

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: P1444794

Luminaire Tested: EHBR1-18-UNV-TA-L940-UPL12

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444794
REPORT IS A COMBINATION OF REPORTS P1444301 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-18-UNV-TA-L940-UPL12
Description: Elevate Round Highbay at, 18000 lumens, 4000K 90CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

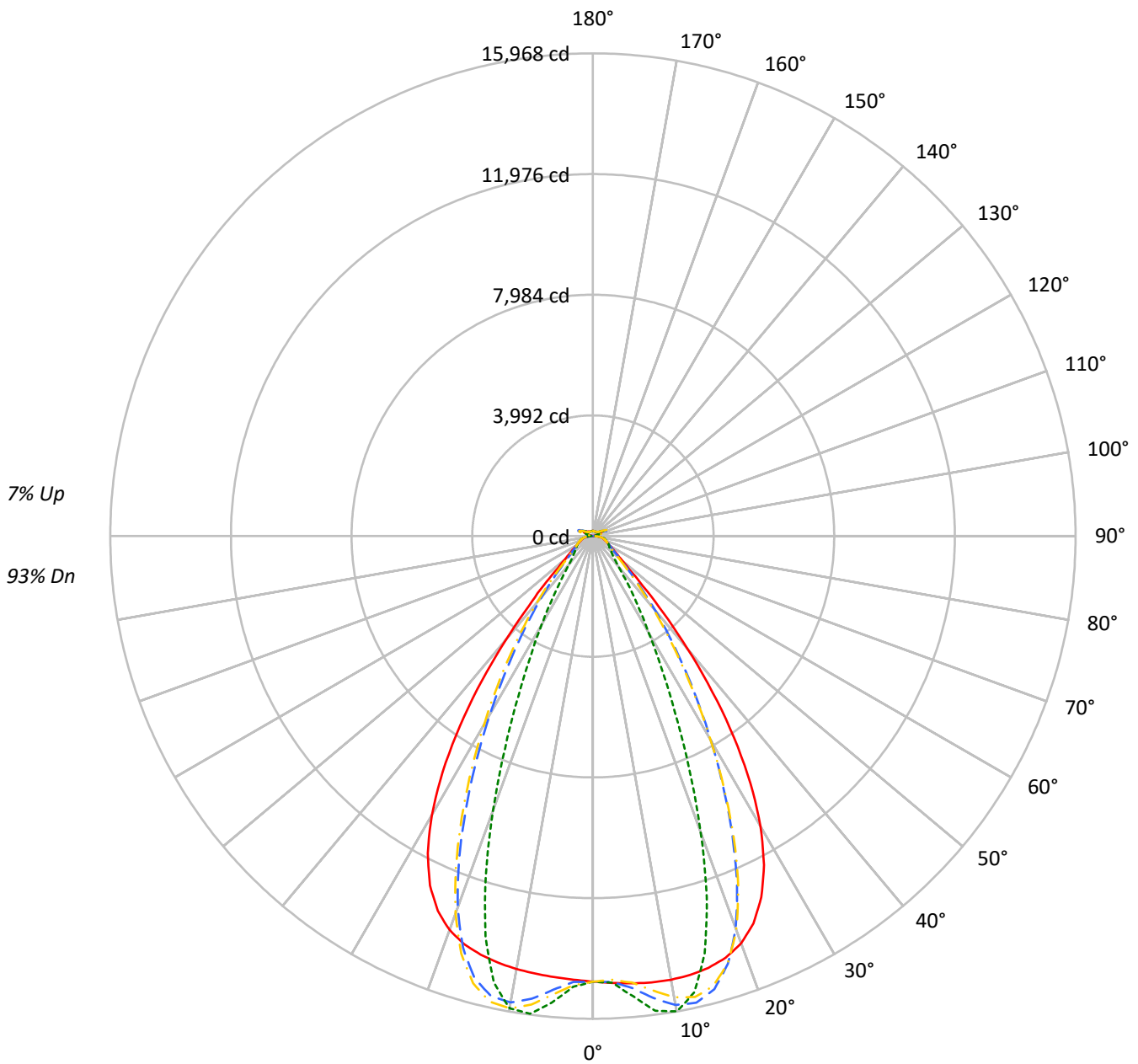
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18191.3 lumens
Efficiency: N/A
Efficacy: 178.2 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: Direct

Input Watts (W): 102.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1444794
CATALOG NUMBER: EHBR1-18-UNV-TA-L940-UPL12

Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93
1	110	107	104	101	107	104	101	99	99	96	94	94	92	90	89	88	87	87	87	87	84
2	103	98	93	89	101	95	91	87	91	87	84	87	84	81	83	81	79	79	79	79	76
3	97	90	84	79	94	88	82	78	84	79	76	80	77	74	77	74	72	72	72	72	70
4	91	83	76	71	89	81	75	70	78	73	69	75	71	67	72	69	66	66	66	66	64
5	86	76	70	65	84	75	69	64	72	67	63	70	65	62	68	64	61	61	61	61	59
6	81	71	64	59	79	70	63	59	68	62	58	65	61	57	63	59	56	56	56	56	54
7	77	66	59	55	75	65	59	54	63	58	54	61	56	53	60	55	52	52	52	52	50
8	73	62	55	51	71	61	55	50	59	54	50	58	53	49	56	52	49	49	49	49	47
9	69	58	52	47	67	57	51	47	56	50	46	54	49	46	53	49	45	45	45	45	44
10	65	55	48	44	64	54	48	44	53	47	43	51	46	43	50	46	43	43	43	43	41

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	69219	69219	69219	69219
5°	69554	71582	68580	72520
10°	70135	75156	68453	74659
15°	70479	68128	68333	65385
20°	69750	50753	67467	46959
25°	66021	32099	63839	29124
30°	57675	19289	55441	17628
35°	44386	12104	41834	10722
40°	28078	7592	25689	7135
45°	14472	5915	14232	5817
50°	8485	5261	8225	5179
55°	6500	4977	6259	4933
60°	5500	5085	5266	5018
65°	5166	5310	4969	5129
70°	5048	5560	4796	5351
75°	5396	5897	5105	5637
80°	5583	6530	5064	5961
85°	5258	6299	4251	5394

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 22148 cd/sqm



TEST NUMBER: P1444794
 CATALOG NUMBER: EHBR1-18-UNV-TA-L940-UPL12

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1452.6	8.0
10°-20°	4086.4	22.5
20°-30°	4654.1	25.6
30°-40°	3345.1	18.4
40°-50°	1542.8	8.5
50°-60°	738.3	4.1
60°-70°	538.7	3.0
70°-80°	409.3	2.2
80°-90°	188.1	1.0
90°-100°	35.7	0.2
100°-110°	200.7	1.1
110°-120°	370.7	2.0
120°-130°	227.9	1.3
130°-140°	148.0	0.8
140°-150°	111.0	0.6
150°-160°	78.1	0.4
160°-170°	47.5	0.3
170°-180°	16.3	0.1
0°-30°	10193.1	56.0
0°-40°	13538.3	74.4
0°-60°	15819.3	87.0
0°-90°	16955.4	93.2
90°-120°	607.0	3.3
90°-150°	1094.0	6.0
90°-180°	1236.0	6.8
0°-180°	18191.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	14740	14740	14740	14740	14740	
5°	14851	15284	14643	15484	14851	1419
15°	14786	14293	14336	13718	14786	4166
25°	13184	6410	12749	5816	13184	5977
35°	8146	2222	7678	1968	8146	5000
45°	2342	957	2303	941	2342	1991
55°	878	673	846	667	878	811
65°	539	554	519	535	539	539
75°	380	415	360	397	380	395
85°	181	216	146	185	181	170
90°	49	62	14	17	49	31
95°	16	18	16	18	16	15
105°	73	93	49	94	73	96
115°	324	392	339	392	324	299
125°	245	255	277	256	245	223
135°	195	172	210	173	195	152
145°	175	169	186	171	175	111
155°	165	165	176	167	165	77
165°	166	165	172	166	166	47
175°	170	172	173	172	170	16
180°	172	172	172	172	172	



TEST NUMBER: P1444794
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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7
2.5°	14796.0	14794.8	14794.6	14793.6	14793.3	14793.3	14792.8	14791.6	14790.8	14789.1	14787.3
5°	14850.9	14850.2	14850.6	14850.7	14849.7	14847.4	14843.8	14839.3	14833.8	14828.5	14823.9
7.5°	14893.4	14894.4	14895.7	14895.4	14892.2	14886.8	14879.4	14875.3	14877.7	14885.7	14904.1
10°	14901.1	14907.4	14909.9	14909.1	14902.7	14898.0	14899.9	14915.5	14946.6	14988.0	15044.8
12.5°	14870.9	14878.7	14878.4	14875.9	14869.6	14876.0	14898.6	14945.0	15011.7	15093.5	15189.4
15°	14786.1	14796.1	14793.3	14790.0	14785.8	14806.6	14851.8	14932.5	15035.5	15150.8	15268.8
17.5°	14621.3	14633.5	14627.6	14623.9	14620.3	14659.3	14737.0	14855.2	14984.8	15115.3	15227.1
20°	14335.7	14343.8	14329.7	14323.1	14328.7	14405.2	14519.5	14670.4	14807.1	14930.5	15006.9
22.5°	13869.4	13879.6	13853.2	13850.1	13882.6	14000.0	14144.7	14313.5	14441.9	14539.6	14569.1
25°	13184.4	13194.3	13163.0	13181.8	13237.1	13397.0	13569.3	13749.9	13859.3	13931.8	13911.8
27.5°	12259.8	12268.8	12239.1	12277.4	12365.0	12575.1	12777.8	12973.6	13071.3	13122.0	13057.8
30°	11093.7	11112.5	11077.4	11130.7	11264.4	11537.2	11769.5	11989.1	12086.4	12125.1	12025.0
32.5°	9708.7	9735.5	9696.8	9776.1	9962.6	10290.3	10554.2	10799.6	10907.2	10951.4	10838.3
35°	8146.5	8185.0	8140.6	8259.8	8489.8	8854.6	9146.9	9420.9	9548.3	9610.9	9497.0
37.5°	6491.5	6528.2	6504.2	6663.2	6915.8	7293.9	7592.3	7887.8	8031.8	8125.6	8035.8
40°	4866.7	4900.3	4918.4	5100.3	5337.9	5694.3	5980.9	6273.2	6434.3	6552.1	6496.6
42.5°	3435.0	3468.8	3530.6	3706.1	3904.2	4199.2	4444.7	4707.2	4861.1	4986.7	4965.3
45°	2341.5	2380.8	2458.2	2601.9	2745.2	2956.9	3137.1	3341.3	3467.0	3582.1	3583.4
47.5°	1640.8	1668.4	1737.6	1835.7	1929.2	2194.1	2205.0	2305.4	2389.9	2475.8	2487.0
50°	1264.5	1281.2	1317.9	1372.6	1425.5	1494.3	1557.2	1630.0	1682.0	1729.1	1740.4
52.5°	1039.3	1050.0	1068.6	1098.2	1129.0	1166.3	1200.1	1240.0	1268.2	1293.5	1298.8
55°	878.4	887.2	915.0	920.7	955.8	962.5	977.5	1001.8	1018.3	1033.4	1037.1
57.5°	757.1	763.4	769.3	781.8	792.7	808.4	821.1	838.5	848.9	859.8	860.7
60°	661.2	665.8	670.0	678.7	686.2	697.1	705.8	717.6	725.1	733.3	734.2
62.5°	589.9	593.2	596.0	601.7	607.1	615.4	622.3	632.2	639.2	645.5	646.9
65°	539.2	541.7	543.4	547.8	552.4	559.5	565.8	573.9	579.0	583.9	584.9
67.5°	494.3	496.7	498.4	502.4	505.6	511.0	515.2	521.3	525.1	529.0	529.1
70°	442.9	445.0	446.4	450.2	452.7	457.3	460.7	466.1	470.1	474.4	475.5
72.5°	407.2	408.5	410.4	413.8	417.4	422.2	426.8	432.5	437.2	441.7	443.6
75°	380.1	381.6	382.9	385.8	388.2	392.4	395.8	401.0	405.1	409.9	412.3
77.5°	341.1	342.8	343.8	346.8	348.8	352.8	355.3	360.0	363.3	367.7	369.9
80°	293.7	295.3	296.2	298.9	300.5	304.2	306.7	311.2	314.0	318.3	321.0
82.5°	241.4	242.9	243.3	246.0	246.9	249.9	251.6	256.3	259.7	265.4	269.3
85°	180.7	181.3	182.1	181.5	185.2	185.4	189.6	190.3	195.7	197.2	203.5
87.5°	110.5	112.2	113.0	115.5	116.5	119.1	119.8	122.5	124.0	127.1	128.5
90°	49.0	51.7	52.7	55.8	56.7	59.5	60.4	63.4	64.5	67.7	69.1
92.5°	14.3	15.3	16.1	17.2	18.2	19.3	20.4	21.4	22.4	23.6	25.3
95°	16.3	17.3	18.4	19.4	20.4	21.5	22.5	23.6	24.6	25.6	28.6
97.5°	20.3	21.2	22.1	23.0	23.9	24.8	25.7	26.6	27.5	28.4	32.0
100°	26.4	27.1	27.9	28.7	29.4	30.2	30.9	31.8	32.5	33.3	39.9
102.5°	43.2	45.9	48.6	51.3	54.0	56.7	59.5	62.1	64.8	67.5	81.8
105°	72.8	80.0	87.5	94.7	102.1	109.6	116.9	124.2	131.5	138.8	162.0
107.5°	123.6	137.1	150.8	164.4	178.0	191.7	205.3	218.8	232.5	246.0	269.6
110°	227.5	238.4	249.4	260.3	271.3	282.2	293.1	303.9	314.9	325.8	342.9



TEST NUMBER: P1444794
 CATALOG NUMBER: EHBR1-18-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	306.5	311.4	316.3	321.3	326.3	331.1	336.0	341.0	345.8	350.7	363.0
115°	323.8	325.5	327.3	328.9	330.6	332.3	334.0	335.6	337.3	338.8	347.1
117.5°	315.1	314.7	314.4	314.1	313.6	313.3	312.9	312.5	312.0	311.6	316.3
120°	294.8	293.2	291.7	290.0	288.4	286.8	285.2	283.6	281.9	280.1	282.1
122.5°	269.0	267.0	265.2	263.3	261.3	259.5	257.5	255.5	253.5	251.5	252.1
125°	245.2	243.3	241.5	239.4	237.5	235.5	233.6	231.5	229.5	227.4	227.7
127.5°	224.8	223.5	222.1	220.6	219.2	217.6	216.1	214.7	213.2	211.5	211.6
130°	211.9	210.7	209.4	208.1	206.8	205.4	203.9	202.5	201.1	199.7	199.7
132.5°	201.6	200.8	199.8	198.9	197.9	196.7	195.6	194.4	193.4	192.2	192.3
135°	195.1	194.2	193.4	192.5	191.5	190.4	189.4	188.3	187.2	186.0	186.2
137.5°	189.6	188.9	188.2	187.2	186.3	185.2	184.4	183.2	182.2	181.1	181.3
140°	184.7	184.0	183.3	182.4	181.6	180.7	179.7	178.8	177.8	176.7	177.0
142.5°	179.0	178.3	177.8	177.1	176.5	175.6	174.8	173.9	173.2	172.3	172.7
145°	175.3	174.9	174.4	173.8	173.1	172.4	171.8	170.9	170.3	169.6	170.0
147.5°	172.4	171.9	171.5	171.0	170.6	169.8	169.3	168.5	168.1	167.3	167.8
150°	169.7	169.2	168.9	168.4	167.9	167.3	166.8	166.1	165.6	164.9	165.4
152.5°	166.7	166.2	165.9	165.5	165.0	164.3	164.0	163.3	162.9	162.2	162.6
155°	165.2	164.8	164.3	164.0	163.5	163.0	162.5	162.0	161.5	160.9	161.3
157.5°	164.5	164.2	163.8	163.4	163.1	162.7	162.2	161.8	161.5	161.0	161.2
160°	164.7	164.3	164.0	163.6	163.2	162.8	162.4	162.0	161.6	161.2	161.4
162.5°	165.0	164.5	164.2	163.9	163.5	163.0	162.7	162.4	162.0	161.5	161.7
165°	165.6	165.5	165.2	164.9	164.6	164.3	164.1	163.8	163.5	163.1	163.3
167.5°	167.7	167.3	167.1	166.8	166.5	166.2	165.8	165.5	165.4	164.9	165.1
170°	168.8	168.5	168.3	168.2	168.0	167.8	167.6	167.3	167.1	167.0	167.0
172.5°	170.0	169.7	169.7	169.6	169.4	169.2	169.1	168.9	168.8	168.5	168.8
175°	170.3	170.1	170.0	169.9	169.8	169.7	169.7	169.6	169.6	169.4	169.5
177.5°	171.5	171.4	171.4	171.4	171.4	171.3	171.3	171.2	171.1	171.1	171.1
180°	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4



