.6	423.7	423.7	423.7	423.7
180°	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6



TEST NUMBER: P1444671
 CATALOG NUMBER: EHBR1-30-UNV-TA-L930-UPL36

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5
2.5°	23666.4	23667.4	23648.3	23647.3	23629.4	23627.1	23609.8	23604.4	23590.3	23585.2	23570.7
5°	24384.4	24361.2	24307.4	24275.9	24222.8	24187.6	24130.1	24092.7	24037.1	23995.3	23939.6
7.5°	25110.6	25074.5	25014.2	24965.4	24891.7	24832.8	24746.6	24676.0	24582.6	24501.8	24403.7
10°	25323.6	25318.1	25302.7	25280.3	25246.0	25207.5	25148.8	25087.6	25005.8	24916.9	24807.9
12.5°	24799.6	24856.2	24933.3	24979.1	25034.7	25059.1	25081.9	25076.1	25061.2	25016.1	24953.1
15°	23472.1	23631.1	23841.6	24004.8	24192.6	24329.0	24479.7	24573.5	24667.2	24710.4	24736.9
17.5°	21360.3	21661.5	22038.9	22351.8	22712.8	23002.8	23320.7	23559.9	23806.0	23982.3	24141.7
20°	18647.8	19084.0	19618.0	20089.8	20638.3	21114.9	21637.2	22066.0	22508.2	22854.1	23181.3
22.5°	15705.7	16223.7	16869.3	17467.3	18174.4	18809.9	19526.9	20150.9	20802.5	21346.8	21873.1
25°	12812.5	13380.7	14086.6	14753.8	15554.6	16293.8	17144.1	17921.8	18764.0	19495.1	20217.4
27.5°	10170.7	10728.5	11449.2	12159.3	13006.2	13793.9	14704.9	15561.8	16520.7	17404.9	18309.4
30°	7999.3	8472.4	9118.6	9806.5	10641.7	11443.2	12364.2	13245.4	14243.0	15208.4	16227.3
32.5°	6337.6	6698.1	7206.1	7787.8	8558.4	9321.3	10198.3	11049.1	12031.4	13006.6	14066.3
35°	5033.2	5314.3	5701.7	6155.6	6808.2	7466.0	8241.6	9015.2	9931.7	10857.1	11887.1
37.5°	3969.0	4197.1	4500.4	4841.4	5364.8	5904.6	6540.6	7182.0	7978.4	8798.7	9732.1
40°	3099.3	3284.0	3520.2	3774.5	4169.7	4585.6	5077.5	5574.9	6214.6	6885.1	7657.6
42.5°	2434.8	2571.0	2737.8	2923.6	3292.5	3513.2	3846.8	4206.5	4676.9	5163.6	5744.4
45°	1955.3	2048.3	2164.0	2288.6	2459.8	2647.0	2875.5	3115.1	3561.9	3781.0	4134.3
47.5°	1632.9	1695.3	1768.9	1847.4	1948.4	2057.3	2192.8	2331.3	2510.4	2696.1	2913.8
