

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: P1444397

Luminaire Tested: EHBR1-36-UNV-TA-L840-UPL40

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444397
REPORT IS A COMBINATION OF REPORTS P1444358 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-36-UNV-TA-L840-UPL40
Description: Elevate Round Highbay at, 36000 lumens, 4000K 80CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

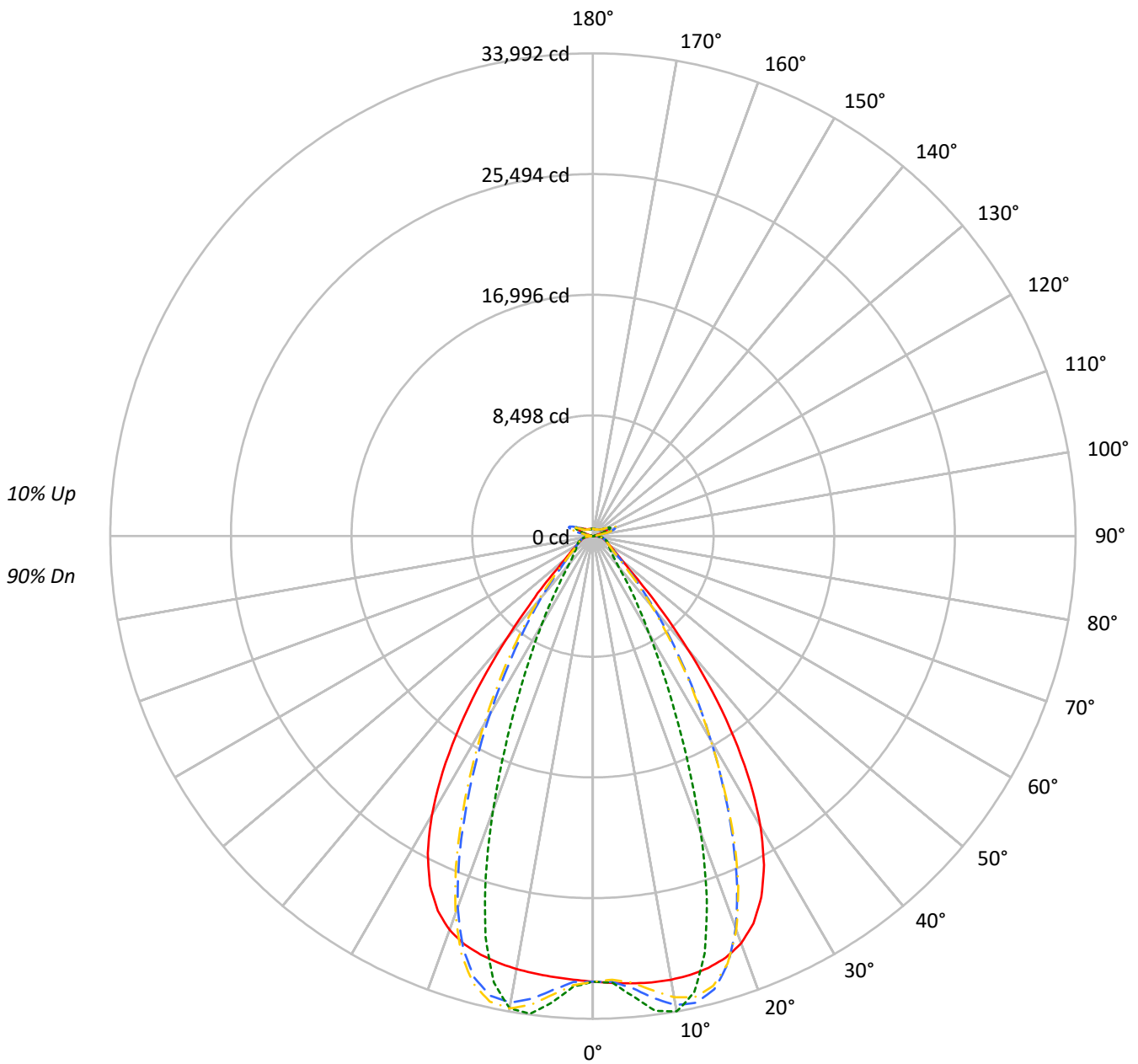
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40241.0 lumens
Efficiency: N/A
Efficacy: 181.3 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 0.77 / 0.88
Luminous Opening: Vertical Cylinder (Dia: 1.71' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 222
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: P1444397
CATALOG NUMBER: EHBR1-36-UNV-TA-L840-UPL40

Luminous Intensity Polar Plot



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



TEST NUMBER: P1444397
 CATALOG NUMBER: EHBR1-36-UNV-TA-L840-UPL40

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	117	117	117	117	113	113	113	113	105	105	105	99	99	99	93	93	93	93	93	93	90
1	109	106	103	100	106	103	100	97	97	95	93	91	90	88	86	85	84	86	85	84	81
2	103	97	92	88	99	94	90	86	89	85	82	84	82	79	80	78	76	80	78	76	74
3	96	89	83	78	93	86	81	77	82	78	74	78	75	72	75	72	69	75	72	69	67
4	90	82	75	70	88	80	74	69	76	71	67	73	69	65	70	66	63	70	66	63	61
5	85	75	69	64	83	74	68	63	71	65	61	68	63	60	65	61	58	65	61	58	57
6	80	70	63	58	78	69	62	58	66	61	56	64	59	55	61	57	54	61	57	54	52
7	76	65	58	54	74	64	58	53	62	56	52	60	55	51	58	53	50	58	53	50	48
8	72	61	54	50	70	60	54	49	58	52	48	56	51	48	54	50	47	54	50	47	45
9	68	57	51	46	66	56	50	46	54	49	45	53	48	44	51	47	44	51	47	44	42
10	64	54	47	43	63	53	47	43	51	46	42	50	45	42	48	44	41	48	44	41	40

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	147350	147350	147350	147350
5°	148063	152381	145991	154377
10°	149299	159988	145719	158930
15°	150032	145028	145464	139189
20°	148481	108041	143621	99964
25°	140543	68330	135898	61997
30°	122774	41061	118019	37526
35°	94488	25766	89053	22824
40°	59772	16163	54686	15188
45°	30808	12592	30297	12385
50°	18062	11200	17509	11026
55°	13838	10596	13326	10501
60°	11709	10824	11210	10684
65°	10997	11303	10576	10919
70°	10744	11837	10209	11391
75°	11487	12553	10867	11997
80°	11888	13899	10780	12688
85°	11196	13413	9049	11484

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 47147 cd/sqm



TEST NUMBER: P1444397
 CATALOG NUMBER: EHBR1-36-UNV-TA-L840-UPL40

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3092.3	7.7
10°-20°	8698.9	21.6
20°-30°	9907.4	24.6
30°-40°	7121.0	17.7
40°-50°	3284.2	8.2
50°-60°	1571.6	3.9
60°-70°	1146.7	2.8
70°-80°	871.2	2.2
80°-90°	403.2	1.0
90°-100°	115.9	0.3
100°-110°	691.5	1.7
110°-120°	1278.0	3.2
120°-130°	775.2	1.9
130°-140°	489.7	1.2
140°-150°	356.3	0.9
150°-160°	243.8	0.6
160°-170°	144.9	0.4
170°-180°	49.1	0.1
0°-30°	21698.6	53.9
0°-40°	28819.6	71.6
0°-60°	33675.4	83.7
0°-90°	36096.5	89.7
90°-120°	2085.4	5.2
90°-150°	3706.6	9.2
90°-180°	4144.0	10.3
0°-180°	40241.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	31377	31377	31377	31377	31377	
5°	31614	32536	31171	32962	31614	3021
15°	31476	30426	30518	29201	31476	8868
25°	28066	13645	27139	12381	28066	12723
35°	17342	4729	16344	4189	17342	10643
45°	4985	2037	4902	2004	4985	4239
55°	1870	1432	1801	1419	1870	1726
65°	1148	1180	1104	1140	1148	1146
75°	809	884	766	845	809	842
85°	385	461	311	395	385	362
90°	115	143	41	48	115	70
95°	53	60	53	60	53	51
105°	247	320	164	321	247	328
115°	1112	1354	1165	1354	1112	1026
125°	827	876	937	878	827	753
135°	638	574	688	577	638	498
145°	556	547	593	552	556	351
155°	512	517	546	521	512	238
165°	503	505	522	507	503	143
175°	511	516	520	517	511	49
180°	517	517	517	517	517	



TEST NUMBER: P1444397
 CATALOG NUMBER: EHBR1-36-UNV-TA-L840-UPL40

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2
2.5°	31497.0	31494.4	31494.0	31491.8	31491.2	31491.2	31490.2	31487.6	31485.9	31482.4	31478.3
5°	31613.9	31612.5	31613.3	31613.6	31611.4	31606.4	31598.8	31589.4	31577.5	31566.4	31556.4
7.5°	31704.3	31706.4	31709.2	31708.6	31701.8	31690.3	31674.6	31665.7	31671.0	31688.0	31727.2
10°	31720.7	31734.3	31739.5	31737.9	31724.2	31714.3	31718.1	31751.3	31817.5	31905.8	32026.5
12.5°	31656.5	31673.0	31672.4	31667.0	31653.6	31667.2	31715.3	31814.3	31956.1	32130.2	32334.4
15°	31475.9	31497.2	31491.2	31484.1	31475.3	31519.5	31615.8	31787.6	32006.7	32252.2	32503.5
17.5°	31125.2	31151.1	31138.5	31130.5	31123.0	31206.0	31371.3	31623.0	31898.9	32176.6	32414.7
20°	30517.1	30534.4	30504.5	30490.5	30502.3	30665.0	30908.4	31229.8	31520.7	31783.2	31946.0
22.5°	29524.6	29546.0	29489.9	29483.4	29552.7	29802.6	30110.6	30469.9	30743.1	30951.3	31013.9
25°	28066.3	28087.4	28020.7	28060.6	28178.5	28518.9	28885.7	29270.0	29503.2	29657.3	29614.8
27.5°	26098.0	26117.4	26054.1	26135.5	26321.9	26769.2	27200.8	27617.6	27825.5	27933.6	27796.6
30°	23615.6	23655.8	23581.0	23694.6	23979.2	24559.8	25054.4	25521.8	25729.1	25811.2	25598.2
32.5°	20667.2	20724.4	20641.9	20811.0	21208.1	21905.5	22467.3	22989.7	23218.9	23312.7	23072.1
35°	17342.0	17423.8	17329.3	17583.0	18072.7	18849.3	19471.5	20054.7	20326.1	20459.2	20216.7
37.5°	13818.9	13897.0	13845.8	14184.3	14722.0	15527.0	16162.1	16791.2	17097.7	17297.4	17106.2
40°	10360.0	10431.4	10470.2	10857.2	11363.1	12121.8	12731.8	13354.2	13697.2	13947.7	13829.9
42.5°	7312.1	7384.2	7515.7	7889.3	8311.0	8939.1	9461.6	10020.5	10348.1	10615.4	10570.0
45°	4984.6	5068.1	5233.1	5538.9	5843.9	6294.5	6678.2	7112.8	7380.4	7625.3	7628.2
47.5°	3493.0	3551.7	3699.0	3907.9	4106.7	4670.8	4694.0	4907.6	5087.5	5270.5	5294.2
50°	2691.9	2727.3	2805.4	2921.9	3034.6	3181.0	3315.0	3469.7	3580.5	3680.8	3704.8
52.5°	2212.6	2235.0	2274.8	2337.9	2403.2	2482.8	2554.6	2639.6	2699.9	2753.6	2764.9
55°	1870.0	1888.6	1947.8	1959.8	2034.5	2049.0	2080.9	2132.6	2167.6	2199.8	2207.8
57.5°	1611.5	1625.0	1637.6	1664.4	1687.5	1721.0	1747.9	1785.0	1807.1	1830.3	1832.3
60°	1407.6	1417.3	1426.2	1444.9	1460.5	1483.8	1502.4	1527.6	1543.5	1560.9	1562.9
62.5°	1255.8	1262.8	1268.7	1281.0	1292.2	1310.1	1324.8	1345.9	1360.6	1374.2	1377.2
65°	1147.8	1153.0	1156.8	1166.1	1175.9	1191.1	1204.5	1221.7	1232.5	1242.9	1245.1
67.5°	1052.3	1057.1	1061.2	1069.6	1076.4	1087.7	1096.7	1109.6	1117.8	1126.0	1126.2
70°	942.7	947.2	950.3	958.2	963.7	973.5	980.6	992.3	1000.6	1009.8	1012.1
72.5°	866.9	869.6	873.7	880.9	888.4	898.9	908.5	920.6	930.8	940.3	944.3
75°	809.2	812.3	815.1	821.2	826.5	835.3	842.5	853.5	862.4	872.6	877.6
77.5°	726.0	729.6	731.9	738.1	742.6	751.1	756.4	766.3	773.5	782.9	787.4
80°	625.4	628.8	630.4	636.2	639.8	647.6	652.8	662.4	668.5	677.7	683.2
82.5°	513.9	517.1	518.0	523.6	525.5	531.9	535.8	545.5	552.9	565.0	573.4
85°	384.8	385.9	387.9	386.4	394.2	394.7	403.5	405.1	416.8	419.8	433.1
87.5°	235.3	238.7	240.4	245.8	248.1	253.5	255.2	260.8	264.0	270.5	273.5
90°	115.3	121.8	124.6	132.2	134.9	141.6	143.9	151.5	154.3	161.8	166.5
92.5°	46.5	49.6	52.7	56.2	59.3	63.2	66.7	70.1	73.4	77.1	83.4
95°	53.2	56.8	60.4	64.1	67.7	71.2	74.9	78.5	82.1	85.8	96.3
97.5°	66.9	70.0	73.2	76.3	79.4	82.6	85.8	88.9	92.0	95.0	107.7
100°	87.3	89.9	92.6	95.2	97.9	100.6	103.2	105.8	108.6	111.2	134.5
102.5°	145.2	154.6	164.1	173.4	182.8	192.2	201.7	211.0	220.5	229.9	279.3
105°	246.7	272.2	298.0	323.4	349.0	374.6	400.3	425.5	451.1	476.7	557.4
107.5°	422.5	469.7	517.0	564.4	611.8	659.0	706.3	753.6	800.7	847.9	929.8
110°	781.6	819.5	857.6	895.8	933.8	972.0	1010.0	1047.8	1086.0	1123.9	1183.8



TEST NUMBER: P1444397
 CATALOG NUMBER: EHBR1-36-UNV-TA-L840-UPL40

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	1054.2	1071.4	1088.7	1106.0	1123.2	1140.3	1157.5	1174.7	1192.0	1209.0	1251.8
115°	1112.0	1118.1	1124.3	1130.2	1136.3	1142.3	1148.3	1154.3	1160.4	1166.2	1195.2
117.5°	1079.2	1078.2	1077.3	1076.2	1075.1	1074.0	1073.0	1071.7	1070.5	1069.3	1085.7
120°	1005.7	1000.3	995.3	989.8	984.6	979.3	974.1	968.6	963.3	957.7	964.8
122.5°	912.8	906.6	900.5	894.0	887.8	881.3	875.0	868.2	862.0	855.4	858.3
125°	826.9	820.6	814.5	808.0	801.4	795.0	788.5	782.0	775.4	768.7	770.2
127.5°	752.2	747.9	743.5	738.8	734.4	729.6	724.9	720.1	715.5	710.5	711.0
130°	703.9	699.9	696.0	691.8	687.7	683.4	679.2	674.6	670.5	665.9	666.7
132.5°	664.1	661.5	658.8	655.7	652.8	649.4	646.5	643.0	639.9	636.7	637.6
135°	637.6	635.1	632.6	629.8	627.1	624.0	621.0	617.8	614.9	611.7	613.0
137.5°	615.1	612.8	610.4	607.9	605.4	602.4	599.7	596.9	594.1	591.1	592.3
140°	594.4	592.4	590.2	587.8	585.6	583.1	580.5	578.0	575.2	572.5	574.0
142.5°	571.3	569.6	568.1	566.1	564.4	562.2	560.3	558.0	556.1	553.7	555.8
145°	556.2	554.8	553.5	551.9	550.3	548.4	546.8	544.7	543.0	541.2	543.2
147.5°	542.8	541.7	540.8	539.5	538.4	536.7	535.3	533.7	532.2	530.7	532.9
150°	531.2	530.2	529.2	528.1	526.8	525.4	524.0	522.7	521.2	519.6	521.8
152.5°	519.0	517.9	517.0	515.9	514.8	513.2	512.1	510.7	509.3	507.9	509.7
155°	511.7	510.7	509.5	508.5	507.3	506.0	504.7	503.5	502.3	500.9	502.4
157.5°	507.0	506.1	505.3	504.3	503.5	502.5	501.5	500.5	499.5	498.5	499.7
160°	504.7	503.9	503.1	502.2	501.3	500.2	499.4	498.3	497.5	496.5	497.3
162.5°	502.8	501.9	501.0	500.2	499.3	498.2	497.3	496.5	495.6	494.6	495.8
165°	502.8	502.3	501.7	501.2	500.6	500.0	499.4	498.6	498.1	497.4	498.1
167.5°	507.0	506.3	505.6	504.8	504.0	503.3	502.4	501.7	501.0	500.1	500.9
170°	508.3	507.7	507.4	507.0	506.6	506.1	505.8	505.3	504.8	504.4	505.0
172.5°	510.9	510.5	510.2	509.9	509.4	509.2	508.9	508.5	508.3	507.8	508.7
175°	510.8	510.4	510.3	510.0	509.8	509.5	509.4	509.2	509.2	508.8	509.3
177.5°	514.2	514.0	514.0	513.9	513.9	513.8	513.7	513.5	513.4	513.4	513.7
180°	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2



