

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: P1444559

Luminaire Tested: EHBR1-54-UNV-TA-L835-UPL36

Issue Date: 5/1/2026

**Test Information**

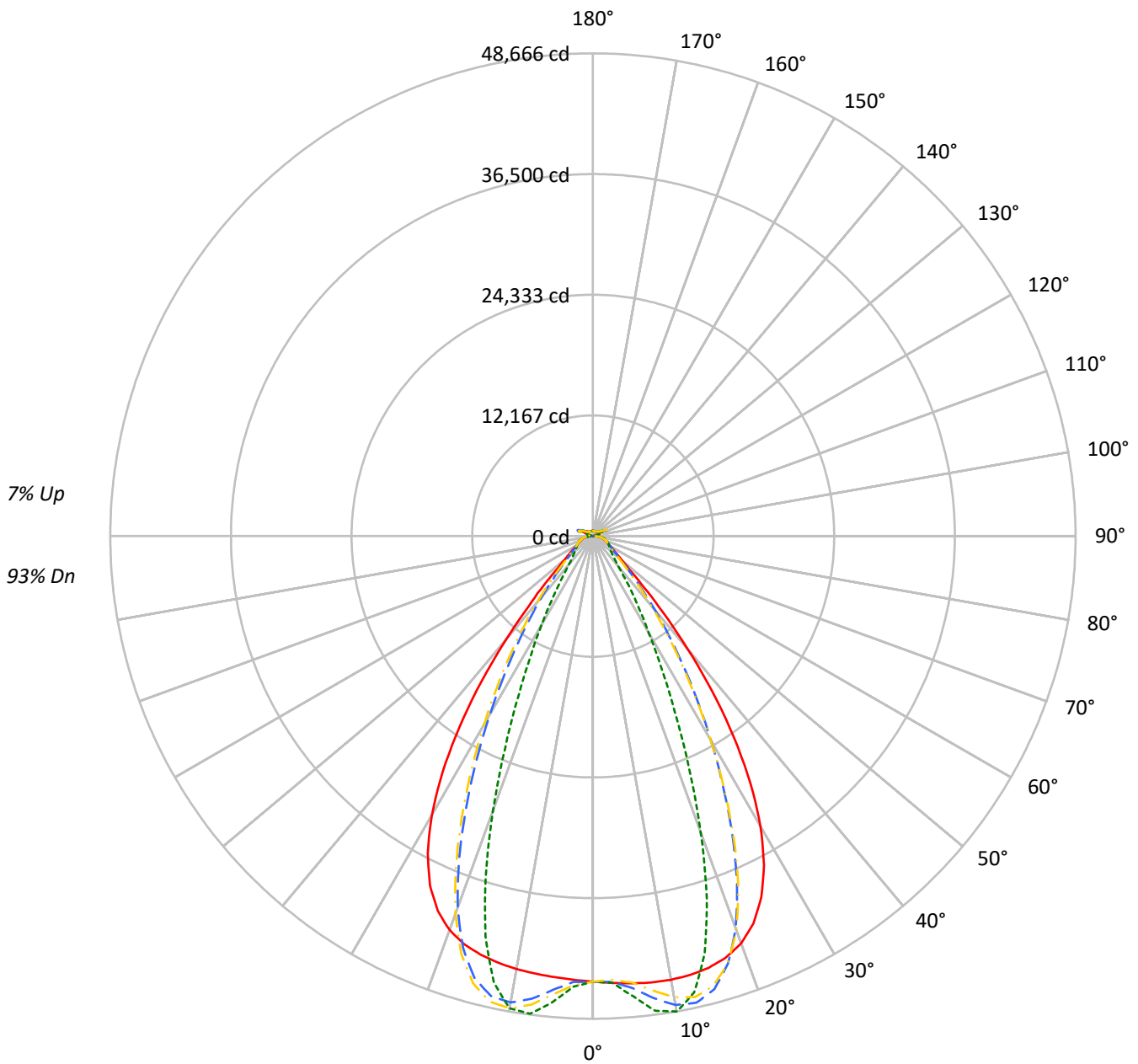
Test Method: LM-79-2019  
Report Number: P1444559  
REPORT IS A COMBINATION OF REPORTS P1444352 AND P1431635  
Test Lab: INNOVATION CENTER  
Issue Date: 5/1/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: EHBR1-54-UNV-TA-L835-UPL36  
Description: Elevate Round Highbay at, 54000 lumens, 3500K 80CRI LEDs with TA lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 55579.6 lumens  
Efficiency: N/A  
Efficacy: 171.3 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): 324.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P1444559  
CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL36

### Luminous Intensity Polar Plot



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



TEST NUMBER: P1444559  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL36

**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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93
1	110	107	104	101	107	104	101	99	99	96	94	94	92	90	89	88	86	86	86	86	84
2	103	97	93	88	100	95	91	87	91	87	84	87	84	81	83	80	78	78	78	78	76
3	97	89	84	79	94	87	82	78	84	79	76	80	77	74	77	74	71	71	71	71	69
4	91	82	76	71	89	81	75	70	78	73	69	75	71	67	72	69	66	66	66	66	64
5	86	76	70	65	84	75	69	64	72	67	63	70	65	62	67	64	60	60	60	60	59
6	81	71	64	59	79	70	63	59	67	62	58	65	61	57	63	59	56	56	56	56	54
7	77	66	59	55	75	65	59	54	63	58	53	61	56	53	60	55	52	52	52	52	50
8	72	62	55	51	71	61	55	50	59	54	50	58	53	49	56	52	48	48	48	48	47
9	69	58	52	47	67	57	51	47	56	50	46	54	49	46	53	49	45	45	45	45	44
10	65	55	48	44	64	54	48	44	53	47	43	51	46	43	50	46	42	42	42	42	41

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	210961	210961	210961	210961
5°	211983	218164	209015	221022
10°	213753	229056	208626	227540
15°	214801	207637	208262	199277
20°	212580	154682	205623	143118
25°	201216	97828	194565	88761
30°	175777	58787	168969	53726
35°	135279	36889	127497	32677
40°	85576	23140	78295	21744
45°	44107	18027	43377	17731
50°	25860	16035	25067	15785
55°	19811	15171	19078	15033
60°	16763	15497	16049	15297
65°	15745	16184	15142	15632
70°	15382	16946	14615	16309
75°	16447	17970	15559	17178
80°	17019	19900	15431	18167
85°	16029	19200	12953	16442

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 25°  
 Vertical Angle: 45°  
 Luminance: 67501 cd/sqm



TEST NUMBER: P1444559  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL36

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4427.2	8.0
10°-20°	12454.3	22.4
20°-30°	14184.4	25.5
30°-40°	10195.1	18.3
40°-50°	4702.0	8.5
50°-60°	2250.1	4.0
60°-70°	1641.8	3.0
70°-80°	1247.3	2.2
80°-90°	573.6	1.0
90°-100°	112.4	0.2
100°-110°	635.6	1.1
110°-120°	1174.0	2.1
120°-130°	720.9	1.3
130°-140°	466.9	0.8
140°-150°	349.1	0.6
150°-160°	245.1	0.4
160°-170°	148.7	0.3
170°-180°	51.1	0.1
0°-30°	31065.9	55.9
0°-40°	41261.1	74.2
0°-60°	48213.1	86.7
0°-90°	51675.8	93.0
90°-120°	1922.0	3.5
90°-150°	3459.0	6.2
90°-180°	3904.0	7.0
0°-180°	55579.6	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°	150	190	44	54	150	94
95°	51	57	52	57	51	49
105°	230	296	155	296	230	304
115°	1025	1240	1074	1241	1025	947
125°	775	808	876	810	775	706
135°	615	542	662	546	615	480
145°	551	531	586	538	551	348
155°	518	518	551	523	518	241
165°	519	517	538	521	519	147
175°	532	537	542	538	532	51
180°	539	539	539	539	539	



TEST NUMBER: P1444559  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL36

**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°	150.5	158.7	161.8	171.4	174.3	183.0	185.4	195.0	198.1	208.0	212.6
92.5°	45.2	48.1	50.8	54.2	57.0	60.9	64.2	67.5	70.4	74.2	80.1
95°	51.3	54.6	57.9	61.2	64.5	67.9	71.2	74.5	77.8	81.1	90.6
97.5°	64.2	67.1	69.9	72.8	75.6	78.5	81.4	84.3	87.1	89.9	101.3
100°	83.2	85.6	88.0	90.5	92.9	95.3	97.7	100.2	102.6	105.0	126.2
102.5°	136.6	145.2	153.8	162.4	170.9	179.4	188.1	196.5	205.1	213.7	258.8
105°	230.0	253.2	276.7	299.9	323.3	346.6	370.0	393.0	416.4	439.6	513.2
107.5°	391.3	434.3	477.5	520.7	563.9	607.0	650.2	693.2	736.2	779.1	853.8
110°	720.2	754.7	789.5	824.2	858.8	893.7	928.3	962.6	997.4	1032.0	1086.5



