

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: P1444738

Luminaire Tested: EHBR1-30-UNV-TA-L935-UPL12

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444738
REPORT IS A COMBINATION OF REPORTS P1444303 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-30-UNV-TA-L935-UPL12
Description: Elevate Round Highbay at, 30000 lumens, 3500K 90CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

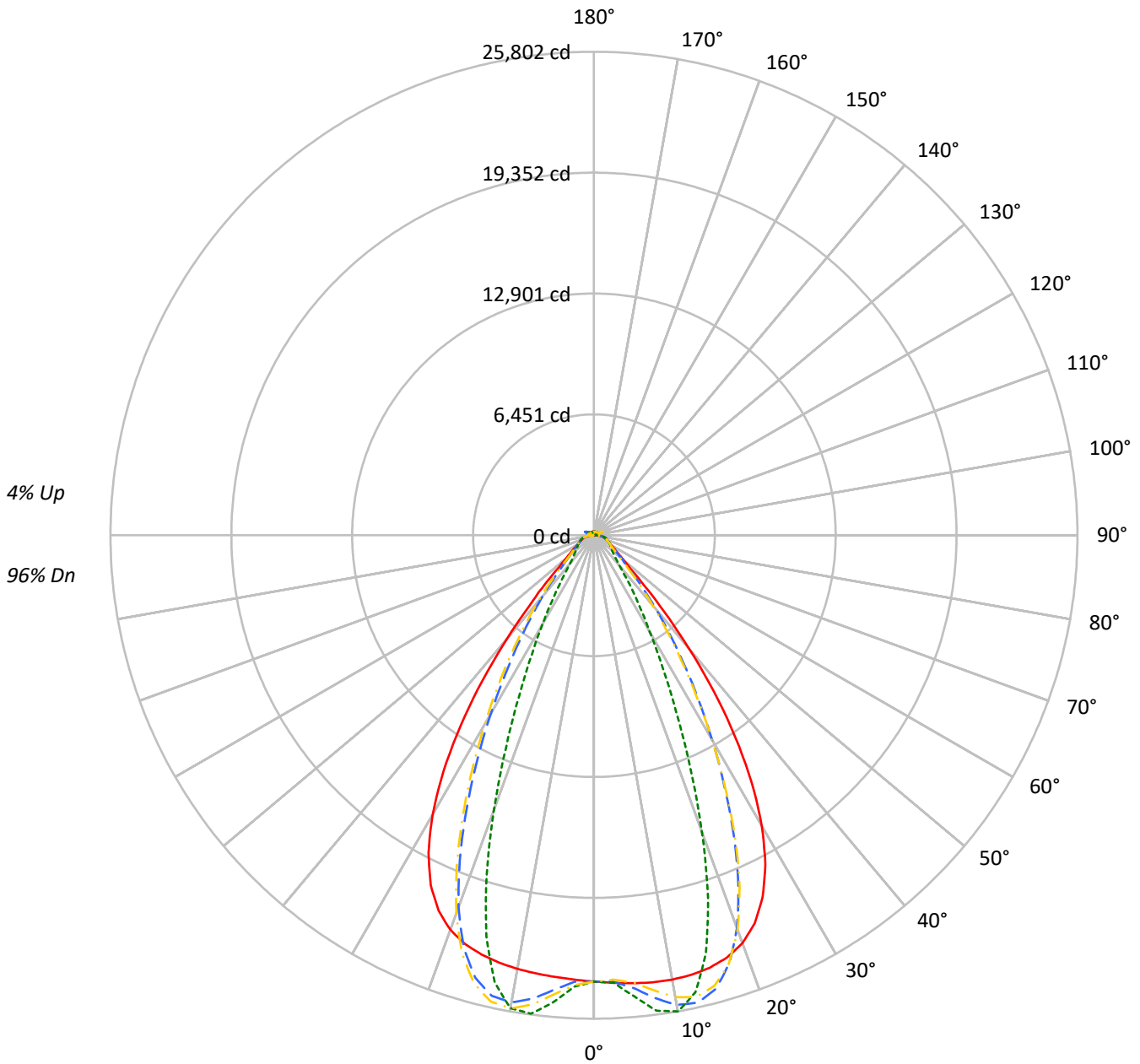
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28670.8 lumens
Efficiency: N/A
Efficacy: 171.5 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 0.77 / 0.88
Luminous Opening: Vertical Cylinder (Dia: 1.71' x H: 0.1')
CIE Type: Direct

Input Watts (W): 167.2
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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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	98	98	98	96
1	111	107	104	102	108	105	102	100	100	98	96	95	94	92	91	90	89	89	89	89	86
2	104	98	93	89	101	96	92	88	92	88	85	88	85	83	85	82	80	80	80	80	78
3	98	90	84	80	95	88	83	79	85	81	77	82	78	75	79	76	73	73	73	73	71
4	92	83	77	72	90	82	76	71	79	74	70	76	72	69	74	70	67	67	67	67	65
5	87	77	70	65	85	76	70	65	73	68	64	71	67	63	69	65	62	62	62	62	60
6	82	72	65	60	80	71	64	60	69	63	59	67	62	58	65	61	57	57	57	57	56
7	77	67	60	55	76	66	60	55	64	59	55	63	58	54	61	57	53	53	53	53	52
8	73	63	56	51	72	62	56	51	60	55	51	59	54	50	58	53	50	50	50	50	48
9	69	59	52	48	68	58	52	48	57	51	47	56	50	47	54	50	46	46	46	46	45
10	66	55	49	45	65	55	49	45	54	48	44	52	47	44	51	47	44	44	44	44	42

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	111850	111850	111850	111850
5°	112392	115669	110818	117184
10°	113330	121444	110612	120640
15°	113886	110088	110419	105655
20°	112709	82011	109020	75880
25°	106683	51868	103157	47061
30°	93196	31169	89586	28485
35°	71724	19558	67598	17325
40°	45372	12268	41512	11529
45°	23386	9558	22998	9401
50°	13711	8501	13290	8369
55°	10504	8044	10115	7971
60°	8888	8216	8510	8110
65°	8348	8580	8029	8288
70°	8155	8984	7749	8647
75°	8720	9528	8248	9108
80°	9024	10550	8181	9630
85°	8499	10180	6867	8717

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 35788 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2347.3	8.2
10°-20°	6603.2	23.0
20°-30°	7520.5	26.2
30°-40°	5405.4	18.9
40°-50°	2493.0	8.7
50°-60°	1193.0	4.2
60°-70°	870.5	3.0
70°-80°	661.3	2.3
80°-90°	302.7	1.1
90°-100°	38.6	0.1
100°-110°	198.0	0.7
110°-120°	365.4	1.3
120°-130°	229.8	0.8
130°-140°	155.8	0.5
140°-150°	122.0	0.4
150°-160°	89.2	0.3
160°-170°	55.8	0.2
170°-180°	19.5	0.1
0°-30°	16470.9	57.4
0°-40°	21876.3	76.3
0°-60°	25562.3	89.2
0°-90°	27396.8	95.6
90°-120°	602.0	2.1
90°-150°	1109.5	3.9
90°-180°	1274.0	4.4
0°-180°	28670.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	23818	23818	23818	23818	23818	
5°	23997	24697	23662	25021	23997	2293
15°	23893	23096	23165	22166	23893	6732
25°	21304	10358	20600	9398	21304	9658
35°	13164	3590	12407	3180	13164	8079
45°	3784	1546	3721	1521	3784	3218
55°	1420	1087	1367	1077	1420	1310
65°	871	896	838	865	871	870
75°	614	671	581	642	614	639
85°	292	350	236	300	292	274
90°	74	95	18	23	74	47
95°	18	19	18	19	18	17
105°	74	93	51	93	74	97
115°	321	384	336	384	321	297
125°	251	254	282	255	251	228
135°	209	177	224	180	209	163
145°	196	183	207	186	196	124
155°	190	187	201	190	190	89
165°	196	194	203	195	196	56
175°	204	206	208	206	204	19
180°	207	207	207	207	207	



TEST NUMBER: P1444738
 CATALOG NUMBER: EHBR1-30-UNV-TA-L935-UPL12

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7
2.5°	23908.7	23906.8	23906.4	23904.7	23904.3	23904.3	23903.5	23901.5	23900.4	23897.6	23894.5
5°	23997.4	23996.3	23997.0	23997.1	23995.5	23991.8	23985.9	23978.8	23969.8	23961.3	23953.7
7.5°	24066.0	24067.7	24069.8	24069.4	24064.1	24055.4	24043.5	24036.8	24040.7	24053.7	24083.4
10°	24078.5	24088.8	24092.8	24091.5	24081.1	24073.6	24076.5	24101.7	24151.9	24219.0	24310.6
12.5°	24029.8	24042.3	24041.8	24037.7	24027.6	24037.8	24074.4	24149.5	24257.2	24389.3	24544.4
15°	23892.6	23908.9	23904.3	23898.9	23892.2	23925.8	23998.9	24129.3	24295.6	24481.9	24672.7
17.5°	23626.5	23646.1	23636.6	23630.4	23624.8	23687.8	23813.3	24004.3	24213.8	24424.6	24605.4
20°	23164.9	23178.0	23155.3	23144.7	23153.6	23277.2	23461.9	23705.9	23926.6	24125.9	24249.6
22.5°	22411.4	22427.7	22385.2	22380.2	22432.8	22622.5	22856.3	23129.0	23336.4	23494.5	23542.1
25°	21304.5	21320.6	21269.9	21300.2	21389.7	21648.1	21926.5	22218.2	22395.2	22512.2	22480.0
27.5°	19810.5	19825.1	19777.1	19838.9	19980.4	20319.9	20647.5	20964.0	21121.7	21203.8	21099.8
30°	17926.1	17956.6	17899.8	17986.1	18202.1	18642.8	19018.2	19373.1	19530.4	19592.8	19431.1
32.5°	15688.1	15731.4	15668.9	15797.2	16098.6	16628.0	17054.5	17451.0	17624.9	17696.2	17513.5
35°	13163.9	13226.1	13154.3	13346.9	13718.6	14308.1	14780.4	15223.1	15429.1	15530.1	15346.1
37.5°	10489.7	10548.9	10510.0	10767.0	11175.1	11786.3	12268.3	12745.8	12978.5	13130.1	12985.0
40°	7864.1	7918.3	7947.7	8241.5	8625.4	9201.4	9664.4	10136.9	10397.2	10587.5	10497.9
42.5°	5550.5	5605.1	5705.1	5988.6	6308.8	6785.5	7182.1	7606.4	7855.0	8057.9	8023.5
45°	3783.7	3847.1	3972.3	4204.5	4436.0	4778.1	5069.3	5399.2	5602.3	5788.2	5790.4
47.5°	2651.4	2696.0	2807.8	2966.3	3117.3	3545.5	3563.1	3725.2	3861.8	4000.7	4018.8
50°	2043.4	2070.2	2129.5	2217.9	2303.4	2414.6	2516.3	2633.9	2717.9	2794.0	2812.2
52.5°	1679.5	1696.6	1726.7	1774.6	1824.3	1884.7	1939.2	2003.7	2049.4	2090.2	2098.7
55°	1419.5	1433.6	1478.6	1487.6	1544.4	1555.4	1579.6	1618.8	1645.3	1669.8	1675.9
57.5°	1223.3	1233.5	1243.0	1263.4	1280.9	1306.3	1326.8	1355.0	1371.7	1389.4	1390.9
60°	1068.5	1075.8	1082.6	1096.7	1108.7	1126.4	1140.4	1159.6	1171.6	1184.8	1186.4
62.5°	953.3	958.5	963.1	972.4	980.8	994.4	1005.7	1021.6	1032.9	1043.1	1045.4
65°	871.3	875.2	878.1	885.2	892.6	904.2	914.3	927.4	935.6	943.4	945.1
67.5°	798.7	802.5	805.5	811.9	817.1	825.7	832.5	842.3	848.5	854.8	854.9
70°	715.6	719.1	721.3	727.3	731.5	738.9	744.4	753.3	759.6	766.6	768.3
72.5°	658.1	660.1	663.2	668.7	674.4	682.4	689.6	698.9	706.5	713.7	716.8
75°	614.3	616.7	618.7	623.4	627.4	634.1	639.5	647.9	654.6	662.3	666.2
77.5°	551.0	553.9	555.6	560.3	563.7	570.2	574.2	581.7	587.2	594.3	597.7
80°	474.7	477.3	478.5	482.9	485.7	491.6	495.6	502.8	507.4	514.4	518.6
82.5°	390.1	392.5	393.3	397.4	398.9	403.8	406.7	414.1	419.7	428.9	435.3
85°	292.1	293.0	294.4	293.3	299.3	299.6	306.3	307.5	316.4	318.7	328.7
87.5°	178.5	181.3	182.5	186.6	188.3	192.4	193.7	198.0	200.4	205.3	207.6
90°	74.0	77.9	79.2	83.9	85.1	89.3	90.2	94.8	96.1	101.0	102.7
92.5°	15.6	16.5	17.2	18.4	19.3	20.7	21.8	22.8	23.7	25.1	26.9
95°	17.5	18.5	19.5	20.5	21.5	22.6	23.6	24.6	25.6	26.6	29.5
97.5°	21.7	22.6	23.4	24.3	25.2	26.0	26.9	27.8	28.6	29.5	33.0
100°	27.6	28.4	29.1	29.9	30.6	31.4	32.1	32.9	33.6	34.3	40.8
102.5°	44.5	47.1	49.8	52.4	55.0	57.6	60.4	62.9	65.5	68.2	81.9
105°	73.7	80.8	88.0	95.1	102.2	109.5	116.6	123.6	130.8	137.9	160.4
107.5°	123.7	136.9	150.2	163.4	176.6	189.9	203.1	216.3	229.6	242.6	265.6
110°	225.6	236.1	246.8	257.4	268.0	278.6	289.2	299.6	310.3	320.8	337.5



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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°	303.3	308.1	312.8	317.6	322.4	326.9	331.7	336.4	341.1	345.9	357.7
115°	321.2	322.7	324.5	326.0	327.6	329.2	330.7	332.2	333.8	335.2	343.1
117.5°	314.0	313.6	313.2	312.8	312.2	311.8	311.3	310.7	310.1	309.6	314.0
120°	295.6	294.0	292.5	290.7	289.0	287.2	285.6	283.8	282.0	280.1	281.9
122.5°	272.0	270.0	268.2	266.1	264.1	262.0	260.0	257.7	255.7	253.5	254.0
125°	250.6	248.5	246.7	244.5	242.4	240.4	238.2	235.9	233.7	231.4	231.6
127.5°	232.5	231.0	229.6	227.9	226.2	224.6	222.9	221.1	219.4	217.4	217.2
130°	221.7	220.5	219.1	217.5	216.0	214.3	212.6	211.0	209.4	207.5	207.3
132.5°	213.5	212.5	211.4	210.4	209.1	207.5	206.3	204.7	203.5	202.0	201.7
135°	209.0	207.9	207.0	205.8	204.6	203.3	201.9	200.5	199.1	197.7	197.6
137.5°	205.4	204.6	203.7	202.4	201.3	199.8	198.8	197.2	195.9	194.5	194.4
140°	202.2	201.4	200.5	199.4	198.3	197.1	195.8	194.6	193.2	191.9	191.8
142.5°	198.2	197.4	196.7	195.8	194.9	193.7	192.6	191.4	190.3	189.1	189.2
145°	196.0	195.4	194.8	194.0	193.0	192.0	191.1	189.9	189.0	187.9	188.0
147.5°	194.3	193.7	193.2	192.5	191.9	190.8	190.0	188.9	188.2	187.2	187.3
150°	192.8	192.2	191.9	191.1	190.4	189.5	188.7	187.9	187.1	186.1	186.3
152.5°	190.9	190.2	189.9	189.2	188.5	187.5	187.1	186.1	185.3	184.4	184.5
155°	190.5	190.0	189.3	188.8	188.1	187.4	186.6	185.9	185.2	184.3	184.5
157.5°	191.1	190.4	190.0	189.3	189.0	188.2	187.6	187.0	186.3	185.7	185.7
160°	192.5	192.0	191.4	190.9	190.3	189.6	189.1	188.4	188.0	187.2	187.3
162.5°	194.1	193.5	193.0	192.4	192.0	191.2	190.7	190.2	189.7	189.0	189.0
165°	196.1	195.8	195.3	194.9	194.5	194.0	193.6	193.0	192.6	192.1	192.1
167.5°	199.4	198.8	198.6	198.0	197.6	197.2	196.7	196.1	195.9	195.2	195.2
170°	201.5	201.0	200.8	200.6	200.2	199.8	199.6	199.2	198.8	198.5	198.5
172.5°	203.5	203.1	202.9	202.7	202.4	202.2	201.9	201.7	201.5	201.1	201.3
175°	204.3	204.0	203.9	203.7	203.7	203.5	203.4	203.2	203.2	202.9	202.9
177.5°	205.9	205.8	205.8	205.7	205.7	205.6	205.6	205.4	205.3	205.3	205.3
180°	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7
2.5°	23892.2	23889.3	23885.3	23880.3	23876.0	23870.9	23859.0	23855.5	23859.5	23862.1	23867.5
5°	23948.9	23950.7	23951.3	23962.1	23971.5	23994.9	24178.1	24250.9	24307.3	24343.0	24397.3
7.5°	24120.1	24175.2	24229.7	24302.9	24366.1	24451.5	24772.1	24908.6	25005.5	25075.3	25161.1
10°	24410.2	24530.4	24643.1	24775.1	24888.7	25018.8	25317.1	25450.1	25534.0	25595.1	25652.2
12.5°	24702.4	24869.1	25019.8	25166.8	25289.7	25402.3	25507.3	25553.9	25557.8	25559.7	25529.5
15°	24854.5	25014.0	25146.7	25243.9	25316.1	25348.0	25167.4	25072.6	24952.8	24854.1	24691.8
17.5°	24758.5	24854.1	24911.5	24905.8	24876.0	24776.0	24264.2	23982.7	23703.3	23451.4	23121.3
20°	24331.5	24324.2	24274.3	24133.0	23962.7	23697.9	22820.5	22314.3	21824.8	21394.9	20873.4
22.5°	23537.2	23412.2	23237.9	22933.2	22594.7	22132.1	20874.7	20130.0	19448.6	18846.8	18172.4
25°	22386.2	22129.1	21807.6	21323.9	20797.9	20123.1	18573.3	17647.1	16829.0	16119.5	15341.4
27.5°	20913.3	20525.9	20054.9	19385.4	18672.6	17808.2	16090.0	15067.8	14189.6	13428.9	12600.8
30°	19169.3	18665.6	18057.4	17226.4	16366.8	15386.3	13643.6	12608.3	11719.4	10936.9	10108.1
32.5°	17198.6	16608.6	15895.9	14963.2	14033.5	13025.5	11342.5	10340.4	9491.2	8738.3	7988.3
35°	15025.0	14392.2	13638.3	12687.0	11762.9	10782.8	9238.6	8335.0	7585.1	6919.6	6313.9
37.5°	12693.4	12072.1	11355.5	10458.9	9602.0	8713.9	7381.4	6624.3	5994.9	5442.6	4974.9
40°	10269.3	9725.5	9105.4	8330.3	7599.0	6859.4	5765.6	5164.5	4668.0	4246.7	3896.3
42.5°	7874.6	7453.4	6977.8	6365.3	5805.7	5242.5	4400.7	3955.3	3587.5	3284.3	3036.6
45°	5713.3	5431.5	5112.6	4686.7	4299.5	3906.7	3307.6	2994.6	2755.1	2559.5	2394.2
47.5°	3993.9	3830.4	3820.4	3426.9	3143.0	2902.8	2516.8	2319.1	2172.4	2053.9	1949.2
50°	2804.8	2725.7	2627.4	2487.1	2355.3	2219.5	1984.3	1864.9	1778.9	1707.1	1640.9
52.5°	2096.8	2055.7	2003.4	1928.9	1857.5	1781.1	1632.3	1556.3	1529.2	1462.4	1410.0
55°	1674.8	1651.2	1621.4	1577.6	1534.2	1516.8	1389.3	1332.8	1297.0	1270.7	1242.5
57.5°	1391.1	1373.6	1356.0	1326.2	1301.1	1270.7	1203.0	1174.0	1152.8	1137.2	1117.7
60°	1186.7	1176.1	1166.3	1148.9	1135.3	1118.9	1075.8	1059.5	1048.4	1039.0	1026.6
62.5°	1047.4	1041.9	1036.8	1027.6	1020.7	1011.7	982.4	974.5	969.0	964.2	956.7
65°	946.8	942.9	940.0	933.9	930.4	925.3	900.0	894.7	891.3	889.6	885.2
67.5°	855.4	851.4	849.5	845.2	843.7	840.4	819.8	816.9	815.7	816.2	814.7
70°	770.0	768.3	769.2	768.5	770.5	771.0	758.5	758.4	759.8	762.4	762.7
72.5°	718.8	718.8	719.8	720.2	722.1	723.0	712.6	712.0	712.6	714.5	714.6
75°	670.0	670.9	673.5	674.4	676.6	677.0	663.3	661.7	661.8	663.6	663.0
77.5°	602.6	605.5	610.6	613.2	617.5	618.2	602.8	601.0	601.1	602.9	601.3
80°	526.1	531.7	539.7	545.2	551.8	554.4	538.5	534.7	531.2	530.7	527.5
82.5°	444.8	451.6	461.2	466.2	473.2	474.8	448.3	443.2	440.2	440.5	437.6
85°	339.6	344.7	353.5	356.3	360.6	360.3	329.9	316.9	320.3	314.9	319.2
87.5°	213.0	216.0	221.5	222.1	224.2	223.8	193.2	187.2	185.4	185.5	183.4
90°	107.8	109.9	114.8	115.0	118.4	118.1	93.5	90.8	88.5	89.5	86.4
92.5°	29.1	30.8	32.9	34.7	36.8	38.7	37.9	38.9	37.3	35.2	33.6
95°	32.4	35.4	38.4	41.3	44.3	47.3	50.3	53.3	50.5	47.7	44.9
97.5°	36.5	40.1	43.5	46.9	50.5	54.0	57.6	61.1	58.1	54.9	51.9
100°	47.4	53.9	60.5	67.1	73.6	80.1	86.7	93.3	87.6	81.6	75.9
102.5°	95.8	109.7	123.5	137.4	151.3	165.1	179.2	193.1	179.8	166.5	153.2
105°	182.9	205.5	227.9	250.2	272.7	295.3	318.0	340.5	319.3	298.1	277.0
107.5°	288.3	311.1	333.8	356.5	379.3	402.0	425.2	448.1	427.3	406.5	385.9
110°	354.1	370.6	387.2	403.8	420.3	436.9	454.0	470.6	458.1	445.6	433.0



