

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: P1444820

Luminaire Tested: EHBR1-36-UNV-TA-L940-UPL18

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444820
REPORT IS A COMBINATION OF REPORTS P1444322 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-36-UNV-TA-L940-UPL18
Description: Elevate Round Highbay at, 36000 lumens, 4000K 90CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

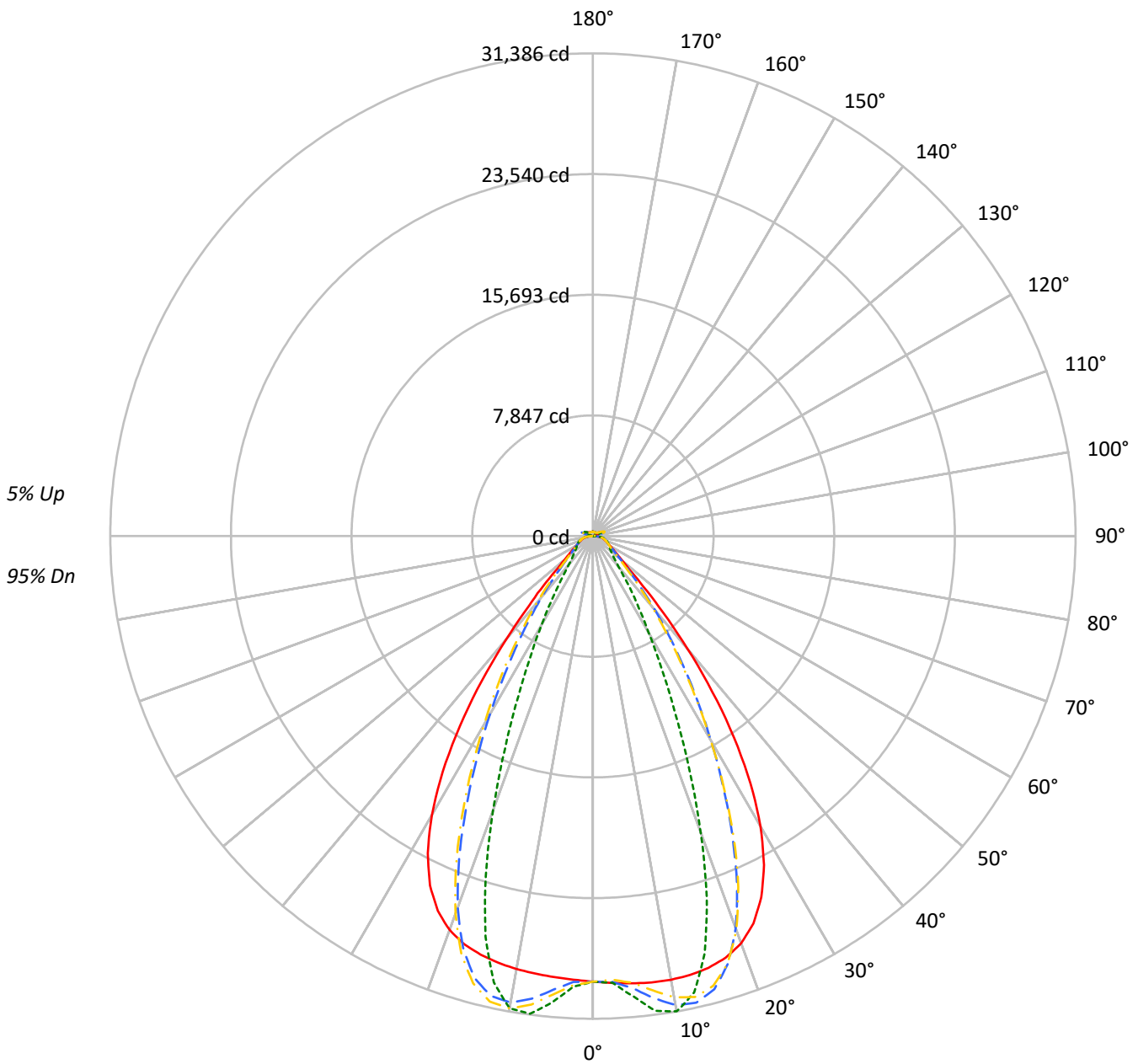
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35260.9 lumens
Efficiency: N/A
Efficacy: 173.4 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): 203.3
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

TEST NUMBER: P1444820
CATALOG NUMBER: EHBR1-36-UNV-TA-L940-UPL18

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	114	114	114	114	108	108	108	102	102	102	97	97	97	97	97	97	95
1	111	107	104	101	108	104	102	99	99	97	95	95	93	91	90	89	88	88	88	88	85
2	104	98	93	89	101	96	91	87	91	88	85	88	85	82	84	82	80	80	80	80	77
3	98	90	84	79	95	88	83	78	85	80	76	81	78	74	78	75	73	73	73	73	71
4	92	83	76	72	89	81	75	71	78	73	69	76	71	68	73	70	67	67	67	67	65
5	86	77	70	65	84	75	69	65	73	68	63	71	66	62	69	65	61	61	61	61	60
6	82	71	65	60	80	70	64	59	68	63	58	66	61	58	64	60	57	57	57	57	55
7	77	67	60	55	75	66	59	55	64	58	54	62	57	53	60	56	53	53	53	53	51
8	73	62	56	51	71	61	55	51	60	54	50	58	53	50	57	53	49	49	49	49	48
9	69	58	52	48	68	58	52	47	56	51	47	55	50	46	54	49	46	46	46	46	44
10	66	55	49	44	64	54	48	44	53	48	44	52	47	44	51	46	43	43	43	43	42

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	136054	136054	136054	136054
5°	136712	140699	134799	142542
10°	137854	147723	134548	146745
15°	138530	133909	134312	128518
20°	137097	99758	132610	92300
25°	129769	63091	125479	57244
30°	113362	37913	108971	34649
35°	87245	23790	82226	21074
40°	55190	14923	50494	14023
45°	28446	11626	27975	11435
50°	16677	10341	16166	10180
55°	12776	9784	12304	9696
60°	10811	9995	10351	9865
65°	10154	10437	9766	10082
70°	9920	10928	9426	10518
75°	10607	11591	10034	11077
80°	10976	12835	9953	11715
85°	10338	12386	8353	10605

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 43533 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2855.2	8.1
10°-20°	8032.0	22.8
20°-30°	9147.9	25.9
30°-40°	6575.1	18.6
40°-50°	3032.4	8.6
50°-60°	1451.1	4.1
60°-70°	1058.8	3.0
70°-80°	804.4	2.3
80°-90°	368.9	1.0
90°-100°	57.1	0.2
100°-110°	308.2	0.9
110°-120°	569.0	1.6
120°-130°	353.3	1.0
130°-140°	233.9	0.7
140°-150°	178.9	0.5
150°-160°	128.2	0.4
160°-170°	79.1	0.2
170°-180°	27.4	0.1
0°-30°	20035.1	56.8
0°-40°	26610.2	75.5
0°-60°	31093.7	88.2
0°-90°	33325.8	94.5
90°-120°	934.2	2.6
90°-150°	1700.4	4.8
90°-180°	1935.0	5.5
0°-180°	35260.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	28972	28972	28972	28972	28972	
5°	29190	30041	28782	30435	29190	2789
15°	29063	28094	28178	26962	29063	8189
25°	25915	12599	25058	11432	25915	11748
35°	16012	4366	15091	3868	16012	9827
45°	4602	1881	4526	1850	4602	3914
55°	1727	1322	1663	1310	1727	1594
65°	1060	1089	1019	1052	1060	1059
75°	747	816	707	780	747	777
85°	355	426	287	364	355	334
90°	93	118	24	31	93	58
95°	26	29	26	29	26	25
105°	113	144	77	144	113	149
115°	498	600	522	600	498	461
125°	382	393	432	395	382	348
135°	311	269	334	272	311	242
145°	285	270	302	275	285	180
155°	272	270	289	274	272	127
165°	277	274	286	277	277	79
175°	286	288	291	289	286	27
180°	290	290	290	290	290	



TEST NUMBER: P1444820
 CATALOG NUMBER: EHBR1-36-UNV-TA-L940-UPL18

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7
2.5°	29082.3	29079.9	29079.5	29077.5	29076.9	29076.9	29076.0	29073.6	29072.1	29068.8	29065.0
5°	29190.2	29188.9	29189.7	29189.9	29187.9	29183.3	29176.3	29167.6	29156.6	29146.3	29137.1
7.5°	29273.7	29275.7	29278.3	29277.7	29271.4	29260.8	29246.3	29238.1	29243.0	29258.7	29294.8
10°	29288.9	29301.4	29306.2	29304.7	29292.1	29282.9	29286.5	29317.1	29378.2	29459.8	29571.2
12.5°	29229.5	29244.8	29244.3	29239.2	29226.9	29239.4	29283.9	29375.3	29506.2	29666.9	29855.5
15°	29062.8	29082.5	29076.9	29070.4	29062.2	29103.1	29192.0	29350.7	29552.9	29779.6	30011.7
17.5°	28739.0	28762.9	28751.3	28743.9	28737.0	28813.7	28966.3	29198.6	29453.4	29709.8	29929.7
20°	28177.5	28193.5	28165.9	28152.9	28163.8	28314.1	28538.8	28835.5	29104.1	29346.6	29496.9
22.5°	27261.1	27280.9	27229.1	27223.1	27287.1	27517.8	27802.2	28133.9	28386.2	28578.4	28636.3
25°	25914.7	25934.1	25872.5	25909.3	26018.3	26332.5	26671.1	27026.0	27241.3	27383.7	27344.4
27.5°	24097.2	24115.1	24056.7	24131.9	24303.9	24716.9	25115.5	25500.4	25692.3	25792.0	25665.6
30°	21805.2	21842.2	21773.2	21878.1	22140.8	22676.9	23133.6	23565.2	23756.6	23832.4	23635.8
32.5°	19082.8	19135.5	19059.4	19215.6	19582.2	20226.1	20744.9	21227.2	21438.8	21525.5	21303.3
35°	16012.5	16088.0	16000.7	16235.0	16687.2	17404.3	17978.7	18517.2	18767.8	18890.7	18666.8
37.5°	12759.4	12831.6	12784.3	13096.9	13593.4	14336.6	14923.0	15503.9	15786.9	15971.3	15794.7
40°	9565.8	9631.7	9667.5	10024.9	10491.9	11192.5	11755.7	12330.4	12647.1	12878.4	12769.6
42.5°	6751.5	6818.1	6939.5	7284.4	7673.9	8253.8	8736.2	9252.3	9554.8	9801.6	9759.6
45°	4602.4	4679.6	4831.9	5114.3	5395.9	5812.0	6166.2	6567.5	6814.6	7040.7	7043.4
47.5°	3225.2	3279.4	3415.4	3608.3	3791.9	4312.7	4334.1	4531.3	4697.5	4866.5	4888.3
50°	2485.5	2518.2	2590.3	2697.9	2801.9	2937.1	3060.8	3203.7	3306.0	3398.6	3420.8
52.5°	2043.0	2063.7	2100.4	2158.6	2219.0	2292.5	2358.7	2437.3	2492.9	2542.5	2552.9
55°	1726.6	1743.9	1798.4	1809.5	1878.6	1891.9	1921.3	1969.1	2001.5	2031.2	2038.5
57.5°	1487.9	1500.4	1512.1	1536.8	1558.1	1589.0	1613.9	1648.2	1668.6	1690.0	1691.9
60°	1299.6	1308.7	1316.9	1334.1	1348.6	1370.1	1387.2	1410.5	1425.1	1441.3	1443.1
62.5°	1159.5	1166.0	1171.5	1182.8	1193.2	1209.6	1223.3	1242.7	1256.3	1268.8	1271.6
65°	1059.8	1064.6	1068.1	1076.7	1085.7	1099.8	1112.2	1128.0	1138.0	1147.6	1149.7
67.5°	971.6	976.1	979.8	987.6	993.9	1004.3	1012.6	1024.5	1032.1	1039.7	1039.9
70°	870.4	874.6	877.4	884.8	889.8	898.9	905.5	916.2	923.9	932.4	934.5
72.5°	800.5	802.9	806.7	813.3	820.3	830.0	838.9	850.0	859.4	868.2	871.9
75°	747.2	750.1	752.6	758.3	763.1	771.2	777.9	788.1	796.3	805.7	810.3
77.5°	670.3	673.7	675.8	681.5	685.7	693.5	698.5	707.6	714.2	722.9	727.1
80°	577.4	580.6	582.1	587.4	590.8	597.9	602.8	611.6	617.2	625.8	630.8
82.5°	474.5	477.5	478.3	483.4	485.2	491.2	494.7	503.6	510.5	521.7	529.5
85°	355.3	356.4	358.1	356.8	364.0	364.5	372.6	374.1	384.9	387.7	399.9
87.5°	217.3	220.4	222.0	226.9	229.1	234.0	235.6	240.8	243.7	249.8	252.6
90°	92.8	97.8	99.5	105.5	107.0	112.4	113.6	119.5	121.2	127.3	129.8
92.5°	23.0	24.4	25.7	27.3	28.7	30.7	32.5	34.0	35.5	37.5	40.3
95°	25.9	27.5	29.1	30.7	32.2	33.9	35.5	37.1	38.7	40.2	44.8
97.5°	32.3	33.7	35.1	36.4	37.8	39.2	40.6	41.9	43.3	44.6	50.1
100°	41.6	42.9	44.0	45.2	46.3	47.5	48.6	49.8	51.0	52.2	62.3
102.5°	67.7	71.8	76.0	80.1	84.2	88.3	92.5	96.5	100.7	104.8	126.4
105°	113.0	124.2	135.6	146.6	157.9	169.2	180.5	191.4	202.6	213.8	249.2
107.5°	191.1	211.8	232.5	253.4	274.2	294.9	315.6	336.4	357.0	377.6	413.6
110°	350.0	366.6	383.4	400.0	416.7	433.4	450.1	466.5	483.2	499.8	526.0



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 CATALOG NUMBER: EHBR1-36-UNV-TA-L940-UPL18

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	471.2	478.7	486.2	493.8	501.3	508.6	516.1	523.6	531.1	538.4	557.1
115°	498.3	500.9	503.6	506.0	508.7	511.0	513.6	516.1	518.6	521.0	533.6
117.5°	485.9	485.4	484.8	484.3	483.5	482.9	482.2	481.5	480.7	480.0	487.1
120°	455.9	453.3	451.0	448.4	445.9	443.3	440.8	438.2	435.5	432.7	435.6
122.5°	417.6	414.7	411.8	408.6	405.7	402.5	399.5	396.1	393.1	389.9	390.8
125°	382.4	379.5	376.6	373.4	370.2	367.0	363.9	360.6	357.4	353.9	354.2
127.5°	352.4	350.3	348.2	345.6	343.4	341.0	338.5	335.9	333.5	330.8	330.7
130°	334.1	332.1	330.1	327.8	325.7	323.4	321.0	318.5	316.3	313.8	313.7
132.5°	319.6	318.3	316.7	315.0	313.3	311.2	309.5	307.4	305.5	303.6	303.5
135°	310.8	309.4	308.1	306.5	304.9	302.9	301.1	299.2	297.4	295.3	295.4
137.5°	303.7	302.4	301.1	299.5	298.0	296.1	294.5	292.6	290.9	288.9	288.9
140°	297.3	296.1	294.8	293.3	291.9	290.4	288.6	286.9	285.2	283.3	283.5
142.5°	289.6	288.4	287.5	286.2	285.1	283.5	282.2	280.5	279.2	277.5	278.0
145°	285.1	284.2	283.3	282.3	281.1	279.7	278.5	277.0	275.8	274.5	274.8
147.5°	281.2	280.4	279.9	278.7	278.0	276.7	275.7	274.3	273.3	272.1	272.7
150°	277.8	277.2	276.5	275.6	274.6	273.6	272.6	271.5	270.5	269.2	269.8
152.5°	274.0	273.3	272.6	271.8	271.0	269.7	269.0	267.8	266.8	265.8	266.3
155°	272.4	271.8	271.0	270.2	269.3	268.4	267.5	266.5	265.6	264.6	264.9
157.5°	272.3	271.6	271.0	270.2	269.6	268.7	267.9	267.1	266.4	265.6	265.8
160°	273.4	272.8	272.2	271.4	270.6	269.8	269.2	268.2	267.7	266.8	266.9
162.5°	274.7	274.0	273.3	272.7	272.0	271.1	270.5	269.8	269.2	268.3	268.6
165°	276.8	276.3	275.8	275.3	274.7	274.2	273.6	273.0	272.5	271.9	271.9
167.5°	280.7	280.1	279.7	279.0	278.5	277.8	277.2	276.6	276.1	275.4	275.6
170°	283.0	282.5	282.2	281.8	281.5	281.0	280.7	280.2	279.8	279.4	279.5
172.5°	285.4	285.0	284.7	284.5	284.1	283.9	283.6	283.2	283.0	282.6	282.9
175°	286.3	285.9	285.8	285.6	285.5	285.2	285.1	284.9	284.9	284.5	284.6
177.5°	288.4	288.3	288.3	288.2	288.2	288.1	288.0	287.8	287.7	287.7	287.7
180°	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1



