

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: P1444648

Luminaire Tested: EHBR1-12-UNV-TA-L930-UPL40

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444648
REPORT IS A COMBINATION OF REPORTS P1444354 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-UPL40
Description: Elevate Round Highbay at, 12000 lumens, 3000K 90CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

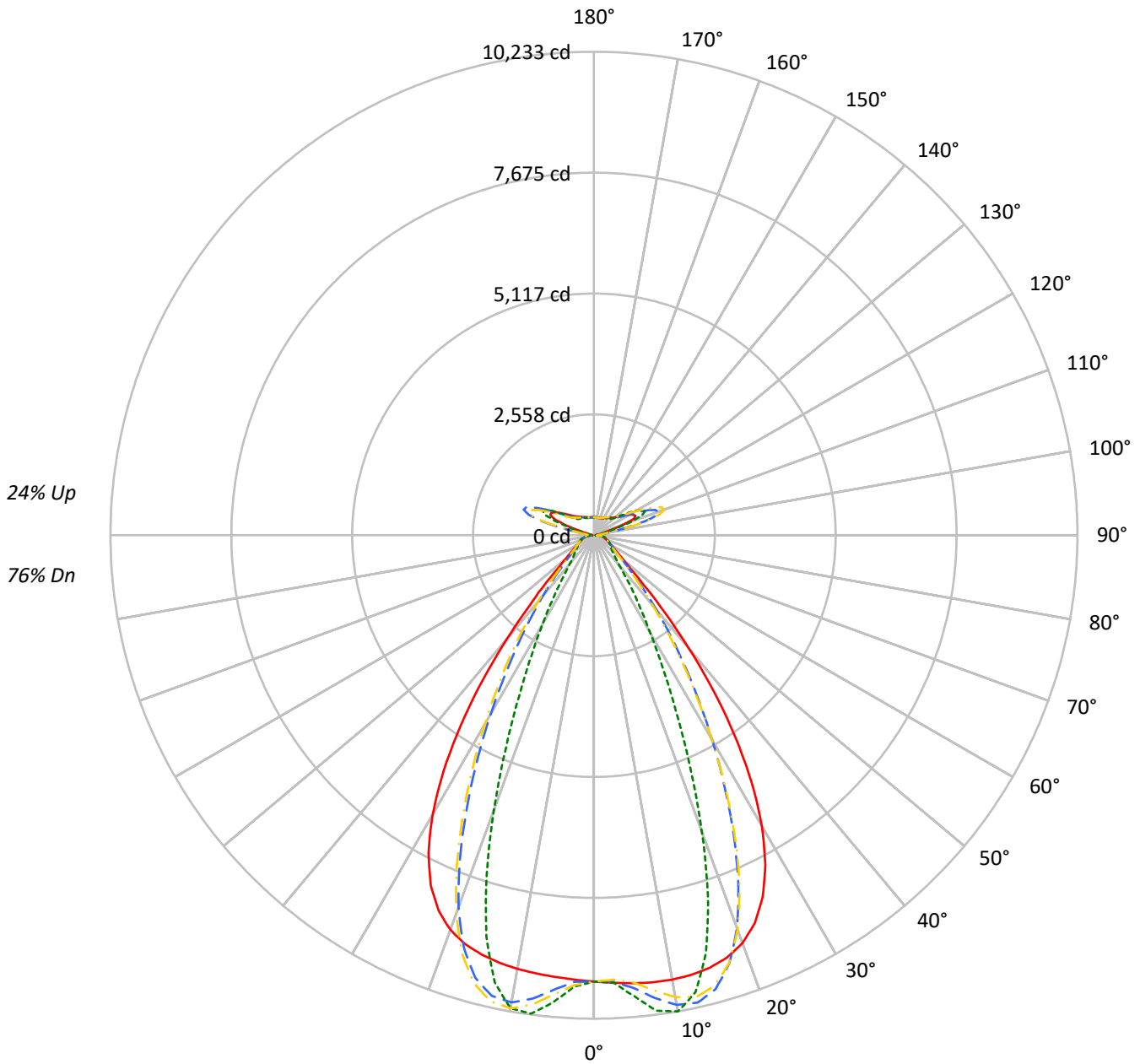
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14392.8 lumens
Efficiency: N/A
Efficacy: 151.0 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): 95.3
Input Voltage (V): NR
Input Current (A_{in}): 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: P1444648
CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL40

Luminous Intensity Polar Plot



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



TEST NUMBER: P1444648
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL40

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	113	113	113	113	108	108	108	108	98	98	98	88	88	88	80	80	80	80	80	80	76
1	106	102	99	96	101	98	95	92	89	87	85	81	80	78	74	73	72	74	73	72	68
2	99	93	88	83	94	89	84	81	82	78	75	75	72	70	69	67	65	69	67	65	62
3	92	85	78	74	88	81	76	71	75	71	67	69	66	63	64	61	59	64	61	59	56
4	86	77	71	66	83	75	69	64	69	64	61	64	60	57	60	57	54	60	57	54	52
5	81	71	64	59	78	69	63	58	64	59	55	60	56	53	56	53	50	56	53	50	48
6	76	66	59	54	73	64	57	53	60	54	51	56	52	48	52	49	46	52	49	46	44
7	72	61	54	49	69	59	53	48	56	50	47	52	48	45	49	46	43	49	46	43	41
8	68	57	50	46	65	55	49	45	52	47	43	49	45	41	46	43	40	46	43	40	38
9	64	53	47	42	61	52	46	41	49	44	40	46	42	39	44	40	37	44	40	37	36
10	60	50	43	39	58	48	43	39	46	41	37	44	39	36	41	38	35	41	38	35	33

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



TEST NUMBER: P1444648
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL40

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	930.9	6.5
10°-20°	2618.8	18.2
20°-30°	2982.6	20.7
30°-40°	2143.7	14.9
40°-50°	988.7	6.9
50°-60°	473.1	3.3
60°-70°	345.2	2.4
70°-80°	262.3	1.8
80°-90°	125.4	0.9
90°-100°	94.9	0.7
100°-110°	605.3	4.2
110°-120°	1119.5	7.8
120°-130°	669.2	4.6
130°-140°	409.8	2.8
140°-150°	287.7	2.0
150°-160°	190.0	1.3
160°-170°	109.4	0.8
170°-180°	36.4	0.3
0°-30°	6532.3	45.4
0°-40°	8676.0	60.3
0°-60°	10137.8	70.4
0°-90°	10870.7	75.5
90°-120°	1819.7	12.6
90°-150°	3186.4	22.1
90°-180°	3522.0	24.5
0°-180°	14392.8	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°	51	60	29	31	51	29
95°	44	50	44	50	44	42
105°	212	279	139	279	212	283
115°	970	1190	1016	1190	970	894
125°	707	764	804	764	707	644
135°	526	487	569	488	526	411
145°	442	447	473	448	442	280
155°	394	405	424	406	394	184
165°	377	382	393	383	377	107
175°	377	382	384	382	377	36
180°	381	381	381	381	381	



TEST NUMBER: P1444648
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL40

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°	51.2	54.3	56.2	59.6	61.6	64.7	66.6	70.0	71.9	75.3	78.9
92.5°	38.1	40.8	43.5	46.4	49.2	52.2	55.1	58.0	60.8	63.7	69.3
95°	43.8	47.1	50.3	53.5	56.7	59.8	63.0	66.2	69.4	72.6	82.0
97.5°	55.5	58.3	61.0	63.8	66.6	69.4	72.2	74.9	77.7	80.5	91.6
100°	73.1	75.4	77.8	80.1	82.4	84.8	87.2	89.5	91.9	94.2	114.9
102.5°	123.4	131.7	140.1	148.4	156.7	165.0	173.3	181.6	190.0	198.3	242.1
105°	212.3	234.8	257.5	280.0	302.6	325.3	347.9	370.4	393.0	415.6	486.9
107.5°	366.4	408.1	449.9	491.8	533.6	575.4	617.2	659.1	700.8	742.6	814.9
110°	682.2	715.8	749.4	783.1	816.8	850.5	884.2	917.8	951.5	985.2	1038.0



TEST NUMBER: P1444648
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL40

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	921.2	936.4	951.8	967.1	982.4	997.7	1013.0	1028.2	1043.6	1058.9	1096.7
115°	970.2	975.6	981.1	986.6	992.1	997.6	1003.1	1008.5	1014.0	1019.4	1045.1
117.5°	938.8	938.0	937.4	936.6	935.8	935.1	934.4	933.5	932.8	932.0	946.6
120°	871.0	866.6	862.3	857.8	853.4	849.1	844.7	840.3	835.8	831.3	837.8
122.5°	786.2	780.9	775.7	770.4	765.1	759.8	754.5	749.1	743.8	738.5	741.3
125°	707.1	701.9	696.6	691.3	685.9	680.7	675.3	670.0	664.5	659.2	661.0
127.5°	637.8	634.2	630.7	627.0	623.4	619.7	616.0	612.4	608.7	605.0	605.8
130°	591.6	588.4	585.3	582.1	578.9	575.6	572.4	569.1	565.9	562.5	563.7
132.5°	553.0	551.0	548.9	546.7	544.6	542.3	540.2	537.8	535.7	533.4	534.8
135°	526.1	524.3	522.4	520.3	518.4	516.4	514.4	512.2	510.3	508.1	509.8
137.5°	502.9	501.2	499.5	497.8	496.0	494.1	492.4	490.6	488.7	486.8	488.4
140°	481.5	480.1	478.5	476.9	475.4	473.8	472.2	470.6	468.9	467.3	469.2
142.5°	458.0	457.0	456.0	454.7	453.8	452.5	451.4	450.1	449.0	447.7	450.0
145°	442.1	441.3	440.5	439.5	438.6	437.6	436.7	435.7	434.7	433.8	436.2
147.5°	428.0	427.4	426.8	426.1	425.5	424.7	424.0	423.3	422.6	421.8	424.1
150°	415.6	415.0	414.5	413.8	413.1	412.4	411.7	411.1	410.4	409.6	412.0
152.5°	403.1	402.4	401.9	401.3	400.7	399.9	399.3	398.6	397.9	397.2	399.2
155°	394.5	393.9	393.3	392.7	392.1	391.4	390.7	390.1	389.4	388.7	390.5
157.5°	388.0	387.6	387.3	386.8	386.4	386.0	385.5	385.1	384.6	384.3	385.5
160°	383.5	383.2	382.7	382.4	381.9	381.5	381.1	380.7	380.2	379.9	381.0
162.5°	379.2	378.8	378.4	378.0	377.6	377.1	376.7	376.3	375.9	375.4	376.8
165°	376.7	376.5	376.3	376.1	376.0	375.8	375.6	375.4	375.3	375.1	376.0
167.5°	377.9	377.6	377.2	376.9	376.4	376.1	375.7	375.3	375.0	374.5	375.5
170°	377.0	376.9	376.8	376.7	376.5	376.4	376.3	376.1	376.0	375.9	376.7
172.5°	377.8	377.7	377.6	377.6	377.4	377.3	377.2	377.1	377.0	377.0	377.8
175°	376.6	376.4	376.4	376.3	376.2	376.2	376.1	376.1	376.1	376.0	376.5
177.5°	378.8	378.7	378.7	378.7	378.7	378.7	378.6	378.6	378.6	378.6	379.0
180°	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1