TEST NUMBER: P1444738
 CATALOG NUMBER: EHBR1-30-UNV-TA-L935-UPL12

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	369.4	381.3	393.1	404.7	416.4	428.1	440.7	452.7	446.3	439.8	433.4
115°	350.9	358.9	366.6	374.5	382.4	390.1	398.9	406.9	404.8	402.5	400.2
117.5°	318.2	322.6	326.8	331.1	335.2	339.4	344.9	349.4	349.4	349.5	349.6
120°	283.5	285.1	286.7	288.4	289.8	291.4	294.5	296.4	297.7	299.0	300.4
122.5°	254.4	254.8	255.1	255.5	255.9	256.2	258.3	259.0	259.8	260.6	261.4
125°	231.6	231.5	231.5	231.5	231.4	231.3	233.3	233.6	233.4	232.9	232.7
127.5°	217.0	216.6	216.3	216.0	215.5	215.2	216.9	217.0	216.0	214.8	213.6
130°	207.1	206.9	206.6	206.3	206.0	205.9	207.8	208.1	206.5	204.6	203.0
132.5°	201.5	201.4	201.0	200.9	200.7	200.4	202.7	203.0	201.2	199.2	197.4
135°	197.3	197.1	197.0	196.9	196.7	196.6	199.1	199.6	197.9	195.9	194.0
137.5°	194.0	194.0	193.8	193.8	193.6	193.5	196.2	196.8	195.4	193.7	192.2
140°	191.8	191.6	191.6	191.6	191.6	191.7	194.7	195.3	194.1	192.9	191.6
142.5°	189.2	189.3	189.4	189.7	189.8	190.1	193.6	194.5	193.5	192.4	191.4
145°	188.1	188.4	188.6	189.0	189.2	189.6	193.5	194.7	194.0	193.2	192.5
147.5°	187.2	187.6	187.8	188.1	188.3	188.9	193.0	194.2	193.8	193.1	192.7
150°	186.3	186.7	186.9	187.2	187.7	188.2	193.0	194.4	194.0	193.5	193.0
152.5°	184.7	185.0	185.2	185.4	185.7	186.3	192.1	193.7	193.4	192.9	192.6
155°	184.5	184.6	184.7	184.9	185.1	185.5	192.0	193.6	193.3	193.0	192.8
157.5°	185.7	185.6	185.5	185.7	185.8	185.9	192.8	194.7	194.3	194.0	193.8
160°	187.2	187.2	187.0	187.1	187.0	187.1	194.1	195.9	195.8	195.4	195.1
162.5°	189.0	189.2	189.2	189.2	189.2	189.4	196.5	198.5	198.0	197.7	197.4
165°	192.1	191.9	191.8	191.9	191.8	191.8	198.5	200.2	200.0	199.7	199.4
167.5°	195.0	195.1	195.1	195.1	195.1	195.3	201.5	203.1	202.9	202.6	202.4
170°	198.4	198.5	198.5	198.6	198.7	198.8	204.0	205.4	205.2	204.7	204.6
172.5°	201.4	201.6	201.7	201.7	201.8	202.0	206.5	207.6	207.5	207.2	206.9
175°	203.0	203.1	203.2	203.4	203.5	203.7	207.1	208.0	207.9	207.7	207.5
177.5°	205.5	205.5	205.6	205.7	205.9	206.0	208.2	208.7	208.6	208.6	208.5
180°	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1



TEST NUMBER: P1444738
 CATALOG NUMBER: EHBR1-30-UNV-TA-L935-UPL12

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7
2.5°	23868.8	23877.2	23878.4	23888.2	23887.5	23899.1	23897.3	23906.8	23901.2	23909.1	23902.4
5°	24429.5	24480.3	24506.9	24556.4	24572.1	24616.5	24629.1	24669.6	24671.3	24703.5	24696.1
7.5°	25222.1	25296.9	25341.4	25402.8	25433.9	25485.0	25507.5	25545.2	25557.5	25587.5	25589.7
10°	25695.3	25731.7	25757.1	25774.3	25789.9	25797.2	25805.7	25803.5	25805.7	25802.4	25809.7
12.5°	25509.2	25456.1	25420.9	25354.4	25315.8	25242.3	25206.1	25135.4	25109.8	25049.0	25040.2
15°	24566.3	24381.2	24250.3	24060.0	23940.4	23753.2	23643.7	23474.7	23397.6	23263.4	23228.1
17.5°	22847.8	22504.2	22238.1	21896.8	21660.0	21341.1	21140.5	20876.5	20731.9	20519.0	20445.3
20°	20438.7	19930.1	19531.0	19055.7	18715.4	18291.5	18020.3	17678.0	17479.3	17217.8	17111.9
22.5°	17610.2	16976.9	16478.6	15917.0	15506.6	15034.2	14709.1	14338.8	14122.6	13838.6	13712.8
25°	14694.9	13996.5	13442.5	12850.8	12417.2	11943.6	11618.4	11254.7	11031.0	10761.3	10636.3
27.5°	11906.6	11199.8	10664.3	10114.2	9716.4	9289.1	8995.8	8678.1	8479.6	8249.4	8131.9
30°	9446.1	8822.7	8367.0	7910.4	7579.5	7232.5	6988.7	6725.5	6551.3	6354.2	6242.2
32.5°	7441.4	6960.1	6603.3	6241.1	5970.3	5680.2	5469.5	5237.3	5080.1	4904.1	4802.6
35°	5893.5	5519.5	5235.0	4936.8	4704.0	4457.1	4271.4	4071.0	3929.9	3778.4	3690.8
37.5°	4656.4	4359.1	4124.9	3877.2	3686.1	3481.5	3412.6	3182.6	3036.4	2915.4	2831.6
40°	3654.4	3417.9	3224.2	3034.8	2878.9	2723.7	2599.2	2476.3	2381.9	2295.4	2235.6
42.5°	2853.8	2682.5	2541.0	2402.2	2288.5	2175.5	2085.2	2000.5	1937.0	1880.5	1841.8
45°	2268.6	2150.8	2052.5	1954.8	1874.6	1799.1	1738.3	1684.3	1643.3	1609.3	1585.2
47.5°	1863.8	1783.1	1713.7	1647.8	1593.3	1543.8	1503.1	1489.9	1445.8	1416.0	1404.7
50°	1583.9	1535.2	1482.5	1433.9	1397.5	1361.3	1334.9	1309.1	1292.5	1278.8	1274.8
52.5°	1375.1	1337.8	1308.6	1277.7	1253.7	1228.0	1209.8	1192.5	1183.5	1176.3	1175.4
55°	1219.8	1193.8	1174.3	1153.7	1139.3	1124.2	1114.8	1105.7	1101.7	1098.1	1098.4
57.5°	1102.4	1085.0	1072.3	1058.9	1051.2	1043.9	1041.6	1039.2	1040.5	1041.0	1043.0
60°	1016.7	1005.4	997.5	989.8	986.5	984.2	986.0	988.0	992.2	995.5	998.5
62.5°	951.1	944.7	940.8	936.7	936.3	936.5	940.0	943.4	948.7	952.6	955.5
65°	883.6	879.9	878.7	876.0	877.3	878.1	882.4	885.0	890.2	893.3	897.0
67.5°	815.3	814.5	815.2	815.2	817.7	819.7	823.8	826.8	831.2	834.0	837.0
70°	764.9	765.3	767.2	767.5	770.1	771.5	775.0	777.0	780.9	783.3	787.0
72.5°	716.0	715.2	715.6	714.5	715.4	715.0	716.9	717.9	721.3	723.2	727.5
75°	663.8	661.6	661.1	658.7	658.8	657.1	657.9	657.8	660.0	660.9	664.1
77.5°	600.8	597.1	595.3	591.3	591.2	589.7	591.3	592.3	596.2	598.0	601.6
80°	525.4	519.6	516.9	512.3	513.2	512.9	516.7	519.7	524.4	525.3	529.9
82.5°	436.7	430.8	428.0	423.4	424.5	424.6	428.1	428.7	432.9	434.7	439.9
85°	312.7	314.9	308.7	309.1	307.8	310.2	312.7	315.7	319.1	324.8	329.3
87.5°	184.2	183.4	185.5	185.8	189.0	190.7	195.8	198.7	204.5	208.9	217.1
90°	86.4	83.3	84.8	83.7	86.6	85.6	88.3	86.6	90.0	90.2	94.4
92.5°	31.4	29.7	27.6	25.8	23.7	22.2	20.9	20.4	19.2	18.7	17.5
95°	42.1	39.3	36.6	33.8	31.1	28.3	27.3	26.3	25.2	24.2	23.2
97.5°	48.9	46.0	43.1	40.0	37.0	34.0	33.4	32.6	32.0	31.3	30.6
100°	70.0	64.3	58.5	52.7	46.9	41.1	40.6	40.1	39.5	39.0	38.4
102.5°	140.0	126.7	113.6	100.2	87.1	73.9	71.6	69.2	67.0	64.7	62.4
105°	255.7	234.5	213.3	192.1	171.0	149.8	143.6	137.0	130.8	124.4	118.2
107.5°	365.2	344.4	323.7	303.2	282.5	261.8	251.8	241.9	231.7	221.8	211.9
110°	420.4	407.9	395.5	382.9	370.5	358.1	348.5	339.0	329.4	319.8	310.3



TEST NUMBER: P1444738
 CATALOG NUMBER: EHBR1-30-UNV-TA-L935-UPL12

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	427.0	420.6	414.3	407.9	401.7	395.3	390.6	385.9	381.3	376.6	371.8
115°	398.0	395.8	393.6	391.4	389.4	387.2	386.7	386.5	385.9	385.6	385.3
117.5°	349.6	349.7	349.7	349.8	350.0	350.2	352.5	354.7	357.1	359.6	362.1
120°	301.7	303.0	304.3	305.7	307.1	308.6	311.6	314.8	317.8	321.2	324.6
122.5°	262.1	262.8	263.6	264.6	265.3	266.2	269.1	272.2	275.2	278.3	281.8
125°	232.1	231.7	231.4	230.9	230.5	230.3	232.6	235.0	237.5	240.1	242.6
127.5°	212.4	211.2	209.9	208.8	207.5	206.5	207.6	208.9	210.1	211.4	212.9
130°	201.1	199.4	197.5	195.9	193.9	192.2	192.5	192.7	193.0	193.3	193.6
132.5°	195.3	193.4	191.3	189.3	187.3	185.3	184.8	184.4	183.9	183.6	183.4
135°	192.1	190.3	188.2	186.3	184.3	182.5	181.6	180.8	180.1	179.4	178.7
137.5°	190.6	189.1	187.5	186.0	184.2	182.6	181.5	180.6	179.5	178.9	177.9
140°	190.1	189.0	187.4	186.1	184.8	183.5	182.4	181.7	180.8	180.2	179.4
142.5°	190.2	189.2	188.2	187.1	186.0	184.9	184.1	183.3	182.4	181.7	181.0
145°	191.7	190.9	190.1	189.2	188.4	187.7	186.8	186.3	185.5	185.0	184.5
147.5°	192.1	191.5	190.9	190.3	189.6	189.0	188.4	188.1	187.3	187.0	186.4
150°	192.4	191.9	191.2	191.0	190.2	189.7	189.2	188.9	188.3	188.2	187.8
152.5°	192.0	191.5	191.0	190.6	190.0	189.5	189.2	188.9	188.4	188.2	187.7
155°	192.3	192.0	191.5	191.1	190.6	190.3	189.9	189.4	189.2	188.8	188.3
157.5°	193.4	193.1	192.7	192.4	191.9	191.5	191.1	190.8	190.3	190.1	189.7
160°	194.8	194.5	194.0	193.8	193.4	193.0	192.5	192.1	191.7	191.3	190.8
162.5°	196.9	196.5	196.1	195.8	195.3	195.0	194.5	194.1	193.8	193.4	193.0
165°	199.0	198.7	198.3	197.9	197.8	197.4	196.9	196.5	196.0	195.7	195.1
167.5°	202.0	201.7	201.4	201.1	200.7	200.4	200.0	199.7	199.2	198.8	198.3
170°	204.3	203.8	203.6	203.2	202.8	202.5	202.1	201.7	201.3	201.0	200.5
172.5°	206.6	206.5	206.2	206.0	205.6	205.3	205.0	204.6	204.4	204.0	203.7
175°	207.5	207.4	207.3	207.0	206.9	206.7	206.6	206.5	206.3	206.2	205.9
177.5°	208.5	208.5	208.5	208.3	208.2	208.2	208.0	207.9	207.8	207.6	207.5
180°	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1