TEST NUMBER: P1444559  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL36

**CANDELA DISTRIBUTION (continued):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	970.5	986.1	1001.7	1017.5	1033.1	1048.5	1064.2	1079.8	1095.4	1110.8	1149.7
115°	1025.1	1030.4	1036.0	1041.3	1046.8	1052.1	1057.5	1062.7	1068.1	1073.2	1099.5
117.5°	997.4	996.2	995.1	994.2	992.9	991.7	990.6	989.3	987.9	986.6	1001.3
120°	932.6	927.6	922.8	917.6	912.6	907.5	902.5	897.3	892.0	886.6	892.9
122.5°	850.5	844.5	838.9	832.7	826.7	820.4	814.5	807.9	801.9	795.7	797.7
125°	775.0	768.8	763.3	757.0	750.7	744.4	738.2	731.7	725.4	718.8	719.7
127.5°	709.9	705.7	701.4	696.8	692.2	687.6	682.8	678.0	673.4	668.3	668.3
130°	668.7	665.0	661.0	656.8	652.7	648.3	643.8	639.4	635.1	630.4	630.5
132.5°	635.8	633.2	630.3	627.2	624.0	620.4	617.2	613.4	610.1	606.6	606.9
135°	614.6	611.9	609.5	606.5	603.6	600.2	596.9	593.4	590.2	586.6	587.2
137.5°	597.0	594.7	592.2	589.3	586.6	583.4	580.5	577.1	574.0	570.7	571.1
140°	581.1	578.9	576.6	573.9	571.4	568.7	565.7	562.7	559.7	556.6	557.4
142.5°	562.7	560.7	559.1	556.9	554.8	552.2	549.8	547.1	544.7	542.0	543.3
145°	551.1	549.6	548.1	546.3	544.2	542.0	540.0	537.5	535.4	533.1	534.6
147.5°	541.0	539.7	538.7	537.0	535.6	533.5	531.7	529.6	527.9	525.9	527.4
150°	532.3	531.2	530.1	528.6	527.1	525.2	523.6	521.8	520.0	518.1	519.5
152.5°	522.8	521.5	520.6	519.1	517.7	515.7	514.5	512.5	511.0	509.1	510.4
155°	518.0	516.6	515.5	514.1	512.7	511.1	509.5	507.9	506.5	504.7	505.7
157.5°	515.6	514.5	513.6	512.2	511.3	509.9	508.8	507.3	506.1	504.9	505.5
160°	515.9	514.9	513.9	512.5	511.4	510.0	509.1	507.6	506.7	505.4	505.9
162.5°	516.5	515.4	514.2	513.0	512.0	510.5	509.5	508.5	507.3	505.9	506.7
165°	518.6	518.1	517.2	516.3	515.5	514.7	513.9	512.8	512.1	511.0	511.5
167.5°	524.9	523.8	523.0	522.0	521.0	520.0	519.0	518.0	517.2	516.0	516.4
170°	527.9	527.0	526.5	526.0	525.3	524.7	524.2	523.5	522.8	522.1	522.5
172.5°	531.4	530.8	530.5	530.2	529.5	529.1	528.6	528.2	527.9	527.2	527.9
175°	532.3	531.8	531.7	531.4	531.1	530.7	530.6	530.2	530.2	529.7	530.1
177.5°	536.1	536.0	536.0	535.8	535.8	535.6	535.4	535.1	534.9	534.9	535.3
180°	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3



TEST NUMBER: P1444559  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL36

**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°	223.6	229.0	239.7	241.4	249.1	249.9	204.9	201.2	195.7	196.5	189.3
92.5°	86.4	92.1	98.4	104.2	110.4	116.5	117.2	121.7	116.0	109.5	103.9
95°	100.3	110.0	119.7	129.3	139.0	148.7	158.4	168.1	159.1	150.0	140.9
97.5°	112.8	124.2	135.5	147.0	158.4	169.9	181.3	192.8	183.1	173.0	163.3
100°	147.7	169.0	190.2	211.6	232.8	254.1	275.6	296.9	278.2	259.2	240.4
102.5°	304.0	349.5	394.7	439.9	485.1	530.6	576.1	621.5	578.4	535.1	491.9
105°	586.6	660.0	733.4	806.5	880.0	953.4	1027.3	1100.8	1031.9	962.9	894.0
107.5°	928.1	1002.7	1076.9	1151.2	1225.8	1300.2	1375.4	1449.9	1382.6	1315.1	1247.9
110°	1140.7	1194.9	1249.3	1303.4	1357.6	1411.9	1467.1	1521.5	1481.0	1440.5	1400.0



TEST NUMBER: P1444559  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL36

**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	1188.2	1227.2	1265.8	1304.4	1342.9	1381.7	1421.9	1460.9	1440.5	1419.8	1399.6
115°	1125.3	1151.6	1177.5	1203.5	1229.5	1255.3	1283.2	1309.7	1302.9	1296.1	1289.5
117.5°	1015.7	1030.0	1044.6	1058.9	1073.2	1087.4	1104.3	1119.0	1119.8	1120.7	1121.8
120°	898.8	904.8	910.7	916.6	922.3	928.1	936.8	943.2	948.5	953.4	958.7
122.5°	799.8	801.9	803.8	805.9	807.8	809.6	815.0	817.7	821.1	824.5	828.0
125°	720.5	721.4	722.2	723.0	723.5	724.4	729.0	730.3	730.2	730.1	730.0
127.5°	668.2	668.1	667.9	667.8	667.3	667.2	671.0	671.6	668.8	666.3	663.4
130°	630.7	631.0	631.0	631.1	631.4	631.6	636.0	637.2	632.8	628.0	623.7
132.5°	607.1	607.6	607.6	608.2	608.5	608.7	613.7	615.1	610.2	604.8	599.7
135°	587.6	588.2	588.8	589.1	589.7	590.5	596.0	597.6	592.9	587.7	582.9
137.5°	571.5	572.1	572.7	573.4	573.9	574.6	580.7	582.5	578.8	574.4	570.6
140°	558.0	558.8	559.7	560.6	561.4	562.6	569.1	571.3	568.4	565.0	561.7
142.5°	544.2	545.8	547.1	548.7	550.0	551.7	559.4	562.1	559.8	557.1	554.8
145°	535.8	537.8	539.2	541.1	542.8	544.8	553.4	556.8	555.2	553.4	551.8
147.5°	528.3	530.0	531.4	533.1	534.7	537.0	545.9	549.2	548.3	547.2	546.0
150°	520.8	522.5	524.0	525.7	527.7	529.7	539.9	543.7	542.8	541.9	540.8
152.5°	511.7	513.1	514.6	516.1	517.7	519.6	531.7	535.8	535.1	534.0	533.3
155°	506.6	507.6	508.7	509.9	511.1	512.7	525.7	529.7	529.2	528.6	528.1
157.5°	506.0	506.6	507.1	507.9	508.8	509.7	523.2	527.5	526.8	526.3	525.8
160°	506.1	506.6	506.9	507.6	508.0	508.8	522.6	526.5	526.1	525.5	525.0
162.5°	507.2	508.3	508.9	509.4	510.2	511.3	525.2	529.7	528.8	528.2	527.4
165°	511.8	512.0	512.3	512.9	513.1	513.7	526.9	530.4	530.1	529.4	528.9
167.5°	516.7	517.3	517.6	518.2	518.6	519.4	531.7	535.1	534.8	534.2	533.8
170°	522.7	523.3	523.5	524.1	524.7	525.3	535.5	538.4	538.0	537.2	536.6
172.5°	528.2	528.9	529.5	530.1	530.7	531.4	540.1	542.8	542.4	541.8	541.0
175°	530.6	530.8	531.4	532.0	532.5	532.9	539.8	541.8	541.6	541.2	541.0
177.5°	535.7	536.0	536.4	536.9	537.3	537.8	541.8	543.1	543.0	543.0	542.8
180°	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3



TEST NUMBER: P1444559  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL36

**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°	188.1	181.0	182.9	179.5	183.8	180.6	184.7	180.9	186.2	185.6	192.8
92.5°	97.2	91.5	84.8	79.0	72.5	67.0	63.4	61.2	57.7	55.6	52.0
95°	131.9	122.9	113.8	104.7	95.7	86.7	83.4	80.1	76.8	73.5	70.1
97.5°	153.6	143.9	134.2	124.4	114.7	105.0	102.8	100.6	98.4	96.2	94.1
100°	221.5	202.7	184.0	165.0	146.3	127.6	125.9	124.1	122.4	120.6	118.8
102.5°	448.9	405.8	362.8	319.7	276.7	233.6	226.1	218.6	211.1	203.6	196.2
105°	825.0	756.0	687.2	618.2	549.5	480.5	460.1	439.2	418.8	398.2	377.8
107.5°	1180.5	1113.3	1046.1	979.0	911.8	844.6	812.1	779.7	747.0	714.6	682.1
110°	1359.2	1318.8	1278.5	1237.8	1197.7	1157.3	1126.1	1095.3	1064.1	1033.0	1002.2



