

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: P1444702

Luminaire Tested: EHBR1-54-UNV-TA-L930-UPL30

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444702
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-L930-UPL30
Description: Elevate Round Highbay at, 54000 lumens, 3000K 90CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

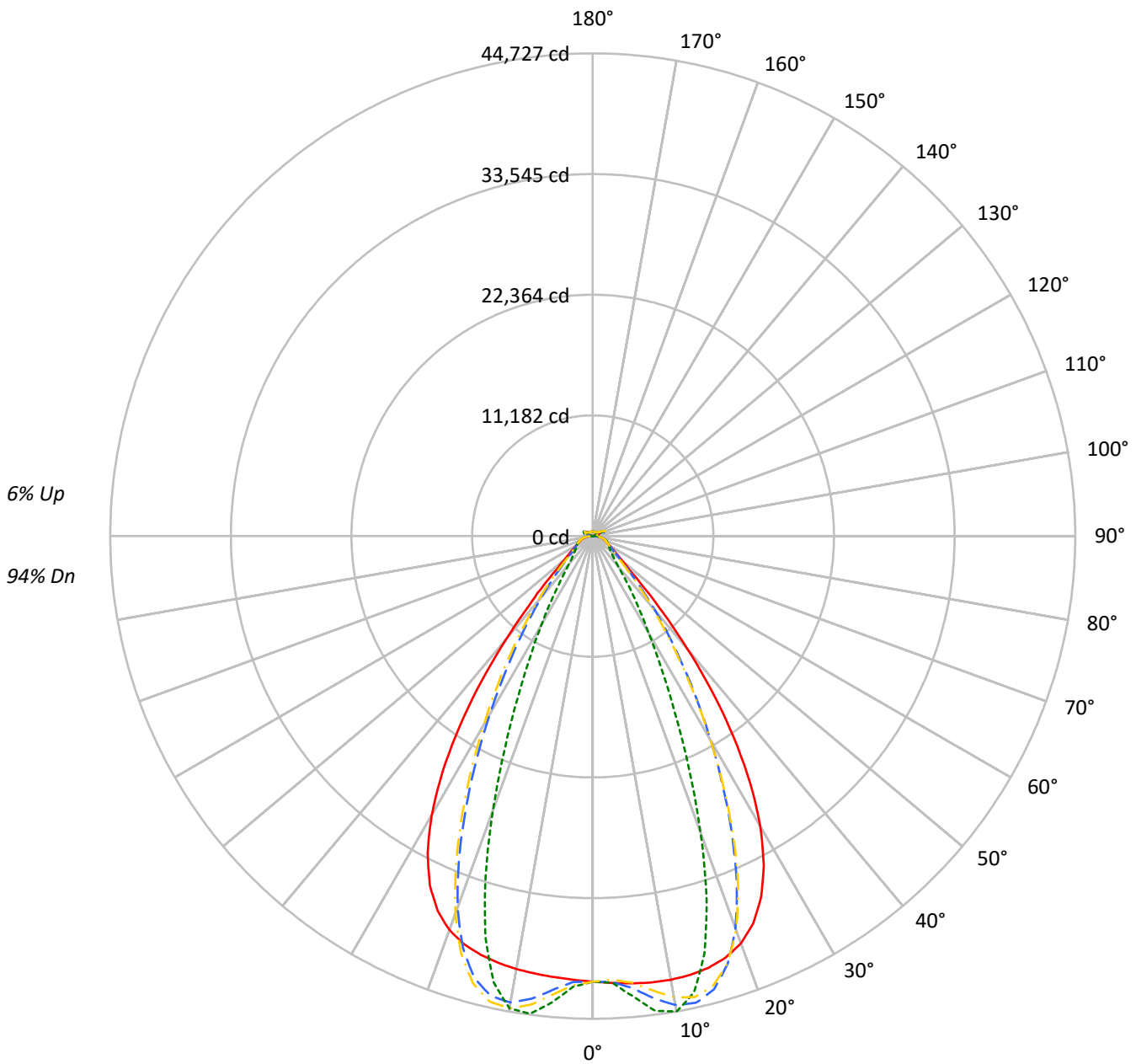
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 50517.8 lumens
Efficiency: N/A
Efficacy: 158.9 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: P1444702
CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL30

Luminous Intensity Polar Plot



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



TEST NUMBER: P1444702
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL30

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°	193886	193886	193886	193886
5°	194825	200506	192098	203132
10°	196451	210516	191740	209123
15°	197415	190831	191405	183147
20°	195374	142162	188979	131534
25°	184929	89910	178817	81577
30°	161549	54029	155292	49377
35°	124329	33903	117178	30032
40°	78649	21267	71958	19984
45°	40538	16568	39866	16296
50°	23767	14737	23038	14507
55°	18208	13943	17534	13817
60°	15406	14243	14751	14058
65°	14471	14874	13917	14366
70°	14138	15575	13432	14988
75°	15116	16517	14299	15787
80°	15642	18290	14183	16696
85°	14731	17646	11903	15112

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 62037 cd/sqm



TEST NUMBER: P1444702
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL30

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4068.9	8.1
10°-20°	11446.2	22.7
20°-30°	13036.3	25.8
30°-40°	9369.9	18.5
40°-50°	4321.4	8.6
50°-60°	2068.0	4.1
60°-70°	1508.9	3.0
70°-80°	1146.3	2.3
80°-90°	526.2	1.0
90°-100°	88.4	0.2
100°-110°	486.0	1.0
110°-120°	897.4	1.8
120°-130°	554.8	1.1
130°-140°	364.3	0.7
140°-150°	276.3	0.5
150°-160°	196.4	0.4
160°-170°	120.4	0.2
170°-180°	41.6	0.1
0°-30°	28551.5	56.5
0°-40°	37921.4	75.1
0°-60°	44310.8	87.7
0°-90°	47492.2	94.0
90°-120°	1471.8	2.9
90°-150°	2667.2	5.3
90°-180°	3026.0	6.0
0°-180°	50517.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	41287	41287	41287	41287	41287	
5°	41598	42811	41016	43372	41598	3975
15°	41417	40035	40156	38423	41417	11669
25°	36930	17955	35710	16291	36930	16741
35°	22819	6222	21506	5512	22819	14005
45°	6559	2681	6450	2637	6559	5578
55°	2461	1884	2370	1867	2461	2271
65°	1510	1552	1453	1500	1510	1509
75°	1065	1164	1007	1112	1065	1107
85°	506	606	409	519	506	476
90°	134	171	37	46	134	84
95°	40	45	40	45	40	38
105°	177	227	120	227	177	234
115°	785	947	822	947	785	726
125°	599	619	677	621	599	545
135°	482	420	518	424	482	376
145°	439	418	465	425	439	277
155°	417	414	442	419	417	194
165°	421	418	436	422	421	120
175°	434	438	442	439	434	41
180°	440	440	440	440	440	



TEST NUMBER: P1444702
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL30

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41444.4	41441.0	41440.5	41437.5	41436.7	41436.7	41435.4	41432.0	41429.9	41425.1	41419.8
5°	41598.2	41596.3	41597.4	41597.8	41594.8	41588.4	41578.3	41565.9	41550.3	41535.6	41522.5
7.5°	41717.1	41720.0	41723.7	41722.9	41713.9	41698.7	41678.0	41666.5	41673.3	41695.8	41747.2
10°	41738.8	41756.6	41763.4	41761.3	41743.3	41730.3	41735.3	41779.0	41866.1	41982.3	42141.1
12.5°	41654.2	41675.9	41675.1	41668.0	41650.5	41668.2	41731.6	41861.8	42048.5	42277.6	42546.3
15°	41416.6	41444.7	41436.7	41427.5	41415.8	41474.1	41600.6	41826.8	42115.1	42438.1	42768.7
17.5°	40955.2	40989.2	40972.7	40962.1	40952.3	41061.6	41279.0	41610.1	41973.2	42338.6	42652.0
20°	40155.0	40177.7	40138.4	40119.9	40135.6	40349.6	40669.8	41092.7	41475.5	41821.0	42035.2
22.5°	38849.0	38877.3	38803.4	38794.9	38886.0	39214.8	39620.1	40092.8	40452.5	40726.3	40808.8
25°	36930.2	36958.0	36870.3	36922.8	37077.9	37525.7	38008.3	38514.1	38820.9	39023.7	38967.7
27.5°	34340.3	34365.7	34282.5	34389.6	34634.8	35223.3	35791.4	36339.9	36613.3	36755.5	36575.4
30°	31073.9	31126.7	31028.3	31177.8	31552.2	32316.3	32967.0	33582.1	33854.8	33963.0	33682.7
32.5°	27194.5	27269.6	27161.1	27383.6	27905.9	28823.7	29562.9	30250.3	30551.8	30675.3	30358.7
35°	22818.9	22926.6	22802.2	23136.0	23780.4	24802.4	25621.0	26388.3	26745.5	26920.5	26601.5
37.5°	18183.2	18285.8	18218.5	18663.9	19371.5	20430.8	21266.4	22094.2	22497.5	22760.2	22508.8
40°	13631.9	13725.9	13776.8	14286.2	14951.7	15950.1	16752.6	17571.8	18022.9	18352.7	18197.6
42.5°	9621.5	9716.2	9889.4	10380.9	10935.9	11762.3	12449.7	13185.1	13616.2	13968.0	13908.1
45°	6558.8	6668.8	6885.7	7288.2	7689.6	8282.4	8787.3	9359.2	9711.3	10033.5	10037.3
47.5°	4596.1	4673.3	4867.2	5142.1	5403.7	6145.9	6176.4	6457.5	6694.1	6935.0	6966.2
50°	3542.1	3588.6	3691.5	3844.6	3992.8	4185.5	4361.9	4565.6	4711.3	4843.3	4874.9
52.5°	2911.4	2940.9	2993.2	3076.2	3162.2	3267.0	3361.4	3473.2	3552.5	3623.2	3638.1
55°	2460.6	2485.1	2563.0	2578.7	2677.2	2696.1	2738.0	2806.1	2852.2	2894.5	2905.1
57.5°	2120.5	2138.2	2154.8	2190.1	2220.4	2264.5	2299.9	2348.8	2377.8	2408.4	2411.1
60°	1852.1	1864.9	1876.7	1901.2	1921.8	1952.5	1976.9	2010.1	2030.9	2053.9	2056.5
62.5°	1652.4	1661.5	1669.4	1685.6	1700.3	1723.8	1743.2	1771.0	1790.4	1808.1	1812.1
65°	1510.4	1517.2	1522.2	1534.5	1547.3	1567.3	1584.9	1607.5	1621.8	1635.4	1638.3
67.5°	1384.7	1391.1	1396.2	1407.4	1416.3	1431.3	1443.1	1460.0	1470.7	1481.6	1482.0
70°	1240.5	1246.4	1250.4	1260.9	1268.0	1280.8	1290.4	1305.7	1316.7	1328.8	1331.8
72.5°	1140.7	1144.2	1149.6	1159.1	1169.0	1182.8	1195.5	1211.4	1224.7	1237.3	1242.6
75°	1064.8	1068.9	1072.5	1080.6	1087.5	1099.1	1108.6	1123.1	1134.8	1148.2	1154.8
77.5°	955.3	960.0	963.1	971.2	977.1	988.3	995.3	1008.3	1017.9	1030.1	1036.0
80°	822.9	827.3	829.5	837.1	841.9	852.1	859.1	871.5	879.6	891.8	899.0
82.5°	676.2	680.5	681.6	688.9	691.4	699.9	704.9	717.8	727.6	743.5	754.5
85°	506.3	507.9	510.3	508.5	518.7	519.4	530.9	533.1	548.4	552.4	569.8
87.5°	309.6	314.1	316.4	323.5	326.5	333.6	335.7	343.2	347.4	355.9	359.9
90°	134.2	141.5	144.1	152.6	155.0	162.7	164.7	173.1	175.7	184.6	188.3
92.5°	35.6	37.7	39.8	42.4	44.6	47.7	50.3	52.8	55.2	58.1	62.6
95°	40.3	42.8	45.3	47.9	50.3	52.8	55.3	57.9	60.4	62.9	70.1
97.5°	50.2	52.4	54.5	56.8	58.9	61.1	63.3	65.5	67.6	69.8	78.5
100°	64.9	66.7	68.5	70.4	72.3	74.1	75.9	77.8	79.6	81.5	97.7
102.5°	105.8	112.3	118.9	125.4	132.0	138.3	145.1	151.4	158.0	164.5	198.8
105°	177.3	195.0	212.9	230.5	248.3	266.1	283.8	301.3	319.0	336.8	392.8
107.5°	300.5	333.2	366.1	399.0	431.8	464.6	497.5	530.2	562.9	595.5	652.4
110°	551.5	577.6	604.2	630.6	656.9	683.4	709.8	735.8	762.4	788.6	830.0



TEST NUMBER: P1444702
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL30

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	742.7	754.5	766.4	778.4	790.3	801.9	813.8	825.6	837.5	849.2	878.7
115°	785.0	789.0	793.3	797.2	801.4	805.3	809.3	813.3	817.4	821.1	841.1
117.5°	764.9	763.9	763.1	762.3	761.2	760.2	759.3	758.2	757.1	756.0	767.1
120°	716.6	712.6	709.0	704.9	701.1	697.0	693.2	689.0	684.9	680.7	685.4
122.5°	655.3	650.6	646.3	641.4	636.7	631.7	627.2	621.8	617.2	612.3	613.6
125°	599.0	594.2	589.9	585.0	580.0	575.1	570.2	565.1	560.1	554.9	555.4
127.5°	550.7	547.4	544.1	540.3	536.7	533.0	529.2	525.2	521.7	517.5	517.3
130°	520.8	517.8	514.6	511.2	508.0	504.4	500.8	497.2	493.7	489.9	489.8
132.5°	497.0	494.8	492.5	489.9	487.4	484.4	481.8	478.6	476.0	473.0	473.0
135°	482.3	480.1	478.1	475.7	473.3	470.3	467.6	464.7	462.1	459.0	459.3
137.5°	470.2	468.3	466.3	463.8	461.6	458.8	456.4	453.5	450.9	448.2	448.2
140°	459.2	457.4	455.6	453.2	451.2	448.9	446.4	443.8	441.2	438.6	439.1
142.5°	446.4	444.7	443.3	441.4	439.7	437.5	435.4	433.0	431.0	428.6	429.4
145°	438.6	437.3	436.1	434.5	432.7	430.8	429.0	426.8	425.1	423.0	423.8
147.5°	431.8	430.7	429.8	428.4	427.1	425.3	423.6	421.9	420.3	418.6	419.5
150°	426.1	425.1	424.1	422.9	421.5	419.9	418.4	416.9	415.3	413.6	414.6
152.5°	419.5	418.3	417.5	416.3	415.0	413.3	412.2	410.5	409.1	407.5	408.3
155°	416.6	415.4	414.4	413.3	412.1	410.6	409.2	407.9	406.6	405.0	405.6
157.5°	415.7	414.6	413.8	412.6	411.8	410.6	409.6	408.3	407.3	406.1	406.4
160°	417.0	416.0	415.1	413.9	412.9	411.7	410.8	409.6	408.8	407.5	407.7
162.5°	418.4	417.3	416.3	415.3	414.3	413.1	412.2	411.3	410.3	409.0	409.5
165°	421.0	420.4	419.6	418.8	418.1	417.3	416.6	415.6	414.9	413.9	414.2
167.5°	426.7	425.7	425.1	424.2	423.2	422.5	421.6	420.6	420.0	418.9	419.1
170°	429.8	429.0	428.5	428.1	427.5	426.9	426.4	425.8	425.2	424.5	424.8
172.5°	433.1	432.5	432.2	431.9	431.3	431.0	430.5	430.1	429.8	429.2	429.7
175°	434.2	433.7	433.6	433.3	433.0	432.6	432.6	432.2	432.2	431.8	432.0
177.5°	437.4	437.3	437.3	437.1	437.1	436.9	436.7	436.5	436.3	436.3	436.6
180°	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0