TEST NUMBER: P1444397
 CATALOG NUMBER: EHBR1-36-UNV-TA-L840-UPL40

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2
2.5°	31475.3	31471.4	31466.2	31459.6	31453.9	31447.3	31431.6	31426.9	31432.2	31435.6	31442.9
5°	31550.0	31552.2	31553.0	31567.4	31579.7	31610.6	31851.9	31947.9	32022.0	32069.1	32140.7
7.5°	31775.5	31848.1	31919.8	32016.4	32099.6	32212.1	32634.4	32814.2	32942.0	33033.9	33147.0
10°	32157.6	32316.1	32464.6	32638.5	32788.1	32959.4	33352.5	33527.7	33638.2	33718.7	33793.8
12.5°	32542.6	32762.2	32960.7	33154.3	33316.3	33464.7	33603.0	33664.3	33669.5	33672.0	33632.2
15°	32743.1	32953.0	33128.0	33256.0	33351.1	33393.3	33155.1	33030.3	32872.5	32742.5	32528.6
17.5°	32616.5	32742.5	32818.0	32810.6	32771.3	32639.6	31965.4	31594.6	31226.4	30894.7	30459.6
20°	32054.0	32044.4	31978.6	31792.5	31568.2	31219.4	30063.5	29396.5	28751.8	28185.4	27498.4
22.5°	31007.6	30842.9	30613.4	30212.0	29766.0	29156.5	27500.0	26519.0	25621.3	24828.4	23940.0
25°	29491.3	29152.5	28729.2	28091.9	27398.8	26510.0	24468.2	23248.1	22170.4	21235.6	20210.7
27.5°	27550.8	27040.5	26420.1	25538.0	24599.1	23460.3	21196.8	19850.2	18693.2	17691.0	16600.2
30°	25253.5	24589.8	23788.6	22693.8	21561.3	20269.7	17973.9	16610.1	15439.0	14408.0	13316.3
32.5°	22657.2	21880.0	20941.0	19712.3	18487.6	17159.6	14942.5	13622.2	12503.5	11511.8	10523.7
35°	19793.8	18960.2	17966.9	16713.7	15496.2	14205.1	12170.8	10980.3	9992.4	9115.8	8317.9
37.5°	16722.2	15903.7	14959.5	13778.4	12649.5	11479.5	9724.1	8726.6	7897.6	7170.1	6554.0
40°	13528.6	12812.3	11995.4	10974.3	10010.8	9036.5	7595.6	6803.8	6149.6	5594.6	5132.9
42.5°	10374.0	9819.0	9192.5	8385.6	7648.3	6906.4	5797.4	5210.7	4726.2	4326.7	4000.3
45°	7526.7	7155.4	6735.3	6174.3	5664.1	5146.6	4357.3	3945.1	3629.5	3371.9	3154.0
47.5°	5261.5	5046.2	5033.0	4514.7	4140.5	3824.1	3315.6	3055.3	2861.8	2705.7	2567.9
50°	3695.1	3590.8	3461.4	3276.4	3102.8	2923.9	2614.1	2456.7	2343.4	2248.9	2161.7
52.5°	2762.3	2708.3	2639.2	2541.1	2447.0	2346.4	2150.4	2050.2	2014.6	1926.5	1857.5
55°	2206.3	2175.3	2136.1	2078.4	2021.2	1998.3	1830.2	1755.9	1708.7	1673.9	1636.9
57.5°	1832.6	1809.5	1786.3	1747.2	1714.1	1673.9	1584.7	1546.6	1518.6	1498.2	1472.4
60°	1563.2	1549.4	1536.4	1513.5	1495.5	1473.9	1417.3	1395.7	1381.1	1368.8	1352.5
62.5°	1379.7	1372.6	1365.9	1353.7	1344.6	1332.9	1294.1	1283.9	1276.5	1270.3	1260.3
65°	1247.3	1242.2	1238.4	1230.3	1225.8	1219.0	1185.7	1178.7	1174.2	1172.0	1166.1
67.5°	1127.0	1121.6	1119.2	1113.3	1111.5	1107.2	1079.9	1076.1	1074.6	1075.3	1073.2
70°	1014.3	1012.1	1013.3	1012.4	1015.0	1015.8	999.2	999.1	1000.9	1004.4	1004.8
72.5°	946.9	946.9	948.2	948.8	951.2	952.4	938.7	938.0	938.8	941.4	941.5
75°	882.8	883.8	887.3	888.4	891.4	892.0	873.8	871.7	871.8	874.3	873.4
77.5°	793.9	797.7	804.4	807.8	813.5	814.5	794.1	791.7	791.8	794.3	792.2
80°	693.1	700.4	710.9	718.3	726.9	730.4	709.4	704.5	699.8	699.1	694.9
82.5°	585.9	594.9	607.6	614.3	623.5	625.5	590.5	583.9	580.0	580.3	576.4
85°	447.4	454.2	465.7	469.3	475.0	474.5	434.6	417.4	422.0	414.9	420.5
87.5°	280.6	284.5	291.8	292.7	295.3	294.8	254.6	246.6	244.3	244.5	241.6
90°	175.5	180.6	189.3	191.8	198.5	200.4	170.2	169.0	164.1	163.5	157.3
92.5°	90.2	96.6	103.1	109.5	116.1	122.7	125.4	130.8	124.4	117.3	111.1
95°	107.0	117.5	128.1	138.8	149.4	160.0	170.7	181.3	171.4	161.4	151.6
97.5°	120.2	132.8	145.2	157.8	170.3	182.9	195.4	208.1	197.5	186.5	175.9
100°	158.0	181.4	204.7	228.2	251.5	275.0	298.5	321.9	301.3	280.5	259.9
102.5°	328.9	378.8	428.4	478.1	527.7	577.6	627.4	677.1	629.9	582.5	535.3
105°	637.9	718.5	799.1	879.3	960.0	1040.6	1121.4	1202.0	1126.5	1051.1	975.6
107.5°	1011.4	1093.3	1174.8	1256.4	1338.2	1420.0	1502.1	1583.9	1510.3	1436.4	1362.9
110°	1243.4	1302.9	1362.7	1422.2	1481.8	1541.3	1601.8	1661.5	1617.2	1572.9	1528.8



TEST NUMBER: P1444397
 CATALOG NUMBER: EHBR1-36-UNV-TA-L840-UPL40

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	1294.2	1337.1	1379.7	1422.3	1464.8	1507.5	1551.2	1594.1	1571.8	1549.5	1527.5
115°	1223.8	1252.8	1281.5	1310.2	1338.9	1367.7	1397.7	1426.8	1419.7	1412.6	1405.5
117.5°	1101.7	1117.9	1134.0	1150.2	1166.1	1182.2	1200.1	1216.3	1217.6	1218.9	1220.4
120°	971.6	978.6	985.4	992.3	998.9	1005.8	1014.5	1021.7	1027.8	1033.7	1039.8
122.5°	860.9	863.6	866.1	868.8	871.4	874.0	878.8	882.0	886.1	890.4	894.7
125°	771.5	772.9	774.2	775.6	776.7	778.1	782.1	783.9	784.3	784.5	784.9
127.5°	711.3	711.7	712.0	712.4	712.5	712.9	715.9	716.8	714.4	712.0	709.5
130°	667.5	668.2	668.9	669.7	670.4	671.1	674.8	676.2	671.9	667.5	663.0
132.5°	638.4	639.4	640.2	641.4	642.2	643.1	647.3	648.9	643.9	638.8	633.8
135°	614.0	615.2	616.3	617.5	618.5	619.9	624.5	626.5	621.8	616.8	612.0
137.5°	593.3	594.5	595.6	597.0	598.1	599.3	604.4	606.5	602.8	598.6	595.0
140°	575.4	576.8	578.3	579.8	581.2	582.9	588.3	590.8	587.8	584.8	581.7
142.5°	557.4	559.5	561.5	563.6	565.6	567.9	574.2	577.2	575.1	572.7	570.6
145°	545.4	547.8	550.0	552.5	554.8	557.4	564.4	568.0	566.7	565.1	563.7
147.5°	534.5	536.7	538.8	540.9	543.1	545.8	553.0	556.4	555.8	554.7	553.9
150°	523.7	525.9	528.0	530.2	532.8	535.2	543.2	547.0	546.3	545.6	544.8
152.5°	511.7	513.6	515.5	517.6	519.6	522.0	531.4	535.2	534.7	533.8	533.2
155°	503.8	505.3	506.7	508.5	510.0	512.0	521.9	525.4	525.1	524.7	524.3
157.5°	500.7	501.6	502.6	503.8	505.1	506.2	516.3	519.8	519.4	519.0	518.7
160°	498.2	499.1	499.8	500.8	501.6	502.6	512.9	516.1	515.8	515.4	515.0
162.5°	496.8	498.0	499.1	500.3	501.4	502.6	513.1	516.7	516.1	515.4	514.9
165°	498.7	499.5	500.1	500.8	501.5	502.3	511.9	514.8	514.6	514.2	513.8
167.5°	501.5	502.3	503.0	503.8	504.5	505.5	514.5	517.4	517.1	516.7	516.4
170°	505.5	506.2	506.7	507.4	508.1	509.0	516.5	518.8	518.5	517.8	517.3
172.5°	509.3	510.3	510.9	511.7	512.4	513.3	519.6	521.9	521.6	521.0	520.4
175°	509.9	510.5	511.1	511.9	512.4	513.0	518.0	519.6	519.5	519.3	519.0
177.5°	514.2	514.5	515.0	515.5	516.0	516.4	519.5	520.5	520.4	520.4	520.3
180°	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2



TEST NUMBER: P1444397
 CATALOG NUMBER: EHBR1-36-UNV-TA-L840-UPL40

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2
2.5°	31444.5	31455.5	31457.2	31470.0	31469.0	31484.3	31481.9	31494.4	31487.2	31497.4	31488.8
5°	32183.0	32250.0	32285.0	32350.4	32371.0	32429.6	32446.0	32499.4	32501.6	32544.0	32534.3
7.5°	33227.2	33325.9	33384.5	33465.3	33506.3	33573.6	33603.2	33653.0	33669.0	33708.6	33711.6
10°	33850.6	33898.6	33932.1	33954.7	33975.2	33984.8	33996.1	33993.1	33996.1	33991.7	34001.4
12.5°	33605.5	33535.4	33489.1	33401.4	33350.7	33253.8	33206.2	33113.1	33079.3	32999.2	32987.7
15°	32363.4	32119.4	31947.1	31696.3	31538.8	31292.1	31147.8	30925.3	30823.7	30646.9	30600.4
17.5°	30099.5	29646.6	29296.2	28846.6	28534.6	28114.5	27850.2	27502.4	27311.9	27031.5	26934.3
20°	26925.7	26255.6	25729.9	25103.6	24655.5	24097.0	23739.7	23288.7	23027.0	22682.5	22542.9
22.5°	23199.4	22365.2	21708.6	20968.8	20428.1	19805.9	19377.5	18889.7	18605.0	18230.7	18065.0
25°	19358.9	18438.9	17709.0	16929.5	16358.1	15734.3	15306.0	14826.8	14532.1	14176.9	14012.2
27.5°	15685.6	14754.4	14049.0	13324.3	12800.2	12237.4	11850.8	11432.5	11170.9	10867.6	10712.8
30°	12444.1	11622.8	11022.5	10421.1	9985.2	9528.0	9206.8	8860.0	8630.6	8371.0	8223.3
32.5°	9803.2	9169.2	8699.1	8221.8	7865.1	7483.0	7205.5	6899.5	6692.5	6460.6	6326.9
35°	7764.1	7271.4	6896.4	6503.6	6197.1	5871.7	5627.2	5363.0	5177.3	4977.6	4862.2
37.5°	6134.4	5742.6	5434.1	5107.8	4856.0	4586.5	4495.7	4192.6	4000.1	3840.8	3730.4
40°	4814.3	4502.8	4247.5	3998.0	3792.6	3588.2	3424.0	3262.2	3137.9	3024.0	2945.1
42.5°	3759.5	3533.8	3347.5	3164.6	3014.9	2865.9	2747.1	2635.5	2551.8	2477.3	2426.4
45°	2988.7	2833.5	2703.9	2575.2	2469.5	2370.0	2290.0	2218.9	2164.8	2120.0	2088.3
47.5°	2455.3	2349.1	2257.6	2170.8	2099.0	2033.8	1980.3	1962.8	1904.7	1865.4	1850.6
50°	2086.6	2022.4	1953.0	1888.9	1841.0	1793.4	1758.6	1724.6	1702.8	1684.7	1679.3
52.5°	1811.6	1762.4	1723.9	1683.2	1651.6	1617.6	1593.7	1571.0	1559.1	1549.6	1548.5
55°	1606.9	1572.6	1547.1	1519.9	1500.9	1481.0	1468.6	1456.6	1451.3	1446.6	1447.0
57.5°	1452.2	1429.2	1412.7	1394.9	1384.8	1375.2	1372.0	1369.0	1370.7	1371.3	1374.1
60°	1339.4	1324.5	1314.0	1303.9	1299.6	1296.6	1298.9	1301.6	1307.1	1311.5	1315.4
62.5°	1253.0	1244.5	1239.4	1233.9	1233.5	1233.7	1238.3	1242.9	1249.7	1254.9	1258.7
65°	1164.1	1159.1	1157.5	1154.0	1155.8	1156.8	1162.4	1165.9	1172.8	1176.8	1181.7
67.5°	1074.2	1073.0	1074.1	1074.1	1077.2	1079.8	1085.2	1089.1	1095.0	1098.7	1102.6
70°	1007.8	1008.2	1010.6	1011.1	1014.4	1016.4	1021.0	1023.5	1028.8	1031.9	1036.7
72.5°	943.2	942.2	942.7	941.2	942.4	941.9	944.5	945.7	950.2	952.6	958.4
75°	874.5	871.6	870.9	867.7	867.8	865.6	866.7	866.5	869.5	870.7	874.8
77.5°	791.5	786.6	784.2	779.0	778.8	776.9	779.0	780.3	785.4	787.8	792.6
80°	692.2	684.5	681.0	674.9	675.9	675.6	680.8	684.6	690.9	692.1	698.0
82.5°	575.2	567.5	563.7	557.9	559.2	559.4	564.0	564.8	570.3	572.6	579.6
85°	411.9	414.9	406.6	407.2	405.5	408.7	411.9	415.8	420.3	427.9	433.8
87.5°	242.6	241.6	244.5	244.8	249.0	251.1	257.9	261.7	269.3	275.3	286.0
90°	155.3	149.2	149.3	145.8	147.7	144.4	146.3	142.8	145.6	144.3	148.4
92.5°	103.8	97.4	90.2	83.7	76.7	70.4	66.8	64.1	60.5	57.9	54.2
95°	141.7	131.7	121.8	111.9	102.0	92.1	88.5	84.9	81.2	77.6	74.1
97.5°	165.3	154.6	144.0	133.3	122.6	112.0	109.6	107.2	104.7	102.3	99.9
100°	239.3	218.8	198.3	177.6	157.1	136.5	134.6	132.7	130.8	128.8	126.8
102.5°	488.2	441.0	393.9	346.7	299.6	252.4	244.2	235.9	227.7	219.5	211.3
105°	899.9	824.5	749.0	673.5	598.1	522.7	500.2	477.5	455.0	432.5	410.1
107.5°	1289.2	1215.5	1142.0	1068.4	994.9	921.3	885.7	850.2	814.4	778.8	743.4
110°	1484.3	1440.1	1396.1	1351.8	1307.7	1263.6	1229.6	1195.8	1161.7	1127.8	1093.9



TEST NUMBER: P1444397
 CATALOG NUMBER: EHBR1-36-UNV-TA-L840-UPL40

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	1505.3	1483.2	1461.0	1439.0	1417.1	1394.9	1378.4	1361.8	1345.4	1328.9	1312.1
115°	1398.5	1391.5	1384.4	1377.6	1370.8	1363.8	1362.6	1361.4	1360.1	1359.1	1358.0
117.5°	1221.6	1222.9	1224.1	1225.6	1227.1	1228.6	1237.4	1246.1	1255.1	1264.2	1273.2
120°	1045.7	1051.9	1057.8	1064.1	1070.1	1076.3	1088.0	1100.0	1111.8	1124.0	1136.2
122.5°	898.8	903.2	907.2	911.5	915.9	920.2	931.9	943.7	955.4	967.4	979.5
125°	785.0	785.2	785.5	785.7	786.0	786.5	796.1	805.8	815.6	825.7	835.5
127.5°	707.0	704.4	702.0	699.5	696.9	694.7	700.3	706.1	711.8	717.8	723.7
130°	658.6	654.1	649.5	645.2	640.5	636.2	638.4	640.6	642.9	645.4	648.0
132.5°	628.4	623.4	618.0	612.8	607.5	602.4	602.3	602.3	602.3	602.5	602.8
135°	607.0	602.2	597.1	592.1	587.0	582.3	581.0	579.7	578.6	577.3	576.3
137.5°	591.1	587.1	583.1	579.4	575.1	571.3	569.3	567.8	565.9	564.6	562.9
140°	578.5	575.4	572.2	569.0	565.8	562.8	561.1	559.8	558.4	557.2	555.9
142.5°	568.1	565.7	563.4	561.2	558.8	556.6	554.9	553.6	552.3	551.1	549.8
145°	562.2	560.7	559.2	557.7	556.2	554.7	553.4	552.4	551.4	550.4	549.7
147.5°	553.0	552.0	551.1	550.2	549.1	548.2	547.4	547.0	546.0	545.6	544.9
150°	543.9	542.9	542.0	541.4	540.3	539.5	539.0	538.7	538.2	538.1	537.7
152.5°	532.2	531.5	530.6	530.0	529.0	528.2	527.8	527.7	527.3	527.1	526.6
155°	523.7	523.2	522.7	522.2	521.5	521.1	520.5	519.9	519.5	519.0	518.4
157.5°	518.2	517.8	517.2	516.8	516.1	515.7	515.2	514.8	514.2	513.8	513.3
160°	514.6	514.2	513.7	513.2	512.7	512.3	511.5	510.9	510.0	509.4	508.6
162.5°	514.1	513.5	512.8	512.2	511.3	510.7	510.2	509.6	509.1	508.7	508.1
165°	513.3	512.9	512.4	512.0	511.6	511.2	510.4	509.6	508.9	508.3	507.4
167.5°	516.0	515.6	515.2	514.8	514.2	513.8	513.2	512.5	511.8	511.1	510.3
170°	516.9	516.1	515.7	515.0	514.4	513.7	513.2	512.4	511.8	511.2	510.5
172.5°	520.0	519.6	519.1	518.6	517.9	517.4	517.0	516.4	515.8	515.2	514.7
175°	518.9	518.8	518.7	518.3	518.2	518.0	517.8	517.7	517.4	517.3	517.0
177.5°	520.3	520.2	520.2	520.0	519.8	519.8	519.5	519.2	518.9	518.6	518.3
180°	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2