TEST NUMBER: P1444648
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL40

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°	83.7	87.3	92.1	94.9	99.0	101.7	94.7	96.4	93.1	91.2	87.5
92.5°	74.9	80.6	86.2	91.8	97.4	103.1	107.6	112.8	106.9	100.9	95.1
95°	91.4	100.8	110.1	119.6	128.9	138.3	147.8	157.1	148.4	139.6	130.8
97.5°	102.7	113.8	124.8	136.0	147.0	158.2	169.2	180.4	171.0	161.5	152.1
100°	135.6	156.3	176.9	197.7	218.3	239.0	259.8	280.4	262.3	244.1	225.9
102.5°	286.1	330.1	374.0	417.9	461.8	505.8	549.7	593.7	552.1	510.4	468.7
105°	558.1	629.3	700.6	771.7	842.9	914.2	985.5	1056.7	990.1	923.5	856.9
107.5°	887.1	959.4	1031.7	1103.9	1176.2	1248.5	1320.8	1393.2	1328.2	1263.3	1198.4
110°	1090.8	1143.6	1196.4	1249.3	1302.1	1354.9	1408.0	1460.8	1421.9	1383.0	1344.1



TEST NUMBER: P1444648
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL40

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	1134.5	1172.6	1210.4	1248.2	1286.0	1324.0	1362.2	1400.1	1380.7	1361.4	1342.1
115°	1070.8	1096.5	1122.2	1147.8	1173.5	1199.2	1225.1	1251.0	1245.0	1239.1	1233.2
117.5°	961.1	975.7	990.3	1004.8	1019.3	1033.9	1049.0	1063.6	1065.1	1066.6	1068.2
120°	844.2	850.7	857.1	863.5	869.8	876.3	883.3	889.8	895.6	901.3	907.1
122.5°	744.0	746.9	749.5	752.4	755.1	757.8	761.2	764.2	768.3	772.7	776.9
125°	662.6	664.3	665.9	667.6	669.2	670.9	673.3	675.1	676.0	676.7	677.6
127.5°	606.6	607.5	608.2	609.1	609.8	610.6	612.2	613.2	611.7	610.1	608.5
130°	565.0	566.1	567.3	568.5	569.8	570.9	573.0	574.4	571.1	567.8	564.5
132.5°	536.2	537.6	539.0	540.5	541.8	543.2	545.6	547.2	543.3	539.4	535.5
135°	511.3	513.0	514.5	516.2	517.8	519.5	522.1	524.0	520.3	516.6	512.9
137.5°	489.9	491.6	493.2	494.9	496.5	498.1	500.9	502.9	500.0	497.1	494.3
140°	471.0	472.8	474.6	476.5	478.3	480.2	483.3	485.4	483.3	481.0	478.8
142.5°	452.2	454.5	456.8	459.1	461.4	463.7	467.3	469.9	468.5	466.9	465.4
145°	438.6	441.2	443.7	446.4	448.9	451.5	455.4	458.2	457.4	456.6	455.7
147.5°	426.3	428.6	431.0	433.3	435.7	438.2	441.9	444.7	444.3	443.9	443.5
150°	414.1	416.5	418.8	421.2	423.6	426.1	430.2	433.0	432.6	432.3	431.9
152.5°	401.5	403.5	405.6	407.9	410.0	412.2	416.7	419.4	419.0	418.6	418.3
155°	392.1	393.9	395.6	397.4	399.1	400.9	405.1	407.5	407.4	407.3	407.2
157.5°	386.8	388.1	389.3	390.8	392.1	393.4	397.4	399.5	399.4	399.2	399.1
160°	382.0	383.1	384.2	385.3	386.4	387.6	391.6	393.3	393.3	393.1	393.0
162.5°	378.1	379.4	380.7	382.0	383.5	384.7	388.9	390.9	390.7	390.3	390.1
165°	376.9	377.8	378.6	379.5	380.4	381.4	385.0	386.6	386.5	386.4	386.3
167.5°	376.4	377.4	378.3	379.2	380.2	381.1	384.5	386.1	386.0	386.0	385.9
170°	377.3	378.1	378.8	379.6	380.3	381.2	384.0	385.2	385.1	384.7	384.4
172.5°	378.5	379.4	380.1	380.9	381.6	382.5	384.9	386.2	386.0	385.7	385.3
175°	377.1	377.7	378.3	379.0	379.5	380.2	382.1	383.0	382.9	382.9	382.8
177.5°	379.4	379.7	380.2	380.6	381.1	381.4	382.7	383.3	383.3	383.3	383.2
180°	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1



TEST NUMBER: P1444648
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL40

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°	85.0	81.4	79.6	76.6	75.4	72.6	71.8	69.3	68.7	66.9	66.7
92.5°	88.9	83.0	76.9	71.0	65.0	59.2	56.2	53.6	50.7	48.1	45.1
95°	122.1	113.3	104.5	95.8	87.1	78.3	75.1	71.9	68.7	65.5	62.4
97.5°	142.8	133.3	124.0	114.5	105.1	95.7	93.6	91.4	89.3	87.2	85.0
100°	207.8	189.6	171.5	153.3	135.2	117.0	115.3	113.6	111.9	110.2	108.5
102.5°	427.1	385.5	343.9	302.3	260.7	219.0	211.7	204.4	197.2	189.9	182.7
105°	790.3	723.7	657.1	590.5	523.9	457.3	437.5	417.6	397.7	377.8	358.1
107.5°	1133.4	1068.6	1003.7	938.7	873.9	808.9	777.5	746.2	714.7	683.3	652.0
110°	1305.2	1266.2	1227.4	1188.4	1149.6	1110.7	1080.8	1050.9	1021.0	991.1	961.2



TEST NUMBER: P1444648
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL40

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	1322.7	1303.4	1284.1	1264.8	1245.5	1226.2	1211.6	1197.1	1182.6	1168.0	1153.4
115°	1227.3	1221.4	1215.4	1209.5	1203.8	1197.8	1196.9	1196.0	1195.0	1194.2	1193.2
117.5°	1069.6	1071.1	1072.7	1074.4	1075.9	1077.4	1085.4	1093.4	1101.4	1109.5	1117.5
120°	912.8	918.6	924.4	930.2	935.9	941.7	952.4	963.1	973.9	984.7	995.7
122.5°	781.1	785.4	789.5	793.8	798.1	802.3	813.0	823.8	834.5	845.2	856.1
125°	678.3	679.1	679.9	680.7	681.5	682.3	691.3	700.2	709.2	718.3	727.3
127.5°	607.0	605.3	603.7	602.1	600.4	598.9	604.5	610.0	615.5	621.1	626.6
130°	561.2	557.9	554.6	551.3	548.0	544.7	547.2	549.7	552.1	554.7	557.3
132.5°	531.5	527.6	523.5	519.5	515.6	511.7	512.2	512.8	513.4	513.9	514.6
135°	509.1	505.5	501.7	497.9	494.1	490.5	489.9	489.4	489.0	488.4	488.0
137.5°	491.5	488.5	485.6	482.8	479.9	477.0	476.0	475.2	474.2	473.4	472.4
140°	476.7	474.4	472.2	470.0	467.8	465.6	464.8	464.1	463.4	462.8	462.1
142.5°	463.8	462.2	460.7	459.2	457.6	456.1	455.4	454.7	454.0	453.4	452.7
145°	454.9	453.9	453.1	452.3	451.4	450.6	450.0	449.6	449.1	448.7	448.3
147.5°	443.2	442.6	442.3	441.9	441.4	441.0	440.8	440.6	440.3	440.2	440.0
150°	431.5	431.0	430.7	430.3	429.9	429.5	429.4	429.5	429.5	429.6	429.6
152.5°	417.9	417.5	417.1	416.8	416.3	415.9	415.9	416.1	416.1	416.2	416.2
155°	407.0	406.9	406.7	406.5	406.4	406.2	406.1	405.9	405.7	405.6	405.4
157.5°	399.1	398.9	398.7	398.6	398.4	398.3	398.1	398.0	397.8	397.7	397.5
160°	392.8	392.7	392.5	392.5	392.3	392.2	391.8	391.4	391.1	390.8	390.3
162.5°	389.6	389.2	388.9	388.6	388.2	387.9	387.7	387.6	387.4	387.3	387.1
165°	386.1	386.0	385.9	385.7	385.6	385.5	385.2	384.7	384.4	384.1	383.6
167.5°	385.7	385.6	385.4	385.3	385.2	385.1	384.8	384.3	384.0	383.6	383.3
170°	384.2	383.7	383.5	383.2	382.8	382.5	382.2	381.9	381.5	381.1	380.8
172.5°	385.2	384.8	384.5	384.3	383.9	383.6	383.4	383.0	382.7	382.4	382.1
175°	382.7	382.7	382.7	382.6	382.6	382.5	382.4	382.4	382.3	382.3	382.2
177.5°	383.2	383.2	383.2	383.1	383.1	383.1	382.8	382.6	382.4	382.1	381.9
180°	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1



TEST NUMBER: P1444648
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL40

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°	64.6	63.9	61.0	59.5	60.2	62.2	62.1	63.3	62.3	63.1	62.4
92.5°	42.4	39.6	36.8	34.0	37.0	39.6	42.5	45.1	48.0	50.7	53.6
95°	59.2	56.0	52.8	49.5	52.1	54.6	57.2	59.8	62.3	64.9	67.5
97.5°	82.9	80.7	78.6	76.5	78.0	79.5	80.9	82.4	83.9	85.5	87.0
100°	106.8	105.1	103.4	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7
102.5°	175.4	168.2	160.9	153.6	158.5	163.4	168.3	173.2	178.2	183.1	188.1
105°	338.2	318.3	298.5	278.7	297.8	317.1	336.2	355.5	374.6	394.0	413.1
107.5°	620.7	589.3	557.9	526.6	561.6	596.5	631.6	666.6	701.5	736.5	771.6
110°	931.3	901.5	871.6	841.8	878.9	916.0	953.2	990.2	1027.4	1064.5	1101.7