50°	1415.8	1479.2	1504.4	1545.1	1603.6	1665.8	1742.2	1818.5	1914.6	2012.0	2124.0
52.5°	1254.5	1275.2	1302.8	1328.6	1364.8	1435.6	1458.5	1498.5	1552.4	1605.0	1663.8
55°	1131.5	1144.9	1162.8	1178.4	1200.4	1221.2	1251.4	1278.0	1314.0	1345.7	1384.7
57.5°	1035.7	1044.2	1056.7	1067.0	1081.0	1092.9	1110.6	1125.0	1145.6	1163.6	1187.4
60°	966.1	971.8	980.2	986.8	995.8	1002.0	1010.8	1017.6	1028.5	1037.6	1050.8
62.5°	909.2	912.2	917.6	921.5	927.3	930.4	935.1	938.0	944.1	948.6	956.0
65°	841.1	841.7	845.3	847.0	851.5	853.2	857.0	858.3	863.3	866.7	873.2
67.5°	785.1	783.6	783.7	782.3	783.0	781.6	782.0	780.6	782.6	783.7	788.6
70°	734.1	731.9	731.2	728.9	728.1	725.7	725.0	722.9	722.6	721.9	723.7
72.5°	684.4	683.8	683.9	682.3	682.1	680.5	680.6	679.5	680.7	681.2	683.4
75°	627.2	627.4	628.4	627.0	627.5	626.0	626.6	625.2	625.9	625.7	627.9
77.5°	557.6	559.2	562.2	561.6	562.6	561.1	561.7	559.9	560.4	559.2	560.1
80°	479.3	482.7	486.8	486.7	488.3	487.3	488.8	487.1	487.8	485.7	485.1
82.5°	386.3	389.2	393.6	393.8	397.6	398.3	402.5	402.3	405.0	403.3	402.1
85°	264.1	266.1	269.9	272.0	275.9	278.3	282.4	284.1	281.2	286.5	282.2
87.5°	137.9	143.0	140.2	146.9	145.3	152.0	150.6	156.8	155.6	161.0	160.3
90°	76.0	78.0	83.6	85.8	92.3	95.1	96.2	92.9	93.7	90.6	91.5
92.5°	80.9	86.8	92.4	98.1	103.7	109.5	104.2	98.9	93.7	88.5	83.1
95°	110.1	118.4	126.7	135.1	143.4	151.7	142.8	133.9	125.0	116.1	107.2
97.5°	129.4	138.3	147.2	156.1	165.1	174.0	163.5	153.0	142.5	132.1	121.5
100°	183.1	200.4	217.6	234.9	252.1	269.3	249.8	230.1	210.6	190.9	171.3
102.5°	369.4	408.9	448.4	488.1	527.6	567.1	525.5	484.0	442.2	400.6	358.9
105°	690.8	754.1	817.4	880.6	943.9	1007.3	939.8	872.2	804.7	737.2	669.6
107.5°	1018.8	1080.3	1142.2	1203.8	1265.6	1327.4	1259.0	1190.4	1122.0	1053.3	984.8
110°	1207.0	1244.0	1281.2	1318.3	1355.2	1392.5	1342.4	1292.5	1242.4	1192.3	1142.4



