

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: P1444561

Luminaire Tested: EHBR1-54-UNV-TA-L835

Issue Date: 5/1/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1444561  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( C80-8019A)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/1/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: EHBR1-54-UNV-TA-L835  
Description: Elevate Round Highbay at, 54000 lumens, 3500K 80CRI LEDs with TA lens  
Light Source: -  
Ballast/Driver: -

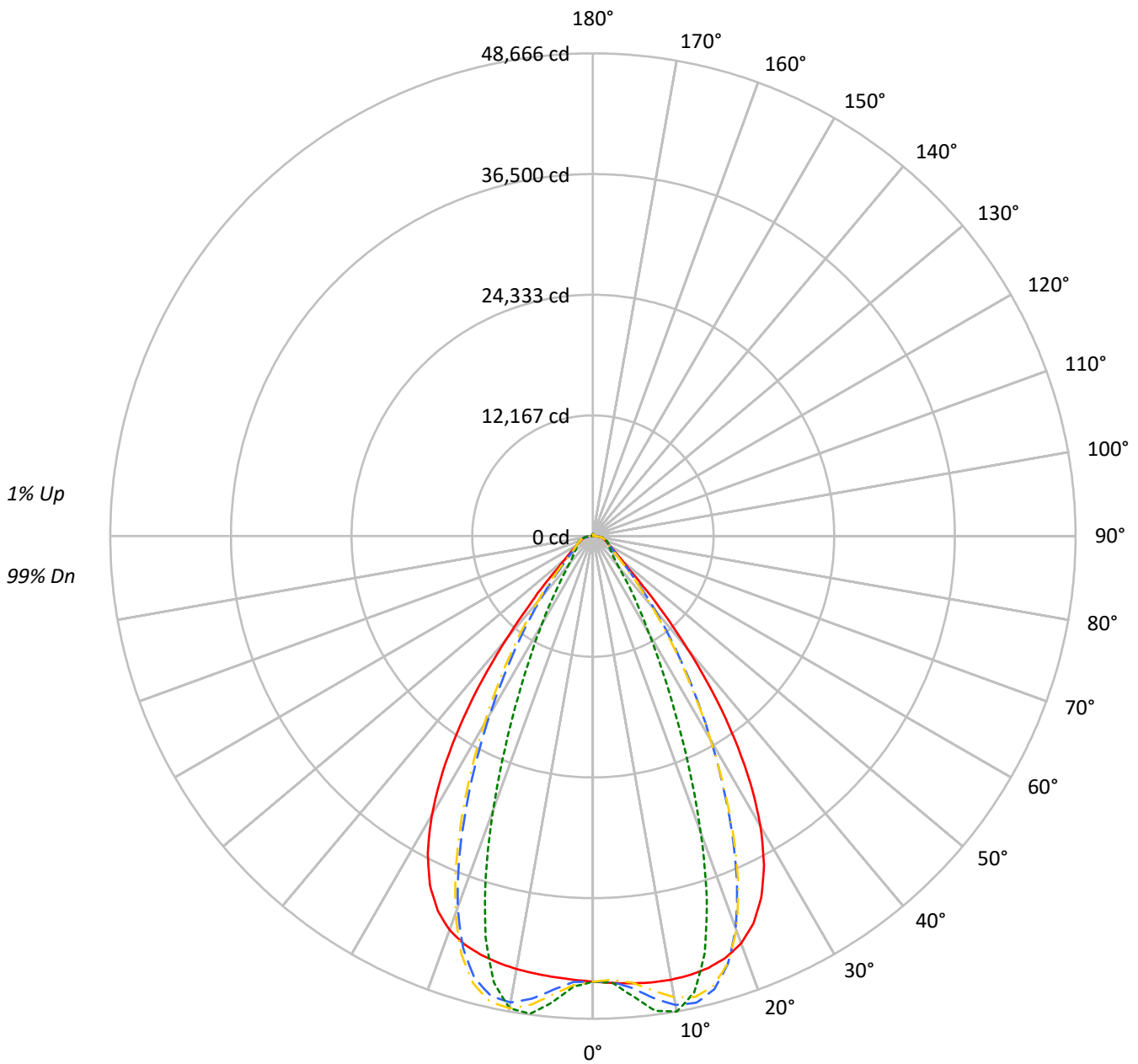
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 52009.5 lumens  
Efficiency: N/A  
Efficacy: 175.7 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 0.77 / 0.88  
Luminous Opening: Circular (Dia: 1.71' x H: 0')  
CIE Type: Direct

Input Watts (W): 296  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P1444561  
CATALOG NUMBER: EHBR1-54-UNV-TA-L835

### Luminous Intensity Polar Plot



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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4427.2	8.5
10°-20°	12454.3	23.9
20°-30°	14184.4	27.3
30°-40°	10195.1	19.6
40°-50°	4702.0	9.0
50°-60°	2250.1	4.3
60°-70°	1641.8	3.2
70°-80°	1247.3	2.4
80°-90°	567.3	1.1
90°-100°	18.4	0.0
100°-110°	13.3	0.0
110°-120°	22.7	0.0
120°-130°	38.0	0.1
130°-140°	55.8	0.1
140°-150°	66.4	0.1
150°-160°	62.5	0.1
160°-170°	45.7	0.1
170°-180°	17.2	0.0
0°-30°	31065.9	59.7
0°-40°	41261.1	79.3
0°-60°	48213.1	92.7
0°-90°	51669.5	99.3
90°-120°	54.4	0.1
90°-150°	214.6	0.4
90°-180°	340.0	0.7
0°-180°	52009.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	44923	44923	44923	44923	44923	
5°	45262	46581	44628	47192	45262	4325
15°	45064	43561	43692	41807	45064	12697
25°	40183	19536	38854	17726	40183	18216
35°	24828	6770	23400	5997	24828	15238
45°	7136	2917	7018	2869	7136	6070
55°	2677	2050	2578	2032	2677	2471
65°	1643	1689	1580	1632	1643	1641
75°	1159	1266	1096	1210	1159	1205
85°	551	660	445	565	551	518
90°	125	164	18	28	125	81
95°	8	7	8	8	8	7
105°	14	10	14	11	14	15
115°	30	15	31	15	30	30
125°	57	25	59	27	57	51
135°	91	50	94	54	91	70
145°	121	89	124	96	121	75
155°	141	127	144	133	141	65
165°	166	156	169	160	166	47
175°	183	182	185	184	183	17
180°	186	186	186	186	186	



TEST NUMBER: P1444561  
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**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7
2.5°	45094.3	45090.6	45090.1	45086.9	45086.0	45086.0	45084.5	45080.8	45078.5	45073.4	45067.6
5°	45261.7	45259.6	45260.8	45261.2	45258.0	45251.0	45240.1	45226.6	45209.5	45193.6	45179.3
7.5°	45391.0	45394.2	45398.2	45397.3	45387.5	45371.1	45348.6	45336.0	45343.4	45367.9	45423.8
10°	45414.7	45434.0	45441.4	45439.1	45419.5	45405.4	45410.8	45458.4	45553.1	45679.6	45852.4
12.5°	45322.6	45346.2	45345.4	45337.6	45318.6	45337.9	45406.8	45548.5	45751.6	46000.9	46293.3
15°	45064.1	45094.7	45086.0	45075.9	45063.2	45126.6	45264.3	45510.4	45824.1	46175.5	46535.3
17.5°	44562.1	44599.0	44581.1	44569.6	44558.9	44677.8	44914.4	45274.7	45669.7	46067.3	46408.3
20°	43691.4	43716.1	43673.3	43653.2	43670.2	43903.1	44251.5	44711.7	45128.2	45504.1	45737.2
22.5°	42270.4	42301.1	42220.8	42211.4	42310.6	42668.4	43109.3	43623.7	44015.0	44313.0	44402.8
25°	40182.6	40212.9	40117.4	40174.5	40343.3	40830.5	41355.7	41905.9	42239.8	42460.4	42399.6
27.5°	37364.6	37392.2	37301.7	37418.2	37685.1	38325.4	38943.4	39540.2	39837.8	39992.5	39796.5
30°	33810.6	33868.0	33760.9	33923.6	34331.0	35162.3	35870.3	36539.7	36836.4	36954.1	36649.0
32.5°	29589.4	29671.2	29553.2	29795.2	30363.6	31362.2	32166.5	32914.3	33242.5	33376.9	33032.3
35°	24828.5	24945.7	24810.4	25173.6	25874.7	26986.7	27877.4	28712.3	29100.9	29291.4	28944.2
37.5°	19784.5	19896.2	19823.0	20307.6	21077.5	22230.1	23139.3	24040.0	24478.8	24764.7	24491.1
40°	14832.5	14934.7	14990.1	15544.4	16268.5	17354.8	18228.0	19119.3	19610.2	19969.0	19800.2
42.5°	10468.8	10571.9	10760.4	11295.1	11899.0	12798.2	13546.2	14346.3	14815.3	15198.1	15133.0
45°	7136.4	7256.1	7492.2	7930.0	8366.8	9011.8	9561.1	10183.4	10566.5	10917.1	10921.3
47.5°	5000.8	5084.9	5295.9	5594.9	5879.6	6687.2	6720.3	7026.2	7283.7	7545.8	7579.7
50°	3854.0	3904.7	4016.6	4183.2	4344.5	4554.1	4746.1	4967.7	5126.2	5269.9	5304.2
52.5°	3167.7	3199.9	3256.9	3347.1	3440.7	3554.7	3657.4	3779.1	3865.4	3942.3	3958.5
55°	2677.3	2704.0	2788.7	2805.8	2912.9	2933.5	2979.2	3053.2	3103.4	3149.4	3161.0
57.5°	2307.2	2326.5	2344.5	2382.9	2415.9	2463.9	2502.5	2555.6	2587.2	2620.5	2623.4
60°	2015.2	2029.1	2042.0	2068.6	2091.1	2124.4	2151.0	2187.2	2209.8	2234.8	2237.6
62.5°	1797.9	1807.9	1816.4	1834.0	1850.0	1875.6	1896.8	1926.9	1948.1	1967.4	1971.7
65°	1643.4	1650.8	1656.2	1669.6	1683.6	1705.4	1724.5	1749.1	1764.6	1779.4	1782.5
67.5°	1506.6	1513.6	1519.2	1531.3	1541.0	1557.3	1570.2	1588.6	1600.3	1612.1	1612.5
70°	1349.7	1356.2	1360.6	1371.9	1379.7	1393.6	1404.0	1420.7	1432.6	1445.8	1449.1
72.5°	1241.2	1245.0	1250.8	1261.2	1271.9	1287.0	1300.7	1318.1	1332.5	1346.2	1352.0
75°	1158.6	1163.1	1166.9	1175.8	1183.2	1195.9	1206.2	1222.0	1234.7	1249.4	1256.5
77.5°	1039.4	1044.6	1047.9	1056.7	1063.2	1075.3	1083.0	1097.1	1107.5	1120.8	1127.3
80°	895.3	900.2	902.5	910.9	916.0	927.2	934.7	948.3	957.0	970.3	978.2
82.5°	735.7	740.4	741.7	749.5	752.3	761.5	767.0	781.0	791.7	809.0	821.0
85°	550.9	552.6	555.2	553.3	564.4	565.1	577.7	580.0	596.7	601.1	620.0
87.5°	336.8	341.8	344.3	352.0	355.3	362.9	365.3	373.4	378.0	387.3	391.6
90°	124.7	131.2	132.5	140.3	141.5	148.4	149.0	156.8	158.1	166.3	167.6
92.5°	7.5	7.5	7.4	7.9	7.9	8.8	9.3	9.7	9.8	10.7	10.9
95°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.5
97.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.5	8.5
100°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.7
102.5°	11.6	11.6	11.6	11.6	11.6	11.4	11.6	11.4	11.4	11.4	11.2
105°	13.9	13.7	13.9	13.7	13.7	13.7	13.7	13.3	13.3	13.2	13.2
107.5°	16.5	16.3	16.3	16.3	16.3	16.2	16.2	16.0	15.8	15.5	15.5
110°	20.2	19.8	19.8	19.7	19.5	19.5	19.3	18.8	18.8	18.5	18.3



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**CANDELA DISTRIBUTION (continued):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	24.4	24.1	23.9	23.9	23.7	23.2	23.0	22.7	22.5	22.0	21.6
115°	29.5	29.1	29.0	28.5	28.3	27.8	27.4	27.0	26.7	26.0	25.6
117.5°	35.5	35.0	34.6	34.3	33.6	33.2	32.7	32.0	31.3	30.6	30.2
120°	42.1	41.5	41.1	40.3	39.8	39.0	38.5	37.6	36.7	35.8	35.3
122.5°	49.3	48.6	48.3	47.3	46.6	45.6	45.0	43.6	43.0	42.0	40.9
125°	57.1	56.2	55.9	55.0	53.9	52.9	52.0	50.8	49.7	48.5	47.4
127.5°	65.3	64.6	63.9	62.7	61.8	60.6	59.4	58.1	57.1	55.5	54.4
130°	73.8	73.1	72.2	71.1	70.1	68.7	67.4	65.9	64.8	63.1	61.8
132.5°	82.4	81.7	80.9	79.7	78.5	76.9	75.7	73.9	72.6	71.1	69.6
135°	91.0	90.1	89.4	88.2	87.1	85.4	83.9	82.2	80.8	78.9	77.6
137.5°	99.2	98.4	97.5	96.2	95.0	93.3	91.9	90.1	88.5	86.8	85.2
140°	107.0	106.2	105.2	103.8	102.7	101.2	99.6	97.9	96.2	94.4	93.1
142.5°	114.4	113.3	112.6	111.2	110.1	108.4	106.9	105.0	103.6	101.7	100.4
145°	120.7	119.8	119.1	117.9	116.5	114.9	113.5	111.7	110.3	108.7	107.2
147.5°	126.5	125.7	125.1	123.8	122.9	121.2	119.8	118.2	116.8	115.4	114.2
150°	131.7	131.0	130.3	129.3	128.2	126.8	125.6	124.2	122.9	121.4	120.2
152.5°	136.0	135.2	134.7	133.7	132.6	131.2	130.3	128.9	127.7	126.3	125.2
155°	141.2	140.3	139.5	138.7	137.7	136.5	135.4	134.2	133.2	131.9	130.9
157.5°	146.8	145.8	145.2	144.0	143.3	142.1	141.2	140.0	139.0	138.0	137.0
160°	153.0	152.1	151.4	150.3	149.3	148.2	147.4	146.2	145.5	144.4	143.5
162.5°	159.5	158.5	157.7	156.7	155.8	154.7	153.9	153.0	152.1	151.0	150.2
165°	165.6	165.0	164.2	163.3	162.5	161.6	160.9	159.8	159.0	158.0	157.4
167.5°	171.8	170.9	170.5	169.7	168.8	168.1	167.4	166.5	166.0	165.0	164.4
170°	176.9	176.0	175.5	175.0	174.3	173.7	173.2	172.5	171.8	171.1	170.7
172.5°	180.4	179.8	179.5	179.2	178.5	178.1	177.6	177.1	176.9	176.2	176.0
175°	183.3	182.8	182.7	182.3	182.0	181.6	181.5	181.1	181.1	180.6	180.3
177.5°	185.1	185.0	185.0	184.8	184.8	184.6	184.4	184.1	183.9	183.9	183.8
180°	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3



