

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: P1444558

Luminaire Tested: EHBR1-54-UNV-TA-L835-UPL30

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444558
REPORT IS A COMBINATION OF REPORTS P1444343 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-UPL30
Description: Elevate Round Highbay at, 54000 lumens, 3500K 80CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

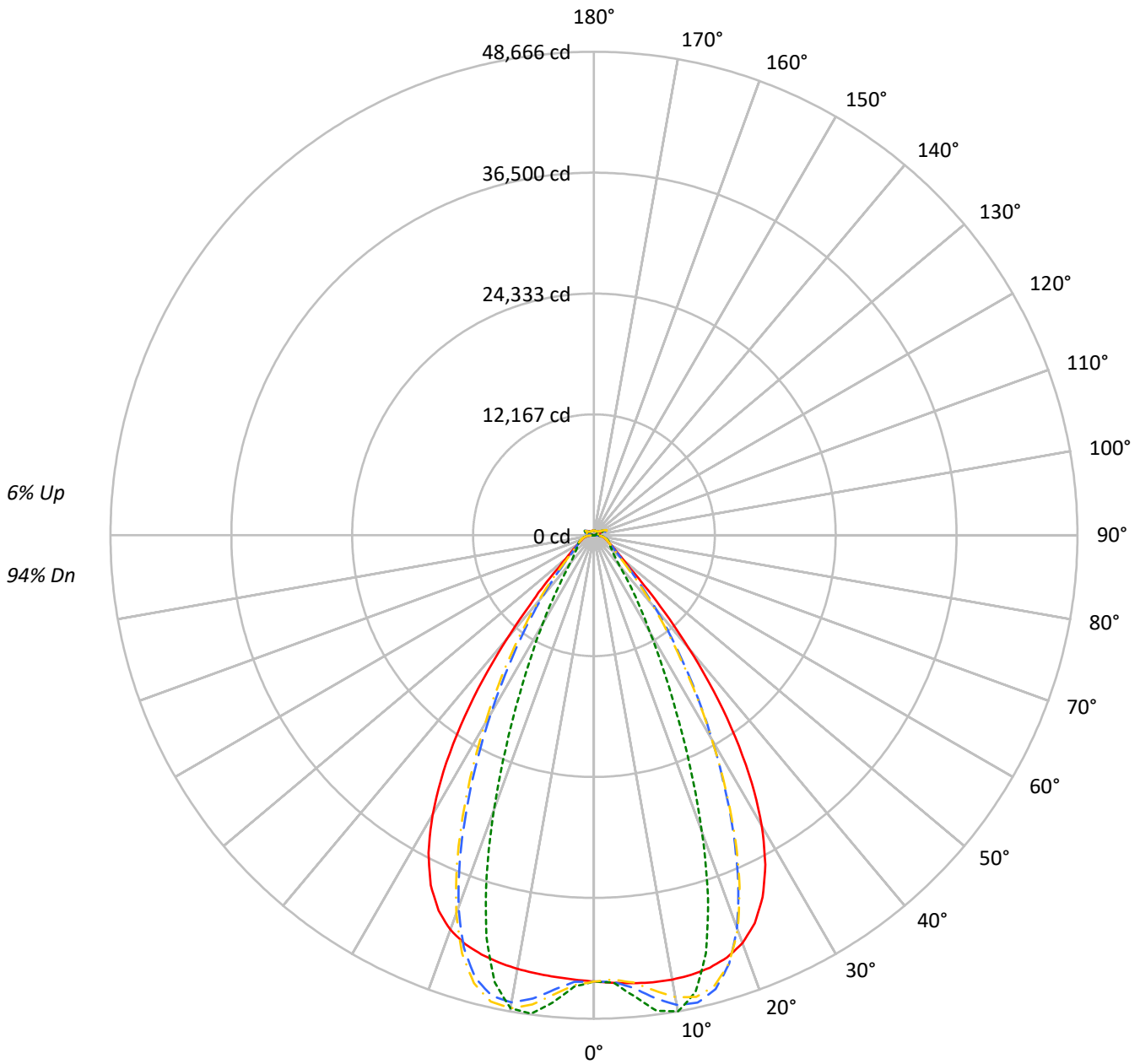
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 54966.8 lumens
Efficiency: N/A
Efficacy: 172.9 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): 318
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: P1444558
CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL30

Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	97	97	97	94
1	110	107	104	101	107	104	102	99	99	97	95	94	93	91	90	89	87	87	87	87	85
2	104	98	93	89	101	96	91	87	91	88	84	87	84	82	84	81	79	79	79	79	77
3	97	90	84	79	95	88	82	78	84	80	76	81	77	74	78	75	72	72	72	72	70
4	92	83	76	71	89	81	75	71	78	73	69	75	71	68	73	69	66	66	66	66	64
5	86	77	70	65	84	75	69	64	73	67	63	70	66	62	68	64	61	61	61	61	59
6	81	71	64	60	79	70	64	59	68	62	58	66	61	57	64	60	57	57	57	57	55
7	77	66	60	55	75	65	59	55	64	58	54	62	57	53	60	56	52	52	52	52	51
8	73	62	56	51	71	61	55	51	60	54	50	58	53	49	57	52	49	49	49	49	47
9	69	58	52	47	67	58	51	47	56	51	47	55	50	46	54	49	46	46	46	46	44
10	66	55	49	44	64	54	48	44	53	47	44	52	47	43	51	46	43	43	43	43	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



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 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL30

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4427.2	8.1
10°-20°	12454.3	22.7
20°-30°	14184.4	25.8
30°-40°	10195.1	18.5
40°-50°	4702.0	8.6
50°-60°	2250.1	4.1
60°-70°	1641.8	3.0
70°-80°	1247.3	2.3
80°-90°	572.6	1.0
90°-100°	96.2	0.2
100°-110°	528.8	1.0
110°-120°	976.4	1.8
120°-130°	603.7	1.1
130°-140°	396.4	0.7
140°-150°	300.6	0.5
150°-160°	213.7	0.4
160°-170°	131.0	0.2
170°-180°	45.3	0.1
0°-30°	31065.9	56.5
0°-40°	41261.1	75.1
0°-60°	48213.1	87.7
0°-90°	51674.7	94.0
90°-120°	1601.4	2.9
90°-150°	2902.1	5.3
90°-180°	3292.0	6.0
0°-180°	54966.8	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°	146	186	40	50	146	91
95°	44	48	44	49	44	42
105°	193	247	131	247	193	255
115°	854	1030	895	1031	854	789
125°	652	674	736	676	652	593
135°	525	457	564	462	525	409
145°	477	455	506	462	477	301
155°	453	451	481	456	453	211
165°	458	455	474	459	458	130
175°	472	476	480	478	472	45
180°	479	479	479	479	479	



TEST NUMBER: P1444558
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL30

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°	146.0	154.0	156.8	166.0	168.6	177.1	179.2	188.4	191.2	200.8	204.9
92.5°	38.7	41.0	43.3	46.2	48.6	51.9	54.8	57.5	60.0	63.2	68.2
95°	43.8	46.5	49.3	52.1	54.8	57.5	60.2	63.0	65.7	68.5	76.3
97.5°	54.6	57.0	59.3	61.8	64.1	66.5	68.8	71.3	73.6	75.9	85.4
100°	70.6	72.6	74.6	76.6	78.6	80.6	82.6	84.6	86.6	88.6	106.3
102.5°	115.1	122.2	129.3	136.4	143.6	150.5	157.9	164.7	171.9	179.0	216.3
105°	193.0	212.2	231.6	250.8	270.1	289.5	308.8	327.8	347.1	366.4	427.4
107.5°	327.0	362.5	398.3	434.1	469.9	505.6	541.3	576.9	612.5	648.0	709.9
110°	600.1	628.5	657.4	686.1	714.8	743.6	772.3	800.6	829.5	858.0	903.1