TEST NUMBER: P1444671
 CATALOG NUMBER: EHBR1-30-UNV-TA-L930-UPL36

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	1242.9	1261.6	1279.9	1298.7	1317.1	1335.7	1299.9	1264.3	1228.3	1192.6	1156.7
115°	1166.1	1171.9	1177.9	1183.7	1189.6	1195.5	1171.3	1147.2	1123.0	1098.9	1074.5
117.5°	1024.6	1023.7	1022.4	1021.4	1020.2	1019.1	1005.5	991.9	978.4	964.7	951.1
120°	881.3	876.3	871.2	866.1	861.0	855.9	850.1	844.3	838.4	832.5	826.6
122.5°	756.5	753.1	749.4	745.8	742.1	738.5	736.2	733.9	731.5	729.2	726.7
125°	657.8	657.5	657.2	656.9	656.5	656.2	654.9	653.7	652.3	651.2	649.7
127.5°	590.0	592.1	593.9	596.0	597.8	599.8	599.4	598.9	598.5	598.0	597.6
130°	547.5	551.3	554.8	558.3	561.8	565.5	564.5	563.8	563.0	562.2	561.5
132.5°	521.4	525.6	529.8	534.1	538.2	542.3	541.3	540.5	539.3	538.5	537.4
135°	503.3	507.4	511.2	515.3	519.1	523.0	521.9	520.7	519.4	518.3	517.1
137.5°	490.2	493.5	496.5	499.7	502.7	505.8	504.5	503.3	502.1	501.0	499.8
140°	480.0	482.5	484.9	487.4	489.7	492.1	490.6	489.2	487.7	486.3	484.7
142.5°	471.6	473.4	475.0	476.9	478.5	480.4	478.4	476.5	474.4	472.6	470.6
145°	466.5	467.8	468.8	469.9	470.8	472.0	469.6	467.6	465.2	463.1	460.8
147.5°	458.8	459.6	460.0	460.7	461.1	461.8	459.6	457.6	455.5	453.3	451.2
150°	450.4	451.1	451.5	452.2	452.6	453.2	451.0	448.9	446.5	444.4	442.3
152.5°	440.0	440.6	441.0	441.5	442.0	442.5	440.3	438.4	436.3	434.2	432.1
155°	432.2	432.6	432.8	433.2	433.3	433.5	431.8	430.2	428.5	426.7	424.9
157.5°	426.9	427.3	427.6	427.7	427.9	428.2	426.8	425.5	424.1	422.8	421.5
160°	423.3	423.6	423.8	424.0	424.3	424.3	423.1	422.2	421.1	419.9	418.7
162.5°	422.0	422.6	422.9	423.4	423.7	424.1	422.8	421.5	420.2	418.8	417.5
165°	420.8	421.1	421.3	421.6	421.7	421.9	421.0	420.1	419.1	418.3	417.2
167.5°	422.0	422.4	422.6	422.8	422.9	423.1	422.2	421.3	420.4	419.4	418.4
170°	421.9	422.2	422.7	423.1	423.4	423.6	423.0	422.3	421.5	420.8	419.9
172.5°	423.9	424.3	424.4	424.9	425.1	425.4	424.7	423.9	423.2	422.4	421.5
175°	422.7	422.8	422.9	422.9	422.9	423.0	422.4	421.8	421.2	420.6	420.0
177.5°	423.7	423.7	423.7	423.6	423.6	423.6	423.2	422.8	422.4	422.0	421.5
180°	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6