TEST NUMBER: P1444559  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL36

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	1379.2	1358.8	1338.4	1318.1	1298.0	1277.7	1262.4	1247.3	1232.2	1217.1	1201.7
115°	1282.6	1276.0	1269.3	1262.9	1256.4	1249.8	1248.7	1247.6	1246.3	1245.2	1244.2
117.5°	1122.5	1123.4	1124.2	1125.3	1126.4	1127.5	1135.3	1143.1	1151.1	1159.3	1167.5
120°	963.7	968.7	973.8	979.2	984.4	989.7	1000.1	1010.8	1021.4	1032.5	1043.3
122.5°	831.3	834.6	837.9	841.6	845.0	848.6	858.9	869.5	879.9	890.7	901.6
125°	729.3	729.3	729.0	728.6	728.4	728.5	736.7	745.2	753.9	762.8	771.4
127.5°	660.6	657.7	654.8	652.1	649.2	646.6	651.2	656.2	661.0	666.1	671.3
130°	618.9	614.3	609.3	605.0	600.1	595.6	597.2	598.8	600.6	602.4	604.4
132.5°	594.3	589.0	583.6	578.2	572.9	567.5	566.9	566.5	565.8	565.7	565.7
135°	577.7	572.9	567.5	562.5	557.0	552.3	550.6	548.9	547.3	545.9	544.5
137.5°	566.5	562.3	558.1	554.1	549.7	545.7	543.2	541.3	539.1	537.6	535.5
140°	558.2	555.1	551.4	548.1	544.5	541.4	539.3	537.8	535.8	534.4	532.7
142.5°	552.1	549.6	547.0	544.4	541.8	539.3	537.4	535.8	534.0	532.6	530.9
145°	550.0	548.3	546.5	544.7	542.9	541.1	539.5	538.2	536.9	535.6	534.6
147.5°	544.8	543.6	542.4	541.1	539.8	538.5	537.4	536.8	535.4	534.7	533.8
150°	539.6	538.5	537.4	536.4	535.0	534.1	533.2	532.6	531.8	531.5	530.8
152.5°	532.1	531.2	530.1	529.3	528.0	527.0	526.3	525.9	525.3	524.9	524.1
155°	527.2	526.5	525.7	525.0	524.0	523.5	522.7	521.8	521.2	520.5	519.7
157.5°	525.1	524.5	523.6	523.1	522.1	521.5	520.8	520.1	519.3	518.7	518.0
160°	524.4	523.8	523.0	522.3	521.7	521.0	520.0	519.2	518.2	517.5	516.4
162.5°	526.5	525.6	525.0	524.0	522.9	522.2	521.4	520.8	520.1	519.4	518.6
165°	528.2	527.6	526.9	526.2	525.7	525.0	524.1	523.4	522.2	521.6	520.5
167.5°	533.1	532.6	531.9	531.4	530.7	530.0	529.3	528.3	527.5	526.6	525.4
170°	536.1	535.2	534.6	533.7	533.0	532.1	531.4	530.5	529.6	529.1	528.0
172.5°	540.6	540.2	539.5	538.9	538.0	537.5	537.0	536.2	535.5	534.7	534.2
175°	540.8	540.7	540.5	540.0	539.8	539.4	539.1	538.9	538.6	538.4	537.9
177.5°	542.8	542.6	542.6	542.3	542.1	542.1	541.7	541.5	541.1	540.8	540.6
180°	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3



TEST NUMBER: P1444559  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL36

**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°	190.5	195.2	189.7	190.2	186.3	188.6	180.7	179.4	167.6	164.3	153.9
92.5°	49.5	46.2	43.4	40.4	44.1	46.3	49.8	52.0	55.5	57.7	61.2
95°	66.8	63.5	60.2	56.9	59.5	62.2	64.9	67.5	70.2	72.8	75.4
97.5°	91.8	89.6	87.5	85.2	86.8	88.3	89.9	91.4	92.9	94.4	96.1
100°	117.0	115.3	113.5	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8
102.5°	188.7	181.1	173.7	166.2	171.2	176.3	181.4	186.5	191.5	196.5	201.9
105°	357.2	336.7	316.2	295.7	315.6	335.4	355.3	375.0	394.9	415.0	434.9
107.5°	649.5	617.2	584.8	552.4	588.8	624.8	661.0	697.2	733.2	769.4	805.9
110°	971.4	940.4	909.6	878.8	917.1	955.5	993.8	1032.2	1070.7	1109.1	1147.6



TEST NUMBER: P1444559  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL36

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	1186.7	1171.7	1156.8	1141.7	1166.5	1191.1	1215.8	1240.8	1265.5	1290.4	1315.1
115°	1243.2	1242.3	1241.4	1240.5	1252.2	1263.9	1275.5	1287.5	1299.2	1310.9	1322.9
117.5°	1175.6	1183.7	1192.1	1200.5	1204.3	1208.0	1211.9	1215.7	1219.7	1223.7	1227.7
120°	1054.4	1065.1	1076.4	1087.6	1086.1	1084.5	1083.2	1081.6	1080.6	1079.3	1078.4
122.5°	912.5	923.4	934.6	945.7	942.4	939.1	936.0	932.9	930.0	927.1	924.2
125°	780.7	789.8	799.0	808.4	805.1	801.8	798.6	795.8	792.9	789.9	787.4
127.5°	676.9	682.4	687.9	693.7	692.1	690.6	689.5	688.1	687.2	686.3	685.6
130°	606.5	608.9	611.5	614.0	614.4	614.8	615.7	616.5	617.6	618.5	620.0
132.5°	566.1	566.1	566.6	567.0	568.8	570.5	572.9	574.9	577.5	579.7	582.9
135°	543.7	542.7	542.0	541.5	544.2	546.6	549.6	552.6	556.0	559.5	563.2
137.5°	534.3	532.8	531.8	530.5	533.1	535.7	538.7	541.7	544.9	548.4	552.3
140°	531.5	530.2	529.5	528.3	531.0	533.5	536.5	539.4	542.8	546.3	549.9
142.5°	529.9	528.3	527.7	526.8	528.9	531.4	534.3	536.9	540.0	542.9	546.3
145°	533.5	532.4	531.8	531.2	532.7	534.5	536.5	538.5	540.8	542.9	545.7
147.5°	533.1	532.4	532.1	531.5	532.9	534.1	535.5	536.9	538.7	540.4	542.4
150°	530.7	530.1	529.8	529.6	530.4	531.1	532.1	532.8	534.1	535.1	536.7
152.5°	524.0	523.3	523.5	523.2	523.7	524.4	525.2	526.0	527.0	527.9	529.3
155°	519.3	518.8	518.4	517.9	518.0	518.1	518.6	518.6	519.2	519.5	520.1
157.5°	517.6	517.0	516.6	515.9	515.8	515.6	515.6	515.5	515.8	515.5	515.6
160°	515.9	514.8	514.1	513.4	513.5	513.2	513.6	513.3	513.6	513.7	514.0
162.5°	518.1	517.4	516.9	516.2	515.9	515.3	514.9	514.3	513.9	513.6	513.4
165°	519.6	518.7	518.0	517.0	516.8	516.5	516.3	516.0	515.9	515.5	515.7
167.5°	525.0	523.9	523.1	522.2	521.8	520.9	520.4	519.7	519.2	518.6	518.4
170°	527.5	526.6	526.0	525.3	525.0	524.5	524.3	523.8	523.6	523.5	523.5
172.5°	533.7	532.9	532.3	531.8	531.4	531.2	531.0	530.8	530.5	530.5	530.3
175°	537.8	537.5	537.3	537.0	536.6	536.4	535.9	535.7	535.5	535.2	534.9
177.5°	540.0	539.6	539.4	539.2	539.0	539.0	539.0	539.0	539.0	538.8	538.7
180°	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3



TEST NUMBER: P1444559  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL36

**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°	152.9	143.9	144.0	138.0	139.6	134.6	138.1	135.2	139.3	136.4	141.1
92.5°	63.4	66.3	71.6	77.3	82.2	87.5	92.7	98.4	103.4	109.0	113.9
95°	78.2	80.8	87.8	94.8	101.9	109.0	116.1	123.1	130.2	137.2	144.3
97.5°	97.6	99.2	106.3	113.3	120.3	127.4	134.4	141.9	148.9	155.9	163.0
100°	111.8	112.0	132.1	152.1	172.1	192.4	212.4	232.5	252.8	272.9	292.9
102.5°	206.9	212.0	262.7	313.5	364.1	414.8	465.7	516.6	567.2	618.2	669.1
105°	454.7	474.7	552.1	629.7	707.0	784.4	862.0	939.7	1017.1	1094.7	1172.3
107.5°	841.9	878.3	948.3	1018.4	1088.2	1158.4	1228.5	1298.6	1368.6	1438.8	1509.2
110°	1186.0	1224.5	1271.5	1318.5	1365.6	1412.5	1459.5	1506.5	1553.8	1600.8	1648.3



TEST NUMBER: P1444559  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL36

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	1339.8	1364.9	1392.2	1419.8	1447.3	1474.8	1502.3	1529.9	1557.7	1585.3	1613.1
115°	1335.0	1347.0	1357.5	1368.5	1379.2	1390.1	1401.1	1412.3	1423.4	1434.5	1445.6
117.5°	1231.6	1236.1	1237.7	1239.7	1241.5	1243.8	1245.8	1248.1	1250.4	1252.7	1254.7
120°	1077.2	1076.1	1074.5	1073.2	1071.7	1070.5	1069.2	1068.0	1067.1	1066.0	1064.7
122.5°	921.4	918.9	917.4	916.2	915.0	914.0	912.9	912.1	911.2	910.3	909.2
125°	784.8	782.5	784.3	786.4	788.4	790.6	792.7	795.2	797.4	799.8	802.2
127.5°	684.7	684.4	688.8	693.4	698.0	702.9	707.7	712.7	717.3	722.5	727.0
130°	621.4	623.0	628.6	634.6	640.4	646.4	652.6	658.8	664.6	670.6	676.6
132.5°	585.5	588.8	594.1	599.9	605.6	611.4	617.4	623.2	629.1	635.1	640.6
135°	566.9	570.9	576.1	581.4	586.6	592.2	597.5	603.1	608.1	613.7	618.8
137.5°	555.9	559.9	564.3	568.6	572.9	577.5	581.9	586.3	590.6	595.1	599.3
140°	553.6	557.5	560.1	563.0	565.7	568.4	570.9	573.9	576.4	579.3	581.9
142.5°	549.6	553.4	554.8	556.9	558.6	560.9	562.8	564.8	566.4	568.2	569.8
145°	548.1	551.0	551.4	552.2	552.7	553.5	553.8	554.6	554.8	555.4	555.7
147.5°	544.3	546.5	546.3	546.7	546.8	546.8	547.1	547.2	547.0	547.2	547.2
150°	537.8	539.4	538.9	538.8	538.3	538.1	537.5	537.3	536.7	536.5	536.0
152.5°	530.3	531.5	530.7	530.5	529.7	529.2	528.4	528.2	527.4	526.9	526.5
155°	520.4	521.0	520.5	520.3	519.8	519.6	519.1	519.2	518.9	518.6	518.6
157.5°	515.8	515.8	515.6	515.4	515.0	515.0	514.7	514.7	514.6	514.9	515.0
160°	513.9	514.2	513.8	513.5	513.3	513.1	512.8	513.0	513.0	513.3	513.5
162.5°	512.9	512.7	512.3	512.2	511.9	511.9	511.9	512.2	512.1	512.3	512.6
165°	515.7	515.9	515.2	515.1	514.6	514.4	514.0	514.0	514.0	514.1	514.1
167.5°	518.1	517.9	517.9	518.0	518.0	518.2	518.4	519.0	519.1	519.8	520.0
170°	523.3	523.5	523.1	523.1	522.8	522.7	522.7	522.7	522.7	522.9	522.8
172.5°	530.3	530.3	529.8	529.4	528.9	528.7	528.2	528.2	527.7	527.5	527.0
175°	534.6	534.4	534.2	533.9	533.7	533.3	533.0	532.5	532.3	532.0	531.8
177.5°	538.5	538.1	538.0	538.0	537.8	537.7	537.7	537.5	537.5	537.5	537.2
180°	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3