TEST NUMBER: P1444738
 CATALOG NUMBER: EHBR1-30-UNV-TA-L935-UPL12

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7
2.5°	23909.3	23903.3	23906.2	23894.9	23897.6	23884.1	23882.9	23867.5	23866.1	23851.7	23846.3
5°	24718.9	24705.5	24720.6	24697.2	24701.7	24671.3	24668.7	24629.4	24615.8	24566.5	24545.2
7.5°	25608.5	25603.5	25612.7	25593.1	25592.5	25565.3	25554.1	25518.8	25496.9	25445.2	25412.1
10°	25803.5	25808.1	25800.6	25802.4	25791.8	25788.9	25778.0	25771.1	25753.4	25740.0	25720.3
12.5°	24994.1	24998.9	24968.1	24987.7	24972.2	25008.3	25005.4	25047.9	25054.5	25108.3	25128.7
15°	23123.5	23117.7	23058.5	23095.8	23075.8	23155.1	23172.8	23279.4	23336.4	23473.4	23557.5
17.5°	20297.8	20282.6	20199.1	20244.6	20221.5	20338.3	20377.5	20548.0	20654.4	20875.0	21032.2
20°	16929.4	16900.1	16802.5	16855.7	16831.9	16964.7	17020.7	17226.8	17363.9	17656.1	17864.0
22.5°	13519.1	13472.9	13377.3	13427.0	13404.5	13542.0	13614.9	13821.7	13978.9	14278.8	14521.4
25°	10456.7	10415.5	10323.2	10357.9	10349.6	10465.9	10530.6	10726.3	10880.7	11166.4	11398.0
27.5°	7975.6	7932.7	7849.3	7873.9	7865.4	7964.5	8025.6	8189.0	8321.8	8562.4	8765.7
30°	6104.1	6052.5	5981.7	5995.3	5989.5	6069.8	6126.8	6264.5	6378.3	6581.6	6756.8
32.5°	4678.8	4626.9	4561.8	4568.2	4559.7	4622.6	4669.7	4789.3	4888.6	5061.4	5213.9
35°	3579.9	3640.5	3501.6	3589.6	3498.0	3632.6	3584.2	3658.9	3744.3	3890.0	4017.1
37.5°	2752.2	2709.8	2674.1	2670.3	2670.1	2701.3	2738.1	2810.1	2885.3	2993.8	3105.9
40°	2180.9	2151.3	2128.2	2126.4	2128.2	2150.3	2177.5	2227.3	2282.3	2360.3	2442.6
42.5°	1808.9	1789.2	1775.2	1774.2	1778.7	1794.4	1813.3	1842.8	1878.6	1929.2	1985.7
45°	1565.6	1554.6	1546.8	1546.5	1548.5	1556.6	1567.5	1586.0	1608.6	1640.2	1675.9
47.5°	1394.8	1392.2	1387.3	1387.5	1385.3	1388.7	1389.9	1400.3	1412.3	1436.1	1482.8
50°	1270.6	1270.6	1267.2	1267.0	1263.9	1263.7	1261.1	1265.1	1270.8	1285.5	1300.4
52.5°	1172.3	1172.0	1168.3	1167.6	1164.3	1164.1	1161.8	1163.5	1164.2	1171.6	1180.6
55°	1095.6	1093.2	1088.5	1087.0	1085.7	1087.6	1086.7	1086.8	1085.8	1089.0	1091.6
57.5°	1040.5	1037.5	1032.9	1031.6	1031.3	1033.6	1033.7	1032.9	1028.7	1025.9	1021.9
60°	996.9	993.9	989.0	987.7	988.4	991.6	991.4	988.8	982.6	977.3	971.0
62.5°	954.0	952.8	950.3	950.0	949.4	949.9	947.7	944.8	938.8	933.1	926.3
65°	896.5	897.2	895.4	895.6	893.4	893.0	889.7	886.9	880.8	875.6	868.6
67.5°	836.9	837.4	835.8	835.8	834.7	834.9	832.8	830.3	825.0	820.9	815.4
70°	787.7	789.0	788.1	788.3	787.0	786.4	783.2	780.8	775.4	771.8	767.0
72.5°	728.9	731.5	731.4	732.0	730.0	728.9	725.1	722.0	717.1	714.3	710.4
75°	665.3	668.8	669.7	671.2	668.2	666.6	662.4	660.0	656.0	654.4	651.8
77.5°	603.3	607.1	610.7	614.0	609.1	604.8	599.6	595.6	590.0	587.8	583.9
80°	533.6	540.4	548.3	555.0	546.3	537.5	528.9	522.6	515.1	512.0	507.0
82.5°	442.7	449.5	454.2	458.5	452.3	445.9	437.7	432.0	424.0	421.0	415.2
85°	336.3	344.9	347.6	349.9	346.0	342.6	334.8	324.3	319.2	311.1	307.0
87.5°	221.2	226.3	227.3	228.1	225.7	224.0	219.0	214.1	205.3	198.9	191.2
90°	93.7	96.7	94.3	95.1	92.5	93.4	88.7	87.6	80.8	78.7	72.7
92.5°	16.8	15.6	14.9	13.9	15.2	15.7	16.9	17.5	18.6	19.2	20.4
95°	22.2	21.1	20.1	19.1	19.9	20.8	21.6	22.4	23.1	23.9	24.7
97.5°	29.9	29.3	28.5	27.9	28.4	28.8	29.4	29.8	30.3	30.7	31.4
100°	37.9	37.3	36.8	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
102.5°	60.1	57.8	55.5	53.2	54.7	56.3	57.8	59.4	61.0	62.5	64.1
105°	111.8	105.6	99.2	93.0	99.1	105.1	111.3	117.4	123.4	129.7	135.9
107.5°	201.8	191.9	182.0	172.0	183.2	194.3	205.4	216.4	227.6	238.6	249.9
110°	300.8	291.4	281.9	272.4	284.2	296.0	307.8	319.6	331.4	343.1	355.1



TEST NUMBER: P1444738
 CATALOG NUMBER: EHBR1-30-UNV-TA-L935-UPL12

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	367.2	362.6	358.0	353.4	361.0	368.5	376.1	383.9	391.4	399.1	406.8
115°	384.9	384.6	384.4	384.1	387.7	391.3	394.9	398.5	402.2	405.8	409.6
117.5°	364.5	367.0	369.6	372.1	373.3	374.4	375.7	376.9	378.1	379.4	380.7
120°	327.9	331.1	334.5	338.0	337.5	337.1	336.6	336.2	336.0	335.6	335.4
122.5°	285.0	288.3	291.7	295.1	294.1	293.1	292.1	291.2	290.5	289.6	288.8
125°	245.4	248.1	250.9	253.7	252.7	251.7	250.7	250.0	249.1	248.3	247.7
127.5°	214.5	216.2	217.7	219.4	219.0	218.5	218.2	217.9	217.7	217.6	217.5
130°	194.1	194.8	195.5	196.2	196.4	196.5	196.9	197.1	197.7	198.0	198.8
132.5°	183.4	183.2	183.3	183.4	183.9	184.4	185.2	185.9	186.9	187.7	189.0
135°	178.3	177.8	177.5	177.3	178.1	178.8	179.8	180.8	182.0	183.3	184.6
137.5°	177.5	176.8	176.4	175.8	176.6	177.5	178.5	179.5	180.6	181.9	183.3
140°	178.8	178.2	177.9	177.4	178.2	178.9	179.9	180.9	182.1	183.4	184.7
142.5°	180.5	179.9	179.5	179.3	179.8	180.5	181.6	182.4	183.5	184.4	185.8
145°	184.0	183.4	183.3	182.9	183.4	183.9	184.5	185.3	186.0	186.7	187.8
147.5°	186.1	185.7	185.5	185.3	185.6	186.0	186.4	186.9	187.5	188.2	188.9
150°	187.7	187.2	187.1	187.0	187.2	187.3	187.7	187.9	188.3	188.7	189.3
152.5°	187.6	187.2	187.2	187.0	187.1	187.3	187.6	187.8	188.2	188.4	188.9
155°	188.2	187.9	187.6	187.3	187.3	187.2	187.4	187.3	187.6	187.6	187.9
157.5°	189.5	189.2	189.0	188.6	188.5	188.2	188.2	188.2	188.2	188.0	188.1
160°	190.5	190.1	189.8	189.4	189.3	189.2	189.2	189.0	189.0	189.0	189.0
162.5°	192.7	192.3	192.1	191.8	191.6	191.2	191.1	190.7	190.5	190.3	190.2
165°	194.7	194.3	194.0	193.5	193.4	193.2	193.0	192.8	192.7	192.5	192.4
167.5°	198.0	197.5	197.2	196.8	196.5	196.1	196.0	195.7	195.4	195.1	195.1
170°	200.2	199.8	199.6	199.2	199.0	198.8	198.7	198.5	198.4	198.3	198.3
172.5°	203.5	203.2	202.9	202.7	202.5	202.3	202.2	202.1	202.0	202.0	201.9
175°	205.8	205.6	205.6	205.5	205.3	205.2	205.1	205.0	204.9	204.7	204.7
177.5°	207.3	207.2	207.1	207.0	206.9	206.9	206.9	206.9	206.9	206.8	206.7
180°	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1



TEST NUMBER: P1444738
 CATALOG NUMBER: EHBR1-30-UNV-TA-L935-UPL12

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7
2.5°	23830.8	23824.6	23808.1	23799.9	23784.7	23777.0	23765.1	23757.4	23747.8	23740.7	23736.9
5°	24491.1	24460.6	24399.6	24361.9	24296.1	24252.6	24187.1	24139.1	24071.5	24021.6	23957.7
7.5°	25350.2	25303.4	25225.2	25165.9	25073.6	25003.1	24899.6	24816.7	24702.4	24607.4	24490.6
10°	25700.0	25672.7	25637.5	25599.4	25548.2	25498.1	25427.4	25355.4	25259.4	25163.9	25039.1
12.5°	25183.0	25208.7	25259.4	25283.0	25321.7	25334.9	25352.7	25344.3	25328.6	25289.7	25233.0
15°	23719.0	23826.3	23995.8	24113.0	24277.2	24392.6	24545.2	24643.5	24756.7	24824.3	24888.5
17.5°	21310.8	21518.2	21817.3	22055.9	22376.3	22636.7	22955.8	23206.5	23495.9	23718.0	23954.4
20°	18226.3	18516.8	18929.6	19280.2	19744.4	20137.9	20642.2	21064.5	21557.2	21968.0	22411.3
22.5°	14906.5	15248.2	15721.2	16144.1	16698.4	17193.4	17825.1	18383.6	19049.8	19646.4	20306.6
25°	11774.6	12109.5	12591.4	13029.3	13627.6	14172.9	14863.1	15503.8	16276.8	16997.6	17825.1
27.5°	9088.8	9386.3	9809.9	10204.1	10752.1	11287.4	11987.8	12671.1	13495.9	14270.5	15162.3
30°	7019.2	7260.5	7599.9	7917.0	8356.9	8794.7	9418.7	10050.5	10871.2	11674.0	12588.3
32.5°	5439.6	5645.4	5928.8	6186.1	6525.1	6855.2	7314.7	7819.6	8539.5	9308.5	10192.5
35°	4210.9	4386.9	4628.1	4849.8	5128.6	5390.7	5733.5	6093.9	6643.3	7290.1	8081.2
37.5°	3357.1	3428.9	3601.0	3782.7	4014.2	4229.6	4497.7	4764.3	5157.4	5667.6	6313.9
40°	2553.0	2667.1	2807.1	2950.2	3125.5	3298.2	3592.5	3734.2	3992.9	4359.3	4860.9
42.5°	2060.0	2140.1	2238.7	2338.2	2460.4	2580.7	2729.5	2881.1	3074.5	3322.7	3679.5
45°	1723.8	1776.1	1839.7	1905.9	1986.2	2068.2	2167.9	2272.0	2403.1	2555.7	2772.4
47.5°	1499.2	1528.2	1569.7	1614.9	1669.9	1726.7	1791.5	1857.9	1939.4	2029.8	2153.2
50°	1324.0	1348.1	1380.3	1410.6	1448.5	1506.8	1532.5	1569.1	1618.1	1671.4	1740.3
52.5°	1197.2	1213.2	1233.4	1250.8	1274.8	1296.6	1325.2	1350.4	1384.3	1416.3	1460.9
55°	1098.4	1104.2	1115.7	1126.8	1143.4	1158.4	1178.0	1194.5	1216.1	1235.2	1263.3
57.5°	1022.1	1022.6	1028.0	1033.8	1044.5	1053.8	1067.3	1078.2	1093.1	1105.4	1122.2
60°	967.2	964.3	965.4	967.4	973.5	979.6	988.2	995.2	1004.7	1011.6	1021.1
62.5°	921.6	917.0	916.0	915.5	918.5	920.6	925.4	928.8	934.2	937.1	942.2
65°	864.0	858.7	856.5	854.0	854.9	854.2	855.9	856.0	858.7	859.4	862.3
67.5°	811.7	807.3	804.5	801.2	799.7	797.3	796.2	793.9	793.6	791.6	791.1
70°	764.0	759.7	757.3	754.2	752.7	749.5	747.5	743.6	741.4	737.8	735.8
72.5°	708.9	706.4	705.8	703.6	703.0	701.3	700.5	697.8	696.2	693.1	691.3
75°	651.3	649.2	649.0	646.9	646.8	644.7	644.1	641.2	639.7	636.6	635.2
77.5°	582.6	579.6	578.7	576.2	576.9	575.8	576.7	574.4	573.5	570.4	569.4
80°	505.3	501.4	499.7	496.5	497.4	495.9	497.4	497.2	498.4	495.9	495.5
82.5°	413.6	409.4	408.6	406.3	407.8	408.0	411.3	409.5	410.2	407.9	408.8
85°	301.0	297.8	293.4	292.8	289.9	292.9	289.1	291.7	287.5	290.4	286.5
87.5°	186.6	180.1	176.6	171.9	170.2	165.7	163.9	160.6	161.5	160.1	160.9
90°	71.8	66.5	65.9	61.8	62.0	58.5	59.5	57.2	58.6	56.3	58.0
92.5°	20.9	21.8	23.4	25.3	26.7	28.4	29.9	31.8	33.3	35.1	36.5
95°	25.6	26.4	28.5	30.7	32.9	35.1	37.3	39.4	41.6	43.8	46.0
97.5°	31.8	32.3	34.4	36.6	38.8	41.0	43.1	45.4	47.6	49.8	51.9
100°	36.3	36.3	42.5	48.7	54.8	61.1	67.2	73.3	79.7	85.8	92.0
102.5°	65.6	67.2	82.7	98.3	113.9	129.5	145.1	160.8	176.4	192.1	207.7
105°	141.9	148.1	171.8	195.7	219.4	243.3	267.0	290.9	314.8	338.6	362.4
107.5°	261.0	272.2	293.7	315.2	336.7	358.3	379.9	401.4	423.0	444.6	466.3
110°	366.9	378.8	393.2	407.7	422.2	436.6	451.2	465.7	480.3	494.8	509.4



TEST NUMBER: P1444738
 CATALOG NUMBER: EHBR1-30-UNV-TA-L935-UPL12

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	414.4	422.2	430.6	439.2	447.6	456.2	464.7	473.3	481.9	490.6	499.2
115°	413.3	417.0	420.3	423.8	427.2	430.7	434.1	437.8	441.4	444.9	448.5
117.5°	381.9	383.5	384.0	384.8	385.5	386.5	387.2	388.1	389.0	390.0	390.7
120°	335.2	335.0	334.7	334.3	334.1	333.9	333.8	333.6	333.6	333.5	333.3
122.5°	288.0	287.5	287.2	287.0	286.9	286.9	286.8	286.9	286.9	286.9	286.9
125°	247.1	246.5	247.3	248.2	249.1	250.1	251.1	252.1	253.1	254.2	255.3
127.5°	217.4	217.6	219.2	220.9	222.7	224.5	226.3	228.1	229.9	231.9	233.7
130°	199.4	200.2	202.2	204.4	206.5	208.7	210.9	213.2	215.3	217.5	219.7
132.5°	190.0	191.3	193.1	195.3	197.4	199.6	201.7	203.9	206.1	208.4	210.3
135°	186.1	187.5	189.4	191.4	193.4	195.5	197.4	199.6	201.5	203.5	205.4
137.5°	184.6	186.2	187.9	189.4	191.1	193.0	194.6	196.4	197.9	199.7	201.3
140°	186.1	187.5	188.5	189.9	191.0	192.2	193.1	194.5	195.5	196.9	197.9
142.5°	187.0	188.4	189.1	190.0	190.8	191.9	192.7	193.6	194.4	195.1	195.9
145°	188.7	189.8	190.1	190.6	191.1	191.5	191.9	192.2	192.5	192.9	193.2
147.5°	189.7	190.5	190.6	191.0	191.1	191.3	191.5	191.8	191.8	192.1	192.2
150°	189.8	190.4	190.3	190.4	190.3	190.4	190.3	190.4	190.3	190.4	190.3
152.5°	189.2	189.7	189.4	189.5	189.3	189.2	189.1	189.1	188.9	188.8	188.8
155°	187.9	188.2	188.0	188.0	187.8	187.8	187.6	187.8	187.7	187.7	187.7
157.5°	188.0	188.0	187.9	187.9	187.7	187.7	187.7	187.7	187.7	188.0	188.1
160°	188.9	188.9	188.7	188.7	188.6	188.5	188.5	188.6	188.6	189.0	189.1
162.5°	190.0	189.9	189.7	189.7	189.6	189.6	189.7	189.9	189.9	190.1	190.3
165°	192.4	192.5	192.2	192.2	192.1	192.1	192.1	192.1	192.2	192.3	192.5
167.5°	195.0	194.9	194.9	195.0	195.0	195.0	195.1	195.5	195.6	195.9	195.9
170°	198.2	198.3	198.1	198.1	198.1	198.1	198.1	198.1	198.2	198.3	198.3
172.5°	201.9	201.9	201.8	201.7	201.6	201.5	201.4	201.3	201.2	201.1	201.0
175°	204.6	204.5	204.4	204.4	204.3	204.1	204.1	203.8	203.7	203.7	203.7
177.5°	206.6	206.5	206.4	206.4	206.3	206.2	206.2	206.1	206.1	206.1	205.9
180°	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1