TEST NUMBER: P1444397
 CATALOG NUMBER: EHBR1-36-UNV-TA-L840-UPL40

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2
2.5°	31497.9	31489.8	31493.6	31478.9	31482.4	31464.6	31462.9	31442.9	31440.8	31421.9	31414.8
5°	32564.3	32546.7	32566.5	32535.7	32541.8	32501.6	32498.3	32446.4	32428.5	32363.6	32335.6
7.5°	33736.4	33729.8	33741.9	33716.0	33715.2	33679.4	33664.6	33618.1	33589.3	33521.1	33477.6
10°	33993.1	33999.2	33989.3	33991.7	33977.8	33973.9	33959.6	33950.5	33927.2	33909.6	33883.4
12.5°	32926.9	32933.3	32892.6	32918.4	32898.0	32945.7	32941.7	32997.8	33006.4	33077.3	33104.3
15°	30462.6	30454.9	30377.0	30426.1	30399.8	30504.2	30527.5	30668.1	30743.1	30923.5	31034.3
17.5°	26740.0	26719.9	26610.1	26669.9	26639.5	26793.4	26845.1	27069.8	27209.9	27500.5	27707.5
20°	22302.5	22264.0	22135.4	22205.6	22174.2	22349.0	22422.8	22694.3	22875.0	23260.0	23533.8
22.5°	17809.9	17749.0	17623.1	17688.6	17658.9	17840.1	17936.1	18208.5	18415.5	18810.7	19130.3
25°	13775.5	13721.3	13599.6	13645.4	13634.3	13787.6	13872.9	14130.6	14334.1	14710.5	15015.6
27.5°	10506.9	10450.5	10340.5	10372.9	10361.8	10492.4	10572.8	10788.1	10963.1	11280.0	11547.9
30°	8041.5	7973.5	7880.2	7898.1	7890.5	7996.2	8071.4	8252.7	8402.6	8670.5	8901.3
32.5°	6163.8	6095.5	6009.7	6018.1	6006.8	6089.8	6151.7	6309.4	6440.1	6667.8	6868.8
35°	4716.2	4796.1	4613.0	4729.0	4608.2	4785.5	4721.7	4820.2	4932.7	5124.5	5292.1
37.5°	3625.6	3569.9	3522.8	3517.8	3517.6	3558.6	3607.1	3702.0	3801.1	3944.0	4091.7
40°	2873.1	2834.1	2803.6	2801.4	2803.6	2832.8	2868.6	2934.2	3006.7	3109.4	3217.9
42.5°	2383.0	2357.0	2338.7	2337.3	2343.2	2363.9	2388.8	2427.8	2475.0	2541.5	2615.9
45°	2062.5	2048.1	2037.8	2037.3	2039.9	2050.7	2065.0	2089.3	2119.2	2160.8	2207.8
47.5°	1837.6	1834.1	1827.7	1827.9	1825.0	1829.4	1831.0	1844.7	1860.6	1891.9	1953.4
50°	1673.8	1673.8	1669.4	1669.2	1665.1	1664.7	1661.3	1666.7	1674.0	1693.5	1713.2
52.5°	1544.4	1544.0	1539.2	1538.2	1533.8	1533.6	1530.6	1532.7	1533.7	1543.5	1555.3
55°	1443.3	1440.2	1433.9	1432.0	1430.3	1432.8	1431.6	1431.8	1430.5	1434.5	1438.0
57.5°	1370.7	1366.7	1360.8	1359.0	1358.6	1361.6	1361.7	1360.6	1355.2	1351.5	1346.3
60°	1313.2	1309.3	1302.9	1301.2	1302.2	1306.4	1306.2	1302.6	1294.5	1287.4	1279.2
62.5°	1256.8	1255.2	1252.0	1251.5	1250.7	1251.4	1248.4	1244.7	1236.7	1229.2	1220.2
65°	1181.1	1181.9	1179.5	1179.8	1176.9	1176.5	1172.1	1168.4	1160.4	1153.5	1144.3
67.5°	1102.5	1103.1	1101.1	1101.1	1099.6	1099.8	1097.2	1093.8	1086.9	1081.3	1074.3
70°	1037.8	1039.4	1038.3	1038.6	1036.7	1036.0	1031.8	1028.6	1021.5	1016.8	1010.4
72.5°	960.2	963.7	963.6	964.4	961.6	960.2	955.2	951.1	944.7	941.0	935.8
75°	876.4	881.0	882.3	884.3	880.3	878.2	872.8	869.5	864.2	862.0	858.7
77.5°	794.7	799.7	804.5	808.9	802.5	796.8	789.9	784.7	777.2	774.4	769.2
80°	703.0	711.7	722.3	731.2	719.7	708.1	696.8	688.4	678.6	674.5	668.0
82.5°	583.2	592.3	598.3	604.0	596.0	587.4	576.5	569.2	558.5	554.5	547.0
85°	443.1	454.4	458.0	461.0	455.9	451.3	441.0	427.2	420.5	410.0	404.4
87.5°	291.4	298.2	299.5	300.5	297.4	295.1	288.5	282.0	270.5	262.1	251.8
90°	146.0	148.3	143.6	143.2	141.2	143.5	138.8	138.6	131.3	129.7	123.3
92.5°	51.4	47.8	44.8	41.6	45.3	47.9	51.6	54.2	57.8	60.5	64.1
95°	70.4	66.8	63.2	59.5	62.5	65.3	68.2	71.1	74.0	76.9	79.8
97.5°	97.5	95.0	92.6	90.2	91.9	93.6	95.2	97.0	98.7	100.4	102.1
100°	124.9	123.0	121.1	119.2	119.2	119.2	119.2	119.2	119.2	119.2	119.2
102.5°	203.0	194.8	186.6	178.4	183.9	189.5	195.0	200.6	206.2	211.8	217.4
105°	387.6	365.1	342.7	320.2	341.8	363.6	385.3	407.1	428.8	450.9	472.6
107.5°	707.8	672.3	636.8	601.3	641.0	680.6	720.2	759.9	799.4	839.1	879.0
110°	1060.1	1026.3	992.5	958.7	1000.7	1042.7	1084.8	1126.8	1168.9	1210.9	1253.3



TEST NUMBER: P1444397
 CATALOG NUMBER: EHBR1-36-UNV-TA-L840-UPL40

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	1295.7	1279.3	1262.9	1246.4	1273.5	1300.5	1327.5	1354.9	1382.0	1409.2	1436.2
115°	1357.0	1356.0	1355.1	1354.1	1366.9	1379.7	1392.5	1405.4	1418.3	1431.1	1444.1
117.5°	1282.0	1291.1	1300.3	1309.5	1313.6	1317.8	1321.9	1326.0	1330.5	1334.7	1338.9
120°	1148.4	1160.4	1172.7	1185.0	1183.3	1181.5	1180.0	1178.3	1177.0	1175.4	1174.2
122.5°	991.6	1003.8	1016.1	1028.3	1024.6	1021.0	1017.5	1013.9	1010.6	1007.3	1004.0
125°	845.7	855.7	866.0	876.3	872.7	869.1	865.5	862.2	858.9	855.4	852.4
127.5°	730.0	736.3	742.4	748.9	747.2	745.4	744.1	742.5	741.2	740.0	738.9
130°	650.6	653.3	656.4	659.2	659.7	660.2	660.9	661.7	662.6	663.5	664.6
132.5°	603.3	603.8	604.4	605.1	607.0	608.9	611.3	613.5	615.9	618.2	621.1
135°	575.6	574.9	574.3	573.8	576.7	579.6	582.7	585.8	589.4	592.8	596.3
137.5°	561.7	560.4	559.5	558.4	561.3	564.1	567.3	570.4	573.7	577.2	581.0
140°	554.7	553.7	553.0	552.1	555.1	557.8	560.9	564.0	567.5	570.9	574.4
142.5°	548.9	547.8	547.0	546.3	548.7	551.4	554.3	557.1	560.3	563.2	566.6
145°	548.8	548.0	547.5	546.9	548.7	550.6	552.7	554.9	557.2	559.4	562.0
147.5°	544.4	544.0	543.6	543.3	544.8	546.2	547.7	549.1	550.9	552.6	554.4
150°	537.7	537.3	537.2	537.2	538.1	538.9	540.0	540.8	542.0	543.0	544.6
152.5°	526.7	526.3	526.5	526.4	527.1	527.9	528.9	529.7	530.8	531.7	533.2
155°	518.2	517.8	517.5	517.2	517.4	517.7	518.1	518.4	519.0	519.4	519.9
157.5°	513.0	512.6	512.3	511.9	511.9	511.8	511.9	512.0	512.2	512.1	512.3
160°	508.1	507.3	506.7	506.2	506.4	506.5	506.7	506.8	507.2	507.4	507.7
162.5°	507.7	507.3	506.9	506.5	506.2	505.8	505.6	505.1	504.9	504.6	504.5
165°	506.8	506.1	505.5	504.7	504.7	504.6	504.5	504.3	504.4	504.2	504.3
167.5°	509.6	508.9	508.2	507.6	507.1	506.4	506.1	505.5	505.0	504.5	504.3
170°	509.8	509.2	508.6	508.1	507.9	507.5	507.4	507.1	506.9	506.8	506.8
172.5°	514.2	513.7	513.1	512.7	512.5	512.2	512.1	512.0	511.8	511.8	511.7
175°	516.8	516.6	516.5	516.3	516.0	515.7	515.3	515.1	514.8	514.5	514.3
177.5°	517.9	517.5	517.2	517.0	516.9	516.9	516.9	516.9	516.9	516.8	516.7
180°	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2



TEST NUMBER: P1444397
 CATALOG NUMBER: EHBR1-36-UNV-TA-L840-UPL40

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2
2.5°	31394.4	31386.2	31364.5	31353.8	31333.7	31323.5	31307.9	31297.7	31285.1	31275.6	31270.7
5°	32264.3	32224.1	32143.7	32094.2	32007.3	31950.1	31863.8	31800.6	31711.5	31645.8	31561.5
7.5°	33396.0	33334.3	33231.3	33153.2	33031.6	32938.8	32802.4	32693.3	32542.6	32417.5	32263.5
10°	33856.7	33820.8	33774.6	33724.3	33656.9	33590.9	33497.8	33402.8	33276.3	33150.5	32986.1
12.5°	33175.7	33209.6	33276.3	33307.5	33358.5	33375.9	33399.2	33388.3	33367.6	33316.3	33241.7
15°	31247.1	31388.4	31611.7	31766.1	31982.6	32134.5	32335.6	32465.0	32614.1	32703.2	32787.9
17.5°	28074.6	28347.9	28741.9	29056.2	29478.1	29821.2	30241.5	30571.9	30953.2	31245.7	31557.2
20°	24011.1	24393.7	24937.6	25399.5	26010.9	26529.4	27193.7	27750.1	28399.2	28940.3	29524.3
22.5°	19637.6	20087.7	20710.9	21268.0	21998.2	22650.3	23482.7	24218.3	25095.8	25882.0	26751.6
25°	15511.7	15952.9	16587.7	17164.6	17952.8	18671.2	19580.5	20424.5	21442.9	22392.4	23482.7
27.5°	11973.5	12365.4	12923.5	13442.7	14164.6	14869.9	15792.7	16692.7	17779.3	18799.8	19974.7
30°	9247.0	9564.9	10012.0	10429.7	11009.3	11586.0	12408.0	13240.4	14321.6	15379.1	16583.6
32.5°	7166.1	7437.1	7810.5	8149.5	8596.1	9031.0	9636.3	10301.5	11249.8	12262.9	13427.5
35°	5547.4	5779.2	6097.0	6389.1	6756.3	7101.5	7553.2	8028.0	8751.8	9603.9	10646.2
37.5°	4422.6	4517.2	4743.9	4983.2	5288.3	5572.0	5925.4	6276.4	6794.2	7466.5	8317.9
40°	3363.4	3513.5	3698.1	3886.6	4117.5	4345.1	4732.7	4919.3	5260.2	5742.8	6403.7
42.5°	2713.8	2819.3	2949.3	3080.4	3241.3	3399.8	3595.9	3795.5	4050.4	4377.2	4847.3
45°	2271.0	2339.8	2423.5	2510.9	2616.5	2724.7	2856.0	2993.1	3165.8	3366.7	3652.3
47.5°	1975.1	2013.2	2067.8	2127.5	2199.9	2274.8	2360.2	2447.5	2554.8	2674.1	2836.6
50°	1744.2	1775.9	1818.4	1858.3	1908.3	1985.0	2018.9	2067.1	2131.7	2201.7	2292.8
52.5°	1577.1	1598.3	1624.9	1647.8	1679.4	1708.1	1745.9	1779.1	1823.8	1865.8	1924.6
55°	1447.0	1454.7	1469.7	1484.5	1506.4	1526.0	1551.8	1573.6	1602.1	1627.3	1664.3
57.5°	1346.5	1347.2	1354.2	1361.8	1375.9	1388.3	1406.0	1420.4	1440.1	1456.2	1478.4
60°	1274.3	1270.4	1271.8	1274.5	1282.4	1290.4	1301.8	1311.1	1323.6	1332.7	1345.1
62.5°	1214.1	1208.1	1206.8	1206.1	1210.0	1212.9	1219.1	1223.6	1230.7	1234.6	1241.3
65°	1138.3	1131.1	1128.4	1125.0	1126.2	1125.3	1127.7	1127.8	1131.4	1132.2	1136.0
67.5°	1069.3	1063.5	1059.9	1055.4	1053.5	1050.3	1049.0	1045.9	1045.4	1042.9	1042.3
70°	1006.6	1000.7	997.7	993.7	991.5	987.4	984.9	979.7	976.7	972.0	969.2
72.5°	933.9	930.6	929.7	927.0	926.3	923.9	922.8	919.3	917.2	913.0	910.7
75°	858.0	855.3	855.0	852.3	852.0	849.3	848.6	844.7	842.7	838.7	837.0
77.5°	767.5	763.5	762.4	759.2	760.0	758.6	759.7	756.7	755.5	751.4	750.2
80°	665.6	660.5	658.4	654.1	655.2	653.3	655.2	655.0	656.6	653.3	652.7
82.5°	545.0	539.3	538.3	535.3	537.3	537.5	541.8	539.4	540.4	537.4	538.6
85°	396.5	392.4	386.5	385.7	382.0	385.8	380.8	384.2	378.8	382.6	377.5
87.5°	245.8	237.2	232.7	226.5	224.2	218.2	215.8	211.5	212.8	210.8	212.0
90°	123.3	117.9	119.4	116.5	119.1	116.9	120.8	120.3	124.5	123.9	128.5
92.5°	66.8	69.9	75.7	81.8	87.4	93.1	98.9	105.0	110.6	116.6	122.2
95°	82.6	85.6	93.3	101.0	108.8	116.5	124.3	132.1	139.8	147.5	155.3
97.5°	103.8	105.5	113.3	121.0	128.7	136.5	144.2	152.3	160.0	167.7	175.5
100°	119.2	119.3	141.3	163.3	185.2	207.2	229.2	251.2	273.4	295.4	317.4
102.5°	223.0	228.5	284.1	339.7	395.3	450.9	506.5	562.2	617.8	673.6	729.3
105°	494.4	516.2	601.0	685.9	770.7	855.6	940.5	1025.6	1110.5	1195.5	1280.3
107.5°	918.6	958.3	1035.0	1111.7	1188.3	1265.1	1341.9	1418.6	1495.2	1572.0	1649.0
110°	1295.3	1337.4	1388.8	1440.1	1491.7	1543.0	1594.4	1645.8	1697.4	1748.8	1800.6



TEST NUMBER: P1444397
 CATALOG NUMBER: EHBR1-36-UNV-TA-L840-UPL40

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	1463.4	1490.6	1520.5	1550.5	1580.5	1610.5	1640.5	1670.5	1700.8	1730.8	1761.0
115°	1457.1	1470.2	1481.7	1493.5	1505.1	1516.8	1528.6	1540.5	1552.4	1564.3	1576.3
117.5°	1343.2	1347.8	1349.4	1351.5	1353.2	1355.3	1357.3	1359.4	1361.5	1363.7	1365.6
120°	1172.8	1171.3	1169.4	1167.6	1165.6	1163.9	1162.2	1160.5	1158.8	1157.2	1155.5
122.5°	1000.7	997.6	995.7	994.0	992.3	990.6	989.1	987.7	986.1	984.7	983.1
125°	849.2	846.2	848.0	849.7	851.5	853.5	855.2	857.3	859.3	861.3	863.3
127.5°	737.7	736.8	741.2	745.8	750.3	755.0	759.6	764.4	769.0	773.9	778.4
130°	665.8	667.2	672.8	678.8	684.5	690.6	696.4	702.6	708.3	714.4	720.2
132.5°	623.7	626.6	631.9	637.8	643.3	649.2	654.8	660.7	666.3	672.3	677.7
135°	600.1	604.0	609.0	614.2	619.4	624.8	629.9	635.3	640.4	645.7	650.8
137.5°	584.4	588.3	592.5	596.6	600.8	605.1	609.4	613.7	617.7	622.0	626.1
140°	578.1	581.9	584.1	586.8	589.2	591.7	594.0	596.5	598.7	601.5	603.7
142.5°	569.9	573.4	574.7	576.3	578.0	579.9	581.4	583.0	584.5	586.0	587.4
145°	564.4	567.2	567.3	567.6	567.9	568.2	568.3	568.6	568.6	568.8	568.9
147.5°	556.5	558.5	558.1	558.1	557.9	557.6	557.5	557.4	556.9	556.8	556.6
150°	545.7	547.2	546.4	546.1	545.3	544.9	544.1	543.6	542.8	542.4	541.6
152.5°	534.2	535.4	534.4	534.0	533.1	532.3	531.4	530.9	530.0	529.3	528.7
155°	520.3	520.9	520.4	520.0	519.6	519.2	518.7	518.6	518.3	517.9	517.6
157.5°	512.5	512.6	512.4	512.1	511.8	511.6	511.4	511.2	511.1	511.2	511.2
160°	507.9	508.3	507.9	507.6	507.4	507.1	506.9	506.9	506.8	507.0	507.0
162.5°	504.2	504.1	503.7	503.4	503.2	503.2	503.0	503.1	503.0	503.1	503.2
165°	504.5	504.7	504.0	503.7	503.3	502.9	502.5	502.3	502.2	502.1	501.9
167.5°	503.9	503.7	503.7	503.8	503.8	504.0	504.1	504.5	504.7	505.1	505.2
170°	506.7	506.8	506.5	506.3	506.1	506.0	505.9	505.8	505.8	505.7	505.7
172.5°	511.7	511.7	511.2	510.7	510.3	509.8	509.3	509.0	508.6	508.2	507.7
175°	513.9	513.7	513.5	513.2	513.0	512.6	512.4	511.9	511.7	511.4	511.2
177.5°	516.6	516.4	516.2	516.2	516.1	516.0	516.0	515.9	515.9	515.9	515.7
180°	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2