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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°	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7
2.5°	14785.8	14784.0	14781.6	14778.4	14775.7	14772.6	14765.3	14763.0	14765.6	14767.1	14770.6
5°	14820.9	14821.9	14822.4	14829.1	14834.9	14849.3	14962.7	15007.8	15042.6	15064.8	15098.3
7.5°	14926.8	14960.9	14994.6	15040.0	15079.1	15131.9	15330.3	15414.8	15474.8	15518.0	15571.1
10°	15106.4	15180.8	15250.5	15332.3	15402.5	15482.9	15667.7	15749.9	15801.8	15839.7	15875.0
12.5°	15287.2	15390.3	15483.6	15574.6	15650.6	15720.4	15785.3	15814.1	15816.5	15817.8	15799.0
15°	15381.4	15480.0	15562.1	15622.3	15667.0	15686.8	15575.0	15516.3	15442.1	15381.1	15280.6
17.5°	15321.9	15381.1	15416.6	15413.1	15394.6	15332.7	15016.1	14841.9	14668.9	14513.1	14308.7
20°	15057.7	15053.2	15022.3	14934.8	14829.5	14665.6	14122.5	13809.3	13506.3	13240.4	12917.6
22.5°	14566.1	14488.8	14380.9	14192.3	13982.9	13696.5	12918.4	12457.5	12035.8	11663.4	11246.1
25°	13853.8	13694.7	13495.8	13196.4	12870.9	12453.3	11494.2	10921.0	10414.7	9975.6	9494.1
27.5°	12942.2	12702.5	12411.0	11996.7	11555.7	11020.7	9957.3	9324.7	8781.3	8310.6	7798.1
30°	11863.0	11551.3	11174.9	10660.6	10128.7	9521.9	8443.4	7802.7	7252.6	6768.3	6255.4
32.5°	10643.4	10278.3	9837.2	9260.1	8684.7	8060.9	7019.4	6399.2	5873.7	5407.7	4943.6
35°	9298.3	8906.7	8440.1	7851.3	7279.5	6673.0	5717.3	5158.1	4694.0	4282.2	3907.4
37.5°	7855.4	7470.9	7027.4	6472.5	5942.2	5392.6	4568.0	4099.4	3710.0	3368.2	3078.8
40°	6355.1	6018.7	5635.0	5155.3	4702.7	4244.9	3568.1	3196.1	2888.8	2628.1	2411.3
42.5°	4873.3	4612.6	4318.3	3939.2	3592.9	3244.4	2723.4	2447.8	2220.1	2032.5	1879.1
45°	3535.8	3361.3	3164.0	2900.4	2660.8	2417.7	2046.9	1853.2	1705.0	1584.0	1481.7
47.5°	2471.7	2370.5	2364.3	2120.8	1945.1	1796.4	1557.5	1435.2	1344.4	1271.0	1206.3
50°	1735.7	1686.8	1626.0	1539.1	1457.6	1373.5	1228.0	1154.0	1100.8	1056.4	1015.5
52.5°	1297.6	1272.3	1239.8	1193.7	1149.6	1102.2	1010.2	963.0	946.4	905.0	872.6
55°	1036.5	1021.8	1003.5	976.4	949.4	938.7	859.8	824.8	802.7	786.4	768.9
57.5°	860.9	850.0	839.1	820.8	805.2	786.4	744.5	726.5	713.4	703.8	691.7
60°	734.3	727.9	721.7	710.9	702.6	692.4	665.8	655.7	648.8	643.0	635.3
62.5°	648.1	644.8	641.6	635.9	631.7	626.2	607.9	603.1	599.6	596.7	592.1
65°	585.9	583.5	581.8	578.0	575.9	572.6	556.9	553.7	551.5	550.5	547.8
67.5°	529.4	526.8	525.7	523.0	522.1	520.1	507.3	505.5	504.8	505.1	504.1
70°	476.5	475.5	476.0	475.6	476.8	477.2	469.5	469.4	470.2	471.8	472.0
72.5°	444.9	444.9	445.4	445.7	446.8	447.4	440.9	440.7	441.0	442.3	442.3
75°	414.7	415.1	416.8	417.4	418.7	419.0	410.5	409.5	409.6	410.7	410.3
77.5°	372.9	374.7	377.9	379.5	382.2	382.6	373.0	371.9	371.9	373.1	372.1
80°	325.6	329.1	334.0	337.4	341.4	343.1	333.2	330.9	328.8	328.4	326.4
82.5°	275.3	279.5	285.5	288.5	292.8	293.8	277.4	274.3	272.4	272.6	270.8
85°	210.2	213.3	218.8	220.5	223.1	222.9	204.1	196.1	198.3	194.9	197.5
87.5°	131.8	133.7	137.0	137.5	138.7	138.4	119.6	115.9	114.8	114.9	113.5
90°	72.7	74.5	78.0	78.5	81.0	81.2	66.4	65.1	63.4	63.6	61.4
92.5°	27.4	29.2	31.2	33.1	35.1	37.0	37.2	38.5	36.7	34.7	32.9
95°	31.7	34.8	37.8	40.8	43.9	47.0	50.0	53.1	50.2	47.4	44.5
97.5°	35.7	39.3	42.9	46.4	50.0	53.7	57.3	60.9	57.9	54.7	51.6
100°	46.7	53.4	60.1	66.8	73.6	80.3	87.1	93.8	87.9	81.9	76.0
102.5°	96.1	110.4	124.7	139.0	153.3	167.5	182.0	196.3	182.6	169.0	155.3
105°	185.2	208.4	231.6	254.6	277.7	301.0	324.3	347.4	325.7	303.9	282.2
107.5°	293.0	316.6	340.0	363.3	386.8	410.3	434.1	457.5	436.3	415.0	393.9
110°	360.1	377.2	394.3	411.5	428.6	445.7	463.1	480.3	467.5	454.6	441.9



TEST NUMBER: P1444794
 CATALOG NUMBER: EHBR1-18-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	375.2	387.5	399.7	411.8	423.9	436.1	448.9	461.2	454.7	448.2	441.8
115°	355.3	363.6	371.7	380.0	388.2	396.3	405.2	413.5	411.3	409.2	407.0
117.5°	320.8	325.3	329.9	334.5	338.8	343.5	348.7	353.5	353.7	353.9	354.2
120°	284.0	285.8	287.6	289.6	291.3	293.2	295.9	297.9	299.6	301.1	302.8
122.5°	252.8	253.4	254.1	254.7	255.3	255.8	257.6	258.4	259.5	260.5	261.6
125°	228.0	228.2	228.4	228.7	228.8	229.0	230.6	231.0	231.0	230.9	230.8
127.5°	211.5	211.4	211.3	211.3	211.1	211.0	212.3	212.5	211.7	210.7	209.9
130°	199.7	199.8	199.8	199.8	199.8	200.0	201.4	201.8	200.4	198.8	197.4
132.5°	192.4	192.5	192.5	192.7	192.8	192.9	194.4	194.9	193.2	191.6	190.0
135°	186.3	186.5	186.6	186.8	187.0	187.2	188.9	189.5	188.0	186.3	184.7
137.5°	181.3	181.6	181.7	181.9	182.0	182.2	184.2	184.7	183.5	182.1	180.9
140°	177.2	177.4	177.8	177.9	178.2	178.6	180.7	181.4	180.4	179.4	178.3
142.5°	173.0	173.5	173.8	174.3	174.8	175.2	177.8	178.6	177.9	177.0	176.3
145°	170.4	171.0	171.4	172.1	172.6	173.2	176.0	177.0	176.5	175.9	175.4
147.5°	168.1	168.6	169.1	169.6	170.1	170.8	173.7	174.8	174.4	174.0	173.8
150°	165.8	166.3	166.8	167.3	168.0	168.5	171.9	173.1	172.8	172.4	172.2
152.5°	162.9	163.4	163.9	164.3	164.8	165.5	169.4	170.7	170.4	170.0	169.9
155°	161.5	161.8	162.1	162.5	162.9	163.4	167.6	168.9	168.7	168.5	168.3
157.5°	161.4	161.5	161.6	162.0	162.2	162.5	167.0	168.3	168.1	167.9	167.8
160°	161.5	161.6	161.6	161.9	162.0	162.3	166.8	168.1	168.0	167.8	167.6
162.5°	161.8	162.3	162.4	162.6	162.8	163.1	167.7	169.1	168.8	168.5	168.4
165°	163.4	163.4	163.5	163.8	163.9	164.0	168.3	169.5	169.4	169.1	169.0
167.5°	165.1	165.3	165.4	165.5	165.6	165.9	169.8	171.0	170.9	170.7	170.6
170°	167.1	167.2	167.3	167.5	167.7	167.9	171.2	172.2	172.0	171.7	171.6
172.5°	168.9	169.1	169.3	169.5	169.7	169.8	172.7	173.6	173.5	173.3	173.1
175°	169.6	169.7	169.9	170.1	170.2	170.4	172.6	173.3	173.2	173.1	173.0
177.5°	171.3	171.4	171.6	171.7	171.9	172.0	173.4	173.8	173.7	173.7	173.6
180°	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4



TEST NUMBER: P1444794
 CATALOG NUMBER: EHBR1-18-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7
2.5°	14771.3	14776.6	14777.3	14783.4	14782.9	14790.1	14788.9	14794.8	14791.4	14796.2	14792.1
5°	15118.3	15149.8	15166.2	15196.9	15206.6	15234.1	15241.8	15266.9	15267.9	15287.8	15283.3
7.5°	15608.8	15655.1	15682.7	15720.6	15739.9	15771.5	15785.4	15808.8	15816.4	15834.9	15836.3
10°	15901.7	15924.2	15939.9	15950.5	15960.2	15964.7	15970.0	15968.6	15970.0	15967.9	15972.5
12.5°	15786.5	15753.6	15731.9	15690.7	15666.7	15621.3	15598.9	15555.1	15539.3	15501.7	15496.2
15°	15203.0	15088.4	15007.4	14889.7	14815.6	14699.8	14632.0	14527.4	14479.7	14396.6	14374.8
17.5°	14139.5	13926.8	13762.2	13551.0	13404.4	13207.0	13082.9	12919.5	12830.1	12698.2	12652.7
20°	12648.6	12333.8	12086.8	11792.7	11582.1	11319.9	11151.9	10940.1	10817.2	10655.3	10589.7
22.5°	10898.1	10506.3	10197.8	9850.3	9596.3	9304.0	9102.7	8873.6	8739.9	8564.1	8486.2
25°	9094.0	8661.8	8318.9	7952.8	7684.4	7391.4	7190.2	6965.0	6826.5	6659.7	6582.4
27.5°	7368.5	6931.1	6599.7	6259.3	6013.0	5748.6	5567.0	5370.5	5247.7	5105.1	5032.4
30°	5845.8	5459.9	5177.9	4895.4	4690.6	4475.9	4325.0	4162.1	4054.3	3932.3	3863.0
32.5°	4605.2	4307.3	4086.5	3862.3	3694.7	3515.3	3384.9	3241.1	3143.8	3034.9	2972.1
35°	3647.2	3415.8	3239.7	3055.1	2911.1	2758.3	2643.4	2519.4	2432.1	2338.2	2284.0
37.5°	2881.7	2697.7	2552.7	2399.5	2281.1	2154.5	2111.9	1969.5	1879.0	1804.2	1752.4
40°	2261.6	2115.2	1995.3	1878.1	1781.6	1685.5	1608.5	1532.5	1474.0	1420.5	1383.5
42.5°	1766.1	1660.1	1572.5	1486.6	1416.3	1346.3	1290.4	1238.1	1198.7	1163.7	1139.9
45°	1404.0	1331.0	1270.2	1209.7	1160.1	1113.3	1075.8	1042.3	1016.9	995.9	981.0
47.5°	1153.4	1103.4	1060.5	1019.7	986.1	955.4	930.2	922.0	894.8	876.3	869.3
50°	980.2	950.1	917.5	887.4	864.8	842.5	826.1	810.2	799.9	791.4	788.8
52.5°	851.0	828.0	809.8	790.7	775.9	759.9	748.7	738.0	732.4	728.0	727.4
55°	754.9	738.8	726.8	714.0	705.1	695.8	689.9	684.3	681.8	679.5	679.7
57.5°	682.2	671.4	663.6	655.3	650.5	646.0	644.5	643.1	643.9	644.2	645.4
60°	629.2	622.2	617.3	612.6	610.5	609.1	610.2	611.4	614.0	616.1	618.0
62.5°	588.6	584.6	582.2	579.7	579.4	579.6	581.7	583.9	587.1	589.5	591.3
65°	546.8	544.5	543.8	542.1	543.0	543.4	546.0	547.7	550.9	552.8	555.1
67.5°	504.6	504.0	504.6	504.6	506.0	507.3	509.8	511.7	514.4	516.1	518.0
70°	473.4	473.6	474.8	475.0	476.5	477.5	479.6	480.8	483.2	484.7	487.0
72.5°	443.1	442.6	442.9	442.2	442.7	442.4	443.6	444.3	446.4	447.5	450.3
75°	410.8	409.5	409.1	407.6	407.7	406.7	407.1	407.0	408.4	409.0	410.9
77.5°	371.8	369.5	368.4	366.0	365.9	364.9	366.0	366.5	368.9	370.1	372.4
80°	325.1	321.5	319.9	317.0	317.5	317.4	319.7	321.6	324.6	325.1	327.9
82.5°	270.3	266.5	264.9	262.1	262.7	262.7	265.0	265.3	267.8	269.0	272.2
85°	193.5	194.9	191.0	191.3	190.5	192.0	193.5	195.4	197.5	201.0	203.8
87.5°	113.9	113.5	114.9	115.0	116.9	118.0	121.2	123.0	126.5	129.3	134.3
90°	60.9	58.7	59.3	58.2	59.7	58.7	60.1	58.8	60.6	60.4	62.8
92.5°	30.7	29.0	26.8	25.0	22.9	21.1	20.0	19.4	18.3	17.5	16.5
95°	41.7	38.8	36.1	33.2	30.4	27.5	26.5	25.4	24.3	23.3	22.3
97.5°	48.5	45.6	42.5	39.4	36.3	33.3	32.6	31.9	31.2	30.5	29.8
100°	70.0	64.1	58.1	52.2	46.2	40.3	39.8	39.2	38.7	38.1	37.5
102.5°	141.8	128.2	114.7	101.0	87.5	73.8	71.5	69.0	66.7	64.4	62.0
105°	260.4	238.7	216.9	195.3	173.6	151.8	145.3	138.7	132.3	125.8	119.3
107.5°	372.7	351.3	330.2	309.0	287.9	266.6	256.3	246.1	235.8	225.6	215.4
110°	428.9	416.3	403.6	390.7	378.0	365.3	355.5	345.7	335.9	326.1	316.4