TEST NUMBER: P1444738
 CATALOG NUMBER: EHBR1-30-UNV-TA-L935-UPL12

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7
2.5°	23732.1	23731.9	23729.6	23730.7	23731.1	23732.8	23734.9	23736.9	23737.4	23739.0	23739.4
5°	23909.8	23851.0	23807.6	23759.9	23724.0	23691.6	23670.1	23653.0	23646.4	23648.0	23652.0
7.5°	24391.4	24270.2	24170.2	24056.5	23961.7	23861.3	23778.1	23699.0	23641.3	23598.4	23574.3
10°	24919.9	24772.2	24631.0	24466.5	24310.5	24143.9	23993.0	23841.1	23714.5	23604.4	23523.7
12.5°	25154.4	25050.0	24927.9	24772.7	24605.7	24413.5	24219.5	24011.4	23817.9	23638.2	23493.4
15°	24906.1	24906.3	24861.8	24787.3	24671.3	24517.7	24332.8	24115.9	23887.6	23654.6	23441.8
17.5°	24117.9	24266.6	24349.3	24401.6	24385.5	24329.0	24211.3	24044.7	23831.9	23583.8	23324.1
20°	22764.2	23115.0	23365.1	23589.9	23716.0	23799.7	23791.4	23723.6	23572.1	23361.1	23090.6
22.5°	20868.0	21456.7	21921.3	22354.5	22658.3	22905.5	23023.0	23072.9	23004.2	22857.3	22603.3
25°	18564.8	19365.3	20048.5	20711.4	21208.7	21636.2	21893.0	22074.0	22088.4	22011.6	21785.0
27.5°	16005.5	16950.4	17815.1	18696.2	19395.6	20010.0	20413.2	20708.3	20802.0	20789.6	20583.9
30°	13449.6	14441.5	15394.6	16422.0	17287.5	18072.5	18605.0	19004.1	19157.9	19187.3	18989.4
32.5°	11035.6	12013.9	12964.3	14038.5	14990.9	15890.5	16519.7	16993.8	17172.6	17214.6	16997.6
35°	8845.0	9747.5	10650.6	11691.7	12638.6	13570.2	14233.2	14729.5	14896.5	14924.6	14673.4
37.5°	6945.2	7714.1	8501.2	9435.2	10304.8	11179.8	11809.6	12276.0	12397.7	12390.2	12105.7
40°	5345.6	5943.4	6575.8	7344.8	8067.7	8807.3	9339.3	9724.8	9788.7	9741.4	9442.7
42.5°	4019.6	4451.3	4909.9	5483.8	6020.3	6573.8	6960.8	7247.1	7256.2	7181.3	6913.1
45°	2994.6	3415.9	3608.1	3955.1	4300.6	4668.8	4905.1	5081.9	5054.5	4988.6	4784.9
47.5°	2282.9	2444.7	2616.5	2831.6	3032.9	3450.6	3419.7	3703.6	3499.1	3638.5	3331.6
50°	1812.8	1903.3	1995.8	2110.0	2215.2	2324.4	2392.6	2443.6	2436.9	2415.0	2356.2
52.5°	1542.3	1570.2	1615.8	1680.8	1739.5	1798.5	1837.4	1868.9	1869.6	1860.8	1831.0
55°	1289.0	1324.5	1357.2	1399.7	1472.0	1483.1	1538.9	1527.5	1532.0	1516.5	1532.3
57.5°	1136.5	1157.1	1175.6	1200.9	1221.7	1246.1	1260.5	1274.4	1273.0	1270.0	1254.9
60°	1028.4	1039.8	1050.1	1064.8	1076.3	1090.0	1096.7	1103.7	1101.5	1096.3	1082.8
62.5°	945.1	952.3	958.1	967.6	974.6	983.2	986.6	989.6	986.6	981.7	969.9
65°	862.9	867.5	871.3	878.4	883.3	890.6	893.5	896.4	893.6	889.8	880.8
67.5°	788.8	789.2	788.9	791.8	793.3	797.8	799.0	801.1	797.8	794.6	787.0
70°	732.6	731.4	730.0	731.1	731.4	733.5	733.9	733.5	729.8	724.1	715.7
72.5°	688.6	688.0	686.9	687.9	687.9	689.8	689.3	688.3	683.6	678.1	669.8
75°	632.1	631.7	629.5	629.6	627.9	628.4	626.2	624.9	619.7	615.0	607.7
77.5°	566.0	564.9	561.8	560.7	557.3	555.9	551.6	549.5	544.2	540.4	534.1
80°	492.2	491.0	487.1	484.9	479.5	476.2	469.8	466.2	460.1	456.5	450.4
82.5°	406.9	407.3	403.3	400.6	393.0	387.2	378.7	374.1	367.4	363.9	357.5
85°	289.4	285.2	287.4	287.2	282.5	277.4	270.5	265.7	260.0	256.7	252.2
87.5°	158.7	159.7	158.5	157.5	154.2	151.6	146.3	143.5	139.3	137.2	133.9
90°	53.4	52.7	48.3	47.8	43.5	41.5	36.6	35.3	30.7	29.9	26.7
92.5°	34.7	32.9	31.2	29.2	27.6	25.7	23.8	22.0	20.2	19.4	19.0
95°	43.3	40.8	38.2	35.5	32.8	30.2	27.6	25.0	22.4	21.8	21.3
97.5°	48.9	45.8	42.7	39.7	36.5	33.4	30.5	27.3	24.2	23.8	23.5
100°	84.9	77.8	70.6	63.4	56.3	49.1	42.1	34.9	27.8	27.5	27.0
102.5°	190.3	173.0	155.8	138.5	121.3	103.9	86.6	69.2	51.9	49.4	46.9
105°	336.2	310.0	284.0	257.8	231.5	205.3	179.2	152.8	126.6	118.3	109.8
107.5°	441.7	417.1	392.6	368.1	343.3	318.8	294.1	269.5	244.8	230.0	215.3
110°	489.9	470.4	451.1	431.6	412.1	392.6	373.1	353.6	334.2	321.4	308.8



TEST NUMBER: P1444738
 CATALOG NUMBER: EHBR1-30-UNV-TA-L935-UPL12

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	485.1	470.9	456.9	442.6	428.5	414.2	400.0	385.7	371.4	363.8	356.2
115°	440.1	431.7	423.3	414.9	406.5	398.1	389.6	381.0	372.5	368.6	364.7
117.5°	386.7	382.6	378.6	374.3	370.1	365.9	361.8	357.5	353.3	352.1	350.8
120°	332.6	331.6	330.4	329.5	328.5	327.4	326.2	325.1	323.9	324.4	324.8
122.5°	287.8	288.7	289.7	290.4	291.4	292.1	293.0	293.7	294.5	295.9	297.3
125°	256.9	258.6	260.4	262.0	263.7	265.2	267.0	268.5	270.2	271.5	273.1
127.5°	235.6	237.4	239.4	241.2	243.1	244.8	246.7	248.3	250.2	251.6	253.0
130°	221.4	223.0	224.9	226.5	228.1	229.8	231.5	233.2	234.8	236.0	237.3
132.5°	211.9	213.5	215.2	216.5	218.2	219.7	221.3	222.9	224.5	225.5	226.7
135°	206.8	208.0	209.3	210.4	211.9	213.1	214.4	215.7	217.2	218.1	219.1
137.5°	202.5	203.4	204.6	205.6	206.9	207.9	209.2	210.3	211.7	212.3	213.2
140°	198.8	199.9	201.1	202.2	203.4	204.4	205.8	207.0	208.4	209.0	209.8
142.5°	196.9	197.6	198.6	199.5	200.4	201.3	202.5	203.6	204.7	205.5	206.2
145°	194.2	195.1	196.2	197.1	198.0	199.1	200.5	201.7	202.9	203.5	204.2
147.5°	193.0	193.8	194.8	195.5	196.5	197.3	198.6	199.6	200.8	201.4	201.9
150°	191.2	192.0	192.9	193.6	194.6	195.6	196.8	197.9	199.2	199.8	200.4
152.5°	189.6	190.4	191.3	192.3	193.2	194.3	195.5	196.7	197.9	198.4	199.1
155°	188.6	189.3	190.3	191.3	192.3	193.2	194.4	195.5	196.7	197.4	197.9
157.5°	188.9	189.5	190.5	191.4	192.2	193.1	194.3	195.2	196.3	196.9	197.4
160°	189.8	190.5	191.3	192.2	193.0	193.9	194.8	195.7	196.6	197.1	197.7
162.5°	191.1	191.9	192.7	193.3	194.2	195.1	196.0	196.9	197.8	198.2	198.7
165°	193.1	193.8	194.4	195.0	195.6	196.1	196.9	197.6	198.4	198.8	199.3
167.5°	196.6	196.9	197.5	197.9	198.6	199.0	199.8	200.2	200.8	201.2	201.7
170°	198.8	199.2	199.6	200.0	200.6	201.0	201.5	201.9	202.6	202.9	203.3
172.5°	201.3	201.5	201.8	202.1	202.4	202.7	203.0	203.4	203.7	204.1	204.4
175°	203.9	203.9	204.1	204.2	204.3	204.5	204.7	204.8	205.0	205.3	205.5
177.5°	206.0	206.1	206.1	206.2	206.5	206.6	206.6	206.7	206.9	207.1	207.4
180°	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1



TEST NUMBER: P1444738
 CATALOG NUMBER: EHBR1-30-UNV-TA-L935-UPL12

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7
2.5°	23738.6	23738.4	23737.6	23736.5	23735.4	23736.0	23737.1	23739.8	23744.6	23751.5	23760.5
5°	23655.3	23660.2	23662.9	23663.3	23660.7	23659.3	23661.5	23668.1	23681.2	23703.3	23733.1
7.5°	23567.9	23573.9	23583.0	23589.9	23591.3	23589.6	23589.9	23600.2	23624.5	23667.4	23727.8
10°	23474.6	23456.9	23466.2	23483.3	23496.9	23499.4	23501.1	23513.2	23548.7	23613.6	23710.5
12.5°	23388.5	23332.3	23321.5	23336.9	23357.6	23364.2	23362.4	23367.5	23409.1	23495.0	23630.1
15°	23275.1	23169.4	23133.3	23137.3	23162.8	23172.0	23165.3	23155.1	23195.6	23300.5	23475.2
17.5°	23091.6	22921.3	22854.9	22852.0	22881.8	22889.8	22873.4	22841.6	22881.5	23012.5	23229.4
20°	22812.8	22561.3	22436.4	22416.5	22448.9	22439.4	22406.7	22358.7	22411.1	22570.3	22828.3
22.5°	22311.6	21992.9	21779.4	21710.5	21749.3	21723.3	21675.6	21614.3	21683.9	21864.9	22152.1
25°	21492.4	21124.2	20831.9	20667.8	20698.7	20652.4	20600.4	20526.1	20609.1	20816.8	21133.1
27.5°	20288.4	19863.1	19500.8	19229.3	19239.3	19178.6	19118.7	19022.5	19126.2	19372.0	19728.6
30°	18687.3	18195.2	17754.0	17385.0	17352.0	17293.1	17231.8	17105.6	17235.3	17529.6	17946.3
32.5°	16676.6	16130.2	15620.5	15154.0	15066.0	15008.5	14953.9	14808.6	14978.4	15321.6	15800.4
35°	14325.3	13743.2	13190.5	12657.7	12512.0	12454.5	12406.7	12267.5	12479.5	12852.9	13370.0
37.5°	11744.3	11149.8	10601.1	10054.6	9848.6	9770.7	9736.0	9644.8	9889.4	10258.7	10777.9
40°	9094.7	8541.8	8049.9	7567.3	7332.5	7213.2	7195.0	7178.4	7414.9	7735.3	8206.5
42.5°	6616.0	6170.0	5790.7	5421.8	5208.9	5046.1	5046.0	5095.5	5308.4	5548.4	5911.8
45°	4576.5	4277.1	4035.5	3789.0	3854.9	3530.2	3721.0	3623.1	3728.3	3883.1	4119.4
47.5°	3145.9	2982.5	2849.8	2712.0	2611.7	2515.8	2524.2	2586.0	2685.1	2776.9	2899.9
50°	2292.8	2209.6	2142.0	2070.5	2020.6	1978.2	1980.7	2007.4	2059.5	2107.9	2172.3
52.5°	1796.6	1750.7	1714.0	1674.4	1648.2	1627.2	1628.3	1641.3	1669.5	1697.1	1734.0
55°	1480.9	1475.3	1427.6	1392.0	1378.5	1364.4	1366.9	1372.1	1391.2	1407.4	1431.8
57.5°	1240.9	1219.5	1205.1	1186.5	1177.9	1168.0	1170.3	1172.2	1184.9	1195.8	1213.4
60°	1071.6	1056.3	1046.2	1033.5	1027.9	1021.5	1023.0	1024.2	1032.3	1039.4	1052.0
62.5°	959.0	945.4	936.6	926.7	922.8	918.6	919.6	919.8	925.0	930.2	939.8
65°	872.6	861.9	854.6	846.1	841.9	837.5	838.0	838.0	842.3	846.1	853.2
67.5°	781.3	773.3	768.5	761.8	759.0	754.4	754.3	753.0	755.8	757.2	762.1
70°	708.1	699.9	693.8	687.4	683.8	679.8	679.9	680.0	683.3	686.7	693.0
72.5°	662.8	655.0	649.6	643.9	640.6	637.2	636.6	636.2	638.6	640.5	644.7
75°	602.9	596.6	593.5	588.1	585.5	581.7	581.0	579.3	580.5	580.9	583.9
77.5°	530.2	524.2	521.7	516.3	514.1	509.8	509.4	507.5	508.4	507.7	510.1
80°	447.3	441.9	440.5	436.0	435.0	431.1	430.4	428.1	428.7	426.9	427.8
82.5°	354.7	349.8	348.8	344.7	344.7	341.1	340.9	337.2	337.2	334.2	329.3
85°	249.9	246.2	244.8	241.4	240.4	237.5	236.0	232.6	231.4	229.1	228.5
87.5°	131.9	129.6	127.5	126.0	123.1	117.8	117.4	113.7	114.0	111.5	111.7
90°	26.2	23.4	23.0	20.5	19.8	18.0	17.7	17.5	17.8	17.8	18.2
92.5°	18.4	17.8	17.2	16.6	16.0	15.4	14.8	15.4	16.0	16.6	17.2
95°	20.8	20.2	19.8	19.2	18.7	18.1	17.6	18.1	18.7	19.3	19.8
97.5°	23.2	22.8	22.5	22.1	21.8	21.5	21.1	21.6	21.9	22.2	22.6
100°	26.6	26.2	25.8	25.4	25.0	24.6	24.2	24.7	25.2	25.6	26.0
102.5°	44.5	42.0	39.5	37.0	34.4	32.0	29.5	32.0	34.4	37.1	39.6
105°	101.3	93.0	84.6	76.1	67.6	59.2	50.8	59.3	67.7	76.2	84.7
107.5°	200.3	185.6	170.8	156.0	140.9	126.2	111.3	126.3	141.1	156.1	170.9
110°	296.0	283.2	270.4	257.7	244.9	232.1	219.2	232.2	245.1	257.9	270.7



TEST NUMBER: P1444738
 CATALOG NUMBER: EHBR1-30-UNV-TA-L935-UPL12

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	348.4	340.7	333.0	325.3	317.4	309.8	301.9	310.0	317.8	325.7	333.5
115°	360.6	356.6	352.7	348.8	344.6	340.6	336.4	340.9	345.0	349.3	353.5
117.5°	349.6	348.4	346.9	345.7	344.3	343.0	341.6	343.2	344.8	346.5	347.8
120°	325.1	325.6	325.9	326.2	326.6	326.8	327.0	327.2	327.2	327.2	327.1
122.5°	298.6	300.0	301.2	302.5	303.8	305.0	306.1	305.3	304.5	303.7	302.6
125°	274.3	276.0	277.2	278.7	280.0	281.3	282.3	281.8	281.0	280.1	279.0
127.5°	254.5	255.9	257.1	258.6	259.8	260.8	261.8	261.4	260.7	259.8	258.9
130°	238.5	239.8	240.8	241.9	242.9	243.8	244.5	244.3	243.9	243.5	242.8
132.5°	227.7	228.8	229.8	230.8	231.5	232.4	232.8	232.9	232.7	232.5	231.9
135°	219.9	220.8	221.6	222.6	223.0	223.7	224.0	224.3	224.2	224.2	223.9
137.5°	213.8	214.7	215.3	215.8	216.3	216.7	216.9	217.3	217.4	217.8	217.6
140°	210.5	211.4	212.0	212.5	213.2	213.6	213.8	214.3	214.4	214.5	214.4
142.5°	207.0	207.7	208.4	209.0	209.5	209.9	210.2	210.5	210.7	210.8	210.8
145°	204.8	205.5	206.0	206.6	206.9	207.3	207.4	207.9	208.1	208.4	208.5
147.5°	202.6	203.3	203.6	204.1	204.5	204.7	204.9	205.3	205.6	205.8	205.9
150°	201.2	201.8	202.4	202.8	203.4	203.7	203.8	204.3	204.5	204.6	204.6
152.5°	199.8	200.3	200.8	201.3	201.7	202.0	202.2	202.6	202.9	203.1	203.2
155°	198.5	199.1	199.7	200.2	200.6	201.0	201.3	201.7	201.9	202.1	202.3
157.5°	197.9	198.5	198.9	199.5	199.8	200.4	200.8	201.1	201.4	201.7	201.9
160°	198.0	198.7	199.0	199.6	200.0	200.5	200.8	201.2	201.6	201.8	202.2
162.5°	199.1	199.7	199.9	200.5	200.9	201.4	201.7	202.1	202.5	202.8	203.1
165°	199.8	200.3	200.8	201.3	201.7	202.3	202.7	202.9	203.1	203.5	203.7
167.5°	202.0	202.6	202.9	203.5	203.7	204.3	204.7	205.0	205.1	205.4	205.6
170°	203.6	204.0	204.4	204.7	205.2	205.6	205.8	206.0	206.3	206.5	206.6
172.5°	204.7	205.2	205.6	206.0	206.4	206.6	207.0	207.2	207.3	207.3	207.3
175°	205.7	206.1	206.4	206.6	206.9	207.2	207.5	207.5	207.6	207.5	207.6
177.5°	207.7	208.1	208.4	208.5	208.9	209.1	209.4	209.2	209.1	208.9	208.7
180°	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1