TEST NUMBER: P1444648
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL40

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	1138.9	1124.4	1109.9	1095.4	1119.3	1143.2	1167.0	1191.0	1215.0	1239.0	1262.8
115°	1192.4	1191.5	1190.7	1189.8	1201.2	1212.5	1223.8	1235.1	1246.4	1257.8	1269.2
117.5°	1125.5	1133.6	1141.7	1149.8	1153.5	1157.1	1160.7	1164.4	1168.1	1171.8	1175.4
120°	1006.5	1017.2	1028.1	1039.0	1037.5	1035.9	1034.5	1033.0	1031.7	1030.2	1028.9
122.5°	866.9	877.7	888.6	899.4	896.2	893.0	889.8	886.6	883.6	880.4	877.3
125°	736.4	745.5	754.6	763.8	760.6	757.4	754.2	751.1	747.9	744.8	741.8
127.5°	632.4	638.1	643.8	649.5	647.9	646.4	645.1	643.7	642.2	640.8	639.6
130°	560.0	562.7	565.3	568.0	568.5	568.9	569.3	569.9	570.5	571.0	571.6
132.5°	515.3	516.1	516.8	517.6	519.3	521.0	522.8	524.6	526.5	528.3	530.3
135°	487.6	487.3	486.9	486.7	489.2	491.8	494.3	497.0	499.8	502.5	505.3
137.5°	471.6	470.8	470.1	469.4	471.9	474.4	477.1	479.7	482.4	485.1	488.0
140°	461.4	460.9	460.5	459.8	462.4	465.0	467.5	470.2	472.9	475.7	478.4
142.5°	452.1	451.5	451.0	450.5	452.8	455.2	457.6	459.9	462.5	464.9	467.4
145°	447.9	447.5	447.2	446.9	448.5	450.2	452.1	453.9	455.6	457.4	459.4
147.5°	439.9	439.7	439.6	439.5	440.8	442.1	443.3	444.6	446.0	447.4	448.8
150°	429.8	429.8	429.9	430.1	430.9	431.7	432.6	433.4	434.3	435.1	436.2
152.5°	416.3	416.3	416.6	416.7	417.5	418.3	419.2	419.9	420.9	421.7	422.7
155°	405.4	405.2	405.1	405.0	405.4	405.8	406.2	406.5	407.0	407.4	407.8
157.5°	397.4	397.3	397.3	397.1	397.2	397.4	397.5	397.7	397.9	398.1	398.3
160°	390.1	389.8	389.3	389.1	389.4	389.8	390.1	390.4	390.9	391.2	391.5
162.5°	387.0	386.8	386.8	386.6	386.6	386.4	386.3	386.2	386.1	386.0	386.0
165°	383.4	383.0	382.7	382.3	382.4	382.6	382.7	382.7	382.9	383.0	383.1
167.5°	382.9	382.6	382.2	381.9	381.7	381.2	381.1	380.7	380.4	380.2	380.0
170°	380.4	380.2	379.8	379.5	379.4	379.4	379.4	379.2	379.2	379.2	379.2
172.5°	381.8	381.5	381.1	380.9	380.8	380.8	380.7	380.7	380.6	380.6	380.6
175°	382.1	382.1	382.0	381.9	381.8	381.5	381.3	381.1	380.9	380.6	380.4
177.5°	381.7	381.4	381.1	381.0	381.0	381.0	381.0	381.0	381.0	380.9	380.9
180°	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1



TEST NUMBER: P1444648
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL40

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°	63.6	63.3	66.0	67.5	70.5	72.0	75.5	77.5	81.1	83.1	86.8
92.5°	56.2	59.0	64.2	69.3	74.4	79.5	84.7	89.8	94.9	100.1	105.2
95°	70.0	72.5	79.4	86.2	93.0	99.9	106.8	113.6	120.5	127.3	134.1
97.5°	88.5	90.0	96.9	103.6	110.5	117.4	124.1	131.1	137.9	144.7	151.6
100°	101.7	101.8	121.2	140.6	160.0	179.4	198.8	218.2	237.7	257.1	276.5
102.5°	193.0	197.9	247.0	296.0	345.1	394.2	443.3	492.4	541.5	590.6	639.7
105°	432.4	451.5	526.4	601.4	676.3	751.2	826.1	901.1	976.0	1051.0	1125.9
107.5°	806.6	841.6	909.3	977.0	1044.6	1112.3	1180.0	1247.6	1315.3	1383.0	1450.8
110°	1138.8	1175.9	1221.3	1266.5	1311.8	1357.1	1402.4	1447.7	1493.0	1538.3	1583.7



TEST NUMBER: P1444648
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL40

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	1286.7	1310.7	1337.0	1363.3	1389.6	1415.9	1442.3	1468.6	1495.1	1521.4	1547.8
115°	1280.5	1291.9	1302.0	1312.1	1322.3	1332.3	1342.6	1352.7	1363.0	1373.1	1383.3
117.5°	1179.2	1182.9	1184.2	1185.7	1187.1	1188.5	1190.0	1191.5	1192.9	1194.5	1195.8
120°	1027.4	1026.0	1024.0	1022.0	1020.1	1018.1	1016.2	1014.3	1012.3	1010.5	1008.6
122.5°	874.2	871.2	869.1	867.3	865.3	863.4	861.6	859.8	857.9	856.0	854.2
125°	738.8	735.7	736.8	737.9	739.0	740.2	741.2	742.5	743.7	744.7	746.0
127.5°	638.2	637.0	640.4	643.9	647.4	650.9	654.4	657.9	661.4	665.0	668.4
130°	572.3	572.9	577.5	582.1	586.6	591.3	595.8	600.4	605.0	609.6	614.3
132.5°	532.2	534.2	538.4	542.9	547.2	551.7	556.1	560.5	564.8	569.3	573.6
135°	508.0	510.9	514.9	518.7	522.7	526.8	530.7	534.7	538.6	542.6	546.5
137.5°	490.7	493.5	496.6	499.7	502.7	505.9	509.0	512.1	515.2	518.3	521.3
140°	481.1	484.1	485.5	487.2	488.7	490.3	491.9	493.5	494.9	496.6	498.1
142.5°	470.0	472.6	473.4	474.4	475.2	476.2	477.1	478.0	478.9	479.8	480.7
145°	461.2	463.1	462.9	462.7	462.5	462.3	462.1	461.9	461.6	461.4	461.2
147.5°	450.2	451.6	451.1	450.7	450.2	449.7	449.2	448.8	448.2	447.7	447.3
150°	437.0	438.1	437.3	436.7	435.9	435.1	434.3	433.6	432.8	432.2	431.4
152.5°	423.5	424.4	423.6	422.8	422.0	421.3	420.4	419.7	418.9	418.1	417.4
155°	408.2	408.7	408.2	407.9	407.5	407.1	406.6	406.3	406.0	405.6	405.2
157.5°	398.4	398.6	398.4	398.2	397.9	397.7	397.5	397.3	397.2	397.0	396.9
160°	391.8	392.3	392.0	391.7	391.6	391.3	391.1	390.9	390.9	390.7	390.6
162.5°	386.0	385.9	385.7	385.4	385.2	385.1	384.9	384.8	384.6	384.4	384.3
165°	383.4	383.5	383.0	382.7	382.3	381.9	381.5	381.1	380.9	380.5	380.2
167.5°	379.6	379.4	379.4	379.5	379.5	379.5	379.6	379.7	379.8	379.9	380.0
170°	379.1	379.2	378.9	378.7	378.6	378.4	378.1	378.0	377.9	377.7	377.6
172.5°	380.6	380.6	380.2	379.7	379.4	378.9	378.5	378.1	377.8	377.3	376.9
175°	380.2	380.0	379.8	379.5	379.4	379.0	378.8	378.6	378.4	378.1	377.9
177.5°	380.9	380.8	380.7	380.7	380.7	380.7	380.7	380.6	380.6	380.6	380.5
180°	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1



TEST NUMBER: P1444648
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL40

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°	81.6	78.1	72.9	69.4	64.3	60.2	54.8	50.9	45.7	44.1	41.5
92.5°	99.4	93.7	88.0	82.1	76.5	70.7	64.9	59.2	53.4	51.3	49.5
95°	125.8	117.5	109.2	100.8	92.5	84.1	75.8	67.5	59.2	57.5	55.8
97.5°	141.8	132.0	122.2	112.4	102.5	92.7	83.0	73.2	63.4	62.3	61.2
100°	253.9	231.3	208.8	186.2	163.5	140.9	118.4	95.8	73.2	71.9	70.6
102.5°	584.9	530.1	475.3	420.5	365.7	310.9	256.1	201.2	146.5	138.6	130.7
105°	1043.0	959.9	877.1	794.1	711.1	628.1	545.2	462.1	379.3	352.6	326.0
107.5°	1372.7	1294.7	1216.7	1138.7	1060.6	982.7	904.6	826.5	748.5	701.6	654.6
110°	1521.6	1459.7	1397.8	1335.7	1273.8	1211.8	1149.7	1087.7	1025.7	985.2	944.8



TEST NUMBER: P1444648
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL40

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	1502.3	1456.7	1411.2	1365.7	1320.1	1274.5	1229.1	1183.4	1137.9	1113.2	1088.5
115°	1355.8	1328.2	1300.6	1273.0	1245.4	1217.7	1190.2	1162.5	1134.9	1121.8	1108.6
117.5°	1181.6	1167.2	1153.0	1138.6	1124.3	1109.9	1095.7	1081.2	1066.9	1062.1	1057.3
120°	1004.0	999.2	994.5	989.9	985.2	980.4	975.7	971.0	966.3	966.4	966.6
122.5°	855.3	856.4	857.5	858.5	859.7	860.7	861.8	862.8	863.9	866.8	869.8
125°	749.4	752.9	756.4	759.9	763.2	766.6	770.1	773.5	777.0	779.9	783.0
127.5°	672.5	676.3	680.3	684.1	688.0	692.0	695.9	699.6	703.6	706.1	708.9
130°	617.6	620.9	624.2	627.4	630.7	634.0	637.3	640.5	643.8	645.6	647.4
132.5°	576.5	579.4	582.3	585.0	588.0	590.8	593.7	596.5	599.5	600.6	601.8
135°	548.6	550.5	552.5	554.5	556.6	558.5	560.5	562.6	564.5	565.1	565.7
137.5°	522.9	524.4	526.0	527.6	529.2	530.8	532.4	534.0	535.6	535.4	535.4
140°	499.9	501.7	503.3	505.1	506.9	508.7	510.4	512.2	514.1	514.0	513.9
142.5°	481.9	483.2	484.5	485.8	487.1	488.3	489.7	491.1	492.4	492.4	492.3
145°	462.9	464.5	466.2	467.8	469.5	471.2	473.1	474.8	476.7	476.3	476.0
147.5°	448.6	450.1	451.5	453.0	454.6	456.0	457.5	459.1	460.7	460.4	460.1
150°	433.1	434.7	436.2	437.9	439.6	441.4	443.0	444.8	446.6	446.7	446.7
152.5°	419.2	421.0	422.8	424.6	426.6	428.5	430.5	432.4	434.3	434.4	434.5
155°	407.0	408.8	410.6	412.5	414.5	416.3	418.3	420.2	422.1	422.4	422.7
157.5°	398.5	400.1	401.7	403.4	405.1	406.8	408.5	410.2	411.9	412.2	412.3
160°	392.0	393.4	394.9	396.3	397.8	399.2	400.7	402.2	403.6	403.9	404.0
162.5°	385.8	387.3	388.7	390.1	391.6	393.0	394.4	395.9	397.4	397.5	397.8
165°	381.2	382.1	383.2	384.1	385.2	386.1	387.2	388.1	389.2	389.5	390.0
167.5°	380.8	381.4	382.2	382.9	383.8	384.5	385.3	386.0	386.8	387.2	387.6
170°	378.3	379.0	379.6	380.4	381.2	381.9	382.7	383.4	384.2	384.4	384.9
172.5°	377.4	377.8	378.3	378.8	379.3	379.8	380.2	380.8	381.3	381.9	382.3
175°	378.1	378.4	378.6	378.9	379.1	379.4	379.6	380.0	380.2	380.7	381.1
177.5°	380.7	381.0	381.1	381.3	381.7	381.9	382.1	382.4	382.6	383.2	383.8
180°	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1