TEST NUMBER: P1444558
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL30

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	808.1	821.0	833.9	847.0	859.9	872.6	885.5	898.4	911.2	924.0	956.0
115°	854.1	858.5	863.2	867.4	872.0	876.2	880.6	884.9	889.3	893.4	915.1
117.5°	832.2	831.2	830.3	829.4	828.2	827.2	826.2	825.0	823.8	822.5	834.6
120°	779.7	775.4	771.4	767.0	762.8	758.3	754.3	749.7	745.3	740.6	745.7
122.5°	713.0	707.9	703.3	697.8	692.8	687.4	682.4	676.6	671.6	666.2	667.7
125°	651.8	646.5	641.9	636.6	631.1	625.7	620.4	614.8	609.4	603.8	604.4
127.5°	599.2	595.6	592.1	587.9	584.0	579.9	575.9	571.5	567.6	563.1	562.9
130°	566.6	563.4	560.0	556.3	552.8	548.8	544.9	541.0	537.2	533.0	532.9
132.5°	540.8	538.4	535.9	533.1	530.3	527.1	524.3	520.8	517.9	514.7	514.7
135°	524.8	522.3	520.2	517.6	515.0	511.8	508.8	505.7	502.7	499.5	499.7
137.5°	511.6	509.5	507.4	504.7	502.3	499.3	496.6	493.4	490.6	487.6	487.7
140°	499.6	497.7	495.7	493.1	490.9	488.4	485.7	482.9	480.1	477.2	477.7
142.5°	485.7	483.8	482.4	480.3	478.4	476.0	473.8	471.1	469.0	466.4	467.3
145°	477.2	475.8	474.5	472.8	470.8	468.7	466.8	464.4	462.5	460.3	461.2
147.5°	469.9	468.6	467.6	466.1	464.7	462.7	461.0	459.0	457.3	455.4	456.5
150°	463.6	462.5	461.4	460.2	458.6	456.9	455.2	453.6	451.8	450.0	451.1
152.5°	456.4	455.1	454.3	453.0	451.6	449.7	448.4	446.7	445.2	443.4	444.3
155°	453.3	452.0	450.9	449.7	448.4	446.8	445.2	443.8	442.4	440.7	441.4
157.5°	452.3	451.2	450.3	448.9	448.1	446.8	445.6	444.3	443.1	441.9	442.1
160°	453.7	452.6	451.6	450.4	449.2	448.0	447.0	445.6	444.8	443.4	443.6
162.5°	455.2	454.1	453.0	451.8	450.8	449.5	448.5	447.5	446.4	445.1	445.5
165°	458.0	457.5	456.6	455.7	454.9	454.1	453.3	452.2	451.5	450.4	450.7
167.5°	464.3	463.2	462.5	461.5	460.5	459.7	458.7	457.7	457.0	455.8	456.0
170°	467.6	466.8	466.3	465.8	465.1	464.4	464.0	463.3	462.6	461.9	462.2
172.5°	471.2	470.6	470.3	470.0	469.3	468.9	468.4	467.9	467.6	467.0	467.6
175°	472.4	471.9	471.8	471.4	471.1	470.8	470.7	470.3	470.3	469.8	470.1
177.5°	475.9	475.8	475.8	475.6	475.6	475.4	475.2	474.9	474.7	474.7	475.0
180°	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7



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 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL30

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°	215.3	220.2	230.3	231.4	238.5	238.8	193.2	189.0	184.0	185.3	178.6
92.5°	73.5	78.2	83.6	88.4	93.7	98.8	98.5	102.0	97.3	91.8	87.5
95°	84.4	92.3	100.4	108.4	116.5	124.4	132.5	140.5	133.0	125.5	118.0
97.5°	94.9	104.4	113.7	123.1	132.6	142.1	151.6	161.2	153.1	144.7	136.6
100°	123.9	141.7	159.2	176.9	194.4	212.2	229.8	247.5	232.0	216.2	200.7
102.5°	253.7	291.3	328.8	366.2	403.7	441.2	479.0	516.6	480.8	445.0	409.2
105°	488.2	548.9	609.7	670.2	731.1	791.8	853.1	914.0	856.9	799.6	742.5
107.5°	771.3	833.2	894.5	956.0	1017.7	1079.4	1141.7	1203.4	1147.6	1091.6	1035.9
110°	948.0	992.8	1037.8	1082.5	1127.3	1172.2	1218.1	1263.1	1229.5	1195.8	1162.3



TEST NUMBER: P1444558
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL30

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	987.8	1020.0	1052.0	1083.9	1115.7	1147.7	1181.2	1213.5	1196.5	1179.2	1162.5
115°	936.5	958.1	979.4	1000.8	1022.3	1043.4	1066.8	1088.7	1082.9	1077.2	1071.6
117.5°	846.4	858.2	870.1	881.8	893.4	905.1	919.4	931.5	932.0	932.6	933.3
120°	750.5	755.2	759.9	764.7	769.2	773.9	781.4	786.7	790.8	794.7	798.9
122.5°	669.3	670.9	672.3	673.8	675.2	676.6	681.4	683.6	686.1	688.8	691.4
125°	604.8	605.3	605.8	606.2	606.4	606.9	611.2	612.1	611.8	611.5	611.2
127.5°	562.6	562.3	561.9	561.6	560.9	560.6	564.2	564.6	562.2	559.8	557.1
130°	532.8	532.8	532.5	532.5	532.5	532.4	536.5	537.5	533.6	529.3	525.4
132.5°	514.6	514.8	514.5	514.8	514.8	514.7	519.3	520.5	516.2	511.4	507.0
135°	499.7	500.0	500.2	500.3	500.5	501.0	506.1	507.4	503.3	498.8	494.6
137.5°	487.7	488.0	488.2	488.7	488.8	489.2	494.9	496.4	493.1	489.3	485.9
140°	478.0	478.3	478.8	479.5	479.9	480.5	486.7	488.6	486.0	483.0	480.0
142.5°	467.7	468.8	469.7	470.8	471.7	473.0	480.2	482.5	480.4	477.9	475.9
145°	462.0	463.4	464.4	465.8	467.1	468.5	476.7	479.5	478.0	476.4	474.8
147.5°	457.0	458.1	459.2	460.4	461.6	463.4	471.8	474.7	473.9	472.7	471.6
150°	451.8	453.1	454.1	455.4	456.9	458.4	468.1	471.5	470.7	469.8	468.7
152.5°	445.1	446.1	447.2	448.3	449.4	451.0	462.6	466.3	465.6	464.5	463.9
155°	442.0	442.6	443.3	444.3	445.1	446.4	459.0	462.7	462.2	461.6	461.1
157.5°	442.4	442.8	443.0	443.6	444.2	445.0	458.1	462.1	461.4	461.0	460.5
160°	443.7	444.0	444.1	444.5	444.7	445.2	458.9	462.5	462.1	461.5	461.0
162.5°	445.7	446.5	446.8	447.3	447.8	448.5	462.2	466.4	465.5	464.8	464.2
165°	450.8	450.8	451.0	451.4	451.5	451.8	464.8	468.1	467.8	467.2	466.7
167.5°	456.1	456.5	456.6	457.0	457.3	457.9	470.0	473.2	472.9	472.2	471.8
170°	462.2	462.7	462.7	463.1	463.5	464.1	474.0	476.9	476.5	475.6	475.1
172.5°	467.7	468.3	468.7	469.1	469.5	470.1	478.6	481.2	480.8	480.3	479.6
175°	470.4	470.6	471.0	471.5	471.9	472.3	479.0	480.9	480.7	480.3	480.1
177.5°	475.4	475.5	475.9	476.3	476.7	477.0	481.0	482.2	482.1	482.1	481.9
180°	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7



TEST NUMBER: P1444558
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL30

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°	177.8	171.3	173.6	170.8	175.5	172.9	177.3	173.9	179.5	179.3	186.8
92.5°	81.6	77.1	71.4	66.7	61.2	56.7	53.7	51.9	49.0	47.2	44.2
95°	110.5	103.0	95.5	88.0	80.6	73.1	70.4	67.7	64.9	62.2	59.4
97.5°	128.6	120.6	112.6	104.4	96.4	88.3	86.5	84.6	82.9	81.1	79.2
100°	185.0	169.5	154.0	138.3	122.8	107.2	105.8	104.3	102.9	101.4	99.9
102.5°	373.6	337.8	302.2	266.5	231.0	195.2	189.0	182.8	176.6	170.4	164.2
105°	685.3	628.1	571.1	514.0	457.0	399.9	382.9	365.6	348.7	331.7	314.6
107.5°	980.1	924.2	868.6	813.0	757.3	701.6	674.6	647.7	620.7	593.8	566.9
110°	1128.3	1094.8	1061.4	1027.6	994.3	960.9	934.9	909.4	883.5	857.8	832.2



TEST NUMBER: P1444558
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL30

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	1145.3	1128.4	1111.3	1094.5	1077.7	1060.9	1048.3	1035.7	1023.1	1010.5	997.7
115°	1065.8	1060.2	1054.6	1049.2	1043.8	1038.2	1037.1	1036.2	1035.0	1034.1	1033.2
117.5°	933.7	934.3	934.8	935.6	936.4	937.1	943.6	949.8	956.5	963.2	970.0
120°	802.8	806.8	810.8	815.2	819.2	823.5	831.9	840.8	849.4	858.6	867.5
122.5°	694.0	696.6	699.1	701.9	704.6	707.3	715.7	724.3	732.8	741.7	750.7
125°	610.5	610.1	609.7	609.1	608.7	608.6	615.2	622.1	629.2	636.5	643.5
127.5°	554.6	551.8	549.2	546.8	544.0	541.7	545.3	549.3	553.1	557.2	561.2
130°	521.3	517.1	512.7	509.0	504.5	500.6	501.6	502.8	504.0	505.5	506.8
132.5°	502.3	497.6	492.9	488.1	483.4	478.7	478.0	477.3	476.6	476.3	476.1
135°	489.9	485.7	480.9	476.5	471.7	467.6	465.8	464.2	462.6	461.2	460.0
137.5°	482.1	478.5	474.7	471.1	467.3	463.7	461.2	459.6	457.4	455.9	454.1
140°	476.9	474.1	470.8	467.8	464.6	461.8	459.8	458.2	456.5	455.0	453.5
142.5°	473.4	471.0	468.6	466.4	463.9	461.6	459.8	458.2	456.6	455.2	453.6
145°	473.1	471.6	469.9	468.1	466.5	464.8	463.2	462.0	460.7	459.4	458.5
147.5°	470.5	469.3	468.1	467.0	465.6	464.4	463.2	462.6	461.2	460.6	459.6
150°	467.6	466.6	465.4	464.5	463.2	462.2	461.3	460.8	459.9	459.6	458.7
152.5°	462.7	461.9	460.9	460.1	458.8	457.9	457.2	456.7	456.1	455.6	454.7
155°	460.2	459.5	458.7	458.0	457.0	456.5	455.7	454.8	454.2	453.5	452.7
157.5°	459.8	459.1	458.2	457.8	456.8	456.1	455.4	454.8	454.0	453.4	452.6
160°	460.4	459.8	459.0	458.3	457.7	457.0	456.0	455.2	454.3	453.6	452.6
162.5°	463.3	462.5	461.8	461.0	459.9	459.2	458.3	457.8	457.1	456.4	455.5
165°	466.0	465.3	464.6	464.0	463.5	462.8	461.8	461.2	460.1	459.4	458.4
167.5°	471.1	470.7	470.0	469.5	468.7	468.0	467.4	466.5	465.6	464.7	463.8
170°	474.6	473.9	473.3	472.4	471.7	470.8	470.2	469.3	468.4	467.9	467.0
172.5°	479.1	478.8	478.1	477.6	476.8	476.2	475.7	475.0	474.3	473.6	473.2
175°	479.9	479.8	479.6	479.1	478.9	478.5	478.2	478.0	477.7	477.5	477.1
177.5°	481.9	481.7	481.7	481.4	481.2	481.2	480.8	480.6	480.3	480.0	479.9
180°	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7



