

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: P1444576

Luminaire Tested: EHBR1-12-UNV-TA-L850-UPL40

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444576
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-L850-UPL40
Description: Elevate Round Highbay at, 12000 lumens, 5000K 80CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

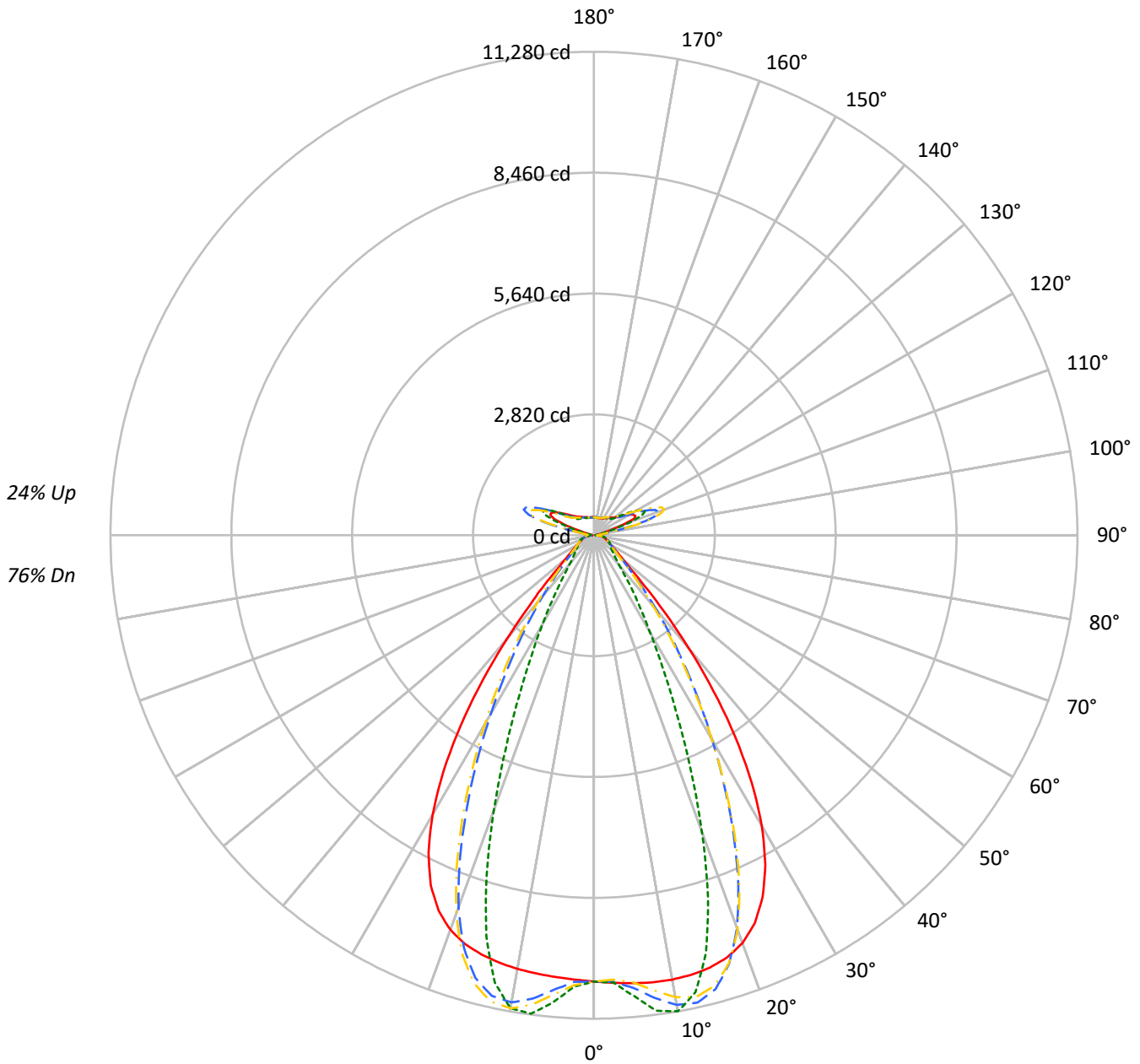
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15864.8 lumens
Efficiency: N/A
Efficacy: 166.5 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 (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

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	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°	48896	48896	48896	48896
5°	49132	50565	48445	51228
10°	49543	53090	48355	52738
15°	49786	48125	48270	46188
20°	49271	35852	47658	33171
25°	46637	22674	45095	20573
30°	40740	13625	39163	12452
35°	31355	8550	29551	7573
40°	19834	5363	18147	5040
45°	10223	4178	10054	4110
50°	5994	3717	5810	3659
55°	4592	3516	4422	3485
60°	3886	3592	3720	3545
65°	3649	3751	3509	3623
70°	3566	3927	3387	3779
75°	3813	4165	3606	3980
80°	3946	4612	3576	4210
85°	3715	4449	3000	3809

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 15645 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1026.1	6.5
10°-20°	2886.6	18.2
20°-30°	3287.6	20.7
30°-40°	2363.0	14.9
40°-50°	1089.8	6.9
50°-60°	521.5	3.3
60°-70°	380.5	2.4
70°-80°	289.1	1.8
80°-90°	138.2	0.9
90°-100°	104.5	0.7
100°-110°	667.3	4.2
110°-120°	1234.0	7.8
120°-130°	737.7	4.6
130°-140°	451.7	2.8
140°-150°	317.1	2.0
150°-160°	209.4	1.3
160°-170°	120.6	0.8
170°-180°	40.1	0.3
0°-30°	7200.3	45.4
0°-40°	9563.3	60.3
0°-60°	11174.6	70.4
0°-90°	11982.5	75.5
90°-120°	2005.8	12.6
90°-150°	3512.3	22.1
90°-180°	3882.0	24.5
0°-180°	15864.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10412	10412	10412	10412	10412	
5°	10490	10796	10344	10938	10490	1002
15°	10445	10096	10127	9690	10445	2943
25°	9313	4528	9006	4108	9313	4222
35°	5755	1569	5424	1390	5755	3532
45°	1654	676	1627	665	1654	1407
55°	620	475	598	471	620	573
65°	381	392	366	378	381	380
75°	269	293	254	280	269	279
85°	128	153	103	131	128	120
90°	56	66	32	34	56	32
95°	48	55	48	55	48	46
105°	234	307	154	307	234	312
115°	1069	1312	1120	1312	1069	986
125°	779	842	886	842	779	710
135°	580	536	627	538	580	453
145°	487	493	522	494	487	308
155°	435	446	467	448	435	203
165°	415	421	433	422	415	118
175°	415	421	424	421	415	40
180°	420	420	420	420	420	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0
2.5°	10451.7	10451.0	10450.8	10450.1	10449.9	10449.9	10449.5	10448.6	10448.1	10446.9	10445.5
5°	10490.5	10490.0	10490.3	10490.4	10489.7	10488.1	10485.5	10482.4	10478.5	10474.7	10471.5
7.5°	10520.5	10521.3	10522.2	10522.0	10519.7	10515.9	10510.7	10507.7	10509.5	10515.2	10528.2
10°	10526.0	10530.5	10532.2	10531.7	10527.2	10523.8	10525.1	10536.1	10558.1	10587.4	10627.5
12.5°	10504.7	10510.2	10510.0	10508.1	10503.7	10508.2	10524.2	10557.0	10604.1	10661.8	10729.6
15°	10444.8	10451.8	10449.9	10447.5	10444.6	10459.2	10491.1	10548.2	10620.9	10702.3	10785.7
17.5°	10328.4	10337.0	10332.8	10330.1	10327.7	10355.2	10410.1	10493.6	10585.1	10677.3	10756.3
20°	10126.6	10132.3	10122.4	10117.8	10121.7	10175.6	10256.5	10363.1	10459.6	10546.7	10600.7
22.5°	9797.2	9804.4	9785.8	9783.6	9806.6	9889.5	9991.6	10110.9	10201.6	10270.7	10291.4
25°	9313.4	9320.3	9298.2	9311.4	9350.6	9463.6	9585.3	9712.8	9790.2	9841.3	9827.2
27.5°	8660.2	8666.6	8645.6	8672.6	8734.5	8882.8	9026.2	9164.5	9233.4	9269.3	9223.9
30°	7836.4	7849.8	7824.9	7862.6	7957.0	8149.8	8313.9	8469.0	8537.8	8565.1	8494.4
32.5°	6858.1	6877.0	6849.7	6905.8	7037.5	7269.0	7455.4	7628.8	7704.8	7735.9	7656.1
35°	5754.7	5781.8	5750.5	5834.6	5997.1	6254.9	6461.3	6654.8	6744.9	6789.0	6708.6
37.5°	4585.6	4611.5	4594.5	4706.8	4885.3	5152.3	5363.1	5571.9	5673.6	5739.8	5676.4
40°	3437.8	3461.5	3474.3	3602.8	3770.7	4022.4	4224.8	4431.4	4545.2	4628.3	4589.2
42.5°	2426.4	2450.3	2494.0	2618.0	2757.8	2966.3	3139.7	3325.1	3433.8	3522.5	3507.4
45°	1654.1	1681.8	1736.5	1837.9	1939.2	2088.7	2216.0	2360.3	2449.1	2530.3	2531.3
47.5°	1159.1	1178.5	1227.5	1296.7	1362.7	1549.9	1557.6	1628.5	1688.1	1748.9	1756.8
50°	893.3	905.0	930.9	969.6	1006.9	1055.6	1100.1	1151.4	1188.2	1221.5	1229.4
52.5°	734.3	741.6	754.9	775.8	797.4	823.9	847.7	875.9	895.9	913.7	917.4
55°	620.5	626.7	646.3	650.4	675.1	679.9	690.5	707.6	719.3	729.9	732.7
57.5°	534.8	539.3	543.4	552.3	560.0	571.1	580.0	592.3	599.7	607.3	608.0
60°	467.1	470.3	473.3	479.5	484.7	492.4	498.6	507.0	512.2	518.0	518.6
62.5°	416.7	419.0	421.0	425.1	428.8	434.8	439.7	446.6	451.6	456.0	457.0
65°	380.9	382.6	383.9	386.9	390.2	395.3	399.7	405.4	409.0	412.5	413.1
67.5°	349.2	350.8	352.1	354.9	357.2	361.0	363.9	368.3	370.9	373.7	373.8
70°	312.9	314.3	315.3	318.0	319.7	323.0	325.4	329.3	332.0	335.1	335.8
72.5°	287.7	288.6	289.9	292.3	294.8	298.3	301.5	305.5	308.8	312.1	313.3
75°	268.6	269.5	270.4	272.5	274.3	277.2	279.6	283.2	286.1	289.6	291.2
77.5°	241.0	242.1	242.9	244.9	246.5	249.2	251.0	254.3	256.7	259.8	261.3
80°	207.6	208.6	209.2	211.1	212.3	214.9	216.6	219.8	221.8	224.8	226.7
82.5°	170.5	171.6	171.9	173.8	174.4	176.5	177.8	181.0	183.5	187.5	190.3
85°	127.7	128.1	128.7	128.2	130.8	130.9	133.9	134.5	138.3	139.3	143.7
87.5°	78.1	79.3	79.8	81.5	82.3	84.1	84.7	86.5	87.6	89.8	90.8
90°	56.4	59.8	62.0	65.7	67.9	71.3	73.4	77.1	79.3	83.0	86.9
92.5°	41.9	45.0	47.9	51.2	54.2	57.6	60.7	63.9	67.0	70.2	76.4
95°	48.3	51.9	55.4	58.9	62.5	65.9	69.4	73.0	76.5	80.1	90.4
97.5°	61.2	64.2	67.3	70.3	73.4	76.5	79.6	82.6	85.7	88.7	101.0
100°	80.5	83.1	85.8	88.3	90.9	93.5	96.1	98.6	101.3	103.8	126.6
102.5°	136.0	145.2	154.4	163.5	172.7	181.9	191.1	200.2	209.4	218.6	266.9
105°	234.0	258.8	283.9	308.6	333.6	358.5	383.5	408.2	433.2	458.1	536.7
107.5°	403.9	449.9	496.0	542.1	588.2	634.3	680.3	726.5	772.5	818.5	898.3
110°	751.9	789.0	826.1	863.2	900.4	937.5	974.6	1011.6	1048.8	1085.9	1144.2



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	1015.4	1032.2	1049.2	1066.0	1082.9	1099.8	1116.6	1133.4	1150.3	1167.1	1208.9
115°	1069.4	1075.4	1081.5	1087.5	1093.6	1099.7	1105.7	1111.6	1117.7	1123.6	1152.0
117.5°	1034.8	1033.9	1033.3	1032.4	1031.5	1030.7	1029.9	1028.9	1028.2	1027.3	1043.4
120°	960.1	955.3	950.5	945.5	940.7	935.9	931.1	926.2	921.3	916.3	923.4
122.5°	866.6	860.8	855.1	849.2	843.4	837.5	831.7	825.7	819.9	814.0	817.2
125°	779.4	773.6	767.8	762.1	756.1	750.3	744.4	738.5	732.5	726.6	728.6
127.5°	703.0	699.1	695.2	691.1	687.2	683.1	679.0	675.0	671.0	666.9	667.8
130°	652.1	648.6	645.2	641.6	638.1	634.5	630.9	627.3	623.7	620.0	621.4
132.5°	609.6	607.3	605.1	602.6	600.3	597.7	595.5	592.8	590.4	588.0	589.5
135°	579.9	577.9	575.8	573.6	571.4	569.2	567.0	564.6	562.5	560.1	562.0
137.5°	554.3	552.4	550.6	548.7	546.7	544.7	542.7	540.7	538.7	536.6	538.4
140°	530.7	529.2	527.4	525.7	524.0	522.3	520.5	518.7	516.9	515.1	517.2
142.5°	504.9	503.7	502.6	501.3	500.2	498.8	497.5	496.1	494.9	493.5	496.1
145°	487.3	486.4	485.5	484.5	483.5	482.4	481.4	480.2	479.2	478.2	480.8
147.5°	471.8	471.1	470.4	469.7	469.0	468.2	467.4	466.6	465.8	464.9	467.5
150°	458.1	457.4	456.9	456.2	455.4	454.6	453.8	453.1	452.3	451.5	454.1
152.5°	444.3	443.6	443.0	442.3	441.6	440.8	440.2	439.4	438.6	437.8	440.1
155°	434.9	434.2	433.5	432.9	432.2	431.4	430.6	430.0	429.3	428.5	430.4
157.5°	427.7	427.3	426.9	426.4	425.9	425.4	424.9	424.4	424.0	423.6	424.9
160°	422.8	422.4	421.9	421.5	421.0	420.5	420.1	419.6	419.1	418.7	419.9
162.5°	418.0	417.6	417.1	416.7	416.2	415.7	415.2	414.8	414.3	413.8	415.3
165°	415.2	415.0	414.8	414.6	414.4	414.2	414.0	413.8	413.6	413.4	414.4
167.5°	416.6	416.2	415.8	415.4	414.9	414.6	414.1	413.7	413.3	412.9	413.9
170°	415.6	415.4	415.3	415.2	415.0	414.9	414.8	414.6	414.4	414.3	415.2
172.5°	416.5	416.3	416.2	416.2	416.0	415.9	415.8	415.7	415.6	415.5	416.4
175°	415.1	414.9	414.9	414.8	414.7	414.7	414.6	414.5	414.5	414.4	415.0
177.5°	417.6	417.5	417.5	417.5	417.5	417.5	417.4	417.3	417.3	417.3	417.8
180°	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0