TEST NUMBER: P1444648
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL40

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°	40.1	37.7	36.2	33.8	32.3	30.3	28.9	30.1	31.5	32.8	34.2
92.5°	47.6	45.7	43.8	41.9	39.9	38.1	36.1	38.1	39.9	41.9	43.8
95°	54.1	52.4	50.6	48.9	47.2	45.5	43.8	45.5	47.2	49.0	50.7
97.5°	60.2	59.1	58.0	56.9	55.9	54.8	53.7	54.8	55.9	56.9	58.0
100°	69.3	68.1	66.7	65.5	64.3	62.9	61.7	63.0	64.3	65.6	66.8
102.5°	122.8	115.0	107.0	99.2	91.3	83.4	75.5	83.4	91.3	99.3	107.1
105°	299.2	272.6	246.0	219.3	192.6	165.9	139.3	166.0	192.7	219.4	246.0
107.5°	607.8	560.9	513.9	467.0	420.1	373.1	326.2	373.2	420.2	467.0	514.0
110°	904.2	863.7	823.2	782.8	742.2	701.7	661.1	701.7	742.2	782.8	823.3



TEST NUMBER: P1444648
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL40

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	1063.8	1039.2	1014.4	989.7	965.0	940.3	915.6	940.3	965.1	989.9	1014.6
115°	1095.5	1082.3	1069.2	1056.0	1042.8	1029.6	1016.4	1029.7	1043.0	1056.2	1069.5
117.5°	1052.5	1047.7	1042.9	1038.1	1033.3	1028.5	1023.6	1028.6	1033.5	1038.4	1043.3
120°	966.7	966.9	967.1	967.2	967.3	967.4	967.5	967.5	967.5	967.5	967.5
122.5°	872.8	875.7	878.7	881.6	884.5	887.5	890.2	887.6	884.8	882.1	879.3
125°	785.9	789.0	792.0	795.0	797.8	800.9	803.6	801.0	798.3	795.5	792.7
127.5°	711.4	714.0	716.6	719.2	721.6	724.2	726.6	724.4	722.0	719.7	717.4
130°	649.1	651.0	652.7	654.5	656.1	657.8	659.4	658.0	656.5	655.2	653.5
132.5°	602.9	604.1	605.3	606.3	607.4	608.5	609.5	608.6	607.8	607.0	606.1
135°	566.2	566.8	567.3	567.8	568.3	568.7	569.0	569.0	568.7	568.5	568.2
137.5°	535.3	535.2	535.1	535.0	534.8	534.5	534.2	534.8	535.2	535.8	536.1
140°	513.8	513.8	513.7	513.5	513.5	513.2	512.9	513.5	513.9	514.3	514.6
142.5°	492.3	492.2	492.1	491.9	491.8	491.6	491.3	491.8	492.3	492.6	493.0
145°	475.8	475.5	475.1	474.8	474.4	473.9	473.4	474.2	474.8	475.4	476.0
147.5°	459.7	459.5	459.0	458.7	458.2	457.9	457.3	458.0	458.7	459.3	459.9
150°	446.9	447.0	447.0	447.1	447.1	447.0	446.9	447.2	447.5	447.7	447.9
152.5°	434.5	434.6	434.6	434.6	434.7	434.5	434.4	434.8	435.1	435.4	435.6
155°	422.8	423.1	423.3	423.5	423.6	423.8	424.0	424.1	424.2	424.3	424.4
157.5°	412.5	412.8	413.0	413.1	413.3	413.5	413.7	413.8	413.9	414.1	414.1
160°	404.2	404.5	404.6	404.8	405.0	405.2	405.3	405.5	405.6	405.7	405.8
162.5°	398.0	398.2	398.3	398.5	398.6	398.8	399.0	399.1	399.3	399.4	399.5
165°	390.3	390.8	391.1	391.6	391.9	392.4	392.6	392.6	392.5	392.5	392.3
167.5°	387.9	388.4	388.6	389.1	389.3	389.8	390.1	390.1	389.9	389.8	389.7
170°	385.2	385.5	385.9	386.2	386.6	386.9	387.2	387.1	386.9	386.9	386.8
172.5°	382.7	383.4	383.9	384.4	384.9	385.4	386.0	385.7	385.2	385.0	384.5
175°	381.6	382.1	382.6	383.1	383.5	384.0	384.5	384.1	383.8	383.5	383.1
177.5°	384.6	385.3	386.0	386.6	387.3	387.9	388.6	388.0	387.4	386.8	386.1
180°	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1



TEST NUMBER: P1444648
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL40

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°	35.6	37.1	38.3	39.8	41.4	45.2	48.9	52.7	56.6	60.4	64.3
92.5°	45.7	47.6	49.5	51.4	53.4	59.2	64.9	70.7	76.5	82.2	88.0
95°	52.5	54.2	55.9	57.7	59.3	67.6	76.0	84.3	92.7	101.0	109.3
97.5°	59.2	60.2	61.3	62.4	63.4	73.3	83.1	92.9	102.7	112.6	122.4
100°	68.2	69.4	70.7	72.1	73.3	96.0	118.6	141.2	163.8	186.3	209.0
102.5°	115.0	122.9	130.8	138.8	146.7	201.5	256.4	311.2	365.9	420.8	475.6
105°	272.7	299.3	326.2	352.8	379.4	462.4	545.5	628.4	711.4	794.4	877.4
107.5°	561.0	607.9	654.9	701.9	748.8	826.9	904.9	983.0	1061.1	1139.1	1217.0
110°	863.9	904.3	945.0	985.5	1026.1	1088.1	1150.1	1212.2	1274.2	1336.3	1398.3



TEST NUMBER: P1444648
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL40

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	1039.4	1064.1	1088.8	1113.6	1138.3	1183.9	1229.6	1275.1	1320.8	1366.3	1411.8
115°	1082.6	1095.8	1109.0	1122.2	1135.4	1163.1	1190.8	1218.5	1246.1	1273.7	1301.4
117.5°	1048.2	1053.1	1057.9	1062.7	1067.5	1081.9	1096.4	1110.7	1125.2	1139.6	1153.9
120°	967.5	967.4	967.3	967.2	967.1	971.8	976.7	981.4	986.1	990.9	995.7
122.5°	876.3	873.5	870.6	867.7	864.9	863.8	862.8	861.7	860.8	859.7	858.7
125°	789.7	786.9	783.9	781.1	778.1	774.8	771.4	767.9	764.5	761.2	757.7
127.5°	714.9	712.4	710.0	707.4	704.9	701.0	697.2	693.3	689.5	685.6	681.7
130°	652.0	650.3	648.7	646.9	645.3	641.9	638.8	635.5	632.3	629.1	625.8
132.5°	605.2	604.2	603.1	602.1	601.0	598.1	595.4	592.5	589.7	586.8	584.1
135°	567.9	567.5	567.1	566.7	566.2	564.3	562.3	560.3	558.5	556.4	554.5
137.5°	536.4	536.6	536.9	537.1	537.4	535.8	534.2	532.7	531.2	529.7	528.1
140°	515.0	515.3	515.5	515.7	516.0	514.2	512.5	510.8	509.1	507.3	505.5
142.5°	493.3	493.7	493.9	494.1	494.4	493.1	491.8	490.6	489.3	488.1	486.8
145°	476.6	477.1	477.7	478.0	478.5	476.8	475.2	473.6	471.9	470.3	468.7
147.5°	460.6	461.1	461.6	462.1	462.7	461.3	459.8	458.4	457.1	455.6	454.3
150°	448.2	448.2	448.4	448.6	448.7	447.1	445.5	444.0	442.5	440.8	439.2
152.5°	435.9	436.0	436.2	436.4	436.6	434.9	433.1	431.4	429.6	427.7	426.1
155°	424.4	424.4	424.4	424.4	424.4	422.8	421.1	419.4	417.7	415.9	414.2
157.5°	414.2	414.3	414.4	414.4	414.5	413.0	411.4	410.0	408.5	406.9	405.4
160°	405.9	406.0	406.1	406.2	406.2	404.9	403.7	402.3	401.2	399.8	398.5
162.5°	399.6	399.8	399.8	399.9	399.9	398.7	397.4	396.1	394.9	393.5	392.3
165°	392.2	392.0	391.9	391.7	391.6	390.7	390.0	389.1	388.3	387.3	386.5
167.5°	389.6	389.3	389.2	389.1	389.0	388.4	387.8	387.1	386.5	385.8	385.2
170°	386.7	386.4	386.3	386.1	386.0	385.3	384.8	384.2	383.6	382.8	382.2
172.5°	384.3	383.8	383.5	383.2	382.7	382.3	381.9	381.5	381.1	380.7	380.2
175°	382.7	382.3	381.9	381.6	381.1	381.1	380.8	380.6	380.3	380.2	379.9
177.5°	385.5	385.0	384.3	383.6	383.1	382.9	382.7	382.5	382.4	382.1	381.9
180°	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1



TEST NUMBER: P1444648
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL40

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°	68.1	74.7	78.4	75.3	71.3	68.1	64.2	61.0	57.2	54.2	50.3
92.5°	93.7	99.5	105.2	100.1	95.0	89.8	84.7	79.6	74.5	69.3	64.3
95°	117.6	125.9	134.2	127.3	120.5	113.6	106.8	100.0	93.1	86.3	79.5
97.5°	132.2	141.9	151.7	144.8	138.0	131.1	124.2	117.5	110.6	103.7	97.0
100°	231.5	254.1	276.6	257.2	237.8	218.4	199.0	179.5	160.0	140.7	121.3
102.5°	530.3	585.1	639.8	590.7	541.7	492.5	443.4	394.4	345.3	296.1	247.1
105°	960.3	1043.2	1126.0	1051.1	976.2	901.2	826.3	751.3	676.4	601.4	526.5
107.5°	1295.2	1373.0	1450.9	1383.1	1315.5	1247.8	1180.0	1112.5	1044.8	977.0	909.4
110°	1460.3	1522.0	1583.9	1538.5	1493.3	1447.8	1402.6	1357.2	1311.9	1266.7	1221.4



