

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: P1444847

Luminaire Tested: EHBR1-54-UNV-TA-L940-UPL36

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444847
REPORT IS A COMBINATION OF REPORTS P1444352 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-54-UNV-TA-L940-UPL36
Description: Elevate Round Highbay at, 54000 lumens, 4000K 90CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

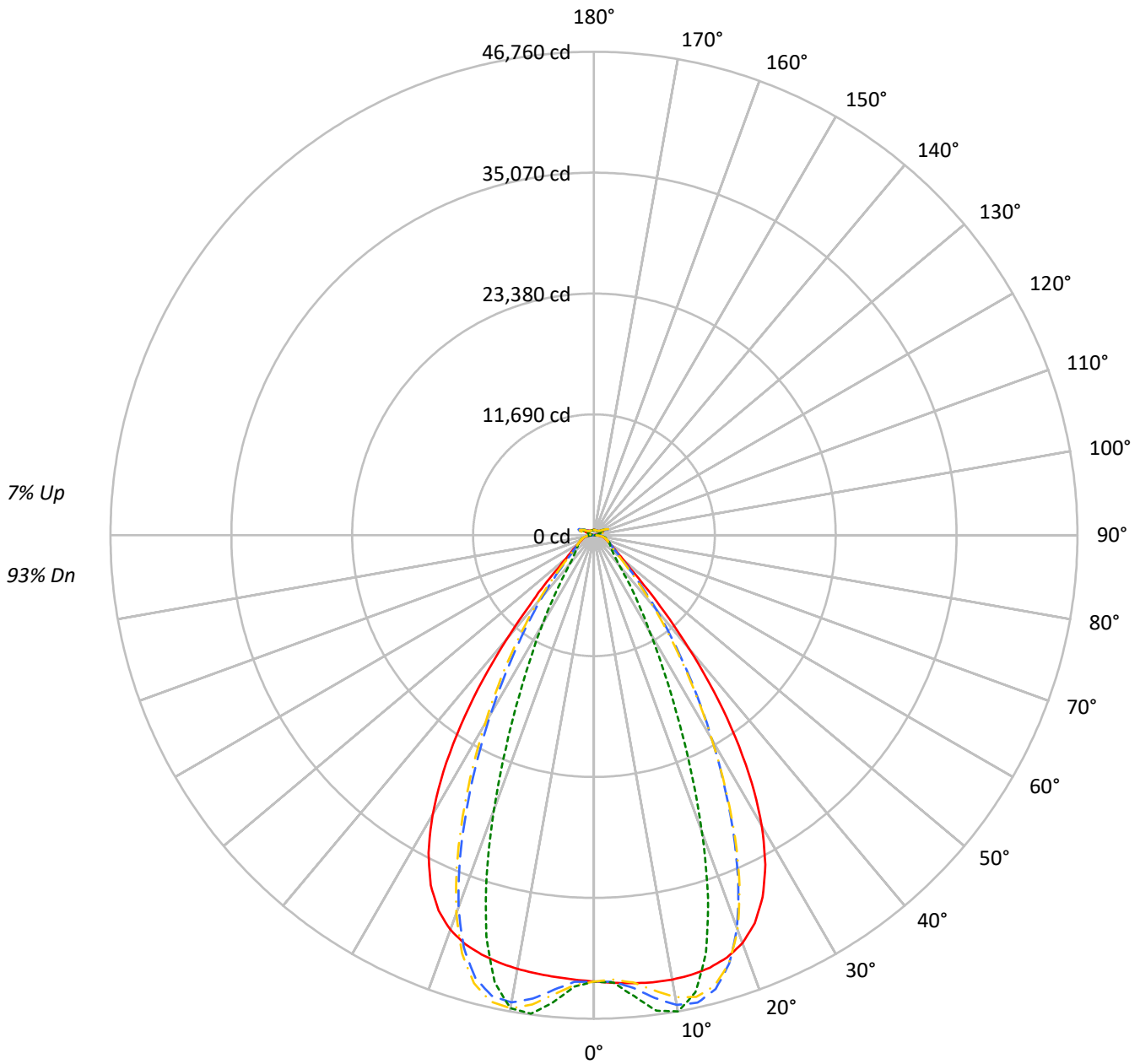
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 53402.9 lumens
Efficiency: N/A
Efficacy: 164.6 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 0.77 / 0.88
Luminous Opening: Vertical Cylinder (Dia: 1.71' x H: 0.1')
CIE Type: Direct

Input Watts (W): 324.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1444847
CATALOG NUMBER: EHBR1-54-UNV-TA-L940-UPL36

Luminous Intensity Polar Plot



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



TEST NUMBER: P1444847
 CATALOG NUMBER: EHBR1-54-UNV-TA-L940-UPL36

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93
1	110	107	104	101	107	104	101	99	99	96	94	94	92	90	89	88	86	86	86	86	84
2	103	97	93	88	100	95	91	87	91	87	84	87	84	81	83	80	78	78	78	78	76
3	97	89	84	79	94	87	82	78	84	79	76	80	77	74	77	74	71	71	71	71	69
4	91	82	76	71	89	81	75	70	78	73	69	75	71	67	72	69	66	66	66	66	64
5	86	76	70	65	84	75	69	64	72	67	63	70	65	62	67	64	60	60	60	60	59
6	81	71	64	59	79	70	63	59	67	62	58	65	61	57	63	59	56	56	56	56	54
7	77	66	59	55	75	65	59	54	63	58	53	61	56	53	60	55	52	52	52	52	50
8	72	62	55	51	71	61	55	50	59	54	50	58	53	49	56	52	48	48	48	48	47
9	69	58	52	47	67	57	51	47	56	50	46	54	49	46	53	49	45	45	45	45	44
10	65	55	48	44	64	54	48	44	53	47	43	51	46	43	50	46	42	42	42	42	41

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	202699	202699	202699	202699
5°	203680	209620	200830	212366
10°	205381	220085	200455	218628
15°	206388	199505	200105	191472
20°	204254	148624	197569	137513
25°	193335	93996	186945	85285
30°	168893	56485	162351	51622
35°	129981	35444	122504	31397
40°	82225	22234	75228	20893
45°	42380	17321	41678	17037
50°	24847	15407	24085	15167
55°	19036	14577	18331	14445
60°	16106	14891	15421	14698
65°	15128	15549	14549	15020
70°	14780	16282	14043	15669
75°	15803	17268	14948	16505
80°	16353	19121	14827	17454
85°	15403	18449	12444	15799

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 64857 cd/sqm



TEST NUMBER: P1444847
 CATALOG NUMBER: EHBR1-54-UNV-TA-L940-UPL36

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4253.8	8.0
10°-20°	11966.5	22.4
20°-30°	13628.9	25.5
30°-40°	9795.8	18.3
40°-50°	4517.8	8.5
50°-60°	2162.0	4.0
60°-70°	1577.5	3.0
70°-80°	1198.4	2.2
80°-90°	551.2	1.0
90°-100°	108.0	0.2
100°-110°	610.7	1.1
110°-120°	1128.0	2.1
120°-130°	692.7	1.3
130°-140°	448.6	0.8
140°-150°	335.4	0.6
150°-160°	235.5	0.4
160°-170°	142.9	0.3
170°-180°	49.1	0.1
0°-30°	29849.2	55.9
0°-40°	39645.1	74.2
0°-60°	46324.9	86.7
0°-90°	49652.0	93.0
90°-120°	1846.7	3.5
90°-150°	3323.5	6.2
90°-180°	3751.0	7.0
0°-180°	53402.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	43163	43163	43163	43163	43163	
5°	43489	44757	42880	45343	43489	4156
15°	43299	41855	41981	40170	43299	12200
25°	38609	18771	37333	17031	38609	17502
35°	23856	6505	22484	5762	23856	14641
45°	6857	2802	6743	2756	6857	5832
55°	2572	1970	2477	1952	2572	2375
65°	1579	1623	1519	1568	1579	1577
75°	1113	1216	1053	1163	1113	1158
85°	529	634	428	543	529	497
90°	145	183	43	52	145	90
95°	49	55	50	55	49	47
105°	221	284	149	285	221	292
115°	985	1192	1032	1192	985	910
125°	745	777	842	779	745	678
135°	591	520	636	525	591	461
145°	530	510	563	517	530	334
155°	498	498	529	503	498	232
165°	498	497	516	500	498	142
175°	512	516	521	517	512	49
180°	518	518	518	518	518	



TEST NUMBER: P1444847
 CATALOG NUMBER: EHBR1-54-UNV-TA-L940-UPL36

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3
2.5°	43328.2	43324.7	43324.1	43321.1	43320.2	43320.2	43318.8	43315.3	43313.0	43308.1	43302.5
5°	43489.0	43487.1	43488.2	43488.6	43485.5	43478.8	43468.3	43455.3	43438.9	43423.6	43409.8
7.5°	43613.3	43616.4	43620.2	43619.4	43610.0	43594.1	43572.5	43560.4	43567.6	43591.0	43644.8
10°	43636.0	43654.6	43661.8	43659.5	43640.7	43627.1	43632.3	43678.1	43769.1	43890.6	44056.6
12.5°	43547.5	43570.3	43569.4	43562.0	43543.7	43562.3	43628.5	43764.6	43959.8	44199.3	44480.2
15°	43299.2	43328.6	43320.2	43310.5	43298.3	43359.3	43491.5	43728.0	44029.4	44367.1	44712.7
17.5°	42816.8	42852.3	42835.1	42824.0	42813.8	42928.0	43155.3	43501.5	43881.1	44263.1	44590.7
20°	41980.2	42004.0	41962.9	41943.5	41959.9	42183.7	42518.4	42960.6	43360.7	43721.9	43945.9
22.5°	40614.9	40644.4	40567.2	40558.3	40653.6	40997.3	41421.0	41915.2	42291.2	42577.5	42663.8
25°	38608.9	38638.0	38546.2	38601.1	38763.3	39231.4	39736.0	40264.7	40585.5	40797.5	40739.0
27.5°	35901.2	35927.8	35840.8	35952.8	36209.2	36824.4	37418.2	37991.7	38277.6	38426.2	38237.9
30°	32486.4	32541.5	32438.7	32595.0	32986.4	33785.2	34465.5	35108.6	35393.7	35506.8	35213.7
32.5°	28430.6	28509.1	28395.7	28628.3	29174.4	30133.9	30906.7	31625.3	31940.5	32069.7	31738.6
35°	23856.1	23968.7	23838.7	24187.7	24861.3	25929.7	26785.6	27587.8	27961.2	28144.2	27810.6
37.5°	19009.7	19117.0	19046.7	19512.3	20252.0	21359.5	22233.1	23098.5	23520.1	23794.8	23531.9
40°	14251.6	14349.8	14403.1	14935.6	15631.3	16675.2	17514.1	18370.5	18842.2	19187.0	19024.8
42.5°	10058.8	10157.8	10338.9	10852.7	11433.0	12297.0	13015.6	13784.4	14235.1	14602.9	14540.3
45°	6856.9	6971.9	7198.7	7619.5	8039.1	8658.9	9186.7	9784.6	10152.7	10489.6	10493.6
47.5°	4805.0	4885.7	5088.5	5375.8	5649.3	6425.3	6457.1	6751.0	6998.4	7250.3	7282.9
50°	3703.1	3751.7	3859.2	4019.4	4174.3	4375.8	4560.2	4773.1	4925.4	5063.5	5096.5
52.5°	3043.7	3074.6	3129.3	3216.0	3305.9	3415.5	3514.2	3631.1	3714.0	3787.9	3803.4
55°	2572.5	2598.1	2679.5	2695.9	2798.8	2818.6	2862.5	2933.7	2981.8	3026.1	3037.2
57.5°	2216.9	2235.4	2252.7	2289.6	2321.3	2367.4	2404.5	2455.5	2485.9	2517.9	2520.7
60°	1936.2	1949.7	1962.0	1987.6	2009.2	2041.2	2066.8	2101.5	2123.2	2147.3	2150.0
62.5°	1727.5	1737.1	1745.3	1762.2	1777.6	1802.2	1822.5	1851.5	1871.8	1890.3	1894.5
65°	1579.0	1586.1	1591.3	1604.2	1617.6	1638.6	1656.9	1680.6	1695.5	1709.8	1712.7
67.5°	1447.6	1454.3	1459.7	1471.3	1480.7	1496.3	1508.7	1526.4	1537.6	1549.0	1549.3
70°	1296.9	1303.1	1307.3	1318.2	1325.6	1339.1	1349.0	1365.0	1376.5	1389.2	1392.3
72.5°	1192.6	1196.2	1201.8	1211.8	1222.1	1236.6	1249.8	1266.5	1280.4	1293.5	1299.1
75°	1113.2	1117.5	1121.2	1129.7	1136.9	1149.1	1159.0	1174.2	1186.4	1200.4	1207.3
77.5°	998.7	1003.7	1006.8	1015.3	1021.5	1033.2	1040.6	1054.2	1064.1	1076.9	1083.1
80°	860.3	864.9	867.2	875.2	880.1	890.8	898.1	911.1	919.5	932.3	939.8
82.5°	706.9	711.4	712.6	720.2	722.9	731.7	736.9	750.4	760.7	777.3	788.8
85°	529.4	530.9	533.5	531.6	542.3	543.0	555.1	557.3	573.3	577.5	595.7
87.5°	323.7	328.4	330.8	338.2	341.4	348.7	351.0	358.8	363.2	372.1	376.3
90°	144.6	152.5	155.5	164.7	167.5	175.8	178.1	187.4	190.3	199.8	204.3
92.5°	43.4	46.2	48.8	52.1	54.8	58.5	61.7	64.8	67.6	71.3	77.0
95°	49.3	52.5	55.6	58.8	62.0	65.2	68.4	71.6	74.7	77.9	87.0
97.5°	61.7	64.5	67.2	70.0	72.7	75.5	78.2	81.0	83.7	86.4	97.4
100°	79.9	82.3	84.6	86.9	89.3	91.6	93.9	96.2	98.6	100.9	121.3
102.5°	131.3	139.6	147.8	156.1	164.2	172.4	180.7	188.8	197.0	205.3	248.7
105°	221.0	243.3	265.9	288.2	310.6	333.1	355.5	377.6	400.0	422.4	493.1
107.5°	376.0	417.3	458.8	500.3	541.8	583.2	624.8	666.0	707.4	748.6	820.3
110°	692.0	725.1	758.5	791.9	825.2	858.7	892.0	924.9	958.4	991.6	1043.9



TEST NUMBER: P1444847
 CATALOG NUMBER: EHBR1-54-UNV-TA-L940-UPL36

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	932.5	947.5	962.5	977.7	992.7	1007.5	1022.5	1037.5	1052.5	1067.3	1104.7
115°	984.9	990.1	995.5	1000.5	1005.8	1010.9	1016.1	1021.1	1026.3	1031.1	1056.4
117.5°	958.3	957.2	956.1	955.3	954.0	952.9	951.8	950.6	949.3	947.9	962.1
120°	896.1	891.3	886.6	881.7	876.9	871.9	867.2	862.1	857.0	851.9	858.0
122.5°	817.1	811.5	806.1	800.1	794.3	788.3	782.6	776.2	770.5	764.5	766.5
125°	744.7	738.7	733.4	727.3	721.3	715.2	709.3	703.0	697.0	690.6	691.6
127.5°	682.1	678.1	674.0	669.5	665.1	660.6	656.1	651.4	647.0	642.1	642.1
130°	642.6	638.9	635.1	631.1	627.2	622.9	618.6	614.3	610.2	605.7	605.8
132.5°	610.9	608.4	605.6	602.6	599.5	596.1	593.0	589.4	586.2	582.8	583.1
135°	590.6	588.0	585.6	582.7	579.9	576.7	573.5	570.2	567.1	563.6	564.2
137.5°	573.6	571.4	569.0	566.3	563.6	560.6	557.8	554.5	551.5	548.4	548.7
140°	558.3	556.2	554.0	551.4	549.0	546.4	543.5	540.6	537.7	534.8	535.6
142.5°	540.6	538.8	537.2	535.0	533.1	530.6	528.2	525.6	523.4	520.8	522.0
145°	529.5	528.1	526.7	524.9	522.9	520.8	518.8	516.4	514.5	512.2	513.6
147.5°	519.9	518.6	517.6	515.9	514.6	512.6	510.9	508.9	507.2	505.3	506.7
150°	511.5	510.4	509.3	507.9	506.4	504.7	503.1	501.3	499.6	497.8	499.2
152.5°	502.3	501.0	500.2	498.8	497.4	495.5	494.3	492.5	491.0	489.2	490.4
155°	497.7	496.4	495.3	494.0	492.7	491.1	489.6	488.0	486.7	484.9	485.9
157.5°	495.4	494.3	493.5	492.1	491.3	490.0	488.8	487.4	486.3	485.1	485.7
160°	495.7	494.7	493.8	492.5	491.3	490.0	489.1	487.7	486.9	485.6	486.0
162.5°	496.3	495.2	494.1	492.9	491.9	490.5	489.6	488.6	487.4	486.1	486.9
165°	498.3	497.8	496.9	496.1	495.4	494.5	493.8	492.7	492.0	491.0	491.4
167.5°	504.3	503.3	502.5	501.6	500.6	499.6	498.7	497.7	496.9	495.8	496.2
170°	507.2	506.3	505.9	505.4	504.8	504.1	503.6	503.0	502.3	501.7	502.1
172.5°	510.6	510.0	509.7	509.4	508.8	508.4	507.9	507.5	507.2	506.5	507.2
175°	511.5	511.0	510.9	510.5	510.3	509.9	509.8	509.4	509.4	509.0	509.3
177.5°	515.1	515.0	515.0	514.8	514.8	514.6	514.5	514.2	514.0	514.0	514.4
180°	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2