TEST NUMBER: P1444794
 CATALOG NUMBER: EHBR1-18-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	435.4	428.9	422.5	416.0	409.6	403.2	398.5	393.6	389.0	384.1	379.3
115°	404.9	402.8	400.7	398.7	396.6	394.5	394.1	393.8	393.3	393.0	392.8
117.5°	354.5	354.7	354.9	355.2	355.6	355.9	358.3	360.8	363.3	366.0	368.6
120°	304.4	305.9	307.4	309.1	310.8	312.5	315.7	319.1	322.4	325.9	329.4
122.5°	262.6	263.7	264.7	265.9	266.9	268.0	271.3	274.6	277.9	281.3	284.8
125°	230.7	230.5	230.4	230.3	230.1	230.2	232.8	235.4	238.1	240.9	243.7
127.5°	209.0	208.0	207.1	206.3	205.2	204.5	205.9	207.5	209.0	210.6	212.2
130°	195.8	194.4	192.9	191.5	189.9	188.5	188.9	189.4	190.0	190.6	191.1
132.5°	188.2	186.6	184.8	183.1	181.4	179.7	179.5	179.3	179.2	179.1	179.1
135°	183.1	181.6	179.8	178.2	176.5	175.0	174.4	173.8	173.4	172.8	172.4
137.5°	179.6	178.4	177.0	175.8	174.3	173.1	172.3	171.6	170.9	170.4	169.7
140°	177.2	176.3	175.1	173.9	172.9	171.9	171.1	170.7	169.9	169.6	169.0
142.5°	175.3	174.5	173.8	172.8	172.1	171.2	170.6	170.0	169.6	169.0	168.5
145°	174.9	174.2	173.7	173.1	172.4	171.9	171.3	171.0	170.5	170.1	169.8
147.5°	173.3	172.9	172.4	172.2	171.7	171.2	170.9	170.7	170.2	170.0	169.7
150°	171.8	171.4	171.0	170.8	170.3	169.9	169.7	169.5	169.2	169.1	168.9
152.5°	169.5	169.2	168.8	168.5	168.2	167.8	167.6	167.5	167.2	167.0	166.9
155°	168.1	167.8	167.6	167.3	167.0	166.9	166.6	166.3	166.1	165.8	165.6
157.5°	167.5	167.3	167.0	166.9	166.6	166.3	166.1	165.9	165.6	165.5	165.2
160°	167.4	167.2	167.0	166.8	166.5	166.3	165.9	165.6	165.4	165.1	164.8
162.5°	168.1	167.8	167.5	167.3	167.0	166.7	166.4	166.2	165.9	165.7	165.5
165°	168.7	168.5	168.3	168.1	167.9	167.7	167.3	167.0	166.8	166.6	166.2
167.5°	170.3	170.2	169.9	169.7	169.5	169.3	169.0	168.8	168.5	168.2	167.9
170°	171.4	171.1	170.9	170.7	170.4	170.1	169.8	169.6	169.3	169.1	168.7
172.5°	172.9	172.7	172.4	172.4	172.1	171.9	171.6	171.4	171.2	171.0	170.8
175°	172.9	172.9	172.8	172.6	172.6	172.5	172.4	172.4	172.3	172.2	172.0
177.5°	173.6	173.6	173.6	173.5	173.4	173.4	173.2	173.1	173.1	172.9	172.8
180°	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4



TEST NUMBER: P1444794
 CATALOG NUMBER: EHBR1-18-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7
2.5°	14796.4	14792.7	14794.4	14787.5	14789.1	14780.7	14780.0	14770.6	14769.7	14760.7	14757.4
5°	15297.3	15289.1	15298.5	15283.9	15286.8	15267.9	15266.3	15242.0	15233.6	15203.1	15189.9
7.5°	15847.9	15844.9	15850.6	15838.4	15838.1	15821.2	15814.2	15792.4	15778.9	15746.9	15726.5
10°	15968.6	15971.4	15966.8	15967.9	15961.4	15959.6	15952.8	15948.6	15937.6	15929.3	15917.1
12.5°	15467.7	15470.7	15451.6	15463.7	15454.1	15476.5	15474.7	15501.0	15505.1	15538.4	15551.0
15°	14310.1	14306.5	14269.8	14292.9	14280.5	14329.6	14340.6	14406.6	14441.9	14526.6	14578.7
17.5°	12561.4	12552.0	12500.4	12528.5	12514.1	12586.4	12610.8	12716.2	12782.1	12918.6	13015.9
20°	10476.8	10458.7	10398.3	10431.3	10416.5	10498.6	10533.3	10660.8	10745.8	10926.5	11055.2
22.5°	8366.4	8337.8	8278.6	8309.3	8295.5	8380.5	8425.6	8553.6	8650.9	8836.5	8986.7
25°	6471.2	6445.7	6388.5	6410.1	6404.9	6476.9	6517.0	6638.0	6733.6	6910.4	7053.7
27.5°	4935.8	4909.2	4857.5	4872.8	4867.6	4928.9	4966.7	5067.8	5150.0	5298.9	5424.8
30°	3777.5	3745.6	3701.8	3710.2	3706.6	3756.3	3791.6	3876.8	3947.3	4073.1	4181.5
32.5°	2895.5	2863.4	2823.2	2827.1	2821.8	2860.8	2889.9	2963.9	3025.3	3132.3	3226.7
35°	2215.5	2253.0	2167.0	2221.5	2164.8	2248.0	2218.1	2264.4	2317.2	2407.3	2486.0
37.5°	1703.1	1677.0	1654.9	1652.6	1652.5	1671.7	1694.5	1739.0	1785.6	1852.8	1922.1
40°	1349.7	1331.3	1317.0	1315.9	1317.0	1330.7	1347.5	1378.4	1412.5	1460.6	1511.6
42.5°	1119.4	1107.3	1098.6	1098.0	1100.7	1110.4	1122.2	1140.4	1162.6	1193.9	1228.8
45°	968.9	962.1	957.3	957.0	958.3	963.3	970.0	981.5	995.6	1015.0	1037.1
47.5°	863.3	861.6	858.6	858.7	857.3	859.3	860.2	866.5	874.1	888.7	917.7
50°	786.3	786.3	784.3	784.1	782.1	782.0	780.4	783.0	786.4	795.5	804.8
52.5°	725.5	725.3	723.1	722.6	720.5	720.4	719.0	720.0	720.4	725.1	730.6
55°	678.0	676.6	673.6	672.6	671.9	673.0	672.6	672.6	672.0	673.9	675.5
57.5°	643.9	642.0	639.2	638.5	638.2	639.7	639.7	639.2	636.6	634.9	632.4
60°	616.9	615.1	612.0	611.3	611.7	613.7	613.6	611.9	608.1	604.7	600.9
62.5°	590.4	589.6	588.1	587.9	587.5	587.9	586.5	584.7	581.0	577.4	573.2
65°	554.9	555.3	554.0	554.2	552.8	552.7	550.6	548.9	545.1	541.8	537.6
67.5°	517.9	518.2	517.2	517.2	516.6	516.7	515.4	513.8	510.6	507.9	504.7
70°	487.5	488.3	487.7	487.9	487.0	486.7	484.7	483.2	479.9	477.7	474.7
72.5°	451.0	452.7	452.6	453.1	451.8	451.0	448.7	446.8	443.8	442.1	439.6
75°	411.7	413.8	414.5	415.4	413.6	412.5	410.0	408.4	406.0	405.0	403.4
77.5°	373.3	375.6	377.9	380.0	376.9	374.3	371.1	368.7	365.1	363.8	361.3
80°	330.2	334.4	339.3	343.5	338.1	332.6	327.3	323.4	318.7	316.9	313.8
82.5°	274.0	278.2	281.1	283.8	280.0	276.0	270.8	267.4	262.4	260.5	256.9
85°	208.1	213.4	215.1	216.5	214.1	212.0	207.2	200.7	197.5	192.6	190.0
87.5°	136.9	140.0	140.7	141.1	139.7	138.6	135.6	132.5	127.1	123.2	118.3
90°	62.0	63.6	61.8	62.0	60.7	61.5	58.9	58.4	54.5	53.5	49.9
92.5°	15.7	14.5	13.8	12.8	14.0	14.6	15.7	16.5	17.5	18.3	19.4
95°	21.2	20.1	19.1	18.1	18.9	19.8	20.6	21.4	22.2	23.0	23.9
97.5°	29.1	28.4	27.7	27.0	27.5	27.9	28.5	29.0	29.4	29.9	30.5
100°	37.0	36.4	35.9	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
102.5°	59.6	57.3	54.9	52.5	54.1	55.7	57.3	58.9	60.6	62.1	63.8
105°	112.8	106.4	99.9	93.4	99.7	105.9	112.3	118.5	124.7	131.1	137.4
107.5°	205.1	194.9	184.7	174.5	185.9	197.3	208.7	220.1	231.5	242.9	254.3
110°	306.6	296.9	287.1	277.4	289.6	301.7	313.8	325.9	337.9	350.0	362.3



TEST NUMBER: P1444794
 CATALOG NUMBER: EHBR1-18-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	374.5	369.9	365.1	360.4	368.2	375.9	383.7	391.7	399.4	407.3	415.1
115°	392.4	392.1	391.9	391.6	395.3	398.9	402.7	406.4	410.1	413.7	417.7
117.5°	371.2	373.7	376.4	379.0	380.2	381.3	382.6	383.8	385.0	386.3	387.7
120°	332.9	336.3	339.9	343.4	342.9	342.5	341.9	341.4	341.2	340.8	340.4
122.5°	288.2	291.6	295.1	298.7	297.7	296.6	295.5	294.6	293.7	292.8	291.9
125°	246.7	249.5	252.5	255.4	254.3	253.3	252.3	251.4	250.4	249.6	248.7
127.5°	214.0	215.8	217.4	219.2	218.8	218.3	217.9	217.5	217.2	217.0	216.7
130°	191.8	192.6	193.3	194.2	194.3	194.4	194.7	194.9	195.4	195.6	196.1
132.5°	179.2	179.2	179.3	179.4	180.0	180.6	181.3	182.0	182.8	183.5	184.5
135°	172.2	171.9	171.7	171.5	172.4	173.1	174.0	175.0	176.0	177.1	178.3
137.5°	169.3	168.8	168.4	168.1	168.9	169.7	170.7	171.6	172.6	173.8	175.1
140°	168.6	168.2	168.0	167.5	168.3	169.2	170.1	171.1	172.2	173.2	174.4
142.5°	168.2	167.7	167.4	167.2	167.9	168.6	169.6	170.4	171.3	172.3	173.5
145°	169.5	169.1	169.0	168.7	169.3	169.8	170.4	171.1	171.7	172.4	173.3
147.5°	169.5	169.2	169.1	168.9	169.3	169.7	170.1	170.6	171.1	171.7	172.4
150°	168.9	168.6	168.5	168.5	168.7	168.9	169.3	169.5	169.9	170.2	170.8
152.5°	166.9	166.6	166.6	166.5	166.7	167.0	167.2	167.4	167.8	168.1	168.4
155°	165.5	165.3	165.2	165.0	165.1	165.1	165.3	165.2	165.5	165.5	165.7
157.5°	165.1	164.9	164.7	164.5	164.5	164.3	164.4	164.3	164.3	164.3	164.4
160°	164.5	164.2	164.1	163.8	163.8	163.7	163.8	163.7	163.8	163.9	163.9
162.5°	165.3	165.1	164.9	164.7	164.6	164.3	164.2	164.1	164.0	163.9	163.8
165°	165.8	165.6	165.4	165.0	165.0	164.9	164.8	164.7	164.7	164.6	164.5
167.5°	167.7	167.3	167.2	166.9	166.7	166.4	166.3	166.0	165.8	165.6	165.6
170°	168.5	168.3	168.2	167.9	167.8	167.6	167.5	167.4	167.3	167.2	167.2
172.5°	170.6	170.4	170.2	170.0	169.9	169.7	169.7	169.7	169.6	169.6	169.5
175°	172.0	171.9	171.8	171.7	171.5	171.4	171.4	171.3	171.2	171.1	171.1
177.5°	172.6	172.6	172.5	172.4	172.4	172.4	172.4	172.4	172.4	172.3	172.3
180°	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4



TEST NUMBER: P1444794
 CATALOG NUMBER: EHBR1-18-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7
2.5°	14747.9	14743.9	14733.7	14728.8	14719.3	14714.5	14707.1	14702.4	14696.4	14692.1	14689.7
5°	15156.5	15137.6	15099.8	15076.5	15035.7	15008.8	14968.3	14938.6	14896.7	14865.9	14826.3
7.5°	15688.1	15659.1	15610.7	15574.0	15516.9	15473.2	15409.2	15358.0	15287.2	15228.4	15156.1
10°	15904.5	15887.6	15865.9	15842.3	15810.7	15779.7	15735.9	15691.3	15631.9	15572.7	15495.5
12.5°	15584.6	15600.5	15631.9	15646.5	15670.5	15678.7	15689.6	15684.4	15674.8	15650.6	15615.6
15°	14678.6	14745.0	14849.9	14922.4	15024.1	15095.5	15189.9	15250.8	15320.7	15362.6	15402.3
17.5°	13188.3	13316.7	13501.8	13649.4	13847.6	14008.8	14206.3	14361.4	14540.6	14678.0	14824.3
20°	11279.4	11459.1	11714.7	11931.7	12218.9	12462.4	12774.4	13035.9	13340.8	13594.9	13869.3
22.5°	9225.0	9436.4	9729.2	9990.9	10333.8	10640.2	11031.1	11376.8	11789.0	12158.3	12566.8
25°	7286.8	7494.0	7792.2	8063.2	8433.5	8771.0	9198.1	9594.6	10073.0	10519.0	11031.1
27.5°	5624.7	5808.8	6070.9	6314.9	6654.0	6985.3	7418.7	7841.6	8352.0	8831.3	9383.3
30°	4343.8	4493.1	4703.2	4899.4	5171.8	5442.7	5828.7	6219.8	6727.7	7224.4	7790.3
32.5°	3366.3	3493.7	3669.0	3828.3	4038.1	4242.4	4526.8	4839.2	5284.8	5760.6	6307.7
35°	2605.9	2714.8	2864.1	3001.3	3173.8	3336.0	3548.2	3771.2	4111.3	4511.5	5001.1
37.5°	2077.6	2122.0	2228.5	2340.9	2484.2	2617.6	2783.5	2948.4	3191.6	3507.5	3907.4
40°	1580.0	1650.5	1737.2	1825.7	1934.2	2041.1	2223.2	2310.9	2471.1	2697.8	3008.2
42.5°	1274.9	1324.4	1385.5	1447.0	1522.6	1597.1	1689.2	1783.0	1902.7	2056.2	2277.0
45°	1066.8	1099.2	1138.5	1179.5	1229.1	1280.0	1341.7	1406.0	1487.2	1581.6	1715.7
47.5°	927.8	945.7	971.3	999.4	1033.5	1068.6	1108.8	1149.7	1200.1	1256.1	1332.5
50°	819.4	834.3	854.2	873.0	896.4	932.5	948.4	971.1	1001.3	1034.3	1077.0
52.5°	740.8	750.8	763.3	774.1	788.9	802.4	820.1	835.8	856.7	876.5	904.1
55°	679.7	683.4	690.4	697.3	707.7	716.9	729.0	739.2	752.6	764.4	781.8
57.5°	632.5	632.9	636.1	639.8	646.4	652.2	660.5	667.2	676.5	684.0	694.4
60°	598.6	596.8	597.5	598.7	602.4	606.2	611.5	615.9	621.8	626.1	631.8
62.5°	570.4	567.6	566.9	566.5	568.4	569.8	572.7	574.8	578.1	579.9	583.1
65°	534.7	531.3	530.0	528.5	529.1	528.6	529.7	529.7	531.5	531.9	533.6
67.5°	502.3	499.5	497.9	495.8	494.9	493.4	492.7	491.3	491.1	489.9	489.6
70°	472.8	470.1	468.7	466.8	465.8	463.9	462.7	460.2	458.8	456.6	455.3
72.5°	438.7	437.2	436.8	435.5	435.1	434.1	433.5	431.8	430.9	428.9	427.8
75°	403.0	401.8	401.6	400.3	400.2	398.9	398.7	396.8	395.9	394.0	393.2
77.5°	360.5	358.7	358.1	356.6	357.0	356.4	356.9	355.5	355.0	353.0	352.4
80°	312.7	310.2	309.3	307.3	307.8	306.9	307.8	307.7	308.5	306.9	306.6
82.5°	256.0	253.3	252.8	251.5	252.4	252.5	254.5	253.4	253.9	252.5	253.0
85°	186.2	184.3	181.6	181.2	179.4	181.3	178.9	180.5	177.9	179.7	177.3
87.5°	115.5	111.4	109.3	106.4	105.3	102.6	101.4	99.4	100.0	99.0	99.6
90°	49.7	46.7	46.7	44.6	45.2	43.5	44.4	43.5	44.8	43.9	45.4
92.5°	20.0	21.0	22.5	24.4	26.0	27.7	29.3	31.1	32.7	34.5	36.1
95°	24.7	25.5	27.8	30.0	32.2	34.5	36.6	38.8	41.1	43.3	45.6
97.5°	30.9	31.4	33.6	35.9	38.1	40.3	42.5	44.8	47.0	49.3	51.5
100°	35.3	35.4	41.7	48.1	54.4	60.8	67.1	73.4	79.8	86.2	92.5
102.5°	65.4	67.0	83.0	99.0	115.1	131.1	147.0	163.1	179.2	195.2	211.3
105°	143.7	150.0	174.4	198.8	223.2	247.7	272.0	296.5	321.0	345.5	370.0
107.5°	265.8	277.3	299.4	321.4	343.5	365.6	387.8	409.8	432.0	454.1	476.4
110°	374.4	386.5	401.4	416.2	431.0	445.8	460.7	475.5	490.4	505.2	520.1