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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°	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0
2.5°	10444.6	10443.3	10441.5	10439.4	10437.5	10435.2	10430.0	10428.5	10430.2	10431.4	10433.8
5°	10469.3	10470.1	10470.4	10475.1	10479.2	10489.5	10569.5	10601.3	10626.0	10641.6	10665.4
7.5°	10544.2	10568.2	10592.1	10624.1	10651.7	10689.1	10829.2	10888.9	10931.3	10961.7	10999.3
10°	10671.0	10723.5	10772.8	10830.5	10880.2	10937.0	11067.4	11125.6	11162.3	11189.0	11213.9
12.5°	10798.7	10871.6	10937.5	11001.7	11055.4	11104.8	11150.6	11171.0	11172.6	11173.5	11160.3
15°	10865.3	10934.9	10993.0	11035.4	11067.0	11081.0	11002.0	10960.6	10908.2	10865.1	10794.1
17.5°	10823.2	10865.1	10890.1	10887.7	10874.6	10830.9	10607.2	10484.2	10362.0	10251.8	10107.5
20°	10636.6	10633.4	10611.6	10549.8	10475.4	10359.6	9976.0	9754.7	9540.8	9352.9	9124.9
22.5°	10289.4	10234.8	10158.5	10025.3	9877.3	9675.1	9125.5	8799.8	8502.0	8238.9	7944.1
25°	9786.2	9673.8	9533.3	9321.8	9091.9	8796.9	8119.4	7714.5	7356.9	7046.7	6706.6
27.5°	9142.3	8972.9	8767.0	8474.3	8162.8	7784.9	7033.8	6587.0	6203.0	5870.5	5508.5
30°	8379.9	8159.7	7893.9	7530.5	7154.7	6726.2	5964.4	5511.8	5123.2	4781.0	4418.8
32.5°	7518.5	7260.5	6948.9	6541.2	6134.8	5694.2	4958.4	4520.3	4149.1	3820.0	3492.1
35°	6568.2	6291.6	5962.0	5546.1	5142.1	4713.8	4038.6	3643.7	3315.9	3024.9	2760.2
37.5°	5549.0	5277.4	4964.0	4572.1	4197.6	3809.3	3226.8	2895.8	2620.7	2379.3	2174.9
40°	4489.2	4251.6	3980.5	3641.6	3322.0	2998.6	2520.4	2257.7	2040.6	1856.5	1703.3
42.5°	3442.4	3258.2	3050.4	2782.6	2538.0	2291.8	1923.8	1729.1	1568.3	1435.7	1327.5
45°	2497.6	2374.4	2235.0	2048.8	1879.6	1707.8	1445.9	1309.1	1204.4	1118.9	1046.6
47.5°	1746.0	1674.5	1670.2	1498.1	1374.0	1269.0	1100.3	1013.8	949.7	897.9	852.1
50°	1226.2	1191.6	1148.6	1087.2	1029.6	970.3	867.5	815.2	777.7	746.2	717.4
52.5°	916.7	898.7	875.8	843.2	812.0	778.7	713.5	680.3	668.5	639.3	616.4
55°	732.1	721.9	708.8	689.7	670.7	663.1	607.3	582.7	567.0	555.5	543.2
57.5°	608.1	600.5	592.7	579.7	568.7	555.5	525.9	513.2	503.9	497.1	488.6
60°	518.7	514.1	509.8	502.2	496.2	489.1	470.3	463.1	458.3	454.2	448.8
62.5°	457.8	455.5	453.2	449.2	446.2	442.3	429.5	426.0	423.6	421.5	418.3
65°	413.9	412.2	411.0	408.2	406.8	404.5	393.4	391.1	389.7	388.9	386.9
67.5°	374.0	372.2	371.4	369.4	368.8	367.4	358.3	357.1	356.6	356.9	356.2
70°	336.6	335.8	336.2	335.9	336.8	337.0	331.6	331.5	332.1	333.3	333.4
72.5°	314.2	314.2	314.6	314.8	315.6	316.0	311.5	311.3	311.5	312.4	312.4
75°	292.9	293.3	294.4	294.8	295.8	296.0	290.0	289.3	289.3	290.1	289.9
77.5°	263.4	264.7	266.9	268.1	269.9	270.2	263.5	262.7	262.8	263.5	262.9
80°	230.0	232.4	235.9	238.4	241.2	242.3	235.5	233.8	232.2	232.0	230.6
82.5°	194.5	197.4	201.7	203.8	206.9	207.6	196.0	193.7	192.4	192.5	191.2
85°	148.4	150.7	154.5	155.8	157.7	157.5	144.2	138.5	140.1	137.7	139.6
87.5°	93.1	94.4	96.9	97.1	98.0	97.8	84.5	81.8	81.0	81.1	80.2
90°	92.2	96.3	101.5	104.6	109.1	112.1	104.4	106.3	102.6	100.5	96.5
92.5°	82.6	88.8	95.0	101.2	107.4	113.6	118.6	124.4	117.9	111.2	104.8
95°	100.8	111.1	121.4	131.8	142.1	152.4	162.9	173.2	163.5	153.8	144.2
97.5°	113.2	125.4	137.6	149.9	162.1	174.4	186.5	198.8	188.5	178.0	167.7
100°	149.5	172.3	195.0	217.9	240.7	263.4	286.3	309.1	289.1	269.0	249.0
102.5°	315.3	363.8	412.3	460.6	509.0	557.5	606.0	654.4	608.5	562.6	516.7
105°	615.2	693.7	772.3	850.7	929.1	1007.7	1086.3	1164.8	1091.4	1017.9	944.6
107.5°	977.9	1057.5	1137.2	1216.7	1296.5	1376.2	1455.9	1535.7	1464.1	1392.5	1321.0
110°	1202.4	1260.6	1318.8	1377.1	1435.3	1493.5	1552.0	1610.2	1567.3	1524.4	1481.6



TEST NUMBER: P1444576
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL40

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	1250.5	1292.5	1334.2	1375.9	1417.5	1459.4	1501.5	1543.3	1521.9	1500.6	1479.3
115°	1180.3	1208.7	1237.0	1265.2	1293.6	1321.9	1350.4	1378.9	1372.3	1365.9	1359.4
117.5°	1059.4	1075.5	1091.6	1107.6	1123.5	1139.6	1156.2	1172.3	1174.0	1175.7	1177.5
120°	930.5	937.7	944.8	951.8	958.8	966.0	973.6	980.8	987.2	993.5	999.9
122.5°	820.1	823.2	826.2	829.3	832.3	835.3	839.1	842.4	846.9	851.7	856.4
125°	730.3	732.2	734.1	735.9	737.6	739.6	742.2	744.2	745.2	745.9	746.9
127.5°	668.6	669.6	670.4	671.4	672.2	673.1	674.8	675.9	674.2	672.5	670.7
130°	622.8	623.9	625.3	626.7	628.1	629.2	631.6	633.2	629.5	625.9	622.3
132.5°	591.0	592.6	594.1	595.8	597.2	598.8	601.4	603.1	598.9	594.6	590.3
135°	563.6	565.5	567.2	569.0	570.7	572.7	575.5	577.6	573.6	569.4	565.3
137.5°	540.1	541.9	543.7	545.6	547.2	549.1	552.1	554.3	551.2	547.9	544.9
140°	519.1	521.2	523.2	525.2	527.2	529.3	532.7	535.0	532.7	530.2	527.8
142.5°	498.4	501.0	503.5	506.1	508.6	511.2	515.1	518.0	516.4	514.6	513.0
145°	483.5	486.3	489.1	492.0	494.8	497.6	501.9	505.1	504.2	503.3	502.3
147.5°	469.9	472.5	475.0	477.6	480.2	483.0	487.1	490.2	489.8	489.3	488.9
150°	456.5	459.1	461.7	464.2	467.0	469.6	474.1	477.3	476.9	476.5	476.1
152.5°	442.5	444.8	447.1	449.6	451.9	454.4	459.3	462.3	461.9	461.4	461.1
155°	432.2	434.2	436.0	438.0	439.9	441.9	446.5	449.2	449.1	449.0	448.8
157.5°	426.4	427.8	429.2	430.7	432.2	433.7	438.1	440.4	440.3	440.1	440.0
160°	421.1	422.3	423.5	424.7	425.9	427.2	431.6	433.6	433.5	433.3	433.2
162.5°	416.8	418.3	419.6	421.1	422.7	424.0	428.7	430.9	430.6	430.2	429.9
165°	415.4	416.4	417.4	418.4	419.3	420.4	424.3	426.1	426.0	425.9	425.8
167.5°	414.9	416.0	417.0	418.0	419.0	420.1	423.9	425.6	425.5	425.4	425.3
170°	415.9	416.8	417.6	418.5	419.2	420.2	423.3	424.6	424.4	424.0	423.8
172.5°	417.2	418.2	418.9	419.8	420.6	421.6	424.2	425.7	425.4	425.1	424.7
175°	415.7	416.3	417.0	417.8	418.4	419.0	421.2	422.2	422.1	422.1	422.0
177.5°	418.3	418.5	419.0	419.5	420.0	420.4	421.8	422.5	422.5	422.5	422.4
180°	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0



TEST NUMBER: P1444576
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL40

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0
2.5°	10434.4	10438.0	10438.6	10442.8	10442.5	10447.5	10446.7	10451.0	10448.5	10451.9	10449.0
5°	10679.4	10701.6	10713.2	10734.9	10741.8	10761.2	10766.7	10784.4	10785.1	10799.2	10795.9
7.5°	11025.9	11058.7	11078.1	11105.0	11118.5	11140.8	11150.6	11167.2	11172.5	11185.6	11186.7
10°	11232.7	11248.7	11259.8	11267.3	11274.1	11277.3	11281.1	11280.1	11281.1	11279.6	11282.8
12.5°	11151.4	11128.1	11112.8	11083.7	11066.8	11034.7	11018.9	10988.1	10976.8	10950.2	10946.4
15°	10739.3	10658.3	10601.1	10517.9	10465.6	10383.8	10335.9	10262.1	10228.4	10169.6	10154.2
17.5°	9988.0	9837.7	9721.4	9572.3	9468.8	9329.3	9241.7	9126.3	9063.0	8970.0	8937.8
20°	8934.8	8712.5	8538.1	8330.2	8181.5	7996.2	7877.6	7728.0	7641.1	7526.8	7480.4
22.5°	7698.3	7421.5	7203.6	6958.2	6778.7	6572.2	6430.1	6268.2	6173.7	6049.6	5994.6
25°	6423.9	6118.6	5876.4	5617.7	5428.2	5221.2	5079.1	4920.0	4822.2	4704.3	4649.7
27.5°	5205.0	4896.0	4661.9	4421.4	4247.6	4060.7	3932.6	3793.7	3706.9	3606.2	3554.9
30°	4129.4	3856.8	3657.6	3458.1	3313.4	3161.8	3055.1	2940.1	2863.9	2777.8	2728.8
32.5°	3253.0	3042.6	2886.6	2728.3	2609.9	2483.1	2391.1	2289.5	2220.7	2143.8	2099.5
35°	2576.4	2412.9	2288.5	2158.1	2056.4	1948.4	1867.3	1779.6	1718.0	1651.7	1613.5
37.5°	2035.6	1905.6	1803.3	1694.9	1611.4	1521.9	1491.8	1391.3	1327.4	1274.5	1237.9
40°	1597.6	1494.1	1409.5	1326.7	1258.5	1190.7	1136.2	1082.5	1041.2	1003.4	977.3
42.5°	1247.6	1172.6	1110.8	1050.2	1000.5	951.0	911.6	874.5	846.8	822.1	805.2
45°	991.7	940.2	897.2	854.5	819.4	786.5	759.9	736.3	718.3	703.5	693.0
47.5°	814.7	779.4	749.2	720.3	696.5	674.9	657.1	651.3	632.0	619.0	614.1
50°	692.4	671.1	648.1	626.8	610.9	595.1	583.6	572.3	565.0	559.0	557.2
52.5°	601.2	584.8	572.0	558.5	548.1	536.8	528.9	521.3	517.4	514.2	513.8
55°	533.3	521.9	513.3	504.3	498.0	491.4	487.3	483.4	481.6	480.0	480.1
57.5°	481.9	474.2	468.7	462.9	459.5	456.4	455.3	454.3	454.8	455.1	456.0
60°	444.5	439.5	436.0	432.7	431.2	430.2	431.0	431.9	433.8	435.1	436.5
62.5°	415.8	412.9	411.3	409.4	409.3	409.4	410.9	412.5	414.7	416.4	417.7
65°	386.2	384.7	384.1	383.0	383.5	383.9	385.7	386.9	389.2	390.6	392.1
67.5°	356.5	356.1	356.4	356.4	357.5	358.3	360.1	361.4	363.3	364.6	365.9
70°	334.4	334.6	335.3	335.5	336.6	337.2	338.8	339.7	341.3	342.4	344.0
72.5°	313.0	312.7	312.9	312.4	312.8	312.6	313.4	313.8	315.3	316.1	318.1
75°	290.2	289.2	289.0	287.9	288.0	287.2	287.6	287.5	288.5	288.9	290.3
77.5°	262.7	261.0	260.2	258.5	258.4	257.8	258.5	258.9	260.6	261.5	263.1
80°	229.7	227.1	225.9	224.0	224.4	224.2	225.9	227.2	229.3	229.7	231.6
82.5°	190.9	188.3	187.0	185.1	185.6	185.7	187.1	187.4	189.2	190.0	192.3
85°	136.6	137.7	135.0	135.2	134.6	135.7	136.6	138.0	139.5	142.0	143.9
87.5°	80.4	80.2	81.1	81.2	82.6	83.4	85.6	86.8	89.4	91.4	94.9
90°	93.7	89.7	87.7	84.5	83.1	80.1	79.2	76.4	75.7	73.8	73.6
92.5°	98.0	91.5	84.8	78.3	71.6	65.2	62.0	59.0	55.9	53.0	49.7
95°	134.6	124.8	115.2	105.6	96.0	86.3	82.8	79.3	75.7	72.2	68.8
97.5°	157.4	146.9	136.6	126.2	115.8	105.5	103.1	100.8	98.4	96.1	93.7
100°	229.1	209.0	189.1	169.0	149.0	129.0	127.1	125.2	123.4	121.5	119.5
102.5°	470.8	424.9	379.1	333.2	287.3	241.3	233.4	225.3	217.4	209.3	201.4
105°	871.1	797.7	724.3	650.9	577.5	504.1	482.2	460.3	438.4	416.5	394.7
107.5°	1249.4	1177.9	1106.3	1034.7	963.2	891.6	857.0	822.5	787.8	753.2	718.7
110°	1438.6	1395.7	1352.9	1310.0	1267.1	1224.3	1191.3	1158.4	1125.4	1092.5	1059.5



