

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: P1444603

Luminaire Tested: EHBR1-36-UNV-TA-L850-UPL15

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444603
REPORT IS A COMBINATION OF REPORTS P1444313 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-36-UNV-TA-L850-UPL15
Description: Elevate Round Highbay at, 36000 lumens, 5000K 80CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

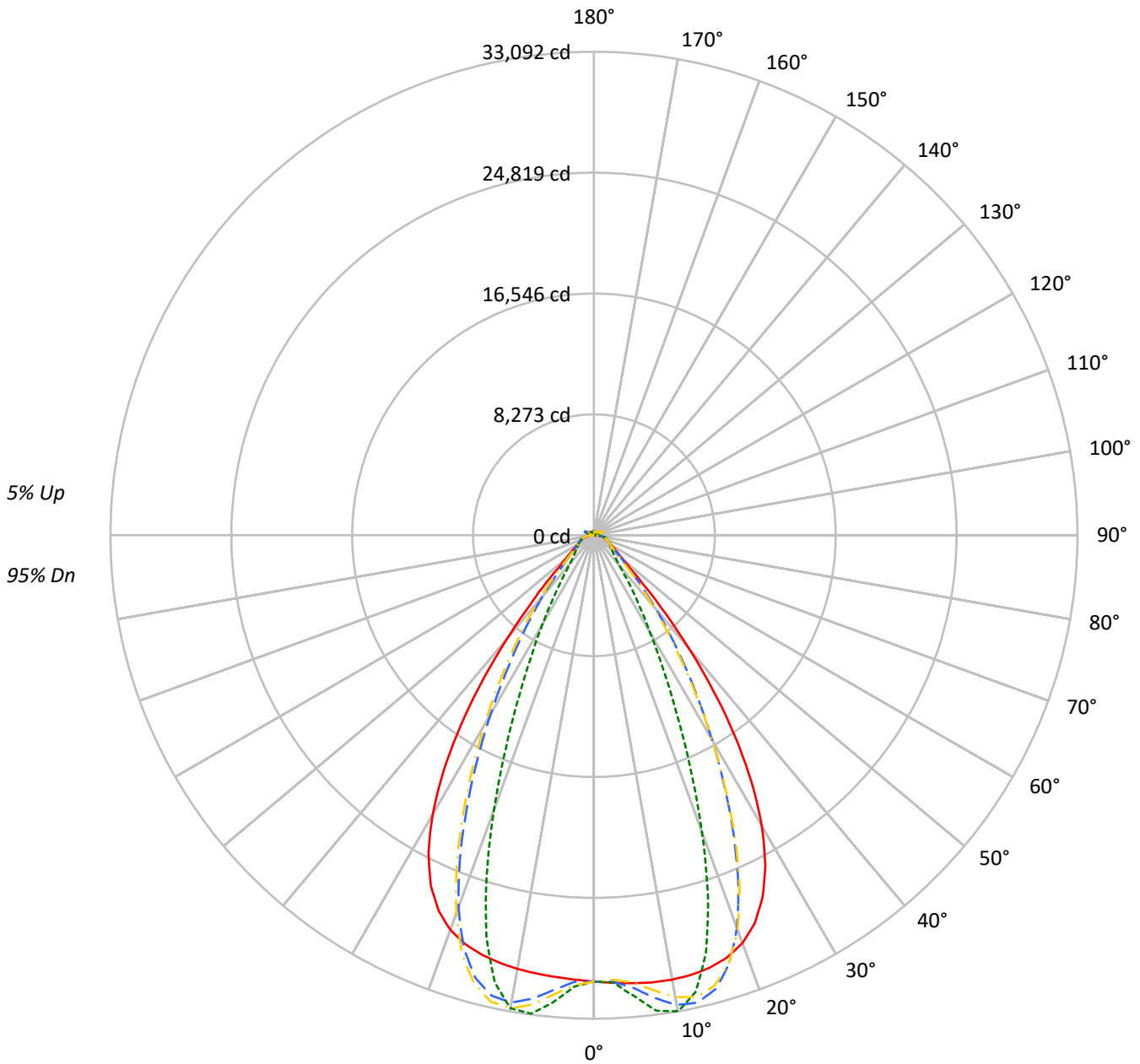
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36826.6 lumens
Efficiency: N/A
Efficacy: 183.5 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): 200.7
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: P1444603
CATALOG NUMBER: EHBR1-36-UNV-TA-L850-UPL15

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	143448	143448	143448	143448
5°	144142	148345	142125	150289
10°	145346	155751	141860	154720
15°	146058	141187	141612	135502
20°	144548	105180	139818	97317
25°	136821	66520	132299	60355
30°	119523	39974	114894	36532
35°	91986	25083	86694	22220
40°	58189	15735	53238	14785
45°	29992	12258	29495	12057
50°	17584	10903	17045	10733
55°	13471	10315	12973	10223
60°	11399	10537	10913	10400
65°	10705	11004	10296	10630
70°	10459	11523	9939	11089
75°	11183	12221	10580	11680
80°	11573	13532	10493	12352
85°	10899	13058	8807	11181

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 45899 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3010.4	8.2
10°-20°	8468.5	23.0
20°-30°	9645.0	26.2
30°-40°	6932.4	18.8
40°-50°	3197.2	8.7
50°-60°	1530.0	4.2
60°-70°	1116.4	3.0
70°-80°	848.1	2.3
80°-90°	388.3	1.1
90°-100°	51.0	0.1
100°-110°	263.8	0.7
110°-120°	486.8	1.3
120°-130°	305.4	0.8
130°-140°	206.3	0.6
140°-150°	160.9	0.4
150°-160°	117.2	0.3
160°-170°	73.2	0.2
170°-180°	25.6	0.1
0°-30°	21124.0	57.4
0°-40°	28056.4	76.2
0°-60°	32783.6	89.0
0°-90°	35136.4	95.4
90°-120°	801.6	2.2
90°-150°	1474.2	4.0
90°-180°	1690.0	4.6
0°-180°	36826.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	30546	30546	30546	30546	30546	
5°	30777	31674	30346	32089	30777	2941
15°	30642	29620	29709	28428	30642	8634
25°	27323	13284	26420	12053	27323	12386
35°	16883	4604	15912	4078	16883	10361
45°	4853	1983	4772	1951	4853	4127
55°	1820	1394	1753	1382	1820	1680
65°	1117	1149	1075	1110	1117	1116
75°	788	861	745	823	788	819
85°	375	449	303	384	375	352
90°	95	122	23	30	95	60
95°	23	25	23	26	23	22
105°	98	124	67	124	98	129
115°	428	512	448	512	428	396
125°	333	338	375	339	333	303
135°	276	235	296	238	276	215
145°	258	241	273	246	258	163
155°	250	246	265	250	250	116
165°	257	254	266	256	257	73
175°	268	269	272	270	268	25
180°	271	271	271	271	271	



TEST NUMBER: P1444603
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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2
2.5°	30662.9	30660.3	30660.0	30657.8	30657.2	30657.2	30656.2	30653.7	30652.1	30648.7	30644.6
5°	30776.7	30775.3	30776.1	30776.4	30774.2	30769.4	30761.9	30752.8	30741.2	30730.4	30720.7
7.5°	30864.7	30866.7	30869.5	30868.9	30862.2	30851.0	30835.8	30827.1	30832.2	30848.8	30887.0
10°	30880.7	30893.8	30898.9	30897.4	30884.0	30874.4	30878.1	30910.4	30974.9	31060.8	31178.3
12.5°	30818.1	30834.2	30833.6	30828.3	30815.4	30828.5	30875.4	30971.7	31109.8	31279.3	31478.1
15°	30642.3	30663.1	30657.2	30650.3	30641.7	30684.8	30778.5	30945.8	31159.1	31398.0	31642.7
17.5°	30300.9	30326.1	30313.9	30306.0	30298.8	30379.6	30540.5	30785.5	31054.1	31324.5	31556.3
20°	29708.9	29725.7	29696.6	29683.0	29694.5	29852.9	30089.8	30402.7	30685.9	30941.5	31100.0
22.5°	28742.6	28763.6	28709.0	28702.6	28770.1	29013.4	29313.2	29662.9	29928.9	30131.6	30192.6
25°	27323.1	27343.6	27278.7	27317.5	27432.3	27763.6	28120.7	28494.8	28721.8	28871.9	28830.5
27.5°	25406.8	25425.7	25364.1	25443.4	25624.8	26060.2	26480.5	26886.2	27088.6	27193.8	27060.5
30°	22990.2	23029.3	22956.5	23067.1	23344.1	23909.3	24390.9	24845.9	25047.7	25127.7	24920.3
32.5°	20119.9	20175.5	20095.3	20259.9	20646.4	21325.4	21872.3	22380.8	22604.0	22695.3	22461.1
35°	16882.7	16962.4	16870.3	17117.4	17594.1	18350.1	18955.8	19523.6	19787.8	19917.4	19681.3
37.5°	13452.9	13528.9	13479.1	13808.7	14332.1	15115.8	15734.0	16346.5	16644.9	16839.3	16653.2
40°	10085.6	10155.2	10192.9	10569.7	11062.1	11800.8	12394.6	13000.6	13334.4	13578.3	13463.6
42.5°	7118.5	7188.6	7316.7	7680.3	8090.9	8702.4	9211.0	9755.1	10074.1	10334.3	10290.1
45°	4852.6	4933.9	5094.5	5392.2	5689.2	6127.8	6501.3	6924.5	7185.0	7423.4	7426.2
47.5°	3400.5	3457.6	3601.0	3804.4	3998.0	4547.1	4569.7	4777.6	4952.7	5130.9	5154.0
50°	2620.6	2655.1	2731.1	2844.5	2954.2	3096.7	3227.2	3377.9	3485.7	3583.4	3606.7
52.5°	2154.0	2175.8	2214.5	2275.9	2339.6	2417.1	2486.9	2569.7	2628.4	2680.6	2691.6
55°	1820.5	1838.6	1896.2	1907.9	1980.7	1994.7	2025.8	2076.1	2110.2	2141.6	2149.3
57.5°	1568.8	1582.0	1594.2	1620.4	1642.8	1675.4	1701.6	1737.7	1759.3	1781.9	1783.8
60°	1370.3	1379.8	1388.5	1406.6	1421.8	1444.5	1462.6	1487.2	1502.6	1519.6	1521.5
62.5°	1222.5	1229.3	1235.1	1247.1	1258.0	1275.4	1289.7	1310.3	1324.6	1337.8	1340.7
65°	1117.4	1122.4	1126.2	1135.2	1144.7	1159.6	1172.6	1189.3	1199.9	1210.0	1212.1
67.5°	1024.4	1029.1	1033.1	1041.3	1047.9	1058.9	1067.6	1080.2	1088.2	1096.2	1096.4
70°	917.7	922.2	925.1	932.9	938.2	947.7	954.7	966.0	974.1	983.1	985.3
72.5°	844.0	846.5	850.6	857.5	864.9	875.1	884.4	896.2	906.2	915.4	919.3
75°	787.8	790.8	793.5	799.5	804.6	813.1	820.2	830.9	839.6	849.5	854.4
77.5°	706.7	710.3	712.5	718.5	723.0	731.2	736.4	746.0	753.0	762.1	766.6
80°	608.8	612.2	613.7	619.3	622.9	630.4	635.5	644.9	650.8	659.8	665.1
82.5°	500.3	503.4	504.3	509.7	511.6	517.9	521.6	531.0	538.3	550.1	558.2
85°	374.6	375.7	377.6	376.2	383.8	384.3	392.8	394.4	405.8	408.7	421.6
87.5°	229.1	232.4	234.1	239.3	241.5	246.7	248.4	253.9	257.0	263.3	266.3
90°	95.3	100.4	102.1	108.1	109.7	115.0	116.2	122.3	124.0	130.2	132.5
92.5°	20.5	21.7	22.8	24.3	25.4	27.3	28.9	30.3	31.5	33.3	35.8
95°	23.1	24.5	25.8	27.1	28.5	29.9	31.2	32.5	33.9	35.3	39.1
97.5°	28.6	29.8	30.9	32.1	33.3	34.5	35.7	36.8	38.0	39.1	43.8
100°	36.7	37.7	38.7	39.7	40.7	41.7	42.7	43.7	44.7	45.7	54.3
102.5°	59.1	62.7	66.2	69.6	73.2	76.6	80.3	83.6	87.1	90.7	108.9
105°	97.9	107.4	117.1	126.5	136.0	145.7	155.2	164.4	174.1	183.5	213.6
107.5°	164.6	182.2	199.9	217.6	235.3	252.8	270.5	288.1	305.6	323.1	353.6
110°	300.3	314.3	328.6	342.7	356.9	371.2	385.3	399.2	413.4	427.5	449.8



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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°	403.9	410.2	416.6	423.0	429.4	435.5	441.9	448.2	454.6	460.7	476.5
115°	427.7	429.8	432.1	434.0	436.2	438.2	440.4	442.3	444.4	446.3	457.0
117.5°	417.9	417.3	416.8	416.3	415.6	414.9	414.3	413.6	412.9	412.2	418.1
120°	393.2	390.9	388.9	386.5	384.4	382.0	379.8	377.5	375.1	372.7	375.0
122.5°	361.5	358.9	356.5	353.6	351.1	348.2	345.6	342.5	339.9	337.0	337.7
125°	332.7	330.0	327.6	324.7	321.9	319.0	316.3	313.3	310.5	307.4	307.5
127.5°	308.2	306.3	304.5	302.1	300.1	297.9	295.6	293.2	291.1	288.6	288.4
130°	293.8	292.0	290.2	288.1	286.1	284.1	281.9	279.6	277.5	275.1	274.8
132.5°	282.5	281.3	279.9	278.3	276.7	274.7	273.2	271.1	269.3	267.6	267.3
135°	276.2	274.9	273.7	272.2	270.7	268.8	267.1	265.2	263.4	261.5	261.4
137.5°	271.3	270.1	268.8	267.4	265.9	264.0	262.5	260.7	258.9	257.1	256.9
140°	266.9	265.7	264.5	263.1	261.8	260.2	258.5	256.9	255.2	253.3	253.3
142.5°	261.3	260.2	259.3	258.0	256.9	255.4	254.0	252.3	251.1	249.4	249.6
145°	258.3	257.5	256.6	255.6	254.4	252.9	251.8	250.3	249.1	247.7	247.8
147.5°	255.8	255.0	254.4	253.3	252.5	251.3	250.2	248.8	247.7	246.6	246.8
150°	253.6	252.9	252.2	251.4	250.4	249.4	248.3	247.2	246.2	244.9	245.2
152.5°	250.9	250.1	249.5	248.6	247.8	246.7	245.9	244.7	243.7	242.6	242.8
155°	250.3	249.6	248.8	248.0	247.1	246.3	245.3	244.3	243.4	242.3	242.4
157.5°	250.9	250.1	249.5	248.6	248.0	247.2	246.5	245.6	244.8	244.0	244.0
160°	252.6	252.0	251.4	250.6	249.8	248.9	248.2	247.3	246.7	245.9	245.9
162.5°	254.6	253.8	253.1	252.4	251.8	251.0	250.3	249.6	248.9	248.0	248.1
165°	257.2	256.7	256.1	255.6	255.0	254.4	253.8	253.1	252.6	252.0	252.0
167.5°	261.3	260.7	260.2	259.5	258.9	258.4	257.7	257.2	256.7	255.9	256.0
170°	263.9	263.3	263.1	262.7	262.3	261.8	261.5	261.0	260.5	260.1	260.1
172.5°	266.4	266.0	265.7	265.5	265.0	264.8	264.5	264.1	263.9	263.4	263.7
175°	267.6	267.2	267.1	266.9	266.7	266.4	266.3	266.1	266.1	265.7	265.8
177.5°	269.6	269.4	269.4	269.3	269.3	269.2	269.1	268.9	268.8	268.8	268.8
180°	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2