TEST NUMBER: P1444671
 CATALOG NUMBER: EHBR1-30-UNV-TA-L930-UPL36

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5	23418.5
2.5°	23565.6	23555.4	23548.8	23540.4	23535.3	23528.7	23523.9	23519.9	23516.6	23513.6	23511.3
5°	23897.0	23844.3	23803.5	23759.2	23722.8	23686.6	23658.6	23635.4	23619.5	23607.4	23600.4
7.5°	24318.9	24222.5	24136.7	24046.5	23965.6	23886.0	23817.4	23758.3	23713.9	23685.2	23667.8
10°	24695.7	24566.6	24439.0	24304.6	24177.1	24053.5	23939.6	23839.2	23759.8	23707.1	23676.2
12.5°	24864.6	24754.6	24624.2	24478.3	24322.2	24164.2	24010.2	23871.4	23754.8	23676.7	23631.5
15°	24715.8	24670.7	24582.3	24469.0	24320.8	24157.4	23976.7	23806.8	23650.4	23549.1	23490.3
17.5°	24231.9	24295.0	24288.2	24244.9	24138.4	24000.9	23816.7	23625.8	23430.3	23294.7	23220.8
20°	23415.4	23613.5	23713.9	23765.5	23723.7	23634.5	23467.7	23274.1	23046.1	22869.2	22761.2
22.5°	22268.0	22617.6	22835.5	22995.0	23028.8	22998.4	22851.1	22666.9	22412.9	22200.2	22040.8
25°	20790.7	21303.0	21647.5	21917.5	22022.3	22049.4	21924.1	21740.9	21457.7	21209.9	20991.0
27.5°	19050.8	19716.5	20176.4	20539.2	20702.9	20773.9	20658.6	20471.6	20136.5	19840.9	19554.8
30°	17092.1	17881.8	18435.4	18870.5	19070.1	19163.9	19041.3	18832.7	18442.8	18087.0	17726.6
32.5°	14995.5	15859.7	16463.0	16935.5	17133.2	17221.5	17061.2	16826.8	16376.2	15957.0	15536.7
35°	12800.4	13672.7	14281.1	14741.0	14906.8	14960.0	14754.9	14484.0	13984.8	13524.7	13066.5
37.5°	10560.6	11372.3	11925.2	12337.9	12440.5	12449.7	12202.6	11903.5	11378.8	10925.1	10468.9
40°	8340.3	9024.7	9471.2	9801.5	9837.1	9805.3	9536.8	9235.7	8744.8	8338.4	7937.9
42.5°	6248.8	6765.4	7083.9	7310.3	7296.8	7234.1	6987.9	6729.1	6324.1	6014.5	5699.4
45°	4456.9	4797.6	4983.9	5116.3	5073.8	5014.0	4822.3	4641.0	4365.7	4165.7	3954.0
47.5°	3096.3	3503.1	3432.3	3691.3	3468.1	3615.5	3308.6	3139.4	2993.3	2887.1	2767.4
50°	2216.6	2309.9	2354.9	2385.7	2369.4	2346.6	2291.6	2242.3	2175.5	2126.9	2070.2
52.5°	1711.9	1758.5	1784.0	1802.5	1798.9	1790.6	1766.6	1744.6	1713.4	1692.8	1667.9
55°	1450.1	1450.7	1497.6	1477.5	1507.3	1472.4	1486.2	1447.5	1453.8	1420.6	1398.3
57.5°	1204.9	1224.1	1232.6	1240.9	1238.6	1237.2	1227.8	1223.2	1212.7	1209.5	1202.0
60°	1059.9	1069.9	1072.0	1075.8	1072.6	1071.3	1064.1	1061.4	1054.4	1053.1	1048.2
62.5°	960.5	965.5	965.5	965.5	961.4	957.4	949.3	945.1	939.1	937.7	934.9
65°	877.5	882.8	883.7	884.7	881.7	878.6	871.4	866.9	860.8	858.3	855.0
67.5°	791.8	797.5	799.4	802.2	800.5	799.9	795.0	793.2	789.1	788.1	785.1
70°	724.5	726.9	726.7	726.6	722.8	719.4	713.8	711.1	706.9	706.0	703.2
72.5°	684.5	686.2	685.1	683.7	678.7	673.7	667.1	662.2	656.7	653.2	649.3
75°	628.2	630.4	629.0	628.0	623.6	620.3	615.0	612.3	608.4	607.3	604.5
77.5°	559.0	560.1	557.9	557.6	554.2	552.1	548.1	547.4	544.6	544.6	542.0
80°	482.0	481.4	477.8	477.1	473.7	472.8	469.7	469.9	467.7	468.6	466.8
82.5°	396.6	394.5	389.7	388.3	384.4	384.1	381.9	383.7	382.3	384.4	383.2
85°	284.3	284.8	282.8	282.8	281.6	282.0	281.8	283.1	283.3	285.2	285.1
87.5°	158.4	160.8	160.3	162.4	162.3	164.7	165.4	168.9	169.3	172.5	172.5
90°	88.4	89.6	86.4	87.7	86.3	88.8	88.0	90.5	89.2	91.3	89.2
92.5°	77.9	72.6	67.5	62.1	59.4	56.7	54.4	51.4	48.9	46.2	43.5
95°	98.3	89.4	80.5	71.6	68.5	65.4	62.4	59.3	56.2	53.2	50.2
97.5°	110.9	100.4	89.9	79.4	76.7	74.1	71.4	68.8	66.1	63.5	60.9
100°	151.6	132.0	112.4	92.7	90.5	88.2	86.0	83.8	81.5	79.2	77.0
102.5°	317.2	275.5	233.7	192.0	184.1	176.3	168.3	160.4	152.5	144.6	136.7
105°	602.1	534.4	466.9	399.2	377.8	356.3	334.8	313.2	291.8	270.3	248.8
107.5°	916.2	847.6	778.9	710.3	670.8	631.0	591.4	551.5	512.0	472.1	432.5
110°	1092.3	1042.1	992.0	941.8	909.9	878.0	846.0	814.0	782.0	749.9	717.9