TEST NUMBER: P1444648
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL40

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	1457.4	1502.6	1548.0	1521.5	1495.2	1468.9	1442.5	1416.1	1389.8	1363.4	1337.2
115°	1329.0	1356.1	1383.6	1373.3	1363.2	1352.9	1342.8	1332.6	1322.5	1312.3	1302.2
117.5°	1168.2	1182.0	1196.3	1194.8	1193.2	1191.7	1190.3	1188.8	1187.4	1185.9	1184.5
120°	1000.4	1004.5	1009.0	1010.8	1012.8	1014.7	1016.6	1018.5	1020.4	1022.3	1024.3
122.5°	857.6	855.9	854.6	856.5	858.3	860.1	862.1	863.8	865.7	867.6	869.6
125°	754.3	750.1	746.4	745.3	744.2	742.9	741.8	740.6	739.5	738.3	737.2
127.5°	677.9	673.3	669.1	665.6	662.0	658.5	655.0	651.5	648.0	644.5	641.0
130°	622.5	618.5	615.0	610.3	605.8	601.1	596.5	592.0	587.3	582.8	578.2
132.5°	581.3	577.5	574.4	570.1	565.7	561.3	556.9	552.5	548.1	543.7	539.3
135°	552.5	549.6	547.3	543.3	539.6	535.6	531.6	527.6	523.7	519.7	515.9
137.5°	526.6	523.9	522.2	519.2	516.1	513.0	510.1	506.9	503.9	500.6	497.7
140°	503.9	501.0	499.0	497.6	496.0	494.5	493.0	491.4	489.9	488.3	486.7
142.5°	485.6	483.1	481.6	480.8	480.0	479.0	478.3	477.4	476.5	475.5	474.7
145°	467.0	464.0	462.1	462.3	462.7	462.9	463.1	463.4	463.7	463.8	464.1
147.5°	452.9	449.9	448.2	448.8	449.3	449.8	450.4	450.8	451.4	451.9	452.4
150°	437.6	434.3	432.3	433.1	433.8	434.6	435.4	436.2	436.9	437.7	438.4
152.5°	424.3	420.4	418.1	418.9	419.7	420.5	421.3	422.1	422.9	423.8	424.6
155°	412.4	408.3	406.0	406.4	406.7	407.1	407.4	407.9	408.3	408.7	409.2
157.5°	403.9	399.9	397.7	397.7	398.0	398.1	398.3	398.5	398.8	399.0	399.3
160°	397.3	393.3	391.4	391.4	391.7	391.7	391.9	392.1	392.4	392.5	392.8
162.5°	390.9	387.1	385.2	385.2	385.4	385.5	385.7	385.8	386.0	386.1	386.4
165°	385.5	382.5	381.0	381.2	381.6	381.9	382.2	382.7	383.0	383.4	383.8
167.5°	384.5	381.9	380.7	380.6	380.4	380.3	380.3	380.2	380.2	380.2	380.2
170°	381.5	379.4	378.3	378.4	378.6	378.7	378.8	379.1	379.2	379.4	379.6
172.5°	379.8	378.2	377.5	377.8	378.3	378.6	379.1	379.4	379.9	380.2	380.7
175°	379.7	378.7	378.5	378.6	378.8	379.0	379.3	379.4	379.7	379.9	380.2
177.5°	381.8	381.3	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1
180°	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1



TEST NUMBER: P1444648
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL40

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°	47.4	45.1	43.7	41.3	40.1	37.6	36.6	34.3	33.5	30.9	34.2
92.5°	59.1	56.3	53.6	50.8	48.0	45.2	42.4	39.7	36.9	34.1	36.9
95°	72.6	70.0	67.5	65.0	62.4	59.9	57.3	54.7	52.2	49.6	52.8
97.5°	90.1	88.6	87.1	85.6	84.1	82.6	81.1	79.7	78.2	76.6	78.8
100°	101.9	101.9	101.9	101.9	101.8	101.8	101.8	101.8	101.8	101.8	103.5
102.5°	198.0	193.1	188.2	183.2	178.3	173.3	168.4	163.5	158.6	153.7	160.9
105°	451.6	432.5	413.2	394.1	374.7	355.6	336.3	317.2	297.9	278.7	298.6
107.5°	841.8	806.7	771.7	736.7	701.6	666.7	631.6	596.6	561.7	526.7	558.0
110°	1176.0	1138.9	1101.8	1064.6	1027.5	990.3	953.3	916.1	879.0	841.9	871.7



TEST NUMBER: P1444648
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL40

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	1310.8	1286.8	1262.9	1239.0	1215.1	1191.1	1167.2	1143.3	1119.4	1095.6	1110.1
115°	1292.0	1280.7	1269.2	1257.9	1246.5	1235.3	1223.9	1212.6	1201.3	1189.9	1190.8
117.5°	1183.1	1179.3	1175.6	1171.9	1168.3	1164.5	1160.9	1157.3	1153.6	1150.0	1141.9
120°	1026.3	1027.7	1029.0	1030.4	1031.9	1033.4	1034.7	1036.1	1037.6	1039.2	1028.3
122.5°	871.4	874.5	877.6	880.7	883.7	887.0	890.1	893.3	896.5	899.7	888.8
125°	736.1	739.1	742.1	745.3	748.3	751.4	754.6	757.8	760.9	764.2	755.1
127.5°	637.5	638.9	640.1	641.4	642.7	644.2	645.6	647.0	648.5	650.1	644.3
130°	573.6	572.9	572.3	571.8	571.0	570.6	570.1	569.6	569.2	568.7	566.1
132.5°	535.0	533.0	531.1	529.1	527.2	525.4	523.6	521.9	520.1	518.5	517.6
135°	511.9	509.0	506.2	503.5	500.6	498.1	495.3	492.8	490.2	487.6	487.9
137.5°	494.6	491.8	489.1	486.3	483.4	480.9	478.2	475.5	473.0	470.5	471.2
140°	485.2	482.4	479.5	476.8	474.2	471.4	468.7	466.2	463.6	461.2	461.6
142.5°	473.8	471.3	468.7	466.2	463.7	461.3	458.8	456.5	454.1	451.9	452.4
145°	464.4	462.5	460.6	458.7	456.9	455.2	453.3	451.6	449.9	448.3	448.5
147.5°	452.9	451.5	450.0	448.7	447.4	446.0	444.7	443.4	442.1	440.9	441.0
150°	439.2	438.4	437.4	436.5	435.6	434.7	433.9	433.0	432.2	431.4	431.2
152.5°	425.4	424.5	423.6	422.8	422.0	421.1	420.3	419.5	418.7	417.9	417.8
155°	409.7	409.2	408.8	408.4	408.0	407.6	407.2	407.0	406.5	406.2	406.2
157.5°	399.5	399.3	399.1	399.1	398.8	398.7	398.4	398.4	398.2	398.2	398.3
160°	393.1	392.7	392.3	392.1	391.7	391.3	390.9	390.8	390.4	390.1	390.3
162.5°	386.6	386.8	386.8	386.8	386.9	387.0	387.1	387.2	387.3	387.5	387.6
165°	384.3	384.1	383.9	383.7	383.6	383.5	383.4	383.3	383.1	383.1	383.4
167.5°	380.2	380.3	380.6	380.8	381.0	381.3	381.6	381.9	382.1	382.5	382.7
170°	379.7	379.7	379.7	379.7	379.7	379.8	379.8	379.8	379.9	380.0	380.2
172.5°	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.2	381.4
175°	380.3	380.6	380.9	381.1	381.2	381.5	381.7	381.9	382.1	382.3	382.3
177.5°	381.1	381.1	381.1	381.1	381.1	381.2	381.2	381.2	381.2	381.1	381.3
180°	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1



TEST NUMBER: P1444648
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL40

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°	35.6	38.7	40.3	43.2	44.9	48.0	49.8	52.8	55.0	58.5	60.9
92.5°	39.7	42.4	45.2	48.0	50.8	53.6	56.3	59.1	65.1	70.9	77.0
95°	56.1	59.3	62.5	65.6	68.8	72.0	75.2	78.4	87.2	95.9	104.6
97.5°	80.9	83.1	85.2	87.3	89.5	91.6	93.7	95.9	105.2	114.7	124.0
100°	105.2	106.8	108.5	110.3	112.0	113.7	115.4	117.1	135.4	153.5	171.6
102.5°	168.2	175.5	182.8	190.0	197.4	204.6	211.9	219.1	260.7	302.4	344.0
105°	318.4	338.3	358.2	378.0	397.9	417.8	437.5	457.4	524.0	590.6	657.2
107.5°	589.4	620.8	652.1	683.5	714.9	746.2	777.6	809.1	873.9	938.9	1003.8
110°	901.6	931.4	961.3	991.3	1021.2	1051.0	1080.9	1110.8	1149.7	1188.6	1227.5



TEST NUMBER: P1444648
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL40

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	1124.6	1139.1	1153.6	1168.2	1182.7	1197.2	1211.8	1226.4	1245.7	1265.0	1284.3
115°	1191.7	1192.6	1193.4	1194.4	1195.2	1196.2	1197.1	1198.0	1204.0	1209.8	1215.8
117.5°	1133.8	1125.8	1117.7	1109.7	1101.7	1093.7	1085.7	1077.7	1076.1	1074.6	1073.0
120°	1017.6	1006.7	995.9	985.0	974.3	963.5	952.8	942.1	936.3	930.5	924.8
122.5°	878.0	867.2	856.5	845.6	834.8	824.1	813.5	802.8	798.6	794.3	790.2
125°	745.9	736.9	727.8	718.7	709.8	700.8	691.9	683.0	682.2	681.3	680.6
127.5°	638.7	633.0	627.4	621.8	616.2	610.7	605.3	599.7	601.3	602.9	604.5
130°	563.4	560.7	558.2	555.4	553.0	550.5	548.1	545.6	548.9	552.1	555.6
132.5°	516.9	516.2	515.6	514.9	514.4	513.8	513.3	512.8	516.8	520.6	524.6
135°	488.3	488.6	489.1	489.5	490.1	490.5	491.1	491.6	495.4	499.0	502.9
137.5°	472.0	472.7	473.6	474.5	475.4	476.3	477.3	478.2	481.1	484.0	486.8
140°	462.2	462.7	463.4	464.0	464.7	465.4	466.2	466.8	469.1	471.2	473.5
142.5°	453.0	453.4	454.1	454.7	455.5	456.0	456.7	457.4	458.9	460.5	462.1
145°	449.0	449.2	449.7	450.0	450.5	450.9	451.4	451.8	452.7	453.4	454.3
147.5°	441.1	441.2	441.4	441.6	441.8	442.0	442.2	442.4	442.7	443.2	443.6
150°	431.1	431.0	431.0	430.9	430.9	430.9	430.9	430.8	431.1	431.6	431.9
152.5°	417.7	417.6	417.4	417.3	417.2	417.2	417.1	417.1	417.4	417.9	418.2
155°	406.4	406.4	406.6	406.7	406.9	407.0	407.2	407.3	407.4	407.5	407.7
157.5°	398.3	398.4	398.6	398.7	398.9	399.0	399.1	399.2	399.4	399.5	399.6
160°	390.7	391.0	391.3	391.7	392.0	392.3	392.7	393.0	393.2	393.3	393.4
162.5°	387.7	387.8	388.0	388.1	388.2	388.4	388.4	388.6	389.0	389.3	389.6
165°	383.7	384.1	384.4	384.7	385.1	385.4	385.8	386.1	386.2	386.3	386.5
167.5°	383.1	383.4	383.8	384.1	384.5	384.8	385.2	385.5	385.6	385.7	385.9
170°	380.6	380.9	381.2	381.5	381.9	382.1	382.6	382.7	383.1	383.5	383.7
172.5°	381.8	381.9	382.3	382.5	382.8	383.1	383.5	383.7	384.0	384.3	384.5
175°	382.3	382.3	382.3	382.4	382.4	382.4	382.4	382.5	382.6	382.6	382.6
177.5°	381.6	381.8	381.9	382.2	382.4	382.6	382.8	383.0	383.0	383.0	383.0
180°	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1