TEST NUMBER: P1444847
 CATALOG NUMBER: EHBR1-54-UNV-TA-L940-UPL36

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3
2.5°	43298.3	43293.0	43285.8	43276.7	43268.9	43259.8	43238.1	43231.8	43239.0	43243.8	43253.7
5°	43401.2	43404.2	43405.4	43425.0	43442.0	43484.4	43816.5	43948.4	44050.5	44115.3	44213.7
7.5°	43711.4	43811.2	43909.9	44042.7	44157.2	44311.9	44892.9	45140.2	45316.0	45442.4	45597.9
10°	44237.0	44454.9	44659.2	44898.5	45104.2	45339.8	45880.7	46121.6	46273.7	46384.4	46487.8
12.5°	44766.5	45068.7	45341.8	45608.1	45830.8	46035.0	46225.3	46309.6	46316.8	46320.3	46265.4
15°	45042.3	45331.2	45571.8	45747.9	45878.8	45936.6	45609.3	45437.5	45220.3	45041.5	44747.3
17.5°	44868.2	45041.5	45145.5	45135.2	45081.2	44900.1	43972.6	43462.5	42956.0	42499.6	41901.1
20°	44094.5	44081.2	43990.8	43734.7	43426.1	42946.3	41356.1	40438.7	39551.7	38772.7	37827.6
22.5°	42654.9	42428.4	42112.6	41560.4	40946.9	40108.6	37829.8	36480.4	35245.5	34154.7	32932.7
25°	40569.1	40103.1	39520.7	38644.0	37690.7	36467.9	33659.2	31980.7	30498.2	29212.3	27802.4
27.5°	37899.7	37197.8	36344.1	35130.9	33839.2	32272.7	29158.9	27306.4	25714.9	24336.4	22835.7
30°	34739.4	33826.5	32724.2	31218.3	29660.4	27883.6	24725.5	22849.3	21238.4	19820.1	18318.3
32.5°	31167.9	30098.7	28807.1	27116.8	25432.1	23605.3	20555.3	18739.2	17200.3	15835.9	14476.7
35°	27228.8	26082.2	24715.7	22991.8	21317.1	19541.0	16742.4	15104.9	13746.0	12539.9	11442.4
37.5°	23003.4	21877.6	20578.8	18954.0	17401.1	15791.6	13376.8	12004.6	10864.3	9863.3	9015.8
40°	18610.3	17625.0	16501.2	15096.6	13771.2	12430.9	10448.7	9359.4	8459.4	7696.0	7061.0
42.5°	14270.8	13507.3	12645.5	11535.4	10521.3	9500.6	7975.1	7168.0	6501.4	5951.9	5503.0
45°	10353.9	9843.2	9265.2	8493.5	7791.7	7079.9	5994.0	5426.9	4992.8	4638.5	4338.9
47.5°	7238.0	6941.7	6923.6	6210.4	5695.8	5260.5	4561.1	4202.8	3936.9	3722.1	3532.4
50°	5083.0	4939.7	4761.6	4507.1	4268.2	4022.3	3596.1	3379.5	3223.7	3093.6	2973.6
52.5°	3799.9	3725.5	3630.6	3495.6	3366.2	3227.9	2958.2	2820.3	2771.3	2650.2	2555.1
55°	3035.1	2992.4	2938.5	2859.1	2780.4	2748.9	2517.8	2415.4	2350.5	2302.7	2251.7
57.5°	2521.1	2489.3	2457.3	2403.6	2357.9	2302.7	2180.1	2127.6	2089.0	2060.9	2025.5
60°	2150.4	2131.4	2113.5	2081.9	2057.4	2027.6	1949.7	1920.1	1899.9	1882.9	1860.4
62.5°	1898.0	1888.3	1878.9	1862.2	1849.7	1833.6	1780.3	1766.0	1756.0	1747.5	1733.7
65°	1715.8	1708.8	1703.7	1692.4	1686.2	1676.8	1631.0	1621.4	1615.2	1612.1	1604.2
67.5°	1550.3	1542.9	1539.5	1531.5	1529.0	1523.1	1485.6	1480.4	1478.2	1479.3	1476.4
70°	1395.4	1392.3	1393.9	1392.7	1396.2	1397.3	1374.6	1374.5	1376.9	1381.6	1382.1
72.5°	1302.6	1302.6	1304.4	1305.1	1308.5	1310.2	1291.3	1290.3	1291.4	1295.0	1295.1
75°	1214.3	1215.8	1220.5	1222.1	1226.1	1227.0	1202.0	1199.1	1199.3	1202.7	1201.5
77.5°	1092.1	1097.4	1106.5	1111.3	1119.0	1120.4	1092.4	1089.1	1089.2	1092.5	1089.7
80°	953.4	963.5	978.0	988.1	999.9	1004.8	976.0	969.1	962.7	961.7	956.0
82.5°	806.1	818.4	835.9	844.9	857.6	860.5	812.3	803.2	797.8	798.2	792.9
85°	615.4	624.7	640.5	645.6	653.5	652.8	597.8	574.3	580.5	570.7	578.5
87.5°	386.0	391.5	401.4	402.7	406.3	405.5	350.2	339.3	336.1	336.2	332.2
90°	214.8	220.1	230.3	232.0	239.3	240.1	196.9	193.3	188.0	188.8	181.9
92.5°	83.0	88.5	94.6	100.2	106.1	112.0	112.6	116.9	111.4	105.2	99.9
95°	96.3	105.6	115.0	124.3	133.6	142.9	152.2	161.5	152.9	144.1	135.4
97.5°	108.4	119.3	130.2	141.2	152.2	163.2	174.2	185.2	175.9	166.2	156.9
100°	141.9	162.4	182.8	203.3	223.7	244.2	264.8	285.3	267.3	249.0	231.0
102.5°	292.1	335.8	379.3	422.7	466.1	509.8	553.6	597.2	555.7	514.2	472.6
105°	563.6	634.2	704.7	774.9	845.6	916.1	987.1	1057.7	991.5	925.2	859.0
107.5°	891.8	963.4	1034.7	1106.1	1177.8	1249.2	1321.5	1393.1	1328.4	1263.6	1199.0
110°	1096.0	1148.1	1200.3	1252.3	1304.4	1356.6	1409.7	1461.9	1423.0	1384.1	1345.2



TEST NUMBER: P1444847
 CATALOG NUMBER: EHBR1-54-UNV-TA-L940-UPL36

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	1141.6	1179.1	1216.3	1253.3	1290.3	1327.6	1366.2	1403.7	1384.1	1364.2	1344.8
115°	1081.3	1106.5	1131.4	1156.4	1181.3	1206.1	1232.9	1258.4	1251.9	1245.3	1239.0
117.5°	975.9	989.7	1003.7	1017.5	1031.1	1044.8	1061.1	1075.2	1076.0	1076.8	1077.8
120°	863.6	869.3	875.0	880.7	886.2	891.8	900.2	906.3	911.3	916.1	921.1
122.5°	768.5	770.5	772.3	774.3	776.2	777.9	783.0	785.7	788.9	792.2	795.5
125°	692.3	693.1	693.9	694.7	695.2	696.0	700.4	701.7	701.6	701.5	701.4
127.5°	642.0	641.9	641.7	641.6	641.2	641.1	644.7	645.3	642.6	640.2	637.4
130°	606.0	606.3	606.3	606.4	606.7	606.9	611.1	612.3	608.0	603.4	599.2
132.5°	583.3	583.8	583.8	584.4	584.7	584.9	589.6	591.0	586.3	581.1	576.2
135°	564.6	565.1	565.7	566.1	566.6	567.4	572.7	574.2	569.7	564.7	560.1
137.5°	549.1	549.7	550.2	551.0	551.4	552.1	558.0	559.7	556.1	551.9	548.3
140°	536.2	536.9	537.7	538.7	539.4	540.5	546.8	548.9	546.1	542.9	539.7
142.5°	522.9	524.4	525.6	527.2	528.4	530.1	537.5	540.1	537.8	535.3	533.1
145°	514.8	516.7	518.1	520.0	521.5	523.5	531.7	535.0	533.5	531.7	530.2
147.5°	507.7	509.2	510.6	512.2	513.8	515.9	524.5	527.7	526.8	525.7	524.6
150°	500.4	502.1	503.5	505.1	507.0	509.0	518.7	522.4	521.5	520.7	519.6
152.5°	491.6	493.0	494.4	495.9	497.4	499.3	510.9	514.8	514.2	513.1	512.4
155°	486.8	487.7	488.7	490.0	491.1	492.7	505.1	509.0	508.5	507.9	507.4
157.5°	486.2	486.8	487.3	488.0	488.8	489.8	502.7	506.8	506.2	505.7	505.2
160°	486.3	486.8	487.1	487.7	488.1	488.8	502.2	505.9	505.5	505.0	504.4
162.5°	487.3	488.4	488.9	489.5	490.2	491.3	504.7	509.0	508.1	507.5	506.7
165°	491.7	491.9	492.2	492.8	493.0	493.6	506.3	509.6	509.3	508.7	508.2
167.5°	496.5	497.0	497.3	497.9	498.3	499.1	510.9	514.2	513.9	513.2	512.9
170°	502.3	502.8	503.0	503.6	504.1	504.8	514.5	517.3	517.0	516.1	515.6
172.5°	507.6	508.2	508.8	509.3	509.9	510.5	518.9	521.5	521.2	520.6	519.9
175°	509.8	510.0	510.5	511.2	511.7	512.0	518.6	520.6	520.4	520.0	519.8
177.5°	514.7	515.0	515.4	515.9	516.2	516.7	520.6	521.8	521.7	521.7	521.5
180°	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2



TEST NUMBER: P1444847
 CATALOG NUMBER: EHBR1-54-UNV-TA-L940-UPL36

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3
2.5°	43255.9	43271.1	43273.4	43291.1	43289.7	43310.8	43307.5	43324.7	43314.6	43328.9	43316.9
5°	44271.9	44364.0	44412.2	44502.1	44530.6	44611.0	44633.7	44707.2	44710.2	44768.5	44755.1
7.5°	45708.2	45844.0	45924.7	46035.9	46092.1	46184.8	46225.6	46294.0	46316.1	46370.5	46374.7
10°	46566.0	46631.9	46678.0	46709.0	46737.3	46750.6	46766.1	46762.0	46766.1	46760.0	46773.4
12.5°	46228.6	46132.3	46068.7	45948.0	45878.1	45744.9	45679.4	45551.3	45504.7	45394.7	45378.9
15°	44520.0	44184.4	43947.3	43602.4	43385.7	43046.4	42847.9	42541.8	42402.0	42158.7	42094.9
17.5°	41405.8	40782.8	40300.7	39682.2	39253.0	38675.1	38311.6	37833.2	37571.1	37185.3	37051.7
20°	37039.7	36117.9	35394.8	34533.3	33916.8	33148.7	32656.9	32036.7	31676.6	31202.8	31010.7
22.5°	31913.9	30766.3	29863.1	28845.3	28101.5	27245.5	26656.3	25985.3	25593.5	25078.7	24850.8
25°	26630.6	25365.1	24360.9	23288.7	22502.8	21644.6	21055.4	20396.1	19990.8	19502.0	19275.6
27.5°	21577.7	20296.6	19326.2	18329.4	17608.4	16834.1	16302.4	15726.8	15367.0	14949.8	14736.8
30°	17118.5	15988.7	15162.9	14335.6	13735.8	13107.0	12665.2	12188.2	11872.5	11515.3	11312.3
32.5°	13485.7	12613.4	11966.8	11310.3	10819.5	10293.9	9912.1	9491.2	9206.3	8887.3	8703.5
35°	10680.5	10002.7	9486.9	8946.6	8524.8	8077.3	7740.9	7377.6	7122.0	6847.3	6688.6
37.5°	8438.7	7899.7	7475.3	7026.5	6680.1	6309.3	6184.4	5767.5	5502.6	5283.5	5131.6
40°	6622.7	6194.1	5843.0	5499.7	5217.2	4936.0	4710.3	4487.6	4316.6	4159.8	4051.4
42.5°	5171.8	4861.3	4604.8	4353.4	4147.3	3942.4	3778.9	3625.5	3510.3	3407.8	3337.9
45°	4111.4	3897.8	3719.6	3542.5	3397.1	3260.3	3150.3	3052.4	2978.0	2916.4	2872.7
47.5°	3377.6	3231.3	3105.6	2986.1	2887.4	2797.8	2724.1	2700.1	2620.2	2566.2	2545.7
50°	2870.5	2782.2	2686.7	2598.5	2532.6	2467.0	2419.2	2372.3	2342.4	2317.7	2310.1
52.5°	2492.0	2424.5	2371.4	2315.5	2272.0	2225.3	2192.3	2161.1	2144.7	2131.7	2130.1
55°	2210.6	2163.4	2128.3	2090.8	2064.7	2037.3	2020.3	2003.8	1996.6	1990.0	1990.5
57.5°	1997.7	1966.1	1943.3	1919.0	1904.9	1891.8	1887.4	1883.3	1885.6	1886.5	1890.2
60°	1842.5	1822.0	1807.7	1793.7	1787.8	1783.6	1786.8	1790.5	1798.1	1804.1	1809.5
62.5°	1723.6	1712.0	1704.9	1697.5	1696.8	1697.1	1703.5	1709.8	1719.2	1726.2	1731.5
65°	1601.3	1594.6	1592.4	1587.5	1589.9	1591.3	1599.1	1603.8	1613.2	1618.9	1625.6
67.5°	1477.6	1476.0	1477.5	1477.5	1481.8	1485.5	1492.9	1498.3	1506.3	1511.4	1516.8
70°	1386.3	1386.9	1390.3	1390.9	1395.6	1398.1	1404.5	1408.0	1415.3	1419.5	1426.2
72.5°	1297.5	1296.1	1296.9	1294.8	1296.4	1295.7	1299.3	1301.0	1307.1	1310.5	1318.5
75°	1202.9	1198.9	1198.0	1193.7	1193.8	1190.8	1192.2	1192.0	1196.0	1197.7	1203.4
77.5°	1088.7	1082.0	1078.8	1071.7	1071.5	1068.8	1071.7	1073.3	1080.4	1083.8	1090.3
80°	952.1	941.6	936.8	928.5	929.9	929.4	936.5	941.7	950.4	952.0	960.2
82.5°	791.3	780.6	775.5	767.4	769.3	769.4	775.9	777.0	784.4	787.7	797.3
85°	566.6	570.7	559.5	560.2	557.8	562.2	566.6	572.0	578.3	588.7	596.7
87.5°	333.7	332.2	336.2	336.7	342.5	345.5	354.8	360.1	370.5	378.6	393.3
90°	180.7	173.9	175.7	172.4	176.6	173.6	177.5	173.8	178.9	178.3	185.2
92.5°	93.4	87.9	81.5	75.9	69.7	64.4	60.9	58.8	55.4	53.4	49.9
95°	126.7	118.0	109.4	100.6	92.0	83.3	80.1	77.0	73.8	70.6	67.4
97.5°	147.6	138.3	128.9	119.5	110.2	100.9	98.8	96.7	94.6	92.4	90.4
100°	212.8	194.8	176.8	158.6	140.6	122.6	120.9	119.3	117.6	115.9	114.1
102.5°	431.4	389.9	348.6	307.2	265.9	224.4	217.3	210.1	202.8	195.6	188.5
105°	792.6	726.4	660.3	594.0	528.0	461.7	442.1	422.0	402.4	382.6	363.0
107.5°	1134.3	1069.7	1005.2	940.7	876.1	811.6	780.3	749.1	717.7	686.6	655.4
110°	1306.0	1267.1	1228.5	1189.3	1150.8	1112.0	1082.0	1052.4	1022.4	992.6	962.9



TEST NUMBER: P1444847
 CATALOG NUMBER: EHBR1-54-UNV-TA-L940-UPL36

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	1325.2	1305.6	1286.0	1266.5	1247.2	1227.6	1213.0	1198.5	1183.9	1169.4	1154.6
115°	1232.4	1226.0	1219.6	1213.5	1207.2	1200.9	1199.8	1198.7	1197.4	1196.4	1195.5
117.5°	1078.6	1079.4	1080.1	1081.3	1082.3	1083.3	1090.9	1098.3	1106.0	1113.9	1121.8
120°	926.0	930.8	935.7	940.9	945.8	950.9	960.9	971.2	981.4	992.1	1002.5
122.5°	798.7	802.0	805.1	808.7	811.9	815.4	825.3	835.4	845.5	855.8	866.2
125°	700.8	700.7	700.4	700.0	699.9	699.9	707.9	716.0	724.4	732.9	741.2
127.5°	634.7	631.9	629.1	626.5	623.7	621.3	625.7	630.5	635.1	640.0	645.0
130°	594.7	590.2	585.4	581.3	576.6	572.3	573.8	575.4	577.1	578.8	580.7
132.5°	571.0	566.0	560.8	555.5	550.4	545.3	544.7	544.3	543.6	543.5	543.5
135°	555.1	550.4	545.3	540.4	535.2	530.7	529.0	527.4	525.8	524.5	523.2
137.5°	544.3	540.3	536.3	532.4	528.1	524.3	521.9	520.1	518.0	516.5	514.5
140°	536.3	533.4	529.8	526.7	523.2	520.2	518.2	516.7	514.8	513.4	511.8
142.5°	530.5	528.1	525.5	523.1	520.6	518.2	516.3	514.8	513.1	511.8	510.1
145°	528.4	526.8	525.1	523.4	521.6	520.0	518.4	517.2	515.9	514.6	513.6
147.5°	523.5	522.3	521.2	520.0	518.6	517.4	516.3	515.8	514.5	513.8	512.9
150°	518.5	517.4	516.3	515.4	514.1	513.2	512.3	511.8	511.0	510.7	510.0
152.5°	511.3	510.4	509.3	508.6	507.3	506.3	505.7	505.3	504.8	504.3	503.6
155°	506.5	505.9	505.1	504.5	503.5	503.0	502.3	501.4	500.8	500.1	499.4
157.5°	504.6	503.9	503.1	502.6	501.7	501.0	500.4	499.7	499.0	498.4	497.7
160°	503.8	503.3	502.5	501.9	501.2	500.6	499.6	498.9	497.9	497.2	496.2
162.5°	505.9	505.0	504.4	503.5	502.4	501.8	500.9	500.4	499.7	499.1	498.2
165°	507.6	506.9	506.3	505.6	505.1	504.5	503.6	502.9	501.8	501.1	500.1
167.5°	512.2	511.8	511.1	510.6	509.9	509.2	508.6	507.7	506.8	506.0	504.9
170°	515.1	514.3	513.7	512.8	512.1	511.3	510.6	509.7	508.9	508.4	507.3
172.5°	519.4	519.0	518.4	517.8	517.0	516.4	515.9	515.2	514.5	513.8	513.2
175°	519.6	519.5	519.3	518.8	518.6	518.3	518.0	517.8	517.5	517.3	516.9
177.5°	521.5	521.3	521.3	521.1	520.9	520.9	520.5	520.3	520.0	519.6	519.4
180°	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2