TEST NUMBER: P1444559  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL36

**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°	130.6	127.8	117.8	115.2	105.5	100.2	89.1	84.9	74.7	72.4	65.8
92.5°	108.0	102.0	96.5	90.1	84.6	78.5	72.6	66.6	60.7	58.4	56.7
95°	135.6	127.3	118.7	110.1	101.5	93.0	84.6	76.0	67.4	65.6	63.9
97.5°	153.1	142.9	132.8	122.8	112.7	102.5	92.6	82.4	72.3	71.3	70.1
100°	269.7	246.6	223.2	199.8	176.7	153.3	130.1	106.8	83.6	82.2	81.0
102.5°	612.5	556.1	499.5	443.1	386.7	330.1	273.6	217.0	160.6	152.4	144.3
105°	1086.7	1001.1	915.9	830.4	744.8	659.1	573.8	488.1	402.6	375.1	347.6
107.5°	1428.8	1348.4	1268.3	1187.9	1107.4	1027.2	946.8	866.4	785.8	737.5	689.2
110°	1584.5	1520.7	1457.2	1393.4	1329.7	1266.0	1202.2	1138.3	1074.6	1032.9	991.5



TEST NUMBER: P1444559  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL36

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	1566.5	1519.9	1473.5	1426.8	1380.2	1333.4	1287.0	1240.0	1193.3	1168.2	1143.0
115°	1417.9	1389.9	1362.0	1334.0	1306.1	1278.1	1250.1	1221.7	1193.6	1180.4	1167.3
117.5°	1240.9	1226.8	1212.8	1198.6	1184.5	1170.1	1156.1	1141.7	1127.5	1123.0	1118.5
120°	1061.2	1057.2	1052.8	1048.8	1044.8	1040.7	1036.4	1032.2	1027.8	1028.7	1029.4
122.5°	911.4	913.5	915.7	917.4	919.7	921.4	923.6	925.1	927.0	930.9	934.7
125°	806.8	811.3	815.8	820.3	824.9	829.4	834.0	838.1	842.8	846.5	850.6
127.5°	732.5	737.4	742.6	747.5	752.8	757.7	762.7	767.5	772.5	776.1	780.1
130°	681.4	685.6	690.3	694.5	699.1	703.6	707.9	712.4	716.7	719.8	722.9
132.5°	644.7	648.8	653.0	656.8	661.1	664.9	669.1	673.0	677.4	679.5	682.0
135°	622.2	625.1	628.4	631.3	634.8	637.7	640.9	644.2	647.6	649.3	651.3
137.5°	602.0	604.5	607.3	609.8	612.6	615.1	618.1	620.7	623.9	624.7	626.4
140°	584.6	587.3	590.0	592.7	595.6	598.4	601.6	604.4	607.7	608.6	610.1
142.5°	572.1	574.1	576.3	578.4	580.9	582.9	585.6	588.2	590.8	592.0	593.2
145°	558.3	560.6	563.3	565.6	568.0	570.7	573.8	576.7	579.7	580.6	581.6
147.5°	549.2	551.1	553.5	555.7	557.9	560.1	563.0	565.4	568.2	569.1	569.8
150°	538.3	540.4	542.6	544.8	547.3	549.9	552.6	555.3	558.5	559.7	560.7
152.5°	528.7	531.0	533.4	536.0	538.6	541.4	544.3	547.3	550.3	551.2	552.6
155°	521.0	523.0	525.7	528.2	531.0	533.4	536.4	539.2	542.1	543.4	544.5
157.5°	517.2	519.0	521.5	523.8	526.1	528.5	531.3	533.6	536.3	537.4	538.3
160°	515.5	517.3	519.5	521.7	523.8	525.9	528.3	530.4	532.7	533.8	534.7
162.5°	514.7	516.6	518.7	520.5	522.9	525.0	527.4	529.3	531.6	532.4	533.5
165°	515.6	517.2	518.9	520.3	522.0	523.5	525.3	526.9	528.7	529.4	530.6
167.5°	521.6	522.5	523.6	524.8	526.3	527.5	528.9	530.1	531.5	532.4	533.4
170°	524.1	525.0	525.9	527.2	528.3	529.5	530.6	531.5	533.1	533.8	534.7
172.5°	527.8	528.2	529.2	529.7	530.6	531.1	532.1	532.8	533.6	534.6	535.3
175°	532.3	532.6	533.0	533.2	533.7	534.0	534.6	535.1	535.5	536.2	536.7
177.5°	537.4	537.6	537.8	538.0	538.5	538.7	539.2	539.4	539.8	540.5	541.3
180°	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3



TEST NUMBER: P1444559  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL36

**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°	64.3	58.3	57.0	51.4	49.7	45.7	44.3	44.7	45.9	46.4	47.8
92.5°	54.8	52.7	50.8	48.8	46.8	44.8	42.9	44.8	46.8	48.8	50.8
95°	62.1	60.3	58.6	56.8	55.0	53.2	51.5	53.2	55.0	56.9	58.7
97.5°	69.0	67.9	66.8	65.6	64.6	63.4	62.3	63.6	64.8	65.8	67.0
100°	79.6	78.2	77.0	75.6	74.3	73.0	71.7	73.3	74.6	75.9	77.3
102.5°	136.3	128.2	119.9	111.8	103.7	95.5	87.4	95.5	103.7	111.9	120.0
105°	320.1	292.7	265.1	237.6	210.0	182.5	154.9	182.7	210.2	237.8	265.4
107.5°	640.7	592.5	544.1	495.8	447.1	398.8	350.3	399.0	447.5	496.0	544.4
110°	949.6	907.9	866.3	824.6	782.7	741.0	699.1	741.1	783.0	824.9	866.7



TEST NUMBER: P1444559  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL36

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	1117.6	1092.3	1067.0	1041.8	1016.2	991.0	965.4	991.2	1016.7	1042.5	1067.9
115°	1154.1	1140.8	1127.7	1114.4	1100.9	1087.5	1073.9	1088.0	1101.7	1115.4	1129.0
117.5°	1113.9	1109.5	1104.9	1100.3	1095.6	1090.9	1086.1	1091.3	1096.4	1101.8	1106.5
120°	1030.0	1031.0	1031.7	1032.2	1032.8	1033.3	1033.6	1034.0	1034.0	1034.0	1033.8
122.5°	938.5	942.3	945.9	949.5	953.0	956.5	959.8	957.2	954.4	951.7	948.5
125°	854.3	858.5	862.3	866.1	869.7	873.4	876.5	874.3	871.5	868.6	865.4
127.5°	783.6	787.2	790.6	794.4	797.5	800.7	803.7	801.8	799.4	796.9	794.1
130°	725.6	728.8	731.3	734.2	736.5	738.9	741.0	739.9	738.4	737.1	735.1
132.5°	684.3	686.8	689.1	691.3	693.0	695.0	696.3	696.1	695.2	694.4	693.1
135°	653.1	654.8	656.4	658.3	659.4	660.8	661.5	662.0	661.7	661.5	660.8
137.5°	627.3	628.8	629.7	630.6	631.3	631.9	632.1	633.1	633.5	634.2	634.1
140°	611.1	612.5	613.6	614.4	615.3	616.1	616.1	617.3	617.6	618.1	618.0
142.5°	594.4	595.6	596.7	597.8	598.4	599.1	599.3	600.3	600.7	601.2	601.2
145°	582.6	583.4	584.3	585.1	585.6	585.8	585.7	587.0	587.7	588.3	588.8
147.5°	570.8	571.8	572.3	572.9	573.3	573.6	573.6	574.7	575.5	576.1	576.6
150°	562.0	563.2	564.1	565.1	565.8	566.5	566.5	567.4	567.8	568.2	568.3
152.5°	553.5	554.4	555.4	556.2	556.9	557.3	557.6	558.4	559.1	559.7	559.9
155°	545.6	546.8	547.7	548.7	549.4	550.3	550.9	551.6	552.1	552.4	552.8
157.5°	539.3	540.5	541.3	542.3	543.0	544.0	544.6	545.5	546.0	546.7	547.0
160°	535.6	536.8	537.5	538.4	539.2	540.1	540.8	541.5	542.2	542.7	543.4
162.5°	534.3	535.3	535.8	536.8	537.7	538.4	539.1	540.0	540.7	541.2	541.8
165°	531.7	532.8	533.6	534.6	535.8	536.8	537.5	538.1	538.4	538.8	539.1
167.5°	534.3	535.3	536.1	537.1	537.8	538.9	539.8	540.3	540.5	540.8	541.0
170°	535.4	536.3	537.3	537.9	538.8	539.8	540.3	540.6	540.9	541.1	541.4
172.5°	536.1	537.2	538.0	539.1	539.9	540.8	541.6	541.7	541.7	541.5	541.3
175°	537.4	538.2	538.9	539.6	540.3	541.0	541.8	541.5	541.6	541.3	541.2
177.5°	542.1	543.2	544.0	544.6	545.4	546.1	547.0	546.3	545.8	545.2	544.5
180°	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3