TEST NUMBER: P1444576
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL40

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	1458.0	1436.7	1415.5	1394.1	1372.9	1351.6	1335.5	1319.5	1303.6	1287.5	1271.4
115°	1352.8	1346.3	1339.7	1333.2	1326.9	1320.3	1319.3	1318.3	1317.2	1316.4	1315.3
117.5°	1179.0	1180.7	1182.4	1184.2	1185.9	1187.6	1196.4	1205.3	1214.1	1222.9	1231.8
120°	1006.1	1012.5	1018.9	1025.3	1031.6	1038.0	1049.8	1061.6	1073.5	1085.4	1097.5
122.5°	861.0	865.7	870.3	875.0	879.7	884.3	896.1	908.0	919.8	931.6	943.7
125°	747.7	748.6	749.5	750.3	751.1	752.0	762.0	771.8	781.7	791.7	801.6
127.5°	669.0	667.2	665.4	663.7	661.9	660.2	666.3	672.4	678.5	684.6	690.7
130°	618.6	615.0	611.3	607.6	604.0	600.4	603.1	605.9	608.6	611.5	614.3
132.5°	585.8	581.5	577.1	572.7	568.3	564.0	564.6	565.2	565.9	566.5	567.3
135°	561.2	557.1	553.0	548.8	544.7	540.6	540.1	539.5	539.0	538.4	537.9
137.5°	541.7	538.5	535.2	532.2	529.0	525.8	524.7	523.8	522.7	521.8	520.7
140°	525.4	523.0	520.5	518.1	515.6	513.2	512.4	511.6	510.8	510.1	509.3
142.5°	511.3	509.5	507.8	506.2	504.4	502.7	501.9	501.2	500.5	499.8	499.0
145°	501.5	500.4	499.4	498.5	497.5	496.6	496.1	495.6	495.1	494.6	494.2
147.5°	488.5	487.9	487.5	487.1	486.5	486.1	485.8	485.6	485.3	485.2	485.0
150°	475.6	475.1	474.7	474.3	473.9	473.5	473.4	473.5	473.5	473.6	473.6
152.5°	460.6	460.2	459.7	459.4	458.8	458.4	458.4	458.6	458.6	458.7	458.7
155°	448.6	448.5	448.3	448.1	447.9	447.7	447.6	447.4	447.2	447.0	446.8
157.5°	439.9	439.7	439.5	439.4	439.2	439.0	438.8	438.7	438.5	438.4	438.2
160°	433.0	432.9	432.7	432.6	432.4	432.3	431.9	431.4	431.1	430.7	430.2
162.5°	429.5	429.1	428.7	428.4	427.9	427.6	427.4	427.2	427.0	426.9	426.7
165°	425.6	425.5	425.3	425.1	425.0	424.9	424.5	424.0	423.8	423.4	422.9
167.5°	425.1	425.0	424.8	424.7	424.5	424.4	424.1	423.7	423.3	422.9	422.5
170°	423.5	423.0	422.8	422.4	422.0	421.6	421.3	420.9	420.5	420.1	419.7
172.5°	424.5	424.1	423.9	423.6	423.2	422.9	422.6	422.2	421.9	421.5	421.2
175°	421.9	421.9	421.9	421.7	421.7	421.6	421.5	421.5	421.4	421.4	421.3
177.5°	422.4	422.4	422.4	422.3	422.3	422.3	422.0	421.7	421.5	421.2	420.9
180°	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0



TEST NUMBER: P1444576
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL40

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0
2.5°	10452.0	10449.4	10450.7	10445.7	10446.9	10441.0	10440.4	10433.8	10433.2	10426.9	10424.5
5°	10805.9	10800.1	10806.6	10796.4	10798.5	10785.1	10784.0	10766.8	10760.9	10739.3	10730.0
7.5°	11194.8	11192.7	11196.7	11188.2	11187.9	11176.0	11171.1	11155.6	11146.0	11123.4	11109.0
10°	11280.1	11282.1	11278.8	11279.6	11275.0	11273.7	11269.0	11265.9	11258.2	11252.3	11243.7
12.5°	10926.3	10928.3	10914.9	10923.4	10916.7	10932.5	10931.2	10949.8	10952.6	10976.2	10985.1
15°	10108.5	10106.0	10080.0	10096.4	10087.6	10122.3	10130.0	10176.7	10201.6	10261.5	10298.2
17.5°	8873.2	8866.5	8830.1	8849.9	8839.8	8891.0	8908.1	8982.6	9029.1	9125.6	9194.3
20°	7400.7	7387.9	7345.3	7368.6	7358.1	7416.2	7440.7	7530.7	7590.7	7718.4	7809.3
22.5°	5909.9	5889.7	5847.9	5869.7	5859.8	5919.9	5951.8	6042.2	6110.9	6242.0	6348.1
25°	4571.1	4553.2	4512.8	4528.0	4524.4	4575.2	4603.5	4689.0	4756.5	4881.4	4982.7
27.5°	3486.5	3467.8	3431.3	3442.1	3438.4	3481.7	3508.4	3579.8	3638.0	3743.1	3832.0
30°	2668.5	2645.9	2614.9	2620.8	2618.4	2653.4	2678.4	2738.5	2788.3	2877.2	2953.8
32.5°	2045.4	2022.7	1994.2	1997.0	1993.2	2020.8	2041.4	2093.6	2137.0	2212.6	2279.3
35°	1565.0	1591.5	1530.8	1569.2	1529.2	1588.0	1566.8	1599.5	1636.9	1700.5	1756.1
37.5°	1203.1	1184.6	1169.0	1167.3	1167.2	1180.9	1197.0	1228.4	1261.3	1308.8	1357.8
40°	953.4	940.4	930.3	929.6	930.3	940.0	951.9	973.6	997.7	1031.8	1067.8
42.5°	790.7	782.2	776.0	775.6	777.6	784.4	792.7	805.6	821.3	843.4	868.0
45°	684.4	679.6	676.2	676.0	676.9	680.5	685.2	693.3	703.2	717.0	732.7
47.5°	609.8	608.6	606.5	606.6	605.6	607.0	607.6	612.2	617.4	627.8	648.2
50°	555.5	555.5	554.0	553.9	552.5	552.4	551.3	553.0	555.5	562.0	568.4
52.5°	512.5	512.4	510.8	510.5	509.0	508.9	507.9	508.6	508.9	512.2	516.1
55°	479.0	477.9	475.8	475.1	474.6	475.4	475.0	475.1	474.6	476.0	477.2
57.5°	454.8	453.5	451.6	451.0	450.9	451.8	451.8	451.6	449.7	448.5	446.7
60°	435.7	434.5	432.3	431.8	432.1	433.5	433.4	432.3	429.6	427.2	424.4
62.5°	417.1	416.5	415.4	415.3	415.0	415.2	414.3	413.0	410.4	407.8	404.9
65°	391.9	392.2	391.4	391.5	390.6	390.4	388.9	387.7	385.1	382.8	379.7
67.5°	365.9	366.1	365.4	365.4	364.9	365.0	364.0	363.0	360.7	358.8	356.5
70°	344.4	344.9	344.5	344.6	344.0	343.8	342.4	341.3	339.0	337.4	335.3
72.5°	318.7	319.7	319.7	320.0	319.0	318.7	317.0	315.6	313.4	312.3	310.6
75°	290.9	292.3	292.7	293.4	292.1	291.4	289.6	288.5	286.8	286.0	285.0
77.5°	263.7	265.4	267.0	268.5	266.3	264.4	262.2	260.4	257.9	257.0	255.2
80°	233.3	236.2	239.7	242.6	238.8	235.0	231.2	228.5	225.1	223.8	221.6
82.5°	193.5	196.6	198.5	200.4	197.7	195.0	191.3	188.9	185.4	184.0	181.5
85°	147.0	150.8	152.0	152.9	151.3	149.8	146.4	141.7	139.6	136.0	134.2
87.5°	96.7	98.9	99.4	99.7	98.6	97.9	95.8	93.6	89.8	86.9	83.6
90°	71.2	70.4	67.3	65.6	66.4	68.6	68.5	69.7	68.7	69.5	68.8
92.5°	46.8	43.6	40.6	37.5	40.8	43.6	46.9	49.7	52.9	55.9	59.0
95°	65.2	61.7	58.2	54.6	57.5	60.2	63.1	65.9	68.7	71.5	74.4
97.5°	91.4	89.0	86.6	84.3	85.9	87.6	89.2	90.9	92.5	94.2	95.9
100°	117.7	115.8	113.9	112.1	112.1	112.1	112.1	112.1	112.1	112.1	112.1
102.5°	193.3	185.4	177.3	169.3	174.7	180.1	185.6	191.0	196.5	201.9	207.4
105°	372.8	350.9	329.1	307.2	328.3	349.5	370.6	391.8	412.9	434.3	455.4
107.5°	684.2	649.6	615.0	580.4	619.0	657.5	696.1	734.7	773.2	811.9	850.6
110°	1026.6	993.7	960.8	927.9	968.8	1009.7	1050.6	1091.5	1132.5	1173.3	1214.4



TEST NUMBER: P1444576
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL40

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	1255.4	1239.4	1223.4	1207.4	1233.7	1260.1	1286.4	1312.8	1339.2	1365.7	1392.0
115°	1314.4	1313.4	1312.5	1311.5	1324.0	1336.5	1349.0	1361.4	1373.9	1386.4	1399.0
117.5°	1240.6	1249.6	1258.5	1267.4	1271.5	1275.5	1279.4	1283.4	1287.6	1291.6	1295.6
120°	1109.4	1121.3	1133.3	1145.2	1143.6	1141.9	1140.3	1138.7	1137.2	1135.5	1134.1
122.5°	955.6	967.4	979.4	991.4	987.9	984.3	980.8	977.3	973.9	970.4	967.1
125°	811.8	821.8	831.8	841.9	838.4	834.8	831.3	827.9	824.4	821.0	817.6
127.5°	697.0	703.4	709.6	715.9	714.2	712.5	711.1	709.5	707.9	706.4	705.0
130°	617.3	620.2	623.2	626.1	626.6	627.1	627.6	628.2	628.9	629.4	630.0
132.5°	568.1	568.8	569.6	570.5	572.4	574.2	576.3	578.3	580.3	582.3	584.6
135°	537.5	537.1	536.7	536.4	539.3	542.1	544.9	547.8	550.9	553.9	557.0
137.5°	519.8	518.9	518.2	517.4	520.2	523.0	525.9	528.8	531.7	534.8	537.9
140°	508.6	508.0	507.5	506.9	509.7	512.6	515.3	518.3	521.3	524.3	527.3
142.5°	498.3	497.7	497.1	496.5	499.1	501.7	504.4	507.0	509.8	512.5	515.2
145°	493.7	493.3	492.9	492.6	494.4	496.2	498.3	500.3	502.2	504.2	506.4
147.5°	484.9	484.7	484.6	484.5	485.8	487.3	488.7	490.1	491.6	493.1	494.7
150°	473.8	473.8	473.9	474.0	474.9	475.8	476.8	477.7	478.8	479.6	480.8
152.5°	458.9	458.9	459.2	459.3	460.2	461.1	462.1	462.8	463.9	464.8	465.9
155°	446.8	446.6	446.5	446.4	446.8	447.3	447.7	448.1	448.6	449.1	449.5
157.5°	438.1	437.9	437.9	437.7	437.8	438.0	438.2	438.4	438.6	438.8	439.0
160°	430.0	429.6	429.2	428.9	429.3	429.6	430.0	430.3	430.8	431.2	431.5
162.5°	426.6	426.4	426.3	426.1	426.1	425.9	425.8	425.7	425.6	425.5	425.5
165°	422.6	422.2	421.8	421.4	421.5	421.7	421.8	421.9	422.1	422.2	422.3
167.5°	422.1	421.7	421.3	420.9	420.7	420.2	420.0	419.6	419.3	419.0	418.8
170°	419.3	419.0	418.6	418.4	418.3	418.2	418.2	418.0	418.0	418.0	418.0
172.5°	420.8	420.5	420.1	419.8	419.7	419.7	419.6	419.6	419.5	419.5	419.5
175°	421.2	421.2	421.1	421.0	420.8	420.5	420.3	420.1	419.8	419.5	419.3
177.5°	420.7	420.4	420.1	419.9	419.9	419.9	419.9	419.9	419.9	419.8	419.8
180°	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0



TEST NUMBER: P1444576
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CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0
2.5°	10417.8	10415.0	10407.7	10404.2	10397.5	10394.2	10389.0	10385.6	10381.4	10378.3	10376.7
5°	10706.3	10693.1	10666.4	10650.0	10621.1	10602.1	10573.4	10552.5	10523.0	10501.1	10473.2
7.5°	11081.9	11061.4	11027.3	11001.3	10961.0	10930.2	10884.9	10848.7	10798.7	10757.2	10706.1
10°	11234.8	11222.8	11207.5	11190.8	11168.5	11146.6	11115.7	11084.2	11042.2	11000.4	10945.9
12.5°	11008.8	11020.1	11042.2	11052.5	11069.5	11075.2	11082.9	11079.3	11072.5	11055.4	11030.7
15°	10368.8	10415.7	10489.9	10541.0	10612.8	10663.3	10730.0	10772.9	10822.4	10852.0	10880.1
17.5°	9316.1	9406.8	9537.5	9641.8	9781.8	9895.7	10035.2	10144.8	10271.3	10368.3	10471.7
20°	7967.7	8094.7	8275.1	8428.4	8631.3	8803.4	9023.8	9208.5	9423.8	9603.3	9797.1
22.5°	6516.4	6665.7	6872.6	7057.5	7299.7	7516.1	7792.3	8036.5	8327.7	8588.6	8877.0
25°	5147.3	5293.7	5504.4	5695.7	5957.3	6195.7	6497.5	6777.5	7115.4	7430.5	7792.3
27.5°	3973.2	4103.3	4288.4	4460.7	4700.3	4934.4	5240.6	5539.2	5899.8	6238.5	6628.3
30°	3068.4	3173.9	3322.4	3461.0	3653.3	3844.6	4117.4	4393.6	4752.4	5103.3	5503.0
32.5°	2378.0	2467.9	2591.7	2704.3	2852.4	2996.8	3197.6	3418.3	3733.1	4069.2	4455.7
35°	1840.8	1917.7	2023.2	2120.1	2242.0	2356.5	2506.4	2663.9	2904.1	3186.9	3532.8
37.5°	1467.6	1499.0	1574.2	1653.6	1754.8	1848.9	1966.2	2082.7	2254.5	2477.6	2760.2
40°	1116.1	1165.9	1227.2	1289.7	1366.3	1441.9	1570.5	1632.4	1745.5	1905.7	2125.0
42.5°	900.6	935.5	978.6	1022.2	1075.6	1128.1	1193.2	1259.5	1344.1	1452.5	1608.5
45°	753.6	776.4	804.2	833.2	868.2	904.2	947.7	993.2	1050.5	1117.2	1211.9
47.5°	655.4	668.0	686.2	706.0	730.0	754.9	783.2	812.1	847.8	887.3	941.3
50°	578.8	589.3	603.4	616.7	633.3	658.7	669.9	685.9	707.3	730.6	760.8
52.5°	523.4	530.3	539.2	546.8	557.2	566.8	579.3	590.3	605.2	619.1	638.7
55°	480.1	482.7	487.7	492.6	499.9	506.4	514.9	522.2	531.6	540.0	552.2
57.5°	446.8	447.0	449.4	451.9	456.6	460.7	466.6	471.3	477.9	483.2	490.5
60°	422.9	421.6	422.1	423.0	425.5	428.2	432.0	435.1	439.2	442.2	446.3
62.5°	402.9	400.9	400.5	400.2	401.6	402.4	404.5	406.0	408.3	409.7	411.9
65°	377.7	375.3	374.4	373.4	373.8	373.5	374.1	374.2	375.4	375.7	377.0
67.5°	354.9	352.9	351.7	350.2	349.6	348.5	348.0	347.0	346.9	346.1	345.9
70°	334.0	332.1	331.1	329.8	329.1	327.7	326.8	325.1	324.1	322.5	321.6
72.5°	309.9	308.8	308.5	307.6	307.4	306.6	306.3	305.0	304.3	303.0	302.2
75°	284.7	283.8	283.8	282.8	282.7	281.8	281.6	280.3	279.7	278.3	277.7
77.5°	254.7	253.3	252.9	251.9	252.2	251.8	252.1	251.2	250.7	249.4	248.9
80°	220.9	219.1	218.5	217.1	217.5	216.8	217.5	217.4	217.9	216.8	216.6
82.5°	180.8	179.0	178.6	177.6	178.3	178.4	179.8	179.0	179.4	178.3	178.8
85°	131.6	130.2	128.3	128.0	126.7	128.0	126.4	127.5	125.6	126.9	125.2
87.5°	81.5	78.7	77.2	75.1	74.4	72.4	71.6	70.2	70.6	69.9	70.3
90°	70.1	69.7	72.8	74.4	77.7	79.4	83.2	85.5	89.4	91.6	95.7
92.5°	62.0	65.0	70.7	76.4	82.0	87.6	93.3	99.0	104.6	110.3	115.9
95°	77.1	80.0	87.5	95.0	102.5	110.1	117.7	125.2	132.8	140.3	147.8
97.5°	97.5	99.2	106.8	114.2	121.8	129.4	136.8	144.5	152.1	159.5	167.1
100°	112.1	112.2	133.6	155.0	176.3	197.7	219.1	240.6	262.0	283.4	304.8
102.5°	212.8	218.2	272.3	326.3	380.4	434.6	488.7	542.8	596.9	651.1	705.2
105°	476.6	497.7	580.2	662.9	745.5	828.1	910.6	993.3	1075.8	1158.5	1241.0
107.5°	889.1	927.7	1002.3	1076.9	1151.4	1226.1	1300.6	1375.2	1449.8	1524.4	1599.1
110°	1255.3	1296.2	1346.2	1396.0	1446.0	1495.9	1545.8	1595.7	1645.7	1695.6	1745.7