TEST NUMBER: P1444558
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL30

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°	185.0	190.0	184.8	185.8	181.5	183.5	175.3	173.6	161.4	157.8	147.1
92.5°	42.2	39.4	37.0	34.6	37.7	39.5	42.5	44.2	47.1	49.0	51.9
95°	56.7	53.9	51.2	48.5	50.7	52.8	55.1	57.2	59.4	61.6	63.8
97.5°	77.4	75.6	73.8	71.9	73.2	74.5	75.7	77.0	78.3	79.6	81.0
100°	98.4	97.0	95.5	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
102.5°	158.0	151.7	145.5	139.3	143.5	147.7	151.9	156.1	160.3	164.4	168.9
105°	297.7	280.7	263.7	246.8	263.2	279.6	296.0	312.5	328.9	345.7	362.1
107.5°	539.9	513.1	486.3	459.4	489.6	519.5	549.4	579.3	609.3	639.3	669.4
110°	806.7	781.1	755.6	730.0	761.8	793.5	825.3	857.0	889.0	920.8	952.8



TEST NUMBER: P1444558
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL30

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	985.3	972.9	960.5	948.1	968.6	989.0	1009.4	1030.2	1050.7	1071.3	1091.7
115°	1032.4	1031.6	1030.9	1030.1	1039.8	1049.5	1059.1	1069.0	1078.8	1088.5	1098.5
117.5°	976.6	983.4	990.3	997.3	1000.4	1003.5	1006.8	1009.9	1013.3	1016.5	1019.9
120°	876.6	885.5	894.8	904.1	902.8	901.6	900.5	899.2	898.4	897.3	896.7
122.5°	759.7	768.6	777.9	787.0	784.3	781.5	779.0	776.5	774.1	771.8	769.6
125°	651.2	658.6	666.2	674.0	671.3	668.5	665.8	663.6	661.2	658.8	656.9
127.5°	565.9	570.4	574.9	579.6	578.4	577.1	576.2	575.2	574.4	573.8	573.3
130°	508.6	510.4	512.6	514.5	514.9	515.3	516.0	516.7	517.8	518.6	520.0
132.5°	476.3	476.2	476.6	476.9	478.3	479.8	481.7	483.5	485.8	487.7	490.5
135°	459.1	458.2	457.6	457.1	459.3	461.2	463.8	466.3	469.3	472.3	475.5
137.5°	452.9	451.5	450.7	449.4	451.6	453.8	456.3	458.9	461.6	464.7	468.1
140°	452.3	451.2	450.5	449.4	451.6	453.6	456.2	458.6	461.5	464.5	467.7
142.5°	452.6	451.3	450.6	449.8	451.6	453.6	456.0	458.2	461.0	463.5	466.4
145°	457.5	456.4	455.9	455.2	456.5	458.0	459.6	461.3	463.4	465.2	467.6
147.5°	458.9	458.2	458.0	457.4	458.4	459.4	460.7	461.7	463.4	464.7	466.6
150°	458.6	458.0	457.7	457.5	458.1	458.6	459.6	460.1	461.2	462.0	463.5
152.5°	454.6	453.9	454.0	453.7	454.1	454.6	455.3	455.9	456.8	457.5	458.8
155°	452.3	451.8	451.4	450.9	450.9	451.0	451.3	451.4	451.8	452.1	452.5
157.5°	452.2	451.6	451.3	450.6	450.5	450.2	450.2	450.1	450.2	449.8	450.0
160°	452.1	451.1	450.4	449.7	449.7	449.4	449.6	449.3	449.5	449.6	449.7
162.5°	455.0	454.4	453.9	453.2	452.9	452.2	451.8	451.3	450.9	450.6	450.4
165°	457.6	456.8	456.0	455.0	454.8	454.6	454.3	454.0	453.8	453.4	453.5
167.5°	463.3	462.2	461.5	460.7	460.2	459.3	458.9	458.2	457.9	457.3	457.1
170°	466.5	465.6	465.1	464.4	464.1	463.6	463.4	462.9	462.7	462.6	462.6
172.5°	472.7	471.9	471.4	470.9	470.6	470.3	470.1	469.9	469.6	469.6	469.4
175°	476.9	476.6	476.4	476.1	475.7	475.5	475.1	474.9	474.8	474.5	474.3
177.5°	479.3	479.0	478.8	478.6	478.4	478.4	478.4	478.4	478.4	478.2	478.1
180°	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7



TEST NUMBER: P1444558
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL30

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°	145.7	136.4	135.9	129.3	130.3	124.7	127.6	124.1	127.7	124.1	128.2
92.5°	53.7	56.0	60.3	65.2	69.2	73.6	77.9	82.7	86.8	91.5	95.5
95°	65.9	68.2	74.0	79.8	85.7	91.5	97.4	103.3	109.2	115.0	120.8
97.5°	82.2	83.5	89.3	95.2	101.0	106.9	112.8	119.0	124.8	130.7	136.5
100°	94.1	94.2	110.8	127.5	144.1	160.9	177.5	194.1	211.0	227.7	244.2
102.5°	173.1	177.2	219.2	261.3	303.3	345.3	387.5	429.6	471.6	513.9	556.1
105°	378.5	395.1	459.2	523.5	587.5	651.7	716.0	780.4	844.5	908.8	973.1
107.5°	699.4	729.5	787.6	845.7	903.5	961.7	1019.8	1077.9	1135.9	1194.1	1252.6
110°	984.6	1016.5	1055.4	1094.4	1133.5	1172.4	1211.4	1250.4	1289.7	1328.7	1368.0



TEST NUMBER: P1444558
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL30

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	1112.3	1133.1	1155.7	1178.7	1201.5	1224.3	1247.2	1270.1	1293.3	1316.3	1339.3
115°	1108.5	1118.6	1127.2	1136.5	1145.4	1154.6	1163.7	1173.1	1182.5	1191.9	1201.2
117.5°	1023.2	1027.0	1028.4	1030.2	1031.8	1033.9	1035.7	1037.8	1039.8	1042.0	1043.7
120°	895.7	895.0	893.8	892.8	891.7	890.8	890.0	889.2	888.6	887.9	887.0
122.5°	767.3	765.3	764.2	763.4	762.6	761.9	761.2	760.9	760.3	759.8	759.1
125°	654.8	653.0	654.8	656.6	658.6	660.6	662.5	664.9	667.0	669.2	671.5
127.5°	572.8	572.7	576.5	580.5	584.7	588.9	593.1	597.5	601.6	606.2	610.2
130°	521.4	522.9	527.8	533.0	538.0	543.4	548.6	554.1	559.2	564.4	569.7
132.5°	492.8	495.8	500.4	505.6	510.4	515.5	520.8	525.9	531.0	536.3	541.1
135°	478.8	482.4	486.8	491.6	496.2	501.1	505.8	510.7	515.1	520.0	524.5
137.5°	471.2	474.8	478.7	482.6	486.3	490.5	494.3	498.4	502.1	506.1	509.8
140°	470.8	474.4	476.7	479.5	481.9	484.4	486.7	489.6	491.8	494.6	496.8
142.5°	469.3	472.7	474.0	475.9	477.6	479.8	481.5	483.4	484.9	486.6	488.1
145°	469.8	472.4	472.9	473.7	474.3	475.1	475.6	476.4	476.8	477.3	477.7
147.5°	468.3	470.2	470.1	470.7	470.8	470.9	471.3	471.5	471.4	471.8	471.9
150°	464.4	465.9	465.5	465.6	465.2	465.2	464.7	464.7	464.3	464.3	463.9
152.5°	459.6	460.8	460.0	460.0	459.3	459.0	458.3	458.2	457.6	457.3	457.0
155°	452.8	453.3	452.9	452.7	452.4	452.2	451.8	451.9	451.8	451.6	451.6
157.5°	450.1	450.1	449.9	449.7	449.3	449.3	449.2	449.2	449.1	449.5	449.6
160°	449.6	449.8	449.4	449.2	449.0	448.8	448.7	448.9	448.9	449.3	449.5
162.5°	449.9	449.7	449.3	449.1	449.0	449.0	449.0	449.3	449.4	449.7	450.0
165°	453.5	453.7	453.0	452.9	452.6	452.4	452.1	452.1	452.3	452.4	452.5
167.5°	456.8	456.6	456.6	456.7	456.7	456.9	457.1	457.8	457.9	458.5	458.7
170°	462.4	462.6	462.2	462.2	462.0	461.9	462.0	462.0	462.1	462.3	462.2
172.5°	469.4	469.4	469.0	468.6	468.3	468.1	467.7	467.6	467.4	467.2	466.8
175°	474.0	473.8	473.6	473.4	473.2	472.8	472.7	472.2	472.0	471.8	471.6
177.5°	477.9	477.5	477.4	477.4	477.2	477.1	477.1	476.9	476.9	476.9	476.6
180°	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7