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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°	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7
2.5°	45063.2	45057.7	45050.2	45040.7	45032.6	45023.1	45000.6	44994.0	45001.4	45006.5	45016.8
5°	45170.2	45173.4	45174.6	45195.1	45212.7	45256.8	45602.5	45739.8	45846.1	45913.5	46015.9
7.5°	45493.1	45597.0	45699.7	45837.9	45957.1	46118.0	46722.8	46980.1	47163.1	47294.7	47456.5
10°	46040.2	46266.9	46479.5	46728.6	46942.7	47187.9	47750.8	48001.5	48159.9	48275.1	48382.7
12.5°	46591.2	46905.8	47190.0	47467.2	47698.9	47911.5	48109.5	48197.2	48204.7	48208.4	48151.2
15°	46878.2	47178.9	47429.4	47612.6	47748.9	47809.1	47468.3	47289.5	47063.5	46877.5	46571.2
17.5°	46697.1	46877.5	46985.7	46975.0	46918.8	46730.3	45764.9	45234.0	44707.0	44231.9	43609.1
20°	45891.8	45878.0	45783.9	45517.4	45196.2	44696.8	43041.8	42087.0	41163.9	40353.1	39369.5
22.5°	44393.6	44157.9	43829.2	43254.5	42616.0	41743.4	39371.8	37967.3	36682.2	35546.9	34275.1
25°	42222.7	41737.8	41131.6	40219.2	39227.0	37954.3	35031.2	33284.3	31741.3	30403.0	28935.6
27.5°	39444.5	38714.0	37825.6	36562.8	35218.5	33588.1	30347.5	28419.5	26763.1	25328.3	23766.5
30°	36155.4	35205.3	34058.1	32490.8	30869.4	29020.2	25733.3	23780.6	22104.0	20628.0	19065.0
32.5°	32438.4	31325.5	29981.3	28222.2	26468.7	24567.5	21393.1	19503.0	17901.4	16481.4	15066.7
35°	28338.7	27145.3	25723.2	23929.0	22186.0	20337.5	17424.9	15720.6	14306.3	13051.1	11908.8
37.5°	23941.1	22769.3	21417.7	19726.6	18110.4	16435.3	13922.1	12493.9	11307.1	10265.4	9383.3
40°	19368.8	18343.4	17173.8	15711.9	14332.5	12937.5	10874.6	9740.9	8804.2	8009.7	7348.8
42.5°	14852.4	14057.8	13160.9	12005.6	10950.1	9887.9	8300.1	7460.2	6766.4	6194.5	5727.3
45°	10776.0	10244.4	9642.9	8839.7	8109.3	7368.4	6238.3	5648.1	5196.3	4827.5	4515.7
47.5°	7533.0	7224.6	7205.8	6463.6	5928.0	5475.0	4747.0	4374.2	4097.3	3873.8	3676.4
50°	5290.2	5141.0	4955.7	4690.8	4442.2	4186.2	3742.6	3517.2	3355.1	3219.7	3094.8
52.5°	3954.8	3877.3	3778.6	3638.1	3503.4	3359.4	3078.7	2935.2	2884.2	2758.2	2659.3
55°	3158.8	3114.3	3058.3	2975.7	2893.7	2861.0	2620.4	2513.8	2446.4	2396.6	2343.5
57.5°	2623.9	2590.7	2557.5	2501.5	2454.0	2396.6	2268.9	2214.3	2174.2	2144.9	2108.1
60°	2238.1	2218.3	2199.7	2166.8	2141.2	2110.3	2029.1	1998.4	1977.3	1959.7	1936.2
62.5°	1975.4	1965.2	1955.5	1938.1	1925.1	1908.3	1852.8	1838.0	1827.5	1818.7	1804.4
65°	1785.7	1778.5	1773.1	1761.4	1754.9	1745.1	1697.5	1687.5	1681.0	1677.8	1669.6
67.5°	1613.4	1605.8	1602.3	1594.0	1591.3	1585.1	1546.2	1540.7	1538.5	1539.6	1536.6
70°	1452.3	1449.1	1450.7	1449.5	1453.1	1454.2	1430.7	1430.5	1433.0	1437.9	1438.4
72.5°	1355.7	1355.7	1357.6	1358.3	1361.8	1363.6	1343.9	1342.9	1344.1	1347.8	1347.9
75°	1263.8	1265.4	1270.3	1271.9	1276.1	1277.0	1251.0	1248.0	1248.2	1251.7	1250.5
77.5°	1136.6	1142.1	1151.6	1156.6	1164.6	1166.1	1137.0	1133.5	1133.6	1137.1	1134.2
80°	992.3	1002.8	1017.9	1028.4	1040.7	1045.7	1015.8	1008.6	1001.9	1000.9	994.9
82.5°	838.9	851.7	869.9	879.3	892.5	895.5	845.4	835.9	830.3	830.8	825.2
85°	640.4	650.1	666.6	671.9	680.1	679.4	622.2	597.7	604.2	594.0	602.0
87.5°	401.7	407.4	417.7	419.1	422.9	422.1	364.5	353.1	349.8	349.9	345.8
90°	175.3	177.4	184.8	183.3	187.6	185.1	136.8	129.8	127.2	130.9	126.5
92.5°	11.4	11.4	12.0	12.1	12.6	13.0	8.0	6.7	7.2	6.8	7.5
95°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.4	7.4
97.5°	8.5	8.5	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.0	8.0
100°	9.7	9.7	9.5	9.5	9.3	9.3	9.3	9.3	9.3	9.0	9.0
102.5°	11.0	11.0	10.9	10.7	10.5	10.5	10.7	10.7	10.5	10.2	10.0
105°	13.0	12.8	12.6	12.1	12.0	11.8	12.1	12.0	11.8	11.6	11.4
107.5°	15.1	15.0	14.4	14.2	14.0	13.7	14.2	14.0	13.7	13.2	13.0
110°	17.9	17.5	17.2	16.7	16.2	15.8	16.5	16.2	15.8	15.3	15.0



TEST NUMBER: P1444561  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835

**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	20.9	20.7	20.2	19.5	18.8	18.3	19.3	19.1	18.5	17.6	17.4
115°	24.8	24.4	23.7	23.0	22.3	21.4	22.7	22.5	21.6	20.8	20.2
117.5°	29.3	28.5	27.8	27.0	26.0	25.1	26.8	26.3	25.3	24.4	23.7
120°	34.3	33.5	32.5	31.6	30.4	29.5	31.3	30.9	30.0	28.8	27.8
122.5°	39.9	39.0	37.8	36.7	35.6	34.4	36.7	36.3	35.0	33.8	32.7
125°	46.3	45.1	43.9	42.8	41.3	40.1	42.8	42.1	40.9	39.7	38.5
127.5°	53.1	52.0	50.6	49.5	47.8	46.6	49.3	48.8	47.4	46.2	44.6
130°	60.4	59.1	57.6	56.2	55.0	53.6	56.4	56.1	54.8	53.1	51.8
132.5°	68.1	66.8	65.1	63.9	62.4	60.9	64.1	63.8	62.6	60.9	59.6
135°	75.9	74.6	73.1	71.6	70.1	68.9	72.4	72.0	70.9	69.2	68.0
137.5°	83.6	82.2	80.8	79.6	78.1	76.8	80.9	80.8	79.6	78.0	76.8
140°	91.5	90.1	88.7	87.6	86.1	85.0	89.4	89.4	88.4	87.1	85.7
142.5°	98.7	97.5	96.2	95.2	93.9	92.9	97.9	98.0	97.1	95.7	94.7
145°	105.7	104.7	103.4	102.4	101.2	100.4	106.1	106.6	105.7	104.5	103.6
147.5°	112.6	111.5	110.3	109.4	108.4	107.9	114.2	114.9	114.2	113.3	112.4
150°	118.9	117.9	116.7	115.9	115.2	114.5	122.1	123.2	122.6	121.9	121.0
152.5°	124.0	123.0	122.1	121.2	120.3	119.8	129.5	131.2	130.7	129.8	129.3
155°	129.8	128.9	127.9	127.2	126.3	126.1	137.0	139.0	138.6	138.0	137.4
157.5°	136.0	135.1	134.0	133.3	132.6	132.1	144.0	146.7	146.0	145.5	145.1
160°	142.5	141.7	140.7	140.0	139.1	138.6	151.2	153.7	153.3	152.7	152.1
162.5°	149.1	148.6	147.7	146.8	146.0	145.5	158.0	160.9	160.2	159.7	159.2
165°	156.5	155.6	154.8	154.4	153.5	153.0	165.0	167.5	167.2	166.5	166.0
167.5°	163.5	163.0	162.1	161.6	161.0	160.7	171.8	174.1	173.9	173.2	172.8
170°	170.0	169.7	169.0	168.6	168.3	168.1	177.4	179.5	179.3	178.6	178.3
172.5°	175.5	175.3	175.0	174.6	174.3	174.1	182.0	183.8	183.6	183.3	182.8
175°	180.2	179.8	179.7	179.7	179.5	179.3	185.5	186.8	186.7	186.3	186.0
177.5°	183.8	183.6	183.6	183.6	183.6	183.6	187.3	188.1	188.0	188.0	187.8
180°	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3



TEST NUMBER: P1444561  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7
2.5°	45019.1	45034.9	45037.2	45055.7	45054.2	45076.2	45072.7	45090.6	45080.2	45095.0	45082.5
5°	46076.5	46172.3	46222.5	46316.0	46345.7	46429.4	46453.1	46529.5	46532.7	46593.3	46579.4
7.5°	47571.3	47712.7	47796.7	47912.3	47970.9	48067.4	48109.7	48181.0	48204.0	48260.6	48265.0
10°	48464.0	48532.7	48580.6	48612.9	48642.4	48656.2	48672.3	48668.1	48672.3	48666.0	48679.9
12.5°	48112.9	48012.7	47946.5	47820.9	47748.2	47609.5	47541.4	47408.0	47359.5	47245.0	47228.6
15°	46334.7	45985.4	45738.6	45379.7	45154.1	44801.0	44594.4	44275.9	44130.3	43877.2	43810.7
17.5°	43093.5	42445.1	41943.3	41299.7	40853.0	40251.6	39873.2	39375.3	39102.6	38701.0	38562.0
20°	38549.5	37590.1	36837.5	35940.9	35299.3	34499.9	33988.0	33342.5	32967.8	32474.6	32274.7
22.5°	33214.7	32020.4	31080.3	30021.1	29246.9	28356.1	27742.9	27044.5	26636.7	26100.9	25863.7
25°	27716.1	26399.0	25353.9	24238.0	23420.0	22526.9	21913.6	21227.5	20805.6	20297.0	20061.2
27.5°	22457.2	21124.0	20114.0	19076.5	18326.1	17520.3	16966.9	16367.9	15993.4	15559.2	15337.5
30°	17816.3	16640.4	15781.0	14919.9	14295.7	13641.3	13181.4	12685.0	12356.5	11984.7	11773.4
32.5°	14035.4	13127.5	12454.6	11771.3	11260.5	10713.5	10316.2	9878.1	9581.6	9249.6	9058.3
35°	11115.8	10410.4	9873.6	9311.3	8872.3	8406.5	8056.4	7678.3	7412.3	7126.4	6961.2
37.5°	8782.6	8221.7	7780.0	7312.9	6952.4	6566.5	6436.4	6002.6	5726.9	5498.8	5340.8
40°	6892.6	6446.6	6081.2	5723.9	5429.9	5137.1	4902.3	4670.5	4492.5	4329.4	4216.5
42.5°	5382.6	5059.5	4792.5	4530.8	4316.4	4103.1	3933.0	3773.3	3653.4	3546.7	3474.0
45°	4278.9	4056.7	3871.2	3686.9	3535.5	3393.2	3278.7	3176.8	3099.4	3035.3	2989.8
47.5°	3515.3	3363.0	3232.2	3107.8	3005.1	2911.9	2835.2	2810.2	2727.0	2670.8	2649.5
50°	2987.5	2895.6	2796.2	2704.5	2635.8	2567.6	2517.8	2469.0	2437.9	2412.1	2404.3
52.5°	2593.5	2523.3	2468.1	2409.9	2364.6	2316.0	2281.7	2249.2	2232.2	2218.6	2216.9
55°	2300.7	2251.6	2215.0	2176.0	2148.9	2120.4	2102.6	2085.5	2078.0	2071.1	2071.6
57.5°	2079.2	2046.3	2022.5	1997.2	1982.6	1968.9	1964.4	1960.1	1962.4	1963.4	1967.3
60°	1917.6	1896.3	1881.4	1866.8	1860.7	1856.3	1859.6	1863.5	1871.4	1877.7	1883.3
62.5°	1793.9	1781.8	1774.4	1766.6	1766.0	1766.3	1773.0	1779.4	1789.2	1796.6	1802.0
65°	1666.6	1659.6	1657.3	1652.2	1654.8	1656.2	1664.3	1669.2	1679.0	1684.9	1691.9
67.5°	1537.8	1536.2	1537.7	1537.7	1542.2	1546.1	1553.7	1559.3	1567.7	1573.0	1578.6
70°	1442.8	1443.5	1447.0	1447.6	1452.5	1455.1	1461.8	1465.4	1473.0	1477.4	1484.3
72.5°	1350.4	1348.9	1349.7	1347.6	1349.2	1348.5	1352.2	1354.1	1360.4	1363.9	1372.2
75°	1252.0	1247.8	1246.8	1242.4	1242.5	1239.4	1240.8	1240.6	1244.8	1246.5	1252.5
77.5°	1133.1	1126.1	1122.8	1115.4	1115.2	1112.3	1115.4	1117.1	1124.5	1128.0	1134.7
80°	991.0	980.0	975.0	966.3	967.8	967.3	974.7	980.1	989.1	990.8	999.4
82.5°	823.6	812.4	807.1	798.7	800.6	800.8	807.5	808.7	816.4	819.8	829.8
85°	589.7	594.0	582.3	583.0	580.5	585.2	589.7	595.3	601.8	612.7	621.0
87.5°	347.3	345.8	349.9	350.4	356.4	359.6	369.2	374.8	385.6	394.1	409.4
90°	128.2	124.0	128.7	128.2	135.4	135.1	141.4	139.7	147.2	148.8	158.1
92.5°	6.8	7.4	6.8	7.2	6.8	7.5	6.8	7.4	6.8	7.5	6.8
95°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
97.5°	8.0	8.0	8.0	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
100°	8.8	8.8	8.8	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
102.5°	10.0	9.8	9.8	9.7	9.7	9.5	9.5	9.5	9.5	9.5	9.5
105°	11.2	11.0	10.9	10.7	10.7	10.5	10.5	10.2	10.2	10.2	10.2
107.5°	12.6	12.3	12.1	12.0	11.8	11.6	11.4	11.4	11.2	11.2	11.2
110°	14.4	14.0	13.9	13.3	13.2	13.0	12.6	12.6	12.3	12.1	12.1



TEST NUMBER: P1444561  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	16.7	16.2	15.5	15.1	14.8	14.4	14.2	14.0	13.9	13.7	13.3
115°	19.3	18.6	17.9	17.5	17.0	16.3	16.0	15.8	15.3	15.1	15.0
117.5°	22.7	21.8	20.8	20.2	19.5	18.8	18.3	17.6	17.4	17.2	17.0
120°	26.7	25.6	24.4	23.7	22.7	21.8	20.9	20.5	19.8	19.7	19.3
122.5°	31.3	30.2	28.8	27.8	26.7	25.6	24.6	23.9	23.2	22.7	22.3
125°	36.7	35.5	34.1	32.7	31.3	30.3	29.1	28.1	27.3	26.8	26.0
127.5°	43.1	41.5	39.9	38.6	36.9	35.8	34.4	33.5	32.3	31.5	30.6
130°	50.1	48.6	46.7	45.5	43.6	42.3	40.9	39.8	38.6	37.6	36.7
132.5°	58.0	56.4	54.8	53.1	51.5	49.9	48.5	47.1	45.6	44.6	43.6
135°	66.2	65.0	63.1	61.6	59.7	58.5	56.9	55.5	54.1	52.9	51.8
137.5°	75.2	73.8	72.2	70.9	69.1	67.8	65.9	64.8	63.1	62.2	60.9
140°	84.3	83.1	81.4	80.1	78.5	77.4	75.7	74.6	73.1	72.0	70.9
142.5°	93.3	92.1	90.8	89.6	88.2	87.1	85.6	84.5	83.1	82.1	80.9
145°	102.4	101.4	100.3	99.1	97.9	96.9	95.4	94.4	93.3	92.2	91.4
147.5°	111.4	110.3	109.4	108.4	107.2	106.2	105.0	104.4	103.1	102.4	101.4
150°	120.0	119.2	118.2	117.5	116.4	115.6	114.5	113.7	112.7	112.2	111.2
152.5°	128.4	127.7	126.8	126.2	125.2	124.4	123.5	122.9	122.1	121.4	120.3
155°	136.5	135.8	135.1	134.4	133.3	132.8	132.1	131.2	130.5	129.8	129.1
157.5°	144.4	143.7	142.8	142.3	141.4	140.7	140.0	139.3	138.6	138.0	137.2
160°	151.6	151.0	150.2	149.5	148.8	148.2	147.4	146.8	146.0	145.5	144.7
162.5°	158.5	157.9	157.4	156.7	155.8	155.3	154.5	153.9	153.2	152.5	151.6
165°	165.3	164.6	164.0	163.3	162.8	162.1	161.3	160.9	160.0	159.5	158.6
167.5°	172.1	171.6	170.9	170.5	169.7	169.0	168.5	167.8	167.2	166.5	165.6
170°	178.0	177.3	177.0	176.3	175.8	175.1	174.6	173.9	173.3	173.0	172.1
172.5°	182.5	182.3	181.8	181.5	180.8	180.4	180.2	179.7	179.2	178.6	178.3
175°	185.8	185.7	185.5	185.0	184.8	184.4	184.1	183.9	183.6	183.5	183.0
177.5°	187.8	187.6	187.6	187.3	187.1	187.1	186.9	186.9	186.8	186.7	186.7
180°	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3



