

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: P1444644

Luminaire Tested: EHBR1-12-UNV-TA-L930-UPL18

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444644
REPORT IS A COMBINATION OF REPORTS P1444318 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-UPL18
Description: Elevate Round Highbay at, 12000 lumens, 3000K 90CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

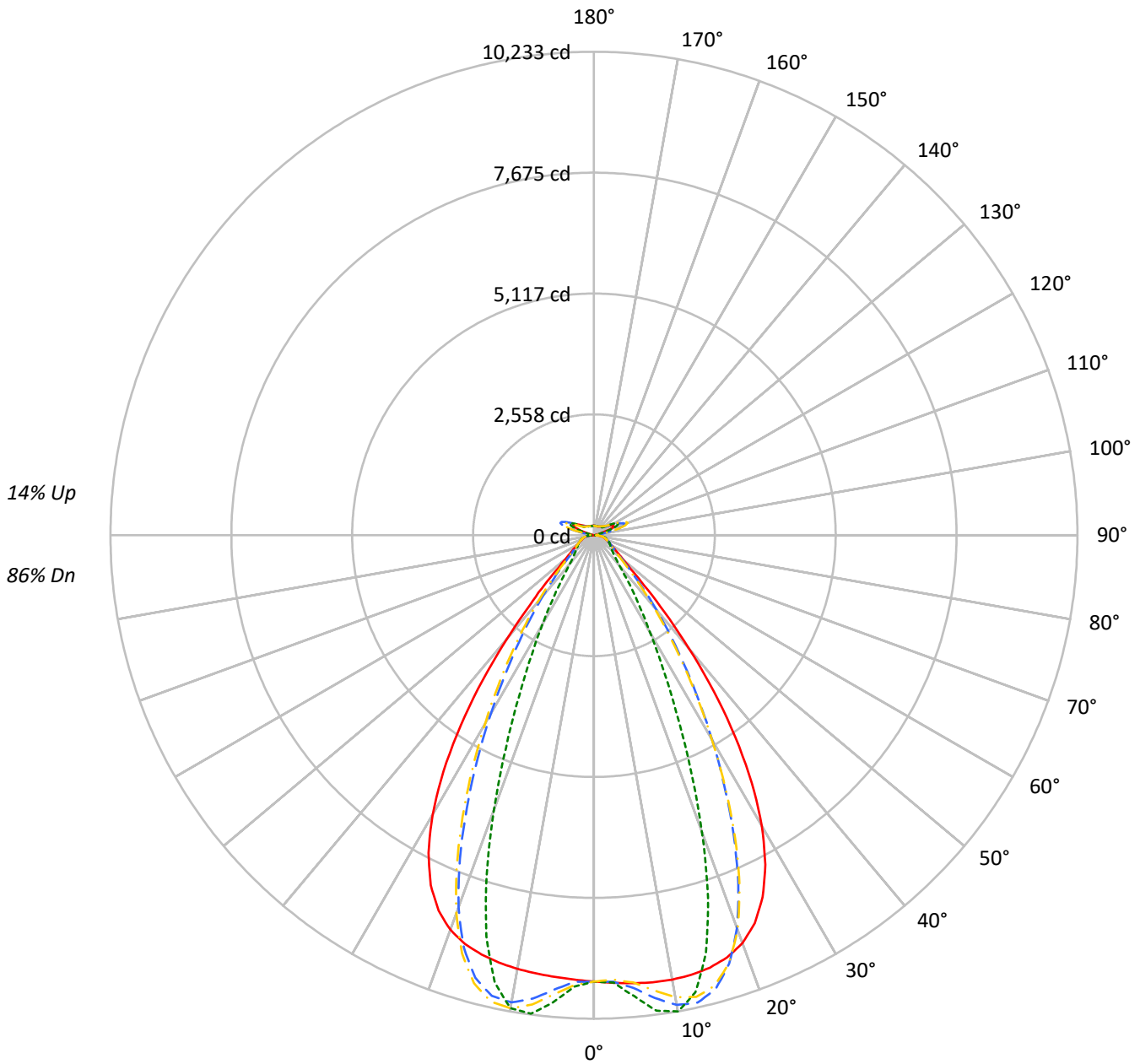
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12580.2 lumens
Efficiency: N/A
Efficacy: 164.2 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): 76.6
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: P1444644
CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL18

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	116	116	116	116	112	112	112	112	104	104	104	96	96	96	90	90	90	90	90	90	86
1	109	105	102	99	105	102	99	96	95	93	91	89	87	86	83	82	81	81	81	81	78
2	102	96	91	87	98	93	88	85	87	84	81	82	79	77	77	75	73	73	73	73	71
3	95	88	82	77	92	85	80	75	80	76	72	76	73	70	72	69	67	67	67	67	65
4	89	81	74	69	86	78	73	68	74	70	66	71	67	63	67	64	61	61	61	61	59
5	84	74	68	63	81	73	66	62	69	64	60	66	62	58	63	59	56	56	56	56	54
6	79	69	62	57	77	67	61	57	65	59	55	62	57	54	59	55	52	52	52	52	50
7	75	64	57	53	72	63	57	52	60	55	51	58	53	50	56	52	48	48	48	48	47
8	71	60	53	49	69	59	53	48	57	51	47	54	50	46	52	48	45	45	45	45	43
9	67	56	50	45	65	55	49	45	53	48	44	51	46	43	49	45	42	42	42	42	41
10	63	53	46	42	62	52	46	42	50	45	41	48	44	40	47	43	40	40	40	40	38

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	7.4
10°-20°	2618.8	20.8
20°-30°	2982.6	23.7
30°-40°	2143.7	17.0
40°-50°	988.7	7.9
50°-60°	473.1	3.8
60°-70°	345.2	2.7
70°-80°	262.3	2.1
80°-90°	122.2	1.0
90°-100°	47.1	0.4
100°-110°	289.4	2.3
110°-120°	535.0	4.3
120°-130°	322.5	2.6
130°-140°	201.1	1.6
140°-150°	144.2	1.1
150°-160°	97.2	0.8
160°-170°	57.1	0.5
170°-180°	19.2	0.2
0°-30°	6532.3	51.9
0°-40°	8676.0	69.0
0°-60°	10137.8	80.6
0°-90°	10867.5	86.4
90°-120°	871.5	6.9
90°-150°	1539.2	12.2
90°-180°	1713.0	13.6
0°-180°	12580.2	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°	38	46	16	18	38	23
95°	22	24	22	24	22	21
105°	102	134	68	134	102	136
115°	465	568	487	568	465	429
125°	343	366	389	366	343	312
135°	260	237	281	238	260	203
145°	224	222	239	224	224	141
155°	203	207	218	208	203	95
165°	197	199	205	200	197	56
175°	199	202	203	202	199	19
180°	202	202	202	202	202	



TEST NUMBER: P1444644
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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°	38.1	40.3	41.3	43.8	44.8	47.1	48.1	50.5	51.6	54.1	56.0
92.5°	19.0	20.3	21.6	22.9	24.2	25.8	27.3	28.6	29.9	31.5	34.2
95°	21.7	23.2	24.7	26.2	27.7	29.3	30.8	32.3	33.9	35.4	39.8
97.5°	27.4	28.7	30.0	31.3	32.6	34.0	35.3	36.5	37.9	39.2	44.5
100°	35.8	37.0	38.1	39.2	40.3	41.4	42.5	43.7	44.7	45.9	55.7
102.5°	60.0	63.9	67.9	71.8	75.7	79.8	83.7	87.6	91.6	95.5	116.4
105°	102.5	113.2	124.0	134.7	145.4	156.2	167.0	177.6	188.4	199.2	233.0
107.5°	176.1	195.9	215.7	235.7	255.6	275.5	295.3	315.3	335.1	354.9	389.3
110°	326.7	342.6	358.7	374.6	390.7	406.6	422.7	438.5	454.6	470.6	495.7



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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°	440.8	448.1	455.4	462.6	469.9	477.1	484.3	491.6	498.9	506.1	524.1
115°	464.7	467.3	469.8	472.4	475.1	477.6	480.1	482.7	485.2	487.7	499.9
117.5°	450.5	450.0	449.7	449.3	448.8	448.4	448.0	447.5	447.1	446.6	453.6
120°	418.9	416.8	414.6	412.5	410.4	408.1	406.0	403.9	401.6	399.3	402.3
122.5°	379.4	376.9	374.3	371.7	369.1	366.4	363.9	361.2	358.5	355.9	357.2
125°	342.6	340.1	337.5	334.9	332.2	329.5	327.0	324.3	321.5	318.8	319.6
127.5°	310.6	308.8	307.1	305.1	303.3	301.5	299.6	297.6	295.9	293.9	294.2
130°	289.5	287.9	286.3	284.7	283.0	281.3	279.6	277.9	276.3	274.5	274.9
132.5°	272.2	271.2	270.0	268.9	267.7	266.4	265.3	264.0	262.7	261.5	262.0
135°	260.3	259.3	258.3	257.3	256.2	255.0	253.9	252.7	251.7	250.4	251.0
137.5°	250.1	249.3	248.4	247.4	246.4	245.3	244.4	243.3	242.2	241.1	241.7
140°	240.9	240.1	239.2	238.3	237.4	236.6	235.6	234.6	233.7	232.7	233.4
142.5°	230.4	229.8	229.3	228.5	228.0	227.2	226.4	225.6	224.9	224.1	225.1
145°	223.6	223.1	222.6	222.1	221.4	220.8	220.2	219.6	218.9	218.3	219.3
147.5°	217.5	217.2	216.8	216.3	215.9	215.4	214.9	214.3	213.9	213.3	214.3
150°	212.2	211.8	211.6	211.0	210.6	210.1	209.7	209.2	208.7	208.2	209.2
152.5°	206.7	206.4	206.0	205.6	205.2	204.7	204.3	203.8	203.3	202.8	203.7
155°	203.2	202.8	202.5	202.0	201.7	201.2	200.8	200.3	199.9	199.4	200.1
157.5°	200.7	200.4	200.2	199.9	199.6	199.2	198.9	198.5	198.3	198.0	198.5
160°	199.3	199.1	198.8	198.5	198.1	197.8	197.6	197.1	196.9	196.6	197.0
162.5°	197.9	197.7	197.4	197.1	196.9	196.4	196.1	195.9	195.6	195.2	195.8
165°	197.4	197.2	197.0	196.9	196.7	196.5	196.3	196.1	196.0	195.8	196.1
167.5°	198.6	198.4	198.2	197.9	197.7	197.4	197.1	196.9	196.7	196.3	196.8
170°	198.8	198.6	198.5	198.5	198.3	198.2	198.1	197.9	197.7	197.7	198.0
172.5°	199.6	199.4	199.3	199.3	199.2	199.1	199.0	198.9	198.8	198.7	199.1
175°	199.3	199.2	199.2	199.1	199.0	199.0	198.9	198.8	198.8	198.7	198.9
177.5°	200.6	200.5	200.5	200.5	200.5	200.5	200.4	200.3	200.3	200.3	200.5
180°	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8