TEST NUMBER: P1444671
 CATALOG NUMBER: EHBR1-30-UNV-TA-L930-UPL36

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1120.9	1085.0	1049.1	1013.0	998.6	984.1	969.6	955.1	940.6	926.0	911.5
115°	1050.3	1026.1	1001.7	977.3	972.2	967.1	962.0	956.7	951.6	946.3	941.0
117.5°	937.5	923.8	910.1	896.4	897.2	898.0	898.7	899.4	900.1	900.8	901.4
120°	820.7	814.8	808.9	802.9	807.3	811.6	815.8	820.0	824.2	828.3	832.4
122.5°	724.4	722.0	719.7	717.1	722.4	727.5	732.6	737.8	742.8	747.7	752.6
125°	648.6	647.1	645.9	644.4	649.7	654.9	660.2	665.1	670.3	675.1	680.1
127.5°	597.2	596.7	596.2	595.6	599.5	603.0	606.7	610.2	613.7	617.0	620.3
130°	560.6	559.7	559.0	558.1	561.5	564.8	568.1	571.0	574.3	577.1	580.0
132.5°	536.5	535.4	534.5	533.4	535.8	538.1	540.4	542.4	544.6	546.4	548.3
135°	516.0	514.7	513.5	512.2	514.5	516.6	518.7	520.6	522.6	524.2	526.0
137.5°	498.5	497.3	496.0	494.8	496.8	498.7	500.6	502.2	503.8	505.4	506.8
140°	483.4	481.7	480.5	478.9	480.7	482.2	483.9	485.4	486.9	488.2	489.5
142.5°	468.7	466.6	464.9	462.9	464.0	465.2	466.3	467.4	468.6	469.5	470.3
145°	458.7	456.3	454.2	451.8	452.8	453.7	454.7	455.6	456.2	456.8	457.5
147.5°	449.2	446.9	444.7	442.5	443.4	444.0	444.6	445.0	445.7	446.1	446.5
150°	440.0	437.6	435.3	433.1	433.7	434.2	434.7	435.2	435.8	436.0	436.5
152.5°	430.0	427.8	425.7	423.5	423.9	424.3	424.7	425.1	425.5	425.8	426.1
155°	423.0	421.2	419.4	417.6	418.0	418.4	418.7	419.0	419.3	419.5	419.7
157.5°	420.1	418.5	417.2	415.6	415.7	415.8	416.1	415.9	416.0	415.9	415.9
160°	417.6	416.3	415.1	413.8	413.8	413.8	414.0	413.8	413.8	413.7	413.7
162.5°	416.1	414.6	413.1	411.6	411.6	411.8	411.8	411.7	411.8	411.6	411.5
165°	416.3	415.3	414.2	413.0	413.0	412.8	412.7	412.4	412.2	411.9	411.6
167.5°	417.3	416.3	415.2	414.1	414.2	414.4	414.4	414.3	414.4	414.2	414.2
170°	419.1	418.2	417.4	416.5	416.3	416.3	416.1	415.9	415.6	415.4	415.2
172.5°	420.6	419.8	418.9	417.9	417.9	417.9	417.7	417.6	417.4	417.2	417.1
175°	419.3	418.7	417.9	417.3	417.2	417.1	417.1	417.0	416.8	416.7	416.5
177.5°	421.2	420.7	420.2	419.7	419.6	419.6	419.5	419.5	419.5	419.4	419.3
180°	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6



TEST NUMBER: P1444671
 CATALOG NUMBER: EHBR1-30-UNV-TA-L930-UPL36

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	23418.5	23418.5
2.5°	23509.2	23508.0
5°	23596.7	23595.2
7.5°	23663.1	23662.7
10°	23670.9	23675.0
12.5°	23623.7	23627.0
15°	23485.8	23492.2
17.5°	23222.1	23230.6
20°	22767.8	22776.6
22.5°	22032.2	22035.8
25°	20962.6	20947.5
27.5°	19504.5	19478.4
30°	17651.0	17625.7
32.5°	15440.9	15425.2
35°	12953.2	12943.3
37.5°	10334.1	10313.9
40°	7791.5	7732.3
42.5°	5561.3	5457.5
45°	3843.4	3720.2
47.5°	2683.0	2606.9
50°	2033.7	2009.2
52.5°	1657.1	1651.4
55°	1398.2	1395.7
57.5°	1203.7	1202.8
60°	1050.8	1050.6
62.5°	936.9	937.3
65°	856.6	856.7
67.5°	785.9	785.4
70°	704.3	703.6
72.5°	647.9	647.1
75°	604.5	604.0
77.5°	542.8	541.8
80°	467.9	466.8
82.5°	384.9	383.5
85°	287.1	287.2
87.5°	175.6	175.6
90°	91.1	88.7
92.5°	41.1	38.6
95°	47.1	44.1
97.5°	58.3	55.6
100°	74.8	72.5
102.5°	128.9	120.9
105°	227.3	205.9
107.5°	392.7	353.1
110°	685.9	653.9