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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°	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7
2.5°	29062.2	29058.7	29053.8	29047.8	29042.5	29036.4	29021.9	29017.6	29022.4	29025.6	29032.3
5°	29131.3	29133.3	29134.0	29147.3	29158.6	29187.2	29410.0	29498.6	29567.1	29610.6	29676.6
7.5°	29339.5	29406.5	29472.7	29561.9	29638.7	29742.6	30132.5	30298.5	30416.6	30501.3	30605.8
10°	29692.3	29838.6	29975.7	30136.3	30274.4	30432.6	30795.5	30957.3	31059.4	31133.6	31203.0
12.5°	30047.7	30250.5	30433.8	30612.6	30762.1	30899.1	31026.9	31083.4	31088.3	31090.6	31053.8
15°	30232.8	30426.7	30588.3	30706.5	30794.2	30833.2	30613.3	30498.1	30352.4	30232.3	30034.9
17.5°	30116.0	30232.3	30302.1	30295.2	30258.9	30137.3	29514.8	29172.4	28832.5	28526.1	28124.4
20°	29596.6	29587.8	29527.0	29355.1	29148.0	28826.0	27758.7	27142.8	26547.5	26024.6	25390.2
22.5°	28630.4	28478.4	28266.4	27895.8	27484.0	26921.2	25391.7	24486.0	23657.1	22924.9	22104.7
25°	27230.3	26917.6	26526.7	25938.2	25298.3	24477.6	22592.4	21465.8	20470.7	19607.6	18661.2
27.5°	25438.7	24967.4	24394.6	23580.1	22713.2	21661.7	19571.7	18328.4	17260.1	16334.7	15327.5
30°	23317.4	22704.7	21964.8	20954.0	19908.3	18715.7	16596.0	15336.7	14255.4	13303.4	12295.4
32.5°	20920.2	20202.5	19335.6	18201.1	17070.3	15844.0	13796.9	12577.9	11545.0	10629.2	9716.9
35°	18276.3	17506.6	16589.4	15432.3	14308.2	13116.1	11237.7	10138.5	9226.4	8417.0	7680.2
37.5°	15440.2	14684.4	13812.7	12722.1	11679.8	10599.4	8978.6	8057.6	7292.2	6620.4	6051.5
40°	12491.4	11830.0	11075.8	10132.9	9243.3	8343.7	7013.2	6282.2	5678.1	5165.7	4739.4
42.5°	9578.7	9066.2	8487.8	7742.7	7062.0	6376.9	5353.0	4811.2	4363.8	3995.0	3693.6
45°	6949.7	6606.9	6218.9	5700.9	5229.9	4752.0	4023.2	3642.6	3351.2	3113.4	2912.2
47.5°	4858.2	4659.3	4647.1	4168.6	3823.1	3530.9	3061.4	2821.0	2642.4	2498.3	2371.0
50°	3411.8	3315.5	3196.0	3025.2	2864.9	2699.7	2413.7	2268.4	2163.7	2076.5	1996.0
52.5°	2550.6	2500.6	2436.9	2346.3	2259.4	2166.5	1985.5	1893.0	1860.1	1778.8	1715.1
55°	2037.1	2008.5	1972.3	1919.1	1866.3	1845.1	1689.9	1621.2	1577.7	1545.6	1511.4
57.5°	1692.1	1670.8	1649.4	1613.2	1582.7	1545.6	1463.2	1428.0	1402.2	1383.3	1359.6
60°	1443.4	1430.6	1418.6	1397.5	1380.9	1360.9	1308.7	1288.7	1275.2	1263.9	1248.8
62.5°	1273.9	1267.4	1261.2	1249.9	1241.5	1230.7	1194.9	1185.4	1178.6	1172.9	1163.7
65°	1151.7	1146.9	1143.5	1136.0	1131.9	1125.5	1094.8	1088.3	1084.2	1082.1	1076.7
67.5°	1040.6	1035.6	1033.4	1028.0	1026.3	1022.3	997.1	993.6	992.2	992.9	990.9
70°	936.6	934.5	935.7	934.8	937.1	937.9	922.6	922.5	924.2	927.4	927.7
72.5°	874.3	874.3	875.5	876.0	878.3	879.4	866.7	866.1	866.8	869.2	869.3
75°	815.1	816.0	819.3	820.3	823.0	823.6	806.8	804.8	804.9	807.3	806.4
77.5°	733.0	736.6	742.7	745.9	751.1	752.0	733.2	731.0	731.1	733.4	731.4
80°	639.9	646.7	656.4	663.2	671.2	674.4	655.0	650.5	646.2	645.5	641.6
82.5°	541.0	549.3	561.0	567.2	575.7	577.5	545.2	539.1	535.5	535.8	532.2
85°	413.1	419.3	430.0	433.3	438.6	438.2	401.3	385.4	389.6	383.1	388.2
87.5°	259.1	262.7	269.4	270.3	272.7	272.2	235.1	227.7	225.6	225.7	223.0
90°	136.3	139.3	145.5	146.3	150.6	150.6	121.0	118.1	115.1	116.0	111.9
92.5°	43.5	46.3	49.3	52.2	55.2	58.2	57.7	59.6	57.0	53.8	51.2
95°	49.5	54.1	58.8	63.5	68.2	72.9	77.5	82.2	77.8	73.4	69.0
97.5°	55.6	61.2	66.6	72.1	77.6	83.2	88.7	94.2	89.5	84.6	79.9
100°	72.7	82.9	93.2	103.4	113.7	123.9	134.3	144.5	135.5	126.1	117.2
102.5°	148.1	170.0	191.8	213.5	235.3	257.2	279.1	301.0	280.2	259.3	238.5
105°	284.6	319.9	355.2	390.4	425.7	461.0	496.7	532.0	498.8	465.5	432.4
107.5°	449.3	485.2	520.8	556.6	592.4	628.2	664.4	700.3	667.9	635.3	603.0
110°	552.1	578.1	604.3	630.2	656.3	682.2	709.1	735.2	715.6	696.0	676.5



TEST NUMBER: P1444820
 CATALOG NUMBER: EHBR1-36-UNV-TA-L940-UPL18

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	575.5	594.2	612.7	631.2	649.6	668.3	687.7	706.6	696.6	686.4	676.7
115°	545.9	558.4	570.8	583.2	595.6	607.9	621.5	634.3	630.8	627.4	624.1
117.5°	493.8	500.6	507.4	514.3	520.9	527.7	536.1	543.1	543.2	543.5	543.9
120°	438.3	441.1	443.7	446.5	449.1	451.7	456.2	459.2	461.5	463.8	466.1
122.5°	391.7	392.5	393.2	394.0	394.7	395.5	398.4	399.6	401.0	402.5	404.0
125°	354.4	354.7	354.9	355.1	355.1	355.3	357.9	358.5	358.3	357.9	357.7
127.5°	330.4	330.2	329.8	329.5	329.1	328.9	331.0	331.3	329.7	328.2	326.7
130°	313.5	313.4	313.2	313.1	312.9	312.8	315.5	315.9	313.6	311.1	308.7
132.5°	303.3	303.3	303.2	303.3	303.2	303.1	306.0	306.5	304.0	301.1	298.5
135°	295.3	295.4	295.4	295.4	295.3	295.6	298.8	299.5	297.1	294.3	291.7
137.5°	288.8	288.9	288.9	289.1	289.1	289.2	292.8	293.7	291.6	289.3	287.2
140°	283.7	283.8	284.0	284.2	284.4	284.8	288.7	289.7	288.2	286.3	284.5
142.5°	278.1	278.7	279.1	279.7	280.1	280.8	285.3	286.7	285.4	283.9	282.7
145°	275.3	276.0	276.6	277.3	277.9	278.7	283.8	285.5	284.7	283.6	282.7
147.5°	272.8	273.4	274.0	274.6	275.2	276.2	281.5	283.2	282.8	282.0	281.3
150°	270.2	270.8	271.4	272.0	273.0	273.8	279.9	281.9	281.4	280.9	280.2
152.5°	266.6	267.2	267.7	268.3	268.9	269.8	277.2	279.4	279.0	278.4	277.9
155°	265.1	265.5	265.8	266.4	266.7	267.5	275.6	277.7	277.4	277.1	276.7
157.5°	265.9	266.0	266.1	266.4	266.7	267.0	275.5	277.9	277.5	277.2	276.9
160°	267.0	267.1	267.1	267.2	267.3	267.6	276.3	278.7	278.4	278.0	277.6
162.5°	268.7	269.1	269.2	269.3	269.5	269.9	278.7	281.3	280.8	280.3	280.0
165°	271.9	271.9	271.9	272.1	272.2	272.3	280.6	282.8	282.6	282.2	281.8
167.5°	275.5	275.7	275.8	275.9	276.0	276.3	284.0	286.1	285.8	285.5	285.2
170°	279.5	279.7	279.7	279.9	280.1	280.4	286.9	288.5	288.3	287.9	287.5
172.5°	283.0	283.4	283.5	283.8	284.0	284.3	289.7	291.3	291.1	290.9	290.4
175°	284.9	285.0	285.3	285.5	285.7	285.9	290.3	291.4	291.3	291.1	290.9
177.5°	288.0	288.1	288.3	288.5	288.7	288.9	291.6	292.3	292.2	292.2	292.1
180°	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1



TEST NUMBER: P1444820
 CATALOG NUMBER: EHBR1-36-UNV-TA-L940-UPL18

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7
2.5°	29033.8	29044.0	29045.5	29057.4	29056.4	29070.6	29068.4	29079.9	29073.2	29082.7	29074.7
5°	29715.7	29777.5	29809.9	29870.2	29889.3	29943.4	29958.6	30007.8	30009.9	30049.0	30040.1
7.5°	30679.8	30770.9	30825.1	30899.7	30937.5	30999.7	31027.1	31073.0	31087.8	31124.3	31127.1
10°	31255.5	31299.8	31330.7	31351.6	31370.6	31379.4	31389.8	31387.0	31389.8	31385.7	31394.7
12.5°	31029.1	30964.5	30921.7	30840.7	30793.9	30704.4	30660.5	30574.5	30543.3	30469.4	30458.8
15°	29882.3	29657.0	29497.9	29266.3	29120.9	28893.1	28759.9	28554.5	28460.7	28297.3	28254.5
17.5°	27791.9	27373.8	27050.2	26635.1	26347.0	25959.1	25715.1	25394.0	25218.1	24959.2	24869.4
20°	24861.4	24242.7	23757.3	23179.1	22765.3	22249.7	21919.7	21503.3	21261.6	20943.6	20814.6
22.5°	21420.9	20650.6	20044.4	19361.3	18862.0	18287.5	17892.0	17441.5	17178.6	16833.1	16680.1
25°	17874.7	17025.3	16351.3	15631.6	15104.0	14528.1	14132.6	13690.1	13418.0	13090.0	12937.9
27.5°	14483.1	13623.3	12972.0	12302.8	11818.9	11299.2	10942.3	10556.0	10314.5	10034.5	9891.5
30°	11490.1	10731.7	10177.5	9622.1	9219.7	8797.5	8501.0	8180.8	7968.9	7729.2	7592.9
32.5°	9051.7	8466.2	8032.2	7591.5	7262.1	6909.4	6653.1	6370.6	6179.4	5965.3	5841.9
35°	7168.8	6713.9	6367.7	6005.0	5722.0	5421.5	5195.8	4951.9	4780.4	4596.0	4489.4
37.5°	5664.1	5302.4	5017.5	4716.2	4483.7	4234.9	4151.0	3871.2	3693.4	3546.3	3444.4
40°	4445.3	4157.6	3921.9	3691.5	3501.9	3313.1	3161.5	3012.1	2897.3	2792.1	2719.3
42.5°	3471.3	3262.9	3090.8	2922.0	2783.8	2646.2	2536.5	2433.5	2356.1	2287.4	2240.4
45°	2759.5	2616.2	2496.6	2377.7	2280.2	2188.3	2114.5	2048.8	1998.8	1957.5	1928.2
47.5°	2267.1	2169.0	2084.6	2004.3	1938.1	1877.9	1828.4	1812.3	1758.7	1722.4	1708.7
50°	1926.6	1867.4	1803.3	1744.1	1699.9	1655.9	1623.8	1592.4	1572.2	1555.6	1550.5
52.5°	1672.7	1627.3	1591.7	1554.2	1525.0	1493.6	1471.5	1450.6	1439.6	1430.8	1429.8
55°	1483.7	1452.1	1428.5	1403.3	1385.8	1367.5	1356.0	1344.9	1340.1	1335.7	1336.1
57.5°	1340.8	1319.7	1304.4	1288.0	1278.6	1269.7	1266.9	1264.1	1265.6	1266.2	1268.7
60°	1236.8	1223.0	1213.3	1204.0	1200.0	1197.2	1199.3	1201.8	1206.9	1211.0	1214.6
62.5°	1156.9	1149.1	1144.3	1139.3	1138.9	1139.1	1143.4	1147.6	1153.9	1158.7	1162.2
65°	1074.8	1070.3	1068.8	1065.5	1067.2	1068.1	1073.3	1076.5	1082.9	1086.6	1091.1
67.5°	991.8	990.7	991.7	991.7	994.6	997.0	1002.0	1005.6	1011.0	1014.5	1018.1
70°	930.5	930.9	933.1	933.6	936.7	938.4	942.7	945.1	949.9	952.8	957.3
72.5°	870.9	870.0	870.4	869.0	870.2	869.7	872.1	873.2	877.3	879.6	885.0
75°	807.5	804.8	804.1	801.2	801.3	799.3	800.3	800.1	802.8	803.9	807.7
77.5°	730.8	726.3	724.1	719.3	719.1	717.4	719.3	720.4	725.2	727.4	731.8
80°	639.1	632.0	628.8	623.2	624.1	623.8	628.6	632.1	637.9	639.0	644.5
82.5°	531.1	524.0	520.5	515.1	516.3	516.5	520.8	521.5	526.6	528.7	535.1
85°	380.3	383.1	375.5	376.0	374.4	377.4	380.3	383.9	388.1	395.1	400.5
87.5°	224.0	223.0	225.7	226.0	229.9	231.9	238.1	241.7	248.7	254.2	264.0
90°	111.5	107.5	109.1	107.4	110.7	109.1	112.1	109.9	113.8	113.7	118.7
92.5°	47.8	45.3	41.9	39.2	36.0	33.4	31.6	30.6	28.9	27.9	26.1
95°	64.7	60.4	56.0	51.6	47.3	42.9	41.4	39.8	38.2	36.6	34.9
97.5°	75.3	70.5	65.9	61.1	56.5	51.8	50.8	49.7	48.6	47.6	46.5
100°	108.1	99.0	90.0	81.0	71.9	62.9	62.0	61.2	60.4	59.5	58.6
102.5°	217.8	196.9	176.3	155.5	134.8	114.0	110.4	106.9	103.2	99.6	96.1
105°	399.0	365.8	332.6	299.4	266.3	233.1	223.2	213.1	203.2	193.3	183.5
107.5°	570.5	537.9	505.6	473.3	440.9	408.6	393.0	377.3	361.5	345.8	330.3
110°	656.7	637.2	617.9	598.1	578.7	559.4	544.4	529.5	514.4	499.4	484.5



TEST NUMBER: P1444820
 CATALOG NUMBER: EHBR1-36-UNV-TA-L940-UPL18

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	666.7	656.9	646.8	637.2	627.4	617.5	610.2	602.9	595.6	588.2	580.8
115°	620.8	617.4	614.0	611.0	607.8	604.5	603.8	603.2	602.5	602.0	601.5
117.5°	544.1	544.5	544.6	545.0	545.5	545.9	549.6	553.2	557.0	560.9	564.9
120°	468.3	470.6	472.8	475.3	477.7	480.1	484.9	490.0	495.0	500.3	505.5
122.5°	405.4	406.8	408.1	409.6	411.1	412.7	417.6	422.5	427.3	432.5	437.7
125°	357.2	356.8	356.5	356.1	355.8	355.7	359.5	363.4	367.4	371.7	375.6
127.5°	325.1	323.4	321.8	320.3	318.6	317.2	319.3	321.4	323.6	325.9	328.1
130°	306.1	303.8	301.1	298.8	296.1	293.7	294.3	294.9	295.4	296.2	297.0
132.5°	295.6	292.8	289.9	287.1	284.2	281.5	280.9	280.4	280.0	279.7	279.5
135°	289.0	286.4	283.6	280.8	278.0	275.5	274.4	273.3	272.4	271.5	270.5
137.5°	285.0	282.8	280.5	278.4	276.0	273.8	272.3	271.2	269.9	269.0	267.8
140°	282.6	280.8	278.8	277.0	275.0	273.3	272.0	271.1	269.9	269.1	268.1
142.5°	281.0	279.6	278.1	276.8	275.3	273.9	272.7	271.7	270.6	269.8	268.8
145°	281.5	280.6	279.5	278.5	277.4	276.4	275.3	274.6	273.7	273.0	272.3
147.5°	280.5	279.8	279.0	278.2	277.4	276.6	275.9	275.5	274.6	274.2	273.5
150°	279.5	278.7	278.0	277.5	276.7	276.0	275.5	275.0	274.5	274.3	273.8
152.5°	277.3	276.6	276.0	275.5	274.7	274.1	273.6	273.3	272.9	272.5	272.0
155°	276.1	275.7	275.2	274.7	274.1	273.8	273.3	272.7	272.3	271.9	271.3
157.5°	276.4	276.0	275.5	275.1	274.5	274.1	273.6	273.3	272.7	272.3	271.9
160°	277.3	276.9	276.4	276.0	275.5	275.1	274.5	274.1	273.4	273.0	272.3
162.5°	279.4	278.8	278.4	277.9	277.3	276.8	276.3	275.9	275.4	275.0	274.5
165°	281.4	281.0	280.5	280.1	279.8	279.4	278.7	278.3	277.6	277.2	276.5
167.5°	284.8	284.4	284.1	283.7	283.1	282.8	282.3	281.8	281.3	280.8	280.1
170°	287.2	286.6	286.3	285.7	285.4	284.8	284.4	283.9	283.4	283.0	282.4
172.5°	290.1	289.8	289.5	289.1	288.6	288.3	288.0	287.6	287.1	286.8	286.3
175°	290.8	290.7	290.6	290.2	290.1	289.9	289.7	289.6	289.4	289.3	289.0
177.5°	292.1	292.0	292.0	291.8	291.6	291.6	291.4	291.3	291.0	290.9	290.8
180°	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1