TEST NUMBER: P1444794
 CATALOG NUMBER: EHBR1-18-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	422.9	430.8	439.5	448.2	456.8	465.5	474.2	483.0	491.6	500.4	509.1
115°	421.4	425.2	428.5	432.0	435.4	438.8	442.3	445.8	449.3	452.8	456.3
117.5°	388.8	390.2	390.7	391.4	391.9	392.7	393.3	394.1	394.8	395.6	396.2
120°	340.1	339.8	339.3	338.8	338.5	338.0	337.7	337.3	337.0	336.6	336.3
122.5°	291.0	290.2	289.8	289.4	289.1	288.7	288.4	288.2	287.9	287.6	287.3
125°	247.9	247.2	247.8	248.5	249.1	249.9	250.5	251.4	252.1	252.8	253.6
127.5°	216.4	216.3	217.7	219.2	220.8	222.3	223.8	225.4	226.9	228.5	230.0
130°	196.6	197.1	198.9	200.9	202.6	204.6	206.5	208.5	210.3	212.2	214.1
132.5°	185.3	186.4	188.1	189.9	191.7	193.6	195.5	197.3	199.2	201.1	202.8
135°	179.5	180.8	182.4	184.1	185.8	187.6	189.2	191.1	192.7	194.4	196.1
137.5°	176.2	177.5	178.9	180.2	181.6	183.1	184.5	186.0	187.3	188.7	190.1
140°	175.5	176.8	177.6	178.6	179.4	180.4	181.1	182.1	182.9	183.9	184.7
142.5°	174.4	175.6	176.1	176.7	177.4	178.1	178.7	179.3	179.9	180.5	181.0
145°	174.0	175.0	175.1	175.3	175.6	175.8	176.0	176.2	176.3	176.5	176.6
147.5°	173.0	173.7	173.7	173.8	173.8	173.8	173.9	173.9	173.8	173.9	173.9
150°	171.1	171.6	171.4	171.4	171.2	171.2	171.1	171.0	170.8	170.8	170.6
152.5°	168.8	169.2	168.9	168.9	168.6	168.4	168.3	168.2	167.9	167.7	167.6
155°	165.7	166.0	165.8	165.8	165.6	165.6	165.4	165.5	165.4	165.3	165.2
157.5°	164.3	164.3	164.2	164.2	164.2	164.1	164.1	164.1	164.1	164.2	164.2
160°	163.9	164.0	163.8	163.8	163.7	163.6	163.6	163.6	163.6	163.8	163.8
162.5°	163.6	163.6	163.4	163.4	163.3	163.3	163.3	163.4	163.4	163.5	163.6
165°	164.6	164.7	164.5	164.4	164.3	164.2	164.2	164.1	164.2	164.2	164.2
167.5°	165.5	165.4	165.4	165.5	165.5	165.6	165.6	165.8	165.8	166.0	166.1
170°	167.2	167.2	167.1	167.0	167.0	167.0	167.0	167.0	167.0	167.0	167.0
172.5°	169.5	169.5	169.4	169.2	169.1	169.0	168.9	168.8	168.7	168.6	168.5
175°	171.0	170.9	170.8	170.8	170.7	170.5	170.5	170.3	170.2	170.2	170.1
177.5°	172.2	172.1	172.0	172.0	172.0	171.9	171.9	171.9	171.9	171.9	171.8
180°	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4



TEST NUMBER: P1444794
 CATALOG NUMBER: EHBR1-18-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7
2.5°	14686.7	14686.6	14685.2	14685.8	14686.1	14687.1	14688.4	14689.7	14690.0	14691.0	14691.2
5°	14796.7	14760.3	14733.5	14703.9	14681.7	14661.7	14648.4	14637.7	14633.6	14634.7	14637.2
7.5°	15094.7	15019.7	14957.8	14887.4	14828.8	14766.7	14715.2	14666.2	14630.6	14603.9	14589.1
10°	15421.8	15330.4	15243.0	15141.2	15044.6	14941.5	14848.2	14754.2	14675.7	14607.7	14557.7
12.5°	15566.9	15502.3	15426.8	15330.7	15227.4	15108.4	14988.3	14859.6	14739.8	14628.6	14539.0
15°	15413.2	15413.3	15385.8	15339.7	15267.9	15172.9	15058.5	14924.2	14783.0	14638.8	14507.1
17.5°	14925.4	15017.5	15068.6	15101.0	15091.1	15056.1	14983.3	14880.1	14748.5	14595.0	14434.3
20°	14087.7	14304.8	14459.6	14598.8	14676.8	14728.6	14723.4	14681.4	14587.7	14457.1	14289.8
22.5°	12914.2	13278.6	13566.1	13834.2	14022.2	14175.2	14247.8	14278.8	14236.3	14145.3	13988.1
25°	11488.9	11984.3	12407.1	12817.4	13125.1	13389.6	13548.6	13660.6	13669.5	13622.0	13481.7
27.5°	9905.1	10489.9	11024.9	11570.2	12003.0	12383.3	12632.7	12815.4	12873.4	12865.7	12738.4
30°	8323.3	8937.2	9527.0	10162.9	10698.5	11184.2	11513.8	11760.8	11855.9	11874.2	11751.7
32.5°	6829.5	7434.8	8023.1	8687.8	9277.1	9833.9	10223.3	10516.6	10627.3	10653.4	10519.0
35°	5473.7	6032.2	6591.2	7235.4	7821.4	8397.9	8808.2	9115.4	9218.7	9236.1	9080.7
37.5°	4298.1	4773.9	5261.0	5839.0	6377.2	6918.6	7308.5	7597.1	7672.4	7667.7	7491.7
40°	3308.2	3678.1	4069.4	4545.3	4992.8	5450.5	5779.6	6018.2	6057.8	6028.5	5843.7
42.5°	2487.6	2754.7	3038.5	3393.7	3725.7	4068.2	4307.7	4484.8	4490.5	4444.2	4278.2
45°	1853.2	2113.9	2232.9	2447.7	2661.5	2889.3	3035.5	3145.0	3128.0	3087.3	2961.1
47.5°	1412.7	1513.0	1619.2	1752.4	1876.9	2135.4	2116.2	2292.0	2165.4	2251.7	2061.7
50°	1121.9	1177.9	1235.1	1305.8	1370.8	1438.5	1480.7	1512.2	1508.1	1494.5	1458.1
52.5°	954.5	971.8	999.9	1040.2	1076.5	1113.0	1137.1	1156.6	1157.0	1151.5	1133.2
55°	797.7	819.7	840.0	866.2	911.0	917.9	952.3	945.3	948.0	938.4	948.2
57.5°	703.3	716.1	727.5	743.2	756.1	771.2	780.1	788.6	787.8	785.9	776.6
60°	636.5	643.5	649.8	659.0	666.0	674.6	678.7	683.1	681.6	678.4	670.1
62.5°	584.9	589.4	592.9	598.9	603.1	608.5	610.6	612.5	610.6	607.5	600.2
65°	534.0	536.9	539.1	543.6	546.7	551.2	553.0	554.7	553.0	550.7	545.1
67.5°	488.2	488.5	488.2	490.0	491.0	493.7	494.5	495.7	493.8	491.7	487.0
70°	453.3	452.6	451.8	452.5	452.6	454.0	454.2	454.0	451.6	448.1	442.9
72.5°	426.1	425.8	425.1	425.7	425.7	426.9	426.5	425.9	423.1	419.6	414.5
75°	391.2	390.9	389.6	389.6	388.6	389.0	387.6	386.7	383.5	380.7	376.0
77.5°	350.3	349.6	347.7	346.9	344.9	344.1	341.4	340.1	336.8	334.5	330.5
80°	304.6	303.9	301.4	300.1	296.8	294.7	290.8	288.5	284.8	282.6	278.7
82.5°	251.7	252.0	249.6	247.9	243.2	239.6	234.3	231.5	227.3	225.2	221.3
85°	179.1	176.5	177.9	177.8	174.8	171.7	167.4	164.4	160.9	158.8	156.1
87.5°	98.2	98.8	98.1	97.5	95.4	93.8	90.6	88.8	86.2	85.0	82.8
90°	42.0	41.1	37.9	37.0	33.9	32.1	28.6	27.2	23.9	23.3	21.1
92.5°	34.2	32.3	30.5	28.5	26.7	24.9	22.9	21.1	19.2	18.4	18.0
95°	42.9	40.2	37.5	34.8	32.0	29.3	26.7	24.0	21.3	20.8	20.2
97.5°	48.4	45.2	42.0	38.8	35.6	32.4	29.3	26.1	22.9	22.5	22.2
100°	85.2	77.9	70.5	63.2	55.8	48.4	41.1	33.7	26.5	26.1	25.6
102.5°	193.4	175.5	157.8	139.9	122.1	104.3	86.5	68.7	50.9	48.3	45.7
105°	343.0	315.9	289.1	262.2	235.1	208.1	181.2	154.1	127.2	118.5	109.8
107.5°	451.0	425.6	400.3	375.0	349.6	324.3	298.9	273.5	248.1	232.9	217.7
110°	500.0	480.0	460.0	439.8	419.7	399.6	379.5	359.3	339.3	326.1	313.0



TEST NUMBER: P1444794
 CATALOG NUMBER: EHBR1-18-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	494.4	479.8	465.2	450.4	435.8	421.0	406.3	391.6	376.9	368.8	360.9
115°	447.6	438.8	430.0	421.2	412.3	403.5	394.7	385.8	376.9	372.8	368.7
117.5°	391.9	387.4	383.0	378.5	374.1	369.5	365.1	360.6	356.1	354.7	353.3
120°	335.2	334.0	332.6	331.3	330.1	328.8	327.4	326.1	324.7	325.0	325.2
122.5°	288.1	288.7	289.4	289.9	290.7	291.2	292.0	292.4	293.1	294.3	295.5
125°	255.1	256.5	258.1	259.5	260.9	262.3	263.8	265.1	266.5	267.8	269.1
127.5°	231.8	233.3	235.0	236.5	238.1	239.7	241.4	242.9	244.5	245.6	246.9
130°	215.6	217.0	218.5	219.9	221.4	222.8	224.2	225.6	226.9	228.0	228.9
132.5°	204.2	205.5	206.8	208.0	209.4	210.6	212.0	213.3	214.7	215.4	216.2
135°	197.1	198.1	199.2	200.1	201.2	202.2	203.2	204.2	205.3	206.0	206.5
137.5°	191.0	191.7	192.7	193.4	194.3	195.1	196.1	196.9	198.0	198.3	198.8
140°	185.5	186.3	187.3	188.2	189.0	189.9	191.0	191.9	192.9	193.3	193.8
142.5°	181.8	182.3	183.1	183.7	184.5	185.2	186.0	186.8	187.6	188.1	188.5
145°	177.4	178.1	179.1	179.8	180.6	181.4	182.4	183.3	184.3	184.7	185.0
147.5°	174.7	175.2	176.1	176.7	177.5	178.1	179.1	179.8	180.8	181.1	181.3
150°	171.3	172.0	172.7	173.4	174.2	175.0	175.9	176.8	177.8	178.1	178.5
152.5°	168.3	169.1	169.8	170.7	171.5	172.4	173.4	174.3	175.2	175.5	176.0
155°	166.0	166.7	167.5	168.3	169.2	170.0	171.0	171.8	172.7	173.2	173.6
157.5°	164.9	165.5	166.3	167.0	167.8	168.5	169.5	170.2	171.1	171.4	171.7
160°	164.4	165.1	165.7	166.4	167.0	167.8	168.5	169.3	169.9	170.3	170.6
162.5°	164.2	164.9	165.6	166.1	166.9	167.6	168.3	169.0	169.7	169.9	170.3
165°	164.7	165.2	165.7	166.2	166.7	167.1	167.7	168.2	168.8	169.1	169.5
167.5°	166.6	166.9	167.3	167.7	168.2	168.4	169.0	169.4	169.8	170.1	170.5
170°	167.4	167.8	168.1	168.4	168.9	169.2	169.6	169.9	170.4	170.7	170.9
172.5°	168.7	168.9	169.2	169.4	169.6	169.8	170.1	170.4	170.6	171.0	171.1
175°	170.3	170.3	170.5	170.6	170.6	170.8	171.0	171.1	171.2	171.4	171.6
177.5°	171.9	172.0	172.0	172.1	172.3	172.4	172.4	172.4	172.6	172.8	173.0
180°	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4



TEST NUMBER: P1444794
 CATALOG NUMBER: EHBR1-18-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7
2.5°	14690.7	14690.6	14690.1	14689.4	14688.8	14689.2	14689.8	14691.5	14694.5	14698.8	14704.3
5°	14639.2	14642.2	14643.9	14644.1	14642.6	14641.6	14643.0	14647.1	14655.3	14668.9	14687.4
7.5°	14585.1	14588.8	14594.5	14598.8	14599.5	14598.5	14598.8	14605.1	14620.1	14646.7	14684.0
10°	14527.3	14516.3	14522.2	14532.7	14541.2	14542.7	14543.7	14551.2	14573.2	14613.4	14673.3
12.5°	14474.0	14439.3	14432.6	14442.2	14454.9	14459.0	14457.8	14461.1	14486.8	14540.0	14623.6
15°	14403.9	14338.5	14316.1	14318.6	14334.4	14340.1	14336.0	14329.6	14354.7	14419.6	14527.7
17.5°	14290.4	14185.0	14143.9	14142.1	14160.5	14165.5	14155.3	14135.7	14160.4	14241.4	14375.6
20°	14117.8	13962.2	13884.9	13872.6	13892.6	13886.7	13866.5	13836.8	13869.2	13967.8	14127.4
22.5°	13807.5	13610.4	13478.2	13435.6	13459.6	13443.6	13414.0	13376.1	13419.2	13531.2	13709.0
25°	13300.6	13072.8	12891.9	12790.4	12809.5	12780.8	12748.6	12702.6	12754.0	12882.6	13078.3
27.5°	12555.5	12292.3	12068.2	11900.1	11906.3	11868.7	11831.7	11772.1	11836.3	11988.4	12209.1
30°	11564.7	11260.1	10987.2	10758.8	10738.3	10701.9	10664.0	10585.8	10666.1	10848.3	11106.1
32.5°	10320.4	9982.3	9666.8	9378.1	9323.6	9288.0	9254.2	9164.3	9269.5	9481.8	9778.2
35°	8865.3	8505.1	8163.1	7833.3	7743.1	7707.5	7678.0	7591.8	7723.0	7954.1	8274.1
37.5°	7268.0	6900.0	6560.5	6222.4	6094.8	6046.7	6025.1	5968.7	6120.1	6348.6	6669.9
40°	5628.3	5286.2	4981.7	4683.1	4537.7	4463.9	4452.6	4442.4	4588.7	4787.0	5078.7
42.5°	4094.4	3818.3	3583.6	3355.3	3223.6	3122.8	3122.8	3153.3	3285.1	3433.7	3658.6
45°	2832.2	2647.0	2497.4	2344.9	2385.7	2184.7	2302.7	2242.2	2307.3	2403.1	2549.3
47.5°	1946.9	1845.8	1763.6	1678.4	1616.2	1557.0	1562.1	1600.4	1661.7	1718.5	1794.6
50°	1418.9	1367.5	1325.5	1281.3	1250.5	1224.3	1225.8	1242.3	1274.6	1304.5	1344.3
52.5°	1111.8	1083.4	1060.7	1036.2	1020.0	1007.0	1007.7	1015.8	1033.2	1050.2	1073.1
55°	916.5	913.0	883.4	861.5	853.1	844.4	845.9	849.1	860.9	871.0	886.1
57.5°	768.0	754.6	745.8	734.2	728.9	722.9	724.2	725.4	733.3	740.0	750.9
60°	663.1	653.7	647.4	639.6	636.0	632.2	633.1	633.8	638.8	643.2	651.0
62.5°	593.5	585.1	579.6	573.5	571.1	568.5	569.0	569.2	572.4	575.7	581.5
65°	540.1	533.4	528.8	523.6	521.1	518.3	518.6	518.6	521.3	523.6	528.1
67.5°	483.5	478.5	475.6	471.4	469.6	466.9	466.8	466.0	467.7	468.6	471.7
70°	438.2	433.1	429.4	425.4	423.2	420.7	420.8	420.8	422.9	425.0	428.8
72.5°	410.2	405.4	402.0	398.5	396.4	394.4	394.0	393.7	395.2	396.4	398.9
75°	373.1	369.2	367.3	364.0	362.3	360.0	359.6	358.5	359.2	359.4	361.4
77.5°	328.1	324.4	322.8	319.6	318.2	315.5	315.3	314.1	314.6	314.2	315.7
80°	276.8	273.4	272.6	269.9	269.2	266.7	266.4	264.9	265.3	264.2	264.7
82.5°	219.6	216.5	215.9	213.3	213.3	211.1	210.9	208.7	208.7	206.8	203.8
85°	154.7	152.4	151.5	149.4	148.8	147.0	146.1	143.9	143.2	141.8	141.3
87.5°	81.6	80.2	78.9	78.0	76.1	72.9	72.7	70.4	70.6	69.0	69.1
90°	20.6	18.6	18.3	16.5	15.8	14.5	14.2	14.3	14.6	14.8	15.3
92.5°	17.3	16.7	16.1	15.5	14.8	14.3	13.6	14.3	14.8	15.5	16.1
95°	19.7	19.1	18.6	18.1	17.5	17.0	16.4	17.0	17.5	18.1	18.6
97.5°	21.9	21.5	21.1	20.8	20.5	20.1	19.8	20.2	20.6	20.9	21.2
100°	25.2	24.8	24.4	23.9	23.6	23.1	22.7	23.2	23.7	24.0	24.5
102.5°	43.1	40.5	38.0	35.4	32.8	30.3	27.7	30.3	32.8	35.5	38.1
105°	101.1	92.5	83.8	75.2	66.4	57.8	49.1	57.8	66.4	75.2	83.9
107.5°	202.4	187.2	171.9	156.6	141.2	126.0	110.7	126.1	141.3	156.7	172.0
110°	299.9	286.8	273.5	260.4	247.3	234.0	220.8	234.1	247.4	260.5	273.7