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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°	59.1	61.0	64.1	65.4	67.8	68.8	60.2	60.2	58.3	57.7	55.6
92.5°	36.9	39.6	42.2	45.0	47.7	50.4	52.0	54.4	51.6	48.7	46.0
95°	44.3	48.7	53.2	57.7	62.2	66.7	71.1	75.6	71.4	67.2	63.0
97.5°	49.7	55.1	60.3	65.6	70.8	76.2	81.5	86.7	82.3	77.7	73.3
100°	65.6	75.4	85.2	95.0	104.9	114.7	124.6	134.4	125.7	117.0	108.5
102.5°	137.2	158.2	179.1	199.9	220.8	241.8	262.6	283.6	263.8	243.9	224.1
105°	267.0	300.8	334.6	368.5	402.3	436.1	470.2	503.9	472.3	440.5	408.9
107.5°	423.6	458.0	492.3	526.6	561.0	595.3	629.8	664.2	633.2	602.3	571.5
110°	520.8	545.8	571.0	596.0	621.1	646.2	671.6	696.6	678.1	659.5	640.9



TEST NUMBER: P1444644
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL18

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	541.9	560.0	578.0	595.8	613.7	631.7	650.0	668.0	658.8	649.5	640.3
115°	512.1	524.3	536.4	548.5	560.7	572.7	585.2	597.5	594.6	591.6	588.9
117.5°	460.4	467.2	474.1	480.9	487.6	494.5	501.8	508.8	509.4	510.0	510.6
120°	405.4	408.3	411.3	414.3	417.1	420.1	423.6	426.7	429.4	431.9	434.6
122.5°	358.3	359.6	360.7	361.9	363.1	364.2	366.1	367.5	369.3	371.2	373.1
125°	320.2	320.9	321.6	322.2	322.8	323.6	325.0	325.7	326.1	326.2	326.5
127.5°	294.3	294.7	294.9	295.1	295.3	295.6	296.6	297.0	296.1	295.2	294.3
130°	275.4	275.7	276.2	276.6	277.1	277.4	278.7	279.4	277.7	275.9	274.2
132.5°	262.5	263.1	263.5	264.1	264.6	265.1	266.5	267.3	265.4	263.2	261.3
135°	251.6	252.3	252.8	253.4	254.0	254.8	256.4	257.2	255.3	253.4	251.4
137.5°	242.2	242.9	243.5	244.2	244.7	245.4	247.2	248.1	246.6	245.1	243.5
140°	234.1	234.8	235.5	236.3	237.0	237.8	239.8	240.8	239.7	238.4	237.2
142.5°	225.9	226.9	227.9	228.8	229.8	230.8	233.0	234.3	233.5	232.6	231.9
145°	220.3	221.4	222.5	223.6	224.7	225.8	228.3	229.7	229.3	228.8	228.2
147.5°	215.2	216.2	217.2	218.2	219.2	220.4	222.8	224.2	223.9	223.7	223.3
150°	210.0	211.1	212.1	213.1	214.2	215.3	218.1	219.6	219.3	219.1	218.9
152.5°	204.6	205.5	206.4	207.4	208.3	209.3	212.4	214.0	213.7	213.4	213.2
155°	200.8	201.6	202.3	203.0	203.7	204.6	207.8	209.2	209.1	209.0	208.8
157.5°	199.0	199.5	200.0	200.6	201.1	201.8	205.0	206.2	206.1	205.9	205.9
160°	197.4	197.8	198.3	198.6	199.1	199.6	202.9	204.1	204.0	203.8	203.7
162.5°	196.3	196.9	197.4	197.8	198.5	199.0	202.4	203.6	203.4	203.3	203.1
165°	196.5	196.8	197.1	197.6	197.9	198.3	201.3	202.4	202.3	202.2	202.1
167.5°	197.0	197.5	197.8	198.1	198.5	199.0	201.8	202.8	202.7	202.6	202.6
170°	198.2	198.5	198.8	199.2	199.4	199.9	202.2	203.0	202.9	202.7	202.6
172.5°	199.3	199.8	200.1	200.4	200.7	201.1	203.1	204.0	203.8	203.7	203.4
175°	199.3	199.4	199.8	200.1	200.3	200.6	202.3	202.8	202.7	202.7	202.6
177.5°	200.8	200.9	201.0	201.3	201.5	201.7	202.7	203.1	203.1	203.1	203.0
180°	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8



TEST NUMBER: P1444644
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL18

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°	54.5	52.4	52.0	50.6	50.8	49.5	49.8	48.4	48.9	48.2	49.2
92.5°	43.0	40.3	37.3	34.6	31.6	29.0	27.4	26.2	24.9	23.7	22.2
95°	58.8	54.7	50.5	46.3	42.2	38.1	36.5	35.0	33.5	32.0	30.4
97.5°	68.8	64.3	59.8	55.3	50.8	46.3	45.4	44.3	43.3	42.3	41.3
100°	99.8	91.2	82.5	73.9	65.2	56.6	55.8	55.0	54.2	53.4	52.5
102.5°	204.3	184.4	164.6	144.8	125.0	105.2	101.7	98.3	94.8	91.3	88.0
105°	377.1	345.4	313.8	282.0	250.3	218.7	209.2	199.7	190.3	180.8	171.5
107.5°	540.6	509.6	478.7	447.8	417.0	386.0	371.2	356.2	341.2	326.2	311.4
110°	622.4	603.8	585.4	566.7	548.2	529.8	515.5	501.3	487.0	472.7	458.6



TEST NUMBER: P1444644
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL18

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	630.9	621.7	612.5	603.3	594.0	584.9	577.9	571.0	564.1	557.1	550.1
115°	585.9	583.0	580.0	577.3	574.4	571.5	571.0	570.6	570.1	569.7	569.2
117.5°	511.2	511.9	512.5	513.2	513.8	514.5	518.2	522.0	525.8	529.5	533.4
120°	437.2	439.7	442.4	445.0	447.6	450.3	455.3	460.4	465.4	470.5	475.7
122.5°	375.0	376.8	378.6	380.6	382.5	384.3	389.3	394.4	399.4	404.4	409.7
125°	326.7	327.0	327.2	327.3	327.6	327.9	332.0	336.1	340.3	344.6	348.7
127.5°	293.5	292.5	291.5	290.7	289.7	288.8	291.3	293.8	296.3	298.9	301.4
130°	272.4	270.8	268.9	267.3	265.5	263.8	264.8	265.9	266.9	268.1	269.1
132.5°	259.2	257.1	255.0	253.0	250.9	248.9	249.0	249.1	249.3	249.3	249.6
135°	249.4	247.6	245.6	243.5	241.6	239.7	239.3	238.9	238.6	238.2	237.8
137.5°	242.0	240.5	238.9	237.4	235.9	234.4	233.7	233.1	232.5	232.0	231.4
140°	236.1	234.8	233.6	232.4	231.1	230.0	229.5	229.0	228.4	228.0	227.6
142.5°	230.9	230.0	229.1	228.3	227.4	226.5	226.1	225.5	225.1	224.7	224.2
145°	227.7	227.2	226.5	226.1	225.5	225.0	224.6	224.3	223.9	223.7	223.3
147.5°	223.1	222.7	222.4	222.1	221.7	221.4	221.2	221.0	220.7	220.6	220.4
150°	218.5	218.2	217.9	217.6	217.3	217.1	216.9	216.8	216.7	216.7	216.6
152.5°	213.0	212.6	212.4	212.2	211.8	211.6	211.5	211.5	211.4	211.3	211.3
155°	208.6	208.5	208.3	208.2	208.0	207.8	207.7	207.5	207.4	207.2	207.0
157.5°	205.8	205.6	205.4	205.3	205.1	205.0	204.8	204.7	204.5	204.4	204.2
160°	203.5	203.4	203.3	203.2	203.0	202.9	202.6	202.4	202.2	201.9	201.6
162.5°	202.8	202.5	202.3	202.1	201.8	201.7	201.5	201.3	201.1	201.0	200.9
165°	201.9	201.8	201.7	201.5	201.4	201.3	201.0	200.8	200.5	200.2	200.0
167.5°	202.4	202.3	202.1	202.0	201.8	201.8	201.6	201.3	201.0	200.9	200.5
170°	202.4	202.0	201.9	201.7	201.5	201.2	201.0	200.9	200.6	200.4	200.1
172.5°	203.4	203.1	202.9	202.7	202.6	202.4	202.2	202.0	201.8	201.7	201.4
175°	202.6	202.6	202.6	202.4	202.4	202.3	202.2	202.2	202.1	202.1	202.0
177.5°	203.0	203.0	203.0	202.9	202.9	202.9	202.7	202.6	202.5	202.3	202.2
180°	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8