TEST NUMBER: P1444558
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL30

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°	118.4	116.3	106.9	105.0	96.0	91.3	81.0	77.5	67.9	65.9	59.6
92.5°	90.6	85.6	81.1	75.7	71.3	66.3	61.4	56.4	51.5	49.5	48.2
95°	113.7	106.8	99.7	92.5	85.4	78.2	71.4	64.2	57.1	55.7	54.2
97.5°	128.3	119.9	111.5	103.2	94.8	86.4	78.2	69.8	61.4	60.5	59.5
100°	225.0	205.9	186.6	167.3	148.0	128.7	109.5	90.2	71.0	69.9	68.7
102.5°	509.1	462.4	415.7	368.9	322.3	275.4	228.7	181.8	135.1	128.3	121.6
105°	902.2	831.4	760.9	690.1	619.2	548.3	477.7	406.7	335.9	313.2	290.3
107.5°	1186.0	1119.4	1053.1	986.6	920.0	853.7	787.0	720.4	653.7	613.8	573.8
110°	1315.2	1262.4	1210.1	1157.2	1104.6	1051.8	999.1	946.3	893.5	859.0	824.9



TEST NUMBER: P1444558
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL30

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	1300.8	1262.3	1224.0	1185.4	1147.0	1108.3	1069.9	1031.1	992.4	971.8	950.8
115°	1178.3	1155.3	1132.3	1109.2	1086.3	1063.2	1040.1	1016.7	993.5	982.6	971.9
117.5°	1032.5	1020.9	1009.5	997.9	986.3	974.6	963.0	951.3	939.6	936.0	932.3
120°	884.3	881.2	877.7	874.6	871.4	868.2	864.8	861.4	857.9	858.8	859.6
122.5°	761.2	763.1	765.2	766.7	768.8	770.4	772.4	773.8	775.5	778.9	782.3
125°	675.5	679.4	683.5	687.4	691.2	695.2	699.3	702.9	707.0	710.1	713.8
127.5°	615.0	619.3	623.9	628.1	632.9	637.1	641.5	645.7	650.0	653.2	656.7
130°	573.8	577.6	581.8	585.5	589.5	593.4	597.3	601.3	605.0	607.9	610.6
132.5°	544.8	548.4	552.2	555.6	559.4	562.8	566.5	569.9	573.9	575.9	578.3
135°	527.6	530.2	533.2	535.8	539.0	541.6	544.5	547.5	550.6	552.3	554.2
137.5°	512.3	514.6	517.1	519.3	522.0	524.3	527.0	529.4	532.3	533.3	534.9
140°	499.3	501.7	504.1	506.5	509.2	511.7	514.6	517.1	520.1	521.2	522.7
142.5°	490.1	492.0	494.0	496.0	498.2	500.1	502.6	505.0	507.4	508.7	509.9
145°	480.1	482.1	484.5	486.6	488.8	491.2	494.1	496.7	499.5	500.4	501.6
147.5°	473.7	475.5	477.5	479.5	481.6	483.5	486.1	488.4	490.9	491.9	492.9
150°	465.9	467.6	469.7	471.6	473.9	476.2	478.7	481.1	484.0	485.2	486.3
152.5°	458.9	460.9	463.0	465.3	467.6	470.2	472.8	475.4	478.1	479.1	480.4
155°	453.7	455.4	457.8	460.0	462.4	464.5	467.2	469.7	472.3	473.6	474.7
157.5°	451.6	453.1	455.3	457.4	459.5	461.6	464.2	466.2	468.6	469.7	470.7
160°	451.3	452.9	454.8	456.7	458.7	460.6	462.7	464.6	466.7	467.7	468.7
162.5°	451.7	453.5	455.4	457.0	459.1	461.0	463.2	464.9	467.0	467.7	468.8
165°	453.9	455.3	456.9	458.1	459.6	461.0	462.6	464.1	465.7	466.4	467.6
167.5°	460.2	461.0	462.0	463.1	464.4	465.5	467.0	467.9	469.3	470.2	471.0
170°	463.4	464.2	465.0	466.2	467.2	468.2	469.3	470.1	471.5	472.2	473.1
172.5°	467.5	467.8	468.7	469.2	470.0	470.5	471.3	472.0	472.7	473.7	474.3
175°	472.1	472.3	472.7	472.9	473.2	473.5	474.0	474.5	474.9	475.5	476.0
177.5°	476.8	477.0	477.2	477.3	477.7	477.9	478.3	478.5	478.9	479.5	480.2
180°	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7



TEST NUMBER: P1444558
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL30

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°	58.3	52.6	51.5	46.2	44.7	40.9	39.9	39.9	40.8	41.2	42.3
92.5°	46.5	44.9	43.3	41.7	40.0	38.4	36.7	38.4	40.0	41.7	43.3
95°	52.7	51.3	49.8	48.4	46.9	45.5	44.0	45.5	46.9	48.5	49.9
97.5°	58.7	57.7	56.8	55.9	55.0	54.0	53.1	54.2	55.2	56.0	57.0
100°	67.7	66.6	65.4	64.4	63.3	62.2	61.1	62.4	63.6	64.7	65.7
102.5°	115.0	108.2	101.5	94.7	87.9	81.3	74.5	81.3	87.9	94.8	101.6
105°	267.5	244.9	222.0	199.3	176.5	153.6	130.8	153.8	176.7	199.5	222.3
107.5°	533.6	493.7	453.6	413.6	373.2	333.3	293.1	333.5	373.6	413.8	454.0
110°	790.1	755.5	721.1	686.6	651.9	617.5	582.7	617.6	652.2	686.9	721.6



TEST NUMBER: P1444558
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL30

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	929.9	909.0	888.0	867.2	846.1	825.1	804.0	825.4	846.7	868.0	888.9
115°	961.1	950.0	939.2	928.2	917.2	906.1	894.8	906.6	917.9	929.2	940.5
117.5°	928.6	925.1	921.3	917.6	913.8	910.0	906.0	910.4	914.6	919.1	923.0
120°	860.2	861.1	861.8	862.3	863.0	863.4	863.7	864.1	864.1	864.1	863.9
122.5°	785.5	788.9	791.9	795.1	798.1	801.2	803.9	801.9	799.5	797.3	794.5
125°	717.0	720.7	724.0	727.3	730.4	733.7	736.3	734.6	732.3	729.8	727.1
127.5°	659.9	663.1	666.0	669.4	672.1	674.9	677.5	675.9	674.0	671.9	669.5
130°	613.1	616.0	618.3	620.9	623.1	625.2	627.0	626.2	624.9	623.9	622.1
132.5°	580.3	582.7	584.8	586.9	588.4	590.3	591.4	591.4	590.6	590.0	588.8
135°	556.1	557.7	559.2	561.0	562.2	563.4	564.1	564.6	564.4	564.2	563.5
137.5°	536.1	537.6	538.5	539.5	540.4	541.0	541.2	542.1	542.5	543.1	543.0
140°	523.8	525.2	526.5	527.4	528.3	529.2	529.3	530.4	530.7	531.1	531.0
142.5°	511.3	512.5	513.7	514.8	515.5	516.3	516.6	517.5	517.9	518.2	518.2
145°	502.7	503.5	504.6	505.5	505.9	506.4	506.3	507.6	508.1	508.7	509.1
147.5°	493.8	494.9	495.6	496.3	496.7	497.2	497.3	498.3	498.9	499.5	499.9
150°	487.6	488.8	489.9	490.8	491.6	492.3	492.4	493.2	493.6	493.9	494.0
152.5°	481.4	482.4	483.5	484.2	485.0	485.5	485.8	486.6	487.2	487.7	487.9
155°	475.8	477.0	477.9	478.9	479.6	480.4	481.1	481.8	482.3	482.6	483.0
157.5°	471.6	472.8	473.7	474.6	475.3	476.3	477.0	477.8	478.3	479.0	479.3
160°	469.6	470.8	471.4	472.4	473.2	474.0	474.7	475.5	476.2	476.7	477.3
162.5°	469.6	470.7	471.1	472.1	473.0	473.8	474.4	475.3	476.0	476.6	477.2
165°	468.6	469.7	470.4	471.4	472.5	473.5	474.1	474.8	475.1	475.6	475.9
167.5°	471.9	473.0	473.6	474.5	475.2	476.3	477.2	477.6	477.9	478.2	478.5
170°	473.8	474.6	475.4	476.1	477.0	477.8	478.3	478.6	479.0	479.3	479.6
172.5°	474.9	476.0	476.8	477.8	478.4	479.3	480.1	480.3	480.3	480.3	480.1
175°	476.5	477.3	477.9	478.6	479.1	479.8	480.5	480.3	480.4	480.3	480.3
177.5°	480.8	481.8	482.5	483.1	483.7	484.2	485.0	484.4	484.1	483.6	483.1
180°	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7