TEST NUMBER: P1444794
 CATALOG NUMBER: EHBR1-18-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	352.9	344.9	337.0	329.0	320.9	312.9	304.8	313.0	321.0	329.2	337.3
115°	364.5	360.3	356.2	352.0	347.7	343.5	339.2	343.7	348.0	352.3	356.6
117.5°	351.9	350.5	349.0	347.6	346.1	344.7	343.1	344.8	346.4	348.1	349.6
120°	325.4	325.7	326.0	326.2	326.4	326.5	326.6	326.7	326.7	326.7	326.6
122.5°	296.7	297.9	299.0	300.2	301.4	302.4	303.4	302.6	301.8	300.9	299.9
125°	270.3	271.6	272.7	274.0	275.1	276.3	277.3	276.6	275.8	274.8	273.7
127.5°	248.1	249.2	250.3	251.5	252.6	253.5	254.4	253.9	253.1	252.3	251.5
130°	229.8	230.9	231.6	232.5	233.4	234.1	234.8	234.4	233.9	233.6	232.9
132.5°	216.9	217.7	218.5	219.2	219.8	220.4	220.8	220.7	220.4	220.2	219.8
135°	207.1	207.8	208.2	208.9	209.2	209.6	209.9	210.0	209.9	209.9	209.6
137.5°	199.1	199.7	199.9	200.2	200.4	200.7	200.7	201.0	201.1	201.4	201.3
140°	194.2	194.5	195.0	195.2	195.6	195.7	195.8	196.1	196.3	196.4	196.4
142.5°	188.9	189.3	189.7	190.0	190.2	190.4	190.5	190.8	191.0	191.1	191.2
145°	185.2	185.6	185.9	186.1	186.2	186.3	186.3	186.7	186.9	187.2	187.4
147.5°	181.7	182.0	182.1	182.3	182.5	182.5	182.6	182.9	183.2	183.3	183.5
150°	179.0	179.3	179.6	179.9	180.2	180.4	180.5	180.7	180.9	180.9	181.0
152.5°	176.4	176.6	176.9	177.2	177.5	177.6	177.7	177.9	178.2	178.3	178.4
155°	173.9	174.3	174.6	175.0	175.1	175.4	175.6	175.9	176.0	176.2	176.3
157.5°	172.1	172.4	172.7	173.0	173.2	173.6	173.8	174.0	174.2	174.4	174.6
160°	170.9	171.2	171.5	171.8	172.1	172.4	172.5	172.8	173.1	173.2	173.5
162.5°	170.6	170.9	171.1	171.3	171.6	171.9	172.2	172.4	172.6	172.8	173.0
165°	169.7	170.1	170.4	170.8	171.1	171.4	171.7	171.9	172.0	172.2	172.3
167.5°	170.7	171.1	171.3	171.7	171.8	172.2	172.5	172.6	172.7	172.9	172.9
170°	171.1	171.5	171.7	172.0	172.3	172.4	172.6	172.7	172.9	173.0	173.1
172.5°	171.4	171.8	172.1	172.4	172.6	172.9	173.2	173.3	173.3	173.2	173.2
175°	171.8	172.1	172.4	172.5	172.8	173.0	173.3	173.1	173.2	173.1	173.1
177.5°	173.4	173.7	173.9	174.1	174.4	174.6	174.9	174.7	174.6	174.3	174.1
180°	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4



TEST NUMBER: P1444794
 CATALOG NUMBER: EHBR1-18-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7
2.5°	14712.2	14719.5	14730.8	14741.0	14756.3	14768.4	14786.7	14800.5	14821.0	14834.4	14856.7
5°	14713.5	14742.3	14780.1	14817.1	14861.4	14901.8	14951.9	14994.6	15044.9	15086.0	15137.5
7.5°	14734.3	14789.8	14856.3	14923.4	14999.2	15070.1	15150.0	15222.3	15301.3	15368.3	15441.4
10°	14749.6	14835.2	14933.3	15031.9	15135.8	15232.3	15329.7	15413.9	15492.5	15557.3	15614.5
12.5°	14728.9	14846.8	14972.6	15094.1	15209.6	15309.4	15393.2	15458.0	15502.6	15533.0	15540.0
15°	14658.0	14800.0	14936.8	15057.8	15153.6	15227.6	15265.8	15283.6	15264.5	15232.5	15162.4
17.5°	14525.9	14675.7	14797.9	14893.4	14944.0	14964.1	14932.3	14877.3	14769.6	14649.9	14477.3
20°	14283.7	14423.1	14511.9	14563.9	14550.3	14500.2	14380.6	14235.2	14020.1	13791.0	13488.5
22.5°	13858.7	13980.6	14027.9	14031.8	13949.2	13823.7	13607.9	13358.5	13019.2	12666.5	12232.7
25°	13220.9	13327.7	13335.1	13293.2	13141.9	12938.6	12621.8	12268.9	11808.0	11337.9	10794.3
27.5°	12355.8	12458.2	12433.1	12354.8	12144.8	11872.9	11467.2	11011.4	10443.0	9887.9	9286.5
30°	11268.3	11377.8	11348.4	11247.9	10998.3	10676.8	10199.4	9669.8	9038.8	8445.9	7836.5
32.5°	9966.9	10105.4	10085.1	9989.7	9729.0	9385.0	8867.0	8305.4	7659.7	7075.5	6482.7
35°	8487.8	8655.9	8664.6	8602.2	8360.2	8020.2	7508.8	6965.1	6346.6	5795.4	5247.8
37.5°	6894.1	7089.0	7129.0	7112.2	6911.7	6611.5	6145.5	5657.8	5110.0	4626.8	4158.5
40°	5291.7	5488.9	5557.4	5577.7	5429.7	5197.2	4814.7	4421.1	3974.5	3583.0	3211.1
42.5°	3830.3	4005.1	4071.3	4112.9	4020.5	3865.5	3586.6	3300.6	2973.4	2691.1	2420.3
45°	2660.2	2783.9	2834.3	2876.1	2825.8	2738.4	2562.2	2383.3	2167.4	1982.8	1808.1
47.5°	1859.8	1928.1	1961.3	1981.6	1962.1	1916.6	1820.6	1717.1	1595.2	1487.4	1383.7
50°	1378.6	1414.9	1432.3	1444.1	1429.8	1404.5	1352.6	1296.2	1229.2	1168.2	1108.5
52.5°	1092.4	1113.3	1123.7	1130.0	1121.8	1106.3	1076.1	1042.7	1002.5	964.8	945.0
55°	920.4	919.3	943.1	931.6	943.1	917.4	912.0	875.3	841.9	818.5	793.0
57.5°	759.0	769.8	774.4	779.5	776.2	771.5	758.6	745.5	727.9	713.2	697.5
60°	657.0	665.9	671.0	676.0	675.7	674.0	666.5	658.7	647.7	638.8	629.3
62.5°	586.8	594.5	599.4	604.3	604.7	604.0	598.4	592.9	585.4	579.9	573.3
65°	531.5	536.9	540.3	544.2	543.9	542.9	537.8	533.3	527.1	523.3	518.5
67.5°	473.6	477.7	480.4	484.0	484.7	484.9	482.1	480.0	477.0	475.9	474.3
70°	432.5	437.4	441.7	446.3	448.8	450.0	448.8	447.7	446.0	445.2	443.9
72.5°	401.4	405.5	408.8	413.0	415.4	417.1	416.2	415.5	414.0	413.8	412.9
75°	362.7	365.6	367.4	370.6	371.8	373.4	372.8	373.1	372.6	373.8	373.8
77.5°	316.2	318.3	319.2	321.5	321.7	323.7	324.0	326.3	327.8	331.4	333.2
80°	263.8	265.2	265.2	267.6	268.6	271.9	273.3	277.0	278.7	281.8	282.1
82.5°	205.0	203.4	205.0	203.9	207.0	210.6	211.1	214.2	214.9	216.9	215.3
85°	140.1	140.0	138.7	139.0	138.1	138.4	138.0	138.5	138.0	138.1	136.6
87.5°	67.2	67.7	66.2	66.8	65.3	66.0	64.7	65.7	64.3	64.5	62.2
90°	15.5	15.8	16.2	16.6	17.1	18.3	19.5	20.6	22.0	23.0	24.3
92.5°	16.7	17.4	18.1	18.6	19.3	21.1	23.0	25.0	26.8	28.7	30.6
95°	19.1	19.7	20.2	20.9	21.4	24.1	26.8	29.5	32.2	35.0	37.7
97.5°	21.7	22.1	22.4	22.7	23.1	26.3	29.5	32.7	35.9	39.1	42.3
100°	25.0	25.4	25.8	26.3	26.6	34.0	41.4	48.7	56.1	63.5	70.9
102.5°	40.6	43.2	45.8	48.5	51.1	69.0	86.9	104.7	122.4	140.3	158.2
105°	92.6	101.3	110.1	118.8	127.4	154.5	181.6	208.6	235.5	262.5	289.6
107.5°	187.4	202.6	218.0	233.3	248.6	274.0	299.4	324.8	350.2	375.6	401.0
110°	287.0	300.2	313.4	326.6	339.9	360.0	380.2	400.3	420.5	440.7	460.8



TEST NUMBER: P1444794
 CATALOG NUMBER: EHBR1-18-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	345.4	353.4	361.5	369.4	377.5	392.3	407.1	421.9	436.8	451.4	466.2
115°	360.9	365.0	369.4	373.6	377.9	386.8	395.7	404.6	413.5	422.3	431.3
117.5°	351.1	352.7	354.2	355.6	357.1	361.7	366.3	370.8	375.4	379.9	384.5
120°	326.6	326.4	326.4	326.2	326.0	327.3	328.8	330.2	331.7	333.0	334.3
122.5°	299.0	297.8	296.8	295.7	294.7	294.0	293.6	292.9	292.4	291.9	291.3
125°	272.8	271.7	270.5	269.4	268.2	266.9	265.6	264.2	262.8	261.5	260.1
127.5°	250.6	249.6	248.7	247.5	246.5	244.9	243.4	241.9	240.4	238.9	237.3
130°	232.4	231.6	230.9	229.9	229.3	227.9	226.6	225.2	223.8	222.5	221.1
132.5°	219.4	218.8	218.4	217.6	217.1	215.8	214.7	213.3	212.1	210.8	209.7
135°	209.4	209.1	208.9	208.4	207.9	206.9	206.1	205.1	204.1	203.2	202.3
137.5°	201.4	201.2	201.1	200.9	200.8	199.8	199.1	198.3	197.5	196.7	195.9
140°	196.4	196.3	196.2	196.0	195.8	195.0	194.2	193.2	192.5	191.6	190.8
142.5°	191.1	191.1	191.0	190.8	190.6	189.9	189.4	188.7	188.0	187.4	186.7
145°	187.4	187.4	187.4	187.3	187.4	186.5	185.9	184.9	184.4	183.5	182.9
147.5°	183.7	183.7	183.8	183.8	183.9	183.2	182.7	182.0	181.5	180.7	180.3
150°	181.1	181.1	181.0	181.0	180.9	180.4	179.8	179.1	178.6	177.9	177.4
152.5°	178.5	178.6	178.6	178.6	178.7	178.1	177.5	176.8	176.2	175.5	175.0
155°	176.4	176.5	176.5	176.5	176.5	175.9	175.3	174.8	174.2	173.6	173.0
157.5°	174.7	174.8	174.9	175.0	175.0	174.5	174.0	173.5	173.0	172.5	172.1
160°	173.6	173.8	173.8	173.8	174.0	173.7	173.3	172.8	172.4	172.0	171.4
162.5°	173.2	173.4	173.5	173.5	173.7	173.3	172.9	172.5	172.1	171.6	171.1
165°	172.4	172.4	172.4	172.4	172.4	172.2	172.0	171.7	171.4	171.1	170.9
167.5°	173.0	173.0	173.1	173.1	173.1	172.9	172.9	172.5	172.4	172.2	172.0
170°	173.2	173.2	173.2	173.3	173.3	173.1	172.8	172.6	172.6	172.2	172.0
172.5°	173.1	173.1	173.0	173.0	172.9	172.8	172.6	172.5	172.4	172.4	172.2
175°	173.0	172.9	172.8	172.8	172.6	172.6	172.6	172.6	172.5	172.5	172.4
177.5°	174.0	173.9	173.7	173.5	173.4	173.3	173.3	173.3	173.3	173.2	173.1
180°	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4