TEST NUMBER: P1444644
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL18

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°	48.1	48.6	46.8	46.4	46.1	47.1	46.0	46.2	44.1	43.9	42.2
92.5°	20.9	19.6	18.3	16.9	18.4	19.6	21.0	22.2	23.6	24.9	26.2
95°	28.9	27.4	25.8	24.3	25.6	26.7	28.0	29.2	30.4	31.6	32.9
97.5°	40.3	39.3	38.2	37.2	38.0	38.7	39.4	40.1	40.7	41.4	42.2
100°	51.7	50.9	50.1	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
102.5°	84.5	81.0	77.6	74.1	76.5	78.8	81.1	83.4	85.8	88.1	90.5
105°	162.0	152.6	143.1	133.7	142.8	151.9	161.0	170.2	179.3	188.6	197.7
107.5°	296.4	281.5	266.5	251.7	268.3	285.0	301.6	318.2	334.9	351.6	368.2
110°	444.3	430.2	415.9	401.7	419.4	437.0	454.7	472.3	490.0	507.7	525.4



TEST NUMBER: P1444644
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL18

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	543.1	536.3	529.3	522.5	533.9	545.2	556.6	568.0	579.4	590.8	602.2
115°	568.8	568.4	568.0	567.6	572.9	578.3	583.7	589.0	594.6	599.9	605.4
117.5°	537.2	541.0	544.9	548.8	550.5	552.2	553.9	555.6	557.5	559.2	561.0
120°	480.8	485.8	491.0	496.2	495.5	494.8	494.0	493.3	492.9	492.2	491.6
122.5°	414.7	419.8	425.0	430.2	428.6	427.1	425.6	424.1	422.7	421.2	419.8
125°	353.1	357.3	361.6	366.0	364.5	363.0	361.4	360.0	358.6	357.2	355.8
127.5°	304.1	306.8	309.4	312.1	311.4	310.7	310.0	309.4	308.9	308.2	307.7
130°	270.4	271.5	272.8	274.0	274.2	274.4	274.7	275.0	275.4	275.6	276.1
132.5°	249.9	250.1	250.4	250.8	251.6	252.4	253.3	254.2	255.2	256.1	257.2
135°	237.6	237.3	237.1	237.0	238.2	239.4	240.6	241.9	243.3	244.7	246.2
137.5°	230.9	230.4	230.0	229.6	230.9	232.1	233.4	234.6	236.0	237.4	238.9
140°	227.2	226.8	226.6	226.3	227.5	228.7	229.9	231.3	232.6	234.0	235.4
142.5°	223.9	223.5	223.1	222.9	224.0	225.1	226.3	227.4	228.8	229.9	231.3
145°	223.1	222.8	222.6	222.4	223.1	223.9	224.8	225.7	226.7	227.6	228.6
147.5°	220.3	220.1	220.0	219.9	220.6	221.2	221.8	222.4	223.1	223.8	224.6
150°	216.7	216.6	216.5	216.6	217.0	217.3	217.8	218.2	218.7	219.0	219.7
152.5°	211.3	211.2	211.3	211.3	211.6	212.0	212.4	212.7	213.2	213.6	214.1
155°	207.0	206.8	206.7	206.7	206.7	207.0	207.2	207.3	207.5	207.7	207.9
157.5°	204.2	204.0	204.0	203.8	203.8	203.8	203.9	203.9	204.1	204.1	204.2
160°	201.5	201.2	201.0	200.8	200.9	201.0	201.2	201.2	201.4	201.5	201.7
162.5°	200.8	200.6	200.5	200.3	200.3	200.1	200.1	200.0	199.9	199.8	199.8
165°	199.8	199.4	199.3	199.0	199.0	199.0	199.1	199.1	199.1	199.1	199.2
167.5°	200.3	200.1	199.9	199.6	199.5	199.3	199.2	198.9	198.7	198.5	198.5
170°	199.9	199.7	199.5	199.3	199.3	199.2	199.2	199.0	199.0	199.0	199.0
172.5°	201.2	201.0	200.9	200.7	200.6	200.6	200.5	200.5	200.4	200.4	200.4
175°	201.9	201.9	201.8	201.8	201.7	201.6	201.4	201.3	201.2	201.0	200.9
177.5°	202.1	201.8	201.8	201.7	201.7	201.7	201.7	201.7	201.7	201.6	201.6
180°	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8



TEST NUMBER: P1444644
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL18

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°	42.5	41.1	42.1	41.6	43.0	42.7	44.3	44.6	46.4	46.6	48.5
92.5°	27.4	28.8	31.2	33.8	36.1	38.5	41.0	43.5	45.8	48.4	50.7
95°	34.0	35.3	38.5	41.8	45.0	48.3	51.6	54.9	58.1	61.4	64.6
97.5°	43.0	43.7	46.9	50.2	53.4	56.7	59.9	63.3	66.5	69.8	73.0
100°	49.3	49.4	58.6	67.8	77.1	86.4	95.5	104.8	114.2	123.3	132.6
102.5°	92.9	95.2	118.5	141.9	165.2	188.6	212.0	235.3	258.7	282.1	305.5
105°	206.8	215.9	251.6	287.3	322.9	358.5	394.2	429.9	465.4	501.2	536.8
107.5°	384.9	401.5	433.8	466.0	498.1	530.4	562.7	594.8	627.1	659.3	691.6
110°	543.1	560.7	582.3	603.8	625.4	647.1	668.5	690.2	711.8	733.4	755.1



TEST NUMBER: P1444644
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL18

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	613.5	625.0	637.5	650.1	662.7	675.2	687.8	700.3	713.0	725.6	738.2
115°	610.8	616.2	621.0	625.9	630.8	635.6	640.6	645.5	650.5	655.3	660.3
117.5°	562.8	564.6	565.3	566.1	566.9	567.7	568.4	569.2	570.0	570.9	571.6
120°	490.9	490.3	489.5	488.6	487.8	486.9	486.1	485.3	484.5	483.7	483.0
122.5°	418.4	417.1	416.2	415.4	414.6	413.8	413.0	412.3	411.6	410.8	410.1
125°	354.5	353.2	353.8	354.4	355.1	355.7	356.5	357.2	357.9	358.5	359.3
127.5°	307.2	306.7	308.4	310.3	312.1	313.9	315.7	317.6	319.4	321.3	323.0
130°	276.5	276.9	279.2	281.6	283.8	286.2	288.6	291.0	293.3	295.7	298.1
132.5°	258.2	259.3	261.5	263.7	266.0	268.3	270.5	272.9	275.1	277.4	279.6
135°	247.6	249.1	251.1	253.2	255.2	257.3	259.4	261.5	263.4	265.6	267.6
137.5°	240.3	241.8	243.5	245.1	246.7	248.4	250.0	251.7	253.3	255.0	256.6
140°	236.8	238.4	239.2	240.2	241.0	241.9	242.8	243.8	244.5	245.5	246.4
142.5°	232.5	233.9	234.4	235.1	235.5	236.2	236.8	237.4	237.8	238.5	239.0
145°	229.5	230.5	230.5	230.5	230.5	230.6	230.5	230.6	230.5	230.5	230.5
147.5°	225.3	226.1	225.9	225.8	225.7	225.5	225.4	225.2	225.0	224.8	224.7
150°	220.0	220.6	220.3	220.1	219.8	219.5	219.1	218.9	218.5	218.3	218.0
152.5°	214.5	215.0	214.6	214.3	214.0	213.7	213.2	213.0	212.6	212.3	212.0
155°	208.2	208.3	208.2	208.0	207.8	207.6	207.4	207.3	207.2	206.9	206.8
157.5°	204.2	204.2	204.2	204.1	203.9	203.9	203.7	203.6	203.6	203.6	203.6
160°	201.8	201.9	201.8	201.7	201.6	201.5	201.3	201.3	201.3	201.3	201.3
162.5°	199.7	199.6	199.5	199.4	199.3	199.3	199.2	199.2	199.1	199.1	199.1
165°	199.3	199.3	199.1	198.9	198.7	198.5	198.4	198.3	198.2	198.0	197.9
167.5°	198.3	198.2	198.2	198.3	198.3	198.3	198.4	198.5	198.5	198.6	198.7
170°	198.9	199.0	198.8	198.8	198.6	198.5	198.5	198.5	198.4	198.3	198.3
172.5°	200.4	200.4	200.2	200.0	199.8	199.6	199.3	199.3	199.1	198.8	198.6
175°	200.8	200.7	200.6	200.5	200.4	200.2	200.1	200.0	199.9	199.8	199.7
177.5°	201.6	201.5	201.4	201.4	201.4	201.4	201.4	201.3	201.3	201.3	201.2
180°	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8