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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°	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2
2.5°	30641.7	30638.0	30632.8	30626.5	30620.9	30614.5	30599.2	30594.6	30599.7	30603.1	30610.2
5°	30714.5	30716.6	30717.4	30731.4	30743.4	30773.4	31008.4	31101.8	31174.0	31219.9	31289.5
7.5°	30934.0	31004.6	31074.5	31168.5	31249.5	31359.0	31770.1	31945.2	32069.6	32159.0	32269.1
10°	31306.0	31460.2	31604.8	31774.2	31919.7	32086.5	32469.2	32639.7	32747.4	32825.7	32898.9
12.5°	31680.7	31894.6	32087.8	32276.3	32434.0	32578.4	32713.1	32772.7	32777.8	32780.3	32741.5
15°	31875.9	32080.3	32250.7	32375.3	32467.8	32508.9	32277.1	32155.6	32001.9	31875.3	31667.2
17.5°	31752.7	31875.3	31948.9	31941.6	31903.4	31775.2	31118.9	30757.9	30399.5	30076.5	29652.9
20°	31205.1	31195.8	31131.7	30950.5	30732.2	30392.6	29267.3	28618.0	27990.3	27439.0	26770.1
22.5°	30186.4	30026.1	29802.6	29411.9	28977.7	28384.3	26771.7	25816.7	24942.8	24170.8	23306.0
25°	28710.2	28380.5	27968.3	27347.9	26673.2	25807.9	23820.3	22632.4	21583.2	20673.2	19675.4
27.5°	26821.2	26324.4	25720.4	24861.7	23947.7	22839.0	20635.4	19324.5	18198.2	17222.5	16160.5
30°	24584.7	23938.6	23158.6	22092.8	20990.3	19732.9	17497.9	16170.2	15030.1	14026.4	12963.6
32.5°	22057.2	21300.5	20386.4	19190.3	17998.0	16705.1	14546.8	13261.4	12172.4	11206.9	10245.0
35°	19269.6	18458.1	17491.0	16271.1	15085.8	13828.9	11848.4	10689.5	9727.8	8874.4	8097.6
37.5°	16279.3	15482.5	14563.4	13413.5	12314.5	11175.5	9466.6	8495.5	7688.5	6980.2	6380.4
40°	13170.3	12473.0	11677.7	10683.7	9745.7	8797.2	7394.4	6623.6	5986.7	5446.4	4996.9
42.5°	10099.3	9558.9	8949.0	8163.5	7445.8	6723.5	5643.9	5072.7	4601.0	4212.1	3894.3
45°	7327.4	6965.9	6556.9	6010.8	5514.1	5010.3	4241.9	3840.6	3533.4	3282.6	3070.5
47.5°	5122.2	4912.6	4899.7	4395.1	4030.9	3722.8	3227.8	2974.3	2786.0	2634.1	2499.9
50°	3597.2	3495.7	3369.7	3189.7	3020.6	2846.4	2544.9	2391.7	2281.3	2189.3	2104.4
52.5°	2689.2	2636.5	2569.3	2473.8	2382.2	2284.3	2093.4	1995.9	1961.2	1875.5	1808.3
55°	2147.9	2117.7	2079.5	2023.4	1967.7	1945.4	1781.8	1709.4	1663.5	1629.6	1593.6
57.5°	1784.1	1761.6	1739.0	1700.9	1668.7	1629.6	1542.8	1505.6	1478.4	1458.5	1433.4
60°	1521.8	1508.4	1495.7	1473.4	1455.9	1434.9	1379.8	1358.8	1344.5	1332.6	1316.6
62.5°	1343.2	1336.3	1329.7	1317.8	1309.0	1297.6	1259.9	1249.9	1242.7	1236.7	1227.0
65°	1214.3	1209.3	1205.6	1197.7	1193.4	1186.7	1154.3	1147.5	1143.1	1140.9	1135.2
67.5°	1097.1	1091.9	1089.5	1083.8	1082.1	1077.9	1051.3	1047.6	1046.1	1046.8	1044.8
70°	987.5	985.3	986.5	985.6	988.1	988.9	972.8	972.7	974.4	977.8	978.2
72.5°	921.9	921.9	923.0	923.6	926.0	927.2	913.8	913.1	913.9	916.5	916.6
75°	859.4	860.4	863.8	864.9	867.7	868.3	850.7	848.6	848.7	851.1	850.3
77.5°	772.9	776.6	783.1	786.4	791.9	792.9	773.1	770.7	770.8	773.2	771.2
80°	674.7	681.9	692.1	699.3	707.6	711.1	690.6	685.8	681.3	680.6	676.5
82.5°	570.4	579.2	591.5	598.0	606.9	608.9	574.8	568.4	564.6	564.9	561.2
85°	435.5	442.1	453.3	456.9	462.5	462.0	423.1	406.4	410.8	403.9	409.3
87.5°	273.2	277.0	284.1	285.0	287.5	287.0	247.8	240.1	237.8	238.0	235.2
90°	139.1	141.8	148.1	148.5	152.8	152.4	120.9	117.6	114.6	115.9	111.8
92.5°	38.6	40.9	43.5	46.0	48.7	51.2	50.1	51.6	49.4	46.7	44.6
95°	43.1	47.1	51.1	55.0	59.0	63.0	67.0	70.9	67.2	63.5	59.7
97.5°	48.5	53.1	57.8	62.5	67.2	71.8	76.5	81.2	77.3	73.0	69.1
100°	63.1	71.8	80.4	89.3	97.9	106.7	115.4	124.2	116.5	108.5	100.9
102.5°	127.4	146.1	164.5	183.0	201.5	220.1	238.8	257.4	239.7	221.8	204.1
105°	243.7	273.7	303.7	333.5	363.5	393.5	423.9	453.9	425.6	397.4	369.1
107.5°	384.1	414.5	444.8	475.1	505.7	536.0	567.0	597.4	569.8	542.0	514.4
110°	471.9	493.9	516.1	538.1	560.2	582.2	605.1	627.3	610.6	593.9	577.2



TEST NUMBER: P1444603
 CATALOG NUMBER: EHBR1-36-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	492.1	507.9	523.7	539.3	554.9	570.6	587.4	603.3	594.7	586.0	577.7
115°	467.4	478.1	488.5	498.9	509.3	519.8	531.5	542.3	539.3	536.2	533.3
117.5°	423.8	429.4	435.1	440.8	446.4	452.0	459.5	465.3	465.3	465.5	465.7
120°	377.2	379.5	381.6	383.8	385.8	387.9	392.0	394.5	396.3	398.1	399.9
122.5°	338.3	338.9	339.4	339.9	340.4	340.9	343.6	344.6	345.6	346.6	347.8
125°	307.5	307.6	307.6	307.6	307.4	307.5	310.0	310.4	310.1	309.5	309.2
127.5°	287.9	287.6	287.1	286.7	286.1	285.8	288.0	288.2	286.6	285.3	283.7
130°	274.5	274.3	274.0	273.7	273.4	273.1	275.7	276.0	273.9	271.5	269.2
132.5°	267.0	266.8	266.4	266.4	266.0	265.7	268.7	269.0	266.7	264.1	261.7
135°	261.1	261.0	260.8	260.6	260.3	260.4	263.5	264.1	261.9	259.3	257.0
137.5°	256.6	256.5	256.3	256.3	256.1	256.0	259.6	260.3	258.4	256.2	254.3
140°	253.2	253.2	253.1	253.2	253.1	253.4	257.3	258.1	256.7	254.9	253.2
142.5°	249.5	249.8	250.0	250.4	250.6	251.0	255.5	256.7	255.5	254.0	252.8
145°	248.0	248.5	248.8	249.2	249.6	250.2	255.2	256.8	255.9	254.9	253.9
147.5°	246.7	247.1	247.4	247.8	248.2	249.0	254.4	255.9	255.4	254.6	253.9
150°	245.4	245.8	246.1	246.6	247.2	247.8	254.0	255.9	255.3	254.8	254.1
152.5°	243.0	243.3	243.6	244.1	244.5	245.2	252.7	254.8	254.4	253.7	253.2
155°	242.5	242.7	242.8	243.2	243.4	244.0	252.3	254.4	254.1	253.7	253.3
157.5°	244.0	243.9	243.9	244.0	244.3	244.4	253.2	255.6	255.2	254.8	254.5
160°	245.8	245.8	245.6	245.7	245.6	245.8	254.8	257.2	256.9	256.5	256.1
162.5°	248.1	248.3	248.2	248.4	248.4	248.6	257.8	260.3	259.8	259.3	258.9
165°	251.8	251.8	251.7	251.7	251.7	251.8	260.3	262.5	262.3	261.9	261.5
167.5°	255.8	255.9	255.8	255.9	255.8	256.1	264.0	266.2	265.9	265.5	265.2
170°	260.0	260.1	260.1	260.1	260.3	260.6	267.3	268.9	268.8	268.3	267.9
172.5°	263.7	264.0	264.1	264.2	264.4	264.7	270.3	271.9	271.7	271.4	270.9
175°	266.0	266.0	266.2	266.5	266.6	266.7	271.2	272.4	272.3	272.1	271.8
177.5°	269.0	269.1	269.3	269.4	269.6	269.8	272.6	273.3	273.2	273.2	273.1
180°	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2



TEST NUMBER: P1444603
 CATALOG NUMBER: EHBR1-36-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2
2.5°	30611.7	30622.4	30624.1	30636.6	30635.6	30650.5	30648.2	30660.3	30653.3	30663.3	30654.8
5°	31330.7	31395.9	31430.0	31493.6	31513.8	31570.7	31586.7	31638.7	31640.9	31682.1	31672.7
7.5°	32347.2	32443.3	32500.4	32579.0	32618.9	32684.4	32713.3	32761.7	32777.4	32815.9	32818.8
10°	32954.2	33000.8	33033.4	33055.4	33075.5	33084.8	33095.8	33092.9	33095.8	33091.5	33100.9
12.5°	32715.5	32647.3	32602.2	32516.9	32467.4	32373.1	32326.8	32236.1	32203.2	32125.3	32114.1
15°	31506.3	31268.8	31101.0	30856.9	30703.6	30463.4	30322.9	30106.3	30007.4	29835.2	29790.1
17.5°	29302.3	28861.5	28520.4	28082.7	27778.9	27369.9	27112.7	26774.1	26588.6	26315.6	26221.0
20°	26212.6	25560.3	25048.5	24438.8	24002.6	23458.9	23110.9	22672.0	22417.2	22081.8	21945.9
22.5°	22585.0	21772.9	21133.7	20413.5	19887.1	19281.3	18864.4	18389.4	18112.2	17747.9	17586.6
25°	18846.2	17950.5	17240.0	16481.2	15924.9	15317.7	14900.7	14434.1	14147.3	13801.4	13641.1
27.5°	15270.2	14363.7	13677.0	12971.5	12461.2	11913.3	11537.0	11129.7	10875.1	10579.8	10429.0
30°	12114.5	11315.0	10730.6	10145.1	9720.7	9275.7	8963.0	8625.4	8402.0	8149.3	8005.6
32.5°	9543.6	8926.4	8468.7	8004.1	7656.8	7284.9	7014.6	6716.8	6515.3	6289.5	6159.4
35°	7558.4	7078.8	6713.8	6331.4	6033.0	5716.2	5478.2	5221.0	5040.2	4845.8	4733.4
37.5°	5972.0	5590.5	5290.2	4972.5	4727.4	4465.0	4376.6	4081.6	3894.1	3739.0	3631.6
40°	4686.8	4383.5	4135.0	3892.1	3692.2	3493.2	3333.4	3175.8	3054.8	2943.9	2867.1
42.5°	3660.0	3440.2	3258.8	3080.8	2935.0	2790.0	2674.4	2565.7	2484.2	2411.7	2362.2
45°	2909.5	2758.4	2632.3	2507.0	2404.1	2307.3	2229.4	2160.1	2107.5	2063.9	2033.0
47.5°	2390.3	2286.8	2197.8	2113.3	2043.4	1980.0	1927.8	1910.8	1854.2	1816.0	1801.6
50°	2031.4	1968.9	1901.3	1838.9	1792.3	1745.9	1712.0	1678.9	1657.7	1640.1	1634.8
52.5°	1763.6	1715.7	1678.2	1638.6	1607.9	1574.8	1551.5	1529.4	1517.8	1508.6	1507.5
55°	1564.4	1531.0	1506.1	1479.6	1461.1	1441.8	1429.7	1418.0	1412.9	1408.3	1408.7
57.5°	1413.7	1391.4	1375.3	1358.0	1348.1	1338.7	1335.7	1332.8	1334.4	1335.0	1337.7
60°	1304.0	1289.4	1279.2	1269.4	1265.2	1262.2	1264.5	1267.1	1272.4	1276.8	1280.6
62.5°	1219.8	1211.5	1206.5	1201.2	1200.8	1201.0	1205.6	1210.0	1216.7	1221.7	1225.4
65°	1133.3	1128.4	1126.9	1123.4	1125.2	1126.2	1131.6	1135.0	1141.7	1145.6	1150.4
67.5°	1045.7	1044.6	1045.6	1045.6	1048.7	1051.2	1056.4	1060.3	1066.0	1069.6	1073.4
70°	981.1	981.5	983.9	984.3	987.6	989.4	994.0	996.4	1001.5	1004.6	1009.3
72.5°	918.2	917.3	917.7	916.3	917.4	917.0	919.5	920.7	925.0	927.4	933.1
75°	851.3	848.5	847.8	844.8	844.9	842.7	843.8	843.6	846.4	847.6	851.6
77.5°	770.5	765.8	763.4	758.4	758.2	756.4	758.4	759.6	764.6	767.0	771.6
80°	673.8	666.4	662.9	657.0	658.0	657.7	662.7	666.5	672.6	673.7	679.5
82.5°	560.0	552.4	548.8	543.1	544.4	544.6	549.1	549.9	555.2	557.4	564.2
85°	401.0	403.9	395.9	396.4	394.8	397.9	401.0	404.8	409.2	416.6	422.3
87.5°	236.1	235.2	238.0	238.3	242.4	244.5	251.1	254.8	262.2	268.0	278.4
90°	111.7	107.8	109.7	108.1	111.9	110.5	113.8	111.9	116.0	116.2	121.7
92.5°	41.6	39.5	36.5	34.3	31.5	29.5	27.8	27.0	25.4	24.8	23.2
95°	56.0	52.4	48.6	44.9	41.3	37.5	36.1	34.8	33.5	32.1	30.7
97.5°	65.0	61.1	57.1	53.0	49.0	45.1	44.2	43.3	42.3	41.5	40.6
100°	93.1	85.4	77.7	69.9	62.3	54.6	53.9	53.1	52.5	51.8	51.0
102.5°	186.5	168.8	151.2	133.5	115.9	98.2	95.2	92.1	89.0	85.9	82.9
105°	340.8	312.5	284.3	256.0	227.9	199.6	191.2	182.5	174.2	165.7	157.4
107.5°	486.8	459.1	431.6	404.0	376.5	349.0	335.6	322.4	308.8	295.6	282.3
110°	560.3	543.7	527.2	510.3	493.8	477.3	464.4	451.8	438.9	426.2	413.5



TEST NUMBER: P1444603
 CATALOG NUMBER: EHBR1-36-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	569.0	560.7	552.0	543.7	535.4	526.9	520.7	514.4	508.2	501.9	495.6
115°	530.3	527.5	524.5	521.8	519.0	516.1	515.5	515.0	514.3	513.8	513.4
117.5°	465.7	465.9	465.9	466.1	466.5	466.7	469.8	472.8	476.0	479.4	482.6
120°	401.7	403.5	405.3	407.3	409.1	411.1	415.1	419.4	423.5	428.0	432.4
122.5°	348.8	349.9	350.8	352.0	353.1	354.3	358.3	362.5	366.5	370.8	375.0
125°	308.6	308.0	307.6	307.2	306.7	306.5	309.5	312.8	316.0	319.6	322.9
127.5°	282.1	280.4	279.0	277.4	275.8	274.4	276.0	277.8	279.4	281.2	283.1
130°	266.9	264.7	262.2	260.0	257.5	255.3	255.6	255.9	256.3	256.8	257.4
132.5°	258.9	256.5	253.7	251.1	248.4	245.9	245.2	244.6	244.0	243.7	243.3
135°	254.4	252.1	249.4	246.8	244.3	241.9	240.8	239.7	238.7	237.7	236.9
137.5°	252.2	250.2	248.0	246.1	243.7	241.7	240.2	239.1	237.8	236.9	235.7
140°	251.4	249.7	247.8	246.1	244.2	242.6	241.2	240.3	239.2	238.3	237.3
142.5°	251.2	249.9	248.4	247.1	245.7	244.4	243.1	242.1	241.1	240.2	239.3
145°	252.8	252.0	250.9	249.8	248.8	247.8	246.7	245.9	245.0	244.2	243.6
147.5°	253.1	252.4	251.7	250.9	250.0	249.2	248.4	248.0	247.0	246.7	246.0
150°	253.3	252.7	252.0	251.5	250.6	249.9	249.3	248.8	248.2	248.0	247.3
152.5°	252.5	252.1	251.4	250.9	250.1	249.4	248.9	248.6	248.1	247.7	247.0
155°	252.7	252.2	251.8	251.3	250.6	250.3	249.7	249.1	248.7	248.2	247.6
157.5°	254.0	253.6	253.0	252.6	252.0	251.6	251.1	250.7	250.1	249.7	249.2
160°	255.7	255.3	254.8	254.3	253.8	253.4	252.7	252.3	251.7	251.2	250.7
162.5°	258.3	257.9	257.5	257.0	256.3	255.8	255.3	254.8	254.3	253.9	253.3
165°	261.0	260.6	260.1	259.7	259.3	258.9	258.2	257.7	257.2	256.7	256.0
167.5°	264.8	264.4	264.0	263.6	263.1	262.7	262.2	261.7	261.1	260.6	260.0
170°	267.6	267.1	266.8	266.2	265.8	265.2	264.8	264.2	263.7	263.3	262.9
172.5°	270.6	270.5	270.1	269.7	269.2	268.8	268.6	268.2	267.7	267.3	267.0
175°	271.7	271.6	271.5	271.1	271.0	270.8	270.6	270.5	270.2	270.1	269.8
177.5°	273.1	273.0	273.0	272.8	272.6	272.6	272.4	272.3	272.1	271.9	271.8
180°	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2