TEST NUMBER: P1444702
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL30

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41415.8	41410.7	41403.8	41395.1	41387.6	41378.9	41358.2	41352.2	41359.0	41363.7	41373.1
5°	41514.2	41517.1	41518.2	41537.0	41553.2	41593.7	41911.4	42037.6	42135.3	42197.2	42291.3
7.5°	41810.9	41906.4	42000.7	42127.8	42237.3	42385.3	42941.1	43177.6	43345.7	43466.7	43615.4
10°	42313.7	42522.0	42717.5	42946.4	43143.2	43368.5	43885.8	44116.3	44261.8	44367.7	44466.6
12.5°	42820.1	43109.2	43370.4	43625.2	43838.2	44033.5	44215.5	44296.1	44303.0	44306.4	44253.9
15°	43083.9	43360.3	43590.4	43758.9	43884.1	43939.4	43626.3	43461.9	43254.2	43083.2	42801.8
17.5°	42917.4	43083.2	43182.6	43172.8	43121.2	42947.9	42060.7	41572.8	41088.4	40651.8	40079.3
20°	42177.4	42164.6	42078.2	41833.2	41538.0	41079.0	39558.0	38680.5	37832.1	37086.9	36182.9
22.5°	40800.4	40583.7	40281.6	39753.5	39166.6	38364.7	36185.1	34894.3	33713.1	32669.7	31500.9
25°	38805.2	38359.5	37802.4	36963.8	36051.9	34882.3	32195.8	30590.2	29172.2	27942.2	26593.6
27.5°	36251.9	35580.5	34764.0	33603.4	32368.0	30869.5	27891.1	26119.2	24596.9	23278.3	21842.8
30°	33229.0	32355.8	31301.4	29861.0	28370.8	26671.3	23650.5	21855.8	20314.9	18958.4	17521.8
32.5°	29812.8	28790.0	27554.6	25937.9	24326.3	22579.0	19661.6	17924.5	16452.5	15147.4	13847.2
35°	26045.0	24948.2	23641.1	21992.2	20390.2	18691.4	16014.5	14448.1	13148.3	11994.7	10944.9
37.5°	22003.3	20926.4	19684.1	18130.0	16644.5	15105.0	12795.2	11482.7	10391.9	9434.5	8623.8
40°	17801.1	16858.7	15783.8	14440.2	13172.5	11890.4	9994.4	8952.5	8091.6	7361.4	6754.0
42.5°	13650.3	12920.0	12095.7	11033.9	10063.8	9087.6	7628.3	6856.3	6218.7	5693.1	5263.7
45°	9903.8	9415.2	8862.4	8124.2	7453.0	6772.0	5733.4	5191.0	4775.7	4436.8	4150.2
47.5°	6923.3	6639.9	6622.6	5940.4	5448.2	5031.8	4362.8	4020.1	3765.7	3560.3	3378.8
50°	4862.0	4724.9	4554.6	4311.2	4082.7	3847.4	3439.7	3232.5	3083.5	2959.1	2844.3
52.5°	3634.7	3563.5	3472.8	3343.6	3219.9	3087.5	2829.5	2697.7	2650.8	2534.9	2444.0
55°	2903.2	2862.3	2810.7	2734.8	2659.5	2629.4	2408.3	2310.4	2248.3	2202.6	2153.8
57.5°	2411.5	2381.0	2350.5	2299.1	2255.4	2202.6	2085.3	2035.1	1998.2	1971.3	1937.4
60°	2056.9	2038.7	2021.6	1991.4	1967.9	1939.5	1864.9	1836.6	1817.3	1801.1	1779.5
62.5°	1815.5	1806.2	1797.2	1781.2	1769.3	1753.9	1702.9	1689.2	1679.6	1671.5	1658.3
65°	1641.2	1634.5	1629.6	1618.8	1612.9	1603.9	1560.1	1550.9	1545.0	1542.0	1534.5
67.5°	1482.9	1475.8	1472.6	1464.9	1462.5	1456.8	1421.0	1416.0	1414.0	1415.0	1412.2
70°	1334.7	1331.8	1333.3	1332.2	1335.5	1336.5	1314.9	1314.7	1317.0	1321.6	1322.0
72.5°	1246.0	1246.0	1247.7	1248.4	1251.6	1253.2	1235.1	1234.2	1235.3	1238.7	1238.8
75°	1161.5	1162.9	1167.5	1169.0	1172.8	1173.6	1149.7	1147.0	1147.2	1150.4	1149.3
77.5°	1044.6	1049.7	1058.4	1063.0	1070.3	1071.7	1044.9	1041.7	1041.8	1045.0	1042.4
80°	912.0	921.6	935.5	945.1	956.5	961.1	933.6	927.0	920.8	919.9	914.4
82.5°	771.0	782.8	799.5	808.2	820.3	823.1	777.0	768.3	763.1	763.5	758.4
85°	588.6	597.5	612.7	617.6	625.0	624.4	571.8	549.3	555.3	545.9	553.3
87.5°	369.2	374.5	383.9	385.2	388.6	387.9	335.0	324.6	321.5	321.6	317.8
90°	197.8	202.4	211.6	212.7	219.2	219.5	177.6	173.7	169.1	170.3	164.1
92.5°	67.5	71.9	76.8	81.3	86.1	90.8	90.5	93.7	89.5	84.4	80.4
95°	77.5	84.8	92.2	99.6	107.0	114.3	121.7	129.1	122.3	115.3	108.5
97.5°	87.2	96.0	104.5	113.2	121.9	130.6	139.4	148.1	140.7	133.0	125.6
100°	113.9	130.2	146.3	162.5	178.7	195.0	211.2	227.5	213.2	198.7	184.5
102.5°	233.2	267.7	302.2	336.6	371.0	405.5	440.2	474.8	441.9	408.9	376.1
105°	448.7	504.5	560.3	616.0	671.9	727.7	784.0	840.0	787.5	734.9	682.4
107.5°	708.9	765.8	822.1	878.7	935.3	992.0	1049.3	1106.0	1054.8	1003.2	952.1
110°	871.3	912.4	953.8	994.9	1036.0	1077.3	1119.5	1160.9	1130.0	1099.0	1068.2



TEST NUMBER: P1444702
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL30

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	907.9	937.5	966.9	996.2	1025.4	1054.8	1085.6	1115.3	1099.7	1083.7	1068.4
115°	860.7	880.5	900.1	919.8	939.5	959.0	980.4	1000.6	995.2	990.0	984.9
117.5°	777.9	788.7	799.7	810.4	821.1	831.9	845.0	856.1	856.6	857.1	857.7
120°	689.7	694.1	698.4	702.8	706.9	711.2	718.2	723.0	726.8	730.4	734.2
122.5°	615.2	616.6	617.9	619.3	620.6	621.8	626.3	628.3	630.6	633.1	635.5
125°	555.9	556.3	556.8	557.1	557.3	557.8	561.7	562.6	562.3	562.0	561.8
127.5°	517.0	516.8	516.4	516.1	515.5	515.3	518.6	518.9	516.7	514.5	512.0
130°	489.7	489.7	489.4	489.4	489.4	489.3	493.1	494.0	490.4	486.5	482.9
132.5°	472.9	473.1	472.8	473.1	473.1	473.0	477.3	478.4	474.4	470.0	466.0
135°	459.3	459.6	459.7	459.8	460.0	460.5	465.2	466.3	462.6	458.4	454.6
137.5°	448.2	448.5	448.7	449.1	449.2	449.6	454.8	456.3	453.1	449.7	446.5
140°	439.3	439.6	440.0	440.7	441.0	441.6	447.4	449.0	446.6	443.9	441.1
142.5°	429.9	430.9	431.7	432.7	433.5	434.7	441.3	443.4	441.6	439.2	437.4
145°	424.6	425.9	426.9	428.1	429.3	430.6	438.1	440.7	439.3	437.8	436.4
147.5°	420.0	421.1	422.0	423.1	424.3	425.9	433.6	436.3	435.5	434.4	433.5
150°	415.3	416.4	417.3	418.6	419.9	421.3	430.2	433.4	432.6	431.8	430.8
152.5°	409.0	410.0	411.0	412.0	413.0	414.5	425.2	428.5	427.9	426.9	426.3
155°	406.2	406.8	407.4	408.3	409.0	410.3	421.9	425.3	424.8	424.3	423.7
157.5°	406.6	407.0	407.2	407.7	408.2	408.9	421.1	424.7	424.1	423.6	423.2
160°	407.8	408.1	408.1	408.5	408.7	409.2	421.8	425.1	424.7	424.2	423.6
162.5°	409.7	410.4	410.6	411.1	411.5	412.2	424.8	428.6	427.8	427.2	426.6
165°	414.3	414.3	414.5	414.8	414.9	415.3	427.2	430.2	430.0	429.4	428.9
167.5°	419.2	419.5	419.6	420.0	420.3	420.8	431.9	434.9	434.6	434.0	433.6
170°	424.8	425.3	425.3	425.6	426.0	426.5	435.7	438.3	437.9	437.1	436.7
172.5°	429.9	430.4	430.8	431.1	431.5	432.0	439.9	442.3	441.9	441.4	440.8
175°	432.3	432.5	432.9	433.4	433.7	434.1	440.2	442.0	441.8	441.5	441.2
177.5°	436.9	437.0	437.4	437.7	438.1	438.4	442.1	443.2	443.1	443.1	442.9
180°	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0



TEST NUMBER: P1444702
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL30

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41375.2	41389.8	41391.9	41408.9	41407.5	41427.7	41424.5	41441.0	41431.4	41445.0	41433.5
5°	42347.0	42435.2	42481.2	42567.2	42594.5	42671.4	42693.1	42763.4	42766.3	42822.0	42809.3
7.5°	43720.9	43850.8	43928.0	44034.3	44088.1	44176.8	44215.7	44281.2	44302.4	44354.4	44358.4
10°	44541.4	44604.5	44648.5	44678.2	44705.2	44718.0	44732.8	44728.9	44732.8	44727.0	44739.7
12.5°	44218.7	44126.5	44065.7	43950.3	43883.4	43756.0	43693.4	43570.8	43526.3	43421.0	43405.9
15°	42584.3	42263.3	42036.6	41706.7	41499.4	41174.8	40984.9	40692.2	40558.4	40325.7	40264.7
17.5°	39605.5	39009.6	38548.5	37956.9	37546.4	36993.6	36645.9	36188.3	35937.6	35568.6	35440.8
20°	35429.3	34547.6	33855.9	33031.9	32442.2	31707.4	31237.0	30643.8	30299.4	29846.1	29662.4
22.5°	30526.3	29428.6	28564.7	27591.2	26879.7	26060.9	25497.4	24855.5	24480.8	23988.3	23770.3
25°	25472.8	24262.2	23301.8	22276.2	21524.4	20703.6	20139.9	19509.4	19121.6	18654.1	18437.5
27.5°	20639.5	19414.2	18486.0	17532.5	16842.8	16102.2	15593.6	15043.1	14698.9	14299.8	14096.0
30°	16374.2	15293.6	14503.6	13712.3	13138.6	12537.2	12114.5	11658.2	11356.3	11014.7	10820.5
32.5°	12899.3	12065.0	11446.5	10818.5	10349.1	9846.4	9481.2	9078.6	8806.1	8500.9	8325.1
35°	10216.1	9567.8	9074.5	8557.6	8154.2	7726.1	7404.3	7056.8	6812.3	6549.6	6397.8
37.5°	8071.8	7556.2	7150.3	6721.0	6389.6	6035.0	5915.5	5516.8	5263.3	5053.7	4908.5
40°	6334.8	5924.8	5589.0	5260.6	4990.4	4721.3	4505.5	4292.4	4128.9	3978.9	3875.2
42.5°	4946.9	4650.0	4404.6	4164.1	3967.0	3771.0	3614.6	3467.9	3357.7	3259.6	3192.8
45°	3932.6	3728.3	3557.9	3388.5	3249.4	3118.5	3013.3	2919.6	2848.5	2789.6	2747.8
47.5°	3230.7	3090.8	2970.6	2856.3	2761.9	2676.2	2605.7	2582.7	2506.2	2454.6	2435.0
50°	2745.7	2661.2	2569.9	2485.6	2422.5	2359.7	2314.0	2269.2	2240.6	2216.9	2209.7
52.5°	2383.6	2319.1	2268.3	2214.8	2173.2	2128.6	2097.0	2067.2	2051.5	2039.0	2037.5
55°	2114.5	2069.3	2035.7	1999.9	1974.9	1948.7	1932.4	1916.7	1909.8	1903.5	1903.9
57.5°	1910.9	1880.7	1858.8	1835.6	1822.1	1809.5	1805.4	1801.4	1803.6	1804.5	1808.0
60°	1762.4	1742.8	1729.1	1715.7	1710.1	1706.1	1709.1	1712.7	1719.9	1725.7	1730.9
62.5°	1648.7	1637.6	1630.8	1623.7	1623.0	1623.3	1629.4	1635.4	1644.4	1651.2	1656.2
65°	1531.7	1525.3	1523.1	1518.5	1520.8	1522.2	1529.6	1534.1	1543.1	1548.5	1554.9
67.5°	1413.3	1411.8	1413.3	1413.3	1417.4	1420.9	1428.0	1433.1	1440.8	1445.7	1450.9
70°	1326.0	1326.6	1329.8	1330.5	1334.9	1337.3	1343.5	1346.8	1353.7	1357.8	1364.2
72.5°	1241.1	1239.8	1240.5	1238.5	1240.0	1239.4	1242.8	1244.5	1250.3	1253.5	1261.1
75°	1150.6	1146.8	1145.9	1141.8	1141.9	1139.1	1140.4	1140.2	1144.0	1145.6	1151.1
77.5°	1041.4	1035.0	1031.9	1025.1	1024.9	1022.3	1025.1	1026.7	1033.5	1036.7	1042.9
80°	910.7	900.7	896.0	888.1	889.4	889.0	895.8	900.8	909.1	910.6	918.5
82.5°	756.9	746.7	741.8	734.0	735.8	736.0	742.1	743.2	750.3	753.5	762.6
85°	542.0	545.9	535.1	535.8	533.5	537.8	542.0	547.2	553.1	563.1	570.8
87.5°	319.2	317.8	321.6	322.1	327.6	330.5	339.3	344.4	354.4	362.2	376.2
90°	163.4	157.5	159.5	156.9	161.3	158.9	163.0	159.8	164.9	164.8	171.7
92.5°	75.0	70.8	65.6	61.3	56.2	52.1	49.4	47.7	45.0	43.4	40.6
95°	101.6	94.6	87.8	80.9	74.1	67.2	64.7	62.2	59.6	57.1	54.6
97.5°	118.2	110.9	103.5	96.0	88.6	81.2	79.5	77.8	76.2	74.5	72.8
100°	170.0	155.8	141.5	127.1	112.8	98.6	97.2	95.9	94.5	93.2	91.8
102.5°	343.4	310.5	277.8	245.0	212.3	179.4	173.7	168.0	162.3	156.6	150.9
105°	629.9	577.3	524.9	472.4	420.0	367.5	351.9	336.0	320.5	304.9	289.2
107.5°	900.8	849.4	798.3	747.2	696.0	644.8	620.0	595.3	570.4	545.7	521.0
110°	1037.0	1006.2	975.5	944.4	913.9	883.1	859.2	835.8	812.0	788.4	764.9



TEST NUMBER: P1444702
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL30

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	1052.6	1037.1	1021.3	1005.9	990.5	975.0	963.4	951.8	940.3	928.7	917.0
115°	979.5	974.4	969.2	964.3	959.3	954.1	953.2	952.4	951.2	950.4	949.6
117.5°	858.2	858.7	859.1	859.9	860.6	861.3	867.3	873.0	879.1	885.3	891.5
120°	737.9	741.5	745.2	749.2	752.9	756.8	764.6	772.7	780.6	789.1	797.3
122.5°	637.8	640.2	642.5	645.1	647.6	650.1	657.7	665.7	673.5	681.6	689.9
125°	561.1	560.7	560.3	559.8	559.5	559.4	565.4	571.8	578.3	584.9	591.4
127.5°	509.7	507.1	504.7	502.5	499.9	497.9	501.2	504.8	508.3	512.1	515.8
130°	479.1	475.2	471.2	467.8	463.7	460.1	461.0	462.1	463.2	464.6	465.8
132.5°	461.6	457.3	453.0	448.6	444.2	440.0	439.3	438.7	438.0	437.7	437.5
135°	450.3	446.4	442.0	437.9	433.5	429.7	428.1	426.6	425.2	423.9	422.8
137.5°	443.1	439.8	436.3	433.0	429.4	426.1	423.9	422.4	420.4	419.0	417.3
140°	438.3	435.8	432.7	430.0	427.0	424.4	422.6	421.2	419.5	418.2	416.8
142.5°	435.1	432.9	430.7	428.6	426.3	424.3	422.6	421.2	419.6	418.4	416.9
145°	434.8	433.5	431.8	430.2	428.7	427.2	425.7	424.6	423.4	422.2	421.4
147.5°	432.4	431.3	430.2	429.2	427.9	426.8	425.7	425.2	423.9	423.3	422.4
150°	429.7	428.8	427.7	426.9	425.7	424.8	424.0	423.5	422.7	422.4	421.6
152.5°	425.3	424.5	423.6	422.8	421.7	420.8	420.2	419.7	419.2	418.7	417.9
155°	422.9	422.3	421.6	421.0	420.0	419.5	418.8	418.0	417.4	416.8	416.1
157.5°	422.6	422.0	421.2	420.7	419.8	419.2	418.6	417.9	417.2	416.7	416.0
160°	423.1	422.6	421.9	421.2	420.6	420.0	419.1	418.4	417.5	416.9	416.0
162.5°	425.8	425.1	424.4	423.6	422.7	422.0	421.2	420.7	420.1	419.5	418.7
165°	428.3	427.7	427.0	426.4	426.0	425.3	424.4	423.8	422.8	422.2	421.3
167.5°	433.0	432.6	431.9	431.5	430.8	430.2	429.5	428.7	427.9	427.1	426.2
170°	436.2	435.5	435.0	434.2	433.5	432.7	432.1	431.3	430.5	430.1	429.2
172.5°	440.3	440.0	439.4	439.0	438.2	437.6	437.2	436.6	435.9	435.2	434.9
175°	441.0	440.9	440.8	440.3	440.1	439.8	439.5	439.3	439.1	438.9	438.4
177.5°	442.9	442.7	442.7	442.5	442.3	442.3	441.9	441.7	441.5	441.1	441.0
180°	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0