TEST NUMBER: P1444558
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL30

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°	42.9	43.8	44.5	45.6	47.2	50.0	53.1	56.0	59.7	62.4	65.7
92.5°	44.9	46.7	48.4	50.0	51.7	56.6	61.6	66.5	71.6	76.3	81.3
95°	51.4	52.8	54.3	56.1	57.6	64.7	71.8	78.9	86.1	93.2	100.4
97.5°	58.2	59.1	60.0	61.0	62.1	70.5	78.8	87.3	95.7	104.0	112.3
100°	67.1	68.2	69.2	70.6	71.7	91.0	110.3	129.7	149.0	168.2	187.5
102.5°	108.5	115.3	122.1	129.1	135.8	182.8	229.7	276.5	323.2	370.1	416.8
105°	245.2	268.0	291.2	314.1	336.8	407.8	478.9	549.9	620.5	691.4	762.4
107.5°	494.2	534.4	574.8	614.9	655.1	721.9	788.5	855.2	922.0	988.6	1054.9
110°	756.6	790.9	826.0	860.6	895.3	948.1	1001.2	1054.0	1106.9	1159.8	1212.5



TEST NUMBER: P1444558
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL30

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	910.4	931.3	952.5	973.4	994.5	1033.3	1072.4	1111.1	1150.0	1188.4	1227.1
115°	951.9	962.7	974.0	985.0	996.4	1019.7	1042.9	1066.3	1089.8	1112.7	1136.2
117.5°	927.1	931.0	935.1	938.7	942.7	954.6	966.5	978.4	990.4	1002.2	1014.0
120°	863.7	863.3	863.0	862.3	861.9	865.3	869.1	872.6	876.2	879.5	882.8
122.5°	792.1	789.0	786.3	783.2	780.4	778.6	777.2	775.5	774.3	772.5	771.0
125°	724.4	721.4	718.5	715.3	712.1	708.5	705.0	701.1	697.4	693.8	690.0
127.5°	667.5	664.6	662.1	659.1	656.2	652.0	647.9	643.6	639.7	635.1	631.0
130°	620.6	618.4	616.6	614.0	612.1	608.0	604.6	600.8	597.1	593.3	589.6
132.5°	587.8	586.1	584.8	582.7	581.2	577.6	574.7	570.9	567.5	564.1	560.8
135°	563.1	562.1	561.2	559.9	558.6	555.7	553.3	550.5	547.8	545.1	542.5
137.5°	543.1	542.4	541.9	541.3	540.7	538.2	536.1	533.7	531.6	529.1	527.1
140°	531.0	530.5	530.2	529.5	528.9	526.5	524.2	521.8	519.5	517.0	514.8
142.5°	518.1	517.8	517.4	516.8	516.3	514.3	512.7	510.8	508.9	507.0	505.2
145°	509.1	509.0	509.1	508.6	508.7	506.3	504.4	502.1	500.3	498.1	496.2
147.5°	500.2	500.1	500.4	500.2	500.4	498.6	497.0	495.2	493.7	491.8	490.3
150°	494.1	494.1	494.1	493.8	493.7	491.9	490.5	488.6	487.2	485.3	483.8
152.5°	488.0	488.2	488.4	488.4	488.6	487.0	485.4	483.6	482.0	480.1	478.5
155°	483.3	483.5	483.5	483.5	483.5	482.1	480.6	479.1	477.6	476.0	474.5
157.5°	479.7	480.0	480.3	480.4	480.6	479.4	478.1	476.8	475.5	474.0	472.8
160°	477.7	478.2	478.5	478.7	479.1	478.0	477.2	475.8	475.0	473.6	472.3
162.5°	477.6	478.1	478.4	478.6	478.9	477.8	477.2	476.0	474.9	473.5	472.4
165°	476.5	476.5	476.8	476.8	476.9	476.2	475.6	474.9	474.1	473.3	472.5
167.5°	478.9	478.9	479.2	479.2	479.3	478.7	478.8	478.0	477.4	477.0	476.4
170°	479.8	480.0	480.1	480.1	480.2	479.6	479.3	478.7	478.4	477.6	477.1
172.5°	480.2	480.0	480.0	480.0	479.8	479.4	479.1	478.8	478.6	478.2	477.8
175°	480.1	479.8	479.9	479.7	479.4	479.4	479.2	479.2	479.0	478.9	478.7
177.5°	483.0	482.6	482.0	481.6	481.2	481.0	481.0	480.8	480.9	480.8	480.6
180°	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7



TEST NUMBER: P1444558
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL30

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°	68.8	85.4	88.2	86.9	81.1	79.0	73.6	72.2	67.6	66.1	61.6
92.5°	86.2	91.1	96.1	91.7	87.4	82.9	78.5	74.0	69.8	65.2	61.0
95°	107.4	114.2	121.3	115.5	109.6	103.7	97.8	92.0	86.2	80.3	74.5
97.5°	120.7	128.8	137.0	131.2	125.3	119.3	113.4	107.5	101.7	95.8	89.9
100°	206.9	225.5	244.7	228.2	211.4	194.8	178.2	161.3	144.8	128.2	111.3
102.5°	463.6	509.9	556.6	514.4	472.3	430.1	388.1	346.0	304.0	261.7	219.7
105°	833.0	903.3	973.9	909.3	845.0	780.9	716.6	652.4	588.1	523.8	459.7
107.5°	1121.6	1187.0	1253.1	1195.0	1136.8	1078.8	1020.4	962.3	904.1	846.0	787.9
110°	1265.3	1316.6	1369.0	1329.6	1290.7	1251.3	1212.3	1172.9	1134.0	1095.1	1056.1



TEST NUMBER: P1444558
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL30

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	1265.6	1302.4	1340.5	1317.1	1294.2	1271.1	1248.2	1225.0	1202.3	1179.2	1156.6
115°	1159.1	1179.9	1202.5	1193.0	1183.7	1174.3	1164.9	1155.8	1146.4	1137.2	1128.3
117.5°	1025.8	1034.7	1045.5	1043.3	1041.4	1039.1	1037.2	1035.1	1033.3	1031.4	1029.5
120°	886.3	886.6	889.1	889.7	890.5	891.0	891.9	892.4	893.3	894.2	895.2
122.5°	769.2	764.3	761.4	761.9	762.5	762.7	763.4	764.0	764.5	765.1	766.0
125°	686.2	678.6	673.8	671.6	669.5	667.2	665.1	662.7	660.9	658.9	657.0
127.5°	626.8	618.5	613.2	609.0	604.8	600.3	596.1	591.8	587.7	583.2	579.3
130°	585.9	577.8	572.9	567.6	562.7	557.1	552.1	546.9	541.5	536.4	531.3
132.5°	557.3	549.3	544.7	539.8	534.9	529.7	525.0	519.6	514.6	509.3	504.6
135°	539.7	532.2	528.4	523.7	519.4	514.7	510.0	505.3	500.8	496.0	491.7
137.5°	524.7	517.2	514.0	510.1	506.5	502.7	499.2	495.2	491.4	487.2	483.6
140°	512.3	504.6	501.1	498.9	496.7	494.2	492.0	489.5	487.2	484.8	482.3
142.5°	503.3	495.7	492.7	491.0	489.8	488.0	486.8	485.1	483.6	481.5	480.1
145°	494.1	485.7	482.4	481.8	481.7	481.1	480.7	480.3	479.9	479.1	478.7
147.5°	488.5	479.8	476.6	476.7	476.7	476.4	476.7	476.3	476.6	476.3	476.3
150°	481.8	472.1	468.3	468.8	468.9	469.4	469.8	470.0	470.6	470.8	471.1
152.5°	476.6	464.9	460.7	461.1	461.7	462.0	462.5	463.2	463.9	464.4	464.9
155°	472.6	460.0	455.3	455.2	455.4	455.6	455.8	456.2	456.6	456.9	457.5
157.5°	471.1	457.9	453.4	453.0	453.0	453.0	453.0	453.1	453.3	453.5	454.1
160°	471.0	457.8	453.3	452.9	452.9	452.7	452.6	452.5	452.7	452.9	453.3
162.5°	470.9	458.0	453.9	453.4	453.0	452.8	452.8	452.5	452.7	452.6	453.0
165°	471.5	460.1	456.2	455.9	456.0	455.8	455.8	455.9	456.1	456.2	456.6
167.5°	475.4	465.3	462.2	461.7	461.2	460.8	460.8	460.1	460.1	459.7	459.7
170°	476.3	468.3	465.6	465.4	465.6	465.5	465.3	465.3	465.3	465.2	465.4
172.5°	477.3	471.5	469.4	469.7	470.1	470.2	470.6	470.8	471.1	471.4	471.8
175°	478.5	474.9	474.0	474.0	474.1	474.3	474.5	474.6	474.8	475.0	475.5
177.5°	480.6	479.6	479.1	479.1	479.1	479.1	479.1	479.1	479.1	479.3	479.3
180°	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7