TEST NUMBER: P1444603
 CATALOG NUMBER: EHBR1-36-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2
2.5°	30663.7	30655.8	30659.6	30645.2	30648.7	30631.3	30629.7	30610.2	30608.2	30589.7	30582.8
5°	31701.9	31684.8	31704.0	31674.1	31680.0	31640.9	31637.6	31587.1	31569.6	31506.5	31479.3
7.5°	32843.0	32836.5	32848.3	32823.1	32822.3	32787.5	32773.0	32727.8	32699.8	32633.4	32591.0
10°	33092.9	33098.8	33089.1	33091.5	33077.9	33074.2	33060.3	33051.4	33028.7	33011.5	32986.1
12.5°	32054.9	32061.1	32021.5	32046.6	32026.8	32073.2	32069.3	32123.9	32132.3	32201.3	32227.6
15°	29655.9	29648.4	29572.5	29620.3	29594.7	29696.3	29719.0	29855.9	29928.9	30104.6	30212.4
17.5°	26031.9	26012.3	25905.3	25963.6	25934.0	26083.8	26134.1	26352.9	26489.3	26772.2	26973.8
20°	21711.9	21674.4	21549.2	21617.5	21586.9	21757.2	21829.0	22093.3	22269.2	22644.0	22910.6
22.5°	17338.2	17279.0	17156.4	17220.1	17191.2	17367.7	17461.1	17726.3	17927.8	18312.5	18623.7
25°	13410.7	13357.9	13239.4	13284.0	13273.2	13422.4	13505.5	13756.4	13954.4	14320.9	14618.0
27.5°	10228.7	10173.8	10066.7	10098.2	10087.4	10214.5	10292.8	10502.4	10672.8	10981.3	11242.1
30°	7828.6	7762.4	7671.5	7689.0	7681.5	7784.5	7857.6	8034.2	8180.1	8440.9	8665.6
32.5°	6000.5	5934.0	5850.5	5858.7	5847.7	5928.5	5988.8	6142.3	6269.6	6491.2	6686.9
35°	4591.3	4669.1	4490.9	4603.7	4486.2	4658.8	4596.7	4692.5	4802.1	4988.8	5152.0
37.5°	3529.6	3475.4	3429.5	3424.6	3424.4	3464.4	3511.5	3604.0	3700.4	3839.5	3983.3
40°	2797.0	2759.0	2729.4	2727.2	2729.4	2757.7	2792.6	2856.5	2927.1	3027.1	3132.7
42.5°	2319.8	2294.6	2276.7	2275.4	2281.1	2301.3	2325.5	2363.5	2409.4	2474.2	2546.7
45°	2007.9	1993.8	1983.8	1983.3	1985.9	1996.4	2010.3	2034.0	2063.1	2103.5	2149.3
47.5°	1788.9	1785.5	1779.3	1779.5	1776.6	1781.0	1782.5	1795.8	1811.3	1841.8	1901.7
50°	1629.5	1629.5	1625.2	1625.0	1621.0	1620.7	1617.3	1622.5	1629.7	1648.7	1667.8
52.5°	1503.5	1503.1	1498.5	1497.5	1493.2	1493.0	1490.0	1492.1	1493.1	1502.6	1514.1
55°	1405.1	1402.1	1395.9	1394.0	1392.4	1394.8	1393.7	1393.9	1392.6	1396.5	1399.9
57.5°	1334.4	1330.5	1324.8	1323.0	1322.6	1325.6	1325.7	1324.6	1319.3	1315.7	1310.7
60°	1278.4	1274.6	1268.4	1266.7	1267.7	1271.8	1271.6	1268.1	1260.3	1253.3	1245.3
62.5°	1223.5	1222.0	1218.8	1218.3	1217.5	1218.2	1215.4	1211.7	1204.0	1196.6	1187.9
65°	1149.9	1150.6	1148.3	1148.6	1145.7	1145.3	1141.0	1137.5	1129.6	1122.9	1114.0
67.5°	1073.3	1073.9	1072.0	1072.0	1070.5	1070.7	1068.1	1064.8	1058.1	1052.7	1045.8
70°	1010.3	1011.8	1010.8	1011.1	1009.3	1008.6	1004.5	1001.3	994.5	989.8	983.7
72.5°	934.7	938.2	938.1	938.9	936.1	934.7	929.9	925.9	919.7	916.1	911.1
75°	853.2	857.6	858.9	860.9	856.9	855.0	849.7	846.4	841.3	839.2	835.9
77.5°	773.6	778.6	783.2	787.5	781.2	775.7	769.0	763.9	756.6	753.9	748.8
80°	684.4	692.9	703.2	711.9	700.7	689.4	678.4	670.2	660.6	656.7	650.3
82.5°	567.8	576.6	582.5	588.0	580.2	571.9	561.3	554.1	543.7	539.9	532.5
85°	431.3	442.3	445.9	448.8	443.8	439.4	429.4	415.9	409.3	399.1	393.7
87.5°	283.7	290.3	291.5	292.5	289.5	287.3	280.8	274.5	263.3	255.2	245.2
90°	120.8	124.5	121.3	122.4	119.1	120.1	114.2	112.8	104.3	101.5	93.9
92.5°	22.3	20.7	19.6	18.4	20.1	20.8	22.5	23.2	24.7	25.4	27.0
95°	29.4	28.1	26.7	25.3	26.4	27.5	28.6	29.7	30.7	31.8	32.9
97.5°	39.7	38.7	37.8	36.9	37.5	38.2	38.8	39.5	40.1	40.8	41.5
100°	50.3	49.6	48.8	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
102.5°	79.9	76.7	73.7	70.6	72.7	74.8	76.8	78.9	81.0	83.1	85.3
105°	148.9	140.6	132.1	123.8	131.9	140.0	148.1	156.3	164.3	172.8	180.9
107.5°	268.9	255.7	242.4	229.2	244.1	258.8	273.7	288.4	303.2	318.0	333.1
110°	401.0	388.3	375.7	363.1	378.8	394.5	410.2	425.9	441.6	457.3	473.4



TEST NUMBER: P1444603
 CATALOG NUMBER: EHBR1-36-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	489.4	483.3	477.1	471.0	481.1	491.2	501.4	511.8	521.8	532.0	542.1
115°	512.9	512.6	512.3	511.9	516.7	521.5	526.2	531.1	536.0	540.8	545.8
117.5°	485.7	489.1	492.5	496.0	497.5	499.0	500.7	502.1	504.0	505.6	507.3
120°	436.9	441.0	445.7	450.3	449.7	449.0	448.5	447.9	447.6	447.1	446.9
122.5°	379.5	383.9	388.5	393.0	391.6	390.3	389.1	387.8	386.7	385.6	384.7
125°	326.7	330.1	334.0	337.7	336.3	335.0	333.8	332.7	331.6	330.4	329.8
127.5°	285.4	287.4	289.6	291.9	291.3	290.7	290.4	289.8	289.6	289.4	289.3
130°	258.0	258.8	259.9	260.8	261.0	261.2	261.6	262.1	262.7	263.3	264.0
132.5°	243.3	243.2	243.2	243.3	244.0	244.8	245.8	246.8	248.0	249.2	250.8
135°	236.4	235.8	235.5	235.1	236.1	237.1	238.5	239.8	241.4	243.0	244.8
137.5°	235.0	234.2	233.7	233.0	234.1	235.2	236.4	237.7	239.4	241.1	242.9
140°	236.5	235.8	235.5	234.9	235.9	236.8	238.2	239.5	241.1	242.6	244.4
142.5°	238.7	237.8	237.3	236.9	237.7	238.7	240.0	241.1	242.6	243.9	245.6
145°	242.9	242.2	241.9	241.4	242.0	242.8	243.6	244.6	245.7	246.7	247.9
147.5°	245.5	245.1	244.8	244.5	245.1	245.5	246.2	246.7	247.5	248.3	249.3
150°	247.2	246.7	246.5	246.4	246.7	246.8	247.3	247.6	248.1	248.6	249.5
152.5°	246.9	246.5	246.5	246.3	246.4	246.6	246.9	247.2	247.6	248.0	248.8
155°	247.4	247.0	246.7	246.5	246.4	246.4	246.6	246.6	246.7	246.8	247.1
157.5°	248.9	248.5	248.2	247.8	247.7	247.4	247.4	247.3	247.3	247.0	247.1
160°	250.3	249.6	249.2	248.8	248.7	248.5	248.4	248.2	248.3	248.2	248.2
162.5°	252.9	252.5	252.2	251.8	251.5	251.1	250.9	250.4	250.2	249.9	249.8
165°	255.5	254.9	254.5	253.8	253.7	253.4	253.2	252.9	252.8	252.5	252.5
167.5°	259.6	259.0	258.5	258.0	257.7	257.2	257.0	256.5	256.3	255.9	255.8
170°	262.5	262.0	261.6	261.2	261.0	260.6	260.5	260.2	260.0	259.9	259.9
172.5°	266.7	266.3	265.9	265.6	265.4	265.1	265.0	264.9	264.7	264.7	264.6
175°	269.6	269.4	269.3	269.1	268.9	268.8	268.6	268.5	268.4	268.2	268.1
177.5°	271.5	271.2	271.1	271.0	270.9	270.9	270.9	270.9	270.9	270.8	270.7
180°	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2



TEST NUMBER: P1444603
 CATALOG NUMBER: EHBR1-36-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2
2.5°	30563.0	30555.0	30533.8	30523.4	30503.9	30494.0	30478.7	30468.8	30456.5	30447.3	30442.6
5°	31409.8	31370.7	31292.4	31244.2	31159.6	31103.9	31020.0	30958.4	30871.6	30807.7	30725.7
7.5°	32511.6	32451.5	32351.2	32275.2	32156.9	32066.5	31933.7	31827.5	31680.7	31558.9	31409.0
10°	32960.1	32925.1	32880.1	32831.2	32765.6	32701.3	32610.7	32518.2	32395.1	32272.6	32112.5
12.5°	32297.1	32330.1	32395.1	32425.4	32475.1	32492.0	32514.7	32504.1	32483.9	32434.0	32361.4
15°	30419.6	30557.1	30774.5	30924.9	31135.6	31283.5	31479.3	31605.2	31750.4	31837.1	31919.5
17.5°	27331.1	27597.1	27980.7	28286.7	28697.5	29031.4	29440.7	29762.3	30133.5	30418.2	30721.4
20°	23375.2	23747.7	24277.2	24726.8	25322.1	25826.9	26473.5	27015.2	27647.1	28173.9	28742.5
22.5°	19117.5	19555.7	20162.4	20704.8	21415.6	22050.5	22860.8	23576.9	24431.2	25196.5	26043.1
25°	15100.9	15530.4	16148.4	16710.0	17477.4	18176.8	19061.9	19883.6	20875.0	21799.4	22860.8
27.5°	11656.4	12037.9	12581.2	13086.7	13789.5	14476.1	15374.4	16250.6	17308.4	18301.9	19445.7
30°	9002.1	9311.6	9746.9	10153.5	10717.7	11279.2	12079.4	12889.8	13942.4	14971.8	16144.4
32.5°	6976.3	7240.2	7603.6	7933.7	8368.4	8791.8	9381.1	10028.7	10951.9	11938.1	13071.9
35°	5400.5	5626.2	5935.5	6219.9	6577.3	6913.5	7353.1	7815.4	8520.0	9349.5	10364.2
37.5°	4305.5	4397.6	4618.3	4851.3	5148.2	5424.4	5768.4	6110.2	6614.3	7268.8	8097.6
40°	3274.3	3420.5	3600.1	3783.6	4008.5	4230.0	4607.4	4789.0	5120.9	5590.7	6234.1
42.5°	2641.9	2744.7	2871.2	2998.8	3155.5	3309.8	3500.6	3694.9	3943.2	4261.3	4719.0
45°	2210.8	2277.8	2359.3	2444.4	2547.2	2652.5	2780.3	2913.8	3082.0	3277.6	3555.6
47.5°	1922.8	1959.8	2013.1	2071.1	2141.7	2214.5	2297.6	2382.7	2487.1	2603.2	2761.5
50°	1698.0	1728.9	1770.3	1809.1	1857.8	1932.4	1965.4	2012.4	2075.3	2143.4	2232.0
52.5°	1535.3	1555.9	1581.9	1604.2	1634.9	1662.9	1699.6	1732.0	1775.5	1816.4	1873.6
55°	1408.7	1416.2	1430.8	1445.2	1466.5	1485.6	1510.7	1532.0	1559.7	1584.2	1620.3
57.5°	1310.9	1311.5	1318.3	1325.8	1339.4	1351.5	1368.8	1382.8	1402.0	1417.6	1439.2
60°	1240.5	1236.8	1238.2	1240.7	1248.5	1256.2	1267.3	1276.4	1288.6	1297.4	1309.5
62.5°	1182.0	1176.1	1174.8	1174.1	1177.9	1180.8	1186.8	1191.2	1198.1	1201.9	1208.4
65°	1108.1	1101.1	1098.5	1095.2	1096.4	1095.5	1097.8	1097.9	1101.4	1102.2	1105.9
67.5°	1041.0	1035.3	1031.8	1027.5	1025.6	1022.5	1021.2	1018.2	1017.7	1015.3	1014.7
70°	979.9	974.2	971.3	967.3	965.3	961.3	958.8	953.8	950.8	946.2	943.6
72.5°	909.2	906.0	905.1	902.4	901.7	899.5	898.4	895.0	892.9	888.9	886.6
75°	835.2	832.7	832.4	829.7	829.4	826.8	826.1	822.4	820.4	816.5	814.8
77.5°	747.2	743.3	742.2	739.1	739.9	738.5	739.6	736.7	735.5	731.5	730.3
80°	648.0	643.0	640.9	636.8	637.9	636.0	637.9	637.7	639.2	636.0	635.4
82.5°	530.5	525.0	524.0	521.1	523.1	523.3	527.5	525.1	526.1	523.2	524.3
85°	386.0	382.0	376.3	375.5	371.9	375.6	370.7	374.1	368.7	372.5	367.5
87.5°	239.3	230.9	226.5	220.5	218.3	212.5	210.1	205.9	207.2	205.2	206.4
90°	92.7	86.0	85.3	80.1	80.3	75.9	77.2	74.5	76.3	73.3	75.5
92.5°	27.8	29.0	31.0	33.6	35.5	37.6	39.7	42.2	44.1	46.6	48.4
95°	34.0	35.1	37.9	40.9	43.7	46.6	49.6	52.5	55.3	58.2	61.1
97.5°	42.1	42.7	45.6	48.5	51.4	54.3	57.2	60.4	63.3	66.2	69.1
100°	48.1	48.2	56.5	64.6	72.9	81.1	89.4	97.5	106.1	114.2	122.5
102.5°	87.3	89.4	110.1	130.9	151.8	172.5	193.3	214.1	235.0	256.0	276.8
105°	189.0	197.2	228.9	260.7	292.3	324.2	355.9	387.9	419.6	451.5	483.2
107.5°	347.8	362.8	391.4	420.1	448.8	477.6	506.5	535.1	563.9	592.7	621.7
110°	489.1	504.9	524.1	543.4	562.8	582.1	601.4	620.7	640.2	659.5	679.1



TEST NUMBER: P1444603
 CATALOG NUMBER: EHBR1-36-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	552.3	562.6	573.8	585.3	596.6	608.0	619.4	630.8	642.4	653.9	665.4
115°	550.8	555.9	560.2	564.9	569.3	573.9	578.7	583.5	588.2	592.9	597.7
117.5°	508.9	511.0	511.8	512.7	513.6	514.8	515.9	517.1	518.3	519.4	520.5
120°	446.5	446.2	445.9	445.6	445.0	444.8	444.6	444.4	444.2	444.1	443.9
122.5°	383.7	382.8	382.4	382.2	381.9	381.8	381.7	381.8	381.6	381.7	381.6
125°	328.8	328.1	329.2	330.2	331.4	332.8	333.9	335.3	336.6	338.0	339.4
127.5°	289.1	289.3	291.4	293.7	295.9	298.3	300.7	303.2	305.4	308.0	310.3
130°	264.9	265.9	268.5	271.4	274.1	277.1	279.9	283.1	285.7	288.8	291.5
132.5°	252.2	253.8	256.3	259.2	261.9	264.8	267.6	270.5	273.3	276.3	278.9
135°	246.7	248.7	251.2	253.7	256.4	259.1	261.7	264.4	267.0	269.6	272.2
137.5°	244.6	246.7	248.8	251.0	253.1	255.5	257.7	259.9	262.0	264.3	266.4
140°	246.2	248.1	249.5	251.2	252.6	254.2	255.6	257.2	258.5	260.2	261.6
142.5°	247.1	249.0	249.9	251.1	252.1	253.5	254.6	255.8	256.7	257.7	258.7
145°	249.2	250.7	251.1	251.7	252.2	252.8	253.2	253.8	254.1	254.6	255.0
147.5°	250.3	251.5	251.5	251.9	252.2	252.3	252.6	252.9	253.0	253.3	253.5
150°	250.0	250.9	250.7	251.0	250.8	250.9	250.8	250.9	250.7	250.9	250.7
152.5°	249.2	249.8	249.4	249.6	249.3	249.1	248.9	248.9	248.6	248.5	248.5
155°	247.2	247.5	247.3	247.2	247.0	246.9	246.8	247.0	246.9	246.8	246.8
157.5°	247.1	247.1	247.0	246.9	246.7	246.7	246.7	246.7	246.7	247.0	247.1
160°	248.1	248.2	247.9	247.8	247.7	247.6	247.6	247.8	247.8	248.2	248.3
162.5°	249.5	249.4	249.1	249.0	248.9	249.0	249.1	249.3	249.3	249.6	249.8
165°	252.5	252.6	252.2	252.2	252.1	252.0	252.0	252.1	252.2	252.3	252.4
167.5°	255.6	255.5	255.5	255.6	255.6	255.8	255.9	256.3	256.5	256.9	257.0
170°	259.8	259.9	259.7	259.7	259.6	259.6	259.7	259.7	259.8	259.9	260.0
172.5°	264.6	264.6	264.4	264.2	264.0	263.9	263.8	263.8	263.6	263.5	263.3
175°	267.9	267.8	267.7	267.6	267.5	267.3	267.3	267.0	266.9	266.8	266.7
177.5°	270.6	270.4	270.2	270.2	270.1	270.0	270.0	269.9	269.9	269.9	269.7
180°	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2