TEST NUMBER: P1444702
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL30

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41445.5	41434.9	41439.9	41420.5	41425.1	41401.7	41399.6	41373.1	41370.5	41345.6	41336.2
5°	42848.7	42825.7	42851.7	42811.1	42819.1	42766.3	42761.9	42693.6	42670.1	42584.7	42547.8
7.5°	44390.9	44382.3	44398.2	44364.2	44363.1	44316.0	44296.6	44235.3	44197.4	44107.7	44050.5
10°	44728.9	44736.8	44723.8	44727.0	44708.6	44703.6	44684.8	44672.8	44642.1	44618.8	44584.6
12.5°	43325.9	43334.2	43280.8	43314.7	43287.9	43350.5	43345.5	43419.2	43430.6	43523.9	43559.2
15°	40083.4	40073.3	39970.6	40035.3	40000.6	40138.0	40168.7	40353.5	40452.5	40689.8	40835.6
17.5°	35185.1	35158.7	35014.0	35092.8	35052.7	35255.3	35323.2	35618.9	35803.3	36185.7	36458.2
20°	29346.1	29295.5	29126.3	29218.5	29177.1	29407.3	29504.3	29861.6	30099.4	30605.9	30966.2
22.5°	23434.6	23354.5	23188.9	23275.0	23236.0	23474.4	23600.6	23959.1	24231.5	24751.4	25172.1
25°	18126.1	18054.8	17894.6	17954.9	17940.3	18142.0	18254.4	18593.4	18861.1	19356.3	19757.8
27.5°	13825.2	13751.0	13606.3	13649.0	13634.3	13806.1	13911.9	14195.2	14425.5	14842.5	15195.0
30°	10581.2	10491.6	10368.9	10392.5	10382.4	10521.7	10620.5	10859.1	11056.5	11408.8	11712.5
32.5°	8110.4	8020.5	7907.7	7918.8	7903.9	8013.1	8094.6	8302.0	8474.0	8773.6	9038.0
35°	6205.6	6310.7	6069.9	6222.5	6063.6	6296.8	6212.9	6342.6	6490.5	6743.0	6963.5
37.5°	4770.6	4697.4	4635.3	4628.8	4628.5	4682.5	4746.3	4871.1	5001.5	5189.6	5383.9
40°	3780.5	3729.1	3689.0	3686.1	3689.0	3727.4	3774.5	3860.9	3956.3	4091.4	4234.2
42.5°	3135.6	3101.4	3077.3	3075.6	3083.3	3110.4	3143.2	3194.5	3256.6	3344.1	3442.0
45°	2713.9	2694.9	2681.4	2680.6	2684.2	2698.4	2717.2	2749.2	2788.6	2843.2	2905.1
47.5°	2417.9	2413.3	2404.9	2405.2	2401.4	2407.2	2409.4	2427.3	2448.2	2489.4	2570.3
50°	2202.5	2202.5	2196.7	2196.4	2190.9	2190.5	2186.0	2193.0	2202.8	2228.3	2254.2
52.5°	2032.2	2031.5	2025.3	2024.0	2018.3	2017.9	2014.0	2016.7	2018.1	2030.9	2046.4
55°	1899.0	1895.1	1886.8	1884.2	1881.9	1885.3	1883.8	1883.9	1882.2	1887.6	1892.2
57.5°	1803.6	1798.4	1790.6	1788.2	1787.6	1791.6	1791.8	1790.4	1783.3	1778.4	1771.4
60°	1728.0	1722.8	1714.4	1712.2	1713.5	1718.9	1718.7	1714.0	1703.3	1694.0	1683.2
62.5°	1653.8	1651.6	1647.4	1646.7	1645.7	1646.6	1642.7	1637.8	1627.3	1617.3	1605.6
65°	1554.1	1555.2	1552.0	1552.5	1548.6	1548.0	1542.2	1537.5	1526.8	1517.7	1505.7
67.5°	1450.7	1451.5	1448.9	1448.9	1446.9	1447.2	1443.6	1439.3	1430.2	1422.9	1413.5
70°	1365.5	1367.6	1366.1	1366.6	1364.2	1363.2	1357.7	1353.4	1344.1	1338.0	1329.5
72.5°	1263.5	1268.0	1267.8	1269.0	1265.2	1263.5	1256.9	1251.5	1243.1	1238.1	1231.5
75°	1153.2	1159.2	1160.9	1163.5	1158.3	1155.5	1148.3	1144.0	1137.2	1134.3	1129.9
77.5°	1045.7	1052.3	1058.6	1064.4	1055.9	1048.4	1039.4	1032.6	1022.8	1018.9	1012.1
80°	925.0	936.6	950.5	962.2	947.0	931.7	916.9	905.8	892.8	887.5	878.9
82.5°	767.4	779.3	787.2	794.7	784.2	773.1	758.6	749.0	734.9	729.8	719.8
85°	583.0	597.9	602.6	606.5	599.8	593.9	580.4	562.1	553.3	539.4	532.2
87.5°	383.5	392.4	394.0	395.4	391.3	388.4	379.6	371.1	355.9	344.9	331.4
90°	170.0	174.7	169.9	170.7	166.8	168.6	161.1	159.5	148.4	145.0	135.2
92.5°	38.8	36.2	34.0	31.8	34.7	36.3	39.0	40.6	43.3	45.0	47.7
95°	52.1	49.5	47.1	44.6	46.6	48.6	50.6	52.6	54.6	56.6	58.6
97.5°	71.1	69.5	67.8	66.1	67.3	68.4	69.6	70.8	72.0	73.2	74.4
100°	90.5	89.1	87.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
102.5°	145.2	139.5	133.8	128.1	131.9	135.7	139.6	143.5	147.3	151.1	155.2
105°	273.6	258.0	242.4	226.8	241.9	257.0	272.1	287.2	302.3	317.7	332.8
107.5°	496.2	471.6	446.9	422.2	449.9	477.5	504.9	532.5	560.0	587.5	615.2
110°	741.4	717.9	694.5	670.9	700.2	729.3	758.5	787.7	817.1	846.2	875.7



TEST NUMBER: P1444702
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL30

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	905.6	894.2	882.8	871.4	890.2	909.0	927.7	946.8	965.6	984.6	1003.3
115°	948.8	948.1	947.5	946.7	955.7	964.6	973.4	982.5	991.5	1000.4	1009.6
117.5°	897.6	903.8	910.1	916.5	919.4	922.2	925.3	928.1	931.2	934.3	937.4
120°	805.7	813.8	822.3	830.9	829.7	828.6	827.6	826.4	825.6	824.7	824.1
122.5°	698.2	706.4	715.0	723.3	720.8	718.3	715.9	713.6	711.5	709.3	707.3
125°	598.5	605.3	612.3	619.4	616.9	614.4	611.9	609.9	607.7	605.4	603.7
127.5°	520.1	524.3	528.4	532.7	531.6	530.4	529.6	528.6	527.9	527.4	526.9
130°	467.4	469.1	471.1	472.8	473.2	473.6	474.3	474.9	475.9	476.7	477.9
132.5°	437.7	437.6	438.0	438.3	439.6	440.9	442.7	444.3	446.5	448.2	450.8
135°	422.0	421.2	420.5	420.1	422.1	423.9	426.2	428.5	431.3	434.1	437.0
137.5°	416.3	414.9	414.2	413.0	415.1	417.1	419.4	421.8	424.3	427.1	430.2
140°	415.7	414.6	414.0	413.0	415.1	416.9	419.3	421.5	424.2	426.9	429.9
142.5°	416.0	414.7	414.1	413.4	415.0	416.9	419.1	421.2	423.6	426.0	428.6
145°	420.4	419.5	419.0	418.4	419.5	420.9	422.4	424.0	425.9	427.6	429.8
147.5°	421.8	421.2	420.9	420.4	421.3	422.2	423.4	424.4	425.9	427.1	428.8
150°	421.5	420.9	420.6	420.4	421.1	421.5	422.4	422.8	423.8	424.6	426.0
152.5°	417.8	417.1	417.2	417.0	417.3	417.8	418.5	419.0	419.8	420.4	421.7
155°	415.7	415.3	414.8	414.4	414.4	414.5	414.7	414.8	415.3	415.5	415.9
157.5°	415.6	415.1	414.7	414.1	414.0	413.8	413.8	413.7	413.8	413.4	413.6
160°	415.5	414.6	413.9	413.3	413.3	413.0	413.2	413.0	413.1	413.2	413.3
162.5°	418.2	417.6	417.1	416.5	416.3	415.6	415.3	414.7	414.4	414.1	413.9
165°	420.5	419.8	419.1	418.2	418.0	417.8	417.5	417.2	417.1	416.7	416.8
167.5°	425.8	424.8	424.2	423.4	422.9	422.1	421.8	421.2	420.8	420.3	420.1
170°	428.7	427.9	427.5	426.9	426.5	426.1	425.9	425.4	425.3	425.2	425.2
172.5°	434.4	433.7	433.3	432.8	432.5	432.2	432.0	431.8	431.6	431.6	431.4
175°	438.3	438.0	437.8	437.5	437.2	437.0	436.7	436.5	436.4	436.1	435.9
177.5°	440.5	440.2	440.0	439.9	439.7	439.7	439.7	439.7	439.7	439.5	439.4
180°	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0



TEST NUMBER: P1444702
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL30

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41309.5	41298.6	41270.0	41255.9	41229.4	41216.1	41195.5	41182.1	41165.5	41153.1	41146.7
5°	42454.0	42401.2	42295.3	42230.1	42115.9	42040.6	41927.0	41843.8	41726.5	41640.1	41529.3
7.5°	43943.1	43862.1	43726.4	43623.6	43463.7	43341.4	43162.0	43018.4	42820.1	42655.5	42452.9
10°	44549.4	44502.1	44441.2	44375.1	44286.5	44199.5	44077.0	43952.1	43785.7	43620.1	43403.7
12.5°	43653.3	43697.8	43785.7	43826.7	43893.9	43916.7	43947.4	43933.0	43905.8	43838.2	43740.1
15°	41115.6	41301.5	41595.3	41798.4	42083.2	42283.2	42547.8	42718.1	42914.2	43031.4	43142.8
17.5°	36941.1	37300.7	37819.1	38232.6	38787.9	39239.4	39792.5	40227.0	40728.8	41113.8	41523.5
20°	31594.2	32097.8	32813.4	33421.2	34225.7	34908.0	35782.0	36514.2	37368.3	38080.3	38848.7
22.5°	25839.5	26431.8	27251.8	27984.9	28945.6	29803.8	30898.9	31867.0	33021.6	34056.0	35200.3
25°	20410.6	20991.1	21826.4	22585.5	23622.7	24568.0	25764.4	26875.0	28214.9	29464.4	30898.9
27.5°	15755.0	16270.7	17005.0	17688.2	18638.1	19566.1	20780.3	21964.6	23394.4	24737.2	26283.1
30°	12167.3	12585.6	13174.0	13723.6	14486.2	15245.2	16326.7	17422.0	18844.7	20236.2	21821.1
32.5°	9429.3	9786.0	10277.2	10723.3	11310.9	11883.2	12679.6	13554.9	14802.8	16135.7	17668.2
35°	7299.3	7604.4	8022.5	8406.8	8890.1	9344.4	9938.7	10563.4	11515.7	12636.9	14008.4
37.5°	5819.4	5943.8	6242.2	6557.1	6958.5	7331.8	7796.7	8258.5	8939.9	9824.5	10944.9
40°	4425.6	4623.1	4866.0	5114.0	5417.9	5717.4	6227.4	6472.9	6921.6	7556.6	8426.2
42.5°	3570.9	3709.8	3880.7	4053.2	4264.9	4473.5	4731.5	4994.2	5329.6	5759.7	6378.2
45°	2988.2	3078.8	3188.9	3303.9	3442.9	3585.2	3758.0	3938.4	4165.6	4430.0	4805.6
47.5°	2598.9	2649.0	2720.9	2799.3	2894.7	2993.2	3105.5	3220.5	3361.7	3518.6	3732.4
50°	2295.0	2336.8	2392.7	2445.1	2511.0	2611.9	2656.5	2719.9	2804.9	2897.2	3016.8
52.5°	2075.2	2103.0	2138.0	2168.2	2209.8	2247.6	2297.2	2340.9	2399.7	2455.1	2532.4
55°	1903.9	1914.1	1934.0	1953.4	1982.2	2008.0	2042.0	2070.6	2108.1	2141.2	2189.9
57.5°	1771.8	1772.7	1781.8	1791.9	1810.4	1826.7	1850.1	1868.9	1894.9	1916.0	1945.3
60°	1676.7	1671.7	1673.5	1677.0	1687.5	1698.0	1712.9	1725.2	1741.6	1753.5	1769.9
62.5°	1597.6	1589.6	1587.8	1586.9	1592.1	1595.9	1604.1	1610.0	1619.4	1624.5	1633.3
65°	1497.7	1488.4	1484.7	1480.4	1482.0	1480.7	1483.7	1483.9	1488.6	1489.7	1494.8
67.5°	1407.1	1399.3	1394.5	1388.8	1386.2	1382.0	1380.2	1376.2	1375.6	1372.3	1371.5
70°	1324.5	1316.8	1312.8	1307.5	1304.7	1299.2	1295.9	1289.1	1285.2	1278.9	1275.4
72.5°	1228.9	1224.6	1223.4	1219.7	1218.7	1215.7	1214.4	1209.5	1206.8	1201.4	1198.4
75°	1128.9	1125.4	1125.1	1121.4	1121.1	1117.5	1116.5	1111.5	1108.8	1103.5	1101.3
77.5°	1009.9	1004.7	1003.2	998.9	999.9	998.1	999.7	995.8	994.2	988.8	987.1
80°	875.8	869.1	866.4	860.7	862.3	859.6	862.3	861.9	863.9	859.6	858.9
82.5°	717.0	709.7	708.3	704.4	706.9	707.2	712.9	709.8	711.0	707.0	708.7
85°	521.8	516.2	508.6	507.5	502.7	507.7	501.1	505.5	498.3	503.4	496.7
87.5°	323.5	312.2	306.2	298.1	295.0	287.2	284.0	278.3	280.0	277.4	278.9
90°	133.9	125.4	124.9	118.8	119.8	114.6	117.3	114.1	117.4	114.1	117.8
92.5°	49.4	51.5	55.4	59.9	63.6	67.6	71.6	76.0	79.8	84.1	87.8
95°	60.6	62.6	68.0	73.3	78.8	84.1	89.6	94.9	100.3	105.7	111.0
97.5°	75.6	76.7	82.1	87.5	92.9	98.2	103.6	109.3	114.7	120.1	125.5
100°	86.4	86.6	101.9	117.2	132.4	147.8	163.2	178.4	193.9	209.2	224.5
102.5°	159.1	162.9	201.5	240.2	278.7	317.3	356.1	394.9	433.5	472.3	511.1
105°	347.9	363.1	422.0	481.1	539.9	598.9	658.0	717.2	776.2	835.3	894.3
107.5°	642.8	670.5	723.9	777.3	830.4	883.8	937.3	990.7	1044.0	1097.4	1151.2
110°	904.9	934.3	970.0	1005.8	1041.7	1077.5	1113.4	1149.2	1185.3	1221.1	1257.3



TEST NUMBER: P1444702
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL30

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	1022.2	1041.4	1062.1	1083.3	1104.2	1125.2	1146.3	1167.3	1188.6	1209.7	1230.9
115°	1018.8	1028.0	1035.9	1044.5	1052.7	1061.2	1069.5	1078.2	1086.8	1095.4	1103.9
117.5°	940.4	943.9	945.1	946.8	948.3	950.2	951.8	953.8	955.7	957.6	959.2
120°	823.2	822.5	821.5	820.6	819.5	818.7	818.0	817.3	816.6	816.0	815.2
122.5°	705.2	703.4	702.3	701.6	700.9	700.3	699.6	699.3	698.7	698.3	697.7
125°	601.8	600.2	601.8	603.5	605.3	607.1	608.9	611.1	613.0	615.1	617.1
127.5°	526.4	526.3	529.9	533.5	537.4	541.3	545.1	549.1	553.0	557.1	560.8
130°	479.2	480.6	485.0	489.9	494.5	499.4	504.2	509.3	513.9	518.7	523.5
132.5°	452.9	455.6	459.9	464.6	469.1	473.8	478.6	483.4	488.0	492.9	497.3
135°	440.0	443.3	447.4	451.8	456.0	460.5	464.8	469.4	473.4	477.9	482.0
137.5°	433.1	436.4	440.0	443.5	446.9	450.8	454.3	458.0	461.4	465.2	468.6
140°	432.7	436.0	438.1	440.7	442.9	445.2	447.4	449.9	452.0	454.6	456.6
142.5°	431.3	434.4	435.7	437.4	439.0	440.9	442.5	444.2	445.7	447.2	448.6
145°	431.8	434.2	434.6	435.3	435.9	436.7	437.1	437.8	438.2	438.7	439.1
147.5°	430.4	432.1	432.0	432.6	432.7	432.8	433.2	433.4	433.3	433.6	433.7
150°	426.9	428.2	427.8	427.9	427.6	427.6	427.1	427.1	426.7	426.7	426.3
152.5°	422.4	423.5	422.8	422.8	422.1	421.9	421.2	421.2	420.5	420.3	420.0
155°	416.2	416.6	416.3	416.1	415.8	415.6	415.3	415.4	415.3	415.0	415.0
157.5°	413.7	413.7	413.5	413.3	413.0	413.0	412.9	412.9	412.8	413.1	413.2
160°	413.2	413.4	413.0	412.9	412.7	412.5	412.4	412.6	412.6	413.0	413.1
162.5°	413.5	413.3	413.0	412.8	412.7	412.7	412.7	413.0	413.0	413.3	413.6
165°	416.8	417.0	416.3	416.3	416.0	415.8	415.5	415.5	415.7	415.8	415.9
167.5°	419.8	419.6	419.6	419.7	419.7	419.9	420.1	420.7	420.8	421.4	421.6
170°	425.0	425.2	424.8	424.8	424.6	424.5	424.6	424.6	424.7	424.9	424.8
172.5°	431.4	431.4	431.0	430.7	430.4	430.2	429.9	429.8	429.5	429.4	429.0
175°	435.6	435.4	435.2	435.1	434.9	434.5	434.4	434.0	433.8	433.6	433.5
177.5°	439.2	438.9	438.8	438.8	438.6	438.4	438.4	438.3	438.3	438.3	438.0
180°	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0