TEST NUMBER: P1444559  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL36

**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°	48.6	49.8	50.7	52.1	54.0	57.5	61.3	64.9	69.2	72.6	76.6
92.5°	52.7	55.0	56.9	59.0	60.9	66.8	72.8	78.7	84.8	90.7	96.7
95°	60.4	62.2	64.0	66.1	67.9	76.5	85.0	93.7	102.2	110.8	119.4
97.5°	68.4	69.5	70.6	71.8	73.0	83.1	93.3	103.4	113.5	123.6	133.6
100°	78.7	80.1	81.4	82.9	84.3	107.6	131.0	154.4	177.7	200.8	224.2
102.5°	128.5	136.6	144.8	153.2	161.3	218.0	274.6	331.2	387.6	444.3	500.7
105°	293.0	320.6	348.5	376.0	403.6	489.3	575.0	660.7	746.0	831.7	917.5
107.5°	593.0	641.5	690.2	738.7	787.1	867.8	948.3	1028.8	1109.4	1189.9	1270.1
110°	908.9	950.4	992.7	1034.6	1076.5	1140.2	1204.4	1268.2	1332.1	1396.0	1459.7



TEST NUMBER: P1444559  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL36

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	1093.6	1119.0	1144.6	1169.8	1195.4	1242.3	1289.5	1336.2	1383.2	1429.8	1476.5
115°	1142.6	1155.8	1169.5	1182.8	1196.5	1224.7	1252.9	1281.2	1309.6	1337.5	1365.9
117.5°	1111.5	1116.3	1121.3	1125.7	1130.6	1145.0	1159.6	1174.0	1188.6	1202.9	1217.4
120°	1033.6	1033.1	1032.8	1032.2	1031.8	1036.0	1040.7	1045.1	1049.6	1053.8	1058.0
122.5°	945.5	942.0	938.7	935.2	931.8	930.0	928.4	926.6	925.2	923.2	921.5
125°	862.2	858.7	855.3	851.6	847.9	843.8	839.7	835.3	831.1	826.7	822.3
127.5°	791.6	788.3	785.4	782.0	778.7	773.8	769.1	764.2	759.6	754.5	749.8
130°	733.3	730.9	728.9	726.0	723.8	719.2	715.2	710.9	706.7	702.4	698.1
132.5°	691.8	690.1	688.5	686.4	684.6	680.7	677.3	673.0	669.2	665.4	661.7
135°	660.1	659.1	658.3	656.8	655.6	652.4	649.6	646.5	643.6	640.6	637.7
137.5°	634.3	633.6	633.4	632.8	632.2	629.5	627.2	624.5	622.2	619.6	617.3
140°	618.2	617.7	617.6	617.0	616.5	613.8	611.2	608.4	605.9	603.2	600.7
142.5°	601.2	600.9	600.7	600.1	599.7	597.5	595.7	593.6	591.6	589.4	587.5
145°	588.9	588.9	589.0	588.8	588.9	586.3	584.1	581.6	579.5	577.1	574.9
147.5°	577.1	577.1	577.4	577.4	577.7	575.6	573.9	571.8	570.0	568.0	566.3
150°	568.5	568.5	568.6	568.3	568.2	566.1	564.4	562.3	560.6	558.5	556.8
152.5°	560.1	560.2	560.5	560.5	560.7	558.9	556.9	554.9	553.0	550.7	548.9
155°	553.1	553.3	553.4	553.4	553.4	551.6	549.9	547.9	546.2	544.2	542.5
157.5°	547.4	547.6	547.9	548.1	548.3	546.8	545.2	543.7	542.1	540.5	538.9
160°	543.8	544.2	544.5	544.7	545.1	543.8	542.8	541.1	540.1	538.5	537.0
162.5°	542.3	542.8	543.1	543.3	543.6	542.2	541.3	540.0	538.7	537.0	535.7
165°	539.6	539.6	539.8	539.8	539.9	539.0	538.3	537.5	536.6	535.4	534.6
167.5°	541.2	541.2	541.5	541.4	541.5	540.9	540.8	540.0	539.3	538.6	537.9
170°	541.4	541.6	541.7	541.6	541.7	541.0	540.6	540.0	539.6	538.6	537.9
172.5°	541.3	541.1	541.0	541.0	540.7	540.2	539.9	539.4	539.2	538.7	538.3
175°	541.0	540.7	540.6	540.4	540.0	540.0	539.7	539.7	539.5	539.2	539.0
177.5°	544.3	543.9	543.2	542.6	542.1	541.9	541.9	541.6	541.7	541.5	541.3
180°	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3



TEST NUMBER: P1444559  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL36

**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°	80.4	97.6	101.1	99.2	92.7	90.1	84.1	82.1	76.9	74.9	69.6
92.5°	102.6	108.6	114.5	109.2	103.9	98.6	93.4	87.8	82.8	77.3	72.2
95°	128.0	136.1	144.8	137.7	130.6	123.5	116.5	109.5	102.4	95.3	88.3
97.5°	143.7	153.6	163.5	156.4	149.4	142.1	135.1	128.1	121.0	113.8	106.9
100°	247.5	270.2	293.4	273.3	253.2	233.2	213.1	192.9	172.8	152.8	132.5
102.5°	557.2	613.3	669.6	618.7	567.9	517.1	466.4	415.5	364.8	313.9	263.2
105°	1002.8	1087.7	1173.0	1095.2	1017.6	940.2	862.7	785.1	707.5	630.0	552.6
107.5°	1350.5	1429.8	1509.8	1439.7	1369.5	1299.5	1229.1	1159.1	1088.8	1018.7	948.6
110°	1523.5	1585.8	1649.2	1601.8	1554.8	1507.4	1460.3	1413.1	1366.1	1319.2	1272.1



TEST NUMBER: P1444559  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL36

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	1523.2	1568.1	1614.2	1586.2	1558.7	1530.8	1503.3	1475.5	1448.1	1420.3	1393.1
115°	1393.6	1419.5	1447.0	1435.6	1424.6	1413.4	1402.3	1391.3	1380.2	1369.2	1358.5
117.5°	1231.6	1243.2	1256.5	1254.0	1252.0	1249.5	1247.3	1245.0	1243.1	1240.8	1238.9
120°	1062.3	1063.5	1066.9	1067.8	1069.0	1069.8	1071.0	1072.1	1073.4	1074.5	1075.9
122.5°	919.6	914.4	911.5	912.4	913.4	914.0	915.0	916.0	917.0	917.9	919.2
125°	818.1	809.9	804.5	802.2	799.9	797.5	795.2	792.8	790.7	788.6	786.6
127.5°	744.9	736.0	730.0	725.3	720.4	715.5	710.7	705.7	701.0	696.1	691.6
130°	694.0	685.3	679.9	673.8	668.1	661.8	656.0	649.9	643.9	638.0	632.1
132.5°	657.7	649.2	644.2	638.6	633.1	627.0	621.5	615.5	609.8	603.7	598.3
135°	634.6	626.9	622.8	617.4	612.5	607.1	601.7	596.4	591.3	585.7	580.9
137.5°	614.5	607.0	603.5	599.0	595.1	590.7	586.7	582.2	578.0	573.2	569.3
140°	598.0	589.9	586.1	583.6	581.4	578.6	576.1	573.4	571.0	568.3	565.7
142.5°	585.5	577.6	574.4	572.7	571.2	569.5	568.1	566.3	564.6	562.5	560.8
145°	572.7	563.9	560.3	559.9	559.8	559.4	559.0	558.6	558.2	557.6	557.2
147.5°	564.1	555.3	551.8	552.0	552.2	552.0	552.4	552.1	552.5	552.3	552.5
150°	554.5	544.5	540.5	541.0	541.3	541.9	542.5	542.9	543.7	544.1	544.5
152.5°	546.7	534.7	530.2	530.7	531.5	531.9	532.6	533.4	534.3	534.9	535.6
155°	540.2	527.3	522.3	522.3	522.5	522.9	523.1	523.6	524.0	524.5	525.0
157.5°	537.1	523.5	518.7	518.4	518.5	518.5	518.5	518.7	518.9	519.1	519.8
160°	535.4	522.0	517.3	516.9	517.0	516.8	516.7	516.8	517.0	517.2	517.7
162.5°	534.1	521.0	516.5	516.0	515.6	515.6	515.6	515.4	515.5	515.6	516.0
165°	533.4	521.8	517.8	517.6	517.7	517.7	517.7	517.9	518.1	518.4	518.7
167.5°	537.0	526.7	523.5	523.0	522.5	522.0	522.0	521.4	521.4	521.0	521.0
170°	537.2	529.0	526.2	526.0	526.2	526.2	526.0	526.1	526.1	526.1	526.3
172.5°	537.7	531.8	529.6	530.0	530.4	530.7	531.1	531.4	531.7	532.2	532.6
175°	538.8	535.1	534.3	534.2	534.5	534.6	534.8	535.1	535.3	535.5	536.1
177.5°	541.2	540.2	539.7	539.7	539.7	539.7	539.7	539.7	539.7	539.9	539.9
180°	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3



