

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: P1444834

Luminaire Tested: EHBR1-48-UNV-TA-L940-UPL12

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444834
REPORT IS A COMBINATION OF REPORTS P1444306 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-48-UNV-TA-L940-UPL12
Description: Elevate Round Highbay at, 48000 lumens, 4000K 90CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

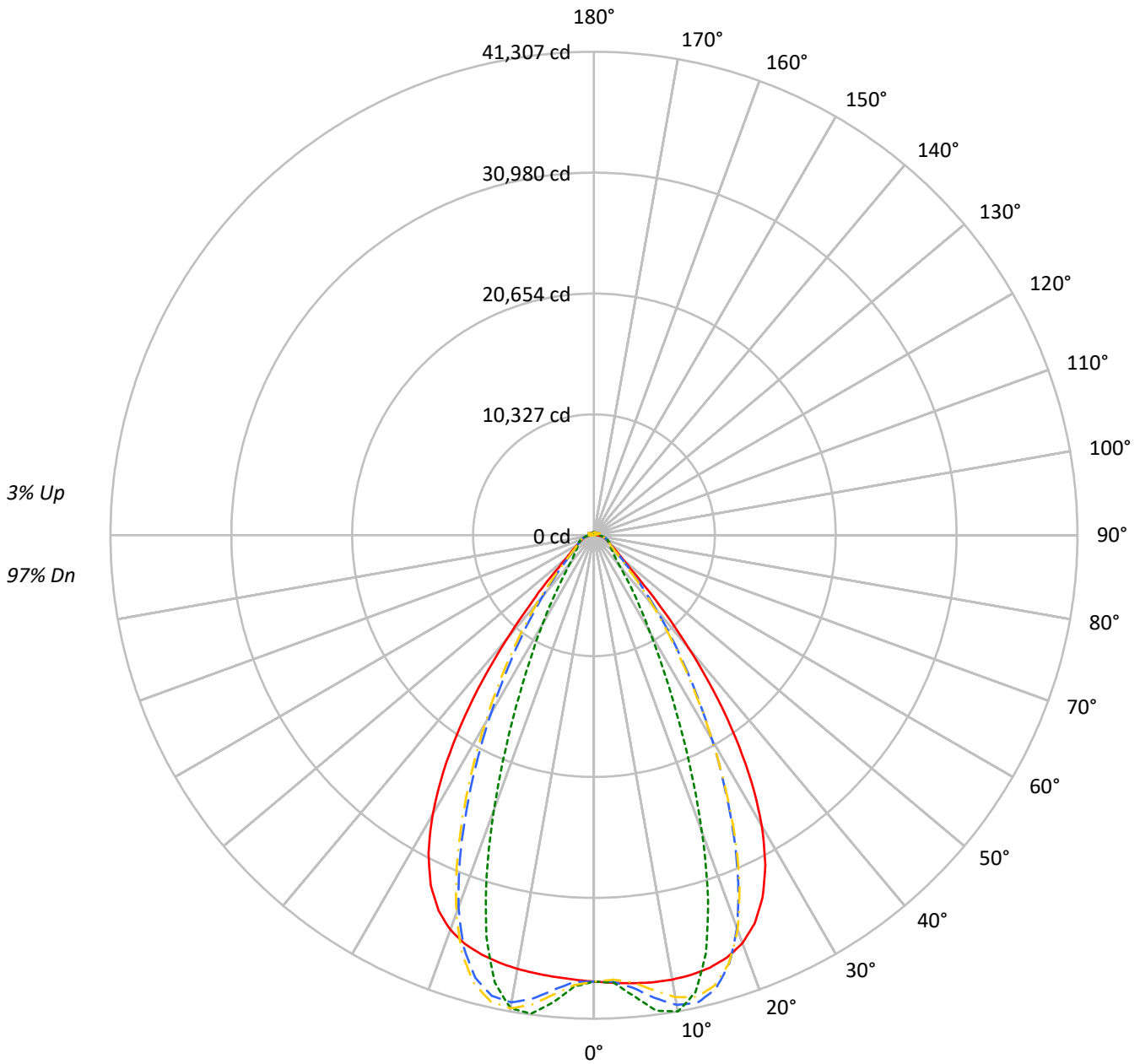
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45271.5 lumens
Efficiency: N/A
Efficacy: 170.2 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): 266
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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CATALOG NUMBER: EHBR1-48-UNV-TA-L940-UPL12

Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97
1	111	108	105	102	108	105	103	100	101	98	96	96	95	93	92	91	90	92	91	90	88
2	104	99	94	90	102	97	92	88	93	89	86	89	86	84	86	84	81	86	84	81	79
3	98	91	85	80	96	89	83	79	86	81	77	83	79	76	80	77	74	80	77	74	72
4	92	84	77	72	90	82	76	72	80	74	70	77	73	69	75	71	68	75	71	68	66
5	87	78	71	66	85	76	70	65	74	69	65	72	67	64	70	66	63	70	66	63	61
6	82	72	65	60	80	71	65	60	69	64	59	67	63	59	66	61	58	66	61	58	56
7	78	67	61	56	76	66	60	56	65	59	55	63	58	55	62	57	54	62	57	54	52
8	74	63	56	52	72	62	56	52	61	55	51	60	54	51	58	54	50	58	54	50	49
9	70	59	53	48	68	59	52	48	57	52	48	56	51	47	55	50	47	55	50	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	44	52	47	44	52	47	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	179062	179062	179062	179062
5°	179929	185175	177411	187601
10°	181431	194420	177080	193134
15°	182321	176240	176770	169144
20°	180436	131293	174531	121477
25°	170789	83035	165145	75339
30°	149197	49898	143419	45602
35°	114823	31311	108218	27736
40°	72636	19641	66456	18456
45°	37438	15301	36817	15049
50°	21950	13610	21276	13398
55°	16816	12876	16194	12761
60°	14229	13154	13622	12983
65°	13365	13737	12852	13268
70°	13056	14384	12405	13842
75°	13960	15255	13205	14579
80°	14445	16891	13097	15420
85°	13605	16299	10995	13954

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 57294 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3757.8	8.3
10°-20°	10571.0	23.4
20°-30°	12039.6	26.6
30°-40°	8653.5	19.1
40°-50°	3991.0	8.8
50°-60°	1909.9	4.2
60°-70°	1393.5	3.1
70°-80°	1058.7	2.3
80°-90°	483.5	1.1
90°-100°	45.2	0.1
100°-110°	207.6	0.5
110°-120°	382.5	0.8
120°-130°	247.7	0.5
130°-140°	177.1	0.4
140°-150°	145.6	0.3
150°-160°	110.6	0.2
160°-170°	71.3	0.2
170°-180°	25.3	0.1
0°-30°	26368.4	58.2
0°-40°	35022.0	77.4
0°-60°	40922.8	90.4
0°-90°	43858.5	96.9
90°-120°	635.3	1.4
90°-150°	1205.7	2.7
90°-180°	1413.0	3.1
0°-180°	45271.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	38130	38130	38130	38130	38130	
5°	38418	39538	37880	40056	38418	3671
15°	38250	36974	37086	35486	38250	10777
25°	34106	16582	32979	15045	34106	15461
35°	21074	5747	19862	5090	21074	12934
45°	6057	2476	5957	2435	6057	5152
55°	2272	1740	2188	1724	2272	2098
65°	1395	1434	1342	1385	1395	1393
75°	983	1075	930	1027	983	1023
85°	468	560	378	480	468	439
90°	114	148	24	32	114	73
95°	20	22	20	22	20	19
105°	80	99	56	99	80	104
115°	339	399	355	400	339	315
125°	275	268	308	270	275	250
135°	242	197	259	201	242	189
145°	238	215	251	221	238	150
155°	239	231	251	236	239	111
165°	252	246	260	249	252	71
175°	266	266	270	268	266	25
180°	269	269	269	269	269	



TEST NUMBER: P1444834
 CATALOG NUMBER: EHBR1-48-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9
2.5°	38275.6	38272.5	38271.9	38269.3	38268.6	38268.6	38267.2	38264.2	38262.2	38257.8	38252.9
5°	38417.6	38415.9	38417.0	38417.2	38414.5	38408.6	38399.3	38387.8	38373.4	38359.9	38347.6
7.5°	38527.5	38530.2	38533.5	38532.8	38524.5	38510.5	38491.4	38480.7	38487.0	38507.8	38555.3
10°	38547.5	38563.9	38570.2	38568.3	38551.6	38539.6	38544.2	38584.7	38665.1	38772.3	38919.0
12.5°	38469.3	38489.4	38488.7	38482.1	38466.0	38482.4	38540.9	38661.1	38833.5	39045.1	39293.2
15°	38249.9	38275.9	38268.6	38259.9	38249.2	38303.0	38419.9	38628.7	38895.0	39193.3	39498.7
17.5°	37823.8	37855.2	37839.9	37830.2	37821.2	37922.1	38122.8	38428.6	38764.0	39101.4	39390.9
20°	37084.8	37105.9	37069.5	37052.4	37066.8	37264.5	37560.3	37950.9	38304.3	38623.4	38821.2
22.5°	35878.6	35904.8	35836.5	35828.6	35912.9	36216.5	36590.8	37027.4	37359.5	37612.4	37688.6
25°	34106.5	34132.3	34051.2	34099.6	34242.9	34656.6	35102.3	35569.3	35852.6	36040.1	35988.3
27.5°	31714.7	31738.2	31661.2	31760.2	31986.7	32530.2	33054.8	33561.4	33813.9	33945.2	33778.9
30°	28698.0	28746.8	28655.9	28794.0	29139.8	29845.4	30446.4	31014.5	31266.3	31366.2	31107.3
32.5°	25115.2	25184.5	25084.4	25289.8	25772.3	26619.9	27302.6	27937.3	28215.9	28329.9	28037.6
35°	21074.2	21173.6	21058.7	21367.1	21962.1	22906.0	23662.0	24370.7	24700.5	24862.3	24567.6
37.5°	16792.9	16887.8	16825.5	17236.9	17890.4	18868.7	19640.4	20404.9	20777.4	21020.1	20787.7
40°	12589.7	12676.4	12723.5	13194.0	13808.5	14730.6	15471.7	16228.2	16645.0	16949.5	16806.2
42.5°	8885.8	8973.3	9133.3	9587.2	10099.7	10863.0	11497.9	12177.1	12575.1	12900.0	12844.8
45°	6057.3	6158.9	6359.2	6731.0	7101.6	7649.2	8115.4	8643.6	8968.8	9266.4	9269.9
47.5°	4244.7	4316.0	4495.1	4748.9	4990.5	5676.1	5704.2	5963.7	6182.3	6404.8	6433.6
50°	3271.3	3314.2	3409.2	3550.7	3687.5	3865.5	4028.4	4216.5	4351.1	4473.0	4502.1
52.5°	2688.8	2716.0	2764.4	2841.0	2920.4	3017.2	3104.4	3207.7	3280.9	3346.2	3359.9
55°	2272.5	2295.1	2367.0	2381.6	2472.4	2489.9	2528.7	2591.6	2634.1	2673.3	2683.0
57.5°	1958.3	1974.7	1990.0	2022.6	2050.6	2091.3	2124.1	2169.2	2196.0	2224.3	2226.7
60°	1710.5	1722.3	1733.2	1755.9	1774.9	1803.2	1825.7	1856.4	1875.7	1896.8	1899.3
62.5°	1526.0	1534.5	1541.8	1556.7	1570.3	1592.1	1610.0	1635.6	1653.5	1669.9	1673.6
65°	1395.0	1401.1	1405.8	1417.1	1429.0	1447.5	1463.7	1484.7	1497.8	1510.4	1513.1
67.5°	1278.8	1284.6	1289.5	1299.8	1308.0	1321.8	1332.7	1348.5	1358.3	1368.3	1368.6
70°	1145.6	1151.1	1154.8	1164.5	1171.1	1182.9	1191.7	1205.8	1216.0	1227.2	1230.0
72.5°	1053.5	1056.8	1061.7	1070.5	1079.7	1092.4	1104.1	1118.8	1131.1	1142.7	1147.6
75°	983.4	987.3	990.4	998.0	1004.3	1015.0	1023.8	1037.2	1048.0	1060.4	1066.5
77.5°	882.3	886.6	889.4	896.9	902.4	912.7	919.3	931.3	940.0	951.3	956.8
80°	759.9	764.0	766.1	773.2	777.6	787.0	793.3	804.9	812.3	823.6	830.2
82.5°	624.5	628.4	629.5	636.2	638.6	646.4	651.0	662.9	671.9	686.6	696.8
85°	467.6	469.0	471.3	469.5	479.1	479.6	490.3	492.4	506.4	510.2	526.3
87.5°	285.9	290.1	292.3	298.8	301.6	308.1	310.1	316.9	320.8	328.7	332.4
90°	113.9	120.0	121.7	128.9	130.4	136.8	138.0	145.2	146.8	154.3	156.4
92.5°	18.3	19.2	19.9	21.2	22.2	23.9	25.2	26.5	27.4	29.1	31.0
95°	20.3	21.3	22.4	23.4	24.4	25.5	26.6	27.6	28.6	29.6	32.5
97.5°	24.9	25.8	26.6	27.6	28.5	29.3	30.3	31.2	32.0	32.8	36.4
100°	31.4	32.1	32.9	33.7	34.5	35.2	36.0	36.8	37.5	38.3	44.9
102.5°	49.3	52.0	54.7	57.4	60.1	62.8	65.6	68.2	70.9	73.6	87.7
105°	79.9	87.1	94.7	101.8	109.2	116.6	124.0	131.1	138.4	145.7	168.9
107.5°	132.2	145.7	159.4	173.0	186.6	200.1	213.7	227.2	240.7	254.1	277.6
110°	238.0	248.7	259.7	270.5	281.4	292.3	303.2	313.7	324.7	335.4	352.5



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 CATALOG NUMBER: EHBR1-48-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	319.3	324.0	328.8	333.7	338.6	343.1	348.0	352.7	357.6	362.1	374.2
115°	339.1	340.6	342.4	343.7	345.4	346.8	348.2	349.6	351.2	352.4	360.5
117.5°	333.5	333.0	332.4	331.9	331.1	330.5	329.9	329.1	328.3	327.6	332.0
120°	316.8	314.8	313.1	311.0	309.2	307.1	305.2	303.2	301.0	298.8	300.5
122.5°	294.6	292.4	290.4	287.9	285.6	283.2	281.0	278.1	275.9	273.3	273.4
125°	274.9	272.6	270.6	268.1	265.5	263.1	260.6	258.0	255.5	252.6	252.4
127.5°	258.8	257.1	255.4	253.3	251.4	249.2	247.2	244.8	242.9	240.4	239.9
130°	250.3	248.8	247.1	245.2	243.3	241.2	239.1	236.9	234.9	232.5	231.9
132.5°	244.6	243.3	241.9	240.5	238.8	236.7	235.1	232.9	231.1	229.3	228.5
135°	242.5	241.1	240.0	238.4	236.8	234.9	233.0	231.0	229.3	227.1	226.7
137.5°	241.3	240.1	239.0	237.3	235.8	233.7	232.2	230.1	228.3	226.3	225.7
140°	240.4	239.3	238.0	236.5	235.1	233.4	231.5	229.7	227.9	225.9	225.5
142.5°	238.5	237.4	236.4	235.0	233.7	232.0	230.5	228.6	227.0	225.3	225.0
145°	238.2	237.3	236.5	235.1	233.8	232.3	230.9	229.1	227.8	226.1	225.8
147.5°	238.2	237.3	236.6	235.5	234.5	232.9	231.7	230.1	228.9	227.4	227.3
150°	238.2	237.5	236.8	235.8	234.7	233.4	232.2	230.9	229.6	228.2	228.0
152.5°	237.5	236.6	236.1	235.1	234.1	232.6	231.9	230.4	229.3	228.0	227.8
155°	238.7	237.9	237.0	236.3	235.1	234.1	232.9	231.9	230.8	229.6	229.4
157.5°	241.0	240.1	239.4	238.4	237.8	236.6	235.7	234.8	233.8	232.8	232.4
160°	244.4	243.5	242.8	241.9	241.0	239.9	239.1	238.1	237.5	236.4	236.2
162.5°	248.0	247.1	246.2	245.4	244.7	243.5	242.8	242.0	241.2	240.2	239.9
165°	251.9	251.4	250.7	250.0	249.2	248.6	247.8	247.0	246.3	245.4	245.2
167.5°	257.1	256.4	255.9	255.2	254.3	253.8	252.9	252.2	251.7	250.8	250.6
170°	260.9	260.1	259.7	259.3	258.7	258.2	257.7	257.1	256.6	256.0	255.9
172.5°	263.9	263.4	263.1	262.8	262.3	262.0	261.5	261.1	260.9	260.3	260.4
175°	265.7	265.2	265.1	264.9	264.6	264.3	264.1	263.8	263.8	263.5	263.4
177.5°	267.9	267.8	267.8	267.7	267.7	267.5	267.4	267.1	266.9	266.9	266.9
180°	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4



