

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: P1444642

Luminaire Tested: EHBR1-12-UNV-TA-L930-UPL12

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444642
REPORT IS A COMBINATION OF REPORTS P1444300 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-12-UNV-TA-L930-UPL12
Description: Elevate Round Highbay at, 12000 lumens, 3000K 90CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

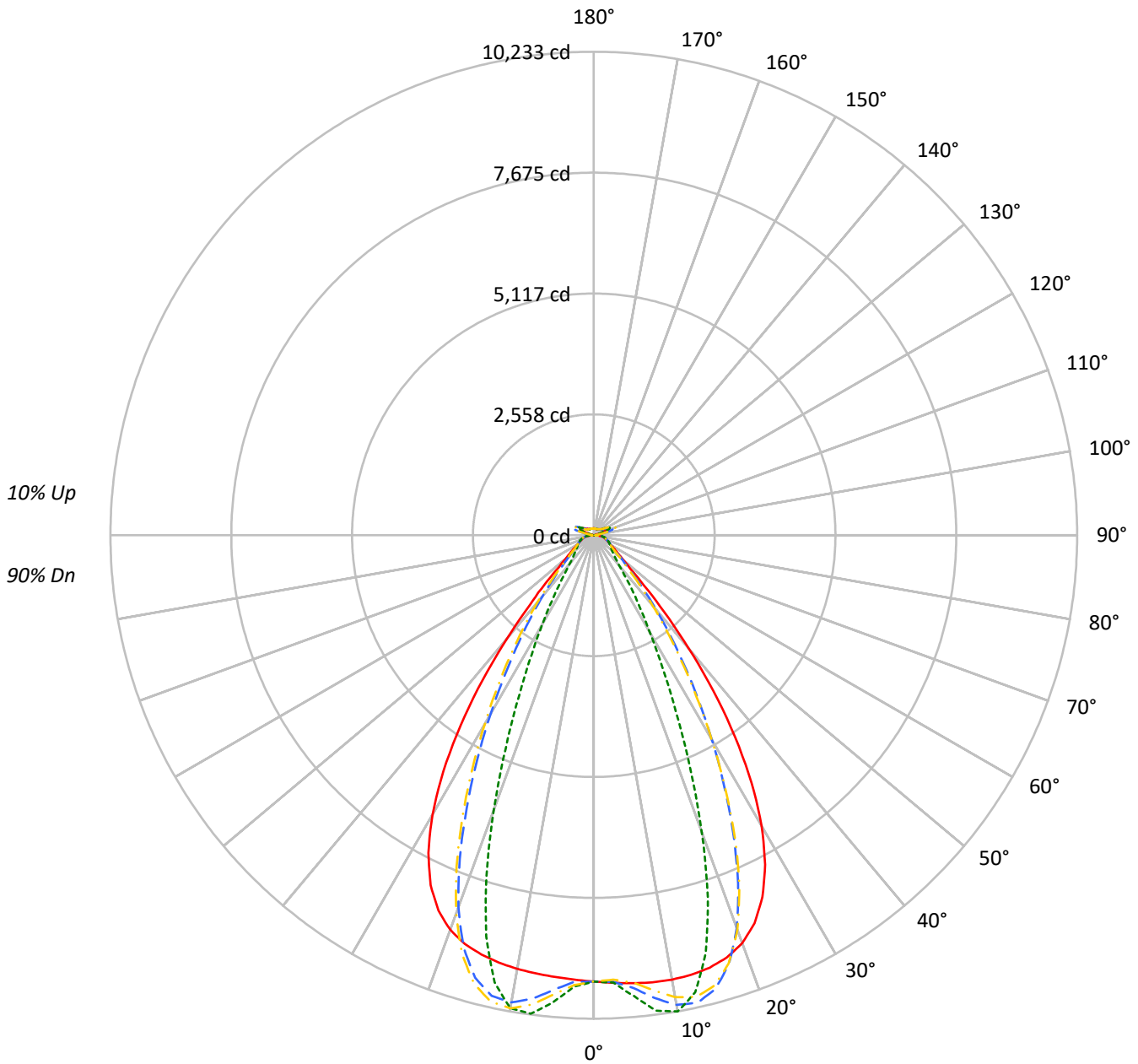
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12013.4 lumens
Efficiency: N/A
Efficacy: 166.6 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 0.77 / 0.88
Luminous Opening: Vertical Cylinder (Dia: 1.71' x H: 0.1')
CIE Type: Direct

Input Watts (W): 72.1
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: P1444642
CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL12

Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	93	93	93	90
1	110	106	103	100	106	103	100	98	97	95	93	92	90	88	87	86	84	84	84	84	82
2	103	97	92	88	100	94	90	86	89	86	83	85	82	79	81	78	76	76	76	76	74
3	96	89	83	78	93	87	81	77	83	78	74	79	75	72	75	72	70	70	70	70	68
4	91	82	75	70	88	80	74	69	76	71	68	73	69	66	70	67	64	64	64	64	62
5	85	76	69	64	83	74	68	63	71	66	62	68	64	60	66	62	59	59	59	59	57
6	80	70	63	59	78	69	63	58	66	61	57	64	59	56	62	58	55	55	55	55	53
7	76	65	59	54	74	64	58	53	62	57	52	60	55	52	58	54	51	51	51	51	49
8	72	61	54	50	70	60	54	50	58	53	49	56	52	48	55	50	47	47	47	47	46
9	68	57	51	46	66	56	50	46	55	49	45	53	48	45	52	47	44	44	44	44	43
10	65	54	48	43	63	53	47	43	52	46	42	50	45	42	49	44	41	41	41	41	40

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	44359	44359	44359	44359
5°	44574	45873	43950	46474
10°	44946	48164	43868	47845
15°	45167	43660	43791	41902
20°	44699	32525	43237	30094
25°	42310	20570	40912	18664
30°	36960	12361	35529	11297
35°	28445	7757	26809	6871
40°	17994	4866	16463	4572
45°	9275	3791	9121	3728
50°	5438	3372	5271	3319
55°	4165	3189	4012	3161
60°	3524	3258	3375	3217
65°	3311	3403	3184	3287
70°	3234	3563	3074	3428
75°	3458	3779	3271	3611
80°	3579	4184	3245	3821
85°	3369	4038	2723	3457

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 14194 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	930.9	7.7
10°-20°	2618.8	21.8
20°-30°	2982.6	24.8
30°-40°	2143.7	17.8
40°-50°	988.7	8.2
50°-60°	473.1	3.9
60°-70°	345.2	2.9
70°-80°	262.3	2.2
80°-90°	121.2	1.0
90°-100°	32.2	0.3
100°-110°	190.6	1.6
110°-120°	352.2	2.9
120°-130°	214.1	1.8
130°-140°	135.8	1.1
140°-150°	99.3	0.8
150°-160°	68.2	0.6
160°-170°	40.7	0.3
170°-180°	13.8	0.1
0°-30°	6532.3	54.4
0°-40°	8676.0	72.2
0°-60°	10137.8	84.4
0°-90°	10866.5	90.5
90°-120°	575.0	4.8
90°-150°	1024.2	8.5
90°-180°	1147.0	9.5
0°-180°	12013.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	9446	9446	9446	9446	9446	
5°	9517	9795	9384	9923	9517	909
15°	9476	9160	9187	8791	9476	2670
25°	8449	4108	8170	3727	8449	3830
35°	5221	1424	4920	1261	5221	3204
45°	1501	613	1476	603	1501	1276
55°	563	431	542	427	563	520
65°	346	355	332	343	346	345
75°	244	266	230	254	244	253
85°	116	139	94	119	116	109
90°	34	42	12	14	34	21
95°	15	16	15	17	15	14
105°	68	88	45	88	68	90
115°	307	373	321	373	307	283
125°	229	242	259	242	229	208
135°	177	159	191	160	177	138
145°	155	152	165	154	155	98
155°	143	145	153	146	143	67
165°	141	142	147	142	141	40
175°	144	145	147	146	144	14
180°	146	146	146	146	146	



TEST NUMBER: P1444642
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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9
2.5°	9482.0	9481.3	9481.1	9480.5	9480.3	9480.3	9479.9	9479.1	9478.7	9477.6	9476.4
5°	9517.2	9516.7	9517.0	9517.1	9516.4	9515.0	9512.6	9509.8	9506.2	9502.8	9499.9
7.5°	9544.4	9545.1	9545.9	9545.7	9543.7	9540.2	9535.5	9532.8	9534.4	9539.6	9551.3
10°	9549.4	9553.5	9555.0	9554.5	9550.4	9547.4	9548.6	9558.5	9578.5	9605.1	9641.4
12.5°	9530.0	9535.0	9534.8	9533.1	9529.1	9533.2	9547.8	9577.5	9620.2	9672.6	9734.1
15°	9475.7	9482.1	9480.3	9478.2	9475.5	9488.8	9517.7	9569.5	9635.4	9709.3	9785.0
17.5°	9370.1	9377.9	9374.1	9371.7	9369.4	9394.4	9444.2	9520.0	9603.0	9686.6	9758.3
20°	9187.0	9192.2	9183.2	9179.0	9182.6	9231.5	9304.8	9401.6	9489.1	9568.2	9617.2
22.5°	8888.2	8894.7	8877.8	8875.8	8896.7	8971.9	9064.6	9172.8	9255.0	9317.8	9336.6
25°	8449.2	8455.6	8435.5	8447.5	8483.0	8585.5	8695.9	8811.6	8881.8	8928.2	8915.4
27.5°	7856.6	7862.5	7843.5	7868.0	7924.1	8058.7	8188.7	8314.2	8376.7	8409.2	8368.1
30°	7109.3	7121.5	7098.9	7133.1	7218.8	7393.6	7542.5	7683.2	7745.6	7770.4	7706.2
32.5°	6221.8	6239.0	6214.2	6265.1	6384.6	6594.5	6763.7	6920.9	6989.9	7018.2	6945.7
35°	5220.7	5245.3	5216.9	5293.3	5440.7	5674.5	5861.8	6037.4	6119.1	6159.1	6086.1
37.5°	4160.1	4183.6	4168.2	4270.1	4432.0	4674.3	4865.5	5054.9	5147.2	5207.3	5149.7
40°	3118.8	3140.4	3152.0	3268.5	3420.8	3649.2	3832.8	4020.2	4123.5	4198.9	4163.4
42.5°	2201.3	2222.9	2262.6	2375.1	2502.0	2691.1	2848.3	3016.6	3115.2	3195.7	3182.0
45°	1500.6	1525.7	1575.4	1667.4	1759.3	1894.9	2010.4	2141.3	2221.9	2295.6	2296.5
47.5°	1051.5	1069.2	1113.6	1176.4	1236.3	1406.1	1413.1	1477.4	1531.5	1586.7	1593.8
50°	810.4	821.0	844.5	879.6	913.5	957.6	998.0	1044.6	1077.9	1108.1	1115.3
52.5°	666.1	672.8	684.8	703.8	723.4	747.5	769.1	794.6	812.8	828.9	832.3
55°	562.9	568.5	586.4	590.0	612.5	616.8	626.5	642.0	652.6	662.2	664.7
57.5°	485.1	489.2	493.0	501.1	508.0	518.1	526.2	537.4	544.0	551.0	551.6
60°	423.7	426.7	429.4	435.0	439.7	446.7	452.3	459.9	464.6	469.9	470.5
62.5°	378.0	380.2	381.9	385.7	389.0	394.4	398.9	405.2	409.7	413.7	414.6
65°	345.6	347.1	348.3	351.0	354.0	358.6	362.6	367.8	371.1	374.2	374.8
67.5°	316.8	318.2	319.5	322.0	324.0	327.5	330.2	334.1	336.5	339.0	339.1
70°	283.8	285.2	286.1	288.5	290.1	293.0	295.2	298.7	301.2	304.0	304.7
72.5°	261.0	261.8	263.0	265.2	267.4	270.6	273.5	277.1	280.2	283.1	284.3
75°	243.6	244.5	245.3	247.2	248.8	251.5	253.6	256.9	259.6	262.7	264.2
77.5°	218.6	219.7	220.4	222.2	223.6	226.1	227.7	230.7	232.9	235.7	237.0
80°	188.3	189.3	189.8	191.5	192.6	195.0	196.5	199.4	201.2	204.0	205.7
82.5°	154.7	155.7	155.9	157.6	158.2	160.1	161.3	164.2	166.5	170.1	172.6
85°	115.8	116.2	116.7	116.3	118.7	118.8	121.5	122.0	125.5	126.4	130.4
87.5°	70.8	71.9	72.4	74.0	74.7	76.3	76.8	78.5	79.5	81.5	82.3
90°	34.0	35.9	36.7	38.9	39.7	41.6	42.3	44.5	45.3	47.5	48.8
92.5°	13.0	13.9	14.6	15.6	16.5	17.6	18.5	19.5	20.3	21.4	23.2
95°	14.8	15.8	16.8	17.7	18.7	19.8	20.8	21.7	22.7	23.7	26.6
97.5°	18.5	19.4	20.2	21.1	22.0	22.8	23.7	24.6	25.4	26.3	29.8
100°	24.1	24.9	25.6	26.4	27.1	27.8	28.5	29.3	30.0	30.7	37.2
102.5°	40.1	42.7	45.3	47.9	50.4	53.1	55.7	58.3	60.9	63.4	77.1
105°	68.2	75.1	82.3	89.2	96.2	103.4	110.4	117.4	124.4	131.4	153.6
107.5°	116.6	129.5	142.6	155.6	168.6	181.7	194.7	207.7	220.7	233.7	256.3
110°	215.6	226.0	236.5	246.9	257.5	267.9	278.4	288.7	299.2	309.8	326.2