TEST NUMBER: P1444561  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7
2.5°	45095.5	45084.0	45089.5	45068.3	45073.4	45047.9	45045.6	45016.8	45013.9	44986.8	44976.6
5°	46622.3	46597.2	46625.5	46581.4	46590.1	46532.7	46527.8	46453.5	46427.9	46335.0	46294.9
7.5°	48300.4	48291.0	48308.2	48271.3	48270.1	48218.8	48197.7	48131.1	48089.8	47992.2	47930.0
10°	48668.1	48676.7	48662.5	48666.0	48646.0	48640.5	48620.1	48607.1	48573.6	48548.3	48511.1
12.5°	47141.5	47150.6	47092.4	47129.4	47100.2	47168.3	47162.8	47243.0	47255.4	47356.9	47395.4
15°	43613.4	43602.5	43490.8	43561.2	43523.3	43672.9	43706.3	43907.4	44015.0	44273.2	44431.9
17.5°	38283.8	38255.0	38097.6	38183.4	38139.7	38360.2	38434.1	38755.8	38956.4	39372.5	39669.0
20°	31930.6	31875.5	31691.4	31791.7	31746.7	31997.2	32102.7	32491.5	32750.2	33301.3	33693.3
22.5°	25498.4	25411.3	25231.1	25324.8	25282.4	25541.7	25679.0	26069.1	26365.5	26931.2	27389.0
25°	19722.5	19644.9	19470.6	19536.1	19520.3	19739.7	19862.0	20230.9	20522.1	21061.0	21497.8
27.5°	15042.8	14962.0	14804.5	14851.0	14835.0	15021.9	15137.1	15445.4	15695.9	16149.6	16533.2
30°	11513.1	11415.6	11282.1	11307.7	11296.8	11448.3	11555.8	11815.4	12030.2	12413.6	12744.0
32.5°	8824.7	8726.9	8604.1	8616.1	8599.9	8718.8	8807.4	9033.2	9220.3	9546.3	9834.0
35°	6752.1	6866.5	6604.5	6770.5	6597.6	6851.3	6760.1	6901.2	7062.1	7336.8	7576.7
37.5°	5190.8	5111.1	5043.6	5036.5	5036.1	5094.9	5164.3	5300.1	5442.0	5646.7	5858.1
40°	4113.4	4057.5	4013.8	4010.7	4013.8	4055.6	4106.9	4200.9	4304.7	4451.7	4607.1
42.5°	3411.7	3374.6	3348.3	3346.5	3354.8	3384.4	3420.0	3475.8	3543.4	3638.6	3745.2
45°	2952.9	2932.2	2917.6	2916.7	2920.6	2936.0	2956.5	2991.3	3034.1	3093.6	3161.0
47.5°	2630.9	2625.8	2616.7	2617.0	2612.8	2619.2	2621.6	2641.1	2663.8	2708.6	2796.7
50°	2396.4	2396.4	2390.1	2389.8	2383.8	2383.4	2378.5	2386.1	2396.8	2424.5	2452.8
52.5°	2211.1	2210.4	2203.7	2202.3	2196.0	2195.6	2191.3	2194.3	2195.8	2209.8	2226.6
55°	2066.3	2062.0	2053.0	2050.2	2047.6	2051.3	2049.7	2049.8	2047.9	2053.8	2058.8
57.5°	1962.4	1956.8	1948.3	1945.7	1945.1	1949.4	1949.6	1948.1	1940.3	1935.0	1927.4
60°	1880.2	1874.5	1865.4	1863.0	1864.4	1870.3	1870.0	1865.0	1853.3	1843.2	1831.4
62.5°	1799.4	1797.1	1792.4	1791.8	1790.6	1791.6	1787.4	1782.1	1770.6	1759.8	1747.0
65°	1691.0	1692.2	1688.7	1689.2	1685.0	1684.3	1678.0	1672.9	1661.3	1651.4	1638.3
67.5°	1578.4	1579.3	1576.5	1576.5	1574.3	1574.7	1570.8	1566.0	1556.1	1548.2	1538.0
70°	1485.7	1488.1	1486.4	1486.9	1484.3	1483.2	1477.2	1472.6	1462.5	1455.8	1446.6
72.5°	1374.7	1379.7	1379.5	1380.7	1376.7	1374.7	1367.6	1361.7	1352.5	1347.2	1339.9
75°	1254.8	1261.3	1263.1	1265.9	1260.3	1257.3	1249.5	1244.8	1237.3	1234.2	1229.4
77.5°	1137.8	1144.9	1151.8	1158.1	1148.9	1140.8	1131.0	1123.5	1112.8	1108.7	1101.2
80°	1006.5	1019.1	1034.2	1046.9	1030.4	1013.7	997.6	985.6	971.5	965.6	956.3
82.5°	834.9	847.9	856.6	864.7	853.3	841.1	825.4	815.0	799.6	794.0	783.2
85°	634.3	650.5	655.7	659.9	652.7	646.2	631.5	611.6	602.0	586.9	579.1
87.5°	417.2	426.9	428.7	430.2	425.8	422.6	413.1	403.7	387.3	375.2	360.6
90°	158.1	165.0	161.6	164.4	158.5	158.8	149.0	145.6	131.9	126.5	114.2
92.5°	7.2	6.7	6.8	6.7	7.5	6.8	7.5	6.8	7.4	6.8	7.4
95°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
97.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	8.0
100°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
102.5°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.7
105°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.5	10.5
107.5°	11.0	11.0	11.0	11.0	11.2	11.2	11.2	11.2	11.2	11.2	11.4
110°	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.3	12.3	12.6



TEST NUMBER: P1444561  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.7	13.7	13.9	13.9
115°	14.8	14.8	14.8	14.8	14.8	14.8	14.8	15.0	15.1	15.1	15.5
117.5°	16.7	16.5	16.5	16.5	16.5	16.5	16.7	16.7	17.0	17.2	17.5
120°	19.1	18.6	18.6	18.6	18.6	18.6	18.8	18.8	19.3	19.5	20.2
122.5°	22.0	21.6	21.6	21.4	21.4	21.4	21.6	21.8	22.3	22.7	23.2
125°	25.8	25.3	25.1	25.0	25.0	25.0	25.1	25.6	26.0	26.3	27.1
127.5°	30.3	30.0	29.5	29.3	29.3	29.3	29.8	30.0	30.4	31.1	32.0
130°	36.0	35.5	35.3	34.8	34.8	34.8	35.3	35.6	36.3	36.7	37.8
132.5°	43.1	42.3	42.0	41.5	41.5	41.5	42.0	42.3	43.1	43.6	45.0
135°	51.1	50.4	49.9	49.6	49.6	49.5	49.7	50.1	50.9	51.8	52.7
137.5°	60.3	59.4	59.1	58.5	58.5	58.5	58.8	59.1	59.7	60.6	61.8
140°	70.1	69.2	68.9	68.3	68.3	68.1	68.5	68.7	69.4	70.3	71.3
142.5°	80.3	79.2	78.9	78.5	78.2	78.2	78.7	78.9	79.6	80.1	81.1
145°	90.6	89.7	89.4	88.9	88.7	88.7	88.9	89.2	89.7	90.1	91.0
147.5°	100.7	100.1	99.8	99.2	99.2	99.1	99.2	99.2	99.8	100.1	100.7
150°	110.9	110.1	109.6	109.2	109.1	108.9	109.1	108.9	109.2	109.4	110.1
152.5°	120.0	119.2	119.1	118.6	118.2	118.0	118.0	117.9	118.0	118.0	118.6
155°	128.7	128.2	127.7	127.2	126.8	126.5	126.5	126.2	126.3	126.2	126.3
157.5°	136.8	136.2	135.8	135.2	134.9	134.4	134.2	133.9	133.9	133.3	133.3
160°	144.4	143.5	143.0	142.5	142.1	141.5	141.4	140.7	140.5	140.2	140.0
162.5°	151.2	150.5	150.0	149.3	149.0	148.4	148.0	147.4	147.0	146.7	146.5
165°	158.0	157.4	156.8	156.0	155.6	155.1	154.7	154.2	153.9	153.3	153.2
167.5°	165.3	164.4	164.0	163.3	163.0	162.3	162.1	161.6	161.3	161.0	161.0
170°	171.8	171.1	170.8	170.4	170.0	169.5	169.3	168.8	168.6	168.5	168.5
172.5°	178.0	177.4	177.1	176.9	176.5	176.2	176.0	175.8	175.5	175.5	175.3
175°	182.8	182.5	182.3	182.0	181.8	181.8	181.6	181.6	181.6	181.5	181.5
177.5°	186.3	186.2	186.2	186.2	186.0	186.0	186.0	186.0	186.0	185.8	185.7
180°	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3



TEST NUMBER: P1444561  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7
2.5°	44947.5	44935.7	44904.6	44889.2	44860.5	44845.9	44823.5	44809.0	44790.8	44777.4	44770.4
5°	46192.8	46135.4	46020.2	45949.2	45824.9	45743.0	45619.5	45528.9	45401.3	45307.3	45186.7
7.5°	47813.1	47724.9	47577.3	47465.4	47291.5	47158.5	46963.2	46807.0	46591.2	46412.1	46191.6
10°	48472.8	48421.3	48355.1	48283.1	48186.7	48092.1	47958.8	47822.9	47641.8	47461.7	47226.2
12.5°	47497.8	47546.2	47641.8	47686.4	47759.5	47784.3	47817.8	47802.1	47772.5	47698.9	47592.2
15°	44736.5	44938.8	45258.5	45479.6	45789.4	46007.0	46294.9	46480.2	46693.6	46821.1	46942.3
17.5°	40194.4	40585.7	41149.7	41599.7	42203.9	42695.1	43296.9	43769.7	44315.7	44734.6	45180.4
20°	34376.6	34924.6	35703.2	36364.5	37239.9	37982.3	38933.3	39729.9	40659.3	41433.9	42270.0
22.5°	28115.1	28759.6	29651.9	30449.5	31494.8	32428.6	33620.1	34673.4	35929.8	37055.3	38300.3
25°	22208.1	22839.8	23748.6	24574.5	25703.1	26731.7	28033.4	29241.8	30699.7	32059.2	33620.1
27.5°	17142.5	17703.6	18502.6	19246.0	20279.5	21289.3	22610.4	23899.0	25454.7	26915.8	28597.8
30°	13238.9	13694.0	14334.2	14932.2	15762.0	16587.8	17764.5	18956.3	20504.3	22018.3	23742.8
32.5°	10259.7	10647.8	11182.2	11667.7	12307.0	12929.7	13796.2	14748.6	16106.5	17556.7	19224.2
35°	7942.2	8274.2	8729.0	9147.2	9673.0	10167.3	10814.0	11493.7	12529.9	13749.8	15242.0
37.5°	6331.9	6467.3	6791.9	7134.6	7571.3	7977.5	8483.3	8985.9	9727.2	10689.8	11908.8
40°	4815.3	5030.3	5294.5	5564.4	5895.0	6220.9	6775.8	7042.9	7531.1	8222.1	9168.2
42.5°	3885.4	4036.5	4222.5	4410.1	4640.5	4867.5	5148.2	5434.0	5799.0	6266.9	6940.0
45°	3251.3	3349.9	3469.8	3594.9	3746.1	3901.0	4089.0	4285.2	4532.5	4820.2	5228.9
47.5°	2827.8	2882.3	2960.5	3045.9	3149.6	3256.9	3379.0	3504.1	3657.8	3828.4	4061.2
50°	2497.2	2542.6	2603.4	2660.4	2732.1	2842.0	2890.4	2959.5	3051.9	3152.3	3282.5
52.5°	2258.0	2288.2	2326.3	2359.2	2404.5	2445.6	2499.5	2547.1	2611.1	2671.3	2755.4
55°	2071.6	2082.6	2104.3	2125.4	2156.7	2184.8	2221.8	2252.9	2293.7	2329.8	2382.7
57.5°	1927.8	1928.8	1938.8	1949.7	1969.9	1987.5	2013.0	2033.5	2061.8	2084.8	2116.6
60°	1824.3	1818.9	1820.8	1824.7	1836.1	1847.5	1863.8	1877.2	1894.9	1907.9	1925.8
62.5°	1738.3	1729.6	1727.7	1726.7	1732.3	1736.5	1745.3	1751.8	1762.0	1767.6	1777.1
65°	1629.6	1619.5	1615.5	1610.7	1612.5	1611.1	1614.4	1614.6	1619.8	1620.9	1626.4
67.5°	1531.0	1522.5	1517.4	1511.1	1508.2	1503.7	1501.7	1497.4	1496.7	1493.1	1492.2
70°	1441.1	1432.8	1428.4	1422.6	1419.6	1413.6	1410.0	1402.7	1398.4	1391.5	1387.7
72.5°	1337.1	1332.5	1331.1	1327.1	1326.1	1322.8	1321.3	1316.1	1313.1	1307.2	1303.9
75°	1228.3	1224.5	1224.1	1220.2	1219.9	1215.9	1214.8	1209.4	1206.5	1200.7	1198.3
77.5°	1098.9	1093.1	1091.5	1086.8	1088.0	1086.0	1087.7	1083.6	1081.7	1075.9	1074.0
80°	952.9	945.7	942.7	936.5	938.2	935.3	938.2	937.8	939.9	935.3	934.5
82.5°	780.2	772.2	770.7	766.4	769.2	769.5	775.7	772.3	773.7	769.3	771.1
85°	567.7	561.7	553.4	552.2	547.0	552.4	545.2	550.1	542.2	547.7	540.5
87.5°	352.0	339.7	333.2	324.3	320.9	312.5	309.0	302.8	304.7	301.8	303.5
90°	111.2	100.3	96.9	87.3	85.4	76.9	76.8	70.4	71.1	64.6	65.7
92.5°	6.8	6.8	6.7	7.2	6.8	6.8	6.7	7.2	6.8	7.2	6.8
95°	7.4	7.4	7.4	7.4	7.4	7.4	7.5	7.5	7.5	7.5	7.5
97.5°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.3	8.3	8.3	8.3
100°	8.6	8.8	8.8	8.8	8.8	9.0	9.0	9.0	9.3	9.3	9.3
102.5°	9.7	9.7	9.7	9.8	9.8	9.8	10.0	10.2	10.2	10.5	10.7
105°	10.5	10.7	10.7	10.9	10.9	11.0	11.2	11.4	11.6	11.8	12.0
107.5°	11.4	11.6	11.8	12.0	12.0	12.3	12.6	12.8	13.0	13.3	13.9
110°	12.6	12.8	13.0	13.3	13.7	13.9	14.2	14.4	15.0	15.3	16.0



TEST NUMBER: P1444561  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	14.0	14.4	14.4	15.0	15.3	15.8	16.2	16.7	17.4	17.9	18.5
115°	15.8	16.2	16.3	17.0	17.4	17.9	18.5	19.3	20.2	20.8	21.6
117.5°	17.6	18.3	18.6	19.3	19.8	20.8	21.4	22.5	23.5	24.4	25.1
120°	20.5	20.9	21.6	22.5	23.2	24.1	25.1	26.2	27.3	28.5	29.5
122.5°	23.7	24.4	25.1	26.2	27.1	28.3	29.5	30.9	32.1	33.5	34.6
125°	27.8	28.8	29.8	30.9	32.1	33.5	34.6	36.3	37.6	39.2	40.6
127.5°	32.7	33.8	35.0	36.3	37.6	39.2	40.6	42.3	43.6	45.5	46.7
130°	38.8	39.9	41.1	42.8	44.1	45.8	47.4	49.3	50.6	52.3	53.8
132.5°	45.8	47.3	48.5	50.1	51.6	53.2	55.0	56.6	58.3	60.1	61.5
135°	53.9	55.3	56.6	58.3	59.7	61.6	63.1	65.0	66.2	68.1	69.4
137.5°	62.7	64.1	65.6	67.1	68.5	70.3	71.8	73.4	74.8	76.4	77.8
140°	72.2	73.6	74.8	76.4	77.8	79.2	80.4	82.1	83.3	84.9	86.1
142.5°	81.9	83.3	84.1	85.4	86.6	88.2	89.4	90.8	91.7	92.9	93.9
145°	91.7	92.9	93.8	94.9	95.9	97.1	97.9	99.1	99.8	100.7	101.5
147.5°	101.4	102.2	102.7	103.7	104.5	105.2	106.1	106.9	107.3	108.2	108.9
150°	110.3	111.0	111.4	112.2	112.6	113.3	113.5	114.2	114.5	115.2	115.6
152.5°	118.7	119.1	119.1	119.7	119.8	120.2	120.3	120.9	121.0	121.4	121.9
155°	126.2	126.3	126.3	126.5	126.5	126.7	126.7	127.2	127.4	127.5	127.9
157.5°	133.2	133.0	133.0	133.0	132.8	133.0	133.0	133.2	133.3	133.9	134.2
160°	139.5	139.3	139.1	139.1	139.1	139.1	139.1	139.5	139.7	140.3	140.7
162.5°	146.0	145.8	145.6	145.6	145.6	145.8	146.0	146.5	146.7	147.2	147.7
165°	153.0	153.0	152.7	153.0	153.0	153.2	153.3	153.7	154.2	154.7	155.1
167.5°	160.9	160.9	160.9	161.0	161.0	161.2	161.3	162.0	162.1	162.8	163.0
170°	168.3	168.5	168.3	168.5	168.5	168.6	168.8	169.0	169.3	169.7	169.8
172.5°	175.3	175.3	175.3	175.3	175.3	175.5	175.5	175.8	175.8	176.0	176.0
175°	181.3	181.3	181.3	181.3	181.3	181.1	181.1	180.8	180.8	180.8	180.8
177.5°	185.5	185.1	185.0	185.0	184.8	184.6	184.6	184.4	184.4	184.4	184.1
180°	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3