TEST NUMBER: P1444847
 CATALOG NUMBER: EHBR1-54-UNV-TA-L940-UPL36

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3
2.5°	43329.3	43318.4	43323.6	43303.3	43308.1	43283.6	43281.4	43253.7	43251.0	43224.9	43215.1
5°	44796.4	44772.3	44799.5	44757.1	44765.4	44710.2	44705.6	44634.2	44609.6	44520.4	44481.8
7.5°	46408.7	46399.7	46416.3	46380.8	46379.6	46330.4	46310.1	46246.0	46206.4	46112.6	46052.8
10°	46762.0	46770.3	46756.7	46760.0	46740.8	46735.5	46715.9	46703.4	46671.3	46646.9	46611.2
12.5°	45295.2	45304.0	45248.1	45283.6	45255.5	45321.0	45315.7	45392.8	45404.7	45502.2	45539.2
15°	41905.3	41894.8	41787.5	41855.1	41818.8	41962.4	41994.6	42187.8	42291.2	42539.3	42691.7
17.5°	36784.4	36756.8	36605.6	36687.9	36646.0	36857.9	36928.8	37238.0	37430.7	37830.5	38115.4
20°	30680.0	30627.1	30450.2	30546.6	30503.4	30744.0	30845.4	31219.0	31467.5	31997.1	32373.8
22.5°	24499.8	24416.1	24242.9	24333.0	24292.2	24541.4	24673.3	25048.1	25332.9	25876.5	26316.3
25°	18950.0	18875.5	18708.0	18771.0	18755.8	18966.6	19084.1	19438.6	19718.4	20236.2	20655.9
27.5°	14453.6	14376.0	14224.7	14269.4	14254.0	14433.6	14544.3	14840.5	15081.2	15517.1	15885.7
30°	11062.2	10968.5	10840.3	10864.9	10854.3	10999.9	11103.3	11352.7	11559.0	11927.4	12244.9
32.5°	8479.1	8385.1	8267.1	8278.7	8263.1	8377.4	8462.5	8679.4	8859.2	9172.4	9448.8
35°	6487.7	6597.5	6345.8	6505.3	6339.2	6583.0	6495.3	6630.9	6785.5	7049.5	7280.0
37.5°	4987.5	4910.9	4846.0	4839.2	4838.9	4895.3	4962.0	5092.6	5228.9	5425.5	5628.6
40°	3952.3	3898.6	3856.6	3853.7	3856.6	3896.8	3946.1	4036.4	4136.1	4277.4	4426.6
42.5°	3278.1	3242.4	3217.2	3215.4	3223.4	3251.8	3286.1	3339.7	3404.6	3496.1	3598.5
45°	2837.2	2817.4	2803.3	2802.5	2806.2	2821.0	2840.7	2874.1	2915.3	2972.4	3037.2
47.5°	2527.8	2523.0	2514.2	2514.5	2510.5	2516.7	2518.9	2537.6	2559.5	2602.6	2687.1
50°	2302.6	2302.6	2296.5	2296.2	2290.5	2290.1	2285.3	2292.7	2302.9	2329.6	2356.7
52.5°	2124.5	2123.9	2117.4	2116.0	2110.0	2109.6	2105.5	2108.4	2109.8	2123.2	2139.4
55°	1985.3	1981.2	1972.6	1969.9	1967.4	1971.0	1969.4	1969.5	1967.7	1973.4	1978.2
57.5°	1885.6	1880.2	1872.0	1869.5	1868.9	1873.1	1873.3	1871.8	1864.3	1859.2	1851.9
60°	1806.6	1801.1	1792.3	1790.1	1791.4	1797.1	1796.8	1791.9	1780.7	1771.0	1759.7
62.5°	1728.9	1726.7	1722.2	1721.6	1720.5	1721.4	1717.4	1712.3	1701.3	1690.8	1678.5
65°	1624.8	1625.9	1622.6	1623.0	1619.0	1618.4	1612.3	1607.4	1596.2	1586.7	1574.1
67.5°	1516.6	1517.5	1514.8	1514.8	1512.6	1513.0	1509.3	1504.7	1495.2	1487.6	1477.8
70°	1427.6	1429.8	1428.2	1428.7	1426.2	1425.1	1419.4	1414.9	1405.2	1398.8	1389.9
72.5°	1320.9	1325.6	1325.5	1326.7	1322.8	1320.9	1314.0	1308.4	1299.6	1294.4	1287.4
75°	1205.6	1211.9	1213.7	1216.4	1211.0	1208.1	1200.5	1196.0	1188.9	1185.9	1181.2
77.5°	1093.2	1100.1	1106.7	1112.8	1103.9	1096.1	1086.7	1079.5	1069.2	1065.2	1058.1
80°	967.0	979.2	993.7	1005.9	990.1	974.0	958.6	947.0	933.4	927.8	918.9
82.5°	802.2	814.7	823.0	830.8	819.8	808.2	793.1	783.0	768.3	762.9	752.5
85°	609.5	625.0	630.0	634.1	627.1	620.8	606.8	587.7	578.5	563.9	556.4
87.5°	400.9	410.2	411.9	413.4	409.1	406.0	396.9	387.9	372.1	360.5	346.5
90°	183.1	187.5	182.2	182.8	179.0	181.2	173.7	172.4	161.0	157.8	147.9
92.5°	47.6	44.3	41.7	38.8	42.4	44.4	47.9	49.9	53.3	55.4	58.8
95°	64.2	61.0	57.9	54.7	57.2	59.8	62.3	64.8	67.5	70.0	72.5
97.5°	88.2	86.1	84.0	81.9	83.4	84.9	86.4	87.9	89.3	90.7	92.3
100°	112.4	110.8	109.1	107.4	107.4	107.4	107.4	107.4	107.4	107.4	107.4
102.5°	181.3	174.0	166.9	159.7	164.5	169.4	174.3	179.2	184.0	188.8	194.0
105°	343.2	323.6	303.8	284.2	303.3	322.3	341.4	360.4	379.5	398.7	417.8
107.5°	624.1	593.0	561.9	530.8	565.7	600.4	635.1	669.9	704.5	739.3	774.3
110°	933.3	903.6	874.0	844.4	881.2	918.0	954.8	991.7	1028.7	1065.6	1102.7



TEST NUMBER: P1444847
 CATALOG NUMBER: EHBR1-54-UNV-TA-L940-UPL36

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	1140.2	1125.8	1111.5	1097.0	1120.8	1144.4	1168.2	1192.2	1216.0	1239.8	1263.6
115°	1194.5	1193.6	1192.8	1191.9	1203.1	1214.4	1225.6	1237.0	1248.3	1259.6	1271.1
117.5°	1129.5	1137.4	1145.5	1153.5	1157.1	1160.6	1164.5	1168.1	1171.9	1175.7	1179.6
120°	1013.1	1023.4	1034.2	1045.0	1043.5	1042.0	1040.7	1039.3	1038.3	1037.0	1036.2
122.5°	876.8	887.2	898.0	908.6	905.5	902.3	899.3	896.3	893.5	890.7	888.0
125°	750.2	758.8	767.7	776.7	773.5	770.4	767.3	764.6	761.8	758.9	756.6
127.5°	650.4	655.7	661.0	666.5	665.0	663.5	662.5	661.2	660.3	659.4	658.8
130°	582.7	585.1	587.6	589.9	590.3	590.8	591.6	592.3	593.4	594.3	595.7
132.5°	543.9	543.9	544.5	544.8	546.5	548.2	550.4	552.4	554.9	557.0	560.1
135°	522.4	521.4	520.8	520.3	522.8	525.2	528.1	530.9	534.2	537.6	541.1
137.5°	513.3	511.9	511.0	509.7	512.2	514.7	517.6	520.5	523.6	526.9	530.7
140°	510.7	509.4	508.8	507.7	510.2	512.6	515.5	518.3	521.5	524.9	528.3
142.5°	509.1	507.7	507.0	506.2	508.2	510.5	513.3	515.9	518.8	521.6	524.9
145°	512.6	511.6	511.0	510.4	511.8	513.5	515.5	517.4	519.6	521.6	524.3
147.5°	512.2	511.6	511.3	510.7	512.0	513.2	514.5	515.9	517.6	519.2	521.2
150°	509.9	509.3	509.1	508.9	509.6	510.3	511.3	511.9	513.2	514.2	515.7
152.5°	503.5	502.8	503.0	502.7	503.2	503.8	504.7	505.4	506.3	507.2	508.6
155°	499.0	498.5	498.1	497.6	497.7	497.8	498.2	498.3	498.9	499.2	499.7
157.5°	497.3	496.8	496.4	495.7	495.6	495.4	495.4	495.4	495.6	495.3	495.4
160°	495.7	494.6	494.0	493.3	493.4	493.1	493.5	493.2	493.5	493.6	493.9
162.5°	497.8	497.1	496.7	496.0	495.7	495.1	494.7	494.1	493.8	493.5	493.3
165°	499.3	498.4	497.7	496.8	496.6	496.3	496.1	495.8	495.7	495.4	495.5
167.5°	504.4	503.4	502.6	501.8	501.3	500.5	500.0	499.4	498.9	498.3	498.1
170°	506.8	506.0	505.4	504.8	504.4	503.9	503.7	503.3	503.1	503.0	503.0
172.5°	512.8	512.0	511.5	511.0	510.6	510.4	510.2	510.0	509.7	509.7	509.5
175°	516.7	516.4	516.2	515.9	515.6	515.4	514.9	514.7	514.5	514.3	514.0
177.5°	518.8	518.5	518.3	518.1	517.9	517.9	517.9	517.9	517.9	517.7	517.6
180°	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2



TEST NUMBER: P1444847
 CATALOG NUMBER: EHBR1-54-UNV-TA-L940-UPL36

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3
2.5°	43187.2	43175.8	43145.9	43131.2	43103.5	43089.5	43068.0	43054.0	43036.6	43023.7	43017.0
5°	44383.7	44328.5	44217.9	44149.7	44030.2	43951.5	43832.8	43745.8	43623.2	43532.8	43417.0
7.5°	45940.6	45855.8	45714.0	45606.5	45439.3	45311.5	45123.9	44973.8	44766.5	44594.4	44382.6
10°	46574.4	46524.9	46461.3	46392.1	46299.5	46208.6	46080.5	45950.0	45775.9	45602.8	45376.6
12.5°	45637.6	45684.1	45775.9	45818.8	45889.0	45912.9	45945.0	45929.9	45901.5	45830.8	45728.2
15°	42984.4	43178.8	43486.0	43698.4	43996.1	44205.2	44481.8	44659.8	44864.9	44987.4	45103.9
17.5°	38620.2	38996.2	39538.1	39970.5	40551.0	41023.0	41601.2	42055.5	42580.1	42982.6	43411.0
20°	33030.3	33556.8	34304.9	34940.3	35781.4	36494.7	37408.5	38173.9	39066.9	39811.2	40614.5
22.5°	27014.0	27633.3	28490.6	29256.9	30261.3	31158.5	32303.4	33315.5	34522.6	35604.0	36800.3
25°	21338.3	21945.3	22818.5	23612.1	24696.4	25684.7	26935.5	28096.6	29497.4	30803.6	32303.4
27.5°	16471.1	17010.3	17777.9	18492.2	19485.3	20455.5	21724.9	22963.0	24457.7	25861.6	27477.8
30°	12720.4	13157.7	13772.8	14347.4	15144.6	15938.1	17068.8	18213.9	19701.2	21156.0	22812.9
32.5°	9857.9	10230.8	10744.3	11210.8	11825.0	12423.3	13255.9	14171.0	15475.7	16869.1	18471.3
35°	7631.1	7950.1	8387.1	8789.0	9294.2	9769.1	10390.5	11043.5	12039.2	13211.3	14645.1
37.5°	6083.9	6214.0	6525.9	6855.1	7274.8	7665.0	8151.1	8633.9	9346.3	10271.1	11442.4
40°	4626.7	4833.3	5087.2	5346.4	5664.1	5977.3	6510.4	6767.1	7236.2	7900.1	8809.2
42.5°	3733.2	3878.4	4057.1	4237.4	4458.8	4676.9	4946.6	5221.2	5571.9	6021.5	6668.2
45°	3124.0	3218.7	3333.9	3454.1	3599.4	3748.2	3928.8	4117.4	4355.0	4631.4	5024.1
47.5°	2717.1	2769.4	2844.6	2926.6	3026.3	3129.3	3246.7	3366.9	3514.5	3678.5	3902.1
50°	2399.4	2443.1	2501.5	2556.2	2625.1	2730.7	2777.2	2843.6	2932.4	3028.9	3153.9
52.5°	2169.5	2198.6	2235.2	2266.8	2310.3	2349.8	2401.6	2447.3	2508.8	2566.7	2647.5
55°	1990.5	2001.1	2021.9	2042.2	2072.3	2099.3	2134.8	2164.7	2203.9	2238.6	2289.4
57.5°	1852.3	1853.2	1862.8	1873.4	1892.7	1909.7	1934.2	1953.8	1981.1	2003.1	2033.7
60°	1752.9	1747.7	1749.5	1753.3	1764.2	1775.2	1790.8	1803.7	1820.7	1833.2	1850.3
62.5°	1670.3	1661.9	1660.0	1659.1	1664.5	1668.5	1677.0	1683.2	1693.0	1698.4	1707.5
65°	1565.8	1556.0	1552.2	1547.6	1549.3	1548.0	1551.2	1551.4	1556.3	1557.4	1562.7
67.5°	1471.1	1462.9	1457.9	1451.9	1449.2	1444.8	1442.9	1438.7	1438.1	1434.6	1433.8
70°	1384.7	1376.7	1372.5	1366.9	1364.0	1358.2	1354.8	1347.7	1343.6	1337.0	1333.4
72.5°	1284.7	1280.3	1279.0	1275.1	1274.1	1271.0	1269.6	1264.5	1261.6	1256.0	1252.9
75°	1180.2	1176.6	1176.2	1172.4	1172.1	1168.3	1167.3	1162.0	1159.2	1153.7	1151.3
77.5°	1055.8	1050.3	1048.8	1044.3	1045.4	1043.4	1045.1	1041.1	1039.3	1033.8	1032.0
80°	915.6	908.6	905.7	899.8	901.5	898.7	901.5	901.1	903.1	898.7	897.9
82.5°	749.6	742.0	740.5	736.4	739.1	739.4	745.3	742.1	743.4	739.2	740.9
85°	545.5	539.7	531.7	530.6	525.5	530.8	523.9	528.5	521.0	526.3	519.3
87.5°	338.2	326.4	320.1	311.6	308.4	300.3	296.9	291.0	292.7	290.0	291.6
90°	146.9	138.3	138.3	132.6	134.2	129.3	132.7	129.9	133.9	131.1	135.6
92.5°	60.9	63.7	68.8	74.3	79.0	84.0	89.1	94.6	99.3	104.7	109.5
95°	75.1	77.6	84.4	91.1	97.9	104.7	111.5	118.3	125.1	131.8	138.6
97.5°	93.8	95.3	102.1	108.8	115.6	122.4	129.1	136.3	143.1	149.8	156.6
100°	107.4	107.6	126.9	146.2	165.4	184.8	204.1	223.4	242.9	262.2	281.5
102.5°	198.8	203.7	252.4	301.2	349.8	398.6	447.5	496.4	545.0	594.0	642.9
105°	436.8	456.1	530.5	605.0	679.3	753.7	828.2	902.9	977.3	1051.8	1126.4
107.5°	808.9	843.9	911.1	978.5	1045.6	1113.0	1180.4	1247.8	1315.0	1382.5	1450.1
110°	1139.6	1176.6	1221.7	1266.9	1312.1	1357.2	1402.3	1447.5	1493.0	1538.1	1583.7



TEST NUMBER: P1444847
 CATALOG NUMBER: EHBR1-54-UNV-TA-L940-UPL36

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	1287.3	1311.5	1337.7	1364.2	1390.6	1417.0	1443.5	1470.0	1496.7	1523.2	1549.9
115°	1282.7	1294.2	1304.3	1314.9	1325.2	1335.7	1346.2	1356.9	1367.7	1378.3	1389.0
117.5°	1183.4	1187.7	1189.2	1191.1	1192.9	1195.1	1197.0	1199.2	1201.5	1203.6	1205.5
120°	1035.0	1033.9	1032.4	1031.1	1029.7	1028.5	1027.3	1026.2	1025.3	1024.3	1023.0
122.5°	885.3	882.9	881.4	880.3	879.2	878.2	877.1	876.4	875.5	874.6	873.6
125°	754.1	751.8	753.6	755.6	757.5	759.7	761.6	764.0	766.2	768.5	770.8
127.5°	657.9	657.6	661.8	666.2	670.7	675.3	680.0	684.8	689.2	694.2	698.5
130°	597.1	598.6	604.0	609.8	615.4	621.1	627.0	633.0	638.5	644.3	650.1
132.5°	562.5	565.7	570.8	576.4	581.9	587.5	593.2	598.8	604.5	610.2	615.5
135°	544.7	548.6	553.5	558.6	563.6	569.0	574.1	579.5	584.3	589.6	594.6
137.5°	534.1	537.9	542.2	546.3	550.4	554.9	559.1	563.4	567.5	571.8	575.9
140°	531.9	535.7	538.1	540.9	543.5	546.1	548.6	551.4	553.9	556.7	559.1
142.5°	528.1	531.7	533.1	535.0	536.7	539.0	540.7	542.7	544.2	545.9	547.5
145°	526.7	529.5	529.8	530.6	531.0	531.8	532.2	532.9	533.1	533.6	533.9
147.5°	523.0	525.1	524.9	525.3	525.4	525.4	525.6	525.7	525.5	525.7	525.7
150°	516.8	518.3	517.8	517.7	517.2	517.1	516.4	516.2	515.7	515.5	515.0
152.5°	509.5	510.7	509.9	509.7	509.0	508.5	507.7	507.5	506.7	506.3	505.9
155°	500.0	500.6	500.1	499.9	499.5	499.3	498.8	498.9	498.6	498.3	498.2
157.5°	495.6	495.6	495.4	495.2	494.8	494.8	494.5	494.5	494.4	494.7	494.8
160°	493.8	494.1	493.7	493.4	493.2	493.0	492.7	492.9	492.9	493.2	493.4
162.5°	492.8	492.7	492.3	492.1	491.8	491.8	491.8	492.1	492.0	492.3	492.6
165°	495.5	495.7	495.0	494.9	494.4	494.2	493.9	493.9	493.9	494.0	494.0
167.5°	497.8	497.6	497.6	497.7	497.7	497.9	498.1	498.7	498.8	499.5	499.6
170°	502.8	503.0	502.6	502.6	502.3	502.3	502.3	502.3	502.3	502.4	502.3
172.5°	509.5	509.5	509.1	508.7	508.2	508.0	507.6	507.5	507.0	506.8	506.3
175°	513.6	513.4	513.2	513.0	512.8	512.4	512.1	511.7	511.5	511.2	511.0
177.5°	517.4	517.1	517.0	517.0	516.8	516.6	516.6	516.4	516.4	516.4	516.1
180°	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2