TEST NUMBER: P1444397
 CATALOG NUMBER: EHBR1-36-UNV-TA-L840-UPL40

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2
2.5°	31264.5	31264.1	31261.0	31262.5	31263.1	31265.3	31267.9	31270.7	31271.3	31273.6	31274.0
5°	31498.5	31421.1	31363.9	31301.0	31253.7	31211.1	31182.7	31160.1	31151.5	31153.6	31158.8
7.5°	32132.9	31973.2	31841.5	31691.7	31566.8	31434.6	31324.9	31220.7	31144.8	31088.2	31056.5
10°	32829.1	32634.7	32448.6	32231.8	32026.3	31806.8	31608.0	31408.0	31241.1	31096.2	30989.8
12.5°	33138.1	33000.7	32839.8	32635.2	32415.2	32162.1	31906.4	31632.3	31377.4	31140.8	30949.9
15°	32811.0	32811.2	32752.5	32654.5	32501.6	32299.3	32055.6	31770.0	31469.2	31162.4	30882.0
17.5°	31772.5	31968.4	32077.4	32146.3	32125.2	32050.7	31895.7	31676.2	31395.8	31068.9	30726.9
20°	29989.2	30451.4	30780.9	31077.1	31243.2	31353.6	31342.5	31253.2	31053.5	30775.6	30419.2
22.5°	27491.1	28266.8	28878.8	29449.6	29849.9	30175.5	30330.2	30395.9	30305.4	30111.8	29777.2
25°	24456.9	25511.6	26411.6	27285.0	27940.1	28503.2	28841.6	29080.0	29099.0	28997.8	28699.3
27.5°	21085.5	22330.3	23469.3	24630.1	25551.5	26360.9	26892.1	27280.8	27404.3	27388.0	27117.0
30°	17718.2	19025.1	20280.6	21634.3	22774.3	23808.5	24510.0	25035.7	25238.3	25277.2	25016.4
32.5°	14538.3	15827.0	17079.0	18494.2	19748.8	20933.9	21762.8	22387.3	22622.9	22678.4	22392.4
35°	11652.2	12841.1	14031.1	15402.5	16649.9	17877.3	18750.7	19404.4	19624.4	19661.6	19330.4
37.5°	9149.5	10162.4	11199.3	12429.9	13575.4	14728.1	15557.9	16172.4	16332.6	16322.7	15948.1
40°	7042.2	7829.7	8662.9	9675.9	10628.3	11602.7	12303.4	12811.4	12895.6	12833.3	12439.7
42.5°	5295.3	5864.1	6468.1	7224.3	7931.0	8660.2	9170.1	9547.2	9559.2	9460.6	9107.2
45°	3945.1	4499.9	4753.3	5210.5	5665.6	6150.6	6461.8	6694.8	6658.7	6572.0	6303.4
47.5°	3007.4	3220.7	3446.8	3730.4	3995.5	4545.7	4505.0	4879.1	4609.6	4793.4	4388.9
50°	2388.2	2507.4	2629.3	2779.7	2918.2	3062.1	3152.0	3219.1	3210.3	3181.5	3104.1
52.5°	2031.8	2068.7	2128.7	2214.3	2291.5	2369.3	2420.5	2462.2	2463.0	2451.4	2412.1
55°	1698.1	1744.9	1788.0	1843.9	1939.2	1953.8	2027.3	2012.3	2018.2	1997.8	2018.6
57.5°	1497.2	1524.4	1548.7	1582.0	1609.6	1641.6	1660.6	1678.9	1677.1	1673.1	1653.1
60°	1354.9	1369.8	1383.3	1402.8	1417.8	1436.0	1444.8	1454.1	1451.0	1444.3	1426.5
62.5°	1245.1	1254.5	1262.2	1274.8	1284.0	1295.3	1299.8	1303.7	1299.8	1293.3	1277.7
65°	1136.8	1142.9	1147.7	1157.2	1163.7	1173.4	1177.2	1180.9	1177.3	1172.3	1160.4
67.5°	1039.2	1039.8	1039.3	1043.1	1045.1	1050.9	1052.6	1055.3	1051.1	1046.8	1036.7
70°	965.1	963.6	961.7	963.2	963.6	966.3	966.8	966.3	961.4	953.9	942.8
72.5°	907.2	906.4	905.0	906.2	906.2	908.8	908.0	906.7	900.5	893.4	882.4
75°	832.7	832.1	829.4	829.5	827.2	828.0	825.0	823.2	816.4	810.3	800.5
77.5°	745.7	744.2	740.2	738.7	734.2	732.3	726.7	723.9	716.9	712.1	703.7
80°	648.4	646.9	641.7	638.8	631.8	627.4	619.0	614.3	606.2	601.5	593.3
82.5°	536.0	536.6	531.3	527.7	517.7	510.0	498.8	492.8	484.0	479.4	471.0
85°	381.2	375.8	378.7	378.4	372.1	365.5	356.4	350.0	342.6	338.1	332.3
87.5°	209.1	210.4	208.9	207.6	203.1	199.8	192.7	189.0	183.5	180.8	176.4
90°	119.7	116.1	107.7	104.2	95.8	90.5	81.1	76.7	67.9	65.7	60.5
92.5°	115.6	109.2	102.9	96.1	89.9	83.3	76.8	70.3	63.8	61.2	59.4
95°	145.9	136.5	127.1	117.6	108.3	98.8	89.5	80.0	70.6	68.7	66.8
97.5°	164.5	153.4	142.3	131.3	120.1	109.0	98.0	86.9	75.8	74.6	73.4
100°	291.9	266.4	240.8	215.2	189.7	164.1	138.6	113.0	87.5	86.1	84.6
102.5°	667.3	605.2	543.2	481.3	419.4	357.4	295.4	233.3	171.3	162.3	153.5
105°	1186.5	1092.5	999.0	905.1	811.2	717.3	623.7	529.6	435.8	405.7	375.5
107.5°	1560.8	1472.5	1384.4	1296.3	1208.0	1119.9	1031.6	943.3	855.0	802.0	748.9
110°	1730.4	1660.4	1590.6	1520.5	1450.6	1380.5	1310.4	1240.5	1170.3	1124.5	1078.9



TEST NUMBER: P1444397
 CATALOG NUMBER: EHBR1-36-UNV-TA-L840-UPL40

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	1709.9	1658.4	1607.3	1555.9	1504.6	1453.2	1402.0	1350.4	1299.0	1271.3	1243.5
115°	1545.5	1514.4	1483.6	1452.8	1421.7	1390.8	1359.8	1328.7	1297.6	1283.0	1268.3
117.5°	1349.9	1334.1	1318.5	1302.6	1286.7	1270.7	1255.0	1239.0	1223.0	1218.0	1212.7
120°	1151.0	1146.1	1141.2	1136.3	1131.5	1126.6	1121.7	1116.7	1111.6	1112.2	1112.7
122.5°	985.0	986.7	988.6	990.1	992.0	993.6	995.5	996.9	998.6	1002.4	1006.3
125°	867.8	872.3	876.9	881.4	885.7	890.1	894.7	898.9	903.5	907.2	911.2
127.5°	783.7	788.5	793.8	798.7	803.8	808.7	813.9	818.5	823.6	827.1	830.8
130°	724.9	729.0	733.5	737.7	742.2	746.5	750.8	755.0	759.5	762.2	764.9
132.5°	681.8	685.7	689.6	693.3	697.4	701.2	705.0	708.9	713.0	714.9	717.0
135°	653.8	656.6	659.6	662.3	665.4	668.2	671.2	674.1	677.1	678.5	679.9
137.5°	628.4	630.8	633.2	635.6	638.0	640.3	642.9	645.4	648.1	648.5	649.4
140°	606.2	608.7	611.2	613.7	616.3	618.8	621.6	624.3	627.2	627.7	628.5
142.5°	589.5	591.3	593.3	595.2	597.2	599.1	601.4	603.7	605.9	606.6	607.2
145°	571.3	573.5	575.9	578.2	580.5	583.0	585.8	588.3	591.1	591.5	591.9
147.5°	558.4	560.4	562.5	564.5	566.8	568.7	571.2	573.5	575.9	576.2	576.6
150°	544.0	546.0	548.1	550.2	552.6	555.1	557.5	560.0	562.9	563.6	564.2
152.5°	530.9	533.3	535.6	538.1	540.7	543.3	546.1	548.8	551.6	552.2	552.9
155°	520.0	522.2	524.7	527.2	529.8	532.2	535.0	537.6	540.3	541.2	542.0
157.5°	513.4	515.3	517.5	519.7	522.1	524.4	526.8	529.1	531.6	532.3	533.1
160°	508.8	510.8	512.8	514.7	516.8	518.8	520.9	523.1	525.2	525.8	526.5
162.5°	505.1	507.0	509.0	510.9	513.1	515.0	517.1	519.1	521.2	521.9	522.6
165°	503.4	504.7	506.3	507.6	509.1	510.5	512.2	513.5	515.2	515.8	516.8
167.5°	506.5	507.4	508.5	509.5	511.0	512.1	513.3	514.4	515.6	516.3	517.1
170°	506.7	507.6	508.6	509.6	510.9	511.9	512.9	513.9	515.2	515.7	516.5
172.5°	508.4	508.9	509.7	510.4	511.1	511.8	512.5	513.2	514.0	514.8	515.5
175°	511.6	511.9	512.2	512.5	512.8	513.2	513.7	514.2	514.5	515.1	515.7
177.5°	515.9	516.2	516.4	516.6	517.1	517.3	517.6	517.9	518.2	518.9	519.7
180°	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2



TEST NUMBER: P1444397
 CATALOG NUMBER: EHBR1-36-UNV-TA-L840-UPL40

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2
2.5°	31272.9	31272.5	31271.5	31270.1	31268.7	31269.6	31270.9	31274.6	31280.8	31289.9	31301.8
5°	31163.2	31169.5	31173.2	31173.7	31170.3	31168.4	31171.4	31180.0	31197.4	31226.4	31265.7
7.5°	31048.0	31055.9	31068.0	31077.1	31078.8	31076.7	31077.1	31090.6	31122.6	31179.2	31258.6
10°	30925.1	30901.7	30914.0	30936.6	30954.5	30957.8	30960.1	30975.9	31022.7	31108.3	31235.8
12.5°	30811.6	30737.7	30723.3	30743.7	30771.0	30779.6	30777.2	30784.1	30838.9	30952.1	31129.9
15°	30662.3	30523.2	30475.5	30480.8	30514.4	30526.5	30517.6	30504.2	30557.6	30695.8	30926.0
17.5°	30420.6	30196.2	30108.8	30104.9	30144.3	30154.7	30133.1	30091.2	30143.8	30316.3	30602.1
20°	30053.4	29722.0	29557.3	29531.2	29573.9	29561.4	29518.3	29455.0	29524.0	29733.9	30073.6
22.5°	29392.9	28973.1	28691.8	28601.1	28652.2	28618.1	28555.2	28474.4	28566.1	28804.5	29182.9
25°	28313.8	27828.7	27443.6	27227.6	27268.2	27207.2	27138.7	27040.8	27150.2	27423.8	27840.3
27.5°	26727.6	26167.3	25690.0	25332.4	25345.6	25265.6	25186.7	25059.9	25196.5	25520.4	25990.2
30°	24618.4	23970.1	23388.9	22902.8	22859.3	22781.7	22700.9	22534.6	22705.6	23093.3	23642.3
32.5°	21969.6	21249.7	20578.3	19963.7	19847.7	19772.0	19700.0	19508.6	19732.5	20184.4	20815.2
35°	18871.9	18105.1	17377.1	16675.1	16483.0	16407.3	16344.4	16161.1	16440.3	16932.2	17613.5
37.5°	15471.8	14688.5	13965.7	13245.8	12974.4	12871.7	12826.0	12705.9	13028.1	13514.6	14198.6
40°	11981.2	11252.9	10604.8	9969.1	9659.7	9502.6	9478.5	9456.8	9768.2	10190.4	10811.2
42.5°	8715.8	8128.3	7628.5	7142.6	6862.2	6647.7	6647.6	6712.7	6993.2	7309.4	7788.1
45°	6029.1	5634.7	5316.3	4991.6	5078.4	4650.7	4902.0	4773.0	4911.6	5115.5	5426.8
47.5°	4144.4	3929.1	3754.2	3572.8	3440.6	3314.3	3325.4	3406.8	3537.4	3658.3	3820.3
50°	3020.5	2910.9	2821.9	2727.6	2661.8	2606.1	2609.4	2644.6	2713.2	2777.0	2861.7
52.5°	2366.8	2306.4	2257.9	2205.9	2171.4	2143.6	2145.1	2162.3	2199.3	2235.7	2284.4
55°	1950.8	1943.5	1880.6	1833.9	1816.1	1797.4	1800.9	1807.5	1832.8	1854.0	1886.3
57.5°	1634.8	1606.5	1587.7	1563.0	1551.7	1538.7	1541.7	1544.2	1561.0	1575.4	1598.5
60°	1411.6	1391.6	1378.2	1361.4	1354.1	1345.8	1347.6	1349.1	1360.0	1369.3	1386.0
62.5°	1263.4	1245.4	1233.8	1220.9	1215.6	1210.1	1211.4	1211.8	1218.6	1225.4	1238.0
65°	1149.7	1135.4	1125.7	1114.6	1109.2	1103.3	1103.9	1103.9	1109.6	1114.6	1124.0
67.5°	1029.4	1018.7	1012.4	1003.6	999.8	993.9	993.8	991.9	995.7	997.6	1004.1
70°	932.8	922.0	914.1	905.6	900.8	895.7	895.8	895.9	900.2	904.7	912.9
72.5°	873.2	862.9	855.7	848.3	843.9	839.5	838.7	838.2	841.3	843.8	849.3
75°	794.3	786.0	781.8	774.8	771.4	766.3	765.5	763.2	764.7	765.1	769.3
77.5°	698.4	690.7	687.2	680.2	677.2	671.6	671.1	668.6	669.7	668.9	672.0
80°	589.3	582.1	580.3	574.4	573.1	567.9	567.1	563.8	564.8	562.3	563.5
82.5°	467.4	460.8	459.5	454.2	454.2	449.3	449.1	444.4	444.4	440.2	433.8
85°	329.2	324.4	322.5	318.0	316.7	312.9	311.0	306.4	304.8	301.9	301.0
87.5°	173.7	170.7	168.0	166.0	162.1	155.3	154.7	149.9	150.2	146.9	147.1
90°	58.9	54.1	52.5	47.9	46.2	42.8	41.2	42.1	43.6	44.5	46.0
92.5°	57.2	55.1	52.9	50.8	48.5	46.4	44.2	46.4	48.5	50.8	52.9
95°	64.9	63.0	60.9	59.0	57.1	55.2	53.3	55.2	57.1	59.1	61.0
97.5°	72.1	70.9	69.7	68.5	67.3	66.1	64.9	66.2	67.4	68.6	69.8
100°	83.1	81.7	80.2	78.8	77.4	75.9	74.5	76.2	77.7	79.1	80.5
102.5°	144.6	135.7	126.7	117.9	108.9	100.0	91.0	100.0	108.9	118.0	126.8
105°	345.3	315.2	285.0	254.9	224.6	194.4	164.3	194.5	224.7	255.0	285.2
107.5°	695.8	642.9	589.8	536.7	483.5	430.4	377.3	430.5	483.7	536.8	590.0
110°	1033.0	987.3	941.6	895.8	849.9	804.1	758.2	804.2	850.1	896.0	941.9



TEST NUMBER: P1444397
 CATALOG NUMBER: EHBR1-36-UNV-TA-L840-UPL40

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	1215.6	1187.8	1159.9	1132.1	1104.1	1076.3	1048.3	1076.5	1104.6	1132.7	1160.6
115°	1253.8	1239.0	1224.3	1209.6	1194.8	1179.9	1165.0	1180.3	1195.4	1210.3	1225.3
117.5°	1207.5	1202.4	1197.1	1191.9	1186.6	1181.4	1176.0	1181.6	1187.2	1192.9	1198.3
120°	1113.1	1113.8	1114.2	1114.6	1115.0	1115.4	1115.7	1116.0	1116.0	1116.0	1115.8
122.5°	1009.9	1013.7	1017.5	1021.2	1024.7	1028.4	1031.7	1028.8	1025.6	1022.7	1019.3
125°	915.0	919.0	922.8	926.7	930.2	934.0	937.3	934.6	931.5	928.4	925.1
127.5°	834.2	837.7	841.1	844.6	847.8	851.1	854.0	851.8	849.1	846.5	843.5
130°	767.4	770.3	772.7	775.3	777.5	779.9	781.9	780.6	778.8	777.4	775.3
132.5°	718.9	721.0	722.9	724.8	726.4	728.1	729.3	728.8	727.9	727.0	725.8
135°	681.3	682.6	683.8	685.2	686.1	687.1	687.6	687.9	687.6	687.4	686.7
137.5°	649.9	650.7	651.2	651.6	651.9	652.1	652.1	652.9	653.4	654.2	654.3
140°	629.1	629.9	630.4	630.8	631.4	631.7	631.5	632.5	633.0	633.5	633.6
142.5°	608.0	608.6	609.2	609.7	610.0	610.3	610.3	611.2	611.7	612.1	612.4
145°	592.4	592.7	592.9	593.3	593.3	593.3	592.9	594.1	594.8	595.5	596.1
147.5°	576.9	577.5	577.5	577.7	577.7	577.7	577.3	578.4	579.2	579.9	580.5
150°	565.1	565.8	566.4	567.0	567.5	567.8	567.8	568.5	568.9	569.2	569.3
152.5°	553.5	554.2	554.7	555.3	555.7	555.9	556.0	556.6	557.2	557.7	557.9
155°	542.7	543.5	544.3	545.0	545.5	546.1	546.5	547.0	547.3	547.6	547.8
157.5°	533.8	534.6	535.1	535.8	536.3	537.0	537.4	538.0	538.4	538.8	539.1
160°	527.1	527.9	528.4	529.1	529.7	530.2	530.7	531.3	531.7	532.1	532.6
162.5°	523.1	523.8	524.2	524.9	525.4	526.0	526.5	527.0	527.5	528.0	528.3
165°	517.5	518.4	519.1	520.0	520.7	521.7	522.2	522.6	522.7	522.9	523.0
167.5°	517.7	518.6	519.2	520.0	520.6	521.6	522.2	522.5	522.5	522.7	522.7
170°	517.0	517.8	518.4	519.1	519.7	520.5	520.9	521.1	521.1	521.4	521.4
172.5°	516.2	517.1	517.9	518.8	519.5	520.3	521.0	521.0	520.7	520.6	520.2
175°	516.3	517.1	517.7	518.5	519.0	519.7	520.4	520.0	519.9	519.6	519.3
177.5°	520.7	521.7	522.5	523.2	524.1	524.8	525.6	524.9	524.3	523.7	523.0
180°	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2