TEST NUMBER: P1444559  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL36

**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°	68.3	64.7	64.7	60.7	61.9	57.6	59.8	55.9	59.0	54.1	61.9
92.5°	66.7	64.0	61.0	58.3	55.3	52.6	49.5	46.6	43.8	40.9	43.8
95°	81.3	78.6	75.9	73.1	70.5	67.8	65.2	62.5	59.8	57.2	60.5
97.5°	99.8	98.2	96.7	95.1	93.6	92.1	90.6	89.0	87.3	85.7	87.9
100°	112.5	112.5	112.5	112.5	112.2	112.2	112.2	112.2	112.2	112.2	113.9
102.5°	212.2	207.2	202.2	196.8	191.8	186.7	181.7	176.6	171.5	166.5	173.9
105°	475.0	455.1	435.3	415.4	395.4	375.5	355.8	335.9	316.1	296.2	316.7
107.5°	878.8	842.5	806.2	770.1	733.7	697.6	661.5	625.3	589.2	553.1	585.5
110°	1225.0	1186.6	1148.0	1109.7	1071.1	1032.6	994.2	955.9	917.6	879.3	910.1



TEST NUMBER: P1444559  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL36

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	1365.6	1340.3	1315.6	1290.7	1265.8	1241.1	1216.4	1191.7	1167.0	1142.3	1157.3
115°	1347.5	1335.7	1323.6	1311.8	1299.9	1287.9	1276.0	1264.4	1252.7	1241.0	1241.9
117.5°	1236.8	1232.6	1228.6	1224.4	1220.4	1216.5	1212.6	1208.8	1204.9	1201.4	1193.0
120°	1077.4	1078.3	1079.2	1080.4	1081.6	1083.0	1084.0	1085.6	1087.1	1088.7	1077.4
122.5°	920.5	922.9	925.5	928.3	931.1	934.2	937.1	940.4	943.7	947.0	935.8
125°	784.3	786.7	789.3	791.9	794.3	797.5	800.4	803.7	806.8	810.3	800.8
127.5°	687.0	687.6	687.9	688.8	689.5	690.7	691.8	693.3	694.8	696.5	690.6
130°	626.2	624.7	623.1	621.9	620.5	619.7	618.9	618.1	617.5	617.3	614.7
132.5°	592.3	589.4	586.5	583.7	581.1	578.9	576.4	574.6	572.8	571.1	570.4
135°	575.3	571.5	567.7	563.9	560.3	557.4	554.1	551.4	548.6	546.2	546.9
137.5°	564.9	561.2	557.3	553.8	550.2	547.2	543.9	541.0	538.4	535.9	537.1
140°	563.1	559.3	555.4	551.9	548.6	545.4	542.3	539.7	536.6	534.6	535.1
142.5°	559.0	555.9	552.3	549.2	546.0	543.2	540.5	538.0	535.2	533.3	534.2
145°	556.7	554.3	551.7	549.2	547.0	545.0	542.6	541.0	539.2	537.9	538.3
147.5°	552.3	550.6	548.5	546.9	544.8	543.6	541.9	540.7	539.4	538.4	538.5
150°	544.9	543.9	542.5	541.4	540.3	539.3	538.2	537.6	536.7	536.1	536.1
152.5°	536.3	535.4	534.3	533.4	532.3	531.6	530.8	530.2	529.5	529.0	528.9
155°	525.5	525.0	524.7	524.3	523.9	523.9	523.5	523.6	523.3	523.3	523.5
157.5°	520.0	520.1	519.8	520.1	520.1	520.2	520.1	520.6	520.5	521.0	521.3
160°	518.2	518.1	517.9	517.9	517.8	517.7	517.8	517.8	517.9	517.9	518.5
162.5°	516.2	516.7	516.9	517.2	517.8	518.1	518.6	519.2	519.6	520.2	520.8
165°	519.2	519.2	519.2	519.0	519.4	519.5	519.6	520.0	520.2	520.7	521.4
167.5°	520.9	521.2	521.3	521.7	522.0	522.5	522.9	523.7	524.3	525.1	525.6
170°	526.1	526.1	526.1	526.1	526.1	526.5	526.6	526.8	527.0	527.5	527.9
172.5°	533.0	533.0	532.6	533.0	532.6	533.0	533.0	533.1	533.1	533.3	533.5
175°	536.0	536.5	536.7	537.2	537.2	537.4	537.6	537.8	538.0	538.4	538.4
177.5°	539.9	540.0	540.0	540.0	540.0	540.2	540.2	540.2	540.2	540.0	540.2
180°	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3



TEST NUMBER: P1444559  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL36

**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°	60.8	67.4	66.7	72.7	72.8	79.7	80.1	86.7	86.6	93.1	94.0
92.5°	46.6	49.5	52.4	55.3	58.1	61.0	63.8	66.7	72.9	78.6	85.2
95°	63.8	67.1	70.4	73.8	77.1	80.4	83.7	87.0	96.0	105.0	114.1
97.5°	90.3	92.3	94.5	96.7	98.9	101.1	103.3	105.5	115.4	125.1	134.8
100°	115.7	117.4	119.2	121.0	122.8	124.5	126.2	128.0	147.0	165.7	184.5
102.5°	181.4	189.0	196.4	203.9	211.6	219.1	226.6	234.1	277.2	320.2	363.2
105°	337.2	357.7	378.4	398.9	419.5	439.9	460.6	481.0	550.0	618.7	687.8
107.5°	617.8	650.2	682.6	715.3	747.7	780.3	812.6	845.1	912.3	979.6	1046.8
110°	940.9	972.0	1002.9	1033.9	1064.7	1095.9	1126.8	1158.0	1198.5	1238.7	1279.1



TEST NUMBER: P1444559  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL36

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	1172.4	1187.4	1202.5	1217.7	1232.8	1248.2	1263.3	1278.6	1299.0	1319.2	1339.5
115°	1243.0	1243.8	1245.0	1246.1	1247.2	1248.3	1249.8	1251.0	1257.6	1264.1	1270.7
117.5°	1184.7	1176.5	1168.5	1160.2	1152.3	1144.5	1136.7	1128.9	1127.9	1126.8	1126.0
120°	1066.7	1055.5	1044.7	1033.7	1023.0	1012.4	1001.9	991.5	986.3	981.2	976.1
122.5°	924.9	914.0	903.2	892.4	881.9	871.5	861.2	850.9	847.4	844.2	840.8
125°	791.8	782.8	773.8	765.0	756.5	748.0	739.7	731.4	731.7	731.7	732.3
127.5°	685.1	679.7	674.5	669.2	664.5	659.5	654.9	650.1	653.1	655.9	659.0
130°	612.4	610.2	608.3	606.1	604.8	603.0	601.6	600.0	604.9	609.3	614.2
132.5°	570.4	570.2	570.3	570.3	570.8	571.3	572.1	572.6	578.0	583.1	588.6
135°	547.5	548.5	549.9	551.0	552.8	554.2	556.1	557.6	563.0	567.8	573.1
137.5°	538.4	539.7	541.4	543.1	545.2	547.0	549.3	551.3	555.5	559.7	563.8
140°	536.4	537.4	538.9	540.4	541.9	543.6	545.7	547.4	550.9	554.1	557.3
142.5°	535.3	536.2	537.6	539.0	540.6	542.1	543.9	545.3	548.0	550.3	553.3
145°	539.3	540.0	541.1	542.1	543.4	544.5	546.0	547.2	549.0	550.6	552.3
147.5°	539.2	539.7	540.6	541.4	542.4	543.3	544.1	544.9	546.3	547.3	548.6
150°	536.6	536.8	537.3	537.6	538.3	538.9	539.7	540.2	541.2	542.1	543.4
152.5°	529.5	529.6	530.1	530.3	531.0	531.4	531.8	532.4	533.5	534.3	535.3
155°	524.0	524.7	525.3	525.8	526.7	527.0	527.9	528.3	529.2	529.8	530.7
157.5°	521.9	522.2	523.1	523.5	524.3	524.8	525.4	525.9	526.8	527.3	528.0
160°	519.2	520.2	520.9	521.8	522.6	523.4	524.3	525.1	525.8	526.3	527.0
162.5°	521.4	522.0	522.7	523.2	523.9	524.6	525.0	525.7	526.8	527.3	528.4
165°	522.2	523.0	524.0	524.6	525.5	526.5	527.2	528.1	528.5	529.2	529.7
167.5°	526.6	527.1	528.2	528.9	529.8	530.5	531.4	532.1	532.8	533.1	533.8
170°	528.6	529.3	530.0	530.8	531.4	532.0	533.0	533.5	534.4	534.8	535.8
172.5°	534.1	534.6	535.1	535.6	536.1	536.9	537.5	537.8	538.5	539.0	539.7
175°	538.4	538.4	538.6	538.8	538.9	538.9	539.1	539.4	539.6	539.8	540.0
177.5°	540.4	540.7	540.9	541.0	541.2	541.5	541.7	541.9	541.9	541.9	541.9
180°	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3



TEST NUMBER: P1444559  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL36

**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°	102.3	103.8	112.5	114.6	124.9	128.0	132.5	128.7	132.9	129.4	133.6
92.5°	91.0	97.5	103.7	109.9	116.0	122.4	116.5	110.7	105.0	99.5	93.6
95°	123.1	132.2	141.2	150.3	159.3	168.3	158.6	149.1	139.4	129.7	120.0
97.5°	144.5	154.2	163.9	173.6	183.4	193.1	181.6	170.2	158.7	147.5	135.9
100°	203.2	222.1	240.9	259.7	278.6	297.3	276.1	254.6	233.5	212.1	190.7
102.5°	406.5	449.4	492.6	535.8	578.8	621.8	576.6	531.5	486.1	440.9	395.5
105°	756.7	825.6	894.6	963.4	1032.4	1101.6	1028.2	954.8	881.3	808.1	734.5
107.5°	1114.2	1181.2	1248.8	1315.9	1383.3	1450.7	1376.4	1301.8	1227.6	1153.1	1078.6
110°	1319.8	1360.2	1400.8	1441.4	1481.9	1522.7	1468.3	1414.2	1359.9	1305.5	1251.2