TEST NUMBER: P1444794
 CATALOG NUMBER: EHBR1-18-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7
2.5°	14870.6	14778.7	14766.6	14773.0	14788.4	14794.1	14810.6	14815.1	14831.8	14835.9	14851.9
5°	15177.3	15056.0	15062.0	15091.3	15135.4	15161.8	15205.2	15227.9	15269.4	15288.2	15325.7
7.5°	15500.9	15405.6	15435.3	15484.5	15545.0	15586.8	15639.0	15673.0	15717.9	15745.8	15781.8
10°	15659.8	15633.7	15666.4	15705.1	15739.6	15766.6	15788.7	15806.4	15817.9	15828.8	15833.6
12.5°	15538.9	15579.3	15584.8	15581.1	15558.3	15540.9	15501.7	15475.1	15427.9	15399.1	15342.8
15°	15090.7	15179.6	15130.4	15055.9	14946.9	14855.9	14727.5	14632.0	14498.3	14407.6	14273.5
17.5°	14304.2	14416.4	14288.2	14115.7	13896.4	13708.8	13475.1	13289.6	13057.4	12888.4	12671.6
20°	13196.9	13301.8	13073.0	12787.3	12448.0	12162.4	11825.7	11557.1	11244.1	11011.4	10730.5
22.5°	11818.4	11893.0	11570.8	11185.5	10753.2	10396.5	9993.9	9671.8	9314.8	9048.6	8749.1
25°	10293.2	10313.3	9926.8	9482.8	9001.1	8600.2	8170.4	7831.8	7467.6	7197.9	6904.0
27.5°	8753.7	8724.2	8306.5	7835.8	7329.0	6912.3	6493.1	6175.8	5856.8	5613.8	5360.6
30°	7300.8	7229.2	6795.4	6311.7	5819.7	5446.3	5098.2	4843.4	4589.7	4396.9	4193.7
32.5°	5968.4	5867.4	5445.2	4991.9	4577.5	4289.2	4031.1	3838.3	3633.4	3470.7	3300.0
35°	4788.2	4680.7	4306.6	3922.3	3608.6	3396.1	3193.3	3035.1	2861.2	2723.9	2575.6
37.5°	3775.4	3687.2	3373.9	3071.5	2834.3	2669.5	2503.4	2374.1	2230.4	2169.9	2011.6
40°	2914.6	2853.0	2608.0	2385.1	2206.9	2129.6	1960.8	1840.1	1732.6	1644.0	1558.2
42.5°	2273.4	2251.6	2013.2	1839.3	1713.9	1616.4	1522.4	1446.1	1371.8	1310.7	1253.1
45°	1668.4	1651.1	1545.2	1444.9	1359.4	1291.3	1227.7	1175.3	1126.6	1086.4	1049.8
47.5°	1299.2	1293.6	1232.7	1170.4	1116.6	1072.8	1031.6	996.8	964.5	937.6	928.9
50°	1056.7	1055.9	1020.2	981.8	943.4	918.1	891.8	871.2	850.5	834.4	817.3
52.5°	897.8	893.9	869.8	846.0	823.3	806.7	789.8	776.7	763.0	753.0	742.4
55°	772.9	777.0	763.0	748.9	734.6	724.3	712.5	703.9	694.4	688.1	681.8
57.5°	686.2	691.6	684.3	676.2	667.5	660.7	652.6	646.7	640.3	636.3	632.7
60°	623.1	629.0	626.1	622.0	616.7	612.6	607.4	604.1	600.0	597.7	595.7
62.5°	569.5	576.9	575.9	574.0	570.5	568.3	565.4	563.9	561.3	560.3	559.4
65°	516.1	524.4	524.2	523.3	521.4	520.8	519.0	518.6	517.3	517.9	517.7
67.5°	474.1	481.3	482.9	484.1	484.0	484.5	484.3	485.0	485.0	486.0	486.7
70°	443.8	448.8	450.0	451.2	451.6	452.5	452.5	453.2	453.0	453.8	454.0
72.5°	413.2	419.8	420.9	421.9	421.9	422.9	422.4	422.2	420.9	420.6	419.7
75°	375.0	383.5	385.3	386.5	386.7	387.6	386.4	385.7	383.5	382.6	381.0
77.5°	335.2	344.0	345.3	345.7	345.0	345.2	342.8	341.2	338.4	337.3	335.8
80°	283.3	296.3	297.4	296.5	294.5	294.1	291.8	290.3	286.9	285.8	284.5
82.5°	215.6	230.8	232.9	233.8	232.3	232.6	230.4	229.5	226.4	225.9	223.9
85°	136.1	151.3	153.8	153.4	151.8	151.4	150.1	150.6	150.3	151.1	151.6
87.5°	62.5	77.2	80.8	79.7	79.5	78.4	76.1	77.0	78.4	79.3	79.4
90°	25.5	31.2	32.2	31.6	29.5	28.7	26.7	26.3	24.6	23.9	22.3
92.5°	32.5	34.4	36.2	34.6	32.9	31.2	29.5	27.8	26.2	24.4	22.8
95°	40.4	43.0	45.7	43.5	41.3	39.0	36.8	34.7	32.4	30.2	27.9
97.5°	45.5	48.6	51.7	49.5	47.2	44.9	42.7	40.5	38.3	36.1	33.8
100°	78.3	85.3	92.7	86.4	79.9	73.6	67.3	60.9	54.6	48.3	41.9
102.5°	175.9	193.6	211.4	195.4	179.3	163.3	147.3	131.3	115.2	99.1	83.2
105°	316.5	343.3	370.2	345.6	321.2	296.7	272.3	247.9	223.4	198.9	174.5
107.5°	426.3	451.3	476.5	454.4	432.3	410.1	387.9	365.9	343.8	321.5	299.5
110°	480.9	500.5	520.5	505.5	490.7	475.8	461.0	446.0	431.2	416.4	401.5



TEST NUMBER: P1444794
 CATALOG NUMBER: EHBR1-18-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	480.9	495.0	509.5	500.7	491.9	483.2	474.5	465.7	457.1	448.4	439.7
115°	440.0	448.1	456.8	453.2	449.7	446.2	442.6	439.2	435.6	432.2	428.8
117.5°	389.0	392.5	396.8	396.0	395.3	394.6	393.8	393.1	392.4	391.8	391.1
120°	335.7	336.0	337.0	337.3	337.6	337.9	338.3	338.6	338.9	339.3	339.8
122.5°	290.7	289.0	288.1	288.3	288.6	288.8	289.1	289.4	289.7	290.0	290.4
125°	258.7	256.1	254.3	253.6	252.8	252.1	251.4	250.5	249.9	249.2	248.6
127.5°	235.7	232.9	231.0	229.5	228.0	226.3	224.8	223.2	221.7	220.1	218.7
130°	219.8	216.9	215.2	213.3	211.5	209.4	207.6	205.8	203.8	201.9	200.0
132.5°	208.4	205.6	204.0	202.3	200.5	198.6	196.9	194.9	193.0	191.2	189.4
135°	201.2	198.7	197.4	195.6	194.2	192.4	190.6	189.0	187.4	185.5	184.0
137.5°	195.0	192.6	191.4	190.0	188.8	187.4	186.0	184.7	183.3	181.8	180.6
140°	189.9	187.3	186.0	185.3	184.6	183.6	182.8	182.0	181.2	180.4	179.4
142.5°	186.0	183.5	182.5	182.0	181.5	180.8	180.5	179.9	179.3	178.6	178.0
145°	182.0	179.2	178.1	177.9	177.9	177.8	177.7	177.5	177.4	177.2	177.1
147.5°	179.5	176.7	175.5	175.5	175.5	175.5	175.6	175.5	175.6	175.6	175.6
150°	176.5	173.4	172.1	172.3	172.4	172.5	172.6	172.8	173.0	173.1	173.3
152.5°	174.2	170.3	168.8	169.0	169.3	169.4	169.7	169.8	170.1	170.3	170.6
155°	172.3	168.1	166.5	166.5	166.5	166.7	166.7	166.9	167.0	167.1	167.3
157.5°	171.3	167.0	165.5	165.4	165.3	165.4	165.4	165.4	165.5	165.6	165.6
160°	171.0	166.6	165.1	165.0	164.9	164.9	164.9	164.8	164.9	165.0	165.1
162.5°	170.6	166.3	164.9	164.7	164.5	164.5	164.6	164.4	164.5	164.5	164.6
165°	170.5	166.8	165.4	165.3	165.4	165.3	165.4	165.4	165.5	165.6	165.7
167.5°	171.6	168.3	167.2	167.1	167.0	166.8	166.8	166.6	166.6	166.5	166.5
170°	171.8	169.0	168.2	168.2	168.3	168.1	168.1	168.2	168.2	168.1	168.2
172.5°	172.0	170.0	169.4	169.5	169.7	169.7	169.8	169.8	170.0	170.1	170.3
175°	172.4	171.2	171.0	170.9	170.9	171.0	171.1	171.1	171.1	171.2	171.4
177.5°	173.1	172.7	172.5	172.5	172.5	172.5	172.5	172.5	172.5	172.6	172.6
180°	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4



TEST NUMBER: P1444794
 CATALOG NUMBER: EHBR1-18-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7
2.5°	14854.9	14872.2	14870.9	14887.0	14886.3	14901.5	14898.4	14911.6	14908.6	14919.8	14913.2
5°	15342.2	15375.1	15386.0	15415.7	15421.9	15448.5	15449.0	15470.2	15467.6	15484.1	15475.4
7.5°	15803.1	15833.9	15848.5	15871.6	15883.1	15902.3	15909.7	15925.5	15929.2	15938.5	15938.2
10°	15842.0	15841.9	15849.2	15845.9	15852.3	15848.6	15856.5	15853.6	15865.3	15862.3	15871.0
12.5°	15318.6	15266.6	15247.7	15201.0	15190.8	15150.8	15153.6	15128.0	15140.4	15124.5	15151.4
15°	14193.6	14073.2	14013.6	13908.8	13875.9	13793.1	13786.4	13731.4	13746.2	13717.5	13759.6
17.5°	12531.3	12341.6	12237.4	12084.5	12023.7	11906.6	11883.0	11812.2	11823.2	11787.6	11838.4
20°	10549.3	10320.0	10188.8	10011.7	9932.8	9793.2	9756.2	9677.0	9686.9	9651.4	9708.9
22.5°	8544.7	8304.7	8156.5	7971.0	7870.3	7738.9	7699.5	7619.9	7624.5	7591.1	7646.4
25°	6702.5	6472.5	6328.6	6160.1	6072.7	5952.3	5910.8	5839.5	5843.5	5816.0	5865.5
27.5°	5184.9	4996.1	4875.8	4734.5	4656.2	4557.1	4516.8	4456.7	4456.5	4436.4	4477.9
30°	4051.7	3894.2	3786.1	3663.1	3589.4	3500.2	3461.2	3407.4	3405.1	3390.7	3423.7
32.5°	3172.4	3032.3	2933.7	2825.5	2759.3	2682.8	2645.8	2602.6	2598.6	2585.7	2612.8
35°	2466.2	2348.1	2263.3	2172.2	2178.9	2065.9	2084.7	1996.8	1973.0	1967.8	1987.9
37.5°	1906.1	1814.7	1745.8	1677.5	1631.3	1583.5	1557.8	1534.7	1532.1	1529.9	1543.9
40°	1491.9	1427.9	1377.9	1331.0	1299.3	1270.1	1254.0	1241.3	1238.3	1236.6	1245.1
42.5°	1207.5	1164.3	1132.0	1103.4	1084.2	1068.3	1059.5	1052.4	1050.1	1050.1	1055.1
45°	1020.2	994.0	973.2	955.4	943.1	948.5	932.6	940.9	929.9	941.2	933.7
47.5°	898.4	876.1	863.3	850.7	843.1	837.2	837.4	837.5	839.9	840.3	842.7
50°	804.5	791.5	782.6	774.6	770.7	767.5	768.6	769.4	771.7	771.9	773.6
52.5°	734.9	726.4	721.0	716.1	714.3	712.5	713.3	712.9	714.0	713.5	714.9
55°	678.3	674.3	672.6	670.8	671.1	670.5	670.9	669.1	668.0	666.6	667.9
57.5°	631.8	631.3	632.5	633.2	635.4	636.1	636.6	634.5	632.6	630.8	631.8
60°	596.1	597.0	599.8	602.1	605.2	606.6	607.4	606.2	604.8	603.3	604.3
62.5°	560.8	562.2	565.5	568.1	571.8	573.7	575.9	575.9	576.5	575.9	576.6
65°	519.9	521.5	524.6	526.8	530.2	531.9	534.0	534.4	535.6	535.3	536.3
67.5°	488.6	490.2	492.7	494.8	497.9	499.6	501.5	501.6	502.1	502.0	503.0
70°	455.5	456.2	458.6	460.2	463.3	465.1	467.3	468.0	469.3	469.5	470.6
72.5°	420.1	419.8	421.1	421.8	424.2	425.6	428.4	430.0	432.2	432.8	433.6
75°	381.5	381.2	382.8	383.5	385.4	386.9	390.0	392.0	395.6	397.1	396.6
77.5°	336.9	337.6	340.7	342.4	345.0	346.9	350.9	354.1	360.5	363.4	360.5
80°	286.9	287.8	291.0	292.5	296.0	298.1	302.7	306.4	312.3	313.6	311.9
82.5°	225.6	225.8	228.6	229.8	234.3	237.6	243.3	246.3	250.0	249.4	248.9
85°	153.8	155.9	159.5	163.0	168.4	173.8	179.2	183.6	180.5	185.4	179.8
87.5°	82.2	82.0	86.8	86.1	93.7	98.1	102.9	105.1	107.6	107.0	107.1
90°	21.9	20.7	20.7	19.5	19.8	18.4	19.2	18.0	19.0	17.4	19.8
92.5°	21.1	20.2	19.3	18.4	17.4	16.7	15.7	14.7	13.9	12.9	13.9
95°	25.7	24.9	24.0	23.1	22.3	21.5	20.7	19.8	19.0	18.2	19.2
97.5°	31.6	31.1	30.7	30.1	29.6	29.2	28.7	28.1	27.6	27.1	27.8
100°	35.6	35.6	35.6	35.6	35.5	35.5	35.5	35.5	35.5	35.5	36.1
102.5°	67.1	65.5	63.9	62.3	60.7	59.1	57.5	55.9	54.3	52.7	55.1
105°	150.1	143.8	137.5	131.2	124.9	118.7	112.4	106.1	99.9	93.6	100.1
107.5°	277.4	266.0	254.5	243.2	231.7	220.2	208.9	197.5	186.0	174.7	184.9
110°	386.7	374.5	362.4	350.3	338.1	326.1	314.0	301.9	289.7	277.6	287.3



TEST NUMBER: P1444794
 CATALOG NUMBER: EHBR1-18-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	431.1	423.1	415.2	407.4	399.5	391.8	383.9	376.1	368.4	360.5	365.3
115°	425.4	421.6	417.8	414.0	410.4	406.6	402.8	399.1	395.5	391.8	392.0
117.5°	390.5	389.1	387.8	386.5	385.2	384.1	382.8	381.6	380.4	379.3	376.7
120°	340.2	340.4	340.7	341.2	341.5	341.9	342.2	342.8	343.2	343.7	340.1
122.5°	290.7	291.5	292.3	293.2	294.1	295.1	295.9	297.0	298.0	299.1	295.5
125°	247.8	248.6	249.3	250.2	251.0	251.9	252.8	254.0	254.9	256.0	253.0
127.5°	217.2	217.4	217.4	217.7	218.0	218.3	218.7	219.2	219.7	220.1	218.3
130°	198.2	197.6	197.1	196.7	196.3	196.0	195.7	195.5	195.4	195.2	194.3
132.5°	187.5	186.6	185.7	184.8	184.0	183.3	182.5	182.0	181.3	180.8	180.6
135°	182.2	181.0	179.8	178.6	177.5	176.5	175.5	174.7	173.8	173.0	173.3
137.5°	179.1	177.9	176.6	175.5	174.4	173.5	172.4	171.5	170.7	169.8	170.2
140°	178.7	177.4	176.2	175.1	174.0	173.0	172.1	171.2	170.2	169.6	169.8
142.5°	177.5	176.5	175.4	174.3	173.3	172.4	171.6	170.8	169.9	169.4	169.6
145°	176.8	176.1	175.2	174.4	173.8	173.2	172.4	171.9	171.3	171.0	171.1
147.5°	175.6	175.1	174.3	173.8	173.2	172.8	172.3	171.9	171.4	171.2	171.2
150°	173.4	173.1	172.6	172.4	171.9	171.6	171.3	171.1	170.8	170.7	170.6
152.5°	170.8	170.5	170.1	169.8	169.5	169.3	169.0	168.8	168.6	168.4	168.4
155°	167.5	167.3	167.2	167.0	167.0	167.0	166.9	166.9	166.9	166.8	166.9
157.5°	165.7	165.7	165.7	165.8	165.8	165.9	165.8	166.0	166.0	166.2	166.3
160°	165.3	165.3	165.2	165.2	165.2	165.2	165.1	165.2	165.2	165.3	165.5
162.5°	164.7	164.9	164.9	165.0	165.2	165.3	165.5	165.7	165.8	166.0	166.2
165°	165.8	165.7	165.7	165.7	165.8	165.8	165.8	166.1	166.1	166.2	166.5
167.5°	166.4	166.6	166.6	166.7	166.8	167.0	167.1	167.3	167.5	167.8	168.0
170°	168.2	168.2	168.2	168.2	168.2	168.3	168.3	168.3	168.4	168.5	168.7
172.5°	170.4	170.4	170.3	170.4	170.3	170.4	170.4	170.4	170.4	170.5	170.6
175°	171.3	171.6	171.7	171.7	171.8	171.9	172.0	172.0	172.1	172.2	172.2
177.5°	172.6	172.6	172.6	172.6	172.6	172.7	172.7	172.7	172.7	172.6	172.7
180°	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4