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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°	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9
2.5°	38249.2	38244.5	38238.2	38230.1	38223.2	38215.2	38196.1	38190.4	38196.7	38201.0	38209.8
5°	38340.0	38342.7	38343.7	38361.1	38376.1	38413.5	38706.9	38823.4	38913.6	38970.9	39057.7
7.5°	38614.1	38702.2	38789.4	38906.7	39007.9	39144.6	39657.8	39876.3	40031.6	40143.2	40280.5
10°	39078.4	39270.9	39451.4	39662.8	39844.5	40052.7	40530.4	40743.3	40877.6	40975.4	41066.8
12.5°	39546.2	39813.1	40054.3	40289.7	40486.3	40666.8	40834.8	40909.3	40915.6	40918.7	40870.3
15°	39789.8	40045.0	40257.5	40413.1	40528.7	40579.9	40290.6	40138.8	39947.1	39789.1	39529.2
17.5°	39636.0	39789.1	39881.0	39871.9	39824.1	39664.2	38844.9	38394.1	37946.8	37543.6	37014.9
20°	38952.5	38940.7	38860.9	38634.7	38362.1	37938.2	36533.5	35723.0	34939.5	34251.3	33416.4
22.5°	37680.8	37480.8	37201.7	36713.9	36172.0	35431.4	33418.4	32226.3	31135.4	30171.8	29092.3
25°	35838.3	35426.6	34912.0	34137.6	33295.4	32215.2	29734.2	28251.3	26941.7	25805.7	24560.2
27.5°	33480.1	32860.1	32106.0	31034.1	29893.2	28509.3	25758.6	24122.2	22716.2	21498.4	20172.7
30°	30688.3	29881.9	28908.2	27577.8	26201.6	24632.1	21842.2	20184.8	18761.7	17508.8	16182.1
32.5°	27533.4	26588.8	25447.8	23954.8	22466.4	20852.6	18158.3	16553.9	15194.5	13989.2	12788.5
35°	24053.6	23040.7	21833.6	20310.6	18831.3	17262.2	14790.1	13343.4	12143.0	11077.6	10108.1
37.5°	20321.0	19326.4	18179.1	16743.7	15371.9	13950.1	11817.0	10604.7	9597.3	8713.1	7964.5
40°	16440.0	15569.7	14577.0	13336.1	12165.3	10981.2	9230.2	8268.0	7473.0	6798.6	6237.6
42.5°	12606.7	11932.1	11170.9	10190.3	9294.4	8392.8	7045.1	6332.1	5743.3	5257.8	4861.2
45°	9146.5	8695.3	8184.8	7503.1	6883.1	6254.2	5295.0	4794.1	4410.6	4097.6	3832.9
47.5°	6393.9	6132.2	6116.3	5486.3	5031.6	4647.1	4029.2	3712.7	3477.7	3288.1	3120.5
50°	4490.3	4363.6	4206.4	3981.5	3770.6	3553.2	3176.7	2985.4	2847.8	2732.9	2626.9
52.5°	3356.8	3291.0	3207.3	3088.0	2973.6	2851.4	2613.2	2491.4	2448.1	2341.1	2257.2
55°	2681.2	2643.5	2595.8	2525.7	2456.2	2428.3	2224.1	2133.7	2076.5	2034.2	1989.2
57.5°	2227.1	2199.0	2170.7	2123.2	2083.0	2034.2	1925.8	1879.5	1845.4	1820.5	1789.3
60°	1899.7	1882.9	1867.0	1839.2	1817.5	1791.2	1722.3	1696.2	1678.4	1663.5	1643.5
62.5°	1676.7	1668.1	1659.9	1645.0	1634.0	1619.8	1572.7	1560.1	1551.2	1543.7	1531.5
65°	1515.7	1509.5	1505.0	1495.1	1489.6	1481.2	1440.9	1432.4	1426.8	1424.2	1417.1
67.5°	1369.5	1363.0	1360.0	1352.9	1350.7	1345.5	1312.4	1307.8	1305.9	1306.7	1304.2
70°	1232.7	1230.0	1231.4	1230.2	1233.4	1234.3	1214.3	1214.2	1216.3	1220.5	1220.9
72.5°	1150.7	1150.7	1152.3	1153.0	1156.0	1157.4	1140.7	1139.9	1140.8	1144.0	1144.1
75°	1072.7	1074.0	1078.2	1079.7	1083.1	1083.9	1061.8	1059.3	1059.5	1062.4	1061.4
77.5°	964.7	969.4	977.5	981.7	988.5	989.8	965.0	962.1	962.2	965.2	962.7
80°	842.2	851.2	864.0	872.9	883.4	887.6	862.1	856.1	850.4	849.6	844.5
82.5°	712.1	723.0	738.3	746.4	757.6	760.1	717.6	709.5	704.7	705.2	700.5
85°	543.6	551.8	565.8	570.4	577.2	576.7	528.1	507.3	512.9	504.2	511.0
87.5°	341.0	345.8	354.6	355.7	359.0	358.2	309.3	299.7	296.9	297.0	293.5
90°	164.0	167.0	174.2	173.9	178.6	177.7	137.7	132.8	129.6	131.7	127.3
92.5°	33.4	35.2	37.5	39.4	41.6	43.7	41.4	42.0	40.4	38.2	36.8
95°	35.6	38.7	41.7	44.7	47.8	50.9	53.9	57.0	54.1	51.2	48.4
97.5°	40.1	43.7	47.2	50.8	54.4	58.0	61.7	65.3	62.2	58.9	55.8
100°	51.7	58.4	65.0	71.7	78.4	85.2	92.0	98.7	92.8	86.5	80.7
102.5°	101.8	116.1	130.3	144.5	158.8	173.0	187.4	201.8	188.1	174.3	160.5
105°	191.9	215.1	238.1	261.0	284.0	307.2	330.6	353.7	331.9	310.0	288.3
107.5°	300.9	324.4	347.5	370.7	394.1	417.4	441.4	464.8	443.4	421.8	400.6
110°	369.5	386.3	403.2	420.2	436.9	453.9	471.7	488.6	475.7	462.7	449.7



TEST NUMBER: P1444834
 CATALOG NUMBER: EHBR1-48-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	386.1	398.2	410.2	421.8	433.7	445.7	458.9	471.1	464.3	457.4	450.8
115°	368.3	376.4	384.0	391.9	399.8	407.5	416.9	425.2	422.6	420.1	417.6
117.5°	336.0	340.1	344.3	348.5	352.4	356.5	362.7	367.2	366.9	366.7	366.5
120°	301.8	303.3	304.6	306.0	307.3	308.5	312.2	314.1	315.2	316.1	317.2
122.5°	273.6	273.7	273.7	273.8	273.9	273.8	276.7	277.4	277.7	278.1	278.6
125°	252.1	251.6	251.3	251.0	250.3	250.0	252.8	252.9	252.3	251.5	250.8
127.5°	239.2	238.4	237.7	237.0	236.0	235.3	237.9	237.8	236.4	234.8	233.2
130°	231.2	230.6	229.8	229.2	228.5	227.9	230.8	231.0	228.9	226.5	224.4
132.5°	227.8	227.2	226.4	225.9	225.3	224.5	227.8	228.1	225.8	223.3	221.0
135°	225.9	225.4	224.7	224.1	223.5	223.0	226.7	227.0	224.9	222.4	220.1
137.5°	224.8	224.3	223.8	223.3	222.7	222.2	226.3	226.9	225.0	222.8	220.9
140°	224.9	224.3	223.9	223.6	223.0	222.8	227.3	228.0	226.4	224.7	222.9
142.5°	224.3	224.2	224.0	224.0	223.6	223.6	228.7	229.7	228.3	226.9	225.6
145°	225.5	225.5	225.3	225.4	225.3	225.5	231.1	232.5	231.6	230.4	229.3
147.5°	226.7	226.7	226.6	226.6	226.5	226.9	233.2	234.6	233.9	232.9	232.3
150°	227.7	227.7	227.5	227.7	228.0	228.3	235.4	237.2	236.5	235.9	235.2
152.5°	227.5	227.5	227.4	227.4	227.5	227.9	236.8	239.0	238.5	237.7	237.3
155°	229.1	228.9	228.7	228.7	228.6	229.0	238.9	241.3	240.8	240.4	239.8
157.5°	232.2	231.8	231.4	231.4	231.3	231.2	241.9	244.7	244.1	243.7	243.3
160°	235.6	235.4	235.0	234.9	234.5	234.4	245.5	248.1	247.8	247.3	246.8
162.5°	239.5	239.7	239.2	239.1	238.8	239.0	250.0	252.8	252.2	251.7	251.3
165°	244.9	244.5	244.2	244.1	243.8	243.6	254.2	256.7	256.4	255.8	255.4
167.5°	250.2	250.1	249.8	249.7	249.5	249.6	259.3	261.7	261.4	260.8	260.5
170°	255.6	255.6	255.4	255.4	255.4	255.5	263.7	265.6	265.4	264.8	264.5
172.5°	260.3	260.4	260.4	260.4	260.4	260.6	267.5	269.3	269.1	268.7	268.2
175°	263.4	263.4	263.5	263.7	263.7	263.8	269.2	270.5	270.4	270.1	269.8
177.5°	267.1	267.0	267.2	267.3	267.5	267.6	270.8	271.7	271.5	271.5	271.4
180°	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4



TEST NUMBER: P1444834
 CATALOG NUMBER: EHBR1-48-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9
2.5°	38211.7	38225.1	38227.1	38242.8	38241.5	38260.2	38257.3	38272.5	38263.6	38276.2	38265.6
5°	39109.2	39190.6	39233.2	39312.6	39337.7	39408.8	39428.9	39493.8	39496.5	39547.9	39536.1
7.5°	40378.1	40498.1	40569.3	40667.4	40717.2	40799.1	40835.1	40895.6	40915.1	40963.2	40966.8
10°	41135.8	41194.0	41234.7	41262.1	41287.2	41298.9	41312.6	41308.9	41312.6	41307.2	41318.9
12.5°	40837.8	40752.7	40696.4	40589.9	40528.2	40410.4	40352.6	40239.4	40198.4	40101.1	40087.1
15°	39328.4	39031.9	38822.5	38517.9	38326.3	38026.6	37851.3	37580.9	37457.4	37242.4	37186.1
17.5°	36577.3	36027.0	35601.1	35054.7	34675.7	34165.0	33844.0	33421.3	33189.9	32849.0	32731.0
20°	32720.4	31906.2	31267.3	30506.3	29961.7	29283.1	28848.7	28300.8	27982.7	27564.1	27394.4
22.5°	28192.2	27178.5	26380.7	25481.6	24824.5	24068.3	23547.9	22955.1	22609.0	22154.3	21952.8
25°	23525.1	22407.2	21520.2	20572.9	19878.6	19120.6	18600.0	18017.7	17659.6	17227.9	17027.8
27.5°	19061.5	17929.8	17072.6	16191.9	15555.0	14871.0	14401.3	13892.9	13575.0	13206.5	13018.3
30°	15122.3	14124.2	13394.7	12663.9	12134.0	11578.6	11188.2	10766.8	10488.0	10172.5	9993.2
32.5°	11913.0	11142.5	10571.3	9991.3	9557.8	9093.5	8756.3	8384.4	8132.8	7851.0	7688.6
35°	9435.0	8836.2	8380.6	7903.2	7530.8	7135.4	6838.2	6517.2	6291.4	6048.8	5908.6
37.5°	7454.6	6978.5	6603.6	6207.1	5901.1	5573.6	5463.2	5094.9	4861.0	4667.4	4533.2
40°	5850.4	5471.8	5161.6	4858.3	4608.9	4360.4	4161.0	3964.2	3813.2	3674.7	3578.9
42.5°	4568.7	4294.4	4067.8	3845.7	3663.7	3482.7	3338.3	3202.7	3101.0	3010.4	2948.7
45°	3631.9	3443.3	3285.8	3129.4	3000.9	2880.1	2782.9	2696.4	2630.7	2576.3	2537.7
47.5°	2983.7	2854.6	2743.5	2638.0	2550.8	2471.6	2406.4	2385.2	2314.6	2267.0	2248.9
50°	2535.8	2457.8	2373.4	2295.5	2237.3	2179.3	2137.1	2095.6	2069.3	2047.4	2040.7
52.5°	2201.4	2141.8	2094.8	2045.5	2007.0	1965.9	1936.7	1909.1	1894.6	1883.1	1881.7
55°	1952.8	1911.1	1880.1	1847.0	1824.0	1799.8	1784.7	1770.1	1763.7	1757.9	1758.4
57.5°	1764.7	1736.9	1716.7	1695.2	1682.7	1671.2	1667.4	1663.7	1665.7	1666.5	1669.8
60°	1627.7	1609.6	1596.8	1584.5	1579.3	1575.7	1578.5	1581.7	1588.4	1593.8	1598.5
62.5°	1522.7	1512.3	1506.1	1499.5	1498.9	1499.2	1504.9	1510.4	1518.7	1524.9	1529.6
65°	1414.5	1408.6	1406.6	1402.4	1404.5	1405.8	1412.6	1416.8	1425.1	1430.1	1436.0
67.5°	1305.3	1303.9	1305.1	1305.1	1309.0	1312.2	1318.7	1323.6	1330.6	1335.1	1340.0
70°	1224.6	1225.2	1228.2	1228.7	1232.8	1235.1	1240.8	1243.8	1250.2	1254.0	1259.8
72.5°	1146.2	1144.9	1145.6	1143.8	1145.2	1144.6	1147.8	1149.3	1154.7	1157.7	1164.7
75°	1062.6	1059.2	1058.3	1054.5	1054.6	1051.9	1053.2	1053.0	1056.6	1058.0	1063.1
77.5°	961.7	955.9	953.0	946.6	946.6	944.1	946.6	948.2	954.5	957.4	963.2
80°	841.1	831.8	827.6	820.2	821.4	821.1	827.2	832.0	839.5	841.0	848.3
82.5°	699.1	689.6	685.1	677.9	679.5	679.7	685.4	686.3	693.0	695.8	704.3
85°	500.6	504.2	494.1	494.9	492.7	496.8	500.6	505.3	510.8	520.0	527.1
87.5°	294.8	293.5	297.0	297.5	302.6	305.2	313.4	318.1	327.3	334.5	347.5
90°	127.7	123.3	126.3	125.0	130.2	128.9	133.7	131.5	137.2	137.9	145.2
92.5°	34.3	32.8	30.4	28.7	26.5	25.1	23.6	23.2	21.8	21.4	20.0
95°	45.6	42.7	39.9	37.0	34.2	31.3	30.3	29.3	28.1	27.1	26.1
97.5°	52.7	49.7	46.7	43.4	40.3	37.3	36.6	35.9	35.2	34.5	33.8
100°	74.5	68.7	62.7	56.7	50.8	44.9	44.3	43.8	43.2	42.7	42.1
102.5°	147.0	133.2	119.7	106.0	92.5	78.7	76.4	74.0	71.6	69.3	66.9
105°	266.3	244.4	222.6	200.8	179.1	157.3	150.8	144.0	137.6	131.1	124.7
107.5°	379.2	357.8	336.5	315.3	294.0	272.7	262.4	252.2	241.7	231.4	221.3
110°	436.4	423.5	410.8	397.6	384.9	372.0	362.0	352.3	342.3	332.4	322.7



TEST NUMBER: P1444834
 CATALOG NUMBER: EHBR1-48-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	444.0	437.3	430.5	423.9	417.4	410.7	405.8	400.9	396.1	391.2	386.2
115°	415.0	412.5	410.1	407.7	405.5	403.0	402.5	402.0	401.4	400.9	400.6
117.5°	366.2	366.0	365.8	365.8	365.7	365.7	367.9	370.0	372.4	374.9	377.4
120°	318.3	319.3	320.2	321.4	322.5	323.8	326.6	329.8	332.8	336.1	339.5
122.5°	278.9	279.4	279.7	280.3	280.8	281.5	284.1	287.0	289.9	293.0	296.4
125°	249.8	248.9	248.2	247.3	246.4	246.0	247.9	250.1	252.4	254.9	257.3
127.5°	231.4	229.7	227.9	226.4	224.5	223.1	223.9	224.9	225.7	226.9	228.2
130°	222.0	219.8	217.2	215.1	212.5	210.5	210.3	210.2	210.1	210.2	210.2
132.5°	218.4	216.0	213.3	210.7	208.2	205.7	204.7	203.8	202.9	202.4	201.7
135°	217.6	215.4	212.7	210.3	207.7	205.3	204.0	202.7	201.5	200.4	199.5
137.5°	218.8	216.8	214.7	212.7	210.3	208.3	206.6	205.3	203.8	202.8	201.4
140°	221.1	219.5	217.4	215.7	213.8	212.1	210.6	209.5	208.0	207.1	205.9
142.5°	223.9	222.5	221.0	219.5	218.0	216.5	215.2	214.0	212.8	211.8	210.6
145°	228.2	227.0	225.8	224.7	223.4	222.4	221.0	220.1	219.0	218.1	217.4
147.5°	231.3	230.4	229.5	228.5	227.5	226.6	225.6	225.0	223.9	223.3	222.5
150°	234.3	233.5	232.5	232.0	230.9	230.1	229.4	228.7	227.9	227.5	226.8
152.5°	236.3	235.6	234.9	234.3	233.4	232.5	231.9	231.4	230.8	230.3	229.6
155°	239.2	238.6	237.8	237.3	236.5	236.0	235.3	234.6	234.0	233.5	232.8
157.5°	242.7	242.1	241.4	241.0	240.2	239.6	239.1	238.5	237.8	237.3	236.6
160°	246.2	245.9	245.1	244.6	244.0	243.4	242.6	242.1	241.4	240.9	240.1
162.5°	250.6	250.0	249.4	248.8	248.1	247.5	246.9	246.3	245.7	245.1	244.5
165°	254.8	254.2	253.7	253.1	252.7	252.1	251.4	250.8	250.1	249.6	248.8
167.5°	259.9	259.6	259.0	258.5	257.9	257.3	256.8	256.2	255.6	254.9	254.2
170°	264.0	263.4	263.0	262.4	262.0	261.3	260.8	260.1	259.6	259.2	258.3
172.5°	267.8	267.7	267.1	266.8	266.2	265.8	265.4	265.0	264.5	264.0	263.7
175°	269.7	269.5	269.4	269.0	268.9	268.6	268.3	268.1	267.8	267.8	267.3
177.5°	271.4	271.2	271.2	270.9	270.8	270.8	270.5	270.5	270.4	270.1	270.0
180°	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4