TEST NUMBER: P1444603
 CATALOG NUMBER: EHBR1-36-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2
2.5°	30436.5	30436.1	30433.1	30434.5	30435.1	30437.3	30439.8	30442.6	30443.2	30445.3	30445.7
5°	30664.3	30588.9	30533.2	30472.0	30426.0	30384.5	30356.9	30334.9	30326.5	30328.5	30333.6
7.5°	31281.9	31126.4	30998.3	30852.4	30730.8	30602.1	30495.3	30393.9	30320.0	30264.9	30234.0
10°	31959.7	31770.4	31589.3	31378.2	31178.1	30964.5	30771.0	30576.2	30413.7	30272.6	30169.1
12.5°	32260.5	32126.7	31970.1	31770.9	31556.8	31310.3	31061.4	30794.5	30546.4	30316.1	30130.2
15°	31942.0	31942.2	31885.2	31789.7	31640.9	31443.9	31206.7	30928.6	30635.8	30337.1	30064.1
17.5°	30931.1	31121.8	31227.9	31295.0	31274.5	31201.9	31051.0	30837.4	30564.4	30246.1	29913.1
20°	29195.0	29645.0	29965.7	30254.1	30415.8	30523.2	30512.4	30425.5	30231.1	29960.6	29613.6
22.5°	26763.1	27518.2	28114.0	28669.7	29059.3	29376.3	29527.0	29590.9	29502.8	29314.3	28988.6
25°	23809.3	24835.9	25712.1	26562.4	27200.2	27748.4	28077.7	28309.9	28328.3	28229.8	27939.2
27.5°	20527.1	21738.9	22847.8	23977.8	24874.8	25662.8	26179.9	26558.4	26678.6	26662.7	26398.8
30°	17249.0	18521.3	19743.5	21061.3	22171.2	23177.9	23860.9	24372.7	24569.9	24607.7	24353.9
32.5°	14153.3	15407.8	16626.7	18004.4	19225.7	20379.5	21186.5	21794.4	22023.8	22077.8	21799.4
35°	11343.6	12501.1	13659.5	14994.6	16209.0	17403.8	18254.1	18890.5	19104.7	19140.9	18818.5
37.5°	8907.2	9893.3	10902.7	12100.7	13215.9	14338.0	15145.9	15744.1	15900.0	15890.4	15525.7
40°	6855.7	7622.4	8433.5	9419.7	10346.8	11295.4	11977.6	12472.1	12554.1	12493.4	12110.2
42.5°	5155.1	5708.8	6296.8	7033.0	7721.0	8430.9	8927.2	9294.3	9306.0	9210.0	8866.0
45°	3840.6	4380.8	4627.4	5072.5	5515.6	5987.7	6290.7	6517.5	6482.4	6398.0	6136.5
47.5°	2927.8	3135.4	3355.6	3631.6	3889.7	4425.4	4385.7	4749.9	4487.5	4666.4	4272.7
50°	2325.0	2441.0	2559.6	2706.1	2840.9	2981.0	3068.5	3133.9	3125.3	3097.2	3021.9
52.5°	1978.0	2013.9	2072.3	2155.6	2230.9	2306.6	2356.4	2397.0	2397.7	2386.4	2348.2
55°	1653.2	1698.7	1740.7	1795.1	1887.8	1902.1	1973.6	1959.1	1964.8	1944.9	1965.1
57.5°	1457.5	1484.0	1507.7	1540.1	1566.9	1598.2	1616.6	1634.4	1632.6	1628.8	1609.4
60°	1319.0	1333.5	1346.7	1365.7	1380.3	1398.0	1406.5	1415.6	1412.6	1406.0	1388.7
62.5°	1212.1	1221.3	1228.7	1241.0	1249.9	1261.0	1265.4	1269.2	1265.4	1259.1	1243.9
65°	1106.7	1112.6	1117.3	1126.6	1132.9	1142.3	1146.0	1149.7	1146.1	1141.2	1129.6
67.5°	1011.6	1012.2	1011.7	1015.5	1017.4	1023.0	1024.7	1027.4	1023.2	1019.1	1009.3
70°	939.5	938.1	936.2	937.7	938.1	940.7	941.2	940.7	935.9	928.6	917.8
72.5°	883.2	882.4	881.0	882.2	882.2	884.7	884.0	882.7	876.7	869.7	859.0
75°	810.7	810.1	807.4	807.5	805.3	806.1	803.1	801.4	794.8	788.9	779.3
77.5°	725.9	724.5	720.6	719.1	714.8	712.9	707.4	704.7	697.9	693.2	685.0
80°	631.2	629.7	624.7	621.9	615.1	610.8	602.6	598.0	590.2	585.5	577.6
82.5°	521.8	522.4	517.3	513.7	504.0	496.5	485.6	479.7	471.2	466.7	458.5
85°	371.1	365.8	368.6	368.4	362.3	355.8	346.9	340.8	333.5	329.2	323.5
87.5°	203.5	204.8	203.3	202.1	197.7	194.5	187.6	184.0	178.7	176.0	171.7
90°	69.4	68.7	63.0	62.3	56.7	54.2	47.6	46.0	40.0	38.9	34.9
92.5°	46.0	43.5	41.5	38.7	36.5	34.1	31.7	29.3	26.8	25.7	25.2
95°	57.6	54.1	50.7	47.1	43.6	40.1	36.7	33.2	29.7	29.0	28.2
97.5°	65.0	60.9	56.7	52.7	48.5	44.4	40.3	36.1	32.0	31.5	31.1
100°	113.1	103.5	94.0	84.5	74.9	65.4	56.0	46.4	36.9	36.3	35.9
102.5°	253.6	230.5	207.5	184.4	161.5	138.3	115.2	92.0	69.0	65.6	62.3
105°	448.2	413.1	378.5	343.5	308.4	273.5	238.7	203.5	168.6	157.4	146.1
107.5°	588.9	556.0	523.3	490.5	457.5	424.8	391.9	359.0	326.1	306.4	286.6
110°	653.1	627.1	601.3	575.2	549.4	523.4	497.2	471.3	445.3	428.2	411.4



TEST NUMBER: P1444603
 CATALOG NUMBER: EHBR1-36-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	646.5	627.6	608.8	589.8	570.9	551.8	533.0	513.9	494.8	484.7	474.4
115°	586.6	575.2	564.1	552.8	541.5	530.2	518.9	507.4	496.1	490.8	485.5
117.5°	515.2	509.6	504.2	498.6	493.0	487.3	481.8	476.0	470.4	468.8	467.1
120°	442.8	441.4	440.0	438.6	437.1	435.7	434.3	432.7	431.1	431.7	432.2
122.5°	382.9	384.0	385.2	386.2	387.4	388.4	389.7	390.5	391.5	393.4	395.3
125°	341.6	343.8	346.1	348.2	350.4	352.5	354.7	356.7	358.9	360.7	362.8
127.5°	313.0	315.2	317.9	320.2	322.7	325.0	327.6	329.7	332.2	334.0	335.9
130°	294.0	296.1	298.3	300.4	302.7	304.9	307.0	309.1	311.4	313.0	314.6
132.5°	281.0	283.1	285.2	287.0	289.3	291.1	293.2	295.3	297.4	298.7	300.2
135°	274.0	275.5	277.3	278.8	280.6	282.1	283.9	285.6	287.4	288.6	289.8
137.5°	267.9	269.2	270.8	272.1	273.7	274.9	276.7	278.1	279.9	280.6	281.8
140°	263.0	264.4	265.8	267.2	268.8	270.1	271.9	273.5	275.2	276.0	277.1
142.5°	260.0	261.0	262.3	263.3	264.7	265.8	267.3	268.8	270.2	271.2	272.1
145°	256.3	257.6	258.8	260.0	261.3	262.8	264.4	266.0	267.6	268.4	269.1
147.5°	254.4	255.5	256.7	257.8	259.0	260.1	261.7	263.1	264.5	265.2	266.1
150°	251.9	252.8	253.9	255.0	256.3	257.7	259.0	260.5	262.3	263.1	263.8
152.5°	249.5	250.7	251.8	253.0	254.4	255.8	257.3	258.8	260.4	261.1	262.0
155°	248.0	249.0	250.3	251.7	252.9	254.2	255.7	257.2	258.6	259.5	260.3
157.5°	248.2	249.1	250.3	251.5	252.6	253.9	255.3	256.6	257.9	258.6	259.3
160°	249.3	250.2	251.4	252.3	253.5	254.6	255.9	257.0	258.2	258.8	259.5
162.5°	250.9	251.8	252.9	253.8	255.1	256.1	257.4	258.3	259.6	260.2	260.9
165°	253.3	254.0	255.0	255.8	256.6	257.4	258.4	259.1	260.2	260.7	261.5
167.5°	257.8	258.3	258.9	259.5	260.4	261.1	261.8	262.5	263.3	263.8	264.4
170°	260.6	261.1	261.6	262.2	262.9	263.4	263.9	264.5	265.4	265.8	266.4
172.5°	263.7	263.9	264.5	264.8	265.1	265.5	266.0	266.4	266.9	267.4	267.8
175°	267.0	267.1	267.3	267.4	267.5	267.7	268.1	268.4	268.6	268.8	269.1
177.5°	269.8	269.9	270.0	270.1	270.4	270.5	270.7	270.8	271.0	271.3	271.6
180°	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2



TEST NUMBER: P1444603
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CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2
2.5°	30444.7	30444.3	30443.4	30442.0	30440.6	30441.5	30442.8	30446.3	30452.4	30461.2	30472.8
5°	30337.9	30344.1	30347.6	30348.1	30344.8	30343.0	30345.9	30354.3	30371.2	30399.5	30437.7
7.5°	30225.8	30233.5	30245.2	30254.1	30255.7	30253.7	30254.1	30267.2	30298.4	30353.5	30430.8
10°	30106.1	30083.4	30095.3	30117.3	30134.7	30138.0	30140.1	30155.6	30201.1	30284.4	30408.6
12.5°	29995.6	29923.6	29909.7	29929.5	29956.1	29964.5	29962.1	29968.8	30022.2	30132.4	30305.5
15°	29850.3	29714.8	29668.4	29673.6	29706.3	29718.0	29709.4	29696.3	29748.3	29882.9	30106.9
17.5°	29615.0	29396.5	29311.4	29307.7	29346.0	29356.1	29335.1	29294.3	29345.5	29513.4	29791.6
20°	29257.5	28934.9	28774.6	28749.1	28790.7	28778.5	28736.6	28675.0	28742.2	28946.5	29277.2
22.5°	28614.5	28205.8	27932.0	27843.7	27893.4	27860.2	27799.0	27720.3	27809.6	28041.7	28410.0
25°	27563.9	27091.7	26716.8	26506.5	26546.1	26486.6	26420.0	26324.7	26431.1	26697.5	27103.0
27.5°	26019.8	25474.3	25009.7	24661.5	24674.3	24596.4	24519.6	24396.3	24529.3	24844.6	25301.9
30°	23966.4	23335.3	22769.5	22296.2	22253.9	22178.4	22099.7	21937.8	22104.3	22481.7	23016.2
32.5°	21387.7	20687.0	20033.3	19435.0	19322.1	19248.3	19178.3	18992.0	19209.9	19649.9	20263.9
35°	18372.1	17625.6	16916.9	16233.5	16046.5	15972.8	15911.5	15733.1	16005.0	16483.8	17147.0
37.5°	15062.1	14299.5	13595.8	12895.1	12630.8	12530.8	12486.3	12369.4	12683.1	13156.7	13822.6
40°	11663.9	10954.9	10323.9	9705.1	9403.8	9250.9	9227.5	9206.3	9509.5	9920.5	10524.9
42.5°	8485.0	7913.0	7426.5	6953.5	6680.5	6471.6	6471.5	6534.9	6808.0	7115.8	7581.8
45°	5869.4	5485.4	5175.5	4859.4	4943.9	4527.5	4772.2	4646.6	4781.5	4980.1	5283.1
47.5°	4034.6	3825.1	3654.8	3478.1	3349.5	3226.5	3237.3	3316.6	3443.7	3561.4	3719.1
50°	2940.5	2833.8	2747.1	2655.4	2591.3	2537.1	2540.3	2574.6	2641.3	2703.4	2785.9
52.5°	2304.1	2245.3	2198.1	2147.5	2113.9	2086.9	2088.3	2105.0	2141.1	2176.5	2223.9
55°	1899.1	1892.1	1830.8	1785.3	1768.0	1749.8	1753.2	1759.7	1784.3	1804.9	1836.4
57.5°	1591.5	1564.0	1545.6	1521.6	1510.6	1498.0	1500.8	1503.3	1519.7	1533.6	1556.1
60°	1374.2	1354.8	1341.7	1325.4	1318.2	1310.2	1311.9	1313.4	1324.0	1333.1	1349.3
62.5°	1229.9	1212.4	1201.1	1188.6	1183.4	1178.0	1179.3	1179.7	1186.3	1193.0	1205.3
65°	1119.2	1105.4	1095.9	1085.1	1079.8	1074.1	1074.7	1074.7	1080.2	1085.1	1094.3
67.5°	1002.1	991.7	985.6	977.0	973.3	967.5	967.4	965.7	969.3	971.2	977.5
70°	908.1	897.6	889.8	881.6	877.0	872.0	872.1	872.2	876.4	880.7	888.8
72.5°	850.1	840.0	833.1	825.8	821.6	817.3	816.5	816.0	819.0	821.5	826.8
75°	773.2	765.2	761.1	754.3	751.0	746.0	745.3	743.0	744.5	744.9	748.9
77.5°	679.9	672.4	669.0	662.2	659.3	653.8	653.3	650.9	651.9	651.2	654.2
80°	573.7	566.7	564.9	559.2	557.9	552.8	552.0	548.9	549.9	547.4	548.6
82.5°	455.0	448.6	447.3	442.1	442.1	437.4	437.2	432.6	432.6	428.6	422.3
85°	320.5	315.8	313.9	309.6	308.3	304.6	302.7	298.3	296.7	293.9	293.0
87.5°	169.1	166.2	163.5	161.6	157.9	151.2	150.6	146.0	146.3	143.0	143.2
90°	34.3	30.5	30.1	26.6	25.9	23.6	23.1	22.9	23.4	23.3	23.8
92.5°	24.4	23.6	22.8	22.0	21.1	20.3	19.5	20.3	21.1	22.0	22.8
95°	27.5	26.8	26.0	25.3	24.7	23.9	23.2	23.9	24.7	25.4	26.1
97.5°	30.6	30.2	29.8	29.3	28.8	28.4	27.9	28.5	28.9	29.4	29.9
100°	35.3	34.8	34.2	33.7	33.1	32.6	32.0	32.9	33.4	34.0	34.5
102.5°	59.0	55.7	52.4	49.0	45.7	42.3	39.0	42.3	45.7	49.1	52.5
105°	134.9	123.7	112.4	101.1	89.9	78.6	67.3	78.7	90.0	101.2	112.6
107.5°	266.8	247.2	227.4	207.7	187.7	168.0	148.1	168.1	187.9	207.8	227.6
110°	394.2	377.3	360.2	343.2	326.0	309.0	291.8	309.1	326.2	343.4	360.5



TEST NUMBER: P1444603
 CATALOG NUMBER: EHBR1-36-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	464.0	453.8	443.5	433.3	422.8	412.6	402.0	412.8	423.2	433.9	444.1
115°	480.3	474.9	469.7	464.4	458.9	453.5	447.9	453.9	459.5	465.1	470.7
117.5°	465.3	463.7	461.9	460.2	458.3	456.7	454.7	456.9	458.9	461.2	463.0
120°	432.6	433.3	433.7	434.1	434.5	434.9	435.1	435.3	435.3	435.3	435.1
122.5°	396.9	398.8	400.5	402.2	403.8	405.5	406.9	405.9	404.7	403.7	402.2
125°	364.5	366.6	368.4	370.2	371.8	373.7	374.9	374.2	373.1	371.9	370.5
127.5°	337.7	339.5	341.2	343.1	344.6	346.2	347.4	346.8	345.9	344.9	343.6
130°	316.1	317.9	319.1	320.7	321.9	323.2	324.1	323.9	323.2	322.8	321.7
132.5°	301.5	303.0	304.2	305.5	306.5	307.6	308.1	308.2	307.9	307.6	307.0
135°	291.0	292.1	293.1	294.3	295.1	295.9	296.3	296.6	296.5	296.5	296.0
137.5°	282.6	283.7	284.5	285.2	285.7	286.2	286.5	287.0	287.2	287.7	287.5
140°	278.0	279.1	279.9	280.5	281.4	282.0	282.1	282.8	283.0	283.1	282.9
142.5°	273.2	274.1	274.9	275.7	276.3	276.9	277.2	277.7	277.9	278.0	278.0
145°	270.1	270.8	271.5	272.3	272.8	273.2	273.2	274.0	274.3	274.4	274.6
147.5°	266.8	267.7	268.3	268.8	269.2	269.7	269.8	270.4	270.7	271.0	271.2
150°	264.8	265.6	266.4	267.1	267.7	268.2	268.3	268.8	269.0	269.2	269.2
152.5°	262.7	263.4	264.2	264.8	265.3	265.7	265.9	266.4	266.8	267.2	267.3
155°	261.0	261.8	262.5	263.2	263.6	264.2	264.6	265.1	265.4	265.7	265.9
157.5°	260.0	260.8	261.3	262.0	262.5	263.2	263.5	264.1	264.5	264.9	265.2
160°	260.1	260.9	261.4	262.1	262.7	263.2	263.6	264.2	264.6	265.0	265.4
162.5°	261.4	262.1	262.5	263.2	263.6	264.2	264.7	265.2	265.7	266.2	266.5
165°	262.1	262.8	263.3	263.9	264.5	265.2	265.6	266.1	266.4	266.7	267.0
167.5°	264.9	265.6	266.0	266.6	267.1	267.8	268.3	268.7	268.8	269.1	269.3
170°	266.8	267.4	267.8	268.3	268.8	269.3	269.6	269.9	270.1	270.4	270.6
172.5°	268.2	268.8	269.2	269.8	270.2	270.7	271.1	271.4	271.4	271.6	271.5
175°	269.5	270.0	270.2	270.7	271.0	271.4	271.8	271.7	271.9	271.8	271.8
177.5°	272.1	272.6	272.9	273.2	273.6	273.8	274.2	273.9	273.8	273.7	273.4
180°	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2