TEST NUMBER: P1444794
 CATALOG NUMBER: EHBR1-18-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7
2.5°	14924.2	14916.8	14924.4	14916.7	14924.4	14915.1	14921.4	14911.4	14913.9	14903.4	14906.1
5°	15488.5	15476.6	15482.9	15467.5	15469.1	15448.5	15448.1	15424.0	15417.7	15390.3	15378.3
7.5°	15944.8	15940.9	15943.2	15933.2	15932.1	15917.9	15911.2	15891.4	15878.9	15853.6	15836.5
10°	15872.6	15884.3	15887.3	15899.1	15901.5	15913.3	15915.8	15927.5	15929.9	15938.7	15938.8
12.5°	15150.1	15189.6	15199.1	15247.9	15268.5	15324.3	15354.2	15415.7	15452.3	15513.6	15551.3
15°	13758.4	13826.7	13853.9	13949.2	14002.0	14113.2	14183.0	14310.7	14400.9	14536.6	14633.3
17.5°	11842.9	11938.4	11981.4	12110.6	12195.0	12359.1	12477.4	12672.1	12821.2	13037.6	13209.2
20°	9718.7	9824.9	9883.4	10030.7	10130.2	10322.0	10469.7	10709.1	10908.5	11182.8	11417.3
22.5°	7663.7	7764.7	7829.7	7979.6	8091.6	8291.6	8456.7	8709.4	8933.0	9242.0	9523.1
25°	5884.3	5976.9	6035.6	6171.2	6276.4	6460.2	6617.9	6860.7	7079.6	7389.5	7677.9
27.5°	4498.5	4576.0	4632.6	4748.2	4841.0	4996.9	5132.3	5333.1	5521.6	5789.8	6046.5
30°	3443.9	3512.7	3567.7	3668.4	3754.4	3889.6	4008.7	4177.3	4333.4	4546.7	4750.9
32.5°	2631.8	2691.0	2740.0	2828.2	2906.2	3027.8	3135.2	3282.9	3416.9	3597.8	3765.9
35°	2006.6	2123.0	2114.7	2236.4	2256.0	2343.3	2439.0	2568.3	2686.9	2840.7	2983.7
37.5°	1557.4	1590.2	1625.3	1679.0	1735.5	1814.9	1895.8	2053.7	2111.7	2227.9	2346.3
40°	1256.0	1278.0	1301.2	1337.6	1377.1	1433.1	1491.9	1567.3	1644.4	1738.8	1835.1
42.5°	1061.8	1074.3	1089.0	1110.4	1134.7	1170.2	1209.6	1260.7	1314.5	1380.8	1448.5
45°	948.7	942.7	947.1	958.6	973.2	994.8	1019.7	1051.3	1086.3	1129.2	1175.0
47.5°	843.1	845.6	846.9	853.1	860.9	875.5	890.6	912.0	953.4	966.1	991.1
50°	773.5	774.7	774.3	777.5	781.5	790.9	800.7	815.2	829.6	848.9	867.3
52.5°	715.1	716.8	716.5	718.6	720.7	726.7	732.8	743.2	752.7	764.9	775.4
55°	669.0	671.3	672.1	673.9	674.9	678.1	680.5	685.4	689.4	696.4	702.7
57.5°	633.5	636.6	638.1	638.6	637.4	637.2	636.4	637.4	638.3	642.0	645.5
60°	605.7	608.1	608.5	608.1	605.8	604.2	601.6	600.7	600.3	602.1	604.1
62.5°	576.4	577.3	576.7	575.9	573.3	571.8	569.0	568.0	567.1	568.4	569.4
65°	536.0	536.7	536.0	535.6	533.2	532.0	529.6	528.9	527.6	527.9	527.7
67.5°	503.2	503.9	503.4	502.7	501.1	500.3	498.6	497.5	495.9	495.4	494.2
70°	470.5	471.0	470.1	469.5	467.7	466.9	465.4	465.1	463.8	463.5	462.3
72.5°	432.8	432.8	431.5	431.2	429.8	429.8	429.1	429.7	429.7	430.3	430.0
75°	394.3	393.7	392.1	391.9	390.8	391.3	390.5	391.5	391.7	393.1	393.2
77.5°	355.7	353.7	350.6	349.1	347.0	346.8	345.5	346.4	346.1	347.8	348.4
80°	307.0	304.6	300.5	298.7	296.2	295.8	294.7	295.8	295.2	297.2	298.5
82.5°	245.1	243.0	238.9	237.3	234.5	234.8	233.6	234.8	234.6	237.4	239.1
85°	181.3	179.9	175.6	171.9	167.7	165.2	162.8	162.4	161.6	162.8	163.8
87.5°	104.7	103.4	100.1	97.9	90.6	90.8	87.9	87.8	87.1	86.5	87.9
90°	19.6	21.6	21.4	23.4	23.4	25.5	25.8	27.9	27.8	29.9	30.1
92.5°	14.7	15.7	16.6	17.4	18.4	19.3	20.1	21.1	23.0	24.9	26.9
95°	20.2	21.3	22.4	23.4	24.4	25.5	26.6	27.6	30.5	33.3	36.1
97.5°	28.6	29.2	29.9	30.6	31.3	32.0	32.7	33.4	36.5	39.6	42.7
100°	36.6	37.2	37.7	38.3	38.8	39.4	40.0	40.5	46.5	52.5	58.3
102.5°	57.5	59.8	62.1	64.6	66.9	69.2	71.6	74.0	87.7	101.2	114.8
105°	106.6	113.0	119.5	126.0	132.5	138.9	145.5	152.0	173.7	195.4	217.1
107.5°	195.1	205.3	215.6	225.8	236.1	246.3	256.5	266.8	288.0	309.3	330.4
110°	297.1	306.8	316.6	326.4	336.1	345.8	355.7	365.5	378.2	391.0	403.8



TEST NUMBER: P1444794
 CATALOG NUMBER: EHBR1-18-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	370.0	374.7	379.6	384.3	389.1	393.9	398.7	403.6	410.0	416.4	422.9
115°	392.4	392.7	393.1	393.2	393.6	394.0	394.5	394.9	397.0	399.0	401.2
117.5°	374.1	371.4	368.8	366.3	363.7	361.3	358.8	356.4	356.1	355.7	355.5
120°	336.8	333.3	329.9	326.3	323.0	319.6	316.3	313.0	311.4	309.8	308.2
122.5°	292.2	288.7	285.3	281.8	278.6	275.2	272.0	268.9	267.8	266.7	265.6
125°	250.1	247.4	244.6	241.7	239.1	236.4	233.7	231.1	231.2	231.3	231.5
127.5°	216.6	214.9	213.3	211.6	210.1	208.6	207.1	205.6	206.5	207.6	208.4
130°	193.7	193.0	192.4	191.7	191.4	190.8	190.3	189.9	191.5	192.9	194.4
132.5°	180.6	180.6	180.6	180.6	180.7	180.9	181.2	181.3	183.1	184.7	186.4
135°	173.5	173.8	174.2	174.6	175.1	175.6	176.2	176.7	178.4	180.0	181.7
137.5°	170.7	171.1	171.6	172.3	172.9	173.5	174.3	175.0	176.3	177.6	178.9
140°	170.2	170.5	171.0	171.5	172.0	172.5	173.2	173.8	175.0	175.9	177.0
142.5°	170.0	170.2	170.7	171.1	171.7	172.2	172.7	173.2	174.0	174.8	175.8
145°	171.3	171.6	172.0	172.3	172.6	173.1	173.5	173.8	174.4	175.0	175.6
147.5°	171.4	171.6	171.9	172.2	172.5	172.8	173.0	173.3	173.8	174.1	174.5
150°	170.7	170.9	171.1	171.1	171.3	171.6	171.8	172.0	172.4	172.6	172.9
152.5°	168.6	168.7	168.8	168.9	169.1	169.3	169.4	169.6	169.9	170.2	170.5
155°	167.0	167.2	167.4	167.6	167.9	168.0	168.3	168.4	168.7	168.9	169.2
157.5°	166.5	166.6	166.9	167.0	167.2	167.4	167.7	167.8	168.1	168.3	168.4
160°	165.7	166.0	166.2	166.6	166.9	167.0	167.3	167.7	167.9	168.1	168.3
162.5°	166.4	166.6	166.9	167.0	167.2	167.4	167.6	167.8	168.2	168.3	168.6
165°	166.8	167.0	167.3	167.5	167.9	168.2	168.3	168.7	168.8	169.1	169.3
167.5°	168.3	168.4	168.8	169.0	169.3	169.6	169.7	170.0	170.2	170.3	170.6
170°	169.0	169.2	169.4	169.7	169.9	170.0	170.3	170.6	170.9	171.1	171.2
172.5°	170.8	170.9	171.1	171.2	171.4	171.6	171.8	172.0	172.3	172.4	172.5
175°	172.2	172.2	172.3	172.3	172.4	172.4	172.4	172.5	172.5	172.6	172.6
177.5°	172.8	172.8	172.9	173.0	173.1	173.1	173.2	173.3	173.3	173.3	173.3
180°	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4



TEST NUMBER: P1444794
 CATALOG NUMBER: EHBR1-18-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7
2.5°	14895.7	14896.4	14884.3	14883.7	14872.4	14871.0	14860.0	14856.7	14847.8	14844.6	14835.5
5°	15347.6	15333.0	15299.2	15279.3	15245.9	15223.7	15187.6	15164.0	15129.1	15102.7	15067.6
7.5°	15804.7	15782.0	15744.0	15713.2	15666.9	15629.8	15575.6	15531.1	15472.4	15421.5	15359.8
10°	15938.8	15935.2	15925.5	15911.5	15890.0	15865.6	15828.8	15790.2	15738.8	15682.8	15614.2
12.5°	15608.9	15644.6	15693.1	15721.9	15756.9	15772.3	15786.6	15783.0	15773.6	15745.3	15705.6
15°	14773.4	14873.4	15006.0	15108.7	15226.8	15312.7	15407.6	15466.7	15525.6	15552.8	15569.5
17.5°	13444.3	13633.8	13871.4	14068.3	14295.5	14478.1	14678.1	14828.7	14983.6	15094.5	15194.9
20°	11737.0	12011.5	12347.7	12644.6	12989.7	13289.7	13618.5	13888.4	14166.8	14384.4	14590.4
22.5°	9885.2	10211.3	10617.6	10994.0	11439.0	11839.0	12290.3	12683.1	13093.2	13435.7	13767.0
25°	8064.2	8421.9	8866.1	9286.1	9790.1	10255.4	10790.5	11280.1	11810.1	12270.2	12724.9
27.5°	6401.4	6752.6	7206.1	7653.2	8186.2	8681.9	9255.3	9794.7	10398.2	10954.7	11524.0
30°	5034.8	5332.6	5739.3	6172.2	6698.0	7202.5	7782.0	8336.7	8964.6	9572.3	10213.5
32.5°	3988.9	4215.8	4535.5	4901.7	5386.7	5866.9	6418.9	6954.3	7572.6	8186.4	8853.3
35°	3168.0	3344.9	3588.7	3874.3	4285.1	4699.0	5187.3	5674.2	6251.1	6833.5	7481.8
37.5°	2498.1	2641.7	2832.6	3047.2	3376.7	3716.4	4116.7	4520.3	5021.6	5537.9	6125.5
40°	1950.8	2066.9	2215.6	2375.7	2624.4	2886.2	3195.8	3508.9	3911.5	4333.5	4819.8
42.5°	1532.5	1618.2	1723.2	1840.2	2072.3	2211.3	2421.2	2647.6	2943.6	3250.0	3615.5
45°	1230.7	1289.2	1362.0	1440.4	1548.2	1666.1	1809.8	1960.6	2241.8	2379.8	2602.1
47.5°	1027.8	1067.0	1113.3	1162.8	1226.3	1294.9	1380.1	1467.3	1580.1	1696.9	1833.9
50°	891.1	931.0	946.9	972.5	1009.3	1048.5	1096.5	1144.6	1205.1	1266.4	1336.9
52.5°	789.7	802.6	819.9	836.2	859.0	903.6	918.0	943.1	977.0	1010.2	1047.3
55°	712.1	720.6	731.9	741.7	755.5	768.7	787.7	804.4	827.0	847.0	871.6
57.5°	651.9	657.3	665.1	671.5	680.5	687.8	699.0	708.1	721.1	732.4	747.3
60°	608.1	611.6	616.9	621.1	626.8	630.6	636.2	640.4	647.3	653.1	661.4
62.5°	572.3	574.2	577.5	580.0	583.7	585.6	588.5	590.4	594.2	597.1	601.7
65°	529.4	529.7	532.1	533.1	536.0	537.0	539.4	540.3	543.3	545.5	549.6
67.5°	494.1	493.2	493.2	492.4	492.7	492.0	492.2	491.3	492.6	493.2	496.4
70°	462.0	460.7	460.2	458.7	458.3	456.8	456.3	455.0	454.8	454.4	455.5
72.5°	430.7	430.3	430.4	429.4	429.3	428.3	428.4	427.7	428.4	428.7	430.1
75°	394.7	394.8	395.6	394.6	394.9	394.0	394.4	393.5	394.0	393.8	395.2
77.5°	351.0	352.0	353.8	353.5	354.1	353.1	353.6	352.4	352.7	352.0	352.5
80°	301.7	303.8	306.4	306.3	307.3	306.7	307.6	306.6	307.0	305.7	305.4
82.5°	243.2	245.0	247.7	247.8	250.2	250.7	253.3	253.2	254.9	253.9	253.1
85°	166.2	167.5	169.9	171.2	173.7	175.1	177.8	178.8	176.9	180.4	177.7
87.5°	86.8	90.0	88.2	92.4	91.5	95.7	94.7	98.8	97.9	101.4	100.9
90°	32.8	33.4	36.1	36.7	40.2	41.1	42.7	41.5	42.9	41.7	43.1
92.5°	28.8	30.8	32.8	34.8	36.7	38.8	36.9	35.0	33.3	31.5	29.6
95°	38.9	41.8	44.6	47.5	50.3	53.2	50.1	47.1	44.1	41.0	38.0
97.5°	45.7	48.7	51.8	54.9	57.9	61.0	57.4	53.8	50.1	46.6	43.0
100°	64.3	70.2	76.1	82.0	88.0	93.9	87.3	80.5	73.8	67.0	60.3
102.5°	128.4	142.0	155.6	169.2	182.7	196.4	182.0	167.8	153.5	139.3	124.9
105°	238.9	260.7	282.4	304.1	325.8	347.7	324.6	301.4	278.2	255.1	231.9
107.5°	351.6	372.8	394.2	415.2	436.5	457.8	434.3	410.9	387.5	363.9	340.5
110°	416.6	429.3	442.2	454.9	467.8	480.6	463.5	446.4	429.3	412.2	394.9



TEST NUMBER: P1444794
 CATALOG NUMBER: EHBR1-18-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	429.2	435.7	442.1	448.7	455.1	461.6	449.3	437.2	424.9	412.7	400.5
115°	403.3	405.4	407.5	409.7	411.9	413.9	405.8	397.5	389.3	381.2	372.8
117.5°	355.2	355.1	354.8	354.7	354.3	354.1	349.6	345.1	340.4	335.9	331.3
120°	306.6	305.1	303.5	301.9	300.4	298.7	296.9	295.1	293.2	291.3	289.3
122.5°	264.6	263.7	262.5	261.5	260.4	259.3	258.7	258.1	257.4	256.7	256.0
125°	231.6	231.7	231.8	231.9	232.0	232.1	231.8	231.5	231.2	231.0	230.6
127.5°	209.3	210.3	211.2	212.0	212.9	213.7	213.7	213.7	213.8	213.8	213.8
130°	195.8	197.4	198.9	200.2	201.6	203.1	203.0	202.9	202.8	202.7	202.6
132.5°	188.2	189.8	191.5	193.2	194.7	196.3	196.2	196.1	195.8	195.7	195.6
135°	183.3	184.8	186.3	188.0	189.5	191.0	190.7	190.5	190.3	190.1	189.9
137.5°	180.2	181.4	182.6	183.9	185.1	186.3	186.0	186.0	185.6	185.4	185.2
140°	178.0	179.1	180.0	181.1	182.0	183.0	182.7	182.3	182.0	181.7	181.3
142.5°	176.5	177.3	177.9	178.9	179.5	180.4	179.7	179.2	178.8	178.2	177.7
145°	176.1	176.7	177.2	177.8	178.1	178.7	178.0	177.4	176.7	176.2	175.4
147.5°	174.9	175.2	175.5	175.9	176.1	176.5	175.8	175.1	174.6	173.9	173.2
150°	173.2	173.7	173.8	174.1	174.4	174.7	174.0	173.3	172.6	171.9	171.2
152.5°	170.8	171.1	171.3	171.5	171.8	172.1	171.3	170.9	170.0	169.4	168.7
155°	169.3	169.6	169.7	169.9	169.9	170.1	169.5	169.1	168.4	167.9	167.3
157.5°	168.6	168.8	169.0	169.1	169.3	169.4	169.0	168.5	168.1	167.7	167.1
160°	168.4	168.5	168.7	168.8	169.0	169.1	168.6	168.4	168.1	167.7	167.2
162.5°	168.9	169.2	169.4	169.5	169.7	169.9	169.6	169.2	168.7	168.3	167.8
165°	169.4	169.6	169.7	169.9	169.9	170.1	169.7	169.6	169.3	169.0	168.6
167.5°	170.7	170.9	171.0	171.1	171.2	171.3	171.0	170.9	170.5	170.2	169.9
170°	171.4	171.6	171.9	172.0	172.2	172.3	172.1	171.9	171.6	171.4	171.1
172.5°	172.7	172.9	173.0	173.1	173.2	173.5	173.2	172.9	172.7	172.4	172.2
175°	172.6	172.7	172.8	172.8	172.8	172.9	172.7	172.5	172.3	172.1	171.9
177.5°	173.3	173.3	173.3	173.3	173.3	173.3	173.2	173.0	172.9	172.7	172.5
180°	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4