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	290.7	295.4	300.1	304.9	309.7	314.3	319.0	323.8	328.5	333.2	345.0
115°	306.7	308.3	310.0	311.6	313.3	315.0	316.6	318.2	319.9	321.4	329.4
117.5°	297.7	297.4	297.2	296.8	296.5	296.2	295.9	295.5	295.2	294.9	299.4
120°	277.6	276.2	274.7	273.2	271.8	270.3	268.9	267.3	265.8	264.2	266.2
122.5°	252.1	250.4	248.7	246.9	245.2	243.5	241.7	239.8	238.0	236.2	237.0
125°	228.7	226.9	225.2	223.4	221.5	219.8	218.1	216.2	214.3	212.4	212.9
127.5°	208.3	207.0	205.9	204.5	203.3	201.9	200.6	199.3	198.0	196.6	196.7
130°	195.1	194.0	192.8	191.8	190.5	189.4	188.1	187.0	185.7	184.5	184.6
132.5°	184.3	183.6	182.8	182.0	181.1	180.1	179.3	178.3	177.4	176.5	176.7
135°	177.2	176.4	175.7	174.9	174.1	173.3	172.4	171.5	170.7	169.8	170.1
137.5°	171.1	170.5	169.9	169.0	168.3	167.5	166.8	165.9	165.1	164.3	164.6
140°	165.6	165.0	164.3	163.7	163.0	162.4	161.6	160.9	160.0	159.3	159.7
142.5°	159.3	158.9	158.4	157.8	157.4	156.8	156.1	155.5	154.9	154.3	154.8
145°	155.2	154.9	154.5	154.0	153.5	153.0	152.6	151.9	151.4	151.0	151.5
147.5°	151.8	151.4	151.1	150.7	150.4	149.9	149.5	149.0	148.6	148.1	148.6
150°	148.6	148.3	148.1	147.7	147.3	146.9	146.5	146.1	145.7	145.2	145.8
152.5°	145.3	145.0	144.8	144.4	144.1	143.7	143.4	142.8	142.5	142.0	142.5
155°	143.4	143.1	142.8	142.5	142.1	141.8	141.3	141.1	140.6	140.3	140.7
157.5°	142.1	141.9	141.7	141.4	141.2	140.8	140.5	140.3	140.0	139.7	139.9
160°	141.7	141.4	141.2	141.0	140.6	140.4	140.1	139.8	139.6	139.3	139.6
162.5°	141.2	141.0	140.7	140.5	140.3	139.9	139.6	139.5	139.2	138.8	139.1
165°	141.3	141.2	141.0	140.8	140.6	140.4	140.3	140.1	139.9	139.7	139.9
167.5°	142.6	142.3	142.2	142.0	141.7	141.6	141.3	141.1	141.0	140.6	140.9
170°	143.1	142.9	142.8	142.8	142.6	142.5	142.4	142.2	142.0	142.0	142.1
172.5°	143.9	143.7	143.7	143.7	143.5	143.4	143.3	143.2	143.1	143.0	143.2
175°	143.9	143.7	143.7	143.7	143.6	143.6	143.5	143.4	143.4	143.3	143.4
177.5°	144.9	144.8	144.8	144.8	144.8	144.8	144.7	144.6	144.6	144.6	144.7
180°	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9
2.5°	9475.5	9474.3	9472.7	9470.8	9469.1	9467.0	9462.3	9460.9	9462.5	9463.5	9465.7
5°	9497.9	9498.7	9498.9	9503.2	9506.9	9516.2	9588.8	9617.7	9640.1	9654.2	9675.8
7.5°	9565.8	9587.7	9609.3	9638.4	9663.4	9697.3	9824.5	9878.5	9917.0	9944.7	9978.7
10°	9680.9	9728.6	9773.3	9825.6	9870.7	9922.2	10040.6	10093.3	10126.6	10150.9	10173.4
12.5°	9796.7	9862.9	9922.7	9980.9	10029.7	10074.4	10116.0	10134.5	10136.0	10136.8	10124.8
15°	9857.2	9920.3	9973.0	10011.5	10040.2	10052.9	9981.2	9943.6	9896.1	9857.0	9792.6
17.5°	9819.0	9857.0	9879.7	9877.5	9865.6	9826.0	9623.1	9511.4	9400.5	9300.6	9169.7
20°	9649.7	9646.8	9627.0	9570.9	9503.5	9398.4	9050.4	8849.6	8655.5	8485.1	8278.2
22.5°	9334.7	9285.1	9216.0	9095.1	8960.9	8777.5	8278.8	7983.4	7713.2	7474.4	7207.0
25°	8878.2	8776.2	8648.8	8456.9	8248.3	7980.7	7366.1	6998.7	6674.3	6392.9	6084.3
27.5°	8294.0	8140.4	7953.6	7688.0	7405.5	7062.6	6381.2	5975.8	5627.5	5325.8	4997.4
30°	7602.4	7402.6	7161.5	6831.8	6490.9	6102.1	5411.0	5000.4	4647.8	4337.4	4008.8
32.5°	6820.9	6586.9	6304.2	5934.3	5565.6	5165.8	4498.4	4100.9	3764.2	3465.6	3168.1
35°	5958.8	5707.8	5408.9	5031.6	4665.0	4276.4	3663.9	3305.6	3008.2	2744.3	2504.1
37.5°	5034.1	4787.7	4503.5	4147.9	3808.1	3455.8	2927.4	2627.1	2377.6	2158.5	1973.1
40°	4072.7	3857.1	3611.2	3303.7	3013.7	2720.4	2286.6	2048.2	1851.3	1684.3	1545.2
42.5°	3123.0	2955.9	2767.3	2524.4	2302.5	2079.1	1745.3	1568.7	1422.8	1302.5	1204.3
45°	2265.9	2154.1	2027.6	1858.7	1705.2	1549.3	1311.8	1187.6	1092.6	1015.1	949.5
47.5°	1584.0	1519.1	1515.2	1359.1	1246.5	1151.3	998.2	919.7	861.6	814.6	773.1
50°	1112.4	1081.0	1042.0	986.3	934.1	880.3	787.0	739.6	705.5	677.0	650.8
52.5°	831.6	815.3	794.5	765.0	736.7	706.4	647.3	617.2	606.5	580.0	559.2
55°	664.2	654.9	643.0	625.7	608.5	601.6	551.0	528.6	514.4	503.9	492.8
57.5°	551.7	544.8	537.7	526.0	516.0	503.9	477.1	465.6	457.2	451.0	443.3
60°	470.6	466.4	462.5	455.6	450.2	443.7	426.7	420.2	415.8	412.1	407.2
62.5°	415.4	413.2	411.2	407.5	404.8	401.3	389.6	386.5	384.3	382.4	379.4
65°	375.5	373.9	372.9	370.4	369.0	367.0	356.9	354.9	353.5	352.8	351.0
67.5°	339.3	337.7	336.9	335.2	334.6	333.3	325.1	323.9	323.5	323.8	323.1
70°	305.4	304.7	305.0	304.8	305.6	305.7	300.8	300.8	301.3	302.4	302.5
72.5°	285.1	285.1	285.4	285.6	286.3	286.7	282.6	282.4	282.6	283.4	283.4
75°	265.7	266.1	267.1	267.4	268.3	268.5	263.1	262.4	262.4	263.2	263.0
77.5°	239.0	240.2	242.1	243.2	244.9	245.2	239.1	238.3	238.4	239.1	238.5
80°	208.6	210.8	214.1	216.3	218.9	219.8	213.6	212.1	210.7	210.5	209.2
82.5°	176.4	179.1	183.0	184.9	187.7	188.3	177.8	175.7	174.6	174.7	173.5
85°	134.7	136.7	140.2	141.3	143.0	142.8	130.8	125.7	127.1	124.9	126.6
87.5°	84.5	85.6	87.9	88.1	88.9	88.8	76.6	74.2	73.5	73.6	72.7
90°	51.4	52.9	55.4	56.1	58.0	58.5	49.4	48.8	47.4	47.3	45.6
92.5°	25.0	26.7	28.6	30.4	32.3	34.0	34.8	36.2	34.4	32.4	30.7
95°	29.6	32.5	35.5	38.3	41.3	44.2	47.1	50.1	47.3	44.6	41.8
97.5°	33.2	36.7	40.2	43.6	47.1	50.5	54.0	57.5	54.5	51.5	48.6
100°	43.7	50.1	56.5	62.9	69.4	75.8	82.3	88.8	83.1	77.4	71.7
102.5°	90.8	104.4	118.2	131.8	145.5	159.2	172.9	186.6	173.6	160.6	147.6
105°	175.8	198.0	220.2	242.3	264.4	286.7	309.0	331.1	310.3	289.4	268.8
107.5°	278.7	301.2	323.7	346.0	368.6	391.0	413.7	436.2	415.9	395.6	375.4
110°	342.6	359.0	375.3	391.8	408.2	424.6	441.3	457.7	445.5	433.3	421.1



TEST NUMBER: P1444642
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL12

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	356.6	368.5	380.2	391.8	403.5	415.3	427.4	439.2	433.1	426.9	420.8
115°	337.4	345.3	353.2	361.1	369.0	376.9	385.2	393.2	391.2	389.2	387.3
117.5°	303.8	308.2	312.7	317.2	321.4	325.9	330.8	335.3	335.7	336.0	336.4
120°	268.1	269.9	271.8	273.8	275.5	277.4	279.8	281.8	283.5	285.1	286.8
122.5°	237.7	238.4	239.1	239.8	240.5	241.1	242.6	243.5	244.5	245.7	246.8
125°	213.2	213.5	214.0	214.3	214.6	214.9	216.1	216.5	216.7	216.6	216.8
127.5°	196.8	196.9	196.9	197.0	197.0	197.0	197.9	198.2	197.6	196.9	196.1
130°	184.8	185.0	185.2	185.4	185.5	185.7	186.8	187.1	186.0	184.6	183.5
132.5°	177.0	177.2	177.4	177.7	177.9	178.1	179.3	179.7	178.4	177.0	175.6
135°	170.4	170.7	170.9	171.3	171.5	171.9	173.2	173.8	172.4	171.0	169.7
137.5°	164.8	165.1	165.5	165.8	166.0	166.4	167.8	168.4	167.4	166.2	165.1
140°	160.0	160.4	160.8	161.2	161.6	162.0	163.6	164.2	163.4	162.5	161.7
142.5°	155.2	155.8	156.3	156.9	157.5	158.0	159.9	160.7	160.0	159.4	158.8
145°	152.0	152.7	153.3	154.0	154.6	155.2	157.3	158.3	157.9	157.5	157.0
147.5°	149.2	149.7	150.2	150.9	151.5	152.2	154.3	155.2	155.0	154.7	154.5
150°	146.2	146.9	147.4	148.0	148.7	149.4	151.8	152.8	152.6	152.4	152.2
152.5°	143.0	143.6	144.1	144.6	145.2	145.9	148.6	149.7	149.4	149.2	149.1
155°	141.0	141.4	141.9	142.2	142.7	143.2	146.1	147.1	147.0	146.9	146.8
157.5°	140.3	140.5	140.7	141.2	141.4	141.8	144.8	145.8	145.7	145.5	145.4
160°	139.6	139.9	140.1	140.4	140.5	140.9	143.9	144.9	144.8	144.6	144.5
162.5°	139.4	139.8	140.0	140.3	140.6	141.0	144.1	145.1	144.9	144.7	144.6
165°	140.1	140.2	140.4	140.6	140.8	141.0	143.8	144.7	144.6	144.5	144.5
167.5°	141.0	141.2	141.4	141.5	141.8	142.0	144.6	145.5	145.4	145.3	145.3
170°	142.2	142.4	142.6	142.8	142.9	143.2	145.4	146.1	146.0	145.8	145.7
172.5°	143.4	143.7	143.8	144.0	144.2	144.5	146.3	147.0	146.9	146.8	146.6
175°	143.6	143.7	143.9	144.1	144.2	144.5	146.0	146.4	146.3	146.3	146.2
177.5°	144.9	144.9	145.1	145.2	145.3	145.4	146.4	146.7	146.7	146.7	146.6
180°	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7



TEST NUMBER: P1444642
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL12

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9
2.5°	9466.2	9469.5	9470.0	9473.9	9473.6	9478.2	9477.4	9481.3	9479.0	9482.2	9479.5
5°	9688.6	9708.7	9719.2	9738.9	9745.1	9762.7	9767.7	9783.8	9784.4	9797.2	9794.2
7.5°	10002.9	10032.6	10050.3	10074.6	10086.9	10107.1	10116.0	10131.1	10135.9	10147.8	10148.7
10°	10190.5	10205.0	10215.0	10221.9	10228.1	10231.0	10234.4	10233.5	10234.4	10233.0	10236.0
12.5°	10116.7	10095.6	10081.7	10055.3	10040.0	10010.9	9996.5	9968.6	9958.3	9934.2	9930.8
15°	9742.8	9669.4	9617.5	9542.1	9494.6	9420.3	9376.9	9309.9	9279.3	9226.1	9212.1
17.5°	9061.3	8924.9	8819.4	8684.2	8590.2	8463.7	8384.2	8279.5	8222.1	8137.7	8108.5
20°	8105.8	7904.1	7745.9	7557.3	7422.4	7254.3	7146.7	7010.9	6932.2	6828.4	6786.4
22.5°	6984.0	6732.9	6535.3	6312.6	6149.8	5962.4	5833.5	5686.6	5600.9	5488.3	5438.4
25°	5827.9	5550.9	5331.2	5096.5	4924.5	4736.8	4607.8	4463.5	4374.8	4267.8	4218.3
27.5°	4722.1	4441.7	4229.3	4011.2	3853.5	3684.0	3567.7	3441.7	3363.0	3271.6	3225.0
30°	3746.3	3499.0	3318.2	3137.3	3006.0	2868.4	2771.6	2667.3	2598.2	2520.1	2475.6
32.5°	2951.2	2760.3	2618.8	2475.1	2367.8	2252.7	2169.2	2077.1	2014.7	1944.9	1904.7
35°	2337.4	2189.0	2076.2	1957.8	1865.6	1767.7	1694.1	1614.5	1558.6	1498.5	1463.8
37.5°	1846.7	1728.8	1636.0	1537.7	1461.9	1380.7	1353.4	1262.2	1204.2	1156.3	1123.0
40°	1449.3	1355.5	1278.7	1203.6	1141.7	1080.2	1030.8	982.0	944.6	910.3	886.6
42.5°	1131.8	1063.8	1007.7	952.7	907.6	862.8	827.0	793.4	768.3	745.8	730.5
45°	899.7	853.0	814.0	775.2	743.4	713.5	689.4	668.0	651.7	638.2	628.7
47.5°	739.1	707.1	679.7	653.5	631.9	612.3	596.2	590.9	573.4	561.6	557.1
50°	628.2	608.8	588.0	568.6	554.2	539.9	529.4	519.2	512.6	507.1	505.5
52.5°	545.4	530.6	518.9	506.7	497.3	487.0	479.8	472.9	469.4	466.5	466.2
55°	483.8	473.5	465.7	457.5	451.8	445.8	442.1	438.5	436.9	435.5	435.6
57.5°	437.2	430.2	425.3	420.0	416.9	414.0	413.0	412.2	412.6	412.9	413.7
60°	403.2	398.7	395.6	392.5	391.2	390.3	391.0	391.8	393.5	394.8	396.0
62.5°	377.2	374.6	373.1	371.4	371.3	371.4	372.8	374.2	376.2	377.8	378.9
65°	350.4	349.0	348.4	347.5	347.9	348.3	350.0	351.0	353.1	354.3	355.7
67.5°	323.4	323.0	323.3	323.3	324.3	325.1	326.7	327.9	329.6	330.8	331.9
70°	303.3	303.5	304.2	304.4	305.4	305.9	307.4	308.2	309.7	310.7	312.1
72.5°	283.9	283.6	283.8	283.4	283.7	283.6	284.4	284.7	286.1	286.8	288.6
75°	263.2	262.4	262.2	261.2	261.3	260.6	260.9	260.8	261.7	262.1	263.3
77.5°	238.3	236.8	236.1	234.5	234.5	233.9	234.5	234.9	236.4	237.2	238.6
80°	208.3	206.0	205.0	203.2	203.5	203.4	205.0	206.1	208.0	208.3	210.1
82.5°	173.1	170.8	169.7	167.9	168.3	168.4	169.8	170.0	171.6	172.3	174.5
85°	124.0	124.9	122.4	122.6	122.1	123.1	124.0	125.2	126.5	128.9	130.6
87.5°	73.0	72.7	73.6	73.7	74.9	75.7	77.6	78.8	81.1	82.9	86.1
90°	45.0	43.3	43.4	42.4	43.0	42.2	42.9	41.8	42.7	42.3	43.7
92.5°	28.7	26.9	25.0	23.2	21.2	19.5	18.4	17.7	16.8	16.0	15.1
95°	39.1	36.4	33.7	30.9	28.2	25.5	24.5	23.5	22.5	21.5	20.5
97.5°	45.6	42.8	39.8	36.8	33.9	30.9	30.3	29.6	29.0	28.2	27.6
100°	66.0	60.4	54.7	49.0	43.3	37.7	37.2	36.6	36.1	35.6	35.0
102.5°	134.7	121.6	108.6	95.6	82.7	69.6	67.4	65.1	62.8	60.6	58.3
105°	247.9	227.2	206.4	185.6	164.9	144.1	137.9	131.6	125.5	119.2	113.1
107.5°	355.1	334.8	314.6	294.3	274.1	253.8	244.0	234.3	224.4	214.6	204.9
110°	408.9	396.7	384.6	372.3	360.2	348.1	338.7	329.4	320.0	310.7	301.4



TEST NUMBER: P1444642
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL12

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	414.6	408.6	402.5	396.4	390.3	384.3	379.6	375.1	370.6	366.0	361.4
115°	385.3	383.4	381.4	379.4	377.6	375.6	375.3	375.0	374.6	374.4	374.1
117.5°	336.7	336.9	337.3	337.7	338.1	338.5	340.9	343.4	345.8	348.3	350.8
120°	288.4	289.9	291.6	293.3	294.9	296.6	299.8	303.1	306.4	309.7	313.1
122.5°	248.0	249.1	250.2	251.5	252.5	253.7	256.9	260.2	263.4	266.6	270.1
125°	216.8	216.8	216.9	216.9	216.9	217.0	219.7	222.3	224.9	227.7	230.4
127.5°	195.4	194.7	193.9	193.3	192.5	191.9	193.4	195.0	196.5	198.1	199.8
130°	182.1	181.0	179.6	178.4	177.1	175.9	176.5	177.1	177.7	178.4	178.9
132.5°	174.0	172.6	171.1	169.6	168.2	166.7	166.6	166.6	166.6	166.6	166.7
135°	168.2	166.9	165.5	164.1	162.6	161.3	160.9	160.6	160.2	159.9	159.6
137.5°	164.1	163.0	161.8	160.8	159.6	158.5	158.0	157.5	156.9	156.6	156.0
140°	160.8	160.0	159.0	158.1	157.2	156.4	155.9	155.5	155.0	154.7	154.3
142.5°	158.1	157.4	156.8	156.0	155.4	154.7	154.3	153.9	153.5	153.2	152.8
145°	156.7	156.1	155.7	155.3	154.8	154.4	154.0	153.8	153.5	153.2	153.0
147.5°	154.3	153.9	153.6	153.5	153.1	152.8	152.6	152.4	152.1	152.0	151.8
150°	151.9	151.6	151.3	151.1	150.9	150.6	150.4	150.3	150.2	150.2	150.0
152.5°	148.8	148.6	148.3	148.2	147.8	147.6	147.5	147.5	147.3	147.2	147.1
155°	146.6	146.5	146.3	146.1	146.0	145.8	145.7	145.5	145.3	145.2	145.0
157.5°	145.3	145.2	145.0	144.9	144.7	144.5	144.4	144.3	144.1	144.0	143.8
160°	144.4	144.3	144.1	144.0	143.8	143.7	143.5	143.2	143.1	142.8	142.6
162.5°	144.4	144.1	143.9	143.8	143.6	143.4	143.2	143.0	142.8	142.8	142.6
165°	144.3	144.2	144.0	143.8	143.7	143.7	143.4	143.1	143.0	142.8	142.5
167.5°	145.1	145.0	144.8	144.7	144.5	144.5	144.3	144.1	143.8	143.7	143.5
170°	145.5	145.3	145.2	145.0	144.8	144.5	144.4	144.2	144.0	143.8	143.6
172.5°	146.5	146.3	146.1	146.1	145.9	145.7	145.5	145.3	145.3	145.1	144.9
175°	146.1	146.1	146.1	146.0	146.0	145.9	145.8	145.8	145.7	145.7	145.6
177.5°	146.6	146.6	146.6	146.5	146.5	146.5	146.3	146.2	146.2	146.1	146.0
180°	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7