TEST NUMBER: P1444834
 CATALOG NUMBER: EHBR1-48-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9
2.5°	38276.6	38266.9	38271.5	38253.6	38257.8	38236.2	38234.2	38209.8	38207.3	38184.3	38175.7
5°	39572.6	39551.2	39575.3	39537.8	39545.2	39496.5	39492.4	39429.3	39407.6	39328.7	39294.7
7.5°	40996.9	40988.9	41003.5	40972.2	40971.2	40927.7	40909.7	40853.2	40818.1	40735.4	40682.4
10°	41308.9	41316.2	41304.2	41307.2	41290.3	41285.6	41268.2	41257.2	41228.8	41207.3	41175.7
12.5°	40013.2	40021.0	39971.5	40002.9	39978.1	40036.0	40031.3	40099.4	40109.9	40196.0	40228.7
15°	37018.7	37009.3	36914.5	36974.2	36942.2	37069.1	37097.5	37268.2	37359.5	37578.7	37713.3
17.5°	32494.9	32470.5	32336.9	32409.6	32372.6	32559.7	32622.5	32895.5	33065.8	33419.0	33670.6
20°	27102.3	27055.5	26899.3	26984.5	26946.4	27158.9	27248.5	27578.4	27798.1	28265.8	28598.5
22.5°	21642.8	21568.9	21415.8	21495.4	21459.3	21679.6	21796.1	22127.2	22378.8	22858.9	23247.4
25°	16740.2	16674.3	16526.4	16582.1	16568.7	16754.9	16858.6	17171.8	17419.0	17876.3	18247.2
27.5°	12768.1	12699.6	12565.9	12605.4	12591.7	12750.5	12848.2	13109.8	13322.5	13707.6	14033.2
30°	9772.1	9689.5	9576.1	9597.9	9588.6	9717.2	9808.5	10028.8	10211.1	10536.5	10817.1
32.5°	7490.3	7407.2	7303.1	7313.3	7299.5	7400.4	7475.6	7667.3	7826.1	8102.8	8347.0
35°	5731.1	5828.2	5605.8	5746.7	5600.0	5815.3	5737.9	5857.6	5994.3	6227.4	6431.1
37.5°	4405.8	4338.2	4281.0	4274.9	4274.6	4324.5	4383.4	4498.7	4619.1	4792.9	4972.3
40°	3491.4	3443.9	3406.9	3404.2	3406.9	3442.4	3485.9	3565.6	3653.8	3778.6	3910.4
42.5°	2895.8	2864.3	2842.0	2840.4	2847.5	2872.6	2902.9	2950.2	3007.6	3088.4	3178.9
45°	2506.3	2488.8	2476.4	2475.7	2478.9	2492.1	2509.5	2539.0	2575.3	2625.7	2683.0
47.5°	2233.1	2228.8	2221.0	2221.3	2217.8	2223.2	2225.1	2241.6	2261.0	2299.0	2373.8
50°	2034.1	2034.1	2028.7	2028.4	2023.3	2023.1	2018.8	2025.3	2034.3	2057.9	2081.9
52.5°	1876.8	1876.2	1870.5	1869.3	1863.9	1863.7	1859.9	1862.5	1863.8	1875.7	1889.9
55°	1753.8	1750.2	1742.5	1740.1	1738.0	1741.2	1739.8	1739.8	1738.3	1743.3	1747.5
57.5°	1665.7	1660.8	1653.7	1651.5	1651.0	1654.6	1654.8	1653.5	1646.9	1642.4	1636.0
60°	1595.8	1591.1	1583.2	1581.3	1582.4	1587.5	1587.2	1583.0	1573.1	1564.5	1554.5
62.5°	1527.3	1525.4	1521.4	1520.8	1519.8	1520.7	1517.2	1512.6	1502.8	1493.7	1482.8
65°	1435.3	1436.3	1433.3	1433.8	1430.3	1429.7	1424.3	1419.9	1410.0	1401.7	1390.6
67.5°	1339.8	1340.5	1338.1	1338.1	1336.3	1336.5	1333.3	1329.2	1320.9	1314.1	1305.4
70°	1261.1	1263.0	1261.6	1262.1	1259.8	1258.9	1253.9	1249.9	1241.3	1235.6	1227.9
72.5°	1166.8	1171.1	1170.9	1171.9	1168.6	1166.8	1160.7	1155.8	1148.1	1143.5	1137.3
75°	1065.1	1070.6	1072.1	1074.6	1069.7	1067.2	1060.6	1056.6	1050.2	1047.5	1043.4
77.5°	965.7	971.8	977.6	983.0	975.2	968.3	960.0	953.6	944.5	941.1	934.6
80°	854.2	864.9	877.8	888.6	874.6	860.5	846.8	836.6	824.6	819.7	811.7
82.5°	708.7	719.7	727.1	734.0	724.3	713.9	700.6	691.7	678.7	674.0	664.7
85°	538.4	552.1	556.5	560.2	554.0	548.5	536.0	519.2	511.0	498.2	491.5
87.5°	354.1	362.3	363.9	365.1	361.4	358.7	350.6	342.7	328.7	318.5	306.0
90°	144.4	149.5	146.0	147.8	143.3	144.2	136.5	134.3	123.2	119.3	109.5
92.5°	19.4	18.1	17.3	16.3	17.9	18.2	19.7	20.0	21.3	21.8	23.2
95°	25.1	23.9	22.9	21.9	22.7	23.6	24.4	25.2	26.0	26.8	27.7
97.5°	33.1	32.4	31.7	31.0	31.5	32.0	32.5	33.0	33.4	33.9	34.7
100°	41.6	41.0	40.4	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
102.5°	64.6	62.2	59.8	57.5	59.1	60.7	62.2	63.8	65.5	67.1	68.8
105°	118.1	111.7	105.2	98.8	105.0	111.2	117.6	123.8	130.1	136.6	142.9
107.5°	210.8	200.6	190.4	180.2	191.7	203.2	214.6	225.9	237.4	248.7	260.4
110°	312.9	303.3	293.5	283.8	295.9	308.0	320.1	332.2	344.3	356.4	368.8



TEST NUMBER: P1444834
 CATALOG NUMBER: EHBR1-48-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	381.4	376.8	372.0	367.3	375.1	382.8	390.6	398.7	406.5	414.5	422.3
115°	400.1	399.9	399.6	399.3	403.0	406.7	410.4	414.2	418.0	421.7	425.7
117.5°	379.8	382.3	385.0	387.6	388.8	389.9	391.3	392.5	393.9	395.2	396.7
120°	342.8	346.0	349.6	353.1	352.6	352.2	351.7	351.2	351.2	350.9	351.0
122.5°	299.6	302.9	306.4	309.9	308.8	307.8	306.8	306.0	305.3	304.6	303.9
125°	260.1	262.7	265.5	268.4	267.4	266.4	265.3	264.8	264.0	263.3	262.8
127.5°	229.7	231.3	232.7	234.5	234.0	233.6	233.5	233.1	233.1	233.2	233.3
130°	210.6	211.0	211.8	212.2	212.4	212.5	213.2	213.5	214.3	214.7	215.8
132.5°	201.6	201.1	201.1	201.0	201.6	202.2	203.1	203.9	205.2	206.2	207.9
135°	198.8	198.2	197.7	197.3	198.2	198.8	200.0	201.1	202.5	204.1	205.8
137.5°	200.7	199.8	199.2	198.4	199.3	200.1	201.2	202.4	203.8	205.3	207.2
140°	205.1	204.2	203.8	203.1	203.9	204.6	205.7	206.8	208.3	209.8	211.5
142.5°	209.9	209.0	208.5	208.1	208.6	209.3	210.6	211.5	212.8	214.0	215.7
145°	216.6	215.9	215.6	215.0	215.4	216.0	216.7	217.5	218.5	219.3	220.7
147.5°	221.9	221.4	221.1	220.6	221.0	221.4	221.8	222.3	223.1	223.9	224.8
150°	226.6	225.9	225.6	225.4	225.6	225.6	226.1	226.2	226.8	227.2	228.1
152.5°	229.4	228.6	228.6	228.3	228.3	228.3	228.6	228.8	229.2	229.5	230.2
155°	232.5	232.1	231.6	231.2	231.1	231.0	231.1	231.0	231.2	231.2	231.5
157.5°	236.4	235.8	235.5	235.0	234.8	234.3	234.3	234.1	234.1	233.7	233.8
160°	239.7	239.1	238.5	237.9	237.8	237.4	237.4	237.0	236.9	236.8	236.8
162.5°	244.0	243.4	243.1	242.5	242.2	241.6	241.3	240.7	240.5	240.2	240.1
165°	248.1	247.5	247.1	246.2	246.0	245.8	245.3	245.0	244.8	244.5	244.3
167.5°	253.8	253.0	252.6	251.9	251.5	250.9	250.7	250.2	249.9	249.5	249.5
170°	258.0	257.4	257.0	256.6	256.3	255.8	255.7	255.3	255.2	255.0	255.0
172.5°	263.2	262.8	262.4	262.1	261.8	261.5	261.3	261.2	261.0	261.0	260.8
175°	267.1	266.8	266.7	266.5	266.2	266.1	266.0	265.9	265.8	265.5	265.5
177.5°	269.6	269.5	269.4	269.3	269.2	269.2	269.2	269.2	269.2	269.1	268.9
180°	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4



TEST NUMBER: P1444834
 CATALOG NUMBER: EHBR1-48-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9
2.5°	38151.0	38140.9	38114.6	38101.5	38077.1	38064.8	38045.7	38033.4	38018.0	38006.6	38000.6
5°	39208.0	39159.2	39061.5	39001.3	38895.7	38826.1	38721.3	38644.5	38536.2	38456.4	38354.1
7.5°	40583.2	40508.4	40383.2	40288.2	40140.5	40027.6	39861.9	39729.3	39546.2	39394.1	39207.0
10°	41143.1	41099.5	41043.3	40982.2	40900.4	40820.1	40706.9	40591.6	40437.9	40284.9	40085.2
12.5°	40315.7	40356.7	40437.9	40475.7	40537.8	40558.8	40587.2	40573.9	40548.8	40486.3	40395.8
15°	37971.9	38143.6	38414.9	38602.6	38865.6	39050.3	39294.7	39451.9	39633.0	39741.3	39844.2
17.5°	34116.6	34448.7	34927.5	35309.5	35822.2	36239.1	36750.0	37151.3	37614.7	37970.2	38348.7
20°	29178.5	29643.6	30304.5	30865.8	31608.9	32238.9	33046.1	33722.3	34511.1	35168.7	35878.3
22.5°	23863.8	24410.9	25168.1	25845.2	26732.5	27525.0	28536.4	29430.5	30496.9	31452.2	32508.8
25°	18850.0	19386.1	20157.6	20858.6	21816.4	22689.5	23794.4	24820.2	26057.6	27211.6	28536.4
27.5°	14550.4	15026.6	15704.7	16335.8	17213.1	18070.1	19191.4	20285.2	21605.6	22845.8	24273.5
30°	11237.0	11623.4	12166.7	12674.3	13378.6	14079.6	15078.3	16089.9	17403.8	18688.9	20152.6
32.5°	8708.4	9037.7	9491.3	9903.4	10446.1	10974.6	11710.1	12518.4	13671.0	14902.0	16317.2
35°	6741.2	7023.0	7409.1	7764.1	8210.3	8629.9	9178.8	9755.7	10635.3	11670.7	12937.3
37.5°	5374.5	5489.3	5764.9	6055.7	6426.4	6771.2	7200.5	7627.1	8256.4	9073.4	10108.1
40°	4087.2	4269.6	4493.9	4723.0	5003.7	5280.2	5751.2	5978.0	6392.3	6978.8	7781.8
42.5°	3297.8	3426.1	3584.0	3743.3	3938.8	4131.5	4369.7	4612.4	4922.1	5319.3	5890.5
45°	2759.7	2843.4	2945.1	3051.2	3179.7	3311.2	3470.7	3637.2	3847.1	4091.3	4438.3
47.5°	2400.2	2446.4	2512.8	2585.3	2673.4	2764.4	2868.1	2974.3	3104.7	3249.5	3447.1
50°	2119.6	2158.2	2209.8	2258.2	2319.0	2412.2	2453.4	2512.0	2590.4	2675.7	2786.2
52.5°	1916.5	1942.2	1974.6	2002.4	2040.9	2075.8	2121.5	2162.0	2216.2	2267.3	2338.7
55°	1758.4	1767.7	1786.1	1804.0	1830.6	1854.4	1885.8	1912.3	1946.9	1977.5	2022.5
57.5°	1636.2	1637.1	1645.6	1654.9	1672.0	1687.0	1708.6	1726.0	1750.0	1769.6	1796.5
60°	1548.5	1543.8	1545.5	1548.8	1558.5	1568.1	1582.0	1593.3	1608.4	1619.5	1634.6
62.5°	1475.4	1468.1	1466.4	1465.6	1470.4	1473.9	1481.4	1486.9	1495.6	1500.3	1508.4
65°	1383.2	1374.5	1371.2	1367.2	1368.6	1367.5	1370.4	1370.5	1374.8	1375.9	1380.5
67.5°	1299.6	1292.3	1287.9	1282.6	1280.2	1276.4	1274.7	1271.0	1270.4	1267.3	1266.6
70°	1223.3	1216.2	1212.4	1207.5	1205.0	1199.9	1196.8	1190.5	1186.9	1181.1	1177.9
72.5°	1134.9	1130.9	1129.8	1126.5	1125.5	1122.7	1121.4	1117.0	1114.5	1109.6	1106.8
75°	1042.6	1039.3	1039.1	1035.7	1035.4	1032.0	1031.1	1026.5	1024.1	1019.1	1017.1
77.5°	932.7	927.8	926.4	922.5	923.4	921.8	923.2	919.6	918.1	913.2	911.6
80°	808.9	802.7	800.1	794.9	796.3	793.9	796.3	796.0	797.9	793.9	793.2
82.5°	662.2	655.4	654.1	650.5	652.9	653.2	658.4	655.6	656.7	653.0	654.6
85°	481.8	476.8	469.7	468.7	464.2	468.9	462.8	466.9	460.2	464.9	458.7
87.5°	298.8	288.3	282.8	275.3	272.4	265.2	262.3	257.0	258.6	256.2	257.6
90°	107.5	98.8	97.2	90.1	89.6	83.6	84.4	80.2	81.9	77.5	79.6
92.5°	23.6	24.5	26.1	28.1	29.5	31.2	32.8	34.8	36.2	38.2	39.6
95°	28.5	29.3	31.6	33.8	36.1	38.3	40.5	42.8	45.0	47.2	49.5
97.5°	35.1	35.6	37.8	40.1	42.3	44.5	46.7	49.2	51.4	53.7	55.9
100°	39.9	40.0	46.3	52.6	59.0	65.5	71.7	78.1	84.7	91.0	97.4
102.5°	70.4	72.0	88.0	104.1	120.1	136.1	152.2	168.4	184.5	200.7	216.8
105°	149.2	155.5	179.9	204.5	228.9	253.4	277.9	302.6	327.1	351.7	376.2
107.5°	271.9	283.3	305.6	327.7	349.7	372.0	394.4	416.5	438.7	461.0	483.5
110°	380.9	393.2	408.1	423.1	438.1	453.0	468.1	483.1	498.2	513.2	528.5



TEST NUMBER: P1444834
 CATALOG NUMBER: EHBR1-48-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	430.1	438.2	447.0	456.0	464.8	473.7	482.6	491.6	500.7	509.8	518.7
115°	429.6	433.6	437.0	440.9	444.4	448.2	451.8	455.9	459.9	463.7	467.6
117.5°	398.0	399.8	400.4	401.4	402.3	403.6	404.5	405.8	407.0	408.3	409.3
120°	350.8	350.7	350.6	350.6	350.5	350.6	350.8	350.9	351.2	351.4	351.6
122.5°	303.3	303.0	302.9	303.0	303.2	303.4	303.7	304.3	304.6	305.0	305.3
125°	262.4	262.2	263.4	264.6	265.9	267.3	268.5	270.3	271.7	273.2	274.7
127.5°	233.4	233.9	236.0	238.1	240.4	242.6	244.9	247.4	249.6	252.2	254.3
130°	216.7	217.9	220.3	223.1	225.6	228.4	231.1	234.1	236.6	239.4	242.1
132.5°	209.2	211.0	213.3	216.0	218.6	221.3	224.2	226.9	229.6	232.4	234.9
135°	207.6	209.6	211.9	214.5	217.0	219.7	222.1	224.9	227.2	229.8	232.3
137.5°	208.9	210.8	213.1	215.1	217.2	219.7	221.8	224.2	226.2	228.4	230.5
140°	213.2	215.1	216.5	218.4	219.9	221.6	223.0	224.9	226.2	228.2	229.5
142.5°	217.1	218.9	219.9	221.2	222.5	224.1	225.3	226.6	227.7	228.8	229.8
145°	221.8	223.3	224.0	224.8	225.6	226.3	226.9	227.8	228.3	228.9	229.5
147.5°	225.8	226.9	227.1	227.8	228.3	228.6	229.1	229.7	229.7	230.3	230.7
150°	228.6	229.5	229.5	229.8	229.8	230.1	230.1	230.5	230.5	230.8	230.8
152.5°	230.6	231.2	231.0	231.2	231.0	231.0	231.0	231.0	231.0	231.0	231.0
155°	231.5	231.8	231.6	231.7	231.5	231.5	231.3	231.7	231.6	231.7	231.8
157.5°	233.7	233.7	233.6	233.6	233.3	233.4	233.4	233.4	233.5	233.9	234.1
160°	236.5	236.5	236.3	236.3	236.2	236.1	236.1	236.3	236.4	236.9	237.1
162.5°	239.6	239.5	239.2	239.2	239.2	239.2	239.3	239.7	239.7	240.2	240.5
165°	244.3	244.4	244.0	244.1	244.0	243.9	244.0	244.1	244.5	244.7	245.0
167.5°	249.2	249.1	249.1	249.3	249.3	249.4	249.6	250.1	250.2	250.8	251.0
170°	254.9	255.0	254.8	254.8	254.8	254.9	254.9	255.0	255.3	255.5	255.5
172.5°	260.8	260.8	260.7	260.5	260.4	260.4	260.3	260.4	260.3	260.2	260.1
175°	265.3	265.2	265.1	265.1	265.1	264.8	264.8	264.4	264.3	264.3	264.2
177.5°	268.8	268.5	268.3	268.3	268.2	268.0	268.0	267.9	267.9	267.9	267.7
180°	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4