TEST NUMBER: P1444603
 CATALOG NUMBER: EHBR1-36-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2
2.5°	30489.1	30504.4	30527.7	30548.9	30580.7	30605.8	30643.6	30672.1	30714.8	30742.4	30788.6
5°	30491.8	30551.5	30629.9	30706.5	30798.6	30882.0	30985.9	31074.3	31178.7	31263.8	31370.5
7.5°	30534.9	30649.9	30787.8	30926.7	31083.9	31230.9	31396.5	31546.4	31710.2	31848.8	32000.3
10°	30566.7	30744.1	30947.4	31151.8	31367.0	31567.0	31768.9	31943.3	32106.3	32240.4	32359.0
12.5°	30523.6	30768.0	31028.8	31280.6	31519.8	31726.8	31900.5	32034.7	32127.2	32190.1	32204.8
15°	30377.1	30671.2	30954.6	31205.4	31403.9	31557.1	31636.3	31673.5	31633.7	31567.5	31422.2
17.5°	30103.2	30413.4	30666.8	30864.7	30969.6	31011.1	30945.4	30831.3	30608.0	30360.2	30002.3
20°	29601.1	29890.1	30073.9	30181.9	30153.8	30050.0	29802.0	29500.7	29055.0	28580.0	27953.2
22.5°	28720.4	28973.2	29071.0	29079.1	28907.9	28647.9	28200.7	27683.8	26980.7	26249.7	25350.7
25°	27398.5	27619.9	27635.3	27548.4	27234.9	26813.7	26157.1	25425.9	24470.4	23496.4	22369.8
27.5°	25605.7	25818.0	25766.0	25603.9	25168.7	24605.0	23764.4	22819.7	21641.9	20491.4	19245.2
30°	23352.2	23579.1	23518.1	23310.1	22792.5	22126.2	21137.1	20039.6	18731.9	17503.0	16240.2
32.5°	20655.3	20942.2	20900.0	20702.3	20162.1	19449.2	18375.9	17211.9	15873.9	14663.0	13434.6
35°	17589.8	17938.2	17956.2	17827.0	17325.5	16620.8	15561.0	14434.3	13152.7	12010.2	10875.4
37.5°	14287.1	14691.1	14774.1	14739.2	14323.6	13701.5	12735.8	11725.2	10589.7	9588.5	8617.9
40°	10966.3	11375.1	11516.9	11559.1	11252.4	10770.6	9978.0	9162.2	8236.7	7425.3	6654.6
42.5°	7937.7	8300.2	8437.3	8523.5	8332.1	8010.8	7432.6	6840.2	6162.1	5577.0	5015.9
45°	5512.8	5769.3	5873.5	5960.4	5856.1	5674.9	5309.8	4939.3	4491.7	4109.3	3747.2
47.5°	3854.4	3995.8	4064.6	4106.7	4066.3	3971.7	3773.1	3558.5	3305.8	3082.3	2867.5
50°	2857.0	2932.2	2968.2	2992.5	2963.1	2910.6	2803.0	2686.2	2547.4	2420.8	2297.1
52.5°	2264.1	2307.2	2328.6	2341.7	2324.9	2292.6	2230.1	2160.8	2077.6	1999.3	1958.3
55°	1907.3	1905.0	1954.5	1930.7	1954.5	1901.2	1890.0	1813.8	1744.7	1696.1	1643.5
57.5°	1572.9	1595.3	1604.8	1615.5	1608.6	1598.9	1572.2	1544.9	1508.5	1478.0	1445.5
60°	1361.5	1380.0	1390.4	1400.9	1400.2	1396.6	1381.3	1365.0	1342.2	1324.0	1304.3
62.5°	1216.0	1232.0	1242.2	1252.3	1253.2	1251.7	1240.1	1228.7	1213.2	1201.8	1188.3
65°	1101.4	1112.6	1119.6	1127.7	1127.2	1125.1	1114.5	1105.2	1092.3	1084.4	1074.4
67.5°	981.5	990.0	995.4	1003.0	1004.5	1005.0	999.2	994.8	988.6	986.3	982.9
70°	896.2	906.5	915.3	924.9	930.1	932.6	930.1	927.9	924.2	922.7	920.0
72.5°	831.7	840.4	847.2	856.0	860.9	864.3	862.4	861.2	858.0	857.5	855.8
75°	751.5	757.6	761.5	768.0	770.6	773.9	772.5	773.2	772.2	774.7	774.5
77.5°	655.3	659.7	661.5	666.2	666.7	670.6	671.6	676.2	679.4	686.7	690.5
80°	546.8	549.6	549.6	554.5	556.7	563.3	566.5	574.0	577.6	584.1	584.7
82.5°	424.7	421.5	424.7	422.7	429.0	436.4	437.4	443.9	445.4	449.4	446.2
85°	290.4	290.2	287.5	288.0	286.0	287.0	285.8	287.1	285.9	286.0	283.1
87.5°	139.1	140.4	137.3	138.3	135.4	136.7	134.2	136.1	133.1	133.6	129.1
90°	24.0	24.5	24.6	25.1	25.9	27.3	28.8	30.2	32.0	33.3	34.9
92.5°	23.6	24.5	25.3	26.1	26.9	29.4	31.8	34.2	36.7	39.1	41.6
95°	26.9	27.6	28.3	29.4	30.1	33.6	37.1	40.6	44.1	47.6	51.2
97.5°	30.5	31.0	31.5	31.9	32.5	36.6	40.8	45.0	49.1	53.2	57.3
100°	35.2	35.7	36.2	36.8	37.4	47.0	56.6	66.1	75.6	85.2	94.7
102.5°	55.9	59.2	62.6	66.2	69.5	92.7	115.9	139.1	162.0	185.2	208.2
105°	123.9	135.2	146.7	158.0	169.2	204.3	239.5	274.5	309.3	344.4	379.5
107.5°	247.5	267.4	287.3	307.2	327.0	360.0	392.9	425.9	458.9	491.8	524.4
110°	378.0	394.8	412.3	429.4	446.5	472.5	498.7	524.8	551.0	576.9	602.9



TEST NUMBER: P1444603
 CATALOG NUMBER: EHBR1-36-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	454.8	465.0	475.5	485.7	496.2	515.4	534.7	553.8	572.9	591.8	610.9
115°	476.2	481.4	487.0	492.4	498.0	509.4	520.9	532.4	543.9	555.2	566.7
117.5°	465.1	467.1	469.0	470.6	472.6	478.3	484.2	489.9	495.8	501.6	507.2
120°	435.1	434.8	434.5	434.1	433.9	435.3	437.2	438.7	440.4	442.0	443.5
122.5°	401.0	399.4	397.9	396.3	394.8	393.7	393.0	391.9	391.1	390.2	389.3
125°	369.0	367.5	365.9	364.2	362.5	360.5	358.5	356.6	354.5	352.5	350.5
127.5°	342.4	340.9	339.6	337.9	336.3	334.0	331.8	329.5	327.4	324.9	322.7
130°	320.9	319.6	318.7	317.2	316.1	313.8	312.0	309.9	307.8	305.8	303.7
132.5°	306.4	305.4	304.6	303.4	302.4	300.5	298.8	296.7	294.8	292.8	291.0
135°	295.8	295.1	294.6	293.7	292.9	291.1	289.8	288.1	286.6	285.1	283.6
137.5°	287.4	286.9	286.5	286.0	285.5	284.1	282.9	281.4	280.2	278.8	277.6
140°	282.9	282.5	282.2	281.7	281.2	279.9	278.5	277.1	275.8	274.4	273.1
142.5°	277.8	277.6	277.2	276.7	276.3	275.0	274.3	273.1	272.0	270.8	269.8
145°	274.5	274.4	274.3	273.9	273.9	272.6	271.4	270.1	269.1	267.9	266.7
147.5°	271.3	271.1	271.2	270.9	271.0	269.9	269.1	268.1	267.3	266.2	265.4
150°	269.2	269.2	269.1	268.9	268.8	267.9	267.1	266.2	265.3	264.3	263.5
152.5°	267.3	267.4	267.5	267.5	267.6	266.7	265.8	264.9	264.1	263.1	262.3
155°	266.1	266.2	266.4	266.4	266.4	265.7	264.9	264.0	263.3	262.5	261.7
157.5°	265.4	265.6	265.8	266.0	266.1	265.5	264.8	264.2	263.5	262.9	262.2
160°	265.7	266.0	266.2	266.4	266.6	266.0	265.7	264.9	264.6	263.8	263.3
162.5°	266.9	267.2	267.4	267.6	267.8	267.2	266.9	266.3	265.8	265.0	264.5
165°	267.4	267.5	267.7	267.7	267.8	267.4	267.3	266.9	266.5	266.0	265.6
167.5°	269.7	269.7	269.9	269.9	270.1	269.8	269.8	269.5	269.2	268.9	268.7
170°	270.8	271.0	271.1	271.1	271.2	270.9	270.8	270.6	270.5	270.0	269.7
172.5°	271.6	271.5	271.7	271.7	271.6	271.4	271.3	271.1	271.0	270.9	270.7
175°	271.8	271.8	271.8	271.7	271.6	271.6	271.5	271.6	271.5	271.5	271.4
177.5°	273.4	273.2	272.9	272.8	272.6	272.5	272.6	272.5	272.6	272.5	272.4
180°	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2



TEST NUMBER: P1444603
 CATALOG NUMBER: EHBR1-36-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2
2.5°	30817.3	30627.0	30601.9	30615.3	30647.0	30658.8	30693.2	30702.5	30737.1	30745.5	30778.7
5°	31453.1	31201.7	31214.2	31274.7	31366.2	31420.8	31510.8	31557.9	31643.8	31682.9	31760.5
7.5°	32123.7	31926.2	31987.8	32089.8	32215.0	32301.6	32409.8	32480.2	32573.3	32631.2	32705.8
10°	32452.9	32398.8	32466.7	32546.9	32618.3	32674.2	32720.1	32756.7	32780.8	32803.3	32813.1
12.5°	32202.4	32286.2	32297.7	32289.9	32242.6	32206.5	32125.3	32070.2	31972.3	31912.6	31796.1
15°	31273.7	31457.9	31355.8	31201.4	30975.5	30787.1	30521.1	30322.9	30045.9	29858.0	29579.9
17.5°	29643.7	29876.2	29610.4	29253.1	28798.5	28409.8	27925.5	27541.2	27059.7	26709.5	26260.2
20°	27349.1	27566.3	27092.3	26500.0	25796.9	25205.2	24507.4	23950.6	23302.1	22819.7	22237.6
22.5°	24492.0	24646.8	23979.0	23180.5	22284.8	21545.5	20711.1	20043.7	19303.6	18752.2	18131.5
25°	21331.3	21373.1	20572.0	19652.1	18653.7	17822.9	16932.1	16230.4	15475.6	14916.7	14307.6
27.5°	18141.1	18079.8	17214.0	16238.6	15188.4	14324.9	13456.1	12798.5	12137.4	11634.0	11109.2
30°	15130.0	14981.7	14082.7	13080.1	12060.7	11286.7	10565.5	10037.3	9511.5	9112.1	8690.8
32.5°	12368.8	12159.5	11284.4	10345.2	9486.2	8888.8	8354.1	7954.4	7529.8	7192.4	6838.9
35°	9923.0	9700.1	8924.9	8128.6	7478.4	7038.1	6617.8	6289.9	5929.3	5644.8	5337.7
37.5°	7824.0	7641.3	6992.0	6365.4	5873.5	5532.4	5188.0	4920.0	4622.0	4496.9	4168.8
40°	6040.1	5912.4	5404.7	4942.7	4573.5	4413.2	4063.6	3813.3	3590.6	3407.0	3229.1
42.5°	4711.4	4666.2	4172.0	3811.8	3551.8	3349.9	3155.0	2996.8	2842.9	2716.3	2596.8
45°	3457.5	3421.7	3202.3	2994.4	2817.2	2676.0	2544.3	2435.6	2334.9	2251.5	2175.6
47.5°	2692.3	2680.8	2554.5	2425.5	2314.0	2223.3	2137.8	2065.6	1998.8	1943.1	1925.0
50°	2189.8	2188.3	2114.2	2034.6	1955.1	1902.7	1848.2	1805.4	1762.5	1729.1	1693.8
52.5°	1860.5	1852.6	1802.5	1753.4	1706.1	1671.7	1636.9	1609.6	1581.2	1560.5	1538.6
55°	1601.8	1610.2	1581.3	1552.0	1522.4	1501.0	1476.6	1458.6	1439.1	1426.1	1412.8
57.5°	1422.0	1433.2	1418.0	1401.4	1383.4	1369.4	1352.5	1340.0	1327.1	1318.7	1311.0
60°	1291.2	1303.5	1297.4	1288.9	1277.8	1269.5	1258.8	1251.8	1243.5	1238.8	1234.5
62.5°	1180.3	1195.6	1193.5	1189.4	1182.4	1177.7	1171.9	1168.7	1163.2	1161.2	1159.1
65°	1069.6	1086.8	1086.5	1084.5	1080.6	1079.2	1075.6	1074.9	1072.1	1073.2	1072.9
67.5°	982.6	997.5	1000.7	1003.1	1003.0	1003.9	1003.6	1005.1	1005.1	1007.2	1008.6
70°	919.7	930.1	932.6	935.1	935.8	937.8	937.8	939.1	938.8	940.5	940.7
72.5°	856.2	869.9	872.4	874.4	874.4	876.4	875.3	875.0	872.3	871.7	869.8
75°	777.2	794.8	798.6	801.0	801.4	803.1	800.8	799.3	794.8	792.9	789.8
77.5°	694.7	712.8	715.6	716.5	715.0	715.4	710.4	706.9	701.2	698.8	695.7
80°	587.2	614.0	616.2	614.5	610.3	609.6	604.8	601.5	594.7	592.3	589.7
82.5°	446.8	478.3	482.7	484.7	481.2	482.0	477.4	475.6	469.2	468.2	463.9
85°	282.1	313.5	318.7	318.0	314.6	313.8	311.1	312.0	311.5	313.2	314.0
87.5°	129.7	160.1	167.5	165.0	164.7	162.6	157.7	159.5	162.5	164.3	164.5
90°	36.4	47.1	48.4	47.9	44.6	43.7	40.6	40.3	37.6	37.1	34.7
92.5°	43.9	46.4	48.8	46.7	44.5	42.3	40.2	37.9	35.9	33.6	31.5
95°	54.6	57.9	61.4	58.5	55.5	52.7	49.8	46.9	44.0	41.2	38.2
97.5°	61.5	65.3	69.3	66.5	63.6	60.6	57.7	54.8	51.9	48.9	46.0
100°	104.2	113.4	122.8	114.5	106.3	98.0	89.9	81.5	73.4	65.1	56.9
102.5°	231.3	254.2	277.1	256.3	235.5	214.5	193.8	173.0	152.3	131.1	110.4
105°	414.3	448.9	483.8	451.7	419.9	388.2	356.4	324.6	292.8	260.9	229.2
107.5°	557.4	589.6	622.1	593.3	564.5	535.7	506.8	478.1	449.3	420.3	391.6
110°	629.1	654.0	679.8	660.2	640.9	621.3	601.9	582.5	563.1	543.9	524.6



TEST NUMBER: P1444603
 CATALOG NUMBER: EHBR1-36-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	629.8	647.5	666.2	654.5	643.1	631.5	620.1	608.5	597.2	585.6	574.4
115°	577.9	587.7	598.6	593.7	589.1	584.3	579.4	574.8	570.0	565.3	560.9
117.5°	512.8	516.7	521.8	520.4	519.3	518.0	516.9	515.6	514.7	513.5	512.6
120°	445.0	444.5	445.4	445.4	445.6	445.7	445.9	446.0	446.2	446.4	446.7
122.5°	388.2	385.0	383.2	383.2	383.1	383.1	383.2	383.2	383.3	383.5	383.7
125°	348.5	343.8	340.9	339.6	338.4	336.9	335.5	334.3	333.1	331.7	330.6
127.5°	320.3	315.4	312.4	309.9	307.6	305.1	302.7	300.2	297.9	295.6	293.4
130°	301.7	296.6	293.8	291.0	288.2	285.2	282.4	279.5	276.5	273.7	270.8
132.5°	289.1	284.1	281.4	278.7	276.0	273.1	270.4	267.5	264.7	261.8	259.1
135°	282.0	277.1	274.8	272.2	269.9	267.2	264.6	262.0	259.5	256.7	254.4
137.5°	276.1	271.3	269.2	267.1	265.1	262.9	260.9	258.7	256.6	254.2	252.2
140°	271.7	266.6	264.5	263.2	262.0	260.3	259.0	257.6	256.3	254.8	253.4
142.5°	268.7	263.7	261.8	260.8	259.9	258.9	258.2	257.2	256.2	254.9	254.0
145°	265.7	260.1	258.1	257.7	257.6	257.1	256.7	256.4	256.0	255.4	255.0
147.5°	264.3	258.6	256.7	256.7	256.6	256.2	256.3	256.0	256.1	255.7	255.7
150°	262.5	256.0	253.7	253.9	253.8	254.0	254.2	254.1	254.4	254.5	254.5
152.5°	261.3	253.6	251.0	251.2	251.5	251.5	251.8	252.0	252.3	252.6	252.8
155°	260.7	252.3	249.5	249.3	249.4	249.5	249.6	249.7	249.9	250.1	250.4
157.5°	261.3	252.4	249.7	249.4	249.4	249.4	249.3	249.3	249.4	249.5	249.9
160°	262.6	253.7	250.9	250.6	250.6	250.4	250.3	250.2	250.3	250.4	250.6
162.5°	263.7	255.2	252.4	252.1	251.9	251.7	251.7	251.4	251.5	251.5	251.7
165°	265.0	257.5	254.9	254.7	254.7	254.5	254.5	254.4	254.4	254.5	254.7
167.5°	268.3	261.4	259.4	259.0	258.7	258.3	258.3	257.9	257.9	257.7	257.7
170°	269.3	264.0	262.3	262.1	262.2	262.1	262.0	262.0	261.9	261.8	261.9
172.5°	270.4	266.5	265.2	265.2	265.4	265.5	265.7	265.7	265.9	266.1	266.3
175°	271.3	268.9	268.4	268.3	268.4	268.5	268.6	268.6	268.7	268.8	269.0
177.5°	272.4	271.7	271.4	271.4	271.4	271.4	271.4	271.4	271.4	271.5	271.5
180°	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2