TEST NUMBER: P1444642
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL12

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9
2.5°	9482.3	9479.9	9481.0	9476.6	9477.6	9472.3	9471.7	9465.7	9465.1	9459.4	9457.3
5°	9803.3	9798.0	9804.0	9794.7	9796.6	9784.4	9783.5	9767.8	9762.4	9742.9	9734.4
7.5°	10156.1	10154.2	10157.8	10150.1	10149.8	10139.0	10134.6	10120.6	10111.8	10091.3	10078.3
10°	10233.5	10235.3	10232.3	10233.0	10228.9	10227.7	10223.4	10220.7	10213.6	10208.3	10200.4
12.5°	9912.5	9914.4	9902.2	9909.9	9903.8	9918.1	9917.0	9933.8	9936.4	9957.8	9965.9
15°	9170.6	9168.3	9144.8	9159.7	9151.6	9183.1	9190.1	9232.5	9255.0	9309.4	9342.7
17.5°	8049.9	8043.9	8010.8	8028.8	8019.6	8066.1	8081.6	8149.2	8191.4	8278.9	8341.2
20°	6714.0	6702.4	6663.8	6684.9	6675.4	6728.1	6750.3	6832.0	6886.4	7002.3	7084.7
22.5°	5361.5	5343.3	5305.3	5325.1	5316.1	5370.6	5399.6	5481.6	5543.9	5662.8	5759.1
25°	4147.0	4130.7	4094.1	4107.9	4104.6	4150.7	4176.4	4253.9	4315.2	4428.5	4520.4
27.5°	3163.0	3146.1	3112.9	3122.7	3119.3	3158.6	3182.9	3247.7	3300.4	3395.8	3476.4
30°	2420.9	2400.4	2372.3	2377.6	2375.4	2407.2	2429.9	2484.4	2529.6	2610.2	2679.7
32.5°	1855.6	1835.0	1809.2	1811.7	1808.3	1833.3	1852.0	1899.4	1938.8	2007.3	2067.8
35°	1419.8	1443.8	1388.8	1423.6	1387.3	1440.6	1421.5	1451.1	1485.0	1542.7	1593.2
37.5°	1091.5	1074.7	1060.5	1059.0	1058.9	1071.3	1085.9	1114.5	1144.3	1187.4	1231.8
40°	864.9	853.2	844.0	843.4	844.0	852.8	863.6	883.3	905.1	936.1	968.8
42.5°	717.4	709.6	704.0	703.6	705.4	711.7	719.1	730.8	745.1	765.1	787.5
45°	620.9	616.6	613.5	613.3	614.1	617.4	621.7	629.0	638.0	650.4	664.7
47.5°	553.2	552.1	550.2	550.3	549.4	550.7	551.3	555.4	560.1	569.5	588.1
50°	503.9	503.9	502.6	502.5	501.3	501.2	500.1	501.7	503.9	509.8	515.7
52.5°	464.9	464.8	463.4	463.1	461.8	461.7	460.8	461.4	461.7	464.6	468.2
55°	434.5	433.5	431.7	431.0	430.6	431.3	431.0	431.0	430.6	431.8	432.9
57.5°	412.6	411.4	409.7	409.1	409.0	409.9	409.9	409.7	408.0	406.9	405.3
60°	395.3	394.2	392.2	391.7	392.0	393.3	393.2	392.2	389.7	387.6	385.1
62.5°	378.4	377.8	376.9	376.8	376.5	376.7	375.9	374.7	372.3	370.0	367.3
65°	355.6	355.8	355.1	355.2	354.3	354.1	352.8	351.7	349.3	347.3	344.5
67.5°	331.9	332.1	331.5	331.5	331.1	331.1	330.3	329.3	327.2	325.5	323.4
70°	312.4	312.9	312.5	312.6	312.1	311.9	310.7	309.7	307.5	306.1	304.1
72.5°	289.1	290.1	290.1	290.3	289.4	289.1	287.6	286.3	284.4	283.3	281.8
75°	263.9	265.2	265.6	266.2	265.0	264.4	262.7	261.7	260.2	259.5	258.5
77.5°	239.3	240.8	242.2	243.5	241.6	239.9	237.8	236.2	234.0	233.1	231.5
80°	211.6	214.3	217.4	220.1	216.6	213.2	209.8	207.3	204.2	203.0	201.0
82.5°	175.6	178.3	180.1	181.8	179.4	176.9	173.6	171.4	168.2	166.9	164.7
85°	133.4	136.8	137.9	138.8	137.2	135.9	132.8	128.6	126.6	123.4	121.7
87.5°	87.7	89.7	90.2	90.5	89.5	88.8	86.9	84.9	81.5	78.9	75.8
90°	43.0	43.8	42.3	42.3	41.7	42.4	40.9	40.8	38.5	38.1	35.9
92.5°	14.3	13.3	12.5	11.6	12.7	13.3	14.3	15.1	16.0	16.8	17.7
95°	19.5	18.4	17.5	16.5	17.3	18.1	18.9	19.7	20.4	21.2	22.0
97.5°	26.9	26.3	25.6	25.0	25.4	25.8	26.4	26.8	27.3	27.7	28.3
100°	34.5	34.0	33.4	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
102.5°	56.1	53.8	51.5	49.3	50.8	52.3	53.8	55.3	56.9	58.5	60.1
105°	106.8	100.7	94.5	88.3	94.3	100.3	106.3	112.3	118.3	124.3	130.4
107.5°	195.1	185.3	175.6	165.8	176.6	187.6	198.5	209.3	220.3	231.2	242.1
110°	292.0	282.8	273.4	264.1	275.7	287.3	298.9	310.5	322.0	333.6	345.2



TEST NUMBER: P1444642
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL12

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	356.8	352.4	347.8	343.3	350.8	358.1	365.6	373.2	380.6	388.2	395.7
115°	373.8	373.6	373.3	373.0	376.6	380.1	383.6	387.1	390.8	394.2	397.9
117.5°	353.2	355.7	358.3	360.8	362.0	363.1	364.2	365.4	366.5	367.7	368.9
120°	316.4	319.7	323.1	326.5	326.1	325.6	325.1	324.6	324.4	323.9	323.6
122.5°	273.4	276.7	280.1	283.5	282.5	281.5	280.4	279.5	278.7	277.7	276.8
125°	233.3	236.1	238.8	241.7	240.7	239.7	238.6	237.8	236.9	236.0	235.1
127.5°	201.5	203.3	205.0	206.7	206.2	205.8	205.3	205.0	204.6	204.2	203.9
130°	179.7	180.5	181.3	182.1	182.2	182.3	182.6	182.8	183.1	183.3	183.7
132.5°	166.9	167.0	167.2	167.4	167.9	168.4	169.0	169.7	170.4	171.0	171.8
135°	159.4	159.2	159.1	158.9	159.7	160.5	161.3	162.2	163.1	164.1	165.1
137.5°	155.7	155.3	155.0	154.7	155.5	156.3	157.2	158.0	159.0	160.0	161.0
140°	154.0	153.6	153.5	153.2	154.0	154.8	155.6	156.5	157.5	158.4	159.4
142.5°	152.5	152.2	151.9	151.8	152.5	153.2	154.1	154.8	155.7	156.5	157.5
145°	152.7	152.5	152.4	152.2	152.7	153.2	153.8	154.4	155.0	155.6	156.3
147.5°	151.7	151.5	151.4	151.3	151.7	152.1	152.5	152.9	153.4	153.9	154.4
150°	150.1	149.9	149.8	149.9	150.1	150.3	150.6	150.9	151.2	151.5	151.9
152.5°	147.1	146.9	147.0	147.0	147.2	147.5	147.8	147.9	148.3	148.6	148.9
155°	145.0	144.8	144.7	144.6	144.7	144.8	145.0	145.0	145.2	145.3	145.4
157.5°	143.7	143.6	143.6	143.4	143.4	143.3	143.4	143.4	143.4	143.4	143.5
160°	142.5	142.3	142.0	141.9	141.9	142.0	142.0	142.0	142.1	142.2	142.2
162.5°	142.5	142.3	142.2	142.0	142.0	141.9	141.8	141.7	141.6	141.5	141.5
165°	142.3	142.1	142.0	141.7	141.7	141.7	141.6	141.6	141.6	141.6	141.5
167.5°	143.3	143.0	142.9	142.7	142.6	142.3	142.3	142.0	142.0	141.8	141.8
170°	143.4	143.3	143.1	142.9	142.8	142.8	142.8	142.6	142.6	142.6	142.6
172.5°	144.7	144.6	144.5	144.3	144.2	144.2	144.1	144.1	144.0	144.0	144.0
175°	145.5	145.5	145.4	145.3	145.3	145.2	145.2	145.1	145.0	144.8	144.8
177.5°	145.9	145.8	145.7	145.6	145.6	145.6	145.6	145.6	145.6	145.5	145.5
180°	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7



TEST NUMBER: P1444642
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL12

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9
2.5°	9451.2	9448.7	9442.1	9438.9	9432.8	9429.8	9425.0	9422.0	9418.2	9415.3	9413.9
5°	9713.0	9700.9	9676.7	9661.8	9635.6	9618.4	9592.4	9573.4	9546.6	9526.8	9501.4
7.5°	10053.7	10035.1	10004.1	9980.6	9944.0	9916.1	9875.0	9842.1	9796.7	9759.1	9712.8
10°	10192.4	10181.5	10167.6	10152.5	10132.3	10112.4	10084.3	10055.8	10017.7	9979.8	9930.3
12.5°	9987.4	9997.6	10017.7	10027.0	10042.4	10047.6	10054.6	10051.3	10045.2	10029.7	10007.2
15°	9406.8	9449.3	9516.6	9563.0	9628.1	9673.9	9734.4	9773.4	9818.3	9845.1	9870.6
17.5°	8451.7	8534.0	8652.6	8747.2	8874.2	8977.5	9104.1	9203.5	9318.3	9406.3	9500.1
20°	7228.4	7343.6	7507.3	7646.4	7830.4	7986.6	8186.5	8354.1	8549.4	8712.3	8888.1
22.5°	5911.8	6047.3	6234.9	6402.7	6622.4	6818.7	7069.3	7290.9	7555.0	7791.7	8053.4
25°	4669.7	4802.5	4993.7	5167.3	5404.6	5620.9	5894.6	6148.7	6455.2	6741.1	7069.3
27.5°	3604.6	3722.6	3890.5	4046.8	4264.2	4476.5	4754.3	5025.2	5352.4	5659.6	6013.3
30°	2783.7	2879.4	3014.1	3139.8	3314.3	3487.9	3735.4	3986.0	4311.4	4629.8	4992.4
32.5°	2157.4	2238.9	2351.3	2453.4	2587.8	2718.8	2900.9	3101.2	3386.7	3691.6	4042.3
35°	1670.0	1739.8	1835.5	1923.4	2033.9	2137.8	2273.8	2416.8	2634.7	2891.2	3205.0
37.5°	1331.5	1359.9	1428.1	1500.1	1592.0	1677.4	1783.8	1889.5	2045.3	2247.7	2504.1
40°	1012.5	1057.7	1113.3	1170.1	1239.6	1308.1	1424.8	1480.9	1583.6	1728.9	1927.8
42.5°	817.0	848.7	887.8	927.3	975.8	1023.5	1082.5	1142.6	1219.3	1317.7	1459.2
45°	683.7	704.4	729.6	755.9	787.7	820.3	859.8	901.0	953.1	1013.6	1099.5
47.5°	594.6	606.1	622.5	640.5	662.3	684.8	710.5	736.8	769.1	805.0	854.0
50°	525.1	534.6	547.4	559.5	574.5	597.6	607.8	622.3	641.7	662.8	690.2
52.5°	474.8	481.1	489.1	496.1	505.5	514.2	525.6	535.6	549.0	561.7	579.4
55°	435.6	437.9	442.5	446.9	453.5	459.4	467.1	473.7	482.3	489.9	501.0
57.5°	405.4	405.6	407.7	410.0	414.2	417.9	423.3	427.6	433.5	438.4	445.0
60°	383.6	382.5	382.9	383.7	386.0	388.4	391.9	394.7	398.4	401.2	404.9
62.5°	365.5	363.7	363.3	363.1	364.3	365.1	367.0	368.3	370.4	371.7	373.7
65°	342.6	340.5	339.7	338.7	339.1	338.8	339.4	339.5	340.6	340.9	342.0
67.5°	322.0	320.2	319.0	317.7	317.2	316.2	315.7	314.8	314.8	313.9	313.8
70°	303.0	301.3	300.4	299.2	298.5	297.3	296.5	295.0	294.0	292.6	291.8
72.5°	281.2	280.2	279.9	279.0	278.8	278.1	277.9	276.7	276.1	274.9	274.2
75°	258.3	257.5	257.5	256.6	256.5	255.7	255.5	254.3	253.7	252.5	251.9
77.5°	231.1	229.8	229.5	228.5	228.8	228.4	228.7	227.9	227.4	226.3	225.8
80°	200.4	198.8	198.2	196.9	197.3	196.7	197.3	197.2	197.7	196.7	196.5
82.5°	164.1	162.4	162.0	161.1	161.7	161.8	163.1	162.4	162.7	161.7	162.2
85°	119.4	118.1	116.4	116.1	115.0	116.1	114.7	115.7	114.0	115.1	113.6
87.5°	74.0	71.4	70.0	68.2	67.5	65.7	65.0	63.7	64.1	63.4	63.8
90°	35.9	34.2	34.7	33.7	34.4	33.6	34.6	34.3	35.6	35.2	36.5
92.5°	18.4	19.3	20.9	22.6	24.1	25.8	27.4	29.1	30.6	32.3	33.8
95°	22.8	23.6	25.8	27.9	30.0	32.2	34.3	36.4	38.6	40.7	42.9
97.5°	28.8	29.2	31.4	33.5	35.6	37.8	39.8	42.1	44.2	46.3	48.5
100°	32.9	33.0	39.0	45.1	51.2	57.2	63.2	69.2	75.4	81.5	87.5
102.5°	61.6	63.1	78.4	93.7	109.0	124.3	139.6	155.0	170.3	185.6	201.0
105°	136.3	142.3	165.7	189.1	212.4	235.8	259.1	282.5	305.8	329.3	352.6
107.5°	253.1	264.0	285.2	306.2	327.3	348.4	369.6	390.7	411.9	432.9	454.2
110°	356.8	368.4	382.6	396.6	410.8	425.0	439.2	453.3	467.5	481.7	495.9