TEST NUMBER: P1444834
 CATALOG NUMBER: EHBR1-48-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9
2.5°	37993.0	37992.6	37988.9	37990.5	37991.3	37994.0	37997.3	38000.6	38001.4	38004.0	38004.5
5°	38277.3	38183.3	38113.8	38037.3	37979.8	37928.1	37893.7	37866.3	37855.6	37858.3	37864.7
7.5°	39048.3	38854.3	38694.2	38512.2	38360.4	38199.7	38066.5	37939.9	37847.5	37778.8	37740.3
10°	39894.4	39658.1	39432.0	39168.6	38918.7	38652.1	38410.5	38167.4	37964.6	37788.5	37659.2
12.5°	40269.8	40102.8	39907.4	39658.8	39391.5	39083.7	38773.0	38440.0	38130.2	37842.6	37610.7
15°	39872.3	39872.6	39801.4	39682.1	39496.5	39250.5	38954.5	38607.3	38241.8	37868.9	37528.2
17.5°	38610.4	38848.5	38980.9	39064.7	39039.0	38948.4	38760.0	38493.4	38152.7	37755.4	37339.7
20°	36443.4	37004.9	37405.3	37765.4	37967.2	38101.2	38087.8	37979.3	37736.7	37398.9	36965.9
22.5°	33407.6	34350.1	35094.0	35787.5	36273.9	36669.6	36857.7	36937.5	36827.6	36592.2	36185.7
25°	29720.4	31002.0	32095.7	33157.1	33953.3	34637.5	35048.7	35338.4	35361.4	35238.5	34875.8
27.5°	25623.3	27136.1	28520.3	29930.9	31050.5	32034.2	32679.6	33152.0	33302.0	33282.3	32952.9
30°	21531.4	23119.5	24645.3	26290.2	27675.6	28932.3	29784.9	30423.8	30670.0	30717.2	30400.3
32.5°	17667.1	19233.1	20754.6	22474.3	23998.9	25439.2	26446.5	27205.4	27491.6	27559.1	27211.6
35°	14160.0	15604.8	17050.7	18717.3	20233.2	21724.7	22786.0	23580.5	23847.9	23893.0	23490.6
37.5°	11118.6	12349.6	13609.6	15105.0	16497.0	17897.7	18906.2	19652.8	19847.6	19835.6	19380.2
40°	8557.8	9514.8	10527.2	11758.3	12915.7	14099.7	14951.3	15568.5	15670.8	15595.1	15116.8
42.5°	6435.1	7126.2	7860.2	8779.2	9637.9	10524.1	11143.6	11601.9	11616.4	11496.6	11067.3
45°	4794.1	5468.4	5776.2	6331.8	6885.0	7474.2	7852.6	8135.6	8091.8	7986.3	7660.1
47.5°	3654.7	3913.8	4188.7	4533.2	4855.4	5241.1	5474.5	5929.1	5601.7	5824.9	5333.5
50°	2902.2	3047.0	3195.1	3378.0	3546.3	3721.1	3830.3	3911.9	3901.3	3866.2	3772.1
52.5°	2469.0	2513.9	2586.7	2690.8	2784.7	2879.3	2941.5	2992.1	2993.0	2978.9	2931.2
55°	2063.6	2120.4	2172.9	2240.8	2356.6	2374.4	2463.6	2445.5	2452.5	2427.8	2453.1
57.5°	1819.4	1852.5	1882.0	1922.5	1955.9	1994.9	2017.9	2040.1	2038.1	2033.2	2008.9
60°	1646.4	1664.7	1681.1	1704.6	1723.1	1745.1	1755.7	1767.0	1763.3	1755.1	1733.5
62.5°	1513.1	1524.5	1533.9	1549.0	1560.2	1573.9	1579.5	1584.3	1579.5	1571.7	1552.6
65°	1381.4	1388.8	1394.8	1406.2	1414.1	1425.9	1430.5	1435.0	1430.6	1424.6	1410.0
67.5°	1262.8	1263.5	1262.9	1267.6	1270.0	1277.1	1279.1	1282.4	1277.4	1272.1	1259.8
70°	1172.8	1170.9	1168.7	1170.5	1170.9	1174.3	1174.9	1174.3	1168.3	1159.2	1145.7
72.5°	1102.4	1101.4	1099.7	1101.3	1101.3	1104.4	1103.3	1101.9	1094.3	1085.6	1072.3
75°	1012.0	1011.2	1007.9	1007.9	1005.2	1006.2	1002.5	1000.4	992.0	984.7	972.8
77.5°	906.1	904.4	899.5	897.6	892.2	890.0	883.1	879.7	871.2	865.2	855.1
80°	788.0	786.1	779.8	776.2	767.8	762.4	752.2	746.4	736.7	730.9	721.0
82.5°	651.3	652.1	645.6	641.3	629.1	619.8	606.2	598.9	588.1	582.5	572.3
85°	463.2	456.6	460.1	459.9	452.2	444.1	433.1	425.4	416.4	410.9	403.8
87.5°	254.1	255.6	253.8	252.3	246.9	242.8	234.1	229.7	223.0	219.8	214.4
90°	72.9	72.6	66.2	66.1	59.9	57.5	50.2	48.7	42.2	41.1	36.4
92.5°	37.7	35.9	34.2	32.0	30.5	28.6	26.6	24.8	22.9	22.0	21.7
95°	46.8	44.3	41.6	38.8	36.1	33.4	30.7	28.0	25.3	24.8	24.2
97.5°	52.8	49.6	46.4	43.4	40.2	37.0	33.9	30.7	27.5	27.1	26.7
100°	90.1	82.9	75.6	68.2	60.8	53.5	46.3	38.9	31.8	31.4	30.9
102.5°	198.9	181.2	163.5	145.8	128.2	110.3	92.6	74.7	57.0	54.4	51.9
105°	349.4	322.3	295.8	268.9	241.9	215.0	188.3	161.2	134.3	125.8	117.1
107.5°	458.4	433.0	408.1	382.9	357.6	332.5	307.3	281.9	256.7	241.5	226.4
110°	508.6	488.6	469.0	449.1	429.1	409.2	389.2	369.3	349.4	336.3	323.6



TEST NUMBER: P1444834
 CATALOG NUMBER: EHBR1-48-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	504.4	490.0	475.9	461.3	447.0	432.4	418.0	403.5	388.9	381.1	373.4
115°	459.3	450.8	442.4	434.0	425.6	417.1	408.6	399.9	391.2	387.4	383.5
117.5°	405.5	401.4	397.6	393.6	389.6	385.4	381.4	377.2	373.0	372.0	370.9
120°	351.3	350.6	349.6	348.9	348.2	347.4	346.5	345.5	344.5	345.3	346.0
122.5°	306.8	308.0	309.4	310.4	311.8	312.8	314.2	315.1	316.2	318.0	319.6
125°	276.9	278.9	281.2	283.2	285.2	287.2	289.5	291.2	293.4	295.0	296.9
127.5°	256.9	259.1	261.6	263.7	266.2	268.4	270.7	272.7	275.0	276.8	278.7
130°	244.5	246.5	248.8	250.9	253.0	255.2	257.2	259.5	261.5	263.2	265.0
132.5°	236.9	239.1	241.2	243.0	245.2	247.1	249.2	251.2	253.4	254.8	256.5
135°	234.2	235.7	237.6	239.2	241.1	242.6	244.5	246.3	248.3	249.6	251.2
137.5°	232.1	233.5	235.2	236.5	238.3	239.7	241.6	243.1	245.1	246.0	247.6
140°	231.0	232.4	233.9	235.4	237.0	238.4	240.5	242.0	243.9	245.1	246.4
142.5°	231.2	232.3	233.6	234.8	236.3	237.5	239.1	240.6	242.3	243.6	244.8
145°	230.8	232.0	233.4	234.6	235.9	237.3	239.2	240.7	242.5	243.5	244.8
147.5°	231.7	232.6	233.9	235.1	236.4	237.5	239.2	240.6	242.2	243.3	244.4
150°	231.9	232.8	233.9	235.0	236.3	237.6	239.2	240.6	242.5	243.5	244.6
152.5°	232.1	233.0	234.1	235.4	236.7	238.1	239.6	241.2	242.9	243.8	244.9
155°	232.9	233.7	235.1	236.3	237.7	238.8	240.4	241.8	243.3	244.5	245.4
157.5°	235.1	235.9	237.1	238.3	239.4	240.6	242.2	243.3	244.8	245.7	246.5
160°	238.0	238.9	240.0	241.2	242.2	243.4	244.7	245.8	247.0	247.9	248.7
162.5°	241.4	242.5	243.5	244.5	245.7	246.8	248.0	249.1	250.3	251.0	251.8
165°	245.9	246.7	247.6	248.4	249.3	250.0	251.1	251.9	253.0	253.6	254.5
167.5°	251.9	252.4	253.0	253.7	254.5	255.2	256.1	256.8	257.7	258.3	259.0
170°	256.1	256.7	257.1	257.7	258.4	259.0	259.6	260.2	261.1	261.6	262.2
172.5°	260.5	260.7	261.2	261.5	261.9	262.3	262.7	263.3	263.7	264.2	264.6
175°	264.6	264.6	264.9	265.0	265.1	265.3	265.7	266.0	266.2	266.5	266.7
177.5°	267.8	267.8	267.8	267.9	268.3	268.4	268.5	268.6	268.9	269.1	269.3
180°	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4



TEST NUMBER: P1444834
 CATALOG NUMBER: EHBR1-48-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9
2.5°	38003.3	38002.8	38001.6	37999.9	37998.2	37999.2	38000.9	38005.3	38012.9	38023.9	38038.3
5°	37869.9	37877.6	37882.0	37882.6	37878.7	37876.2	37880.0	37890.4	37911.5	37946.8	37994.6
7.5°	37730.0	37739.6	37754.3	37765.4	37767.4	37764.7	37765.4	37781.7	37820.6	37889.4	37985.9
10°	37580.6	37552.2	37567.2	37594.6	37616.4	37620.3	37623.0	37642.4	37699.2	37803.2	37958.2
12.5°	37442.7	37352.8	37335.4	37360.2	37393.3	37403.8	37400.9	37409.2	37475.8	37613.4	37829.5
15°	37261.3	37092.1	37034.3	37040.6	37081.5	37096.2	37085.5	37069.1	37133.9	37302.0	37581.7
17.5°	36967.6	36694.9	36588.6	36584.0	36631.7	36644.4	36618.1	36567.3	36631.2	36840.8	37188.0
20°	36521.2	36118.6	35918.5	35886.7	35938.6	35923.4	35871.1	35794.1	35878.0	36133.0	36545.9
22.5°	35718.6	35208.6	34866.6	34756.4	34818.5	34777.1	34700.6	34602.4	34714.0	35003.6	35463.5
25°	34407.3	33817.9	33349.8	33087.3	33136.8	33062.5	32979.3	32860.4	32993.3	33325.8	33832.0
27.5°	32479.8	31798.9	31219.0	30784.3	30800.2	30703.0	30607.2	30453.2	30619.2	31012.8	31583.7
30°	29916.6	29128.7	28422.5	27831.8	27779.0	27684.7	27586.5	27384.4	27592.2	28063.3	28730.5
32.5°	26697.8	25823.0	25007.0	24260.1	24119.2	24027.2	23939.8	23707.1	23979.2	24528.5	25294.9
35°	22933.4	22001.6	21116.9	20263.9	20030.4	19938.4	19861.9	19639.1	19978.6	20576.3	21404.1
37.5°	18801.5	17849.7	16971.2	16096.5	15766.7	15641.9	15586.3	15440.3	15832.0	16423.2	17254.4
40°	14559.8	13674.7	12887.2	12114.6	11738.5	11547.7	11518.5	11491.9	11870.6	12383.5	13138.0
42.5°	10591.6	9877.6	9270.3	8679.8	8339.1	8078.4	8078.2	8157.4	8498.2	8882.4	9464.2
45°	7326.6	6847.4	6460.5	6065.9	6171.3	5651.5	5956.9	5800.2	5968.7	6216.4	6594.7
47.5°	5036.3	4774.7	4562.2	4341.7	4181.0	4027.6	4041.0	4140.0	4298.6	4445.6	4642.5
50°	3670.6	3537.4	3429.1	3314.7	3234.7	3166.9	3170.9	3213.8	3297.1	3374.6	3477.6
52.5°	2876.2	2802.7	2743.9	2680.6	2638.6	2605.0	2606.8	2627.6	2672.7	2716.9	2775.9
55°	2370.7	2361.8	2285.3	2228.5	2206.9	2184.3	2188.4	2196.5	2227.3	2253.1	2292.2
57.5°	1986.5	1952.3	1929.3	1899.4	1885.7	1869.9	1873.4	1876.5	1897.0	1914.3	1942.5
60°	1715.4	1691.1	1674.8	1654.5	1645.5	1635.4	1637.6	1639.5	1652.6	1664.0	1684.1
62.5°	1535.3	1513.5	1499.3	1483.6	1477.3	1470.5	1472.1	1472.7	1480.9	1489.1	1504.4
65°	1397.0	1379.8	1368.0	1354.5	1347.8	1340.8	1341.5	1341.5	1348.5	1354.5	1366.0
67.5°	1250.9	1237.9	1230.2	1219.5	1215.1	1207.8	1207.7	1205.4	1209.9	1212.4	1220.1
70°	1133.6	1120.5	1110.7	1100.4	1094.8	1088.4	1088.5	1088.7	1093.9	1099.4	1109.5
72.5°	1061.1	1048.6	1039.9	1030.9	1025.6	1020.2	1019.1	1018.6	1022.4	1025.4	1032.0
75°	965.2	955.1	950.1	941.6	937.3	931.3	930.2	927.5	929.3	929.9	934.8
77.5°	848.7	839.2	835.1	826.6	823.0	816.1	815.6	812.4	813.8	812.9	816.7
80°	716.1	707.4	705.2	698.1	696.4	690.1	689.0	685.2	686.3	683.4	684.9
82.5°	567.9	560.0	558.3	551.8	551.8	546.0	545.8	540.0	540.0	535.0	527.1
85°	400.0	394.3	391.9	386.5	385.0	380.3	377.9	372.4	370.4	366.9	365.8
87.5°	211.1	207.5	204.2	201.7	196.9	188.7	187.9	182.1	182.6	178.5	178.8
90°	35.9	31.6	31.3	27.4	26.7	24.1	23.8	23.3	23.5	23.2	23.5
92.5°	21.1	20.4	19.8	19.2	18.5	18.0	17.3	18.0	18.5	19.2	19.8
95°	23.7	23.1	22.6	22.1	21.5	21.0	20.4	21.0	21.5	22.3	22.8
97.5°	26.5	26.1	25.7	25.3	25.1	24.7	24.3	24.9	25.2	25.5	25.9
100°	30.6	30.1	29.7	29.3	28.9	28.4	28.0	28.7	29.2	29.5	30.0
102.5°	49.4	46.8	44.3	41.6	39.0	36.5	33.9	36.5	39.0	41.8	44.4
105°	108.4	99.9	91.2	82.5	73.8	65.1	56.5	65.2	73.9	82.6	91.5
107.5°	211.0	196.0	180.7	165.6	150.1	134.9	119.6	135.1	150.4	165.7	181.0
110°	310.4	297.3	284.2	271.1	258.0	244.9	231.7	245.0	258.3	271.4	284.6



TEST NUMBER: P1444834
 CATALOG NUMBER: EHBR1-48-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	365.5	357.7	349.7	342.0	333.9	326.2	318.1	326.4	334.5	342.7	350.7
115°	379.6	375.5	371.7	367.7	363.4	359.4	355.1	359.9	364.2	368.6	372.8
117.5°	369.7	368.7	367.4	366.3	365.0	363.8	362.4	364.1	365.7	367.5	368.8
120°	346.4	347.2	347.8	348.2	348.8	349.2	349.5	349.7	349.7	349.7	349.6
122.5°	321.3	323.1	324.5	326.2	327.7	329.1	330.3	329.6	328.8	327.9	326.7
125°	298.6	300.6	302.2	304.0	305.5	307.2	308.3	307.9	307.1	306.1	304.9
127.5°	280.6	282.3	284.0	285.8	287.2	288.6	289.8	289.5	288.7	287.9	286.9
130°	266.5	268.4	269.7	271.3	272.6	273.7	274.6	274.6	274.1	273.8	273.0
132.5°	257.9	259.6	261.0	262.4	263.4	264.7	265.2	265.5	265.2	265.1	264.4
135°	252.6	253.9	255.2	256.7	257.5	258.4	259.0	259.5	259.4	259.4	258.8
137.5°	248.7	250.1	251.1	252.2	252.9	253.7	254.1	254.7	254.8	255.3	254.9
140°	247.6	249.0	250.1	251.1	252.1	252.9	253.3	254.0	254.2	254.2	254.0
142.5°	246.1	247.4	248.6	249.7	250.4	251.2	251.6	252.2	252.4	252.5	252.4
145°	246.0	247.0	248.1	249.2	249.8	250.4	250.6	251.5	251.6	251.9	251.9
147.5°	245.4	246.7	247.4	248.3	248.9	249.6	250.0	250.4	250.8	251.0	251.1
150°	245.8	246.9	247.7	248.7	249.5	250.1	250.3	251.0	251.2	251.4	251.3
152.5°	246.0	246.9	247.7	248.5	249.3	249.9	250.1	250.7	251.2	251.5	251.5
155°	246.3	247.3	248.1	248.9	249.5	250.2	250.8	251.4	251.8	252.1	252.4
157.5°	247.4	248.4	249.0	249.9	250.4	251.4	251.9	252.6	253.0	253.6	253.9
160°	249.4	250.4	251.0	251.8	252.6	253.2	253.8	254.5	255.1	255.5	256.1
162.5°	252.6	253.4	253.9	254.7	255.4	256.1	256.7	257.3	258.0	258.5	258.9
165°	255.3	256.0	256.7	257.5	258.2	259.0	259.6	260.1	260.5	261.0	261.3
167.5°	259.6	260.3	260.9	261.6	262.1	262.9	263.6	264.0	264.3	264.8	265.1
170°	262.7	263.4	263.9	264.4	265.1	265.7	266.1	266.4	266.8	267.1	267.5
172.5°	265.1	265.7	266.2	266.8	267.3	267.8	268.3	268.7	268.9	269.0	269.1
175°	267.1	267.7	267.9	268.3	268.7	269.1	269.5	269.4	269.8	269.7	269.9
177.5°	269.8	270.3	270.5	270.7	271.2	271.4	271.7	271.5	271.5	271.3	271.1
180°	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4