TEST NUMBER: P1444576
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL40

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	1418.3	1444.7	1473.7	1502.7	1531.8	1560.7	1589.8	1618.8	1648.0	1676.9	1706.1
115°	1411.4	1424.0	1435.1	1446.3	1457.5	1468.6	1479.9	1491.1	1502.4	1513.5	1524.8
117.5°	1299.8	1303.9	1305.3	1307.0	1308.5	1310.1	1311.7	1313.3	1314.9	1316.6	1318.1
120°	1132.5	1130.9	1128.7	1126.6	1124.4	1122.3	1120.1	1118.0	1115.9	1113.8	1111.7
122.5°	963.6	960.3	958.0	956.0	953.8	951.7	949.8	947.7	945.6	943.6	941.5
125°	814.3	811.0	812.1	813.3	814.6	815.9	817.1	818.4	819.7	820.9	822.3
127.5°	703.5	702.1	705.9	709.8	713.6	717.5	721.3	725.2	729.0	733.0	736.8
130°	630.8	631.5	636.5	641.6	646.6	651.7	656.8	661.9	666.9	672.0	677.1
132.5°	586.6	588.9	593.5	598.4	603.2	608.1	612.9	617.9	622.6	627.6	632.3
135°	560.0	563.1	567.6	571.8	576.2	580.6	584.9	589.4	593.7	598.1	602.4
137.5°	540.8	544.0	547.4	550.8	554.1	557.6	561.1	564.5	567.9	571.3	574.6
140°	530.3	533.6	535.1	537.0	538.7	540.4	542.2	544.0	545.6	547.4	549.1
142.5°	518.1	520.9	521.8	522.9	523.8	524.9	525.9	526.9	527.9	528.9	529.8
145°	508.3	510.5	510.2	510.0	509.8	509.6	509.3	509.1	508.8	508.6	508.3
147.5°	496.2	497.8	497.2	496.8	496.2	495.7	495.2	494.7	494.0	493.5	493.0
150°	481.7	482.9	482.0	481.3	480.4	479.6	478.8	478.0	477.1	476.4	475.5
152.5°	466.8	467.9	466.9	466.1	465.2	464.4	463.4	462.7	461.8	460.9	460.1
155°	450.0	450.5	450.0	449.6	449.2	448.7	448.2	447.8	447.5	447.0	446.6
157.5°	439.2	439.4	439.2	438.9	438.6	438.4	438.2	437.9	437.8	437.6	437.5
160°	431.9	432.4	432.1	431.8	431.6	431.3	431.1	430.9	430.8	430.6	430.5
162.5°	425.4	425.3	425.1	424.8	424.6	424.4	424.2	424.1	424.0	423.8	423.7
165°	422.6	422.8	422.2	421.8	421.4	420.9	420.5	420.1	419.8	419.4	419.0
167.5°	418.5	418.3	418.3	418.4	418.4	418.4	418.5	418.5	418.6	418.7	418.8
170°	417.9	418.0	417.7	417.5	417.3	417.1	416.8	416.7	416.6	416.3	416.2
172.5°	419.5	419.5	419.0	418.5	418.2	417.7	417.2	416.8	416.4	415.9	415.4
175°	419.0	418.8	418.6	418.4	418.2	417.8	417.6	417.3	417.1	416.8	416.6
177.5°	419.8	419.7	419.6	419.6	419.6	419.6	419.6	419.5	419.5	419.5	419.4
180°	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0



TEST NUMBER: P1444576
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL40

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0
2.5°	10374.6	10374.4	10373.5	10373.9	10374.1	10374.8	10375.7	10376.7	10376.9	10377.6	10377.8
5°	10452.2	10426.6	10407.5	10386.7	10371.0	10356.8	10347.4	10340.0	10337.1	10337.8	10339.6
7.5°	10662.7	10609.8	10566.1	10516.4	10474.9	10431.0	10394.7	10360.1	10334.8	10316.1	10305.6
10°	10893.8	10829.2	10767.5	10695.6	10627.4	10554.6	10488.6	10422.2	10366.9	10318.7	10283.5
12.5°	10996.3	10950.7	10897.3	10829.4	10756.4	10672.5	10587.6	10496.6	10412.1	10333.6	10270.2
15°	10887.8	10887.9	10868.4	10835.8	10785.1	10718.0	10637.1	10542.3	10442.5	10340.7	10247.7
17.5°	10543.2	10608.2	10644.4	10667.2	10660.2	10635.5	10584.1	10511.3	10418.2	10309.7	10196.1
20°	9951.5	10104.8	10214.1	10312.5	10367.6	10404.2	10400.5	10370.8	10304.6	10212.4	10094.1
22.5°	9122.5	9379.9	9582.9	9772.4	9905.2	10013.2	10064.6	10086.3	10056.4	9992.1	9881.1
25°	8115.7	8465.6	8764.3	9054.1	9271.4	9458.4	9570.6	9649.7	9656.0	9622.4	9523.4
27.5°	6996.9	7409.9	7787.9	8173.1	8478.8	8747.5	8923.7	9052.7	9093.6	9088.2	8998.3
30°	5879.5	6313.2	6729.8	7179.0	7557.3	7900.5	8133.3	8307.7	8374.9	8387.8	8301.3
32.5°	4824.3	5251.9	5667.4	6137.0	6553.3	6946.6	7221.6	7428.9	7507.1	7525.4	7430.5
35°	3866.6	4261.1	4656.0	5111.1	5525.0	5932.3	6222.0	6439.0	6512.0	6524.4	6414.5
37.5°	3036.1	3372.3	3716.3	4124.7	4504.7	4887.2	5162.7	5366.5	5419.7	5416.4	5292.1
40°	2336.8	2598.1	2874.6	3210.8	3526.9	3850.1	4082.6	4251.2	4279.2	4258.5	4127.9
42.5°	1757.2	1945.9	2146.4	2397.3	2631.8	2873.8	3042.9	3168.0	3172.1	3139.4	3022.1
45°	1309.1	1493.3	1577.2	1729.0	1880.1	2041.0	2144.2	2221.5	2209.6	2180.8	2091.7
47.5°	998.0	1068.7	1143.8	1237.9	1325.9	1508.5	1494.9	1619.0	1529.6	1590.6	1456.4
50°	792.5	832.0	872.5	922.5	968.3	1016.1	1045.9	1068.2	1065.3	1055.8	1030.0
52.5°	674.2	686.4	706.4	734.7	760.4	786.2	803.2	817.1	817.3	813.4	800.5
55°	563.5	579.1	593.3	611.9	643.5	648.4	672.7	667.8	669.7	662.9	669.8
57.5°	496.8	505.9	513.9	524.9	534.1	544.8	551.1	557.1	556.6	555.2	548.6
60°	449.6	454.6	459.0	465.5	470.5	476.5	479.5	482.5	481.5	479.3	473.4
62.5°	413.1	416.3	418.8	423.0	426.0	429.7	431.3	432.6	431.3	429.2	424.0
65°	377.2	379.3	380.8	384.0	386.1	389.4	390.7	391.8	390.7	389.0	385.1
67.5°	344.8	345.0	344.9	346.2	346.7	348.7	349.3	350.2	348.8	347.3	344.0
70°	320.2	319.7	319.1	319.6	319.7	320.7	320.8	320.7	319.0	316.5	312.9
72.5°	301.1	300.8	300.3	300.7	300.7	301.6	301.3	300.9	298.8	296.5	292.8
75°	276.3	276.1	275.2	275.2	274.4	274.7	273.8	273.2	270.9	268.8	265.6
77.5°	247.4	246.9	245.6	245.1	243.6	243.0	241.1	240.2	237.9	236.2	233.5
80°	215.1	214.6	213.0	212.0	209.6	208.1	205.4	203.8	201.2	199.6	196.8
82.5°	177.9	178.1	176.3	175.1	171.8	169.2	165.5	163.5	160.6	159.0	156.3
85°	126.5	124.7	125.6	125.5	123.5	121.3	118.3	116.1	113.6	112.2	110.2
87.5°	69.3	69.8	69.3	68.9	67.4	66.3	63.9	62.7	60.9	60.0	58.5
90°	90.0	86.0	80.4	76.5	70.8	66.3	60.4	56.1	50.4	48.6	45.8
92.5°	109.5	103.2	97.0	90.5	84.3	77.9	71.5	65.2	58.8	56.6	54.6
95°	138.7	129.5	120.3	111.1	102.0	92.7	83.6	74.4	65.2	63.4	61.5
97.5°	156.3	145.5	134.7	123.9	113.0	102.2	91.5	80.6	69.8	68.7	67.5
100°	279.9	255.0	230.1	205.2	180.2	155.3	130.5	105.6	80.6	79.3	77.8
102.5°	644.8	584.4	523.9	463.5	403.1	342.7	282.3	221.8	161.5	152.7	144.1
105°	1149.7	1058.1	966.8	875.3	783.9	692.3	601.0	509.4	418.1	388.7	359.3
107.5°	1513.1	1427.2	1341.1	1255.2	1169.1	1083.2	997.1	911.1	825.0	773.3	721.6
110°	1677.2	1609.0	1540.7	1472.3	1404.1	1335.7	1267.2	1199.0	1130.6	1085.9	1041.4



TEST NUMBER: P1444576
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL40

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	1655.9	1605.6	1555.5	1505.3	1455.1	1404.9	1354.8	1304.5	1254.3	1227.1	1199.9
115°	1494.4	1464.0	1433.6	1403.2	1372.7	1342.3	1311.9	1281.4	1250.9	1236.5	1222.0
117.5°	1302.4	1286.6	1270.9	1255.1	1239.2	1223.4	1207.7	1191.8	1176.0	1170.8	1165.5
120°	1106.6	1101.4	1096.2	1091.1	1085.9	1080.7	1075.5	1070.3	1065.1	1065.3	1065.5
122.5°	942.8	944.0	945.2	946.3	947.6	948.7	950.0	951.0	952.2	955.5	958.8
125°	826.1	829.9	833.8	837.6	841.2	845.1	848.9	852.6	856.4	859.7	863.0
127.5°	741.2	745.5	749.9	754.1	758.4	762.7	767.1	771.2	775.5	778.4	781.4
130°	680.8	684.4	688.0	691.5	695.3	698.8	702.4	706.0	709.6	711.7	713.6
132.5°	635.4	638.7	641.8	644.9	648.1	651.3	654.4	657.5	660.8	662.1	663.3
135°	604.7	606.8	609.0	611.2	613.5	615.6	617.9	620.1	622.3	622.9	623.6
137.5°	576.4	578.1	579.8	581.6	583.3	585.0	586.8	588.6	590.3	590.2	590.2
140°	551.1	553.0	554.8	556.8	558.7	560.7	562.6	564.6	566.7	566.6	566.5
142.5°	531.2	532.6	534.1	535.4	536.9	538.3	539.8	541.3	542.8	542.7	542.6
145°	510.2	512.0	513.8	515.7	517.6	519.4	521.5	523.4	525.4	525.0	524.7
147.5°	494.5	496.1	497.7	499.3	501.1	502.6	504.3	506.1	507.8	507.4	507.2
150°	477.4	479.2	480.8	482.7	484.6	486.5	488.3	490.3	492.3	492.4	492.4
152.5°	462.1	464.0	466.0	468.1	470.2	472.4	474.5	476.6	478.8	478.9	479.0
155°	448.6	450.6	452.6	454.7	456.9	458.9	461.1	463.1	465.3	465.6	465.9
157.5°	439.3	441.0	442.8	444.7	446.5	448.4	450.3	452.1	454.0	454.3	454.5
160°	432.1	433.7	435.2	436.8	438.5	440.1	441.6	443.3	444.9	445.2	445.4
162.5°	425.2	426.9	428.5	429.9	431.6	433.2	434.8	436.4	438.0	438.2	438.5
165°	420.2	421.2	422.4	423.4	424.5	425.6	426.8	427.8	429.1	429.4	429.8
167.5°	419.7	420.4	421.3	422.1	423.1	423.9	424.7	425.5	426.4	426.8	427.2
170°	417.0	417.8	418.5	419.3	420.2	421.0	421.8	422.6	423.5	423.8	424.2
172.5°	416.0	416.5	417.0	417.6	418.1	418.6	419.1	419.7	420.3	420.9	421.4
175°	416.8	417.1	417.4	417.7	417.9	418.3	418.5	418.8	419.1	419.6	420.1
177.5°	419.6	419.9	420.1	420.3	420.7	420.9	421.2	421.5	421.7	422.4	423.1
180°	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0



TEST NUMBER: P1444576
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CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0
2.5°	10377.4	10377.3	10377.0	10376.5	10376.0	10376.3	10376.8	10378.0	10380.0	10383.1	10387.0
5°	10340.9	10343.1	10344.3	10344.5	10343.4	10342.7	10343.7	10346.5	10352.3	10362.0	10375.0
7.5°	10302.8	10305.4	10309.4	10312.5	10313.0	10312.3	10312.5	10316.9	10327.5	10346.3	10372.7
10°	10262.0	10254.2	10258.3	10265.8	10271.8	10272.9	10273.6	10278.9	10294.4	10322.8	10365.1
12.5°	10224.3	10199.8	10195.1	10201.7	10210.8	10213.7	10212.9	10215.2	10233.4	10270.9	10329.9
15°	10174.7	10128.6	10112.9	10114.5	10125.7	10129.7	10126.8	10122.3	10140.1	10185.9	10262.3
17.5°	10094.6	10020.1	9991.1	9989.9	10002.8	10006.4	9999.2	9985.3	10002.7	10060.0	10154.8
20°	9972.7	9862.8	9808.1	9799.4	9813.6	9809.4	9795.2	9774.2	9797.0	9866.7	9979.5
22.5°	9753.5	9614.2	9520.9	9490.8	9507.8	9496.5	9475.5	9448.7	9479.2	9558.3	9683.9
25°	9395.5	9234.5	9106.7	9035.0	9048.6	9028.2	9005.5	8973.0	9009.4	9100.1	9238.3
27.5°	8869.1	8683.2	8524.8	8406.1	8410.5	8383.9	8357.8	8315.8	8361.1	8468.5	8624.4
30°	8169.2	7954.1	7761.2	7599.9	7585.4	7559.7	7532.9	7477.8	7534.5	7663.1	7845.3
32.5°	7290.3	7051.4	6828.5	6624.6	6586.2	6561.0	6537.2	6473.6	6547.9	6697.9	6907.2
35°	6262.3	6007.9	5766.3	5533.4	5469.6	5444.5	5423.7	5362.7	5455.5	5618.7	5844.8
37.5°	5134.1	4874.2	4634.3	4395.4	4305.3	4271.2	4256.1	4216.2	4323.2	4484.6	4711.6
40°	3975.8	3734.1	3519.0	3308.1	3205.4	3153.2	3145.4	3138.1	3241.4	3381.5	3587.6
42.5°	2892.2	2697.2	2531.4	2370.1	2277.1	2205.9	2205.9	2227.5	2320.5	2425.4	2584.4
45°	2000.6	1869.8	1764.2	1656.4	1685.2	1543.3	1626.7	1583.8	1629.8	1697.5	1800.8
47.5°	1375.3	1303.8	1245.8	1185.6	1141.7	1099.8	1103.5	1130.5	1173.8	1213.9	1267.7
50°	1002.3	966.0	936.4	905.2	883.3	864.8	865.9	877.6	900.4	921.5	949.6
52.5°	785.4	765.3	749.3	732.0	720.5	711.4	711.9	717.6	729.8	741.9	758.0
55°	647.3	645.0	624.0	608.5	602.6	596.4	597.6	599.8	608.2	615.2	625.9
57.5°	542.5	533.1	526.8	518.6	514.9	510.6	511.6	512.5	518.1	522.8	530.4
60°	468.4	461.8	457.3	451.7	449.3	446.5	447.2	447.7	451.3	454.4	459.9
62.5°	419.2	413.2	409.4	405.1	403.4	401.6	401.9	402.1	404.4	406.7	410.8
65°	381.5	376.8	373.6	369.8	368.1	366.1	366.3	366.3	368.3	369.8	373.0
67.5°	341.5	338.0	335.9	333.0	331.8	329.8	329.8	329.2	330.4	331.0	333.2
70°	309.5	306.0	303.3	300.5	298.9	297.2	297.2	297.2	298.7	300.2	302.9
72.5°	289.8	286.3	284.0	281.5	280.0	278.6	278.3	278.2	279.2	279.9	281.8
75°	263.5	260.8	259.4	257.2	256.0	254.3	254.0	253.2	253.7	253.9	255.3
77.5°	231.7	229.2	228.1	225.7	224.7	222.9	222.7	221.8	222.2	222.0	223.0
80°	195.6	193.2	192.5	190.7	190.2	188.4	188.1	187.1	187.4	186.6	187.0
82.5°	155.1	152.9	152.4	150.7	150.7	149.1	149.0	147.4	147.4	146.1	143.9
85°	109.2	107.7	107.0	105.5	105.1	103.8	103.1	101.7	101.2	100.2	99.9
87.5°	57.7	56.7	55.8	55.1	53.8	51.5	51.3	49.7	49.9	48.7	48.8
90°	44.2	41.6	39.9	37.2	35.7	33.4	31.8	33.2	34.8	36.1	37.7
92.5°	52.5	50.4	48.2	46.2	44.0	41.9	39.8	41.9	44.0	46.2	48.2
95°	59.6	57.8	55.8	53.9	52.1	50.2	48.3	50.2	52.1	54.0	55.9
97.5°	66.3	65.1	63.9	62.8	61.6	60.4	59.2	60.4	61.6	62.8	63.9
100°	76.4	75.0	73.6	72.2	70.8	69.3	68.0	69.4	70.9	72.3	73.7
102.5°	135.4	126.7	118.0	109.3	100.6	91.9	83.2	91.9	100.6	109.4	118.1
105°	329.8	300.5	271.1	241.7	212.3	182.9	153.5	183.0	212.4	241.8	271.2
107.5°	669.9	618.2	566.5	514.7	463.0	411.3	359.5	411.4	463.1	514.8	566.6
110°	996.7	952.0	907.4	862.8	818.1	773.4	728.8	773.4	818.1	862.8	907.5