TEST NUMBER: P1444644
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL18

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°	45.4	43.8	40.6	39.1	36.1	34.0	30.7	28.7	25.6	24.8	23.0
92.5°	47.9	45.3	42.6	39.7	37.2	34.4	31.6	29.0	26.2	25.2	24.3
95°	60.7	56.7	52.8	48.7	44.8	40.8	36.9	32.9	29.0	28.2	27.4
97.5°	68.4	63.6	59.0	54.4	49.6	45.0	40.5	35.7	31.1	30.6	30.1
100°	121.8	111.1	100.4	89.6	78.9	68.1	57.5	46.7	35.9	35.3	34.7
102.5°	279.4	253.4	227.3	201.2	175.3	149.2	123.1	97.0	71.0	67.3	63.5
105°	497.4	458.0	418.6	379.2	339.7	300.2	260.8	221.4	182.0	169.3	156.6
107.5°	654.5	617.4	580.4	543.3	506.2	469.1	432.1	395.0	357.8	335.5	313.2
110°	725.6	696.1	666.8	637.3	607.8	578.4	548.9	519.4	490.0	470.8	451.6



TEST NUMBER: P1444644
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL18

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	716.6	695.0	673.4	651.8	630.3	608.6	587.0	565.4	543.8	532.1	520.4
115°	647.3	634.3	621.3	608.2	595.2	582.1	569.1	556.0	542.9	536.6	530.5
117.5°	565.0	558.2	551.5	544.8	538.1	531.3	524.6	517.8	511.1	508.9	506.7
120°	480.9	478.8	476.6	474.5	472.4	470.3	468.0	465.9	463.7	463.9	464.1
122.5°	410.8	411.4	412.2	412.7	413.4	413.9	414.6	415.2	415.8	417.3	418.9
125°	361.1	362.9	364.7	366.4	368.1	369.9	371.7	373.4	375.2	376.7	378.3
127.5°	325.1	327.1	329.2	331.1	333.2	335.2	337.2	339.2	341.1	342.5	344.0
130°	299.9	301.6	303.3	304.9	306.7	308.4	310.1	311.8	313.5	314.6	315.6
132.5°	281.2	282.7	284.3	285.7	287.2	288.7	290.3	291.8	293.4	294.1	294.8
135°	268.8	269.7	270.9	272.0	273.2	274.2	275.4	276.5	277.6	278.0	278.5
137.5°	257.5	258.3	259.2	260.1	261.0	261.9	262.8	263.7	264.7	264.8	265.0
140°	247.4	248.4	249.3	250.2	251.2	252.2	253.3	254.2	255.3	255.5	255.7
142.5°	239.7	240.3	241.1	241.9	242.7	243.4	244.2	245.0	245.8	246.0	246.1
145°	231.4	232.3	233.2	234.1	235.1	236.0	237.0	238.0	239.1	239.1	239.1
147.5°	225.5	226.3	227.1	227.9	228.7	229.5	230.4	231.3	232.2	232.2	232.2
150°	218.9	219.7	220.5	221.4	222.3	223.2	224.1	225.1	226.2	226.3	226.5
152.5°	212.9	213.8	214.7	215.7	216.7	217.8	218.9	219.8	220.9	221.1	221.4
155°	207.7	208.6	209.6	210.6	211.6	212.6	213.7	214.7	215.7	216.0	216.3
157.5°	204.4	205.2	206.1	207.0	207.9	208.8	209.8	210.7	211.6	211.8	212.0
160°	202.1	202.8	203.5	204.3	205.1	205.9	206.7	207.5	208.3	208.5	208.7
162.5°	199.9	200.7	201.4	202.1	202.9	203.7	204.4	205.2	206.0	206.2	206.5
165°	198.5	199.0	199.6	200.1	200.7	201.2	201.8	202.3	203.0	203.2	203.4
167.5°	199.2	199.5	200.0	200.4	200.9	201.3	201.8	202.2	202.6	202.9	203.1
170°	198.6	199.1	199.3	199.9	200.2	200.7	201.0	201.5	201.9	202.1	202.4
172.5°	198.9	199.2	199.4	199.7	200.0	200.2	200.5	200.9	201.1	201.4	201.6
175°	199.8	199.9	200.1	200.1	200.3	200.5	200.6	200.8	201.0	201.1	201.4
177.5°	201.3	201.4	201.6	201.7	201.8	201.9	202.2	202.3	202.4	202.6	203.0
180°	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8



TEST NUMBER: P1444644
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL18

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°	22.3	20.7	20.0	18.4	17.6	16.4	15.8	16.2	16.8	17.4	18.0
92.5°	23.4	22.5	21.6	20.7	19.8	18.8	17.9	18.8	19.8	20.7	21.6
95°	26.6	25.8	24.9	24.1	23.3	22.5	21.7	22.5	23.3	24.1	25.0
97.5°	29.6	29.1	28.6	28.1	27.5	27.1	26.6	27.1	27.5	28.1	28.6
100°	34.1	33.5	32.9	32.3	31.7	31.1	30.5	31.2	31.8	32.3	33.0
102.5°	59.7	56.0	52.2	48.5	44.6	40.9	37.2	40.9	44.6	48.6	52.3
105°	143.9	131.3	118.5	105.9	93.2	80.5	67.8	80.6	93.3	106.0	118.6
107.5°	290.9	268.7	246.3	224.0	201.7	179.4	157.0	179.5	201.8	224.1	246.4
110°	432.4	413.0	393.8	374.5	355.3	336.0	316.7	336.0	355.3	374.5	393.9



TEST NUMBER: P1444644
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL18

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	508.7	497.0	485.1	473.5	461.7	450.0	438.3	450.0	461.8	473.6	485.3
115°	524.3	518.0	511.9	505.6	499.3	493.2	486.8	493.2	499.5	505.8	512.1
117.5°	504.4	502.2	500.0	497.8	495.5	493.2	490.9	493.3	495.7	498.1	500.4
120°	464.2	464.4	464.6	464.6	464.8	464.9	465.0	465.0	465.0	465.0	465.0
122.5°	420.4	421.9	423.3	424.8	426.2	427.7	429.1	427.8	426.5	425.3	423.9
125°	379.8	381.5	382.9	384.4	385.9	387.5	388.8	387.6	386.3	385.0	383.5
127.5°	345.2	346.7	347.9	349.4	350.6	351.9	353.1	352.1	350.9	349.9	348.7
130°	316.5	317.6	318.4	319.5	320.4	321.3	322.1	321.4	320.7	320.1	319.2
132.5°	295.5	296.2	296.9	297.6	298.2	298.8	299.3	299.0	298.6	298.2	297.7
135°	278.9	279.3	279.8	280.2	280.5	280.8	281.0	281.1	281.0	280.9	280.7
137.5°	265.1	265.3	265.4	265.5	265.5	265.5	265.5	265.7	265.9	266.3	266.4
140°	255.7	255.9	256.0	256.1	256.2	256.2	256.1	256.5	256.6	256.9	257.0
142.5°	246.2	246.4	246.6	246.7	246.7	246.7	246.7	246.9	247.1	247.4	247.5
145°	239.2	239.2	239.2	239.2	239.1	238.9	238.7	239.2	239.5	239.8	240.2
147.5°	232.2	232.2	232.2	232.1	232.1	232.0	231.8	232.1	232.5	232.8	233.1
150°	226.7	226.9	227.1	227.2	227.2	227.3	227.3	227.5	227.7	227.9	228.0
152.5°	221.4	221.6	221.7	221.8	222.0	222.0	222.0	222.3	222.4	222.6	222.7
155°	216.5	216.7	216.9	217.1	217.3	217.4	217.6	217.7	217.8	217.9	218.0
157.5°	212.2	212.4	212.6	212.8	213.0	213.2	213.3	213.5	213.6	213.8	213.8
160°	208.9	209.2	209.2	209.5	209.7	209.9	210.0	210.1	210.3	210.4	210.5
162.5°	206.7	206.8	206.9	207.2	207.3	207.5	207.6	207.8	208.0	208.1	208.2
165°	203.7	204.0	204.3	204.6	204.9	205.1	205.3	205.4	205.4	205.5	205.5
167.5°	203.4	203.6	203.9	204.2	204.3	204.6	204.8	204.9	204.9	204.9	205.0
170°	202.6	202.7	203.1	203.3	203.5	203.7	203.9	203.9	203.9	204.0	204.0
172.5°	201.9	202.3	202.6	202.8	203.2	203.4	203.7	203.7	203.5	203.4	203.2
175°	201.7	201.9	202.2	202.5	202.6	203.0	203.3	203.1	203.0	202.8	202.7
177.5°	203.4	203.7	204.1	204.3	204.6	205.0	205.3	205.1	204.7	204.5	204.2
180°	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8



TEST NUMBER: P1444644
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL18

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°	18.6	19.2	19.8	20.5	21.3	23.0	24.8	26.5	28.4	30.1	32.0
92.5°	22.5	23.4	24.3	25.3	26.2	29.0	31.6	34.4	37.2	39.8	42.6
95°	25.8	26.6	27.4	28.3	29.1	33.1	37.1	41.0	45.0	48.9	52.9
97.5°	29.1	29.7	30.2	30.7	31.2	35.8	40.5	45.2	49.8	54.5	59.2
100°	33.6	34.2	34.8	35.5	36.1	46.9	57.7	68.4	79.1	89.8	100.6
102.5°	56.1	59.8	63.6	67.5	71.2	97.3	123.3	149.4	175.5	201.5	227.6
105°	131.4	144.0	156.8	169.5	182.1	221.6	261.1	300.6	340.0	379.4	418.9
107.5°	268.8	291.0	313.5	335.8	358.1	395.3	432.4	469.5	506.6	543.7	580.8
110°	413.2	432.5	451.8	471.1	490.4	519.8	549.4	578.9	608.3	637.9	667.3