TEST NUMBER: P1444820
 CATALOG NUMBER: EHBR1-36-UNV-TA-L940-UPL18

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7
2.5°	29083.1	29075.6	29079.2	29065.6	29068.8	29052.3	29050.9	29032.3	29030.4	29012.9	29006.4
5°	30067.7	30051.5	30069.8	30041.4	30047.0	30009.9	30006.8	29958.9	29942.3	29882.4	29856.6
7.5°	31150.0	31143.9	31155.1	31131.2	31130.5	31097.4	31083.7	31040.8	31014.2	30951.2	30911.1
10°	31387.0	31392.6	31383.5	31385.7	31372.9	31369.3	31356.1	31347.7	31326.2	31309.9	31285.8
12.5°	30402.6	30408.4	30370.9	30394.8	30375.9	30419.9	30416.3	30468.1	30476.0	30541.5	30566.4
15°	28127.2	28120.1	28048.1	28093.5	28069.2	28165.6	28187.1	28316.9	28386.2	28552.8	28655.1
17.5°	24690.0	24671.5	24570.0	24625.3	24597.2	24739.3	24787.0	24994.5	25123.9	25392.2	25583.4
20°	20592.7	20557.1	20438.4	20503.2	20474.2	20635.7	20703.8	20954.5	21121.3	21476.8	21729.6
22.5°	16444.5	16388.3	16272.0	16332.5	16305.1	16472.4	16561.0	16812.6	17003.6	17368.6	17663.7
25°	12719.4	12669.4	12557.0	12599.3	12589.0	12730.6	12809.4	13047.3	13235.1	13582.7	13864.5
27.5°	9701.4	9649.3	9547.8	9577.7	9567.4	9688.0	9762.2	9961.1	10122.6	10415.2	10662.6
30°	7425.0	7362.2	7276.1	7292.6	7285.6	7383.2	7452.6	7620.0	7758.5	8005.8	8218.9
32.5°	5691.2	5628.2	5549.0	5556.7	5546.3	5622.9	5680.1	5825.7	5946.4	6156.6	6342.2
35°	4354.6	4428.4	4259.4	4366.4	4254.9	4418.6	4359.7	4450.7	4554.5	4731.6	4886.4
37.5°	3347.7	3296.3	3252.7	3248.1	3247.9	3285.8	3330.5	3418.2	3509.7	3641.6	3778.0
40°	2652.9	2616.8	2588.7	2586.6	2588.7	2615.6	2648.7	2709.2	2776.2	2871.1	2971.2
42.5°	2200.3	2176.3	2159.4	2158.2	2163.6	2182.7	2205.7	2241.6	2285.2	2346.6	2415.4
45°	1904.4	1891.1	1881.6	1881.1	1883.5	1893.5	1906.7	1929.2	1956.7	1995.1	2038.5
47.5°	1696.7	1693.5	1687.6	1687.8	1685.1	1689.2	1690.7	1703.2	1718.0	1746.8	1803.7
50°	1545.5	1545.5	1541.4	1541.2	1537.4	1537.1	1534.0	1538.9	1545.7	1563.7	1581.8
52.5°	1426.0	1425.6	1421.2	1420.3	1416.2	1416.0	1413.2	1415.2	1416.1	1425.1	1436.0
55°	1332.6	1329.8	1324.0	1322.2	1320.6	1322.9	1321.8	1322.0	1320.8	1324.5	1327.8
57.5°	1265.6	1261.9	1256.5	1254.8	1254.5	1257.3	1257.3	1256.3	1251.3	1247.8	1243.1
60°	1212.5	1208.9	1203.0	1201.5	1202.4	1206.2	1206.0	1202.8	1195.3	1188.7	1181.1
62.5°	1160.5	1159.0	1156.0	1155.5	1154.8	1155.4	1152.7	1149.3	1141.9	1134.9	1126.6
65°	1090.6	1091.3	1089.1	1089.4	1086.7	1086.3	1082.2	1078.8	1071.4	1065.1	1056.6
67.5°	1018.0	1018.6	1016.7	1016.7	1015.3	1015.5	1013.1	1009.9	1003.6	998.4	991.9
70°	958.2	959.7	958.7	958.9	957.3	956.6	952.7	949.7	943.2	938.8	932.9
72.5°	886.6	889.8	889.7	890.5	887.9	886.6	882.0	878.2	872.3	868.9	864.1
75°	809.2	813.4	814.6	816.5	812.8	810.9	805.9	802.8	798.0	795.9	792.8
77.5°	733.8	738.4	742.8	746.9	740.9	735.7	729.4	724.5	717.6	715.0	710.2
80°	649.1	657.2	667.0	675.2	664.5	653.8	643.4	635.7	626.5	622.8	616.7
82.5°	538.5	546.9	552.5	557.7	550.3	542.4	532.3	525.5	515.7	512.0	505.0
85°	409.1	419.5	422.9	425.7	420.9	416.7	407.2	394.5	388.2	378.5	373.4
87.5°	269.1	275.3	276.5	277.4	274.6	272.5	266.4	260.4	249.8	242.0	232.5
90°	117.6	120.9	117.7	118.5	115.5	116.6	111.3	110.1	102.2	99.7	92.8
92.5°	25.0	23.3	22.0	20.5	22.5	23.4	25.2	26.1	27.9	28.9	30.6
95°	33.4	31.8	30.2	28.6	29.9	31.1	32.4	33.7	34.9	36.2	37.5
97.5°	45.5	44.4	43.3	42.3	43.0	43.8	44.5	45.3	45.9	46.7	47.5
100°	57.8	56.9	56.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
102.5°	92.4	88.8	85.2	81.6	84.0	86.5	88.9	91.3	93.8	96.2	98.8
105°	173.7	163.8	153.9	144.0	153.5	163.1	172.6	182.2	191.7	201.6	211.1
107.5°	314.5	299.0	283.3	267.8	285.3	302.7	320.0	337.4	354.9	372.3	389.9
110°	469.6	454.8	439.9	425.1	443.6	462.0	480.4	498.9	517.5	536.0	554.7



TEST NUMBER: P1444820
 CATALOG NUMBER: EHBR1-36-UNV-TA-L940-UPL18

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	573.5	566.3	559.1	551.9	563.8	575.7	587.6	599.7	611.6	623.6	635.5
115°	601.0	600.5	600.2	599.7	605.3	611.0	616.6	622.2	628.0	633.6	639.4
117.5°	568.7	572.6	576.7	580.7	582.5	584.3	586.2	588.0	590.1	592.0	593.9
120°	510.8	515.9	521.3	526.7	525.9	525.2	524.5	523.8	523.5	522.8	522.5
122.5°	442.9	448.1	453.5	458.8	457.3	455.7	454.2	452.7	451.3	450.0	448.7
125°	380.1	384.3	388.8	393.2	391.7	390.1	388.6	387.3	386.0	384.6	383.6
127.5°	330.8	333.4	336.0	338.7	338.0	337.3	336.8	336.1	335.9	335.6	335.3
130°	297.9	298.9	300.2	301.3	301.5	301.7	302.2	302.7	303.3	303.8	304.7
132.5°	279.5	279.5	279.6	279.8	280.6	281.5	282.6	283.7	285.1	286.3	288.0
135°	270.1	269.5	269.2	268.8	270.1	271.2	272.8	274.3	276.0	277.8	279.8
137.5°	267.0	266.2	265.6	265.0	266.3	267.5	269.0	270.5	272.1	274.0	276.0
140°	267.4	266.5	266.2	265.6	266.9	267.9	269.5	271.0	272.7	274.5	276.4
142.5°	268.2	267.4	266.8	266.5	267.5	268.6	270.1	271.3	273.0	274.4	276.2
145°	271.7	271.0	270.7	270.3	271.0	271.9	272.8	273.9	275.1	276.2	277.6
147.5°	273.1	272.7	272.4	272.1	272.8	273.3	274.1	274.7	275.6	276.5	277.5
150°	273.7	273.3	273.0	272.9	273.3	273.5	274.1	274.4	275.0	275.5	276.4
152.5°	271.9	271.5	271.5	271.3	271.5	271.8	272.2	272.5	273.1	273.4	274.3
155°	271.1	270.7	270.5	270.2	270.1	270.2	270.4	270.4	270.7	270.8	271.1
157.5°	271.6	271.2	270.9	270.5	270.5	270.2	270.2	270.1	270.3	270.0	270.1
160°	271.9	271.3	270.9	270.5	270.5	270.3	270.4	270.2	270.3	270.2	270.4
162.5°	274.1	273.7	273.3	273.0	272.7	272.3	272.1	271.7	271.5	271.2	271.1
165°	276.0	275.4	275.0	274.4	274.3	274.0	273.9	273.6	273.5	273.3	273.3
167.5°	279.7	279.1	278.7	278.2	277.8	277.4	277.2	276.7	276.3	276.0	275.9
170°	282.0	281.5	281.2	280.8	280.6	280.2	280.1	279.9	279.7	279.6	279.6
172.5°	286.0	285.6	285.3	285.0	284.8	284.5	284.4	284.3	284.2	284.2	284.1
175°	288.8	288.6	288.5	288.3	288.2	288.1	287.7	287.6	287.5	287.3	287.1
177.5°	290.5	290.1	290.0	289.9	289.8	289.8	289.8	289.8	289.8	289.7	289.6
180°	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1



TEST NUMBER: P1444820
 CATALOG NUMBER: EHBR1-36-UNV-TA-L940-UPL18

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7
2.5°	28987.6	28980.0	28959.9	28950.0	28931.5	28922.1	28907.7	28898.2	28886.6	28877.8	28873.4
5°	29790.8	29753.7	29679.4	29633.7	29553.5	29500.7	29421.0	29362.6	29280.3	29219.7	29141.9
7.5°	30835.7	30778.8	30683.7	30611.5	30499.3	30413.6	30287.6	30186.9	30047.7	29932.2	29790.0
10°	31261.1	31227.9	31185.3	31138.9	31076.6	31015.7	30929.7	30842.0	30725.2	30609.0	30457.3
12.5°	30632.3	30663.6	30725.2	30754.0	30801.1	30817.2	30838.7	30828.6	30809.5	30762.1	30693.2
15°	28851.6	28982.0	29188.2	29330.8	29530.6	29671.0	29856.6	29976.1	30113.8	30196.0	30274.2
17.5°	25922.3	26174.6	26538.4	26828.6	27218.2	27535.0	27923.1	28228.1	28580.2	28850.3	29137.9
20°	22170.3	22523.6	23025.8	23452.2	24016.8	24495.6	25108.9	25622.7	26222.0	26721.6	27260.9
22.5°	18132.1	18547.7	19123.1	19637.5	20311.7	20913.9	21682.4	22361.6	23171.9	23897.7	24700.7
25°	14322.5	14729.9	15316.0	15848.7	16576.5	17239.8	18079.3	18858.6	19799.0	20675.7	21682.4
27.5°	11055.6	11417.4	11932.7	12412.1	13078.7	13729.9	14581.9	15413.0	16416.2	17358.5	18443.3
30°	8538.1	8831.6	9244.4	9630.1	10165.3	10697.8	11456.7	12225.3	13223.7	14200.0	15312.2
32.5°	6616.7	6867.0	7211.7	7524.7	7937.1	8338.6	8897.5	9511.7	10387.4	11322.8	12398.1
35°	5122.1	5336.2	5629.6	5899.3	6238.3	6557.1	6974.1	7412.5	8080.8	8867.6	9830.0
37.5°	4083.6	4170.9	4380.2	4601.2	4882.8	5144.8	5471.1	5795.2	6273.3	6894.1	7680.2
40°	3105.5	3244.2	3414.6	3588.6	3801.9	4011.9	4369.9	4542.1	4856.9	5302.6	5912.8
42.5°	2505.8	2603.2	2723.2	2844.2	2992.8	3139.2	3320.2	3504.5	3739.9	4041.7	4475.7
45°	2096.9	2160.4	2237.7	2318.4	2415.9	2515.8	2637.0	2763.6	2923.1	3108.6	3372.3
47.5°	1823.7	1858.8	1909.3	1964.4	2031.3	2100.4	2179.2	2259.9	2358.9	2469.0	2619.1
50°	1610.4	1639.8	1679.0	1715.8	1762.0	1832.8	1864.1	1908.7	1968.3	2032.9	2117.0
52.5°	1456.2	1475.7	1500.3	1521.5	1550.6	1577.2	1612.0	1642.7	1683.9	1722.8	1777.0
55°	1336.1	1343.2	1357.0	1370.7	1390.9	1409.0	1432.9	1453.0	1479.3	1502.6	1536.7
57.5°	1243.3	1243.9	1250.4	1257.4	1270.4	1281.9	1298.2	1311.5	1329.7	1344.6	1365.0
60°	1176.6	1173.0	1174.3	1176.8	1184.1	1191.5	1202.0	1210.6	1222.1	1230.5	1242.0
62.5°	1121.0	1115.5	1114.2	1113.6	1117.2	1119.9	1125.6	1129.8	1136.3	1140.0	1146.1
65°	1051.0	1044.4	1041.9	1038.8	1039.9	1039.1	1041.2	1041.3	1044.7	1045.4	1048.9
67.5°	987.4	982.0	978.6	974.5	972.7	969.7	968.5	965.7	965.3	962.9	962.4
70°	929.4	924.0	921.2	917.5	915.5	911.7	909.4	904.6	901.8	897.5	894.9
72.5°	862.3	859.3	858.4	855.9	855.3	853.1	852.1	848.8	846.9	843.0	840.9
75°	792.2	789.8	789.5	787.0	786.7	784.2	783.5	780.0	778.1	774.4	772.8
77.5°	708.7	705.0	704.0	701.0	701.7	700.4	701.4	698.7	697.6	693.8	692.7
80°	614.6	609.9	607.9	604.0	605.0	603.2	605.0	604.8	606.2	603.2	602.7
82.5°	503.2	498.0	497.0	494.2	496.1	496.3	500.3	498.1	499.0	496.2	497.3
85°	366.1	362.3	356.9	356.2	352.7	356.3	351.6	354.8	349.7	353.3	348.5
87.5°	226.9	219.0	214.8	209.2	207.0	201.5	199.3	195.3	196.5	194.6	195.7
90°	91.8	85.6	85.2	80.6	81.1	77.3	78.9	76.6	78.7	76.2	78.6
92.5°	31.6	33.0	35.4	38.4	40.6	43.1	45.7	48.5	50.8	53.7	55.9
95°	38.8	40.1	43.4	46.9	50.2	53.7	57.1	60.6	63.9	67.4	70.7
97.5°	48.3	49.0	52.4	55.8	59.2	62.6	66.0	69.7	73.0	76.5	79.8
100°	55.2	55.3	65.0	74.6	84.3	94.1	103.7	113.4	123.3	132.9	142.6
102.5°	101.2	103.6	128.0	152.5	176.9	201.3	225.8	250.3	274.7	299.4	323.9
105°	220.7	230.3	267.6	304.9	342.1	379.5	416.8	454.4	491.6	529.0	566.3
107.5°	407.3	424.8	458.6	492.3	525.9	559.7	593.6	627.4	661.1	694.9	728.9
110°	573.1	591.7	614.2	637.0	659.7	682.3	705.0	727.7	750.5	773.3	796.2