TEST NUMBER: P1444603
 CATALOG NUMBER: EHBR1-36-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2
2.5°	30784.9	30820.9	30818.1	30851.6	30849.9	30881.5	30875.2	30902.5	30896.2	30919.6	30905.8
5°	31794.8	31863.0	31885.5	31947.1	31959.9	32015.0	32016.2	32060.0	32054.7	32089.0	32070.7
7.5°	32750.0	32813.7	32844.0	32891.8	32915.8	32955.3	32970.9	33003.5	33011.2	33030.5	33029.9
10°	32830.6	32830.4	32845.3	32838.7	32852.0	32844.2	32860.6	32854.7	32878.8	32872.5	32890.8
12.5°	31745.9	31638.2	31598.9	31502.2	31481.0	31398.0	31403.9	31350.7	31376.4	31343.7	31399.4
15°	29414.5	29164.8	29041.5	28824.3	28756.1	28584.5	28570.6	28456.6	28487.4	28427.7	28514.9
17.5°	25969.5	25576.4	25360.6	25043.5	24917.6	24674.8	24626.2	24479.5	24502.2	24428.3	24533.6
20°	21862.1	21387.0	21114.9	20748.2	20584.5	20295.2	20218.4	20054.3	20074.9	20001.4	20120.4
22.5°	17707.8	17210.5	16903.2	16519.0	16310.0	16038.0	15956.3	15791.3	15800.7	15731.7	15846.2
25°	13890.2	13413.4	13115.2	12766.1	12584.9	12335.4	12249.5	12101.5	12109.8	12052.9	12155.7
27.5°	10745.1	10353.9	10104.4	9811.7	9649.2	9444.1	9360.4	9236.0	9235.6	9193.8	9279.8
30°	8396.7	8070.2	7846.2	7591.3	7438.8	7253.6	7172.8	7061.4	7056.6	7026.9	7095.2
32.5°	6574.4	6284.0	6079.7	5855.5	5718.4	5559.6	5483.1	5393.6	5385.4	5358.6	5414.6
35°	5110.8	4866.2	4690.6	4501.7	4515.6	4281.3	4320.3	4138.2	4088.8	4078.1	4119.8
37.5°	3950.0	3760.7	3617.9	3476.5	3380.7	3281.7	3228.4	3180.4	3175.0	3170.4	3199.6
40°	3091.8	2959.2	2855.5	2758.4	2692.5	2632.1	2598.7	2572.4	2566.2	2562.7	2580.3
42.5°	2502.4	2412.9	2346.0	2286.8	2246.8	2213.9	2195.6	2181.0	2176.0	2176.2	2186.7
45°	2114.2	2059.9	2016.8	1980.0	1954.4	1965.6	1932.5	1949.9	1927.0	1950.7	1935.1
47.5°	1861.8	1815.6	1788.9	1762.9	1747.4	1734.9	1735.4	1735.6	1740.5	1741.3	1746.3
50°	1667.1	1640.4	1621.8	1605.1	1597.1	1590.6	1592.9	1594.5	1599.2	1599.6	1603.4
52.5°	1523.0	1505.4	1494.2	1483.9	1480.3	1476.6	1478.1	1477.4	1479.6	1478.5	1481.6
55°	1405.7	1397.4	1394.0	1390.1	1390.6	1389.6	1390.3	1386.6	1384.3	1381.5	1384.0
57.5°	1309.5	1308.3	1310.8	1312.3	1316.7	1318.3	1319.3	1315.0	1310.9	1307.2	1309.4
60°	1235.3	1237.2	1243.0	1247.8	1254.1	1257.0	1258.9	1256.3	1253.4	1250.3	1252.2
62.5°	1162.2	1165.0	1172.1	1177.4	1185.0	1189.0	1193.5	1193.7	1194.8	1193.7	1194.9
65°	1077.3	1080.8	1087.1	1091.5	1098.7	1102.2	1106.7	1107.5	1110.0	1109.5	1111.5
67.5°	1012.7	1016.0	1021.3	1025.4	1031.8	1035.4	1039.3	1039.5	1040.5	1040.2	1042.3
70°	944.0	945.5	950.3	953.8	960.1	963.8	968.3	969.7	972.6	973.0	975.3
72.5°	870.6	869.9	872.8	874.3	879.0	882.0	887.8	890.9	895.7	896.9	898.7
75°	790.6	789.9	793.4	794.8	798.8	801.7	808.2	812.3	819.7	822.8	822.0
77.5°	698.1	699.8	706.1	709.6	715.0	718.7	727.2	733.9	747.3	753.2	747.2
80°	594.7	596.3	602.9	606.3	613.3	617.9	627.3	635.1	647.2	649.8	646.4
82.5°	467.6	468.0	473.9	476.4	485.6	492.3	504.2	510.5	518.0	516.8	515.9
85°	318.7	323.1	330.4	337.8	349.1	360.0	371.2	380.5	374.0	384.3	372.7
87.5°	170.4	169.9	179.9	178.3	194.2	203.3	213.1	217.7	222.9	221.9	222.0
90°	34.7	32.7	33.2	31.0	32.4	30.0	32.1	30.0	32.6	29.8	34.4
92.5°	29.3	28.2	26.9	25.8	24.6	23.6	22.3	21.1	19.9	18.8	19.9
95°	35.4	34.3	33.2	32.0	30.9	29.9	28.8	27.7	26.6	25.5	26.9
97.5°	43.1	42.5	41.8	41.3	40.6	40.0	39.3	38.7	37.9	37.3	38.2
100°	48.6	48.6	48.6	48.6	48.3	48.3	48.3	48.3	48.3	48.3	49.0
102.5°	89.6	87.5	85.5	83.3	81.2	79.1	77.0	74.9	72.9	70.8	73.9
105°	197.4	189.3	181.1	173.0	164.7	156.7	148.5	140.4	132.3	124.2	132.5
107.5°	363.1	348.1	333.3	318.5	303.6	288.8	274.1	259.2	244.5	229.7	242.9
110°	505.2	489.4	473.6	457.8	442.0	426.3	410.6	394.9	379.2	363.4	376.1



TEST NUMBER: P1444603
 CATALOG NUMBER: EHBR1-36-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	563.1	552.6	542.4	532.2	522.0	512.0	501.7	491.6	481.5	471.4	477.5
115°	556.2	551.3	546.2	541.4	536.4	531.4	526.5	521.8	517.0	512.2	512.6
117.5°	511.6	509.6	507.9	506.1	504.4	502.7	501.2	499.6	498.0	496.5	493.1
120°	447.1	447.3	447.5	447.9	448.3	448.8	449.1	449.7	450.4	451.0	446.3
122.5°	383.9	384.7	385.5	386.5	387.6	388.7	389.9	391.1	392.5	393.9	389.3
125°	329.4	330.1	331.0	331.8	332.6	333.9	335.1	336.3	337.6	339.1	335.3
127.5°	291.0	291.0	290.9	291.0	291.1	291.5	291.9	292.4	293.1	293.8	291.3
130°	268.0	267.2	266.2	265.5	264.6	264.2	263.7	263.4	263.2	263.1	262.1
132.5°	256.4	254.9	253.3	252.0	250.6	249.5	248.3	247.6	246.7	246.2	245.9
135°	251.7	249.8	247.8	246.2	244.4	243.0	241.5	240.5	239.3	238.3	238.7
137.5°	250.0	248.2	246.3	244.6	242.8	241.4	240.0	238.7	237.6	236.7	237.3
140°	251.9	250.0	248.1	246.6	245.0	243.5	242.1	241.1	239.8	239.0	239.3
142.5°	252.8	251.5	249.7	248.2	246.7	245.4	244.2	243.2	241.9	241.3	241.7
145°	254.5	253.4	252.1	250.9	249.9	249.0	247.8	247.2	246.5	246.2	246.4
147.5°	255.4	254.6	253.5	252.7	251.8	251.2	250.5	250.0	249.5	249.1	249.2
150°	254.6	254.1	253.4	252.9	252.3	252.1	251.6	251.3	251.0	250.8	250.8
152.5°	253.0	252.6	252.2	251.8	251.3	251.1	250.7	250.5	250.4	250.2	250.2
155°	250.6	250.4	250.2	250.1	249.9	250.1	249.9	250.1	250.0	250.2	250.3
157.5°	250.0	250.1	250.0	250.2	250.3	250.5	250.5	250.9	250.9	251.2	251.5
160°	250.9	251.0	250.9	251.1	251.2	251.2	251.3	251.6	251.7	251.9	252.2
162.5°	251.8	252.1	252.2	252.4	252.7	252.9	253.3	253.8	254.0	254.4	254.8
165°	254.9	254.9	255.0	255.0	255.2	255.3	255.5	255.8	256.0	256.3	256.8
167.5°	257.6	257.7	257.7	257.9	258.1	258.4	258.6	259.0	259.4	259.9	260.3
170°	261.8	261.8	261.8	261.8	261.8	262.0	262.1	262.2	262.4	262.7	262.9
172.5°	266.4	266.4	266.2	266.4	266.2	266.4	266.4	266.5	266.5	266.6	266.7
175°	268.9	269.2	269.3	269.5	269.5	269.6	269.7	269.8	269.9	270.1	270.1
177.5°	271.5	271.6	271.6	271.6	271.6	271.7	271.7	271.7	271.7	271.6	271.7
180°	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2



TEST NUMBER: P1444603
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CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2
2.5°	30928.6	30913.1	30928.9	30912.9	30928.9	30909.7	30922.7	30901.9	30907.2	30885.6	30891.1
5°	32098.0	32073.4	32086.5	32054.4	32057.8	32015.0	32014.2	31964.4	31951.3	31894.6	31869.6
7.5°	33043.7	33035.6	33040.1	33019.5	33017.1	32988.0	32974.0	32932.9	32906.9	32854.7	32819.0
10°	32894.0	32918.1	32924.3	32948.9	32954.0	32978.3	32983.4	33007.8	33012.8	33030.9	33031.1
12.5°	31396.8	31478.7	31498.2	31599.3	31641.9	31757.7	31819.6	31947.1	32022.9	32150.0	32228.1
15°	28512.5	28654.1	28710.6	28908.1	29017.3	29247.8	29392.6	29657.2	29844.1	30125.1	30325.7
17.5°	24542.9	24740.7	24830.0	25097.8	25272.5	25612.7	25857.9	26261.5	26570.4	27018.9	27374.4
20°	20140.8	20360.8	20482.0	20787.5	20993.6	21391.1	21697.2	22193.1	22606.6	23175.0	23661.0
22.5°	15882.2	16091.5	16226.1	16536.9	16768.9	17183.5	17525.6	18049.1	18512.4	19152.9	19735.5
25°	12194.5	12386.3	12507.9	12789.1	13007.0	13388.0	13714.7	14218.1	14671.5	15313.8	15911.3
27.5°	9322.5	9483.2	9600.5	9840.2	10032.4	10355.5	10636.1	11052.1	11442.9	11998.5	12530.6
30°	7137.1	7279.6	7393.7	7602.4	7780.6	8060.8	8307.5	8657.0	8980.3	9422.5	9845.8
32.5°	5454.0	5576.6	5678.3	5861.0	6022.6	6274.9	6497.2	6803.6	7081.0	7456.1	7804.3
35°	4158.5	4399.7	4382.6	4634.6	4675.2	4856.2	5054.5	5322.4	5568.1	5887.0	6183.4
37.5°	3227.7	3295.4	3368.1	3479.5	3596.6	3761.3	3928.9	4256.1	4376.1	4617.2	4862.5
40°	2602.7	2648.6	2696.6	2771.9	2853.8	2969.9	3091.9	3248.0	3408.0	3603.4	3803.0
42.5°	2200.4	2226.3	2256.9	2301.2	2351.7	2425.2	2506.9	2612.8	2724.0	2861.6	3001.9
45°	1965.9	1953.7	1962.7	1986.5	2016.9	2061.6	2113.2	2178.7	2251.1	2340.3	2435.1
47.5°	1747.4	1752.4	1755.0	1768.0	1784.3	1814.3	1845.5	1890.0	1976.0	2002.1	2053.8
50°	1603.0	1605.4	1604.7	1611.1	1619.5	1638.9	1659.2	1689.3	1719.4	1759.3	1797.3
52.5°	1482.0	1485.4	1484.9	1489.2	1493.7	1506.0	1518.8	1540.1	1559.8	1585.1	1607.0
55°	1386.5	1391.1	1392.9	1396.5	1398.7	1405.1	1410.3	1420.4	1428.8	1443.2	1456.4
57.5°	1313.0	1319.3	1322.2	1323.5	1320.9	1320.6	1318.9	1321.1	1322.7	1330.4	1337.9
60°	1255.2	1260.3	1261.0	1260.3	1255.5	1252.1	1246.6	1244.9	1244.1	1247.8	1251.8
62.5°	1194.5	1196.4	1195.1	1193.7	1188.3	1184.9	1179.3	1177.3	1175.3	1177.9	1180.1
65°	1110.8	1112.3	1110.8	1109.9	1105.1	1102.4	1097.7	1096.1	1093.4	1094.1	1093.6
67.5°	1042.8	1044.4	1043.1	1041.8	1038.5	1036.9	1033.4	1031.1	1027.9	1026.6	1024.3
70°	974.9	976.2	974.2	973.0	969.2	967.7	964.4	963.7	961.2	960.6	957.9
72.5°	896.9	897.0	894.4	893.6	890.7	890.6	889.3	890.5	890.3	891.7	891.1
75°	817.2	816.0	812.6	812.0	809.9	810.9	809.4	811.4	811.6	814.5	814.9
77.5°	737.2	733.0	726.6	723.5	719.2	718.6	716.2	717.8	717.3	720.7	722.1
80°	636.2	631.1	622.9	618.9	613.8	613.0	610.8	613.0	611.9	615.9	618.6
82.5°	507.9	503.5	495.0	491.7	485.9	486.4	484.0	486.4	486.1	492.0	495.4
85°	375.7	372.8	363.9	356.2	347.4	342.3	337.3	336.4	335.0	337.3	339.4
87.5°	217.0	214.3	207.4	202.8	187.6	188.3	182.3	181.9	180.4	179.1	182.3
90°	33.1	37.0	36.0	39.5	38.9	43.0	42.8	46.7	45.8	49.4	49.2
92.5°	21.1	22.3	23.5	24.6	25.7	26.9	28.1	29.3	31.8	34.0	36.8
95°	28.3	29.6	30.9	32.3	33.7	35.0	36.3	37.7	41.5	45.1	48.8
97.5°	39.2	40.1	41.0	41.8	42.7	43.7	44.6	45.5	49.5	53.5	57.5
100°	49.8	50.5	51.2	52.0	52.7	53.3	54.1	54.8	62.8	70.4	78.1
102.5°	76.9	80.1	83.1	86.1	89.3	92.4	95.5	98.5	116.2	133.8	151.4
105°	141.0	149.3	157.9	166.2	174.6	183.0	191.5	199.9	228.2	256.3	284.8
107.5°	256.2	269.4	282.7	296.1	309.3	322.7	335.9	349.3	376.8	404.5	432.1
110°	388.7	401.5	414.0	426.8	439.4	452.1	464.8	477.8	494.4	510.9	527.6



TEST NUMBER: P1444603
 CATALOG NUMBER: EHBR1-36-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	483.8	489.9	496.1	502.3	508.6	515.0	521.3	527.6	536.0	544.4	552.8
115°	512.9	513.3	513.9	514.4	515.0	515.5	516.3	516.9	519.8	522.6	525.5
117.5°	489.8	486.4	483.2	480.0	476.8	473.9	470.7	467.8	467.5	467.2	467.2
120°	442.0	437.7	433.3	428.8	424.6	420.4	416.4	412.4	410.5	408.5	407.0
122.5°	384.9	380.5	376.2	372.0	367.9	363.8	359.9	356.0	354.9	353.8	352.7
125°	331.5	328.0	324.4	321.1	317.8	314.6	311.5	308.5	308.9	309.3	309.9
127.5°	289.3	287.2	285.3	283.4	281.7	280.0	278.5	276.8	278.6	280.0	281.7
130°	261.3	260.5	260.0	259.3	259.1	258.7	258.4	258.2	260.7	263.0	265.4
132.5°	246.2	246.2	246.5	246.8	247.3	247.9	248.7	249.2	252.0	254.4	257.2
135°	239.2	239.7	240.6	241.2	242.4	243.3	244.5	245.5	248.2	250.5	253.2
137.5°	238.1	238.7	239.7	240.7	241.9	243.0	244.4	245.6	247.7	249.8	251.9
140°	240.1	240.6	241.5	242.4	243.4	244.3	245.6	246.6	248.5	250.2	251.9
142.5°	242.5	242.9	243.8	244.6	245.6	246.5	247.5	248.4	249.8	251.1	252.7
145°	246.8	247.3	248.1	248.6	249.4	250.2	251.1	251.9	252.9	253.7	254.8
147.5°	249.7	250.0	250.6	251.2	251.9	252.4	252.9	253.5	254.4	255.1	255.9
150°	251.2	251.4	251.8	252.1	252.6	253.1	253.7	254.0	254.7	255.3	256.1
152.5°	250.7	250.8	251.2	251.5	252.0	252.3	252.6	253.1	253.8	254.2	254.9
155°	250.6	251.1	251.5	251.9	252.4	252.6	253.2	253.5	254.1	254.5	255.1
157.5°	251.9	252.2	252.6	252.9	253.4	253.8	254.3	254.6	255.2	255.5	256.0
160°	252.7	253.2	253.7	254.1	254.7	255.1	255.7	256.3	256.7	257.1	257.5
162.5°	255.3	255.7	256.2	256.5	257.0	257.4	257.7	258.1	258.8	259.2	259.8
165°	257.3	257.7	258.4	258.7	259.4	259.9	260.4	260.9	261.3	261.7	262.1
167.5°	260.8	261.1	261.8	262.2	262.7	263.2	263.6	264.1	264.5	264.8	265.2
170°	263.3	263.7	264.2	264.5	264.9	265.3	265.8	266.2	266.7	267.1	267.6
172.5°	267.1	267.4	267.7	267.8	268.2	268.6	268.8	269.1	269.5	269.8	270.2
175°	270.1	270.1	270.2	270.3	270.5	270.5	270.6	270.8	270.9	271.0	271.1
177.5°	271.8	271.9	272.0	272.1	272.2	272.3	272.4	272.5	272.5	272.5	272.5
180°	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2