TEST NUMBER: P1444847
 CATALOG NUMBER: EHBR1-54-UNV-TA-L940-UPL36

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3
2.5°	43008.3	43007.8	43003.6	43005.6	43006.3	43009.4	43013.1	43017.0	43017.7	43020.8	43021.4
5°	43330.2	43223.8	43145.1	43058.5	42993.4	42934.9	42895.9	42864.8	42852.8	42855.9	42863.1
7.5°	44202.9	43983.4	43802.1	43596.1	43424.2	43242.3	43091.5	42948.1	42843.7	42765.8	42722.3
10°	45160.7	44893.2	44637.3	44339.1	44056.2	43754.4	43481.0	43205.7	42976.2	42776.9	42630.4
12.5°	45585.7	45396.7	45175.4	44894.0	44591.4	44243.1	43891.3	43514.3	43163.6	42838.1	42575.6
15°	45135.7	45136.1	45055.4	44920.4	44710.2	44431.9	44096.7	43703.7	43290.0	42867.9	42482.2
17.5°	43707.2	43976.7	44126.6	44221.5	44192.4	44089.8	43876.6	43574.7	43189.0	42739.4	42268.8
20°	41254.1	41889.8	42343.0	42750.6	42979.0	43130.8	43115.6	42992.8	42718.1	42335.8	41845.7
22.5°	37817.6	38884.7	39726.6	40511.7	41062.3	41510.2	41723.1	41813.5	41689.1	41422.7	40962.5
25°	33643.8	35094.5	36332.5	37534.0	38435.3	39209.9	39675.3	40003.3	40029.4	39890.2	39479.6
27.5°	29005.8	30718.2	32285.2	33882.0	35149.4	36262.9	36993.5	37528.3	37698.2	37675.7	37302.9
30°	24373.7	26171.5	27898.7	29760.7	31329.0	32751.6	33716.7	34440.0	34718.6	34772.0	34413.4
32.5°	19999.3	21772.0	23494.4	25441.1	27167.0	28797.4	29937.6	30796.7	31120.7	31197.1	30803.6
35°	16029.1	17664.7	19301.5	21188.1	22904.1	24592.5	25793.9	26693.3	26995.9	27047.0	26591.6
37.5°	12586.3	13979.8	15406.1	17098.9	18674.7	20260.3	21401.9	22247.1	22467.6	22454.0	21938.6
40°	9687.5	10770.8	11916.9	13310.5	14620.6	15961.0	16925.0	17623.8	17739.6	17653.8	17112.3
42.5°	7284.4	8066.9	8897.8	9938.0	10910.1	11913.3	12614.7	13133.4	13149.9	13014.3	12528.2
45°	5426.9	6190.3	6538.8	7167.7	7793.9	8460.9	8889.1	9209.5	9159.9	9040.6	8671.3
47.5°	4137.1	4430.4	4741.6	5131.6	5496.3	6253.3	6197.2	6711.8	6341.2	6593.9	6037.5
50°	3285.3	3449.2	3616.9	3823.8	4014.4	4212.2	4336.0	4428.2	4416.3	4376.6	4270.0
52.5°	2794.9	2845.7	2928.3	3045.9	3152.3	3259.4	3329.7	3387.0	3388.1	3372.1	3318.2
55°	2336.0	2400.3	2459.6	2536.6	2667.7	2687.8	2788.7	2768.3	2776.2	2748.3	2776.9
57.5°	2059.6	2097.0	2130.5	2176.2	2214.1	2258.3	2284.4	2309.5	2307.0	2301.6	2274.1
60°	1863.8	1884.4	1903.0	1929.7	1950.5	1975.5	1987.5	2000.2	1996.1	1986.8	1962.3
62.5°	1712.7	1725.8	1736.3	1753.5	1766.2	1781.8	1787.9	1793.4	1787.9	1779.2	1757.5
65°	1563.9	1572.2	1578.9	1591.8	1600.8	1614.1	1619.4	1624.5	1619.5	1612.7	1596.2
67.5°	1429.5	1430.3	1429.6	1434.9	1437.6	1445.6	1448.1	1451.7	1445.9	1440.0	1426.2
70°	1327.6	1325.5	1322.9	1325.0	1325.5	1329.4	1330.0	1329.4	1322.5	1312.2	1297.0
72.5°	1247.9	1246.8	1244.9	1246.6	1246.6	1250.2	1249.1	1247.3	1238.8	1228.8	1213.8
75°	1145.6	1144.7	1140.9	1141.1	1137.8	1138.9	1134.8	1132.4	1123.0	1114.6	1101.2
77.5°	1025.7	1023.8	1018.2	1016.1	1010.0	1007.5	999.7	995.8	986.2	979.5	968.0
80°	892.0	889.9	882.7	878.7	869.1	863.0	851.5	844.9	833.9	827.4	816.1
82.5°	737.3	738.0	730.9	725.9	712.1	701.6	686.3	678.0	665.8	659.4	647.9
85°	524.3	516.9	520.9	520.5	511.9	502.8	490.3	481.5	471.2	465.2	457.1
87.5°	287.6	289.4	287.3	285.5	279.5	274.8	265.1	259.9	252.5	248.7	242.7
90°	125.5	122.8	113.2	110.7	101.4	96.2	85.6	81.6	71.7	69.6	63.3
92.5°	103.8	98.0	92.7	86.5	81.2	75.5	69.8	64.0	58.3	56.1	54.5
95°	130.3	122.3	114.0	105.8	97.5	89.3	81.2	73.0	64.7	63.1	61.4
97.5°	147.1	137.3	127.6	117.9	108.3	98.5	89.0	79.2	69.5	68.5	67.4
100°	259.2	236.9	214.5	192.0	169.7	147.3	125.0	102.6	80.3	79.0	77.8
102.5°	588.5	534.3	480.0	425.8	371.5	317.1	262.9	208.5	154.3	146.5	138.6
105°	1044.1	961.9	880.0	797.9	715.6	633.3	551.3	469.0	386.8	360.5	334.0
107.5°	1372.9	1295.5	1218.6	1141.4	1064.0	987.0	909.8	832.4	755.0	708.6	662.2
110°	1522.4	1461.1	1400.2	1338.9	1277.7	1216.4	1155.1	1093.8	1032.5	992.5	952.7



TEST NUMBER: P1444847
 CATALOG NUMBER: EHBR1-54-UNV-TA-L940-UPL36

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	1505.2	1460.4	1415.8	1370.9	1326.1	1281.2	1236.6	1191.5	1146.6	1122.4	1098.2
115°	1362.3	1335.4	1308.7	1281.8	1254.9	1228.0	1201.2	1173.9	1146.9	1134.2	1121.6
117.5°	1192.3	1178.7	1165.3	1151.7	1138.1	1124.3	1110.8	1097.0	1083.3	1079.0	1074.7
120°	1019.6	1015.8	1011.6	1007.8	1003.8	999.9	995.8	991.7	987.5	988.4	989.1
122.5°	875.7	877.7	879.8	881.4	883.7	885.3	887.4	888.9	890.7	894.5	898.1
125°	775.2	779.5	783.9	788.2	792.6	796.9	801.3	805.3	809.8	813.3	817.3
127.5°	703.9	708.5	713.5	718.2	723.3	728.0	732.8	737.4	742.2	745.7	749.5
130°	654.7	658.8	663.2	667.3	671.7	676.0	680.2	684.5	688.7	691.7	694.5
132.5°	619.5	623.4	627.5	631.1	635.2	638.8	642.9	646.7	650.8	652.9	655.3
135°	597.8	600.6	603.8	606.6	609.9	612.7	615.8	619.0	622.2	623.8	625.8
137.5°	578.5	580.8	583.5	585.9	588.6	591.0	593.9	596.3	599.4	600.3	601.8
140°	561.7	564.3	566.9	569.5	572.3	574.9	578.0	580.7	583.9	584.8	586.2
142.5°	549.7	551.6	553.8	555.7	558.1	560.1	562.6	565.1	567.7	568.8	570.0
145°	536.4	538.7	541.2	543.4	545.8	548.4	551.3	554.1	557.0	557.9	558.8
147.5°	527.7	529.5	531.8	533.9	536.1	538.1	540.9	543.2	545.9	546.8	547.5
150°	517.2	519.2	521.3	523.5	525.8	528.3	530.9	533.6	536.6	537.7	538.8
152.5°	508.0	510.2	512.5	515.0	517.5	520.2	523.0	525.8	528.7	529.6	530.9
155°	500.6	502.5	505.1	507.6	510.2	512.5	515.4	518.1	520.9	522.1	523.2
157.5°	496.9	498.7	501.0	503.3	505.5	507.8	510.4	512.7	515.3	516.3	517.2
160°	495.4	497.0	499.2	501.2	503.3	505.3	507.7	509.6	511.8	512.9	513.8
162.5°	494.5	496.4	498.4	500.1	502.4	504.4	506.7	508.6	510.8	511.6	512.6
165°	495.4	496.9	498.6	499.9	501.6	503.0	504.8	506.3	508.0	508.7	509.8
167.5°	501.1	502.1	503.1	504.2	505.7	506.8	508.2	509.3	510.7	511.6	512.5
170°	503.6	504.5	505.3	506.5	507.7	508.8	509.8	510.7	512.2	512.9	513.8
172.5°	507.1	507.5	508.5	509.0	509.8	510.3	511.3	511.9	512.7	513.7	514.4
175°	511.5	511.8	512.1	512.3	512.8	513.1	513.6	514.2	514.5	515.2	515.7
177.5°	516.3	516.5	516.8	517.0	517.4	517.6	518.1	518.3	518.6	519.3	520.1
180°	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2



TEST NUMBER: P1444847
 CATALOG NUMBER: EHBR1-54-UNV-TA-L940-UPL36

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3
2.5°	43019.9	43019.5	43018.1	43016.1	43014.3	43015.4	43017.2	43022.2	43030.8	43043.3	43059.6
5°	42869.0	42877.8	42882.7	42883.4	42878.9	42876.2	42880.3	42892.1	42916.0	42956.0	43010.1
7.5°	42710.6	42721.4	42738.1	42750.6	42753.0	42750.0	42750.6	42769.1	42813.1	42891.0	43000.3
10°	42541.5	42509.4	42526.4	42557.4	42582.0	42586.5	42589.5	42611.4	42675.7	42793.5	42969.0
12.5°	42385.4	42283.7	42264.0	42292.0	42329.4	42341.4	42338.1	42347.5	42422.9	42578.6	42823.2
15°	42180.0	41988.5	41923.1	41930.3	41976.5	41993.2	41981.0	41962.4	42035.8	42226.1	42542.7
17.5°	41847.6	41538.8	41418.5	41413.2	41467.4	41481.7	41452.0	41394.4	41466.7	41704.1	42097.2
20°	41342.2	40886.5	40660.0	40623.9	40682.7	40665.6	40606.2	40519.2	40614.3	40902.8	41370.2
22.5°	40433.8	39856.3	39469.4	39344.5	39414.8	39367.9	39281.3	39170.2	39296.4	39624.4	40144.9
25°	38949.3	38282.1	37752.2	37455.0	37511.0	37427.0	37332.8	37198.1	37348.6	37725.0	38298.0
27.5°	36767.3	35996.5	35340.0	34848.0	34866.1	34756.1	34647.5	34473.2	34661.1	35106.6	35752.9
30°	33865.8	32974.0	32174.5	31505.7	31445.9	31339.3	31228.1	30999.3	31234.4	31767.8	32523.0
32.5°	30222.0	29231.9	28308.1	27462.6	27303.1	27198.9	27099.9	26836.6	27144.5	27766.4	28634.0
35°	25960.8	24906.0	23904.4	22938.8	22674.6	22570.4	22483.9	22231.6	22615.9	23292.5	24229.6
37.5°	21283.4	20205.9	19211.6	18221.4	17848.0	17706.8	17643.9	17478.6	17921.9	18591.2	19532.1
40°	16481.7	15479.9	14588.4	13713.7	13288.1	13072.0	13039.0	13008.9	13437.5	14018.2	14872.2
42.5°	11989.8	11181.5	10494.1	9825.6	9439.9	9144.8	9144.6	9234.2	9620.0	10055.0	10713.6
45°	8293.7	7751.3	7313.2	6866.6	6985.9	6397.6	6743.3	6565.9	6756.6	7037.0	7465.3
47.5°	5701.1	5405.0	5164.4	4914.9	4732.9	4559.3	4574.5	4686.5	4866.1	5032.5	5255.3
50°	4155.1	4004.3	3881.8	3752.2	3661.6	3585.1	3589.5	3638.0	3732.4	3820.0	3936.7
52.5°	3255.8	3172.6	3106.1	3034.5	2986.9	2948.8	2950.9	2974.5	3025.5	3075.5	3142.4
55°	2683.6	2673.5	2587.0	2522.7	2498.2	2472.6	2477.2	2486.6	2521.2	2550.6	2594.8
57.5°	2248.8	2210.0	2184.1	2150.1	2134.6	2116.7	2120.7	2124.2	2147.4	2167.1	2199.0
60°	1941.8	1914.3	1896.0	1872.9	1862.6	1851.3	1853.9	1855.9	1870.8	1883.6	1906.5
62.5°	1737.9	1713.3	1697.3	1679.5	1672.3	1664.7	1666.4	1667.0	1676.3	1685.7	1703.0
65°	1581.5	1561.9	1548.7	1533.3	1525.8	1517.7	1518.6	1518.6	1526.4	1533.3	1546.3
67.5°	1416.0	1401.3	1392.7	1380.5	1375.4	1367.3	1367.1	1364.5	1369.6	1372.4	1381.2
70°	1283.2	1268.4	1257.3	1245.7	1239.3	1232.1	1232.2	1232.4	1238.3	1244.6	1256.0
72.5°	1201.2	1187.0	1177.2	1167.0	1160.9	1154.8	1153.7	1153.1	1157.4	1160.7	1168.3
75°	1092.5	1081.3	1075.5	1065.9	1061.1	1054.2	1053.0	1049.9	1051.9	1052.6	1058.2
77.5°	960.8	950.1	945.4	935.7	931.6	923.8	923.2	919.6	921.3	920.1	924.5
80°	810.5	800.8	798.2	790.2	788.4	781.1	780.0	775.7	777.0	773.6	775.2
82.5°	642.9	634.0	632.0	624.7	624.7	618.1	617.8	611.3	611.3	605.7	596.7
85°	452.9	446.4	443.6	437.5	435.7	430.5	427.7	421.5	419.2	415.2	414.0
87.5°	239.0	234.9	231.1	228.3	223.0	213.5	212.8	206.2	206.6	202.1	202.4
90°	61.8	56.0	54.8	49.4	47.8	43.9	42.6	42.9	44.1	44.6	45.9
92.5°	52.6	50.7	48.8	46.9	45.0	43.0	41.2	43.0	45.0	46.9	48.8
95°	59.6	57.9	56.3	54.6	52.8	51.1	49.5	51.1	52.8	54.7	56.4
97.5°	66.3	65.2	64.2	63.1	62.0	60.9	59.9	61.1	62.2	63.3	64.4
100°	76.5	75.2	74.0	72.7	71.4	70.2	68.8	70.4	71.6	72.9	74.3
102.5°	131.0	123.2	115.2	107.4	99.6	91.8	83.9	91.8	99.6	107.5	115.3
105°	307.5	281.3	254.7	228.3	201.8	175.3	148.9	175.5	202.0	228.4	255.0
107.5°	615.6	569.3	522.7	476.4	429.6	383.2	336.6	383.4	430.0	476.5	523.1
110°	912.5	872.3	832.3	792.3	752.0	712.0	671.7	712.1	752.3	792.6	832.8



TEST NUMBER: P1444847
 CATALOG NUMBER: EHBR1-54-UNV-TA-L940-UPL36

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	1073.8	1049.5	1025.2	1001.0	976.4	952.1	927.5	952.4	976.9	1001.7	1026.1
115°	1108.9	1096.1	1083.5	1070.7	1057.8	1044.9	1031.8	1045.4	1058.5	1071.7	1084.8
117.5°	1070.3	1066.1	1061.6	1057.2	1052.7	1048.2	1043.5	1048.6	1053.5	1058.6	1063.2
120°	989.7	990.6	991.3	991.7	992.4	992.9	993.1	993.5	993.5	993.5	993.3
122.5°	901.7	905.4	908.8	912.3	915.7	919.1	922.2	919.7	917.0	914.4	911.3
125°	820.9	824.9	828.5	832.1	835.6	839.2	842.2	840.1	837.4	834.6	831.5
127.5°	753.0	756.4	759.7	763.3	766.3	769.4	772.2	770.4	768.0	765.7	763.0
130°	697.2	700.2	702.6	705.4	707.7	710.0	712.0	710.9	709.4	708.2	706.3
132.5°	657.5	659.9	662.1	664.3	665.8	667.8	669.0	668.8	668.0	667.2	665.9
135°	627.6	629.1	630.7	632.5	633.6	634.9	635.6	636.0	635.8	635.6	634.9
137.5°	602.8	604.2	605.0	605.9	606.6	607.2	607.3	608.3	608.6	609.4	609.3
140°	587.1	588.5	589.5	590.4	591.2	592.0	592.0	593.1	593.5	593.9	593.8
142.5°	571.1	572.3	573.3	574.4	574.9	575.7	575.9	576.8	577.2	577.6	577.6
145°	559.8	560.6	561.4	562.2	562.6	562.9	562.7	564.0	564.7	565.2	565.7
147.5°	548.5	549.4	549.9	550.5	550.9	551.2	551.2	552.2	552.9	553.5	554.0
150°	540.0	541.1	542.0	543.0	543.6	544.3	544.4	545.2	545.6	545.9	546.0
152.5°	531.8	532.7	533.6	534.4	535.0	535.5	535.8	536.5	537.2	537.7	537.9
155°	524.2	525.4	526.3	527.2	527.9	528.7	529.4	530.0	530.5	530.8	531.1
157.5°	518.2	519.3	520.1	521.1	521.7	522.7	523.3	524.1	524.6	525.3	525.5
160°	514.6	515.8	516.4	517.3	518.1	518.9	519.6	520.3	521.0	521.4	522.1
162.5°	513.3	514.4	514.8	515.8	516.6	517.3	518.0	518.8	519.5	520.0	520.6
165°	510.9	511.9	512.7	513.7	514.8	515.8	516.4	517.1	517.3	517.7	518.0
167.5°	513.3	514.4	515.1	516.0	516.7	517.8	518.6	519.1	519.3	519.6	519.9
170°	514.5	515.3	516.2	516.9	517.7	518.6	519.1	519.4	519.7	520.0	520.2
172.5°	515.1	516.1	517.0	518.0	518.7	519.6	520.4	520.5	520.5	520.3	520.1
175°	516.3	517.2	517.8	518.5	519.1	519.8	520.6	520.3	520.4	520.1	520.0
177.5°	520.9	521.9	522.7	523.3	524.1	524.7	525.5	524.9	524.4	523.9	523.2
180°	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2