TEST NUMBER: P1444559  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL36

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	1359.8	1380.4	1400.6	1421.3	1441.6	1462.1	1423.4	1384.8	1345.9	1307.4	1268.5
115°	1277.6	1284.2	1291.0	1297.7	1304.4	1311.1	1285.1	1259.1	1233.2	1207.2	1180.8
117.5°	1125.1	1124.5	1123.4	1122.9	1121.9	1121.1	1106.6	1092.3	1077.8	1063.3	1048.7
120°	971.0	966.0	961.0	955.9	950.8	945.6	939.9	933.9	927.8	921.7	915.6
122.5°	837.3	834.3	830.8	827.4	823.9	820.4	818.3	816.3	814.2	812.1	809.6
125°	732.5	732.7	733.0	733.4	733.4	733.7	732.6	731.9	730.8	730.0	728.9
127.5°	661.7	664.6	667.3	670.1	672.5	675.4	675.3	675.5	675.4	675.4	675.3
130°	618.6	623.6	628.0	632.3	636.6	641.4	640.8	640.6	640.2	639.9	639.6
132.5°	593.9	599.0	604.2	609.6	614.4	619.6	619.0	618.7	617.8	617.6	617.0
135°	578.0	583.0	587.7	592.9	597.5	602.3	601.6	600.8	599.9	599.3	598.5
137.5°	567.6	572.0	575.8	579.7	583.4	587.4	586.4	585.7	584.8	584.2	583.3
140°	560.5	563.8	566.9	570.1	573.2	576.3	575.1	574.1	572.9	571.8	570.5
142.5°	555.5	558.0	560.1	562.9	564.9	567.4	565.5	563.8	562.2	560.5	558.8
145°	553.9	555.8	557.3	558.9	560.1	561.9	559.7	557.8	555.4	553.7	551.4
147.5°	549.6	550.8	551.5	552.8	553.3	554.5	552.4	550.5	548.4	546.3	544.2
150°	544.1	545.2	546.0	546.9	547.6	548.6	546.4	544.2	541.8	539.7	537.6
152.5°	536.1	537.1	537.8	538.5	539.3	540.0	537.8	536.0	533.7	531.4	529.3
155°	531.0	531.8	532.1	532.8	533.0	533.5	531.5	530.0	528.2	526.4	524.5
157.5°	528.4	529.1	529.6	529.9	530.3	530.8	529.4	528.2	526.6	525.4	524.0
160°	527.5	528.0	528.4	528.8	529.3	529.5	528.2	527.6	526.3	525.0	523.7
162.5°	528.9	529.8	530.3	531.0	531.6	532.1	530.8	529.6	528.2	526.8	525.3
165°	530.3	530.8	531.3	531.7	531.9	532.4	531.5	530.7	529.6	528.9	527.8
167.5°	534.2	534.8	535.1	535.6	535.8	536.1	535.2	534.6	533.5	532.5	531.4
170°	536.2	536.7	537.5	538.0	538.4	538.7	538.2	537.6	536.7	535.9	534.9
172.5°	540.2	540.8	541.0	541.5	541.7	542.2	541.5	540.7	540.0	539.1	538.1
175°	540.0	540.1	540.5	540.5	540.5	540.7	540.0	539.3	538.7	538.0	537.4
177.5°	541.9	541.9	541.9	541.8	541.8	541.8	541.3	541.0	540.5	540.1	539.4
180°	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3



TEST NUMBER: P1444559  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL36

**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°	130.1	135.1	131.4	136.4	135.0	141.3	140.9	147.2	146.1	151.4	148.8
92.5°	87.8	82.1	76.6	70.7	67.8	64.6	62.3	58.9	56.3	53.1	50.2
95°	110.3	100.6	91.0	81.3	78.0	74.5	71.2	67.9	64.5	61.2	57.9
97.5°	124.5	113.1	101.6	90.2	87.3	84.5	81.4	78.5	75.6	72.8	69.9
100°	169.3	148.0	126.7	105.2	102.8	100.4	97.9	95.5	93.1	90.5	88.0
102.5°	350.3	304.8	259.5	214.1	205.5	196.9	188.3	179.6	170.9	162.4	153.8
105°	661.1	587.5	514.0	440.4	417.0	393.7	370.3	346.8	323.5	300.1	276.7
107.5°	1003.9	929.3	854.7	780.1	737.1	693.9	650.7	607.3	564.3	520.9	477.7
110°	1196.9	1142.4	1087.9	1033.2	998.8	964.0	929.2	894.4	859.6	824.7	789.9



TEST NUMBER: P1444559  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL36

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1229.7	1190.7	1151.9	1112.6	1097.0	1081.2	1065.6	1049.8	1034.1	1018.1	1002.4
115°	1154.6	1128.4	1102.2	1075.7	1070.5	1064.8	1059.5	1053.8	1048.3	1042.5	1036.8
117.5°	1034.2	1019.6	1004.8	990.1	991.0	992.1	993.2	994.1	994.8	995.5	996.3
120°	909.4	903.3	897.3	891.0	896.0	900.8	905.8	910.5	915.1	919.6	924.1
122.5°	807.5	805.2	803.0	800.4	806.5	812.5	818.3	824.1	829.7	835.0	840.4
125°	728.1	726.9	726.0	724.6	730.9	736.8	742.8	748.4	754.2	759.4	764.9
127.5°	675.3	675.3	675.3	675.0	679.7	683.8	688.1	692.0	696.2	699.8	703.5
130°	639.2	638.6	638.4	637.8	641.9	645.9	649.8	653.3	657.1	660.2	663.3
132.5°	616.5	615.8	615.3	614.6	617.7	620.6	623.6	625.9	628.5	630.5	632.7
135°	597.9	596.9	596.2	595.2	598.2	600.9	603.6	605.8	608.2	610.0	612.0
137.5°	582.5	581.7	580.8	579.8	582.5	585.0	587.3	589.3	591.4	593.2	594.8
140°	569.7	568.2	567.4	566.0	568.4	570.4	572.7	574.5	576.4	577.8	579.3
142.5°	557.1	555.1	553.8	551.8	553.6	555.1	556.7	558.0	559.5	560.5	561.4
145°	549.4	547.0	545.2	543.0	544.2	545.5	546.8	548.0	548.7	549.4	550.3
147.5°	542.3	540.0	537.8	535.7	537.1	537.8	538.6	539.1	540.2	540.6	541.0
150°	535.3	532.8	530.5	528.2	529.0	529.6	530.2	531.0	531.5	531.8	532.3
152.5°	527.1	524.9	522.6	520.2	520.8	521.2	521.7	521.9	522.4	522.6	522.9
155°	522.6	520.7	518.6	516.5	517.2	517.4	517.7	517.9	518.1	518.2	518.3
157.5°	522.4	520.5	519.3	517.4	517.4	517.5	517.6	517.1	517.1	516.8	516.6
160°	522.6	521.1	519.8	518.4	518.2	518.1	518.2	517.7	517.6	517.1	516.9
162.5°	523.8	522.2	520.5	518.8	518.6	518.7	518.6	518.2	518.2	517.7	517.4
165°	526.8	525.6	524.5	523.0	522.8	522.5	522.3	521.7	521.4	520.7	520.2
167.5°	530.3	529.2	527.9	526.5	526.5	526.6	526.5	526.2	526.1	525.6	525.5
170°	534.1	533.1	532.2	531.2	530.8	530.7	530.3	530.0	529.5	529.1	528.6
172.5°	537.1	536.2	535.1	534.0	534.0	533.8	533.5	533.3	532.8	532.5	532.3
175°	536.5	535.9	534.8	534.2	534.1	533.9	533.7	533.5	533.2	533.0	532.7
177.5°	539.0	538.5	537.8	537.3	537.2	537.2	537.0	536.8	536.8	536.7	536.5
180°	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3



TEST NUMBER: P1444559  
CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL36

**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°	153.8	150.5
92.5°	47.8	45.2
95°	54.6	51.3
97.5°	67.1	64.2
100°	85.6	83.2
102.5°	145.2	136.6
105°	253.4	230.0
107.5°	434.5	391.3
110°	755.0	720.2



TEST NUMBER: P1444559  
CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL36

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	986.4	970.5
115°	1030.8	1025.1
117.5°	996.8	997.4
120°	928.2	932.6
122.5°	845.4	850.5
125°	769.9	775.0
127.5°	706.8	709.9
130°	665.7	668.7
132.5°	634.3	635.8
135°	613.3	614.6
137.5°	595.8	597.0
140°	580.0	581.1
142.5°	562.1	562.7
145°	550.7	551.1
147.5°	540.8	541.0
150°	532.2	532.3
152.5°	522.6	522.8
155°	518.0	518.0
157.5°	516.0	515.6
160°	516.2	515.9
162.5°	516.8	516.5
165°	519.3	518.6
167.5°	525.0	524.9
170°	528.2	527.9
172.5°	531.8	531.4
175°	532.5	532.3
177.5°	536.5	536.1
180°	539.3	539.3