TEST NUMBER: P1444642
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL12

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	403.1	410.6	418.8	427.1	435.3	443.6	451.9	460.2	468.5	476.8	485.1
115°	401.4	405.0	408.1	411.4	414.6	417.9	421.2	424.4	427.7	431.0	434.3
117.5°	370.1	371.3	371.8	372.4	372.9	373.5	374.0	374.6	375.2	375.9	376.3
120°	323.1	322.8	322.3	321.8	321.3	320.8	320.4	319.9	319.5	319.0	318.7
122.5°	275.9	275.1	274.6	274.1	273.7	273.2	272.9	272.4	272.1	271.6	271.3
125°	234.3	233.5	233.9	234.5	235.0	235.5	236.1	236.7	237.2	237.8	238.4
127.5°	203.6	203.4	204.6	205.9	207.3	208.5	209.9	211.2	212.5	213.9	215.1
130°	184.0	184.4	186.0	187.7	189.3	191.0	192.6	194.3	195.9	197.6	199.3
132.5°	172.5	173.4	174.8	176.4	178.0	179.7	181.3	183.0	184.5	186.2	187.7
135°	166.1	167.2	168.7	170.0	171.5	173.1	174.5	176.0	177.4	178.9	180.4
137.5°	162.0	163.1	164.3	165.4	166.6	167.9	169.0	170.2	171.4	172.5	173.7
140°	160.4	161.6	162.1	162.9	163.5	164.3	164.9	165.8	166.3	167.1	167.7
142.5°	158.4	159.3	159.7	160.2	160.7	161.2	161.7	162.1	162.5	163.0	163.4
145°	156.9	157.7	157.8	157.9	158.0	158.1	158.2	158.3	158.3	158.4	158.4
147.5°	155.0	155.5	155.4	155.5	155.4	155.3	155.3	155.3	155.1	155.1	155.1
150°	152.2	152.7	152.5	152.4	152.2	152.0	151.9	151.7	151.5	151.4	151.2
152.5°	149.2	149.5	149.3	149.1	148.9	148.7	148.5	148.3	148.1	147.8	147.8
155°	145.5	145.7	145.5	145.5	145.3	145.3	145.1	145.1	145.0	144.9	144.8
157.5°	143.4	143.5	143.4	143.4	143.2	143.2	143.2	143.1	143.1	143.2	143.2
160°	142.3	142.4	142.2	142.2	142.1	142.0	142.0	142.0	142.0	142.1	142.1
162.5°	141.4	141.3	141.2	141.2	141.2	141.1	141.2	141.2	141.1	141.2	141.2
165°	141.6	141.7	141.5	141.4	141.3	141.2	141.2	141.1	141.1	141.0	141.0
167.5°	141.6	141.5	141.5	141.6	141.6	141.6	141.7	141.8	141.9	142.0	142.0
170°	142.5	142.6	142.4	142.4	142.4	142.3	142.2	142.2	142.3	142.2	142.2
172.5°	144.0	144.0	143.9	143.7	143.7	143.5	143.4	143.3	143.2	143.0	142.9
175°	144.7	144.6	144.5	144.5	144.5	144.3	144.3	144.2	144.1	144.1	144.0
177.5°	145.5	145.4	145.3	145.3	145.3	145.3	145.3	145.3	145.3	145.3	145.2
180°	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7



TEST NUMBER: P1444642
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL12

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9
2.5°	9412.0	9411.9	9411.0	9411.4	9411.6	9412.2	9413.0	9413.9	9414.1	9414.7	9414.9
5°	9482.4	9459.2	9441.9	9423.0	9408.7	9395.9	9387.3	9380.6	9378.0	9378.6	9380.2
7.5°	9673.4	9625.4	9585.7	9540.6	9503.0	9463.2	9430.2	9398.8	9375.9	9358.9	9349.4
10°	9883.0	9824.5	9768.5	9703.3	9641.3	9575.3	9515.4	9455.2	9405.0	9361.3	9329.3
12.5°	9976.0	9934.7	9886.2	9824.6	9758.4	9682.2	9605.2	9522.7	9446.0	9374.8	9317.3
15°	9877.6	9877.7	9860.0	9830.4	9784.4	9723.6	9650.1	9564.2	9473.6	9381.3	9296.9
17.5°	9565.0	9623.9	9656.7	9677.5	9671.1	9648.7	9602.0	9536.0	9451.6	9353.1	9250.1
20°	9028.1	9167.2	9266.4	9355.6	9405.6	9438.9	9435.5	9408.6	9348.5	9264.8	9157.5
22.5°	8276.1	8509.6	8693.8	8865.7	8986.2	9084.2	9130.8	9150.5	9123.3	9065.0	8964.3
25°	7362.7	7680.1	7951.1	8214.0	8411.2	8580.8	8682.6	8754.4	8760.1	8729.6	8639.8
27.5°	6347.7	6722.4	7065.3	7414.8	7692.1	7935.9	8095.7	8212.7	8249.9	8245.0	8163.4
30°	5334.0	5727.4	6105.4	6512.9	6856.1	7167.4	7378.6	7536.9	7597.9	7609.5	7531.1
32.5°	4376.7	4764.7	5141.5	5567.6	5945.2	6302.0	6551.6	6739.6	6810.5	6827.2	6741.1
35°	3507.9	3865.8	4224.0	4636.9	5012.4	5381.9	5644.7	5841.6	5907.8	5919.0	5819.3
37.5°	2754.4	3059.4	3371.4	3742.0	4086.8	4433.8	4683.6	4868.6	4916.9	4913.8	4801.1
40°	2120.0	2357.1	2607.9	2912.9	3199.6	3492.9	3703.8	3856.8	3882.2	3863.4	3744.9
42.5°	1594.2	1765.3	1947.2	2174.8	2387.6	2607.1	2760.6	2874.1	2877.8	2848.1	2741.7
45°	1187.6	1354.7	1430.9	1568.6	1705.6	1851.6	1945.3	2015.4	2004.6	1978.4	1897.6
47.5°	905.4	969.6	1037.6	1123.0	1202.9	1368.5	1356.2	1468.8	1387.7	1443.0	1321.3
50°	719.0	754.8	791.5	836.9	878.5	921.8	948.9	969.1	966.4	957.8	934.4
52.5°	611.7	622.7	640.8	666.6	689.8	713.3	728.7	741.2	741.4	738.0	726.2
55°	511.2	525.3	538.2	555.1	583.8	588.2	610.3	605.8	607.6	601.4	607.7
57.5°	450.7	458.9	466.2	476.2	484.5	494.2	499.9	505.4	504.9	503.7	497.7
60°	407.9	412.4	416.4	422.3	426.9	432.3	435.0	437.7	436.8	434.8	429.4
62.5°	374.8	377.7	380.0	383.7	386.5	389.9	391.3	392.5	391.3	389.3	384.6
65°	342.2	344.1	345.5	348.3	350.3	353.2	354.4	355.5	354.4	352.9	349.3
67.5°	312.8	313.0	312.9	314.0	314.6	316.4	316.9	317.7	316.4	315.1	312.1
70°	290.5	290.1	289.5	290.0	290.1	291.0	291.0	291.0	289.4	287.1	283.8
72.5°	273.1	272.9	272.4	272.8	272.8	273.6	273.3	273.0	271.1	268.9	265.6
75°	250.7	250.5	249.7	249.7	249.0	249.3	248.4	247.8	245.8	243.9	241.0
77.5°	224.5	224.0	222.8	222.3	221.0	220.5	218.8	217.9	215.8	214.3	211.8
80°	195.2	194.7	193.2	192.3	190.2	188.8	186.3	184.9	182.5	181.1	178.6
82.5°	161.4	161.6	160.0	158.9	155.9	153.5	150.2	148.4	145.7	144.3	141.8
85°	114.8	113.1	114.0	113.9	112.0	110.1	107.3	105.3	103.1	101.8	100.0
87.5°	62.9	63.4	62.9	62.5	61.1	60.2	58.0	56.9	55.3	54.4	53.1
90°	34.0	33.1	30.6	29.7	27.3	25.8	23.1	21.7	19.2	18.7	17.2
92.5°	32.0	30.2	28.4	26.6	24.9	23.1	21.2	19.4	17.6	16.9	16.5
95°	40.3	37.7	35.1	32.5	29.9	27.3	24.7	22.1	19.5	19.0	18.4
97.5°	45.4	42.3	39.3	36.3	33.2	30.1	27.2	24.1	21.0	20.7	20.3
100°	80.5	73.5	66.5	59.4	52.3	45.3	38.3	31.3	24.2	23.9	23.4
102.5°	183.8	166.8	149.8	132.7	115.7	98.6	81.5	64.4	47.4	44.9	42.5
105°	326.9	300.9	275.2	249.4	223.5	197.7	171.9	146.0	120.2	111.9	103.6
107.5°	429.9	405.6	381.4	357.2	332.8	308.5	284.3	259.9	235.6	221.1	206.5
110°	476.6	457.3	438.2	418.9	399.6	380.3	361.0	341.8	322.5	309.8	297.4



TEST NUMBER: P1444642
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL12

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	471.0	456.9	442.8	428.6	414.6	400.4	386.3	372.2	358.1	350.4	342.8
115°	425.8	417.3	408.9	400.3	391.8	383.3	374.8	366.3	357.7	353.7	349.7
117.5°	372.1	367.7	363.4	359.0	354.7	350.3	346.0	341.6	337.2	335.9	334.4
120°	317.4	316.1	314.7	313.4	312.1	310.7	309.3	308.0	306.6	306.8	307.0
122.5°	271.8	272.3	272.9	273.3	273.8	274.3	274.8	275.3	275.7	276.8	277.9
125°	239.6	240.9	242.2	243.5	244.6	245.9	247.2	248.4	249.6	250.7	251.7
127.5°	216.6	218.0	219.5	220.8	222.3	223.7	225.1	226.3	227.8	228.8	229.8
130°	200.5	201.8	202.9	204.2	205.4	206.7	207.8	209.1	210.2	211.0	211.7
132.5°	188.7	189.9	191.1	192.0	193.2	194.3	195.4	196.5	197.7	198.2	198.8
135°	181.3	182.0	182.9	183.7	184.6	185.3	186.2	187.1	187.9	188.3	188.7
137.5°	174.5	175.0	175.8	176.4	177.2	177.8	178.6	179.2	180.0	180.1	180.5
140°	168.4	169.1	169.9	170.6	171.3	172.0	172.9	173.6	174.4	174.7	174.8
142.5°	164.0	164.4	165.0	165.6	166.2	166.7	167.4	168.0	168.6	168.9	169.0
145°	159.1	159.7	160.4	161.0	161.7	162.4	163.3	164.0	164.8	164.9	165.0
147.5°	155.7	156.2	156.8	157.4	158.1	158.6	159.3	160.0	160.8	160.9	160.9
150°	151.9	152.4	153.0	153.6	154.3	155.0	155.7	156.4	157.2	157.4	157.6
152.5°	148.4	149.0	149.6	150.3	151.0	151.9	152.7	153.4	154.2	154.3	154.6
155°	145.4	146.1	146.8	147.5	148.2	148.9	149.7	150.4	151.2	151.5	151.8
157.5°	143.7	144.3	145.0	145.6	146.2	146.9	147.7	148.3	148.9	149.2	149.4
160°	142.7	143.2	143.7	144.4	144.9	145.5	146.1	146.7	147.2	147.5	147.7
162.5°	141.7	142.3	142.8	143.4	143.9	144.5	145.1	145.7	146.2	146.4	146.7
165°	141.4	141.8	142.2	142.6	142.9	143.4	143.8	144.2	144.7	144.9	145.2
167.5°	142.4	142.6	143.0	143.3	143.7	143.9	144.4	144.6	145.0	145.3	145.4
170°	142.5	142.8	143.0	143.4	143.7	144.0	144.3	144.6	145.0	145.2	145.3
172.5°	143.1	143.3	143.5	143.7	143.8	144.1	144.3	144.5	144.7	145.0	145.1
175°	144.1	144.1	144.3	144.4	144.4	144.5	144.6	144.7	144.9	145.1	145.2
177.5°	145.3	145.3	145.3	145.4	145.6	145.7	145.8	145.9	146.0	146.1	146.3
180°	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7



TEST NUMBER: P1444642
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL12

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9
2.5°	9414.5	9414.4	9414.2	9413.7	9413.3	9413.5	9414.0	9415.1	9416.9	9419.7	9423.3
5°	9381.5	9383.4	9384.5	9384.7	9383.7	9383.1	9384.0	9386.5	9391.8	9400.5	9412.4
7.5°	9346.9	9349.2	9352.9	9355.6	9356.2	9355.4	9355.6	9359.6	9369.3	9386.4	9410.3
10°	9309.8	9302.8	9306.5	9313.3	9318.7	9319.7	9320.3	9325.1	9339.2	9365.0	9403.4
12.5°	9275.7	9253.4	9249.1	9255.2	9263.4	9266.1	9265.4	9267.4	9283.9	9317.9	9371.5
15°	9230.7	9188.8	9174.5	9176.1	9186.2	9189.9	9187.2	9183.1	9199.2	9240.8	9310.1
17.5°	9158.0	9090.4	9064.1	9063.0	9074.7	9077.9	9071.4	9058.8	9074.6	9126.6	9212.6
20°	9047.4	8947.7	8898.1	8890.2	8903.0	8899.3	8886.4	8867.3	8888.0	8951.2	9053.5
22.5°	8848.6	8722.2	8637.5	8610.2	8625.6	8615.4	8596.4	8572.0	8599.7	8671.4	8785.4
25°	8523.7	8377.7	8261.8	8196.7	8209.0	8190.5	8170.0	8140.5	8173.4	8255.8	8381.2
27.5°	8046.2	7877.6	7733.8	7626.2	7630.1	7606.1	7582.3	7544.2	7585.3	7682.8	7824.2
30°	7411.2	7216.1	7041.1	6894.7	6881.6	6858.3	6834.0	6784.0	6835.4	6952.1	7117.4
32.5°	6613.9	6397.1	6194.9	6009.9	5975.1	5952.3	5930.6	5873.0	5940.3	6076.4	6266.3
35°	5681.3	5450.5	5231.3	5020.0	4962.1	4939.3	4920.4	4865.2	4949.3	5097.4	5302.5
37.5°	4657.7	4421.9	4204.3	3987.6	3905.9	3874.9	3861.2	3825.0	3922.1	4068.5	4274.4
40°	3606.9	3387.7	3192.5	3001.2	2908.0	2860.6	2853.5	2846.9	2940.7	3067.7	3254.7
42.5°	2623.9	2447.0	2296.6	2150.2	2065.8	2001.2	2001.2	2020.8	2105.2	2200.4	2344.6
45°	1815.0	1696.3	1600.5	1502.7	1528.8	1400.1	1475.7	1436.9	1478.6	1540.0	1633.7
47.5°	1247.7	1182.8	1130.2	1075.6	1035.8	997.7	1001.1	1025.6	1064.9	1101.3	1150.1
50°	909.3	876.3	849.5	821.2	801.3	784.6	785.5	796.1	816.8	836.0	861.5
52.5°	712.6	694.3	679.8	664.1	653.7	645.4	645.8	651.0	662.1	673.1	687.7
55°	587.3	585.1	566.1	552.1	546.7	541.1	542.2	544.1	551.8	558.1	567.8
57.5°	492.2	483.6	477.9	470.5	467.1	463.2	464.1	464.9	470.0	474.3	481.2
60°	425.0	418.9	414.9	409.8	407.6	405.1	405.7	406.2	409.4	412.2	417.2
62.5°	380.3	374.9	371.4	367.5	366.0	364.3	364.7	364.8	366.9	368.9	372.7
65°	346.1	341.8	338.9	335.5	333.9	332.1	332.3	332.3	334.1	335.5	338.4
67.5°	309.8	306.6	304.8	302.1	301.0	299.2	299.2	298.6	299.8	300.3	302.3
70°	280.8	277.6	275.2	272.6	271.2	269.7	269.7	269.7	271.0	272.3	274.8
72.5°	262.9	259.8	257.6	255.4	254.1	252.7	252.5	252.4	253.3	254.0	255.7
75°	239.1	236.6	235.3	233.3	232.2	230.7	230.4	229.7	230.2	230.4	231.6
77.5°	210.2	207.9	206.9	204.8	203.9	202.2	202.0	201.2	201.6	201.4	202.3
80°	177.4	175.3	174.7	173.0	172.5	170.9	170.7	169.8	170.0	169.3	169.7
82.5°	140.7	138.8	138.3	136.7	136.7	135.3	135.2	133.8	133.8	132.5	130.6
85°	99.1	97.7	97.0	95.7	95.4	94.2	93.6	92.2	91.8	90.9	90.6
87.5°	52.3	51.4	50.6	50.0	48.8	46.7	46.5	45.1	45.3	44.2	44.3
90°	16.7	15.3	14.9	13.5	13.0	12.0	11.7	11.9	12.2	12.6	12.9
92.5°	15.9	15.2	14.7	14.1	13.5	12.9	12.3	12.9	13.5	14.1	14.7
95°	17.9	17.4	16.9	16.4	15.9	15.3	14.8	15.3	15.9	16.5	17.0
97.5°	20.1	19.7	19.3	19.0	18.7	18.4	18.0	18.4	18.7	19.0	19.3
100°	23.1	22.6	22.3	21.8	21.5	21.0	20.7	21.1	21.6	21.9	22.4
102.5°	40.0	37.5	35.1	32.6	30.1	27.7	25.2	27.7	30.1	32.7	35.2
105°	95.3	87.0	78.7	70.4	62.0	53.7	45.4	53.8	62.1	70.5	78.8
107.5°	191.8	177.2	162.6	148.0	133.3	118.7	104.1	118.8	133.4	148.1	162.7
110°	284.8	272.2	259.5	246.9	234.4	221.7	209.1	221.7	234.4	246.9	259.6