TEST NUMBER: P1444561  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7
2.5°	44761.4	44760.9	44756.5	44758.5	44759.3	44762.5	44766.4	44770.4	44771.1	44774.3	44775.0
5°	45096.4	44985.6	44903.7	44813.6	44745.8	44684.9	44644.3	44612.0	44599.5	44602.7	44610.2
7.5°	46004.7	45776.2	45587.5	45373.1	45194.2	45004.9	44847.9	44698.7	44590.0	44509.0	44463.7
10°	47001.5	46723.1	46456.7	46146.4	45852.0	45537.8	45253.3	44966.8	44727.9	44520.5	44368.1
12.5°	47443.8	47247.1	47016.8	46724.0	46408.9	46046.5	45680.4	45288.0	44923.0	44584.2	44311.0
15°	46975.5	46975.9	46891.9	46751.4	46532.7	46242.9	45894.2	45485.1	45054.6	44615.2	44213.8
17.5°	45488.8	45769.3	45925.3	46024.0	45993.7	45887.0	45665.0	45350.9	44949.5	44481.5	43991.7
20°	42935.7	43597.2	44068.9	44493.2	44730.9	44888.9	44873.1	44745.3	44459.3	44061.5	43551.4
22.5°	39359.1	40469.6	41345.9	42163.0	42736.0	43202.2	43423.8	43517.8	43388.4	43111.2	42632.2
25°	35015.1	36525.0	37813.4	39064.0	40002.0	40808.1	41292.5	41633.8	41661.0	41516.1	41088.8
27.5°	30188.1	31970.3	33601.1	35263.1	36582.1	37741.0	38501.4	39058.0	39234.8	39211.4	38823.4
30°	25367.2	27238.3	29035.9	30973.7	32606.0	34086.6	35091.0	35843.8	36133.8	36189.3	35816.1
32.5°	20814.5	22659.4	24452.1	26478.1	28274.3	29971.2	31157.9	32052.0	32389.2	32468.7	32059.2
35°	16682.5	18384.7	20088.2	22051.8	23837.7	25594.9	26845.3	27781.4	28096.3	28149.4	27675.5
37.5°	13099.4	14549.6	16034.0	17795.8	19435.9	21086.1	22274.2	23153.9	23383.4	23369.2	22832.8
40°	10082.4	11209.9	12402.6	13853.1	15216.5	16611.6	17614.9	18342.1	18462.6	18373.3	17809.8
42.5°	7581.4	8395.7	9260.5	10343.1	11354.8	12398.9	13128.9	13668.7	13685.9	13544.7	13038.9
45°	5648.1	6442.6	6805.3	7459.9	8111.6	8805.8	9251.4	9584.9	9533.3	9409.1	9024.7
47.5°	4305.7	4611.0	4934.9	5340.8	5720.4	6508.2	6449.8	6985.3	6599.6	6862.7	6283.6
50°	3419.2	3589.8	3764.4	3979.7	4178.0	4383.9	4512.7	4608.7	4596.3	4555.0	4444.1
52.5°	2908.9	2961.7	3047.6	3170.1	3280.8	3392.2	3465.4	3525.1	3526.2	3509.5	3453.5
55°	2431.2	2498.1	2559.9	2640.0	2776.4	2797.4	2902.4	2881.1	2889.4	2860.3	2890.1
57.5°	2143.5	2182.5	2217.3	2264.9	2304.4	2350.4	2377.5	2403.6	2401.1	2395.4	2366.8
60°	1939.7	1961.3	1980.5	2008.4	2030.0	2056.0	2068.5	2081.8	2077.4	2067.8	2042.3
62.5°	1782.5	1796.1	1807.1	1825.0	1838.2	1854.4	1860.8	1866.5	1860.8	1851.7	1829.2
65°	1627.6	1636.2	1643.2	1656.7	1666.1	1679.9	1685.4	1690.7	1685.5	1678.4	1661.3
67.5°	1487.8	1488.6	1487.9	1493.4	1496.2	1504.6	1507.1	1510.9	1504.9	1498.7	1484.3
70°	1381.7	1379.5	1376.9	1379.0	1379.5	1383.6	1384.2	1383.6	1376.4	1365.7	1349.9
72.5°	1298.8	1297.6	1295.6	1297.4	1297.4	1301.1	1300.0	1298.1	1289.3	1278.9	1263.3
75°	1192.2	1191.4	1187.4	1187.6	1184.2	1185.4	1181.1	1178.6	1168.8	1160.1	1146.1
77.5°	1067.6	1065.5	1059.7	1057.6	1051.2	1048.5	1040.4	1036.4	1026.4	1019.5	1007.4
80°	928.3	926.2	918.7	914.5	904.6	898.2	886.2	879.3	867.9	861.1	849.4
82.5°	767.4	768.1	760.7	755.5	741.2	730.2	714.2	705.6	692.9	686.3	674.3
85°	545.7	537.9	542.1	541.7	532.8	523.3	510.3	501.1	490.4	484.1	475.7
87.5°	299.3	301.2	299.0	297.2	290.9	286.0	275.9	270.5	262.8	258.9	252.6
90°	59.2	60.4	54.4	55.8	49.9	48.6	41.5	41.3	35.0	34.3	29.3
92.5°	6.8	6.8	7.2	6.8	7.2	7.2	7.2	7.2	7.2	6.8	7.2
95°	7.5	7.7	7.7	7.7	7.7	7.7	7.9	7.9	7.9	7.9	7.9
97.5°	8.5	8.5	8.5	8.6	8.6	8.6	8.8	8.8	8.8	8.8	8.8
100°	9.5	9.7	9.7	9.7	9.8	9.8	10.0	10.0	10.2	10.2	10.2
102.5°	10.7	10.9	11.0	11.2	11.4	11.4	11.6	11.6	11.8	11.8	11.8
105°	12.1	12.3	12.8	13.0	13.2	13.3	13.7	13.7	13.9	14.0	14.0
107.5°	14.2	14.4	14.8	15.1	15.3	15.8	16.0	16.2	16.3	16.5	16.7
110°	16.3	16.7	17.4	17.6	18.1	18.5	18.8	19.1	19.5	19.7	20.2



TEST NUMBER: P1444561  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	19.1	19.7	20.5	20.8	21.4	21.8	22.5	22.8	23.2	23.7	23.9
115°	22.5	23.2	23.9	24.6	25.3	26.0	26.7	27.0	27.4	27.9	28.5
117.5°	26.3	27.1	28.1	29.0	29.8	30.4	31.3	32.0	32.7	33.3	33.8
120°	30.9	32.0	32.8	33.8	34.8	35.8	36.7	37.4	38.1	39.0	39.8
122.5°	36.0	37.1	38.5	39.3	40.6	41.5	42.8	43.4	44.4	45.5	46.4
125°	42.0	43.1	44.4	45.6	46.7	48.0	49.3	50.1	51.5	52.3	53.6
127.5°	48.5	49.6	51.1	52.3	53.8	55.0	56.2	57.3	58.6	59.7	61.3
130°	55.5	56.6	58.3	59.4	60.9	62.2	63.6	65.0	66.2	67.8	69.2
132.5°	62.9	64.4	65.9	67.1	68.7	69.9	71.5	72.7	74.5	75.7	77.4
135°	71.1	72.2	73.8	75.0	76.6	77.8	79.2	80.8	82.4	83.9	85.6
137.5°	79.1	80.3	81.7	82.9	84.5	85.6	87.3	88.5	90.4	91.7	93.8
140°	87.3	88.4	89.6	90.8	92.1	93.3	94.9	96.2	97.9	99.4	101.2
142.5°	95.0	95.9	97.1	98.0	99.4	100.4	101.9	103.4	104.9	106.6	108.2
145°	102.6	103.4	104.4	105.2	106.2	107.3	108.9	110.2	111.7	113.3	114.9
147.5°	109.6	110.2	111.2	112.1	113.1	113.8	115.4	116.5	118.0	119.6	121.0
150°	116.4	116.8	117.5	118.2	119.2	120.2	121.4	122.6	124.2	125.6	126.8
152.5°	122.4	122.9	123.5	124.4	125.2	126.2	127.4	128.6	129.8	131.0	132.5
155°	128.6	128.9	129.7	130.5	131.5	132.2	133.3	134.4	135.6	136.8	138.0
157.5°	134.9	135.2	136.0	136.8	137.7	138.6	139.7	140.5	141.7	142.7	143.7
160°	141.4	141.9	142.7	143.5	144.4	145.2	146.2	147.0	148.0	149.0	150.0
162.5°	148.4	149.0	149.8	150.3	151.4	152.1	153.2	153.9	154.8	155.6	156.7
165°	155.8	156.5	157.4	157.9	158.6	159.2	160.2	160.9	161.8	162.3	163.3
167.5°	163.9	164.2	164.6	165.1	166.0	166.5	167.4	167.8	168.6	169.3	170.0
170°	170.4	170.7	170.9	171.5	172.0	172.5	173.0	173.3	174.1	174.6	175.3
172.5°	176.3	176.3	176.9	177.0	177.3	177.4	178.0	178.3	178.6	179.2	179.5
175°	181.1	181.1	181.3	181.3	181.5	181.6	182.0	182.3	182.5	182.7	182.8
177.5°	184.1	184.1	184.1	184.1	184.4	184.4	184.6	184.6	184.8	184.8	185.0
180°	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3



TEST NUMBER: P1444561  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7
2.5°	44773.5	44773.0	44771.5	44769.5	44767.6	44768.7	44770.7	44775.8	44784.8	44797.8	44814.8
5°	44616.4	44625.5	44630.7	44631.3	44626.7	44623.9	44628.1	44640.4	44665.3	44707.0	44763.2
7.5°	44451.6	44462.8	44480.2	44493.2	44495.7	44492.5	44493.2	44512.5	44558.2	44639.3	44753.0
10°	44275.6	44242.1	44259.8	44292.1	44317.7	44322.3	44325.5	44348.3	44415.2	44537.8	44720.4
12.5°	44113.1	44007.2	43986.7	44015.8	44054.8	44067.3	44063.8	44073.6	44152.0	44314.2	44568.7
15°	43899.3	43700.0	43631.9	43639.4	43687.5	43704.9	43692.2	43672.9	43749.3	43947.3	44276.7
17.5°	43553.3	43232.0	43106.8	43101.3	43157.6	43172.5	43141.6	43081.7	43156.9	43404.0	43813.1
20°	43027.4	42553.0	42317.3	42279.8	42341.0	42323.1	42261.4	42170.8	42269.7	42570.0	43056.5
22.5°	42081.9	41480.8	41078.2	40948.2	41021.3	40972.6	40882.5	40766.8	40898.2	41239.5	41781.2
25°	40536.9	39842.5	39291.0	38981.7	39040.0	38952.6	38854.5	38714.3	38871.0	39262.7	39859.1
27.5°	38266.0	37463.8	36780.5	36268.5	36287.3	36172.8	36059.8	35878.4	36073.9	36537.6	37210.2
30°	35246.2	34318.1	33485.9	32789.9	32727.7	32616.7	32501.0	32262.9	32507.6	33062.7	33848.7
32.5°	31453.9	30423.4	29461.9	28582.0	28416.0	28307.6	28204.5	27930.5	28251.0	28898.2	29801.2
35°	27019.0	25921.1	24878.8	23873.8	23598.8	23490.4	23400.3	23137.8	23537.7	24242.0	25217.2
37.5°	22151.0	21029.5	19994.6	18964.1	18575.5	18428.5	18363.1	18191.0	18652.4	19349.0	20328.3
40°	17153.6	16110.8	15183.0	14272.7	13829.7	13604.8	13570.5	13539.2	13985.2	14589.6	15478.4
42.5°	12478.5	11637.3	10921.8	10226.1	9824.7	9517.5	9517.3	9610.6	10012.1	10464.8	11150.2
45°	8631.8	8067.2	7611.3	7146.5	7270.7	6658.4	7018.2	6833.5	7032.0	7323.8	7769.6
47.5°	5933.5	5625.3	5374.9	5115.2	4925.9	4745.1	4760.9	4877.5	5064.4	5237.6	5469.5
50°	4324.5	4167.5	4040.0	3905.1	3810.9	3731.2	3735.8	3786.3	3884.5	3975.7	4097.1
52.5°	3388.5	3301.9	3232.7	3158.2	3108.7	3069.0	3071.2	3095.7	3148.8	3200.9	3270.5
55°	2793.0	2782.5	2692.4	2625.5	2600.0	2573.4	2578.2	2587.9	2624.0	2654.5	2700.6
57.5°	2340.5	2300.0	2273.1	2237.8	2221.6	2203.0	2207.1	2210.8	2235.0	2255.4	2288.6
60°	2021.0	1992.4	1973.3	1949.2	1938.6	1926.7	1929.4	1931.6	1947.1	1960.4	1984.2
62.5°	1808.7	1783.1	1766.5	1747.9	1740.5	1732.5	1734.4	1734.9	1744.6	1754.4	1772.5
65°	1645.9	1625.6	1611.8	1595.8	1587.9	1579.6	1580.5	1580.5	1588.6	1595.8	1609.3
67.5°	1473.7	1458.4	1449.5	1436.8	1431.5	1423.0	1422.8	1420.1	1425.4	1428.3	1437.5
70°	1335.6	1320.1	1308.6	1296.5	1289.8	1282.3	1282.4	1282.6	1288.8	1295.3	1307.1
72.5°	1250.1	1235.4	1225.2	1214.5	1208.2	1201.8	1200.7	1200.1	1204.6	1208.0	1215.9
75°	1137.1	1125.3	1119.3	1109.3	1104.3	1097.1	1096.0	1092.7	1094.8	1095.5	1101.3
77.5°	1000.0	988.8	984.0	973.8	969.6	961.5	960.8	957.1	958.9	957.6	962.2
80°	843.6	833.5	830.8	822.4	820.5	812.9	811.8	807.3	808.7	805.2	806.8
82.5°	669.1	659.8	657.8	650.1	650.1	643.3	643.0	636.2	636.2	630.4	621.0
85°	471.3	464.5	461.6	455.3	453.5	448.1	445.2	438.7	436.3	432.2	430.9
87.5°	248.7	244.4	240.6	237.6	232.1	222.2	221.5	214.6	215.1	210.3	210.6
90°	29.3	24.8	25.0	20.9	20.8	18.3	18.5	17.4	17.0	16.0	15.8
92.5°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
95°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	8.0	8.0
97.5°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	9.0	9.0	9.0	9.0
100°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.5	10.5	10.5	10.5
102.5°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.1	12.1
105°	14.0	14.2	14.2	14.2	14.2	14.2	14.2	14.4	14.4	14.4	14.4
107.5°	16.7	17.0	17.0	17.2	17.0	17.2	17.2	17.4	17.4	17.4	17.4
110°	20.2	20.3	20.5	20.7	20.7	20.8	20.8	20.9	20.9	20.9	20.9



TEST NUMBER: P1444561  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	24.1	24.4	24.6	25.0	25.0	25.3	25.3	25.6	25.6	25.8	25.6
115°	29.0	29.3	29.8	30.2	30.3	30.6	30.6	31.1	31.1	31.1	31.1
117.5°	34.3	35.0	35.5	36.0	36.3	36.7	36.9	37.1	37.1	37.4	37.1
120°	40.3	41.3	42.0	42.5	43.1	43.6	43.9	44.3	44.3	44.3	44.1
122.5°	47.3	48.3	49.0	49.7	50.4	51.1	51.5	51.8	51.8	52.0	51.6
125°	54.4	55.8	56.6	57.6	58.3	59.2	59.4	60.1	60.1	60.1	59.7
127.5°	62.4	63.6	64.6	65.9	66.6	67.4	68.0	68.5	68.5	68.5	68.1
130°	70.4	72.0	73.1	74.5	75.2	76.1	76.6	77.1	77.1	77.4	76.9
132.5°	78.7	80.4	81.7	83.1	83.9	85.0	85.4	86.1	86.1	86.2	85.7
135°	87.3	88.7	90.1	91.7	92.7	93.8	94.2	94.9	94.9	94.9	94.4
137.5°	95.2	97.1	98.4	99.8	100.9	101.9	102.6	103.1	103.1	103.4	102.9
140°	102.7	104.5	106.1	107.3	108.7	109.9	110.3	111.0	111.0	111.0	110.5
142.5°	109.9	111.5	113.1	114.5	115.6	116.7	117.4	117.9	117.9	117.9	117.5
145°	116.5	118.0	119.6	121.0	122.1	123.0	123.5	124.2	124.2	124.2	124.0
147.5°	122.6	124.2	125.4	126.7	127.7	128.7	129.3	129.7	129.8	129.8	129.7
150°	128.4	129.7	130.9	132.1	133.0	133.9	134.2	134.9	135.1	135.2	135.1
152.5°	133.7	134.9	136.0	137.0	138.0	138.7	139.1	139.7	140.2	140.5	140.5
155°	139.0	140.2	141.2	142.1	142.8	143.7	144.4	145.1	145.5	145.8	146.2
157.5°	144.7	145.8	146.7	147.7	148.4	149.3	150.0	150.9	151.4	152.0	152.3
160°	150.9	152.0	152.7	153.7	154.5	155.3	156.0	156.8	157.5	158.0	158.6
162.5°	157.5	158.5	159.0	160.0	160.9	161.6	162.3	163.2	163.9	164.4	165.0
165°	164.2	165.0	165.6	166.5	167.4	168.1	168.6	169.5	170.0	170.7	171.1
167.5°	170.7	171.5	172.0	172.8	173.3	174.1	174.8	175.5	176.0	176.5	177.0
170°	175.8	176.5	177.1	177.6	178.3	179.0	179.3	179.8	180.3	180.8	181.3
172.5°	179.8	180.4	180.8	181.5	181.8	182.3	182.7	183.3	183.6	183.9	184.1
175°	183.0	183.5	183.6	183.9	184.1	184.4	184.8	185.0	185.5	185.7	186.0
177.5°	185.1	185.5	185.7	185.7	185.8	185.8	186.0	186.0	186.2	186.3	186.3
180°	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3