TEST NUMBER: P1444558
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL30

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°	60.8	57.5	57.9	54.2	55.8	51.8	54.4	50.8	54.3	49.6	57.0
92.5°	56.4	54.3	51.7	49.5	46.9	44.8	42.2	39.9	37.4	35.1	37.4
95°	68.6	66.4	64.3	61.9	59.7	57.5	55.4	53.1	51.0	48.8	51.5
97.5°	84.1	82.8	81.5	80.3	79.0	77.7	76.4	75.1	73.7	72.4	74.3
100°	94.7	94.7	94.7	94.7	94.4	94.4	94.4	94.4	94.4	94.4	95.9
102.5°	177.5	173.4	169.2	164.7	160.6	156.4	152.2	148.0	143.8	139.6	145.8
105°	395.4	379.0	362.4	346.1	329.4	313.0	296.5	280.1	263.6	247.3	264.2
107.5°	730.0	700.0	669.8	639.9	609.8	579.8	549.9	520.0	490.0	460.1	486.9
110°	1017.0	985.1	953.2	921.4	889.5	857.5	825.8	794.0	762.3	730.5	756.1



TEST NUMBER: P1444558
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL30

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	1133.8	1112.7	1092.2	1071.6	1051.0	1030.5	1010.0	989.6	969.1	948.7	961.1
115°	1119.0	1109.1	1099.2	1089.4	1079.5	1069.5	1059.6	1050.0	1040.3	1030.6	1031.4
117.5°	1027.8	1024.2	1020.8	1017.3	1013.9	1010.6	1007.4	1004.3	1001.0	998.1	991.1
120°	896.3	896.9	897.5	898.5	899.3	900.6	901.4	902.6	903.9	905.1	895.8
122.5°	766.9	768.7	770.8	773.1	775.3	777.8	780.2	782.9	785.7	788.4	779.1
125°	654.9	656.7	658.8	660.8	662.6	665.4	667.7	670.4	673.0	675.9	668.1
127.5°	575.3	575.6	575.7	576.3	576.7	577.7	578.6	579.8	581.1	582.5	577.5
130°	526.1	524.7	523.1	522.0	520.7	519.9	519.2	518.6	518.0	517.8	515.8
132.5°	499.4	496.7	494.1	491.7	489.4	487.4	485.3	483.8	482.3	480.9	480.3
135°	486.7	483.4	480.1	476.8	473.7	471.1	468.3	466.1	463.8	461.7	462.4
137.5°	479.9	476.6	473.2	470.1	466.9	464.4	461.4	459.1	457.0	454.8	455.9
140°	480.0	476.6	473.3	470.2	467.4	464.6	462.0	459.8	457.3	455.6	456.1
142.5°	478.3	475.6	472.4	469.8	467.0	464.5	462.2	460.3	457.9	456.3	457.1
145°	478.0	476.0	473.7	471.5	469.6	467.8	465.7	464.4	463.0	462.0	462.4
147.5°	476.0	474.6	472.7	471.2	469.5	468.4	467.1	466.0	464.9	464.3	464.4
150°	471.4	470.5	469.3	468.3	467.4	466.6	465.7	465.1	464.4	464.0	464.0
152.5°	465.5	464.7	463.8	463.0	462.1	461.5	460.9	460.4	459.9	459.5	459.4
155°	457.9	457.5	457.1	456.9	456.5	456.6	456.2	456.5	456.2	456.3	456.5
157.5°	454.3	454.4	454.2	454.5	454.5	454.8	454.7	455.1	455.1	455.6	455.9
160°	453.8	453.8	453.6	453.8	453.7	453.7	453.8	454.0	454.1	454.2	454.8
162.5°	453.2	453.7	453.9	454.2	454.8	455.0	455.5	456.2	456.6	457.2	457.8
165°	457.0	457.0	457.0	456.9	457.3	457.5	457.6	458.0	458.2	458.7	459.4
167.5°	459.6	459.9	460.0	460.3	460.7	461.1	461.4	462.1	462.7	463.6	464.1
170°	465.2	465.2	465.2	465.2	465.2	465.6	465.7	465.9	466.1	466.6	467.0
172.5°	472.1	472.1	471.7	472.1	471.7	472.1	472.1	472.2	472.2	472.4	472.6
175°	475.4	475.9	476.1	476.5	476.5	476.6	476.8	477.0	477.2	477.5	477.5
177.5°	479.3	479.4	479.4	479.4	479.4	479.6	479.6	479.6	479.6	479.4	479.6
180°	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7



TEST NUMBER: P1444558
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL30

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°	55.7	61.9	60.8	66.4	66.1	72.6	72.7	78.9	78.2	84.4	84.6
92.5°	39.9	42.2	44.6	46.9	49.4	51.7	54.1	56.4	61.6	66.3	71.8
95°	54.2	57.0	59.7	62.4	65.2	68.0	70.7	73.4	80.9	88.3	95.8
97.5°	76.3	77.9	79.7	81.5	83.4	85.1	87.0	88.8	97.1	105.1	113.2
100°	97.3	98.8	100.3	101.8	103.3	104.7	106.2	107.6	123.4	138.9	154.5
102.5°	152.0	158.2	164.4	170.7	177.1	183.3	189.5	195.7	231.4	267.0	302.6
105°	281.2	298.2	315.3	332.4	349.4	366.3	383.4	400.4	457.5	514.5	571.7
107.5°	513.8	540.6	567.4	594.5	621.3	648.3	675.1	702.1	757.8	813.6	869.3
110°	781.6	807.4	832.9	858.7	884.2	910.0	935.6	961.6	995.1	1028.5	1062.0



TEST NUMBER: P1444558
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL30

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	973.6	986.0	998.6	1011.2	1023.7	1036.5	1049.1	1061.8	1078.7	1095.6	1112.4
115°	1032.3	1033.0	1034.0	1035.0	1035.9	1036.9	1038.3	1039.3	1045.0	1050.4	1055.9
117.5°	984.4	977.6	971.0	964.2	957.7	951.3	945.0	938.6	937.8	937.0	936.7
120°	887.0	877.8	868.9	859.8	851.0	842.3	833.8	825.3	821.2	817.1	813.1
122.5°	770.2	761.2	752.3	743.4	734.8	726.3	718.0	709.7	707.0	704.4	701.9
125°	660.6	653.2	645.9	638.7	631.8	624.9	618.2	611.5	612.0	612.2	613.0
127.5°	573.1	568.7	564.4	560.3	556.6	552.6	549.0	545.2	547.9	550.6	553.4
130°	513.9	512.3	510.8	509.1	508.2	507.0	505.9	505.0	509.3	513.2	517.6
132.5°	480.5	480.4	480.7	480.9	481.6	482.2	483.2	483.7	488.5	493.1	497.8
135°	463.1	464.0	465.3	466.4	468.1	469.5	471.3	472.9	477.6	481.8	486.6
137.5°	457.1	458.3	460.0	461.4	463.5	465.2	467.4	469.3	473.1	476.7	480.4
140°	457.4	458.1	459.7	461.1	462.6	464.1	466.2	467.7	471.0	473.9	476.8
142.5°	458.2	458.9	460.3	461.6	463.2	464.5	466.3	467.6	470.1	472.2	474.9
145°	463.3	464.0	465.1	465.9	467.2	468.3	469.7	470.8	472.6	474.0	475.7
147.5°	465.0	465.5	466.4	467.3	468.2	469.1	469.9	470.8	472.1	473.1	474.3
150°	464.4	464.7	465.2	465.6	466.4	467.1	467.8	468.3	469.4	470.3	471.4
152.5°	460.1	460.2	460.7	461.1	461.7	462.2	462.7	463.3	464.4	465.0	466.1
155°	457.0	457.7	458.3	458.8	459.7	460.0	460.9	461.3	462.2	462.8	463.7
157.5°	456.6	456.9	457.8	458.1	458.9	459.4	460.1	460.6	461.4	461.9	462.6
160°	455.5	456.4	457.1	457.9	458.7	459.4	460.3	461.2	461.8	462.3	463.0
162.5°	458.3	459.0	459.7	460.2	460.9	461.5	462.0	462.7	463.8	464.3	465.3
165°	460.3	461.0	461.9	462.4	463.4	464.3	464.9	465.8	466.3	467.0	467.5
167.5°	464.9	465.4	466.5	467.1	467.9	468.6	469.5	470.2	470.8	471.1	471.8
170°	467.6	468.3	469.0	469.6	470.3	470.8	471.7	472.2	473.1	473.6	474.4
172.5°	473.1	473.7	474.1	474.4	474.9	475.7	476.2	476.6	477.2	477.7	478.3
175°	477.5	477.5	477.7	477.9	478.0	478.0	478.2	478.5	478.7	478.9	479.1
177.5°	479.8	480.0	480.2	480.3	480.4	480.6	480.8	481.0	481.0	481.0	481.0
180°	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7