TEST NUMBER: P1444576
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL40

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	1172.6	1145.4	1118.1	1090.9	1063.7	1036.5	1009.2	1036.5	1063.8	1091.1	1118.3
115°	1207.5	1193.0	1178.5	1164.0	1149.5	1134.9	1120.4	1135.0	1149.7	1164.2	1178.8
117.5°	1160.2	1154.9	1149.6	1144.3	1139.0	1133.6	1128.2	1133.7	1139.1	1144.6	1150.0
120°	1065.6	1065.8	1066.0	1066.1	1066.3	1066.4	1066.5	1066.5	1066.5	1066.5	1066.5
122.5°	962.0	965.3	968.5	971.8	975.0	978.3	981.3	978.3	975.3	972.4	969.2
125°	866.3	869.7	873.0	876.3	879.4	882.8	885.8	883.0	879.9	876.9	873.7
127.5°	784.2	787.0	789.9	792.8	795.4	798.3	800.9	798.5	795.8	793.3	790.7
130°	715.5	717.6	719.4	721.5	723.3	725.1	726.9	725.3	723.6	722.2	720.3
132.5°	664.6	665.9	667.2	668.3	669.5	670.7	671.8	670.9	670.0	669.0	668.0
135°	624.1	624.7	625.3	625.9	626.4	626.9	627.2	627.2	626.9	626.7	626.3
137.5°	590.1	590.0	589.9	589.7	589.5	589.2	588.9	589.5	590.0	590.5	590.9
140°	566.4	566.4	566.2	566.0	566.0	565.7	565.3	566.0	566.5	566.9	567.3
142.5°	542.6	542.5	542.4	542.2	542.1	541.8	541.5	542.1	542.6	543.0	543.4
145°	524.4	524.1	523.7	523.4	522.9	522.4	521.8	522.7	523.4	524.0	524.7
147.5°	506.8	506.5	506.0	505.6	505.1	504.7	504.1	504.9	505.6	506.3	507.0
150°	492.6	492.7	492.7	492.8	492.8	492.7	492.6	492.9	493.3	493.5	493.7
152.5°	479.0	479.1	479.1	479.1	479.2	479.0	478.9	479.3	479.6	479.9	480.1
155°	466.1	466.4	466.6	466.8	467.0	467.2	467.4	467.5	467.6	467.7	467.8
157.5°	454.7	455.0	455.2	455.4	455.6	455.8	456.0	456.2	456.3	456.5	456.5
160°	445.6	445.9	446.0	446.2	446.4	446.6	446.7	446.9	447.1	447.2	447.3
162.5°	438.7	438.9	439.0	439.3	439.4	439.6	439.8	440.0	440.2	440.3	440.4
165°	430.2	430.7	431.1	431.6	432.0	432.5	432.8	432.8	432.6	432.6	432.4
167.5°	427.6	428.1	428.4	428.9	429.2	429.6	429.9	429.9	429.7	429.6	429.6
170°	424.5	424.9	425.3	425.7	426.1	426.5	426.8	426.7	426.5	426.5	426.3
172.5°	421.9	422.6	423.2	423.8	424.2	424.8	425.4	425.1	424.6	424.3	423.9
175°	420.6	421.2	421.7	422.3	422.7	423.3	423.9	423.4	423.1	422.7	422.3
177.5°	424.0	424.7	425.4	426.1	426.9	427.6	428.4	427.7	427.0	426.3	425.6
180°	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0



TEST NUMBER: P1444576
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CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0
2.5°	10392.5	10397.7	10405.7	10412.9	10423.7	10432.3	10445.2	10454.9	10469.4	10478.8	10494.7
5°	10393.5	10413.8	10440.5	10466.7	10498.0	10526.5	10561.9	10592.0	10627.6	10656.5	10693.0
7.5°	10408.1	10447.4	10494.4	10541.7	10595.2	10645.3	10701.8	10752.9	10808.7	10856.0	10907.6
10°	10419.0	10479.4	10548.7	10618.4	10691.8	10760.0	10828.7	10888.2	10943.8	10989.5	11029.9
12.5°	10404.3	10487.6	10576.5	10662.3	10743.9	10814.4	10873.6	10919.3	10950.9	10972.3	10977.4
15°	10354.3	10454.6	10551.2	10636.7	10704.4	10756.5	10783.6	10796.2	10782.7	10760.1	10710.6
17.5°	10261.0	10366.7	10453.1	10520.5	10556.3	10570.5	10548.1	10509.1	10433.1	10348.6	10226.6
20°	10089.9	10188.4	10251.1	10287.8	10278.3	10242.8	10158.3	10055.6	9903.7	9741.7	9528.1
22.5°	9789.7	9875.8	9909.2	9911.9	9853.5	9764.9	9612.5	9436.4	9196.7	8947.5	8641.1
25°	9339.1	9414.5	9419.9	9390.2	9283.3	9139.7	8915.9	8666.6	8341.0	8009.0	7625.0
27.5°	8728.0	8800.3	8782.7	8727.3	8579.0	8386.9	8100.4	7778.4	7376.8	6984.7	6560.0
30°	7959.8	8037.2	8016.4	7945.5	7769.0	7541.9	7204.8	6830.7	6384.9	5966.1	5535.6
32.5°	7040.6	7138.3	7124.0	7056.6	6872.5	6629.5	6263.6	5866.9	5410.8	4998.0	4579.3
35°	5995.6	6114.4	6120.6	6076.5	5905.6	5665.4	5304.1	4920.1	4483.2	4093.8	3707.0
37.5°	4869.9	5007.7	5035.8	5024.0	4882.3	4670.3	4341.2	3996.6	3609.7	3268.3	2937.5
40°	3738.0	3877.3	3925.7	3940.0	3835.5	3671.3	3401.1	3123.1	2807.5	2531.0	2268.3
42.5°	2705.7	2829.2	2875.9	2905.3	2840.1	2730.5	2533.5	2331.5	2100.4	1901.0	1709.8
45°	1879.1	1966.5	2002.1	2031.6	1996.1	1934.3	1809.8	1683.6	1531.0	1400.6	1277.3
47.5°	1313.8	1362.0	1385.5	1399.8	1386.1	1353.8	1286.1	1212.9	1126.8	1050.6	977.4
50°	973.8	999.5	1011.7	1020.0	1010.0	992.1	955.5	915.6	868.3	825.2	783.0
52.5°	771.7	786.4	793.7	798.2	792.4	781.5	760.2	736.5	708.1	681.5	667.5
55°	650.2	649.4	666.2	658.1	666.2	648.0	644.3	618.2	594.7	578.2	560.2
57.5°	536.1	543.8	547.0	550.7	548.3	545.0	535.9	526.6	514.2	503.8	492.7
60°	464.1	470.4	473.9	477.5	477.3	476.0	470.8	465.2	457.5	451.3	444.6
62.5°	414.5	419.9	423.5	426.9	427.2	426.7	422.7	418.8	413.5	409.6	405.0
65°	375.4	379.3	381.6	384.4	384.3	383.5	379.9	376.7	372.4	369.6	366.2
67.5°	334.6	337.4	339.3	341.9	342.4	342.5	340.6	339.1	336.9	336.1	335.1
70°	305.5	309.0	312.0	315.3	317.1	317.9	317.1	316.3	315.0	314.5	313.6
72.5°	283.5	286.4	288.8	291.7	293.4	294.6	294.0	293.5	292.4	292.3	291.6
75°	256.2	258.2	259.5	261.8	262.7	263.7	263.3	263.5	263.3	264.0	264.0
77.5°	223.4	224.8	225.4	227.1	227.2	228.6	228.9	230.4	231.6	234.1	235.4
80°	186.3	187.3	187.3	189.0	189.8	192.0	193.1	195.7	196.8	199.1	199.3
82.5°	144.8	143.7	144.8	144.1	146.2	148.7	149.1	151.3	151.8	153.2	152.2
85°	99.0	98.9	98.0	98.1	97.5	97.8	97.4	97.8	97.4	97.5	96.5
87.5°	47.4	47.8	46.9	47.1	46.2	46.7	45.8	46.5	45.4	45.6	44.0
90°	39.3	40.9	42.2	43.9	45.7	49.8	53.9	58.1	62.4	66.6	70.8
92.5°	50.4	52.5	54.6	56.7	58.8	65.2	71.5	77.9	84.4	90.6	97.0
95°	57.9	59.7	61.6	63.6	65.4	74.6	83.8	92.9	102.2	111.3	120.5
97.5°	65.2	66.4	67.6	68.8	69.9	80.7	91.5	102.4	113.2	124.1	134.9
100°	75.1	76.5	77.9	79.5	80.8	105.8	130.7	155.6	180.5	205.4	230.3
102.5°	126.8	135.5	144.2	152.9	161.7	222.1	282.6	343.0	403.3	463.8	524.2
105°	300.6	329.9	359.5	388.9	418.3	509.7	601.3	692.7	784.2	875.6	967.2
107.5°	618.3	670.1	721.9	773.6	825.4	911.5	997.4	1083.6	1169.6	1255.5	1341.5
110°	952.2	996.8	1041.6	1086.3	1131.0	1199.4	1267.7	1336.2	1404.6	1472.9	1541.3



TEST NUMBER: P1444576
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL40

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	1145.7	1172.9	1200.1	1227.5	1254.8	1305.0	1355.3	1405.5	1455.8	1506.0	1556.2
115°	1193.4	1207.9	1222.4	1237.0	1251.5	1282.1	1312.6	1343.1	1373.5	1404.0	1434.5
117.5°	1155.4	1160.8	1166.1	1171.4	1176.7	1192.6	1208.5	1224.3	1240.2	1256.1	1272.0
120°	1066.5	1066.4	1066.3	1066.1	1066.0	1071.2	1076.6	1081.8	1087.0	1092.3	1097.5
122.5°	966.0	962.8	959.7	956.4	953.3	952.1	951.0	949.9	948.9	947.6	946.5
125°	870.5	867.4	864.1	861.0	857.7	854.0	850.3	846.4	842.7	839.1	835.2
127.5°	788.0	785.2	782.6	779.7	777.0	772.7	768.5	764.2	760.0	755.8	751.4
130°	718.6	716.8	715.1	713.0	711.3	707.5	704.1	700.5	696.9	693.4	689.9
132.5°	667.1	666.0	664.8	663.6	662.4	659.3	656.3	653.1	650.0	646.8	643.8
135°	626.0	625.5	625.1	624.6	624.1	622.0	619.8	617.7	615.6	613.3	611.2
137.5°	591.2	591.5	591.8	592.0	592.3	590.6	588.9	587.2	585.5	583.9	582.1
140°	567.7	568.0	568.2	568.4	568.7	566.8	564.9	563.0	561.2	559.2	557.2
142.5°	543.8	544.2	544.4	544.7	545.0	543.5	542.1	540.7	539.4	538.0	536.6
145°	525.3	525.9	526.5	526.9	527.5	525.6	523.8	522.0	520.2	518.3	516.6
147.5°	507.7	508.2	508.8	509.4	510.0	508.4	506.9	505.3	503.8	502.1	500.8
150°	494.0	494.1	494.3	494.5	494.6	492.8	491.0	489.4	487.7	485.8	484.2
152.5°	480.4	480.6	480.8	481.0	481.2	479.4	477.4	475.5	473.6	471.5	469.6
155°	467.9	467.9	467.9	467.9	467.9	466.0	464.1	462.3	460.4	458.4	456.6
157.5°	456.6	456.7	456.8	456.8	456.9	455.2	453.5	451.9	450.3	448.5	446.8
160°	447.4	447.5	447.6	447.7	447.7	446.3	445.0	443.5	442.2	440.7	439.3
162.5°	440.5	440.7	440.7	440.7	440.8	439.5	438.0	436.6	435.2	433.8	432.4
165°	432.3	432.1	432.0	431.7	431.6	430.6	429.8	428.9	428.0	426.9	426.0
167.5°	429.5	429.2	429.1	428.9	428.8	428.1	427.5	426.7	426.0	425.2	424.5
170°	426.2	425.9	425.8	425.6	425.4	424.7	424.1	423.5	422.9	422.0	421.3
172.5°	423.6	423.1	422.8	422.4	421.9	421.4	420.9	420.5	420.1	419.6	419.1
175°	421.8	421.4	421.0	420.6	420.1	420.0	419.7	419.5	419.2	419.0	418.7
177.5°	424.9	424.3	423.6	422.9	422.3	422.1	421.8	421.6	421.5	421.2	421.0
180°	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0