TEST NUMBER: P1444820
 CATALOG NUMBER: EHBR1-36-UNV-TA-L940-UPL18

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	647.4	659.5	672.6	686.1	699.3	712.6	725.9	739.3	752.8	766.2	779.6
115°	645.3	651.1	656.3	661.7	666.9	672.2	677.6	683.1	688.6	694.0	699.6
117.5°	595.9	598.1	599.0	600.1	601.0	602.3	603.3	604.6	605.9	607.2	608.3
120°	522.0	521.5	521.0	520.4	519.8	519.3	518.9	518.5	518.2	517.8	517.4
122.5°	447.5	446.4	445.8	445.3	445.0	444.7	444.3	444.2	443.9	443.7	443.5
125°	382.3	381.4	382.5	383.7	384.9	386.2	387.4	388.8	390.1	391.5	392.9
127.5°	335.0	335.0	337.3	339.8	342.2	344.8	347.3	350.0	352.4	355.2	357.7
130°	305.6	306.5	309.4	312.6	315.5	318.7	321.9	325.2	328.1	331.4	334.5
132.5°	289.4	291.1	293.9	297.0	300.0	303.2	306.1	309.3	312.4	315.5	318.4
135°	281.7	284.0	286.6	289.5	292.3	295.1	298.0	300.9	303.6	306.6	309.3
137.5°	277.8	280.1	282.4	284.7	287.0	289.6	291.9	294.3	296.5	299.1	301.3
140°	278.3	280.4	281.8	283.6	285.0	286.7	288.1	289.7	291.0	292.8	294.2
142.5°	277.9	280.0	280.8	282.0	283.0	284.5	285.5	286.8	287.7	288.8	289.7
145°	278.9	280.5	280.9	281.4	281.8	282.4	282.7	283.2	283.4	283.8	284.2
147.5°	278.7	279.9	279.9	280.1	280.4	280.4	280.7	280.9	280.9	281.1	281.3
150°	277.0	277.9	277.6	277.8	277.5	277.6	277.4	277.4	277.2	277.3	277.0
152.5°	274.7	275.4	274.9	275.0	274.6	274.5	274.1	274.1	273.7	273.5	273.4
155°	271.3	271.6	271.4	271.2	271.0	270.9	270.6	270.8	270.7	270.5	270.5
157.5°	270.1	270.1	270.0	269.9	269.7	269.7	269.5	269.5	269.5	269.8	269.9
160°	270.3	270.4	270.1	270.0	269.9	269.8	269.6	269.8	269.8	270.2	270.3
162.5°	270.8	270.7	270.5	270.4	270.3	270.4	270.3	270.5	270.5	270.7	270.9
165°	273.3	273.4	273.1	273.0	272.8	272.7	272.5	272.6	272.7	272.8	272.9
167.5°	275.7	275.6	275.6	275.7	275.7	275.9	276.0	276.3	276.5	276.9	277.0
170°	279.5	279.6	279.4	279.4	279.2	279.2	279.3	279.3	279.3	279.4	279.5
172.5°	284.1	284.1	283.9	283.6	283.4	283.3	283.0	283.0	282.8	282.7	282.5
175°	286.9	286.9	286.8	286.7	286.6	286.4	286.2	285.9	285.8	285.7	285.6
177.5°	289.6	289.4	289.2	289.2	289.1	289.0	289.0	288.9	288.9	288.9	288.7
180°	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1



TEST NUMBER: P1444820
 CATALOG NUMBER: EHBR1-36-UNV-TA-L940-UPL18

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7
2.5°	28867.6	28867.2	28864.4	28865.7	28866.3	28868.3	28870.8	28873.4	28873.9	28876.0	28876.4
5°	29083.6	29012.2	28959.4	28901.3	28857.6	28818.3	28792.1	28771.3	28763.3	28765.2	28770.1
7.5°	29669.5	29522.0	29400.4	29262.1	29146.7	29024.7	28923.4	28827.2	28757.1	28704.8	28675.6
10°	30312.3	30132.8	29961.0	29760.8	29571.0	29368.4	29184.8	29000.1	28846.0	28712.2	28614.0
12.5°	30597.6	30470.7	30322.2	30133.2	29930.1	29696.4	29460.3	29207.2	28971.8	28753.4	28577.1
15°	30295.5	30295.7	30241.6	30151.0	30009.9	29823.1	29598.1	29334.4	29056.6	28773.3	28514.4
17.5°	29336.7	29517.6	29618.2	29681.9	29662.4	29593.5	29450.4	29247.8	28988.9	28687.0	28371.2
20°	27690.1	28116.9	28421.1	28694.6	28847.9	28949.9	28939.6	28857.2	28672.8	28416.2	28087.2
22.5°	25383.5	26099.8	26664.8	27191.8	27561.4	27862.1	28005.0	28065.6	27982.1	27803.3	27494.4
25°	22582.0	23555.7	24386.8	25193.2	25798.1	26318.1	26630.4	26850.6	26868.1	26774.7	26499.1
27.5°	19469.0	20618.3	21670.1	22741.8	23592.6	24340.0	24830.4	25189.4	25303.4	25288.3	25038.1
30°	16359.9	17566.5	18725.8	19975.7	21028.4	21983.2	22631.0	23116.4	23303.4	23339.3	23098.6
32.5°	13423.7	14613.6	15769.7	17076.3	18234.7	19329.0	20094.4	20671.0	20888.5	20939.8	20675.7
35°	10758.9	11856.7	12955.4	14221.7	15373.5	16506.7	17313.1	17916.8	18119.9	18154.2	17848.5
37.5°	8448.1	9383.3	10340.7	11476.9	12534.6	13599.0	14365.1	14932.5	15080.5	15071.3	14725.4
40°	6502.3	7229.5	7998.7	8934.1	9813.5	10713.2	11360.2	11829.2	11907.0	11849.4	11486.0
42.5°	4889.4	5414.5	5972.2	6670.5	7323.0	7996.3	8467.1	8815.2	8826.3	8735.3	8409.0
45°	3642.6	4155.0	4388.9	4811.0	5231.3	5679.0	5966.4	6181.6	6148.2	6068.2	5820.2
47.5°	2776.9	2973.8	3182.6	3444.4	3689.2	4197.2	4159.6	4505.1	4256.2	4425.9	4052.5
50°	2205.1	2315.1	2427.7	2566.6	2694.5	2827.4	2910.4	2972.3	2964.2	2937.6	2866.1
52.5°	1876.1	1910.1	1965.5	2044.5	2115.9	2187.7	2234.9	2273.4	2274.1	2263.4	2227.2
55°	1568.0	1611.1	1651.0	1702.6	1790.5	1804.0	1871.9	1858.1	1863.5	1844.7	1863.9
57.5°	1382.4	1407.5	1430.0	1460.7	1486.2	1515.8	1533.3	1550.2	1548.5	1544.9	1526.4
60°	1251.0	1264.8	1277.3	1295.3	1309.1	1325.9	1334.0	1342.6	1339.8	1333.6	1317.2
62.5°	1149.7	1158.3	1165.4	1177.0	1185.5	1196.0	1200.1	1203.8	1200.1	1194.2	1179.7
65°	1049.7	1055.3	1059.7	1068.5	1074.5	1083.4	1087.0	1090.4	1087.0	1082.4	1071.4
67.5°	959.5	960.1	959.6	963.1	965.0	970.3	971.9	974.4	970.5	966.6	957.3
70°	891.1	889.7	888.0	889.3	889.7	892.2	892.7	892.2	887.7	880.8	870.5
72.5°	837.6	836.9	835.6	836.7	836.7	839.1	838.4	837.2	831.5	824.9	814.7
75°	768.9	768.3	765.8	765.9	763.8	764.5	761.7	760.1	753.8	748.2	739.2
77.5°	688.5	687.2	683.5	682.1	678.0	676.2	671.0	668.4	661.9	657.5	649.7
80°	598.7	597.3	592.5	589.8	583.4	579.3	571.6	567.2	559.7	555.4	547.8
82.5°	494.9	495.4	490.6	487.3	478.0	470.9	460.6	455.0	446.9	442.6	434.9
85°	352.0	346.9	349.6	349.4	343.6	337.4	329.1	323.2	316.3	312.2	306.8
87.5°	193.0	194.2	192.9	191.6	187.5	184.5	177.9	174.5	169.5	167.0	162.9
90°	72.6	71.4	65.7	64.6	59.0	56.2	49.7	47.6	41.6	40.4	36.5
92.5°	53.0	50.2	47.6	44.4	41.9	39.0	36.1	33.4	30.5	29.3	28.5
95°	66.6	62.5	58.4	54.2	50.1	45.9	41.9	37.7	33.6	32.8	32.0
97.5°	75.1	70.2	65.3	60.6	55.6	50.8	46.0	41.1	36.2	35.7	35.2
100°	131.5	120.3	109.1	97.8	86.6	75.4	64.3	53.0	41.8	41.2	40.5
102.5°	296.6	269.5	242.3	215.1	188.2	160.9	133.7	106.5	79.3	75.4	71.5
105°	525.2	484.0	443.1	401.9	360.7	319.6	278.6	237.3	196.1	183.0	169.7
107.5°	690.3	651.5	613.1	574.5	535.7	497.1	458.6	419.8	381.0	357.8	334.6
110°	765.5	734.8	704.4	673.8	643.2	612.6	581.9	551.3	520.6	500.6	480.6



TEST NUMBER: P1444820
 CATALOG NUMBER: EHBR1-36-UNV-TA-L940-UPL18

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	757.3	735.0	712.8	690.3	668.1	645.5	623.3	600.8	578.3	566.3	554.2
115°	686.3	672.9	659.7	646.4	633.0	619.6	606.2	592.7	579.2	573.0	566.7
117.5°	601.8	595.1	588.6	581.9	575.2	568.4	561.8	554.9	548.2	546.2	544.1
120°	515.9	514.2	512.2	510.4	508.7	506.9	505.0	503.0	501.0	501.6	502.1
122.5°	444.8	445.9	447.2	448.1	449.4	450.4	451.7	452.5	453.6	455.7	457.7
125°	395.3	397.6	400.1	402.5	404.8	407.1	409.6	411.7	414.1	416.1	418.3
127.5°	360.5	363.1	365.9	368.5	371.2	373.8	376.5	378.9	381.6	383.5	385.6
130°	337.1	339.3	341.8	344.1	346.6	348.9	351.2	353.6	356.0	357.7	359.3
132.5°	320.8	322.9	325.1	327.2	329.5	331.6	333.8	336.0	338.3	339.6	341.1
135°	311.2	312.8	314.6	316.2	318.2	319.7	321.6	323.4	325.2	326.4	327.5
137.5°	302.8	304.3	305.8	307.2	308.7	310.1	311.8	313.3	315.2	315.8	316.9
140°	295.7	297.2	298.7	300.2	301.8	303.3	305.1	306.7	308.6	309.3	310.3
142.5°	291.0	292.1	293.4	294.6	295.9	297.1	298.6	300.1	301.6	302.5	303.3
145°	285.5	286.9	288.3	289.5	290.9	292.4	294.1	295.7	297.4	298.1	298.8
147.5°	282.3	283.4	284.7	285.9	287.1	288.3	289.9	291.3	292.9	293.6	294.2
150°	278.3	279.3	280.5	281.6	283.0	284.4	285.9	287.4	289.3	290.0	290.8
152.5°	274.6	275.8	277.0	278.4	279.9	281.4	282.9	284.5	286.2	286.9	287.7
155°	271.9	272.9	274.3	275.7	277.2	278.5	280.1	281.5	283.1	284.0	284.7
157.5°	271.1	272.0	273.3	274.6	275.9	277.2	278.7	280.0	281.5	282.1	282.8
160°	271.3	272.3	273.4	274.6	275.8	277.0	278.2	279.4	280.7	281.3	281.9
162.5°	272.0	273.1	274.2	275.2	276.5	277.6	278.8	280.0	281.3	281.8	282.5
165°	273.8	274.6	275.6	276.3	277.3	278.0	279.1	279.9	281.0	281.5	282.2
167.5°	277.8	278.4	279.0	279.7	280.5	281.3	282.0	282.8	283.5	284.1	284.6
170°	280.1	280.6	281.2	281.8	282.5	283.1	283.7	284.3	285.2	285.5	286.1
172.5°	282.8	283.1	283.7	284.0	284.4	284.8	285.3	285.7	286.2	286.7	287.0
175°	285.9	286.0	286.2	286.3	286.6	286.8	287.1	287.4	287.6	287.9	288.3
177.5°	288.8	288.9	289.1	289.2	289.5	289.6	289.8	289.9	290.1	290.4	290.9
180°	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1



TEST NUMBER: P1444820
 CATALOG NUMBER: EHBR1-36-UNV-TA-L940-UPL18

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7
2.5°	28875.4	28875.1	28874.1	28872.8	28871.5	28872.3	28873.6	28876.9	28882.7	28891.1	28902.1
5°	28774.1	28779.9	28783.3	28783.7	28780.7	28778.9	28781.7	28789.6	28805.6	28832.5	28868.7
7.5°	28667.8	28675.0	28686.2	28694.6	28696.2	28694.2	28694.6	28707.1	28736.6	28788.9	28862.2
10°	28554.3	28532.7	28544.0	28564.9	28581.4	28584.5	28586.5	28601.1	28644.4	28723.4	28841.1
12.5°	28449.5	28381.2	28368.0	28386.8	28411.9	28419.9	28417.7	28424.0	28474.6	28579.2	28743.3
15°	28311.6	28183.1	28139.1	28144.0	28175.0	28186.2	28178.0	28165.6	28214.9	28342.5	28555.0
17.5°	28088.5	27881.3	27800.5	27796.9	27833.3	27842.9	27822.9	27784.3	27832.8	27992.1	28256.0
20°	27749.3	27443.4	27291.3	27267.2	27306.6	27295.1	27255.3	27196.9	27260.6	27454.4	27768.1
22.5°	27139.5	26751.9	26492.2	26408.4	26455.6	26424.1	26366.0	26291.4	26376.1	26596.2	26945.6
25°	26143.1	25695.3	25339.6	25140.2	25177.7	25121.4	25058.1	24967.7	25068.7	25321.4	25706.0
27.5°	24678.5	24161.2	23720.5	23390.3	23402.5	23328.6	23255.7	23138.7	23264.9	23563.9	23997.7
30°	22731.0	22132.5	21595.8	21147.0	21106.8	21035.2	20960.5	20807.0	20964.9	21322.9	21829.8
32.5°	20285.3	19620.6	19000.6	18433.2	18326.1	18256.2	18189.7	18013.0	18219.7	18637.0	19219.4
35°	17425.1	16717.1	16044.9	15396.7	15219.4	15149.5	15091.4	14922.1	15180.0	15634.1	16263.2
37.5°	14285.7	13562.4	12895.0	12230.4	11979.8	11884.9	11842.7	11731.8	12029.3	12478.6	13110.1
40°	11062.6	10390.2	9791.8	9204.8	8919.1	8774.1	8751.9	8731.8	9019.4	9409.2	9982.4
42.5°	8047.6	7505.2	7043.7	6595.0	6336.1	6138.1	6138.0	6198.1	6457.0	6749.0	7191.0
45°	5566.9	5202.7	4908.7	4608.9	4689.1	4294.1	4526.2	4407.1	4535.1	4723.3	5010.8
47.5°	3826.6	3627.9	3466.4	3298.9	3176.8	3060.2	3070.4	3145.6	3266.2	3377.9	3527.4
50°	2789.0	2687.7	2605.5	2518.5	2457.8	2406.3	2409.3	2441.8	2505.2	2564.1	2642.3
52.5°	2185.4	2129.6	2084.8	2036.8	2004.9	1979.3	1980.7	1996.5	2030.7	2064.3	2109.2
55°	1801.2	1794.5	1736.4	1693.3	1676.9	1659.6	1662.8	1668.9	1692.3	1711.9	1741.7
57.5°	1509.5	1483.4	1465.9	1443.2	1432.8	1420.8	1423.5	1425.8	1441.3	1454.6	1475.9
60°	1303.4	1284.9	1272.5	1257.1	1250.3	1242.6	1244.3	1245.7	1255.8	1264.3	1279.7
62.5°	1166.5	1149.9	1139.2	1127.3	1122.4	1117.3	1118.5	1118.9	1125.1	1131.5	1143.1
65°	1061.5	1048.4	1039.4	1029.2	1024.2	1018.8	1019.3	1019.3	1024.5	1029.2	1037.9
67.5°	950.5	940.6	934.8	926.6	923.2	917.7	917.6	915.9	919.3	921.1	927.1
70°	861.3	851.3	844.0	836.2	831.8	827.0	827.1	827.2	831.2	835.3	843.0
72.5°	806.2	796.7	790.1	783.2	779.2	775.1	774.4	773.9	776.8	779.1	784.2
75°	733.4	725.8	721.8	715.4	712.2	707.6	706.8	704.7	706.1	706.5	710.3
77.5°	644.9	637.7	634.5	628.0	625.3	620.1	619.6	617.3	618.3	617.6	620.5
80°	544.1	537.5	535.8	530.4	529.2	524.3	523.6	520.6	521.5	519.2	520.3
82.5°	431.5	425.5	424.3	419.3	419.3	414.9	414.7	410.3	410.3	406.5	400.5
85°	304.0	299.5	297.8	293.7	292.4	288.9	287.1	282.9	281.5	278.7	277.9
87.5°	160.4	157.6	155.1	153.3	149.7	143.4	142.8	138.4	138.7	135.6	135.8
90°	35.8	32.1	31.5	28.1	27.3	25.0	24.3	24.3	24.9	25.0	25.5
92.5°	27.6	26.6	25.6	24.7	23.8	22.7	21.8	22.7	23.8	24.7	25.6
95°	31.1	30.3	29.3	28.5	27.7	26.8	26.0	26.8	27.7	28.6	29.4
97.5°	34.7	34.1	33.6	33.1	32.5	32.0	31.5	32.1	32.6	33.2	33.7
100°	40.0	39.3	38.7	38.0	37.5	36.8	36.1	37.1	37.7	38.3	38.9
102.5°	67.5	63.6	59.7	55.8	51.8	47.9	44.0	47.9	51.8	55.9	59.8
105°	156.4	143.3	130.0	116.7	103.5	90.2	77.0	90.3	103.6	116.8	130.2
107.5°	311.2	288.2	264.8	241.6	218.1	194.9	171.5	195.0	218.3	241.7	265.0
110°	460.5	440.5	420.5	400.3	380.2	360.1	340.0	360.2	380.4	400.5	420.7