TEST NUMBER: P1444558
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL30

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°	92.6	93.6	101.8	103.4	113.3	115.8	120.8	117.6	122.4	119.5	124.2
92.5°	76.5	82.0	87.2	92.2	97.3	102.7	97.7	93.0	88.2	83.7	78.7
95°	103.3	110.8	118.3	125.8	133.2	140.7	132.6	124.8	116.8	108.8	100.7
97.5°	121.2	129.2	137.2	145.2	153.4	161.4	151.9	142.4	132.9	123.6	114.2
100°	170.0	185.7	201.2	216.7	232.4	247.9	230.3	212.6	195.1	177.3	159.7
102.5°	338.5	374.1	409.9	445.6	481.2	516.9	479.5	442.1	404.6	367.2	329.6
105°	628.8	686.0	743.1	800.1	857.3	914.7	853.9	793.1	732.4	671.8	610.8
107.5°	925.1	980.8	1036.8	1092.4	1148.3	1204.3	1142.7	1081.0	1019.6	957.9	896.2
110°	1095.9	1129.3	1163.1	1196.8	1230.4	1264.3	1219.3	1174.5	1129.6	1084.6	1039.7



TEST NUMBER: P1444558
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL30

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	1129.4	1146.6	1163.4	1180.6	1197.7	1214.6	1182.7	1150.8	1118.7	1086.9	1054.7
115°	1061.7	1067.4	1073.1	1078.8	1084.4	1090.1	1068.7	1047.3	1026.0	1004.5	982.7
117.5°	936.0	935.7	934.9	934.8	934.0	933.6	921.7	910.0	898.1	886.1	874.3
120°	809.1	805.2	801.2	797.2	793.1	789.0	784.4	779.7	774.7	769.9	764.8
122.5°	699.2	697.0	694.2	691.7	688.9	686.3	684.7	683.3	681.6	680.0	678.2
125°	613.4	613.9	614.3	614.8	615.0	615.5	614.8	614.4	613.7	613.2	612.5
127.5°	555.8	558.6	561.0	563.5	565.9	568.5	568.6	569.0	569.1	569.3	569.4
130°	521.5	525.9	529.8	533.6	537.4	541.6	541.3	541.4	541.3	541.2	541.0
132.5°	502.5	507.0	511.5	516.2	520.5	525.0	524.7	524.7	524.1	524.2	523.9
135°	490.8	495.3	499.4	504.0	507.9	512.2	511.7	511.3	510.7	510.5	510.0
137.5°	483.8	487.6	491.0	494.6	497.7	501.3	500.6	500.3	499.6	499.5	498.9
140°	479.6	482.5	485.2	488.1	490.8	493.6	492.8	492.1	491.3	490.6	489.7
142.5°	477.0	479.3	481.2	483.6	485.6	487.8	486.3	485.1	483.9	482.7	481.4
145°	477.2	478.9	480.3	481.9	482.9	484.6	483.0	481.5	479.7	478.3	476.7
147.5°	475.3	476.5	477.2	478.3	478.8	480.1	478.3	476.9	475.3	473.6	471.9
150°	472.1	473.2	474.0	474.7	475.5	476.5	474.6	473.0	471.0	469.4	467.6
152.5°	466.9	467.6	468.4	469.1	469.8	470.5	468.6	467.4	465.4	463.6	461.9
155°	464.0	464.8	465.1	465.8	466.0	466.5	464.8	463.7	462.2	460.8	459.1
157.5°	463.1	463.8	464.3	464.5	464.9	465.4	464.4	463.4	462.0	461.2	459.9
160°	463.5	464.0	464.4	464.8	465.3	465.5	464.5	464.1	463.0	461.9	460.9
162.5°	465.8	466.6	467.1	467.6	468.3	468.8	467.7	466.9	465.7	464.6	463.3
165°	468.0	468.5	469.0	469.5	469.7	470.2	469.5	468.8	467.9	467.4	466.5
167.5°	472.2	472.9	473.2	473.7	473.9	474.1	473.5	473.0	472.1	471.3	470.5
170°	474.8	475.2	476.0	476.5	476.9	477.2	476.8	476.3	475.5	474.9	474.1
172.5°	478.8	479.3	479.5	480.0	480.2	480.6	480.1	479.4	478.8	478.1	477.3
175°	479.1	479.2	479.6	479.6	479.6	479.8	479.2	478.7	478.1	477.5	477.1
177.5°	481.0	481.0	481.0	480.9	480.9	480.9	480.5	480.2	479.9	479.5	478.9
180°	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7



TEST NUMBER: P1444558
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL30

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°	121.3	126.7	123.6	129.3	128.1	134.7	134.7	141.3	140.4	145.9	143.8
92.5°	74.0	69.2	64.7	59.7	57.4	54.6	52.9	49.8	47.9	45.1	42.8
95°	92.7	84.7	76.7	68.6	65.9	63.0	60.2	57.5	54.8	52.1	49.3
97.5°	104.7	95.2	85.7	76.2	73.8	71.5	68.8	66.5	64.1	61.8	59.3
100°	142.0	124.2	106.8	88.8	86.8	84.8	82.8	80.8	78.8	76.6	74.6
102.5°	292.1	254.6	217.0	179.4	172.3	165.1	158.0	150.7	143.6	136.4	129.3
105°	550.0	489.1	428.2	367.2	347.8	328.5	309.1	289.7	270.3	251.0	231.6
107.5°	834.5	772.5	710.8	649.0	613.4	577.6	541.8	505.9	470.3	434.3	398.5
110°	994.8	949.7	904.6	859.3	830.9	802.0	773.2	744.3	715.6	686.6	657.8



TEST NUMBER: P1444558
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL30

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1022.6	990.4	958.3	925.8	912.9	899.8	886.9	873.8	860.8	847.5	834.6
115°	961.1	939.6	917.8	895.9	891.7	887.0	882.6	877.9	873.4	868.7	863.9
117.5°	862.4	850.3	838.1	826.0	826.9	827.8	828.8	829.5	830.2	830.7	831.4
120°	759.9	754.9	750.1	745.0	749.3	753.2	757.6	761.3	765.3	768.9	772.8
122.5°	676.5	674.7	673.0	671.0	676.2	681.3	686.2	691.0	695.8	700.2	704.7
125°	612.0	611.2	610.6	609.6	614.9	620.0	625.0	629.7	634.6	639.0	643.5
127.5°	569.6	569.7	569.9	569.8	573.9	577.3	581.2	584.4	588.0	590.9	594.1
130°	541.0	540.7	540.8	540.5	544.0	547.4	550.9	553.8	557.1	559.7	562.3
132.5°	523.7	523.3	523.1	522.7	525.5	528.0	530.7	532.6	534.8	536.5	538.3
135°	509.7	509.1	508.8	508.1	510.7	513.1	515.5	517.4	519.6	521.1	522.7
137.5°	498.5	497.9	497.4	496.7	499.2	501.3	503.4	505.2	507.0	508.6	509.9
140°	489.2	488.2	487.7	486.7	488.8	490.6	492.7	494.2	496.0	497.0	498.4
142.5°	480.2	478.6	477.8	476.2	477.8	479.2	480.6	481.8	483.1	483.9	484.7
145°	475.0	473.2	471.8	470.2	471.3	472.4	473.6	474.7	475.3	475.9	476.7
147.5°	470.5	468.6	467.0	465.2	466.5	467.2	467.8	468.3	469.3	469.7	470.0
150°	465.9	463.9	462.0	460.1	460.9	461.4	461.8	462.6	463.1	463.4	463.7
152.5°	460.1	458.2	456.5	454.5	454.9	455.3	455.6	455.9	456.3	456.5	456.6
155°	457.7	456.0	454.4	452.5	453.1	453.3	453.4	453.6	453.7	453.8	453.7
157.5°	458.6	456.9	456.0	454.4	454.4	454.5	454.5	454.0	453.9	453.6	453.3
160°	460.0	458.6	457.6	456.4	456.2	456.1	456.1	455.6	455.4	454.9	454.7
162.5°	462.0	460.8	459.3	458.0	457.8	457.8	457.7	457.2	457.0	456.5	456.2
165°	465.6	464.6	463.7	462.4	462.2	461.9	461.7	461.1	460.8	460.1	459.6
167.5°	469.5	468.6	467.5	466.3	466.3	466.3	466.2	465.9	465.6	465.1	465.0
170°	473.5	472.6	471.9	470.9	470.6	470.5	470.1	469.8	469.3	468.9	468.4
172.5°	476.5	475.7	474.8	473.8	473.8	473.6	473.3	473.1	472.6	472.3	472.1
175°	476.3	475.7	474.8	474.2	474.1	474.0	473.8	473.6	473.3	473.1	472.8
177.5°	478.5	478.2	477.4	477.1	477.0	477.0	476.8	476.6	476.6	476.5	476.3
180°	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7