TEST NUMBER: P1444738
 CATALOG NUMBER: EHBR1-30-UNV-TA-L935-UPL12

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7
2.5°	23773.2	23785.2	23803.3	23819.8	23844.6	23864.2	23893.6	23915.9	23949.1	23970.7	24006.8
5°	23775.4	23821.9	23883.0	23942.7	24014.5	24079.6	24160.6	24229.5	24310.9	24377.3	24460.5
7.5°	23809.0	23898.6	24006.1	24114.5	24237.0	24351.6	24480.7	24597.6	24725.3	24833.4	24951.5
10°	23833.7	23972.1	24130.6	24290.0	24457.7	24613.6	24771.1	24907.1	25034.2	25138.8	25231.2
12.5°	23800.1	23990.7	24194.0	24390.3	24576.9	24738.3	24873.7	24978.3	25050.5	25099.5	25110.9
15°	23685.8	23915.1	24136.2	24331.7	24486.6	24605.9	24667.7	24696.7	24665.7	24614.1	24500.7
17.5°	23472.3	23714.2	23911.8	24066.0	24147.9	24180.2	24129.0	24040.0	23865.9	23672.7	23393.6
20°	23080.8	23306.2	23449.5	23533.7	23511.7	23430.8	23237.5	23002.5	22655.0	22284.6	21795.9
22.5°	22394.1	22591.2	22667.6	22673.8	22540.2	22337.6	21988.9	21585.9	21037.6	20467.6	19766.7
25°	21363.4	21536.0	21548.1	21480.3	21235.8	20907.4	20395.4	19825.3	19080.3	18320.8	17442.4
27.5°	19965.5	20131.0	20090.5	19964.1	19624.7	19185.3	18529.7	17793.2	16874.8	15977.7	15006.0
30°	18208.3	18385.3	18337.8	18175.5	17771.9	17252.4	16481.1	15625.4	14605.7	13647.6	12663.0
32.5°	16105.5	16329.2	16296.3	16142.2	15721.0	15165.1	14328.2	13420.6	12377.3	11433.2	10475.4
35°	13715.2	13986.9	14001.0	13900.2	13509.2	12959.7	12133.3	11254.9	10255.6	9364.7	8479.9
37.5°	11140.1	11455.1	11519.7	11492.5	11168.5	10683.4	9930.6	9142.4	8257.2	7476.4	6719.6
40°	8550.7	8869.5	8980.1	9012.9	8773.8	8398.1	7780.1	7144.0	6422.3	5789.7	5188.8
42.5°	6189.2	6471.9	6578.8	6646.0	6496.7	6246.2	5795.4	5333.6	4804.8	4348.5	3911.0
45°	4298.5	4498.5	4579.8	4647.5	4566.2	4424.9	4140.2	3851.3	3502.2	3204.1	2921.8
47.5°	3005.4	3115.6	3169.3	3202.2	3170.6	3096.9	2942.0	2774.6	2577.6	2403.4	2235.8
50°	2227.6	2286.3	2314.4	2333.3	2310.4	2269.4	2185.6	2094.5	1986.3	1887.6	1791.1
52.5°	1765.3	1799.0	1815.6	1825.9	1812.7	1787.6	1738.9	1684.9	1620.0	1559.0	1526.9
55°	1487.2	1485.5	1524.0	1505.4	1524.0	1482.4	1473.7	1414.3	1360.4	1322.5	1281.5
57.5°	1226.4	1243.9	1251.4	1259.6	1254.3	1246.7	1225.9	1204.6	1176.2	1152.5	1127.1
60°	1061.7	1076.0	1084.2	1092.4	1091.9	1089.0	1077.0	1064.3	1046.5	1032.3	1017.0
62.5°	948.1	960.5	968.6	976.5	977.2	976.0	967.0	958.1	946.0	937.1	926.5
65°	858.7	867.5	873.0	879.2	879.0	877.2	869.0	861.7	851.8	845.5	837.8
67.5°	765.3	771.9	776.2	782.1	783.2	783.6	779.1	775.6	770.7	769.0	766.4
70°	698.9	706.8	713.6	721.2	725.2	727.1	725.2	723.4	720.6	719.4	717.4
72.5°	648.6	655.4	660.6	667.4	671.2	673.9	672.4	671.5	669.1	668.7	667.2
75°	586.0	590.7	593.7	598.8	600.9	603.4	602.3	602.9	602.1	604.1	604.0
77.5°	510.9	514.3	515.8	519.5	519.9	523.0	523.6	527.2	529.8	535.5	538.5
80°	426.3	428.5	428.5	432.3	434.0	439.2	441.7	447.6	450.4	455.4	455.8
82.5°	331.2	328.6	331.2	329.6	334.4	340.3	341.1	346.1	347.2	350.5	347.9
85°	226.4	226.2	224.2	224.6	223.0	223.8	222.9	223.9	223.0	223.0	220.8
87.5°	108.5	109.5	107.0	107.9	105.6	106.7	104.6	106.2	103.8	104.1	100.6
90°	18.3	18.6	18.8	19.1	19.8	20.7	21.8	22.8	24.3	25.2	26.5
92.5°	17.8	18.5	19.1	19.7	20.3	22.1	23.9	25.8	27.7	29.5	31.3
95°	20.3	20.8	21.4	22.1	22.7	25.3	27.9	30.5	33.2	35.9	38.5
97.5°	23.1	23.5	23.7	24.1	24.6	27.6	30.8	33.9	37.0	40.2	43.1
100°	26.5	26.9	27.3	27.8	28.2	35.3	42.5	49.7	56.8	64.0	71.1
102.5°	42.1	44.7	47.2	49.8	52.4	69.8	87.2	104.5	121.7	139.1	156.4
105°	93.2	101.6	110.3	118.7	127.2	153.4	179.8	206.1	232.2	258.5	284.8
107.5°	185.9	200.8	215.8	230.7	245.5	270.3	294.9	319.6	344.3	369.1	393.5
110°	283.8	296.5	309.4	322.3	335.2	354.6	374.3	393.8	413.4	433.0	452.4



TEST NUMBER: P1444738
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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°	341.4	349.2	357.1	364.7	372.6	386.9	401.3	415.6	430.1	444.1	458.4
115°	357.6	361.5	365.8	369.8	374.0	382.6	391.1	399.7	408.3	416.8	425.4
117.5°	349.4	350.8	352.3	353.5	354.9	359.3	363.7	368.0	372.3	376.7	380.9
120°	327.0	326.7	326.6	326.2	326.0	327.2	328.5	329.7	331.0	332.1	333.2
122.5°	301.7	300.4	299.4	298.2	297.0	296.2	295.6	294.8	294.3	293.5	292.7
125°	278.0	276.7	275.5	274.3	272.9	271.4	270.0	268.5	266.9	265.4	263.8
127.5°	258.1	256.9	255.9	254.7	253.5	251.7	250.1	248.2	246.7	244.9	243.2
130°	242.2	241.3	240.4	239.3	238.5	236.8	235.4	233.7	232.1	230.6	229.0
132.5°	231.5	230.8	230.1	229.1	228.4	226.9	225.7	224.0	222.6	221.1	219.7
135°	223.6	223.0	222.8	222.1	221.4	220.1	219.0	217.7	216.6	215.4	214.3
137.5°	217.6	217.2	216.9	216.4	216.2	215.0	214.1	212.9	212.0	210.8	210.0
140°	214.3	214.1	213.8	213.4	213.0	211.9	211.0	209.8	208.8	207.7	206.7
142.5°	210.6	210.4	210.2	209.8	209.5	208.5	207.8	207.0	206.1	205.3	204.5
145°	208.4	208.2	208.2	207.8	207.7	206.7	205.9	204.8	204.2	203.2	202.4
147.5°	206.1	205.9	205.9	205.8	205.8	204.9	204.4	203.5	202.9	202.1	201.6
150°	204.6	204.6	204.6	204.4	204.3	203.6	203.0	202.2	201.7	200.8	200.3
152.5°	203.3	203.4	203.4	203.4	203.5	202.8	202.2	201.5	200.8	200.1	199.5
155°	202.5	202.6	202.7	202.7	202.7	202.1	201.6	200.9	200.4	199.8	199.2
157.5°	202.1	202.3	202.5	202.6	202.7	202.2	201.7	201.2	200.8	200.2	199.8
160°	202.4	202.7	202.8	202.9	203.1	202.7	202.5	201.9	201.7	201.1	200.6
162.5°	203.4	203.7	203.8	203.9	204.1	203.7	203.5	203.1	202.7	202.1	201.7
165°	203.9	203.9	204.2	204.2	204.3	204.0	203.8	203.6	203.3	203.0	202.7
167.5°	205.7	205.7	206.0	206.0	206.1	205.9	206.0	205.6	205.5	205.3	205.1
170°	206.8	206.9	206.9	207.0	207.1	206.9	206.7	206.6	206.6	206.1	205.9
172.5°	207.4	207.4	207.4	207.5	207.4	207.3	207.2	207.1	207.0	206.9	206.7
175°	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.4	207.4	207.3
177.5°	208.7	208.6	208.4	208.3	208.2	208.1	208.1	208.1	208.2	208.1	208.0
180°	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1



TEST NUMBER: P1444738
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CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7
2.5°	24029.1	23880.8	23861.1	23871.5	23896.4	23905.5	23932.3	23939.6	23966.5	23973.1	23999.1
5°	24524.9	24328.8	24338.6	24385.7	24457.1	24499.7	24569.9	24606.6	24673.5	24704.0	24764.6
7.5°	25047.8	24893.7	24941.7	25021.3	25118.9	25186.5	25270.8	25325.7	25398.4	25443.5	25501.7
10°	25304.4	25262.3	25315.1	25377.8	25433.4	25477.0	25512.8	25541.4	25560.1	25577.7	25585.3
12.5°	25109.1	25174.5	25183.4	25177.4	25140.5	25112.3	25049.0	25006.0	24929.7	24883.2	24792.3
15°	24385.0	24528.5	24449.0	24328.6	24152.4	24005.6	23798.1	23643.7	23427.6	23281.1	23064.4
17.5°	23114.0	23295.3	23088.1	22809.5	22455.0	22151.9	21774.3	21474.7	21099.3	20826.2	20475.9
20°	21324.8	21494.2	21124.6	20662.8	20114.5	19653.1	19109.0	18674.9	18169.4	17793.2	17339.3
22.5°	19097.2	19217.8	18697.1	18074.5	17376.1	16799.6	16149.1	15628.6	15051.6	14621.6	14137.6
25°	16632.6	16665.2	16040.6	15323.3	14544.8	13897.0	13202.5	12655.3	12066.8	11631.0	11156.0
27.5°	14145.1	14097.4	13422.3	12661.7	11842.8	11169.5	10492.1	9979.3	9463.9	9071.4	8662.1
30°	11797.2	11681.7	10980.7	10198.9	9404.1	8800.5	8238.2	7826.4	7416.4	7105.0	6776.5
32.5°	9644.2	9481.1	8798.8	8066.4	7396.6	6930.9	6513.9	6202.3	5871.2	5608.2	5332.5
35°	7737.2	7563.4	6959.0	6338.1	5831.1	5487.8	5160.1	4904.4	4623.3	4401.4	4162.0
37.5°	6100.6	5958.1	5451.8	4963.2	4579.8	4313.8	4045.2	3836.3	3603.9	3506.3	3250.5
40°	4709.6	4610.0	4214.2	3854.0	3566.0	3441.1	3168.5	2973.3	2799.7	2656.5	2517.9
42.5°	3673.6	3638.4	3253.1	2972.2	2769.4	2611.9	2460.0	2336.7	2216.7	2118.0	2024.7
45°	2695.9	2668.0	2496.9	2334.8	2196.7	2086.6	1983.9	1899.0	1820.6	1755.6	1696.4
47.5°	2099.2	2090.4	1991.8	1891.3	1804.2	1733.5	1666.9	1610.6	1558.5	1515.1	1501.0
50°	1707.4	1706.3	1648.4	1586.4	1524.4	1483.6	1441.1	1407.7	1374.3	1348.3	1320.7
52.5°	1450.8	1444.5	1405.4	1367.1	1330.3	1303.5	1276.3	1255.1	1232.9	1216.8	1199.7
55°	1248.9	1255.5	1233.0	1210.1	1187.1	1170.4	1151.3	1137.3	1122.1	1112.0	1101.6
57.5°	1108.8	1117.5	1105.7	1092.7	1078.7	1067.7	1054.6	1044.9	1034.8	1028.2	1022.2
60°	1006.8	1016.4	1011.6	1005.0	996.4	989.9	981.5	976.1	969.6	966.0	962.6
62.5°	920.3	932.3	930.5	927.4	921.9	918.3	913.7	911.3	907.0	905.4	903.8
65°	834.0	847.4	847.1	845.6	842.5	841.5	838.6	838.2	835.9	836.8	836.6
67.5°	766.1	777.7	780.3	782.2	782.1	782.8	782.5	783.7	783.7	785.3	786.4
70°	717.1	725.2	727.1	729.1	729.7	731.2	731.2	732.2	732.0	733.4	733.5
72.5°	667.6	678.3	680.2	681.8	681.8	683.3	682.6	682.3	680.1	679.7	678.2
75°	606.0	619.7	622.6	624.6	624.9	626.2	624.4	623.2	619.7	618.2	615.8
77.5°	541.6	555.9	557.9	558.7	557.5	557.8	553.9	551.2	546.8	544.9	542.5
80°	457.9	478.8	480.4	479.2	475.9	475.4	471.6	469.1	463.7	461.9	459.8
82.5°	348.4	373.0	376.4	377.8	375.2	375.9	372.2	370.9	365.9	365.0	361.7
85°	220.0	244.5	248.6	248.0	245.3	244.7	242.5	243.3	242.8	244.2	244.9
87.5°	101.1	124.8	130.5	128.7	128.4	126.8	123.0	124.3	126.7	128.2	128.2
90°	27.6	35.9	36.8	36.5	33.9	33.3	30.8	30.7	28.6	28.4	26.4
92.5°	33.2	35.0	36.8	35.2	33.5	31.9	30.3	28.5	27.0	25.3	23.7
95°	41.1	43.6	46.2	44.0	41.8	39.6	37.4	35.3	33.2	31.0	28.8
97.5°	46.2	49.2	52.2	50.0	47.9	45.6	43.4	41.3	39.2	36.9	34.7
100°	78.3	85.1	92.2	86.0	79.8	73.6	67.4	61.4	55.2	49.0	42.8
102.5°	173.7	190.8	208.0	192.3	176.7	161.1	145.5	129.9	114.3	98.5	83.0
105°	310.9	336.8	362.9	338.9	315.0	291.2	267.4	243.6	219.8	195.9	172.1
107.5°	418.2	442.3	466.7	445.0	423.4	401.9	380.2	358.6	337.1	315.4	293.9
110°	471.9	490.6	509.9	495.2	480.7	466.1	451.6	436.9	422.4	408.0	393.5



TEST NUMBER: P1444738
 CATALOG NUMBER: EHBR1-30-UNV-TA-L935-UPL12

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	472.7	485.9	499.8	491.0	482.4	473.8	465.2	456.5	448.0	439.5	431.1
115°	433.8	441.0	449.2	445.6	442.0	438.4	434.8	431.3	427.7	424.2	420.8
117.5°	385.1	387.9	391.7	390.7	389.8	388.8	387.9	387.1	386.3	385.5	384.6
120°	334.3	333.9	334.5	334.4	334.6	334.6	334.8	334.8	335.0	335.1	335.3
122.5°	291.9	289.4	288.0	287.9	288.0	287.9	287.9	287.9	287.9	288.0	288.2
125°	262.2	258.7	256.5	255.5	254.5	253.4	252.3	251.2	250.4	249.4	248.5
127.5°	241.4	237.5	235.2	233.4	231.7	229.7	227.9	225.9	224.3	222.3	220.7
130°	227.5	223.6	221.4	219.2	217.2	214.8	212.7	210.5	208.4	206.2	204.0
132.5°	218.2	214.3	212.3	210.2	208.2	206.0	204.0	201.7	199.6	197.4	195.4
135°	213.0	209.3	207.5	205.5	203.7	201.7	199.7	197.8	195.9	193.7	192.0
137.5°	208.8	205.1	203.5	201.7	200.4	198.7	197.1	195.4	193.8	192.0	190.5
140°	205.6	201.7	200.1	199.1	198.1	196.9	195.9	194.9	193.8	192.7	191.5
142.5°	203.6	199.8	198.3	197.6	196.9	196.0	195.5	194.7	194.0	193.0	192.2
145°	201.5	197.2	195.7	195.3	195.2	194.9	194.6	194.2	194.0	193.5	193.2
147.5°	200.7	196.3	194.7	194.6	194.5	194.4	194.4	194.1	194.1	194.0	193.9
150°	199.4	194.5	192.7	192.8	192.8	192.9	193.0	193.0	193.2	193.2	193.3
152.5°	198.7	192.8	190.7	190.8	191.1	191.1	191.3	191.5	191.8	192.0	192.1
155°	198.4	192.0	189.7	189.6	189.6	189.8	189.8	190.0	190.1	190.2	190.4
157.5°	199.0	192.2	190.1	189.9	189.8	189.8	189.8	189.8	189.9	190.0	190.1
160°	200.1	193.2	191.1	190.8	190.8	190.7	190.6	190.5	190.6	190.7	190.8
162.5°	201.1	194.4	192.3	192.1	191.8	191.8	191.8	191.5	191.6	191.6	191.7
165°	202.3	196.4	194.4	194.1	194.1	194.0	194.0	193.9	194.0	194.0	194.2
167.5°	204.6	199.4	197.9	197.6	197.3	197.0	197.0	196.7	196.7	196.5	196.5
170°	205.6	201.5	200.1	200.0	200.1	199.9	199.8	199.8	199.8	199.7	199.8
172.5°	206.6	203.5	202.5	202.5	202.7	202.7	202.8	202.8	203.0	203.1	203.3
175°	207.2	205.4	204.9	204.8	204.8	204.9	205.0	205.0	205.1	205.2	205.4
177.5°	208.1	207.5	207.3	207.3	207.3	207.3	207.3	207.3	207.3	207.4	207.4
180°	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1



TEST NUMBER: P1444738
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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°	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7
2.5°	24003.9	24031.9	24029.8	24055.9	24054.5	24079.2	24074.2	24095.5	24090.7	24108.8	24098.1
5°	24791.3	24844.5	24862.1	24910.1	24920.1	24963.0	24963.9	24998.1	24993.9	25020.7	25006.4
7.5°	25536.1	25585.8	25609.3	25646.7	25665.3	25696.2	25708.3	25733.8	25739.8	25754.8	25754.3
10°	25598.9	25598.7	25610.4	25605.2	25615.6	25609.6	25622.3	25617.8	25636.5	25631.7	25645.9
12.5°	24753.1	24669.2	24638.6	24563.2	24546.7	24481.9	24486.6	24445.1	24465.1	24439.6	24483.0
15°	22935.4	22740.6	22644.4	22475.1	22421.9	22288.2	22277.3	22188.4	22212.4	22165.9	22233.9
17.5°	20249.2	19942.6	19774.4	19527.1	19429.0	19239.7	19201.8	19087.4	19105.1	19047.4	19129.5
20°	17046.5	16676.0	16463.8	16177.9	16050.4	15824.8	15764.9	15636.9	15652.9	15595.6	15688.5
22.5°	13807.3	13419.6	13179.9	12880.3	12717.4	12505.3	12441.5	12312.9	12320.3	12266.4	12355.8
25°	10830.6	10458.9	10226.3	9954.1	9812.7	9618.2	9551.3	9435.9	9442.4	9398.0	9478.1
27.5°	8378.3	8073.2	7878.6	7650.5	7523.8	7363.8	7298.6	7201.5	7201.2	7168.7	7235.7
30°	6547.1	6292.6	6117.9	5919.2	5800.2	5655.9	5592.9	5506.0	5502.2	5479.1	5532.3
32.5°	5126.3	4899.9	4740.6	4565.6	4458.9	4335.0	4275.3	4205.5	4199.1	4178.3	4222.0
35°	3985.0	3794.3	3657.3	3510.1	3521.0	3338.3	3368.6	3226.7	3188.2	3179.8	3212.3
37.5°	3080.0	2932.2	2820.9	2710.7	2636.1	2558.8	2517.2	2479.9	2475.6	2472.0	2494.9
40°	2410.7	2307.4	2226.5	2150.8	2099.4	2052.3	2026.3	2005.8	2000.9	1998.2	2012.0
42.5°	1951.1	1881.4	1829.2	1783.1	1751.8	1726.2	1712.0	1700.5	1696.7	1696.8	1705.0
45°	1648.4	1606.2	1572.6	1543.8	1523.9	1532.7	1506.9	1520.4	1502.5	1521.0	1508.9
47.5°	1451.7	1415.7	1394.8	1374.5	1362.5	1352.8	1353.1	1353.3	1357.0	1357.7	1361.7
50°	1299.9	1279.0	1264.6	1251.6	1245.3	1240.2	1241.9	1243.3	1247.0	1247.3	1250.2
52.5°	1187.5	1173.8	1165.1	1157.0	1154.2	1151.3	1152.6	1152.0	1153.7	1152.9	1155.2
55°	1096.0	1089.6	1086.9	1083.9	1084.3	1083.5	1084.1	1081.2	1079.3	1077.2	1079.2
57.5°	1021.1	1020.2	1022.0	1023.2	1026.7	1028.0	1028.7	1025.3	1022.2	1019.3	1021.0
60°	963.2	964.6	969.2	972.9	977.8	980.2	981.6	979.7	977.3	974.9	976.4
62.5°	906.1	908.4	913.9	918.0	924.0	927.1	930.5	930.7	931.6	930.7	931.7
65°	840.0	842.7	847.7	851.1	856.7	859.4	862.9	863.6	865.5	865.1	866.7
67.5°	789.7	792.1	796.3	799.6	804.5	807.4	810.4	810.6	811.3	811.2	812.7
70°	736.0	737.2	740.9	743.6	748.6	751.5	755.1	756.2	758.3	758.7	760.5
72.5°	678.8	678.3	680.5	681.7	685.5	687.7	692.3	694.7	698.4	699.4	700.7
75°	616.5	615.9	618.6	619.7	622.8	625.1	630.2	633.4	639.1	641.6	641.0
77.5°	544.3	545.6	550.5	553.3	557.5	560.5	567.0	572.2	582.7	587.3	582.6
80°	463.7	465.0	470.1	472.7	478.3	481.8	489.1	495.2	504.6	506.6	504.0
82.5°	364.5	364.9	369.5	371.4	378.7	383.9	393.2	398.1	403.9	403.0	402.2
85°	248.6	252.0	257.7	263.4	272.3	280.7	289.5	296.6	291.6	299.6	290.6
87.5°	132.9	132.5	140.3	139.0	151.4	158.5	166.1	169.8	173.8	173.0	173.1
90°	26.5	24.9	25.4	23.7	24.8	22.9	24.7	23.0	25.1	22.9	26.5
92.5°	22.0	21.2	20.3	19.5	18.5	17.8	16.8	15.9	15.0	14.1	15.0
95°	26.6	25.8	25.0	24.1	23.3	22.6	21.8	20.9	20.1	19.3	20.3
97.5°	32.5	32.1	31.6	31.1	30.6	30.2	29.7	29.2	28.6	28.2	28.8
100°	36.6	36.6	36.6	36.6	36.4	36.4	36.4	36.4	36.4	36.4	37.0
102.5°	67.3	65.8	64.3	62.6	61.1	59.5	57.9	56.4	54.8	53.3	55.6
105°	148.3	142.2	136.0	129.9	123.7	117.6	111.6	105.4	99.3	93.3	99.5
107.5°	272.4	261.3	250.1	239.0	227.9	216.7	205.6	194.6	183.4	172.4	182.4
110°	379.0	367.2	355.3	343.5	331.6	319.8	308.1	296.3	284.5	272.7	282.1