TEST NUMBER: P1444820
 CATALOG NUMBER: EHBR1-36-UNV-TA-L940-UPL18

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	542.0	529.9	517.7	505.6	493.3	481.2	468.9	481.4	493.7	506.2	518.3
115°	560.5	554.0	547.8	541.5	535.0	528.6	522.0	529.0	535.5	542.1	548.7
117.5°	541.8	539.9	537.7	535.7	533.4	531.3	529.0	531.5	533.9	536.6	538.9
120°	502.4	503.1	503.5	503.8	504.2	504.6	504.8	505.0	505.0	505.0	504.9
122.5°	459.5	461.5	463.4	465.4	467.0	468.9	470.5	469.3	467.9	466.8	465.1
125°	420.3	422.5	424.4	426.4	428.2	430.2	431.7	430.8	429.4	428.0	426.4
127.5°	387.5	389.4	391.2	393.2	394.8	396.6	398.0	397.3	396.0	394.9	393.4
130°	360.9	362.7	364.0	365.6	366.9	368.2	369.2	368.8	368.1	367.5	366.4
132.5°	342.4	343.9	345.2	346.4	347.4	348.5	349.2	349.2	348.8	348.4	347.8
135°	328.7	329.7	330.8	331.9	332.7	333.4	333.8	334.2	334.1	334.0	333.5
137.5°	317.6	318.6	319.3	319.9	320.4	320.9	321.1	321.6	321.8	322.3	322.2
140°	311.0	312.0	312.8	313.4	314.1	314.6	314.7	315.4	315.5	315.8	315.6
142.5°	304.2	305.0	305.9	306.6	307.0	307.5	307.8	308.3	308.5	308.7	308.7
145°	299.6	300.2	300.8	301.5	301.9	302.1	302.1	302.9	303.3	303.5	303.8
147.5°	294.9	295.6	296.1	296.5	296.9	297.2	297.3	297.8	298.3	298.6	298.9
150°	291.6	292.4	293.0	293.7	294.1	294.6	294.7	295.2	295.4	295.7	295.7
152.5°	288.3	289.1	289.6	290.2	290.7	291.0	291.2	291.7	292.1	292.4	292.5
155°	285.4	286.1	286.8	287.4	287.9	288.4	288.8	289.3	289.6	289.8	290.0
157.5°	283.4	284.2	284.6	285.3	285.7	286.4	286.8	287.3	287.7	288.1	288.3
160°	282.5	283.2	283.7	284.3	284.9	285.4	285.8	286.4	286.8	287.1	287.5
162.5°	282.9	283.6	284.0	284.6	285.1	285.6	286.1	286.6	287.0	287.5	287.8
165°	282.8	283.4	284.1	284.7	285.3	285.9	286.3	286.8	287.0	287.3	287.6
167.5°	285.1	285.7	286.3	286.9	287.3	288.0	288.4	288.8	289.0	289.3	289.5
170°	286.5	287.0	287.6	288.1	288.5	289.1	289.4	289.6	289.8	290.1	290.3
172.5°	287.6	288.2	288.6	289.2	289.7	290.2	290.6	290.9	290.9	290.9	290.8
175°	288.6	289.1	289.5	289.9	290.2	290.7	291.0	291.0	291.0	291.0	291.0
177.5°	291.3	291.8	292.3	292.5	292.9	293.3	293.7	293.4	293.1	293.0	292.7
180°	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1



TEST NUMBER: P1444820
 CATALOG NUMBER: EHBR1-36-UNV-TA-L940-UPL18

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7
2.5°	28917.5	28932.0	28954.1	28974.2	29004.4	29028.2	29064.0	29091.1	29131.5	29157.7	29201.6
5°	28920.0	28976.7	29051.0	29123.7	29211.0	29290.2	29388.7	29472.5	29571.5	29652.2	29753.5
7.5°	28960.9	29070.0	29200.8	29332.6	29481.6	29621.0	29778.1	29920.3	30075.7	30207.1	30350.8
10°	28991.1	29159.4	29352.1	29546.0	29750.1	29939.8	30131.3	30296.7	30451.3	30578.6	30691.0
12.5°	28950.2	29182.0	29429.4	29668.2	29895.1	30091.4	30256.1	30383.4	30471.1	30530.8	30544.7
15°	28811.2	29090.2	29359.0	29596.9	29785.2	29930.4	30005.6	30040.8	30003.1	29940.3	29802.5
17.5°	28551.5	28845.7	29086.1	29273.7	29373.2	29412.6	29350.3	29242.0	29030.3	28795.2	28455.8
20°	28075.2	28349.4	28523.7	28626.1	28599.5	28501.0	28265.8	27980.0	27557.3	27106.8	26512.3
22.5°	27240.0	27479.7	27572.5	27580.2	27417.8	27171.2	26747.1	26256.8	25590.0	24896.6	24044.0
25°	25986.2	26196.2	26210.8	26128.4	25831.1	25431.6	24808.8	24115.3	23209.1	22285.2	21216.7
27.5°	24285.9	24487.2	24437.9	24284.1	23871.4	23336.7	22539.4	21643.4	20526.3	19435.2	18253.2
30°	22148.5	22363.7	22305.8	22108.5	21617.6	20985.7	20047.5	19006.6	17766.3	16600.8	15403.1
32.5°	19590.5	19862.7	19822.7	19635.2	19122.9	18446.7	17428.7	16324.7	15055.7	13907.1	12742.1
35°	16683.1	17013.5	17030.7	16908.1	16432.5	15764.1	14758.8	13690.3	12474.7	11391.1	10314.8
37.5°	13550.7	13933.8	14012.5	13979.4	13585.3	12995.2	12079.3	11120.8	10043.9	9094.3	8173.7
40°	10401.0	10788.7	10923.3	10963.2	10672.4	10215.4	9463.7	8689.9	7812.1	7042.6	6311.6
42.5°	7528.5	7872.3	8002.4	8084.2	7902.6	7597.8	7049.5	6487.6	5844.5	5289.5	4757.4
45°	5228.7	5471.9	5570.8	5653.1	5554.3	5382.4	5036.1	4684.7	4260.1	3897.4	3554.0
47.5°	3655.7	3789.8	3855.1	3895.0	3856.7	3767.0	3578.6	3375.1	3135.4	2923.4	2719.7
50°	2709.7	2781.1	2815.2	2838.3	2810.4	2760.6	2658.5	2547.8	2416.1	2296.0	2178.7
52.5°	2147.3	2188.2	2208.6	2220.9	2205.0	2174.5	2115.1	2049.4	1970.5	1896.3	1857.3
55°	1809.0	1806.8	1853.8	1831.1	1853.8	1803.2	1792.6	1720.3	1654.8	1608.7	1558.7
57.5°	1491.8	1513.1	1522.1	1532.2	1525.7	1516.4	1491.2	1465.3	1430.7	1401.8	1371.0
60°	1291.4	1308.9	1318.7	1328.7	1328.1	1324.6	1310.1	1294.6	1273.0	1255.8	1237.0
62.5°	1153.3	1168.5	1178.2	1187.8	1188.6	1187.2	1176.2	1165.4	1150.7	1139.9	1127.0
65°	1044.7	1055.3	1061.9	1069.5	1069.1	1067.1	1057.0	1048.2	1036.0	1028.5	1019.0
67.5°	930.9	939.0	944.1	951.3	952.7	953.2	947.7	943.5	937.6	935.5	932.2
70°	850.0	859.8	868.1	877.2	882.2	884.5	882.2	880.0	876.6	875.1	872.6
72.5°	788.8	797.1	803.5	811.8	816.5	819.8	818.0	816.8	813.8	813.3	811.6
75°	712.8	718.6	722.2	728.5	730.9	734.0	732.6	733.4	732.4	734.8	734.6
77.5°	621.5	625.7	627.4	631.8	632.3	636.0	637.0	641.3	644.4	651.3	654.9
80°	518.6	521.3	521.3	525.9	528.0	534.3	537.3	544.5	547.8	554.0	554.5
82.5°	402.8	399.8	402.8	400.9	406.8	413.9	414.9	421.0	422.4	426.2	423.2
85°	275.4	275.2	272.7	273.2	271.3	272.2	271.1	272.3	271.2	271.3	268.5
87.5°	131.9	133.1	130.2	131.2	128.4	129.7	127.3	129.1	126.2	126.7	122.4
90°	25.9	26.5	26.7	27.4	28.3	29.9	31.8	33.4	35.6	37.1	39.0
92.5°	26.6	27.7	28.6	29.6	30.6	33.4	36.2	39.1	42.1	44.8	47.7
95°	30.4	31.2	32.0	33.2	34.0	38.1	42.3	46.4	50.6	54.7	58.9
97.5°	34.5	35.0	35.6	36.1	36.7	41.6	46.5	51.3	56.2	61.1	65.9
100°	39.7	40.3	40.9	41.6	42.3	53.6	64.8	76.0	87.3	98.5	109.7
102.5°	63.8	67.7	71.7	75.9	79.8	107.1	134.3	161.6	188.7	215.9	243.1
105°	143.5	156.7	170.2	183.5	196.8	238.0	279.3	320.6	361.6	402.8	444.0
107.5°	288.4	311.7	335.2	358.5	381.9	420.7	459.5	498.2	537.0	575.8	614.2
110°	441.1	461.1	481.5	501.7	521.8	552.4	583.3	614.0	644.7	675.3	706.0



TEST NUMBER: P1444820
 CATALOG NUMBER: EHBR1-36-UNV-TA-L940-UPL18

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	530.9	543.0	555.3	567.4	579.7	602.2	624.9	647.4	669.9	692.2	714.8
115°	555.3	561.5	568.1	574.5	581.1	594.6	608.1	621.7	635.2	648.6	662.1
117.5°	541.2	543.5	545.9	547.9	550.2	557.0	564.0	570.8	577.8	584.7	591.5
120°	504.8	504.5	504.2	503.8	503.6	505.5	507.7	509.7	511.8	513.7	515.6
122.5°	463.6	461.8	460.2	458.5	456.7	455.6	454.8	453.7	453.0	451.8	451.0
125°	424.8	423.1	421.3	419.4	417.5	415.3	413.2	410.9	408.7	406.6	404.3
127.5°	392.2	390.5	389.1	387.2	385.5	383.0	380.5	378.0	375.6	372.9	370.4
130°	365.6	364.3	363.2	361.7	360.5	358.0	356.0	353.7	351.4	349.2	346.9
132.5°	347.0	346.1	345.3	344.1	343.0	340.9	339.1	336.9	334.7	332.7	330.7
135°	333.2	332.5	332.0	331.2	330.5	328.6	327.2	325.4	323.8	322.2	320.6
137.5°	322.2	321.7	321.4	321.0	320.5	319.0	317.7	316.3	315.0	313.5	312.2
140°	315.6	315.3	315.2	314.7	314.2	312.8	311.4	309.9	308.5	307.0	305.6
142.5°	308.6	308.4	308.2	307.7	307.3	306.0	305.2	304.0	302.8	301.7	300.5
145°	303.7	303.7	303.6	303.3	303.3	301.9	300.7	299.3	298.3	296.9	295.7
147.5°	299.1	299.0	299.1	299.0	299.1	297.8	297.0	295.8	295.0	293.8	293.0
150°	295.8	295.8	295.8	295.6	295.5	294.4	293.6	292.5	291.6	290.5	289.6
152.5°	292.7	292.8	292.9	292.9	293.0	292.0	291.0	290.0	289.1	287.9	286.9
155°	290.2	290.3	290.5	290.5	290.5	289.6	288.8	287.8	286.9	285.9	285.1
157.5°	288.5	288.7	288.9	289.1	289.2	288.4	287.7	286.9	286.2	285.4	284.6
160°	287.8	288.1	288.3	288.4	288.6	288.0	287.5	286.8	286.3	285.5	284.7
162.5°	288.2	288.4	288.6	288.8	289.0	288.3	287.9	287.3	286.7	285.8	285.2
165°	287.8	287.9	288.1	288.1	288.2	287.7	287.5	287.0	286.7	286.0	285.6
167.5°	289.6	289.6	289.8	289.8	290.0	289.7	289.6	289.3	288.9	288.6	288.3
170°	290.3	290.5	290.6	290.6	290.7	290.4	290.2	289.9	289.7	289.3	288.9
172.5°	290.9	290.8	290.8	290.8	290.7	290.5	290.3	290.1	290.0	289.7	289.6
175°	290.8	290.8	290.8	290.6	290.5	290.5	290.4	290.5	290.4	290.2	290.1
177.5°	292.5	292.4	292.1	291.8	291.6	291.5	291.6	291.4	291.5	291.4	291.3
180°	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1



TEST NUMBER: P1444820
 CATALOG NUMBER: EHBR1-36-UNV-TA-L940-UPL18

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7
2.5°	29228.8	29048.2	29024.5	29037.2	29067.2	29078.4	29111.0	29119.9	29152.7	29160.7	29192.2
5°	29831.9	29593.3	29605.2	29662.6	29749.4	29801.2	29886.5	29931.2	30012.7	30049.8	30123.4
7.5°	30467.9	30280.5	30338.9	30435.6	30554.4	30636.6	30739.2	30806.0	30894.3	30949.2	31020.0
10°	30780.1	30728.7	30793.1	30869.2	30937.0	30990.0	31033.5	31068.2	31091.1	31112.4	31121.7
12.5°	30542.5	30622.0	30632.9	30625.5	30580.6	30546.3	30469.4	30417.1	30324.2	30267.6	30157.1
15°	29661.6	29836.3	29739.5	29593.1	29378.8	29200.1	28947.8	28759.9	28497.2	28319.0	28055.2
17.5°	28115.7	28336.2	28084.1	27745.2	27314.1	26945.3	26486.0	26121.6	25664.9	25332.7	24906.6
20°	25939.3	26145.3	25695.8	25134.0	24467.2	23905.9	23244.1	22716.0	22101.0	21643.4	21091.3
22.5°	23229.6	23376.4	22743.0	21985.6	21136.1	20434.9	19643.6	19010.5	18308.6	17785.6	17196.9
25°	20231.7	20271.4	19511.5	18639.1	17692.1	16904.1	16059.3	15393.8	14677.9	14147.8	13570.1
27.5°	17206.0	17147.9	16326.7	15401.6	14405.5	13586.5	12762.5	12138.8	11511.8	11034.3	10536.5
30°	14350.1	14209.5	13356.8	12405.9	11439.0	10704.9	10020.9	9519.9	9021.2	8642.4	8242.8
32.5°	11731.2	11532.7	10702.7	9811.9	8997.2	8430.6	7923.5	7544.4	7141.6	6821.7	6486.4
35°	9411.5	9200.1	8464.8	7709.6	7092.9	6675.3	6276.7	5965.7	5623.7	5353.8	5062.6
37.5°	7420.7	7247.5	6631.5	6037.2	5570.8	5247.2	4920.6	4666.4	4383.8	4265.1	3953.9
40°	5728.8	5607.7	5126.1	4687.9	4337.7	4185.7	3854.1	3616.7	3405.5	3231.4	3062.7
42.5°	4468.5	4425.7	3957.0	3615.3	3368.7	3177.2	2992.4	2842.4	2696.4	2576.3	2462.9
45°	3279.3	3245.3	3037.3	2840.0	2672.0	2538.1	2413.1	2310.0	2214.5	2135.4	2063.5
47.5°	2553.5	2542.6	2422.8	2300.5	2194.7	2108.7	2027.6	1959.2	1895.8	1843.0	1825.7
50°	2076.9	2075.5	2005.2	1929.7	1854.3	1804.6	1752.9	1712.4	1671.7	1640.0	1606.5
52.5°	1764.6	1757.1	1709.6	1663.0	1618.2	1585.6	1552.5	1526.6	1499.7	1480.1	1459.3
55°	1519.2	1527.2	1499.8	1472.0	1444.0	1423.6	1400.4	1383.4	1365.0	1352.6	1340.0
57.5°	1348.7	1359.4	1344.9	1329.2	1312.1	1298.8	1282.8	1271.0	1258.7	1250.7	1243.5
60°	1224.6	1236.3	1230.5	1222.5	1212.0	1204.1	1193.9	1187.3	1179.4	1175.0	1170.9
62.5°	1119.5	1134.0	1131.9	1128.1	1121.4	1116.9	1111.5	1108.5	1103.3	1101.3	1099.3
65°	1014.5	1030.8	1030.5	1028.6	1024.9	1023.6	1020.2	1019.5	1016.8	1017.9	1017.6
67.5°	931.9	946.1	949.2	951.4	951.3	952.1	951.9	953.3	953.3	955.3	956.6
70°	872.3	882.2	884.5	886.9	887.6	889.4	889.4	890.7	890.4	892.1	892.2
72.5°	812.0	825.1	827.4	829.4	829.4	831.2	830.2	829.9	827.3	826.7	825.0
75°	737.1	753.8	757.4	759.8	760.1	761.7	759.5	758.1	753.8	752.0	749.0
77.5°	658.9	676.1	678.7	679.5	678.1	678.5	673.8	670.5	665.1	662.8	659.9
80°	556.9	582.4	584.4	582.8	578.8	578.2	573.6	570.5	564.0	561.8	559.3
82.5°	423.8	453.6	457.8	459.7	456.4	457.2	452.8	451.1	445.0	444.0	440.0
85°	267.6	297.4	302.3	301.6	298.4	297.7	295.1	295.9	295.4	297.0	297.8
87.5°	123.0	151.9	158.8	156.5	156.2	154.2	149.5	151.3	154.1	155.9	156.1
90°	40.8	51.3	52.9	52.2	48.6	47.4	44.2	43.5	40.7	39.9	37.2
92.5°	50.6	53.4	56.3	53.8	51.1	48.6	46.1	43.4	41.0	38.4	35.9
95°	63.0	66.9	71.0	67.6	64.1	60.7	57.3	53.9	50.5	47.1	43.7
97.5°	70.7	75.4	80.1	76.8	73.3	69.9	66.4	63.1	59.6	56.2	52.7
100°	120.9	131.7	142.9	133.2	123.5	113.8	104.2	94.5	84.8	75.1	65.4
102.5°	270.3	297.2	324.2	299.7	275.2	250.7	226.3	201.8	177.4	152.7	128.3
105°	485.1	525.8	566.9	529.3	491.9	454.6	417.3	379.9	342.6	305.1	267.8
107.5°	652.9	690.9	729.3	695.5	661.7	627.9	593.9	560.2	526.4	492.5	458.7
110°	736.7	766.4	796.8	773.9	751.2	728.3	705.5	682.7	660.0	637.4	614.7