TEST NUMBER: P1444648
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL40

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°	64.8	67.4	71.3	73.9	78.2	81.1	79.5	76.2	74.6	71.3	69.8
92.5°	82.9	89.0	95.0	101.0	106.9	112.9	107.4	101.9	96.2	90.7	85.2
95°	113.4	122.2	130.9	139.6	148.4	157.1	147.8	138.3	128.9	119.6	110.1
97.5°	133.4	142.8	152.2	161.6	171.0	180.4	169.2	158.2	147.0	136.1	124.9
100°	189.7	207.9	226.0	244.2	262.4	280.5	259.9	239.1	218.5	197.8	177.1
102.5°	385.7	427.2	468.8	510.5	552.1	593.8	549.8	506.0	462.0	418.0	374.1
105°	723.8	790.4	857.0	923.7	990.2	1056.9	985.7	914.5	843.2	772.0	700.8
107.5°	1068.7	1133.5	1198.6	1263.5	1328.4	1393.4	1321.1	1248.8	1176.6	1104.3	1032.0
110°	1266.4	1305.3	1344.3	1383.1	1422.1	1461.1	1408.3	1355.4	1302.7	1249.7	1196.9



TEST NUMBER: P1444648
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL40

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	1303.6	1323.0	1342.2	1361.7	1380.9	1400.3	1362.5	1324.7	1286.6	1248.8	1211.0
115°	1221.8	1227.5	1233.5	1239.5	1245.4	1251.3	1225.6	1200.0	1174.3	1148.6	1122.9
117.5°	1071.5	1070.1	1068.6	1067.1	1065.4	1064.0	1049.5	1035.0	1020.3	1005.7	991.1
120°	919.1	913.2	907.5	901.8	896.0	890.3	883.9	877.5	871.0	864.6	858.1
122.5°	785.9	781.7	777.5	773.3	769.0	764.8	761.9	759.3	756.4	753.6	750.8
125°	679.9	679.0	678.2	677.4	676.6	675.8	674.1	672.5	670.8	669.1	667.3
127.5°	606.1	607.8	609.3	610.9	612.5	614.0	613.1	612.4	611.5	610.7	609.8
130°	558.8	562.2	565.4	568.8	571.9	575.3	574.1	572.8	571.6	570.3	569.1
132.5°	528.6	532.5	536.4	540.4	544.2	548.1	546.7	545.3	543.8	542.4	540.9
135°	506.5	510.3	513.9	517.8	521.3	525.0	523.3	521.7	519.9	518.4	516.7
137.5°	489.7	492.6	495.4	498.1	501.0	503.9	502.1	500.5	498.8	497.2	495.5
140°	475.6	477.8	479.9	482.2	484.2	486.5	484.5	482.6	480.7	478.8	476.9
142.5°	463.5	465.1	466.5	468.0	469.5	471.1	468.7	466.3	463.9	461.6	459.3
145°	455.2	456.1	456.9	457.8	458.5	459.4	456.7	454.2	451.5	449.0	446.3
147.5°	444.0	444.4	444.7	445.0	445.4	445.8	443.3	440.9	438.5	436.0	433.6
150°	432.2	432.7	433.0	433.3	433.7	434.0	431.5	429.1	426.6	424.1	421.8
152.5°	418.6	418.9	419.3	419.5	419.9	420.2	417.9	415.6	413.4	411.1	408.8
155°	407.8	408.0	408.1	408.1	408.2	408.3	406.4	404.6	402.7	400.8	398.9
157.5°	399.7	399.9	399.9	400.0	400.1	400.2	398.7	397.3	395.8	394.4	392.9
160°	393.5	393.6	393.7	393.8	393.9	394.0	392.7	391.5	390.3	389.1	387.7
162.5°	390.0	390.3	390.7	390.9	391.3	391.5	390.1	388.6	387.2	385.7	384.2
165°	386.6	386.7	386.8	386.8	386.9	387.0	386.0	385.0	383.9	382.9	381.9
167.5°	386.0	386.0	386.1	386.2	386.2	386.3	385.3	384.3	383.3	382.2	381.1
170°	384.0	384.3	384.6	384.8	385.2	385.3	384.5	383.7	382.8	382.1	381.2
172.5°	384.8	385.2	385.3	385.6	385.9	386.1	385.2	384.4	383.5	382.7	381.9
175°	382.6	382.7	382.7	382.7	382.7	382.7	382.1	381.5	380.9	380.2	379.5
177.5°	383.0	383.0	383.0	383.0	383.0	383.0	382.6	382.1	381.8	381.3	380.8
180°	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1



TEST NUMBER: P1444648
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL40

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°	66.5	65.1	61.8	60.3	58.6	58.6	57.2	57.2	55.6	55.4	53.5
92.5°	79.7	74.1	68.5	63.0	60.2	57.4	54.7	51.8	49.1	46.3	43.4
95°	100.8	91.4	82.0	72.6	69.4	66.2	63.0	59.8	56.7	53.5	50.3
97.5°	113.9	102.7	91.7	80.6	77.8	75.0	72.2	69.4	66.6	63.8	61.0
100°	156.4	135.7	115.0	94.3	92.0	89.6	87.2	84.9	82.5	80.1	77.8
102.5°	330.3	286.2	242.3	198.4	190.1	181.7	173.4	165.0	156.7	148.4	140.1
105°	629.6	558.3	487.1	415.8	393.2	370.5	348.0	325.4	302.7	280.1	257.5
107.5°	959.7	887.3	815.1	742.8	701.0	659.2	617.3	575.5	533.7	491.9	450.0
110°	1144.0	1091.2	1038.4	985.4	951.8	918.1	884.4	850.7	817.0	783.3	749.5



TEST NUMBER: P1444648
 CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL40

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1173.1	1135.0	1097.2	1059.2	1044.0	1028.6	1013.3	998.0	982.6	967.2	951.9
115°	1097.2	1071.4	1045.8	1019.9	1014.5	1008.9	1003.5	998.0	992.4	986.8	981.3
117.5°	976.6	961.9	947.3	932.8	933.4	934.1	934.9	935.6	936.2	936.9	937.6
120°	851.7	845.2	838.7	832.2	836.6	841.0	845.4	849.7	854.0	858.3	862.5
122.5°	748.0	745.2	742.4	739.5	744.8	750.1	755.3	760.5	765.8	770.8	776.0
125°	665.7	663.9	662.2	660.4	665.7	671.0	676.3	681.5	686.7	691.9	697.0
127.5°	609.0	608.1	607.3	606.4	610.1	613.6	617.2	620.7	624.2	627.6	631.1
130°	567.8	566.6	565.3	564.1	567.3	570.4	573.6	576.7	579.9	582.8	585.8
132.5°	539.5	538.0	536.6	535.1	537.3	539.3	541.5	543.4	545.6	547.4	549.4
135°	515.1	513.3	511.7	510.0	511.9	513.8	515.8	517.6	519.4	521.0	522.9
137.5°	493.9	492.1	490.5	488.7	490.5	492.2	493.8	495.4	497.0	498.6	500.0
140°	475.1	473.1	471.2	469.3	470.7	472.2	473.6	475.1	476.5	477.7	479.1
142.5°	456.9	454.4	452.3	449.8	450.8	451.8	452.8	453.7	454.7	455.6	456.4
145°	443.7	441.0	438.4	435.9	436.6	437.3	438.2	438.9	439.6	440.2	440.9
147.5°	431.2	428.7	426.3	423.8	424.4	425.0	425.4	425.9	426.5	426.9	427.3
150°	419.2	416.7	414.3	411.7	412.2	412.8	413.1	413.7	414.1	414.6	414.9
152.5°	406.4	404.2	401.8	399.5	399.9	400.4	400.7	401.2	401.6	402.1	402.3
155°	397.0	395.0	393.2	391.2	391.7	392.1	392.5	392.8	393.2	393.6	393.9
157.5°	391.4	389.9	388.4	386.8	387.0	387.2	387.4	387.5	387.6	387.8	387.9
160°	386.5	385.2	383.9	382.6	382.7	382.9	383.0	383.1	383.3	383.3	383.4
162.5°	382.7	381.2	379.7	378.2	378.3	378.5	378.6	378.7	378.8	379.0	379.0
165°	380.9	379.8	378.7	377.6	377.6	377.5	377.5	377.3	377.2	377.1	377.0
167.5°	380.1	379.0	377.9	376.8	377.0	377.1	377.2	377.4	377.6	377.7	377.8
170°	380.4	379.4	378.6	377.8	377.7	377.7	377.6	377.5	377.4	377.3	377.2
172.5°	381.1	380.2	379.4	378.4	378.4	378.3	378.3	378.2	378.1	378.0	378.0
175°	378.9	378.3	377.6	377.0	376.9	376.9	376.9	376.8	376.7	376.7	376.6
177.5°	380.3	380.0	379.5	379.1	379.0	379.0	379.0	378.9	378.9	378.9	378.9
180°	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1



TEST NUMBER: P1444648
CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL40

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°	53.2	51.2
92.5°	40.7	38.1
95°	47.1	43.8
97.5°	58.3	55.5
100°	75.4	73.1
102.5°	131.7	123.4
105°	234.9	212.3
107.5°	408.2	366.4
110°	715.9	682.2



TEST NUMBER: P1444648
CATALOG NUMBER: EHBR1-12-UNV-TA-L930-UPL40

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	936.5	921.2
115°	975.7	970.2
117.5°	938.2	938.8
120°	866.7	871.0
122.5°	781.1	786.2
125°	702.0	707.1
127.5°	634.5	637.8
130°	588.6	591.6
132.5°	551.3	553.0
135°	524.5	526.1
137.5°	501.4	502.9
140°	480.2	481.5
142.5°	457.2	458.0
145°	441.6	442.1
147.5°	427.6	428.0
150°	415.3	415.6
152.5°	402.7	403.1
155°	394.2	394.5
157.5°	388.0	388.0
160°	383.5	383.5
162.5°	379.2	379.2
165°	376.8	376.7
167.5°	377.8	377.9
170°	377.1	377.0
172.5°	377.9	377.8
175°	376.6	376.6
177.5°	378.9	378.8
180°	381.1	381.1

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-5

Test Date: 08/01/2025

Luminaire Tested: EHBR-60-L930-N

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

Test Information

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

Spectral Parameters

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

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



Test Conditions

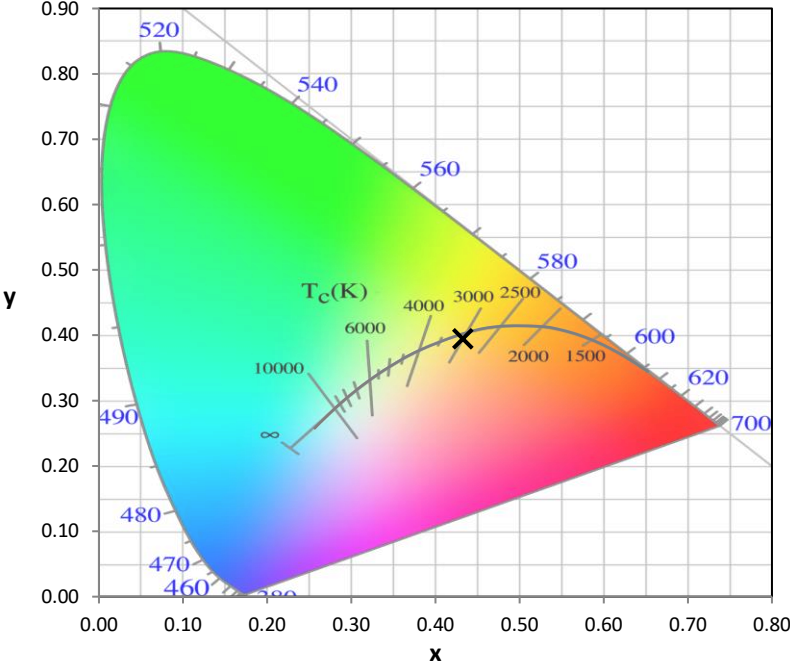
Stabilization Time: 40M
 Operation Time: 1H 40M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-5