TEST NUMBER: P1444644
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL18

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	497.3	508.9	520.7	532.5	544.2	565.9	587.5	609.2	630.9	652.4	674.1
115°	518.4	524.6	530.9	537.1	543.4	556.6	569.7	582.8	595.9	608.9	622.1
117.5°	502.6	504.9	507.2	509.5	511.7	518.5	525.3	532.1	539.0	545.7	552.5
120°	465.0	464.9	464.8	464.6	464.6	466.7	469.0	471.2	473.4	475.6	477.7
122.5°	422.5	421.1	419.7	418.2	416.8	416.2	415.6	415.0	414.6	413.8	413.3
125°	382.2	380.8	379.3	377.8	376.3	374.6	372.9	371.2	369.5	367.8	366.0
127.5°	347.5	346.2	345.0	343.7	342.5	340.5	338.5	336.6	334.6	332.7	330.6
130°	318.6	317.7	316.9	315.8	315.0	313.2	311.6	309.9	308.2	306.6	304.9
132.5°	297.3	296.7	296.1	295.5	294.9	293.4	292.0	290.4	288.9	287.5	286.1
135°	280.4	280.2	279.9	279.6	279.3	278.2	277.1	276.1	275.1	273.9	272.9
137.5°	266.5	266.5	266.5	266.5	266.5	265.6	264.7	263.9	263.1	262.2	261.3
140°	257.1	257.1	257.3	257.2	257.2	256.2	255.3	254.3	253.4	252.5	251.5
142.5°	247.6	247.6	247.7	247.7	247.7	246.9	246.3	245.6	244.9	244.2	243.5
145°	240.3	240.5	240.7	240.8	241.0	240.1	239.2	238.3	237.5	236.5	235.7
147.5°	233.4	233.6	233.7	234.0	234.2	233.4	232.7	231.9	231.2	230.4	229.8
150°	228.0	228.0	228.2	228.2	228.2	227.4	226.6	225.8	225.1	224.2	223.5
152.5°	222.9	223.0	223.1	223.1	223.1	222.3	221.4	220.6	219.8	218.8	218.0
155°	218.1	218.1	218.1	218.1	218.1	217.3	216.5	215.7	214.9	214.0	213.2
157.5°	213.9	214.0	214.1	214.1	214.1	213.4	212.7	212.0	211.3	210.5	209.8
160°	210.6	210.7	210.8	210.8	210.8	210.2	209.7	209.1	208.5	207.8	207.2
162.5°	208.3	208.4	208.4	208.5	208.6	208.0	207.4	206.8	206.2	205.6	205.0
165°	205.4	205.4	205.4	205.3	205.3	204.9	204.6	204.2	203.8	203.3	202.9
167.5°	204.9	204.8	204.8	204.8	204.8	204.5	204.2	203.9	203.5	203.3	202.9
170°	203.9	203.8	203.8	203.8	203.7	203.4	203.2	202.9	202.6	202.3	201.9
172.5°	203.2	203.0	202.8	202.7	202.6	202.4	202.1	201.9	201.8	201.6	201.4
175°	202.5	202.4	202.2	202.0	201.8	201.8	201.8	201.7	201.6	201.4	201.3
177.5°	203.9	203.7	203.4	203.1	202.9	202.8	202.7	202.6	202.6	202.5	202.4
180°	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8



TEST NUMBER: P1444644
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL18

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°	33.8	38.4	40.1	38.8	36.6	35.1	33.0	31.7	29.7	28.3	26.4
92.5°	45.4	48.0	50.8	48.4	45.9	43.5	41.1	38.6	36.2	33.8	31.3
95°	56.9	60.8	64.7	61.5	58.1	54.9	51.6	48.4	45.1	41.9	38.6
97.5°	63.8	68.4	73.1	69.9	66.6	63.3	60.0	56.8	53.5	50.3	47.0
100°	111.3	122.0	132.7	123.4	114.2	105.0	95.7	86.4	77.2	67.9	58.7
102.5°	253.6	279.6	305.6	282.2	258.9	235.4	212.1	188.7	165.4	142.0	118.6
105°	458.3	497.6	537.0	501.3	465.6	430.0	394.3	358.6	322.9	287.3	251.7
107.5°	617.8	654.7	691.7	659.4	627.3	595.0	562.8	530.6	498.3	466.1	433.9
110°	696.7	725.9	755.2	733.6	712.0	690.4	668.7	647.1	625.5	604.0	582.4



TEST NUMBER: P1444644
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL18

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	695.7	716.9	738.4	725.7	713.2	700.6	688.0	675.4	662.8	650.3	637.7
115°	635.1	647.7	660.6	655.6	650.7	645.7	640.8	635.9	631.0	626.1	621.3
117.5°	559.2	565.4	572.0	571.1	570.3	569.4	568.6	567.9	567.1	566.3	565.6
120°	480.0	481.5	483.4	484.1	485.0	485.7	486.6	487.3	488.2	488.9	489.8
122.5°	412.7	411.4	410.5	411.3	412.1	412.7	413.5	414.2	415.0	415.7	416.6
125°	364.3	361.7	359.8	359.0	358.4	357.6	357.0	356.2	355.6	354.9	354.2
127.5°	328.7	325.9	323.7	321.9	320.0	318.1	316.4	314.5	312.7	310.8	309.0
130°	303.3	300.7	298.8	296.4	294.1	291.7	289.4	286.9	284.5	282.3	279.9
132.5°	284.5	282.1	280.4	278.1	276.0	273.7	271.4	269.1	266.9	264.5	262.4
135°	271.8	269.7	268.4	266.4	264.4	262.4	260.3	258.2	256.2	254.2	252.1
137.5°	260.5	258.5	257.5	255.8	254.2	252.5	251.0	249.4	247.8	246.0	244.5
140°	250.6	248.4	247.3	246.5	245.6	244.8	243.9	243.0	242.1	241.3	240.4
142.5°	242.7	240.9	239.9	239.4	238.9	238.4	237.9	237.4	236.8	236.2	235.7
145°	234.8	232.6	231.5	231.4	231.6	231.6	231.6	231.7	231.7	231.7	231.8
147.5°	229.0	226.8	225.7	225.9	226.2	226.3	226.5	226.6	226.9	227.0	227.2
150°	222.6	220.1	218.9	219.2	219.5	219.8	220.2	220.6	220.8	221.2	221.4
152.5°	217.1	214.1	212.7	213.1	213.4	213.8	214.1	214.5	214.9	215.3	215.7
155°	212.3	209.1	207.6	207.7	207.9	208.1	208.2	208.4	208.6	208.8	209.2
157.5°	209.0	205.8	204.4	204.3	204.4	204.4	204.5	204.7	204.8	204.9	205.1
160°	206.7	203.4	202.1	202.0	202.1	202.1	202.1	202.3	202.4	202.5	202.6
162.5°	204.3	201.2	199.9	199.9	199.9	199.9	200.0	200.0	200.1	200.1	200.2
165°	202.4	199.8	198.7	198.7	198.9	199.0	199.1	199.3	199.4	199.6	199.9
167.5°	202.6	200.2	199.4	199.3	199.2	199.1	199.1	199.0	199.0	198.9	198.9
170°	201.6	199.7	199.0	199.0	199.1	199.2	199.2	199.3	199.3	199.4	199.5
172.5°	201.1	199.7	199.3	199.3	199.6	199.8	200.0	200.1	200.3	200.5	200.8
175°	201.2	200.4	200.2	200.2	200.3	200.4	200.5	200.7	200.8	200.9	201.0
177.5°	202.2	201.9	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8
180°	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8



TEST NUMBER: P1444644
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL18

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°	25.2	24.0	23.5	22.1	21.9	20.5	20.5	19.2	19.3	17.8	20.0
92.5°	28.9	27.5	26.2	25.0	23.6	22.3	20.9	19.7	18.4	17.0	18.4
95°	35.4	34.1	33.0	31.7	30.5	29.3	28.1	26.8	25.7	24.4	25.9
97.5°	43.8	43.0	42.3	41.6	40.9	40.3	39.6	38.9	38.1	37.4	38.4
100°	49.5	49.5	49.5	49.5	49.4	49.4	49.4	49.4	49.4	49.4	50.2
102.5°	95.3	92.9	90.6	88.2	85.9	83.5	81.2	78.9	76.5	74.2	77.7
105°	216.0	206.9	197.7	188.7	179.4	170.3	161.1	152.0	142.8	133.8	143.2
107.5°	401.7	385.0	368.3	351.7	335.0	318.3	301.7	285.1	268.4	251.7	266.6
110°	560.8	543.1	525.5	507.9	490.1	472.4	454.7	437.1	419.5	401.8	416.0