TEST NUMBER: P1444702
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL30

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41138.4	41137.9	41133.9	41135.8	41136.5	41139.4	41143.0	41146.7	41147.4	41150.3	41150.9
5°	41446.3	41344.5	41269.2	41186.4	41124.1	41068.2	41030.8	41001.1	40989.6	40992.6	40999.4
7.5°	42281.1	42071.0	41897.6	41700.6	41536.2	41362.2	41218.0	41080.8	40980.9	40906.4	40864.8
10°	43197.2	42941.3	42696.5	42411.3	42140.7	41852.0	41590.5	41327.2	41107.6	40917.0	40776.9
12.5°	43603.7	43422.9	43211.3	42942.1	42652.6	42319.5	41983.0	41622.4	41286.9	40975.6	40724.4
15°	43173.3	43173.6	43096.5	42967.3	42766.3	42500.0	42179.5	41803.5	41407.9	41004.1	40635.1
17.5°	41806.9	42064.7	42208.1	42298.8	42271.0	42172.9	41968.9	41680.2	41311.3	40881.2	40431.0
20°	39460.4	40068.5	40502.0	40891.9	41110.4	41255.6	41241.0	41123.6	40860.8	40495.1	40026.3
22.5°	36173.4	37194.0	37999.3	38750.3	39277.0	39705.4	39909.0	39995.5	39876.5	39621.7	39181.5
25°	32181.0	33568.7	34752.8	35902.1	36764.2	37505.1	37950.3	38264.0	38289.0	38155.8	37763.1
27.5°	27744.6	29382.6	30881.5	32408.9	33621.2	34686.3	35385.1	35896.6	36059.1	36037.7	35681.0
30°	23314.0	25033.6	26685.7	28466.7	29966.9	31327.6	32250.8	32942.6	33209.1	33260.2	32917.2
32.5°	19129.7	20825.4	22472.9	24335.0	25985.8	27545.3	28636.0	29457.7	29767.6	29840.7	29464.4
35°	15332.2	16896.6	18462.3	20266.9	21908.3	23523.2	24672.4	25532.7	25822.2	25871.0	25435.4
37.5°	12039.1	13372.0	14736.2	16355.4	17862.8	19379.4	20471.3	21279.9	21490.7	21477.7	20984.7
40°	9266.3	10302.5	11398.7	12731.8	13984.9	15267.1	16189.1	16857.5	16968.3	16886.2	16368.3
42.5°	6967.7	7716.2	8510.9	9506.0	10435.8	11395.4	12066.2	12562.4	12578.2	12448.4	11983.5
45°	5191.0	5921.2	6254.5	6856.1	7455.0	8093.1	8502.6	8809.1	8761.7	8647.5	8294.3
47.5°	3957.2	4237.8	4535.5	4908.5	5257.4	5981.4	5927.8	6419.9	6065.5	6307.2	5775.0
50°	3142.4	3299.3	3459.7	3657.6	3839.8	4029.1	4147.5	4235.7	4224.3	4186.3	4084.4
52.5°	2673.4	2722.0	2800.9	2913.5	3015.3	3117.7	3184.9	3239.7	3240.8	3225.5	3174.0
55°	2234.4	2295.9	2352.7	2426.3	2551.7	2570.9	2667.4	2647.9	2655.5	2628.8	2656.1
57.5°	1970.0	2005.9	2037.9	2081.6	2117.9	2160.1	2185.1	2209.0	2206.7	2201.6	2175.3
60°	1782.7	1802.5	1820.2	1845.8	1865.7	1889.6	1901.1	1913.3	1909.3	1900.4	1877.0
62.5°	1638.3	1650.7	1660.8	1677.3	1689.4	1704.3	1710.2	1715.4	1710.2	1701.8	1681.1
65°	1495.9	1503.8	1510.2	1522.6	1531.2	1543.9	1549.0	1553.9	1549.1	1542.6	1526.8
67.5°	1367.4	1368.1	1367.5	1372.5	1375.1	1382.8	1385.1	1388.6	1383.0	1377.4	1364.2
70°	1269.9	1267.8	1265.4	1267.4	1267.8	1271.6	1272.2	1271.6	1265.0	1255.2	1240.6
72.5°	1193.7	1192.6	1190.7	1192.4	1192.4	1195.8	1194.8	1193.1	1184.9	1175.4	1161.1
75°	1095.7	1094.9	1091.3	1091.5	1088.3	1089.4	1085.5	1083.2	1074.2	1066.2	1053.3
77.5°	981.1	979.3	973.9	972.0	966.1	963.7	956.2	952.5	943.4	936.9	925.9
80°	853.2	851.2	844.4	840.5	831.3	825.5	814.5	808.2	797.7	791.4	780.6
82.5°	705.2	706.0	699.1	694.4	681.2	671.1	656.4	648.5	636.8	630.7	619.7
85°	501.5	494.4	498.2	497.9	489.7	480.9	469.0	460.5	450.7	444.9	437.2
87.5°	275.1	276.8	274.8	273.1	267.3	262.9	253.5	248.6	241.5	237.9	232.1
90°	108.8	106.8	98.3	96.5	88.2	83.9	74.4	71.2	62.4	60.6	54.8
92.5°	83.2	78.7	74.5	69.6	65.5	61.0	56.4	51.9	47.3	45.4	44.3
95°	104.5	98.1	91.6	85.0	78.5	71.9	65.6	59.0	52.5	51.2	49.8
97.5°	117.9	110.2	102.5	94.8	87.2	79.4	71.8	64.2	56.4	55.6	54.7
100°	206.8	189.3	171.5	153.7	136.0	118.3	100.6	82.9	65.2	64.3	63.2
102.5°	467.9	425.0	382.0	339.1	296.2	253.1	210.2	167.1	124.1	117.9	111.7
105°	829.2	764.1	699.3	634.2	569.1	503.9	439.1	373.7	308.7	287.8	266.8
107.5°	1090.0	1028.8	967.9	906.7	845.5	784.6	723.3	662.1	600.8	564.1	527.4
110°	1208.7	1160.3	1112.1	1063.6	1015.2	966.7	918.2	869.7	821.2	789.5	758.1



TEST NUMBER: P1444702
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL30

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	1195.6	1160.2	1125.0	1089.4	1054.1	1018.6	983.3	947.6	912.1	893.1	873.9
115°	1082.9	1061.8	1040.7	1019.5	998.3	977.1	955.9	934.4	913.1	903.1	893.2
117.5°	948.9	938.3	927.8	917.2	906.5	895.7	885.1	874.3	863.5	860.2	856.8
120°	812.7	809.9	806.7	803.8	800.9	797.9	794.8	791.7	788.5	789.3	790.0
122.5°	699.6	701.3	703.3	704.6	706.6	708.0	709.9	711.1	712.7	715.9	719.0
125°	620.9	624.4	628.2	631.7	635.3	638.9	642.7	646.0	649.7	652.7	656.1
127.5°	565.2	569.2	573.4	577.3	581.6	585.6	589.6	593.4	597.4	600.4	603.6
130°	527.4	530.9	534.7	538.1	541.8	545.4	548.9	552.6	556.1	558.7	561.2
132.5°	500.7	504.0	507.5	510.6	514.1	517.2	520.7	523.8	527.5	529.2	531.5
135°	484.9	487.3	490.0	492.4	495.4	497.8	500.5	503.2	506.1	507.6	509.4
137.5°	470.8	472.9	475.2	477.3	479.8	481.8	484.3	486.6	489.2	490.1	491.6
140°	458.8	461.1	463.3	465.5	468.0	470.3	472.9	475.2	478.0	479.0	480.4
142.5°	450.5	452.2	454.0	455.8	457.9	459.6	461.9	464.1	466.3	467.5	468.7
145°	441.2	443.1	445.3	447.2	449.2	451.5	454.1	456.5	459.0	459.9	461.0
147.5°	435.3	437.0	438.9	440.7	442.6	444.3	446.7	448.9	451.2	452.1	453.0
150°	428.2	429.8	431.7	433.5	435.5	437.6	440.0	442.2	444.9	445.9	446.9
152.5°	421.8	423.6	425.5	427.7	429.8	432.1	434.5	436.9	439.4	440.3	441.6
155°	417.0	418.6	420.7	422.8	425.0	426.9	429.4	431.7	434.1	435.2	436.3
157.5°	415.0	416.4	418.5	420.4	422.3	424.3	426.6	428.5	430.7	431.7	432.6
160°	414.7	416.3	418.0	419.7	421.6	423.3	425.3	427.0	428.9	429.9	430.8
162.5°	415.2	416.8	418.6	420.0	422.0	423.6	425.7	427.3	429.2	429.9	430.9
165°	417.1	418.5	419.9	421.1	422.4	423.6	425.2	426.5	428.0	428.6	429.7
167.5°	422.9	423.6	424.6	425.6	426.9	427.8	429.2	430.1	431.3	432.1	432.9
170°	425.9	426.6	427.4	428.5	429.4	430.3	431.3	432.0	433.4	434.0	434.8
172.5°	429.6	430.0	430.8	431.2	431.9	432.4	433.2	433.8	434.4	435.3	435.9
175°	433.9	434.1	434.4	434.6	434.9	435.1	435.7	436.1	436.5	437.0	437.5
177.5°	438.2	438.4	438.5	438.7	439.1	439.2	439.6	439.8	440.1	440.7	441.3
180°	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0



TEST NUMBER: P1444702
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL30

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41149.5	41149.1	41147.7	41145.9	41144.1	41145.1	41146.9	41151.7	41159.9	41171.9	41187.5
5°	41005.1	41013.5	41018.2	41018.9	41014.6	41012.0	41015.9	41027.2	41050.1	41088.4	41140.1
7.5°	40853.7	40864.0	40879.9	40891.9	40894.2	40891.3	40891.9	40909.6	40951.7	41026.2	41130.7
10°	40691.9	40661.2	40677.4	40707.1	40730.6	40734.9	40737.8	40758.7	40820.2	40932.9	41100.8
12.5°	40542.6	40445.2	40426.4	40453.2	40489.0	40500.5	40497.3	40506.3	40578.4	40727.4	40961.3
15°	40346.1	40162.9	40100.4	40107.2	40151.4	40167.4	40155.7	40138.0	40208.2	40390.2	40693.0
17.5°	40028.1	39732.8	39617.7	39612.7	39664.4	39678.2	39649.7	39594.7	39663.8	39890.9	40266.8
20°	39544.7	39108.8	38892.2	38857.7	38913.9	38897.5	38840.7	38757.5	38848.4	39124.4	39571.5
22.5°	38675.8	38123.4	37753.3	37633.9	37701.1	37656.2	37573.5	37467.1	37587.9	37901.6	38399.5
25°	37255.9	36617.6	36110.8	35826.6	35880.1	35799.7	35709.6	35580.8	35724.8	36084.8	36632.9
27.5°	35168.7	34431.5	33803.5	33332.9	33350.2	33244.9	33141.1	32974.4	33154.1	33580.3	34198.4
30°	32393.4	31540.4	30775.6	30135.9	30078.7	29976.7	29870.4	29651.5	29876.4	30386.6	31109.0
32.5°	28908.0	27960.9	27077.3	26268.6	26116.0	26016.4	25921.6	25669.8	25964.3	26559.2	27389.1
35°	24832.0	23823.1	22865.1	21941.5	21688.7	21589.1	21506.3	21265.0	21632.6	22279.8	23176.1
37.5°	20358.1	19327.4	18376.3	17429.2	17072.0	16936.9	16876.8	16718.7	17142.7	17782.9	18682.9
40°	15765.1	14806.8	13954.1	13117.5	12710.3	12503.7	12472.1	12443.3	12853.3	13408.7	14225.6
42.5°	11468.5	10695.4	10037.8	9398.4	9029.5	8747.2	8747.0	8832.7	9201.7	9617.8	10247.7
45°	7933.1	7414.3	6995.3	6568.1	6682.2	6119.5	6450.2	6280.4	6462.8	6731.0	7140.7
47.5°	5453.2	5170.0	4939.9	4701.2	4527.2	4361.1	4375.6	4482.7	4654.5	4813.7	5026.8
50°	3974.5	3830.2	3713.0	3589.1	3502.4	3429.2	3433.5	3479.8	3570.1	3653.9	3765.5
52.5°	3114.3	3034.7	2971.1	2902.5	2857.1	2820.6	2822.6	2845.1	2894.0	2941.8	3005.8
55°	2566.9	2557.3	2474.5	2413.0	2389.6	2365.1	2369.5	2378.5	2411.6	2439.7	2482.0
57.5°	2151.0	2113.9	2089.1	2056.7	2041.8	2024.7	2028.5	2031.9	2054.1	2072.9	2103.4
60°	1857.4	1831.1	1813.6	1791.5	1781.7	1770.8	1773.3	1775.2	1789.5	1801.7	1823.6
62.5°	1662.3	1638.8	1623.5	1606.5	1599.6	1592.3	1594.0	1594.5	1603.4	1612.4	1629.0
65°	1512.7	1494.0	1481.3	1466.6	1459.4	1451.8	1452.6	1452.6	1460.0	1466.6	1479.0
67.5°	1354.4	1340.4	1332.2	1320.5	1315.6	1307.8	1307.7	1305.2	1310.1	1312.7	1321.1
70°	1227.5	1213.3	1202.7	1191.5	1185.4	1178.5	1178.6	1178.8	1184.5	1190.5	1201.3
72.5°	1148.9	1135.4	1126.0	1116.2	1110.4	1104.6	1103.5	1103.0	1107.1	1110.3	1117.5
75°	1045.0	1034.3	1028.7	1019.6	1014.9	1008.3	1007.3	1004.2	1006.2	1006.8	1012.2
77.5°	919.0	908.8	904.3	895.0	891.1	883.7	883.0	879.6	881.2	880.1	884.3
80°	775.3	766.0	763.5	755.9	754.1	747.1	746.1	742.0	743.2	740.0	741.5
82.5°	615.0	606.4	604.5	597.5	597.5	591.3	590.9	584.7	584.7	579.3	570.8
85°	433.2	426.9	424.3	418.5	416.8	411.8	409.1	403.2	401.0	397.2	396.0
87.5°	228.6	224.7	221.1	218.3	213.3	204.2	203.5	197.2	197.7	193.3	193.6
90°	53.6	48.3	47.3	42.4	41.1	37.6	36.6	36.7	37.5	37.9	38.9
92.5°	42.8	41.3	39.8	38.3	36.8	35.3	33.8	35.3	36.8	38.3	39.8
95°	48.5	47.1	45.8	44.5	43.1	41.8	40.5	41.8	43.1	44.6	45.9
97.5°	53.9	53.0	52.2	51.3	50.5	49.6	48.8	49.8	50.7	51.5	52.4
100°	62.2	61.2	60.2	59.2	58.2	57.1	56.1	57.4	58.5	59.4	60.4
102.5°	105.7	99.5	93.3	87.1	80.8	74.7	68.4	74.7	80.8	87.2	93.4
105°	245.9	225.1	204.1	183.1	162.2	141.2	120.2	141.3	162.4	183.3	204.3
107.5°	490.4	453.8	416.9	380.2	343.0	306.3	269.4	306.5	343.4	380.3	417.2
110°	726.2	694.4	662.7	631.0	599.1	567.5	535.6	567.6	599.4	631.3	663.2



TEST NUMBER: P1444702
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL30

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	854.6	835.4	816.1	797.0	777.6	758.4	738.9	758.6	778.1	797.7	817.0
115°	883.3	873.1	863.2	853.1	842.9	832.8	822.3	833.2	843.6	854.0	864.4
117.5°	853.4	850.2	846.8	843.4	839.8	836.3	832.7	836.7	840.6	844.7	848.3
120°	790.5	791.4	792.0	792.5	793.1	793.6	793.8	794.2	794.2	794.2	794.0
122.5°	721.9	725.0	727.8	730.7	733.5	736.3	738.8	737.0	734.7	732.8	730.2
125°	659.0	662.4	665.4	668.4	671.3	674.3	676.7	675.1	673.0	670.8	668.3
127.5°	606.5	609.5	612.1	615.2	617.7	620.2	622.6	621.2	619.4	617.6	615.3
130°	563.5	566.1	568.3	570.7	572.6	574.6	576.2	575.5	574.3	573.4	571.8
132.5°	533.3	535.6	537.4	539.4	540.7	542.5	543.5	543.5	542.8	542.3	541.1
135°	511.1	512.6	513.9	515.6	516.7	517.8	518.5	518.9	518.7	518.6	517.9
137.5°	492.7	494.0	494.9	495.8	496.6	497.2	497.4	498.2	498.6	499.1	499.0
140°	481.4	482.7	483.9	484.7	485.6	486.4	486.5	487.5	487.7	488.1	488.0
142.5°	469.9	471.1	472.1	473.1	473.8	474.5	474.8	475.6	476.0	476.2	476.2
145°	462.0	462.8	463.7	464.6	465.0	465.4	465.4	466.5	467.0	467.5	467.8
147.5°	453.9	454.8	455.5	456.2	456.5	457.0	457.1	458.0	458.5	459.0	459.5
150°	448.2	449.2	450.2	451.1	451.8	452.4	452.5	453.3	453.7	453.9	454.0
152.5°	442.5	443.3	444.3	445.0	445.7	446.2	446.5	447.2	447.8	448.2	448.4
155°	437.3	438.4	439.2	440.1	440.8	441.6	442.2	442.8	443.3	443.5	443.9
157.5°	433.5	434.5	435.3	436.2	436.8	437.7	438.4	439.2	439.6	440.2	440.5
160°	431.6	432.6	433.3	434.2	434.9	435.7	436.3	437.0	437.6	438.1	438.7
162.5°	431.6	432.6	433.0	433.9	434.7	435.4	436.0	436.8	437.5	438.0	438.5
165°	430.7	431.7	432.3	433.3	434.3	435.1	435.8	436.4	436.7	437.1	437.4
167.5°	433.7	434.7	435.2	436.1	436.7	437.7	438.5	439.0	439.2	439.5	439.8
170°	435.4	436.2	436.9	437.5	438.4	439.2	439.6	439.9	440.2	440.5	440.8
172.5°	436.5	437.5	438.2	439.2	439.7	440.5	441.2	441.4	441.4	441.4	441.2
175°	437.9	438.7	439.2	439.9	440.3	440.9	441.6	441.5	441.6	441.5	441.4
177.5°	441.9	442.8	443.4	444.0	444.6	445.0	445.7	445.2	444.9	444.5	444.0
180°	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0