TEST NUMBER: P1444834
 CATALOG NUMBER: EHBR1-48-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9
2.5°	38058.7	38077.8	38106.9	38133.3	38173.1	38204.4	38251.4	38287.2	38340.3	38374.9	38432.6
5°	38062.1	38136.5	38234.5	38330.0	38444.9	38549.2	38678.8	38789.2	38919.4	39025.7	39158.9
7.5°	38115.9	38259.5	38431.6	38605.0	38801.2	38984.6	39191.3	39378.4	39582.9	39756.0	39945.0
10°	38155.6	38377.1	38630.8	38886.0	39154.5	39404.1	39656.1	39873.9	40077.3	40244.9	40392.8
12.5°	38101.8	38406.9	38732.3	39046.7	39345.3	39603.7	39820.5	39987.9	40103.5	40182.0	40200.3
15°	37918.8	38285.9	38639.8	38952.8	39200.7	39391.8	39490.8	39537.1	39487.4	39404.9	39223.4
17.5°	37577.0	37964.2	38280.6	38527.5	38658.4	38710.3	38628.4	38485.7	38207.1	37897.8	37451.0
20°	36950.2	37311.0	37540.5	37675.2	37640.2	37510.6	37201.1	36824.9	36268.5	35675.6	34893.1
22.5°	35850.9	36166.4	36288.6	36298.6	36084.8	35760.4	35202.1	34557.0	33679.3	32766.7	31644.6
25°	34200.8	34477.1	34496.4	34387.9	33996.6	33470.8	32651.2	31738.5	30545.8	29329.9	27923.7
27.5°	31963.0	32227.9	32163.1	31960.6	31417.3	30713.7	29664.3	28485.2	27014.8	25578.8	24023.2
30°	29149.8	29433.2	29357.0	29097.2	28451.2	27619.6	26384.8	25014.9	23382.3	21848.6	20272.2
32.5°	25783.3	26141.5	26089.0	25842.1	25167.8	24277.8	22938.1	21485.1	19814.9	18303.4	16770.0
35°	21956.8	22391.7	22414.3	22252.8	21626.9	20747.3	19424.3	18017.9	16418.1	14992.0	13575.5
37.5°	17834.2	18338.4	18442.0	18398.5	17879.8	17103.2	15897.8	14636.2	13218.9	11969.0	10757.5
40°	13688.8	14199.2	14376.3	14428.9	14046.0	13444.6	12455.3	11437.0	10281.5	9268.8	8306.8
42.5°	9908.3	10360.8	10532.0	10639.7	10400.7	9999.6	9278.0	8538.4	7692.0	6961.5	6261.2
45°	6881.6	7201.6	7331.8	7440.2	7310.1	7083.8	6628.0	6165.5	5606.7	5129.5	4677.5
47.5°	4811.3	4987.8	5073.7	5126.3	5075.9	4957.8	4709.8	4441.9	4126.5	3847.6	3579.4
50°	3566.2	3660.2	3705.2	3735.5	3698.7	3633.1	3499.0	3353.1	3179.9	3021.9	2867.4
52.5°	2826.1	2880.0	2906.7	2923.0	2902.0	2861.9	2783.8	2697.3	2593.4	2495.8	2444.5
55°	2380.8	2378.0	2439.8	2410.0	2439.8	2373.3	2359.2	2264.2	2177.9	2117.2	2051.5
57.5°	1963.4	1991.4	2003.2	2016.5	2008.0	1995.8	1962.6	1928.5	1883.0	1845.0	1804.4
60°	1699.6	1722.6	1735.7	1748.8	1748.0	1743.4	1724.2	1703.8	1675.4	1652.6	1628.1
62.5°	1517.8	1537.8	1550.6	1563.2	1564.3	1562.5	1547.9	1533.9	1514.5	1500.2	1483.3
65°	1374.8	1388.8	1397.6	1407.6	1407.1	1404.4	1391.2	1379.5	1363.6	1353.7	1341.2
67.5°	1225.2	1235.8	1242.5	1252.0	1253.9	1254.5	1247.2	1241.7	1234.0	1231.2	1226.9
70°	1118.8	1131.7	1142.6	1154.5	1161.0	1164.2	1161.0	1158.2	1153.7	1151.7	1148.4
72.5°	1038.2	1049.1	1057.6	1068.5	1074.6	1078.9	1076.5	1074.9	1071.0	1070.5	1068.2
75°	938.2	945.7	950.5	958.7	961.9	966.0	964.2	965.2	963.9	967.0	966.9
77.5°	817.9	823.5	825.7	831.6	832.2	837.2	838.3	844.1	848.2	857.2	862.1
80°	682.5	686.1	686.1	692.1	694.8	703.2	707.1	716.6	721.0	729.0	729.8
82.5°	530.2	526.1	530.2	527.7	535.4	544.7	546.0	554.0	555.9	561.0	557.0
85°	362.5	362.2	359.0	359.5	357.1	358.2	356.8	358.4	356.9	357.1	353.5
87.5°	173.7	175.2	171.4	172.7	169.0	170.7	167.4	170.0	166.2	166.8	161.1
90°	23.4	23.6	23.6	23.9	24.6	25.4	26.6	27.5	29.1	29.9	31.2
92.5°	20.4	21.2	21.9	22.5	23.1	25.0	26.8	28.8	30.7	32.5	34.4
95°	23.3	23.9	24.4	25.2	25.8	28.5	31.2	33.9	36.6	39.4	42.1
97.5°	26.6	26.9	27.2	27.6	28.0	31.2	34.5	37.6	40.8	44.1	47.1
100°	30.5	30.9	31.3	32.0	32.3	39.7	47.0	54.4	61.8	69.0	76.4
102.5°	47.0	49.7	52.3	55.1	57.7	75.6	93.4	111.2	128.8	146.7	164.5
105°	100.2	108.8	117.9	126.5	135.2	162.2	189.3	216.3	243.1	270.0	297.0
107.5°	196.4	211.7	227.2	242.5	257.8	283.2	308.5	333.8	359.2	384.6	409.6
110°	298.1	311.1	324.5	337.7	351.0	370.9	391.1	411.0	431.2	451.2	471.1



TEST NUMBER: P1444834
 CATALOG NUMBER: EHBR1-48-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	358.8	366.8	374.9	382.6	390.7	405.4	420.2	434.7	449.5	463.8	478.4
115°	377.1	380.9	385.3	389.3	393.6	402.4	410.9	419.7	428.5	436.9	445.7
117.5°	370.4	371.8	373.3	374.3	375.7	380.1	384.4	388.6	393.0	397.3	401.4
120°	349.5	349.1	348.8	348.2	348.0	348.8	350.1	351.1	352.3	353.1	354.0
122.5°	325.8	324.3	323.1	321.7	320.3	319.2	318.3	317.2	316.5	315.4	314.3
125°	303.8	302.2	300.9	299.3	297.8	296.0	294.3	292.3	290.4	288.5	286.7
127.5°	286.0	284.5	283.3	281.7	280.2	278.0	276.0	273.9	271.9	269.7	267.7
130°	272.2	271.0	270.1	268.4	267.4	265.2	263.5	261.4	259.4	257.5	255.5
132.5°	263.8	262.9	262.0	260.6	259.6	257.7	256.1	254.0	252.2	250.2	248.6
135°	258.4	257.6	257.0	256.0	255.1	253.2	251.8	250.1	248.6	247.1	245.5
137.5°	254.8	254.1	253.6	252.8	252.1	250.5	249.3	247.7	246.5	244.9	243.7
140°	253.8	253.3	252.8	252.1	251.4	250.0	248.7	247.1	245.8	244.3	243.0
142.5°	252.0	251.6	251.2	250.5	250.0	248.6	247.7	246.5	245.3	244.2	243.1
145°	251.6	251.3	251.2	250.5	250.2	248.9	247.9	246.5	245.6	244.3	243.3
147.5°	251.2	250.8	250.7	250.4	250.3	249.1	248.5	247.4	246.7	245.5	244.8
150°	251.4	251.4	251.2	250.9	250.7	249.8	249.1	248.2	247.5	246.5	246.0
152.5°	251.6	251.7	251.7	251.7	251.8	251.1	250.4	249.6	248.8	248.0	247.4
155°	252.7	252.8	252.9	252.9	252.9	252.4	251.8	251.1	250.5	249.9	249.3
157.5°	254.2	254.4	254.7	254.9	255.0	254.5	254.1	253.5	253.0	252.5	252.0
160°	256.4	256.8	257.0	257.2	257.5	257.1	256.9	256.3	256.1	255.5	254.8
162.5°	259.4	259.7	260.0	260.2	260.5	260.1	259.9	259.6	259.1	258.4	258.0
165°	261.8	261.9	262.3	262.4	262.5	262.3	262.1	261.8	261.5	261.2	261.0
167.5°	265.4	265.4	265.9	266.0	266.2	266.0	266.2	265.8	265.6	265.4	265.2
170°	267.8	267.9	268.1	268.2	268.4	268.2	268.1	267.9	268.0	267.5	267.3
172.5°	269.2	269.3	269.4	269.6	269.5	269.4	269.4	269.3	269.2	269.2	269.0
175°	269.9	269.9	270.0	270.1	270.0	270.1	270.1	270.1	270.0	270.0	269.9
177.5°	271.2	271.2	270.9	270.8	270.8	270.7	270.7	270.7	270.9	270.8	270.7
180°	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4



TEST NUMBER: P1444834
 CATALOG NUMBER: EHBR1-48-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9
2.5°	38468.4	38230.8	38199.4	38216.1	38255.8	38270.5	38313.4	38325.1	38368.1	38378.8	38420.1
5°	39262.2	38948.1	38963.8	39039.3	39153.6	39221.7	39334.1	39392.9	39500.1	39548.8	39645.8
7.5°	40099.1	39852.5	39929.4	40056.8	40213.0	40321.2	40456.2	40544.1	40660.5	40732.7	40825.7
10°	40510.1	40442.5	40527.1	40627.4	40716.5	40786.3	40843.5	40889.4	40919.3	40947.4	40959.7
12.5°	40197.3	40301.9	40316.3	40306.6	40247.5	40202.5	40101.1	40032.3	39910.0	39835.6	39690.2
15°	39038.0	39267.9	39140.6	38947.8	38665.8	38430.7	38098.5	37851.3	37505.4	37270.9	36923.8
17.5°	37003.4	37293.6	36961.8	36515.8	35948.5	35463.0	34858.6	34378.8	33777.8	33340.8	32779.9
20°	34139.0	34410.2	33818.5	33079.2	32201.5	31462.9	30591.8	29896.8	29087.4	28485.2	27758.6
22.5°	30572.7	30765.9	29932.3	28935.6	27817.4	26894.6	25853.2	25019.9	24096.2	23407.8	22633.0
25°	26627.3	26679.3	25679.4	24531.2	23284.9	22247.8	21135.9	20259.9	19317.8	18620.1	17859.6
27.5°	22645.0	22568.6	21487.8	20270.2	18959.3	17881.4	16796.8	15976.0	15150.9	14522.4	13867.3
30°	18886.3	18701.2	17579.0	16327.6	15055.0	14088.9	13188.6	12529.3	11872.9	11374.4	10848.5
32.5°	15439.5	15178.4	14086.0	12913.5	11841.3	11095.7	10428.1	9929.3	9399.2	8978.1	8536.8
35°	12386.6	12108.3	11140.6	10146.6	9335.1	8785.5	8260.8	7851.5	7401.5	7046.2	6662.9
37.5°	9766.5	9538.4	8727.8	7945.6	7331.8	6905.9	6476.0	6141.5	5769.6	5613.3	5203.7
40°	7539.7	7380.3	6746.5	6169.9	5708.9	5508.8	5072.4	4760.1	4482.1	4252.9	4030.9
42.5°	5881.1	5824.6	5207.8	4758.2	4433.6	4181.5	3938.3	3740.8	3548.6	3390.7	3241.5
45°	4315.8	4271.2	3997.3	3737.8	3516.6	3340.4	3176.1	3040.2	2914.6	2810.5	2715.7
47.5°	3360.7	3346.5	3188.7	3027.8	2888.5	2775.3	2668.6	2578.4	2495.0	2425.5	2402.9
50°	2733.4	2731.6	2639.1	2539.7	2440.5	2375.0	2306.9	2253.7	2200.1	2158.4	2114.4
52.5°	2322.5	2312.4	2250.0	2188.7	2129.7	2086.8	2043.3	2009.2	1973.7	1948.0	1920.6
55°	1999.5	2010.0	1973.9	1937.3	1900.4	1873.7	1843.2	1820.7	1796.4	1780.1	1763.6
57.5°	1775.1	1789.0	1770.1	1749.4	1726.9	1709.3	1688.2	1672.8	1656.5	1646.1	1636.5
60°	1611.8	1627.1	1619.5	1609.0	1595.2	1584.7	1571.3	1562.6	1552.2	1546.4	1541.0
62.5°	1473.3	1492.4	1489.7	1484.8	1475.9	1470.0	1462.8	1459.0	1452.0	1449.5	1446.9
65°	1335.1	1356.6	1356.2	1353.8	1348.8	1347.2	1342.6	1341.8	1338.2	1339.6	1339.3
67.5°	1226.4	1245.1	1249.2	1252.2	1252.0	1253.2	1252.8	1254.6	1254.6	1257.3	1258.9
70°	1148.1	1161.0	1164.2	1167.3	1168.1	1170.6	1170.6	1172.2	1171.7	1174.1	1174.3
72.5°	1068.8	1085.8	1089.0	1091.5	1091.5	1093.9	1092.6	1092.3	1088.8	1088.2	1085.7
75°	970.1	992.0	996.9	999.9	1000.4	1002.5	999.5	997.7	992.0	989.8	985.8
77.5°	867.1	889.8	893.3	894.4	892.5	893.0	886.7	882.5	875.3	872.3	868.5
80°	733.0	766.5	769.2	767.0	761.8	761.0	754.9	750.9	742.3	739.4	736.1
82.5°	557.8	597.1	602.6	605.0	600.7	601.7	595.9	593.6	585.7	584.3	579.1
85°	352.2	391.5	397.9	397.0	392.7	391.8	388.3	389.4	388.8	390.9	392.0
87.5°	161.8	199.8	209.0	206.1	205.6	202.9	196.9	199.1	202.8	205.1	205.3
90°	32.2	44.9	45.7	45.8	42.3	41.9	38.7	39.0	36.3	36.5	34.0
92.5°	36.3	38.2	40.1	38.4	36.7	35.0	33.4	31.5	30.0	28.1	26.6
95°	44.8	47.2	49.9	47.7	45.3	43.0	40.8	38.7	36.4	34.2	32.0
97.5°	50.3	53.3	56.3	54.0	51.8	49.5	47.2	45.1	42.9	40.4	38.2
100°	83.8	90.6	97.7	91.4	85.0	78.6	72.3	65.9	59.5	53.2	46.8
102.5°	182.1	199.7	217.3	201.0	185.0	168.8	152.8	136.8	120.7	104.4	88.5
105°	323.7	350.2	376.9	352.1	327.6	303.0	278.5	254.0	229.5	204.8	180.4
107.5°	434.9	459.2	484.1	461.7	439.5	417.2	394.8	372.6	350.3	327.9	305.9
110°	491.0	509.7	529.4	514.1	499.1	483.8	468.8	453.5	438.5	423.6	408.6



TEST NUMBER: P1444834
 CATALOG NUMBER: EHBR1-48-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	492.8	505.7	519.8	510.4	501.5	492.5	483.4	474.3	465.5	456.4	447.7
115°	454.1	460.7	468.7	464.6	460.8	456.9	452.9	449.1	445.2	441.4	437.9
117.5°	405.5	407.3	410.9	409.5	408.3	406.9	405.7	404.5	403.5	402.5	401.4
120°	355.0	353.3	353.5	353.0	352.9	352.4	352.3	352.0	351.9	351.7	351.7
122.5°	313.2	309.3	307.3	306.9	306.4	305.9	305.6	305.1	304.8	304.6	304.5
125°	284.7	279.6	276.7	275.2	273.8	272.2	270.6	269.2	267.8	266.5	265.1
127.5°	265.4	259.9	256.9	254.6	252.3	249.8	247.4	245.0	242.9	240.4	238.3
130°	253.6	247.9	244.9	242.1	239.6	236.6	234.1	231.4	228.6	225.9	223.3
132.5°	246.5	240.7	237.9	235.3	232.9	230.1	227.6	224.7	222.1	219.2	216.8
135°	243.8	238.1	235.6	233.0	230.9	228.3	225.7	223.2	220.9	218.1	216.0
137.5°	242.1	236.4	234.0	231.9	230.0	227.8	225.9	223.7	221.5	219.1	217.3
140°	241.5	235.4	233.2	231.8	230.5	228.8	227.4	225.9	224.4	222.9	221.4
142.5°	241.9	235.9	233.7	232.6	231.8	230.5	229.7	228.5	227.5	226.0	225.0
145°	242.1	235.6	233.5	232.7	232.4	231.8	231.3	230.7	230.2	229.5	228.9
147.5°	243.6	236.9	234.6	234.4	234.1	233.7	233.7	233.1	233.0	232.6	232.4
150°	244.8	237.1	234.6	234.6	234.4	234.4	234.4	234.2	234.4	234.2	234.2
152.5°	246.3	237.1	234.2	234.2	234.5	234.3	234.5	234.6	234.9	235.1	235.1
155°	248.3	238.3	235.1	234.8	234.8	234.8	234.8	235.0	235.1	235.2	235.4
157.5°	251.1	240.5	237.3	236.8	236.7	236.6	236.6	236.6	236.7	236.8	237.1
160°	254.3	243.5	240.4	239.9	239.7	239.5	239.3	239.2	239.2	239.3	239.5
162.5°	257.3	246.8	243.7	243.3	242.9	242.7	242.6	242.2	242.3	242.2	242.4
165°	260.4	251.1	248.1	247.6	247.5	247.2	247.1	246.9	247.0	246.9	247.1
167.5°	264.7	256.3	254.0	253.5	253.1	252.7	252.7	252.1	252.1	251.8	251.8
170°	266.9	260.3	258.3	258.1	258.2	257.9	257.7	257.7	257.6	257.3	257.4
172.5°	268.8	263.9	262.4	262.4	262.5	262.5	262.7	262.6	262.8	262.9	263.1
175°	269.8	267.0	266.4	266.2	266.2	266.3	266.4	266.4	266.5	266.5	266.8
177.5°	270.9	270.1	269.7	269.7	269.7	269.7	269.7	269.7	269.7	269.9	269.9
180°	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4