TEST NUMBER: P1444644
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL18

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	625.1	613.6	602.3	590.8	579.5	568.1	556.8	545.4	534.1	522.7	529.5
115°	616.3	611.0	605.4	600.1	594.7	589.2	583.8	578.4	573.0	567.7	568.1
117.5°	564.8	563.0	561.2	559.4	557.7	555.8	554.1	552.4	550.5	548.9	545.1
120°	490.7	491.2	491.7	492.4	493.1	493.7	494.2	494.9	495.7	496.4	491.2
122.5°	417.3	418.7	420.1	421.5	422.8	424.4	425.9	427.4	428.9	430.4	425.3
125°	353.5	354.9	356.2	357.6	359.0	360.4	361.9	363.4	364.8	366.4	362.1
127.5°	307.3	307.8	308.2	308.8	309.3	309.9	310.6	311.2	311.9	312.7	309.9
130°	277.6	277.1	276.8	276.3	275.9	275.7	275.5	275.1	274.9	274.7	273.5
132.5°	260.0	259.0	258.0	256.9	255.9	255.0	254.1	253.3	252.4	251.7	251.2
135°	250.1	248.5	247.1	245.7	244.2	243.0	241.6	240.3	239.2	237.9	238.1
137.5°	242.8	241.4	240.0	238.6	237.0	235.8	234.5	233.1	232.0	230.8	231.2
140°	239.5	238.0	236.6	235.2	233.8	232.5	231.2	229.9	228.7	227.6	227.8
142.5°	235.2	233.8	232.5	231.3	230.0	228.8	227.6	226.4	225.4	224.3	224.6
145°	231.8	230.8	229.8	228.8	228.0	227.1	226.1	225.4	224.6	223.9	223.9
147.5°	227.3	226.6	225.8	225.1	224.4	223.9	223.1	222.5	221.9	221.4	221.4
150°	221.8	221.4	220.8	220.4	219.9	219.5	219.1	218.7	218.3	218.0	217.9
152.5°	216.0	215.6	215.1	214.7	214.3	213.9	213.5	213.2	212.9	212.4	212.4
155°	209.3	209.2	208.9	208.7	208.5	208.3	208.2	208.2	207.9	207.8	207.8
157.5°	205.1	205.1	205.0	205.1	205.0	204.9	204.8	204.9	204.8	204.9	205.0
160°	202.7	202.6	202.5	202.4	202.2	202.1	202.0	201.9	201.8	201.8	201.9
162.5°	200.3	200.5	200.5	200.6	200.7	200.8	200.9	201.0	201.0	201.2	201.3
165°	200.1	200.0	200.0	199.8	199.8	199.8	199.8	199.7	199.7	199.8	200.0
167.5°	198.9	199.0	199.1	199.2	199.3	199.5	199.7	199.9	200.0	200.2	200.4
170°	199.5	199.5	199.5	199.5	199.5	199.6	199.6	199.6	199.7	199.8	199.9
172.5°	201.0	201.0	200.9	201.0	200.9	201.0	201.0	201.0	201.0	201.0	201.1
175°	201.0	201.2	201.3	201.5	201.6	201.7	201.8	201.9	202.0	202.1	202.1
177.5°	201.8	201.8	201.8	201.8	201.8	201.9	201.9	201.9	201.9	201.8	201.9
180°	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8



TEST NUMBER: P1444644
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL18

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°	20.3	22.2	22.7	24.5	25.1	27.1	27.8	29.7	30.4	32.5	33.3
92.5°	19.7	20.9	22.3	23.6	25.0	26.2	27.5	28.9	31.7	34.5	37.4
95°	27.4	29.0	30.5	32.1	33.6	35.1	36.6	38.1	42.3	46.4	50.6
97.5°	39.5	40.5	41.4	42.5	43.5	44.5	45.5	46.5	51.0	55.4	59.9
100°	51.0	51.8	52.6	53.5	54.3	55.1	55.9	56.7	65.4	74.1	82.6
102.5°	81.1	84.6	88.0	91.4	95.0	98.5	101.9	105.3	125.1	144.9	164.7
105°	152.7	162.1	171.6	181.0	190.4	199.9	209.3	218.8	250.4	282.1	313.9
107.5°	281.6	296.5	311.5	326.4	341.4	356.3	371.2	386.2	417.1	448.0	478.8
110°	430.2	444.4	458.7	472.9	487.2	501.4	515.6	529.9	548.4	566.9	585.5



TEST NUMBER: P1444644
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL18

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	536.5	543.3	550.3	557.2	564.2	571.1	578.1	585.0	594.2	603.5	612.7
115°	568.5	569.0	569.3	569.9	570.2	570.8	571.2	571.8	574.7	577.5	580.4
117.5°	541.2	537.4	533.6	529.8	526.0	522.3	518.5	514.8	514.1	513.5	512.9
120°	486.2	481.0	476.0	470.8	465.8	460.7	455.7	450.7	448.1	445.4	442.8
122.5°	420.2	415.0	410.0	404.8	399.8	394.8	389.9	384.9	383.0	381.1	379.3
125°	357.7	353.5	349.2	345.0	340.9	336.8	332.7	328.6	328.3	327.9	327.9
127.5°	307.4	304.7	302.1	299.6	297.0	294.5	292.1	289.6	290.6	291.5	292.4
130°	272.2	271.1	270.0	268.8	267.8	266.8	265.7	264.7	266.5	268.1	270.0
132.5°	251.0	250.8	250.6	250.3	250.2	250.1	250.1	250.0	252.0	254.1	256.1
135°	238.3	238.6	238.9	239.3	239.7	240.0	240.4	240.8	242.8	244.7	246.8
137.5°	231.7	232.1	232.7	233.1	233.7	234.3	235.0	235.5	237.1	238.6	240.2
140°	228.1	228.5	228.9	229.3	229.7	230.3	230.8	231.2	232.4	233.7	234.8
142.5°	224.9	225.2	225.6	226.1	226.5	226.9	227.4	227.9	228.8	229.6	230.4
145°	224.2	224.4	224.7	225.0	225.3	225.6	225.9	226.3	226.8	227.2	227.8
147.5°	221.5	221.6	221.8	222.0	222.3	222.4	222.6	222.8	223.1	223.3	223.8
150°	218.0	218.0	218.1	218.0	218.1	218.2	218.3	218.3	218.6	218.9	219.1
152.5°	212.5	212.5	212.5	212.4	212.5	212.6	212.6	212.7	213.0	213.2	213.5
155°	208.0	208.1	208.3	208.3	208.5	208.6	208.8	208.9	209.1	209.2	209.3
157.5°	205.1	205.1	205.3	205.4	205.6	205.7	205.8	205.9	206.1	206.2	206.3
160°	202.1	202.4	202.6	202.9	203.1	203.3	203.5	203.7	203.9	204.0	204.2
162.5°	201.5	201.6	201.8	201.8	201.9	202.1	202.2	202.4	202.6	202.8	203.0
165°	200.1	200.5	200.8	200.9	201.1	201.5	201.7	201.9	202.0	202.1	202.3
167.5°	200.6	200.8	201.0	201.3	201.6	201.8	202.0	202.2	202.3	202.4	202.6
170°	200.1	200.3	200.5	200.8	201.0	201.1	201.4	201.5	201.8	201.9	202.1
172.5°	201.3	201.4	201.6	201.8	201.9	202.1	202.3	202.5	202.6	202.8	202.9
175°	202.1	202.1	202.1	202.2	202.2	202.2	202.2	202.3	202.4	202.4	202.4
177.5°	202.0	202.2	202.3	202.4	202.5	202.6	202.7	202.8	202.8	202.8	202.8
180°	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8



TEST NUMBER: P1444644
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL18

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°	35.8	36.9	39.4	40.5	43.4	44.8	44.9	43.3	43.4	41.8	41.8
92.5°	40.2	43.0	45.9	48.7	51.6	54.4	51.8	49.2	46.5	43.9	41.3
95°	54.8	58.9	63.1	67.3	71.4	75.6	71.1	66.7	62.2	57.7	53.2
97.5°	64.3	68.9	73.3	77.8	82.3	86.7	81.5	76.2	70.8	65.7	60.4
100°	91.3	99.9	108.5	117.1	125.8	134.5	124.7	114.8	105.1	95.2	85.4
102.5°	184.6	204.4	224.2	244.1	263.9	283.6	262.7	241.9	221.0	200.1	179.2
105°	345.5	377.3	408.9	440.7	472.4	504.1	470.3	436.4	402.5	368.8	334.8
107.5°	509.7	540.7	571.7	602.5	633.4	664.3	630.0	595.6	561.3	527.0	492.6
110°	604.0	622.5	641.1	659.7	678.2	696.9	671.8	646.7	621.7	596.4	571.4



TEST NUMBER: P1444644
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL18

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	621.9	631.2	640.5	649.7	659.0	668.3	650.3	632.4	614.4	596.4	578.5
115°	583.3	586.2	589.1	592.0	594.9	597.9	585.7	573.5	561.4	549.3	537.1
117.5°	512.2	511.6	511.0	510.4	509.7	509.2	502.3	495.6	488.6	481.8	474.9
120°	440.2	437.6	435.1	432.5	429.8	427.2	424.3	421.2	418.3	415.4	412.2
122.5°	377.3	375.6	373.7	371.9	369.9	368.0	366.8	365.6	364.4	363.1	362.0
125°	327.7	327.4	327.1	327.0	326.7	326.4	325.8	325.1	324.4	323.7	322.9
127.5°	293.3	294.3	295.1	296.0	296.9	297.8	297.5	297.4	297.0	296.7	296.5
130°	271.7	273.4	275.1	276.9	278.5	280.3	279.8	279.4	278.8	278.4	277.9
132.5°	258.2	260.2	262.2	264.2	266.3	268.2	267.7	267.2	266.5	266.1	265.5
135°	248.6	250.6	252.5	254.5	256.3	258.2	257.5	256.9	256.1	255.6	255.0
137.5°	241.7	243.2	244.6	246.1	247.6	249.1	248.4	247.7	247.0	246.4	245.8
140°	236.0	237.2	238.3	239.5	240.7	241.9	241.1	240.3	239.4	238.6	237.8
142.5°	231.3	232.1	232.9	233.7	234.5	235.4	234.4	233.4	232.3	231.3	230.4
145°	228.4	228.8	229.4	229.9	230.4	230.9	229.6	228.6	227.3	226.2	225.1
147.5°	224.0	224.3	224.5	224.8	225.0	225.4	224.2	223.1	222.1	220.9	219.8
150°	219.3	219.8	219.9	220.1	220.4	220.6	219.4	218.3	217.2	216.0	215.0
152.5°	213.7	214.1	214.2	214.4	214.6	214.8	213.7	212.7	211.6	210.6	209.5
155°	209.4	209.6	209.7	209.8	209.9	210.0	209.1	208.3	207.4	206.5	205.6
157.5°	206.4	206.6	206.7	206.7	206.8	206.9	206.2	205.6	204.9	204.2	203.5
160°	204.2	204.3	204.4	204.5	204.6	204.7	204.1	203.5	203.0	202.4	201.8
162.5°	203.2	203.5	203.7	203.8	204.1	204.2	203.5	202.9	202.2	201.5	200.9
165°	202.4	202.5	202.6	202.6	202.7	202.8	202.3	201.8	201.4	201.0	200.4
167.5°	202.6	202.7	202.8	202.9	202.9	203.0	202.6	202.2	201.7	201.1	200.7
170°	202.3	202.6	202.7	202.8	203.0	203.1	202.7	202.4	201.9	201.7	201.2
172.5°	203.1	203.4	203.4	203.6	203.7	203.9	203.4	203.1	202.6	202.3	201.8
175°	202.4	202.5	202.6	202.6	202.6	202.6	202.3	201.9	201.7	201.3	201.0
177.5°	202.8	202.8	202.8	202.8	202.8	202.8	202.6	202.4	202.2	202.0	201.7
180°	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8