TEST NUMBER: P1444794
 CATALOG NUMBER: EHBR1-18-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7	14739.7
2.5°	14832.3	14825.8	14821.7	14816.4	14813.2	14809.1	14806.1	14803.5	14801.4	14799.5	14798.1
5°	15040.9	15007.7	14982.0	14954.1	14931.2	14908.4	14890.8	14876.2	14866.2	14858.6	14854.2
7.5°	15306.4	15245.7	15191.7	15135.0	15084.0	15033.9	14990.7	14953.6	14925.6	14907.5	14896.5
10°	15543.6	15462.3	15381.9	15297.3	15217.2	15139.4	15067.6	15004.4	14954.5	14921.2	14901.9
12.5°	15649.9	15580.7	15498.6	15406.7	15308.4	15209.0	15112.1	15024.7	14951.4	14902.1	14873.7
15°	15556.2	15527.8	15472.1	15400.8	15307.6	15204.8	15091.0	14984.0	14885.6	14821.8	14784.8
17.5°	15251.7	15291.3	15287.1	15259.8	15192.8	15106.3	14990.3	14870.2	14747.1	14661.8	14615.2
20°	14737.7	14862.4	14925.6	14958.1	14931.8	14875.7	14770.7	14648.7	14505.3	14393.9	14326.0
22.5°	14015.5	14235.6	14372.8	14473.1	14494.4	14475.3	14382.6	14266.7	14106.7	13972.9	13872.6
25°	13085.7	13408.2	13624.9	13794.9	13860.9	13878.0	13799.1	13683.7	13505.5	13349.6	13211.8
27.5°	11990.7	12409.6	12699.1	12927.4	13030.5	13075.2	13002.5	12884.8	12674.0	12487.9	12307.9
30°	10757.8	11254.8	11603.4	11877.1	12002.8	12061.8	11984.7	11853.3	11608.0	11384.0	11157.2
32.5°	9438.2	9982.2	10361.9	10659.2	10783.7	10839.2	10738.3	10590.9	10307.3	10043.4	9778.9
35°	8056.6	8605.7	8988.6	9278.1	9382.3	9415.9	9286.8	9116.3	8802.1	8512.5	8224.1
37.5°	6646.9	7157.7	7505.8	7765.5	7830.1	7835.9	7680.4	7492.1	7161.8	6876.3	6589.2
40°	5249.4	5680.1	5961.1	6169.1	6191.5	6171.5	6002.5	5813.0	5504.0	5248.1	4996.1
42.5°	3932.9	4258.2	4458.7	4601.1	4592.6	4553.1	4398.2	4235.3	3980.4	3785.6	3587.2
45°	2805.2	3019.6	3136.9	3220.2	3193.4	3155.8	3035.2	2921.0	2747.8	2621.9	2488.6
47.5°	1948.8	2204.8	2160.3	2323.2	2182.8	2275.6	2082.4	1975.9	1884.1	1817.2	1741.8
50°	1395.1	1453.8	1482.2	1501.5	1491.3	1477.0	1442.3	1411.3	1369.2	1338.7	1303.0
52.5°	1077.4	1106.8	1122.8	1134.5	1132.2	1127.0	1111.9	1098.0	1078.4	1065.4	1049.8
55°	912.6	913.1	942.6	930.0	948.7	926.7	935.4	911.1	915.0	894.1	880.1
57.5°	758.4	770.4	775.8	781.1	779.6	778.7	772.8	769.8	763.2	761.2	756.5
60°	667.2	673.4	674.7	677.1	675.1	674.3	669.8	668.1	663.7	662.9	659.7
62.5°	604.5	607.7	607.7	607.7	605.1	602.6	597.5	594.9	591.0	590.3	588.4
65°	552.3	555.6	556.2	556.8	555.0	553.0	548.6	545.6	541.8	540.3	538.2
67.5°	498.3	501.9	503.1	505.0	503.8	503.5	500.4	499.3	496.7	496.1	494.1
70°	456.0	457.5	457.4	457.3	454.9	452.8	449.2	447.6	444.9	444.3	442.6
72.5°	430.9	431.9	431.3	430.3	427.2	424.0	419.9	416.8	413.3	411.1	408.6
75°	395.4	396.8	395.9	395.3	392.5	390.5	387.1	385.4	382.9	382.3	380.6
77.5°	351.9	352.5	351.0	351.0	348.8	347.5	345.0	344.5	342.8	342.8	341.2
80°	303.4	303.0	300.7	300.3	298.1	297.6	295.6	295.8	294.3	295.0	293.7
82.5°	249.7	248.3	245.3	244.4	241.9	241.8	240.5	241.5	240.6	241.9	241.2
85°	178.9	179.2	177.9	177.9	177.3	177.5	177.4	178.2	178.3	179.5	179.4
87.5°	99.8	101.2	100.9	102.2	102.1	103.6	104.2	106.3	106.6	108.6	108.6
90°	42.1	43.6	42.5	44.3	43.8	45.8	45.7	47.8	47.5	49.2	48.4
92.5°	27.8	26.0	24.2	22.4	21.4	20.5	19.8	18.6	17.9	16.9	15.9
95°	34.9	31.9	28.8	25.7	24.7	23.6	22.5	21.5	20.4	19.4	18.4
97.5°	39.4	35.8	32.1	28.5	27.6	26.7	25.7	24.8	23.9	23.0	22.1
100°	53.5	46.8	40.1	33.3	32.5	31.8	30.9	30.2	29.4	28.7	27.9
102.5°	110.7	96.4	82.1	67.7	65.0	62.3	59.6	56.8	54.0	51.3	48.6
105°	208.8	185.5	162.3	139.1	131.7	124.4	117.0	109.7	102.2	94.8	87.5
107.5°	316.9	293.4	269.9	246.3	232.8	219.1	205.5	191.8	178.2	164.5	150.9
110°	377.9	360.6	343.5	326.3	315.4	304.4	293.4	282.4	271.6	260.5	249.5



TEST NUMBER: P1444794
 CATALOG NUMBER: EHBR1-18-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	388.3	376.0	363.7	351.3	346.4	341.4	336.5	331.5	326.6	321.5	316.6
115°	364.6	356.4	348.1	339.7	338.1	336.3	334.6	332.9	331.1	329.3	327.6
117.5°	326.7	322.1	317.4	312.8	313.0	313.4	313.8	314.1	314.2	314.4	314.8
120°	287.3	285.5	283.6	281.5	283.2	284.7	286.3	287.8	289.3	290.7	292.2
122.5°	255.3	254.5	253.9	253.1	255.1	256.9	258.8	260.7	262.4	264.0	265.7
125°	230.3	230.0	229.7	229.3	231.3	233.2	235.1	236.9	238.6	240.3	242.0
127.5°	213.8	213.8	213.8	213.7	215.2	216.5	217.9	219.1	220.5	221.6	222.8
130°	202.5	202.3	202.3	202.2	203.4	204.7	206.0	207.1	208.2	209.2	210.3
132.5°	195.5	195.2	195.1	194.9	195.9	196.9	197.7	198.4	199.4	200.0	200.6
135°	189.7	189.4	189.2	188.8	189.9	190.7	191.5	192.3	193.0	193.6	194.2
137.5°	185.0	184.7	184.5	184.2	185.0	185.8	186.6	187.2	187.8	188.4	188.9
140°	180.9	180.6	180.3	179.9	180.6	181.3	182.0	182.6	183.2	183.6	184.1
142.5°	177.1	176.5	176.2	175.5	176.1	176.5	177.0	177.5	177.9	178.3	178.6
145°	174.8	174.1	173.5	172.7	173.2	173.6	174.0	174.4	174.6	174.8	175.1
147.5°	172.6	171.9	171.2	170.6	171.1	171.2	171.5	171.7	172.1	172.2	172.4
150°	170.5	169.7	169.0	168.3	168.5	168.7	169.0	169.2	169.4	169.5	169.7
152.5°	168.1	167.2	166.6	165.8	166.0	166.1	166.3	166.4	166.6	166.6	166.8
155°	166.8	166.1	165.6	164.8	165.0	165.1	165.1	165.3	165.3	165.4	165.3
157.5°	166.7	166.1	165.6	165.1	165.1	165.2	165.1	165.0	165.0	165.0	164.8
160°	166.9	166.4	166.0	165.5	165.5	165.5	165.4	165.3	165.3	165.1	165.0
162.5°	167.3	166.8	166.3	165.7	165.7	165.7	165.6	165.6	165.6	165.4	165.2
165°	168.3	168.0	167.6	167.1	167.0	167.0	166.9	166.7	166.6	166.3	166.2
167.5°	169.6	169.2	168.8	168.3	168.3	168.3	168.3	168.3	168.2	168.0	168.0
170°	170.9	170.5	170.2	169.8	169.7	169.7	169.6	169.5	169.4	169.2	169.1
172.5°	171.8	171.5	171.2	170.8	170.8	170.8	170.7	170.6	170.4	170.3	170.3
175°	171.6	171.3	171.1	170.9	170.8	170.8	170.7	170.7	170.6	170.5	170.4
177.5°	172.4	172.3	172.0	171.9	171.9	171.9	171.8	171.7	171.7	171.7	171.6
180°	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4



TEST NUMBER: P1444794
 CATALOG NUMBER: EHBR1-18-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	14739.7	14739.7
2.5°	14796.8	14796.0
5°	14851.8	14850.9
7.5°	14893.7	14893.4
10°	14898.6	14901.1
12.5°	14868.9	14870.9
15°	14782.0	14786.1
17.5°	14616.0	14621.3
20°	14330.2	14335.7
22.5°	13867.2	13869.4
25°	13194.0	13184.4
27.5°	12276.2	12259.8
30°	11109.6	11093.7
32.5°	9718.6	9708.7
35°	8152.8	8146.5
37.5°	6504.4	6491.5
40°	4904.0	4866.7
42.5°	3500.4	3435.0
45°	2419.0	2341.5
47.5°	1688.7	1640.8
50°	1280.0	1264.5
52.5°	1043.0	1039.3
55°	880.0	878.4
57.5°	757.6	757.1
60°	661.4	661.2
62.5°	589.6	589.9
65°	539.1	539.2
67.5°	494.6	494.3
70°	443.3	442.9
72.5°	407.9	407.2
75°	380.6	380.1
77.5°	341.6	341.1
80°	294.6	293.7
82.5°	242.2	241.4
85°	180.7	180.7
87.5°	110.6	110.5
90°	50.0	49.0
92.5°	15.2	14.3
95°	17.3	16.3
97.5°	21.2	20.3
100°	27.1	26.4
102.5°	45.9	43.2
105°	80.1	72.8
107.5°	137.2	123.6
110°	238.5	227.5



TEST NUMBER: P1444794
CATALOG NUMBER: EHBR1-18-UNV-TA-L940-UPL12

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	311.5	306.5
115°	325.6	323.8
117.5°	314.9	315.1
120°	293.4	294.8
122.5°	267.3	269.0
125°	243.6	245.2
127.5°	223.8	224.8
130°	211.0	211.9
132.5°	201.1	201.6
135°	194.6	195.1
137.5°	189.3	189.6
140°	184.4	184.7
142.5°	178.8	179.0
145°	175.2	175.3
147.5°	172.2	172.4
150°	169.6	169.7
152.5°	166.6	166.7
155°	165.3	165.2
157.5°	164.6	164.5
160°	164.8	164.7
162.5°	165.0	165.0
165°	165.9	165.6
167.5°	167.7	167.7
170°	168.9	168.8
172.5°	170.1	170.0
175°	170.3	170.3
177.5°	171.6	171.5
180°	172.4	172.4

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-7

Test Date: 08/04/2025

Luminaire Tested: EHBR-60-L940-N

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

Test Information

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

Spectral Parameters

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

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



Test Conditions

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

REPORT NUMBER: SP1-2506-472-7

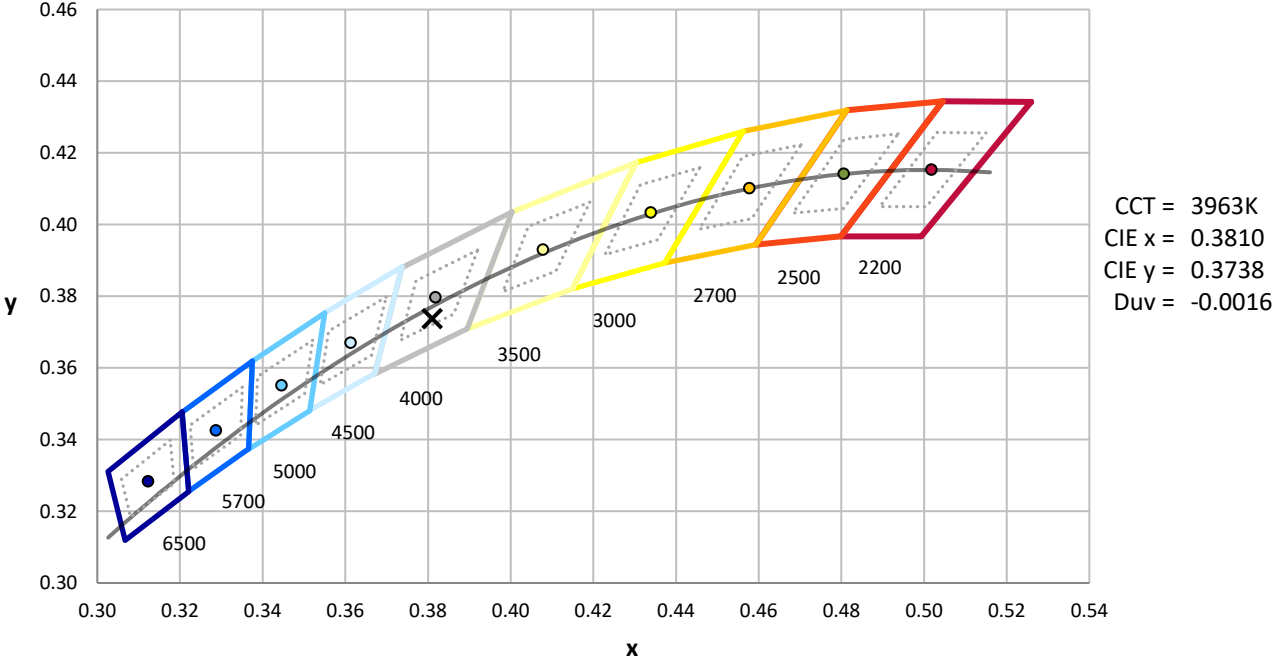
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208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

REPORT NUMBER: SP1-2506-472-7

CIE 1931 Chromaticity Diagram



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



CCT = 3963K
 CIE x = 0.3810
 CIE y = 0.3738
 Duv = -0.0016

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-7

Photopic Flux vs. Wavelength



Photopic Lumens: NR

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

REPORT NUMBER: SP1-2506-472-7

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.76

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

REPORT NUMBER: SP1-2506-472-7

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.64

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

Summary

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



Color Vector Graphics



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

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



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)