TEST NUMBER: P1444561  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7
2.5°	44838.8	44861.2	44895.6	44926.7	44973.5	45010.5	45065.9	45108.0	45170.6	45211.3	45279.3
5°	44842.8	44930.6	45045.9	45158.4	45293.8	45416.6	45569.3	45699.4	45852.9	45978.0	46135.0
7.5°	44906.2	45075.3	45278.2	45482.5	45713.5	45929.7	46173.2	46393.6	46634.6	46838.5	47061.2
10°	44953.0	45213.9	45512.7	45813.4	46129.9	46424.0	46720.8	46977.3	47217.1	47414.3	47588.7
12.5°	44889.5	45249.0	45632.5	46002.7	46354.6	46659.0	46914.4	47111.7	47247.8	47340.3	47361.9
15°	44674.0	45106.5	45523.4	45892.1	46184.2	46409.4	46526.0	46580.6	46522.0	46424.7	46210.9
17.5°	44271.2	44727.4	45100.1	45391.0	45545.4	45606.5	45509.9	45341.9	45013.6	44649.2	44122.9
20°	43532.8	43957.9	44228.3	44386.9	44345.7	44193.0	43828.4	43385.2	42729.7	42031.1	41109.3
22.5°	42237.7	42609.3	42753.4	42765.2	42513.3	42131.0	41473.4	40713.2	39679.1	38604.1	37282.0
25°	40293.6	40619.1	40641.9	40514.0	40053.1	39433.6	38467.9	37392.5	35987.4	34554.9	32898.2
27.5°	37657.1	37969.3	37892.9	37654.3	37014.3	36185.4	34949.0	33559.8	31827.5	30135.6	28302.9
30°	34342.8	34676.6	34586.9	34280.9	33519.7	32539.9	31085.2	29471.2	27547.9	25740.8	23883.7
32.5°	30376.6	30798.6	30736.7	30445.8	29651.5	28602.9	27024.5	25312.6	23344.9	21564.2	19757.6
35°	25868.4	26380.8	26407.3	26217.2	25479.8	24443.4	22884.7	21227.8	19343.1	17662.8	15993.9
37.5°	21011.4	21605.5	21727.4	21676.2	21065.0	20150.2	18730.0	17243.6	15573.8	14101.3	12674.0
40°	16127.4	16728.8	16937.4	16999.4	16548.3	15839.7	14674.1	13474.4	12113.3	10920.0	9786.7
42.5°	11673.5	12206.6	12408.2	12535.2	12253.6	11781.1	10930.8	10059.6	9062.4	8201.7	7376.6
45°	8107.5	8484.6	8638.0	8765.7	8612.3	8345.7	7808.8	7263.9	6605.6	6043.3	5510.7
47.5°	5668.4	5876.4	5977.6	6039.6	5980.1	5841.1	5548.9	5233.2	4861.7	4533.0	4217.0
50°	4201.6	4312.2	4365.1	4401.0	4357.7	4280.4	4122.2	3950.4	3746.3	3560.2	3378.3
52.5°	3329.6	3393.1	3424.5	3443.8	3419.0	3371.8	3279.6	3177.7	3055.4	2940.4	2880.0
55°	2805.0	2801.7	2874.4	2839.3	2874.4	2796.0	2779.5	2667.5	2565.9	2494.3	2416.9
57.5°	2313.2	2346.2	2360.2	2375.8	2365.7	2351.3	2312.2	2272.1	2218.5	2173.7	2125.9
60°	2002.4	2029.5	2044.8	2060.3	2059.3	2053.9	2031.4	2007.3	1973.9	1947.1	1918.1
62.5°	1788.3	1811.7	1826.9	1841.7	1843.1	1840.8	1823.8	1807.1	1784.3	1767.4	1747.4
65°	1619.8	1636.2	1646.6	1658.4	1657.8	1654.6	1639.0	1625.3	1606.5	1594.8	1580.2
67.5°	1443.5	1456.0	1463.9	1475.1	1477.2	1477.9	1469.5	1463.0	1453.8	1450.5	1445.4
70°	1318.1	1333.2	1346.0	1360.2	1367.8	1371.5	1367.8	1364.5	1359.2	1356.9	1353.0
72.5°	1223.2	1236.0	1246.0	1258.9	1265.9	1271.2	1268.4	1266.5	1261.9	1261.2	1258.5
75°	1105.4	1114.2	1119.8	1129.4	1133.3	1138.1	1135.9	1137.1	1135.6	1139.3	1139.1
77.5°	963.6	970.1	972.8	979.8	980.5	986.3	987.7	994.4	999.3	1010.0	1015.6
80°	804.1	808.3	808.3	815.5	818.7	828.4	833.1	844.2	849.4	858.9	859.8
82.5°	624.6	619.9	624.6	621.6	630.8	641.8	643.3	652.8	655.0	661.0	656.3
85°	427.0	426.7	422.9	423.5	420.7	422.1	420.4	422.2	420.5	420.7	416.4
87.5°	204.6	206.4	202.0	203.4	199.2	201.1	197.3	200.3	195.8	196.4	189.8
90°	15.1	14.8	14.2	14.0	14.4	13.9	13.7	13.3	13.7	13.2	13.2
92.5°	7.2	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.5	7.4	7.4
95°	8.0	8.0	8.0	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
97.5°	9.3	9.3	9.3	9.3	9.5	9.5	9.5	9.5	9.5	9.5	9.3
100°	10.7	10.7	10.7	10.9	10.9	10.9	10.9	10.9	10.9	10.7	10.7
102.5°	12.3	12.3	12.3	12.6	12.6	12.6	12.6	12.6	12.3	12.3	12.1
105°	14.4	14.4	14.8	14.8	14.8	14.8	14.8	14.8	14.4	14.4	14.4
107.5°	17.5	17.5	17.6	17.6	17.6	17.6	17.5	17.4	17.4	17.2	16.7
110°	21.3	20.9	21.3	21.3	21.3	20.9	20.9	20.7	20.5	20.2	19.8



TEST NUMBER: P1444561  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	25.8	25.6	25.6	25.3	25.3	25.0	25.0	24.6	24.4	23.9	23.5
115°	31.1	30.6	30.6	30.3	30.3	30.0	29.5	29.1	28.8	28.1	27.8
117.5°	36.9	36.7	36.7	36.0	35.8	35.3	34.8	34.3	33.8	33.3	32.7
120°	43.9	43.4	43.1	42.5	42.1	41.3	40.9	40.1	39.7	38.8	37.9
122.5°	51.5	50.8	50.4	49.7	49.3	48.3	47.6	46.6	46.2	45.1	44.3
125°	59.4	58.8	58.3	57.4	56.6	55.8	55.0	53.9	52.9	52.0	50.9
127.5°	68.0	67.1	66.6	65.6	64.8	63.6	62.6	61.5	60.6	59.2	58.3
130°	76.6	75.7	75.2	73.9	73.3	71.8	70.9	69.6	68.5	67.3	66.1
132.5°	85.4	84.6	83.9	82.6	81.7	80.4	79.6	78.1	76.9	75.6	74.6
135°	94.1	93.3	92.6	91.4	90.4	88.9	87.9	86.6	85.4	84.3	83.1
137.5°	102.6	101.5	100.7	99.8	98.7	97.3	96.4	95.0	94.1	92.7	91.7
140°	110.2	109.4	108.7	107.7	106.8	105.6	104.5	103.4	102.4	101.2	100.3
142.5°	117.0	116.4	115.7	114.7	113.8	112.7	112.1	111.0	110.1	109.1	108.2
145°	123.5	122.9	122.4	121.4	120.9	119.8	119.2	118.2	117.7	116.7	116.1
147.5°	129.5	128.9	128.6	127.9	127.5	126.7	126.3	125.6	125.2	124.4	124.0
150°	135.1	134.9	134.7	134.2	133.9	133.3	133.2	132.6	132.5	131.9	131.7
152.5°	140.5	140.5	140.5	140.3	140.3	140.2	140.0	139.7	139.5	139.1	139.0
155°	146.5	146.7	146.8	146.8	146.8	146.8	146.8	146.7	146.7	146.5	146.5
157.5°	152.7	153.0	153.3	153.5	153.7	153.7	153.7	153.7	153.7	153.5	153.5
160°	159.0	159.5	159.8	160.0	160.4	160.4	160.7	160.4	160.7	160.4	160.2
162.5°	165.5	166.0	166.3	166.5	166.8	166.8	167.2	167.2	167.2	166.8	166.8
165°	171.8	172.0	172.5	172.7	173.0	173.0	173.2	173.2	173.2	173.0	173.0
167.5°	177.4	177.6	178.1	178.3	178.6	178.6	179.2	179.0	179.0	179.0	179.0
170°	181.6	182.0	182.3	182.5	182.8	182.8	183.0	183.0	183.3	183.0	183.0
172.5°	184.6	184.8	185.1	185.5	185.7	185.7	185.8	185.8	186.0	186.0	186.0
175°	186.2	186.3	186.7	186.8	186.9	187.1	187.1	187.3	187.3	187.3	187.3
177.5°	186.7	186.8	186.8	186.9	187.1	187.1	187.3	187.3	187.6	187.6	187.6
180°	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3



TEST NUMBER: P1444561  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7
2.5°	45321.4	45041.6	45004.6	45024.2	45071.1	45088.3	45138.8	45152.6	45203.4	45215.9	45264.7
5°	46256.6	45886.7	45905.1	45994.0	46128.7	46209.0	46341.4	46410.6	46536.9	46594.4	46708.6
7.5°	47242.7	46952.2	47042.8	47192.8	47376.9	47504.4	47663.4	47767.0	47904.0	47989.1	48098.8
10°	47726.8	47647.2	47747.0	47865.0	47970.1	48052.3	48119.7	48173.7	48209.0	48242.1	48256.6
12.5°	47358.4	47481.6	47498.6	47487.2	47417.5	47364.4	47245.0	47164.0	47020.0	46932.2	46760.9
15°	45992.6	46263.4	46113.4	45886.3	45554.0	45277.0	44885.8	44594.4	44187.0	43910.6	43501.7
17.5°	43595.5	43937.4	43546.5	43021.1	42352.6	41780.7	41068.7	40503.4	39795.3	39280.4	38619.6
20°	40220.9	40540.4	39843.2	38972.2	37938.1	37067.9	36041.7	35222.9	34269.2	33559.8	32703.7
22.5°	36019.2	36246.8	35264.7	34090.4	32773.0	31685.8	30458.8	29477.2	28388.8	27577.8	26665.0
25°	31370.8	31432.3	30254.2	28901.3	27433.1	26211.2	24901.2	23869.1	22759.2	21937.3	21041.3
27.5°	26679.2	26589.1	25315.8	23881.4	22336.9	21066.8	19789.2	18822.1	17849.9	17109.5	16337.7
30°	22250.9	22032.8	20710.7	19236.3	17737.1	16598.7	15538.1	14761.4	13988.0	13400.7	12781.1
32.5°	18190.1	17882.4	16595.4	15214.1	13950.8	13072.4	12285.9	11698.2	11073.6	10577.5	10057.6
35°	14593.3	14265.4	13125.4	11954.3	10998.1	10350.6	9732.5	9250.3	8720.0	8301.5	7849.9
37.5°	11506.4	11237.7	10282.7	9361.2	8638.0	8136.2	7629.7	7235.6	6797.4	6613.3	6130.8
40°	8882.9	8695.1	7948.4	7269.0	6726.0	6490.3	5976.2	5608.0	5280.6	5010.5	4748.9
42.5°	6928.8	6862.3	6135.7	5605.9	5223.4	4926.4	4639.9	4407.3	4180.9	3994.7	3818.9
45°	5084.7	5032.1	4709.4	4403.6	4143.1	3935.5	3741.9	3581.9	3433.8	3311.2	3199.6
47.5°	3959.4	3942.7	3756.8	3567.2	3403.1	3269.7	3144.0	3037.7	2939.5	2857.6	2831.0
50°	3220.4	3218.3	3109.2	2992.2	2875.2	2798.1	2717.9	2655.2	2592.1	2542.9	2491.1
52.5°	2736.3	2724.4	2650.8	2578.6	2509.2	2458.6	2407.3	2367.1	2325.3	2295.1	2262.7
55°	2355.7	2368.1	2325.5	2282.4	2239.0	2207.4	2171.6	2145.1	2116.4	2097.3	2077.8
57.5°	2091.3	2107.8	2085.5	2060.9	2034.5	2013.8	1989.1	1970.8	1951.6	1939.4	1928.1
60°	1899.0	1916.9	1907.9	1895.6	1879.3	1867.0	1851.2	1841.0	1828.7	1821.9	1815.5
62.5°	1735.8	1758.3	1755.1	1749.3	1738.8	1731.9	1723.3	1718.8	1710.7	1707.7	1704.7
65°	1573.0	1598.3	1597.8	1594.9	1589.1	1587.2	1581.8	1580.8	1576.6	1578.3	1578.0
67.5°	1444.9	1466.9	1471.8	1475.3	1475.1	1476.4	1476.0	1478.1	1478.1	1481.3	1483.2
70°	1352.5	1367.8	1371.5	1375.2	1376.2	1379.2	1379.2	1381.0	1380.5	1383.2	1383.6
72.5°	1259.1	1279.3	1283.0	1286.0	1286.0	1288.8	1287.3	1286.8	1282.8	1281.9	1279.1
75°	1143.0	1168.8	1174.4	1178.1	1178.6	1181.1	1177.6	1175.4	1168.8	1166.1	1161.4
77.5°	1021.6	1048.4	1052.3	1053.7	1051.6	1052.0	1044.8	1039.7	1031.2	1027.7	1023.2
80°	863.5	903.0	906.2	903.7	897.6	896.5	889.3	884.7	874.6	871.1	867.2
82.5°	657.1	703.5	710.0	712.8	707.7	708.9	702.1	699.4	690.1	688.4	682.2
85°	414.9	461.2	468.8	467.6	462.7	461.5	457.5	458.8	458.0	460.5	461.8
87.5°	190.6	235.4	246.3	242.7	242.2	239.1	231.9	234.6	238.9	241.7	241.9
90°	13.0	26.3	25.8	27.3	24.4	25.3	22.8	24.4	22.7	24.1	22.5
92.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.2	7.4	7.2	7.4
95°	8.3	8.0	8.0	8.0	7.9	7.9	7.9	7.9	7.9	7.9	7.9
97.5°	9.3	9.0	8.8	8.8	8.8	8.6	8.6	8.6	8.6	8.5	8.5
100°	10.7	10.0	9.8	9.8	9.7	9.7	9.7	9.5	9.5	9.5	9.3
102.5°	12.0	11.4	11.2	11.0	10.9	10.7	10.7	10.5	10.5	10.2	10.2
105°	14.0	13.2	12.8	12.3	12.1	12.0	11.8	11.6	11.4	11.2	11.2
107.5°	16.5	15.1	14.4	14.2	13.9	13.7	13.2	13.0	12.6	12.3	12.1
110°	19.5	17.6	17.0	16.3	16.0	15.3	15.0	14.4	14.2	14.0	13.7



TEST NUMBER: P1444561  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	23.0	20.7	19.7	18.8	18.3	17.6	17.2	16.5	16.2	15.5	15.3
115°	27.0	24.1	23.0	22.0	21.3	20.5	19.7	19.1	18.3	17.6	17.4
117.5°	32.0	28.5	27.0	25.8	25.0	23.9	23.0	22.0	21.3	20.5	19.8
120°	37.1	33.3	31.6	30.3	29.3	27.9	27.0	25.8	24.8	23.9	23.0
122.5°	43.2	39.0	36.9	35.6	34.3	32.8	31.6	30.3	29.1	27.9	27.0
125°	49.9	45.1	43.0	41.5	40.1	38.6	37.1	35.6	34.4	33.2	32.0
127.5°	57.1	52.0	49.7	48.3	46.7	45.1	43.6	42.0	40.6	39.0	37.8
130°	65.0	59.4	57.1	55.5	54.1	52.3	50.9	49.3	47.6	46.2	44.6
132.5°	73.3	67.4	65.1	63.6	62.2	60.4	59.1	57.3	55.8	53.9	52.7
135°	81.7	75.7	73.4	71.8	70.6	68.9	67.4	65.7	64.4	62.6	61.5
137.5°	90.4	84.1	81.9	80.4	79.2	77.8	76.6	75.0	73.6	71.8	70.6
140°	99.1	92.6	90.4	89.2	88.2	86.8	85.6	84.3	83.1	81.7	80.4
142.5°	107.2	100.5	98.4	97.3	96.6	95.4	94.7	93.6	92.6	91.0	90.1
145°	115.4	108.2	106.2	105.2	104.7	103.8	103.1	102.2	101.4	100.4	99.6
147.5°	123.2	115.7	113.5	113.1	112.6	111.7	111.4	110.5	110.2	109.4	108.9
150°	131.0	122.6	120.0	119.7	119.2	118.9	118.6	118.0	117.9	117.4	117.0
152.5°	138.6	128.4	125.6	125.2	125.2	124.7	124.5	124.4	124.4	124.2	124.0
155°	146.0	134.9	131.7	131.2	131.0	130.9	130.7	130.7	130.7	130.7	130.9
157.5°	153.2	141.2	138.0	137.4	137.2	137.0	136.8	136.8	136.8	136.8	137.2
160°	160.0	147.9	144.5	143.9	143.7	143.3	143.0	142.8	142.8	142.8	143.0
162.5°	166.5	154.7	151.6	150.9	150.3	150.0	149.8	149.3	149.3	149.1	149.3
165°	172.7	162.0	158.8	158.1	157.9	157.4	157.0	156.7	156.5	156.3	156.3
167.5°	178.6	169.0	166.5	166.0	165.5	165.0	165.0	164.4	164.4	164.0	164.0
170°	182.8	175.3	173.2	172.8	172.8	172.5	172.1	172.0	171.8	171.5	171.5
172.5°	185.8	180.3	178.6	178.5	178.5	178.3	178.3	178.1	178.1	178.1	178.1
175°	187.3	183.9	183.3	183.0	183.0	183.0	183.0	183.0	183.0	183.0	183.3
177.5°	187.8	186.9	186.7	186.7	186.7	186.7	186.7	186.7	186.7	186.8	186.8
180°	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3