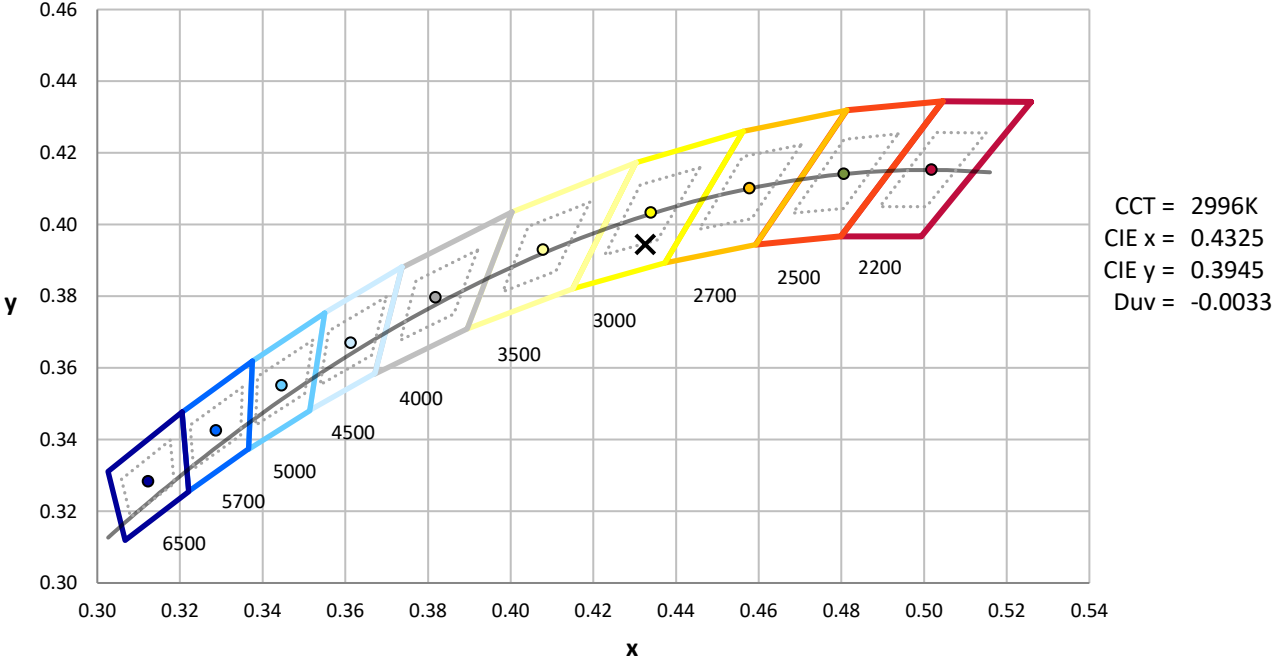
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208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

REPORT NUMBER: SP1-2506-472-5

CIE 1931 Chromaticity Diagram



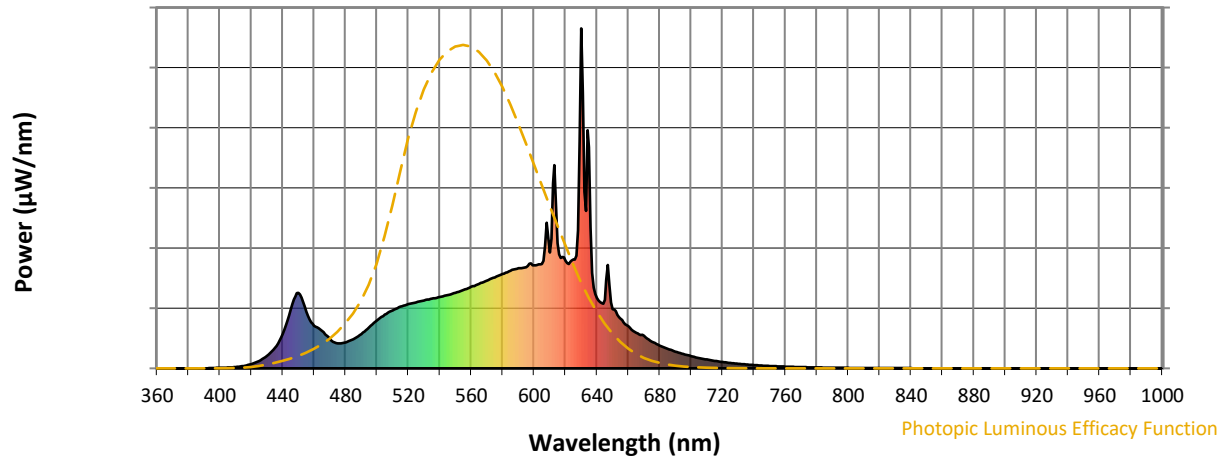
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 7-step quadrangle

REPORT NUMBER: SP1-2506-472-5

Photopic Flux vs. Wavelength



Photopic Lumens: NR

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

REPORT NUMBER: SP1-2506-472-5

Scotopic Flux vs. Wavelength



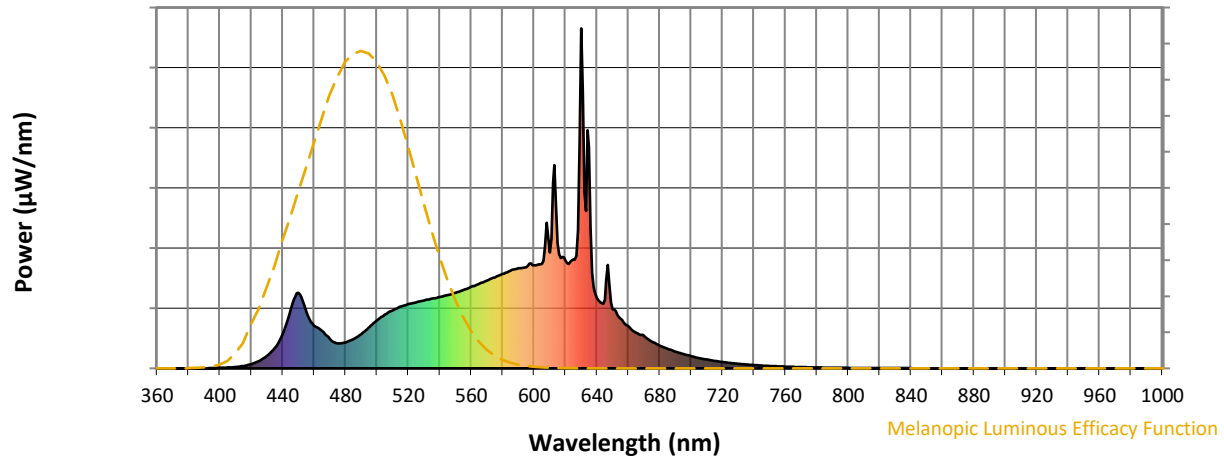
Scotopic Lumens: NR

S/P: 1.44

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

REPORT NUMBER: SP1-2506-472-5

Melanopic Flux vs. Wavelength



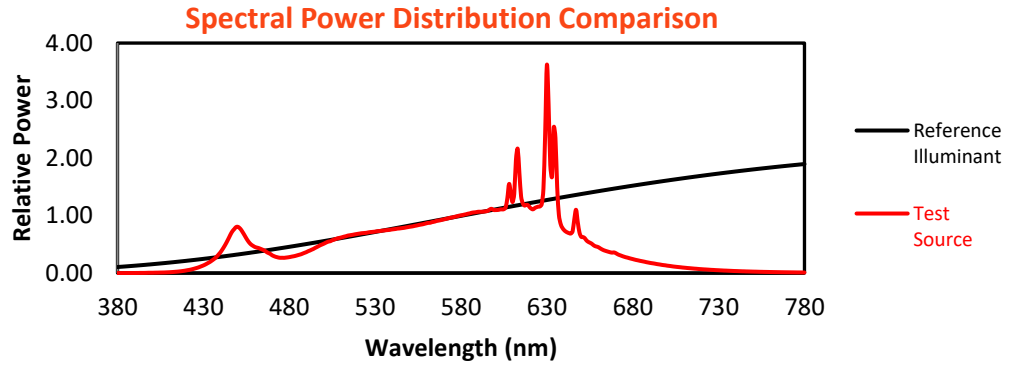
Melanopic Lumens: NR

M/P: 2.85

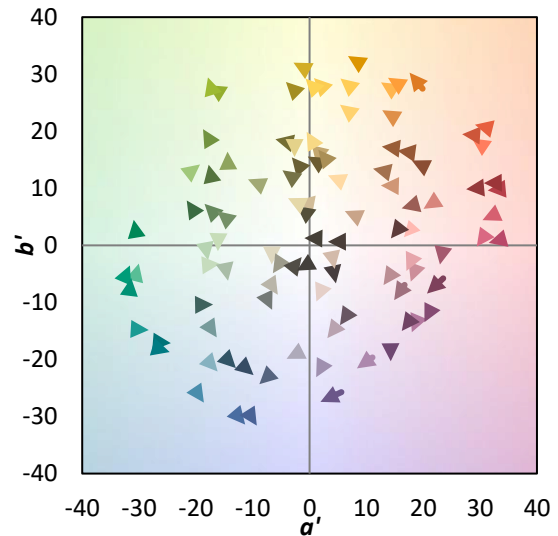
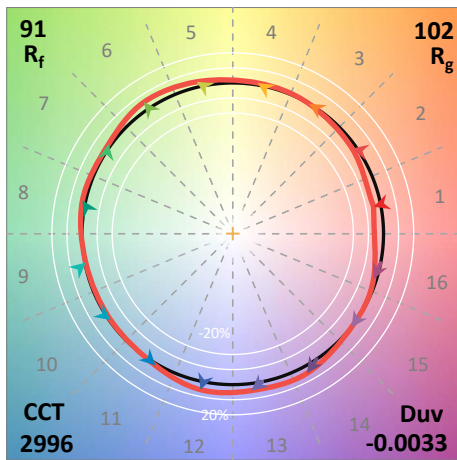
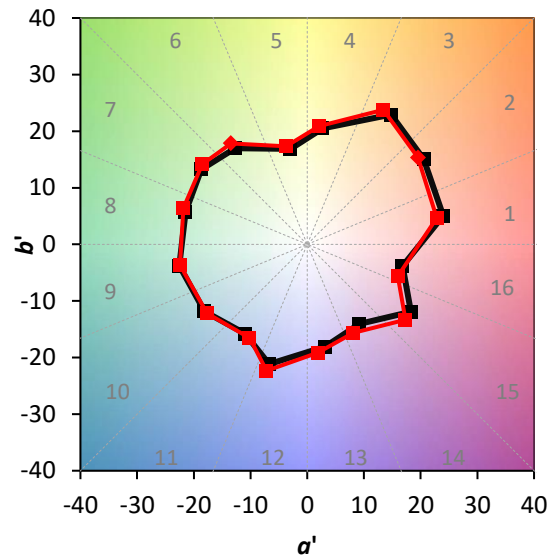
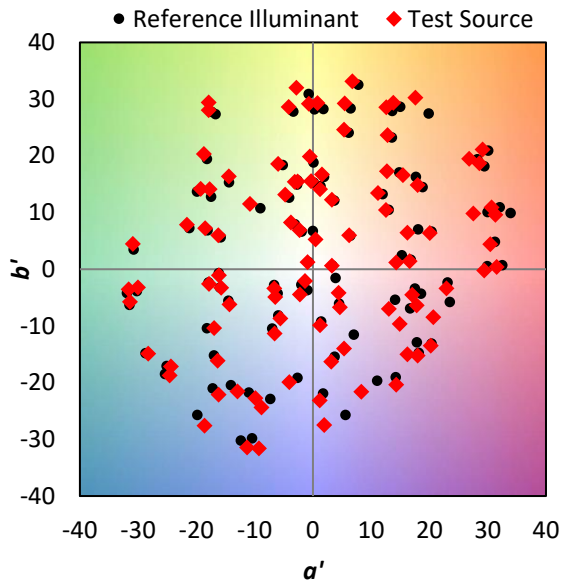
λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)
360	0	NR	490	101	NR	620	317	NR	750	7	NR	880	0	NR
365	0	NR	495	121	NR	625	320	NR	755	6	NR	885	0	NR
370	0	NR	500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