TEST NUMBER: P1444644
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL18

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°	40.2	40.5	38.9	39.1	38.3	39.2	38.8	39.7	38.9	39.6	38.6
92.5°	38.7	36.0	33.4	30.7	29.4	28.0	26.9	25.4	24.1	22.7	21.5
95°	48.7	44.3	39.8	35.4	33.9	32.3	30.8	29.3	27.7	26.2	24.7
97.5°	55.2	49.8	44.6	39.3	38.0	36.6	35.3	34.0	32.6	31.3	30.0
100°	75.5	65.7	55.8	46.0	44.8	43.8	42.6	41.5	40.4	39.2	38.1
102.5°	158.4	137.4	116.6	95.6	91.7	87.7	83.8	79.8	75.7	71.8	67.9
105°	301.0	267.2	233.2	199.3	188.6	177.8	167.1	156.3	145.5	134.7	124.0
107.5°	458.2	423.8	389.5	355.1	335.2	315.4	295.4	275.5	255.7	235.8	215.8
110°	546.3	521.1	496.0	470.9	454.9	438.9	422.8	406.8	390.9	374.8	358.8



TEST NUMBER: P1444644
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL18

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	560.5	542.4	524.5	506.4	499.2	491.9	484.7	477.4	470.1	462.8	455.5
115°	524.9	512.8	500.6	488.3	485.7	483.2	480.6	477.9	475.3	472.7	470.0
117.5°	468.1	461.2	454.3	447.4	447.7	448.2	448.5	449.0	449.2	449.6	449.8
120°	409.3	406.4	403.2	400.3	402.4	404.6	406.7	408.8	410.9	413.0	414.9
122.5°	360.7	359.5	358.2	356.9	359.5	362.2	364.7	367.1	369.7	372.1	374.5
125°	322.3	321.5	320.8	320.1	322.7	325.4	327.9	330.3	333.0	335.4	337.8
127.5°	296.2	295.9	295.7	295.3	297.2	298.9	300.8	302.5	304.1	305.7	307.5
130°	277.5	277.0	276.5	276.1	277.7	279.3	280.9	282.4	284.0	285.4	286.9
132.5°	264.9	264.3	263.8	263.2	264.3	265.5	266.6	267.5	268.7	269.6	270.5
135°	254.3	253.5	252.9	252.3	253.3	254.3	255.3	256.2	257.2	258.0	258.9
137.5°	245.2	244.4	243.7	243.0	244.0	244.9	245.8	246.6	247.4	248.2	248.9
140°	237.0	236.2	235.4	234.6	235.4	236.2	237.0	237.8	238.5	239.1	239.8
142.5°	229.3	228.1	227.3	226.2	226.8	227.3	227.9	228.3	228.9	229.3	229.7
145°	223.9	222.7	221.5	220.4	220.7	221.2	221.6	222.1	222.4	222.8	223.1
147.5°	218.8	217.6	216.5	215.4	215.7	216.0	216.4	216.5	216.9	217.1	217.3
150°	213.8	212.6	211.6	210.3	210.6	210.8	211.1	211.4	211.6	211.7	212.0
152.5°	208.4	207.4	206.3	205.1	205.3	205.6	205.8	205.9	206.2	206.4	206.5
155°	204.7	203.7	202.8	201.9	202.1	202.3	202.6	202.6	202.7	202.9	203.1
157.5°	202.8	202.0	201.4	200.6	200.7	200.7	200.8	200.7	200.9	200.9	200.9
160°	201.2	200.6	200.0	199.3	199.3	199.3	199.4	199.4	199.4	199.3	199.4
162.5°	200.1	199.4	198.7	198.0	198.0	198.0	198.1	198.0	198.1	198.1	198.0
165°	199.9	199.4	198.9	198.3	198.3	198.2	198.2	198.0	197.9	197.8	197.7
167.5°	200.1	199.6	199.2	198.5	198.6	198.6	198.6	198.6	198.8	198.7	198.7
170°	200.9	200.3	200.0	199.5	199.4	199.4	199.3	199.3	199.2	199.1	199.0
172.5°	201.5	201.0	200.7	200.1	200.1	200.1	200.1	200.0	199.9	199.8	199.8
175°	200.7	200.4	200.0	199.7	199.6	199.6	199.6	199.5	199.4	199.4	199.3
177.5°	201.5	201.3	201.0	200.9	200.8	200.8	200.8	200.7	200.7	200.7	200.7
180°	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8



TEST NUMBER: P1444644
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL18

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°	39.2	38.1
92.5°	20.2	19.0
95°	23.2	21.7
97.5°	28.7	27.4
100°	37.0	35.8
102.5°	63.9	60.0
105°	113.3	102.5
107.5°	196.0	176.1
110°	342.7	326.7



TEST NUMBER: P1444644
CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL18

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	448.2	440.8
115°	467.4	464.7
117.5°	450.2	450.5
120°	416.9	418.9
122.5°	377.0	379.4
125°	340.2	342.6
127.5°	309.0	310.6
130°	288.1	289.5
132.5°	271.4	272.2
135°	259.6	260.3
137.5°	249.5	250.1
140°	240.3	240.9
142.5°	230.1	230.4
145°	223.4	223.6
147.5°	217.3	217.5
150°	212.1	212.2
152.5°	206.7	206.7
155°	203.1	203.2
157.5°	200.8	200.7
160°	199.3	199.3
162.5°	198.0	197.9
165°	197.5	197.4
167.5°	198.6	198.6
170°	198.9	198.8
172.5°	199.7	199.6
175°	199.3	199.3
177.5°	200.7	200.6
180°	201.8	201.8

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

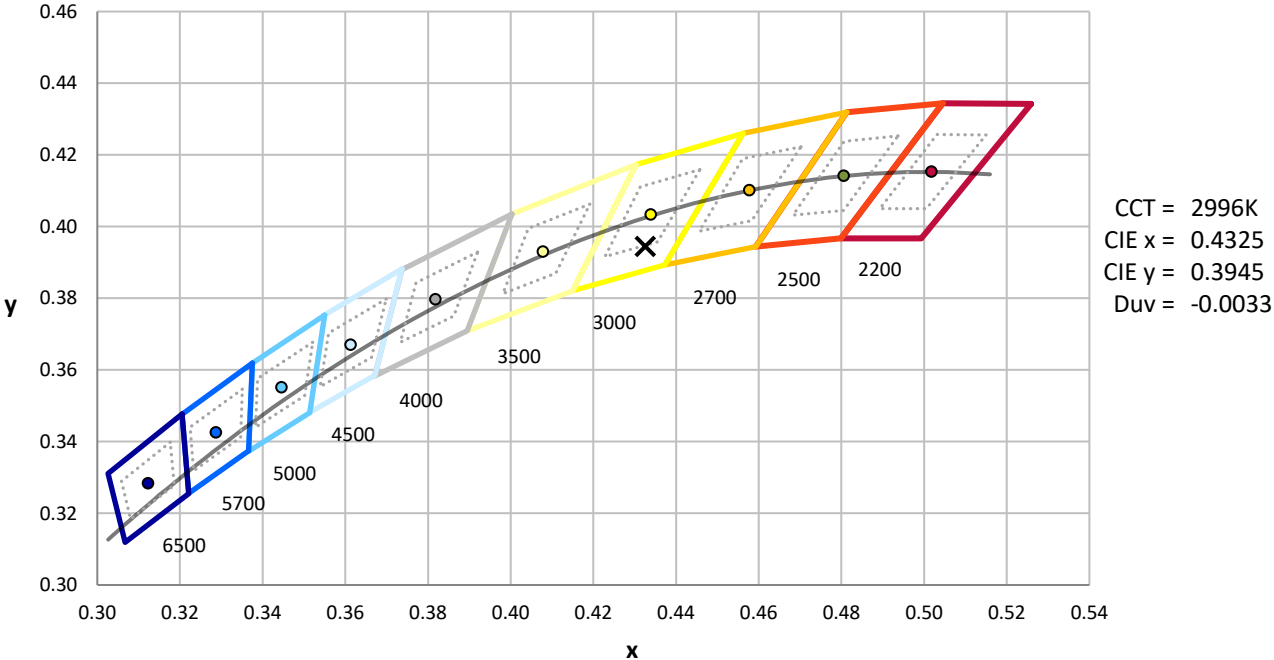
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208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