TEST NUMBER: P1444847
 CATALOG NUMBER: EHBR1-54-UNV-TA-L940-UPL36

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3
2.5°	43082.7	43104.3	43137.2	43167.1	43212.1	43247.6	43300.9	43341.4	43401.5	43440.6	43506.0
5°	43086.6	43170.9	43281.7	43389.8	43519.9	43637.9	43784.6	43909.6	44057.1	44177.3	44328.2
7.5°	43147.5	43310.0	43504.9	43701.2	43923.2	44130.8	44364.9	44576.6	44808.1	45004.1	45218.1
10°	43192.4	43443.1	43730.2	44019.1	44323.2	44605.8	44891.0	45137.5	45367.9	45557.4	45724.9
12.5°	43131.5	43476.8	43845.3	44201.0	44539.2	44831.6	45077.0	45266.6	45397.4	45486.2	45507.0
15°	42924.4	43340.0	43740.5	44094.8	44375.4	44591.8	44703.8	44756.3	44700.0	44606.5	44401.1
17.5°	42537.4	42975.7	43333.8	43613.3	43761.6	43820.3	43727.5	43566.1	43250.6	42900.5	42394.8
20°	41827.9	42236.3	42496.1	42648.5	42608.9	42462.2	42111.9	41686.0	41056.2	40385.0	39499.3
22.5°	40583.5	40940.5	41079.0	41090.3	40848.3	40480.9	39849.1	39118.7	38125.1	37092.2	35821.9
25°	38715.6	39028.3	39050.2	38927.3	38484.4	37889.2	36961.4	35928.1	34577.9	33201.6	31609.8
27.5°	36182.3	36482.2	36408.8	36179.6	35564.6	34768.2	33580.2	32245.5	30581.0	28955.4	27194.5
30°	32997.8	33318.5	33232.4	32938.3	32206.9	31265.5	29867.7	28317.0	26469.0	24732.7	22948.3
32.5°	29186.9	29592.4	29532.9	29253.4	28490.2	27482.7	25966.1	24321.3	22430.6	20719.6	18983.8
35°	24855.3	25347.7	25373.1	25190.4	24481.9	23486.0	21988.4	20396.4	18585.5	16971.0	15367.5
37.5°	20188.5	20759.3	20876.5	20827.2	20240.0	19361.0	17996.4	16568.3	14963.9	13549.0	12177.6
40°	15495.8	16073.6	16274.1	16333.6	15900.2	15219.4	14099.4	12946.7	11638.9	10492.3	9403.4
42.5°	11216.4	11728.6	11922.3	12044.2	11773.7	11319.7	10502.7	9665.6	8707.4	7880.5	7087.7
45°	7790.0	8152.3	8299.7	8422.4	8275.0	8018.9	7503.0	6979.4	6346.9	5806.6	5294.9
47.5°	5446.4	5646.2	5743.5	5803.0	5745.9	5612.3	5331.6	5028.3	4671.3	4355.4	4051.8
50°	4037.0	4143.3	4194.2	4228.6	4187.0	4112.7	3960.8	3795.7	3599.6	3420.7	3245.9
52.5°	3199.2	3260.2	3290.4	3308.9	3285.1	3239.7	3151.2	3053.3	2935.7	2825.2	2767.2
55°	2695.2	2692.0	2761.9	2728.1	2761.9	2686.5	2670.7	2563.1	2465.4	2396.7	2322.2
57.5°	2222.6	2254.3	2267.7	2282.7	2273.0	2259.2	2221.6	2183.1	2131.6	2088.6	2042.6
60°	1923.9	1950.0	1964.7	1979.7	1978.6	1973.5	1951.8	1928.7	1896.6	1870.8	1843.0
62.5°	1718.2	1740.8	1755.3	1769.6	1770.9	1768.7	1752.3	1736.3	1714.4	1698.2	1679.0
65°	1556.3	1572.2	1582.1	1593.5	1592.8	1589.8	1574.9	1561.6	1543.6	1532.4	1518.3
67.5°	1386.9	1399.0	1406.6	1417.3	1419.4	1420.0	1411.9	1405.7	1396.8	1393.6	1388.8
70°	1266.5	1281.0	1293.3	1306.9	1314.3	1317.8	1314.3	1311.1	1306.0	1303.7	1300.0
72.5°	1175.3	1187.6	1197.2	1209.6	1216.4	1221.4	1218.7	1216.9	1212.4	1211.8	1209.2
75°	1062.1	1070.6	1076.0	1085.2	1088.9	1093.6	1091.4	1092.5	1091.1	1094.7	1094.5
77.5°	925.9	932.1	934.7	941.4	942.1	947.7	949.0	955.5	960.2	970.4	975.8
80°	772.6	776.6	776.6	783.5	786.6	796.0	800.5	811.2	816.1	825.3	826.1
82.5°	600.2	595.6	600.2	597.3	606.1	616.7	618.1	627.3	629.3	635.1	630.6
85°	410.3	410.0	406.3	406.9	404.2	405.5	404.0	405.6	404.1	404.2	400.0
87.5°	196.6	198.3	194.1	195.5	191.4	193.2	189.6	192.5	188.1	188.8	182.3
90°	46.7	47.9	48.7	50.0	51.9	55.2	58.9	62.3	66.5	69.8	73.6
92.5°	50.7	52.8	54.7	56.6	58.5	64.2	70.0	75.6	81.5	87.1	92.9
95°	58.0	59.7	61.5	63.5	65.2	73.5	81.7	90.0	98.2	106.5	114.7
97.5°	65.7	66.8	67.8	68.9	70.2	79.8	89.6	99.3	109.1	118.8	128.4
100°	75.6	77.0	78.3	79.7	81.0	103.4	125.9	148.3	170.8	192.9	215.4
102.5°	123.4	131.3	139.1	147.2	155.0	209.4	263.8	318.3	372.4	426.9	481.1
105°	281.5	308.0	334.8	361.3	387.8	470.1	552.5	634.8	716.8	799.2	881.5
107.5°	569.8	616.4	663.1	709.7	756.3	833.8	911.1	988.5	1066.0	1143.3	1220.4
110°	873.3	913.2	953.8	994.1	1034.3	1095.5	1157.2	1218.5	1279.9	1341.3	1402.5



TEST NUMBER: P1444847
 CATALOG NUMBER: EHBR1-54-UNV-TA-L940-UPL36

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	1050.8	1075.2	1099.8	1124.0	1148.6	1193.6	1239.0	1283.9	1329.0	1373.8	1418.7
115°	1097.9	1110.5	1123.7	1136.5	1149.7	1176.8	1203.9	1231.0	1258.3	1285.1	1312.4
117.5°	1067.9	1072.6	1077.4	1081.6	1086.3	1100.2	1114.2	1128.0	1142.0	1155.8	1169.7
120°	993.1	992.7	992.4	991.7	991.4	995.5	999.9	1004.1	1008.5	1012.5	1016.5
122.5°	908.4	905.1	901.9	898.6	895.3	893.5	892.1	890.3	889.0	887.0	885.4
125°	828.4	825.1	821.8	818.3	814.7	810.7	806.8	802.6	798.5	794.3	790.1
127.5°	760.6	757.4	754.6	751.4	748.2	743.5	739.0	734.2	729.9	724.9	720.4
130°	704.6	702.3	700.3	697.5	695.5	691.0	687.2	683.1	679.0	674.9	670.8
132.5°	664.7	663.1	661.6	659.5	657.8	654.0	650.8	646.7	643.0	639.3	635.8
135°	634.3	633.3	632.5	631.1	629.9	626.8	624.2	621.2	618.4	615.5	612.7
137.5°	609.5	608.8	608.6	608.0	607.4	604.8	602.7	600.1	597.8	595.3	593.1
140°	594.0	593.6	593.4	592.8	592.3	589.7	587.2	584.6	582.2	579.6	577.2
142.5°	577.6	577.3	577.2	576.6	576.2	574.1	572.4	570.4	568.4	566.3	564.5
145°	565.9	565.9	566.0	565.7	565.9	563.4	561.2	558.8	556.8	554.5	552.4
147.5°	554.5	554.5	554.8	554.8	555.1	553.0	551.4	549.4	547.7	545.8	544.1
150°	546.2	546.2	546.3	546.0	545.9	543.9	542.3	540.3	538.7	536.6	535.0
152.5°	538.1	538.3	538.6	538.6	538.8	537.0	535.1	533.2	531.3	529.2	527.4
155°	531.4	531.6	531.7	531.7	531.7	530.0	528.3	526.5	524.8	522.9	521.3
157.5°	525.9	526.2	526.5	526.7	526.8	525.4	523.9	522.4	520.9	519.3	517.8
160°	522.5	522.9	523.2	523.4	523.8	522.5	521.5	520.0	518.9	517.4	515.9
162.5°	521.1	521.5	521.8	522.0	522.3	521.0	520.1	518.8	517.6	515.9	514.7
165°	518.5	518.5	518.6	518.6	518.7	517.9	517.2	516.4	515.6	514.5	513.6
167.5°	520.0	520.0	520.3	520.2	520.3	519.7	519.6	518.8	518.2	517.5	516.9
170°	520.2	520.4	520.5	520.4	520.5	519.9	519.4	518.8	518.5	517.5	516.9
172.5°	520.1	520.0	519.8	519.8	519.5	519.0	518.7	518.3	518.1	517.6	517.2
175°	519.8	519.5	519.4	519.2	518.8	518.8	518.6	518.6	518.4	518.1	517.9
177.5°	523.0	522.6	521.9	521.3	520.9	520.7	520.7	520.4	520.5	520.3	520.1
180°	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2



TEST NUMBER: P1444847
 CATALOG NUMBER: EHBR1-54-UNV-TA-L940-UPL36

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3
2.5°	43546.4	43277.5	43242.0	43260.9	43305.9	43322.5	43371.0	43384.2	43433.0	43445.1	43491.9
5°	44445.0	44089.6	44107.3	44192.7	44322.1	44399.2	44526.4	44592.9	44714.3	44769.6	44879.3
7.5°	45392.5	45113.4	45200.4	45344.5	45521.4	45643.9	45796.7	45896.2	46027.9	46109.7	46215.0
10°	45857.6	45781.2	45877.0	45990.4	46091.4	46170.4	46235.1	46287.0	46321.0	46352.7	46366.7
12.5°	45503.6	45622.0	45638.3	45627.3	45560.4	45509.4	45394.7	45316.8	45178.5	45094.2	44929.5
15°	44191.3	44451.5	44307.4	44089.2	43769.9	43503.7	43127.8	42847.9	42456.4	42190.9	41798.0
17.5°	41888.1	42216.6	41841.0	41336.2	40693.9	40144.4	39460.2	38917.1	38236.8	37742.0	37107.1
20°	38645.7	38952.7	38282.8	37445.9	36452.3	35616.2	34630.1	33843.4	32927.1	32245.5	31422.9
22.5°	34608.5	34827.2	33883.6	32755.3	31489.4	30444.9	29265.9	28322.8	27277.0	26497.8	25620.7
25°	30142.2	30201.2	29069.3	27769.4	26358.7	25184.6	23926.0	22934.3	21867.9	21078.1	20217.3
27.5°	25634.3	25547.8	24324.3	22946.1	21462.0	20241.8	19014.1	18084.9	17150.8	16439.4	15697.9
30°	21379.5	21169.9	19899.6	18482.9	17042.4	15948.7	14929.5	14183.3	13440.2	12875.9	12280.6
32.5°	17477.7	17182.1	15945.5	14618.3	13404.4	12560.4	11804.7	11240.0	10640.0	10163.2	9663.7
35°	14021.7	13706.7	12611.3	11486.1	10567.4	9945.2	9351.3	8888.0	8378.5	7976.4	7542.5
37.5°	11055.7	10797.6	9880.0	8994.6	8299.7	7817.5	7330.8	6952.2	6531.2	6354.3	5890.7
40°	8535.0	8354.5	7637.1	6984.4	6462.5	6236.1	5742.1	5388.4	5073.7	4814.3	4562.9
42.5°	6657.4	6593.5	5895.4	5386.3	5018.9	4733.5	4458.2	4234.7	4017.2	3838.3	3669.4
45°	4885.5	4835.1	4525.0	4231.2	3980.8	3781.4	3595.3	3441.6	3299.3	3181.5	3074.2
47.5°	3804.4	3788.3	3609.7	3427.5	3269.8	3141.6	3020.9	2918.8	2824.4	2745.7	2720.1
50°	3094.3	3092.2	2987.4	2875.0	2762.6	2688.5	2611.5	2551.2	2490.6	2443.3	2393.5
52.5°	2629.1	2617.7	2547.0	2477.6	2410.9	2362.3	2313.0	2274.4	2234.3	2205.2	2174.1
55°	2263.4	2275.4	2234.5	2193.0	2151.3	2121.0	2086.5	2061.1	2033.5	2015.1	1996.4
57.5°	2009.4	2025.2	2003.8	1980.2	1954.8	1934.9	1911.2	1893.6	1875.1	1863.5	1852.6
60°	1824.6	1841.9	1833.2	1821.4	1805.7	1793.9	1778.7	1768.9	1757.1	1750.6	1744.4
62.5°	1667.8	1689.4	1686.4	1680.8	1670.7	1664.1	1655.8	1651.5	1643.7	1640.8	1637.9
65°	1511.4	1535.7	1535.3	1532.5	1526.9	1525.0	1519.9	1518.9	1514.9	1516.5	1516.2
67.5°	1388.3	1409.5	1414.1	1417.5	1417.3	1418.6	1418.2	1420.2	1420.2	1423.3	1425.1
70°	1299.6	1314.3	1317.8	1321.4	1322.3	1325.2	1325.2	1326.9	1326.5	1329.0	1329.4
72.5°	1209.8	1229.2	1232.8	1235.6	1235.6	1238.3	1236.9	1236.4	1232.6	1231.7	1229.0
75°	1098.2	1123.0	1128.4	1131.9	1132.4	1134.8	1131.5	1129.3	1123.0	1120.4	1115.9
77.5°	981.6	1007.3	1011.1	1012.4	1010.4	1010.8	1003.8	999.0	990.8	987.5	983.2
80°	829.7	867.6	870.7	868.3	862.4	861.4	854.5	850.0	840.3	837.0	833.3
82.5°	631.4	675.9	682.2	684.9	680.0	681.1	674.6	672.0	663.1	661.5	655.5
85°	398.7	443.1	450.5	449.3	444.6	443.5	439.6	440.9	440.1	442.4	443.7
87.5°	183.2	226.2	236.6	233.2	232.7	229.7	222.8	225.4	229.6	232.3	232.4
90°	77.2	93.8	97.2	95.3	89.1	86.5	80.8	78.9	73.9	71.9	66.9
92.5°	98.6	104.3	110.0	104.9	99.9	94.7	89.7	84.4	79.6	74.3	69.4
95°	123.0	130.8	139.1	132.3	125.5	118.7	111.9	105.2	98.4	91.6	84.9
97.5°	138.1	147.6	157.1	150.3	143.6	136.6	129.8	123.1	116.3	109.4	102.7
100°	237.8	259.6	281.9	262.6	243.3	224.1	204.8	185.3	166.0	146.8	127.4
102.5°	535.4	589.3	643.4	594.5	545.7	496.8	448.1	399.2	350.5	301.6	252.8
105°	963.5	1045.1	1127.1	1052.3	977.8	903.4	828.9	754.4	679.8	605.3	530.9
107.5°	1297.6	1373.8	1450.7	1383.3	1315.9	1248.6	1181.0	1113.7	1046.1	978.8	911.4
110°	1463.8	1523.7	1584.6	1539.1	1493.9	1448.3	1403.2	1357.8	1312.6	1267.5	1222.3



TEST NUMBER: P1444847
 CATALOG NUMBER: EHBR1-54-UNV-TA-L940-UPL36

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	1463.5	1506.7	1551.0	1524.1	1497.6	1470.9	1444.4	1417.7	1391.4	1364.7	1338.5
115°	1339.1	1363.9	1390.3	1379.4	1368.8	1358.1	1347.3	1336.8	1326.1	1315.6	1305.3
117.5°	1183.4	1194.5	1207.3	1204.9	1202.9	1200.5	1198.5	1196.2	1194.4	1192.2	1190.4
120°	1020.7	1021.8	1025.1	1026.0	1027.1	1027.9	1029.1	1030.1	1031.3	1032.4	1033.8
122.5°	883.6	878.6	875.8	876.7	877.6	878.2	879.2	880.1	881.1	882.0	883.2
125°	786.0	778.2	773.0	770.8	768.6	766.3	764.0	761.7	759.8	757.7	755.8
127.5°	715.7	707.2	701.4	696.9	692.2	687.5	682.9	678.1	673.6	668.8	664.5
130°	666.8	658.5	653.3	647.4	641.9	635.8	630.4	624.5	618.7	613.0	607.3
132.5°	631.9	623.7	619.0	613.6	608.3	602.4	597.2	591.4	585.9	580.0	574.8
135°	609.8	602.3	598.4	593.2	588.5	583.3	578.2	573.1	568.1	562.8	558.1
137.5°	590.5	583.2	579.9	575.6	571.8	567.6	563.7	559.4	555.4	550.8	547.0
140°	574.5	566.8	563.2	560.8	558.6	555.9	553.6	551.0	548.6	546.0	543.5
142.5°	562.5	555.0	551.9	550.2	548.8	547.2	545.9	544.1	542.5	540.4	538.9
145°	550.2	541.8	538.4	537.9	537.8	537.5	537.1	536.7	536.3	535.8	535.4
147.5°	542.0	533.6	530.2	530.4	530.6	530.4	530.8	530.5	530.9	530.7	530.9
150°	532.8	523.2	519.3	519.9	520.1	520.7	521.3	521.6	522.4	522.7	523.2
152.5°	525.3	513.8	509.4	509.9	510.7	511.1	511.8	512.5	513.3	514.0	514.6
155°	519.0	506.6	501.9	501.9	502.1	502.4	502.6	503.1	503.5	503.9	504.5
157.5°	516.0	503.0	498.4	498.1	498.2	498.2	498.2	498.4	498.6	498.8	499.5
160°	514.5	501.6	497.0	496.7	496.8	496.6	496.5	496.6	496.8	496.9	497.4
162.5°	513.2	500.6	496.3	495.8	495.4	495.4	495.4	495.2	495.4	495.4	495.8
165°	512.5	501.4	497.5	497.3	497.4	497.4	497.4	497.6	497.8	498.1	498.4
167.5°	515.9	506.1	503.0	502.5	502.1	501.6	501.6	500.9	500.9	500.6	500.6
170°	516.1	508.3	505.6	505.4	505.6	505.6	505.4	505.5	505.5	505.5	505.7
172.5°	516.6	511.0	508.9	509.2	509.6	509.9	510.3	510.5	510.9	511.4	511.8
175°	517.7	514.2	513.3	513.2	513.5	513.7	513.9	514.2	514.4	514.5	515.1
177.5°	520.0	519.0	518.6	518.6	518.6	518.6	518.6	518.6	518.6	518.7	518.7
180°	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2