TEST NUMBER: P1444702
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL30

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41209.6	41230.2	41261.7	41290.3	41333.4	41367.3	41418.3	41457.0	41514.5	41551.9	41614.4
5°	41213.2	41293.9	41399.9	41503.3	41627.7	41740.6	41881.0	42000.5	42141.5	42256.6	42400.9
7.5°	41271.5	41426.9	41613.4	41801.1	42013.5	42212.1	42436.0	42638.5	42860.0	43047.4	43252.1
10°	41314.5	41554.3	41828.9	42105.3	42396.1	42666.4	42939.2	43175.0	43395.4	43576.6	43736.8
12.5°	41256.2	41586.5	41939.0	42279.2	42602.7	42882.4	43117.1	43298.5	43423.6	43508.5	43528.4
15°	41058.1	41455.6	41838.7	42177.6	42446.0	42653.0	42760.2	42810.3	42756.5	42667.1	42470.6
17.5°	40687.9	41107.2	41449.7	41717.1	41858.9	41915.1	41826.3	41671.9	41370.2	41035.3	40551.6
20°	40009.3	40400.0	40648.4	40794.2	40756.3	40616.0	40280.9	39873.6	39271.2	38629.1	37781.9
22.5°	38819.0	39160.5	39292.9	39303.8	39072.3	38720.9	38116.5	37417.9	36467.5	35479.5	34264.4
25°	37032.3	37331.4	37352.4	37234.8	36811.2	36241.8	35354.3	34366.0	33074.5	31758.1	30235.5
27.5°	34609.2	34896.0	34825.8	34606.6	34018.3	33256.5	32120.2	30843.5	29251.4	27696.4	26012.1
30°	31563.1	31869.9	31787.5	31506.2	30806.6	29906.1	28569.1	27085.8	25318.2	23657.3	21950.5
32.5°	27917.9	28305.8	28248.8	27981.5	27251.5	26287.8	24837.1	23263.8	21455.3	19818.8	18158.4
35°	23774.6	24245.6	24269.9	24095.2	23417.4	22464.9	21032.4	19509.6	17777.4	16233.2	14699.3
37.5°	19310.7	19856.7	19968.8	19921.7	19360.0	18519.2	17214.0	15847.9	14313.3	12959.9	11648.2
40°	14822.1	15374.7	15566.5	15623.5	15208.9	14557.7	13486.4	12383.8	11132.8	10036.1	8994.5
42.5°	10728.7	11218.6	11403.9	11520.6	11261.8	10827.5	10046.1	9245.4	8328.9	7537.9	6779.5
45°	7451.3	7797.8	7938.8	8056.2	7915.2	7670.2	7176.8	6676.0	6071.0	5554.1	5064.7
47.5°	5209.6	5400.7	5493.8	5550.7	5496.1	5368.3	5099.8	4809.7	4468.2	4166.1	3875.7
50°	3861.5	3963.2	4011.8	4044.8	4005.0	3933.9	3788.6	3630.7	3443.1	3272.0	3104.8
52.5°	3060.1	3118.5	3147.3	3165.1	3142.2	3098.8	3014.2	2920.5	2808.1	2702.4	2646.9
55°	2578.0	2574.9	2641.8	2609.5	2641.8	2569.7	2554.5	2451.6	2358.2	2292.5	2221.3
57.5°	2126.0	2156.3	2169.1	2183.5	2174.2	2161.0	2125.0	2088.2	2038.9	1997.8	1953.8
60°	1840.3	1865.2	1879.3	1893.6	1892.6	1887.7	1866.9	1844.8	1814.1	1789.5	1762.9
62.5°	1643.5	1665.1	1679.0	1692.6	1693.9	1691.8	1676.1	1660.8	1639.9	1624.4	1606.0
65°	1488.6	1503.8	1513.3	1524.2	1523.6	1520.6	1506.4	1493.7	1476.4	1465.7	1452.3
67.5°	1326.6	1338.1	1345.4	1355.7	1357.7	1358.3	1350.5	1344.6	1336.1	1333.1	1328.4
70°	1211.4	1225.3	1237.1	1250.1	1257.1	1260.5	1257.1	1254.1	1249.2	1247.1	1243.5
72.5°	1124.2	1135.9	1145.1	1157.0	1163.5	1168.3	1165.7	1164.0	1159.7	1159.1	1156.6
75°	1015.9	1024.0	1029.2	1038.0	1041.6	1046.0	1044.0	1045.0	1043.7	1047.1	1046.9
77.5°	885.6	891.6	894.1	900.5	901.1	906.5	907.7	914.0	918.4	928.2	933.4
80°	739.0	742.9	742.9	749.4	752.4	761.4	765.7	775.9	780.6	789.4	790.2
82.5°	574.1	569.7	574.1	571.3	579.8	589.8	591.3	600.0	602.0	607.5	603.2
85°	392.5	392.2	388.6	389.2	386.7	387.9	386.4	388.0	386.5	386.7	382.7
87.5°	188.0	189.7	185.6	187.0	183.0	184.8	181.3	184.1	179.9	180.5	174.4
90°	39.4	40.3	40.9	41.9	43.4	46.0	48.8	51.5	54.9	57.4	60.4
92.5°	41.3	43.0	44.5	46.0	47.5	52.0	56.6	61.1	65.8	70.1	74.7
95°	47.2	48.6	49.9	51.6	52.9	59.4	66.0	72.5	79.1	85.6	92.2
97.5°	53.5	54.4	55.2	56.1	57.0	64.8	72.4	80.2	88.0	95.6	103.2
100°	61.7	62.6	63.6	64.9	65.9	83.7	101.4	119.2	137.0	154.6	172.3
102.5°	99.7	106.0	112.2	118.6	124.8	168.0	211.1	254.2	297.0	340.1	383.1
105°	225.4	246.3	267.6	288.6	309.6	374.8	440.1	505.4	570.2	635.5	700.7
107.5°	454.2	491.1	528.3	565.2	602.1	663.5	724.7	786.0	847.4	908.6	969.6
110°	695.4	726.9	759.2	791.0	822.9	871.4	920.2	968.7	1017.3	1065.9	1114.4



TEST NUMBER: P1444702
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL30

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	836.7	855.9	875.4	894.6	914.0	949.7	985.6	1021.2	1056.9	1092.2	1127.7
115°	874.8	884.8	895.1	905.3	915.7	937.2	958.5	980.0	1001.6	1022.7	1044.2
117.5°	852.0	855.7	859.4	862.7	866.4	877.3	888.3	899.2	910.2	921.1	932.0
120°	793.8	793.4	793.1	792.5	792.1	795.3	798.7	801.9	805.3	808.4	811.4
122.5°	728.0	725.1	722.6	719.8	717.2	715.6	714.3	712.7	711.7	710.0	708.6
125°	665.8	663.0	660.3	657.4	654.5	651.2	647.9	644.4	641.0	637.6	634.1
127.5°	613.5	610.8	608.5	605.8	603.1	599.2	595.5	591.5	587.9	583.7	580.0
130°	570.3	568.4	566.7	564.3	562.6	558.8	555.6	552.1	548.8	545.3	541.9
132.5°	540.2	538.7	537.4	535.6	534.1	530.9	528.2	524.7	521.6	518.5	515.4
135°	517.5	516.6	515.8	514.5	513.4	510.7	508.5	505.9	503.5	501.0	498.6
137.5°	499.1	498.5	498.1	497.5	496.9	494.7	492.7	490.5	488.6	486.3	484.4
140°	488.0	487.5	487.3	486.7	486.1	483.9	481.7	479.5	477.5	475.2	473.1
142.5°	476.1	475.9	475.5	475.0	474.5	472.7	471.2	469.5	467.7	466.0	464.3
145°	467.8	467.8	467.8	467.4	467.5	465.4	463.6	461.4	459.8	457.8	456.0
147.5°	459.7	459.6	459.9	459.7	459.9	458.2	456.8	455.1	453.8	452.0	450.6
150°	454.1	454.1	454.1	453.9	453.8	452.1	450.8	449.0	447.8	446.0	444.7
152.5°	448.5	448.7	448.9	448.9	449.0	447.6	446.1	444.5	443.0	441.2	439.8
155°	444.1	444.3	444.4	444.4	444.4	443.1	441.7	440.3	439.0	437.5	436.1
157.5°	440.8	441.1	441.4	441.6	441.7	440.6	439.4	438.2	437.0	435.7	434.5
160°	439.1	439.5	439.8	440.0	440.3	439.3	438.5	437.3	436.6	435.2	434.1
162.5°	439.0	439.4	439.7	439.9	440.1	439.2	438.5	437.5	436.5	435.1	434.2
165°	437.9	437.9	438.2	438.2	438.3	437.6	437.1	436.5	435.8	435.0	434.3
167.5°	440.1	440.1	440.4	440.4	440.5	440.0	440.0	439.3	438.8	438.4	437.8
170°	440.9	441.1	441.2	441.2	441.3	440.8	440.5	440.0	439.7	439.0	438.4
172.5°	441.3	441.1	441.1	441.1	440.9	440.6	440.3	440.0	439.9	439.5	439.2
175°	441.2	440.9	441.0	440.8	440.6	440.6	440.4	440.4	440.2	440.1	440.0
177.5°	443.9	443.5	443.0	442.6	442.3	442.1	442.1	441.9	442.0	441.9	441.7
180°	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0



TEST NUMBER: P1444702
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL30

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41653.1	41395.9	41362.0	41380.0	41423.0	41438.9	41485.3	41497.9	41544.6	41556.1	41601.0
5°	42512.6	42172.6	42189.6	42271.3	42395.1	42468.8	42590.5	42654.1	42770.2	42823.1	42928.0
7.5°	43418.9	43151.9	43235.1	43373.0	43542.2	43659.4	43805.6	43900.7	44026.6	44104.9	44205.7
10°	43863.8	43790.7	43882.4	43990.8	44087.4	44163.0	44224.9	44274.6	44307.0	44337.4	44350.8
12.5°	43525.2	43638.5	43654.1	43643.5	43579.6	43530.7	43421.0	43346.5	43214.2	43133.5	42976.1
15°	42269.9	42518.8	42381.0	42172.3	41866.9	41612.3	41252.7	40984.9	40610.5	40356.5	39980.7
17.5°	40066.9	40381.1	40021.9	39539.0	38924.6	38399.0	37744.6	37225.0	36574.3	36101.0	35493.7
20°	36965.4	37259.1	36618.3	35817.8	34867.4	34067.6	33124.4	32372.0	31495.4	30843.5	30056.7
22.5°	33103.8	33313.0	32410.4	31331.1	30120.3	29121.2	27993.4	27091.3	26091.0	25345.7	24506.8
25°	28831.7	28888.1	27805.4	26562.0	25212.6	24089.6	22885.7	21937.2	20917.1	20161.7	19338.3
27.5°	24519.8	24437.0	23266.8	21948.4	20528.9	19361.7	18187.4	17298.6	16405.2	15724.7	15015.3
30°	20450.0	20249.4	19034.4	17679.3	16301.4	15255.2	14280.4	13566.6	12855.8	12316.1	11746.6
32.5°	16717.8	16435.0	15252.2	13982.7	12821.6	12014.3	11291.4	10751.3	10177.3	9721.3	9243.5
35°	13412.1	13110.8	12063.0	10986.7	10107.9	9512.8	8944.7	8501.6	8014.2	7629.6	7214.6
37.5°	10575.1	10328.1	9450.4	8603.5	7938.8	7477.6	7012.1	6649.9	6247.2	6078.0	5634.6
40°	8163.9	7991.3	7305.0	6680.7	6181.6	5964.9	5492.4	5154.1	4853.1	4605.0	4364.5
42.5°	6368.0	6306.9	5639.0	5152.1	4800.7	4527.7	4264.4	4050.6	3842.5	3671.4	3509.8
45°	4673.1	4624.8	4328.3	4047.2	3807.7	3617.0	3439.0	3292.0	3155.9	3043.2	2940.6
47.5°	3639.0	3623.6	3452.7	3278.5	3127.6	3005.0	2889.5	2791.9	2701.6	2626.3	2601.9
50°	2959.7	2957.8	2857.5	2750.0	2642.5	2571.6	2498.0	2440.3	2382.3	2337.1	2289.4
52.5°	2514.8	2503.9	2436.3	2369.9	2306.1	2259.6	2212.4	2175.5	2137.1	2109.3	2079.6
55°	2165.0	2176.4	2137.3	2097.7	2057.7	2028.8	1995.8	1971.5	1945.1	1927.5	1909.6
57.5°	1922.0	1937.2	1916.7	1894.1	1869.8	1850.8	1828.1	1811.2	1793.6	1782.5	1772.0
60°	1745.3	1761.8	1753.5	1742.2	1727.2	1715.9	1701.4	1692.0	1680.7	1674.5	1668.6
62.5°	1595.3	1616.0	1613.1	1607.7	1598.1	1591.8	1583.8	1579.7	1572.2	1569.5	1566.7
65°	1445.7	1469.0	1468.5	1465.8	1460.5	1458.7	1453.8	1452.8	1449.0	1450.6	1450.2
67.5°	1328.0	1348.2	1352.7	1355.9	1355.7	1356.9	1356.5	1358.5	1358.5	1361.4	1363.2
70°	1243.1	1257.1	1260.5	1263.9	1264.8	1267.6	1267.6	1269.2	1268.8	1271.2	1271.6
72.5°	1157.2	1175.8	1179.2	1181.9	1181.9	1184.5	1183.1	1182.6	1179.0	1178.2	1175.6
75°	1050.5	1074.2	1079.3	1082.7	1083.2	1085.5	1082.3	1080.2	1074.2	1071.7	1067.4
77.5°	938.9	963.5	967.2	968.4	966.4	966.9	960.2	955.6	947.7	944.5	940.4
80°	793.6	829.9	832.9	830.5	824.9	823.9	817.4	813.1	803.8	800.6	797.0
82.5°	603.9	646.5	652.5	655.1	650.4	651.5	645.3	642.8	634.2	632.7	627.0
85°	381.3	423.8	430.9	429.8	425.3	424.2	420.4	421.7	421.0	423.2	424.4
87.5°	175.2	216.4	226.3	223.1	222.6	219.8	213.2	215.6	219.6	222.2	222.3
90°	63.3	78.5	81.1	79.8	74.5	72.6	67.6	66.4	62.1	60.8	56.6
92.5°	79.2	83.8	88.3	84.3	80.3	76.2	72.2	68.0	64.2	59.9	56.1
95°	98.7	105.0	111.5	106.1	100.7	95.3	89.9	84.6	79.2	73.8	68.4
97.5°	110.9	118.3	125.9	120.6	115.1	109.6	104.3	98.8	93.5	88.0	82.6
100°	190.2	207.3	224.9	209.7	194.3	179.0	163.8	148.3	133.0	117.8	102.3
102.5°	426.1	468.7	511.5	472.7	434.1	395.3	356.7	318.0	279.4	240.5	201.9
105°	765.6	830.2	895.1	835.7	776.6	717.7	658.6	599.6	540.5	481.4	422.5
107.5°	1030.8	1090.9	1151.7	1098.2	1044.8	991.5	937.8	884.5	830.9	777.5	724.1
110°	1162.8	1210.0	1258.2	1222.0	1186.2	1150.0	1114.2	1078.0	1042.2	1006.5	970.6



TEST NUMBER: P1444702
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL30

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	1163.2	1197.0	1232.0	1210.5	1189.5	1168.2	1147.2	1125.9	1105.0	1083.7	1063.0
115°	1065.3	1084.4	1105.2	1096.5	1087.9	1079.3	1070.6	1062.2	1053.6	1045.1	1036.9
117.5°	942.7	950.9	960.9	958.9	957.1	955.0	953.3	951.3	949.7	947.9	946.2
120°	814.6	814.9	817.2	817.7	818.4	818.9	819.7	820.2	821.0	821.8	822.7
122.5°	706.9	702.4	699.8	700.3	700.8	701.0	701.6	702.1	702.7	703.2	704.0
125°	630.7	623.7	619.3	617.2	615.3	613.2	611.2	609.1	607.4	605.5	603.8
127.5°	576.0	568.5	563.6	559.7	555.8	551.7	547.9	543.9	540.1	536.0	532.5
130°	538.5	531.0	526.6	521.7	517.1	512.0	507.4	502.6	497.7	493.0	488.3
132.5°	512.2	504.8	500.6	496.1	491.6	486.8	482.5	477.6	472.9	468.1	463.7
135°	496.0	489.1	485.7	481.3	477.4	473.0	468.7	464.4	460.3	455.8	451.9
137.5°	482.2	475.3	472.4	468.8	465.5	462.1	458.8	455.1	451.6	447.8	444.5
140°	470.9	463.7	460.5	458.5	456.5	454.2	452.2	449.8	447.8	445.6	443.3
142.5°	462.6	455.6	452.8	451.3	450.1	448.5	447.4	445.8	444.5	442.5	441.2
145°	454.1	446.4	443.3	442.8	442.7	442.2	441.8	441.4	441.0	440.3	440.0
147.5°	449.0	440.9	438.0	438.1	438.1	437.8	438.1	437.7	438.0	437.7	437.7
150°	442.8	433.9	430.4	430.9	431.0	431.4	431.8	431.9	432.5	432.7	433.0
152.5°	438.0	427.3	423.4	423.7	424.4	424.6	425.1	425.7	426.3	426.9	427.3
155°	434.3	422.8	418.5	418.4	418.6	418.7	418.9	419.3	419.6	419.9	420.4
157.5°	433.0	420.8	416.7	416.3	416.3	416.3	416.3	416.4	416.6	416.8	417.3
160°	432.9	420.7	416.6	416.3	416.3	416.1	416.0	415.9	416.1	416.3	416.6
162.5°	432.8	421.0	417.1	416.7	416.3	416.2	416.2	415.9	416.1	416.0	416.3
165°	433.4	422.8	419.3	419.0	419.1	418.9	418.9	419.0	419.2	419.3	419.6
167.5°	436.9	427.7	424.8	424.4	423.9	423.5	423.5	422.8	422.8	422.5	422.5
170°	437.7	430.4	427.9	427.7	427.9	427.8	427.7	427.7	427.7	427.6	427.7
172.5°	438.7	433.4	431.4	431.7	432.0	432.1	432.5	432.6	433.0	433.3	433.6
175°	439.8	436.5	435.7	435.6	435.8	435.9	436.1	436.2	436.4	436.6	437.0
177.5°	441.7	440.8	440.3	440.3	440.3	440.3	440.3	440.3	440.3	440.5	440.5
180°	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0