TEST NUMBER: P1444738
 CATALOG NUMBER: EHBR1-30-UNV-TA-L935-UPL12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	422.5	414.6	407.0	399.3	391.6	384.1	376.4	368.8	361.3	353.6	358.3
115°	417.3	413.6	409.8	406.1	402.6	398.8	395.2	391.5	388.0	384.4	384.6
117.5°	383.9	382.5	381.2	379.8	378.5	377.3	376.0	374.9	373.7	372.6	370.1
120°	335.7	335.8	335.9	336.2	336.5	336.9	337.1	337.6	338.1	338.5	335.1
122.5°	288.3	288.8	289.5	290.3	291.0	291.8	292.7	293.7	294.7	295.7	292.3
125°	247.5	248.1	248.6	249.4	250.0	250.9	251.7	252.8	253.7	254.8	251.9
127.5°	219.0	218.9	218.8	219.0	219.0	219.2	219.5	220.0	220.4	221.0	219.2
130°	201.8	201.1	200.5	199.8	199.2	198.8	198.6	198.2	198.0	197.9	197.2
132.5°	193.2	192.1	190.9	189.9	188.9	188.1	187.2	186.6	186.0	185.5	185.3
135°	189.9	188.4	187.0	185.6	184.3	183.4	182.3	181.4	180.5	179.8	180.1
137.5°	188.8	187.4	186.0	184.7	183.4	182.4	181.2	180.3	179.5	178.7	179.2
140°	190.5	189.1	187.6	186.3	185.2	184.1	183.0	182.2	181.2	180.6	180.9
142.5°	191.4	190.3	189.0	187.8	186.7	185.8	184.9	184.1	183.2	182.7	183.0
145°	192.9	192.0	191.0	190.1	189.2	188.7	187.8	187.3	186.8	186.5	186.7
147.5°	193.6	193.0	192.1	191.6	190.8	190.4	189.8	189.5	189.1	188.9	189.0
150°	193.3	193.0	192.4	192.1	191.6	191.3	191.0	190.8	190.5	190.4	190.4
152.5°	192.3	192.1	191.6	191.3	191.0	190.8	190.5	190.4	190.2	190.1	190.1
155°	190.6	190.4	190.3	190.1	190.1	190.1	190.1	190.1	190.1	190.2	190.3
157.5°	190.2	190.2	190.2	190.4	190.4	190.6	190.6	190.9	191.0	191.2	191.4
160°	191.1	191.1	191.0	191.1	191.1	191.2	191.3	191.5	191.6	191.8	192.1
162.5°	191.8	192.1	192.1	192.2	192.5	192.7	193.0	193.3	193.5	193.9	194.1
165°	194.3	194.3	194.2	194.3	194.5	194.6	194.7	195.0	195.1	195.4	195.8
167.5°	196.4	196.6	196.6	196.7	196.9	197.1	197.3	197.6	197.9	198.3	198.6
170°	199.7	199.7	199.7	199.7	199.7	199.8	199.9	200.0	200.1	200.4	200.6
172.5°	203.3	203.3	203.1	203.3	203.1	203.3	203.3	203.4	203.4	203.5	203.6
175°	205.3	205.6	205.6	205.7	205.7	205.8	205.9	205.9	206.0	206.2	206.2
177.5°	207.4	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5
180°	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1



TEST NUMBER: P1444738
 CATALOG NUMBER: EHBR1-30-UNV-TA-L935-UPL12

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7
2.5°	24115.9	24103.8	24116.1	24103.6	24116.1	24101.1	24111.3	24095.0	24099.2	24082.3	24086.7
5°	25027.7	25008.5	25018.8	24993.7	24996.4	24963.0	24962.4	24923.6	24913.4	24869.1	24849.6
7.5°	25765.0	25758.8	25762.3	25746.3	25744.4	25721.6	25710.7	25678.7	25658.4	25617.8	25589.9
10°	25648.4	25667.1	25672.0	25691.2	25695.2	25714.1	25718.1	25737.1	25741.0	25755.1	25755.2
12.5°	24480.9	24544.8	24560.1	24638.9	24672.1	24762.3	24810.7	24910.1	24969.1	25068.2	25129.2
15°	22232.0	22342.5	22386.5	22540.4	22625.6	22805.3	22918.3	23124.6	23270.3	23489.4	23645.8
17.5°	19136.8	19291.0	19360.7	19569.5	19705.7	19971.0	20162.1	20476.8	20717.7	21067.4	21344.6
20°	15704.3	15875.9	15970.4	16208.5	16369.3	16679.2	16917.9	17304.6	17627.1	18070.2	18449.1
22.5°	12383.7	12546.9	12651.9	12894.3	13075.2	13398.4	13665.2	14073.4	14434.7	14934.0	15388.3
25°	9508.4	9657.9	9752.8	9972.0	10141.9	10438.9	10693.7	11086.2	11439.8	11940.6	12406.6
27.5°	7269.0	7394.3	7485.7	7672.6	7822.5	8074.4	8293.3	8617.6	8922.3	9355.6	9770.5
30°	5565.0	5676.1	5765.1	5927.8	6066.8	6285.2	6477.6	6750.1	7002.2	7347.0	7677.1
32.5°	4252.7	4348.2	4427.5	4570.0	4696.1	4892.7	5066.1	5304.9	5521.3	5813.7	6085.3
35°	3242.5	3430.5	3417.2	3613.7	3645.3	3786.5	3941.2	4150.0	4341.6	4590.3	4821.4
37.5°	2516.7	2569.5	2626.3	2713.1	2804.4	2932.8	3063.5	3318.6	3412.2	3600.1	3791.4
40°	2029.5	2065.2	2102.6	2161.3	2225.2	2315.7	2410.8	2532.6	2657.4	2809.7	2965.3
42.5°	1715.8	1736.0	1759.8	1794.3	1833.7	1891.1	1954.7	2037.2	2124.0	2231.2	2340.7
45°	1532.9	1523.3	1530.3	1548.9	1572.7	1607.5	1647.7	1698.8	1755.3	1824.7	1898.8
47.5°	1362.5	1366.4	1368.5	1378.5	1391.2	1414.6	1439.0	1473.7	1540.7	1561.1	1601.4
50°	1249.9	1251.7	1251.2	1256.3	1262.7	1277.9	1293.7	1317.2	1340.6	1371.7	1401.4
52.5°	1155.6	1158.2	1157.8	1161.2	1164.6	1174.2	1184.2	1200.9	1216.2	1236.0	1253.0
55°	1081.1	1084.7	1086.1	1089.0	1090.6	1095.7	1099.6	1107.5	1114.1	1125.3	1135.6
57.5°	1023.8	1028.7	1031.0	1031.9	1030.0	1029.7	1028.3	1030.0	1031.4	1037.4	1043.2
60°	978.7	982.6	983.3	982.6	978.9	976.3	972.0	970.7	970.0	972.9	976.1
62.5°	931.4	932.9	931.9	930.7	926.5	923.9	919.6	917.9	916.4	918.5	920.1
65°	866.1	867.4	866.1	865.5	861.6	859.6	855.8	854.7	852.5	853.0	852.7
67.5°	813.1	814.3	813.3	812.3	809.7	808.4	805.7	804.0	801.4	800.5	798.7
70°	760.2	761.1	759.7	758.7	755.7	754.5	752.0	751.4	749.4	749.0	747.0
72.5°	699.4	699.5	697.3	696.7	694.5	694.4	693.3	694.3	694.2	695.3	694.9
75°	637.1	636.2	633.6	633.2	631.5	632.3	631.2	632.6	632.8	635.2	635.3
77.5°	574.8	571.5	566.5	564.1	560.7	560.4	558.4	559.7	559.3	561.9	563.0
80°	496.1	492.1	485.7	482.6	478.6	478.0	476.2	478.0	477.1	480.2	482.4
82.5°	396.1	392.6	385.9	383.5	378.8	379.3	377.4	379.3	379.0	383.6	386.3
85°	293.0	290.7	283.8	277.7	270.9	266.9	263.0	262.4	261.2	263.0	264.6
87.5°	169.2	167.1	161.7	158.2	146.3	146.8	142.1	141.8	140.7	139.7	142.1
90°	25.5	28.5	27.6	30.3	29.9	33.0	32.8	35.8	35.1	37.9	37.7
92.5°	15.9	16.8	17.7	18.5	19.4	20.3	21.1	22.0	23.9	25.6	27.7
95°	21.3	22.4	23.4	24.4	25.4	26.5	27.5	28.5	31.3	34.0	36.8
97.5°	29.6	30.2	30.9	31.5	32.3	32.9	33.6	34.3	37.3	40.3	43.3
100°	37.5	38.1	38.6	39.2	39.7	40.2	40.8	41.3	47.2	53.0	58.7
102.5°	57.9	60.2	62.4	64.8	67.2	69.4	71.8	74.0	87.4	100.5	113.7
105°	105.9	112.1	118.5	124.8	131.1	137.4	143.8	150.1	171.3	192.4	213.6
107.5°	192.2	202.2	212.2	222.1	232.1	242.2	252.1	262.1	282.8	303.5	324.1
110°	291.7	301.2	310.7	320.2	329.7	339.2	348.8	358.5	371.0	383.4	395.9



TEST NUMBER: P1444738
 CATALOG NUMBER: EHBR1-30-UNV-TA-L935-UPL12

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	363.0	367.5	372.2	376.9	381.7	386.4	391.1	395.9	402.2	408.4	414.8
115°	385.0	385.3	385.7	385.9	386.4	386.7	387.4	387.8	390.0	392.1	394.3
117.5°	367.5	365.1	362.6	360.2	357.7	355.6	353.2	351.0	350.8	350.7	350.6
120°	331.9	328.5	325.3	321.8	318.8	315.6	312.5	309.5	308.2	306.8	305.5
122.5°	289.0	285.8	282.6	279.3	276.2	273.3	270.4	267.5	266.6	265.8	265.1
125°	249.1	246.5	243.9	241.2	238.8	236.5	234.2	231.9	232.3	232.6	233.1
127.5°	217.6	216.1	214.6	213.2	211.9	210.6	209.5	208.4	209.6	210.8	212.1
130°	196.7	196.1	195.8	195.3	195.1	194.9	194.8	194.6	196.4	198.1	200.0
132.5°	185.5	185.6	185.8	186.1	186.5	187.0	187.6	188.0	190.1	192.0	194.0
135°	180.4	180.8	181.5	182.1	183.0	183.6	184.5	185.3	187.4	189.2	191.2
137.5°	179.8	180.4	181.1	181.8	182.8	183.6	184.8	185.7	187.2	188.9	190.5
140°	181.4	181.9	182.6	183.4	184.1	184.8	185.8	186.6	188.2	189.3	190.6
142.5°	183.6	183.8	184.5	185.2	186.0	186.6	187.5	188.1	189.2	190.1	191.5
145°	187.1	187.4	188.1	188.4	189.0	189.6	190.2	190.9	191.7	192.4	193.1
147.5°	189.3	189.6	190.1	190.5	191.1	191.5	192.0	192.3	193.0	193.6	194.1
150°	190.7	191.0	191.2	191.3	191.8	192.2	192.7	193.0	193.5	194.0	194.5
152.5°	190.4	190.6	190.9	191.1	191.4	191.8	192.1	192.4	193.0	193.2	193.7
155°	190.6	191.0	191.3	191.6	192.1	192.2	192.7	192.9	193.3	193.7	194.1
157.5°	191.8	192.0	192.4	192.6	193.0	193.2	193.6	193.9	194.3	194.6	195.0
160°	192.5	192.9	193.2	193.7	194.0	194.3	194.8	195.2	195.6	195.9	196.2
162.5°	194.5	194.9	195.2	195.5	195.8	196.1	196.4	196.8	197.3	197.6	198.0
165°	196.2	196.5	197.0	197.3	197.8	198.1	198.5	198.9	199.2	199.6	199.8
167.5°	198.9	199.2	199.8	200.0	200.4	200.8	201.1	201.5	201.8	202.0	202.4
170°	200.9	201.2	201.6	201.9	202.3	202.5	202.8	203.1	203.6	203.8	204.2
172.5°	203.8	204.0	204.3	204.5	204.7	205.0	205.3	205.5	205.8	206.1	206.3
175°	206.2	206.2	206.3	206.4	206.5	206.5	206.6	206.7	206.8	206.9	207.0
177.5°	207.6	207.6	207.7	207.8	207.9	207.9	208.0	208.1	208.1	208.1	208.1
180°	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1



TEST NUMBER: P1444738
 CATALOG NUMBER: EHBR1-30-UNV-TA-L935-UPL12

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7
2.5°	24069.8	24070.8	24051.4	24050.3	24032.2	24029.9	24012.2	24006.8	23992.4	23987.2	23972.5
5°	24800.1	24776.4	24721.8	24689.7	24635.7	24599.9	24541.4	24503.3	24446.9	24404.4	24347.6
7.5°	25538.6	25501.9	25440.6	25390.9	25315.9	25256.1	25168.4	25096.6	25001.6	24919.4	24819.6
10°	25755.2	25749.6	25733.9	25711.2	25676.3	25637.2	25577.5	25515.2	25432.0	25341.6	25230.8
12.5°	25222.3	25279.9	25358.3	25404.9	25461.4	25486.2	25509.4	25503.6	25488.3	25442.6	25378.5
15°	23872.2	24033.9	24248.0	24414.0	24604.9	24743.7	24897.0	24992.4	25087.6	25131.6	25158.5
17.5°	21724.4	22030.7	22414.6	22732.8	23100.0	23394.9	23718.2	23961.5	24211.8	24391.0	24553.2
20°	18965.7	19409.3	19952.4	20432.2	20990.0	21474.8	22006.0	22442.2	22891.9	23243.6	23576.4
22.5°	15973.4	16500.3	17156.8	17765.0	18484.2	19130.5	19859.8	20494.4	21157.1	21710.7	22245.9
25°	13030.9	13608.8	14326.7	15005.3	15819.7	16571.5	17436.3	18227.3	19083.8	19827.4	20562.0
27.5°	10344.0	10911.4	11644.3	12366.6	13227.9	14029.0	14955.5	15827.0	16802.3	17701.6	18621.5
30°	8135.7	8616.8	9274.0	9973.7	10823.1	11638.3	12575.0	13471.2	14485.8	15467.7	16503.9
32.5°	6445.6	6812.2	7328.9	7920.5	8704.3	9480.2	10372.1	11237.4	12236.4	13228.3	14306.0
35°	5119.0	5404.9	5798.9	6260.6	6924.3	7593.2	8382.1	9168.9	10100.9	11042.2	12089.7
37.5°	4036.6	4268.6	4577.1	4923.9	5456.3	6005.2	6652.1	7304.5	8114.4	8948.6	9898.0
40°	3152.1	3340.0	3580.2	3838.8	4240.8	4663.8	5164.1	5669.9	6320.6	7002.5	7788.2
42.5°	2476.3	2614.9	2784.5	2973.5	3348.6	3573.1	3912.4	4278.2	4756.6	5251.6	5842.3
45°	1988.7	2083.2	2200.8	2327.6	2501.7	2692.2	2924.5	3168.2	3622.6	3845.5	4204.7
47.5°	1660.8	1724.2	1799.1	1878.9	1981.6	2092.4	2230.2	2371.0	2553.2	2742.1	2963.4
50°	1439.9	1504.4	1530.1	1571.5	1630.9	1694.2	1771.9	1849.5	1947.2	2046.3	2160.2
52.5°	1275.9	1297.0	1325.0	1351.2	1388.0	1460.1	1483.4	1524.0	1578.8	1632.4	1692.2
55°	1150.8	1164.5	1182.7	1198.5	1220.8	1242.0	1272.8	1299.8	1336.4	1368.6	1408.3
57.5°	1053.3	1062.0	1074.7	1085.1	1099.5	1111.5	1129.6	1144.1	1165.2	1183.5	1207.6
60°	982.6	988.4	996.9	1003.7	1012.8	1019.1	1028.0	1034.9	1046.0	1055.2	1068.7
62.5°	924.7	927.7	933.2	937.2	943.1	946.3	951.0	954.0	960.2	964.8	972.3
65°	855.4	856.0	859.7	861.5	866.0	867.7	871.6	873.0	878.1	881.5	888.1
67.5°	798.5	796.9	797.0	795.7	796.3	794.9	795.3	793.9	795.9	797.0	802.0
70°	746.6	744.4	743.6	741.3	740.6	738.1	737.4	735.2	734.9	734.2	736.0
72.5°	696.1	695.4	695.6	693.9	693.7	692.1	692.2	691.1	692.3	692.8	695.1
75°	637.9	638.1	639.1	637.7	638.1	636.7	637.2	635.9	636.6	636.3	638.6
77.5°	567.1	568.7	571.8	571.2	572.2	570.6	571.3	569.4	570.0	568.7	569.6
80°	487.4	491.0	495.1	494.9	496.7	495.6	497.1	495.4	496.1	493.9	493.4
82.5°	392.9	395.9	400.3	400.5	404.4	405.0	409.4	409.2	411.9	410.2	408.9
85°	268.6	270.6	274.5	276.6	280.6	283.0	287.2	288.9	285.9	291.4	287.0
87.5°	140.3	145.5	142.6	149.4	147.7	154.6	153.2	159.5	158.2	163.8	163.0
90°	41.5	41.7	45.7	46.0	50.9	51.9	55.1	53.8	56.7	55.6	58.6
92.5°	29.5	31.5	33.4	35.3	37.3	39.2	37.4	35.6	33.9	32.2	30.4
95°	39.5	42.3	45.0	47.9	50.6	53.4	50.4	47.5	44.5	41.5	38.6
97.5°	46.3	49.2	52.2	55.2	58.3	61.3	57.7	54.2	50.7	47.2	43.8
100°	64.5	70.3	76.1	81.8	87.6	93.4	86.9	80.3	73.9	67.2	60.7
102.5°	127.1	140.3	153.5	166.9	180.0	193.3	179.5	165.7	151.8	137.9	124.0
105°	234.8	256.0	277.2	298.4	319.6	341.0	318.5	296.0	273.4	251.1	228.5
107.5°	344.9	365.5	386.4	406.9	427.7	448.5	425.8	403.0	380.3	357.4	334.6
110°	408.5	420.9	433.5	446.0	458.5	471.2	454.6	438.1	421.5	404.9	388.3