TEST NUMBER: P1444576
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CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0
2.5°	10504.4	10439.6	10431.0	10435.5	10446.3	10450.4	10462.1	10465.3	10477.1	10479.9	10491.2
5°	10721.2	10635.4	10639.6	10660.3	10691.5	10710.1	10740.8	10756.8	10786.1	10799.5	10825.9
7.5°	10949.8	10882.4	10903.4	10938.2	10980.8	11010.4	11047.2	11071.3	11103.0	11122.7	11148.2
10°	11061.9	11043.5	11066.5	11094.0	11118.3	11137.4	11153.0	11165.5	11173.7	11181.4	11184.7
12.5°	10976.6	11005.1	11009.0	11006.3	10990.2	10977.9	10950.2	10931.5	10898.1	10877.8	10838.1
15°	10660.0	10722.7	10688.0	10635.3	10558.3	10494.1	10403.4	10335.9	10241.4	10177.4	10082.6
17.5°	10104.4	10183.6	10093.0	9971.2	9816.3	9683.8	9518.7	9387.7	9223.6	9104.2	8951.1
20°	9322.2	9396.3	9234.7	9032.8	8793.2	8591.4	8353.6	8163.8	7942.8	7778.4	7579.9
22.5°	8348.4	8401.1	8173.4	7901.3	7596.0	7344.0	7059.6	6832.1	6579.8	6391.9	6180.3
25°	7271.0	7285.3	7012.2	6698.6	6358.3	6075.1	5771.5	5532.3	5275.0	5084.5	4876.9
27.5°	6183.5	6162.7	5867.5	5535.1	5177.1	4882.8	4586.7	4362.5	4137.2	3965.6	3786.7
30°	5157.3	5106.7	4800.2	4458.5	4111.0	3847.2	3601.3	3421.4	3242.1	3106.0	2962.4
32.5°	4216.0	4144.7	3846.4	3526.3	3233.5	3029.8	2847.5	2711.4	2566.6	2451.6	2331.1
35°	3382.4	3306.3	3042.1	2770.7	2549.1	2399.0	2255.7	2144.0	2021.1	1924.1	1819.5
37.5°	2666.9	2604.6	2383.3	2169.7	2002.1	1885.8	1768.4	1677.0	1575.5	1532.7	1421.0
40°	2058.9	2015.3	1842.3	1684.8	1558.9	1504.3	1385.1	1299.8	1223.9	1161.3	1100.6
42.5°	1605.9	1590.5	1422.0	1299.3	1210.7	1141.8	1075.4	1021.5	969.0	925.9	885.1
45°	1178.5	1166.4	1091.5	1020.7	960.3	912.1	867.3	830.2	795.8	767.5	741.6
47.5°	917.7	913.8	870.7	826.8	788.8	757.8	728.7	704.1	681.3	662.4	656.2
50°	746.4	745.9	720.6	693.5	666.4	648.5	629.9	615.4	600.8	589.4	577.4
52.5°	634.2	631.4	614.4	597.6	581.6	569.8	557.9	548.6	539.0	531.9	524.4
55°	546.0	548.9	539.0	529.0	518.9	511.7	503.3	497.1	490.5	486.1	481.6
57.5°	484.7	488.5	483.4	477.7	471.6	466.8	461.0	456.8	452.3	449.5	446.9
60°	440.2	444.3	442.2	439.4	435.5	432.7	429.1	426.7	423.9	422.3	420.8
62.5°	402.3	407.5	406.8	405.5	403.0	401.5	399.4	398.4	396.4	395.8	395.1
65°	364.6	370.4	370.3	369.6	368.4	367.9	366.6	366.4	365.4	365.8	365.7
67.5°	334.9	340.0	341.1	341.9	341.9	342.2	342.1	342.6	342.6	343.3	343.8
70°	313.4	317.1	317.9	318.7	318.9	319.6	319.6	320.1	319.9	320.6	320.7
72.5°	291.8	296.5	297.3	298.0	298.0	298.7	298.3	298.2	297.3	297.1	296.5
75°	264.9	270.9	272.2	273.1	273.2	273.8	273.0	272.4	270.9	270.2	269.1
77.5°	236.7	243.0	243.9	244.2	243.7	243.8	242.1	241.0	239.0	238.2	237.1
80°	200.2	209.3	210.0	209.4	208.0	207.8	206.2	205.1	202.7	201.9	201.0
82.5°	152.4	163.1	164.5	165.2	164.0	164.3	162.8	162.1	159.9	159.5	158.1
85°	96.2	106.9	108.6	108.3	107.3	107.0	106.1	106.4	106.2	106.8	107.1
87.5°	44.2	54.5	57.1	56.3	56.2	55.4	53.7	54.4	55.4	56.0	56.1
90°	75.0	82.3	86.4	83.0	78.6	75.0	70.7	67.3	63.1	59.7	55.5
92.5°	103.3	109.6	116.0	110.3	104.7	99.0	93.4	87.7	82.1	76.4	70.8
95°	129.7	138.8	147.9	140.4	132.8	125.2	117.7	110.2	102.6	95.1	87.6
97.5°	145.7	156.4	167.2	159.6	152.2	144.5	136.9	129.5	121.9	114.3	106.9
100°	255.2	280.0	304.9	283.5	262.1	240.8	219.3	197.8	176.4	155.1	133.7
102.5°	584.6	645.0	705.3	651.2	597.1	542.9	488.8	434.8	380.6	326.4	272.4
105°	1058.5	1149.9	1241.2	1158.6	1076.0	993.4	910.8	828.2	745.5	662.9	580.3
107.5°	1427.6	1513.4	1599.2	1524.6	1450.0	1375.4	1300.7	1226.3	1151.6	1077.0	1002.4
110°	1609.7	1677.6	1745.9	1695.8	1646.0	1595.9	1546.0	1496.0	1446.1	1396.2	1346.3



TEST NUMBER: P1444576
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CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	1606.4	1656.3	1706.3	1677.1	1648.2	1619.1	1590.0	1560.9	1532.0	1502.9	1473.9
115°	1464.9	1494.8	1525.1	1513.8	1502.6	1491.3	1480.1	1468.9	1457.7	1446.5	1435.4
117.5°	1287.7	1302.9	1318.6	1316.9	1315.3	1313.6	1312.0	1310.4	1308.8	1307.2	1305.6
120°	1102.7	1107.2	1112.2	1114.2	1116.4	1118.4	1120.6	1122.6	1124.8	1126.9	1129.0
122.5°	945.3	943.5	942.0	944.1	946.1	948.1	950.3	952.1	954.3	956.3	958.5
125°	831.5	826.8	822.8	821.5	820.3	818.9	817.6	816.4	815.1	813.8	812.6
127.5°	747.2	742.1	737.5	733.7	729.7	725.8	722.0	718.1	714.3	710.4	706.6
130°	686.2	681.7	677.9	672.8	667.8	662.5	657.5	652.5	647.4	642.4	637.3
132.5°	640.7	636.5	633.2	628.4	623.6	618.7	613.8	609.0	604.2	599.3	594.5
135°	609.0	605.8	603.3	598.9	594.8	590.3	585.9	581.6	577.3	572.9	568.6
137.5°	580.4	577.5	575.6	572.3	568.9	565.5	562.3	558.7	555.4	551.8	548.6
140°	555.5	552.2	550.1	548.5	546.7	545.1	543.4	541.6	540.0	538.3	536.5
142.5°	535.2	532.5	530.8	529.9	529.1	528.0	527.2	526.2	525.2	524.1	523.3
145°	514.7	511.5	509.4	509.6	510.0	510.2	510.5	510.8	511.1	511.3	511.6
147.5°	499.2	496.0	494.1	494.7	495.3	495.9	496.4	496.9	497.5	498.1	498.7
150°	482.4	478.8	476.5	477.4	478.2	479.1	479.9	480.8	481.6	482.5	483.3
152.5°	467.7	463.4	460.9	461.8	462.7	463.5	464.4	465.3	466.2	467.2	468.1
155°	454.6	450.1	447.5	447.9	448.3	448.7	449.1	449.6	450.1	450.5	451.1
157.5°	445.2	440.7	438.4	438.4	438.7	438.8	439.1	439.3	439.6	439.8	440.2
160°	437.9	433.6	431.4	431.4	431.7	431.8	432.0	432.2	432.5	432.7	433.0
162.5°	430.9	426.7	424.5	424.6	424.8	424.9	425.1	425.2	425.4	425.6	425.9
165°	424.9	421.6	419.9	420.2	420.6	420.9	421.3	421.8	422.2	422.6	423.1
167.5°	423.9	420.9	419.6	419.5	419.3	419.2	419.2	419.1	419.1	419.0	419.0
170°	420.5	418.2	417.0	417.1	417.4	417.5	417.6	417.9	418.0	418.2	418.5
172.5°	418.6	416.9	416.1	416.5	417.0	417.4	417.9	418.3	418.7	419.1	419.6
175°	418.5	417.5	417.2	417.3	417.6	417.8	418.1	418.3	418.5	418.7	419.1
177.5°	420.8	420.3	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.1	420.1
180°	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0



TEST NUMBER: P1444576
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL40

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0
2.5°	10493.4	10505.6	10504.7	10516.1	10515.5	10526.3	10524.1	10533.5	10531.3	10539.3	10534.5
5°	10837.6	10860.9	10868.5	10889.5	10893.9	10912.6	10913.0	10927.9	10926.2	10937.9	10931.7
7.5°	11163.2	11184.9	11195.2	11211.5	11219.7	11233.1	11238.4	11249.5	11252.2	11258.8	11258.6
10°	11190.6	11190.6	11195.6	11193.4	11198.0	11195.3	11200.9	11198.9	11207.1	11204.9	11211.1
12.5°	10820.9	10784.2	10770.8	10737.9	10730.6	10702.3	10704.4	10686.2	10694.9	10683.9	10702.8
15°	10026.2	9941.1	9899.1	9825.0	9801.9	9743.3	9738.6	9699.7	9710.2	9689.9	9719.5
17.5°	8852.0	8717.9	8644.4	8536.3	8493.5	8410.7	8394.1	8344.1	8351.8	8326.7	8362.5
20°	7452.0	7290.0	7197.3	7072.2	7016.5	6917.8	6891.7	6835.7	6842.7	6817.7	6858.3
22.5°	6035.9	5866.4	5761.7	5630.6	5559.5	5466.7	5438.9	5382.7	5385.8	5362.4	5401.4
25°	4734.7	4572.1	4470.4	4351.5	4289.7	4204.6	4175.4	4124.9	4127.7	4108.4	4143.3
27.5°	3662.6	3529.2	3444.2	3344.5	3289.1	3219.1	3190.6	3148.2	3148.0	3133.9	3163.1
30°	2862.2	2750.9	2674.4	2587.6	2535.6	2472.5	2444.9	2407.0	2405.3	2395.2	2418.5
32.5°	2241.0	2142.0	2072.3	1995.9	1949.2	1895.0	1869.0	1838.4	1835.7	1826.5	1845.6
35°	1742.1	1658.7	1598.9	1534.4	1539.2	1459.4	1472.6	1410.6	1393.8	1390.0	1404.3
37.5°	1346.4	1281.9	1233.2	1185.0	1152.3	1118.6	1100.4	1084.1	1082.3	1080.7	1090.6
40°	1053.9	1008.7	973.3	940.2	917.7	897.2	885.8	876.9	874.7	873.5	879.5
42.5°	852.9	822.5	799.7	779.4	765.8	754.6	748.4	743.4	741.7	741.8	745.4
45°	720.6	702.1	687.4	674.9	666.2	670.0	658.7	664.6	656.8	664.9	659.6
47.5°	634.7	618.8	609.8	600.9	595.7	591.3	591.5	591.6	593.3	593.5	595.3
50°	568.2	559.1	552.8	547.1	544.4	542.1	542.9	543.5	545.2	545.3	546.5
52.5°	519.1	513.1	509.3	505.8	504.6	503.3	503.8	503.6	504.3	504.0	505.0
55°	479.2	476.3	475.1	473.9	474.0	473.7	473.9	472.7	471.9	470.9	471.8
57.5°	446.3	446.0	446.7	447.3	448.8	449.4	449.7	448.2	446.8	445.6	446.3
60°	421.1	421.7	423.7	425.3	427.5	428.5	429.1	428.3	427.3	426.2	426.8
62.5°	396.2	397.1	399.5	401.4	403.9	405.3	406.8	406.9	407.3	406.9	407.3
65°	367.2	368.4	370.5	372.1	374.5	375.7	377.2	377.5	378.4	378.2	378.9
67.5°	345.2	346.3	348.1	349.5	351.7	352.9	354.3	354.3	354.7	354.6	355.3
70°	321.8	322.3	324.0	325.1	327.3	328.6	330.0	330.5	331.5	331.6	332.4
72.5°	296.7	296.5	297.4	298.0	299.6	300.7	302.6	303.7	305.3	305.7	306.3
75°	269.5	269.2	270.4	270.9	272.3	273.3	275.5	276.9	279.5	280.4	280.1
77.5°	238.0	238.5	240.7	241.8	243.7	245.0	247.8	250.1	254.7	256.8	254.7
80°	202.7	203.2	205.5	206.7	209.0	210.6	213.8	216.5	220.6	221.5	220.3
82.5°	159.3	159.5	161.5	162.4	165.5	167.8	171.9	174.0	176.5	176.1	175.8
85°	108.6	110.1	112.7	115.1	119.1	122.7	126.5	129.7	127.5	130.9	127.0
87.5°	58.1	58.0	61.3	60.8	66.2	69.3	72.6	74.2	76.0	75.6	75.6
90°	52.3	49.7	48.1	45.5	44.2	41.5	40.4	37.8	36.9	34.1	37.7
92.5°	65.1	62.1	59.0	56.0	52.9	49.8	46.8	43.7	40.7	37.6	40.7
95°	80.1	77.2	74.5	71.6	68.8	66.0	63.2	60.3	57.6	54.7	58.2
97.5°	99.3	97.6	96.0	94.4	92.7	91.1	89.4	87.8	86.1	84.5	86.8
100°	112.3	112.3	112.3	112.3	112.2	112.2	112.2	112.2	112.2	112.2	114.0
102.5°	218.3	212.9	207.5	202.0	196.6	191.1	185.7	180.2	174.8	169.4	177.4
105°	497.8	476.7	455.5	434.4	413.0	391.9	370.7	349.6	328.4	307.3	329.2
107.5°	927.9	889.2	850.7	812.0	773.3	734.8	696.2	657.6	619.1	580.5	615.1
110°	1296.3	1255.4	1214.5	1173.5	1132.6	1091.6	1050.7	1009.8	968.9	928.0	960.9



TEST NUMBER: P1444576
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	1444.8	1418.4	1392.1	1365.7	1339.3	1312.9	1286.6	1260.3	1233.9	1207.6	1223.6
115°	1424.1	1411.6	1399.1	1386.6	1374.0	1361.6	1349.1	1336.6	1324.1	1311.6	1312.6
117.5°	1304.1	1299.9	1295.8	1291.8	1287.8	1283.6	1279.6	1275.7	1271.6	1267.6	1258.7
120°	1131.3	1132.8	1134.2	1135.8	1137.4	1139.1	1140.5	1142.1	1143.8	1145.4	1133.5
122.5°	960.6	963.9	967.3	970.8	974.1	977.7	981.1	984.6	988.2	991.7	979.7
125°	811.4	814.7	818.0	821.5	824.8	828.3	831.8	835.3	838.8	842.4	832.3
127.5°	702.7	704.2	705.6	706.9	708.4	710.1	711.7	713.1	714.8	716.6	710.2
130°	632.3	631.5	630.8	630.2	629.4	629.0	628.4	627.9	627.4	626.9	623.9
132.5°	589.7	587.5	585.4	583.2	581.1	579.2	577.2	575.2	573.3	571.5	570.5
135°	564.2	561.1	557.9	555.0	551.8	549.0	546.0	543.2	540.4	537.5	537.8
137.5°	545.2	542.1	539.1	536.0	532.9	530.0	527.1	524.1	521.4	518.6	519.4
140°	534.9	531.7	528.6	525.6	522.7	519.6	516.7	513.9	511.0	508.3	508.8
142.5°	522.3	519.5	516.6	513.9	511.2	508.4	505.8	503.2	500.6	498.1	498.7
145°	511.9	509.8	507.7	505.6	503.6	501.7	499.7	497.8	496.0	494.2	494.4
147.5°	499.2	497.7	496.1	494.6	493.1	491.6	490.2	488.8	487.3	486.0	486.1
150°	484.2	483.2	482.1	481.1	480.1	479.2	478.3	477.3	476.4	475.5	475.3
152.5°	468.9	468.0	467.0	466.0	465.1	464.1	463.2	462.4	461.6	460.6	460.5
155°	451.6	451.1	450.6	450.2	449.7	449.3	448.8	448.6	448.1	447.7	447.7
157.5°	440.4	440.2	439.9	439.9	439.6	439.5	439.2	439.2	438.9	438.9	439.0
160°	433.3	432.9	432.4	432.2	431.7	431.3	430.9	430.7	430.3	429.9	430.2
162.5°	426.1	426.3	426.3	426.4	426.5	426.6	426.7	426.8	426.9	427.1	427.2
165°	423.6	423.4	423.2	423.0	422.9	422.7	422.6	422.5	422.3	422.3	422.6
167.5°	419.0	419.2	419.5	419.7	419.9	420.3	420.6	420.9	421.2	421.6	421.9
170°	418.5	418.5	418.5	418.5	418.5	418.6	418.6	418.6	418.7	418.8	419.0
172.5°	420.1	420.1	420.0	420.1	420.0	420.1	420.1	420.1	420.1	420.2	420.4
175°	419.2	419.5	419.8	420.0	420.2	420.5	420.7	420.9	421.2	421.4	421.4
177.5°	420.1	420.1	420.1	420.1	420.1	420.2	420.2	420.2	420.2	420.1	420.3
180°	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0