TEST NUMBER: P1444847
 CATALOG NUMBER: EHBR1-54-UNV-TA-L940-UPL36

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3
2.5°	43500.7	43551.4	43547.5	43595.0	43592.5	43637.2	43628.2	43666.7	43657.9	43690.9	43671.5
5°	44927.6	45024.1	45055.9	45142.9	45161.0	45238.9	45240.5	45302.4	45294.9	45343.4	45317.6
7.5°	46277.4	46367.4	46410.2	46477.8	46511.7	46567.6	46589.5	46635.6	46646.7	46673.9	46673.0
10°	46391.3	46391.0	46412.2	46402.7	46421.6	46410.7	46433.7	46425.4	46459.5	46450.6	46476.4
12.5°	44858.5	44706.4	44650.9	44514.2	44484.3	44367.1	44375.4	44300.2	44336.5	44290.3	44369.0
15°	41564.2	41211.3	41037.0	40730.2	40633.9	40391.4	40371.7	40210.7	40254.2	40169.9	40293.0
17.5°	36696.3	36140.7	35835.8	35387.7	35209.9	34866.8	34798.1	34590.8	34622.9	34518.5	34667.3
20°	30892.3	30220.9	29836.3	29318.2	29087.1	28678.2	28569.7	28337.8	28366.8	28262.9	28431.2
22.5°	25022.1	24319.4	23885.2	23342.1	23047.0	22662.4	22547.0	22314.0	22327.3	22229.7	22391.5
25°	19627.6	18953.9	18532.5	18039.2	17783.1	17430.4	17309.2	17100.0	17111.8	17031.3	17176.6
27.5°	15183.4	14630.6	14277.9	13864.5	13634.9	13345.1	13226.9	13050.9	13050.4	12991.3	13112.7
30°	11865.0	11403.7	11087.0	10727.0	10511.4	10249.8	10135.6	9978.2	9971.3	9929.4	10025.9
32.5°	9290.0	8879.7	8591.0	8274.0	8080.4	7856.0	7747.9	7621.4	7609.9	7571.9	7651.1
35°	7221.7	6876.2	6628.0	6361.2	6380.8	6049.6	6104.7	5847.5	5777.7	5762.5	5821.4
37.5°	5581.6	5314.0	5112.3	4912.5	4777.1	4637.2	4561.8	4494.2	4486.4	4479.9	4521.2
40°	4368.9	4181.6	4034.9	3897.8	3804.7	3719.2	3672.1	3635.0	3626.2	3621.2	3646.2
42.5°	3536.0	3409.5	3315.0	3231.3	3174.8	3128.4	3102.5	3081.8	3074.9	3075.1	3089.8
45°	2987.4	2910.7	2849.8	2797.8	2761.7	2777.5	2730.8	2755.3	2723.0	2756.5	2734.4
47.5°	2630.9	2565.6	2527.8	2491.0	2469.1	2451.5	2452.2	2452.5	2459.4	2460.5	2467.6
50°	2355.7	2317.9	2291.7	2268.2	2256.8	2247.6	2250.8	2253.2	2259.9	2260.4	2265.7
52.5°	2152.1	2127.2	2111.4	2096.9	2091.7	2086.5	2088.7	2087.7	2090.8	2089.2	2093.5
55°	1986.4	1974.6	1969.7	1964.3	1965.0	1963.6	1964.6	1959.3	1956.1	1952.1	1955.8
57.5°	1850.3	1848.8	1852.1	1854.3	1860.6	1862.8	1864.3	1858.2	1852.4	1847.2	1850.2
60°	1745.5	1748.1	1756.4	1763.1	1772.2	1776.3	1778.9	1775.3	1771.2	1766.9	1769.4
62.5°	1642.2	1646.2	1656.2	1663.6	1674.5	1680.1	1686.4	1686.7	1688.3	1686.7	1688.4
65°	1522.2	1527.2	1536.2	1542.4	1552.5	1557.4	1563.9	1565.0	1568.5	1567.7	1570.8
67.5°	1431.1	1435.6	1443.1	1449.0	1457.9	1463.1	1468.6	1469.0	1470.2	1470.0	1472.8
70°	1333.8	1336.1	1342.8	1347.7	1356.7	1362.0	1368.4	1370.3	1374.3	1374.9	1378.1
72.5°	1230.1	1229.2	1233.2	1235.5	1242.2	1246.4	1254.5	1258.9	1265.6	1267.4	1269.8
75°	1117.2	1116.3	1121.0	1123.0	1128.8	1132.9	1142.0	1148.0	1158.3	1162.7	1161.6
77.5°	986.5	988.8	997.7	1002.6	1010.4	1015.7	1027.5	1036.9	1055.9	1064.3	1055.8
80°	840.3	842.7	852.0	856.6	866.7	873.1	886.4	897.5	914.5	918.2	913.4
82.5°	660.6	661.3	669.7	673.1	686.3	695.7	712.5	721.3	731.9	730.2	729.0
85°	450.5	456.5	466.9	477.4	493.3	508.7	524.5	537.7	528.3	543.0	526.7
87.5°	240.7	240.1	254.2	251.9	274.4	287.3	301.0	307.6	315.0	313.5	313.7
90°	65.6	62.1	62.1	58.3	59.4	55.3	57.5	53.8	56.7	52.0	59.4
92.5°	64.1	61.5	58.6	56.0	53.1	50.5	47.6	44.8	42.1	39.3	42.1
95°	78.1	75.6	72.9	70.2	67.7	65.1	62.6	60.1	57.5	55.0	58.1
97.5°	95.9	94.4	92.9	91.4	89.9	88.5	87.0	85.5	83.8	82.4	84.5
100°	108.1	108.1	108.1	108.1	107.8	107.8	107.8	107.8	107.8	107.8	109.5
102.5°	203.9	199.1	194.2	189.1	184.3	179.4	174.6	169.7	164.8	160.0	167.1
105°	456.4	437.3	418.2	399.1	379.9	360.8	341.8	322.7	303.7	284.6	304.3
107.5°	844.4	809.5	774.7	739.9	705.0	670.3	635.6	600.8	566.2	531.4	562.5
110°	1177.0	1140.1	1103.1	1066.3	1029.2	992.2	955.3	918.5	881.6	844.8	874.4



TEST NUMBER: P1444847
 CATALOG NUMBER: EHBR1-54-UNV-TA-L940-UPL36

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	1312.1	1287.8	1264.1	1240.1	1216.3	1192.5	1168.7	1145.0	1121.3	1097.6	1112.0
115°	1294.7	1283.3	1271.8	1260.4	1249.0	1237.5	1226.0	1214.9	1203.6	1192.4	1193.3
117.5°	1188.4	1184.3	1180.5	1176.5	1172.6	1168.8	1165.1	1161.5	1157.8	1154.3	1146.3
120°	1035.2	1036.1	1036.9	1038.1	1039.3	1040.6	1041.6	1043.1	1044.6	1046.1	1035.2
122.5°	884.4	886.7	889.3	892.0	894.7	897.6	900.4	903.6	906.8	909.9	899.1
125°	753.6	755.9	758.4	760.9	763.2	766.3	769.1	772.2	775.2	778.6	769.4
127.5°	660.1	660.6	661.0	661.8	662.5	663.6	664.7	666.1	667.6	669.2	663.5
130°	601.7	600.3	598.7	597.6	596.2	595.4	594.7	593.9	593.3	593.1	590.7
132.5°	569.1	566.3	563.6	560.9	558.3	556.2	553.9	552.1	550.3	548.7	548.1
135°	552.7	549.1	545.5	541.8	538.4	535.6	532.4	529.8	527.1	524.8	525.4
137.5°	542.8	539.2	535.5	532.1	528.6	525.7	522.6	519.9	517.3	514.9	516.0
140°	541.0	537.4	533.6	530.3	527.1	524.1	521.1	518.6	515.6	513.6	514.2
142.5°	537.1	534.1	530.7	527.7	524.6	521.9	519.3	517.0	514.3	512.4	513.2
145°	534.9	532.6	530.1	527.7	525.5	523.7	521.3	519.8	518.1	516.9	517.2
147.5°	530.7	529.1	527.0	525.4	523.5	522.3	520.7	519.5	518.3	517.3	517.4
150°	523.6	522.6	521.3	520.2	519.1	518.2	517.2	516.5	515.7	515.1	515.1
152.5°	515.3	514.5	513.3	512.5	511.5	510.8	510.0	509.4	508.8	508.3	508.2
155°	505.0	504.5	504.1	503.7	503.4	503.4	503.0	503.1	502.8	502.8	503.0
157.5°	499.6	499.7	499.5	499.7	499.7	499.8	499.7	500.2	500.1	500.6	500.9
160°	497.9	497.8	497.6	497.6	497.5	497.4	497.5	497.5	497.6	497.6	498.2
162.5°	496.0	496.5	496.7	496.9	497.5	497.8	498.2	498.9	499.3	499.8	500.4
165°	498.9	498.9	498.9	498.7	499.1	499.2	499.3	499.6	499.8	500.3	500.9
167.5°	500.5	500.8	500.9	501.2	501.6	502.1	502.4	503.2	503.7	504.6	505.0
170°	505.5	505.5	505.5	505.5	505.5	505.9	506.0	506.2	506.3	506.8	507.2
172.5°	512.1	512.1	511.8	512.1	511.8	512.1	512.1	512.2	512.2	512.4	512.6
175°	515.0	515.5	515.7	516.1	516.1	516.3	516.5	516.8	517.0	517.3	517.3
177.5°	518.7	518.8	518.8	518.8	518.8	519.0	519.0	519.0	519.0	518.8	519.0
180°	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2



TEST NUMBER: P1444847
 CATALOG NUMBER: EHBR1-54-UNV-TA-L940-UPL36

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3
2.5°	43703.7	43681.8	43704.1	43681.4	43704.1	43676.9	43695.4	43665.9	43673.5	43642.9	43650.8
5°	45356.1	45321.3	45339.8	45294.6	45299.4	45238.9	45237.8	45167.4	45148.8	45068.7	45033.5
7.5°	46692.4	46681.0	46687.5	46658.3	46654.9	46613.7	46594.0	46535.8	46499.2	46425.4	46375.0
10°	46480.9	46515.0	46523.8	46558.5	46565.7	46600.1	46607.2	46641.6	46648.9	46674.3	46674.6
12.5°	44365.3	44481.0	44508.6	44651.5	44711.6	44875.1	44962.8	45142.9	45249.9	45429.6	45540.0
15°	40289.7	40489.8	40569.6	40848.6	41002.9	41328.6	41533.2	41907.3	42171.2	42568.4	42851.7
17.5°	34680.3	34960.0	35086.2	35464.5	35711.4	36192.0	36538.6	37108.8	37545.4	38179.2	38681.5
20°	28460.0	28770.8	28942.1	29373.8	29665.0	30226.7	30659.2	31360.0	31944.4	32747.4	33434.2
22.5°	22442.3	22738.1	22928.3	23367.3	23695.3	24281.1	24764.5	25504.3	26159.0	27063.9	27887.3
25°	17231.4	17502.5	17674.4	18071.6	18379.6	18917.9	19379.5	20090.9	20731.6	21639.2	22483.6
27.5°	13173.3	13400.2	13566.0	13904.6	14176.2	14632.8	15029.3	15617.3	16169.3	16954.6	17706.4
30°	10085.2	10286.5	10447.7	10742.7	10994.4	11390.2	11738.9	12232.8	12689.7	13314.5	13912.6
32.5°	7706.8	7880.0	8023.7	8281.9	8510.3	8866.8	9180.9	9613.7	10005.9	10535.8	11027.9
35°	5876.1	6217.1	6192.8	6548.9	6606.2	6862.0	7142.3	7520.7	7868.0	8318.7	8737.4
37.5°	4560.9	4656.6	4759.4	4916.8	5082.2	5314.9	5551.7	6014.1	6183.7	6524.3	6871.0
40°	3677.9	3742.6	3810.4	3916.8	4032.6	4196.6	4369.0	4589.7	4815.7	5091.8	5373.8
42.5°	3109.3	3146.0	3189.1	3251.7	3323.0	3427.0	3542.3	3691.9	3849.2	4043.5	4241.9
45°	2778.0	2760.6	2773.4	2807.0	2850.0	2913.2	2985.9	3078.6	3181.0	3306.9	3440.9
47.5°	2469.1	2476.1	2479.9	2498.2	2521.2	2563.6	2607.8	2670.7	2792.0	2829.0	2902.2
50°	2265.1	2268.6	2267.3	2276.7	2288.3	2315.9	2344.5	2387.1	2429.6	2485.9	2539.7
52.5°	2094.2	2098.9	2098.3	2104.4	2110.6	2128.1	2146.1	2176.2	2204.1	2239.9	2270.8
55°	1959.2	1965.7	1968.3	1973.4	1976.4	1985.5	1992.7	2007.1	2019.0	2039.3	2058.0
57.5°	1855.3	1864.3	1868.4	1870.2	1866.6	1866.0	1863.7	1866.6	1869.1	1880.0	1890.5
60°	1773.6	1780.7	1781.9	1780.7	1774.0	1769.3	1761.6	1759.1	1757.9	1763.1	1768.9
62.5°	1688.0	1690.6	1688.8	1686.7	1679.0	1674.4	1666.4	1663.5	1660.8	1664.5	1667.6
65°	1569.6	1571.9	1569.6	1568.3	1561.4	1557.8	1551.1	1548.8	1544.9	1546.0	1545.3
67.5°	1473.5	1475.7	1474.0	1472.2	1467.4	1465.1	1460.2	1457.0	1452.3	1450.6	1447.4
70°	1377.6	1379.4	1376.7	1374.9	1369.5	1367.4	1362.8	1361.8	1358.2	1357.3	1353.7
72.5°	1267.4	1267.6	1263.8	1262.7	1258.7	1258.5	1256.5	1258.3	1258.2	1260.1	1259.3
75°	1154.7	1153.1	1148.3	1147.4	1144.4	1145.8	1143.8	1146.5	1146.9	1151.0	1151.4
77.5°	1041.7	1035.8	1026.7	1022.4	1016.2	1015.5	1012.0	1014.4	1013.5	1018.4	1020.2
80°	899.0	891.9	880.1	874.5	867.4	866.2	863.0	866.2	864.7	870.3	874.3
82.5°	717.7	711.5	699.4	694.9	686.6	687.4	683.8	687.4	686.9	695.2	700.0
85°	530.9	526.8	514.3	503.3	491.0	483.7	476.7	475.4	473.4	476.7	479.6
87.5°	306.7	302.8	293.1	286.7	265.1	266.0	257.5	257.0	255.0	253.0	257.5
90°	58.4	64.7	64.1	69.9	70.0	76.6	77.0	83.3	83.2	89.4	90.3
92.5°	44.8	47.6	50.3	53.1	55.8	58.6	61.3	64.1	70.1	75.6	81.9
95°	61.3	64.5	67.6	70.9	74.1	77.2	80.4	83.6	92.2	100.9	109.7
97.5°	86.7	88.7	90.8	92.9	95.0	97.2	99.2	101.4	110.9	120.2	129.5
100°	111.1	112.8	114.5	116.3	117.9	119.6	121.3	123.0	141.2	159.2	177.3
102.5°	174.3	181.6	188.8	195.9	203.3	210.6	217.7	224.9	266.4	307.6	349.0
105°	324.0	343.7	363.6	383.3	403.0	422.7	442.5	462.2	528.4	594.5	660.8
107.5°	593.6	624.8	655.9	687.3	718.4	749.7	780.8	812.0	876.6	941.2	1005.8
110°	904.1	934.0	963.6	993.4	1023.0	1052.9	1082.7	1112.7	1151.5	1190.2	1229.0



TEST NUMBER: P1444847
 CATALOG NUMBER: EHBR1-54-UNV-TA-L940-UPL36

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	1126.5	1140.9	1155.4	1170.1	1184.5	1199.3	1213.8	1228.6	1248.1	1267.5	1287.1
115°	1194.3	1195.1	1196.2	1197.3	1198.4	1199.4	1200.9	1202.0	1208.3	1214.6	1220.9
117.5°	1138.3	1130.5	1122.7	1114.8	1107.2	1099.7	1092.2	1084.7	1083.7	1082.7	1081.9
120°	1024.9	1014.2	1003.8	993.2	983.0	972.7	962.7	952.7	947.7	942.7	937.9
122.5°	888.7	878.2	867.8	857.5	847.3	837.4	827.5	817.6	814.3	811.1	807.8
125°	760.8	752.1	743.5	735.1	726.9	718.7	710.8	702.7	703.0	703.0	703.6
127.5°	658.3	653.1	648.1	643.0	638.5	633.7	629.2	624.7	627.6	630.3	633.1
130°	588.4	586.3	584.5	582.4	581.1	579.4	578.0	576.5	581.3	585.4	590.1
132.5°	548.1	547.9	548.0	548.0	548.5	548.9	549.7	550.1	555.4	560.3	565.5
135°	526.1	527.0	528.3	529.5	531.1	532.5	534.3	535.8	540.9	545.6	550.7
137.5°	517.3	518.6	520.2	521.8	523.9	525.5	527.8	529.7	533.7	537.7	541.8
140°	515.4	516.3	517.8	519.2	520.7	522.3	524.3	525.9	529.4	532.4	535.5
142.5°	514.4	515.2	516.5	517.9	519.4	520.9	522.6	524.0	526.6	528.7	531.6
145°	518.2	518.8	520.0	520.9	522.1	523.2	524.6	525.7	527.5	529.0	530.7
147.5°	518.1	518.6	519.4	520.2	521.2	522.0	522.7	523.6	524.9	525.8	527.1
150°	515.6	515.8	516.2	516.5	517.2	517.8	518.6	519.0	520.0	520.9	522.1
152.5°	508.8	508.9	509.3	509.5	510.2	510.6	511.0	511.6	512.6	513.3	514.4
155°	503.5	504.1	504.8	505.2	506.1	506.3	507.2	507.7	508.5	509.1	509.9
157.5°	501.5	501.8	502.6	503.0	503.7	504.2	504.9	505.3	506.2	506.6	507.3
160°	498.9	499.8	500.5	501.3	502.2	502.9	503.7	504.6	505.2	505.7	506.3
162.5°	500.9	501.6	502.3	502.7	503.4	504.0	504.5	505.1	506.2	506.6	507.7
165°	501.8	502.5	503.5	504.0	505.0	505.9	506.5	507.4	507.8	508.5	509.0
167.5°	506.0	506.4	507.5	508.2	509.1	509.7	510.6	511.3	511.9	512.2	512.9
170°	507.9	508.6	509.2	510.0	510.6	511.2	512.1	512.6	513.4	513.9	514.8
172.5°	513.2	513.7	514.2	514.6	515.1	515.9	516.4	516.8	517.4	517.9	518.6
175°	517.3	517.3	517.5	517.7	517.8	517.8	518.0	518.3	518.5	518.6	518.8
177.5°	519.2	519.5	519.7	519.9	520.0	520.3	520.5	520.7	520.7	520.7	520.7
180°	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2