TEST NUMBER: P1444702
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL30

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41609.3	41657.8	41654.2	41699.5	41697.2	41739.9	41731.3	41768.1	41759.8	41791.3	41772.8
5°	42974.2	43066.5	43096.9	43180.2	43197.4	43272.0	43273.5	43332.7	43325.6	43371.9	43347.2
7.5°	44265.4	44351.5	44392.4	44457.1	44489.4	44542.9	44563.9	44607.9	44618.5	44644.6	44643.8
10°	44374.3	44374.0	44394.2	44385.2	44403.2	44392.8	44414.8	44406.9	44439.5	44431.0	44455.7
12.5°	42908.2	42762.7	42709.5	42578.8	42550.2	42438.1	42446.0	42374.1	42408.9	42364.7	42439.9
15°	39757.1	39419.5	39252.8	38959.4	38867.2	38635.3	38616.4	38462.4	38504.0	38423.3	38541.1
17.5°	35100.8	34569.3	34277.8	33849.1	33679.0	33350.9	33285.1	33086.8	33117.6	33017.7	33160.0
20°	29549.2	28907.0	28539.1	28043.5	27822.4	27431.3	27327.6	27105.7	27133.5	27034.0	27195.1
22.5°	23934.2	23262.0	22846.8	22327.2	22044.9	21677.1	21566.7	21343.9	21356.5	21263.2	21418.0
25°	18774.3	18129.8	17726.7	17254.9	17009.9	16672.6	16556.7	16356.5	16367.8	16290.8	16429.8
27.5°	14523.3	13994.5	13657.2	13261.7	13042.1	12764.9	12651.8	12483.4	12483.0	12426.5	12542.6
30°	11349.1	10907.9	10605.0	10260.6	10054.4	9804.1	9694.9	9544.4	9537.8	9497.7	9590.0
32.5°	8886.1	8493.6	8217.5	7914.3	7729.1	7514.4	7411.1	7290.1	7279.0	7242.7	7318.5
35°	6907.8	6577.2	6339.8	6084.6	6103.4	5786.6	5839.3	5593.2	5526.5	5512.0	5568.3
37.5°	5338.9	5083.0	4890.0	4698.9	4569.4	4435.6	4363.5	4298.8	4291.4	4285.1	4324.6
40°	4178.9	3999.8	3859.4	3728.3	3639.2	3557.5	3512.4	3477.0	3468.5	3463.8	3487.7
42.5°	3382.2	3261.3	3170.9	3090.8	3036.7	2992.4	2967.6	2947.8	2941.2	2941.4	2955.5
45°	2857.5	2784.2	2725.9	2676.2	2641.6	2656.8	2612.1	2635.5	2604.6	2636.6	2615.5
47.5°	2516.5	2454.0	2417.9	2382.7	2361.8	2344.9	2345.6	2345.8	2352.4	2353.5	2360.4
50°	2253.2	2217.2	2192.0	2169.6	2158.7	2149.9	2152.9	2155.2	2161.6	2162.1	2167.2
52.5°	2058.5	2034.7	2019.6	2005.7	2000.8	1995.8	1997.9	1997.0	1999.9	1998.4	2002.5
55°	1900.0	1888.8	1884.0	1878.9	1879.6	1878.3	1879.1	1874.1	1871.0	1867.2	1870.8
57.5°	1769.9	1768.4	1771.6	1773.7	1779.7	1781.8	1783.3	1777.4	1771.9	1766.9	1769.7
60°	1669.6	1672.1	1680.1	1686.5	1695.1	1699.0	1701.5	1698.2	1694.1	1690.0	1692.5
62.5°	1570.8	1574.6	1584.2	1591.3	1601.7	1607.1	1613.1	1613.4	1614.9	1613.4	1615.0
65°	1456.0	1460.8	1469.4	1475.4	1485.0	1489.7	1495.9	1496.9	1500.3	1499.5	1502.5
67.5°	1368.9	1373.2	1380.4	1386.0	1394.5	1399.4	1404.8	1405.1	1406.3	1406.0	1408.8
70°	1275.8	1278.0	1284.4	1289.1	1297.7	1302.8	1308.9	1310.7	1314.5	1315.1	1318.2
72.5°	1176.7	1175.8	1179.6	1181.7	1188.2	1192.2	1199.9	1204.2	1210.6	1212.3	1214.6
75°	1068.7	1067.8	1072.3	1074.2	1079.7	1083.6	1092.4	1098.1	1108.0	1112.1	1111.1
77.5°	943.6	945.8	954.3	959.0	966.4	971.5	982.8	991.8	1010.0	1018.0	1009.9
80°	803.8	806.0	814.9	819.4	829.0	835.2	847.8	858.4	874.7	878.3	873.7
82.5°	631.9	632.5	640.6	643.8	656.4	665.4	681.5	689.9	700.1	698.5	697.3
85°	430.9	436.7	446.6	456.6	471.9	486.6	501.7	514.3	505.4	519.4	503.8
87.5°	230.3	229.6	243.1	241.0	262.4	274.8	287.9	294.3	301.3	299.9	300.0
90°	55.9	52.8	53.2	49.8	51.2	47.6	50.0	46.7	49.9	45.6	52.4
92.5°	51.9	49.9	47.5	45.5	43.1	41.2	38.8	36.6	34.4	32.3	34.4
95°	63.1	61.0	59.1	56.9	54.9	52.8	50.9	48.8	46.9	44.8	47.3
97.5°	77.3	76.1	74.9	73.8	72.6	71.4	70.2	69.1	67.7	66.6	68.3
100°	87.1	87.1	87.1	87.1	86.8	86.8	86.8	86.8	86.8	86.8	88.1
102.5°	163.2	159.3	155.5	151.4	147.6	143.7	139.9	136.0	132.2	128.3	134.0
105°	363.4	348.3	333.1	318.0	302.7	287.7	272.5	257.5	242.3	227.2	242.8
107.5°	670.9	643.3	615.6	588.2	560.4	532.9	505.4	477.9	450.4	422.8	447.5
110°	934.7	905.4	876.1	846.8	817.5	788.1	759.0	729.8	700.6	671.4	694.9



TEST NUMBER: P1444702
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL30

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	1042.0	1022.7	1003.8	984.9	965.9	947.1	928.2	909.5	890.7	871.9	883.3
115°	1028.5	1019.4	1010.2	1001.2	992.1	982.9	973.8	965.0	956.1	947.2	947.9
117.5°	944.6	941.3	938.2	935.0	931.9	928.8	925.9	923.0	920.0	917.3	910.9
120°	823.8	824.3	824.8	825.7	826.5	827.7	828.4	829.6	830.7	831.9	823.3
122.5°	704.8	706.5	708.5	710.5	712.6	714.9	717.0	719.5	722.1	724.6	716.0
125°	601.9	603.6	605.4	607.3	609.0	611.5	613.6	616.1	618.5	621.2	614.0
127.5°	528.7	529.0	529.1	529.7	530.0	530.9	531.7	532.9	534.1	535.3	530.8
130°	483.5	482.2	480.8	479.8	478.5	477.8	477.2	476.6	476.0	475.9	474.1
132.5°	458.9	456.5	454.1	451.9	449.8	448.0	446.0	444.7	443.3	442.0	441.5
135°	447.4	444.2	441.2	438.2	435.3	433.0	430.4	428.4	426.2	424.4	425.0
137.5°	441.0	438.0	434.9	432.0	429.1	426.8	424.1	422.0	420.0	418.0	419.0
140°	441.1	438.0	435.0	432.1	429.5	427.0	424.6	422.6	420.3	418.7	419.2
142.5°	439.6	437.1	434.2	431.8	429.2	426.9	424.8	423.0	420.8	419.4	420.1
145°	439.3	437.5	435.3	433.4	431.6	430.0	428.0	426.9	425.5	424.6	425.0
147.5°	437.5	436.2	434.4	433.1	431.5	430.5	429.3	428.3	427.3	426.7	426.8
150°	433.3	432.4	431.3	430.4	429.5	428.8	428.0	427.5	426.9	426.4	426.4
152.5°	427.8	427.1	426.2	425.5	424.7	424.2	423.6	423.1	422.7	422.3	422.2
155°	420.8	420.4	420.1	419.9	419.5	419.6	419.3	419.5	419.3	419.4	419.5
157.5°	417.5	417.6	417.4	417.7	417.7	417.9	417.9	418.3	418.3	418.7	419.0
160°	417.1	417.1	416.9	417.1	417.0	417.0	417.1	417.2	417.3	417.4	417.9
162.5°	416.5	417.0	417.1	417.4	417.9	418.2	418.7	419.3	419.6	420.2	420.7
165°	420.0	420.0	420.0	419.9	420.3	420.4	420.5	421.0	421.2	421.6	422.2
167.5°	422.4	422.7	422.8	423.0	423.4	423.7	424.1	424.7	425.3	426.1	426.5
170°	427.6	427.6	427.6	427.6	427.6	427.9	428.0	428.2	428.4	428.8	429.2
172.5°	433.9	433.9	433.5	433.9	433.5	433.9	433.9	434.0	434.0	434.2	434.3
175°	436.9	437.4	437.5	437.9	437.9	438.0	438.2	438.4	438.5	438.9	438.9
177.5°	440.5	440.6	440.6	440.6	440.6	440.8	440.8	440.8	440.8	440.6	440.8
180°	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0



TEST NUMBER: P1444702
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL30

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41803.5	41782.6	41804.0	41782.2	41804.0	41777.9	41795.6	41767.4	41774.6	41745.4	41752.9
5°	43384.1	43350.8	43368.5	43325.2	43329.9	43272.0	43271.0	43203.6	43185.9	43109.2	43075.5
7.5°	44662.3	44651.4	44657.6	44629.7	44626.5	44587.0	44568.2	44512.5	44477.5	44406.9	44358.7
10°	44460.0	44492.6	44501.0	44534.2	44541.1	44574.0	44580.8	44613.7	44620.7	44645.0	44645.3
12.5°	42436.4	42547.0	42573.5	42710.2	42767.6	42924.0	43007.9	43180.2	43282.5	43454.4	43560.0
15°	38537.9	38729.4	38805.7	39072.5	39220.2	39531.7	39727.4	40085.2	40337.7	40717.6	40988.6
17.5°	33172.5	33440.0	33560.7	33922.6	34158.7	34618.4	34949.9	35495.4	35913.0	36519.2	36999.7
20°	27222.6	27519.9	27683.8	28096.6	28375.2	28912.5	29326.2	29996.5	30555.6	31323.6	31980.6
22.5°	21466.6	21749.5	21931.4	22351.4	22665.1	23225.4	23687.8	24395.4	25021.7	25887.2	26674.8
25°	16482.2	16741.5	16906.0	17285.9	17580.5	18095.4	18536.9	19217.4	19830.3	20698.4	21506.0
27.5°	12600.5	12817.6	12976.1	13300.1	13559.8	13996.6	14375.9	14938.3	15466.3	16217.4	16936.5
30°	9646.8	9839.2	9993.4	10275.6	10516.4	10895.0	11228.5	11700.9	12137.9	12735.6	13307.7
32.5°	7371.7	7537.4	7674.8	7921.8	8140.3	8481.2	8781.7	9195.8	9570.8	10077.7	10548.4
35°	5620.6	5946.8	5923.6	6264.2	6319.0	6563.7	6831.7	7193.7	7525.9	7957.0	8357.5
37.5°	4362.6	4454.2	4552.5	4703.0	4861.3	5083.9	5310.3	5752.7	5914.8	6240.6	6572.2
40°	3518.0	3579.9	3644.8	3746.5	3857.3	4014.1	4179.1	4390.1	4606.3	4870.4	5140.2
42.5°	2974.1	3009.2	3050.5	3110.3	3178.5	3278.0	3388.3	3531.4	3681.8	3867.7	4057.4
45°	2657.2	2640.5	2652.8	2684.9	2726.1	2786.5	2856.1	2944.8	3042.7	3163.1	3291.3
47.5°	2361.8	2368.5	2372.1	2389.6	2411.6	2452.1	2494.4	2554.5	2670.7	2706.0	2776.0
50°	2166.6	2169.9	2168.8	2177.7	2188.8	2215.2	2242.6	2283.3	2324.0	2377.8	2429.2
52.5°	2003.1	2007.6	2007.1	2012.9	2018.9	2035.5	2052.8	2081.6	2108.3	2142.5	2172.1
55°	1874.0	1880.2	1882.7	1887.6	1890.5	1899.2	1906.1	1919.9	1931.2	1950.6	1968.5
57.5°	1774.6	1783.3	1787.2	1788.9	1785.4	1784.9	1782.6	1785.5	1787.8	1798.2	1808.3
60°	1696.5	1703.3	1704.4	1703.3	1696.9	1692.4	1685.0	1682.6	1681.5	1686.5	1692.0
62.5°	1614.6	1617.1	1615.4	1613.4	1606.0	1601.6	1594.0	1591.2	1588.5	1592.1	1595.1
65°	1501.4	1503.5	1501.4	1500.1	1493.5	1490.1	1483.7	1481.4	1477.8	1478.8	1478.1
67.5°	1409.4	1411.6	1409.9	1408.2	1403.6	1401.4	1396.7	1393.7	1389.2	1387.5	1384.5
70°	1317.7	1319.4	1316.8	1315.1	1310.0	1307.9	1303.6	1302.6	1299.1	1298.3	1294.8
72.5°	1212.3	1212.5	1208.8	1207.8	1203.9	1203.8	1201.9	1203.6	1203.5	1205.3	1204.6
75°	1104.5	1103.0	1098.3	1097.5	1094.7	1096.0	1094.1	1096.6	1097.0	1100.9	1101.4
77.5°	996.4	990.8	982.0	977.9	972.1	971.3	968.0	970.3	969.5	974.1	975.9
80°	859.9	853.1	841.9	836.5	829.7	828.6	825.5	828.6	827.1	832.4	836.2
82.5°	686.5	680.6	669.0	664.7	656.8	657.5	654.1	657.5	657.0	665.0	669.6
85°	507.9	503.9	491.9	481.4	469.6	462.7	456.0	454.7	452.8	456.0	458.8
87.5°	293.4	289.6	280.4	274.2	253.5	254.4	246.3	245.9	243.9	242.0	246.3
90°	51.2	56.9	55.9	61.0	60.8	66.7	66.8	72.5	71.9	77.5	77.8
92.5°	36.6	38.8	41.0	43.1	45.4	47.5	49.7	51.9	56.6	61.0	65.9
95°	49.8	52.4	54.9	57.4	59.9	62.5	65.0	67.5	74.3	81.2	88.0
97.5°	70.1	71.6	73.3	74.9	76.6	78.2	79.9	81.6	89.2	96.6	104.0
100°	89.5	90.8	92.1	93.6	94.9	96.2	97.6	98.9	113.4	127.7	142.0
102.5°	139.7	145.4	151.1	156.8	162.7	168.4	174.1	179.8	212.7	245.4	278.1
105°	258.4	274.0	289.8	305.5	321.1	336.7	352.4	368.0	420.4	472.8	525.4
107.5°	472.2	496.8	521.5	546.4	571.0	595.8	620.5	645.3	696.4	747.8	798.9
110°	718.3	742.1	765.5	789.2	812.6	836.3	859.9	883.7	914.6	945.2	976.1



TEST NUMBER: P1444702
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL30

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	894.8	906.2	917.8	929.4	940.9	952.6	964.2	975.9	991.4	1006.9	1022.4
115°	948.7	949.4	950.3	951.2	952.1	953.0	954.2	955.2	960.4	965.4	970.5
117.5°	904.7	898.4	892.4	886.1	880.2	874.3	868.5	862.6	861.9	861.2	860.8
120°	815.2	806.7	798.5	790.2	782.2	774.1	766.3	758.5	754.7	751.0	747.3
122.5°	707.8	699.5	691.4	683.2	675.3	667.6	659.9	652.2	649.8	647.4	645.1
125°	607.1	600.4	593.6	587.0	580.7	574.3	568.2	562.0	562.5	562.7	563.4
127.5°	526.8	522.7	518.7	515.0	511.5	507.9	504.6	501.1	503.6	506.1	508.6
130°	472.3	470.8	469.5	467.9	467.0	466.0	465.0	464.1	468.1	471.7	475.7
132.5°	441.6	441.6	441.8	442.0	442.6	443.2	444.1	444.6	449.0	453.1	457.5
135°	425.6	426.4	427.7	428.6	430.2	431.5	433.2	434.6	439.0	442.8	447.2
137.5°	420.1	421.2	422.8	424.1	426.0	427.6	429.5	431.3	434.8	438.1	441.6
140°	420.4	421.1	422.5	423.7	425.2	426.5	428.5	429.9	432.9	435.5	438.2
142.5°	421.2	421.8	423.0	424.3	425.7	426.9	428.5	429.8	432.0	434.0	436.5
145°	425.8	426.4	427.5	428.2	429.4	430.4	431.7	432.7	434.3	435.6	437.2
147.5°	427.4	427.8	428.6	429.4	430.3	431.1	431.8	432.6	433.9	434.8	435.9
150°	426.9	427.1	427.6	427.9	428.6	429.3	430.0	430.4	431.4	432.2	433.3
152.5°	422.8	422.9	423.4	423.7	424.4	424.8	425.3	425.8	426.8	427.4	428.4
155°	420.0	420.6	421.2	421.7	422.5	422.8	423.6	424.0	424.8	425.3	426.1
157.5°	419.6	419.9	420.7	421.1	421.8	422.2	422.8	423.3	424.1	424.5	425.2
160°	418.7	419.5	420.1	420.8	421.6	422.2	423.0	423.8	424.4	424.9	425.5
162.5°	421.2	421.9	422.5	422.9	423.6	424.2	424.6	425.3	426.2	426.7	427.7
165°	423.0	423.6	424.5	425.0	425.9	426.7	427.3	428.1	428.5	429.2	429.6
167.5°	427.3	427.7	428.7	429.3	430.1	430.7	431.5	432.1	432.7	433.0	433.6
170°	429.8	430.4	431.0	431.6	432.2	432.7	433.5	434.0	434.8	435.2	436.0
172.5°	434.8	435.3	435.8	436.0	436.5	437.2	437.6	438.0	438.6	439.1	439.6
175°	438.9	438.9	439.1	439.2	439.3	439.3	439.5	439.8	440.0	440.1	440.3
177.5°	440.9	441.1	441.3	441.4	441.6	441.7	441.9	442.1	442.1	442.1	442.1
180°	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0