TEST NUMBER: P1444397
 CATALOG NUMBER: EHBR1-36-UNV-TA-L840-UPL40

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2
2.5°	31318.6	31334.2	31358.2	31379.9	31412.6	31438.4	31477.2	31506.5	31550.3	31578.7	31626.2
5°	31321.3	31382.6	31463.1	31541.8	31636.4	31722.2	31828.8	31919.6	32026.9	32114.3	32223.9
7.5°	31365.6	31483.7	31625.4	31768.1	31929.5	32080.4	32250.6	32404.5	32572.8	32715.2	32870.8
10°	31398.3	31580.5	31789.3	31999.2	32220.3	32425.7	32633.1	32812.3	32979.7	33117.5	33239.3
12.5°	31354.0	31605.0	31872.9	32131.5	32377.3	32589.9	32768.3	32906.1	33001.2	33065.7	33080.9
15°	31203.4	31505.5	31796.7	32054.3	32258.2	32415.5	32497.0	32535.1	32494.2	32426.2	32277.0
17.5°	30922.1	31240.8	31501.1	31704.3	31812.1	31854.7	31787.2	31670.0	31440.6	31186.1	30818.5
20°	30406.3	30703.3	30892.0	31002.9	30974.1	30867.4	30612.8	30303.2	29845.4	29357.5	28713.6
22.5°	29501.7	29761.4	29861.9	29870.1	29694.3	29427.2	28967.9	28436.9	27714.7	26963.8	26040.4
25°	28143.8	28371.3	28387.1	28297.8	27975.8	27543.2	26868.7	26117.6	25136.1	24135.6	22978.4
27.5°	26302.3	26520.4	26467.0	26300.4	25853.4	25274.3	24410.8	23440.5	22230.6	21048.8	19768.7
30°	23987.5	24220.5	24157.9	23944.2	23412.5	22728.1	21712.1	20584.7	19241.4	17979.2	16682.0
32.5°	21217.2	21511.9	21468.6	21265.5	20710.6	19978.3	18875.8	17680.1	16305.7	15061.8	13800.1
35°	18068.3	18426.2	18444.7	18311.9	17796.8	17073.0	15984.3	14827.0	13510.5	12336.9	11171.2
37.5°	14675.8	15090.7	15176.0	15140.1	14713.2	14074.2	13082.3	12044.1	10877.8	9849.4	8852.4
40°	11264.6	11684.5	11830.2	11873.5	11558.5	11063.6	10249.4	9411.4	8460.8	7627.3	6835.7
42.5°	8153.6	8525.9	8666.8	8755.4	8558.7	8228.7	7634.8	7026.3	6329.8	5728.7	5152.4
45°	5662.8	5926.3	6033.3	6122.5	6015.5	5829.3	5454.3	5073.7	4613.9	4221.1	3849.1
47.5°	3959.2	4104.5	4175.1	4218.4	4177.0	4079.8	3875.8	3655.3	3395.7	3166.1	2945.5
50°	2934.7	3012.0	3048.9	3073.9	3043.7	2989.8	2879.3	2759.3	2616.7	2486.7	2359.5
52.5°	2325.6	2369.9	2391.9	2405.4	2388.1	2355.0	2290.7	2219.6	2134.1	2053.7	2011.5
55°	1959.2	1956.9	2007.7	1983.2	2007.7	1952.9	1941.4	1863.1	1792.2	1742.2	1688.2
57.5°	1615.7	1638.7	1648.5	1659.4	1652.3	1642.3	1615.0	1587.0	1549.5	1518.2	1484.8
60°	1398.6	1417.5	1428.2	1439.0	1438.3	1434.6	1418.9	1402.1	1378.7	1360.0	1339.8
62.5°	1249.0	1265.5	1276.0	1286.4	1287.3	1285.8	1273.9	1262.2	1246.2	1234.5	1220.6
65°	1131.4	1142.9	1150.1	1158.3	1157.8	1155.7	1144.8	1135.2	1122.0	1113.9	1103.6
67.5°	1008.2	1017.0	1022.5	1030.3	1031.8	1032.3	1026.4	1021.8	1015.5	1013.1	1009.6
70°	920.6	931.2	940.2	950.1	955.4	957.9	955.4	953.1	949.4	947.8	945.0
72.5°	854.3	863.3	870.3	879.2	884.3	887.8	885.9	884.6	881.4	880.9	879.0
75°	772.0	778.2	782.2	788.9	791.6	795.0	793.5	794.3	793.2	795.8	795.6
77.5°	673.1	677.6	679.5	684.3	684.8	688.8	689.9	694.6	697.9	705.4	709.3
80°	561.7	564.5	564.5	569.6	571.8	578.7	581.9	589.7	593.3	600.0	600.6
82.5°	436.3	433.0	436.3	434.2	440.6	448.3	449.3	456.0	457.5	461.6	458.4
85°	298.3	298.1	295.3	295.8	293.8	294.8	293.6	294.9	293.7	293.8	290.8
87.5°	142.9	144.2	141.1	142.1	139.0	140.5	137.8	139.8	136.7	137.2	132.6
90°	47.3	48.8	49.9	51.6	53.5	57.5	61.8	65.8	70.4	74.5	78.8
92.5°	55.1	57.3	59.5	61.6	63.9	70.4	76.9	83.4	90.1	96.5	103.0
95°	63.1	65.0	66.9	69.1	71.0	80.4	89.9	99.3	108.8	118.2	127.6
97.5°	71.3	72.5	73.8	75.0	76.3	87.4	98.5	109.6	120.7	131.9	142.9
100°	82.1	83.5	85.0	86.6	88.0	113.6	139.2	164.8	190.4	215.9	241.6
102.5°	135.9	144.8	153.8	163.0	171.9	234.0	296.1	358.2	419.9	482.1	544.1
105°	315.4	345.6	376.2	406.3	436.5	530.4	624.5	718.4	812.1	906.0	1000.0
107.5°	643.2	696.4	749.6	802.8	855.9	944.3	1032.6	1121.0	1209.4	1297.7	1385.7
110°	988.0	1033.6	1079.8	1125.7	1171.7	1241.7	1311.9	1382.0	1452.3	1522.2	1592.3



TEST NUMBER: P1444397
 CATALOG NUMBER: EHBR1-36-UNV-TA-L840-UPL40

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	1188.8	1216.7	1244.6	1272.4	1300.5	1352.0	1403.7	1455.2	1506.6	1558.0	1609.5
115°	1240.3	1254.9	1269.8	1284.7	1299.6	1330.7	1361.8	1393.0	1424.1	1455.2	1486.3
117.5°	1203.8	1209.3	1214.7	1219.8	1225.2	1241.3	1257.4	1273.4	1289.5	1305.6	1321.6
120°	1115.7	1115.3	1115.0	1114.6	1114.4	1119.4	1124.7	1129.7	1134.8	1139.9	1144.8
122.5°	1016.0	1012.4	1009.0	1005.5	1001.9	1000.2	998.9	997.2	995.9	994.2	992.8
125°	921.5	918.0	914.5	910.8	907.1	902.9	898.6	894.3	889.9	885.8	881.5
127.5°	840.7	837.5	834.5	831.1	827.9	822.9	818.2	813.3	808.6	803.6	798.7
130°	773.4	771.1	769.2	766.5	764.3	759.9	755.9	751.6	747.5	743.2	739.1
132.5°	724.5	722.9	721.5	719.7	718.1	714.3	710.7	706.9	703.1	699.2	695.6
135°	686.3	685.4	684.8	683.7	682.8	679.8	677.2	674.3	671.6	668.8	666.0
137.5°	654.5	654.3	654.2	654.0	653.8	651.5	649.3	647.0	644.8	642.4	640.2
140°	633.9	633.8	633.8	633.6	633.3	630.8	628.4	626.0	623.6	621.0	618.6
142.5°	612.5	612.6	612.5	612.3	612.2	610.1	608.5	606.6	604.7	602.9	601.1
145°	596.5	596.8	597.1	597.1	597.5	595.1	593.0	590.6	588.5	586.2	584.0
147.5°	581.2	581.4	581.9	582.1	582.6	580.6	578.9	576.8	575.2	573.1	571.5
150°	569.6	569.7	569.7	569.7	569.7	567.6	565.7	563.8	561.9	559.8	558.0
152.5°	558.2	558.4	558.6	558.8	559.0	556.9	554.8	552.7	550.7	548.4	546.4
155°	548.0	548.1	548.3	548.3	548.3	546.4	544.5	542.3	540.4	538.3	536.4
157.5°	539.3	539.5	539.7	539.9	540.0	538.3	536.6	535.0	533.3	531.4	529.7
160°	532.9	533.2	533.4	533.6	533.8	532.3	531.0	529.4	528.2	526.5	525.0
162.5°	528.7	529.0	529.2	529.4	529.6	528.2	526.9	525.5	524.1	522.4	520.9
165°	523.2	523.1	523.2	523.0	523.0	522.0	521.2	520.2	519.3	518.1	517.2
167.5°	522.9	522.7	522.8	522.6	522.7	522.0	521.6	520.7	520.0	519.2	518.5
170°	521.4	521.4	521.4	521.1	521.1	520.4	519.9	519.2	518.7	517.7	517.0
172.5°	520.0	519.6	519.5	519.2	518.8	518.3	517.9	517.5	517.1	516.6	516.1
175°	518.9	518.6	518.4	518.0	517.6	517.5	517.2	517.2	516.9	516.7	516.4
177.5°	522.5	521.9	521.0	520.4	519.8	519.6	519.5	519.3	519.3	519.0	518.8
180°	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2



TEST NUMBER: P1444397
 CATALOG NUMBER: EHBR1-36-UNV-TA-L840-UPL40

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2
2.5°	31655.7	31460.1	31434.4	31448.1	31480.7	31492.8	31528.1	31537.7	31573.2	31581.9	31616.0
5°	32308.8	32050.5	32063.3	32125.5	32219.5	32275.6	32368.0	32416.3	32504.6	32544.8	32624.5
7.5°	32997.6	32794.7	32858.0	32962.7	33091.4	33180.4	33291.5	33363.8	33459.4	33518.9	33595.6
10°	33335.7	33280.1	33349.9	33432.3	33505.7	33563.1	33610.2	33647.8	33672.5	33695.7	33705.7
12.5°	33078.5	33164.5	33176.3	33168.4	33119.7	33082.6	32999.2	32942.6	32842.0	32780.7	32661.0
15°	32124.4	32313.6	32208.8	32050.2	31818.1	31624.6	31351.3	31147.8	30863.3	30670.3	30384.6
17.5°	30450.1	30688.9	30415.9	30048.9	29582.0	29182.6	28685.2	28290.4	27795.8	27436.1	26974.6
20°	28093.1	28316.2	27829.3	27220.9	26498.7	25890.8	25174.0	24602.1	23936.0	23440.5	22842.5
22.5°	25158.3	25317.3	24631.3	23811.1	22891.0	22131.6	21274.6	20588.9	19828.8	19262.3	18624.7
25°	21911.5	21954.5	21131.6	20186.7	19161.1	18307.7	17392.7	16671.9	15896.6	15322.5	14696.8
27.5°	18634.6	18571.7	17682.3	16680.4	15601.6	14714.5	13822.2	13146.7	12467.6	11950.5	11411.4
30°	15541.6	15389.3	14465.8	13435.9	12388.8	11593.7	10852.9	10310.4	9770.2	9360.0	8927.2
32.5°	12705.2	12490.3	11591.4	10626.6	9744.2	9130.6	8581.3	8170.8	7734.6	7388.1	7025.0
35°	10192.9	9964.0	9167.7	8349.7	7681.8	7229.6	6797.8	6461.0	6090.6	5798.3	5482.9
37.5°	8036.9	7849.2	7182.2	6538.5	6033.3	5682.9	5329.1	5053.9	4747.7	4619.2	4282.2
40°	6204.4	6073.3	5551.7	5077.2	4697.9	4533.2	4174.1	3917.0	3688.3	3499.7	3317.0
42.5°	4839.6	4793.2	4285.5	3915.5	3648.4	3441.0	3240.8	3078.4	2920.2	2790.2	2667.4
45°	3551.6	3514.8	3289.4	3075.8	2893.8	2748.8	2613.5	2501.8	2398.4	2312.7	2234.8
47.5°	2765.6	2753.8	2624.0	2491.5	2376.9	2283.8	2196.0	2121.8	2053.2	1996.0	1977.3
50°	2249.4	2247.9	2171.7	2089.9	2008.3	1954.4	1898.4	1854.5	1810.4	1776.1	1739.9
52.5°	1911.1	1903.0	1851.5	1801.1	1752.5	1717.2	1681.4	1653.3	1624.2	1603.0	1580.5
55°	1645.4	1654.1	1624.3	1594.2	1563.8	1541.9	1516.7	1498.3	1478.3	1464.9	1451.2
57.5°	1460.7	1472.2	1456.6	1439.5	1421.1	1406.6	1389.3	1376.5	1363.2	1354.6	1346.7
60°	1326.3	1338.9	1332.7	1324.0	1312.6	1304.0	1293.0	1285.9	1277.3	1272.6	1268.1
62.5°	1212.4	1228.2	1225.9	1221.8	1214.5	1209.7	1203.7	1200.5	1194.9	1192.7	1190.6
65°	1098.7	1116.4	1116.1	1114.0	1110.0	1108.6	1104.9	1104.1	1101.2	1102.4	1102.1
67.5°	1009.3	1024.6	1028.0	1030.4	1030.3	1031.2	1030.9	1032.4	1032.4	1034.6	1036.0
70°	944.7	955.4	957.9	960.6	961.3	963.3	963.3	964.6	964.3	966.1	966.3
72.5°	879.4	893.6	896.1	898.2	898.2	900.2	899.1	898.8	896.0	895.4	893.5
75°	798.3	816.4	820.3	822.8	823.2	825.0	822.5	821.0	816.4	814.5	811.2
77.5°	713.6	732.2	735.1	736.0	734.5	734.9	729.7	726.2	720.3	717.8	714.7
80°	603.2	630.7	632.9	631.2	626.9	626.2	621.2	617.9	610.8	608.4	605.7
82.5°	459.0	491.3	495.8	497.8	494.3	495.1	490.4	488.6	482.0	480.9	476.6
85°	289.8	322.1	327.4	326.6	323.2	322.4	319.6	320.5	320.0	321.7	322.6
87.5°	133.2	164.5	172.0	169.5	169.2	167.0	161.9	163.9	166.9	168.8	169.0
90°	83.0	96.7	100.7	97.9	91.9	88.7	83.1	80.3	75.3	72.4	67.4
92.5°	109.6	116.0	122.6	116.7	111.0	105.1	99.4	93.4	87.8	81.8	76.2
95°	137.0	146.2	155.6	147.8	140.0	132.3	124.5	116.8	109.1	101.3	93.6
97.5°	154.0	164.8	175.8	168.0	160.3	152.5	144.7	137.0	129.3	121.4	113.7
100°	267.1	292.2	317.7	295.7	273.6	251.7	229.7	207.7	185.7	163.8	141.7
102.5°	606.0	667.9	729.6	673.9	618.3	562.6	507.0	451.4	395.8	339.9	284.4
105°	1093.8	1187.2	1280.9	1195.8	1110.8	1026.0	941.0	856.1	771.2	686.1	601.3
107.5°	1474.0	1561.5	1649.4	1572.6	1495.8	1419.2	1342.2	1265.6	1188.8	1111.9	1035.2
110°	1662.4	1731.3	1801.3	1749.5	1698.1	1646.4	1595.0	1543.4	1492.0	1440.7	1389.3



TEST NUMBER: P1444397
 CATALOG NUMBER: EHBR1-36-UNV-TA-L840-UPL40

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	1660.7	1710.9	1761.8	1731.4	1701.5	1671.2	1641.2	1611.0	1581.1	1550.8	1521.1
115°	1517.1	1546.6	1577.2	1565.1	1553.4	1541.3	1529.4	1517.7	1505.8	1493.9	1482.4
117.5°	1337.4	1351.5	1366.9	1364.7	1362.6	1360.3	1358.3	1356.1	1354.3	1352.3	1350.2
120°	1149.8	1152.7	1157.0	1158.5	1160.2	1161.8	1163.5	1165.1	1166.8	1168.5	1170.3
122.5°	991.0	987.1	984.7	986.2	987.6	989.0	990.6	992.0	993.7	995.3	997.0
125°	877.1	870.1	864.9	862.9	861.1	859.0	856.9	855.0	853.2	851.2	849.5
127.5°	793.8	786.2	780.6	775.8	771.2	766.3	761.7	757.0	752.4	747.7	743.2
130°	734.8	727.6	722.5	716.6	710.8	704.7	698.9	693.0	687.0	681.1	675.2
132.5°	691.9	684.9	680.4	674.7	669.2	663.3	657.8	651.9	646.3	640.4	634.9
135°	663.2	657.1	653.5	648.3	643.4	638.1	632.9	627.7	622.7	617.2	612.4
137.5°	637.9	631.9	629.0	624.9	620.9	616.7	612.8	608.4	604.3	600.0	596.0
140°	616.2	609.9	606.7	604.5	602.3	599.7	597.5	595.1	592.9	590.6	588.1
142.5°	599.1	593.3	590.6	589.2	587.8	586.2	585.1	583.6	582.2	580.3	579.0
145°	581.9	575.2	572.1	571.9	572.1	571.9	571.8	571.8	571.7	571.4	571.3
147.5°	569.5	562.7	559.8	560.2	560.5	560.7	561.2	561.3	561.8	562.0	562.4
150°	555.9	548.2	544.8	545.6	546.1	546.9	547.6	548.2	549.0	549.7	550.3
152.5°	544.2	535.2	531.2	532.0	533.0	533.6	534.4	535.3	536.2	537.1	537.9
155°	534.2	524.5	520.3	520.4	520.8	521.1	521.6	522.1	522.6	523.0	523.6
157.5°	527.8	517.7	513.8	513.6	513.8	513.9	514.0	514.2	514.5	514.7	515.3
160°	523.5	513.4	509.6	509.4	509.6	509.5	509.6	509.7	510.0	510.3	510.7
162.5°	519.3	509.5	505.9	505.6	505.6	505.5	505.6	505.6	505.8	505.9	506.3
165°	516.0	507.6	504.4	504.5	504.8	504.8	505.1	505.4	505.7	506.0	506.5
167.5°	517.6	510.2	507.7	507.3	507.0	506.6	506.6	506.2	506.2	505.9	505.9
170°	516.1	510.3	508.0	507.9	508.2	508.2	508.2	508.4	508.4	508.4	508.7
172.5°	515.6	511.3	509.6	509.9	510.5	510.8	511.3	511.7	512.2	512.6	513.1
175°	516.2	513.6	512.9	512.9	513.2	513.4	513.7	513.9	514.2	514.4	514.9
177.5°	518.7	517.8	517.4	517.4	517.4	517.4	517.4	517.4	517.4	517.5	517.5
180°	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2