TEST NUMBER: P1444603
 CATALOG NUMBER: EHBR1-36-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2
2.5°	30869.5	30870.9	30845.9	30844.6	30821.2	30818.3	30795.6	30788.6	30770.2	30763.5	30744.7
5°	31806.1	31775.7	31705.7	31664.4	31595.2	31549.3	31474.4	31425.4	31353.2	31298.5	31225.7
7.5°	32753.3	32706.1	32627.5	32563.7	32467.6	32390.9	32278.5	32186.3	32064.5	31959.1	31831.2
10°	33031.1	33023.8	33003.8	32974.6	32929.9	32879.6	32803.1	32723.2	32616.6	32500.5	32358.4
12.5°	32347.5	32421.4	32522.0	32581.7	32654.2	32686.0	32715.8	32708.3	32688.8	32630.1	32547.9
15°	30616.0	30823.4	31098.1	31310.9	31555.8	31733.7	31930.2	32052.7	32174.9	32231.3	32265.8
17.5°	27861.5	28254.3	28746.8	29154.8	29625.7	30003.9	30418.5	30730.6	31051.5	31281.4	31489.4
20°	24323.5	24892.5	25588.9	26204.2	26919.6	27541.4	28222.7	28782.0	29358.8	29809.9	30236.8
22.5°	20485.8	21161.6	22003.6	22783.7	23705.9	24534.9	25470.1	26284.0	27133.9	27843.9	28530.4
25°	16712.2	17453.2	18373.9	19244.2	20288.8	21253.0	22362.1	23376.5	24474.9	25428.6	26370.7
27.5°	13266.3	13993.8	14933.8	15860.2	16964.7	17992.1	19180.5	20298.2	21548.8	22702.2	23882.0
30°	10434.1	11051.1	11893.9	12791.2	13880.7	14926.1	16127.3	17276.9	18577.9	19837.3	21166.2
32.5°	8266.6	8736.7	9399.3	10158.0	11163.2	12158.4	13302.2	14411.9	15693.2	16965.3	18347.5
35°	6565.2	6931.8	7437.0	8029.1	8880.4	9738.2	10750.0	11759.2	12954.5	14161.6	15505.1
37.5°	5177.0	5474.5	5870.2	6315.0	6997.8	7701.8	8531.4	9368.0	10406.7	11476.6	12694.2
40°	4042.7	4283.5	4591.6	4923.3	5438.9	5981.3	6622.9	7271.7	8106.2	8980.7	9988.3
42.5°	3175.8	3353.6	3571.2	3813.5	4294.5	4582.5	5017.6	5486.8	6100.3	6735.2	7492.7
45°	2550.5	2671.7	2822.6	2985.1	3208.4	3452.7	3750.7	4063.1	4646.0	4931.8	5392.5
47.5°	2129.9	2211.3	2307.3	2409.7	2541.4	2683.5	2860.2	3040.8	3274.5	3516.7	3800.6
50°	1846.7	1929.4	1962.3	2015.4	2091.7	2172.8	2272.4	2372.0	2497.3	2624.4	2770.5
52.5°	1636.4	1663.4	1699.2	1732.9	1780.2	1872.6	1902.5	1954.5	2024.9	2093.5	2170.3
55°	1475.9	1493.5	1516.7	1537.2	1565.7	1593.0	1632.4	1667.0	1713.9	1755.3	1806.2
57.5°	1350.9	1362.1	1378.3	1391.7	1410.2	1425.5	1448.6	1467.4	1494.3	1517.8	1548.7
60°	1260.1	1267.6	1278.4	1287.2	1299.0	1307.0	1318.4	1327.3	1341.5	1353.4	1370.6
62.5°	1186.0	1189.8	1196.9	1202.0	1209.5	1213.6	1219.7	1223.5	1231.4	1237.4	1247.0
65°	1097.0	1097.9	1102.6	1104.8	1110.7	1112.8	1117.8	1119.6	1126.1	1130.5	1139.0
67.5°	1024.1	1022.1	1022.2	1020.5	1021.3	1019.5	1020.0	1018.2	1020.8	1022.2	1028.6
70°	957.5	954.7	953.8	950.7	949.8	946.6	945.7	942.9	942.6	941.7	944.0
72.5°	892.6	891.8	892.1	889.9	889.7	887.6	887.7	886.3	887.8	888.5	891.4
75°	818.0	818.2	819.7	817.8	818.3	816.6	817.3	815.6	816.5	816.1	819.0
77.5°	727.3	729.4	733.4	732.6	733.9	731.8	732.7	730.3	731.0	729.4	730.5
80°	625.1	629.6	634.9	634.7	637.0	635.5	637.6	635.3	636.2	633.5	632.8
82.5°	503.9	507.7	513.4	513.6	518.6	519.5	525.0	524.8	528.4	526.1	524.5
85°	344.5	347.1	352.0	354.8	359.9	363.1	368.4	370.5	366.7	373.7	368.2
87.5°	179.9	186.5	182.8	191.5	189.5	198.3	196.5	204.6	202.9	210.0	209.1
90°	54.1	54.4	59.6	60.2	66.5	67.8	71.7	70.0	73.8	72.3	76.0
92.5°	39.1	41.8	44.4	47.0	49.4	52.1	49.6	47.2	45.0	42.7	40.3
95°	52.6	56.2	59.9	63.7	67.3	71.0	67.1	63.2	59.2	55.2	51.3
97.5°	61.5	65.4	69.4	73.4	77.5	81.4	76.7	72.0	67.4	62.8	58.1
100°	85.8	93.6	101.3	108.9	116.7	124.4	115.7	107.0	98.3	89.6	80.7
102.5°	169.2	186.9	204.6	222.3	239.9	257.6	239.1	220.8	202.2	183.7	165.1
105°	313.0	341.2	369.4	397.7	425.9	454.5	424.4	394.4	364.4	334.6	304.4
107.5°	459.7	487.2	515.0	542.6	570.2	598.0	567.7	537.1	506.9	476.4	446.0
110°	544.4	561.0	577.7	594.6	611.2	628.1	605.9	583.9	561.8	539.6	517.5



TEST NUMBER: P1444603
 CATALOG NUMBER: EHBR1-36-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	561.4	569.9	578.4	587.1	595.5	604.1	588.4	572.8	557.0	541.3	525.5
115°	528.5	531.3	534.4	537.4	540.3	543.3	532.9	522.4	511.9	501.4	490.7
117.5°	467.1	467.1	466.8	467.0	466.7	466.7	461.1	455.3	449.6	443.8	438.0
120°	405.0	403.3	401.6	399.9	398.0	396.2	394.0	391.8	389.6	387.3	385.0
122.5°	351.7	350.8	349.7	348.7	347.5	346.4	345.9	345.4	344.6	344.0	343.3
125°	310.4	310.9	311.3	311.8	312.2	312.7	312.6	312.6	312.4	312.4	312.1
127.5°	283.2	284.9	286.2	287.9	289.2	290.8	291.0	291.4	291.6	291.9	292.2
130°	267.6	270.0	272.2	274.4	276.5	278.9	279.0	279.2	279.4	279.5	279.8
132.5°	259.7	262.2	264.7	267.4	269.6	272.2	272.3	272.5	272.4	272.7	272.7
135°	255.6	258.0	260.3	262.9	264.9	267.3	267.3	267.5	267.3	267.5	267.5
137.5°	253.7	256.0	257.8	259.8	261.6	263.5	263.4	263.6	263.3	263.6	263.5
140°	253.4	255.2	256.7	258.3	259.9	261.5	261.3	261.2	260.9	260.8	260.5
142.5°	254.0	255.3	256.5	257.8	259.0	260.3	259.6	259.2	258.8	258.4	257.9
145°	255.8	256.8	257.7	258.6	259.1	260.2	259.5	259.0	258.1	257.7	257.1
147.5°	256.6	257.3	257.7	258.4	258.7	259.5	258.8	258.1	257.6	256.8	256.1
150°	256.5	257.2	257.7	258.1	258.6	259.2	258.4	257.7	256.8	256.1	255.3
152.5°	255.5	255.9	256.4	256.8	257.3	257.7	256.8	256.3	255.4	254.5	253.6
155°	255.4	255.9	256.2	256.6	256.7	257.1	256.3	255.8	255.0	254.4	253.6
157.5°	256.3	256.8	257.1	257.4	257.6	257.8	257.5	257.0	256.4	255.9	255.3
160°	257.8	258.1	258.5	258.7	259.0	259.2	258.7	258.5	258.0	257.6	257.0
162.5°	260.2	260.6	261.0	261.3	261.7	262.1	261.6	261.1	260.6	260.1	259.4
165°	262.4	262.8	263.1	263.4	263.5	263.8	263.4	263.3	262.9	262.6	262.2
167.5°	265.5	265.9	266.2	266.5	266.6	266.8	266.5	266.4	265.9	265.6	265.1
170°	267.8	268.1	268.5	268.8	269.0	269.2	269.0	268.8	268.5	268.2	267.9
172.5°	270.5	270.7	270.8	271.2	271.3	271.6	271.3	271.0	270.7	270.3	270.0
175°	271.1	271.3	271.5	271.5	271.5	271.6	271.3	271.0	270.8	270.5	270.2
177.5°	272.5	272.5	272.5	272.4	272.4	272.4	272.2	272.0	271.8	271.6	271.4
180°	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2



TEST NUMBER: P1444603
 CATALOG NUMBER: EHBR1-36-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2	30546.2
2.5°	30738.0	30724.7	30716.0	30705.1	30698.5	30689.9	30683.7	30678.4	30674.1	30670.2	30667.2
5°	31170.3	31101.6	31048.3	30990.5	30943.0	30895.8	30859.3	30829.1	30808.3	30792.7	30783.3
7.5°	31720.6	31594.8	31483.0	31365.2	31259.7	31155.9	31066.4	30989.4	30931.6	30894.0	30871.3
10°	32212.1	32043.7	31877.2	31701.9	31535.8	31374.5	31225.7	31094.9	30991.3	30922.4	30882.2
12.5°	32432.3	32288.9	32118.8	31928.6	31724.8	31518.9	31318.0	31136.9	30984.9	30882.8	30824.0
15°	32238.3	32179.4	32064.0	31916.3	31723.1	31510.0	31274.2	31052.6	30848.7	30716.4	30639.8
17.5°	31607.2	31689.4	31680.5	31624.1	31485.1	31305.8	31065.4	30816.5	30561.4	30384.7	30288.2
20°	30542.1	30800.4	30931.6	30998.7	30944.2	30827.9	30610.4	30357.7	30060.4	29829.6	29688.9
22.5°	29045.4	29501.5	29785.7	29993.7	30037.9	29998.2	29806.2	29565.8	29234.5	28957.1	28749.1
25°	27118.5	27786.9	28236.1	28588.2	28725.0	28760.3	28596.9	28357.9	27988.5	27665.4	27379.7
27.5°	24849.1	25717.4	26317.2	26790.4	27004.0	27096.6	26946.2	26702.4	26265.3	25879.6	25506.5
30°	22294.1	23324.3	24046.5	24613.8	24874.2	24996.6	24836.7	24564.6	24056.1	23592.0	23121.9
32.5°	19559.4	20686.8	21473.7	22089.9	22347.9	22463.0	22253.9	21948.2	21360.5	20813.7	20265.6
35°	16696.4	17834.1	18627.7	19227.5	19443.8	19513.2	19245.8	18892.5	18241.3	17641.1	17043.4
37.5°	13774.9	14833.5	15554.8	16093.1	16226.8	16238.8	15916.6	15526.5	14842.0	14250.2	13655.2
40°	10878.7	11771.4	12353.8	12784.6	12831.1	12789.7	12439.4	12046.7	11406.3	10876.2	10353.9
42.5°	8150.7	8824.5	9240.0	9535.3	9517.7	9435.9	9114.7	8777.1	8248.9	7845.1	7434.0
45°	5813.4	6257.8	6500.7	6673.5	6618.0	6540.0	6290.0	6053.5	5694.5	5433.7	5157.5
47.5°	4038.6	4569.3	4476.9	4814.7	4523.7	4715.9	4315.6	4094.9	3904.5	3765.9	3609.8
50°	2891.3	3012.9	3071.7	3111.8	3090.4	3060.9	2989.0	2924.7	2837.7	2774.2	2700.4
52.5°	2232.9	2293.7	2327.0	2351.1	2346.4	2335.6	2304.2	2275.5	2234.9	2208.0	2175.6
55°	1891.4	1892.3	1953.6	1927.2	1966.0	1920.6	1938.4	1888.0	1896.2	1853.0	1823.9
57.5°	1571.6	1596.6	1607.8	1618.6	1615.6	1613.7	1601.5	1595.4	1581.8	1577.5	1567.8
60°	1382.5	1395.5	1398.3	1403.2	1399.1	1397.4	1388.0	1384.5	1375.4	1373.6	1367.2
62.5°	1252.8	1259.5	1259.5	1259.5	1254.0	1248.8	1238.3	1232.8	1224.9	1223.2	1219.5
65°	1144.6	1151.4	1152.6	1154.1	1150.1	1146.0	1136.7	1130.7	1122.6	1119.6	1115.3
67.5°	1032.8	1040.1	1042.7	1046.4	1044.2	1043.3	1037.0	1034.6	1029.3	1028.1	1024.1
70°	945.1	948.1	947.9	947.8	942.8	938.4	931.0	927.5	922.0	920.8	917.3
72.5°	892.9	895.1	893.7	891.7	885.3	878.7	870.1	863.8	856.5	852.0	846.9
75°	819.4	822.3	820.4	819.2	813.4	809.1	802.2	798.7	793.6	792.1	788.6
77.5°	729.1	730.5	727.6	727.3	722.9	720.1	714.9	714.0	710.3	710.4	706.9
80°	628.8	628.0	623.3	622.3	617.9	616.8	612.6	612.9	610.0	611.2	608.8
82.5°	517.4	514.5	508.3	506.5	501.4	501.0	498.2	500.5	498.7	501.4	499.8
85°	370.7	371.6	368.8	368.8	367.4	367.8	367.6	369.2	369.5	372.0	371.9
87.5°	206.7	209.6	209.1	211.8	211.7	214.7	215.8	220.3	220.9	225.0	225.0
90°	74.6	78.8	77.2	81.5	81.0	85.7	86.0	90.7	90.5	94.4	93.2
92.5°	37.9	35.7	33.4	30.9	29.8	28.3	27.6	25.9	25.0	23.6	22.4
95°	47.2	43.3	39.3	35.4	34.0	32.5	31.2	29.9	28.5	27.1	25.8
97.5°	53.3	48.7	44.0	39.3	38.1	36.9	35.7	34.5	33.3	32.1	30.9
100°	72.0	63.3	54.6	45.8	44.8	43.8	42.8	41.8	40.8	39.7	38.7
102.5°	146.7	128.0	109.4	90.9	87.3	83.8	80.4	76.7	73.2	69.6	66.2
105°	274.4	244.3	214.2	184.1	174.6	164.9	155.4	145.8	136.1	126.6	117.1
107.5°	415.4	384.9	354.3	323.8	306.2	288.5	270.8	253.0	235.5	217.7	200.0
110°	495.3	473.1	450.8	428.4	414.3	400.1	385.8	371.6	357.5	343.0	328.8



TEST NUMBER: P1444603
 CATALOG NUMBER: EHBR1-36-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	509.6	493.9	478.0	462.0	455.7	449.2	442.9	436.4	430.0	423.4	417.1
115°	480.1	469.5	458.8	448.0	446.1	443.8	441.7	439.4	437.2	434.9	432.6
117.5°	432.2	426.3	420.4	414.5	415.1	415.6	416.1	416.5	417.0	417.3	417.6
120°	382.6	380.3	378.0	375.6	377.8	379.9	382.1	384.0	386.1	387.9	389.8
122.5°	342.7	341.8	341.2	340.4	343.1	345.7	348.2	350.7	353.0	355.2	357.5
125°	312.1	311.8	311.7	311.4	314.2	316.8	319.4	321.8	324.3	326.5	328.8
127.5°	292.5	292.7	293.1	293.2	295.5	297.2	299.2	301.0	302.7	304.2	305.8
130°	279.9	279.9	280.1	280.2	282.2	284.0	285.9	287.5	289.1	290.4	291.7
132.5°	272.9	272.9	273.1	273.0	274.6	275.9	277.5	278.5	279.8	280.5	281.5
135°	267.6	267.4	267.5	267.4	268.8	270.3	271.6	272.6	273.9	274.5	275.3
137.5°	263.6	263.4	263.4	263.3	264.7	266.0	267.1	268.2	269.0	270.0	270.6
140°	260.5	260.1	260.1	259.8	261.1	262.2	263.3	264.1	265.2	265.7	266.4
142.5°	257.6	256.9	256.8	256.1	257.1	257.8	258.6	259.4	260.0	260.5	260.9
145°	256.5	255.6	255.1	254.4	255.1	255.8	256.4	257.1	257.5	257.7	258.0
147.5°	255.5	254.7	253.9	253.2	253.9	254.4	254.8	255.1	255.6	255.8	256.0
150°	254.5	253.5	252.6	251.8	252.2	252.5	252.8	253.2	253.5	253.5	253.7
152.5°	252.8	252.0	251.1	250.1	250.4	250.6	250.8	250.9	251.0	251.1	251.2
155°	252.9	252.1	251.3	250.4	250.7	250.8	250.8	250.9	250.8	250.8	250.7
157.5°	254.6	253.8	253.3	252.5	252.5	252.5	252.4	252.2	252.1	251.8	251.6
160°	256.6	255.9	255.4	254.7	254.6	254.5	254.4	254.1	253.9	253.6	253.3
162.5°	258.8	258.2	257.5	256.8	256.7	256.7	256.5	256.2	255.9	255.6	255.3
165°	261.8	261.2	260.8	260.1	260.0	259.7	259.6	259.1	258.9	258.5	258.1
167.5°	264.7	264.2	263.7	263.1	263.1	263.0	262.9	262.7	262.4	262.1	261.9
170°	267.5	267.0	266.7	266.2	266.0	265.9	265.6	265.4	265.0	264.8	264.5
172.5°	269.5	269.1	268.8	268.2	268.2	268.0	267.8	267.7	267.4	267.1	267.0
175°	269.8	269.6	269.1	268.8	268.7	268.6	268.5	268.4	268.2	268.1	267.8
177.5°	271.2	271.0	270.6	270.4	270.2	270.2	270.1	270.0	270.0	269.9	269.8
180°	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2