TEST NUMBER: P1444702
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL30

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41723.7	41725.5	41691.9	41690.0	41658.4	41654.5	41623.8	41614.4	41589.5	41580.5	41555.1
5°	42989.5	42948.5	42853.8	42798.1	42704.5	42642.5	42541.2	42475.1	42377.3	42303.5	42205.2
7.5°	44269.8	44206.1	44099.8	44013.6	43883.7	43780.0	43628.0	43503.5	43338.9	43196.4	43023.5
10°	44645.3	44635.5	44608.4	44568.9	44508.5	44440.6	44337.1	44229.3	44084.9	43928.3	43736.0
12.5°	43721.4	43821.1	43957.2	44037.9	44135.9	44178.9	44219.1	44209.1	44182.6	44103.3	43992.2
15°	41381.0	41661.4	42032.6	42320.3	42651.3	42891.8	43157.4	43322.9	43488.0	43564.2	43610.9
17.5°	37658.1	38188.9	38854.5	39406.1	40042.5	40553.7	41114.0	41535.9	41969.7	42280.5	42561.5
20°	32876.0	33645.1	34586.4	35418.0	36385.0	37225.4	38146.2	38902.2	39681.8	40291.4	40868.4
22.5°	27688.9	28602.3	29740.4	30794.7	32041.3	33161.6	34425.7	35525.9	36674.6	37634.2	38562.1
25°	22588.4	23590.1	24834.5	26010.8	27422.6	28725.8	30224.9	31596.1	33080.7	34369.7	35643.1
27.5°	17930.9	18914.3	20184.7	21436.9	22929.8	24318.4	25924.6	27435.2	29125.7	30684.7	32279.4
30°	14102.8	14936.8	16076.1	17288.8	18761.2	20174.3	21798.0	23351.7	25110.3	26812.3	28608.6
32.5°	11173.2	11808.7	12704.3	13729.7	15088.3	16433.5	17979.5	19479.3	21211.2	22930.5	24798.7
35°	8873.5	9369.2	10052.1	10852.3	12002.8	13162.4	14529.8	15893.8	17509.5	19141.0	20956.8
37.5°	6997.3	7399.4	7934.2	8535.4	9458.2	10409.8	11531.1	12661.8	14065.7	15512.1	17157.7
40°	5464.1	5789.7	6206.1	6654.4	7351.2	8084.4	8951.6	9828.5	10956.4	12138.4	13500.4
42.5°	4292.4	4532.7	4826.8	5154.4	5804.5	6193.9	6781.8	7416.1	8245.3	9103.3	10127.4
45°	3447.2	3611.1	3815.1	4034.8	4336.6	4666.7	5069.5	5491.8	6279.5	6665.9	7288.6
47.5°	2878.8	2988.8	3118.5	3257.0	3435.0	3627.0	3865.9	4110.1	4425.9	4753.2	5137.0
50°	2496.0	2607.8	2652.3	2724.1	2827.1	2936.7	3071.4	3206.1	3375.5	3547.2	3744.7
52.5°	2211.8	2248.3	2296.7	2342.4	2406.2	2531.0	2571.4	2641.8	2736.8	2829.6	2933.5
55°	1994.8	2018.5	2050.1	2077.6	2116.2	2153.1	2206.3	2253.2	2316.4	2372.5	2441.4
57.5°	1825.9	1841.1	1862.9	1881.0	1906.0	1926.7	1957.9	1983.3	2019.8	2051.5	2093.2
60°	1703.2	1713.3	1728.0	1739.8	1755.6	1766.5	1782.0	1794.0	1813.2	1829.2	1852.5
62.5°	1603.0	1608.1	1617.8	1624.7	1634.8	1640.3	1648.6	1653.8	1664.3	1672.4	1685.4
65°	1482.7	1483.9	1490.3	1493.3	1501.2	1504.2	1510.8	1513.3	1522.1	1527.9	1539.4
67.5°	1384.1	1381.4	1381.5	1379.3	1380.4	1378.1	1378.7	1376.2	1379.8	1381.5	1390.3
70°	1294.2	1290.4	1289.1	1285.0	1283.8	1279.5	1278.3	1274.4	1274.0	1272.7	1275.8
72.5°	1206.5	1205.4	1205.7	1202.9	1202.5	1199.7	1199.7	1198.0	1199.9	1200.8	1204.8
75°	1105.6	1106.0	1108.0	1105.4	1106.2	1103.7	1104.6	1102.3	1103.5	1103.1	1107.1
77.5°	982.9	985.9	991.2	990.1	991.8	989.1	990.3	987.1	988.0	985.9	987.4
80°	845.0	851.0	858.3	858.0	861.0	859.1	861.7	858.7	859.9	856.3	855.3
82.5°	681.1	686.3	693.9	694.2	701.0	702.2	709.7	709.3	714.1	711.0	708.9
85°	465.6	469.1	475.9	479.5	486.5	490.8	497.9	500.8	495.7	505.1	497.6
87.5°	243.1	252.2	247.1	258.9	256.1	268.1	265.5	276.5	274.4	283.8	282.6
90°	85.1	86.0	93.6	95.0	104.1	106.4	111.0	108.1	112.5	109.8	114.2
92.5°	70.3	75.4	80.1	84.7	89.5	94.4	89.8	85.5	81.1	76.9	72.4
95°	94.9	101.9	108.7	115.6	122.4	129.3	121.9	114.7	107.4	100.0	92.6
97.5°	111.4	118.7	126.1	133.5	141.0	148.4	139.6	130.9	122.2	113.6	105.0
100°	156.2	170.7	184.9	199.2	213.6	227.9	211.6	195.4	179.3	163.0	146.8
102.5°	311.1	343.8	376.7	409.6	442.3	475.1	440.7	406.4	371.9	337.5	302.9
105°	577.9	630.5	683.0	735.4	787.9	840.7	784.8	729.0	673.1	617.4	561.3
107.5°	850.2	901.4	952.9	1004.0	1055.4	1106.8	1050.2	993.5	937.0	880.4	823.7
110°	1007.2	1037.9	1068.9	1099.9	1130.8	1162.0	1120.6	1079.4	1038.2	996.8	955.6



TEST NUMBER: P1444702
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL30

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	1038.0	1053.8	1069.3	1085.1	1100.7	1116.3	1087.0	1057.7	1028.2	999.0	969.3
115°	975.8	981.0	986.2	991.5	996.7	1001.9	982.2	962.5	942.9	923.2	903.2
117.5°	860.2	859.9	859.2	859.1	858.4	858.0	847.1	836.3	825.4	814.4	803.5
120°	743.6	740.0	736.3	732.7	729.0	725.1	720.9	716.6	712.0	707.6	702.9
122.5°	642.6	640.6	638.1	635.7	633.2	630.7	629.3	628.0	626.5	625.0	623.3
125°	563.7	564.2	564.5	565.1	565.2	565.7	565.1	564.6	564.0	563.6	562.9
127.5°	510.8	513.4	515.6	517.9	520.1	522.5	522.6	522.9	523.0	523.2	523.3
130°	479.3	483.4	486.9	490.4	493.9	497.8	497.5	497.6	497.5	497.4	497.3
132.5°	461.8	466.0	470.1	474.4	478.4	482.5	482.2	482.2	481.7	481.7	481.5
135°	451.1	455.2	458.9	463.2	466.8	470.7	470.3	469.9	469.4	469.2	468.7
137.5°	444.7	448.2	451.3	454.6	457.4	460.7	460.1	459.8	459.2	459.0	458.5
140°	440.8	443.4	445.9	448.6	451.1	453.7	452.9	452.3	451.5	450.9	450.0
142.5°	438.4	440.5	442.3	444.5	446.3	448.3	446.9	445.8	444.8	443.6	442.5
145°	438.6	440.1	441.5	442.9	443.8	445.4	443.9	442.5	440.8	439.6	438.1
147.5°	436.8	437.9	438.5	439.6	440.0	441.2	439.6	438.3	436.8	435.2	433.7
150°	433.9	434.9	435.6	436.3	437.0	437.9	436.2	434.7	432.9	431.4	429.8
152.5°	429.1	429.8	430.5	431.1	431.8	432.4	430.7	429.5	427.7	426.1	424.5
155°	426.4	427.2	427.5	428.1	428.3	428.7	427.2	426.1	424.8	423.5	422.0
157.5°	425.6	426.2	426.7	426.9	427.3	427.7	426.8	425.9	424.6	423.8	422.7
160°	426.0	426.4	426.9	427.2	427.7	427.8	426.9	426.5	425.5	424.5	423.6
162.5°	428.1	428.8	429.3	429.8	430.4	430.9	429.9	429.1	428.0	427.0	425.8
165°	430.2	430.6	431.0	431.5	431.7	432.1	431.5	430.9	430.1	429.5	428.7
167.5°	434.0	434.6	434.9	435.3	435.5	435.8	435.1	434.7	433.9	433.2	432.4
170°	436.4	436.7	437.5	437.9	438.3	438.5	438.2	437.7	437.0	436.5	435.8
172.5°	440.0	440.5	440.7	441.1	441.3	441.7	441.2	440.6	440.0	439.4	438.7
175°	440.3	440.4	440.8	440.8	440.8	440.9	440.4	440.0	439.4	438.9	438.4
177.5°	442.1	442.1	442.1	442.0	442.0	442.0	441.6	441.3	441.0	440.7	440.1
180°	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0



TEST NUMBER: P1444702
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL30

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41546.0	41528.0	41516.3	41501.5	41492.4	41481.0	41472.6	41465.3	41459.5	41454.2	41450.2
5°	42130.2	42037.4	41965.3	41887.2	41823.1	41759.1	41709.9	41669.0	41640.9	41619.8	41607.2
7.5°	42874.0	42704.0	42552.9	42393.7	42251.1	42110.8	41989.9	41885.7	41807.5	41756.8	41726.1
10°	43538.2	43310.7	43085.6	42848.7	42624.2	42406.3	42205.2	42028.3	41888.3	41795.2	41741.0
12.5°	43836.0	43642.1	43412.3	43155.1	42879.8	42601.4	42329.9	42085.0	41879.5	41741.7	41662.2
15°	43573.8	43494.2	43338.2	43138.5	42877.3	42589.4	42270.7	41971.1	41695.5	41516.8	41413.2
17.5°	42720.7	42831.8	42819.9	42743.5	42555.7	42313.3	41988.5	41652.0	41307.3	41068.4	40938.0
20°	41281.1	41630.3	41807.5	41898.4	41824.6	41667.5	41373.4	41031.9	40630.1	40318.3	40127.9
22.5°	39258.2	39874.6	40258.8	40540.0	40599.6	40546.0	40286.4	39961.5	39513.6	39138.8	38857.7
25°	36653.9	37557.1	38164.3	38640.2	38825.2	38872.8	38651.9	38328.9	37829.7	37392.9	37006.9
27.5°	33586.4	34760.0	35570.7	36210.3	36499.0	36624.2	36420.9	36091.2	35500.6	34979.3	34475.0
30°	30133.1	31525.5	32501.5	33268.5	33620.4	33785.8	33569.7	33201.9	32514.6	31887.2	31251.9
32.5°	26436.9	27960.6	29024.1	29857.0	30205.7	30361.4	30078.7	29665.6	28871.1	28132.1	27391.2
35°	22567.0	24105.0	25177.5	25988.2	26280.5	26374.2	26012.9	25535.3	24655.1	23844.0	23036.1
37.5°	18618.3	20049.2	21024.0	21751.6	21932.5	21948.7	21513.2	20985.8	20060.6	19260.8	18456.7
40°	14703.8	15910.5	16697.5	17279.9	17342.6	17286.7	16813.2	16282.5	15417.0	14700.4	13994.5
42.5°	11016.5	11927.4	12489.0	12888.0	12864.3	12753.6	12319.6	11863.3	11149.3	10603.5	10048.0
45°	7857.5	8458.1	8786.5	9020.0	8945.0	8839.6	8501.7	8181.9	7696.7	7344.1	6970.8
47.5°	5458.8	6176.0	6051.1	6507.6	6114.3	6374.1	5833.0	5534.8	5277.2	5090.0	4879.0
50°	3908.0	4072.3	4151.7	4205.9	4177.1	4137.2	4040.0	3953.1	3835.5	3749.7	3649.8
52.5°	3018.0	3100.2	3145.2	3177.8	3171.4	3156.9	3114.4	3075.7	3020.6	2984.3	2940.6
55°	2556.4	2557.7	2640.4	2604.9	2657.4	2595.9	2620.0	2552.0	2563.0	2504.5	2465.2
57.5°	2124.3	2158.0	2173.1	2187.7	2183.6	2181.1	2164.7	2156.4	2137.9	2132.2	2119.0
60°	1868.6	1886.2	1889.8	1896.6	1890.9	1888.8	1875.9	1871.4	1858.9	1856.7	1848.0
62.5°	1693.3	1702.3	1702.3	1702.3	1694.9	1687.9	1673.6	1666.2	1655.6	1653.3	1648.3
65°	1546.9	1556.3	1557.8	1559.9	1554.5	1549.0	1536.4	1528.3	1517.4	1513.3	1507.5
67.5°	1396.0	1405.9	1409.2	1414.3	1411.2	1410.1	1401.6	1398.4	1391.2	1389.6	1384.1
70°	1277.4	1281.5	1281.2	1281.0	1274.3	1268.4	1258.4	1253.7	1246.2	1244.7	1239.8
72.5°	1206.8	1209.7	1207.9	1205.3	1196.5	1187.7	1176.0	1167.5	1157.7	1151.6	1144.7
75°	1107.5	1111.3	1108.8	1107.2	1099.4	1093.6	1084.2	1079.5	1072.7	1070.6	1065.9
77.5°	985.6	987.4	983.4	982.9	977.0	973.3	966.3	965.0	960.0	960.2	955.6
80°	849.9	848.7	842.3	841.1	835.2	833.7	828.1	828.4	824.4	826.1	822.9
82.5°	699.3	695.4	687.1	684.6	677.7	677.1	673.4	676.5	674.1	677.7	675.6
85°	501.1	502.2	498.5	498.5	496.5	497.2	496.8	499.1	499.4	502.8	502.7
87.5°	279.4	283.4	282.6	286.3	286.1	290.2	291.7	297.7	298.5	304.1	304.1
90°	111.5	116.5	113.6	118.8	117.7	123.8	123.8	129.8	129.0	134.1	132.2
92.5°	68.0	63.6	59.4	54.9	52.8	50.2	48.7	45.8	44.0	41.4	39.3
95°	85.2	77.9	70.5	63.1	60.6	57.9	55.3	52.8	50.3	47.9	45.3
97.5°	96.2	87.5	78.8	70.0	67.8	65.7	63.3	61.1	58.9	56.8	54.5
100°	130.5	114.2	98.1	81.6	79.8	78.0	76.1	74.2	72.4	70.4	68.5
102.5°	268.5	234.0	199.4	164.9	158.4	151.8	145.3	138.5	132.0	125.4	118.9
105°	505.5	449.5	393.5	337.5	319.7	301.9	284.1	266.3	248.4	230.7	212.9
107.5°	766.9	710.0	653.3	596.4	563.7	530.9	498.0	464.9	432.2	399.1	366.3
110°	914.3	872.9	831.3	789.7	763.6	737.1	710.6	684.0	657.7	631.0	604.5



TEST NUMBER: P1444702
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL30

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	939.8	910.2	880.7	850.9	839.0	827.0	815.1	803.1	791.2	778.9	767.0
115°	883.3	863.5	843.6	823.4	819.5	815.2	811.2	806.8	802.7	798.4	794.0
117.5°	792.6	781.4	770.3	759.2	760.0	760.8	761.7	762.4	763.0	763.4	764.2
120°	698.4	693.8	689.4	684.7	688.7	692.2	696.2	699.7	703.4	706.7	710.2
122.5°	621.7	620.1	618.5	616.7	621.5	626.1	630.7	635.1	639.5	643.5	647.7
125°	562.5	561.8	561.2	560.3	565.2	569.8	574.4	578.7	583.3	587.3	591.4
127.5°	523.5	523.6	523.8	523.7	527.5	530.6	534.1	537.1	540.4	543.1	546.0
130°	497.2	496.9	497.0	496.7	499.9	503.1	506.3	509.0	512.0	514.4	516.8
132.5°	481.3	480.9	480.8	480.4	483.0	485.2	487.7	489.5	491.6	493.1	494.8
135°	468.5	467.8	467.6	467.0	469.4	471.6	473.7	475.5	477.6	478.9	480.4
137.5°	458.1	457.6	457.2	456.5	458.8	460.7	462.7	464.3	466.0	467.4	468.7
140°	449.6	448.7	448.2	447.3	449.2	450.9	452.8	454.2	455.8	456.8	458.0
142.5°	441.3	439.9	439.2	437.6	439.2	440.4	441.7	442.8	444.0	444.8	445.5
145°	436.6	434.9	433.6	432.1	433.2	434.2	435.2	436.3	436.8	437.4	438.1
147.5°	432.4	430.7	429.2	427.6	428.7	429.4	430.0	430.4	431.3	431.7	431.9
150°	428.2	426.3	424.6	422.8	423.6	424.1	424.4	425.2	425.6	425.9	426.1
152.5°	422.8	421.2	419.5	417.7	418.1	418.5	418.7	419.0	419.4	419.5	419.6
155°	420.6	419.1	417.6	415.9	416.4	416.6	416.7	416.9	417.0	417.1	417.0
157.5°	421.5	419.9	419.1	417.6	417.6	417.7	417.7	417.2	417.1	416.9	416.6
160°	422.8	421.5	420.5	419.5	419.3	419.2	419.2	418.7	418.6	418.1	417.9
162.5°	424.6	423.5	422.1	420.9	420.7	420.7	420.6	420.2	420.0	419.5	419.3
165°	427.9	427.0	426.1	425.0	424.8	424.5	424.4	423.7	423.5	422.8	422.4
167.5°	431.5	430.7	429.6	428.5	428.5	428.5	428.5	428.2	427.9	427.5	427.4
170°	435.1	434.3	433.7	432.8	432.5	432.4	432.0	431.8	431.3	431.0	430.5
172.5°	437.9	437.2	436.4	435.4	435.4	435.2	435.0	434.8	434.3	434.1	433.9
175°	437.7	437.2	436.4	435.9	435.8	435.6	435.4	435.2	435.0	434.8	434.5
177.5°	439.8	439.5	438.8	438.4	438.4	438.4	438.2	438.0	438.0	437.9	437.7
180°	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0



TEST NUMBER: P1444702
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL30

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	41286.7	41286.7
2.5°	41446.5	41444.4
5°	41600.6	41598.2
7.5°	41717.9	41717.1
10°	41731.6	41738.8
12.5°	41648.4	41654.2
15°	41405.3	41416.6
17.5°	40940.4	40955.2
20°	40139.5	40155.0
22.5°	38842.5	38849.0
25°	36957.0	36930.2
27.5°	34386.4	34340.3
30°	31118.5	31073.9
32.5°	27222.3	27194.5
35°	22836.4	22818.9
37.5°	18219.0	18183.2
40°	13736.3	13631.9
42.5°	9804.7	9621.5
45°	6775.9	6558.8
47.5°	4730.3	4596.1
50°	3585.4	3542.1
52.5°	2921.5	2911.4
55°	2465.1	2460.6
57.5°	2122.0	2120.5
60°	1852.5	1852.1
62.5°	1651.6	1652.4
65°	1510.1	1510.4
67.5°	1385.5	1384.7
70°	1241.5	1240.5
72.5°	1142.4	1140.7
75°	1065.9	1064.8
77.5°	956.9	955.3
80°	825.0	822.9
82.5°	678.6	676.2
85°	506.2	506.3
87.5°	309.7	309.6
90°	137.0	134.2
92.5°	37.4	35.6
95°	42.8	40.3
97.5°	52.4	50.2
100°	66.7	64.9
102.5°	112.3	105.8
105°	195.2	177.3
107.5°	333.4	300.5
110°	578.0	551.5



TEST NUMBER: P1444702
CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL30

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	754.8	742.7
115°	789.4	785.0
117.5°	764.4	764.9
120°	713.2	716.6
122.5°	651.4	655.3
125°	595.2	599.0
127.5°	548.4	550.7
130°	518.6	520.8
132.5°	495.9	497.0
135°	481.3	482.3
137.5°	469.4	470.2
140°	458.5	459.2
142.5°	445.9	446.4
145°	438.4	438.6
147.5°	431.7	431.8
150°	426.1	426.1
152.5°	419.4	419.5
155°	416.7	416.6
157.5°	416.1	415.7
160°	417.2	417.0
162.5°	418.7	418.4
165°	421.6	421.0
167.5°	426.8	426.7
170°	430.1	429.8
172.5°	433.5	433.1
175°	434.3	434.2
177.5°	437.7	437.4
180°	440.0	440.0