TEST NUMBER: P1444738
 CATALOG NUMBER: EHBR1-30-UNV-TA-L935-UPL12

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	421.2	427.7	434.0	440.6	446.9	453.3	441.6	429.9	418.0	406.2	394.4
115°	396.6	398.8	401.1	403.3	405.5	407.8	400.0	392.1	384.3	376.5	368.4
117.5°	350.5	350.7	350.5	350.7	350.5	350.5	346.1	342.0	337.6	333.3	329.0
120°	304.2	302.9	301.6	300.4	299.0	297.6	296.1	294.5	292.7	291.1	289.3
122.5°	264.3	263.7	262.8	262.1	261.3	260.5	260.1	259.8	259.2	258.8	258.2
125°	233.5	233.9	234.3	234.6	235.0	235.4	235.3	235.3	235.2	235.2	235.0
127.5°	213.3	214.5	215.6	216.8	217.9	219.1	219.2	219.5	219.8	220.1	220.2
130°	201.7	203.6	205.3	206.9	208.5	210.4	210.4	210.6	210.7	210.9	211.1
132.5°	195.9	197.9	199.8	201.8	203.6	205.4	205.5	205.7	205.6	205.9	205.9
135°	193.0	195.0	196.7	198.6	200.2	202.0	202.0	202.1	202.0	202.2	202.2
137.5°	192.0	193.5	195.0	196.5	197.9	199.4	199.2	199.4	199.3	199.5	199.5
140°	191.9	193.1	194.3	195.7	196.7	197.9	197.9	197.8	197.7	197.6	197.3
142.5°	192.4	193.4	194.2	195.4	196.2	197.3	196.9	196.6	196.2	195.9	195.6
145°	193.9	194.8	195.4	196.1	196.7	197.5	196.9	196.5	195.9	195.6	195.0
147.5°	194.7	195.3	195.7	196.1	196.4	197.0	196.5	196.0	195.6	195.0	194.5
150°	194.8	195.4	195.8	196.1	196.5	197.0	196.4	195.9	195.2	194.7	194.1
152.5°	194.1	194.6	195.0	195.2	195.6	195.9	195.3	195.0	194.2	193.6	193.0
155°	194.3	194.8	195.0	195.3	195.4	195.7	195.0	194.8	194.2	193.7	193.1
157.5°	195.2	195.6	195.9	196.0	196.2	196.5	196.0	195.7	195.2	195.0	194.4
160°	196.5	196.8	197.0	197.2	197.5	197.5	197.1	197.0	196.7	196.3	195.9
162.5°	198.3	198.8	199.0	199.2	199.5	199.8	199.4	199.1	198.7	198.3	197.9
165°	200.1	200.4	200.7	200.9	201.0	201.2	200.9	200.8	200.5	200.3	199.9
167.5°	202.6	202.9	203.1	203.4	203.5	203.7	203.4	203.3	202.9	202.7	202.4
170°	204.4	204.6	205.0	205.2	205.4	205.6	205.5	205.3	205.0	204.8	204.6
172.5°	206.5	206.7	206.8	207.0	207.1	207.4	207.2	206.9	206.7	206.5	206.2
175°	207.0	207.1	207.3	207.3	207.3	207.4	207.2	207.0	206.7	206.6	206.4
177.5°	208.1	208.1	208.1	208.0	208.0	208.0	207.9	207.7	207.6	207.5	207.3
180°	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1



TEST NUMBER: P1444738
 CATALOG NUMBER: EHBR1-30-UNV-TA-L935-UPL12

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7	23817.7
2.5°	23967.3	23956.9	23950.2	23941.7	23936.4	23929.8	23924.9	23920.8	23917.5	23914.4	23912.0
5°	24304.3	24250.7	24209.2	24164.2	24127.2	24090.3	24061.9	24038.3	24022.1	24009.8	24002.7
7.5°	24733.4	24635.4	24548.1	24456.4	24374.1	24293.2	24223.4	24163.3	24118.1	24089.0	24071.2
10°	25116.6	24985.3	24855.5	24718.9	24589.3	24463.5	24347.6	24245.6	24164.8	24111.2	24079.8
12.5°	25288.4	25176.6	25044.0	24895.6	24736.8	24576.1	24419.5	24278.3	24159.7	24080.3	24034.3
15°	25137.1	25091.2	25001.3	24886.1	24735.4	24569.2	24385.4	24212.6	24053.5	23950.5	23890.7
17.5°	24645.0	24709.1	24702.2	24658.1	24549.8	24410.0	24222.6	24028.5	23829.7	23691.8	23616.6
20°	23814.5	24016.0	24118.1	24170.6	24128.1	24037.4	23867.7	23670.8	23438.9	23259.0	23149.2
22.5°	22647.5	23003.2	23224.8	23386.9	23421.4	23390.5	23240.6	23053.3	22794.9	22578.7	22416.5
25°	21145.1	21666.2	22016.5	22291.1	22397.7	22425.2	22297.8	22111.4	21823.4	21571.4	21348.8
27.5°	19375.5	20052.6	20520.3	20889.3	21055.7	21128.0	21010.7	20820.6	20479.8	20179.1	19888.1
30°	17383.4	18186.6	18749.7	19192.2	19395.2	19490.5	19365.9	19153.7	18757.2	18395.3	18028.8
32.5°	15251.1	16130.0	16743.6	17224.2	17425.3	17515.1	17352.0	17113.7	16655.3	16229.0	15801.6
35°	13018.6	13905.8	14524.6	14992.2	15160.9	15215.0	15006.5	14730.9	14223.2	13755.3	13289.2
37.5°	10740.6	11566.1	12128.5	12548.2	12652.5	12661.9	12410.6	12106.4	11572.7	11111.3	10647.4
40°	8482.4	9178.6	9632.6	9968.5	10004.8	9972.4	9699.4	9393.1	8893.9	8480.5	8073.2
42.5°	6355.3	6880.8	7204.7	7434.9	7421.2	7357.4	7107.0	6843.8	6431.9	6117.0	5796.5
45°	4532.9	4879.4	5068.8	5203.5	5160.3	5099.5	4904.5	4720.1	4440.1	4236.7	4021.4
47.5°	3149.0	3562.8	3490.8	3754.2	3527.3	3677.2	3365.0	3192.9	3044.4	2936.3	2814.6
50°	2254.4	2349.3	2395.1	2426.3	2409.7	2386.6	2330.6	2280.5	2212.6	2163.1	2105.5
52.5°	1741.1	1788.5	1814.4	1833.2	1829.5	1821.1	1796.7	1774.3	1742.6	1721.7	1696.4
55°	1474.8	1475.4	1523.2	1502.7	1533.0	1497.5	1511.5	1472.2	1478.6	1444.8	1422.1
57.5°	1225.4	1244.9	1253.6	1262.1	1259.7	1258.3	1248.7	1244.0	1233.3	1230.1	1222.5
60°	1078.0	1088.1	1090.2	1094.1	1090.9	1089.6	1082.2	1079.5	1072.4	1071.1	1066.0
62.5°	976.8	982.0	982.0	982.0	977.7	973.8	965.5	961.2	955.1	953.7	950.8
65°	892.5	897.8	898.7	899.8	896.7	893.5	886.3	881.7	875.4	873.0	869.6
67.5°	805.3	811.1	813.0	815.9	814.2	813.5	808.5	806.7	802.6	801.6	798.5
70°	736.8	739.3	739.1	739.0	735.1	731.7	726.0	723.3	718.9	718.0	715.2
72.5°	696.2	697.9	696.8	695.3	690.3	685.2	678.5	673.5	667.9	664.3	660.4
75°	638.9	641.1	639.7	638.7	634.2	630.9	625.5	622.7	618.8	617.7	614.9
77.5°	568.5	569.6	567.4	567.1	563.6	561.5	557.4	556.8	553.9	553.9	551.2
80°	490.2	489.6	486.0	485.2	481.8	480.9	477.7	477.9	475.6	476.5	474.7
82.5°	403.4	401.2	396.3	394.9	391.0	390.6	388.5	390.3	388.8	391.0	389.7
85°	289.1	289.7	287.6	287.6	286.4	286.8	286.6	287.9	288.1	290.0	289.9
87.5°	161.1	163.5	163.0	165.1	165.0	167.5	168.2	171.7	172.2	175.5	175.5
90°	57.6	60.7	59.5	63.0	62.6	66.3	66.6	70.2	70.1	73.2	72.3
92.5°	28.5	26.8	25.1	23.3	22.4	21.4	20.8	19.6	18.9	17.9	16.9
95°	35.6	32.6	29.6	26.6	25.6	24.6	23.6	22.6	21.5	20.5	19.5
97.5°	40.2	36.7	33.2	29.6	28.7	27.9	26.9	26.0	25.2	24.3	23.4
100°	54.1	47.6	41.1	34.4	33.7	33.0	32.2	31.4	30.7	29.9	29.1
102.5°	110.1	96.3	82.3	68.3	65.7	63.1	60.5	57.7	55.0	52.4	49.8
105°	206.0	183.4	160.9	138.3	131.1	124.0	116.8	109.6	102.3	95.2	88.0
107.5°	311.8	288.8	266.0	243.1	229.9	216.6	203.4	190.1	176.8	163.5	150.3
110°	371.7	355.0	338.3	321.6	311.1	300.4	289.7	279.0	268.5	257.7	247.0



TEST NUMBER: P1444738
 CATALOG NUMBER: EHBR1-30-UNV-TA-L935-UPL12

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	382.6	370.7	358.8	346.8	342.0	337.2	332.5	327.6	322.9	317.9	313.1
115°	360.5	352.7	344.6	336.5	335.0	333.3	331.7	330.0	328.4	326.6	324.9
117.5°	324.7	320.3	315.9	311.5	311.9	312.2	312.7	313.0	313.2	313.4	313.8
120°	287.6	285.9	284.2	282.4	284.1	285.7	287.3	288.8	290.3	291.7	293.1
122.5°	257.8	257.2	256.8	256.1	258.2	260.1	262.0	263.9	265.6	267.3	269.0
125°	235.0	234.9	234.8	234.6	236.6	238.6	240.6	242.4	244.3	245.9	247.6
127.5°	220.5	220.8	221.0	221.1	222.8	224.1	225.7	226.9	228.4	229.5	230.7
130°	211.2	211.2	211.4	211.5	213.0	214.4	215.9	217.0	218.2	219.2	220.2
132.5°	206.1	206.1	206.3	206.3	207.5	208.5	209.6	210.4	211.4	212.1	212.7
135°	202.3	202.3	202.3	202.2	203.4	204.5	205.5	206.3	207.2	207.7	208.4
137.5°	199.5	199.4	199.5	199.4	200.5	201.4	202.4	203.0	203.7	204.4	204.9
140°	197.3	197.1	197.1	196.9	197.9	198.7	199.5	200.2	200.9	201.4	201.8
142.5°	195.3	194.9	194.8	194.3	195.0	195.6	196.2	196.8	197.3	197.7	197.9
145°	194.6	194.0	193.7	193.0	193.6	194.0	194.7	195.1	195.4	195.6	195.9
147.5°	194.1	193.5	192.9	192.3	193.0	193.2	193.6	193.8	194.2	194.3	194.5
150°	193.5	192.8	192.1	191.4	191.8	192.0	192.2	192.5	192.8	192.8	193.0
152.5°	192.4	191.7	191.1	190.3	190.5	190.6	190.8	190.9	191.1	191.1	191.1
155°	192.5	191.9	191.3	190.7	190.8	191.0	191.0	191.1	191.0	191.0	190.9
157.5°	194.0	193.3	193.0	192.3	192.3	192.3	192.3	192.1	192.1	191.9	191.6
160°	195.6	195.0	194.7	194.1	194.0	194.0	194.0	193.7	193.6	193.3	193.0
162.5°	197.4	196.9	196.3	195.8	195.7	195.7	195.5	195.3	195.2	195.0	194.7
165°	199.7	199.3	198.9	198.4	198.3	198.1	198.0	197.8	197.6	197.2	196.9
167.5°	202.0	201.7	201.3	200.8	200.8	200.8	200.7	200.5	200.3	200.0	199.9
170°	204.3	203.9	203.7	203.3	203.1	203.0	202.8	202.7	202.4	202.2	201.9
172.5°	205.8	205.6	205.2	204.7	204.7	204.6	204.5	204.4	204.2	204.0	203.9
175°	206.1	205.8	205.5	205.3	205.2	205.1	205.0	204.9	204.7	204.6	204.5
177.5°	207.1	207.0	206.6	206.6	206.5	206.5	206.4	206.3	206.3	206.2	206.1
180°	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1



TEST NUMBER: P1444738
 CATALOG NUMBER: EHBR1-30-UNV-TA-L935-UPL12

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	23817.7	23817.7
2.5°	23910.0	23908.7
5°	23998.9	23997.4
7.5°	24066.5	24066.0
10°	24074.4	24078.5
12.5°	24026.4	24029.8
15°	23886.1	23892.6
17.5°	23617.9	23626.5
20°	23155.9	23164.9
22.5°	22407.7	22411.4
25°	21319.9	21304.5
27.5°	19837.0	19810.5
30°	17951.8	17926.1
32.5°	15704.1	15688.1
35°	13174.0	13163.9
37.5°	10510.2	10489.7
40°	7924.3	7864.1
42.5°	5656.1	5550.5
45°	3908.9	3783.7
47.5°	2728.8	2651.4
50°	2068.3	2043.4
52.5°	1685.3	1679.5
55°	1422.0	1419.5
57.5°	1224.2	1223.3
60°	1068.7	1068.5
62.5°	952.8	953.3
65°	871.2	871.3
67.5°	799.3	798.7
70°	716.3	715.6
72.5°	659.0	658.1
75°	614.9	614.3
77.5°	552.0	551.0
80°	475.9	474.7
82.5°	391.4	390.1
85°	292.0	292.1
87.5°	178.6	178.5
90°	75.3	74.0
92.5°	16.3	15.6
95°	18.5	17.5
97.5°	22.6	21.7
100°	28.4	27.6
102.5°	47.1	44.5
105°	80.8	73.7
107.5°	136.9	123.7
110°	236.3	225.6



TEST NUMBER: P1444738
CATALOG NUMBER: EHBR1-30-UNV-TA-L935-UPL12

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	308.2	303.3
115°	322.9	321.2
117.5°	313.9	314.0
120°	294.3	295.6
122.5°	270.4	272.0
125°	249.1	250.6
127.5°	231.6	232.5
130°	220.9	221.7
132.5°	213.2	213.5
135°	208.6	209.0
137.5°	205.1	205.4
140°	202.0	202.2
142.5°	198.1	198.2
145°	196.0	196.0
147.5°	194.2	194.3
150°	192.8	192.8
152.5°	190.9	190.9
155°	190.7	190.5
157.5°	191.2	191.1
160°	192.7	192.5
162.5°	194.3	194.1
165°	196.5	196.1
167.5°	199.5	199.4
170°	201.7	201.5
172.5°	203.7	203.5
175°	204.4	204.3
177.5°	206.1	205.9
180°	207.1	207.1

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-6

Test Date: 08/01/2025

Luminaire Tested: EHBR-60-L935-N

Data in this report applies to families of products including EHBR-60-L935-N

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-6
 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-L935-N**
 Description: Elevate Round Highbay at, 60000 lumens, 3500K 90CRI LEDs with N lens

Spectral Parameters

CCT (K): 3406
 CIE u': 0.2394
 CIE v': 0.5094
 Duv: -0.0028
 CIE x: 0.4076
 CIE y: 0.3856
 CIE z: 0.2068
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 582
 Purity: 38.0517
 Rf: 91.3
 Rg: 100

CRI (Ra):	94.6		
R1:	96.6	R9:	63.8
R2:	98.4	R10:	94.7
R3:	98.1	R11:	96.6
R4:	95.8	R12:	80.9
R5:	96.2	R13:	97.4
R6:	95.4	R14:	98.3
R7:	91.8	R15:	93.1
R8:	84.4		