TEST NUMBER: P1444576
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CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0
2.5°	10542.3	10537.0	10542.4	10537.0	10542.4	10535.9	10540.3	10533.3	10535.0	10527.7	10529.5
5°	10940.9	10932.6	10937.0	10926.1	10927.3	10912.6	10912.4	10895.4	10890.9	10871.6	10863.1
7.5°	11263.3	11260.5	11262.1	11255.0	11254.3	11244.2	11239.5	11225.5	11216.6	11198.9	11186.7
10°	11212.2	11220.5	11222.6	11231.0	11232.7	11241.0	11242.8	11251.0	11252.8	11258.9	11259.0
12.5°	10701.9	10729.8	10736.5	10771.0	10785.5	10824.9	10846.0	10889.5	10915.3	10958.7	10985.3
15°	9718.8	9767.1	9786.3	9853.6	9890.9	9969.4	10018.7	10109.0	10172.7	10268.4	10336.8
17.5°	8365.7	8433.2	8463.6	8554.9	8614.4	8730.4	8813.9	8951.5	9056.8	9209.6	9330.9
20°	6865.2	6940.2	6981.5	7085.6	7155.9	7291.4	7395.7	7564.7	7705.7	7899.5	8065.1
22.5°	5413.6	5484.9	5530.8	5636.7	5715.9	5857.1	5973.8	6152.2	6310.2	6528.4	6727.0
25°	4156.6	4222.0	4263.5	4359.3	4433.6	4563.5	4674.8	4846.4	5001.0	5219.9	5423.6
27.5°	3177.7	3232.5	3272.5	3354.1	3419.6	3529.7	3625.4	3767.2	3900.4	4089.8	4271.2
30°	2432.8	2481.3	2520.2	2591.3	2652.2	2747.6	2831.7	2950.9	3061.1	3211.8	3356.1
32.5°	1859.1	1900.8	1935.5	1997.8	2052.9	2138.8	2214.6	2319.1	2413.7	2541.4	2660.2
35°	1417.4	1499.6	1493.8	1579.8	1593.6	1655.2	1722.9	1814.2	1898.0	2006.7	2107.7
37.5°	1100.2	1123.3	1148.1	1186.0	1226.0	1282.1	1339.2	1450.7	1491.7	1573.8	1657.4
40°	887.2	902.8	919.2	944.9	972.8	1012.3	1053.9	1107.1	1161.6	1228.2	1296.3
42.5°	750.1	758.9	769.3	784.3	801.6	826.7	854.5	890.5	928.5	975.4	1023.2
45°	670.1	665.9	669.0	677.1	687.5	702.7	720.3	742.6	767.4	797.7	830.0
47.5°	595.7	597.3	598.2	602.6	608.2	618.4	629.1	644.3	673.5	682.4	700.1
50°	546.4	547.2	546.9	549.2	552.0	558.6	565.5	575.8	586.0	599.7	612.6
52.5°	505.2	506.3	506.2	507.6	509.1	513.3	517.7	524.9	531.7	540.4	547.7
55°	472.6	474.1	474.8	476.0	476.8	479.0	480.7	484.2	487.0	491.9	496.4
57.5°	447.5	449.7	450.7	451.2	450.3	450.2	449.6	450.3	450.9	453.5	456.1
60°	427.8	429.6	429.8	429.6	428.0	426.8	424.9	424.3	424.0	425.3	426.7
62.5°	407.2	407.8	407.4	406.9	405.0	403.9	401.9	401.3	400.6	401.6	402.2
65°	378.7	379.2	378.7	378.3	376.7	375.7	374.1	373.6	372.7	372.9	372.8
67.5°	355.4	356.0	355.6	355.1	354.0	353.4	352.2	351.5	350.4	349.9	349.1
70°	332.3	332.7	332.1	331.6	330.3	329.8	328.8	328.5	327.6	327.4	326.5
72.5°	305.7	305.8	304.8	304.6	303.6	303.5	303.1	303.5	303.5	303.9	303.7
75°	278.6	278.2	277.0	276.8	276.0	276.4	275.9	276.6	276.6	277.6	277.8
77.5°	251.3	249.9	247.6	246.7	245.2	245.0	244.1	244.7	244.5	245.7	246.2
80°	216.9	215.1	212.3	211.0	209.2	208.9	208.1	208.9	208.5	209.9	210.9
82.5°	173.2	171.6	168.8	167.7	165.6	165.8	164.9	165.8	165.7	167.7	168.9
85°	128.1	127.1	124.1	121.4	118.5	116.7	115.0	114.7	114.1	115.0	115.7
87.5°	74.0	73.1	70.7	69.2	63.9	64.1	62.1	62.0	61.5	61.0	62.1
90°	39.3	42.6	44.4	47.6	49.5	52.9	54.9	58.2	60.6	64.5	67.1
92.5°	43.7	46.8	49.8	52.9	56.0	59.0	62.1	65.1	71.7	78.2	84.9
95°	61.8	65.3	68.9	72.3	75.8	79.4	82.9	86.4	96.1	105.7	115.3
97.5°	89.2	91.5	93.9	96.3	98.6	101.0	103.3	105.7	116.0	126.4	136.7
100°	115.9	117.8	119.6	121.6	123.5	125.3	127.2	129.1	149.2	169.1	189.2
102.5°	185.5	193.4	201.5	209.4	217.6	225.5	233.6	241.5	287.4	333.3	379.2
105°	351.0	372.9	394.9	416.7	438.6	460.5	482.3	504.2	577.6	651.0	724.4
107.5°	649.7	684.3	718.8	753.4	788.0	822.6	857.1	891.8	963.3	1034.9	1106.4
110°	993.8	1026.7	1059.6	1092.7	1125.6	1158.5	1191.4	1224.4	1267.3	1310.2	1353.0



TEST NUMBER: P1444576
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CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	1239.6	1255.5	1271.6	1287.7	1303.7	1319.7	1335.7	1351.8	1373.1	1394.3	1415.7
115°	1313.6	1314.6	1315.5	1316.5	1317.4	1318.5	1319.5	1320.6	1327.2	1333.5	1340.1
117.5°	1249.8	1240.9	1232.0	1223.2	1214.4	1205.6	1196.7	1188.0	1186.2	1184.5	1182.8
120°	1121.7	1109.7	1097.8	1085.7	1073.9	1062.0	1050.3	1038.5	1032.1	1025.7	1019.4
122.5°	967.8	955.9	944.1	932.1	920.2	908.4	896.7	884.9	880.3	875.5	871.0
125°	822.2	812.2	802.2	792.2	782.4	772.5	762.6	752.8	751.9	751.0	750.2
127.5°	704.0	697.7	691.5	685.4	679.2	673.2	667.2	661.1	662.8	664.6	666.4
130°	621.0	618.0	615.3	612.3	609.6	606.9	604.1	601.4	605.1	608.6	612.5
132.5°	569.8	569.0	568.3	567.6	567.0	566.4	565.8	565.2	569.6	573.8	578.3
135°	538.2	538.6	539.2	539.6	540.3	540.6	541.3	541.8	546.0	550.1	554.3
137.5°	520.3	521.1	522.1	523.1	524.0	525.0	526.1	527.1	530.3	533.5	536.6
140°	509.5	510.0	510.8	511.5	512.3	512.9	513.8	514.5	517.1	519.4	521.9
142.5°	499.3	499.8	500.6	501.3	502.0	502.6	503.4	504.2	505.9	507.5	509.3
145°	494.9	495.2	495.7	496.1	496.5	497.0	497.5	498.0	499.0	499.8	500.8
147.5°	486.2	486.3	486.5	486.7	487.0	487.2	487.4	487.6	488.0	488.5	489.0
150°	475.2	475.1	475.1	474.9	474.9	474.9	474.9	474.8	475.2	475.7	476.1
152.5°	460.4	460.3	460.1	460.0	459.9	459.9	459.7	459.7	460.1	460.6	461.0
155°	447.9	448.0	448.2	448.3	448.5	448.6	448.8	448.9	449.1	449.2	449.4
157.5°	439.1	439.2	439.4	439.5	439.7	439.8	439.9	440.1	440.3	440.4	440.5
160°	430.6	431.0	431.3	431.8	432.1	432.4	432.9	433.2	433.4	433.5	433.7
162.5°	427.4	427.5	427.7	427.8	427.9	428.1	428.2	428.4	428.8	429.2	429.5
165°	423.0	423.4	423.8	424.0	424.4	424.8	425.2	425.6	425.7	425.8	426.0
167.5°	422.3	422.6	423.1	423.4	423.9	424.1	424.6	424.9	425.0	425.1	425.3
170°	419.5	419.8	420.2	420.5	420.9	421.2	421.7	421.9	422.3	422.7	423.0
172.5°	420.8	421.0	421.4	421.6	422.0	422.3	422.7	423.0	423.3	423.7	423.9
175°	421.4	421.4	421.4	421.5	421.5	421.5	421.5	421.6	421.7	421.7	421.7
177.5°	420.6	420.8	421.0	421.3	421.5	421.7	422.0	422.2	422.2	422.2	422.2
180°	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0



TEST NUMBER: P1444576
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL40

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0
2.5°	10522.2	10522.7	10514.2	10513.7	10505.8	10504.8	10497.0	10494.7	10488.4	10486.1	10479.6
5°	10841.4	10831.1	10807.2	10793.2	10769.5	10753.9	10728.3	10711.6	10687.0	10668.4	10643.6
7.5°	11164.3	11148.3	11121.5	11099.6	11066.9	11040.8	11002.5	10971.1	10929.5	10893.6	10850.0
10°	11259.0	11256.5	11249.6	11239.7	11224.5	11207.4	11181.3	11154.1	11117.7	11078.1	11029.7
12.5°	11026.0	11051.1	11085.5	11105.8	11130.5	11141.4	11151.5	11149.0	11142.3	11122.3	11094.3
15°	10435.8	10506.5	10600.1	10672.7	10756.1	10816.8	10883.7	10925.5	10967.1	10986.4	10998.2
17.5°	9496.9	9630.7	9798.6	9937.7	10098.2	10227.2	10368.4	10474.8	10584.2	10662.6	10733.5
20°	8290.9	8484.8	8722.2	8932.0	9175.9	9387.7	9620.0	9810.7	10007.3	10161.0	10306.6
22.5°	6982.8	7213.2	7500.2	7766.0	8080.4	8362.9	8681.8	8959.2	9248.8	9490.9	9724.9
25°	5696.5	5949.1	6262.9	6559.6	6915.6	7244.3	7622.4	7968.1	8342.6	8667.6	8988.7
27.5°	4521.9	4769.9	5090.4	5406.1	5782.6	6132.8	6537.8	6918.9	7345.2	7738.3	8140.4
30°	3556.5	3766.8	4054.2	4360.0	4731.3	5087.7	5497.2	5889.0	6332.5	6761.7	7214.7
32.5°	2817.8	2978.0	3203.9	3462.4	3805.1	4144.3	4534.2	4912.5	5349.2	5782.8	6254.0
35°	2237.8	2362.8	2535.0	2736.8	3027.0	3319.4	3664.3	4008.2	4415.6	4827.1	5285.1
37.5°	1764.7	1866.0	2000.9	2152.6	2385.3	2625.2	2908.0	3193.2	3547.2	3911.9	4326.9
40°	1377.9	1460.1	1565.1	1678.1	1853.9	2038.8	2257.5	2478.6	2763.1	3061.2	3404.6
42.5°	1082.5	1143.1	1217.2	1299.8	1463.8	1562.0	1710.3	1870.3	2079.4	2295.8	2554.0
45°	869.3	910.7	962.1	1017.5	1093.7	1176.9	1278.4	1385.0	1583.6	1681.1	1838.1
47.5°	726.0	753.7	786.5	821.4	866.3	914.7	974.9	1036.5	1116.2	1198.7	1295.4
50°	629.4	657.6	668.9	687.0	712.9	740.6	774.6	808.5	851.2	894.6	944.4
52.5°	557.8	567.0	579.2	590.7	606.8	638.3	648.5	666.2	690.1	713.6	739.8
55°	503.0	509.0	517.0	523.9	533.7	543.0	556.4	568.2	584.2	598.3	615.7
57.5°	460.5	464.3	469.8	474.3	480.6	485.9	493.8	500.2	509.4	517.4	527.9
60°	429.6	432.1	435.7	438.8	442.7	445.5	449.4	452.4	457.3	461.3	467.2
62.5°	404.2	405.6	408.0	409.7	412.3	413.6	415.7	417.1	419.7	421.8	425.0
65°	374.0	374.2	375.8	376.6	378.6	379.4	381.0	381.6	383.9	385.3	388.2
67.5°	349.1	348.4	348.4	347.8	348.1	347.5	347.7	347.0	347.9	348.4	350.6
70°	326.4	325.4	325.1	324.1	323.8	322.7	322.4	321.4	321.3	321.0	321.8
72.5°	304.3	304.0	304.1	303.3	303.2	302.5	302.5	302.1	302.6	302.8	303.8
75°	278.9	278.9	279.5	278.8	279.0	278.4	278.6	278.0	278.3	278.2	279.2
77.5°	247.9	248.6	250.0	249.7	250.1	249.4	249.7	248.9	249.2	248.6	249.0
80°	213.1	214.6	216.4	216.4	217.2	216.6	217.3	216.6	216.9	215.9	215.7
82.5°	171.8	173.1	175.0	175.0	176.8	177.1	179.0	178.9	180.1	179.4	178.8
85°	117.4	118.3	120.0	120.9	122.7	123.8	125.5	126.3	124.9	127.4	125.5
87.5°	61.3	63.6	62.3	65.3	64.6	67.6	67.0	69.7	69.2	71.6	71.3
90°	71.4	74.3	78.6	81.4	86.2	89.4	87.6	84.0	82.2	78.6	76.9
92.5°	91.4	98.1	104.7	111.3	117.9	124.5	118.4	112.3	106.1	100.0	93.9
95°	124.9	134.7	144.3	153.9	163.5	173.2	162.9	152.4	142.1	131.8	121.4
97.5°	147.0	157.5	167.8	178.1	188.5	198.8	186.5	174.4	162.1	150.0	137.7
100°	209.1	229.2	249.1	269.1	289.2	309.2	286.4	263.5	240.9	218.1	195.2
102.5°	425.1	470.9	516.8	562.7	608.6	654.5	606.1	557.7	509.2	460.8	412.4
105°	797.8	871.3	944.7	1018.1	1091.5	1165.0	1086.5	1008.0	929.4	850.9	772.5
107.5°	1178.0	1249.5	1321.2	1392.7	1464.3	1535.9	1456.2	1376.6	1296.9	1217.2	1137.6
110°	1395.9	1438.8	1481.8	1524.6	1567.5	1610.5	1552.3	1494.0	1435.9	1377.5	1319.3