TEST NUMBER: P1444561  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7
2.5°	45273.8	45326.5	45322.6	45371.9	45369.4	45415.8	45406.5	45446.6	45437.5	45471.8	45451.6
5°	46758.9	46859.3	46892.4	46982.9	47001.8	47082.9	47084.6	47148.9	47141.2	47191.6	47164.8
7.5°	48163.8	48257.4	48301.9	48372.3	48407.5	48465.7	48488.6	48536.5	48548.0	48576.3	48575.5
10°	48282.2	48281.9	48304.0	48294.1	48313.8	48302.4	48326.4	48317.7	48353.2	48344.0	48370.9
12.5°	46687.0	46528.7	46470.9	46328.6	46297.5	46175.5	46184.2	46105.9	46143.7	46095.6	46177.5
15°	43258.4	42891.2	42709.7	42390.4	42290.2	42037.8	42017.3	41849.7	41895.0	41807.2	41935.4
17.5°	38192.1	37613.8	37296.5	36830.2	36645.1	36288.0	36216.5	36000.7	36034.2	35925.5	36080.3
20°	32151.5	31452.7	31052.5	30513.3	30272.7	29847.1	29734.3	29492.8	29523.1	29414.9	29590.1
22.5°	26042.1	25310.7	24858.8	24293.5	23986.4	23586.1	23466.1	23223.6	23237.3	23135.8	23304.2
25°	20427.7	19726.4	19287.9	18774.5	18507.9	18140.9	18014.8	17797.0	17809.3	17725.5	17876.7
27.5°	15802.3	15226.9	14859.9	14429.6	14190.7	13889.0	13766.0	13582.8	13582.3	13520.9	13647.2
30°	12348.6	11868.5	11539.0	11164.2	10939.8	10667.6	10548.7	10384.9	10377.7	10334.1	10434.6
32.5°	9668.7	9241.6	8941.2	8611.3	8409.8	8176.2	8063.7	7932.1	7920.1	7880.6	7963.0
35°	7516.1	7156.5	6898.2	6620.5	6640.9	6296.2	6353.5	6085.8	6013.2	5997.4	6058.7
37.5°	5809.1	5530.6	5320.7	5112.7	4971.8	4826.2	4747.7	4677.4	4669.3	4662.5	4705.5
40°	4546.9	4352.0	4199.3	4056.7	3959.7	3870.8	3821.8	3783.2	3774.0	3768.8	3794.8
42.5°	3680.1	3548.5	3450.1	3363.0	3304.2	3255.9	3228.9	3207.4	3200.2	3200.4	3215.7
45°	3109.2	3029.4	2966.0	2911.9	2874.2	2890.7	2842.2	2867.7	2834.0	2868.8	2845.8
47.5°	2738.1	2670.1	2630.9	2592.6	2569.8	2551.5	2552.1	2552.4	2559.6	2560.8	2568.2
50°	2451.7	2412.4	2385.1	2360.6	2348.8	2339.2	2342.5	2345.0	2352.0	2352.5	2358.0
52.5°	2239.8	2213.9	2197.5	2182.3	2177.0	2171.6	2173.9	2172.8	2176.0	2174.4	2178.8
55°	2067.3	2055.1	2050.0	2044.3	2045.1	2043.7	2044.6	2039.1	2035.8	2031.6	2035.5
57.5°	1925.8	1924.1	1927.6	1929.9	1936.4	1938.8	1940.3	1933.9	1927.9	1922.5	1925.6
60°	1816.7	1819.4	1828.0	1835.0	1844.4	1848.7	1851.4	1847.7	1843.3	1838.9	1841.5
62.5°	1709.1	1713.3	1723.7	1731.5	1742.8	1748.6	1755.1	1755.5	1757.1	1755.5	1757.2
65°	1584.3	1589.5	1598.8	1605.3	1615.8	1620.9	1627.6	1628.8	1632.5	1631.6	1634.8
67.5°	1489.4	1494.1	1501.9	1508.1	1517.4	1522.7	1528.5	1528.9	1530.2	1529.9	1532.9
70°	1388.2	1390.5	1397.5	1402.7	1412.0	1417.5	1424.2	1426.1	1430.3	1431.0	1434.3
72.5°	1280.3	1279.3	1283.5	1285.8	1292.8	1297.2	1305.6	1310.2	1317.2	1319.1	1321.6
75°	1162.8	1161.8	1166.7	1168.8	1174.8	1179.1	1188.6	1194.8	1205.5	1210.1	1208.9
77.5°	1026.7	1029.1	1038.4	1043.5	1051.6	1057.1	1069.4	1079.2	1099.0	1107.7	1098.9
80°	874.6	877.0	886.7	891.6	902.0	908.7	922.5	934.0	951.8	955.7	950.6
82.5°	687.6	688.2	697.0	700.6	714.2	724.0	741.6	750.7	761.7	760.0	758.7
85°	468.8	475.1	486.0	496.8	513.4	529.4	545.9	559.6	549.9	565.1	548.1
87.5°	250.5	249.9	264.5	262.2	285.6	299.0	313.3	320.2	327.8	326.3	326.5
90°	24.6	23.0	25.0	23.0	26.2	23.9	28.1	26.2	31.3	28.3	33.8
92.5°	7.2	7.4	7.2	7.4	7.2	7.4	7.2	7.2	7.2	7.2	7.2
95°	7.9	7.9	7.9	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
97.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.3	8.3	8.3
100°	9.3	9.3	9.3	9.3	9.0	9.0	9.0	9.0	9.0	9.0	9.0
102.5°	10.0	10.0	10.0	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
105°	11.0	11.0	10.9	10.9	10.7	10.7	10.7	10.7	10.7	10.7	10.7
107.5°	12.1	12.0	11.8	11.8	11.6	11.6	11.6	11.6	11.6	11.6	11.6
110°	13.3	13.2	13.0	13.0	12.8	12.6	12.6	12.6	12.6	12.6	12.6



TEST NUMBER: P1444561  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	15.0	14.4	14.4	14.2	14.0	14.0	13.9	13.9	13.9	13.9	13.9
115°	16.7	16.5	16.2	16.0	15.8	15.5	15.3	15.3	15.3	15.3	15.3
117.5°	19.1	18.6	18.3	17.9	17.6	17.5	17.4	17.4	17.2	17.4	17.4
120°	22.3	21.6	20.9	20.7	20.3	20.2	19.7	19.7	19.7	19.7	19.7
122.5°	26.0	25.1	24.4	23.9	23.5	23.2	22.8	22.8	22.8	22.8	22.8
125°	30.6	29.8	29.0	28.3	27.4	27.3	27.0	27.0	26.8	27.0	27.0
127.5°	36.5	35.5	34.3	33.6	32.8	32.5	32.1	32.0	32.0	32.1	32.1
130°	43.1	42.1	40.9	40.1	39.2	38.8	38.5	38.1	37.9	38.1	38.5
132.5°	50.9	49.7	48.6	47.6	46.7	46.3	45.6	45.6	45.5	45.6	45.8
135°	59.6	58.5	57.3	56.2	55.3	55.0	54.3	54.3	54.1	54.3	54.8
137.5°	69.1	68.1	66.8	65.9	65.0	64.6	63.9	63.8	63.8	63.9	64.4
140°	79.1	78.0	76.8	75.9	75.2	74.8	74.3	74.3	73.9	74.5	74.6
142.5°	88.9	88.2	87.1	86.4	85.6	85.2	84.9	84.9	84.6	85.0	85.4
145°	98.5	97.9	97.1	96.4	95.9	95.7	95.0	95.2	95.2	95.7	95.9
147.5°	108.0	107.7	106.9	106.6	105.9	105.9	105.6	105.7	105.7	106.1	106.2
150°	116.5	116.4	115.9	115.7	115.4	115.4	115.2	115.4	115.4	115.7	115.9
152.5°	123.8	123.8	123.5	123.5	123.3	123.5	123.5	123.8	124.0	124.4	124.5
155°	130.9	130.9	130.9	131.0	131.0	131.5	131.5	132.1	132.2	132.6	132.8
157.5°	137.2	137.5	137.5	138.0	138.2	138.6	138.7	139.3	139.5	140.2	140.5
160°	143.3	143.7	143.9	144.4	144.7	145.1	145.5	146.0	146.5	147.0	147.4
162.5°	149.3	149.8	150.0	150.3	150.9	151.2	151.6	152.3	152.7	153.3	153.9
165°	156.3	156.5	156.7	156.8	157.4	157.7	158.0	158.6	159.0	159.7	160.2
167.5°	163.9	164.0	163.9	164.0	164.2	164.4	164.6	165.1	165.5	166.2	166.5
170°	171.1	171.1	171.1	171.1	171.1	171.5	171.6	171.8	172.0	172.5	172.7
172.5°	178.0	178.0	177.6	178.0	177.6	178.0	178.0	178.1	178.1	178.3	178.3
175°	183.0	183.3	183.3	183.5	183.3	183.3	183.3	183.3	183.3	183.5	183.5
177.5°	186.8	186.9	186.9	186.9	186.9	187.1	187.1	187.1	187.1	186.9	186.9
180°	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3



TEST NUMBER: P1444561  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7
2.5°	45485.1	45462.3	45485.6	45461.9	45485.6	45457.3	45476.5	45445.8	45453.7	45421.9	45430.0
5°	47204.9	47168.6	47187.9	47140.8	47145.8	47082.9	47081.8	47008.5	46989.2	46905.8	46869.1
7.5°	48595.6	48583.8	48590.5	48560.1	48556.6	48513.7	48493.2	48432.6	48394.5	48317.7	48265.3
10°	48375.5	48411.0	48420.1	48456.3	48463.8	48499.5	48507.0	48542.8	48550.3	48576.8	48577.1
12.5°	46173.7	46294.0	46322.8	46471.6	46534.1	46704.3	46795.5	46982.9	47094.4	47281.3	47396.2
15°	41931.9	42140.2	42223.3	42513.6	42674.2	43013.2	43226.2	43615.5	43890.2	44303.5	44598.4
17.5°	36093.9	36385.0	36516.4	36910.0	37167.0	37667.2	38027.9	38621.4	39075.8	39735.4	40258.1
20°	29620.1	29943.5	30121.8	30571.1	30874.2	31458.7	31908.9	32638.3	33246.5	34082.2	34797.1
22.5°	23357.1	23664.9	23862.8	24319.8	24661.1	25270.8	25774.0	26543.8	27225.3	28167.1	29024.0
25°	17933.8	18215.9	18394.9	18808.2	19128.8	19689.0	20169.5	20909.9	21576.7	22521.3	23400.0
27.5°	13710.2	13946.4	14118.9	14471.4	14754.0	15229.2	15641.9	16253.8	16828.3	17645.6	18428.1
30°	10496.3	10705.8	10873.5	11180.6	11442.6	11854.5	12217.4	12731.4	13206.9	13857.2	14479.7
32.5°	8020.9	8201.2	8350.8	8619.4	8857.2	9228.2	9555.1	10005.6	10413.7	10965.2	11477.4
35°	6115.6	6470.5	6445.3	6815.8	6875.5	7141.7	7433.4	7827.3	8188.7	8657.7	9093.6
37.5°	4746.8	4846.5	4953.4	5117.2	5289.4	5531.6	5778.0	6259.3	6435.8	6790.3	7151.0
40°	3827.8	3895.2	3965.7	4076.5	4197.0	4367.7	4547.1	4776.7	5012.0	5299.4	5592.9
42.5°	3236.0	3274.2	3319.1	3384.3	3458.4	3566.7	3686.7	3842.4	4006.1	4208.3	4414.8
45°	2891.2	2873.1	2886.5	2921.4	2966.2	3031.9	3107.6	3204.1	3310.7	3441.7	3581.2
47.5°	2569.8	2577.1	2581.0	2600.0	2624.0	2668.1	2714.1	2779.5	2905.9	2944.3	3020.5
50°	2357.4	2361.0	2359.8	2369.5	2381.6	2410.3	2440.0	2484.4	2528.7	2587.2	2643.2
52.5°	2179.5	2184.5	2183.9	2190.2	2196.7	2214.8	2233.6	2264.9	2293.9	2331.2	2363.4
55°	2039.0	2045.8	2048.5	2053.8	2057.0	2066.5	2073.9	2088.9	2101.3	2122.4	2141.9
57.5°	1930.9	1940.3	1944.6	1946.4	1942.6	1942.1	1939.6	1942.7	1945.3	1956.6	1967.6
60°	1845.9	1853.3	1854.5	1853.3	1846.4	1841.4	1833.4	1830.8	1829.6	1835.0	1841.0
62.5°	1756.8	1759.5	1757.6	1755.5	1747.4	1742.6	1734.4	1731.4	1728.4	1732.3	1735.5
65°	1633.6	1635.9	1633.6	1632.3	1625.1	1621.3	1614.3	1611.9	1607.9	1609.0	1608.3
67.5°	1533.6	1535.9	1534.0	1532.2	1527.2	1524.8	1519.7	1516.4	1511.5	1509.7	1506.4
70°	1433.8	1435.6	1432.8	1431.0	1425.3	1423.1	1418.4	1417.3	1413.5	1412.6	1408.9
72.5°	1319.1	1319.3	1315.3	1314.1	1310.0	1309.8	1307.7	1309.6	1309.5	1311.4	1310.6
75°	1201.7	1200.1	1195.1	1194.2	1191.1	1192.5	1190.4	1193.2	1193.6	1197.9	1198.4
77.5°	1084.1	1078.0	1068.5	1064.1	1057.7	1056.9	1053.2	1055.7	1054.8	1059.9	1061.8
80°	935.7	928.2	916.0	910.2	902.7	901.6	898.2	901.6	899.9	905.7	909.9
82.5°	747.0	740.5	727.9	723.2	714.6	715.4	711.7	715.4	714.9	723.5	728.6
85°	552.6	548.2	535.2	523.8	511.0	503.4	496.2	494.8	492.7	496.2	499.2
87.5°	319.2	315.1	305.0	298.4	275.9	276.8	268.0	267.5	265.4	263.3	268.0
90°	30.6	35.0	32.1	36.0	33.8	38.5	36.7	41.1	38.1	41.8	39.8
92.5°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	6.8	7.2
95°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
97.5°	8.5	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.5	8.5	8.5
100°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.3	9.3	9.3
102.5°	9.8	9.8	9.8	9.8	10.0	10.0	10.0	10.0	10.2	10.2	10.2
105°	10.7	10.7	10.9	10.9	10.9	10.9	11.0	11.0	11.2	11.2	11.4
107.5°	11.6	11.6	11.6	11.8	11.8	12.0	12.0	12.1	12.3	12.6	12.8
110°	12.6	12.8	12.8	13.0	13.0	13.2	13.3	13.7	14.0	14.2	14.4



TEST NUMBER: P1444561  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	14.0	14.0	14.2	14.4	14.4	14.8	15.0	15.3	15.8	16.2	16.7
115°	15.5	15.5	15.8	16.0	16.3	16.5	17.2	17.5	18.1	18.6	19.3
117.5°	17.5	17.6	17.9	18.1	18.5	19.1	19.7	20.3	20.9	21.6	22.7
120°	20.2	20.3	20.7	20.8	21.4	22.0	22.8	23.7	24.6	25.6	26.8
122.5°	23.2	23.5	23.9	24.4	25.1	26.0	27.0	27.9	29.1	30.3	31.6
125°	27.3	27.8	28.3	29.0	30.0	30.9	32.1	33.3	34.6	35.8	37.4
127.5°	32.7	33.2	33.8	34.6	35.8	36.7	38.1	39.3	40.9	42.5	44.1
130°	39.0	39.7	40.6	41.3	42.8	43.9	45.3	46.6	48.5	49.7	51.6
132.5°	46.6	47.3	48.3	49.3	50.6	52.0	53.6	55.0	56.6	58.1	59.7
135°	55.3	55.9	57.1	58.1	59.6	60.8	62.4	63.8	65.6	66.9	68.7
137.5°	65.1	65.7	66.8	67.8	69.2	70.4	72.0	73.4	75.0	76.4	78.0
140°	75.4	75.9	77.1	78.1	79.2	80.4	82.1	83.3	84.9	86.1	87.4
142.5°	86.2	86.6	87.6	88.5	89.7	90.8	92.1	93.1	94.4	95.4	97.1
145°	96.6	97.1	98.0	98.7	99.8	100.7	101.9	102.9	104.0	104.9	106.1
147.5°	106.9	107.3	108.2	109.1	110.1	110.9	111.7	112.6	113.7	114.5	115.6
150°	116.5	117.0	117.7	118.2	119.2	120.0	121.0	121.7	122.6	123.2	124.2
152.5°	125.4	125.7	126.3	126.8	127.7	128.4	129.1	129.8	130.7	131.2	132.1
155°	133.3	134.0	134.7	135.2	136.0	136.3	137.2	137.7	138.6	139.1	140.0
157.5°	141.2	141.5	142.3	142.7	143.5	144.0	144.7	145.2	146.0	146.5	147.2
160°	148.0	148.6	149.1	149.8	150.5	151.0	151.6	152.3	153.0	153.5	154.2
162.5°	154.5	155.1	155.8	156.3	157.0	157.7	158.1	158.8	159.7	160.0	160.9
165°	160.9	161.3	162.1	162.5	163.3	164.0	164.4	165.1	165.6	166.3	166.8
167.5°	167.2	167.5	168.3	168.8	169.5	170.0	170.7	171.1	171.8	172.1	172.8
170°	173.2	173.7	174.1	174.6	175.1	175.5	176.2	176.5	177.1	177.4	178.1
172.5°	178.6	179.0	179.3	179.5	179.8	180.3	180.6	180.8	181.3	181.6	182.0
175°	183.5	183.5	183.6	183.8	183.9	183.9	184.1	184.4	184.6	184.8	185.0
177.5°	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9
180°	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3