TEST NUMBER: P1444397
 CATALOG NUMBER: EHBR1-36-UNV-TA-L840-UPL40

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2
2.5°	31622.4	31659.3	31656.5	31690.9	31689.2	31721.5	31715.1	31743.1	31736.7	31760.7	31746.6
5°	32659.7	32729.7	32752.9	32816.2	32829.3	32885.9	32887.1	32932.1	32926.7	32961.9	32943.1
7.5°	33640.9	33706.4	33737.4	33786.6	33811.2	33851.8	33867.8	33901.3	33909.3	33929.0	33928.4
10°	33723.7	33723.5	33738.8	33732.0	33745.7	33737.7	33754.5	33748.4	33773.2	33766.8	33785.6
12.5°	32609.5	32498.9	32458.5	32359.1	32337.4	32252.2	32258.2	32203.5	32230.0	32196.4	32253.6
15°	30214.7	29958.2	29831.5	29608.4	29538.4	29362.1	29347.8	29230.7	29262.3	29201.1	29290.6
17.5°	26675.9	26272.1	26050.5	25724.8	25595.4	25346.1	25296.1	25145.4	25168.8	25092.8	25201.0
20°	22456.8	21968.8	21689.3	21312.6	21144.5	20847.4	20768.4	20599.8	20621.0	20545.5	20667.8
22.5°	18189.5	17678.7	17363.1	16968.4	16753.7	16474.2	16390.4	16220.9	16230.6	16159.6	16277.3
25°	14268.1	13778.3	13472.0	13113.4	12927.2	12670.9	12582.7	12430.7	12439.3	12380.7	12486.4
27.5°	11037.5	10635.6	10379.3	10078.6	9911.7	9701.0	9615.1	9487.2	9486.8	9443.9	9532.2
30°	8625.1	8289.7	8059.7	7797.9	7641.2	7451.0	7367.9	7253.5	7248.6	7218.1	7288.2
32.5°	6753.2	6455.0	6245.1	6014.7	5874.0	5710.8	5632.2	5540.3	5531.9	5504.4	5561.9
35°	5249.8	4998.6	4818.2	4624.1	4638.5	4397.7	4437.8	4250.8	4200.1	4189.1	4231.8
37.5°	4057.5	3863.0	3716.3	3571.1	3472.7	3371.0	3316.2	3266.9	3261.4	3256.6	3286.6
40°	3175.9	3039.7	2933.2	2833.5	2765.8	2703.7	2669.4	2642.4	2636.0	2632.4	2650.5
42.5°	2570.4	2478.5	2409.8	2349.1	2307.9	2274.1	2255.3	2240.3	2235.2	2235.4	2246.1
45°	2171.7	2116.0	2071.7	2033.8	2007.6	2019.1	1985.1	2003.0	1979.5	2003.8	1987.7
47.5°	1912.5	1865.0	1837.6	1810.9	1794.9	1782.1	1782.6	1782.8	1787.8	1788.7	1793.8
50°	1712.5	1685.0	1666.0	1648.8	1640.5	1633.9	1636.2	1637.9	1642.8	1643.2	1647.0
52.5°	1564.5	1546.4	1534.9	1524.3	1520.6	1516.7	1518.3	1517.6	1519.9	1518.7	1521.9
55°	1444.0	1435.4	1431.9	1427.9	1428.4	1427.4	1428.1	1424.3	1422.0	1419.1	1421.7
57.5°	1345.1	1343.9	1346.4	1348.0	1352.6	1354.2	1355.2	1350.7	1346.6	1342.8	1345.0
60°	1268.9	1270.8	1276.8	1281.7	1288.2	1291.2	1293.1	1290.5	1287.5	1284.4	1286.3
62.5°	1193.8	1196.7	1203.9	1209.4	1217.3	1221.4	1225.9	1226.1	1227.3	1226.1	1227.4
65°	1106.6	1110.2	1116.7	1121.2	1128.6	1132.2	1136.8	1137.6	1140.2	1139.7	1141.8
67.5°	1040.3	1043.6	1049.1	1053.3	1059.9	1063.6	1067.6	1067.8	1068.8	1068.5	1070.6
70°	969.6	971.3	976.1	979.7	986.2	990.0	994.7	996.1	999.0	999.5	1001.8
72.5°	894.3	893.6	896.5	898.1	903.0	906.0	911.9	915.2	920.1	921.3	923.1
75°	812.1	811.4	815.0	816.4	820.5	823.5	830.2	834.4	842.0	845.1	844.3
77.5°	717.1	718.8	725.3	728.9	734.5	738.3	747.0	753.8	767.6	773.7	767.5
80°	610.8	612.6	619.3	622.8	630.0	634.7	644.3	652.4	664.8	667.5	664.0
82.5°	480.3	480.7	486.7	489.4	498.8	505.7	517.9	524.4	532.0	530.8	529.9
85°	327.4	331.9	339.4	347.0	358.6	369.8	381.3	390.9	384.1	394.7	382.8
87.5°	175.1	174.6	184.7	183.1	199.5	208.9	218.9	223.6	228.9	227.9	228.0
90°	65.1	61.6	60.9	57.3	57.4	53.6	54.5	50.9	52.4	48.0	54.3
92.5°	70.2	67.2	64.0	60.9	57.7	54.6	51.4	48.2	45.1	42.0	45.1
95°	85.9	82.9	80.1	77.1	74.2	71.3	68.4	65.5	62.7	59.7	63.4
97.5°	105.9	104.2	102.5	100.9	99.2	97.5	95.8	94.1	92.3	90.6	93.0
100°	119.7	119.7	119.7	119.7	119.4	119.4	119.4	119.4	119.4	119.4	121.3
102.5°	228.7	223.2	217.6	212.0	206.4	200.8	195.2	189.7	184.1	178.6	186.8
105°	516.4	494.7	472.8	451.1	429.2	407.5	385.7	364.0	342.3	320.6	343.1
107.5°	958.7	918.9	879.2	839.6	799.8	760.3	720.6	681.0	641.4	601.8	637.3
110°	1337.7	1295.6	1253.5	1211.4	1169.3	1127.2	1085.2	1043.1	1001.1	959.1	992.9



TEST NUMBER: P1444397
 CATALOG NUMBER: EHBR1-36-UNV-TA-L840-UPL40

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	1491.1	1463.7	1436.5	1409.4	1382.2	1355.1	1327.9	1300.9	1273.9	1246.8	1263.3
115°	1470.5	1457.6	1444.6	1431.7	1418.7	1405.7	1392.8	1380.0	1367.2	1354.4	1355.4
117.5°	1348.4	1343.9	1339.5	1335.2	1330.9	1326.6	1322.4	1318.4	1314.1	1310.1	1300.9
120°	1172.3	1173.6	1174.8	1176.2	1177.7	1179.2	1180.6	1182.2	1184.0	1185.7	1173.4
122.5°	998.7	1001.7	1004.9	1008.2	1011.5	1014.9	1018.3	1021.9	1025.5	1029.2	1016.9
125°	847.6	850.6	853.7	856.8	859.9	863.4	866.8	870.5	874.0	877.7	867.3
127.5°	738.6	739.6	740.5	741.7	742.8	744.3	745.8	747.3	749.0	750.8	744.2
130°	669.3	668.2	666.8	665.8	664.6	663.9	663.1	662.5	661.9	661.5	658.6
132.5°	629.2	626.5	623.8	621.0	618.5	616.2	613.9	611.9	609.8	608.0	607.1
135°	607.0	603.3	599.4	596.0	592.4	589.2	585.8	583.0	580.0	577.1	577.7
137.5°	591.8	588.1	584.4	580.9	577.2	574.2	570.9	567.8	564.9	562.2	563.2
140°	585.7	582.0	578.3	574.9	571.5	568.2	564.9	562.1	559.0	556.4	557.0
142.5°	577.3	574.3	570.8	567.7	564.4	561.5	558.7	556.1	553.0	550.8	551.5
145°	571.1	568.8	566.3	563.7	561.5	559.5	557.1	555.2	553.2	551.7	552.0
147.5°	562.5	560.9	558.8	557.2	555.3	553.7	552.1	550.8	549.3	548.1	548.2
150°	551.0	549.9	548.6	547.5	546.4	545.4	544.4	543.4	542.5	541.7	541.6
152.5°	538.7	537.7	536.6	535.6	534.6	533.7	532.8	531.9	531.2	530.4	530.3
155°	524.1	523.6	523.1	522.8	522.3	522.1	521.6	521.6	521.1	521.0	521.1
157.5°	515.5	515.5	515.2	515.3	515.2	515.2	515.0	515.3	515.1	515.3	515.6
160°	511.1	510.9	510.5	510.4	510.2	509.8	509.6	509.6	509.4	509.3	509.7
162.5°	506.5	506.8	506.9	507.2	507.5	507.7	508.1	508.6	508.8	509.2	509.6
165°	507.0	506.9	506.8	506.7	506.8	506.7	506.8	507.0	507.0	507.2	507.8
167.5°	505.8	506.1	506.3	506.6	506.9	507.5	507.8	508.3	508.9	509.5	510.0
170°	508.7	508.7	508.7	508.7	508.7	508.9	509.0	509.1	509.3	509.6	509.9
172.5°	513.5	513.5	513.3	513.5	513.3	513.5	513.5	513.6	513.6	513.7	513.9
175°	514.9	515.3	515.6	515.9	516.0	516.3	516.5	516.7	517.0	517.3	517.3
177.5°	517.5	517.6	517.6	517.6	517.6	517.7	517.7	517.7	517.7	517.6	517.8
180°	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2



TEST NUMBER: P1444397
 CATALOG NUMBER: EHBR1-36-UNV-TA-L840-UPL40

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2
2.5°	31770.0	31754.0	31770.3	31753.8	31770.3	31750.5	31763.9	31742.5	31748.0	31725.8	31731.4
5°	32971.2	32945.9	32959.4	32926.4	32929.9	32885.9	32885.1	32834.0	32820.4	32762.2	32736.6
7.5°	33942.6	33934.3	33938.9	33917.7	33915.3	33885.3	33871.0	33828.7	33802.1	33748.4	33711.8
10°	33788.8	33813.6	33820.0	33845.2	33850.4	33875.5	33880.7	33905.7	33910.9	33929.4	33929.6
12.5°	32250.9	32335.0	32355.1	32458.9	32502.7	32621.6	32685.2	32816.2	32894.0	33024.6	33104.8
15°	29288.1	29433.6	29491.7	29694.5	29806.7	30043.5	30192.2	30464.0	30655.9	30944.6	31150.7
17.5°	25210.6	25413.8	25505.5	25780.6	25960.0	26309.5	26561.3	26975.9	27293.2	27754.0	28119.1
20°	20688.7	20914.7	21039.2	21353.0	21564.7	21973.0	22287.4	22796.8	23221.6	23805.4	24304.7
22.5°	16314.2	16529.2	16667.5	16986.7	17225.0	17650.9	18002.4	18540.1	19016.0	19673.9	20272.4
25°	12526.2	12723.3	12848.2	13137.0	13360.9	13752.2	14087.8	14604.9	15070.6	15730.4	16344.2
27.5°	9576.1	9741.2	9861.7	10107.9	10305.3	10637.2	10925.5	11352.8	11754.1	12324.9	12871.5
30°	7331.3	7477.6	7594.8	7809.3	7992.3	8280.1	8533.5	8892.5	9224.6	9678.8	10113.6
32.5°	5602.4	5728.3	5832.7	6020.4	6186.5	6445.6	6673.9	6988.6	7273.7	7658.9	8016.6
35°	4271.6	4519.4	4501.9	4760.7	4802.3	4988.3	5192.0	5467.2	5719.6	6047.1	6351.7
37.5°	3315.5	3385.1	3459.8	3574.2	3694.5	3863.7	4035.8	4371.9	4495.2	4742.8	4994.8
40°	2673.5	2720.7	2770.0	2847.3	2931.4	3050.7	3176.0	3336.4	3500.7	3701.4	3906.4
42.5°	2260.3	2286.9	2318.3	2363.8	2415.6	2491.2	2575.1	2683.8	2798.1	2939.4	3083.6
45°	2019.4	2006.8	2016.1	2040.5	2071.8	2117.7	2170.7	2238.0	2312.3	2403.9	2501.3
47.5°	1794.9	1800.1	1802.8	1816.1	1832.8	1863.6	1895.7	1941.4	2029.7	2056.5	2109.7
50°	1646.6	1649.1	1648.3	1655.0	1663.5	1683.5	1704.3	1735.3	1766.2	1807.1	1846.2
52.5°	1522.3	1525.8	1525.3	1529.7	1534.3	1547.0	1560.1	1582.0	1602.2	1628.2	1650.7
55°	1424.2	1428.9	1430.8	1434.5	1436.7	1443.4	1448.6	1459.0	1467.7	1482.4	1496.0
57.5°	1348.7	1355.2	1358.2	1359.5	1356.8	1356.5	1354.8	1357.0	1358.7	1366.6	1374.3
60°	1289.3	1294.5	1295.4	1294.5	1289.6	1286.2	1280.5	1278.8	1277.9	1281.7	1285.9
62.5°	1227.0	1229.0	1227.7	1226.1	1220.6	1217.2	1211.4	1209.3	1207.3	1210.0	1212.2
65°	1141.0	1142.6	1141.0	1140.1	1135.1	1132.4	1127.6	1125.9	1123.1	1123.8	1123.3
67.5°	1071.2	1072.8	1071.5	1070.1	1066.7	1065.1	1061.5	1059.1	1055.8	1054.5	1052.2
70°	1001.4	1002.7	1000.7	999.5	995.6	994.1	990.6	989.9	987.3	986.7	984.0
72.5°	921.3	921.4	918.7	917.9	915.0	914.9	913.4	914.8	914.6	916.0	915.4
75°	839.4	838.2	834.7	834.1	831.9	832.9	831.4	833.4	833.6	836.7	837.1
77.5°	757.3	752.9	746.4	743.2	738.8	738.2	735.7	737.4	736.8	740.3	741.7
80°	653.5	648.3	639.8	635.8	630.5	629.7	627.4	629.7	628.5	632.6	635.5
82.5°	521.8	517.2	508.4	505.1	499.2	499.7	497.1	499.7	499.4	505.4	508.8
85°	385.9	382.9	373.8	365.9	356.9	351.6	346.5	345.6	344.1	346.5	348.6
87.5°	222.9	220.2	213.0	208.4	192.7	193.4	187.3	186.9	185.4	183.9	187.3
90°	54.5	59.9	60.3	65.5	66.4	72.0	73.4	78.8	79.8	85.5	87.2
92.5°	48.2	51.4	54.5	57.7	60.8	64.0	67.1	70.2	77.0	83.4	90.5
95°	67.0	70.6	74.3	77.8	81.4	85.1	88.7	92.3	102.2	112.1	122.0
97.5°	95.6	97.9	100.3	102.7	105.1	107.6	110.0	112.4	123.1	133.8	144.4
100°	123.2	125.1	127.0	129.1	131.0	132.9	134.8	136.7	157.6	178.1	198.7
102.5°	195.0	203.2	211.5	219.7	228.0	236.2	244.5	252.7	299.9	347.0	394.1
105°	365.5	388.0	410.6	433.0	455.5	478.0	500.5	523.0	598.4	673.8	749.5
107.5°	672.8	708.3	743.8	779.4	814.9	850.5	886.0	921.6	995.2	1068.9	1142.5
110°	1026.7	1060.6	1094.4	1128.4	1162.2	1196.1	1230.0	1264.1	1308.3	1352.4	1396.5



TEST NUMBER: P1444397
 CATALOG NUMBER: EHBR1-36-UNV-TA-L840-UPL40

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	1279.8	1296.2	1312.7	1329.3	1345.8	1362.5	1379.0	1395.6	1417.7	1439.7	1461.8
115°	1356.4	1357.4	1358.5	1359.7	1360.8	1361.9	1363.4	1364.6	1371.6	1378.4	1385.5
117.5°	1291.8	1282.7	1273.8	1264.9	1255.9	1247.2	1238.3	1229.7	1228.2	1226.7	1225.4
120°	1161.4	1149.3	1137.1	1124.8	1113.0	1101.0	1089.3	1077.6	1071.6	1065.4	1059.6
122.5°	1004.8	992.8	980.7	968.6	956.8	945.1	933.5	921.9	917.7	913.3	909.2
125°	857.1	847.1	837.1	827.2	817.4	807.7	798.1	788.6	788.3	787.9	787.8
127.5°	738.2	731.9	725.9	720.0	714.3	708.4	702.9	697.1	699.7	702.3	704.8
130°	655.8	653.1	650.7	648.0	645.9	643.5	641.3	639.2	643.8	648.2	652.8
132.5°	606.8	606.2	606.0	605.7	605.7	605.7	605.9	605.8	611.2	616.2	621.5
135°	578.4	579.0	580.1	581.0	582.4	583.4	584.8	585.9	591.1	595.8	601.1
137.5°	564.4	565.5	567.0	568.5	570.2	571.8	573.6	575.2	579.3	583.2	587.0
140°	558.1	558.9	560.2	561.4	562.7	563.9	565.5	566.9	570.3	573.2	576.3
142.5°	552.6	553.2	554.4	555.7	557.0	558.1	559.5	560.7	563.0	565.2	567.9
145°	552.7	553.3	554.3	554.9	556.0	556.9	558.0	558.9	560.4	561.7	563.2
147.5°	548.7	549.0	549.6	550.2	550.9	551.5	552.0	552.6	553.6	554.5	555.5
150°	541.8	541.9	542.2	542.2	542.7	543.1	543.5	543.8	544.6	545.4	546.3
152.5°	530.6	530.6	530.8	530.9	531.2	531.5	531.6	532.0	532.9	533.5	534.3
155°	521.5	522.0	522.4	522.8	523.4	523.6	524.2	524.5	525.1	525.5	526.1
157.5°	516.0	516.3	516.8	517.1	517.6	518.0	518.5	518.8	519.4	519.7	520.2
160°	510.6	511.2	511.8	512.5	513.2	513.7	514.5	515.2	515.6	516.0	516.4
162.5°	510.2	510.6	511.1	511.4	511.9	512.3	512.7	513.1	513.9	514.5	515.2
165°	508.5	509.1	509.9	510.5	511.3	511.9	512.6	513.2	513.6	514.0	514.4
167.5°	510.8	511.2	512.1	512.7	513.4	514.0	514.7	515.3	515.7	516.0	516.4
170°	510.7	511.2	511.9	512.4	513.0	513.5	514.2	514.7	515.3	515.9	516.5
172.5°	514.5	514.9	515.4	515.7	516.3	516.8	517.3	517.7	518.2	518.7	519.2
175°	517.3	517.3	517.4	517.5	517.7	517.7	517.8	518.0	518.1	518.2	518.3
177.5°	518.1	518.3	518.5	518.8	519.0	519.2	519.5	519.7	519.7	519.7	519.7
180°	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2