TEST NUMBER: P1444671
CATALOG NUMBER: EHBR1-30-UNV-TA-L930-UPL36

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	896.8	882.2
115°	935.6	930.3
117.5°	901.9	902.5
120°	836.3	840.3
122.5°	757.3	762.0
125°	684.8	689.6
127.5°	623.4	626.5
130°	582.4	585.2
132.5°	550.0	551.5
135°	527.3	528.7
137.5°	507.9	509.2
140°	490.4	491.5
142.5°	471.0	471.6
145°	458.0	458.5
147.5°	446.5	446.9
150°	436.6	436.8
152.5°	426.1	426.4
155°	419.7	419.9
157.5°	415.6	415.5
160°	413.4	413.3
162.5°	411.3	411.3
165°	411.2	410.8
167.5°	414.0	414.0
170°	414.9	414.7
172.5°	416.9	416.7
175°	416.4	416.3
177.5°	419.3	419.1
180°	421.6	421.6

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-5

Test Date: 08/01/2025

Luminaire Tested: EHBR-60-L930-N

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

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-5
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 08/05/2025
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: Metalux
 Catalog Number: **EHBR-60-L930-N**
 Description: Elevate Round Highbay at, 60000 lumens, 3000K 90CRI LEDs with N lens

Spectral Parameters

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

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



Test Conditions

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

REPORT NUMBER: SP1-2506-472-5

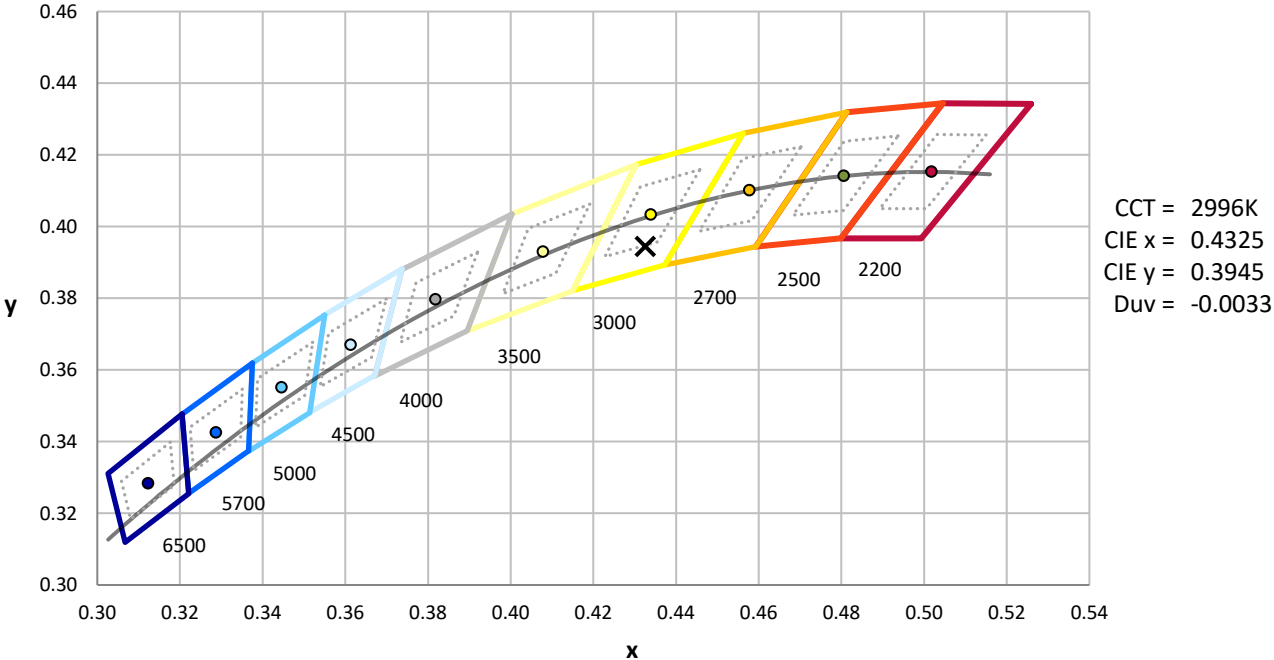
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208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