Summary

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



Color Vector Graphics

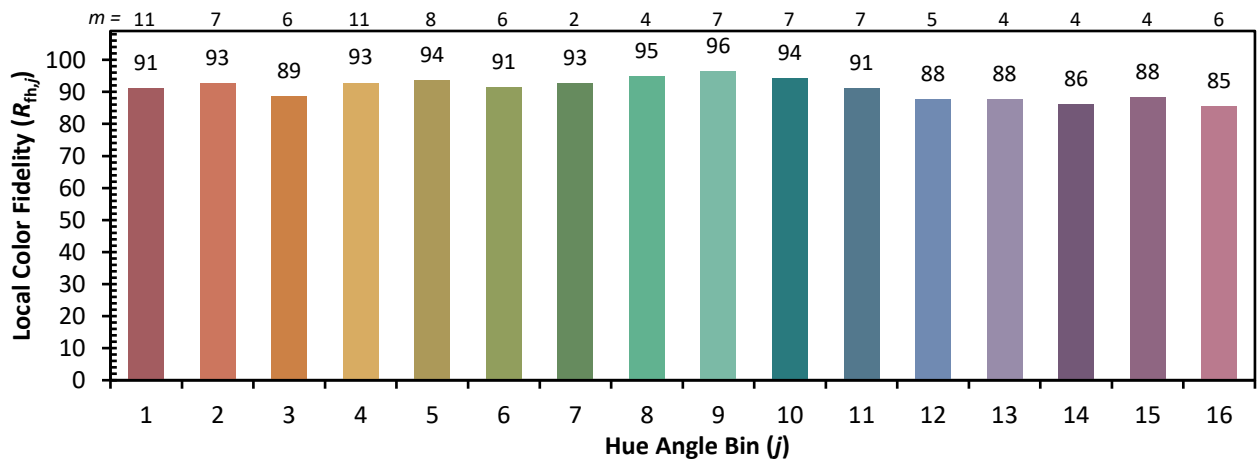
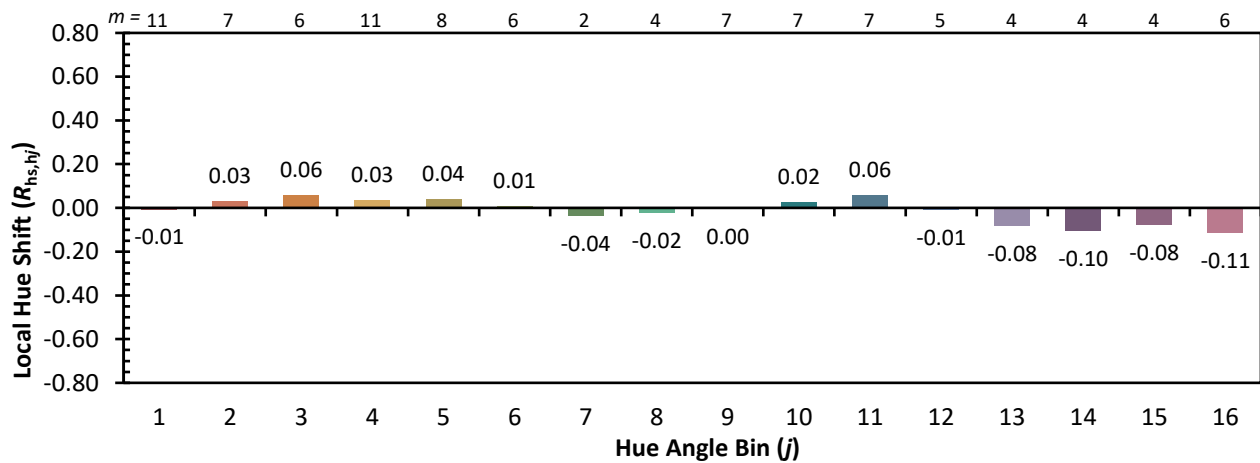
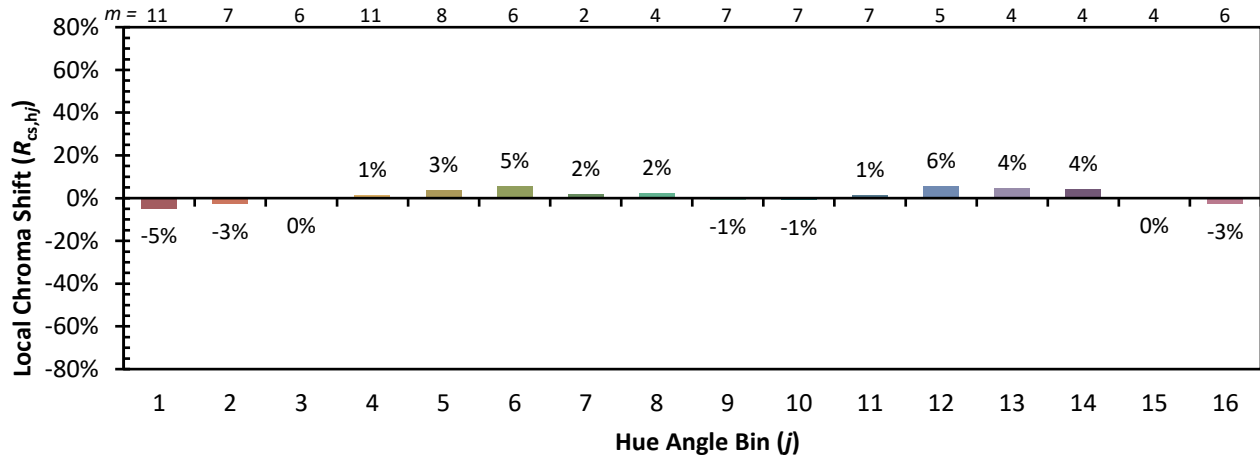


Individual Sample Fidelity Index ($R_{f,i}$)

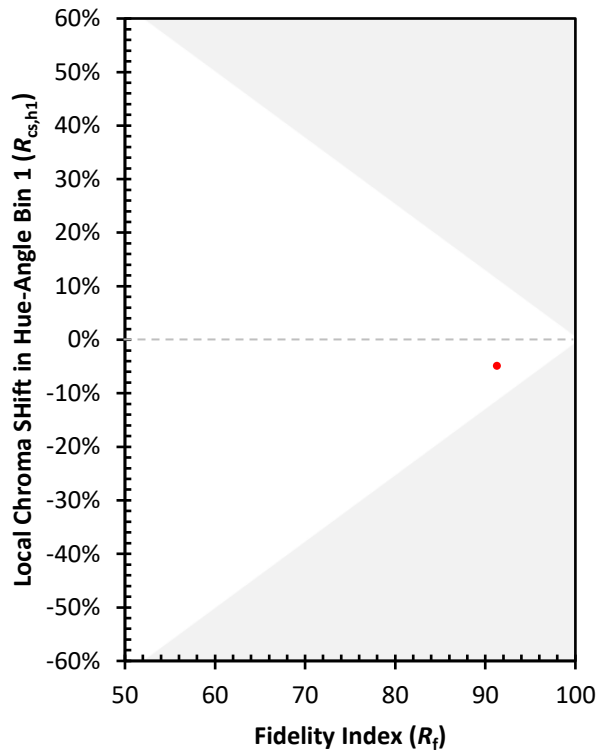
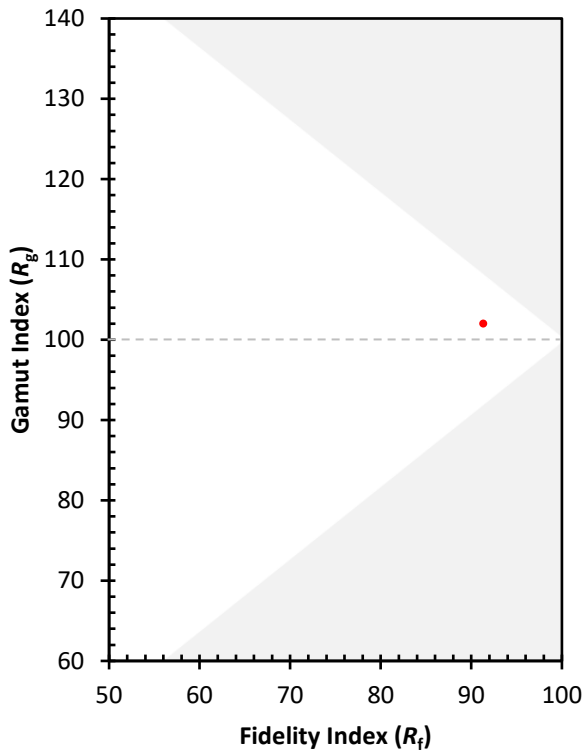
CES01 = 86	CES26 = 91	CES51 = 96	CES76 = 89
CES02 = 63	CES27 = 96	CES52 = 95	CES77 = 85
CES03 = 32	CES28 = 96	CES53 = 93	CES78 = 86
CES04 = 70	CES29 = 90	CES54 = 98	CES79 = 89
CES05 = 51	CES30 = 96	CES55 = 98	CES80 = 91
CES06 = 51	CES31 = 90	CES56 = 95	CES81 = 72
CES07 = 44	CES32 = 84	CES57 = 95	CES82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



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)