TEST NUMBER: P1444834
 CATALOG NUMBER: EHBR1-48-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9
2.5°	38428.0	38472.8	38469.3	38511.2	38509.1	38548.5	38540.6	38574.6	38566.9	38595.9	38578.9
5°	39688.5	39773.7	39801.8	39878.7	39894.6	39963.5	39964.9	40019.6	40013.0	40055.7	40033.0
7.5°	40880.9	40960.4	40998.2	41057.9	41087.8	41137.2	41156.6	41197.3	41207.1	41231.1	41230.3
10°	40981.5	40981.2	40999.9	40991.6	41008.2	40998.6	41019.0	41011.6	41041.7	41034.0	41056.7
12.5°	39627.5	39493.0	39444.0	39323.3	39296.9	39193.3	39200.7	39134.2	39166.3	39125.5	39195.0
15°	36717.4	36405.6	36251.5	35980.5	35895.5	35681.2	35663.9	35521.5	35560.0	35485.5	35594.4
17.5°	32417.0	31926.2	31656.9	31261.1	31103.9	30800.9	30740.2	30557.0	30585.5	30493.1	30624.6
20°	27289.9	26696.8	26357.0	25899.4	25695.2	25334.0	25238.1	25033.2	25058.9	24967.1	25115.8
22.5°	22104.2	21483.4	21099.9	20620.1	20359.4	20019.7	19917.7	19711.9	19723.6	19637.4	19780.4
25°	17338.8	16743.6	16371.3	15935.5	15709.3	15397.9	15290.7	15105.9	15116.3	15045.2	15173.6
27.5°	13412.8	12924.4	12613.0	12247.7	12044.9	11788.9	11684.4	11528.9	11528.6	11476.4	11583.6
30°	10481.4	10073.9	9794.2	9476.1	9285.6	9054.6	8953.7	8814.6	8808.5	8771.5	8856.7
32.5°	8206.7	7844.2	7589.1	7309.2	7138.2	6939.9	6844.4	6732.6	6722.5	6688.9	6758.9
35°	6379.6	6074.4	5855.0	5619.3	5636.7	5344.2	5392.8	5165.6	5104.0	5090.5	5142.6
37.5°	4930.7	4694.3	4516.2	4339.6	4220.1	4096.4	4029.8	3970.1	3963.3	3957.5	3994.0
40°	3859.4	3694.0	3564.4	3443.3	3361.0	3285.5	3243.9	3211.1	3203.3	3198.9	3221.0
42.5°	3123.6	3012.0	2928.4	2854.6	2804.5	2763.5	2740.6	2722.5	2716.3	2716.5	2729.4
45°	2639.1	2571.3	2517.5	2471.6	2439.6	2453.7	2412.4	2434.0	2405.4	2434.9	2415.5
47.5°	2324.1	2266.4	2233.1	2200.5	2181.2	2165.6	2166.2	2166.4	2172.6	2173.5	2179.9
50°	2081.0	2047.7	2024.5	2003.7	1993.6	1985.4	1988.3	1990.4	1996.3	1996.8	2001.5
52.5°	1901.1	1879.2	1865.2	1852.3	1847.8	1843.2	1845.1	1844.3	1847.0	1845.6	1849.4
55°	1754.7	1744.4	1740.0	1735.2	1735.9	1734.6	1735.5	1730.8	1728.0	1724.5	1727.7
57.5°	1634.6	1633.2	1636.2	1638.1	1643.6	1645.6	1646.9	1641.5	1636.4	1631.8	1634.5
60°	1542.1	1544.3	1551.7	1557.5	1565.4	1569.2	1571.4	1568.3	1564.6	1560.8	1563.1
62.5°	1450.8	1454.3	1463.1	1469.7	1479.3	1484.2	1489.7	1490.0	1491.5	1490.0	1491.6
65°	1344.7	1349.1	1357.0	1362.5	1371.5	1375.9	1381.4	1382.5	1385.5	1384.9	1387.6
67.5°	1264.1	1268.2	1274.8	1280.0	1287.9	1292.5	1297.4	1297.7	1298.8	1298.5	1301.0
70°	1178.3	1180.2	1186.2	1190.5	1198.5	1203.1	1208.8	1210.5	1214.0	1214.6	1217.4
72.5°	1086.7	1085.8	1089.4	1091.3	1097.3	1101.0	1108.2	1112.1	1118.1	1119.7	1121.8
75°	986.9	986.1	990.3	992.0	997.1	1000.8	1008.9	1014.1	1023.2	1027.0	1026.1
77.5°	871.5	873.4	881.3	885.7	892.5	897.2	907.7	916.0	932.9	940.1	932.7
80°	742.3	744.5	752.7	756.8	765.6	771.3	783.0	792.7	807.9	811.2	806.9
82.5°	583.6	584.2	591.5	594.7	606.2	614.6	629.4	637.2	646.5	645.1	644.0
85°	397.9	403.3	412.5	421.7	435.8	449.3	463.4	475.0	466.8	479.6	465.2
87.5°	212.7	212.1	224.5	222.6	242.3	253.8	266.0	271.8	278.3	277.0	277.1
90°	34.7	32.6	33.7	31.4	33.4	30.8	33.8	31.6	35.3	32.1	37.5
92.5°	24.8	24.0	23.0	22.3	21.1	20.5	19.4	18.4	17.6	16.7	17.6
95°	29.7	28.9	28.0	27.1	26.3	25.5	24.7	23.9	23.0	22.2	23.2
97.5°	36.0	35.5	35.0	34.5	34.0	33.5	33.1	32.5	32.0	31.5	32.1
100°	40.4	40.4	40.4	40.4	40.2	40.2	40.2	40.2	40.2	40.2	40.7
102.5°	72.3	70.7	69.1	67.4	65.8	64.1	62.5	60.9	59.3	57.8	60.1
105°	155.8	149.5	143.2	136.9	130.4	124.2	117.9	111.6	105.4	99.1	105.6
107.5°	283.8	272.2	260.7	249.3	237.8	226.3	214.9	203.6	192.1	180.7	191.0
110°	393.6	381.4	369.1	357.0	344.8	332.6	320.5	308.4	296.3	284.2	293.8



TEST NUMBER: P1444834
 CATALOG NUMBER: EHBR1-48-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	438.9	430.6	422.7	414.8	406.8	399.0	391.1	383.3	375.5	367.7	372.5
115°	434.1	430.1	426.2	422.4	418.6	414.6	410.9	407.1	403.5	399.8	400.0
117.5°	400.4	398.8	397.4	395.9	394.5	393.2	391.9	390.6	389.3	388.3	385.7
120°	351.8	351.7	351.6	351.9	352.1	352.4	352.4	353.0	353.5	353.9	350.4
122.5°	304.3	304.6	305.0	305.7	306.3	307.1	307.8	308.9	310.0	311.0	307.4
125°	263.7	264.1	264.4	265.0	265.2	266.2	266.9	268.0	268.9	270.1	267.1
127.5°	236.2	235.8	235.2	235.2	235.1	235.2	235.4	235.8	236.3	236.9	235.1
130°	220.6	219.6	218.5	217.6	216.6	216.1	215.8	215.3	215.1	215.0	214.4
132.5°	214.1	212.6	211.0	209.6	208.3	207.4	206.3	205.7	205.0	204.6	204.4
135°	213.3	211.4	209.6	207.9	206.3	205.2	203.8	202.9	202.0	201.2	201.8
137.5°	215.0	213.3	211.4	209.9	208.2	207.1	205.6	204.7	203.8	203.1	203.8
140°	219.8	218.0	216.1	214.7	213.3	211.9	210.7	209.9	208.7	208.3	208.7
142.5°	223.8	222.5	220.7	219.3	217.9	216.9	215.9	215.0	214.0	213.6	214.0
145°	228.2	227.0	225.7	224.6	223.7	223.0	221.9	221.5	221.0	220.8	221.1
147.5°	231.8	231.1	230.0	229.4	228.3	228.0	227.2	226.9	226.5	226.4	226.6
150°	234.1	233.7	233.0	232.5	232.0	231.7	231.3	231.1	230.9	230.9	231.0
152.5°	235.3	235.1	234.4	234.1	233.7	233.6	233.3	233.4	233.2	233.2	233.3
155°	235.6	235.4	235.3	235.3	235.2	235.4	235.3	235.6	235.6	235.9	236.0
157.5°	237.2	237.4	237.4	237.7	237.8	238.0	238.1	238.6	238.7	239.2	239.4
160°	239.9	240.1	240.1	240.4	240.5	240.6	240.9	241.2	241.5	241.8	242.1
162.5°	242.5	242.9	243.1	243.3	243.7	244.0	244.5	245.0	245.3	245.9	246.3
165°	247.2	247.3	247.3	247.4	247.7	247.9	248.1	248.7	248.9	249.4	249.9
167.5°	251.7	251.9	251.9	252.0	252.3	252.7	252.8	253.3	253.7	254.3	254.7
170°	257.2	257.2	257.2	257.2	257.2	257.5	257.7	257.8	258.0	258.3	258.6
172.5°	263.0	263.0	262.7	263.0	262.7	263.0	263.0	263.2	263.2	263.4	263.5
175°	266.6	267.0	267.1	267.3	267.2	267.3	267.4	267.4	267.5	267.8	267.8
177.5°	269.9	270.0	270.0	270.0	270.0	270.2	270.2	270.2	270.2	270.0	270.1
180°	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4



TEST NUMBER: P1444834
 CATALOG NUMBER: EHBR1-48-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9
2.5°	38607.3	38587.9	38607.7	38587.6	38607.7	38583.6	38599.9	38573.9	38580.6	38553.5	38560.5
5°	40067.1	40036.3	40052.7	40012.7	40016.9	39963.5	39962.5	39900.3	39883.9	39813.1	39782.0
7.5°	41247.5	41237.4	41243.1	41217.3	41214.4	41177.9	41160.6	41109.1	41076.7	41011.6	40967.1
10°	41060.6	41090.7	41098.5	41129.2	41135.5	41165.9	41172.3	41202.7	41209.0	41231.5	41231.7
12.5°	39191.7	39293.9	39318.3	39444.6	39497.7	39642.1	39719.6	39878.7	39973.2	40131.9	40229.4
15°	35591.4	35768.1	35838.6	36085.1	36221.4	36509.1	36690.0	37020.3	37253.5	37604.4	37854.6
17.5°	30636.1	30883.2	30994.7	31328.9	31546.9	31971.6	32277.7	32781.4	33167.1	33727.0	34170.7
20°	25141.2	25415.8	25567.1	25948.4	26205.7	26701.9	27084.0	27703.0	28219.3	28928.7	29535.3
22.5°	19825.2	20086.6	20254.5	20642.5	20932.1	21449.6	21876.7	22530.1	23108.5	23907.9	24635.3
25°	15222.1	15461.5	15613.4	15964.2	16236.3	16711.8	17119.6	17748.0	18314.0	19115.9	19861.7
27.5°	11637.1	11837.6	11984.0	12283.2	12523.1	12926.4	13276.7	13796.1	14283.7	14977.4	15641.6
30°	8909.1	9086.9	9229.3	9489.9	9712.4	10062.0	10370.1	10806.3	11209.8	11761.8	12290.3
32.5°	6808.1	6961.2	7088.1	7316.1	7517.9	7832.7	8110.3	8492.7	8839.1	9307.2	9741.9
35°	5190.8	5492.1	5470.7	5785.2	5835.8	6061.8	6309.4	6643.8	6950.5	7348.6	7718.6
37.5°	4029.0	4113.7	4204.3	4343.4	4489.5	4695.1	4904.3	5312.8	5462.6	5763.5	6069.8
40°	3248.9	3306.2	3366.1	3460.0	3562.4	3707.2	3859.5	4054.4	4254.1	4498.0	4747.2
42.5°	2746.7	2779.1	2817.2	2872.4	2935.5	3027.4	3129.3	3261.4	3400.3	3572.0	3747.3
45°	2454.0	2438.7	2449.9	2479.7	2517.7	2573.5	2637.8	2719.6	2810.0	2921.3	3039.7
47.5°	2181.2	2187.4	2190.8	2206.9	2227.3	2264.7	2303.7	2359.2	2466.5	2499.1	2563.7
50°	2001.0	2004.0	2002.9	2011.1	2021.5	2045.8	2071.1	2108.7	2146.2	2196.0	2243.5
52.5°	1850.0	1854.2	1853.6	1859.0	1864.5	1879.9	1895.9	1922.5	1947.0	1978.7	2005.9
55°	1730.7	1736.5	1738.7	1743.3	1745.9	1754.0	1760.3	1773.1	1783.5	1801.4	1818.0
57.5°	1639.0	1646.9	1650.5	1652.1	1648.8	1648.5	1646.3	1649.0	1651.2	1660.8	1670.1
60°	1566.7	1573.1	1574.1	1573.1	1567.2	1562.9	1556.1	1554.0	1552.9	1557.5	1562.6
62.5°	1491.2	1493.4	1491.8	1490.0	1483.3	1479.2	1472.1	1469.5	1467.2	1470.4	1473.0
65°	1386.6	1388.5	1386.6	1385.5	1379.4	1376.1	1370.2	1368.2	1364.8	1365.7	1365.0
67.5°	1301.6	1303.7	1302.1	1300.5	1296.3	1294.3	1290.0	1287.1	1283.0	1281.5	1278.6
70°	1217.0	1218.6	1216.2	1214.6	1209.8	1208.0	1203.9	1203.0	1199.8	1199.0	1195.8
72.5°	1119.7	1119.7	1116.4	1115.4	1111.8	1111.7	1110.1	1111.5	1111.5	1113.1	1112.4
75°	1020.0	1018.6	1014.4	1013.6	1010.9	1012.2	1010.4	1012.8	1013.1	1016.8	1017.2
77.5°	920.3	915.0	907.0	903.1	897.7	897.1	893.9	896.1	895.4	899.6	901.3
80°	794.2	787.8	777.6	772.5	766.2	765.3	762.4	765.3	763.8	768.8	772.2
82.5°	634.1	628.6	617.9	613.9	606.5	607.2	604.1	607.2	606.8	614.1	618.4
85°	469.0	465.4	454.4	444.6	433.7	427.3	421.1	420.0	418.1	421.1	423.6
87.5°	270.9	267.5	258.9	253.2	234.1	235.0	227.5	227.1	225.3	223.6	227.5
90°	35.5	39.9	38.2	42.1	41.0	45.6	44.9	49.3	47.6	51.7	50.9
92.5°	18.4	19.4	20.3	21.1	22.1	23.0	23.9	24.8	26.7	28.4	30.7
95°	24.2	25.3	26.4	27.4	28.4	29.5	30.6	31.6	34.5	37.3	40.2
97.5°	33.0	33.5	34.3	34.9	35.7	36.3	37.1	37.7	40.9	44.0	47.0
100°	41.3	41.8	42.4	42.9	43.5	44.1	44.6	45.2	51.3	57.3	63.2
102.5°	62.5	64.8	67.2	69.6	72.1	74.4	76.9	79.2	93.0	106.5	120.1
105°	112.1	118.5	125.2	131.6	138.2	144.6	151.2	157.6	179.5	201.2	223.1
107.5°	201.1	211.4	221.6	232.0	242.2	252.6	262.7	273.2	294.4	315.8	337.1
110°	303.6	313.5	323.3	333.1	342.8	352.7	362.6	372.6	385.5	398.4	411.3



TEST NUMBER: P1444834
 CATALOG NUMBER: EHBR1-48-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	377.3	382.0	386.9	391.8	396.7	401.6	406.6	411.6	418.2	424.7	431.5
115°	400.4	400.7	401.3	401.6	402.2	402.6	403.4	404.0	406.4	408.7	411.2
117.5°	383.1	380.7	378.2	375.7	373.3	371.3	369.0	367.0	367.0	367.0	367.3
120°	347.3	343.9	340.6	337.2	334.2	331.0	328.2	325.3	324.2	323.2	322.2
122.5°	304.2	300.9	297.8	294.6	291.6	288.8	286.1	283.4	282.8	282.5	282.1
125°	264.4	261.8	259.3	256.8	254.6	252.5	250.5	248.5	249.2	250.0	251.0
127.5°	233.6	232.2	230.9	229.6	228.7	227.7	226.9	226.1	227.9	229.7	231.4
130°	214.0	213.6	213.5	213.3	213.6	213.6	214.0	214.2	216.6	218.8	221.3
132.5°	204.9	205.1	205.7	206.3	207.1	207.9	209.1	210.0	212.6	214.9	217.6
135°	202.3	202.9	203.9	204.8	206.2	207.3	208.7	209.9	212.6	214.8	217.4
137.5°	204.6	205.3	206.4	207.5	209.0	210.2	211.9	213.2	215.3	217.4	219.5
140°	209.4	210.1	211.1	212.1	213.3	214.5	216.0	217.1	219.2	220.7	222.5
142.5°	214.9	215.3	216.3	217.3	218.5	219.4	220.7	221.6	223.2	224.4	226.3
145°	221.6	222.1	223.0	223.6	224.6	225.6	226.5	227.4	228.6	229.7	230.8
147.5°	227.1	227.5	228.3	229.0	229.8	230.5	231.2	231.9	233.0	233.8	234.7
150°	231.4	231.8	232.3	232.6	233.4	234.1	234.9	235.3	236.1	236.7	237.7
152.5°	233.8	234.1	234.6	235.0	235.5	236.1	236.6	237.2	238.0	238.5	239.2
155°	236.5	237.0	237.6	238.0	238.7	239.0	239.7	240.1	240.8	241.4	242.1
157.5°	240.0	240.3	241.0	241.3	242.0	242.4	243.0	243.4	244.1	244.6	245.1
160°	242.8	243.4	243.9	244.6	245.2	245.7	246.3	247.0	247.5	248.0	248.6
162.5°	246.9	247.4	248.0	248.4	248.9	249.5	250.0	250.5	251.4	251.7	252.4
165°	250.5	251.0	251.7	252.1	252.9	253.5	254.1	254.7	255.1	255.6	256.1
167.5°	255.3	255.6	256.5	256.9	257.5	258.1	258.6	259.1	259.6	259.9	260.5
170°	259.1	259.6	260.1	260.6	261.1	261.4	262.1	262.4	263.1	263.5	264.0
172.5°	263.8	264.1	264.5	264.7	265.1	265.5	265.9	266.1	266.6	267.0	267.3
175°	267.8	267.8	267.8	268.0	268.1	268.1	268.3	268.6	268.7	268.9	269.0
177.5°	270.2	270.2	270.3	270.4	270.5	270.5	270.5	270.6	270.6	270.6	270.6
180°	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4