TEST NUMBER: P1444820
 CATALOG NUMBER: EHBR1-36-UNV-TA-L940-UPL18

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	737.1	758.3	780.3	766.7	753.4	739.9	726.6	713.1	699.9	686.3	673.2
115°	675.4	687.4	700.4	694.7	689.4	683.8	678.3	673.0	667.5	662.0	656.9
117.5°	598.2	603.2	609.5	608.1	606.9	605.5	604.3	603.1	602.0	600.8	599.7
120°	517.5	517.5	518.8	519.0	519.5	519.7	520.1	520.4	520.9	521.3	521.8
122.5°	449.9	446.7	445.0	445.1	445.3	445.4	445.7	446.0	446.3	446.5	447.0
125°	402.1	397.3	394.4	393.0	391.8	390.3	389.0	387.6	386.4	385.0	383.9
127.5°	367.9	362.8	359.6	357.0	354.5	351.8	349.3	346.6	344.1	341.5	339.2
130°	344.6	339.6	336.6	333.4	330.5	327.2	324.2	321.0	317.8	314.7	311.6
132.5°	328.6	323.7	320.9	317.8	315.0	311.7	308.8	305.7	302.7	299.4	296.6
135°	318.9	314.2	311.8	309.0	306.4	303.5	300.8	297.8	295.2	292.3	289.6
137.5°	310.8	306.0	304.0	301.7	299.5	297.1	295.0	292.6	290.3	287.8	285.6
140°	304.1	299.2	297.0	295.6	294.3	292.7	291.3	289.8	288.4	287.0	285.5
142.5°	299.3	294.6	292.6	291.7	290.8	289.7	289.0	288.0	286.9	285.6	284.7
145°	294.6	289.2	287.1	286.7	286.7	286.3	285.9	285.7	285.4	284.9	284.6
147.5°	291.8	286.3	284.2	284.2	284.2	284.0	284.2	283.9	284.1	283.8	283.9
150°	288.4	282.2	279.9	280.1	280.1	280.4	280.6	280.7	281.0	281.2	281.3
152.5°	285.8	278.5	275.8	276.0	276.4	276.5	276.8	277.2	277.5	277.9	278.2
155°	284.0	276.0	273.1	272.9	273.1	273.2	273.3	273.5	273.7	273.9	274.3
157.5°	283.6	275.1	272.3	272.0	272.0	272.0	271.9	272.1	272.2	272.3	272.7
160°	284.1	275.5	272.7	272.4	272.4	272.2	272.1	272.2	272.3	272.4	272.6
162.5°	284.4	276.1	273.4	273.1	272.9	272.7	272.7	272.6	272.7	272.7	272.9
165°	285.0	277.7	275.2	275.0	275.1	274.9	274.9	275.0	275.0	275.1	275.4
167.5°	287.8	281.2	279.3	278.9	278.7	278.3	278.3	277.9	277.9	277.6	277.6
170°	288.4	283.3	281.6	281.5	281.5	281.5	281.5	281.5	281.4	281.4	281.5
172.5°	289.3	285.5	284.2	284.2	284.5	284.6	284.8	285.0	285.2	285.4	285.6
175°	290.0	287.8	287.2	287.1	287.2	287.3	287.4	287.6	287.7	287.8	288.1
177.5°	291.2	290.6	290.3	290.3	290.3	290.3	290.3	290.3	290.3	290.4	290.4
180°	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1



TEST NUMBER: P1444820
 CATALOG NUMBER: EHBR1-36-UNV-TA-L940-UPL18

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7
2.5°	29198.1	29232.1	29229.5	29261.3	29259.7	29289.6	29283.7	29309.6	29303.6	29325.8	29312.7
5°	30155.9	30220.5	30242.0	30300.4	30312.5	30364.8	30365.9	30407.4	30402.4	30434.9	30417.6
7.5°	31061.8	31122.3	31151.0	31196.3	31219.1	31256.6	31271.3	31302.3	31309.6	31327.9	31327.3
10°	31138.3	31138.1	31152.3	31145.9	31158.6	31151.2	31166.7	31161.1	31184.0	31178.1	31195.4
12.5°	30109.5	30007.4	29970.1	29878.3	29858.3	29779.6	29785.2	29734.7	29759.1	29728.1	29780.9
15°	27898.3	27661.5	27544.5	27338.5	27273.8	27111.1	27097.8	26989.8	27018.9	26962.4	27045.0
17.5°	24630.8	24258.0	24053.3	23752.6	23633.1	23402.9	23356.8	23217.6	23239.2	23169.1	23269.0
20°	20735.2	20284.5	20026.5	19678.7	19523.5	19249.1	19176.2	19020.6	19040.1	18970.4	19083.3
22.5°	16795.1	16323.4	16031.9	15667.5	15469.3	15211.3	15133.8	14977.3	14986.3	14920.8	15029.4
25°	13174.2	12722.0	12439.1	12108.0	11936.1	11699.5	11618.1	11477.7	11485.6	11431.6	11529.1
27.5°	10191.3	9820.2	9583.6	9305.9	9151.8	8957.3	8877.9	8759.9	8759.5	8719.9	8801.4
30°	7963.9	7654.2	7441.8	7200.0	7055.4	6879.7	6803.1	6697.4	6692.8	6664.7	6729.5
32.5°	6235.5	5960.1	5766.3	5553.6	5423.7	5273.0	5200.4	5115.6	5107.8	5082.4	5135.5
35°	4847.4	4615.4	4448.8	4269.6	4282.9	4060.6	4097.6	3924.9	3878.1	3867.9	3907.4
37.5°	3746.4	3566.8	3431.4	3297.3	3206.4	3112.5	3061.9	3016.5	3011.4	3007.0	3034.6
40°	2932.4	2806.7	2708.3	2616.2	2553.7	2496.4	2464.8	2439.8	2433.9	2430.6	2447.3
42.5°	2373.4	2288.5	2225.0	2169.0	2131.0	2099.7	2082.4	2068.5	2063.9	2064.1	2073.9
45°	2005.2	1953.8	1912.9	1877.9	1853.7	1864.3	1832.9	1849.4	1827.7	1850.2	1835.3
47.5°	1765.8	1722.1	1696.7	1672.0	1657.3	1645.5	1645.9	1646.1	1650.8	1651.5	1656.3
50°	1581.2	1555.8	1538.2	1522.4	1514.8	1508.6	1510.8	1512.3	1516.8	1517.2	1520.7
52.5°	1444.5	1427.8	1417.2	1407.4	1404.0	1400.4	1401.9	1401.3	1403.3	1402.3	1405.2
55°	1333.3	1325.4	1322.1	1318.5	1318.9	1318.0	1318.7	1315.1	1313.0	1310.3	1312.7
57.5°	1242.0	1240.9	1243.2	1244.7	1248.9	1250.4	1251.3	1247.2	1243.4	1239.8	1241.9
60°	1171.6	1173.4	1178.9	1183.5	1189.4	1192.2	1194.0	1191.6	1188.8	1185.9	1187.7
62.5°	1102.3	1104.9	1111.6	1116.7	1123.9	1127.8	1131.9	1132.1	1133.3	1132.1	1133.3
65°	1021.7	1025.1	1031.1	1035.2	1042.0	1045.4	1049.7	1050.4	1052.8	1052.3	1054.3
67.5°	960.5	963.6	968.6	972.5	978.6	982.0	985.8	986.0	986.9	986.6	988.6
70°	895.3	896.8	901.3	904.6	910.6	914.1	918.4	919.7	922.4	922.9	925.0
72.5°	825.7	825.1	827.8	829.3	833.7	836.5	842.0	845.0	849.6	850.7	852.4
75°	749.9	749.2	752.5	753.8	757.6	760.4	766.6	770.5	777.5	780.3	779.6
77.5°	662.1	663.7	669.7	673.0	678.1	681.7	689.7	696.0	708.8	714.4	708.7
80°	564.0	565.6	571.8	575.0	581.7	586.0	594.9	602.4	613.9	616.3	613.1
82.5°	443.5	443.8	449.4	451.8	460.6	466.9	478.2	484.2	491.3	490.1	489.3
85°	302.3	306.4	313.4	320.4	331.1	341.4	352.1	360.9	354.7	364.5	353.5
87.5°	161.6	161.2	170.6	169.1	184.2	192.9	202.1	206.5	211.4	210.5	210.6
90°	36.9	34.8	35.2	32.9	34.0	31.6	33.4	31.1	33.5	30.7	35.2
92.5°	33.3	32.0	30.5	29.3	27.8	26.5	25.0	23.7	22.3	20.9	22.3
95°	40.3	39.0	37.8	36.4	35.1	33.9	32.6	31.3	30.1	28.8	30.4
97.5°	49.4	48.6	47.9	47.1	46.4	45.7	45.0	44.3	43.4	42.7	43.7
100°	55.7	55.7	55.7	55.7	55.4	55.4	55.4	55.4	55.4	55.4	56.3
102.5°	103.8	101.4	98.9	96.4	94.0	91.5	89.1	86.6	84.2	81.8	85.4
105°	230.5	221.0	211.3	201.8	192.1	182.6	173.0	163.5	153.9	144.4	154.3
107.5°	425.1	407.6	390.1	372.8	355.2	337.8	320.4	303.1	285.6	268.2	283.8
110°	592.0	573.4	554.9	536.4	517.9	499.3	480.8	462.4	443.9	425.5	440.3



TEST NUMBER: P1444820
 CATALOG NUMBER: EHBR1-36-UNV-TA-L940-UPL18

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	660.0	647.7	635.8	623.7	611.8	599.9	588.0	576.0	564.2	552.3	559.5
115°	651.4	645.7	639.9	634.2	628.4	622.5	616.8	611.3	605.6	600.0	600.4
117.5°	598.7	596.5	594.5	592.4	590.5	588.5	586.7	584.9	582.9	581.3	577.2
120°	522.4	522.7	523.0	523.6	524.1	524.6	525.1	525.8	526.6	527.3	521.9
122.5°	447.4	448.4	449.5	450.8	452.1	453.5	454.9	456.5	458.1	459.7	454.3
125°	382.6	383.7	384.8	385.9	386.9	388.4	389.8	391.4	392.9	394.6	390.0
127.5°	336.7	336.8	336.8	337.2	337.3	337.8	338.3	338.9	339.7	340.5	337.6
130°	308.5	307.7	306.8	306.0	305.1	304.7	304.3	303.8	303.5	303.4	302.2
132.5°	293.6	292.0	290.4	288.9	287.5	286.2	285.0	284.2	283.2	282.5	282.1
135°	286.8	284.7	282.7	280.8	278.8	277.4	275.7	274.4	273.1	271.9	272.2
137.5°	283.2	281.3	279.2	277.4	275.4	274.0	272.3	270.8	269.6	268.5	269.1
140°	284.0	281.9	280.0	278.2	276.4	274.8	273.3	271.9	270.5	269.5	269.8
142.5°	283.6	282.0	280.1	278.5	276.8	275.4	274.1	272.9	271.5	270.6	271.0
145°	284.2	282.9	281.5	280.2	279.1	278.1	276.8	276.0	275.2	274.7	274.9
147.5°	283.6	282.8	281.5	280.7	279.6	279.0	278.2	277.6	277.0	276.5	276.6
150°	281.5	280.9	280.1	279.6	279.0	278.6	278.1	277.7	277.4	277.1	277.1
152.5°	278.5	278.0	277.4	277.0	276.5	276.1	275.8	275.5	275.3	275.0	275.0
155°	274.5	274.3	274.0	273.9	273.7	273.7	273.5	273.7	273.5	273.7	273.8
157.5°	272.8	272.9	272.8	273.0	273.1	273.1	273.1	273.4	273.4	273.7	274.0
160°	272.9	273.0	272.9	272.9	273.0	273.0	273.1	273.2	273.3	273.4	273.7
162.5°	273.0	273.3	273.3	273.6	273.9	274.1	274.5	274.9	275.1	275.5	275.9
165°	275.6	275.6	275.7	275.6	275.8	275.9	276.0	276.2	276.4	276.7	277.2
167.5°	277.5	277.7	277.7	277.9	278.1	278.6	278.7	279.1	279.5	280.0	280.3
170°	281.4	281.4	281.4	281.4	281.4	281.5	281.6	281.7	281.9	282.2	282.4
172.5°	285.7	285.7	285.5	285.7	285.5	285.7	285.7	285.8	285.8	285.9	286.0
175°	288.0	288.3	288.3	288.6	288.6	288.7	288.8	289.0	289.1	289.3	289.3
177.5°	290.4	290.5	290.5	290.5	290.5	290.6	290.6	290.6	290.6	290.5	290.6
180°	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1