Test Conditions

Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.0

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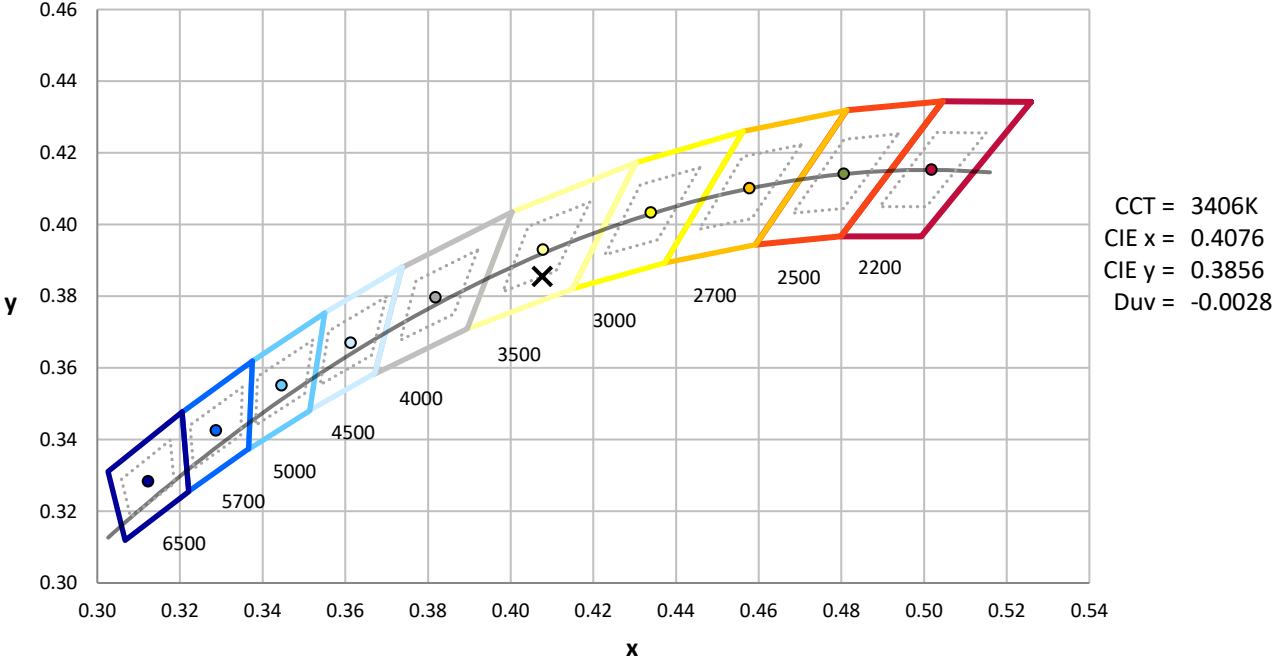
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208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

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CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 3500K 4-step quadrangle

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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	140	NR	620	338	NR	750	8	NR	880	0	NR
365	0	NR	495	159	NR	625	339	NR	755	7	NR	885	0	NR
370	0	NR	500	182	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	202	NR	635	653	NR	765	5	NR	895	0	NR
380	0	NR	510	216	NR	640	222	NR	770	4	NR	900	0	NR
385	0	NR	515	228	NR	645	214	NR	775	3	NR	905	0	NR
390	0	NR	520	236	NR	650	185	NR	780	3	NR	910	0	NR
395	1	NR	525	242	NR	655	157	NR	785	3	NR	915	0	NR
400	2	NR	530	248	NR	660	133	NR	790	2	NR	920	0	NR
405	3	NR	535	253	NR	665	113	NR	795	2	NR	925	0	NR
410	4	NR	540	258	NR	670	103	NR	800	2	NR	930	0	NR
415	7	NR	545	264	NR	675	85	NR	805	1	NR	935	0	NR
420	13	NR	550	270	NR	680	72	NR	810	1	NR	940	0	NR
425	22	NR	555	278	NR	685	62	NR	815	1	NR	945	0	NR
430	38	NR	560	286	NR	690	53	NR	820	1	NR	950	0	NR
435	65	NR	565	295	NR	695	45	NR	825	1	NR	955	0	NR
440	108	NR	570	303	NR	700	39	NR	830	1	NR	960	0	NR
445	193	NR	575	311	NR	705	33	NR	835	1	NR	965	0	NR
450	312	NR	580	319	NR	710	28	NR	840	1	NR	970	0	NR
455	300	NR	585	326	NR	715	24	NR	845	0	NR	975	0	NR
460	214	NR	590	332	NR	720	20	NR	850	0	NR	980	0	NR
465	184	NR	595	333	NR	725	17	NR	855	0	NR	985	0	NR
470	153	NR	600	336	NR	730	15	NR	860	0	NR	990	0	NR
475	122	NR	605	337	NR	735	12	NR	865	0	NR	995	0	NR
480	115	NR	610	367	NR	740	10	NR	870	0	NR	1000	0	NR
485	125	NR	615	390	NR	745	9	NR	875	0	NR			

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Scotopic Flux vs. Wavelength



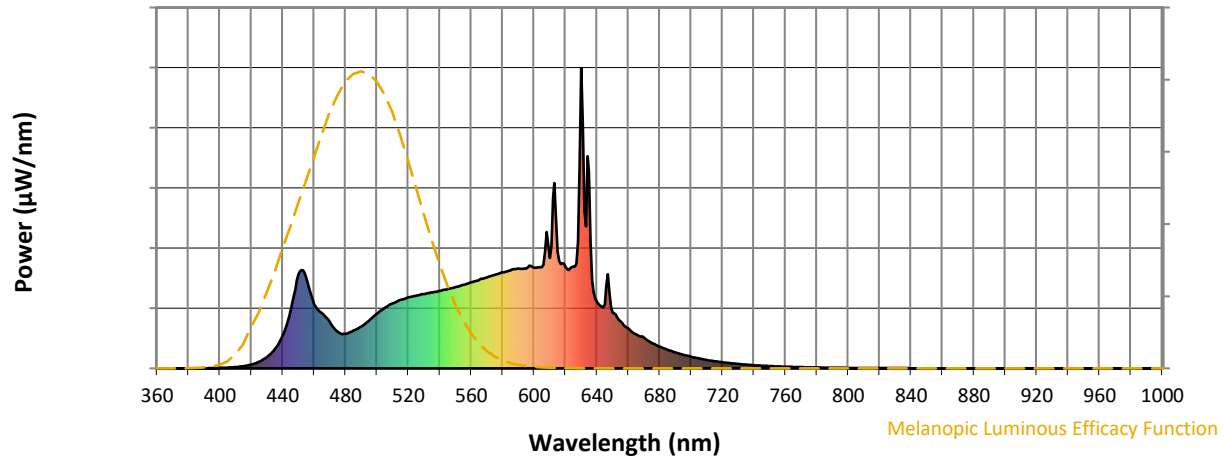
Scotopic Lumens: NR

S/P: 1.62

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	140	NR	620	338	NR	750	8	NR	880	0	NR
365	0	NR	495	159	NR	625	339	NR	755	7	NR	885	0	NR
370	0	NR	500	182	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	202	NR	635	653	NR	765	5	NR	895	0	NR
380	0	NR	510	216	NR	640	222	NR	770	4	NR	900	0	NR
385	0	NR	515	228	NR	645	214	NR	775	3	NR	905	0	NR
390	0	NR	520	236	NR	650	185	NR	780	3	NR	910	0	NR
395	1	NR	525	242	NR	655	157	NR	785	3	NR	915	0	NR
400	2	NR	530	248	NR	660	133	NR	790	2	NR	920	0	NR
405	3	NR	535	253	NR	665	113	NR	795	2	NR	925	0	NR
410	4	NR	540	258	NR	670	103	NR	800	2	NR	930	0	NR
415	7	NR	545	264	NR	675	85	NR	805	1	NR	935	0	NR
420	13	NR	550	270	NR	680	72	NR	810	1	NR	940	0	NR
425	22	NR	555	278	NR	685	62	NR	815	1	NR	945	0	NR
430	38	NR	560	286	NR	690	53	NR	820	1	NR	950	0	NR
435	65	NR	565	295	NR	695	45	NR	825	1	NR	955	0	NR
440	108	NR	570	303	NR	700	39	NR	830	1	NR	960	0	NR
445	193	NR	575	311	NR	705	33	NR	835	1	NR	965	0	NR
450	312	NR	580	319	NR	710	28	NR	840	1	NR	970	0	NR
455	300	NR	585	326	NR	715	24	NR	845	0	NR	975	0	NR
460	214	NR	590	332	NR	720	20	NR	850	0	NR	980	0	NR
465	184	NR	595	333	NR	725	17	NR	855	0	NR	985	0	NR
470	153	NR	600	336	NR	730	15	NR	860	0	NR	990	0	NR
475	122	NR	605	337	NR	735	12	NR	865	0	NR	995	0	NR
480	115	NR	610	367	NR	740	10	NR	870	0	NR	1000	0	NR
485	125	NR	615	390	NR	745	9	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



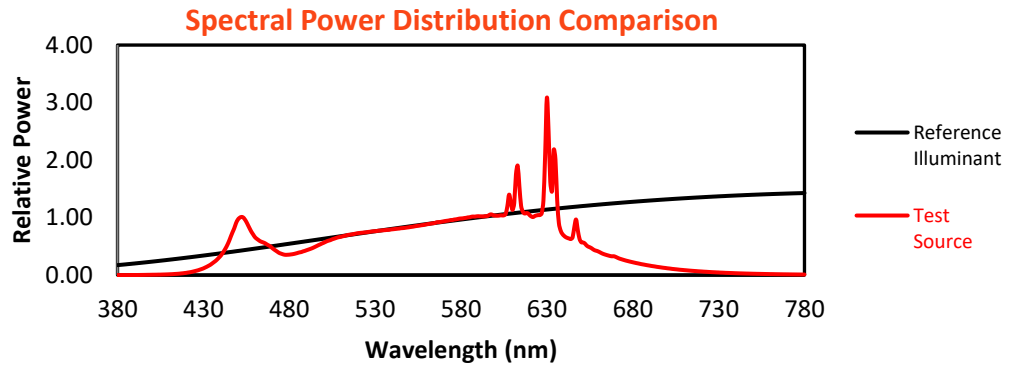
Melanopic Lumens: NR

M/P: 3.3

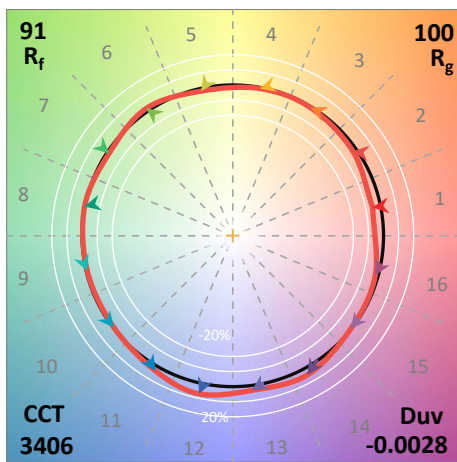
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	140	NR	620	338	NR	750	8	NR	880	0	NR
365	0	NR	495	159	NR	625	339	NR	755	7	NR	885	0	NR
370	0	NR	500	182	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	202	NR	635	653	NR	765	5	NR	895	0	NR
380	0	NR	510	216	NR	640	222	NR	770	4	NR	900	0	NR
385	0	NR	515	228	NR	645	214	NR	775	3	NR	905	0	NR
390	0	NR	520	236	NR	650	185	NR	780	3	NR	910	0	NR
395	1	NR	525	242	NR	655	157	NR	785	3	NR	915	0	NR
400	2	NR	530	248	NR	660	133	NR	790	2	NR	920	0	NR
405	3	NR	535	253	NR	665	113	NR	795	2	NR	925	0	NR
410	4	NR	540	258	NR	670	103	NR	800	2	NR	930	0	NR
415	7	NR	545	264	NR	675	85	NR	805	1	NR	935	0	NR
420	13	NR	550	270	NR	680	72	NR	810	1	NR	940	0	NR
425	22	NR	555	278	NR	685	62	NR	815	1	NR	945	0	NR
430	38	NR	560	286	NR	690	53	NR	820	1	NR	950	0	NR
435	65	NR	565	295	NR	695	45	NR	825	1	NR	955	0	NR
440	108	NR	570	303	NR	700	39	NR	830	1	NR	960	0	NR
445	193	NR	575	311	NR	705	33	NR	835	1	NR	965	0	NR
450	312	NR	580	319	NR	710	28	NR	840	1	NR	970	0	NR
455	300	NR	585	326	NR	715	24	NR	845	0	NR	975	0	NR
460	214	NR	590	332	NR	720	20	NR	850	0	NR	980	0	NR
465	184	NR	595	333	NR	725	17	NR	855	0	NR	985	0	NR
470	153	NR	600	336	NR	730	15	NR	860	0	NR	990	0	NR
475	122	NR	605	337	NR	735	12	NR	865	0	NR	995	0	NR
480	115	NR	610	367	NR	740	10	NR	870	0	NR	1000	0	NR
485	125	NR	615	390	NR	745	9	NR	875	0	NR			

Summary

$R_f = 91.3$
 $R_g = 100$
 $CIE R_a = 94.6$
 $R_9 = 63.8$



Color Vector Graphics

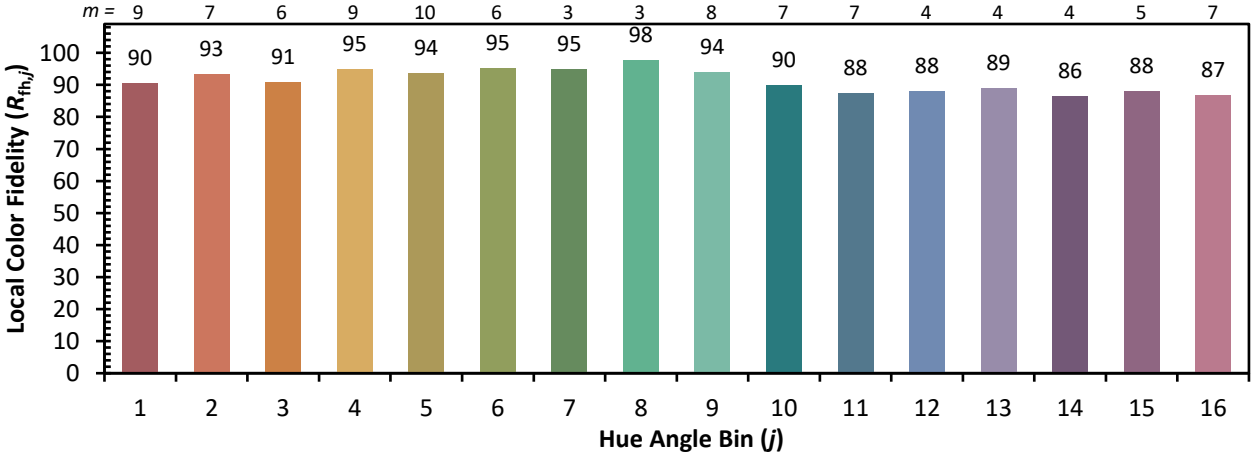


Individual Sample Fidelity Index ($R_{f,i}$)

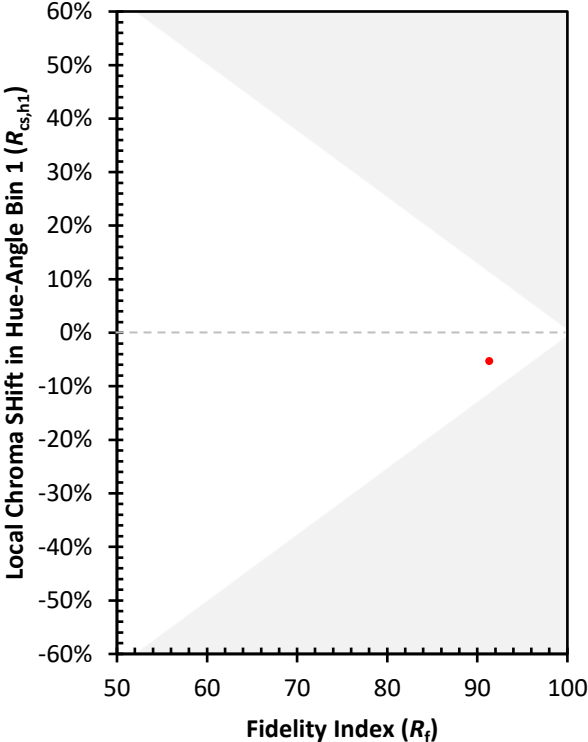
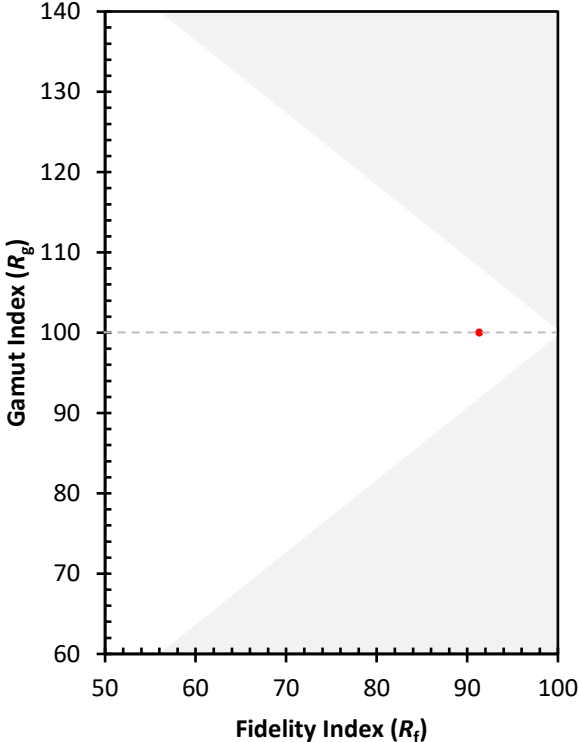
CES01 = 86	CES26 = 94	CES51 = 97	CES76 = 90
CES02 = 63	CES27 = 92	CES52 = 98	CES77 = 86
CES03 = 31	CES28 = 97	CES53 = 98	CES78 = 86
CES04 = 70	CES29 = 97	CES54 = 93	CES79 = 90
CES05 = 50	CES30 = 92	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 97	CES56 = 96	CES81 = 74
CES07 = 43	CES32 = 89	CES57 = 94	CES82 = 96
CES08 = 41	CES33 = 99	CES58 = 95	CES83 = 94
CES09 = 29	CES34 = 94	CES59 = 98	CES84 = 95
CES10 = 75	CES35 = 97	CES60 = 92	CES85 = 79
CES11 = 58	CES36 = 81	CES61 = 93	CES86 = 79
CES12 = 64	CES37 = 96	CES62 = 86	CES87 = 92
CES13 = 44	CES38 = 87	CES63 = 94	CES88 = 98
CES14 = 74	CES39 = 99	CES64 = 91	CES89 = 84
CES15 = 72	CES40 = 97	CES65 = 90	CES90 = 96
CES16 = 48	CES41 = 96	CES66 = 89	CES91 = 75
CES17 = 49	CES42 = 94	CES67 = 88	CES92 = 76
CES18 = 56	CES43 = 93	CES68 = 89	CES93 = 86
CES19 = 71	CES44 = 99	CES69 = 90	CES94 = 74
CES20 = 67	CES45 = 97	CES70 = 88	CES95 = 83
CES21 = 86	CES46 = 97	CES71 = 83	CES96 = 92
CES22 = 78	CES47 = 91	CES72 = 94	CES97 = 96
CES23 = 91	CES48 = 91	CES73 = 83	CES98 = 95
CES24 = 90	CES49 = 96	CES74 = 90	CES99 = 92
CES25 = 71	CES50 = 98	CES75 = 85	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)