TEST NUMBER: P1444397
 CATALOG NUMBER: EHBR1-36-UNV-TA-L840-UPL40

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2
2.5°	31709.2	31710.7	31685.0	31683.7	31659.7	31656.7	31633.4	31626.2	31607.2	31600.4	31581.1
5°	32671.3	32640.1	32568.2	32525.8	32454.7	32407.6	32330.6	32280.3	32206.1	32150.0	32075.2
7.5°	33644.3	33595.9	33515.0	33449.6	33350.9	33272.1	33156.5	33061.9	32936.8	32828.5	32697.1
10°	33929.6	33922.2	33901.6	33871.6	33825.7	33774.1	33695.5	33613.4	33503.8	33384.7	33238.7
12.5°	33227.5	33303.4	33406.7	33468.0	33542.5	33575.2	33605.8	33598.1	33578.0	33517.8	33433.3
15°	31448.9	31661.9	31944.0	32162.7	32414.2	32597.0	32798.9	32924.7	33050.2	33108.1	33143.5
17.5°	28619.5	29022.9	29528.8	29947.9	30431.6	30820.1	31246.0	31566.6	31896.2	32132.4	32346.0
20°	24985.2	25569.7	26285.1	26917.1	27651.9	28290.6	28990.5	29565.0	30157.5	30620.8	31059.3
22.5°	21043.1	21737.3	22602.2	23403.5	24350.8	25202.3	26163.0	26999.0	27872.0	28601.3	29306.5
25°	17166.8	17928.0	18873.7	19767.7	20840.7	21831.1	22970.4	24012.4	25140.7	26120.4	27088.1
27.5°	13627.2	14374.5	15340.0	16291.6	17426.2	18481.6	19702.2	20850.4	22135.0	23319.8	24531.7
30°	10717.9	11351.8	12217.5	13139.2	14258.3	15332.2	16566.1	17746.9	19083.3	20377.0	21742.0
32.5°	8491.4	8974.3	9655.0	10434.4	11466.9	12489.2	13664.1	14803.9	16120.1	17426.8	18846.6
35°	6743.8	7120.4	7639.3	8247.6	9122.0	10003.1	11042.4	12079.0	13306.9	14546.9	15926.9
37.5°	5317.8	5623.5	6029.9	6486.8	7188.1	7911.3	8763.5	9622.8	10689.7	11788.9	13039.5
40°	4152.6	4400.0	4716.5	5057.2	5586.8	6144.0	6803.1	7469.5	8326.7	9225.0	10260.0
42.5°	3262.2	3444.8	3668.3	3917.2	4411.3	4707.2	5154.1	5636.1	6266.3	6918.4	7696.6
45°	2619.9	2744.4	2899.4	3066.4	3295.7	3546.6	3852.8	4173.6	4772.4	5066.0	5539.2
47.5°	2187.8	2271.5	2370.0	2475.3	2610.6	2756.5	2938.0	3123.6	3363.6	3612.3	3904.0
50°	1896.9	1981.9	2015.7	2070.3	2148.6	2231.9	2334.2	2436.5	2565.3	2695.7	2845.9
52.5°	1680.9	1708.6	1745.5	1780.1	1828.6	1923.6	1954.2	2007.7	2080.0	2150.5	2229.4
55°	1516.0	1534.1	1558.0	1579.0	1608.2	1636.3	1676.8	1712.4	1760.5	1803.1	1855.3
57.5°	1387.7	1399.2	1415.8	1429.6	1448.5	1464.3	1488.0	1507.3	1535.0	1559.1	1590.8
60°	1294.3	1302.1	1313.2	1322.2	1334.3	1342.6	1354.3	1363.4	1378.0	1390.2	1407.9
62.5°	1218.3	1222.2	1229.5	1234.7	1242.4	1246.6	1252.9	1256.8	1264.9	1271.0	1280.9
65°	1126.9	1127.8	1132.6	1134.8	1140.9	1143.1	1148.2	1150.1	1156.7	1161.3	1169.9
67.5°	1052.0	1049.9	1050.0	1048.3	1049.1	1047.2	1047.7	1045.9	1048.6	1050.0	1056.6
70°	983.6	980.6	979.7	976.6	975.6	972.4	971.5	968.5	968.2	967.3	969.6
72.5°	916.9	916.1	916.4	914.2	914.0	911.7	911.8	910.4	911.9	912.6	915.7
75°	840.3	840.5	842.0	840.1	840.6	838.8	839.5	837.8	838.7	838.3	841.3
77.5°	747.1	749.3	753.3	752.5	753.8	751.7	752.6	750.2	750.9	749.3	750.4
80°	642.1	646.8	652.2	652.0	654.3	652.8	654.9	652.6	653.5	650.7	650.0
82.5°	517.6	521.6	527.4	527.6	532.8	533.7	539.3	539.1	542.7	540.4	538.8
85°	353.9	356.6	361.6	364.5	369.7	372.9	378.4	380.6	376.7	383.8	378.2
87.5°	184.7	191.6	187.8	196.8	194.6	203.7	201.8	210.2	208.5	215.7	214.8
90°	94.1	96.5	103.7	106.2	114.6	117.9	119.7	115.7	117.2	113.5	115.2
92.5°	97.0	104.1	110.9	117.6	124.4	131.3	124.9	118.7	112.3	106.1	99.8
95°	131.9	141.9	151.8	161.6	171.5	181.4	170.8	160.2	149.6	139.0	128.3
97.5°	155.0	165.7	176.3	186.9	197.7	208.3	195.6	183.1	170.5	158.1	145.5
100°	219.2	239.8	260.3	280.9	301.5	322.1	298.8	275.3	251.9	228.5	205.0
102.5°	441.5	488.6	535.8	583.0	630.1	677.3	627.7	578.3	528.4	478.8	429.0
105°	825.0	900.4	975.9	1051.4	1126.9	1202.6	1122.0	1041.5	960.9	880.5	799.8
107.5°	1216.1	1289.6	1363.5	1437.0	1510.7	1584.5	1502.8	1421.1	1339.4	1257.7	1176.0
110°	1440.9	1485.0	1529.3	1573.6	1617.8	1662.3	1602.6	1543.1	1483.4	1423.7	1364.1



TEST NUMBER: P1444397
 CATALOG NUMBER: EHBR1-36-UNV-TA-L840-UPL40

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	1483.9	1506.2	1528.2	1550.6	1572.6	1594.9	1552.2	1509.8	1466.9	1424.4	1381.6
115°	1392.5	1399.5	1406.6	1413.8	1420.7	1427.8	1399.1	1370.3	1341.6	1312.7	1283.9
117.5°	1224.1	1223.0	1221.5	1220.4	1219.0	1217.8	1201.7	1185.6	1169.3	1153.2	1136.9
120°	1053.4	1047.4	1041.5	1035.5	1029.5	1023.4	1016.6	1009.8	1002.7	995.9	988.8
122.5°	905.0	900.8	896.6	892.6	888.1	883.9	881.2	878.6	875.7	873.1	870.2
125°	787.6	787.3	787.0	786.8	786.4	786.2	784.7	783.4	781.9	780.6	778.8
127.5°	707.2	709.8	712.2	714.7	717.0	719.4	718.9	718.6	718.1	717.7	717.2
130°	657.1	661.8	666.0	670.5	674.6	679.2	678.1	677.3	676.5	675.6	674.8
132.5°	626.7	631.7	636.9	642.1	647.0	652.1	651.0	650.1	648.8	647.9	646.7
135°	605.8	610.7	615.4	620.4	625.0	629.7	628.3	627.2	625.7	624.6	623.2
137.5°	590.8	594.9	598.6	602.4	606.0	609.8	608.3	607.2	605.6	604.6	603.1
140°	579.3	582.4	585.2	588.3	591.2	594.2	592.5	590.9	589.2	587.5	585.8
142.5°	570.0	572.3	574.3	576.6	578.8	581.0	578.5	576.3	574.1	571.9	569.7
145°	564.6	566.3	567.6	569.0	570.0	571.5	568.9	566.5	563.6	561.2	558.5
147.5°	556.3	557.3	557.8	558.7	559.2	560.1	557.6	555.2	552.7	550.1	547.7
150°	546.8	547.8	548.4	549.0	549.7	550.4	547.8	545.3	542.5	540.0	537.5
152.5°	535.1	535.7	536.4	536.9	537.6	538.1	535.6	533.4	530.8	528.3	525.8
155°	526.4	526.9	527.2	527.6	527.7	528.1	525.9	524.1	522.0	520.0	517.8
157.5°	520.5	521.0	521.4	521.7	521.9	522.2	520.6	519.1	517.5	516.0	514.3
160°	516.8	517.1	517.5	517.7	518.0	518.2	516.9	515.7	514.4	513.0	511.5
162.5°	515.8	516.4	517.0	517.4	518.0	518.5	516.9	515.4	513.9	512.3	510.6
165°	514.7	515.1	515.4	515.8	515.9	516.2	515.1	514.2	513.0	512.0	510.9
167.5°	516.7	517.1	517.4	517.7	517.8	518.0	517.0	516.1	514.9	513.8	512.6
170°	516.8	517.4	517.9	518.3	518.8	519.1	518.3	517.5	516.5	515.7	514.7
172.5°	519.6	520.1	520.3	520.8	521.1	521.6	520.6	519.7	518.8	517.9	516.9
175°	518.3	518.5	518.7	518.7	518.7	518.8	518.1	517.4	516.7	516.0	515.2
177.5°	519.7	519.7	519.7	519.6	519.6	519.6	519.1	518.6	518.2	517.7	517.1
180°	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2



TEST NUMBER: P1444397
 CATALOG NUMBER: EHBR1-36-UNV-TA-L840-UPL40

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2	31377.2
2.5°	31574.2	31560.5	31551.6	31540.4	31533.6	31524.8	31518.4	31513.0	31508.5	31504.5	31501.5
5°	32018.2	31947.7	31892.9	31833.5	31784.8	31736.3	31698.7	31667.8	31646.4	31630.3	31620.7
7.5°	32583.5	32454.3	32339.5	32218.5	32110.1	32003.5	31911.5	31832.4	31773.0	31734.5	31711.2
10°	33088.3	32915.4	32744.4	32564.3	32393.6	32228.0	32075.2	31940.8	31834.4	31763.6	31722.4
12.5°	33314.6	33167.2	32992.6	32797.1	32587.9	32376.3	32169.9	31983.9	31827.8	31723.0	31662.5
15°	33115.3	33054.8	32936.3	32784.5	32586.1	32367.2	32124.9	31897.3	31687.8	31552.0	31473.3
17.5°	32467.0	32551.4	32542.4	32484.4	32341.6	32157.4	31910.5	31654.9	31392.8	31211.3	31112.1
20°	31372.9	31638.3	31773.0	31842.0	31786.0	31666.6	31443.1	31183.5	30878.1	30641.1	30496.5
22.5°	29835.5	30304.0	30596.0	30809.6	30855.0	30814.3	30617.0	30370.1	30029.8	29744.8	29531.2
25°	27856.3	28542.8	29004.2	29365.9	29506.4	29542.7	29374.8	29129.3	28749.8	28418.0	28124.6
27.5°	25525.1	26417.0	27033.1	27519.2	27738.6	27833.8	27679.2	27428.8	26979.9	26583.6	26200.4
30°	22900.6	23958.8	24700.6	25283.4	25550.9	25676.6	25512.4	25232.9	24710.5	24233.8	23750.9
32.5°	20091.5	21249.5	22057.8	22690.8	22955.9	23074.1	22859.3	22545.3	21941.6	21379.9	20816.9
35°	17150.6	18319.3	19134.5	19750.6	19972.8	20044.0	19769.3	19406.4	18737.5	18121.0	17507.1
37.5°	14149.6	15237.0	15977.9	16530.9	16668.3	16680.6	16349.6	15948.9	15245.8	14637.9	14026.7
40°	11174.7	12091.7	12689.9	13132.4	13180.2	13137.6	12777.8	12374.4	11716.6	11172.1	10635.6
42.5°	8372.4	9064.6	9491.4	9794.7	9776.6	9692.6	9362.6	9015.9	8473.3	8058.5	7636.2
45°	5971.6	6428.0	6677.6	6855.0	6798.0	6717.9	6461.1	6218.2	5849.4	5581.5	5297.8
47.5°	4148.5	4693.6	4598.7	4945.7	4646.7	4844.2	4433.0	4206.3	4010.7	3868.3	3708.0
50°	2970.0	3094.9	3155.2	3196.4	3174.5	3144.1	3070.3	3004.3	2914.9	2849.7	2773.8
52.5°	2293.7	2356.1	2390.3	2415.0	2410.2	2399.1	2366.9	2337.4	2295.7	2268.0	2234.8
55°	1942.8	1943.7	2006.7	1979.7	2019.5	1972.8	1991.2	1939.4	1947.8	1903.4	1873.5
57.5°	1614.4	1640.0	1651.5	1662.6	1659.5	1657.6	1645.1	1638.8	1624.8	1620.5	1610.5
60°	1420.1	1433.5	1436.3	1441.4	1437.1	1435.4	1425.7	1422.2	1412.8	1411.0	1404.4
62.5°	1286.9	1293.7	1293.7	1293.7	1288.1	1282.7	1271.9	1266.3	1258.2	1256.5	1252.7
65°	1175.7	1182.7	1184.0	1185.5	1181.3	1177.2	1167.6	1161.5	1153.2	1150.1	1145.6
67.5°	1060.9	1068.4	1071.1	1074.9	1072.6	1071.7	1065.2	1062.8	1057.3	1056.0	1052.0
70°	970.8	973.9	973.7	973.6	968.4	963.9	956.3	952.7	947.0	945.8	942.2
72.5°	917.2	919.4	918.0	916.0	909.4	902.7	893.8	887.3	879.8	875.2	870.0
75°	841.7	844.6	842.7	841.5	835.6	831.1	824.1	820.4	815.2	813.7	810.0
77.5°	749.0	750.4	747.4	747.1	742.5	739.7	734.4	733.4	729.6	729.7	726.2
80°	645.9	645.1	640.2	639.2	634.7	633.6	629.3	629.6	626.6	627.8	625.4
82.5°	531.4	528.5	522.2	520.2	515.0	514.6	511.8	514.1	512.3	515.0	513.4
85°	380.8	381.7	378.9	378.9	377.4	377.8	377.6	379.3	379.6	382.1	382.0
87.5°	212.3	215.3	214.8	217.5	217.4	220.6	221.7	226.3	226.9	231.2	231.2
90°	111.5	113.5	109.7	111.9	110.2	113.8	112.9	116.5	115.1	118.1	115.5
92.5°	93.5	87.2	81.0	74.7	71.5	68.1	65.4	61.8	58.9	55.5	52.3
95°	117.8	107.2	96.5	85.9	82.2	78.5	74.9	71.2	67.7	64.1	60.4
97.5°	133.0	120.4	107.9	95.2	92.1	89.0	85.8	82.6	79.4	76.3	73.2
100°	181.6	158.2	134.8	111.3	108.7	105.9	103.3	100.7	98.0	95.2	92.6
102.5°	379.4	329.5	279.8	230.1	220.7	211.2	201.8	192.3	182.8	173.4	164.1
105°	719.2	638.5	558.0	477.3	451.6	426.0	400.5	374.7	349.1	323.5	298.0
107.5°	1094.2	1012.2	930.5	848.6	801.3	754.0	706.6	659.2	612.0	564.5	517.1
110°	1304.3	1244.6	1184.8	1124.8	1086.9	1048.8	1010.5	972.4	934.4	896.1	857.9



TEST NUMBER: P1444397
 CATALOG NUMBER: EHBR1-36-UNV-TA-L840-UPL40

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1338.8	1296.1	1253.3	1210.3	1193.1	1175.7	1158.5	1141.2	1123.9	1106.4	1089.2
115°	1254.9	1226.0	1197.1	1167.9	1162.1	1155.8	1149.8	1143.5	1137.3	1131.1	1124.8
117.5°	1120.8	1104.4	1088.1	1071.8	1072.8	1073.7	1074.8	1075.6	1076.5	1077.2	1078.1
120°	981.9	974.8	967.8	960.8	966.0	971.2	976.4	981.4	986.4	991.2	996.2
122.5°	867.5	864.5	861.9	858.9	865.3	871.5	877.7	883.8	889.8	895.6	901.6
125°	777.5	775.9	774.5	772.8	779.3	785.5	791.8	797.8	804.0	809.8	815.7
127.5°	716.8	716.3	715.9	715.3	719.9	724.3	728.6	732.7	737.1	740.9	744.8
130°	673.9	673.0	672.2	671.2	675.3	679.2	683.3	686.9	690.8	694.1	697.6
132.5°	645.7	644.4	643.5	642.2	645.4	648.0	650.9	653.2	656.0	658.1	660.4
135°	621.9	620.4	619.2	617.7	620.4	623.1	625.7	627.9	630.3	632.2	634.4
137.5°	601.9	600.4	599.0	597.5	600.1	602.4	604.5	606.6	608.6	610.6	612.3
140°	584.3	582.5	581.0	579.2	581.3	583.4	585.4	587.1	589.2	590.6	592.1
142.5°	567.5	564.9	563.1	560.6	562.2	563.6	565.0	566.4	567.7	568.7	569.7
145°	556.0	553.1	550.7	548.1	549.2	550.3	551.5	552.6	553.4	554.1	555.1
147.5°	545.3	542.6	540.1	537.6	538.6	539.4	540.0	540.6	541.5	542.0	542.4
150°	534.9	532.0	529.4	526.7	527.5	528.1	528.6	529.3	530.0	530.3	530.7
152.5°	523.4	520.8	518.2	515.6	516.2	516.7	517.1	517.5	518.0	518.4	518.7
155°	515.8	513.6	511.5	509.1	509.7	510.2	510.4	510.8	511.1	511.4	511.5
157.5°	512.6	510.8	509.2	507.3	507.4	507.6	507.6	507.5	507.6	507.5	507.4
160°	510.2	508.6	507.1	505.6	505.6	505.7	505.7	505.5	505.5	505.3	505.1
162.5°	508.8	507.2	505.4	503.6	503.6	503.8	503.7	503.6	503.5	503.4	503.2
165°	509.7	508.4	507.2	505.8	505.7	505.4	505.3	504.8	504.6	504.2	503.8
167.5°	511.4	510.2	508.8	507.4	507.5	507.6	507.6	507.6	507.5	507.4	507.3
170°	513.8	512.7	511.8	510.7	510.5	510.4	510.0	509.8	509.4	509.2	508.9
172.5°	515.9	514.9	513.9	512.7	512.7	512.5	512.3	512.2	511.9	511.6	511.5
175°	514.4	513.7	512.8	512.1	511.9	511.8	511.7	511.6	511.4	511.3	511.0
177.5°	516.6	516.2	515.5	515.0	514.8	514.8	514.7	514.6	514.6	514.5	514.4
180°	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2