TEST NUMBER: P1444820
 CATALOG NUMBER: EHBR1-36-UNV-TA-L940-UPL18

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7
2.5°	29334.4	29319.6	29334.6	29319.4	29334.6	29316.4	29328.8	29309.0	29314.0	29293.5	29298.8
5°	30443.5	30420.1	30432.6	30402.1	30405.4	30364.8	30364.0	30316.8	30304.3	30250.5	30226.9
7.5°	31340.4	31332.7	31337.0	31317.5	31315.2	31287.5	31274.3	31235.3	31210.7	31161.1	31127.3
10°	31198.4	31221.3	31227.2	31250.5	31255.3	31278.4	31283.3	31306.4	31311.1	31328.3	31328.4
12.5°	29778.4	29856.1	29874.6	29970.5	30010.9	30120.7	30179.4	30300.4	30372.2	30492.8	30566.8
15°	27042.8	27177.1	27230.7	27418.0	27521.6	27740.2	27877.5	28128.5	28305.7	28572.3	28762.5
17.5°	23277.8	23465.5	23550.1	23804.1	23969.7	24292.5	24525.0	24907.8	25200.8	25626.2	25963.4
20°	19102.6	19311.2	19426.2	19715.9	19911.4	20288.4	20578.7	21049.1	21441.4	21980.4	22441.4
22.5°	15063.5	15262.0	15389.7	15684.4	15904.5	16297.7	16622.2	17118.7	17558.2	18165.6	18718.3
25°	11565.9	11747.9	11863.2	12129.8	12336.6	12697.9	13007.7	13485.2	13915.2	14524.4	15091.2
27.5°	8842.0	8994.4	9105.6	9332.9	9515.3	9821.7	10087.9	10482.4	10853.0	11380.1	11884.7
30°	6769.2	6904.3	7012.6	7210.6	7379.6	7645.3	7879.3	8210.8	8517.4	8936.8	9338.3
32.5°	5172.9	5289.1	5385.6	5558.8	5712.2	5951.4	6162.3	6452.9	6716.0	7071.7	7402.0
35°	3944.1	4172.9	4156.7	4395.7	4434.2	4605.9	4794.0	5048.0	5281.1	5583.5	5864.7
37.5°	3061.3	3125.6	3194.5	3300.2	3411.2	3567.5	3726.4	4036.7	4150.6	4379.2	4611.8
40°	2468.6	2512.1	2557.6	2629.0	2706.7	2816.8	2932.5	3080.6	3232.3	3417.6	3607.0
42.5°	2087.0	2111.6	2140.5	2182.6	2230.5	2300.2	2377.7	2478.1	2583.5	2714.1	2847.2
45°	1864.6	1852.9	1861.5	1884.1	1912.9	1955.3	2004.2	2066.4	2135.1	2219.6	2309.5
47.5°	1657.3	1662.1	1664.6	1676.9	1692.3	1720.7	1750.4	1792.6	1874.1	1898.9	1948.0
50°	1520.4	1522.7	1521.9	1528.1	1536.0	1554.5	1573.6	1602.2	1630.8	1668.6	1704.6
52.5°	1405.6	1408.8	1408.4	1412.5	1416.7	1428.4	1440.5	1460.7	1479.4	1503.4	1524.2
55°	1315.0	1319.4	1321.1	1324.5	1326.6	1332.7	1337.6	1347.2	1355.2	1368.8	1381.4
57.5°	1245.3	1251.3	1254.1	1255.3	1252.8	1252.5	1250.9	1253.0	1254.6	1261.8	1268.9
60°	1190.5	1195.3	1196.0	1195.3	1190.7	1187.6	1182.4	1180.8	1179.9	1183.5	1187.3
62.5°	1133.0	1134.7	1133.5	1132.1	1127.0	1123.8	1118.5	1116.6	1114.7	1117.2	1119.3
65°	1053.5	1055.0	1053.5	1052.7	1048.1	1045.6	1041.1	1039.6	1037.0	1037.7	1037.2
67.5°	989.0	990.5	989.3	988.1	984.9	983.4	980.1	977.9	974.9	973.7	971.5
70°	924.7	925.9	924.0	922.9	919.3	917.9	914.7	914.0	911.6	911.1	908.5
72.5°	850.7	850.8	848.3	847.5	844.8	844.7	843.4	844.6	844.4	845.7	845.2
75°	775.0	773.9	770.8	770.2	768.1	769.1	767.7	769.5	769.7	772.5	772.9
77.5°	699.2	695.2	689.1	686.3	682.2	681.6	679.3	680.8	680.3	683.5	684.9
80°	603.4	598.6	590.8	587.0	582.2	581.4	579.3	581.4	580.3	584.1	586.8
82.5°	481.8	477.6	469.5	466.4	460.9	461.4	459.0	461.4	461.1	466.7	469.8
85°	356.4	353.6	345.2	337.8	329.5	324.7	319.9	319.1	317.7	319.9	321.9
87.5°	205.8	203.3	196.7	192.4	177.9	178.6	172.9	172.5	171.1	169.8	172.9
90°	34.3	38.1	37.4	40.9	40.6	44.6	44.7	48.5	48.0	51.7	51.7
92.5°	23.7	25.0	26.4	27.8	29.2	30.5	31.9	33.3	36.2	38.9	42.2
95°	32.0	33.5	35.1	36.8	38.4	40.0	41.6	43.1	47.5	51.8	56.2
97.5°	44.9	45.8	46.9	48.0	49.0	50.0	51.1	52.2	56.9	61.6	66.2
100°	57.1	57.9	58.8	59.7	60.6	61.4	62.2	63.1	72.4	81.4	90.4
102.5°	89.0	92.6	96.2	99.8	103.5	107.1	110.7	114.3	135.1	155.8	176.5
105°	164.2	174.0	184.0	193.8	203.7	213.5	223.5	233.4	266.5	299.7	333.1
107.5°	299.4	315.0	330.6	346.3	361.9	377.6	393.2	408.9	441.2	473.7	506.1
110°	455.2	470.1	485.0	499.9	514.8	529.7	544.7	559.8	579.3	598.7	618.2



TEST NUMBER: P1444820
 CATALOG NUMBER: EHBR1-36-UNV-TA-L940-UPL18

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	566.8	574.0	581.3	588.6	596.0	603.4	610.8	618.1	627.9	637.8	647.6
115°	600.9	601.4	601.9	602.6	603.1	603.7	604.5	605.2	608.6	611.7	615.0
117.5°	573.2	569.3	565.5	561.6	557.8	554.2	550.4	546.9	546.4	546.0	545.9
120°	516.8	511.6	506.3	501.0	496.1	491.0	486.1	481.3	479.0	476.5	474.4
122.5°	449.1	443.9	438.8	433.6	428.7	423.8	419.1	414.3	412.8	411.3	409.9
125°	385.6	381.3	377.1	373.1	369.1	365.2	361.4	357.7	357.9	358.1	358.7
127.5°	335.2	332.6	330.2	327.9	325.8	323.6	321.6	319.5	321.2	322.8	324.4
130°	301.2	300.3	299.5	298.6	298.1	297.6	297.0	296.5	299.2	301.6	304.2
132.5°	282.3	282.2	282.5	282.7	283.1	283.6	284.2	284.6	287.5	290.3	293.2
135°	272.7	273.2	274.0	274.8	276.0	276.8	277.9	278.8	281.7	284.2	287.2
137.5°	269.9	270.5	271.6	272.5	273.8	274.9	276.3	277.4	279.8	281.9	284.2
140°	270.5	271.2	272.1	273.0	273.9	274.9	276.1	277.1	279.1	280.9	282.7
142.5°	271.9	272.2	273.1	274.0	274.9	275.8	276.9	277.7	279.2	280.5	282.2
145°	275.4	275.9	276.6	277.2	277.9	278.7	279.5	280.2	281.3	282.2	283.2
147.5°	277.1	277.4	277.9	278.5	279.1	279.7	280.1	280.7	281.5	282.2	283.0
150°	277.4	277.6	278.0	278.1	278.7	279.1	279.7	280.0	280.6	281.2	281.9
152.5°	275.5	275.6	276.0	276.0	276.5	276.9	277.2	277.6	278.3	278.7	279.3
155°	274.1	274.6	274.9	275.3	275.9	276.0	276.6	276.9	277.4	277.8	278.4
157.5°	274.4	274.6	275.1	275.4	275.9	276.2	276.7	277.0	277.5	277.8	278.3
160°	274.3	274.7	275.2	275.8	276.3	276.7	277.3	277.8	278.2	278.6	278.9
162.5°	276.3	276.7	277.2	277.4	277.9	278.3	278.7	279.0	279.7	280.1	280.6
165°	277.6	278.2	278.8	279.1	279.8	280.3	280.8	281.3	281.6	282.0	282.4
167.5°	280.8	281.1	281.7	282.3	282.8	283.2	283.7	284.2	284.5	284.8	285.2
170°	282.8	283.2	283.7	284.2	284.5	284.9	285.4	285.7	286.2	286.6	287.0
172.5°	286.4	286.7	286.9	287.2	287.6	288.0	288.3	288.5	288.9	289.2	289.6
175°	289.3	289.3	289.4	289.5	289.6	289.6	289.7	289.9	290.0	290.1	290.2
177.5°	290.7	290.9	291.0	291.0	291.1	291.3	291.4	291.5	291.5	291.5	291.5
180°	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1



TEST NUMBER: P1444820
 CATALOG NUMBER: EHBR1-36-UNV-TA-L940-UPL18

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7
2.5°	29278.3	29279.6	29255.9	29254.7	29232.5	29229.7	29208.2	29201.6	29184.1	29177.7	29159.9
5°	30166.6	30137.8	30071.4	30032.2	29966.6	29923.1	29852.0	29805.6	29737.0	29685.2	29616.2
7.5°	31065.0	31020.3	30945.6	30885.2	30794.1	30721.3	30614.6	30527.2	30411.7	30311.7	30190.4
10°	31328.4	31321.6	31302.5	31274.9	31232.5	31184.8	31112.2	31036.5	30935.3	30825.3	30690.5
12.5°	30680.1	30750.2	30845.6	30902.2	30971.0	31001.2	31029.4	31022.3	31003.8	30948.1	30870.2
15°	29037.9	29234.6	29495.1	29696.9	29929.2	30097.9	30284.4	30400.5	30516.4	30569.9	30602.6
17.5°	26425.4	26797.9	27265.0	27652.0	28098.6	28457.3	28850.5	29146.5	29450.9	29669.0	29866.2
20°	23069.7	23609.4	24269.9	24853.5	25532.0	26121.8	26767.9	27298.4	27845.5	28273.3	28678.2
22.5°	19429.8	20070.8	20869.4	21609.2	22484.0	23270.2	24157.2	24929.2	25735.2	26408.6	27059.7
25°	15850.7	16553.6	17426.8	18252.2	19243.0	20157.5	21209.4	22171.5	23213.3	24117.9	25011.4
27.5°	12582.4	13272.5	14164.0	15042.6	16090.3	17064.7	18191.8	19251.9	20438.1	21532.0	22651.0
30°	9896.2	10481.5	11280.8	12131.9	13165.2	14156.7	15296.0	16386.3	17620.3	18814.8	20075.2
32.5°	7840.4	8286.3	8914.8	9634.4	10587.8	11531.7	12616.5	13669.0	14884.2	16090.8	17401.7
35°	6226.7	6574.5	7053.7	7615.3	8422.6	9236.2	10195.8	11153.0	12286.7	13431.6	14705.8
37.5°	4910.1	5192.3	5567.6	5989.5	6637.0	7304.8	8091.6	8885.1	9870.2	10885.1	12039.8
40°	3834.3	4062.7	4354.9	4669.5	5158.5	5673.0	6281.5	6896.9	7688.3	8517.8	9473.4
42.5°	3012.1	3180.7	3387.1	3616.9	4073.2	4346.3	4758.9	5204.0	5785.9	6388.0	7106.5
45°	2419.0	2534.0	2677.1	2831.3	3043.0	3274.7	3557.4	3853.7	4406.5	4677.6	5114.5
47.5°	2020.1	2097.3	2188.3	2285.5	2410.4	2545.2	2712.8	2884.1	3105.7	3335.4	3604.7
50°	1751.5	1829.9	1861.1	1911.6	1983.8	2060.8	2155.3	2249.7	2368.6	2489.1	2627.7
52.5°	1552.0	1577.6	1611.7	1643.6	1688.4	1776.1	1804.4	1853.8	1920.5	1985.6	2058.5
55°	1399.8	1416.5	1438.6	1457.9	1484.9	1510.8	1548.2	1581.1	1625.5	1664.9	1713.1
57.5°	1281.3	1291.9	1307.3	1320.0	1337.5	1352.0	1373.9	1391.8	1417.3	1439.6	1468.8
60°	1195.1	1202.3	1212.5	1220.8	1232.0	1239.6	1250.5	1258.8	1272.3	1283.6	1299.9
62.5°	1124.9	1128.5	1135.2	1140.1	1147.1	1151.0	1156.8	1160.5	1167.9	1173.6	1182.7
65°	1040.5	1041.3	1045.8	1047.8	1053.4	1055.5	1060.2	1061.9	1068.0	1072.2	1080.2
67.5°	971.3	969.4	969.5	967.9	968.6	967.0	967.4	965.7	968.2	969.5	975.6
70°	908.2	905.5	904.6	901.7	900.8	897.8	897.0	894.3	894.0	893.2	895.3
72.5°	846.6	845.8	846.1	844.1	843.9	841.8	841.9	840.6	842.0	842.7	845.5
75°	775.9	776.1	777.5	775.7	776.2	774.5	775.1	773.5	774.4	774.0	776.8
77.5°	689.8	691.8	695.6	694.8	696.0	694.1	694.9	692.7	693.3	691.8	692.9
80°	592.9	597.2	602.2	602.0	604.2	602.8	604.7	602.6	603.4	600.8	600.2
82.5°	477.9	481.6	487.0	487.2	491.9	492.7	498.0	497.8	501.1	499.0	497.5
85°	326.7	329.2	333.9	336.5	341.4	344.3	349.4	351.4	347.8	354.4	349.2
87.5°	170.6	176.9	173.4	181.7	179.7	188.1	186.3	194.1	192.5	199.2	198.3
90°	56.6	57.2	62.4	63.2	69.4	70.9	74.3	72.5	75.6	74.0	77.1
92.5°	44.9	48.1	51.1	54.0	57.0	60.1	57.2	54.5	51.7	49.1	46.2
95°	60.6	64.8	69.2	73.6	77.9	82.3	77.6	73.0	68.4	63.7	59.0
97.5°	70.9	75.6	80.3	85.0	89.7	94.4	88.9	83.4	77.8	72.4	66.9
100°	99.4	108.5	117.6	126.5	135.6	144.7	134.5	124.2	114.0	103.7	93.4
102.5°	197.4	218.2	239.0	259.7	280.4	301.2	279.4	257.9	236.0	214.2	192.4
105°	366.2	399.5	432.7	465.8	499.1	532.5	497.2	461.8	426.5	391.4	355.9
107.5°	538.5	570.9	603.5	635.8	668.3	700.9	665.1	629.2	593.6	557.8	521.9
110°	637.9	657.4	676.9	696.7	716.2	735.9	709.8	683.8	657.7	631.6	605.6



TEST NUMBER: P1444820
 CATALOG NUMBER: EHBR1-36-UNV-TA-L940-UPL18

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	657.6	667.5	677.4	687.5	697.3	707.3	688.7	670.3	651.6	633.1	614.5
115°	618.3	621.7	625.1	628.5	631.7	635.2	622.8	610.3	598.0	585.5	573.0
117.5°	545.6	545.4	544.9	544.9	544.5	544.4	537.6	530.8	523.9	517.1	510.1
120°	472.0	469.9	467.7	465.5	463.1	460.8	458.1	455.4	452.6	449.9	446.9
122.5°	408.4	407.2	405.7	404.4	402.8	401.4	400.5	399.8	398.7	397.9	397.0
125°	359.1	359.3	359.6	360.1	360.3	360.6	360.4	360.2	359.8	359.6	359.1
127.5°	326.0	327.7	329.2	330.7	332.1	333.7	333.8	334.2	334.3	334.5	334.6
130°	306.5	309.1	311.4	313.9	316.1	318.6	318.5	318.6	318.6	318.6	318.7
132.5°	295.9	298.7	301.4	304.2	306.8	309.5	309.4	309.5	309.2	309.3	309.1
135°	289.7	292.4	294.9	297.7	300.0	302.5	302.3	302.3	301.9	301.9	301.8
137.5°	286.2	288.5	290.6	292.7	294.6	296.7	296.4	296.4	296.0	296.1	295.8
140°	284.3	286.2	287.8	289.6	291.2	292.9	292.5	292.2	291.8	291.4	291.0
142.5°	283.5	284.9	286.1	287.5	288.7	290.1	289.2	288.6	288.0	287.3	286.7
145°	284.2	285.3	286.2	287.1	287.8	288.8	287.9	287.1	286.0	285.3	284.4
147.5°	283.7	284.4	284.8	285.6	285.9	286.7	285.7	284.9	284.1	283.0	282.2
150°	282.3	283.1	283.6	284.1	284.5	285.1	284.1	283.1	282.0	281.1	280.1
152.5°	279.9	280.4	280.9	281.3	281.7	282.1	281.0	280.3	279.2	278.2	277.2
155°	278.7	279.1	279.4	279.8	279.9	280.2	279.3	278.7	277.7	277.0	276.0
157.5°	278.6	279.0	279.3	279.6	279.8	280.1	279.5	278.9	278.2	277.6	276.9
160°	279.3	279.6	280.0	280.1	280.4	280.6	280.1	279.7	279.1	278.5	277.9
162.5°	281.0	281.5	281.9	282.2	282.6	282.9	282.3	281.7	281.1	280.4	279.8
165°	282.7	283.0	283.3	283.7	283.8	284.1	283.6	283.3	282.8	282.5	281.9
167.5°	285.5	285.8	286.1	286.4	286.5	286.7	286.3	286.1	285.5	285.1	284.6
170°	287.2	287.7	288.1	288.3	288.6	288.8	288.5	288.3	287.8	287.5	287.0
172.5°	289.8	290.2	290.3	290.7	290.8	291.0	290.7	290.3	289.9	289.6	289.1
175°	290.2	290.4	290.6	290.6	290.6	290.7	290.4	290.0	289.7	289.4	289.1
177.5°	291.5	291.5	291.5	291.4	291.4	291.4	291.2	291.0	290.8	290.6	290.2
180°	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1