TEST NUMBER: P1444642
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL12

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	335.1	327.4	319.7	312.1	304.3	296.7	289.0	296.7	304.4	312.3	319.9
115°	345.6	341.6	337.6	333.6	329.4	325.4	321.3	325.4	329.5	333.7	337.8
117.5°	333.0	331.6	330.2	328.7	327.3	325.9	324.4	326.0	327.5	329.0	330.5
120°	307.1	307.3	307.4	307.5	307.7	307.8	307.9	307.9	307.9	307.9	307.9
122.5°	278.9	280.0	280.9	282.0	283.0	284.0	284.9	284.1	283.3	282.5	281.5
125°	252.8	254.1	255.0	256.1	257.1	258.2	259.1	258.3	257.5	256.6	255.7
127.5°	230.8	231.8	232.7	233.7	234.6	235.5	236.3	235.7	235.0	234.2	233.5
130°	212.5	213.3	214.0	214.8	215.5	216.1	216.6	216.3	215.8	215.4	214.8
132.5°	199.3	200.0	200.5	201.0	201.5	202.0	202.4	202.2	201.9	201.7	201.3
135°	189.1	189.5	189.9	190.3	190.5	190.8	191.0	191.1	191.0	191.0	190.8
137.5°	180.6	180.9	181.0	181.2	181.3	181.3	181.3	181.6	181.7	182.0	182.0
140°	175.0	175.3	175.5	175.6	175.8	175.8	175.8	176.1	176.3	176.4	176.4
142.5°	169.3	169.5	169.8	169.9	170.0	170.0	170.1	170.3	170.5	170.6	170.7
145°	165.1	165.3	165.4	165.6	165.5	165.5	165.4	165.8	165.9	166.2	166.4
147.5°	161.0	161.2	161.2	161.3	161.3	161.3	161.2	161.5	161.7	161.9	162.1
150°	157.9	158.1	158.3	158.4	158.6	158.7	158.7	158.9	159.1	159.1	159.2
152.5°	154.8	155.0	155.1	155.2	155.5	155.5	155.5	155.8	155.9	156.0	156.1
155°	151.9	152.2	152.4	152.6	152.7	152.9	153.1	153.2	153.3	153.4	153.5
157.5°	149.5	149.8	150.0	150.2	150.3	150.5	150.7	150.9	151.0	151.1	151.1
160°	147.8	148.1	148.2	148.5	148.6	148.8	148.9	149.1	149.3	149.4	149.4
162.5°	146.9	147.0	147.1	147.4	147.5	147.7	147.8	148.0	148.2	148.3	148.4
165°	145.3	145.6	145.9	146.1	146.3	146.6	146.8	146.9	146.9	147.0	147.0
167.5°	145.6	145.9	146.1	146.3	146.4	146.7	146.9	146.9	146.9	147.0	147.1
170°	145.5	145.7	145.9	146.1	146.3	146.4	146.6	146.6	146.7	146.8	146.8
172.5°	145.3	145.6	145.9	146.1	146.3	146.5	146.8	146.8	146.7	146.6	146.5
175°	145.4	145.6	145.8	146.0	146.1	146.3	146.6	146.4	146.5	146.3	146.3
177.5°	146.7	146.9	147.1	147.3	147.6	147.8	148.0	147.8	147.7	147.5	147.3
180°	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7



TEST NUMBER: P1444642
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL12

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9
2.5°	9428.3	9433.0	9440.2	9446.8	9456.6	9464.3	9476.0	9484.8	9498.0	9506.6	9520.9
5°	9429.1	9447.6	9471.8	9495.5	9524.0	9549.8	9581.9	9609.2	9641.5	9667.8	9700.9
7.5°	9442.4	9478.1	9520.7	9563.6	9612.2	9657.6	9708.9	9755.2	9805.8	9848.8	9895.6
10°	9452.3	9507.1	9569.9	9633.2	9699.8	9761.6	9824.0	9877.9	9928.4	9969.9	10006.5
12.5°	9438.9	9514.5	9595.2	9673.0	9747.0	9811.0	9864.7	9906.2	9934.9	9954.3	9958.8
15°	9393.6	9484.6	9572.3	9649.8	9711.2	9758.5	9783.0	9794.5	9782.2	9761.7	9716.8
17.5°	9308.9	9404.8	9483.2	9544.4	9576.8	9589.7	9569.4	9534.0	9465.1	9388.4	9277.7
20°	9153.7	9243.1	9299.9	9333.3	9324.6	9292.4	9215.8	9122.6	8984.8	8837.9	8644.1
22.5°	8881.4	8959.5	8989.8	8992.2	8939.3	8858.9	8720.6	8560.8	8343.4	8117.3	7839.4
25°	8472.6	8541.0	8545.8	8518.9	8422.0	8291.7	8088.7	7862.5	7567.1	7265.9	6917.6
27.5°	7918.2	7983.8	7967.8	7917.6	7783.0	7608.7	7348.8	7056.7	6692.4	6336.6	5951.3
30°	7221.3	7291.5	7272.6	7208.2	7048.2	6842.2	6536.3	6196.9	5792.5	5412.5	5022.0
32.5°	6387.3	6476.0	6463.0	6401.9	6234.9	6014.4	5682.4	5322.5	4908.8	4534.3	4154.4
35°	5439.3	5547.1	5552.7	5512.7	5357.6	5139.7	4812.0	4463.6	4067.2	3714.0	3363.1
37.5°	4418.1	4543.0	4568.6	4557.8	4429.3	4237.0	3938.4	3625.8	3274.8	2965.1	2665.0
40°	3391.1	3517.6	3561.4	3574.4	3479.6	3330.6	3085.6	2833.3	2547.1	2296.2	2057.8
42.5°	2454.6	2566.7	2609.1	2635.7	2576.6	2477.2	2298.4	2115.2	1905.5	1724.6	1551.1
45°	1704.7	1784.1	1816.3	1843.1	1810.9	1754.8	1641.9	1527.4	1388.9	1270.7	1158.7
47.5°	1191.9	1235.7	1257.0	1270.0	1257.5	1228.2	1166.8	1100.4	1022.2	953.2	886.7
50°	883.5	906.7	917.9	925.4	916.3	900.1	866.8	830.6	787.8	748.6	710.3
52.5°	700.1	713.4	720.0	724.1	718.9	709.0	689.7	668.2	642.4	618.3	605.5
55°	589.8	589.1	604.4	597.1	604.4	587.9	584.5	560.9	539.5	524.5	508.2
57.5°	486.4	493.3	496.3	499.6	497.4	494.4	486.2	477.7	466.5	457.1	447.0
60°	421.1	426.8	430.0	433.2	433.0	431.8	427.1	422.0	415.1	409.4	403.3
62.5°	376.1	381.0	384.2	387.3	387.6	387.1	383.5	380.0	375.2	371.6	367.4
65°	340.6	344.1	346.2	348.7	348.6	347.9	344.7	341.8	337.8	335.3	332.2
67.5°	303.5	306.1	307.8	310.2	310.7	310.7	309.0	307.6	305.7	304.9	304.0
70°	277.1	280.4	283.0	286.1	287.7	288.4	287.7	286.9	285.8	285.3	284.5
72.5°	257.2	259.9	262.0	264.7	266.2	267.3	266.7	266.3	265.3	265.2	264.6
75°	232.4	234.3	235.4	237.5	238.3	239.3	238.8	239.1	238.8	239.5	239.5
77.5°	202.6	204.0	204.5	206.0	206.1	207.4	207.6	209.1	210.1	212.4	213.5
80°	169.0	169.9	169.9	171.5	172.2	174.2	175.2	177.5	178.6	180.6	180.8
82.5°	131.4	130.4	131.4	130.7	132.6	134.9	135.3	137.2	137.7	139.0	138.0
85°	89.8	89.7	88.9	89.0	88.5	88.8	88.4	88.8	88.4	88.5	87.5
87.5°	43.0	43.4	42.5	42.8	41.9	42.3	41.5	42.2	41.2	41.3	39.9
90°	13.3	13.6	14.0	14.4	15.0	16.0	17.2	18.3	19.6	20.7	21.9
92.5°	15.2	15.9	16.5	17.0	17.6	19.4	21.2	23.1	25.0	26.6	28.4
95°	17.5	18.0	18.5	19.2	19.7	22.3	24.9	27.4	30.0	32.7	35.3
97.5°	19.8	20.1	20.4	20.8	21.1	24.1	27.3	30.3	33.3	36.4	39.5
100°	22.7	23.2	23.5	24.1	24.4	31.5	38.5	45.5	52.6	59.6	66.7
102.5°	37.6	40.1	42.6	45.1	47.6	64.7	81.8	98.8	115.8	133.0	150.1
105°	87.1	95.4	103.8	112.1	120.4	146.2	172.2	198.0	223.8	249.7	275.5
107.5°	177.3	192.0	206.7	221.4	236.0	260.3	284.5	308.9	333.2	357.5	381.8
110°	272.3	284.9	297.6	310.2	322.9	342.1	361.4	380.8	400.0	419.5	438.7



TEST NUMBER: P1444642
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL12

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	327.7	335.3	343.1	350.8	358.5	372.7	386.8	401.0	415.3	429.3	443.4
115°	341.9	345.9	350.1	354.1	358.2	366.9	375.4	384.0	392.5	401.0	409.7
117.5°	332.0	333.6	335.0	336.4	337.8	342.3	346.7	351.1	355.6	360.0	364.4
120°	307.9	307.8	307.7	307.5	307.4	308.8	310.3	311.7	313.1	314.5	315.8
122.5°	280.6	279.6	278.7	277.7	276.7	276.3	275.8	275.4	275.0	274.5	274.0
125°	254.8	253.8	252.7	251.8	250.8	249.6	248.4	247.1	246.0	244.8	243.5
127.5°	232.7	231.8	230.9	230.0	229.1	227.7	226.4	225.0	223.7	222.3	220.9
130°	214.3	213.7	213.1	212.3	211.7	210.5	209.3	208.2	206.9	205.9	204.6
132.5°	201.0	200.6	200.1	199.6	199.2	198.1	197.1	196.0	194.9	193.8	192.8
135°	190.6	190.3	190.2	189.9	189.5	188.7	187.9	187.1	186.4	185.6	184.8
137.5°	182.1	182.0	182.0	181.8	181.8	181.1	180.5	179.7	179.2	178.5	177.9
140°	176.4	176.4	176.4	176.4	176.3	175.6	174.9	174.1	173.5	172.8	172.1
142.5°	170.7	170.7	170.7	170.7	170.6	169.9	169.5	169.0	168.4	167.9	167.4
145°	166.4	166.5	166.6	166.6	166.6	166.0	165.4	164.7	164.1	163.4	162.9
147.5°	162.4	162.4	162.5	162.6	162.7	162.1	161.7	161.0	160.6	160.0	159.6
150°	159.2	159.2	159.2	159.2	159.2	158.7	158.2	157.6	157.1	156.5	156.0
152.5°	156.2	156.3	156.3	156.3	156.4	155.9	155.2	154.7	154.1	153.5	152.9
155°	153.5	153.5	153.5	153.5	153.5	153.0	152.5	151.9	151.4	150.9	150.3
157.5°	151.2	151.3	151.4	151.4	151.5	151.0	150.6	150.1	149.6	149.1	148.6
160°	149.5	149.6	149.7	149.8	149.8	149.4	149.1	148.6	148.3	147.8	147.4
162.5°	148.5	148.6	148.6	148.7	148.8	148.5	148.0	147.7	147.2	146.9	146.4
165°	147.0	147.0	147.1	147.0	147.0	146.8	146.6	146.3	146.1	145.8	145.5
167.5°	147.1	147.0	147.1	147.1	147.1	146.9	146.9	146.5	146.3	146.1	146.0
170°	146.9	146.8	146.8	146.9	146.8	146.6	146.4	146.2	146.1	145.8	145.6
172.5°	146.5	146.4	146.3	146.3	146.1	146.1	145.9	145.8	145.7	145.6	145.4
175°	146.1	146.1	146.0	146.0	145.8	145.8	145.8	145.7	145.6	145.6	145.5
177.5°	147.1	147.0	146.8	146.6	146.5	146.4	146.3	146.3	146.3	146.2	146.1
180°	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7



TEST NUMBER: P1444642
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL12

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9
2.5°	9529.8	9470.9	9463.2	9467.3	9477.1	9480.7	9491.3	9494.3	9505.0	9507.6	9517.8
5°	9726.4	9648.6	9652.5	9671.2	9699.5	9716.4	9744.3	9758.8	9785.3	9797.5	9821.4
7.5°	9933.8	9872.7	9891.7	9923.3	9962.0	9988.8	10022.2	10044.0	10072.8	10090.7	10113.8
10°	10035.6	10018.8	10039.8	10064.6	10086.7	10104.0	10118.2	10129.5	10137.0	10143.9	10147.0
12.5°	9958.1	9984.0	9987.5	9985.1	9970.5	9959.4	9934.2	9917.2	9886.9	9868.5	9832.5
15°	9670.9	9727.9	9696.3	9648.5	9578.7	9520.4	9438.1	9376.9	9291.2	9233.1	9147.1
17.5°	9166.9	9238.7	9156.5	9046.0	8905.5	8785.3	8635.5	8516.7	8367.8	8259.5	8120.6
20°	8457.3	8524.5	8377.9	8194.7	7977.3	7794.3	7578.5	7406.3	7205.8	7056.7	6876.7
22.5°	7573.8	7621.6	7415.1	7168.2	6891.2	6662.6	6404.6	6198.2	5969.3	5798.8	5606.9
25°	6596.4	6609.3	6361.6	6077.1	5768.3	5511.4	5236.0	5019.0	4785.6	4612.7	4424.4
27.5°	5609.8	5590.9	5323.1	5021.6	4696.7	4429.8	4161.1	3957.7	3753.3	3597.6	3435.3
30°	4678.7	4632.9	4354.8	4044.8	3729.6	3490.2	3267.2	3103.9	2941.3	2817.8	2687.5
32.5°	3824.9	3760.2	3489.5	3199.1	2933.5	2748.7	2583.3	2459.8	2328.5	2224.1	2114.9
35°	3068.5	2999.6	2759.9	2513.6	2312.6	2176.4	2046.4	1945.1	1833.6	1745.6	1650.7
37.5°	2419.4	2362.9	2162.2	1968.3	1816.3	1710.8	1604.3	1521.4	1429.3	1390.5	1289.1
40°	1867.8	1828.4	1671.3	1528.5	1414.2	1364.7	1256.6	1179.2	1110.4	1053.6	998.5
42.5°	1456.9	1442.9	1290.1	1178.7	1098.3	1035.9	975.6	926.7	879.1	840.0	803.0
45°	1069.2	1058.1	990.2	926.0	871.2	827.5	786.8	753.2	722.0	696.2	672.8
47.5°	832.6	829.0	789.9	750.1	715.6	687.5	661.0	638.8	618.1	600.9	595.3
50°	677.2	676.7	653.7	629.1	604.5	588.3	571.5	558.3	545.0	534.7	523.8
52.5°	575.3	572.8	557.4	542.2	527.6	516.9	506.2	497.7	489.0	482.6	475.8
55°	495.3	498.0	489.0	479.9	470.8	464.2	456.6	451.0	445.0	441.0	436.9
57.5°	439.7	443.2	438.5	433.4	427.8	423.5	418.2	414.4	410.4	407.8	405.5
60°	399.3	403.1	401.2	398.6	395.1	392.5	389.2	387.1	384.5	383.1	381.8
62.5°	365.0	369.7	369.0	367.9	365.6	364.2	362.3	361.4	359.7	359.0	358.4
65°	330.8	336.0	336.0	335.3	334.2	333.7	332.6	332.4	331.5	331.9	331.8
67.5°	303.8	308.4	309.5	310.2	310.2	310.5	310.4	310.8	310.8	311.5	311.9
70°	284.4	287.7	288.4	289.2	289.4	290.0	290.0	290.4	290.2	290.9	291.0
72.5°	264.8	269.0	269.7	270.4	270.4	271.0	270.6	270.5	269.7	269.6	268.9
75°	240.3	245.8	246.9	247.7	247.8	248.4	247.6	247.1	245.8	245.2	244.2
77.5°	214.8	220.5	221.3	221.5	221.1	221.2	219.7	218.6	216.8	216.1	215.1
80°	181.6	189.9	190.5	190.0	188.7	188.5	187.1	186.1	183.9	183.1	182.3
82.5°	138.2	147.9	149.3	149.9	148.8	149.1	147.7	147.0	145.1	144.7	143.5
85°	87.2	97.0	98.6	98.3	97.3	97.0	96.2	96.5	96.3	96.9	97.1
87.5°	40.1	49.5	51.8	51.1	51.0	50.3	48.7	49.4	50.3	50.8	50.9
90°	23.1	27.1	28.2	27.4	25.8	24.9	23.3	22.6	21.1	20.4	19.0
92.5°	30.3	32.1	33.9	32.3	30.7	29.1	27.4	25.8	24.2	22.6	21.0
95°	37.9	40.4	43.0	40.8	38.6	36.4	34.3	32.3	30.1	28.0	25.8
97.5°	42.5	45.5	48.6	46.4	44.3	42.1	39.9	37.9	35.7	33.6	31.5
100°	73.7	80.6	87.6	81.5	75.5	69.4	63.4	57.3	51.2	45.2	39.1
102.5°	167.0	184.0	201.0	185.7	170.5	155.1	139.7	124.5	109.2	93.7	78.5
105°	301.3	327.0	352.8	329.4	306.0	282.6	259.2	235.9	212.5	189.1	165.8
107.5°	406.1	430.2	454.3	433.1	412.1	390.9	369.7	348.6	327.5	306.3	285.3
110°	458.0	476.9	496.1	481.8	467.8	453.5	439.3	425.1	410.9	396.8	382.7