TEST NUMBER: P1444603
 CATALOG NUMBER: EHBR1-36-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	30546.2	30546.2
2.5°	30664.5	30662.9
5°	30778.5	30776.7
7.5°	30865.2	30864.7
10°	30875.4	30880.7
12.5°	30813.8	30818.1
15°	30633.9	30642.3
17.5°	30289.9	30300.9
20°	29697.4	29708.9
22.5°	28737.9	28742.6
25°	27342.8	27323.1
27.5°	25440.9	25406.8
30°	23023.1	22990.2
32.5°	20140.5	20119.9
35°	16895.7	16882.7
37.5°	13479.4	13452.9
40°	10162.8	10085.6
42.5°	7254.0	7118.5
45°	5013.2	4852.6
47.5°	3499.7	3400.5
50°	2652.6	2620.6
52.5°	2161.5	2154.0
55°	1823.8	1820.5
57.5°	1570.0	1568.8
60°	1370.6	1370.3
62.5°	1222.0	1222.5
65°	1117.2	1117.4
67.5°	1025.1	1024.4
70°	918.5	917.7
72.5°	845.3	844.0
75°	788.6	787.8
77.5°	708.0	706.7
80°	610.4	608.8
82.5°	502.0	500.3
85°	374.4	374.6
87.5°	229.2	229.1
90°	97.0	95.3
92.5°	21.5	20.5
95°	24.5	23.1
97.5°	29.8	28.6
100°	37.7	36.7
102.5°	62.7	59.1
105°	107.5	97.9
107.5°	182.3	164.6
110°	314.5	300.3



TEST NUMBER: P1444603
CATALOG NUMBER: EHBR1-36-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	410.4	403.9
115°	430.0	427.7
117.5°	417.8	417.9
120°	391.4	393.2
122.5°	359.4	361.5
125°	330.6	332.7
127.5°	307.0	308.2
130°	292.6	293.8
132.5°	282.1	282.5
135°	275.8	276.2
137.5°	270.9	271.3
140°	266.5	266.9
142.5°	261.1	261.3
145°	258.2	258.3
147.5°	255.7	255.8
150°	253.6	253.6
152.5°	250.9	250.9
155°	250.5	250.3
157.5°	251.1	250.9
160°	252.9	252.6
162.5°	254.9	254.6
165°	257.6	257.2
167.5°	261.5	261.3
170°	264.1	263.9
172.5°	266.7	266.4
175°	267.7	267.6
177.5°	269.8	269.6
180°	271.2	271.2

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-4

Test Date: 07/31/2025

Luminaire Tested: EHBR-60-L850-N

Data in this report applies to families of products including EHBR-60-L850-N

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-4
 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-L850-N**
 Description: Elevate Round Highbay at, 60000 lumens, 5000K 80CRI LEDs with N lens

Spectral Parameters

CCT (K): 4875
 CIE u': 0.2124
 CIE v': 0.4871
 Duv: 0.0005
 CIE x: 0.3488
 CIE y: 0.3555
 CIE z: 0.2957
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 573
 Purity: 11.33556
 Rf: 80
 Rg: 102.3

CRI (Ra):	82.3		
R1:	85.0	R9:	43.9
R2:	83.1	R10:	57.4
R3:	78.8	R11:	83.1
R4:	84.0	R12:	51.0
R5:	83.0	R13:	83.4
R6:	76.3	R14:	87.4
R7:	86.8	R15:	83.4
R8:	81.7		



Test Conditions

Stabilization Time: 39M
 Operation Time: 1H 39M
 Sphere Temperature (°C): 25.0

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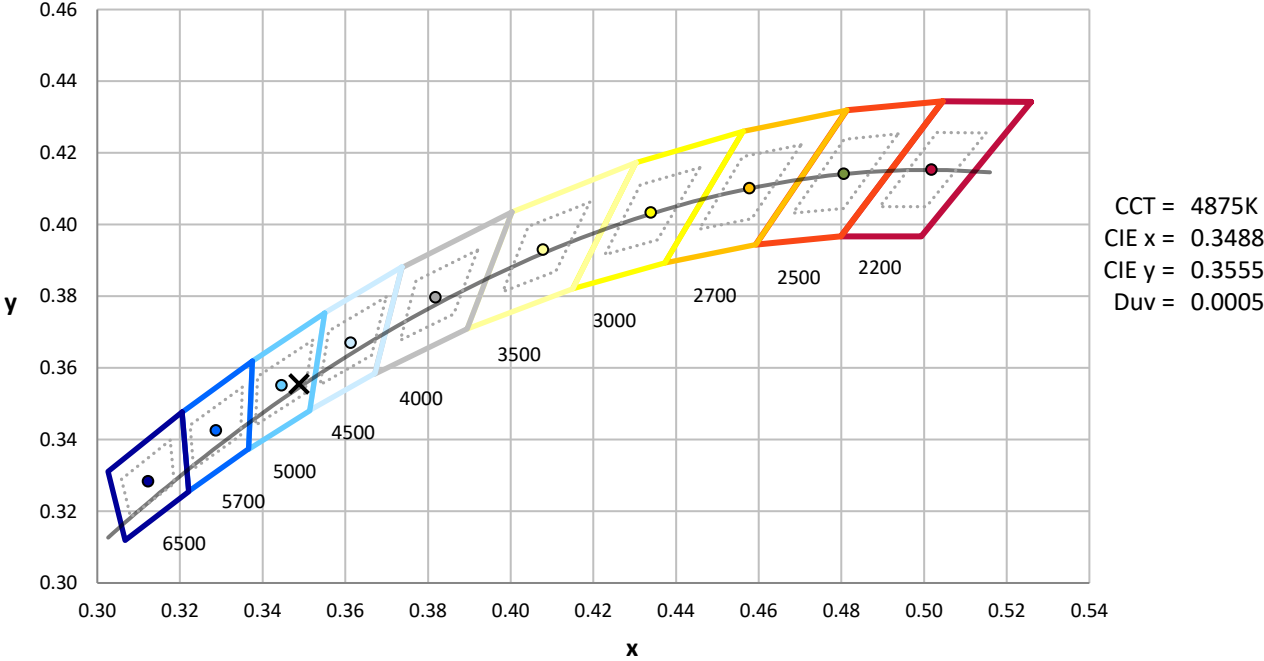
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208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

REPORT NUMBER: SP1-2506-472-4

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-4

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	89	NR	620	280	NR	750	6	NR	880	0	NR
365	0	NR	495	121	NR	625	280	NR	755	5	NR	885	0	NR
370	0	NR	500	168	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	224	NR	635	626	NR	765	4	NR	895	0	NR
380	1	NR	510	275	NR	640	163	NR	770	4	NR	900	0	NR
385	2	NR	515	321	NR	645	160	NR	775	3	NR	905	0	NR
390	3	NR	520	354	NR	650	136	NR	780	3	NR	910	0	NR
395	5	NR	525	375	NR	655	111	NR	785	2	NR	915	0	NR
400	7	NR	530	388	NR	660	93	NR	790	2	NR	920	0	NR
405	10	NR	535	395	NR	665	76	NR	795	2	NR	925	0	NR
410	15	NR	540	397	NR	670	72	NR	800	2	NR	930	0	NR
415	28	NR	545	398	NR	675	57	NR	805	1	NR	935	0	NR
420	53	NR	550	396	NR	680	49	NR	810	1	NR	940	0	NR
425	97	NR	555	395	NR	685	42	NR	815	1	NR	945	0	NR
430	163	NR	560	392	NR	690	37	NR	820	1	NR	950	0	NR
435	261	NR	565	388	NR	695	32	NR	825	1	NR	955	0	NR
440	409	NR	570	381	NR	700	27	NR	830	1	NR	960	0	NR
445	637	NR	575	374	NR	705	23	NR	835	1	NR	965	0	NR
450	699	NR	580	365	NR	710	20	NR	840	1	NR	970	0	NR
455	436	NR	585	354	NR	715	17	NR	845	0	NR	975	0	NR
460	274	NR	590	342	NR	720	15	NR	850	0	NR	980	0	NR
465	205	NR	595	325	NR	725	13	NR	855	0	NR	985	0	NR
470	130	NR	600	313	NR	730	11	NR	860	0	NR	990	0	NR
475	90	NR	605	301	NR	735	10	NR	865	0	NR	995	0	NR
480	78	NR	610	323	NR	740	8	NR	870	0	NR	1000	0	NR
485	77	NR	615	340	NR	745	7	NR	875	0	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.82

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	89	NR	620	280	NR	750	6	NR	880	0	NR
365	0	NR	495	121	NR	625	280	NR	755	5	NR	885	0	NR
370	0	NR	500	168	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	224	NR	635	626	NR	765	4	NR	895	0	NR
380	1	NR	510	275	NR	640	163	NR	770	4	NR	900	0	NR
385	2	NR	515	321	NR	645	160	NR	775	3	NR	905	0	NR
390	3	NR	520	354	NR	650	136	NR	780	3	NR	910	0	NR
395	5	NR	525	375	NR	655	111	NR	785	2	NR	915	0	NR
400	7	NR	530	388	NR	660	93	NR	790	2	NR	920	0	NR
405	10	NR	535	395	NR	665	76	NR	795	2	NR	925	0	NR
410	15	NR	540	397	NR	670	72	NR	800	2	NR	930	0	NR
415	28	NR	545	398	NR	675	57	NR	805	1	NR	935	0	NR
420	53	NR	550	396	NR	680	49	NR	810	1	NR	940	0	NR
425	97	NR	555	395	NR	685	42	NR	815	1	NR	945	0	NR
430	163	NR	560	392	NR	690	37	NR	820	1	NR	950	0	NR
435	261	NR	565	388	NR	695	32	NR	825	1	NR	955	0	NR
440	409	NR	570	381	NR	700	27	NR	830	1	NR	960	0	NR
445	637	NR	575	374	NR	705	23	NR	835	1	NR	965	0	NR
450	699	NR	580	365	NR	710	20	NR	840	1	NR	970	0	NR
455	436	NR	585	354	NR	715	17	NR	845	0	NR	975	0	NR
460	274	NR	590	342	NR	720	15	NR	850	0	NR	980	0	NR
465	205	NR	595	325	NR	725	13	NR	855	0	NR	985	0	NR
470	130	NR	600	313	NR	730	11	NR	860	0	NR	990	0	NR
475	90	NR	605	301	NR	735	10	NR	865	0	NR	995	0	NR
480	78	NR	610	323	NR	740	8	NR	870	0	NR	1000	0	NR
485	77	NR	615	340	NR	745	7	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.71

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	89	NR	620	280	NR	750	6	NR	880	0	NR
365	0	NR	495	121	NR	625	280	NR	755	5	NR	885	0	NR
370	0	NR	500	168	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	224	NR	635	626	NR	765	4	NR	895	0	NR
380	1	NR	510	275	NR	640	163	NR	770	4	NR	900	0	NR
385	2	NR	515	321	NR	645	160	NR	775	3	NR	905	0	NR
390	3	NR	520	354	NR	650	136	NR	780	3	NR	910	0	NR
395	5	NR	525	375	NR	655	111	NR	785	2	NR	915	0	NR
400	7	NR	530	388	NR	660	93	NR	790	2	NR	920	0	NR
405	10	NR	535	395	NR	665	76	NR	795	2	NR	925	0	NR
410	15	NR	540	397	NR	670	72	NR	800	2	NR	930	0	NR
415	28	NR	545	398	NR	675	57	NR	805	1	NR	935	0	NR
420	53	NR	550	396	NR	680	49	NR	810	1	NR	940	0	NR
425	97	NR	555	395	NR	685	42	NR	815	1	NR	945	0	NR
430	163	NR	560	392	NR	690	37	NR	820	1	NR	950	0	NR
435	261	NR	565	388	NR	695	32	NR	825	1	NR	955	0	NR
440	409	NR	570	381	NR	700	27	NR	830	1	NR	960	0	NR
445	637	NR	575	374	NR	705	23	NR	835	1	NR	965	0	NR
450	699	NR	580	365	NR	710	20	NR	840	1	NR	970	0	NR
455	436	NR	585	354	NR	715	17	NR	845	0	NR	975	0	NR
460	274	NR	590	342	NR	720	15	NR	850	0	NR	980	0	NR
465	205	NR	595	325	NR	725	13	NR	855	0	NR	985	0	NR
470	130	NR	600	313	NR	730	11	NR	860	0	NR	990	0	NR
475	90	NR	605	301	NR	735	10	NR	865	0	NR	995	0	NR
480	78	NR	610	323	NR	740	8	NR	870	0	NR	1000	0	NR
485	77	NR	615	340	NR	745	7	NR	875	0	NR			

Summary

$R_f = 80$
 $R_g = 102.3$
 $CIE R_a = 82.3$
 $R_9 = 43.9$

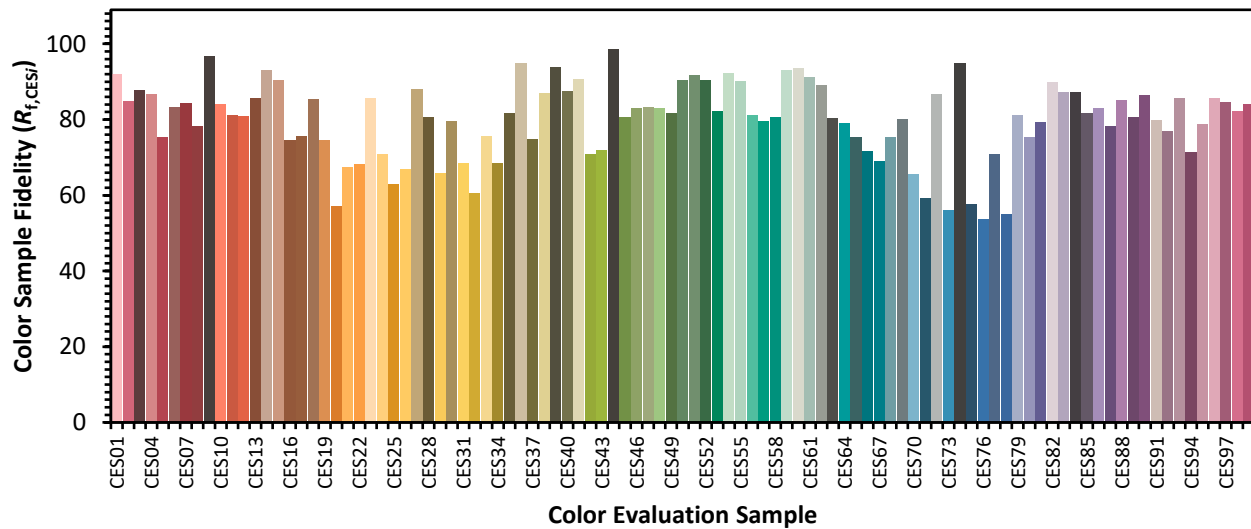


Color Vector Graphics

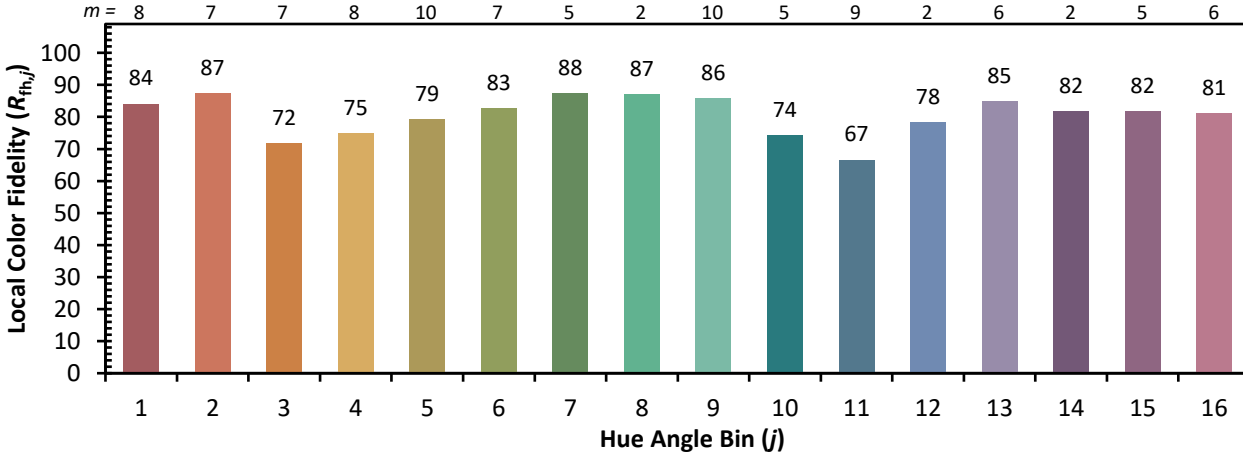


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 67	CES51 = 92	CES76 = 54
CES02 = 60	CES27 = 88	CES52 = 91	CES77 = 71
CES03 = 31	CES28 = 81	CES53 = 82	CES78 = 55
CES04 = 69	CES29 = 66	CES54 = 92	CES79 = 81
CES05 = 47	CES30 = 80	CES55 = 90	CES80 = 75
CES06 = 50	CES31 = 69	CES56 = 81	CES81 = 79
CES07 = 40	CES32 = 61	CES57 = 80	CES82 = 90
CES08 = 39	CES33 = 76	CES58 = 81	CES83 = 87
CES09 = 29	CES34 = 68	CES59 = 93	CES84 = 87
CES10 = 73	CES35 = 82	CES60 = 94	CES85 = 82
CES11 = 56	CES36 = 95	CES61 = 91	CES86 = 83
CES12 = 62	CES37 = 75	CES62 = 89	CES87 = 78
CES13 = 42	CES38 = 87	CES63 = 80	CES88 = 85
CES14 = 74	CES39 = 94	CES64 = 79	CES89 = 81
CES15 = 71	CES40 = 87	CES65 = 75	CES90 = 86
CES16 = 46	CES41 = 91	CES66 = 72	CES91 = 80
CES17 = 48	CES42 = 71	CES67 = 69	CES92 = 77
CES18 = 56	CES43 = 72	CES68 = 75	CES93 = 86
CES19 = 70	CES44 = 99	CES69 = 80	CES94 = 71
CES20 = 65	CES45 = 81	CES70 = 66	CES95 = 79
CES21 = 85	CES46 = 83	CES71 = 59	CES96 = 86
CES22 = 77	CES47 = 83	CES72 = 87	CES97 = 85
CES23 = 91	CES48 = 83	CES73 = 56	CES98 = 82
CES24 = 90	CES49 = 82	CES74 = 95	CES99 = 84
CES25 = 71	CES50 = 91	CES75 = 58	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)