TEST NUMBER: P1444820
 CATALOG NUMBER: EHBR1-36-UNV-TA-L940-UPL18

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7	28971.7
2.5°	29153.6	29140.9	29132.7	29122.4	29116.1	29108.0	29102.1	29097.1	29093.0	29089.2	29086.4
5°	29563.5	29498.4	29447.8	29393.0	29348.0	29303.2	29268.6	29240.0	29220.2	29205.4	29196.6
7.5°	30085.5	29966.2	29860.2	29748.5	29648.4	29549.9	29465.1	29392.0	29337.1	29301.6	29280.0
10°	30551.6	30392.0	30234.0	30067.7	29910.2	29757.2	29616.2	29492.1	29393.8	29328.5	29290.4
12.5°	30760.5	30624.5	30463.2	30282.8	30089.5	29894.2	29703.7	29531.9	29387.7	29290.9	29235.1
15°	30576.5	30520.7	30411.2	30271.1	30087.9	29885.8	29662.1	29451.9	29258.5	29133.1	29060.4
17.5°	29977.9	30055.9	30047.5	29994.0	29862.1	29692.1	29464.1	29228.1	28986.1	28818.5	28726.9
20°	28967.7	29212.8	29337.1	29400.9	29349.2	29238.9	29032.5	28792.9	28510.9	28292.0	28158.5
22.5°	27548.2	27980.8	28250.4	28447.6	28489.5	28451.9	28269.8	28041.8	27727.5	27464.4	27267.2
25°	25720.7	26354.6	26780.6	27114.6	27244.3	27277.8	27122.8	26896.1	26545.7	26239.3	25968.4
27.5°	23568.2	24391.8	24960.6	25409.4	25612.1	25699.9	25557.2	25325.9	24911.5	24545.6	24191.8
30°	21144.9	22122.0	22807.0	23345.1	23592.1	23708.1	23556.5	23298.4	22816.1	22375.9	21930.0
32.5°	18551.2	19620.5	20366.8	20951.2	21196.0	21305.2	21106.8	20816.9	20259.5	19740.8	19221.0
35°	15835.7	16914.9	17667.5	18236.4	18441.6	18507.3	18253.7	17918.6	17301.0	16731.8	16164.9
37.5°	13064.8	14068.9	14753.0	15263.5	15390.4	15401.8	15096.2	14726.1	14077.0	13515.7	12951.4
40°	10318.0	11164.7	11717.0	12125.6	12169.7	12130.4	11798.2	11425.7	10818.4	10315.6	9820.2
42.5°	7730.5	8369.6	8763.7	9043.8	9027.1	8949.5	8644.8	8324.7	7823.7	7440.7	7050.8
45°	5513.8	5935.2	6165.6	6329.5	6276.9	6202.9	5965.8	5741.5	5400.9	5153.6	4891.6
47.5°	3830.5	4333.7	4246.2	4566.6	4290.5	4472.8	4093.2	3883.8	3703.2	3571.7	3423.7
50°	2742.3	2857.6	2913.3	2951.4	2931.1	2903.1	2834.9	2774.0	2691.4	2631.2	2561.2
52.5°	2117.8	2175.5	2207.1	2229.9	2225.4	2215.2	2185.5	2158.3	2119.7	2094.2	2063.5
55°	1793.9	1794.7	1852.9	1827.9	1864.7	1821.6	1838.5	1790.7	1798.4	1757.5	1729.9
57.5°	1490.6	1514.3	1524.9	1535.2	1532.3	1530.5	1519.0	1513.2	1500.2	1496.2	1487.0
60°	1311.2	1323.6	1326.2	1330.9	1326.9	1325.4	1316.4	1313.2	1304.5	1302.8	1296.8
62.5°	1188.2	1194.6	1194.6	1194.6	1189.3	1184.4	1174.4	1169.2	1161.8	1160.2	1156.6
65°	1085.6	1092.1	1093.2	1094.6	1090.8	1087.0	1078.1	1072.4	1064.8	1061.9	1057.8
67.5°	979.5	986.5	988.9	992.5	990.3	989.5	983.5	981.3	976.3	975.1	971.3
70°	896.3	899.2	899.0	898.9	894.2	890.0	883.0	879.7	874.4	873.3	870.0
72.5°	846.9	848.9	847.6	845.7	839.7	833.5	825.3	819.3	812.4	808.1	803.3
75°	777.2	779.9	778.1	777.0	771.5	767.4	760.9	757.5	752.7	751.3	747.9
77.5°	691.6	692.9	690.1	689.8	685.6	683.0	678.1	677.2	673.7	673.8	670.5
80°	596.3	595.6	591.1	590.2	586.0	585.0	581.1	581.3	578.6	579.7	577.4
82.5°	490.7	488.0	482.1	480.4	475.5	475.1	472.5	474.7	473.0	475.5	474.0
85°	351.6	352.4	349.8	349.8	348.4	348.8	348.6	350.2	350.5	352.8	352.7
87.5°	196.0	198.8	198.3	200.9	200.8	203.7	204.7	209.0	209.5	213.4	213.4
90°	75.5	79.1	77.3	81.1	80.5	84.8	85.0	89.3	88.8	92.4	91.1
92.5°	43.5	40.7	38.1	35.2	33.8	32.1	31.3	29.4	28.3	26.6	25.3
95°	54.3	49.7	45.0	40.3	38.8	37.1	35.5	33.9	32.2	30.7	29.1
97.5°	61.4	55.8	50.3	44.8	43.4	42.0	40.6	39.2	37.8	36.4	35.1
100°	83.1	72.9	62.6	52.3	51.1	49.9	48.7	47.6	46.4	45.2	44.0
102.5°	170.6	148.7	126.9	105.0	100.9	96.7	92.6	88.4	84.2	80.1	76.0
105°	320.6	285.2	249.8	214.4	203.1	191.8	180.6	169.3	158.0	146.7	135.6
107.5°	486.0	450.1	414.2	378.2	357.6	336.8	315.9	295.1	274.4	253.5	232.6
110°	579.4	553.2	526.9	500.7	484.1	467.3	450.5	433.8	417.3	400.3	383.6



TEST NUMBER: P1444820
 CATALOG NUMBER: EHBR1-36-UNV-TA-L940-UPL18

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	595.8	577.2	558.5	539.6	532.2	524.5	517.1	509.4	502.0	494.1	486.7
115°	560.4	548.0	535.3	522.6	520.1	517.5	514.9	512.1	509.6	506.8	504.0
117.5°	503.3	496.2	489.3	482.2	482.8	483.3	483.9	484.4	484.8	485.2	485.6
120°	444.1	441.3	438.4	435.5	438.1	440.5	442.9	445.1	447.6	449.7	451.8
122.5°	396.1	395.0	394.2	393.1	396.1	399.1	402.0	404.8	407.6	410.1	412.8
125°	359.0	358.5	358.2	357.8	360.9	363.9	366.9	369.6	372.6	375.1	377.7
127.5°	334.8	334.9	335.2	335.2	337.6	339.7	341.9	343.9	345.9	347.6	349.5
130°	318.7	318.6	318.7	318.6	320.8	322.7	324.9	326.6	328.5	330.0	331.6
132.5°	309.1	308.9	309.0	308.7	310.5	312.0	313.6	314.7	316.2	317.1	318.2
135°	301.7	301.3	301.2	300.9	302.5	304.0	305.4	306.5	307.9	308.7	309.7
137.5°	295.7	295.3	295.1	294.9	296.4	297.7	298.9	300.0	301.0	302.0	302.8
140°	290.7	290.2	289.9	289.5	290.8	292.0	293.2	294.1	295.1	295.8	296.5
142.5°	286.0	285.1	284.8	283.9	284.9	285.7	286.6	287.3	288.1	288.5	289.0
145°	283.6	282.5	281.7	280.8	281.5	282.2	282.8	283.6	284.0	284.3	284.7
147.5°	281.4	280.3	279.4	278.5	279.1	279.6	280.1	280.3	280.9	281.1	281.4
150°	279.1	277.9	276.9	275.8	276.2	276.5	276.9	277.3	277.6	277.6	277.9
152.5°	276.2	275.1	274.1	272.9	273.2	273.4	273.6	273.7	274.0	274.1	274.2
155°	275.2	274.2	273.3	272.2	272.5	272.6	272.7	272.8	272.8	272.8	272.8
157.5°	276.1	275.2	274.6	273.7	273.7	273.7	273.6	273.3	273.4	273.2	273.0
160°	277.4	276.6	276.0	275.2	275.1	275.0	275.0	274.7	274.6	274.3	274.1
162.5°	279.0	278.3	277.4	276.6	276.5	276.5	276.3	276.0	276.0	275.7	275.4
165°	281.5	280.9	280.3	279.6	279.5	279.2	279.1	278.7	278.5	278.1	277.7
167.5°	284.1	283.5	282.9	282.2	282.2	282.1	282.0	281.8	281.7	281.5	281.3
170°	286.7	286.1	285.7	285.2	285.0	284.9	284.6	284.4	284.1	283.9	283.6
172.5°	288.6	288.2	287.7	287.0	287.0	286.9	286.7	286.6	286.3	286.0	285.9
175°	288.6	288.3	287.8	287.5	287.3	287.2	287.1	287.0	286.9	286.8	286.5
177.5°	290.0	289.8	289.4	289.2	289.0	289.0	288.9	288.8	288.8	288.7	288.6
180°	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1



TEST NUMBER: P1444820
CATALOG NUMBER: EHBR1-36-UNV-TA-L940-UPL18

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	28971.7	28971.7
2.5°	29083.8	29082.3
5°	29192.0	29190.2
7.5°	29274.2	29273.7
10°	29283.9	29288.9
12.5°	29225.4	29229.5
15°	29054.9	29062.8
17.5°	28728.6	28739.0
20°	28166.6	28177.5
22.5°	27256.6	27261.1
25°	25933.4	25914.7
27.5°	24129.5	24097.2
30°	21836.4	21805.2
32.5°	19102.4	19082.8
35°	16024.8	16012.5
37.5°	12784.6	12759.4
40°	9639.0	9565.8
42.5°	6880.1	6751.5
45°	4754.7	4602.4
47.5°	3319.3	3225.2
50°	2515.9	2485.5
52.5°	2050.1	2043.0
55°	1729.8	1726.6
57.5°	1489.0	1487.9
60°	1299.9	1299.6
62.5°	1159.0	1159.5
65°	1059.7	1059.8
67.5°	972.3	971.6
70°	871.2	870.4
72.5°	801.7	800.5
75°	747.9	747.2
77.5°	671.5	670.3
80°	578.9	577.4
82.5°	476.2	474.5
85°	355.1	355.3
87.5°	217.4	217.3
90°	94.7	92.8
92.5°	24.2	23.0
95°	27.5	25.9
97.5°	33.7	32.3
100°	42.9	41.6
102.5°	71.8	67.7
105°	124.3	113.0
107.5°	211.9	191.1
110°	366.8	350.0



TEST NUMBER: P1444820
CATALOG NUMBER: EHBR1-36-UNV-TA-L940-UPL18

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	478.9	471.2
115°	501.1	498.3
117.5°	485.9	485.9
120°	453.8	455.9
122.5°	415.1	417.6
125°	380.0	382.4
127.5°	351.0	352.4
130°	332.7	334.1
132.5°	319.0	319.6
135°	310.2	310.8
137.5°	303.2	303.7
140°	296.8	297.3
142.5°	289.3	289.6
145°	285.0	285.1
147.5°	281.1	281.2
150°	277.8	277.8
152.5°	274.0	274.0
155°	272.6	272.4
157.5°	272.5	272.3
160°	273.7	273.4
162.5°	275.0	274.7
165°	277.2	276.8
167.5°	280.9	280.7
170°	283.2	283.0
172.5°	285.6	285.4
175°	286.4	286.3
177.5°	288.6	288.4
180°	290.1	290.1

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-7

Test Date: 08/04/2025

Luminaire Tested: EHBR-60-L940-N

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

Test Information

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

Spectral Parameters

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

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



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

REPORT NUMBER: SP1-2506-472-7

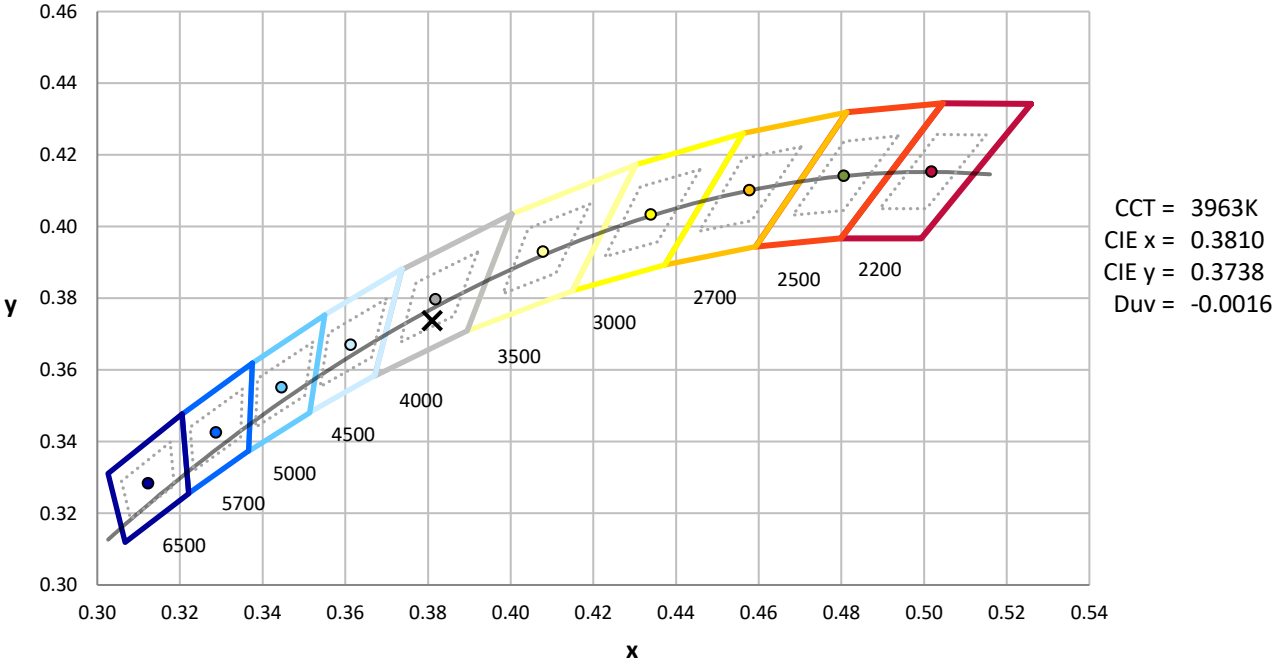
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208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

REPORT NUMBER: SP1-2506-472-7

CIE 1931 Chromaticity Diagram



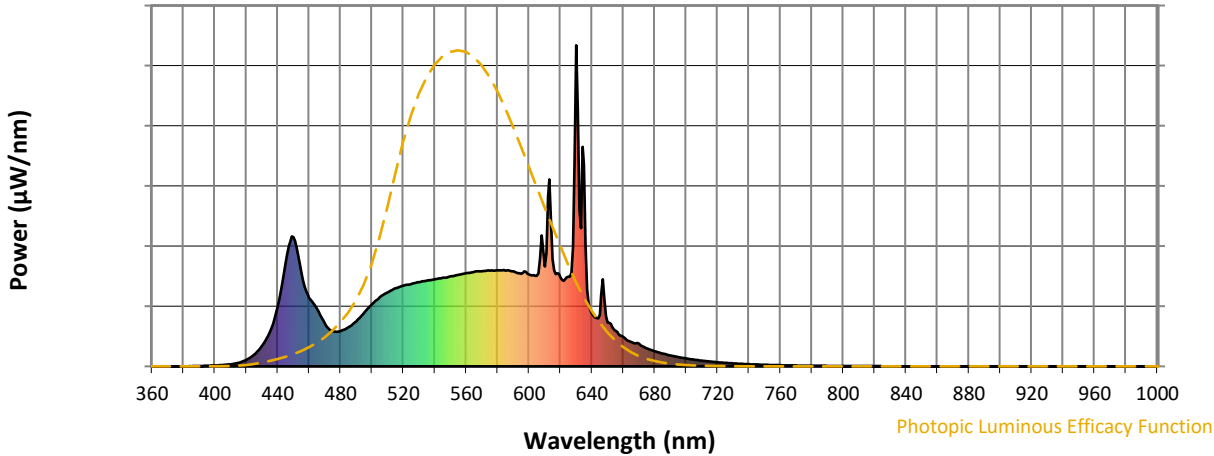
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-7

Photopic Flux vs. Wavelength



Photopic Lumens: NR

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

REPORT NUMBER: SP1-2506-472-7

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.76

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

REPORT NUMBER: SP1-2506-472-7

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.64

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

Summary

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



Color Vector Graphics



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

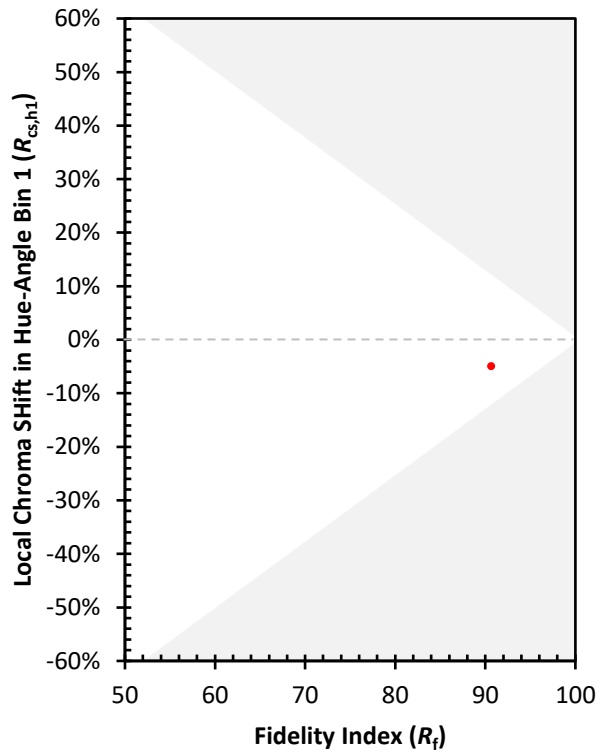
CES01 = 86	CES26 = 90	CES51 = 99	CES76 = 83
CES02 = 62	CES27 = 93	CES52 = 97	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 95	CES78 = 79
CES04 = 69	CES29 = 91	CES54 = 96	CES79 = 94
CES05 = 49	CES30 = 98	CES55 = 95	CES80 = 91
CES06 = 50	CES31 = 92	CES56 = 95	CES81 = 80
CES07 = 42	CES32 = 84	CES57 = 94	CES82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



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)