TEST NUMBER: P1444561  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7
2.5°	45398.2	45400.1	45363.6	45361.6	45327.2	45323.0	45289.5	45279.3	45252.2	45242.4	45214.7
5°	46775.5	46730.9	46627.9	46567.3	46465.4	46398.0	46287.7	46215.8	46109.4	46029.1	45922.1
7.5°	48168.6	48099.3	47983.6	47889.8	47748.5	47635.6	47470.3	47334.8	47155.6	47000.6	46812.5
10°	48577.1	48566.4	48537.0	48494.0	48428.3	48354.4	48241.8	48124.5	47967.4	47796.9	47587.8
12.5°	47571.9	47680.4	47828.5	47916.2	48022.9	48069.7	48113.4	48102.5	48073.7	47987.4	47866.6
15°	45025.4	45330.4	45734.4	46047.4	46407.5	46669.2	46958.2	47138.3	47318.0	47400.9	47451.7
17.5°	40974.6	41552.1	42276.3	42876.5	43569.0	44125.2	44734.9	45193.9	45665.9	46004.0	46309.8
20°	35771.3	36608.1	37632.3	38537.2	39589.4	40503.8	41505.7	42328.3	43176.5	43839.8	44467.7
22.5°	30127.5	31121.2	32359.6	33506.7	34863.1	36082.1	37457.5	38654.6	39904.4	40948.6	41958.2
25°	24577.7	25667.6	27021.7	28301.5	29837.6	31255.6	32886.7	34378.7	35994.0	37396.6	38782.1
27.5°	19510.0	20580.0	21962.4	23324.8	24949.2	26460.1	28207.7	29851.4	31690.8	33387.0	35122.2
30°	15344.8	16252.3	17491.9	18811.4	20413.5	21951.0	23717.7	25408.2	27321.7	29173.6	31128.1
32.5°	12157.2	12848.6	13823.1	14938.8	16417.1	17880.8	19563.0	21194.8	23079.2	24950.0	26982.7
35°	9655.0	10194.3	10937.3	11808.0	13059.9	14321.6	15809.5	17293.6	19051.5	20826.8	22802.5
37.5°	7613.6	8051.0	8632.9	9287.1	10291.2	11326.5	12546.6	13776.9	15304.5	16878.2	18668.8
40°	5945.3	6299.6	6752.6	7240.4	7998.6	8796.4	9739.9	10694.0	11921.3	13207.4	14689.4
42.5°	4670.5	4931.9	5251.9	5608.4	6315.7	6739.3	7379.1	8069.2	8971.4	9905.1	11019.2
45°	3750.8	3929.1	4151.0	4390.1	4718.5	5077.7	5516.0	5975.5	6832.5	7253.0	7930.5
47.5°	3132.4	3252.0	3393.2	3543.9	3737.5	3946.5	4206.3	4472.1	4815.7	5171.9	5589.4
50°	2715.8	2837.5	2885.9	2964.0	3076.0	3195.4	3341.9	3488.4	3672.7	3859.6	4074.4
52.5°	2406.6	2446.3	2499.0	2548.6	2618.1	2753.9	2797.8	2874.4	2977.8	3078.8	3191.8
55°	2170.5	2196.3	2230.6	2260.6	2302.6	2342.7	2400.6	2451.6	2520.4	2581.4	2656.4
57.5°	1986.8	2003.2	2027.0	2046.7	2073.8	2096.4	2130.4	2158.0	2197.6	2232.2	2277.5
60°	1853.2	1864.2	1880.2	1893.0	1910.2	1922.1	1938.9	1951.9	1972.9	1990.3	2015.6
62.5°	1744.2	1749.8	1760.2	1767.8	1778.8	1784.8	1793.8	1799.4	1810.9	1819.7	1833.8
65°	1613.3	1614.6	1621.6	1624.8	1633.4	1636.6	1643.9	1646.6	1656.1	1662.5	1675.0
67.5°	1506.0	1503.1	1503.2	1500.8	1501.9	1499.4	1500.1	1497.4	1501.3	1503.2	1512.7
70°	1408.2	1404.0	1402.7	1398.2	1396.8	1392.2	1390.8	1386.7	1386.2	1384.8	1388.2
72.5°	1312.8	1311.6	1311.9	1308.8	1308.4	1305.3	1305.4	1303.5	1305.6	1306.6	1310.9
75°	1203.0	1203.4	1205.5	1202.7	1203.6	1200.9	1201.8	1199.4	1200.7	1200.2	1204.6
77.5°	1069.5	1072.7	1078.5	1077.3	1079.2	1076.2	1077.5	1074.0	1075.0	1072.7	1074.3
80°	919.4	926.0	933.8	933.6	936.8	934.7	937.6	934.3	935.7	931.7	930.6
82.5°	741.1	746.7	755.0	755.3	762.7	764.1	772.2	771.8	777.0	773.7	771.3
85°	506.6	510.4	517.8	521.8	529.3	534.0	541.7	544.9	539.3	549.6	541.4
87.5°	264.5	274.4	268.9	281.7	278.7	291.7	288.8	300.9	298.5	308.8	307.5
90°	45.3	43.9	49.7	49.0	56.4	56.6	64.4	63.9	71.5	71.3	78.7
92.5°	6.8	7.2	7.2	7.2	7.2	7.4	7.2	7.2	7.2	7.4	7.2
95°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.9	7.9	7.9	7.9
97.5°	8.5	8.5	8.5	8.5	8.6	8.6	8.6	8.6	8.6	8.8	8.8
100°	9.3	9.5	9.5	9.5	9.7	9.7	9.8	9.8	10.0	10.0	10.0
102.5°	10.5	10.5	10.7	10.9	10.9	11.0	11.2	11.4	11.4	11.6	11.6
105°	11.6	11.8	12.0	12.1	12.3	12.8	13.0	13.2	13.3	13.7	13.7
107.5°	13.2	13.3	13.9	14.0	14.4	14.8	15.1	15.3	15.8	16.0	16.2
110°	15.0	15.3	15.8	16.3	16.7	17.4	17.6	18.1	18.5	18.8	19.1



TEST NUMBER: P1444561  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	17.2	17.9	18.3	19.1	19.7	20.3	20.8	21.4	21.8	22.5	22.8
115°	20.2	20.8	21.6	22.5	23.2	23.9	24.6	25.3	26.0	26.7	27.0
117.5°	23.5	24.6	25.3	26.7	27.3	28.3	29.1	30.0	30.6	31.3	32.0
120°	27.8	29.0	30.2	31.3	32.3	33.3	34.3	35.3	36.0	36.7	37.4
122.5°	32.8	34.3	35.5	36.7	37.8	39.0	39.9	41.1	42.0	43.0	43.6
125°	38.8	40.1	41.5	43.0	44.1	45.5	46.4	47.6	48.6	49.7	50.6
127.5°	45.5	47.1	48.5	49.9	51.1	52.7	53.6	55.0	55.9	57.1	58.1
130°	52.9	54.8	56.1	57.4	58.6	60.3	61.3	62.6	63.8	65.0	66.1
132.5°	61.3	62.7	64.1	65.7	66.9	68.3	69.4	70.9	71.8	73.3	74.5
135°	70.1	71.6	72.7	74.5	75.4	76.8	78.0	79.2	80.3	81.7	82.9
137.5°	79.1	80.8	81.9	83.3	84.3	85.6	86.6	87.9	88.9	90.4	91.4
140°	88.5	89.9	91.0	92.2	93.3	94.4	95.4	96.6	97.5	98.7	99.6
142.5°	98.0	99.2	100.1	101.4	102.2	103.4	104.0	105.0	106.1	107.0	107.9
145°	107.0	108.2	109.1	110.1	110.5	111.7	112.4	113.3	113.8	114.9	115.6
147.5°	116.4	117.4	117.9	118.9	119.2	120.2	120.7	121.4	122.1	122.6	123.0
150°	124.7	125.7	126.2	126.8	127.4	128.2	128.6	129.1	129.3	129.8	130.3
152.5°	132.6	133.3	133.9	134.4	134.9	135.4	135.6	136.2	136.3	136.5	136.8
155°	140.3	141.2	141.5	142.1	142.3	142.8	142.8	143.3	143.5	143.7	143.7
157.5°	147.7	148.4	148.8	149.1	149.5	150.0	150.2	150.5	150.5	150.9	150.9
160°	154.7	155.1	155.6	156.0	156.5	156.7	156.8	157.4	157.5	157.5	157.5
162.5°	161.2	161.8	162.1	162.5	163.0	163.3	163.5	163.9	164.0	164.2	164.2
165°	167.4	167.8	168.3	168.8	169.0	169.5	169.7	170.0	170.0	170.4	170.4
167.5°	173.2	173.9	174.1	174.6	174.8	175.1	175.3	175.8	175.8	176.0	176.0
170°	178.3	178.6	179.2	179.5	179.7	179.8	180.2	180.3	180.3	180.4	180.4
172.5°	182.3	182.7	182.7	183.0	183.0	183.3	183.5	183.5	183.6	183.6	183.6
175°	185.0	185.1	185.5	185.5	185.5	185.7	185.7	185.7	185.7	185.7	185.7
177.5°	186.9	186.9	186.9	186.8	186.8	186.8	186.8	186.8	186.8	186.8	186.7
180°	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3



TEST NUMBER: P1444561  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7	44922.7
2.5°	45204.9	45185.3	45172.6	45156.5	45146.6	45134.2	45125.0	45117.1	45110.8	45105.0	45100.6
5°	45840.5	45739.5	45661.1	45576.1	45506.4	45436.8	45383.2	45338.8	45308.1	45285.1	45271.5
7.5°	46649.9	46464.9	46300.4	46127.3	45972.0	45819.4	45687.8	45574.5	45489.4	45434.3	45400.8
10°	47372.5	47125.0	46880.1	46622.3	46378.0	46140.9	45922.1	45729.6	45577.3	45476.1	45417.0
12.5°	47696.6	47485.6	47235.5	46955.7	46656.2	46353.2	46057.8	45791.4	45567.8	45417.8	45331.3
15°	47411.2	47324.6	47155.0	46937.7	46653.5	46340.2	45993.4	45667.4	45367.6	45173.1	45060.4
17.5°	46483.0	46603.9	46590.9	46507.8	46303.5	46039.8	45686.4	45320.2	44945.2	44685.2	44543.3
20°	44916.7	45296.6	45489.4	45588.3	45508.1	45337.1	45017.0	44645.5	44208.3	43869.0	43661.9
22.5°	42715.6	43386.3	43804.3	44110.3	44175.1	44116.8	43834.4	43480.9	42993.5	42585.7	42279.8
25°	39881.9	40864.6	41525.3	42043.2	42244.4	42296.3	42055.9	41704.4	41161.3	40686.0	40266.0
27.5°	36544.3	37821.3	38703.4	39399.3	39713.4	39849.6	39628.4	39269.7	38627.1	38059.8	37511.1
30°	32786.8	34301.9	35363.9	36198.3	36581.3	36761.2	36526.2	36125.9	35378.0	34695.4	34004.2
32.5°	28765.1	30423.0	31580.2	32486.4	32865.9	33035.3	32727.7	32278.2	31413.8	30609.7	29803.5
35°	24554.5	26227.8	27394.9	28276.9	28595.0	28697.0	28303.8	27784.2	26826.5	25943.9	25064.9
37.5°	20258.0	21814.9	22875.6	23667.3	23864.0	23881.6	23407.8	22834.0	21827.3	20957.1	20082.1
40°	15998.7	17311.7	18168.1	18801.7	18870.0	18809.1	18293.9	17716.4	16774.7	15995.0	15226.9
42.5°	11986.7	12977.8	13588.8	14023.0	13997.2	13876.8	13404.5	12908.1	12131.2	11537.3	10932.9
45°	8549.5	9203.0	9560.3	9814.4	9732.8	9618.1	9250.5	8902.5	8374.5	7990.9	7584.8
47.5°	5939.5	6719.9	6584.0	7080.7	6652.8	6935.4	6346.7	6022.2	5742.0	5538.3	5308.7
50°	4252.2	4431.0	4517.4	4576.3	4545.0	4501.6	4395.8	4301.2	4173.2	4080.0	3971.3
52.5°	3283.8	3373.2	3422.2	3457.7	3450.7	3434.9	3388.7	3346.5	3286.6	3247.2	3199.6
55°	2781.5	2782.9	2872.9	2834.3	2891.4	2824.5	2850.8	2776.7	2788.7	2725.1	2682.3
57.5°	2311.4	2348.0	2364.5	2380.4	2376.0	2373.1	2355.3	2346.3	2326.2	2320.0	2305.7
60°	2033.2	2052.3	2056.3	2063.6	2057.4	2055.1	2041.1	2036.2	2022.6	2020.2	2010.7
62.5°	1842.4	1852.2	1852.2	1852.2	1844.2	1836.6	1821.0	1812.9	1801.5	1798.9	1793.4
65°	1683.2	1693.3	1695.0	1697.2	1691.4	1685.4	1671.7	1662.9	1651.1	1646.6	1640.2
67.5°	1518.9	1529.7	1533.4	1538.9	1535.5	1534.3	1525.0	1521.5	1513.7	1511.9	1506.0
70°	1389.9	1394.3	1394.0	1393.8	1386.6	1380.1	1369.2	1364.1	1355.9	1354.3	1348.9
72.5°	1313.1	1316.3	1314.2	1311.4	1301.9	1292.3	1279.6	1270.3	1259.6	1253.0	1245.5
75°	1205.0	1209.2	1206.5	1204.8	1196.2	1189.9	1179.7	1174.6	1167.1	1164.9	1159.8
77.5°	1072.4	1074.3	1070.0	1069.5	1063.0	1059.0	1051.4	1050.0	1044.6	1044.8	1039.7
80°	924.7	923.5	916.5	915.2	908.7	907.1	901.1	901.4	897.0	898.8	895.3
82.5°	760.9	756.7	747.6	744.9	737.4	736.7	732.7	736.0	733.4	737.4	735.1
85°	545.2	546.4	542.4	542.4	540.3	541.0	540.6	543.1	543.4	547.1	547.0
87.5°	304.0	308.3	307.5	311.5	311.3	315.8	317.4	324.0	324.8	330.9	330.9
90°	78.5	86.8	86.4	94.7	95.0	103.1	104.5	112.6	113.3	120.2	119.6
92.5°	7.2	7.2	7.4	7.2	7.2	6.8	7.5	6.8	7.2	6.8	6.8
95°	7.9	7.9	7.9	7.9	7.9	7.7	7.7	7.7	7.7	7.7	7.7
97.5°	8.8	8.8	8.8	8.8	8.8	8.8	8.6	8.6	8.6	8.6	8.6
100°	10.0	10.0	10.2	10.0	10.0	10.0	10.0	10.0	10.0	9.8	9.8
102.5°	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.6	11.6	11.6	11.6
105°	13.9	13.9	14.0	14.0	14.0	14.0	14.0	13.9	13.9	13.9	13.9
107.5°	16.3	16.3	16.5	16.5	16.7	16.7	16.7	16.5	16.7	16.5	16.5
110°	19.5	19.7	19.8	19.8	20.2	20.2	20.2	20.2	20.3	20.2	20.2



TEST NUMBER: P1444561  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	23.2	23.5	23.9	23.9	24.1	24.1	24.4	24.4	24.6	24.4	24.6
115°	27.4	27.9	28.3	28.5	29.0	29.1	29.5	29.5	29.8	29.8	29.8
117.5°	32.7	33.2	33.6	34.1	34.4	34.8	35.3	35.5	35.6	35.6	35.8
120°	38.1	38.8	39.7	40.1	40.8	41.1	41.8	42.0	42.3	42.3	42.5
122.5°	44.6	45.3	46.3	46.7	47.6	48.3	48.8	49.3	49.6	49.6	49.7
125°	51.8	52.7	53.6	54.3	55.3	55.9	56.6	56.9	57.4	57.4	57.6
127.5°	59.2	60.3	61.5	62.2	63.4	63.9	64.8	65.1	65.7	65.7	65.9
130°	67.3	68.3	69.6	70.6	71.6	72.4	73.4	73.8	74.5	74.5	74.6
132.5°	75.7	76.8	78.1	79.1	80.3	81.1	82.1	82.4	83.1	83.1	83.3
135°	84.3	85.2	86.6	87.6	88.7	89.7	90.6	91.0	91.7	91.7	91.9
137.5°	92.7	93.8	94.9	95.9	97.1	97.9	98.7	99.2	99.8	100.1	100.1
140°	100.9	101.7	103.1	103.8	104.9	105.7	106.6	107.0	107.7	107.7	107.9
142.5°	108.9	109.6	110.9	111.5	112.4	113.1	113.7	114.2	114.7	114.9	114.9
145°	116.4	116.8	117.9	118.6	119.2	119.7	120.3	120.9	121.0	121.0	121.2
147.5°	123.8	124.2	124.7	125.2	126.1	126.3	126.7	126.8	127.4	127.4	127.4
150°	130.7	130.9	131.2	131.5	131.9	132.1	132.2	132.5	132.6	132.5	132.5
152.5°	137.0	137.2	137.4	137.4	137.5	137.5	137.5	137.4	137.4	137.2	137.0
155°	143.9	143.9	143.9	143.7	143.9	143.7	143.5	143.3	143.0	142.7	142.3
157.5°	150.9	150.5	150.9	150.5	150.3	150.2	150.0	149.3	149.1	148.6	148.2
160°	157.7	157.5	157.5	157.4	157.0	156.7	156.5	155.8	155.5	154.8	154.4
162.5°	164.2	164.2	164.0	163.9	163.5	163.3	163.0	162.3	162.0	161.3	160.9
165°	170.5	170.4	170.4	170.0	169.8	169.5	169.3	168.6	168.3	167.6	167.2
167.5°	176.0	176.0	175.8	175.5	175.3	175.1	174.8	174.3	173.9	173.3	173.0
170°	180.4	180.3	180.3	180.2	179.8	179.7	179.3	179.0	178.5	178.1	177.6
172.5°	183.5	183.5	183.3	183.0	183.0	182.8	182.5	182.3	181.8	181.5	181.3
175°	185.5	185.5	185.1	185.1	185.0	184.8	184.6	184.4	184.1	183.9	183.6
177.5°	186.7	186.7	186.3	186.3	186.2	186.2	186.0	185.8	185.8	185.7	185.5
180°	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3