TEST NUMBER: P1444558
 CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL30

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°	149.0	146.0
92.5°	40.7	38.7
95°	46.5	43.8
97.5°	57.0	54.6
100°	72.6	70.6
102.5°	122.2	115.1
105°	212.3	193.0
107.5°	362.7	327.0
110°	628.9	600.1



TEST NUMBER: P1444558
CATALOG NUMBER: EHBR1-54-UNV-TA-L835-UPL30

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	821.3	808.1
115°	858.9	854.1
117.5°	831.7	832.2
120°	776.0	779.7
122.5°	708.8	713.0
125°	647.6	651.8
127.5°	596.7	599.2
130°	564.2	566.6
132.5°	539.6	540.8
135°	523.7	524.8
137.5°	510.7	511.6
140°	498.9	499.6
142.5°	485.2	485.7
145°	477.0	477.2
147.5°	469.7	469.9
150°	463.6	463.6
152.5°	456.3	456.4
155°	453.4	453.3
157.5°	452.7	452.3
160°	454.0	453.7
162.5°	455.5	455.2
165°	458.7	458.0
167.5°	464.4	464.3
170°	467.9	467.6
172.5°	471.6	471.2
175°	472.6	472.4
177.5°	476.3	475.9
180°	478.7	478.7

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

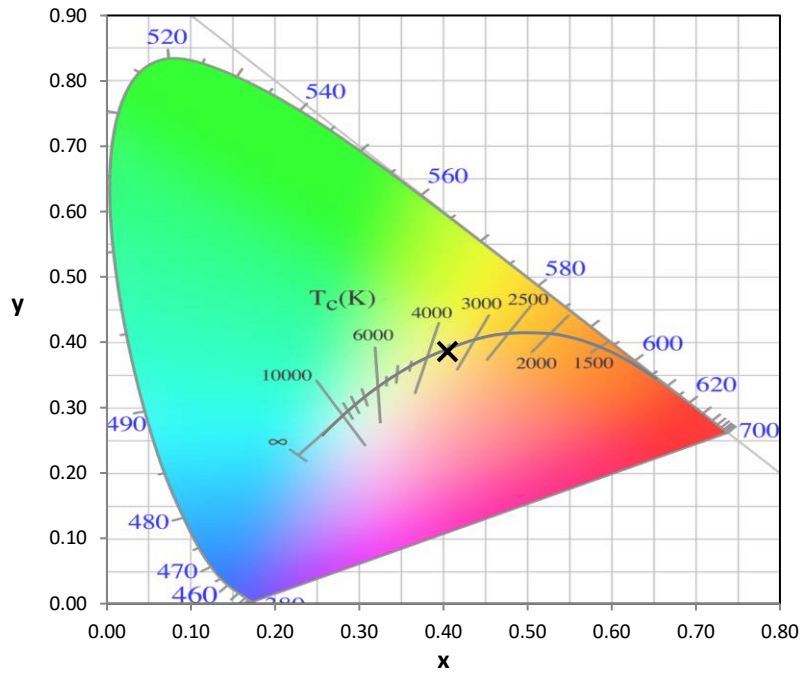
Stabilization Time: 39M
 Operation Time: 1H 39M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-3

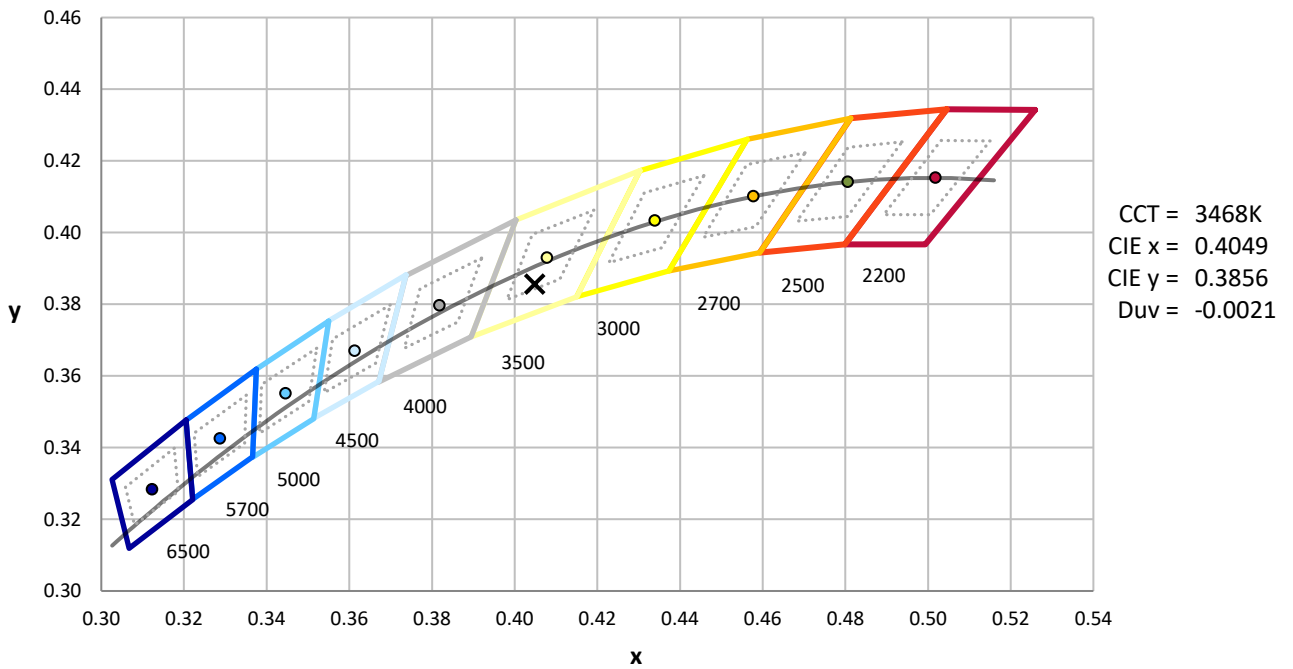
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208	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 [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	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

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	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

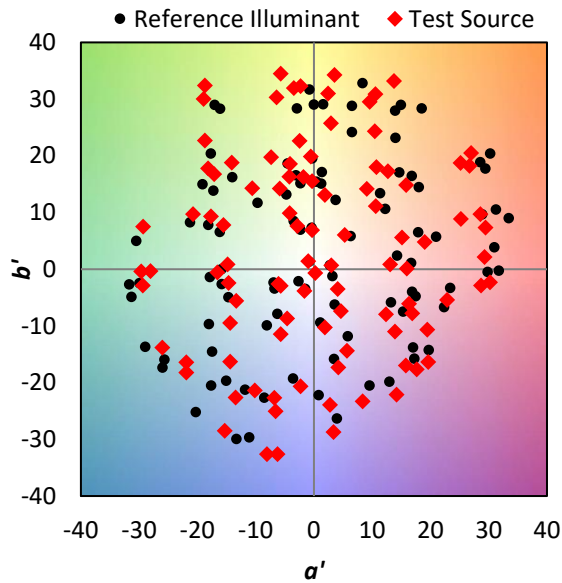
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	60	NR	620	327	NR	750	7	NR	880	0	NR
365	0	NR	495	82	NR	625	322	NR	755	6	NR	885	0	NR
370	0	NR	500	114	NR	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

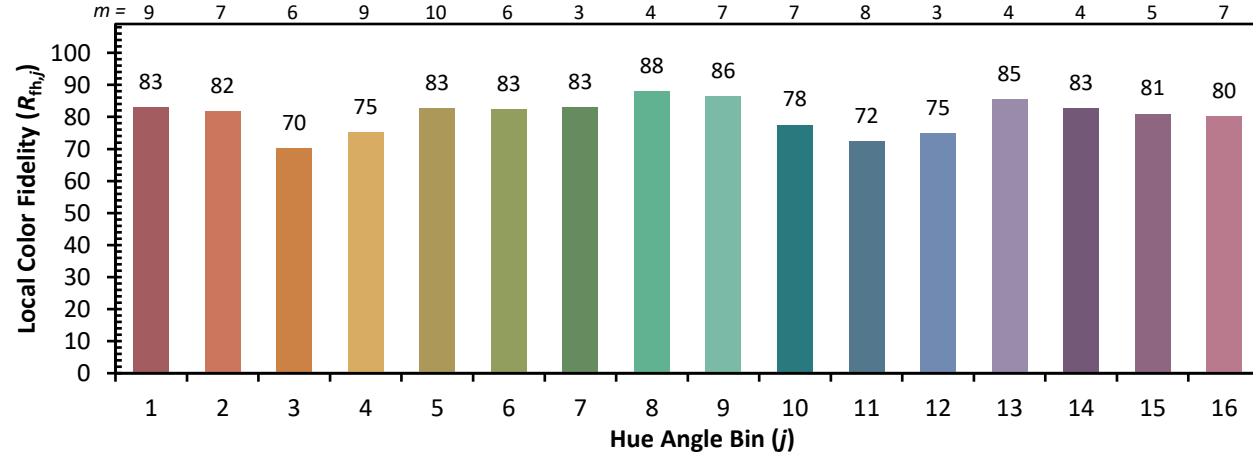


Individual Sample Fidelity Index ($R_{f,i}$)

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)