REPORT NUMBER: SP1-2506-472-5

CIE 1931 Chromaticity Diagram



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

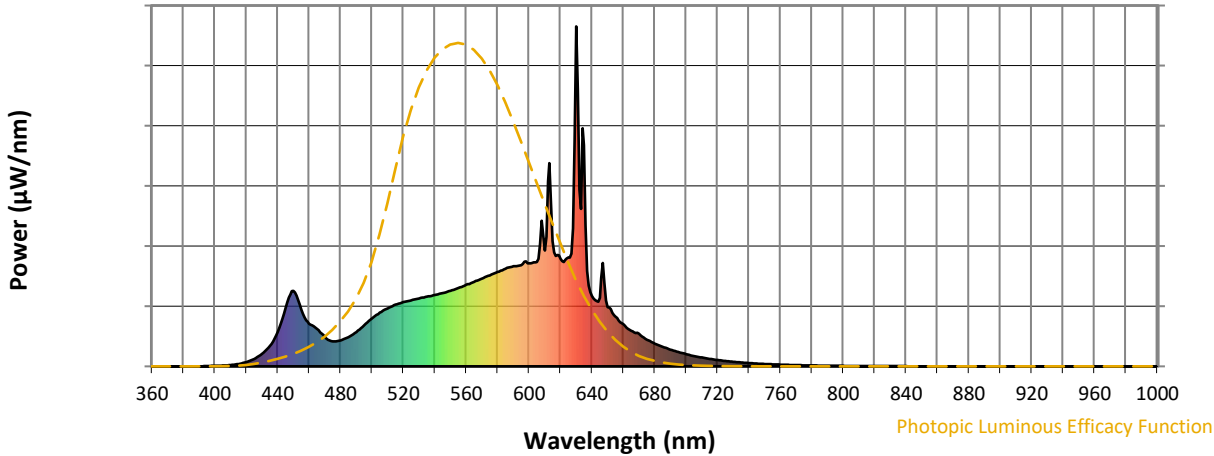


CCT = 2996K
 CIE x = 0.4325
 CIE y = 0.3945
 Duv = -0.0033

Point lies inside the ANSI 3000K 7-step quadrangle

REPORT NUMBER: SP1-2506-472-5

Photopic Flux vs. Wavelength



Photopic Lumens: NR

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

REPORT NUMBER: SP1-2506-472-5

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.44

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

REPORT NUMBER: SP1-2506-472-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.85

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

Summary

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



Color Vector Graphics

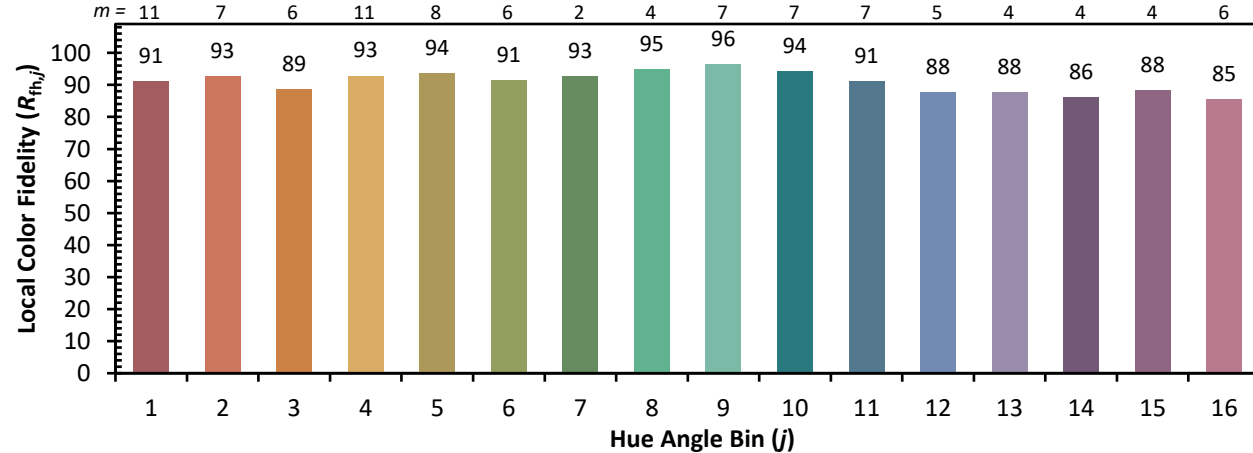


Individual Sample Fidelity Index ($R_{f,i}$)

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



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)