TEST NUMBER: P1444561  
CATALOG NUMBER: EHBR1-54-UNV-TA-L835

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	44922.7	44922.7
2.5°	45096.7	45094.3
5°	45264.3	45261.7
7.5°	45391.9	45391.0
10°	45406.8	45414.7
12.5°	45316.3	45322.6
15°	45051.8	45064.1
17.5°	44545.9	44562.1
20°	43674.5	43691.4
22.5°	42263.3	42270.4
25°	40211.7	40182.6
27.5°	37414.7	37364.6
30°	33859.0	33810.6
32.5°	29619.7	29589.4
35°	24847.6	24828.5
37.5°	19823.5	19784.5
40°	14946.0	14832.5
42.5°	10668.1	10468.8
45°	7372.6	7136.4
47.5°	5146.8	5000.8
50°	3901.2	3854.0
52.5°	3178.8	3167.7
55°	2682.2	2677.3
57.5°	2308.9	2307.2
60°	2015.6	2015.2
62.5°	1797.1	1797.9
65°	1643.1	1643.4
67.5°	1507.6	1506.6
70°	1350.9	1349.7
72.5°	1243.1	1241.2
75°	1159.8	1158.6
77.5°	1041.2	1039.4
80°	897.7	895.3
82.5°	738.4	735.7
85°	550.7	550.9
87.5°	336.9	336.8
90°	126.2	124.7
92.5°	7.2	7.5
95°	7.7	7.7
97.5°	8.6	8.6
100°	9.8	9.8
102.5°	11.6	11.6
105°	13.9	13.9
107.5°	16.5	16.5
110°	20.2	20.2



TEST NUMBER: P1444561  
CATALOG NUMBER: EHBR1-54-UNV-TA-L835

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	24.4	24.4
115°	29.5	29.5
117.5°	35.6	35.5
120°	42.1	42.1
122.5°	49.5	49.3
125°	57.3	57.1
127.5°	65.6	65.3
130°	73.9	73.8
132.5°	82.9	82.4
135°	91.4	91.0
137.5°	99.6	99.2
140°	107.3	107.0
142.5°	114.7	114.4
145°	121.0	120.7
147.5°	126.7	126.5
150°	132.1	131.7
152.5°	136.3	136.0
155°	141.7	141.2
157.5°	147.4	146.8
160°	153.5	153.0
162.5°	160.0	159.5
165°	166.3	165.6
167.5°	172.1	171.8
170°	177.1	176.9
172.5°	180.8	180.4
175°	183.5	183.3
177.5°	185.5	185.1
180°	186.3	186.3

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-3

Test Date: 07/31/2025

Luminaire Tested: EHBR-60-L835-N

Data in this report applies to families of products including EHBR-60-L835-N

**Test Information**

Test Method: LM-79-2019  
 Report Number: SP1-2506-472-3  
 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-L835-N**  
 Description: Elevate Round Highbay at, 60000 lumens, 3500K 80CRI LEDs with N lens

**Spectral Parameters**

CCT (K): 3468  
 CIE u': 0.2375  
 CIE v': 0.5091  
 Duv: -0.0021  
 CIE x: 0.4049  
 CIE y: 0.3856  
 CIE z: 0.2095  
 Peak Wavelength (nm): 630  
 Dominant Wavelength (nm): 581  
 Purity: 37.24544  
 Rf: 80.1  
 Rg: 101

CRI (Ra):	82.1		
R1:	82.9	R9:	27.6
R2:	85.6	R10:	63.8
R3:	85.9	R11:	81.2
R4:	82.8	R12:	57.2
R5:	81.0	R13:	82.6
R6:	79.7	R14:	91.0
R7:	86.5	R15:	79.4
R8:	72.1		



**Test Conditions**

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

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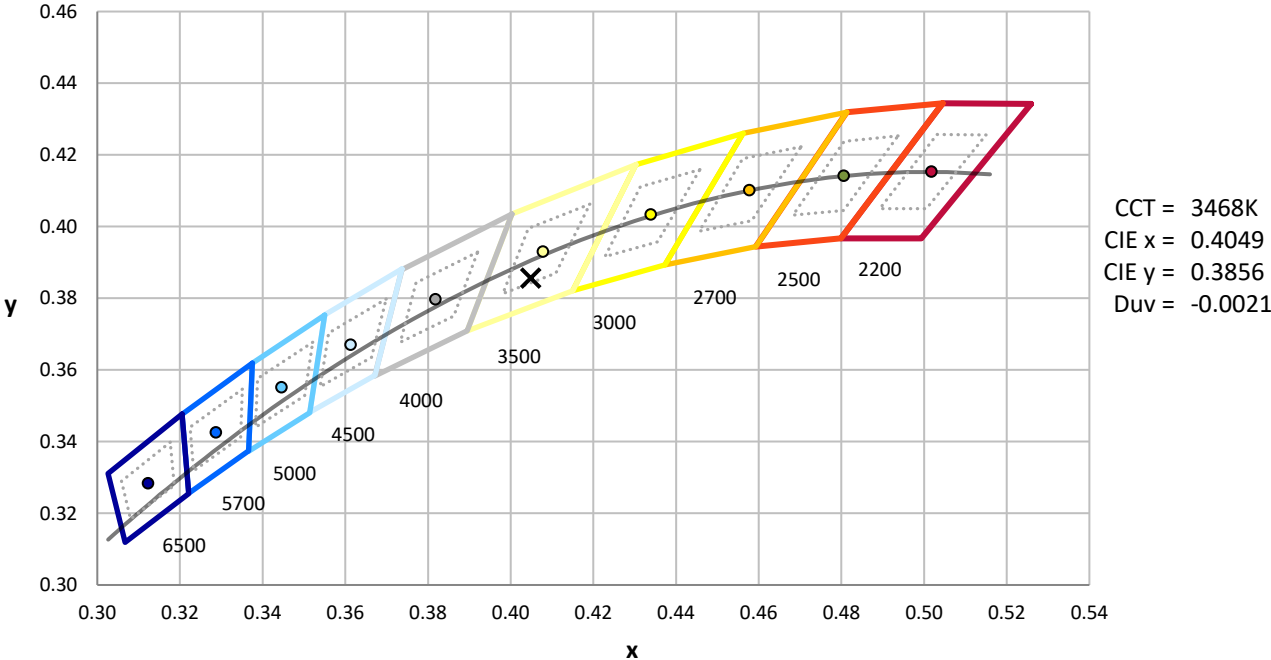
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208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

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CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 3500K 4-step quadrangle

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**Photopic Flux vs. Wavelength**



**Photopic Lumens: NR**

λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	60	NR	620	327	NR	750	7	NR	880	0	NR
365	0	NR	495	82	NR	625	322	NR	755	6	NR	885	0	NR
370	0	NR	500	114	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	152	NR	635	645	NR	765	4	NR	895	0	NR
380	0	NR	510	189	NR	640	197	NR	770	4	NR	900	0	NR
385	1	NR	515	222	NR	645	189	NR	775	3	NR	905	0	NR
390	2	NR	520	248	NR	650	163	NR	780	3	NR	910	0	NR
395	3	NR	525	268	NR	655	134	NR	785	2	NR	915	0	NR
400	4	NR	530	283	NR	660	113	NR	790	2	NR	920	0	NR
405	6	NR	535	294	NR	665	94	NR	795	2	NR	925	0	NR
410	9	NR	540	305	NR	670	87	NR	800	2	NR	930	0	NR
415	18	NR	545	314	NR	675	70	NR	805	1	NR	935	0	NR
420	34	NR	550	323	NR	680	60	NR	810	1	NR	940	0	NR
425	62	NR	555	335	NR	685	51	NR	815	1	NR	945	0	NR
430	102	NR	560	346	NR	690	44	NR	820	1	NR	950	0	NR
435	159	NR	565	356	NR	695	38	NR	825	1	NR	955	0	NR
440	241	NR	570	364	NR	700	32	NR	830	1	NR	960	0	NR
445	363	NR	575	371	NR	705	28	NR	835	1	NR	965	0	NR
450	389	NR	580	375	NR	710	24	NR	840	1	NR	970	0	NR
455	245	NR	585	375	NR	715	20	NR	845	0	NR	975	0	NR
460	158	NR	590	373	NR	720	17	NR	850	0	NR	980	0	NR
465	120	NR	595	364	NR	725	15	NR	855	0	NR	985	0	NR
470	79	NR	600	357	NR	730	13	NR	860	0	NR	990	0	NR
475	57	NR	605	349	NR	735	11	NR	865	0	NR	995	0	NR
480	51	NR	610	371	NR	740	9	NR	870	0	NR	1000	0	NR
485	51	NR	615	387	NR	745	8	NR	875	0	NR			

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**Scotopic Flux vs. Wavelength**



**Scotopic Lumens: NR**

**S/P: 1.43**

λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	60	NR	620	327	NR	750	7	NR	880	0	NR
365	0	NR	495	82	NR	625	322	NR	755	6	NR	885	0	NR
370	0	NR	500	114	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	152	NR	635	645	NR	765	4	NR	895	0	NR
380	0	NR	510	189	NR	640	197	NR	770	4	NR	900	0	NR
385	1	NR	515	222	NR	645	189	NR	775	3	NR	905	0	NR
390	2	NR	520	248	NR	650	163	NR	780	3	NR	910	0	NR
395	3	NR	525	268	NR	655	134	NR	785	2	NR	915	0	NR
400	4	NR	530	283	NR	660	113	NR	790	2	NR	920	0	NR
405	6	NR	535	294	NR	665	94	NR	795	2	NR	925	0	NR
410	9	NR	540	305	NR	670	87	NR	800	2	NR	930	0	NR
415	18	NR	545	314	NR	675	70	NR	805	1	NR	935	0	NR
420	34	NR	550	323	NR	680	60	NR	810	1	NR	940	0	NR
425	62	NR	555	335	NR	685	51	NR	815	1	NR	945	0	NR
430	102	NR	560	346	NR	690	44	NR	820	1	NR	950	0	NR
435	159	NR	565	356	NR	695	38	NR	825	1	NR	955	0	NR
440	241	NR	570	364	NR	700	32	NR	830	1	NR	960	0	NR
445	363	NR	575	371	NR	705	28	NR	835	1	NR	965	0	NR
450	389	NR	580	375	NR	710	24	NR	840	1	NR	970	0	NR
455	245	NR	585	375	NR	715	20	NR	845	0	NR	975	0	NR
460	158	NR	590	373	NR	720	17	NR	850	0	NR	980	0	NR
465	120	NR	595	364	NR	725	15	NR	855	0	NR	985	0	NR
470	79	NR	600	357	NR	730	13	NR	860	0	NR	990	0	NR
475	57	NR	605	349	NR	735	11	NR	865	0	NR	995	0	NR
480	51	NR	610	371	NR	740	9	NR	870	0	NR	1000	0	NR
485	51	NR	615	387	NR	745	8	NR	875	0	NR			

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**Melanopic Flux vs. Wavelength**



**Melanopic Lumens: NR**

**M/P: 2.75**

λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	60	NR	620	327	NR	750	7	NR	880	0	NR
365	0	NR	495	82	NR	625	322	NR	755	6	NR	885	0	NR
370	0	NR	500	114	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	152	NR	635	645	NR	765	4	NR	895	0	NR
380	0	NR	510	189	NR	640	197	NR	770	4	NR	900	0	NR
385	1	NR	515	222	NR	645	189	NR	775	3	NR	905	0	NR
390	2	NR	520	248	NR	650	163	NR	780	3	NR	910	0	NR
395	3	NR	525	268	NR	655	134	NR	785	2	NR	915	0	NR
400	4	NR	530	283	NR	660	113	NR	790	2	NR	920	0	NR
405	6	NR	535	294	NR	665	94	NR	795	2	NR	925	0	NR
410	9	NR	540	305	NR	670	87	NR	800	2	NR	930	0	NR
415	18	NR	545	314	NR	675	70	NR	805	1	NR	935	0	NR
420	34	NR	550	323	NR	680	60	NR	810	1	NR	940	0	NR
425	62	NR	555	335	NR	685	51	NR	815	1	NR	945	0	NR
430	102	NR	560	346	NR	690	44	NR	820	1	NR	950	0	NR
435	159	NR	565	356	NR	695	38	NR	825	1	NR	955	0	NR
440	241	NR	570	364	NR	700	32	NR	830	1	NR	960	0	NR
445	363	NR	575	371	NR	705	28	NR	835	1	NR	965	0	NR
450	389	NR	580	375	NR	710	24	NR	840	1	NR	970	0	NR
455	245	NR	585	375	NR	715	20	NR	845	0	NR	975	0	NR
460	158	NR	590	373	NR	720	17	NR	850	0	NR	980	0	NR
465	120	NR	595	364	NR	725	15	NR	855	0	NR	985	0	NR
470	79	NR	600	357	NR	730	13	NR	860	0	NR	990	0	NR
475	57	NR	605	349	NR	735	11	NR	865	0	NR	995	0	NR
480	51	NR	610	371	NR	740	9	NR	870	0	NR	1000	0	NR
485	51	NR	615	387	NR	745	8	NR	875	0	NR			

**Summary**

$R_f = 80.1$   
 $R_g = 101$   
 $CIE R_a = 82.1$   
 $R_9 = 27.6$



**Color Vector Graphics**

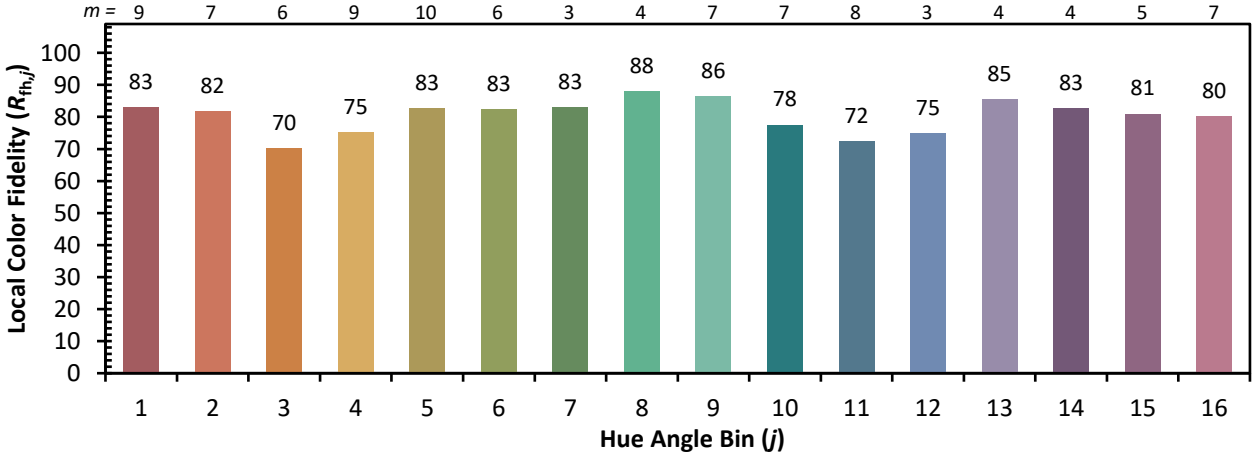


**Individual Sample Fidelity Index ( $R_{f,i}$ )**

CES01 = 86	CES26 = 68	CES51 = 90	CES76 = 59
CES02 = 62	CES27 = 89	CES52 = 90	CES77 = 78
CES03 = 31	CES28 = 84	CES53 = 81	CES78 = 61
CES04 = 70	CES29 = 66	CES54 = 91	CES79 = 86
CES05 = 49	CES30 = 77	CES55 = 90	CES80 = 82
CES06 = 51	CES31 = 69	CES56 = 80	CES81 = 79
CES07 = 42	CES32 = 62	CES57 = 79	CES82 = 92
CES08 = 41	CES33 = 74	CES58 = 81	CES83 = 89
CES09 = 29	CES34 = 72	CES59 = 92	CES84 = 89
CES10 = 75	CES35 = 85	CES60 = 94	CES85 = 82
CES11 = 58	CES36 = 97	CES61 = 90	CES86 = 78
CES12 = 64	CES37 = 79	CES62 = 92	CES87 = 82
CES13 = 43	CES38 = 85	CES63 = 78	CES88 = 86
CES14 = 74	CES39 = 94	CES64 = 79	CES89 = 76
CES15 = 71	CES40 = 89	CES65 = 76	CES90 = 85
CES16 = 47	CES41 = 89	CES66 = 73	CES91 = 83
CES17 = 49	CES42 = 77	CES67 = 70	CES92 = 73
CES18 = 56	CES43 = 74	CES68 = 76	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 81	CES94 = 65
CES20 = 66	CES45 = 83	CES70 = 68	CES95 = 79
CES21 = 86	CES46 = 82	CES71 = 64	CES96 = 85
CES22 = 78	CES47 = 81	CES72 = 88	CES97 = 85
CES23 = 92	CES48 = 80	CES73 = 60	CES98 = 82
CES24 = 91	CES49 = 80	CES74 = 97	CES99 = 81
CES25 = 72	CES50 = 89	CES75 = 64	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)