TEST NUMBER: P1444834
 CATALOG NUMBER: EHBR1-48-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9
2.5°	38533.5	38535.2	38504.1	38502.4	38473.3	38469.6	38441.2	38432.6	38409.6	38401.2	38377.7
5°	39702.6	39664.7	39577.2	39525.8	39439.4	39382.1	39288.5	39227.5	39137.2	39069.1	38978.2
7.5°	40885.0	40826.2	40728.0	40648.4	40528.4	40432.7	40292.3	40177.3	40025.3	39893.6	39733.9
10°	41231.7	41222.7	41197.7	41161.2	41105.4	41042.7	40947.1	40847.5	40714.3	40569.5	40392.1
12.5°	40378.5	40470.7	40596.3	40670.7	40761.4	40801.0	40838.2	40828.9	40804.4	40731.3	40628.6
15°	38217.1	38476.0	38818.8	39084.5	39390.2	39612.3	39857.7	40010.5	40163.0	40233.4	40276.4
17.5°	34778.8	35269.0	35883.7	36393.2	36980.9	37453.0	37970.5	38360.1	38760.7	39047.8	39307.3
20°	30362.3	31072.5	31941.9	32710.0	33603.1	34379.1	35229.6	35927.8	36647.8	37210.9	37743.7
22.5°	25571.9	26415.4	27466.5	28440.2	29591.5	30626.2	31793.5	32809.6	33870.4	34756.7	35613.6
25°	20861.3	21786.3	22935.7	24022.0	25325.9	26529.4	27913.9	29180.3	30551.4	31741.8	32917.8
27.5°	16559.9	17468.1	18641.5	19797.8	21176.6	22459.0	23942.5	25337.6	26898.8	28338.5	29811.4
30°	13024.5	13794.8	14846.9	15966.9	17326.8	18631.8	20131.3	21566.2	23190.3	24762.3	26421.2
32.5°	10318.9	10905.7	11732.9	12680.0	13934.7	15177.0	16604.8	17990.0	19589.3	21177.3	22902.6
35°	8195.1	8652.8	9283.5	10022.5	11085.1	12156.0	13418.9	14678.5	16170.7	17677.5	19354.5
37.5°	6462.3	6833.6	7327.6	7882.7	8735.0	9613.8	10649.5	11693.7	12990.3	14326.0	15845.8
40°	5046.4	5347.1	5731.6	6145.6	6789.2	7466.3	8267.1	9077.0	10118.7	11210.3	12468.1
42.5°	3964.2	4186.2	4457.7	4760.3	5360.8	5720.2	6263.4	6849.1	7614.8	8407.4	9353.0
45°	3183.6	3335.0	3523.4	3726.3	4005.0	4310.0	4681.9	5071.9	5799.4	6156.2	6731.3
47.5°	2658.6	2760.3	2880.1	3008.0	3172.3	3349.7	3570.3	3795.8	4087.5	4389.8	4744.2
50°	2305.1	2408.4	2449.6	2515.8	2610.9	2712.2	2836.6	2961.0	3117.4	3275.9	3458.4
52.5°	2042.7	2076.4	2121.1	2163.3	2222.2	2337.5	2374.8	2439.8	2527.6	2613.4	2709.1
55°	1842.3	1864.2	1893.3	1918.7	1954.4	1988.4	2037.6	2080.8	2139.3	2191.0	2254.7
57.5°	1686.3	1700.3	1720.5	1737.1	1760.3	1779.4	1808.2	1831.7	1865.3	1894.6	1933.2
60°	1573.0	1582.3	1595.8	1606.7	1621.4	1631.5	1645.8	1656.7	1674.5	1689.4	1710.9
62.5°	1480.4	1485.2	1494.1	1500.5	1509.8	1514.9	1522.5	1527.3	1537.0	1544.6	1556.6
65°	1369.3	1370.5	1376.4	1379.1	1386.5	1389.1	1395.3	1397.6	1405.7	1411.2	1421.8
67.5°	1278.3	1275.8	1275.9	1273.8	1274.8	1272.6	1273.3	1271.0	1274.2	1275.9	1284.0
70°	1195.2	1191.7	1190.5	1186.7	1185.6	1181.7	1180.6	1177.0	1176.6	1175.5	1178.3
72.5°	1114.2	1113.3	1113.6	1110.9	1110.6	1107.9	1108.0	1106.3	1108.2	1109.0	1112.7
75°	1021.2	1021.5	1023.2	1020.9	1021.5	1019.3	1020.2	1018.0	1019.1	1018.8	1022.4
77.5°	907.8	910.5	915.4	914.4	916.0	913.5	914.6	911.6	912.5	910.5	911.9
80°	780.3	786.0	792.6	792.4	795.2	793.3	795.9	793.0	794.2	790.8	789.9
82.5°	629.0	633.8	640.9	641.2	647.4	648.5	655.4	655.1	659.5	656.7	654.7
85°	430.0	433.3	439.5	442.9	449.2	453.2	459.9	462.6	457.7	466.5	459.6
87.5°	224.5	232.9	228.3	239.1	236.5	247.5	245.2	255.4	253.4	262.2	261.0
90°	56.5	56.2	62.1	62.2	69.5	70.6	76.2	74.7	80.0	78.8	84.1
92.5°	32.3	34.6	36.5	38.5	40.4	42.6	40.6	38.8	37.0	35.3	33.4
95°	42.9	45.8	48.6	51.5	54.3	57.2	54.1	51.1	48.1	45.0	42.0
97.5°	50.1	53.1	56.2	59.3	62.5	65.6	62.0	58.3	54.7	51.1	47.6
100°	69.1	75.1	81.1	86.9	93.1	98.9	92.3	85.5	79.0	72.2	65.5
102.5°	133.9	147.5	161.1	174.9	188.4	202.1	187.9	173.8	159.6	145.3	131.0
105°	244.9	266.8	288.6	310.4	332.2	354.4	331.3	308.3	285.1	262.2	239.0
107.5°	358.5	379.7	401.4	422.5	443.9	465.5	442.3	418.9	395.7	372.3	348.9
110°	424.5	437.3	450.4	463.5	476.4	489.7	472.7	455.9	438.9	421.9	404.9



TEST NUMBER: P1444834
 CATALOG NUMBER: EHBR1-48-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	438.2	445.1	451.7	458.6	465.4	472.2	460.2	448.4	436.3	424.5	412.4
115°	413.8	416.3	418.8	421.5	423.9	426.4	418.6	410.8	402.9	395.1	386.9
117.5°	367.4	367.9	368.0	368.6	368.6	368.8	364.6	360.6	356.4	352.2	347.9
120°	321.0	320.2	319.3	318.3	317.1	316.0	314.7	313.5	311.9	310.4	308.7
122.5°	281.6	281.5	281.0	280.6	280.1	279.6	279.5	279.5	279.2	279.0	278.7
125°	251.7	252.7	253.4	254.2	255.0	255.7	255.9	256.3	256.6	256.9	256.9
127.5°	233.0	234.8	236.4	238.0	239.5	241.1	241.6	242.4	243.0	243.5	244.0
130°	223.4	225.9	228.1	230.1	232.2	234.5	234.9	235.5	236.0	236.5	237.0
132.5°	220.1	222.5	224.8	227.4	229.6	231.9	232.4	233.0	233.2	233.8	234.3
135°	219.8	222.1	224.2	226.8	228.7	231.0	231.3	231.8	232.1	232.7	233.0
137.5°	221.3	223.5	225.3	227.2	229.0	231.0	231.1	231.7	231.9	232.5	232.8
140°	224.2	225.8	227.3	229.1	230.5	232.2	232.4	232.6	232.8	233.0	233.1
142.5°	227.5	229.0	230.1	231.7	232.7	234.2	233.9	233.9	233.9	233.9	233.8
145°	231.8	233.1	234.0	235.1	235.7	236.9	236.5	236.5	236.1	236.0	235.6
147.5°	235.4	236.4	236.9	237.8	238.1	239.1	238.7	238.4	238.1	237.7	237.3
150°	238.1	239.1	239.6	240.2	240.6	241.5	240.9	240.6	240.0	239.5	239.2
152.5°	239.9	240.6	241.1	241.5	242.0	242.5	241.9	241.8	241.0	240.5	240.0
155°	242.4	243.1	243.3	243.9	244.1	244.5	243.8	243.7	243.3	242.7	242.1
157.5°	245.5	246.0	246.5	246.8	247.1	247.5	247.2	246.9	246.4	246.2	245.7
160°	248.9	249.4	249.8	250.1	250.5	250.6	250.3	250.3	250.1	249.7	249.2
162.5°	252.8	253.4	253.8	254.1	254.6	255.0	254.7	254.5	254.1	253.8	253.3
165°	256.5	256.9	257.4	257.8	258.0	258.3	258.2	258.1	257.8	257.7	257.3
167.5°	260.8	261.4	261.7	262.1	262.3	262.5	262.3	262.4	262.1	261.8	261.5
170°	264.3	264.7	265.1	265.4	265.7	265.9	265.9	265.8	265.5	265.3	265.1
172.5°	267.7	268.0	268.1	268.4	268.5	268.9	268.8	268.5	268.3	268.0	267.8
175°	269.0	269.2	269.4	269.4	269.4	269.5	269.3	269.2	268.9	268.7	268.5
177.5°	270.6	270.6	270.6	270.5	270.5	270.5	270.5	270.3	270.2	270.0	269.7
180°	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4



TEST NUMBER: P1444834
 CATALOG NUMBER: EHBR1-48-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9	38129.9
2.5°	38369.5	38352.8	38342.1	38328.4	38320.0	38309.4	38301.6	38295.0	38289.6	38284.7	38280.9
5°	38909.0	38823.2	38756.6	38684.5	38625.4	38566.3	38520.7	38483.0	38457.0	38437.6	38426.0
7.5°	39595.9	39438.9	39299.3	39152.3	39020.6	38891.1	38779.4	38683.1	38610.9	38564.2	38535.7
10°	40209.4	39999.2	39791.3	39572.6	39365.1	39164.0	38978.2	38814.9	38685.6	38599.7	38549.4
12.5°	40484.4	40305.3	40093.1	39855.5	39601.3	39344.0	39093.4	38867.3	38677.5	38550.2	38476.7
15°	40242.2	40168.6	40024.6	39840.2	39599.0	39333.1	39038.7	38762.0	38507.5	38342.4	38246.8
17.5°	39454.4	39556.9	39545.8	39475.4	39301.9	39078.2	38778.2	38467.4	38149.0	37928.4	37807.9
20°	38124.8	38447.3	38610.9	38694.9	38626.8	38481.6	38210.0	37894.6	37523.5	37235.5	37059.7
22.5°	36256.5	36825.9	37180.7	37440.3	37495.4	37446.0	37206.1	36906.1	36492.6	36146.3	35886.7
25°	33851.3	34685.5	35246.3	35685.8	35856.6	35900.7	35696.7	35398.3	34937.2	34533.9	34177.3
27.5°	31018.4	32102.3	32851.0	33441.7	33708.3	33824.0	33636.1	33331.8	32786.3	32304.8	31839.1
30°	27829.1	29115.0	30016.5	30724.7	31049.8	31202.6	31003.0	30663.3	30028.5	29449.1	28862.4
32.5°	24415.5	25822.7	26805.0	27574.2	27896.3	28039.9	27779.0	27397.4	26663.7	25981.2	25296.9
35°	20841.6	22262.0	23252.5	24001.2	24271.1	24357.8	24024.0	23582.9	22770.1	22020.9	21274.9
37.5°	17194.8	18516.3	19416.5	20088.5	20255.6	20270.5	19868.4	19381.2	18526.8	17788.2	17045.5
40°	13579.6	14694.0	15420.9	15958.7	16016.7	15965.0	15527.7	15037.5	14238.2	13576.5	12924.4
42.5°	10174.2	11015.4	11534.1	11902.6	11880.7	11778.5	11377.6	10956.2	10296.8	9792.8	9279.7
45°	7256.8	7811.4	8114.6	8330.3	8261.1	8163.7	7851.7	7556.3	7108.3	6782.7	6437.9
47.5°	5041.4	5703.7	5588.4	6010.0	5646.8	5886.7	5387.1	5111.6	4873.8	4700.8	4505.9
50°	3609.2	3761.0	3834.3	3884.3	3857.8	3820.9	3731.1	3650.8	3542.2	3463.0	3370.8
52.5°	2787.3	2863.1	2904.7	2934.8	2928.9	2915.5	2876.3	2840.6	2789.7	2756.2	2715.7
55°	2361.0	2362.1	2438.5	2405.7	2454.2	2397.4	2419.8	2356.9	2367.0	2313.0	2276.8
57.5°	1961.9	1993.0	2007.0	2020.6	2016.7	2014.3	1999.1	1991.6	1974.4	1969.2	1957.0
60°	1725.7	1742.0	1745.3	1751.6	1746.4	1744.4	1732.5	1728.3	1716.8	1714.7	1706.7
62.5°	1563.8	1572.2	1572.2	1572.2	1565.4	1558.8	1545.7	1538.8	1529.0	1526.9	1522.2
65°	1428.7	1437.3	1438.7	1440.5	1435.6	1430.5	1418.9	1411.4	1401.4	1397.6	1392.3
67.5°	1289.2	1298.4	1301.5	1306.2	1303.4	1302.3	1294.4	1291.4	1284.8	1283.2	1278.3
70°	1179.6	1183.5	1183.2	1183.1	1176.9	1171.4	1162.1	1157.8	1150.9	1149.5	1144.9
72.5°	1114.5	1117.2	1115.6	1113.1	1105.1	1096.9	1086.1	1078.2	1069.2	1063.6	1057.1
75°	1022.9	1026.4	1024.1	1022.6	1015.3	1010.0	1001.3	997.0	990.6	988.8	984.4
77.5°	910.2	911.9	908.3	907.8	902.3	898.9	892.4	891.3	886.6	886.7	882.5
80°	784.8	783.9	777.9	776.8	771.3	769.9	764.8	765.1	761.4	762.9	759.9
82.5°	645.8	642.3	634.5	632.2	625.9	625.3	622.0	624.8	622.5	625.9	623.9
85°	462.8	463.8	460.4	460.4	458.6	459.1	458.8	461.0	461.3	464.3	464.2
87.5°	258.1	261.7	261.0	264.4	264.2	268.0	269.3	275.0	275.7	280.9	280.9
90°	83.0	88.8	87.5	93.5	93.3	99.5	100.2	106.4	106.4	111.8	110.7
92.5°	31.5	29.7	28.0	26.1	25.2	24.0	23.7	22.2	21.6	20.4	19.5
95°	38.9	35.9	32.8	29.7	28.7	27.6	26.6	25.5	24.4	23.4	22.4
97.5°	44.0	40.3	36.7	33.1	32.1	31.3	30.3	29.3	28.5	27.6	26.6
100°	58.7	52.0	45.4	38.5	37.7	37.0	36.1	35.4	34.7	33.7	32.9
102.5°	116.8	102.6	88.2	73.9	71.2	68.5	65.8	62.9	60.1	57.4	54.7
105°	216.0	192.7	169.6	146.4	139.0	131.6	124.3	116.8	109.4	102.0	94.7
107.5°	325.5	301.9	278.5	254.9	241.5	227.8	214.2	200.4	186.9	173.1	159.5
110°	387.9	370.9	353.8	336.6	325.9	314.9	303.9	292.9	282.1	271.0	260.0



TEST NUMBER: P1444834
 CATALOG NUMBER: EHBR1-48-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	400.3	388.2	376.1	363.7	359.0	354.0	349.3	344.2	339.4	334.3	329.3
115°	378.9	371.0	362.8	354.5	353.2	351.4	349.9	348.2	346.7	344.9	343.1
117.5°	343.7	339.3	334.9	330.5	331.0	331.5	332.2	332.5	332.9	333.1	333.4
120°	307.2	305.6	304.2	302.5	304.5	306.1	308.1	309.6	311.3	312.7	314.2
122.5°	278.6	278.2	278.0	277.4	279.9	282.1	284.2	286.3	288.2	289.8	291.7
125°	257.3	257.4	257.6	257.5	260.1	262.4	264.6	266.5	268.5	270.2	272.0
127.5°	244.7	245.2	245.9	246.1	248.3	249.8	251.6	253.0	254.7	255.8	257.1
130°	237.6	237.8	238.5	238.9	240.6	242.4	244.2	245.5	247.0	248.0	249.1
132.5°	234.9	235.1	235.7	236.0	237.7	239.1	240.5	241.4	242.6	243.3	243.9
135°	233.6	233.8	234.3	234.5	236.0	237.5	238.7	239.7	240.8	241.4	242.0
137.5°	233.3	233.5	233.9	234.1	235.5	236.7	237.9	238.9	239.8	240.6	241.1
140°	233.5	233.6	233.9	233.9	235.2	236.4	237.5	238.3	239.2	239.7	240.3
142.5°	233.8	233.6	233.8	233.6	234.6	235.4	236.3	237.0	237.7	238.1	238.4
145°	235.3	235.0	234.9	234.5	235.2	235.9	236.7	237.3	237.7	237.8	238.2
147.5°	237.2	236.6	236.2	235.8	236.6	237.0	237.5	237.8	238.3	238.4	238.6
150°	238.6	237.8	237.3	236.7	237.2	237.5	237.8	238.1	238.5	238.4	238.6
152.5°	239.3	238.7	238.0	237.3	237.7	237.8	237.9	237.8	238.0	238.0	238.0
155°	241.7	241.0	240.5	239.6	239.9	239.9	239.9	239.9	239.7	239.6	239.4
157.5°	245.2	244.5	244.2	243.4	243.4	243.3	243.3	242.8	242.7	242.4	241.9
160°	248.9	248.4	248.0	247.4	247.2	247.0	246.9	246.4	246.2	245.8	245.3
162.5°	252.8	252.3	251.6	251.1	250.9	250.8	250.5	250.1	249.9	249.4	248.9
165°	257.0	256.7	256.3	255.6	255.5	255.2	255.1	254.5	254.2	253.6	253.2
167.5°	261.1	260.8	260.4	259.7	259.6	259.6	259.4	259.0	258.7	258.3	258.1
170°	264.8	264.4	264.1	263.7	263.4	263.3	263.0	262.7	262.3	262.0	261.5
172.5°	267.4	267.1	266.6	266.1	266.1	265.9	265.6	265.5	265.1	264.8	264.7
175°	268.2	267.9	267.5	267.3	267.1	267.0	266.8	266.7	266.5	266.3	266.0
177.5°	269.5	269.4	269.0	268.9	268.8	268.8	268.6	268.5	268.5	268.3	268.2
180°	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4