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**

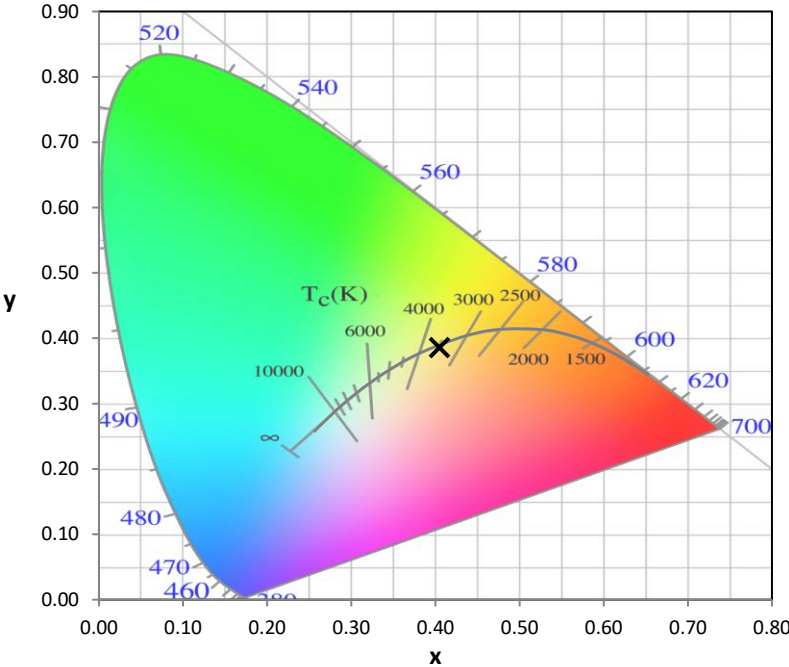
Stabilization Time: 39M  
 Operation Time: 1H 39M  
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-3

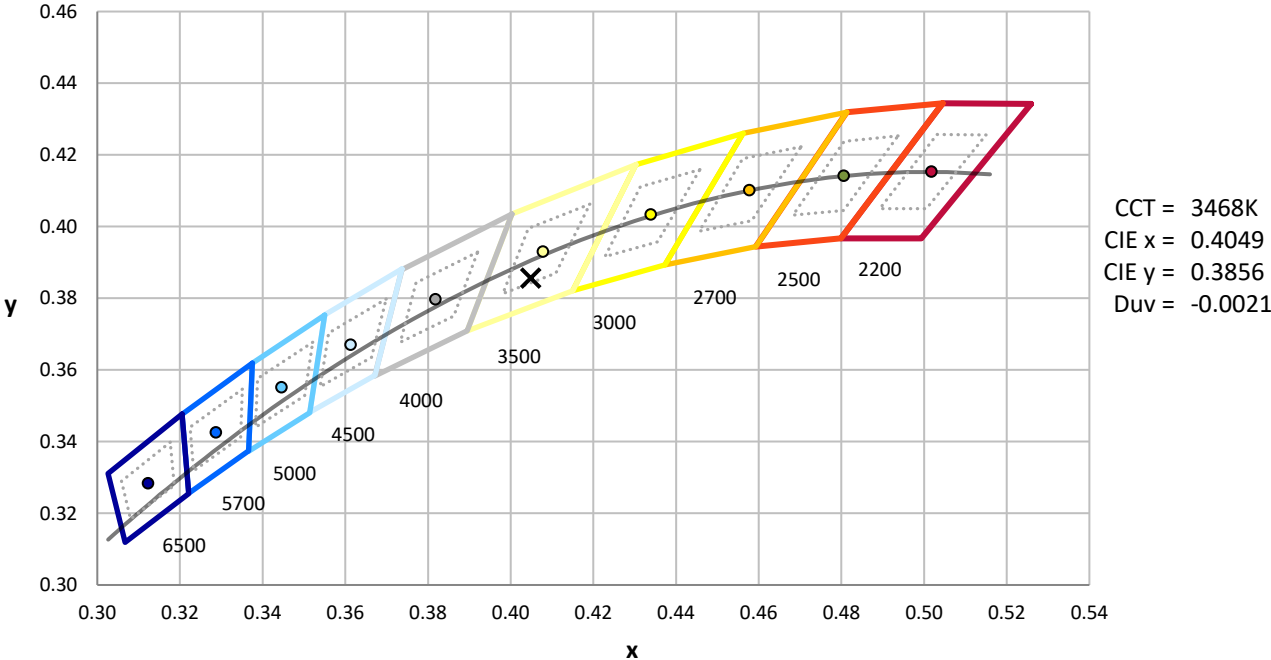
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208	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: SP1-2506-472-3

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

REPORT NUMBER: SP1-2506-472-3

**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			

REPORT NUMBER: SP1-2506-472-3

**Scotopic Flux vs. Wavelength**



**Scotopic Lumens: NR**

**S/P: 1.43**

$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /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			

REPORT NUMBER: SP1-2506-472-3

**Melanopic Flux vs. Wavelength**



**Melanopic Lumens: NR**

**M/P: 2.75**

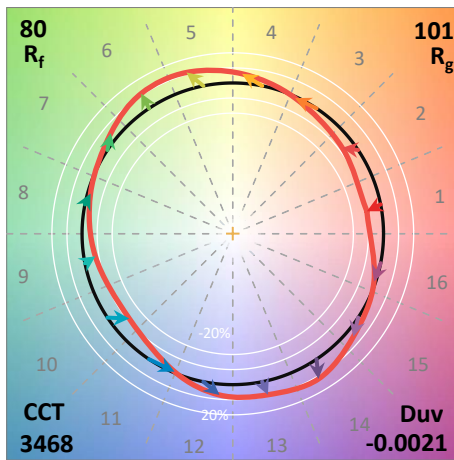
λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	60	NR	620	327	NR	750	7	NR	880	0	NR
365	0	NR	495	82	NR	625	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**

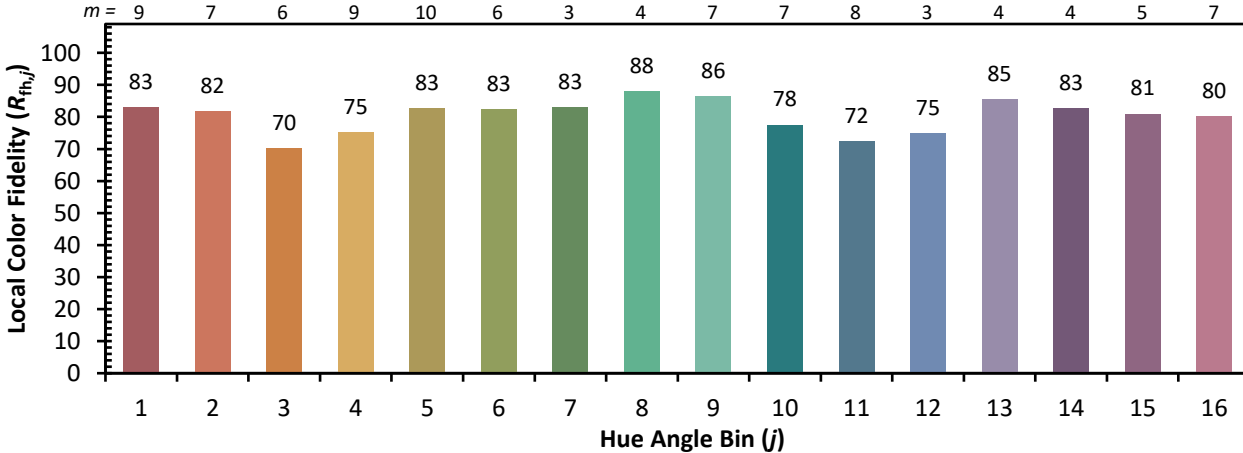


**Individual Sample Fidelity Index ( $R_{f,i}$ )**

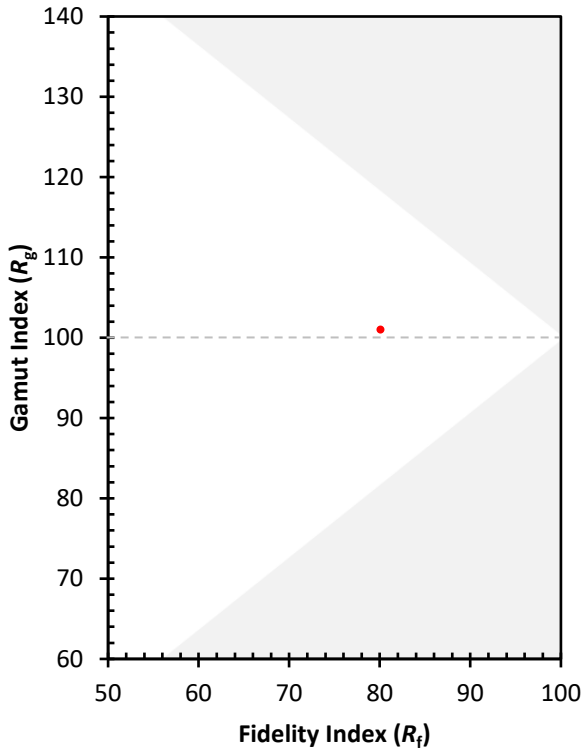
CES01 = 86	CES26 = 68	CES51 = 90	CES76 = 59
CES02 = 62	CES27 = 89	CES52 = 90	CES77 = 78
CES03 = 31	CES28 = 84	CES53 = 81	CES78 = 61
CES04 = 70	CES29 = 66	CES54 = 91	CES79 = 86
CES05 = 49	CES30 = 77	CES55 = 90	CES80 = 82
CES06 = 51	CES31 = 69	CES56 = 80	CES81 = 79
CES07 = 42	CES32 = 62	CES57 = 79	CES82 = 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)