CCT = 2996K
 CIE x = 0.4325
 CIE y = 0.3945
 Duv = -0.0033

Point lies inside the ANSI 3000K 7-step quadrangle

REPORT NUMBER: SP1-2506-472-5

Photopic Flux vs. Wavelength

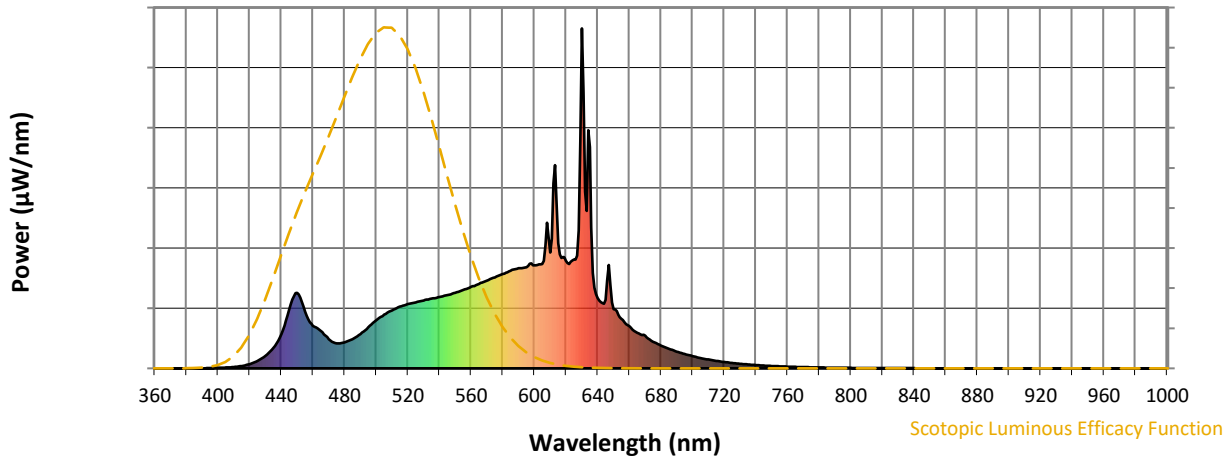


Photopic Lumens: NR

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

REPORT NUMBER: SP1-2506-472-5

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.44

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

REPORT NUMBER: SP1-2506-472-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.85

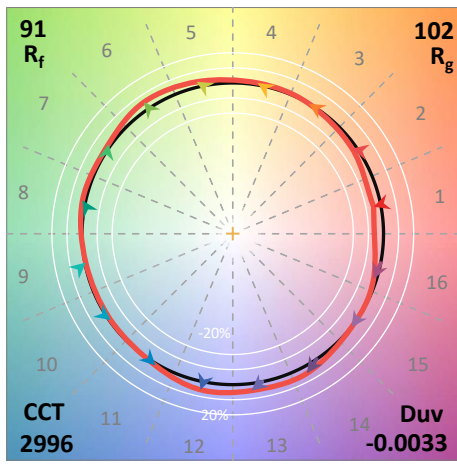
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	101	NR	620	317	NR	750	7	NR	880	0	NR
365	0	NR	495	121	NR	625	320	NR	755	6	NR	885	0	NR
370	0	NR	500	141	NR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

Summary

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

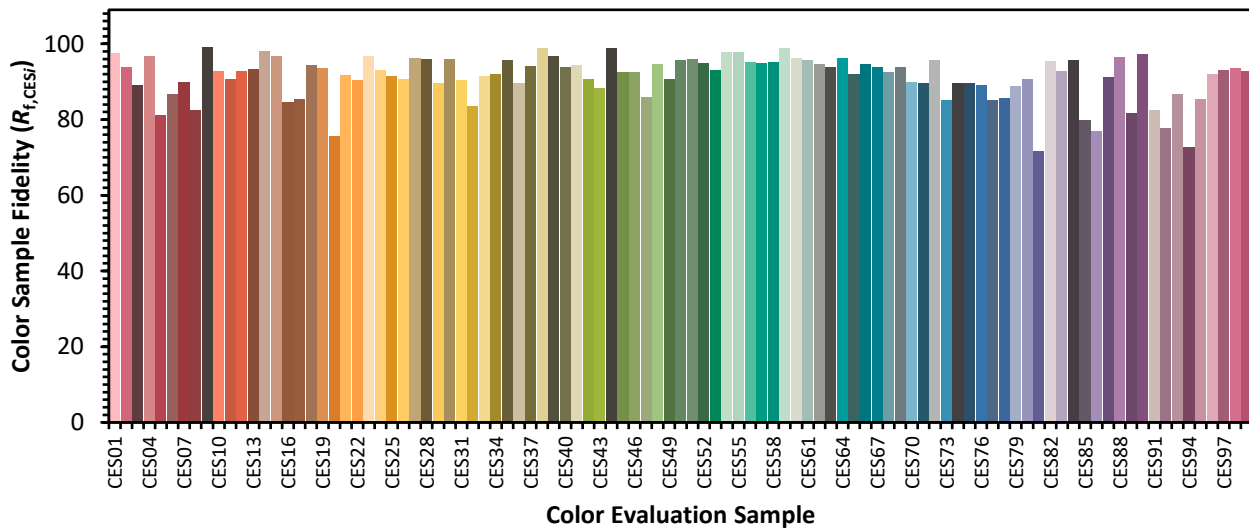


Color Vector Graphics

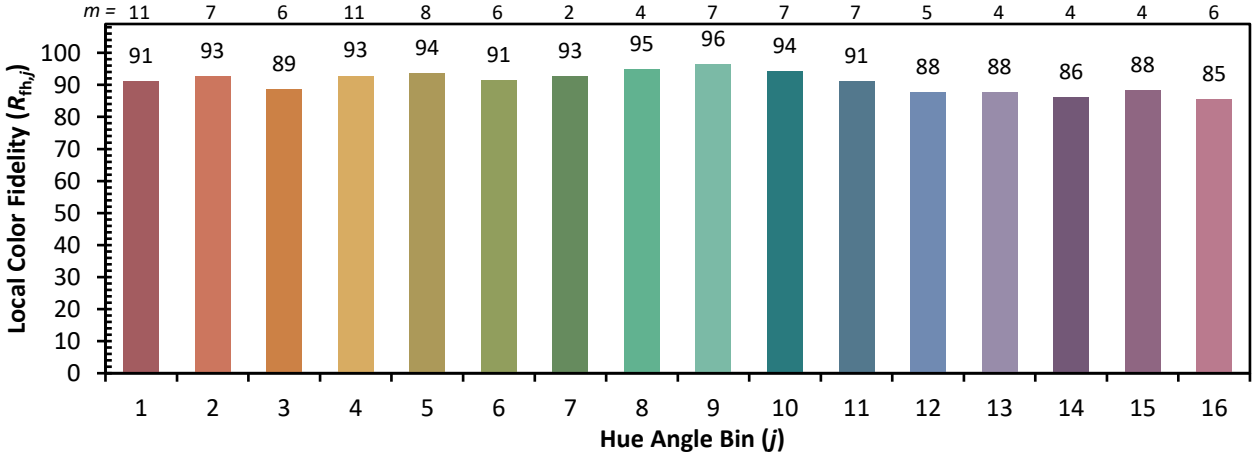


Individual Sample Fidelity Index ($R_{f,i}$)

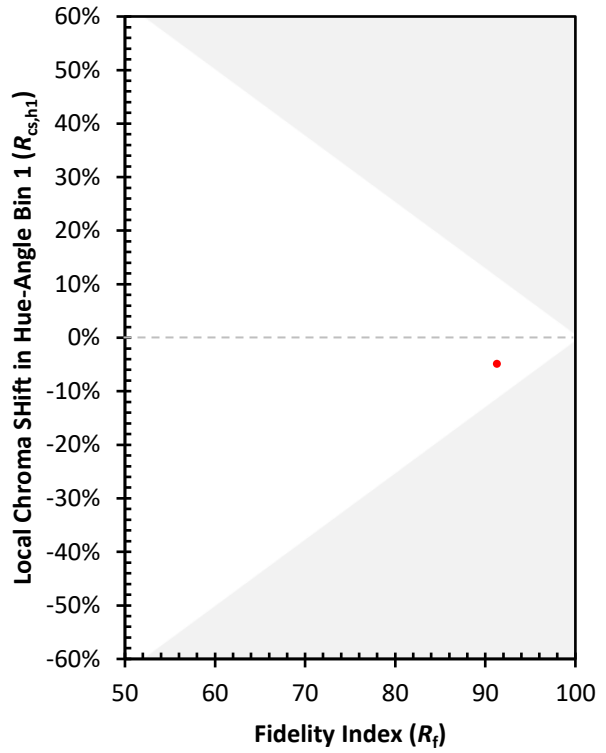
CES01 = 86	CES26 = 91	CES51 = 96	CES76 = 89
CES02 = 63	CES27 = 96	CES52 = 95	CES77 = 85
CES03 = 32	CES28 = 96	CES53 = 93	CES78 = 86
CES04 = 70	CES29 = 90	CES54 = 98	CES79 = 89
CES05 = 51	CES30 = 96	CES55 = 98	CES80 = 91
CES06 = 51	CES31 = 90	CES56 = 95	CES81 = 72
CES07 = 44	CES32 = 84	CES57 = 95	CES82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



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)