TEST NUMBER: P1444642
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL12

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	457.6	471.3	485.3	476.9	468.7	460.5	452.1	443.8	435.5	427.3	419.0
115°	418.1	426.1	434.5	431.2	427.9	424.6	421.3	418.1	414.8	411.6	408.4
117.5°	368.7	372.5	376.8	376.1	375.5	374.9	374.3	373.7	373.1	372.6	372.1
120°	317.2	318.0	319.1	319.4	319.9	320.3	320.8	321.2	321.7	322.1	322.6
122.5°	273.6	272.4	271.7	272.1	272.5	272.8	273.3	273.6	274.1	274.5	275.0
125°	242.3	240.3	238.8	238.3	237.8	237.1	236.6	236.0	235.4	234.9	234.4
127.5°	219.6	217.4	215.7	214.5	213.2	211.7	210.5	209.2	207.9	206.5	205.2
130°	203.4	201.3	200.0	198.3	196.7	194.9	193.3	191.7	190.0	188.4	186.7
132.5°	191.8	189.7	188.5	186.9	185.4	183.8	182.1	180.5	178.9	177.2	175.7
135°	184.0	182.2	181.2	179.7	178.4	176.9	175.4	174.0	172.5	171.0	169.7
137.5°	177.2	175.5	174.6	173.4	172.3	171.1	170.0	168.9	167.7	166.4	165.4
140°	171.4	169.5	168.6	168.1	167.4	166.7	166.0	165.4	164.7	164.1	163.3
142.5°	166.8	165.1	164.3	164.0	163.6	163.1	162.8	162.4	161.9	161.4	161.0
145°	162.2	160.2	159.4	159.2	159.3	159.2	159.2	159.2	159.2	159.1	159.1
147.5°	159.0	157.0	156.1	156.2	156.3	156.4	156.5	156.5	156.6	156.7	156.8
150°	155.3	153.1	152.1	152.3	152.5	152.7	152.9	153.1	153.3	153.5	153.6
152.5°	152.3	149.6	148.5	148.6	148.9	149.1	149.4	149.5	149.8	150.1	150.3
155°	149.7	146.8	145.6	145.7	145.7	145.9	145.9	146.1	146.1	146.3	146.5
157.5°	148.0	145.1	144.0	143.9	143.9	143.9	144.0	144.0	144.1	144.2	144.3
160°	147.0	144.0	142.9	142.8	142.8	142.8	142.8	142.8	142.9	143.0	143.0
162.5°	146.0	143.0	142.0	142.0	141.9	141.9	142.0	141.8	141.9	142.0	142.0
165°	145.2	142.7	141.8	141.7	141.8	141.8	141.9	142.0	142.0	142.1	142.3
167.5°	145.7	143.5	142.8	142.7	142.5	142.4	142.4	142.3	142.3	142.2	142.2
170°	145.3	143.6	142.9	142.9	143.0	142.9	142.9	143.0	143.0	143.0	143.1
172.5°	145.3	143.9	143.6	143.6	143.7	143.8	144.0	144.0	144.2	144.3	144.5
175°	145.4	144.7	144.5	144.5	144.5	144.6	144.7	144.7	144.8	144.9	145.0
177.5°	146.1	145.9	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.8	145.8
180°	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7



TEST NUMBER: P1444642
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9
2.5°	9519.8	9530.8	9530.0	9540.4	9539.8	9549.6	9547.7	9556.1	9554.2	9561.4	9557.1
5°	9832.0	9853.1	9860.1	9879.2	9883.1	9900.1	9900.5	9914.0	9912.4	9923.0	9917.4
7.5°	10127.4	10147.1	10156.5	10171.3	10178.7	10190.9	10195.7	10205.8	10208.2	10214.1	10214.0
10°	10152.3	10152.3	10156.8	10154.8	10159.0	10156.6	10161.7	10159.8	10167.3	10165.3	10170.9
12.5°	9816.9	9783.6	9771.4	9741.6	9735.0	9709.3	9711.2	9694.7	9702.6	9692.6	9709.8
15°	9095.9	9018.8	8980.6	8913.4	8892.4	8839.3	8835.0	8799.7	8809.3	8790.8	8817.7
17.5°	8030.7	7909.0	7842.4	7744.3	7705.4	7630.3	7615.2	7569.9	7576.9	7554.1	7586.6
20°	6760.5	6613.6	6529.5	6416.0	6365.5	6275.9	6252.2	6201.4	6207.9	6185.1	6221.9
22.5°	5475.9	5322.1	5227.1	5108.2	5043.7	4959.5	4934.2	4883.3	4886.1	4864.8	4900.2
25°	4295.4	4147.9	4055.7	3947.7	3891.7	3814.5	3788.0	3742.2	3744.7	3727.2	3758.9
27.5°	3322.8	3201.8	3124.6	3034.2	2983.9	2920.4	2894.6	2856.1	2855.9	2843.1	2869.6
30°	2596.6	2495.6	2426.3	2347.5	2300.3	2243.1	2218.0	2183.6	2182.1	2173.0	2194.1
32.5°	2033.0	1943.2	1880.0	1810.7	1768.4	1719.2	1695.6	1667.9	1665.4	1657.1	1674.4
35°	1580.4	1504.8	1450.5	1392.0	1396.4	1324.0	1336.0	1279.7	1264.4	1261.1	1274.0
37.5°	1221.5	1162.9	1118.7	1075.1	1045.4	1014.8	998.3	983.6	981.9	980.4	989.4
40°	956.1	915.1	883.0	853.0	832.6	814.0	803.6	795.5	793.6	792.5	797.9
42.5°	773.8	746.2	725.5	707.1	694.7	684.6	679.0	674.4	672.9	673.0	676.2
45°	653.7	637.0	623.6	612.3	604.4	607.8	597.6	602.9	595.9	603.2	598.4
47.5°	575.8	561.4	553.2	545.1	540.4	536.5	536.6	536.7	538.2	538.4	540.0
50°	515.5	507.2	501.5	496.4	493.9	491.8	492.5	493.1	494.6	494.7	495.8
52.5°	471.0	465.5	462.1	458.8	457.8	456.6	457.1	456.9	457.5	457.2	458.1
55°	434.7	432.1	431.0	429.9	430.1	429.7	429.9	428.8	428.1	427.2	428.0
57.5°	404.9	404.6	405.3	405.8	407.2	407.7	408.0	406.6	405.4	404.2	404.9
60°	382.0	382.6	384.3	385.9	387.8	388.7	389.2	388.5	387.6	386.7	387.2
62.5°	359.4	360.3	362.4	364.1	366.4	367.7	369.0	369.1	369.5	369.1	369.5
65°	333.1	334.2	336.1	337.6	339.8	340.9	342.2	342.5	343.3	343.1	343.7
67.5°	313.1	314.1	315.8	317.1	319.0	320.2	321.4	321.4	321.8	321.7	322.3
70°	291.9	292.4	293.9	295.0	296.9	298.1	299.4	299.9	300.8	300.8	301.6
72.5°	269.2	269.0	269.8	270.4	271.8	272.8	274.6	275.5	277.0	277.3	277.9
75°	244.5	244.3	245.3	245.8	247.0	247.9	250.0	251.2	253.5	254.4	254.2
77.5°	215.9	216.4	218.3	219.4	221.1	222.3	224.8	226.9	231.1	232.9	231.1
80°	183.9	184.4	186.4	187.5	189.6	191.1	194.0	196.4	200.1	201.0	199.9
82.5°	144.5	144.7	146.5	147.3	150.2	152.2	155.9	157.8	160.1	159.8	159.5
85°	98.6	99.9	102.2	104.4	108.0	111.3	114.8	117.6	115.7	118.8	115.2
87.5°	52.7	52.6	55.6	55.2	60.1	62.9	65.9	67.3	69.0	68.6	68.6
90°	18.4	17.4	17.2	16.2	16.3	15.1	15.4	14.5	15.0	13.7	15.5
92.5°	19.4	18.5	17.7	16.8	16.0	15.1	14.3	13.4	12.6	11.7	12.6
95°	23.7	22.9	22.1	21.3	20.5	19.8	19.0	18.2	17.4	16.6	17.6
97.5°	29.3	28.9	28.4	27.9	27.4	27.0	26.6	26.0	25.6	25.1	25.8
100°	33.1	33.1	33.1	33.1	33.0	33.0	33.0	33.0	33.0	33.0	33.5
102.5°	63.2	61.7	60.2	58.5	57.0	55.4	53.9	52.4	50.9	49.4	51.6
105°	142.4	136.4	130.5	124.4	118.3	112.4	106.4	100.3	94.4	88.4	94.5
107.5°	264.1	253.2	242.2	231.3	220.4	209.4	198.5	187.7	176.7	165.8	175.6
110°	368.5	356.9	345.3	333.7	322.1	310.6	299.0	287.4	275.8	264.2	273.5



TEST NUMBER: P1444642
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	410.7	403.2	395.8	388.2	380.7	373.3	365.8	358.3	350.9	343.4	348.0
115°	405.1	401.5	398.0	394.4	390.9	387.3	383.7	380.2	376.7	373.1	373.4
117.5°	371.5	370.3	369.1	367.9	366.7	365.5	364.4	363.2	362.1	361.0	358.5
120°	323.1	323.4	323.7	324.2	324.6	325.0	325.3	325.8	326.2	326.7	323.3
122.5°	275.4	276.2	277.1	278.0	278.8	279.8	280.7	281.8	282.8	283.7	280.4
125°	233.8	234.6	235.4	236.4	237.2	238.1	239.1	240.2	241.1	242.1	239.3
127.5°	204.0	204.2	204.4	204.8	205.1	205.5	205.9	206.3	206.7	207.3	205.5
130°	185.1	184.6	184.4	184.0	183.7	183.5	183.3	183.0	183.0	182.8	182.0
132.5°	174.1	173.3	172.6	171.8	171.1	170.5	169.9	169.3	168.7	168.2	168.0
135°	168.2	167.1	166.0	165.0	164.0	163.3	162.3	161.5	160.7	159.9	160.0
137.5°	164.1	163.2	162.1	161.1	160.0	159.2	158.3	157.4	156.6	155.9	156.1
140°	162.7	161.7	160.6	159.6	158.7	157.7	156.8	156.0	155.1	154.5	154.7
142.5°	160.6	159.7	158.7	157.8	156.9	156.1	155.3	154.5	153.8	153.2	153.4
145°	159.0	158.3	157.6	156.8	156.2	155.8	155.1	154.6	154.1	153.6	153.7
147.5°	156.8	156.3	155.7	155.2	154.7	154.3	153.8	153.5	153.0	152.7	152.8
150°	153.8	153.5	153.1	152.8	152.5	152.2	151.9	151.7	151.4	151.2	151.1
152.5°	150.5	150.2	149.9	149.6	149.4	149.1	148.8	148.6	148.5	148.2	148.2
155°	146.7	146.5	146.4	146.2	146.1	146.1	146.0	146.0	145.9	145.8	145.8
157.5°	144.4	144.3	144.3	144.4	144.3	144.4	144.3	144.4	144.4	144.5	144.5
160°	143.2	143.2	143.0	143.1	142.9	142.9	142.8	142.9	142.8	142.8	143.0
162.5°	142.0	142.2	142.2	142.3	142.4	142.5	142.6	142.7	142.8	142.9	143.0
165°	142.4	142.3	142.3	142.3	142.3	142.3	142.3	142.4	142.4	142.5	142.7
167.5°	142.2	142.3	142.4	142.4	142.5	142.7	142.8	142.9	143.0	143.3	143.5
170°	143.1	143.1	143.1	143.1	143.1	143.2	143.2	143.2	143.3	143.4	143.5
172.5°	144.5	144.5	144.5	144.5	144.5	144.5	144.5	144.5	144.5	144.6	144.7
175°	145.0	145.2	145.3	145.3	145.3	145.4	145.5	145.5	145.6	145.7	145.7
177.5°	145.8	145.8	145.8	145.8	145.8	145.9	145.9	145.9	145.9	145.8	145.9
180°	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7



TEST NUMBER: P1444642
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL12

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9
2.5°	9564.2	9559.3	9564.2	9559.3	9564.2	9558.4	9562.4	9556.0	9557.6	9550.9	9552.6
5°	9925.8	9918.2	9922.2	9912.3	9913.4	9900.1	9899.9	9884.5	9880.4	9862.9	9855.2
7.5°	10218.2	10215.8	10217.2	10210.8	10210.0	10201.0	10196.7	10183.9	10175.9	10159.8	10148.7
10°	10171.9	10179.4	10181.4	10188.9	10190.5	10198.0	10199.6	10207.1	10208.7	10214.2	10214.3
12.5°	9709.0	9734.3	9740.3	9771.6	9784.8	9820.5	9839.7	9879.2	9902.5	9941.9	9966.1
15°	8817.0	8860.9	8878.3	8939.4	8973.1	9044.4	9089.2	9171.1	9228.8	9315.7	9377.7
17.5°	7589.5	7650.7	7678.3	7761.1	7815.1	7920.4	7996.1	8121.0	8216.5	8355.1	8465.1
20°	6228.3	6296.3	6333.8	6428.1	6491.9	6614.8	6709.5	6862.8	6990.7	7166.5	7316.8
22.5°	4911.3	4976.0	5017.6	5113.7	5185.5	5313.7	5419.6	5581.4	5724.7	5922.7	6102.9
25°	3770.9	3830.3	3867.9	3954.8	4022.2	4140.1	4241.0	4396.7	4537.0	4735.6	4920.3
27.5°	2882.8	2932.6	2968.8	3042.9	3102.3	3202.2	3289.0	3417.7	3538.5	3710.3	3874.9
30°	2207.1	2251.1	2286.4	2350.9	2406.1	2492.7	2569.0	2677.1	2777.1	2913.8	3044.7
32.5°	1686.6	1724.4	1755.9	1812.4	1862.4	1940.4	2009.2	2103.9	2189.7	2305.6	2413.4
35°	1285.9	1360.5	1355.2	1433.2	1445.7	1501.7	1563.1	1645.8	1721.9	1820.5	1912.1
37.5°	998.1	1019.1	1041.6	1076.0	1112.2	1163.1	1215.0	1316.1	1353.3	1427.8	1503.6
40°	804.9	819.0	833.9	857.2	882.5	918.4	956.1	1004.4	1053.9	1114.3	1176.0
42.5°	680.5	688.5	697.9	711.6	727.3	750.0	775.2	807.9	842.4	884.9	928.3
45°	607.9	604.1	607.0	614.3	623.7	637.5	653.5	673.7	696.2	723.7	753.0
47.5°	540.4	541.9	542.7	546.7	551.8	561.1	570.7	584.5	611.1	619.1	635.1
50°	495.7	496.5	496.2	498.2	500.8	506.8	513.0	522.4	531.7	544.0	555.8
52.5°	458.3	459.3	459.2	460.5	461.9	465.7	469.6	476.2	482.4	490.2	496.9
55°	428.7	430.2	430.8	431.8	432.6	434.5	436.1	439.2	441.8	446.3	450.4
57.5°	406.0	408.0	408.9	409.3	408.5	408.4	407.9	408.5	409.0	411.4	413.8
60°	388.1	389.7	390.0	389.7	388.3	387.2	385.5	385.0	384.7	385.9	387.1
62.5°	369.4	370.0	369.6	369.1	367.4	366.4	364.7	364.0	363.4	364.3	364.9
65°	343.5	344.0	343.5	343.2	341.8	340.9	339.4	338.9	338.1	338.3	338.2
67.5°	322.4	322.9	322.6	322.1	321.2	320.6	319.6	318.8	317.9	317.4	316.7
70°	301.5	301.8	301.3	300.8	299.7	299.2	298.3	298.0	297.2	297.0	296.2
72.5°	277.3	277.4	276.5	276.3	275.5	275.4	275.0	275.4	275.4	275.7	275.5
75°	252.7	252.4	251.3	251.1	250.4	250.8	250.3	250.9	250.9	251.8	252.0
77.5°	228.0	226.7	224.7	223.8	222.4	222.3	221.4	222.0	221.8	222.9	223.3
80°	196.8	195.2	192.6	191.4	189.8	189.5	188.8	189.5	189.2	190.4	191.3
82.5°	157.1	155.7	153.1	152.1	150.2	150.4	149.6	150.4	150.3	152.1	153.2
85°	116.2	115.3	112.6	110.1	107.5	105.9	104.4	104.1	103.6	104.4	105.0
87.5°	67.1	66.3	64.2	62.7	58.0	58.2	56.3	56.2	55.8	55.3	56.3
90°	15.5	17.0	17.2	18.6	18.9	20.5	20.9	22.4	22.6	24.3	24.7
92.5°	13.4	14.3	15.1	16.0	16.8	17.7	18.5	19.4	21.3	23.1	25.0
95°	18.5	19.6	20.6	21.6	22.5	23.6	24.6	25.6	28.3	31.0	33.8
97.5°	26.5	27.1	27.8	28.4	29.1	29.8	30.5	31.1	34.0	37.0	39.9
100°	34.0	34.6	35.1	35.6	36.2	36.7	37.2	37.8	43.5	49.2	54.8
102.5°	53.9	56.1	58.4	60.7	63.0	65.2	67.5	69.8	82.8	95.7	108.7
105°	100.8	106.9	113.3	119.4	125.7	131.8	138.0	144.2	164.9	185.7	206.5
107.5°	185.4	195.2	205.0	214.8	224.6	234.4	244.1	254.0	274.2	294.5	314.7
110°	282.8	292.1	301.5	310.8	320.2	329.5	338.8	348.2	360.4	372.5	384.7