TEST NUMBER: P1444847
 CATALOG NUMBER: EHBR1-54-UNV-TA-L940-UPL36

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3
2.5°	43620.2	43622.1	43586.9	43585.0	43552.0	43547.9	43515.8	43506.0	43479.9	43470.5	43443.9
5°	44943.6	44900.8	44801.7	44743.5	44645.6	44580.8	44474.9	44405.8	44303.6	44226.4	44123.6
7.5°	46282.1	46215.5	46104.3	46014.3	45878.4	45770.0	45611.1	45481.0	45308.8	45159.8	44979.1
10°	46674.6	46664.4	46636.0	46594.8	46531.6	46460.6	46352.4	46239.7	46088.8	45925.0	45724.0
12.5°	45708.8	45813.0	45955.3	46039.6	46142.1	46187.1	46229.1	46218.6	46190.9	46108.0	45991.9
15°	43262.0	43555.1	43943.2	44243.9	44590.0	44841.4	45119.1	45292.1	45464.8	45544.4	45593.2
17.5°	39369.9	39924.7	40620.6	41197.3	41862.7	42397.0	42982.9	43423.9	43877.4	44202.3	44496.1
20°	34370.4	35174.4	36158.5	37027.9	38038.9	38917.4	39880.1	40670.5	41485.5	42122.9	42726.1
22.5°	28947.5	29902.4	31092.3	32194.4	33497.7	34669.0	35990.5	37140.7	38341.6	39344.9	40314.9
25°	23615.2	24662.3	25963.4	27193.1	28669.1	30031.5	31598.7	33032.2	34584.4	35932.0	37263.2
27.5°	18745.9	19774.0	21102.2	22411.3	23972.1	25423.8	27103.0	28682.3	30449.6	32079.4	33746.6
30°	14743.9	15615.8	16806.8	18074.7	19614.0	21091.3	22788.8	24413.1	26251.6	28031.1	29909.0
32.5°	11681.1	12345.4	13281.7	14353.8	15774.2	17180.5	18796.8	20364.7	22175.3	23972.8	25925.9
35°	9276.9	9795.0	10509.0	11345.6	12548.4	13760.7	15190.3	16616.3	18305.3	20011.1	21909.4
37.5°	7315.4	7735.7	8294.8	8923.4	9888.1	10882.9	12055.2	13237.4	14705.1	16217.2	17937.6
40°	5712.5	6052.9	6488.2	6956.9	7685.3	8451.9	9358.5	10275.2	11454.4	12690.1	14114.1
42.5°	4487.6	4738.7	5046.2	5388.7	6068.4	6475.4	7090.1	7753.2	8620.1	9517.1	10587.7
45°	3603.9	3775.2	3988.5	4218.2	4533.7	4878.8	5299.9	5741.5	6564.9	6968.9	7619.9
47.5°	3009.7	3124.6	3260.3	3405.1	3591.1	3791.9	4041.6	4296.9	4627.1	4969.3	5370.5
50°	2609.4	2726.4	2772.9	2847.9	2955.6	3070.2	3211.0	3351.8	3528.9	3708.4	3914.9
52.5°	2312.3	2350.4	2401.1	2448.8	2515.5	2646.1	2688.3	2761.9	2861.2	2958.3	3066.8
55°	2085.5	2110.3	2143.3	2172.0	2212.4	2250.9	2306.6	2355.6	2421.7	2480.3	2552.3
57.5°	1908.9	1924.8	1947.6	1966.5	1992.6	2014.3	2046.9	2073.5	2111.6	2144.7	2188.3
60°	1780.7	1791.2	1806.6	1818.9	1835.4	1846.8	1863.0	1875.5	1895.6	1912.4	1936.7
62.5°	1675.8	1681.2	1691.3	1698.6	1709.1	1714.9	1723.5	1728.9	1739.9	1748.4	1762.0
65°	1550.1	1551.4	1558.1	1561.2	1569.5	1572.5	1579.5	1582.1	1591.3	1597.4	1609.4
67.5°	1447.0	1444.2	1444.3	1442.0	1443.1	1440.7	1441.3	1438.7	1442.5	1444.3	1453.5
70°	1353.0	1349.0	1347.7	1343.4	1342.1	1337.7	1336.4	1332.3	1331.9	1330.6	1333.8
72.5°	1261.4	1260.2	1260.5	1257.5	1257.2	1254.2	1254.3	1252.4	1254.5	1255.4	1259.6
75°	1155.9	1156.3	1158.3	1155.6	1156.5	1153.8	1154.8	1152.4	1153.7	1153.2	1157.4
77.5°	1027.6	1030.7	1036.3	1035.2	1036.9	1034.0	1035.3	1032.0	1032.9	1030.7	1032.3
80°	883.4	889.7	897.3	897.0	900.2	898.1	900.9	897.7	899.0	895.2	894.2
82.5°	712.1	717.5	725.5	725.8	732.8	734.1	742.0	741.6	746.5	743.4	741.1
85°	486.8	490.4	497.5	501.3	508.6	513.1	520.5	523.6	518.2	528.1	520.2
87.5°	254.2	263.7	258.3	270.6	267.8	280.2	277.5	289.1	286.9	296.7	295.4
90°	98.3	99.8	108.1	110.1	120.0	123.0	127.3	123.6	127.7	124.4	128.4
92.5°	87.4	93.7	99.6	105.6	111.4	117.6	111.9	106.4	100.9	95.6	89.9
95°	118.3	127.0	135.6	144.4	153.1	161.7	152.4	143.3	134.0	124.7	115.3
97.5°	138.8	148.1	157.4	166.8	176.2	185.5	174.5	163.5	152.5	141.7	130.6
100°	195.3	213.4	231.4	249.5	267.7	285.6	265.2	244.7	224.3	203.8	183.3
102.5°	390.5	431.8	473.3	514.8	556.1	597.5	554.0	510.7	467.0	423.6	380.0
105°	727.1	793.3	859.5	925.7	991.9	1058.4	987.9	917.4	846.8	776.4	705.7
107.5°	1070.6	1134.9	1199.9	1264.3	1329.1	1393.9	1322.5	1250.8	1179.6	1107.9	1036.4
110°	1268.2	1306.9	1345.9	1385.0	1423.8	1463.1	1410.8	1358.8	1306.6	1254.4	1202.2



TEST NUMBER: P1444847
 CATALOG NUMBER: EHBR1-54-UNV-TA-L940-UPL36

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	1306.5	1326.4	1345.8	1365.6	1385.2	1404.8	1367.7	1330.6	1293.2	1256.2	1218.8
115°	1227.5	1233.9	1240.4	1246.9	1253.3	1259.8	1234.8	1209.8	1184.9	1159.9	1134.6
117.5°	1081.0	1080.4	1079.4	1078.9	1077.9	1077.2	1063.3	1049.5	1035.6	1021.6	1007.7
120°	932.9	928.2	923.4	918.5	913.6	908.5	903.0	897.4	891.5	885.6	879.8
122.5°	804.5	801.6	798.2	795.0	791.6	788.3	786.2	784.4	782.3	780.3	777.9
125°	703.9	704.0	704.3	704.7	704.7	705.0	704.0	703.2	702.2	701.4	700.3
127.5°	635.8	638.5	641.2	643.9	646.2	649.0	648.9	649.1	649.0	649.0	648.9
130°	594.4	599.1	603.4	607.5	611.6	616.3	615.7	615.5	615.2	614.8	614.5
132.5°	570.6	575.6	580.5	585.7	590.4	595.3	594.8	594.5	593.6	593.5	592.8
135°	555.4	560.2	564.7	569.7	574.1	578.7	578.0	577.2	576.4	575.9	575.1
137.5°	545.4	549.6	553.2	557.0	560.6	564.4	563.5	562.8	561.9	561.3	560.5
140°	538.6	541.8	544.7	547.8	550.8	553.8	552.6	551.6	550.4	549.4	548.2
142.5°	533.7	536.2	538.2	540.8	542.8	545.2	543.3	541.8	540.2	538.6	536.9
145°	532.2	534.0	535.5	537.0	538.1	539.9	537.7	536.0	533.6	532.0	529.8
147.5°	528.1	529.3	529.9	531.1	531.6	532.8	530.8	528.9	526.9	524.9	522.8
150°	522.7	523.9	524.6	525.4	526.2	527.1	525.0	522.9	520.6	518.6	516.5
152.5°	515.1	516.0	516.8	517.4	518.2	518.8	516.7	515.0	512.8	510.6	508.6
155°	510.2	511.0	511.3	511.9	512.1	512.6	510.7	509.2	507.6	505.8	503.9
157.5°	507.7	508.4	508.9	509.1	509.5	510.0	508.7	507.5	506.0	504.9	503.5
160°	506.8	507.3	507.7	508.1	508.6	508.8	507.6	506.9	505.7	504.5	503.2
162.5°	508.2	509.1	509.5	510.2	510.8	511.3	510.0	508.9	507.5	506.2	504.8
165°	509.5	510.0	510.4	510.9	511.1	511.6	510.7	509.9	508.9	508.2	507.1
167.5°	513.2	513.9	514.2	514.6	514.8	515.1	514.3	513.6	512.6	511.7	510.6
170°	515.2	515.7	516.4	517.0	517.3	517.6	517.2	516.5	515.7	514.9	514.0
172.5°	519.0	519.6	519.8	520.3	520.5	521.0	520.3	519.5	518.8	518.0	517.1
175°	518.8	518.9	519.3	519.3	519.3	519.5	518.8	518.2	517.6	517.0	516.3
177.5°	520.7	520.7	520.7	520.6	520.6	520.6	520.1	519.8	519.3	518.9	518.3
180°	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2



TEST NUMBER: P1444847
 CATALOG NUMBER: EHBR1-54-UNV-TA-L940-UPL36

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3	43163.3
2.5°	43434.4	43415.6	43403.4	43387.9	43378.4	43366.5	43357.7	43350.1	43344.1	43338.5	43334.3
5°	44045.2	43948.1	43872.8	43791.2	43724.2	43657.3	43605.8	43563.1	43533.7	43511.6	43498.4
7.5°	44822.9	44645.1	44487.1	44320.7	44171.6	44024.9	43898.5	43789.6	43707.9	43654.9	43622.7
10°	45517.2	45279.4	45044.0	44796.4	44561.6	44333.8	44123.6	43938.6	43792.3	43695.0	43638.3
12.5°	45828.6	45625.9	45385.6	45116.7	44828.9	44537.8	44254.0	43998.0	43783.1	43639.0	43555.9
15°	45554.4	45471.2	45308.2	45099.4	44826.3	44525.3	44192.0	43878.8	43590.8	43403.9	43295.6
17.5°	44662.5	44778.7	44766.2	44686.4	44490.1	44236.7	43897.1	43545.3	43184.9	42935.2	42798.8
20°	43157.5	43522.6	43707.9	43802.9	43725.8	43561.5	43254.0	42897.0	42476.9	42150.9	41951.9
22.5°	41042.6	41687.1	42088.8	42382.7	42445.0	42389.0	42117.6	41778.0	41309.7	40917.9	40623.9
25°	38320.0	39264.2	39899.0	40396.6	40589.9	40639.8	40408.8	40071.1	39549.2	39092.6	38689.0
27.5°	35113.1	36340.0	37187.6	37856.2	38158.1	38289.0	38076.4	37731.7	37114.2	36569.2	36042.0
30°	31502.8	32958.5	33978.9	34780.7	35148.6	35321.5	35095.6	34711.1	33992.5	33336.6	32672.4
32.5°	27638.6	29231.5	30343.4	31214.1	31578.7	31741.4	31445.9	31014.0	30183.5	29410.8	28636.3
35°	23592.8	25200.6	26322.0	27169.5	27475.1	27573.1	27195.3	26696.0	25775.8	24927.9	24083.2
37.5°	19464.6	20960.5	21979.7	22740.4	22929.4	22946.3	22491.0	21939.7	20972.5	20136.3	19295.6
40°	15372.2	16633.7	17456.5	18065.4	18130.9	18072.4	17577.5	17022.6	16117.7	15368.6	14630.6
42.5°	11517.3	12469.5	13056.6	13473.8	13449.0	13333.3	12879.5	12402.5	11656.1	11085.5	10504.7
45°	8214.7	8842.5	9185.8	9430.0	9351.6	9241.4	8888.2	8553.8	8046.5	7678.0	7287.7
47.5°	5706.9	6456.7	6326.2	6803.4	6392.2	6663.8	6098.2	5786.4	5517.1	5321.4	5100.8
50°	4085.6	4257.4	4340.4	4397.1	4367.0	4325.3	4223.6	4132.8	4009.8	3920.2	3815.7
52.5°	3155.2	3241.1	3288.1	3322.2	3315.5	3300.4	3256.0	3215.5	3157.9	3120.0	3074.2
55°	2672.6	2673.9	2760.4	2723.3	2778.2	2713.9	2739.1	2668.0	2679.5	2618.4	2577.2
57.5°	2220.9	2256.1	2271.9	2287.2	2282.9	2280.2	2263.1	2254.4	2235.1	2229.1	2215.4
60°	1953.6	1971.9	1975.7	1982.8	1976.9	1974.6	1961.2	1956.5	1943.4	1941.1	1932.0
62.5°	1770.2	1779.6	1779.6	1779.6	1772.0	1764.6	1749.7	1741.9	1730.9	1728.5	1723.2
65°	1617.2	1627.0	1628.6	1630.8	1625.2	1619.4	1606.3	1597.8	1586.4	1582.1	1576.0
67.5°	1459.4	1469.8	1473.3	1478.6	1475.4	1474.2	1465.3	1461.9	1454.4	1452.7	1447.0
70°	1335.4	1339.7	1339.4	1339.2	1332.3	1326.0	1315.6	1310.6	1302.8	1301.2	1296.1
72.5°	1261.6	1264.7	1262.8	1260.1	1250.9	1241.7	1229.5	1220.5	1210.3	1204.0	1196.7
75°	1157.8	1161.9	1159.2	1157.6	1149.4	1143.3	1133.5	1128.6	1121.4	1119.3	1114.3
77.5°	1030.4	1032.3	1028.1	1027.6	1021.4	1017.5	1010.2	1008.9	1003.7	1003.8	999.0
80°	888.5	887.3	880.6	879.4	873.1	871.6	865.8	866.1	861.9	863.6	860.3
82.5°	731.1	727.1	718.3	715.7	708.5	707.9	704.0	707.2	704.7	708.5	706.3
85°	523.9	525.0	521.2	521.2	519.1	519.8	519.4	521.8	522.1	525.6	525.5
87.5°	292.1	296.3	295.4	299.3	299.2	303.4	304.9	311.3	312.1	318.0	318.0
90°	125.0	129.8	126.2	131.1	129.7	135.7	135.4	141.4	140.4	145.4	143.0
92.5°	84.4	78.9	73.6	67.9	65.1	62.0	59.9	56.6	54.1	51.1	48.3
95°	106.0	96.7	87.4	78.1	74.9	71.6	68.4	65.2	62.0	58.8	55.6
97.5°	119.6	108.6	97.6	86.6	83.8	81.1	78.2	75.5	72.7	70.0	67.2
100°	162.7	142.2	121.8	101.1	98.8	96.4	94.1	91.8	89.4	86.9	84.6
102.5°	336.6	292.9	249.3	205.7	197.4	189.2	180.9	172.5	164.2	156.1	147.8
105°	635.2	564.5	493.9	423.2	400.7	378.2	355.8	333.2	310.8	288.3	265.9
107.5°	964.6	892.9	821.2	749.5	708.2	666.7	625.2	583.5	542.2	500.5	459.0
110°	1150.0	1097.7	1045.3	992.8	959.7	926.2	892.8	859.3	825.9	792.4	758.9



TEST NUMBER: P1444847

CATALOG NUMBER: EHBR1-54-UNV-TA-L940-UPL36

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1181.5	1144.1	1106.8	1069.1	1054.1	1038.9	1023.9	1008.7	993.6	978.2	963.1
115°	1109.4	1084.2	1059.0	1033.6	1028.5	1023.1	1018.0	1012.5	1007.2	1001.7	996.2
117.5°	993.7	979.6	965.5	951.3	952.2	953.3	954.3	955.1	955.9	956.5	957.3
120°	873.8	867.9	862.1	856.1	860.9	865.5	870.3	874.8	879.3	883.6	888.0
122.5°	775.9	773.6	771.6	769.1	774.9	780.7	786.2	791.8	797.2	802.3	807.5
125°	699.6	698.5	697.5	696.2	702.3	708.0	713.7	719.0	724.6	729.7	735.0
127.5°	648.9	648.9	648.9	648.6	653.1	657.0	661.2	664.9	668.9	672.4	675.9
130°	614.1	613.6	613.4	612.8	616.7	620.6	624.4	627.7	631.4	634.4	637.3
132.5°	592.3	591.7	591.2	590.6	593.6	596.3	599.1	601.4	603.9	605.8	607.9
135°	574.5	573.5	572.9	571.9	574.7	577.3	579.9	582.1	584.4	586.1	588.1
137.5°	559.7	558.9	558.1	557.1	559.7	562.1	564.3	566.3	568.2	570.0	571.5
140°	547.3	545.9	545.2	543.8	546.1	548.1	550.2	552.0	553.9	555.2	556.7
142.5°	535.3	533.4	532.2	530.2	531.9	533.4	534.9	536.2	537.6	538.6	539.4
145°	527.9	525.5	523.9	521.7	522.9	524.1	525.4	526.6	527.2	527.9	528.7
147.5°	521.1	518.8	516.8	514.7	516.0	516.7	517.5	518.0	519.0	519.4	519.9
150°	514.4	511.9	509.7	507.5	508.3	508.9	509.4	510.2	510.7	511.0	511.5
152.5°	506.4	504.3	502.2	499.8	500.4	500.8	501.2	501.5	502.0	502.2	502.4
155°	502.2	500.3	498.3	496.3	496.9	497.1	497.4	497.6	497.8	497.9	498.0
157.5°	502.0	500.1	499.0	497.1	497.1	497.2	497.3	496.8	496.8	496.6	496.4
160°	502.2	500.7	499.5	498.1	497.9	497.8	497.9	497.4	497.3	496.8	496.7
162.5°	503.3	501.8	500.1	498.5	498.3	498.4	498.3	497.9	497.9	497.4	497.1
165°	506.2	505.0	503.9	502.5	502.3	502.1	501.9	501.2	500.9	500.3	499.8
167.5°	509.5	508.5	507.2	505.9	505.9	506.0	505.9	505.6	505.5	505.0	505.0
170°	513.2	512.2	511.4	510.4	510.0	509.9	509.5	509.2	508.8	508.4	507.9
172.5°	516.0	515.2	514.2	513.1	513.1	512.9	512.6	512.4	511.9	511.7	511.5
175°	515.5	514.9	513.9	513.2	513.2	513.0	512.8	512.6	512.3	512.1	511.8
177.5°	517.9	517.4	516.7	516.2	516.1	516.1	515.9	515.8	515.8	515.7	515.5
180°	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2