TEST NUMBER: P1444397
CATALOG NUMBER: EHBR1-36-UNV-TA-L840-UPL40

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	31377.2	31377.2
2.5°	31498.7	31497.0
5°	31615.8	31613.9
7.5°	31704.8	31704.3
10°	31715.3	31720.7
12.5°	31652.0	31656.5
15°	31467.3	31475.9
17.5°	31113.9	31125.2
20°	30505.3	30517.1
22.5°	29519.7	29524.6
25°	28086.6	28066.3
27.5°	26133.0	26098.0
30°	23649.4	23615.6
32.5°	20688.4	20667.2
35°	17355.3	17342.0
37.5°	13846.1	13818.9
40°	10439.3	10360.0
42.5°	7451.4	7312.1
45°	5149.5	4984.6
47.5°	3594.9	3493.0
50°	2724.8	2691.9
52.5°	2220.3	2212.6
55°	1873.4	1870.0
57.5°	1612.7	1611.5
60°	1407.9	1407.6
62.5°	1255.2	1255.8
65°	1147.6	1147.8
67.5°	1053.0	1052.3
70°	943.5	942.7
72.5°	868.2	866.9
75°	810.0	809.2
77.5°	727.3	726.0
80°	627.0	625.4
82.5°	515.7	513.9
85°	384.6	384.8
87.5°	235.4	235.3
90°	118.4	115.3
92.5°	49.4	46.5
95°	56.8	53.2
97.5°	70.0	66.9
100°	89.9	87.3
102.5°	154.6	145.2
105°	272.3	246.7
107.5°	469.8	422.5
110°	819.7	781.6



TEST NUMBER: P1444397
CATALOG NUMBER: EHBR1-36-UNV-TA-L840-UPL40

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	1071.6	1054.2
115°	1118.3	1112.0
117.5°	1078.7	1079.2
120°	1000.8	1005.7
122.5°	907.1	912.8
125°	821.2	826.9
127.5°	748.6	752.2
130°	700.5	703.9
132.5°	662.3	664.1
135°	636.0	637.6
137.5°	613.6	615.1
140°	593.2	594.4
142.5°	570.5	571.3
145°	555.7	556.2
147.5°	542.4	542.8
150°	530.9	531.2
152.5°	518.7	519.0
155°	511.6	511.7
157.5°	507.1	507.0
160°	504.9	504.7
162.5°	503.0	502.8
165°	503.2	502.8
167.5°	507.1	507.0
170°	508.5	508.3
172.5°	511.2	510.9
175°	510.9	510.8
177.5°	514.4	514.2
180°	517.2	517.2



TEST NUMBER: P1444397
 CATALOG NUMBER: EHBR1-36-UNV-TA-L840-UPL40

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	16.54	17.57	17.08	18.09	18.66	14.92	15.95	15.46	16.47	17.04
	3H	18.09	19.01	18.65	19.54	20.15	17.35	18.27	17.90	18.80	19.41
	4H	18.88	19.74	19.46	20.29	20.92	18.46	19.32	19.04	19.87	20.50
	6H	19.65	20.43	20.24	21.00	21.64	19.50	20.29	20.09	20.85	21.49
	8H	19.96	20.71	20.56	21.29	21.93	19.94	20.69	20.54	21.27	21.91
	12H	20.20	20.92	20.81	21.49	22.16	20.29	21.00	20.90	21.58	22.25
4H	2H	16.91	17.77	17.49	18.32	18.95	15.63	16.48	16.21	17.03	17.66
	3H	18.79	19.50	19.37	20.09	20.73	18.25	18.96	18.84	19.55	20.20
	4H	19.79	20.43	20.39	21.03	21.71	19.50	20.14	20.11	20.74	21.43
	6H	20.74	21.29	21.37	21.92	22.62	20.69	21.24	21.32	21.86	22.56
	8H	21.13	21.64	21.76	22.27	22.97	21.18	21.70	21.82	22.32	23.03
	12H	21.44	21.89	22.09	22.55	23.25	21.60	22.05	22.25	22.71	23.41
8H	4H	20.16	20.68	20.80	21.30	22.00	19.92	20.43	20.55	21.06	21.76
	6H	21.32	21.74	21.99	22.41	23.12	21.27	21.69	21.93	22.36	23.07
	8H	21.83	22.20	22.51	22.88	23.60	21.87	22.24	22.55	22.92	23.65
	12H	22.26	22.58	22.93	23.25	24.04	22.39	22.72	23.07	23.38	24.18
12H	4H	20.21	20.66	20.86	21.32	22.02	19.97	20.43	20.62	21.08	21.79
	6H	21.43	21.81	22.11	22.49	23.21	21.38	21.76	22.06	22.44	23.16
	8H	22.02	22.35	22.70	23.01	23.80	22.05	22.38	22.73	23.04	23.83

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-1

Test Date: 07/30/2025

Luminaire Tested: EHBR-60-L840-N

Data in this report applies to families of products including EHBR-60-L840-N

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-1
 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-L840-N**
 Description: Elevate Round Highbay at, 60000 lumens, 4000K 80CRI LEDs with N lens

Spectral Parameters

CCT (K): 3898
 CIE u': 0.2263
 CIE v': 0.5052
 Duv: 0.0013
 CIE x: 0.3861
 CIE y: 0.3831
 CIE z: 0.2308
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 578
 Purity: 30.85729
 Rf: 80.7
 Rg: 102.1

CRI (Ra):	82.1		
R1:	84.4	R9:	38.5
R2:	83.5	R10:	58.9
R3:	80.8	R11:	83.6
R4:	83.9	R12:	54.2
R5:	82.1	R13:	82.8
R6:	77.3	R14:	88.2
R7:	86.4	R15:	81.2
R8:	78.3		



Test Conditions

Stabilization Time: 42M
 Operation Time: 1H 42M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-1

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: SP1-2506-472-1

CIE 1931 Chromaticity Diagram



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



CCT = 3898K
 CIE x = 0.3861
 CIE y = 0.3831
 Duv = 0.0013

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-1

Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	60	NR	620	277	NR	750	6	NR	880	0	NR
365	0	NR	495	87	NR	625	278	NR	755	5	NR	885	0	NR
370	0	NR	500	124	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	168	NR	635	623	NR	765	4	NR	895	0	NR
380	1	NR	510	209	NR	640	162	NR	770	3	NR	900	0	NR
385	1	NR	515	246	NR	645	158	NR	775	3	NR	905	0	NR
390	2	NR	520	273	NR	650	134	NR	780	2	NR	910	0	NR
395	4	NR	525	292	NR	655	109	NR	785	2	NR	915	0	NR
400	5	NR	530	305	NR	660	91	NR	790	2	NR	920	0	NR
405	7	NR	535	313	NR	665	75	NR	795	2	NR	925	0	NR
410	11	NR	540	319	NR	670	70	NR	800	1	NR	930	0	NR
415	21	NR	545	323	NR	675	56	NR	805	1	NR	935	0	NR
420	42	NR	550	326	NR	680	47	NR	810	1	NR	940	0	NR
425	76	NR	555	330	NR	685	41	NR	815	1	NR	945	0	NR
430	125	NR	560	333	NR	690	35	NR	820	1	NR	950	0	NR
435	193	NR	565	336	NR	695	30	NR	825	1	NR	955	0	NR
440	302	NR	570	336	NR	700	26	NR	830	1	NR	960	0	NR
445	432	NR	575	335	NR	705	22	NR	835	1	NR	965	0	NR
450	380	NR	580	332	NR	710	19	NR	840	0	NR	970	0	NR
455	213	NR	585	326	NR	715	16	NR	845	0	NR	975	0	NR
460	147	NR	590	319	NR	720	14	NR	850	0	NR	980	0	NR
465	104	NR	595	307	NR	725	12	NR	855	0	NR	985	0	NR
470	65	NR	600	299	NR	730	10	NR	860	0	NR	990	0	NR
475	50	NR	605	291	NR	735	9	NR	865	0	NR	995	0	NR
480	46	NR	610	317	NR	740	8	NR	870	0	NR	1000	0	NR
485	47	NR	615	336	NR	745	7	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-1

Scotopic Flux vs. Wavelength



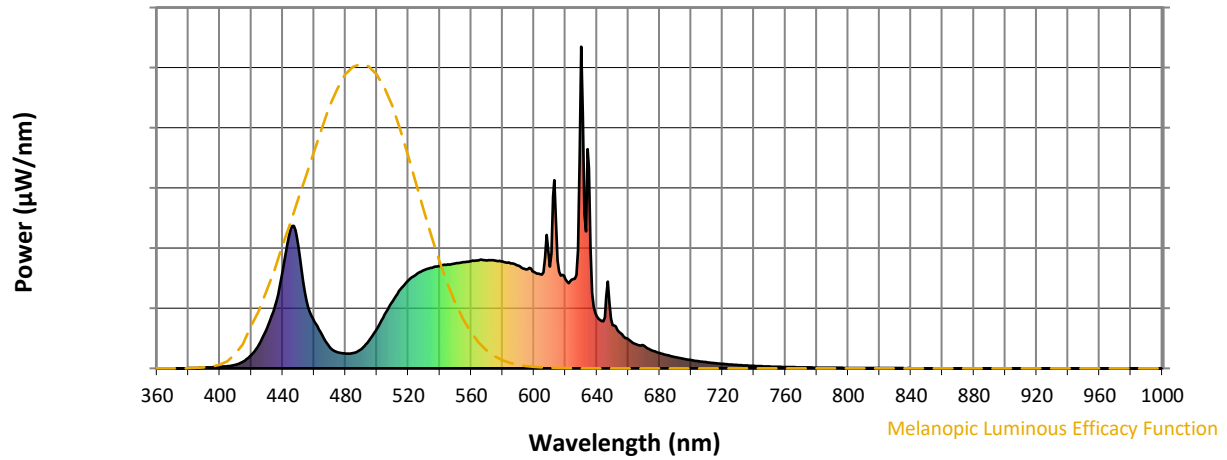
Scotopic Lumens: NR

S/P: 1.55

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	60	NR	620	277	NR	750	6	NR	880	0	NR
365	0	NR	495	87	NR	625	278	NR	755	5	NR	885	0	NR
370	0	NR	500	124	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	168	NR	635	623	NR	765	4	NR	895	0	NR
380	1	NR	510	209	NR	640	162	NR	770	3	NR	900	0	NR
385	1	NR	515	246	NR	645	158	NR	775	3	NR	905	0	NR
390	2	NR	520	273	NR	650	134	NR	780	2	NR	910	0	NR
395	4	NR	525	292	NR	655	109	NR	785	2	NR	915	0	NR
400	5	NR	530	305	NR	660	91	NR	790	2	NR	920	0	NR
405	7	NR	535	313	NR	665	75	NR	795	2	NR	925	0	NR
410	11	NR	540	319	NR	670	70	NR	800	1	NR	930	0	NR
415	21	NR	545	323	NR	675	56	NR	805	1	NR	935	0	NR
420	42	NR	550	326	NR	680	47	NR	810	1	NR	940	0	NR
425	76	NR	555	330	NR	685	41	NR	815	1	NR	945	0	NR
430	125	NR	560	333	NR	690	35	NR	820	1	NR	950	0	NR
435	193	NR	565	336	NR	695	30	NR	825	1	NR	955	0	NR
440	302	NR	570	336	NR	700	26	NR	830	1	NR	960	0	NR
445	432	NR	575	335	NR	705	22	NR	835	1	NR	965	0	NR
450	380	NR	580	332	NR	710	19	NR	840	0	NR	970	0	NR
455	213	NR	585	326	NR	715	16	NR	845	0	NR	975	0	NR
460	147	NR	590	319	NR	720	14	NR	850	0	NR	980	0	NR
465	104	NR	595	307	NR	725	12	NR	855	0	NR	985	0	NR
470	65	NR	600	299	NR	730	10	NR	860	0	NR	990	0	NR
475	50	NR	605	291	NR	735	9	NR	865	0	NR	995	0	NR
480	46	NR	610	317	NR	740	8	NR	870	0	NR	1000	0	NR
485	47	NR	615	336	NR	745	7	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.99

λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	60	NR	620	277	NR	750	6	NR	880	0	NR
365	0	NR	495	87	NR	625	278	NR	755	5	NR	885	0	NR
370	0	NR	500	124	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	168	NR	635	623	NR	765	4	NR	895	0	NR
380	1	NR	510	209	NR	640	162	NR	770	3	NR	900	0	NR
385	1	NR	515	246	NR	645	158	NR	775	3	NR	905	0	NR
390	2	NR	520	273	NR	650	134	NR	780	2	NR	910	0	NR
395	4	NR	525	292	NR	655	109	NR	785	2	NR	915	0	NR
400	5	NR	530	305	NR	660	91	NR	790	2	NR	920	0	NR
405	7	NR	535	313	NR	665	75	NR	795	2	NR	925	0	NR
410	11	NR	540	319	NR	670	70	NR	800	1	NR	930	0	NR
415	21	NR	545	323	NR	675	56	NR	805	1	NR	935	0	NR
420	42	NR	550	326	NR	680	47	NR	810	1	NR	940	0	NR
425	76	NR	555	330	NR	685	41	NR	815	1	NR	945	0	NR
430	125	NR	560	333	NR	690	35	NR	820	1	NR	950	0	NR
435	193	NR	565	336	NR	695	30	NR	825	1	NR	955	0	NR
440	302	NR	570	336	NR	700	26	NR	830	1	NR	960	0	NR
445	432	NR	575	335	NR	705	22	NR	835	1	NR	965	0	NR
450	380	NR	580	332	NR	710	19	NR	840	0	NR	970	0	NR
455	213	NR	585	326	NR	715	16	NR	845	0	NR	975	0	NR
460	147	NR	590	319	NR	720	14	NR	850	0	NR	980	0	NR
465	104	NR	595	307	NR	725	12	NR	855	0	NR	985	0	NR
470	65	NR	600	299	NR	730	10	NR	860	0	NR	990	0	NR
475	50	NR	605	291	NR	735	9	NR	865	0	NR	995	0	NR
480	46	NR	610	317	NR	740	8	NR	870	0	NR	1000	0	NR
485	47	NR	615	336	NR	745	7	NR	875	0	NR			

Summary

$R_f = 80.7$
 $R_g = 102.1$
 CIE $R_a = 82.1$
 $R_9 = 38.5$

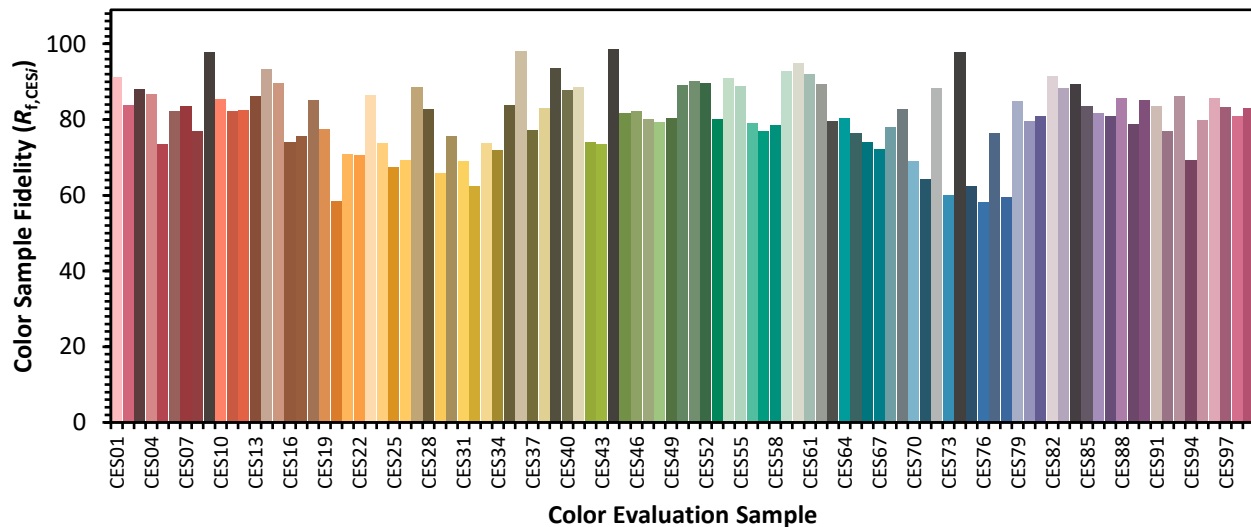


Color Vector Graphics



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

CES01 = 85	CES26 = 69	CES51 = 90	CES76 = 58
CES02 = 61	CES27 = 89	CES52 = 90	CES77 = 76
CES03 = 31	CES28 = 83	CES53 = 80	CES78 = 60
CES04 = 69	CES29 = 66	CES54 = 91	CES79 = 85
CES05 = 48	CES30 = 76	CES55 = 89	CES80 = 79
CES06 = 50	CES31 = 69	CES56 = 79	CES81 = 81
CES07 = 41	CES32 = 62	CES57 = 77	CES82 = 91
CES08 = 40	CES33 = 74	CES58 = 79	CES83 = 88
CES09 = 29	CES34 = 72	CES59 = 93	CES84 = 89
CES10 = 74	CES35 = 84	CES60 = 95	CES85 = 84
CES11 = 57	CES36 = 98	CES61 = 92	CES86 = 82
CES12 = 63	CES37 = 77	CES62 = 89	CES87 = 81
CES13 = 43	CES38 = 83	CES63 = 80	CES88 = 86
CES14 = 74	CES39 = 94	CES64 = 80	CES89 = 79
CES15 = 71	CES40 = 88	CES65 = 77	CES90 = 85
CES16 = 47	CES41 = 89	CES66 = 74	CES91 = 83
CES17 = 49	CES42 = 74	CES67 = 72	CES92 = 77
CES18 = 56	CES43 = 73	CES68 = 78	CES93 = 86
CES19 = 71	CES44 = 98	CES69 = 83	CES94 = 69
CES20 = 65	CES45 = 82	CES70 = 69	CES95 = 80
CES21 = 86	CES46 = 82	CES71 = 64	CES96 = 86
CES22 = 78	CES47 = 80	CES72 = 88	CES97 = 83
CES23 = 91	CES48 = 79	CES73 = 60	CES98 = 81
CES24 = 90	CES49 = 80	CES74 = 98	CES99 = 83
CES25 = 71	CES50 = 89	CES75 = 62	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)