TEST NUMBER: P1444642
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL12

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	352.5	357.0	361.5	366.2	370.7	375.3	379.8	384.4	390.5	396.6	402.7
115°	373.7	374.0	374.3	374.5	374.8	375.2	375.5	375.9	377.8	379.7	381.8
117.5°	355.9	353.5	350.9	348.5	346.0	343.6	341.1	338.8	338.4	338.0	337.7
120°	320.1	316.7	313.4	309.9	306.7	303.4	300.2	297.0	295.3	293.6	292.0
122.5°	277.1	273.7	270.5	267.1	263.8	260.6	257.5	254.2	253.1	251.9	250.9
125°	236.4	233.7	231.0	228.1	225.5	222.9	220.3	217.7	217.6	217.5	217.5
127.5°	203.8	202.1	200.5	198.8	197.2	195.7	194.2	192.7	193.4	194.1	194.8
130°	181.3	180.5	179.8	179.1	178.6	178.0	177.4	176.8	178.0	179.3	180.6
132.5°	167.9	167.8	167.7	167.6	167.6	167.7	167.7	167.8	169.3	170.7	172.2
135°	160.1	160.4	160.8	160.9	161.4	161.7	162.0	162.4	163.9	165.2	166.6
137.5°	156.6	156.8	157.3	157.7	158.2	158.6	159.2	159.7	160.9	161.9	163.1
140°	155.0	155.2	155.6	155.9	156.3	156.8	157.2	157.6	158.5	159.3	160.2
142.5°	153.6	153.8	154.3	154.5	155.0	155.2	155.7	156.0	156.8	157.3	158.1
145°	153.9	154.1	154.3	154.5	154.8	155.1	155.3	155.7	156.1	156.5	156.9
147.5°	152.9	153.0	153.2	153.4	153.6	153.8	154.0	154.2	154.4	154.7	155.0
150°	151.2	151.3	151.4	151.4	151.5	151.7	151.9	151.9	152.1	152.4	152.6
152.5°	148.3	148.4	148.4	148.4	148.5	148.6	148.6	148.7	149.0	149.3	149.4
155°	146.0	146.1	146.2	146.3	146.5	146.6	146.8	146.9	147.0	147.1	147.3
157.5°	144.6	144.7	144.9	145.0	145.2	145.3	145.3	145.5	145.7	145.8	145.9
160°	143.2	143.4	143.6	143.8	144.0	144.1	144.4	144.5	144.7	144.8	145.0
162.5°	143.2	143.3	143.5	143.6	143.7	143.8	143.9	144.1	144.4	144.5	144.6
165°	142.8	143.0	143.3	143.4	143.7	143.8	144.0	144.3	144.4	144.5	144.6
167.5°	143.6	143.7	144.0	144.1	144.4	144.5	144.7	144.9	145.0	145.1	145.3
170°	143.7	143.8	144.0	144.2	144.4	144.5	144.7	144.8	145.1	145.3	145.3
172.5°	144.9	144.9	145.1	145.2	145.3	145.4	145.6	145.8	146.0	146.1	146.1
175°	145.7	145.7	145.7	145.8	145.8	145.8	145.8	145.9	146.0	146.0	146.0
177.5°	146.0	146.0	146.1	146.1	146.2	146.2	146.3	146.4	146.4	146.4	146.4
180°	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7



TEST NUMBER: P1444642
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL12

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9
2.5°	9545.9	9546.3	9538.7	9538.2	9531.0	9530.1	9523.1	9520.9	9515.2	9513.2	9507.3
5°	9835.5	9826.1	9804.5	9791.7	9770.3	9756.1	9732.9	9717.8	9695.4	9678.6	9656.0
7.5°	10128.4	10113.9	10089.6	10069.8	10040.1	10016.4	9981.7	9953.1	9915.4	9882.8	9843.3
10°	10214.3	10212.1	10205.9	10196.9	10183.0	10167.5	10143.8	10119.2	10086.2	10050.3	10006.3
12.5°	10002.9	10025.8	10057.0	10075.4	10097.8	10107.7	10116.8	10114.5	10108.5	10090.4	10065.0
15°	9467.6	9531.6	9616.6	9682.4	9758.2	9813.1	9873.9	9911.8	9949.6	9967.0	9977.7
17.5°	8615.7	8737.2	8889.5	9015.7	9161.3	9278.3	9406.4	9502.9	9602.2	9673.3	9737.6
20°	7521.7	7697.6	7913.0	8103.2	8324.5	8516.7	8727.5	8900.4	9078.7	9218.2	9350.3
22.5°	6334.9	6543.9	6804.3	7045.4	7330.7	7587.0	7876.2	8127.9	8390.7	8610.3	8822.5
25°	5168.0	5397.1	5681.8	5950.9	6274.0	6572.2	6915.2	7228.8	7568.5	7863.4	8154.7
27.5°	4102.4	4327.4	4618.1	4904.5	5246.0	5563.7	5931.2	6276.9	6663.7	7020.3	7385.1
30°	3226.5	3417.3	3678.0	3955.5	4292.4	4615.7	4987.2	5342.6	5744.9	6134.3	6545.3
32.5°	2556.3	2701.7	2906.6	3141.2	3452.0	3759.8	4113.5	4456.7	4852.9	5246.2	5673.7
35°	2030.2	2143.5	2299.8	2482.9	2746.1	3011.4	3324.3	3636.3	4005.9	4379.2	4794.7
37.5°	1600.9	1692.9	1815.3	1952.8	2164.0	2381.7	2638.2	2896.9	3218.1	3549.0	3925.5
40°	1250.1	1324.6	1419.9	1522.4	1681.8	1849.6	2048.0	2248.6	2506.7	2777.1	3088.7
42.5°	982.0	1037.0	1104.3	1179.2	1328.0	1417.1	1551.7	1696.7	1886.5	2082.8	2317.1
45°	788.7	826.2	872.9	923.1	992.2	1067.7	1159.8	1256.5	1436.7	1525.1	1667.6
47.5°	658.6	683.8	713.5	745.2	785.9	829.8	884.5	940.3	1012.6	1087.5	1175.2
50°	571.0	596.6	606.9	623.3	646.8	671.9	702.8	733.5	772.3	811.6	856.7
52.5°	506.1	514.4	525.5	535.9	550.5	579.1	588.3	604.4	626.1	647.4	671.1
55°	456.4	461.8	469.0	475.3	484.2	492.6	504.7	515.5	530.0	542.8	558.6
57.5°	417.8	421.2	426.2	430.3	436.0	440.8	448.0	453.8	462.1	469.4	478.9
60°	389.7	392.0	395.3	398.1	401.6	404.1	407.7	410.5	414.8	418.5	423.8
62.5°	366.7	368.0	370.2	371.7	374.0	375.3	377.1	378.4	380.8	382.7	385.6
65°	339.3	339.5	340.9	341.7	343.4	344.2	345.7	346.2	348.3	349.6	352.2
67.5°	316.7	316.1	316.1	315.6	315.8	315.3	315.5	314.8	315.6	316.1	318.0
70°	296.1	295.2	295.0	294.0	293.7	292.7	292.5	291.6	291.5	291.2	291.9
72.5°	276.1	275.8	275.9	275.2	275.1	274.5	274.5	274.1	274.6	274.7	275.6
75°	253.0	253.0	253.5	252.9	253.1	252.5	252.7	252.2	252.5	252.4	253.3
77.5°	224.9	225.5	226.8	226.5	226.9	226.3	226.5	225.8	226.1	225.5	225.9
80°	193.3	194.7	196.3	196.3	197.0	196.5	197.1	196.5	196.8	195.9	195.7
82.5°	155.9	157.0	158.8	158.8	160.4	160.7	162.4	162.3	163.3	162.7	162.2
85°	106.5	107.3	108.9	109.7	111.3	112.3	113.9	114.6	113.4	115.6	113.9
87.5°	55.6	57.7	56.5	59.3	58.6	61.3	60.8	63.3	62.7	65.0	64.7
90°	26.7	27.4	29.4	30.0	32.5	33.5	34.1	33.1	33.6	32.5	33.2
92.5°	26.8	28.8	30.7	32.5	34.4	36.3	34.6	32.8	31.1	29.3	27.6
95°	36.4	39.2	41.9	44.6	47.3	50.1	47.1	44.2	41.3	38.3	35.5
97.5°	42.9	45.7	48.7	51.6	54.5	57.5	54.0	50.5	47.1	43.7	40.3
100°	60.5	66.1	71.8	77.4	83.2	88.8	82.4	75.9	69.6	63.1	56.7
102.5°	121.7	134.7	147.7	160.8	173.7	186.7	173.0	159.3	145.7	132.0	118.3
105°	227.2	248.1	268.9	289.6	310.4	331.2	309.1	286.9	264.7	242.6	220.4
107.5°	335.0	355.2	375.6	395.8	416.1	436.4	413.9	391.4	368.9	346.5	324.0
110°	396.9	409.0	421.2	433.5	445.7	458.0	441.6	425.2	408.8	392.3	375.8



TEST NUMBER: P1444642
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL12

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	408.8	414.9	421.0	427.2	433.3	439.4	427.7	416.0	404.1	392.5	380.8
115°	383.7	385.6	387.6	389.6	391.6	393.5	385.6	377.7	369.7	361.9	353.9
117.5°	337.3	337.1	336.8	336.5	336.0	335.8	331.3	327.0	322.4	318.0	313.5
120°	290.4	288.8	287.2	285.6	283.9	282.3	280.4	278.6	276.7	274.8	272.8
122.5°	249.6	248.6	247.5	246.3	245.2	244.0	243.3	242.6	241.9	241.1	240.3
125°	217.5	217.5	217.4	217.3	217.3	217.3	216.9	216.5	216.2	215.7	215.3
127.5°	195.5	196.2	196.9	197.7	198.4	199.0	198.8	198.8	198.7	198.6	198.5
130°	181.9	183.1	184.4	185.6	186.8	188.0	187.9	187.7	187.3	187.1	187.0
132.5°	173.7	175.0	176.4	178.0	179.3	180.7	180.5	180.2	179.8	179.7	179.4
135°	168.0	169.4	170.7	172.2	173.4	174.8	174.4	174.0	173.7	173.4	173.1
137.5°	164.1	165.2	166.2	167.3	168.3	169.4	169.0	168.7	168.3	168.0	167.7
140°	161.1	161.9	162.7	163.7	164.4	165.3	164.9	164.4	164.0	163.5	163.1
142.5°	158.6	159.3	159.9	160.6	161.1	161.8	161.2	160.6	160.0	159.4	158.8
145°	157.4	157.8	158.2	158.6	159.0	159.4	158.6	158.0	157.3	156.6	155.9
147.5°	155.2	155.5	155.7	155.9	156.0	156.4	155.7	155.0	154.3	153.6	152.9
150°	152.7	153.1	153.3	153.4	153.6	153.8	153.1	152.4	151.7	151.0	150.3
152.5°	149.6	149.9	150.1	150.2	150.3	150.5	149.9	149.3	148.6	147.8	147.2
155°	147.4	147.6	147.7	147.8	147.8	147.9	147.3	146.9	146.3	145.7	145.2
157.5°	146.0	146.1	146.2	146.3	146.4	146.5	146.1	145.6	145.2	144.8	144.3
160°	145.1	145.2	145.3	145.3	145.4	145.5	145.1	144.8	144.5	144.1	143.7
162.5°	144.8	145.1	145.3	145.3	145.5	145.6	145.3	144.9	144.4	143.9	143.5
165°	144.7	144.8	144.9	145.0	145.1	145.2	144.8	144.5	144.3	144.0	143.7
167.5°	145.3	145.4	145.5	145.6	145.6	145.7	145.4	145.3	144.9	144.5	144.3
170°	145.5	145.7	145.9	145.9	146.1	146.1	146.0	145.7	145.4	145.3	145.0
172.5°	146.3	146.5	146.6	146.7	146.8	146.9	146.7	146.4	146.1	145.9	145.6
175°	146.0	146.1	146.1	146.1	146.1	146.1	146.0	145.8	145.5	145.3	145.2
177.5°	146.4	146.4	146.4	146.4	146.4	146.4	146.3	146.1	146.1	145.9	145.7
180°	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7



TEST NUMBER: P1444642
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL12

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9	9445.9
2.5°	9505.2	9501.1	9498.5	9495.1	9493.0	9490.4	9488.5	9486.8	9485.5	9484.2	9483.3
5°	9638.9	9617.7	9601.2	9583.3	9568.7	9554.0	9542.8	9533.4	9527.0	9522.1	9519.2
7.5°	9809.1	9770.2	9735.6	9699.2	9666.5	9634.5	9606.8	9583.0	9565.0	9553.5	9546.5
10°	9961.1	9909.0	9857.5	9803.3	9751.9	9702.1	9656.0	9615.6	9583.6	9562.3	9549.9
12.5°	10029.1	9984.9	9932.3	9873.4	9810.5	9746.7	9684.6	9628.6	9581.6	9550.1	9531.8
15°	9969.2	9951.0	9915.3	9869.6	9809.8	9744.0	9671.1	9602.5	9539.5	9498.6	9474.9
17.5°	9774.0	9799.4	9796.7	9779.3	9736.2	9680.8	9606.5	9529.5	9450.6	9396.0	9366.1
20°	9444.7	9524.6	9565.0	9585.9	9569.0	9533.1	9465.8	9387.6	9295.7	9224.4	9180.8
22.5°	8981.8	9122.9	9210.8	9275.1	9288.7	9276.5	9217.1	9142.7	9040.3	8954.5	8890.2
25°	8386.0	8592.6	8731.6	8840.5	8882.8	8893.7	8843.1	8769.3	8655.0	8555.1	8466.7
27.5°	7684.2	7952.7	8138.2	8284.5	8350.6	8379.2	8332.7	8257.3	8122.1	8002.9	7887.5
30°	6894.1	7212.7	7436.0	7611.5	7692.0	7729.8	7680.4	7596.2	7439.0	7295.4	7150.1
32.5°	6048.4	6397.0	6640.4	6830.9	6910.7	6946.3	6881.6	6787.2	6605.4	6436.3	6266.8
35°	5163.1	5514.9	5760.3	5945.9	6012.7	6034.2	5951.5	5842.2	5640.8	5455.3	5270.4
37.5°	4259.6	4587.1	4810.1	4976.5	5017.9	5021.6	4921.9	4801.3	4589.6	4406.7	4222.7
40°	3364.1	3640.1	3820.2	3953.5	3967.8	3955.0	3846.7	3725.2	3527.2	3363.3	3201.8
42.5°	2520.4	2728.8	2857.3	2948.6	2943.2	2917.9	2818.6	2714.1	2550.8	2425.9	2298.9
45°	1797.7	1935.1	2010.2	2063.7	2046.5	2022.4	1945.1	1871.9	1760.9	1680.2	1594.9
47.5°	1248.9	1413.0	1384.4	1488.9	1398.9	1458.3	1334.6	1266.3	1207.4	1164.5	1116.2
50°	894.1	931.7	949.9	962.3	955.7	946.6	924.3	904.4	877.5	857.9	835.0
52.5°	690.5	709.3	719.6	727.1	725.6	722.3	712.6	703.7	691.1	682.8	672.8
55°	584.9	585.1	604.1	596.0	607.9	593.9	599.5	583.9	586.4	573.0	564.0
57.5°	486.0	493.7	497.2	500.6	499.6	499.0	495.3	493.3	489.1	487.8	484.8
60°	427.5	431.6	432.4	433.9	432.6	432.1	429.2	428.1	425.3	424.8	422.8
62.5°	387.4	389.4	389.4	389.4	387.8	386.1	382.9	381.2	378.8	378.3	377.1
65°	354.0	356.1	356.5	356.9	355.7	354.4	351.6	349.7	347.2	346.2	344.9
67.5°	319.4	321.6	322.4	323.6	322.9	322.6	320.6	319.9	318.3	317.9	316.7
70°	292.2	293.2	293.1	293.1	291.6	290.2	287.9	286.9	285.1	284.7	283.6
72.5°	276.1	276.8	276.3	275.7	273.8	271.7	269.0	267.1	264.8	263.5	261.9
75°	253.4	254.2	253.7	253.4	251.6	250.2	248.1	247.0	245.4	245.0	243.9
77.5°	225.5	225.9	225.0	224.9	223.5	222.7	221.1	220.8	219.7	219.7	218.6
80°	194.4	194.2	192.8	192.4	191.1	190.7	189.5	189.5	188.7	189.0	188.3
82.5°	160.0	159.1	157.2	156.7	155.1	154.9	154.1	154.8	154.2	155.1	154.5
85°	114.7	114.9	114.1	114.1	113.6	113.7	113.7	114.2	114.2	115.0	115.0
87.5°	63.9	64.9	64.7	65.5	65.5	66.4	66.7	68.1	68.3	69.6	69.6
90°	32.1	32.8	31.7	32.5	32.0	33.2	33.0	34.1	33.7	34.7	34.0
92.5°	25.8	24.1	22.4	20.7	19.8	18.9	18.2	17.1	16.4	15.4	14.5
95°	32.5	29.6	26.6	23.7	22.7	21.7	20.8	19.8	18.7	17.7	16.8
97.5°	36.8	33.3	29.9	26.4	25.5	24.7	23.7	22.8	22.0	21.1	20.2
100°	50.2	43.8	37.2	30.8	30.1	29.4	28.6	27.9	27.2	26.4	25.6
102.5°	104.6	91.0	77.3	63.5	61.0	58.4	55.8	53.1	50.4	47.9	45.3
105°	198.3	176.0	153.8	131.6	124.6	117.5	110.5	103.5	96.3	89.3	82.3
107.5°	301.5	278.9	256.5	233.9	220.9	207.8	194.8	181.8	168.7	155.7	142.7
110°	359.4	342.9	326.5	310.0	299.6	289.1	278.6	268.1	257.6	247.1	236.6