TEST NUMBER: P1444847
 CATALOG NUMBER: EHBR1-54-UNV-TA-L940-UPL36

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	43163.3	43163.3
2.5°	43330.5	43328.2
5°	43491.5	43489.0
7.5°	43614.1	43613.3
10°	43628.5	43636.0
12.5°	43541.5	43547.5
15°	43287.3	43299.2
17.5°	42801.3	42816.8
20°	41964.0	41980.2
22.5°	40608.1	40614.9
25°	38636.8	38608.9
27.5°	35949.4	35901.2
30°	32533.0	32486.4
32.5°	28459.6	28430.6
35°	23874.4	23856.1
37.5°	19047.1	19009.7
40°	14360.7	14251.6
42.5°	10250.3	10058.8
45°	7083.9	6856.9
47.5°	4945.3	4805.0
50°	3748.4	3703.1
52.5°	3054.3	3043.7
55°	2577.1	2572.5
57.5°	2218.4	2216.9
60°	1936.7	1936.2
62.5°	1726.7	1727.5
65°	1578.8	1579.0
67.5°	1448.5	1447.6
70°	1298.0	1296.9
72.5°	1194.4	1192.6
75°	1114.3	1113.2
77.5°	1000.4	998.7
80°	862.5	860.3
82.5°	709.4	706.9
85°	529.2	529.4
87.5°	323.7	323.7
90°	147.8	144.6
92.5°	45.9	43.4
95°	52.5	49.3
97.5°	64.5	61.7
100°	82.3	79.9
102.5°	139.6	131.3
105°	243.4	221.0
107.5°	417.5	376.0
110°	725.5	692.0



TEST NUMBER: P1444847
CATALOG NUMBER: EHBR1-54-UNV-TA-L940-UPL36

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	947.8	932.5
115°	990.4	984.9
117.5°	957.7	958.3
120°	891.9	896.1
122.5°	812.3	817.1
125°	739.7	744.7
127.5°	679.1	682.1
130°	639.7	642.6
132.5°	609.5	610.9
135°	589.3	590.6
137.5°	572.5	573.6
140°	557.3	558.3
142.5°	540.1	540.6
145°	529.2	529.5
147.5°	519.6	519.9
150°	511.4	511.5
152.5°	502.2	502.3
155°	497.7	497.7
157.5°	495.8	495.4
160°	496.0	495.7
162.5°	496.6	496.3
165°	499.0	498.3
167.5°	504.4	504.3
170°	507.5	507.2
172.5°	511.0	510.6
175°	511.7	511.5
177.5°	515.5	515.1
180°	518.2	518.2

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-7

Test Date: 08/04/2025

Luminaire Tested: EHBR-60-L940-N

Data in this report applies to families of products including EHBR-60-L940-N

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-7
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 08/05/2025
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: Metalux
 Catalog Number: **EHBR-60-L940-N**
 Description: Elevate Round Highbay at, 60000 lumens, 4000K 90CRI LEDs with N lens

Spectral Parameters

CCT (K): 3963
 CIE u': 0.2267
 CIE v': 0.5003
 Duv: -0.0016
 CIE x: 0.3810
 CIE y: 0.3738
 CIE z: 0.2453
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 580
 Purity: 26.49712
 Rf: 90.7
 Rg: 101

CRI (Ra):	93.4		
R1:	95.2	R9:	66.4
R2:	95.1	R10:	86.6
R3:	93.3	R11:	94.4
R4:	94.5	R12:	75.4
R5:	94.2	R13:	95.0
R6:	92.9	R14:	95.4
R7:	94.0	R15:	92.8
R8:	87.7		



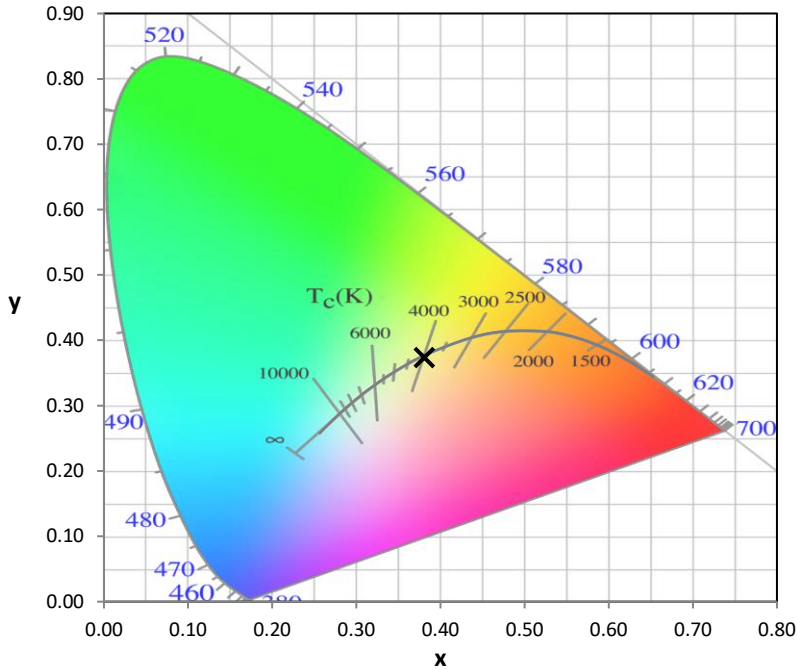
Test Conditions
 Stabilization Time: 44M
 Operation Time: 1H 44M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-7

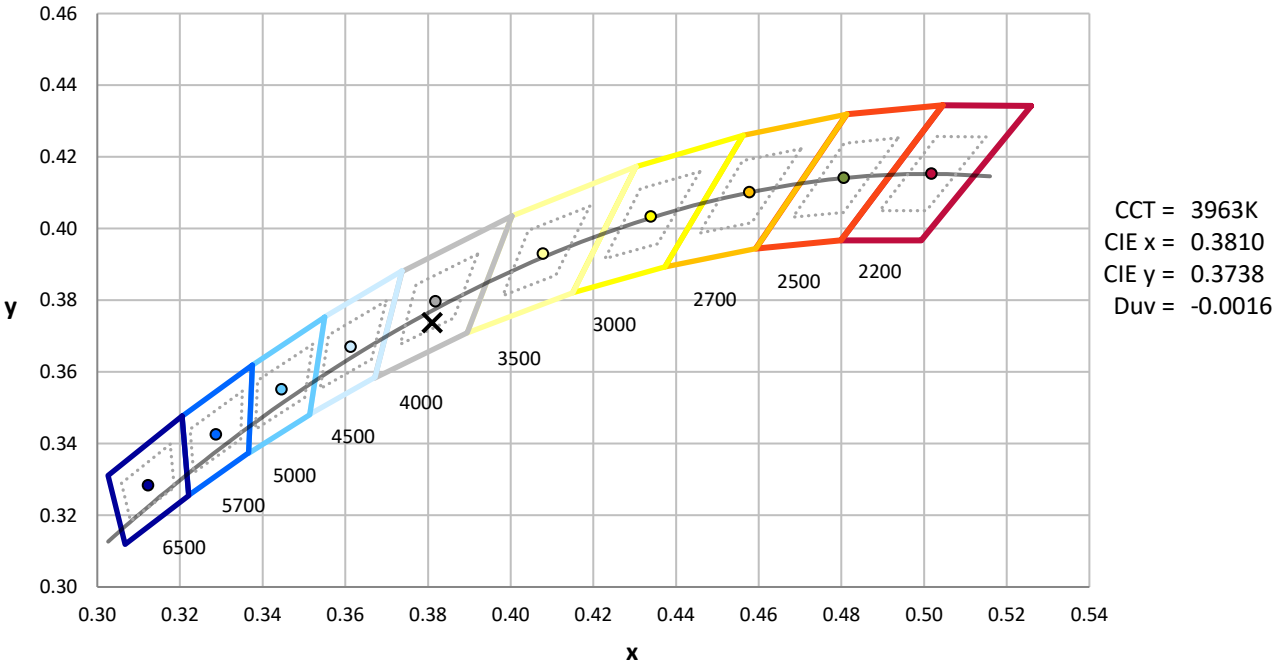
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208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

REPORT NUMBER: SP1-2506-472-7

CIE 1931 Chromaticity Diagram



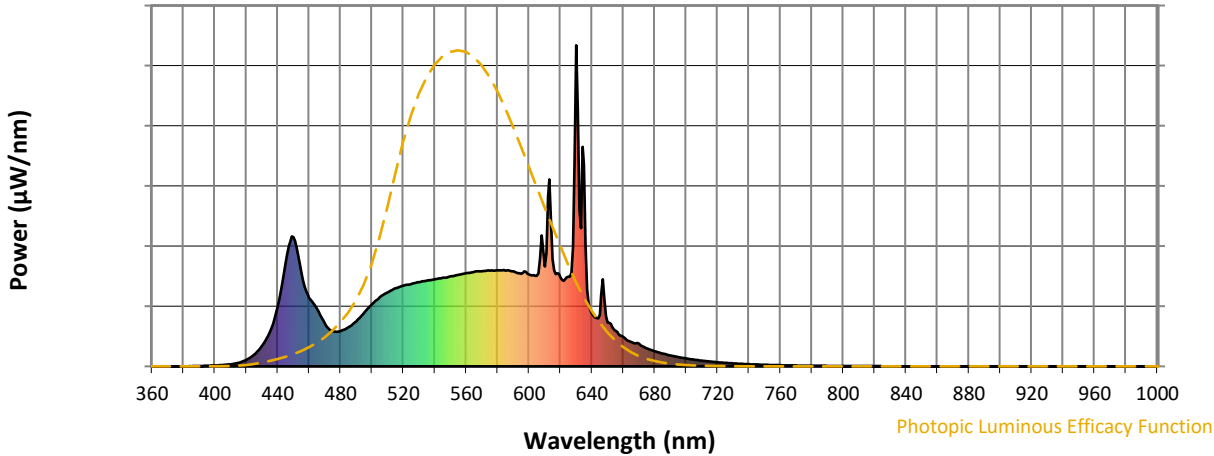
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-7

Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)
360	0	NR	490	141	NR	620	276	NR	750	5	NR	880	0	NR
365	0	NR	495	167	NR	625	279	NR	755	4	NR	885	0	NR
370	0	NR	500	193	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	215	NR	635	628	NR	765	3	NR	895	0	NR
380	0	NR	510	230	NR	640	164	NR	770	3	NR	900	0	NR
385	0	NR	515	243	NR	645	161	NR	775	2	NR	905	0	NR
390	1	NR	520	251	NR	650	137	NR	780	2	NR	910	0	NR
395	2	NR	525	256	NR	655	111	NR	785	2	NR	915	0	NR
400	3	NR	530	262	NR	660	92	NR	790	1	NR	920	0	NR
405	4	NR	535	267	NR	665	76	NR	795	1	NR	925	0	NR
410	6	NR	540	271	NR	670	71	NR	800	1	NR	930	0	NR
415	11	NR	545	276	NR	675	56	NR	805	1	NR	935	0	NR
420	20	NR	550	280	NR	680	47	NR	810	1	NR	940	0	NR
425	37	NR	555	285	NR	685	40	NR	815	1	NR	945	0	NR
430	63	NR	560	290	NR	690	34	NR	820	1	NR	950	0	NR
435	108	NR	565	294	NR	695	29	NR	825	1	NR	955	0	NR
440	186	NR	570	296	NR	700	25	NR	830	0	NR	960	0	NR
445	323	NR	575	298	NR	705	21	NR	835	0	NR	965	0	NR
450	403	NR	580	299	NR	710	18	NR	840	0	NR	970	0	NR
455	293	NR	585	298	NR	715	15	NR	845	0	NR	975	0	NR
460	214	NR	590	296	NR	720	13	NR	850	0	NR	980	0	NR
465	180	NR	595	288	NR	725	11	NR	855	0	NR	985	0	NR
470	132	NR	600	286	NR	730	9	NR	860	0	NR	990	0	NR
475	109	NR	605	282	NR	735	8	NR	865	0	NR	995	0	NR
480	110	NR	610	311	NR	740	7	NR	870	0	NR	1000	0	NR
485	121	NR	615	334	NR	745	6	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-7

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.76

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	141	NR	620	276	NR	750	5	NR	880	0	NR
365	0	NR	495	167	NR	625	279	NR	755	4	NR	885	0	NR
370	0	NR	500	193	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	215	NR	635	628	NR	765	3	NR	895	0	NR
380	0	NR	510	230	NR	640	164	NR	770	3	NR	900	0	NR
385	0	NR	515	243	NR	645	161	NR	775	2	NR	905	0	NR
390	1	NR	520	251	NR	650	137	NR	780	2	NR	910	0	NR
395	2	NR	525	256	NR	655	111	NR	785	2	NR	915	0	NR
400	3	NR	530	262	NR	660	92	NR	790	1	NR	920	0	NR
405	4	NR	535	267	NR	665	76	NR	795	1	NR	925	0	NR
410	6	NR	540	271	NR	670	71	NR	800	1	NR	930	0	NR
415	11	NR	545	276	NR	675	56	NR	805	1	NR	935	0	NR
420	20	NR	550	280	NR	680	47	NR	810	1	NR	940	0	NR
425	37	NR	555	285	NR	685	40	NR	815	1	NR	945	0	NR
430	63	NR	560	290	NR	690	34	NR	820	1	NR	950	0	NR
435	108	NR	565	294	NR	695	29	NR	825	1	NR	955	0	NR
440	186	NR	570	296	NR	700	25	NR	830	0	NR	960	0	NR
445	323	NR	575	298	NR	705	21	NR	835	0	NR	965	0	NR
450	403	NR	580	299	NR	710	18	NR	840	0	NR	970	0	NR
455	293	NR	585	298	NR	715	15	NR	845	0	NR	975	0	NR
460	214	NR	590	296	NR	720	13	NR	850	0	NR	980	0	NR
465	180	NR	595	288	NR	725	11	NR	855	0	NR	985	0	NR
470	132	NR	600	286	NR	730	9	NR	860	0	NR	990	0	NR
475	109	NR	605	282	NR	735	8	NR	865	0	NR	995	0	NR
480	110	NR	610	311	NR	740	7	NR	870	0	NR	1000	0	NR
485	121	NR	615	334	NR	745	6	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-7

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.64

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	141	NR	620	276	NR	750	5	NR	880	0	NR
365	0	NR	495	167	NR	625	279	NR	755	4	NR	885	0	NR
370	0	NR	500	193	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	215	NR	635	628	NR	765	3	NR	895	0	NR
380	0	NR	510	230	NR	640	164	NR	770	3	NR	900	0	NR
385	0	NR	515	243	NR	645	161	NR	775	2	NR	905	0	NR
390	1	NR	520	251	NR	650	137	NR	780	2	NR	910	0	NR
395	2	NR	525	256	NR	655	111	NR	785	2	NR	915	0	NR
400	3	NR	530	262	NR	660	92	NR	790	1	NR	920	0	NR
405	4	NR	535	267	NR	665	76	NR	795	1	NR	925	0	NR
410	6	NR	540	271	NR	670	71	NR	800	1	NR	930	0	NR
415	11	NR	545	276	NR	675	56	NR	805	1	NR	935	0	NR
420	20	NR	550	280	NR	680	47	NR	810	1	NR	940	0	NR
425	37	NR	555	285	NR	685	40	NR	815	1	NR	945	0	NR
430	63	NR	560	290	NR	690	34	NR	820	1	NR	950	0	NR
435	108	NR	565	294	NR	695	29	NR	825	1	NR	955	0	NR
440	186	NR	570	296	NR	700	25	NR	830	0	NR	960	0	NR
445	323	NR	575	298	NR	705	21	NR	835	0	NR	965	0	NR
450	403	NR	580	299	NR	710	18	NR	840	0	NR	970	0	NR
455	293	NR	585	298	NR	715	15	NR	845	0	NR	975	0	NR
460	214	NR	590	296	NR	720	13	NR	850	0	NR	980	0	NR
465	180	NR	595	288	NR	725	11	NR	855	0	NR	985	0	NR
470	132	NR	600	286	NR	730	9	NR	860	0	NR	990	0	NR
475	109	NR	605	282	NR	735	8	NR	865	0	NR	995	0	NR
480	110	NR	610	311	NR	740	7	NR	870	0	NR	1000	0	NR
485	121	NR	615	334	NR	745	6	NR	875	0	NR			

Summary

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



Color Vector Graphics



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

CES01 = 86	CES26 = 90	CES51 = 99	CES76 = 83
CES02 = 62	CES27 = 93	CES52 = 97	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 95	CES78 = 79
CES04 = 69	CES29 = 91	CES54 = 96	CES79 = 94
CES05 = 49	CES30 = 98	CES55 = 95	CES80 = 91
CES06 = 50	CES31 = 92	CES56 = 95	CES81 = 80
CES07 = 42	CES32 = 84	CES57 = 94	CES82 = 96
CES08 = 41	CES33 = 95	CES58 = 95	CES83 = 95
CES09 = 29	CES34 = 90	CES59 = 98	CES84 = 93
CES10 = 74	CES35 = 94	CES60 = 93	CES85 = 82
CES11 = 57	CES36 = 84	CES61 = 93	CES86 = 84
CES12 = 63	CES37 = 92	CES62 = 90	CES87 = 90
CES13 = 43	CES38 = 93	CES63 = 92	CES88 = 97
CES14 = 74	CES39 = 98	CES64 = 91	CES89 = 84
CES15 = 71	CES40 = 96	CES65 = 88	CES90 = 99
CES16 = 47	CES41 = 98	CES66 = 88	CES91 = 74
CES17 = 49	CES42 = 89	CES67 = 87	CES92 = 78
CES18 = 56	CES43 = 89	CES68 = 87	CES93 = 87
CES19 = 71	CES44 = 99	CES69 = 88	CES94 = 75
CES20 = 66	CES45 = 93	CES70 = 84	CES95 = 83
CES21 = 85	CES46 = 95	CES71 = 80	CES96 = 91
CES22 = 78	CES47 = 92	CES72 = 93	CES97 = 93
CES23 = 91	CES48 = 96	CES73 = 78	CES98 = 93
CES24 = 90	CES49 = 93	CES74 = 92	CES99 = 94
CES25 = 71	CES50 = 99	CES75 = 81	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)