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-5

Test Date: 08/01/2025

Luminaire Tested: EHBR-60-L930-N

Data in this report applies to families of products including EHBR-60-L930-N

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-5
 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-L930-N**
 Description: Elevate Round Highbay at, 60000 lumens, 3000K 90CRI LEDs with N lens

Spectral Parameters

CCT (K): 2996
 CIE u': 0.2519
 CIE v': 0.5169
 Duv: -0.0033
 CIE x: 0.4325
 CIE y: 0.3945
 CIE z: 0.1730
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 584
 Purity: 48.21818
 Rf: 91.3
 Rg: 102

CRI (Ra):	94.4		
R1:	96.8	R9:	61.4
R2:	98.1	R10:	94.4
R3:	97.8	R11:	95.7
R4:	95.6	R12:	88.5
R5:	96.9	R13:	97.3
R6:	95.7	R14:	97.8
R7:	90.9	R15:	92.3
R8:	83.0		



Test Conditions

Stabilization Time: 40M
 Operation Time: 1H 40M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-5

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: SP1-2506-472-5

CIE 1931 Chromaticity Diagram



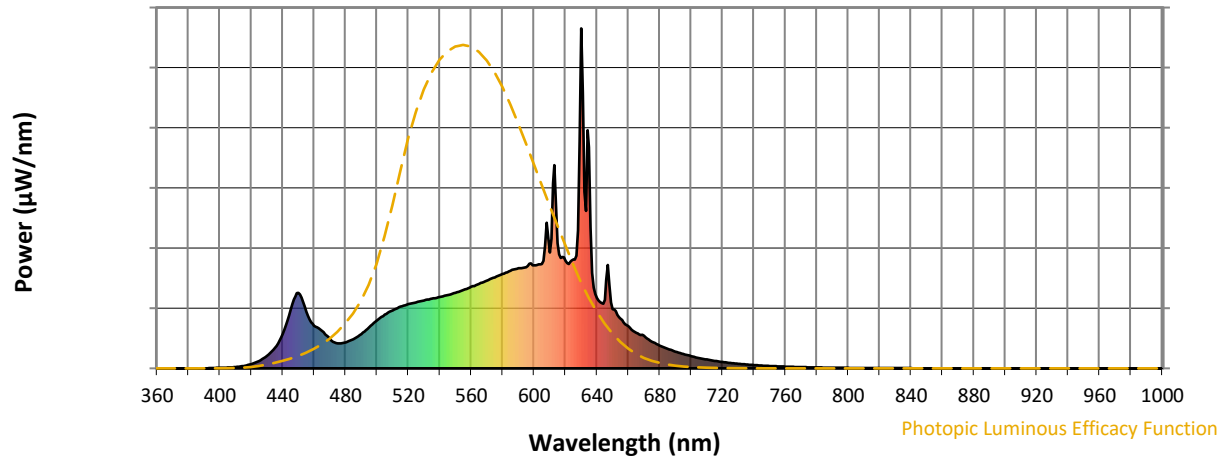
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 7-step quadrangle

REPORT NUMBER: SP1-2506-472-5

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	101	NR	620	317	NR	750	7	NR	880	0	NR
365	0	NR	495	121	NR	625	320	NR	755	6	NR	885	0	NR
370	0	NR	500	141	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	158	NR	635	651	NR	765	4	NR	895	0	NR
380	0	NR	510	171	NR	640	207	NR	770	4	NR	900	0	NR
385	0	NR	515	182	NR	645	201	NR	775	3	NR	905	0	NR
390	0	NR	520	189	NR	650	174	NR	780	3	NR	910	0	NR
395	1	NR	525	194	NR	655	146	NR	785	2	NR	915	0	NR
400	1	NR	530	199	NR	660	124	NR	790	2	NR	920	0	NR
405	3	NR	535	205	NR	665	105	NR	795	2	NR	925	0	NR
410	4	NR	540	210	NR	670	96	NR	800	1	NR	930	0	NR
415	7	NR	545	216	NR	675	79	NR	805	1	NR	935	0	NR
420	13	NR	550	222	NR	680	67	NR	810	1	NR	940	0	NR
425	22	NR	555	230	NR	685	58	NR	815	1	NR	945	0	NR
430	37	NR	560	240	NR	690	49	NR	820	1	NR	950	0	NR
435	60	NR	565	248	NR	695	42	NR	825	1	NR	955	0	NR
440	101	NR	570	258	NR	700	36	NR	830	1	NR	960	0	NR
445	172	NR	575	268	NR	705	30	NR	835	1	NR	965	0	NR
450	223	NR	580	278	NR	710	26	NR	840	1	NR	970	0	NR
455	167	NR	585	287	NR	715	22	NR	845	0	NR	975	0	NR
460	126	NR	590	295	NR	720	19	NR	850	0	NR	980	0	NR
465	111	NR	595	298	NR	725	16	NR	855	0	NR	985	0	NR
470	86	NR	600	303	NR	730	14	NR	860	0	NR	990	0	NR
475	74	NR	605	307	NR	735	12	NR	865	0	NR	995	0	NR
480	77	NR	610	341	NR	740	10	NR	870	0	NR	1000	0	NR
485	86	NR	615	368	NR	745	8	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-5

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.44

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	101	NR	620	317	NR	750	7	NR	880	0	NR
365	0	NR	495	121	NR	625	320	NR	755	6	NR	885	0	NR
370	0	NR	500	141	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	158	NR	635	651	NR	765	4	NR	895	0	NR
380	0	NR	510	171	NR	640	207	NR	770	4	NR	900	0	NR
385	0	NR	515	182	NR	645	201	NR	775	3	NR	905	0	NR
390	0	NR	520	189	NR	650	174	NR	780	3	NR	910	0	NR
395	1	NR	525	194	NR	655	146	NR	785	2	NR	915	0	NR
400	1	NR	530	199	NR	660	124	NR	790	2	NR	920	0	NR
405	3	NR	535	205	NR	665	105	NR	795	2	NR	925	0	NR
410	4	NR	540	210	NR	670	96	NR	800	1	NR	930	0	NR
415	7	NR	545	216	NR	675	79	NR	805	1	NR	935	0	NR
420	13	NR	550	222	NR	680	67	NR	810	1	NR	940	0	NR
425	22	NR	555	230	NR	685	58	NR	815	1	NR	945	0	NR
430	37	NR	560	240	NR	690	49	NR	820	1	NR	950	0	NR
435	60	NR	565	248	NR	695	42	NR	825	1	NR	955	0	NR
440	101	NR	570	258	NR	700	36	NR	830	1	NR	960	0	NR
445	172	NR	575	268	NR	705	30	NR	835	1	NR	965	0	NR
450	223	NR	580	278	NR	710	26	NR	840	1	NR	970	0	NR
455	167	NR	585	287	NR	715	22	NR	845	0	NR	975	0	NR
460	126	NR	590	295	NR	720	19	NR	850	0	NR	980	0	NR
465	111	NR	595	298	NR	725	16	NR	855	0	NR	985	0	NR
470	86	NR	600	303	NR	730	14	NR	860	0	NR	990	0	NR
475	74	NR	605	307	NR	735	12	NR	865	0	NR	995	0	NR
480	77	NR	610	341	NR	740	10	NR	870	0	NR	1000	0	NR
485	86	NR	615	368	NR	745	8	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-5

Melanopic Flux vs. Wavelength



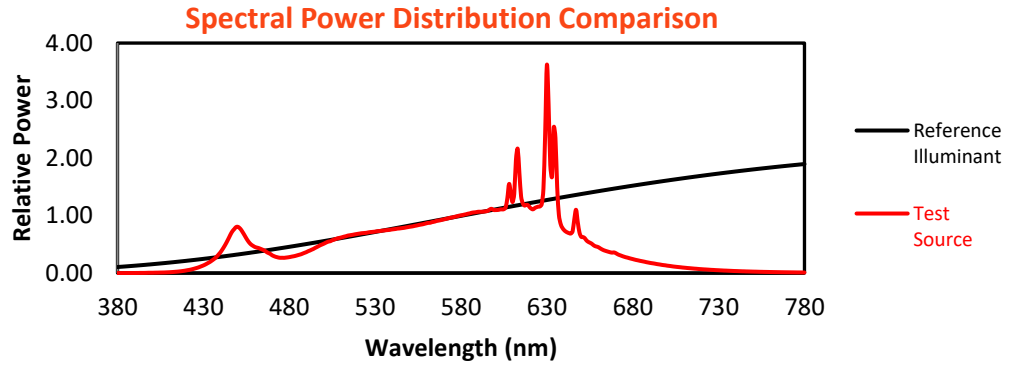
Melanopic Lumens: NR

M/P: 2.85

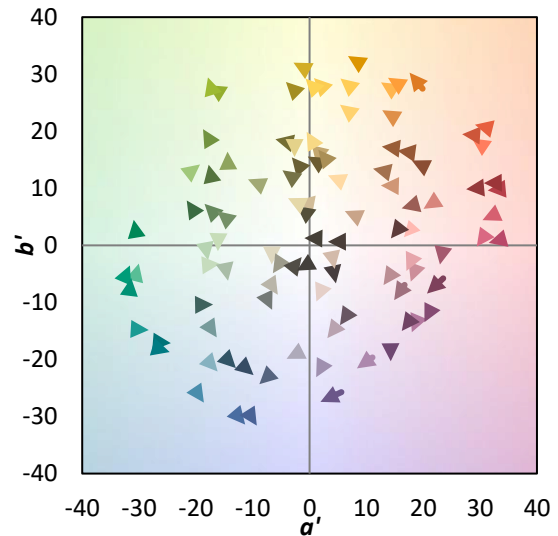
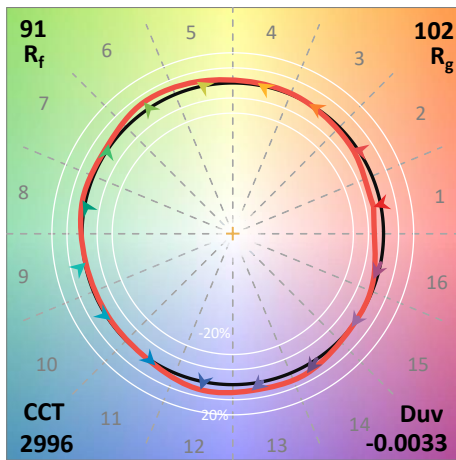
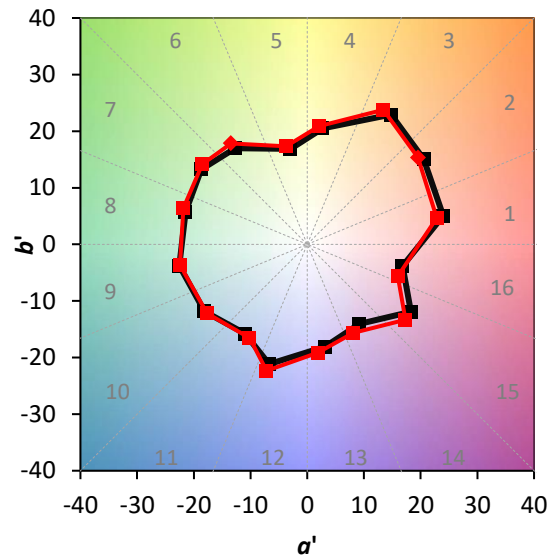
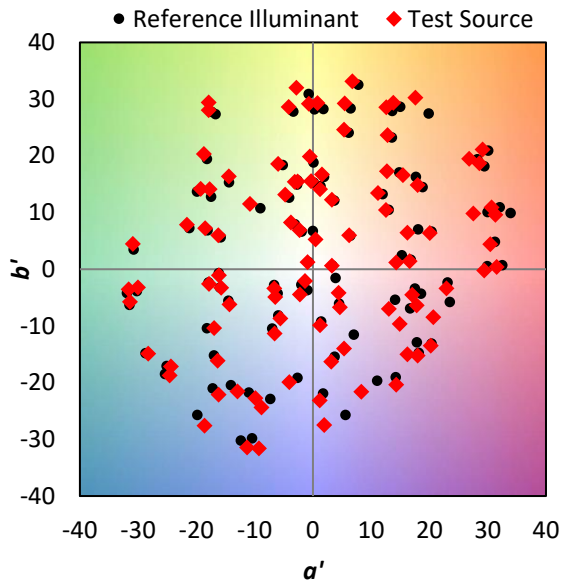
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	101	NR	620	317	NR	750	7	NR	880	0	NR
365	0	NR	495	121	NR	625	320	NR	755	6	NR	885	0	NR
370	0	NR	500	141	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	158	NR	635	651	NR	765	4	NR	895	0	NR
380	0	NR	510	171	NR	640	207	NR	770	4	NR	900	0	NR
385	0	NR	515	182	NR	645	201	NR	775	3	NR	905	0	NR
390	0	NR	520	189	NR	650	174	NR	780	3	NR	910	0	NR
395	1	NR	525	194	NR	655	146	NR	785	2	NR	915	0	NR
400	1	NR	530	199	NR	660	124	NR	790	2	NR	920	0	NR
405	3	NR	535	205	NR	665	105	NR	795	2	NR	925	0	NR
410	4	NR	540	210	NR	670	96	NR	800	1	NR	930	0	NR
415	7	NR	545	216	NR	675	79	NR	805	1	NR	935	0	NR
420	13	NR	550	222	NR	680	67	NR	810	1	NR	940	0	NR
425	22	NR	555	230	NR	685	58	NR	815	1	NR	945	0	NR
430	37	NR	560	240	NR	690	49	NR	820	1	NR	950	0	NR
435	60	NR	565	248	NR	695	42	NR	825	1	NR	955	0	NR
440	101	NR	570	258	NR	700	36	NR	830	1	NR	960	0	NR
445	172	NR	575	268	NR	705	30	NR	835	1	NR	965	0	NR
450	223	NR	580	278	NR	710	26	NR	840	1	NR	970	0	NR
455	167	NR	585	287	NR	715	22	NR	845	0	NR	975	0	NR
460	126	NR	590	295	NR	720	19	NR	850	0	NR	980	0	NR
465	111	NR	595	298	NR	725	16	NR	855	0	NR	985	0	NR
470	86	NR	600	303	NR	730	14	NR	860	0	NR	990	0	NR
475	74	NR	605	307	NR	735	12	NR	865	0	NR	995	0	NR
480	77	NR	610	341	NR	740	10	NR	870	0	NR	1000	0	NR
485	86	NR	615	368	NR	745	8	NR	875	0	NR			

Summary

$R_f = 91.3$
 $R_g = 102$
 $CIE R_a = 94.4$
 $R_9 = 61.4$



Color Vector Graphics

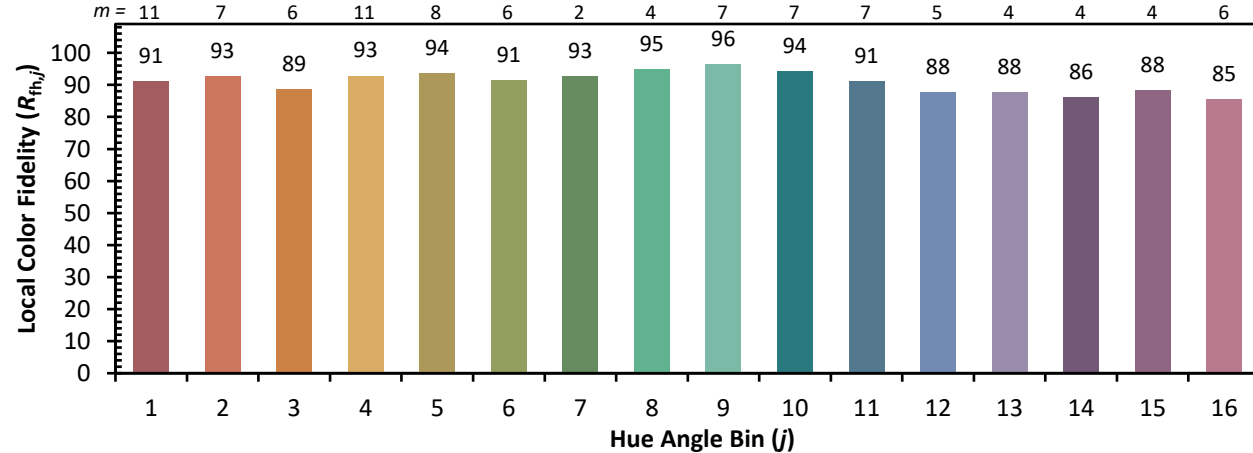


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 91	CES51 = 96	CES76 = 89
CES02 = 63	CES27 = 96	CES52 = 95	CES77 = 85
CES03 = 32	CES28 = 96	CES53 = 93	CES78 = 86
CES04 = 70	CES29 = 90	CES54 = 98	CES79 = 89
CES05 = 51	CES30 = 96	CES55 = 98	CES80 = 91
CES06 = 51	CES31 = 90	CES56 = 95	CES81 = 72
CES07 = 44	CES32 = 84	CES57 = 95	CES82 = 95
CES08 = 42	CES33 = 91	CES58 = 95	CES83 = 93
CES09 = 29	CES34 = 92	CES59 = 99	CES84 = 96
CES10 = 76	CES35 = 96	CES60 = 96	CES85 = 80
CES11 = 59	CES36 = 90	CES61 = 96	CES86 = 77
CES12 = 65	CES37 = 94	CES62 = 95	CES87 = 91
CES13 = 44	CES38 = 99	CES63 = 94	CES88 = 96
CES14 = 74	CES39 = 97	CES64 = 96	CES89 = 82
CES15 = 72	CES40 = 94	CES65 = 92	CES90 = 97
CES16 = 48	CES41 = 94	CES66 = 95	CES91 = 82
CES17 = 50	CES42 = 91	CES67 = 94	CES92 = 78
CES18 = 57	CES43 = 88	CES68 = 93	CES93 = 87
CES19 = 72	CES44 = 99	CES69 = 94	CES94 = 73
CES20 = 67	CES45 = 93	CES70 = 90	CES95 = 85
CES21 = 86	CES46 = 93	CES71 = 90	CES96 = 92
CES22 = 79	CES47 = 86	CES72 = 96	CES97 = 93
CES23 = 92	CES48 = 95	CES73 = 85	CES98 = 94
CES24 = 91	CES49 = 91	CES74 = 90	CES99 = 93
CES25 = 72	CES50 = 96	CES75 = 90	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)