TEST NUMBER: P1444642
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL12

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	369.0	357.2	345.4	333.6	328.8	324.1	319.4	314.6	309.8	305.0	300.2
115°	345.9	338.0	330.0	322.0	320.4	318.7	317.1	315.4	313.6	311.9	310.2
117.5°	309.1	304.6	300.1	295.7	295.9	296.1	296.5	296.7	296.9	297.1	297.4
120°	270.9	269.0	267.1	265.2	266.6	268.1	269.6	270.9	272.3	273.7	275.0
122.5°	239.5	238.8	238.0	237.2	239.0	240.8	242.5	244.2	245.8	247.4	249.0
125°	214.9	214.6	214.1	213.7	215.5	217.3	219.0	220.6	222.3	223.9	225.5
127.5°	198.4	198.3	198.2	198.0	199.3	200.5	201.8	202.9	204.1	205.1	206.3
130°	186.8	186.4	186.2	186.1	187.1	188.3	189.4	190.4	191.5	192.5	193.4
132.5°	179.1	178.8	178.5	178.2	179.0	179.8	180.6	181.3	182.1	182.7	183.2
135°	172.7	172.3	172.0	171.6	172.3	173.1	173.9	174.5	175.1	175.6	176.3
137.5°	167.4	166.9	166.6	166.2	166.9	167.5	168.2	168.8	169.3	169.9	170.4
140°	162.6	162.2	161.7	161.3	161.8	162.5	163.0	163.6	164.1	164.5	164.9
142.5°	158.2	157.5	157.0	156.3	156.8	157.2	157.6	157.9	158.4	158.6	158.9
145°	155.1	154.4	153.7	153.0	153.3	153.5	154.0	154.3	154.5	154.7	155.0
147.5°	152.3	151.6	150.9	150.2	150.5	150.7	151.0	151.0	151.4	151.5	151.7
150°	149.5	148.8	148.1	147.3	147.6	147.8	147.9	148.1	148.3	148.4	148.6
152.5°	146.5	145.8	145.1	144.4	144.5	144.6	144.8	144.9	145.1	145.2	145.3
155°	144.5	143.9	143.4	142.8	142.8	143.0	143.1	143.2	143.2	143.4	143.4
157.5°	143.8	143.3	142.8	142.3	142.4	142.4	142.4	142.3	142.4	142.4	142.3
160°	143.3	142.8	142.5	142.0	142.0	142.0	142.0	142.0	142.0	141.9	141.8
162.5°	143.0	142.5	142.0	141.6	141.6	141.6	141.6	141.5	141.5	141.5	141.3
165°	143.3	143.0	142.7	142.2	142.2	142.1	142.1	142.0	141.9	141.8	141.6
167.5°	143.9	143.6	143.3	142.8	142.9	142.8	142.8	142.8	142.8	142.8	142.8
170°	144.7	144.4	144.1	143.8	143.7	143.7	143.7	143.6	143.5	143.4	143.3
172.5°	145.3	145.1	144.8	144.5	144.5	144.4	144.4	144.3	144.2	144.1	144.1
175°	145.0	144.7	144.5	144.3	144.2	144.2	144.2	144.1	144.0	144.0	143.9
177.5°	145.5	145.4	145.3	145.2	145.1	145.1	145.1	145.0	145.0	145.0	145.0
180°	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7



TEST NUMBER: P1444642
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL12

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	9445.9	9445.9
2.5°	9482.5	9482.0
5°	9517.7	9517.2
7.5°	9544.5	9544.4
10°	9547.8	9549.4
12.5°	9528.7	9530.0
15°	9473.1	9475.7
17.5°	9366.7	9370.1
20°	9183.5	9187.0
22.5°	8886.7	8888.2
25°	8455.3	8449.2
27.5°	7867.2	7856.6
30°	7119.6	7109.3
32.5°	6228.2	6221.8
35°	5224.7	5220.7
37.5°	4168.3	4160.1
40°	3142.7	3118.8
42.5°	2243.2	2201.3
45°	1550.2	1500.6
47.5°	1082.2	1051.5
50°	820.3	810.4
52.5°	668.4	666.1
55°	564.0	562.9
57.5°	485.5	485.1
60°	423.8	423.7
62.5°	377.8	378.0
65°	345.5	345.6
67.5°	317.0	316.8
70°	284.1	283.8
72.5°	261.4	261.0
75°	243.9	243.6
77.5°	219.0	218.6
80°	188.7	188.3
82.5°	155.2	154.7
85°	115.8	115.8
87.5°	70.8	70.8
90°	34.8	34.0
92.5°	13.8	13.0
95°	15.8	14.8
97.5°	19.4	18.5
100°	24.9	24.1
102.5°	42.7	40.1
105°	75.2	68.2
107.5°	129.6	116.6
110°	226.1	215.6



TEST NUMBER: P1444642
CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL12

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	295.5	290.7
115°	308.4	306.7
117.5°	297.6	297.7
120°	276.3	277.6
122.5°	250.6	252.1
125°	227.1	228.7
127.5°	207.3	208.3
130°	194.2	195.1
132.5°	183.8	184.3
135°	176.7	177.2
137.5°	170.7	171.1
140°	165.2	165.6
142.5°	159.2	159.3
145°	155.1	155.2
147.5°	151.6	151.8
150°	148.6	148.6
152.5°	145.3	145.3
155°	143.4	143.4
157.5°	142.2	142.1
160°	141.7	141.7
162.5°	141.3	141.2
165°	141.4	141.3
167.5°	142.6	142.6
170°	143.2	143.1
172.5°	144.0	143.9
175°	143.9	143.9
177.5°	145.0	144.9
180°	145.7	145.7

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-5

Test Date: 08/01/2025

Luminaire Tested: EHBR-60-L930-N

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

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-5
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 08/05/2025
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: Metalux
 Catalog Number: **EHBR-60-L930-N**
 Description: Elevate Round Highbay at, 60000 lumens, 3000K 90CRI LEDs with N lens

Spectral Parameters

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

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



Test Conditions

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

REPORT NUMBER: SP1-2506-472-5

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

REPORT NUMBER: SP1-2506-472-5

CIE 1931 Chromaticity Diagram



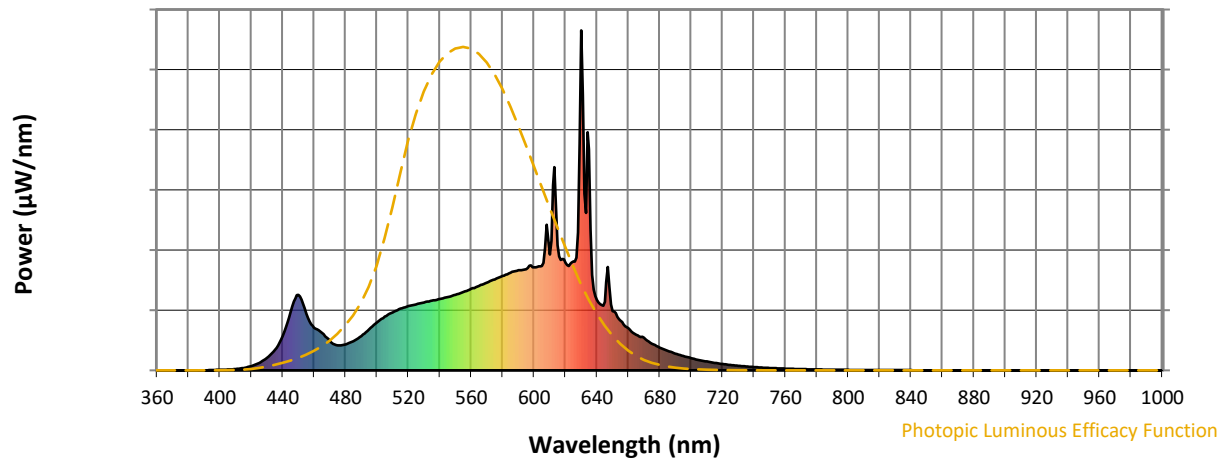
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 7-step quadrangle

REPORT NUMBER: SP1-2506-472-5

Photopic Flux vs. Wavelength



Photopic Lumens: NR

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

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Scotopic Flux vs. Wavelength



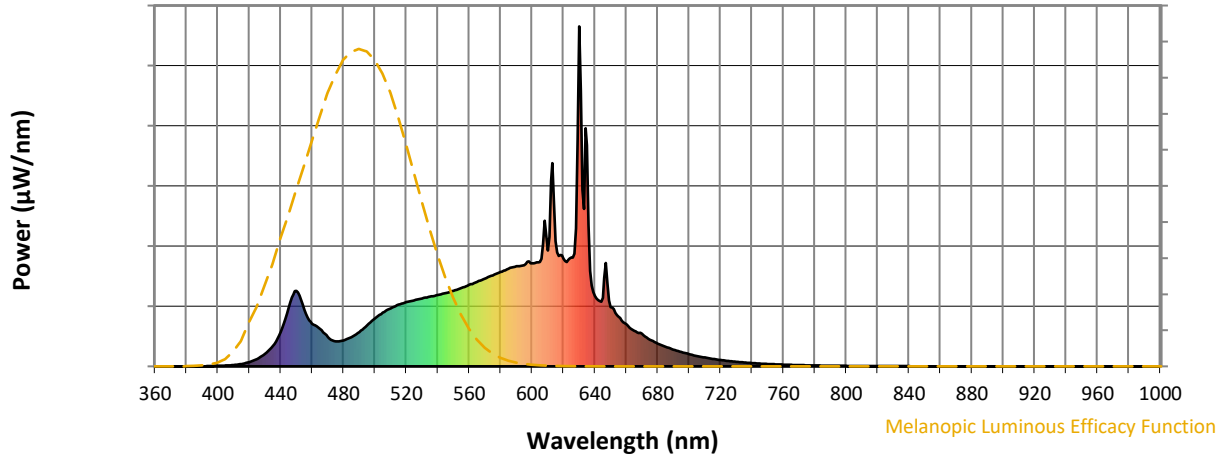
Scotopic Lumens: NR

S/P: 1.44

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

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.85

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

Summary

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

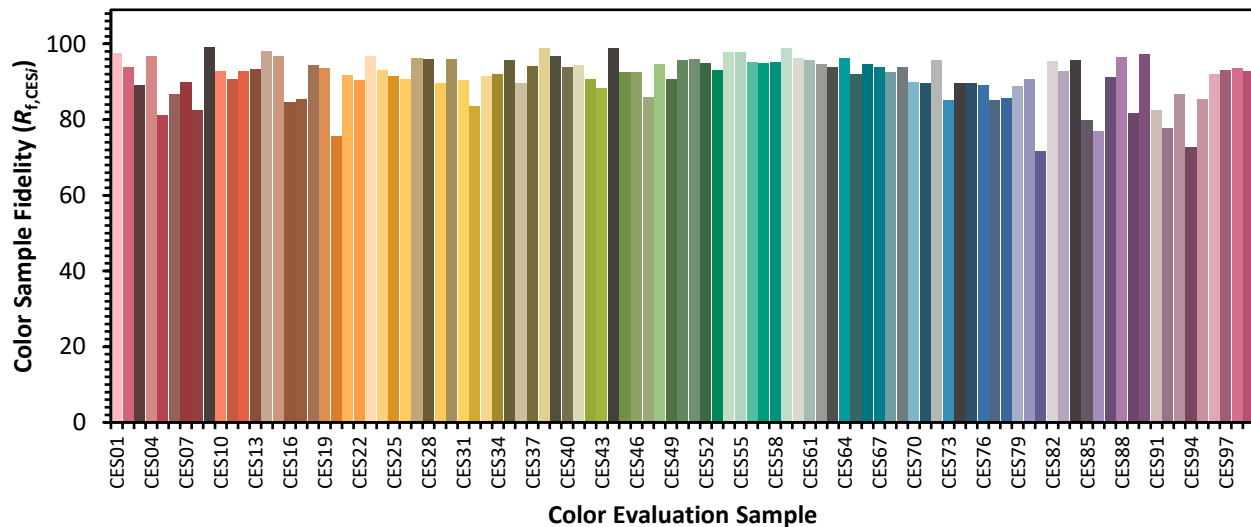


Color Vector Graphics

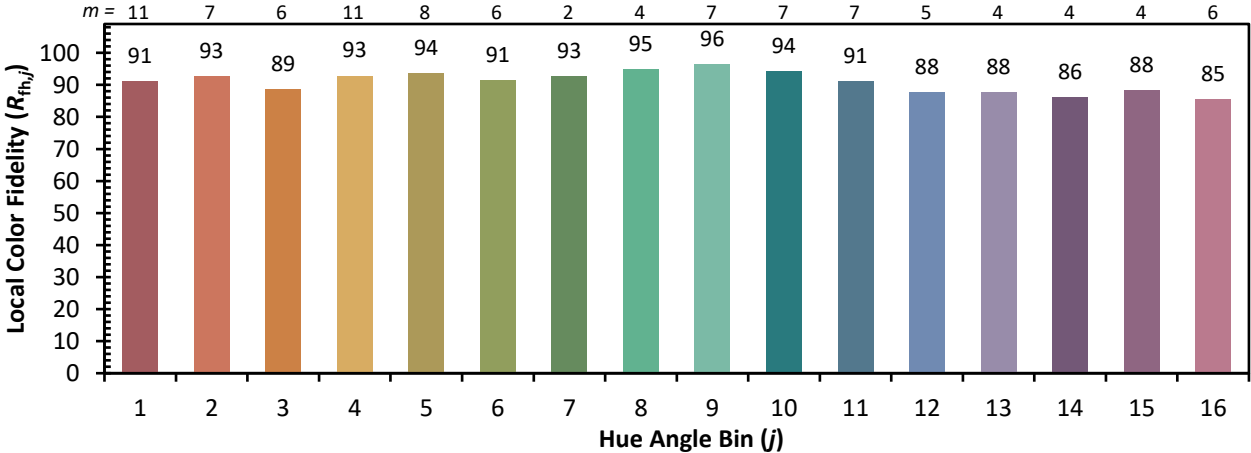


Individual Sample Fidelity Index ($R_{f,i}$)

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



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)