TEST NUMBER: P1444834
 CATALOG NUMBER: EHBR1-48-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	38129.9	38129.9
2.5°	38277.6	38275.6
5°	38419.9	38417.6
7.5°	38528.1	38527.5
10°	38540.9	38547.5
12.5°	38464.0	38469.3
15°	38239.4	38249.9
17.5°	37810.1	37823.8
20°	37070.5	37084.8
22.5°	35872.7	35878.6
25°	34131.3	34106.5
27.5°	31757.2	31714.7
30°	28739.2	28698.0
32.5°	25140.9	25115.2
35°	21090.4	21074.2
37.5°	16826.0	16792.9
40°	12686.0	12589.7
42.5°	9054.9	8885.8
45°	6257.8	6057.3
47.5°	4368.6	4244.7
50°	3311.3	3271.3
52.5°	2698.1	2688.8
55°	2276.6	2272.5
57.5°	1959.7	1958.3
60°	1710.9	1710.5
62.5°	1525.4	1526.0
65°	1394.7	1395.0
67.5°	1279.6	1278.8
70°	1146.6	1145.6
72.5°	1055.1	1053.5
75°	984.4	983.4
77.5°	883.8	882.3
80°	762.0	759.9
82.5°	626.7	624.5
85°	467.5	467.6
87.5°	286.0	285.9
90°	115.8	113.9
92.5°	18.9	18.3
95°	21.3	20.3
97.5°	25.8	24.9
100°	32.1	31.4
102.5°	52.0	49.3
105°	87.3	79.9
107.5°	145.8	132.2
110°	249.0	238.0



TEST NUMBER: P1444834
CATALOG NUMBER: EHBR1-48-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	324.3	319.3
115°	340.9	339.1
117.5°	333.5	333.5
120°	315.4	316.8
122.5°	293.0	294.6
125°	273.4	274.9
127.5°	258.0	258.8
130°	249.5	250.3
132.5°	244.3	244.6
135°	242.2	242.5
137.5°	241.1	241.3
140°	240.3	240.4
142.5°	238.5	238.5
145°	238.3	238.2
147.5°	238.1	238.2
150°	238.3	238.2
152.5°	237.6	237.5
155°	239.1	238.7
157.5°	241.3	241.0
160°	244.7	244.4
162.5°	248.4	248.0
165°	252.5	251.9
167.5°	257.3	257.1
170°	261.1	260.9
172.5°	264.2	263.9
175°	265.9	265.7
177.5°	268.2	267.9
180°	269.4	269.4

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: SP1-2506-472-7

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

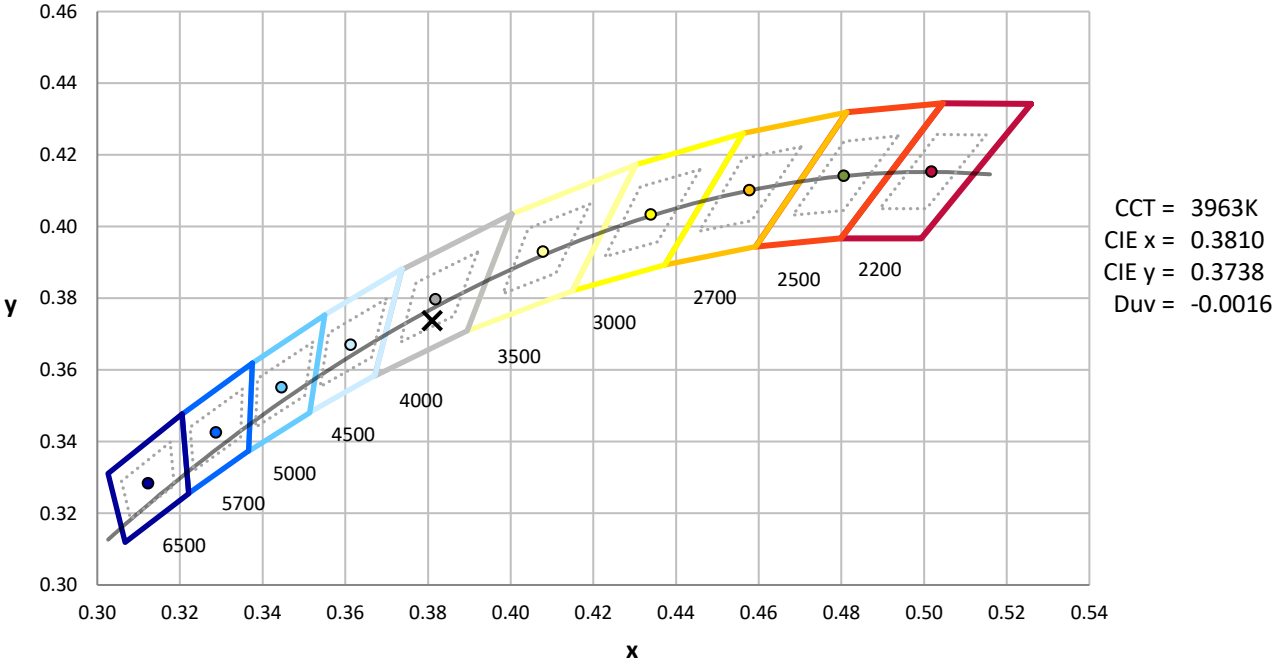
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208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



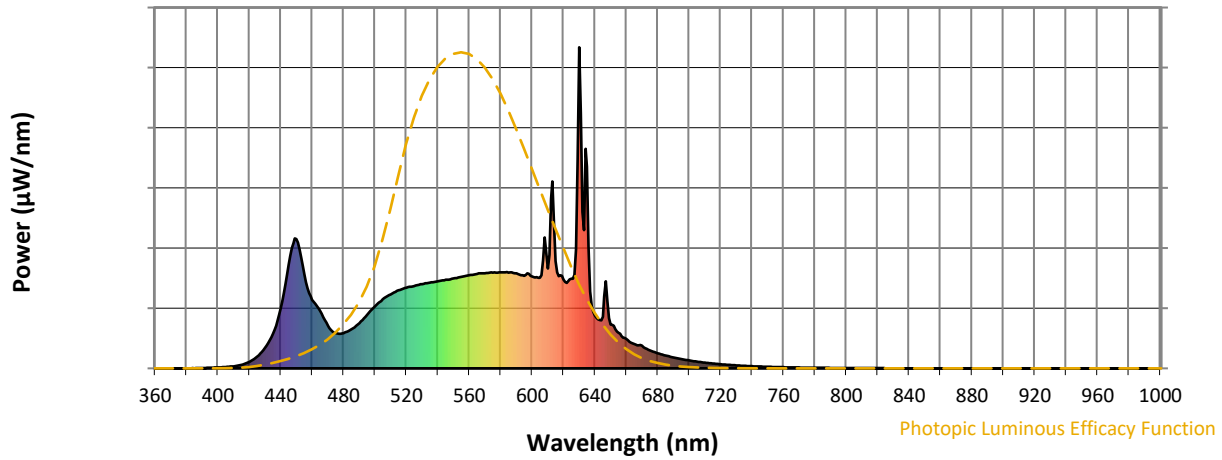
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-7

Photopic Flux vs. Wavelength

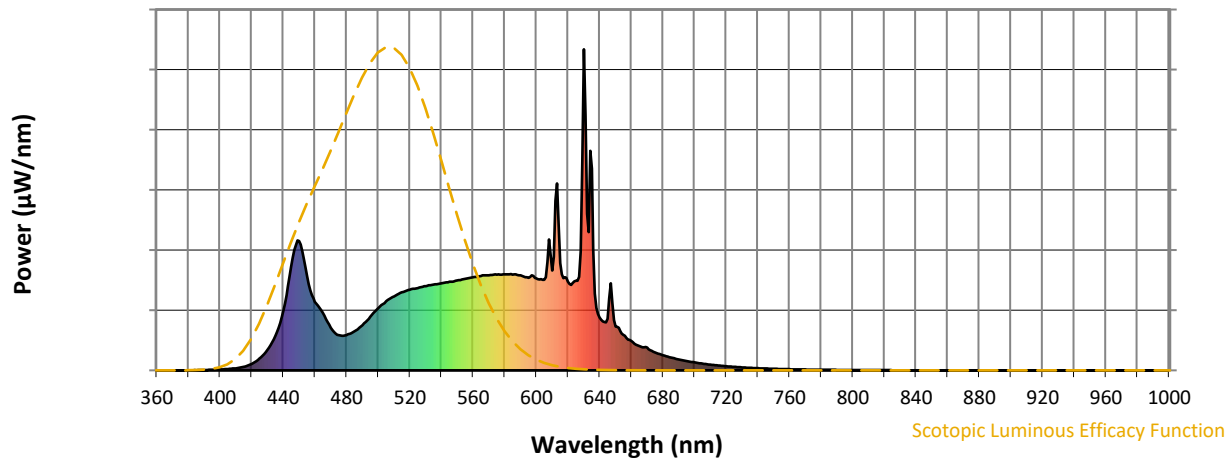


Photopic Lumens: NR

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



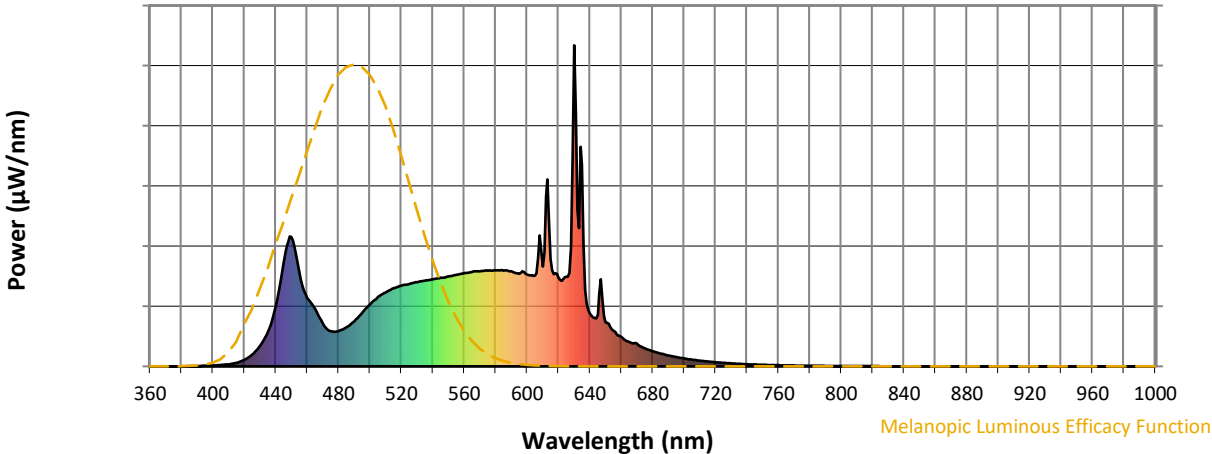
Scotopic Lumens: NR

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



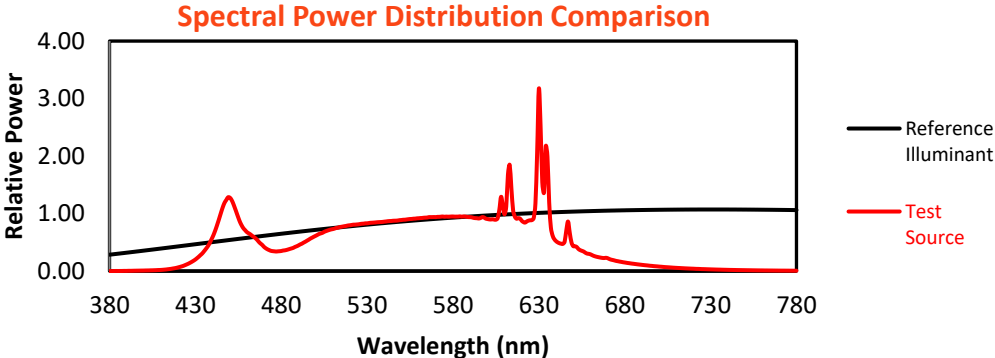
Melanopic Lumens: NR

M/P: 3.64

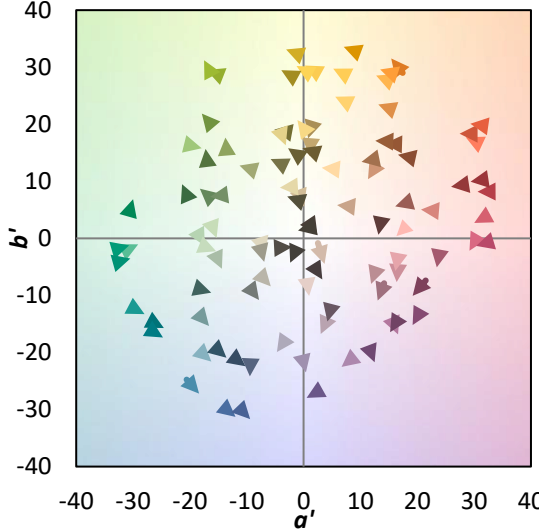
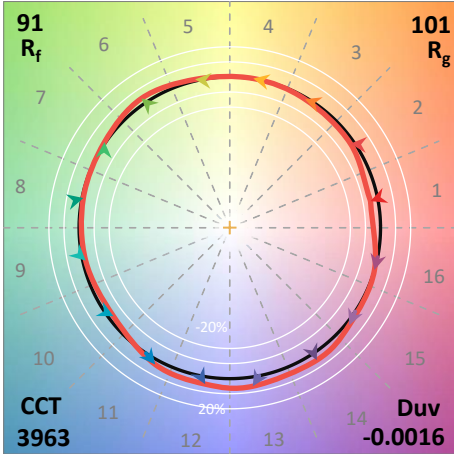
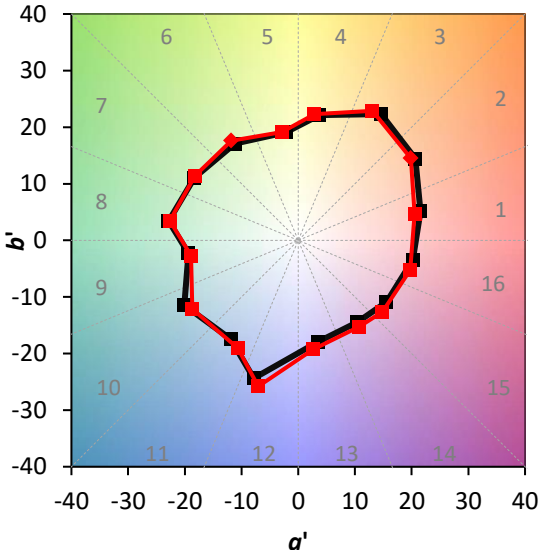
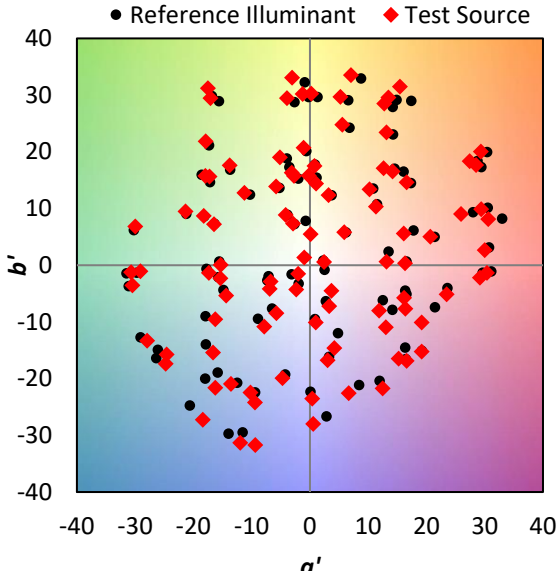
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	141	NR	620	276	NR	750	5	NR	880	0	NR
365	0	NR	495	167	NR	625	279	NR	755	4	NR	885	0	NR
370	0	NR	500	193	NR	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

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

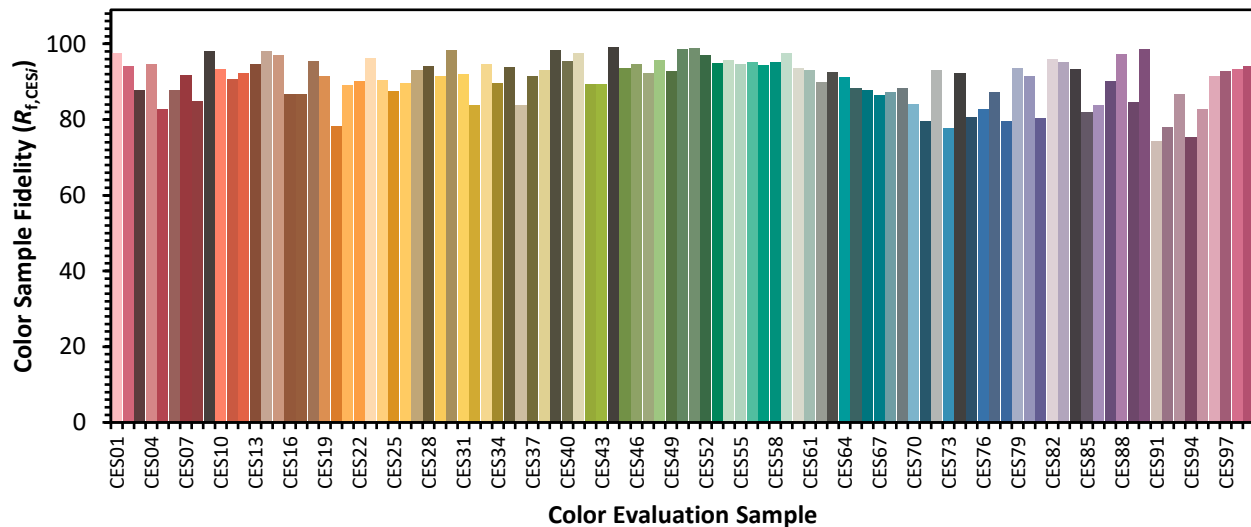


Color Vector Graphics



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)