TEST NUMBER: P1444576
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL40

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	1436.9	1458.3	1479.5	1500.9	1522.1	1543.6	1501.8	1460.2	1418.2	1376.6	1334.8
115°	1346.7	1353.1	1359.7	1366.3	1372.7	1379.3	1350.9	1322.7	1294.3	1266.1	1237.8
117.5°	1181.1	1179.5	1177.9	1176.2	1174.4	1172.8	1156.8	1140.8	1124.6	1108.6	1092.5
120°	1013.1	1006.6	1000.4	994.1	987.7	981.4	974.3	967.2	960.1	953.0	945.8
122.5°	866.3	861.7	857.0	852.4	847.6	843.0	839.8	836.9	833.8	830.7	827.6
125°	749.4	748.5	747.6	746.7	745.8	745.0	743.1	741.2	739.4	737.5	735.5
127.5°	668.0	669.9	671.6	673.4	675.1	676.8	675.8	675.0	674.0	673.2	672.2
130°	616.0	619.7	623.3	627.0	630.4	634.2	632.8	631.4	630.0	628.7	627.3
132.5°	582.7	586.9	591.2	595.7	599.9	604.2	602.6	601.1	599.4	597.9	596.2
135°	558.3	562.5	566.5	570.7	574.6	578.7	576.8	575.0	573.1	571.4	569.5
137.5°	539.8	543.0	546.0	549.1	552.2	555.4	553.4	551.6	549.8	548.0	546.1
140°	524.2	526.7	529.0	531.5	533.8	536.2	534.1	532.0	529.8	527.8	525.7
142.5°	510.9	512.7	514.2	515.9	517.6	519.2	516.6	514.0	511.4	508.8	506.3
145°	501.7	502.7	503.6	504.6	505.4	506.4	503.4	500.7	497.7	494.9	491.9
147.5°	489.4	489.9	490.2	490.5	490.9	491.4	488.7	486.0	483.4	480.6	478.0
150°	476.4	477.0	477.3	477.6	478.1	478.4	475.6	473.0	470.2	467.5	464.9
152.5°	461.4	461.8	462.2	462.5	462.8	463.1	460.7	458.1	455.7	453.1	450.6
155°	449.5	449.7	449.8	449.9	450.0	450.1	447.9	446.0	443.9	441.8	439.7
157.5°	440.6	440.7	440.8	440.9	441.0	441.1	439.5	437.9	436.3	434.8	433.1
160°	433.8	433.9	434.0	434.1	434.2	434.3	432.9	431.5	430.2	428.9	427.4
162.5°	429.8	430.2	430.6	430.8	431.3	431.5	429.9	428.4	426.8	425.1	423.5
165°	426.1	426.2	426.3	426.4	426.5	426.6	425.4	424.3	423.2	422.1	421.0
167.5°	425.4	425.5	425.6	425.7	425.7	425.8	424.7	423.7	422.5	421.3	420.1
170°	423.3	423.7	424.0	424.1	424.5	424.7	423.9	423.0	422.0	421.2	420.2
172.5°	424.1	424.5	424.7	425.0	425.3	425.6	424.6	423.8	422.8	421.9	420.9
175°	421.7	421.8	421.9	421.9	421.9	421.9	421.2	420.5	419.8	419.1	418.4
177.5°	422.2	422.2	422.2	422.2	422.2	422.2	421.7	421.2	420.8	420.3	419.7
180°	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0



TEST NUMBER: P1444576
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL40

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0	10412.0
2.5°	10477.4	10472.9	10469.9	10466.2	10463.9	10461.0	10458.9	10457.0	10455.6	10454.2	10453.2
5°	10624.7	10601.3	10583.2	10563.4	10547.3	10531.1	10518.7	10508.4	10501.3	10495.9	10492.8
7.5°	10812.3	10769.4	10731.3	10691.1	10655.2	10619.8	10589.4	10563.0	10543.3	10530.5	10522.9
10°	10979.8	10922.4	10865.7	10805.9	10749.3	10694.4	10643.6	10599.0	10563.7	10540.2	10526.6
12.5°	11054.9	11006.0	10948.1	10883.2	10813.8	10743.6	10675.1	10613.3	10561.6	10526.8	10506.6
15°	10988.7	10968.7	10929.3	10879.0	10813.1	10740.5	10660.2	10584.5	10515.1	10470.0	10443.9
17.5°	10773.6	10801.6	10798.7	10779.4	10732.0	10670.9	10589.0	10504.1	10417.2	10356.9	10324.0
20°	10410.6	10498.7	10543.3	10566.3	10547.6	10508.0	10433.9	10347.7	10246.4	10167.8	10119.7
22.5°	9900.4	10055.9	10152.8	10223.7	10238.7	10225.2	10159.7	10077.8	9964.8	9870.3	9799.4
25°	9243.6	9471.4	9624.6	9744.6	9791.3	9803.2	9747.5	9666.1	9540.2	9430.1	9332.6
27.5°	8470.1	8766.0	8970.5	9131.8	9204.6	9236.2	9184.9	9101.8	8952.8	8821.4	8694.1
30°	7599.2	7950.4	8196.5	8389.9	8478.6	8520.4	8465.9	8373.1	8199.8	8041.5	7881.3
32.5°	6667.0	7051.3	7319.5	7529.6	7617.5	7656.8	7585.4	7481.3	7280.9	7094.6	6907.7
35°	5691.1	6078.9	6349.4	6554.0	6627.6	6651.3	6560.1	6439.7	6217.7	6013.2	5809.4
37.5°	4695.3	5056.2	5302.0	5485.4	5531.1	5535.1	5425.3	5292.3	5059.0	4857.4	4654.5
40°	3708.1	4012.4	4210.9	4357.8	4373.6	4359.5	4240.1	4106.2	3888.0	3707.3	3529.2
42.5°	2778.2	3007.9	3149.6	3250.2	3244.2	3216.3	3106.8	2991.7	2811.7	2674.1	2534.0
45°	1981.6	2133.0	2215.8	2274.8	2255.8	2229.2	2144.0	2063.4	1941.0	1852.1	1758.0
47.5°	1376.7	1557.5	1526.0	1641.2	1542.0	1607.5	1471.1	1395.8	1330.9	1283.6	1230.4
50°	985.5	1027.0	1047.0	1060.7	1053.4	1043.4	1018.8	996.9	967.2	945.6	920.4
52.5°	761.1	781.8	793.2	801.4	799.8	796.1	785.4	775.7	761.8	752.6	741.6
55°	644.7	645.0	665.9	656.9	670.1	654.7	660.8	643.6	646.3	631.6	621.7
57.5°	535.7	544.2	548.0	551.7	550.7	550.1	546.0	543.8	539.2	537.7	534.4
60°	471.2	475.7	476.6	478.3	476.9	476.3	473.1	471.9	468.8	468.3	466.0
62.5°	427.0	429.3	429.3	429.3	427.5	425.6	422.1	420.2	417.6	417.0	415.7
65°	390.2	392.5	392.9	393.4	392.0	390.7	387.5	385.4	382.7	381.6	380.1
67.5°	352.0	354.5	355.4	356.7	355.9	355.6	353.4	352.6	350.9	350.4	349.1
70°	322.1	323.2	323.1	323.1	321.4	319.8	317.4	316.2	314.2	313.8	312.7
72.5°	304.3	305.1	304.6	303.9	301.8	299.5	296.5	294.4	291.9	290.5	288.7
75°	279.3	280.2	279.7	279.3	277.3	275.8	273.5	272.3	270.5	270.0	268.8
77.5°	248.5	249.0	248.0	247.9	246.4	245.5	243.7	243.4	242.1	242.1	241.0
80°	214.3	214.0	212.5	212.1	210.6	210.2	208.8	208.9	207.9	208.3	207.6
82.5°	176.3	175.3	173.3	172.7	170.9	170.7	169.8	170.6	169.9	170.9	170.3
85°	126.4	126.6	125.7	125.7	125.2	125.3	125.3	125.8	125.9	126.8	126.7
87.5°	70.4	71.5	71.3	72.2	72.2	73.2	73.6	75.0	75.2	76.7	76.7
90°	73.3	71.7	68.1	66.5	64.6	64.6	63.1	63.1	61.3	61.1	58.9
92.5°	87.8	81.6	75.5	69.4	66.4	63.3	60.3	57.1	54.1	51.0	47.8
95°	111.1	100.8	90.4	80.1	76.5	73.0	69.4	65.9	62.5	58.9	55.4
97.5°	125.5	113.3	101.1	88.8	85.8	82.7	79.6	76.5	73.4	70.3	67.3
100°	172.4	149.6	126.7	103.9	101.4	98.7	96.2	93.6	91.0	88.3	85.8
102.5°	364.0	315.5	267.1	218.7	209.5	200.3	191.2	181.9	172.7	163.5	154.4
105°	694.0	615.4	536.9	458.3	433.4	408.4	383.6	358.6	333.7	308.7	283.9
107.5°	1057.8	978.1	898.5	818.7	772.7	726.6	680.4	634.4	588.3	542.2	496.1
110°	1261.0	1202.8	1144.6	1086.2	1049.2	1012.0	974.8	937.7	900.6	863.4	826.2



TEST NUMBER: P1444576
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL40

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1293.1	1251.1	1209.4	1167.5	1150.7	1133.7	1116.9	1100.1	1083.1	1066.2	1049.3
115°	1209.4	1181.0	1152.7	1124.2	1118.2	1112.1	1106.1	1100.1	1093.9	1087.8	1081.7
117.5°	1076.5	1060.3	1044.2	1028.2	1028.8	1029.6	1030.5	1031.3	1032.0	1032.7	1033.5
120°	938.8	931.6	924.4	917.3	922.2	927.0	931.9	936.6	941.3	946.0	950.7
122.5°	824.5	821.4	818.3	815.1	821.0	826.8	832.6	838.3	844.1	849.7	855.4
125°	733.8	731.8	729.9	728.0	733.8	739.7	745.5	751.1	756.9	762.6	768.2
127.5°	671.3	670.3	669.4	668.4	672.5	676.4	680.3	684.2	688.1	691.8	695.6
130°	625.9	624.5	623.2	621.8	625.3	628.8	632.3	635.6	639.2	642.4	645.7
132.5°	594.7	593.0	591.4	589.9	592.2	594.5	596.9	599.0	601.4	603.4	605.6
135°	567.8	565.8	564.0	562.2	564.2	566.4	568.5	570.5	572.5	574.3	576.4
137.5°	544.4	542.4	540.6	538.7	540.6	542.5	544.3	546.0	547.8	549.6	551.2
140°	523.7	521.5	519.4	517.3	518.8	520.5	522.1	523.7	525.2	526.6	528.1
142.5°	503.6	500.9	498.5	495.8	496.9	498.0	499.1	500.1	501.3	502.1	503.1
145°	489.1	486.1	483.3	480.4	481.2	482.0	483.0	483.8	484.6	485.2	486.0
147.5°	475.3	472.6	469.9	467.2	467.9	468.4	468.9	469.4	470.1	470.6	471.0
150°	462.1	459.3	456.7	453.8	454.4	455.0	455.4	456.0	456.5	457.0	457.3
152.5°	448.0	445.6	442.9	440.4	440.8	441.3	441.7	442.2	442.7	443.2	443.5
155°	437.6	435.4	433.4	431.2	431.7	432.2	432.6	433.0	433.4	433.9	434.2
157.5°	431.4	429.7	428.2	426.4	426.6	426.8	427.0	427.1	427.3	427.5	427.6
160°	426.0	424.6	423.2	421.7	421.8	422.1	422.2	422.3	422.5	422.5	422.6
162.5°	421.8	420.2	418.5	416.9	417.0	417.2	417.4	417.5	417.6	417.8	417.8
165°	419.8	418.6	417.5	416.2	416.2	416.1	416.1	415.9	415.8	415.7	415.5
167.5°	418.9	417.8	416.6	415.3	415.5	415.7	415.8	416.0	416.2	416.3	416.4
170°	419.3	418.3	417.4	416.4	416.3	416.3	416.2	416.1	416.0	415.9	415.8
172.5°	420.0	419.0	418.2	417.1	417.1	417.0	417.0	416.9	416.8	416.7	416.7
175°	417.7	417.0	416.2	415.5	415.4	415.4	415.4	415.3	415.2	415.2	415.1
177.5°	419.2	418.8	418.4	417.9	417.8	417.8	417.8	417.7	417.7	417.7	417.7
180°	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0



TEST NUMBER: P1444576
CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL40

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	10412.0	10412.0
2.5°	10452.3	10451.7
5°	10491.1	10490.5
7.5°	10520.7	10520.5
10°	10524.2	10526.0
12.5°	10503.2	10504.7
15°	10441.9	10444.8
17.5°	10324.6	10328.4
20°	10122.7	10126.6
22.5°	9795.6	9797.2
25°	9320.1	9313.4
27.5°	8671.8	8660.2
30°	7847.7	7836.4
32.5°	6865.1	6858.1
35°	5759.1	5754.7
37.5°	4594.6	4585.6
40°	3464.1	3437.8
42.5°	2472.6	2426.4
45°	1708.8	1654.1
47.5°	1192.9	1159.1
50°	904.2	893.3
52.5°	736.8	734.3
55°	621.7	620.5
57.5°	535.1	534.8
60°	467.2	467.1
62.5°	416.5	416.7
65°	380.8	380.9
67.5°	349.4	349.2
70°	313.2	312.9
72.5°	288.1	287.7
75°	268.8	268.6
77.5°	241.3	241.0
80°	208.0	207.6
82.5°	171.1	170.5
85°	127.7	127.7
87.5°	78.1	78.1
90°	58.6	56.4
92.5°	44.9	41.9
95°	51.9	48.3
97.5°	64.2	61.2
100°	83.1	80.5
102.5°	145.2	136.0
105°	258.9	234.0
107.5°	450.0	403.9
110°	789.1	751.9



TEST NUMBER: P1444576
CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL40

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	1032.3	1015.4
115°	1075.5	1069.4
117.5°	1034.1	1034.8
120°	955.4	960.1
122.5°	861.0	866.6
125°	773.8	779.4
127.5°	699.4	703.0
130°	648.8	652.1
132.5°	607.6	609.6
135°	578.2	579.9
137.5°	552.7	554.3
140°	529.3	530.7
142.5°	504.0	504.9
145°	486.7	487.3
147.5°	471.3	471.8
150°	457.7	458.1
152.5°	443.9	444.3
155°	434.5	434.9
157.5°	427.7	427.7
160°	422.7	422.8
162.5°	418.0	418.0
165°	415.3	415.2
167.5°	416.5	416.6
170°	415.7	415.6
172.5°	416.6	416.5
175°	415.1	415.1
177.5°	417.7	417.6
180°	420.0	420.0

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-4

Test Date: 07/31/2025

Luminaire Tested: EHBR-60-L850-N

Data in this report applies to families of products including EHBR-60-L850-N

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-4
 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-L850-N**
 Description: Elevate Round Highbay at, 60000 lumens, 5000K 80CRI LEDs with N lens

Spectral Parameters

CCT (K): 4875
 CIE u': 0.2124
 CIE v': 0.4871
 Duv: 0.0005
 CIE x: 0.3488
 CIE y: 0.3555
 CIE z: 0.2957
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 573
 Purity: 11.33556
 Rf: 80
 Rg: 102.3

CRI (Ra):	82.3		
R1:	85.0	R9:	43.9
R2:	83.1	R10:	57.4
R3:	78.8	R11:	83.1
R4:	84.0	R12:	51.0
R5:	83.0	R13:	83.4
R6:	76.3	R14:	87.4
R7:	86.8	R15:	83.4
R8:	81.7		



Test Conditions

Stabilization Time: 39M
 Operation Time: 1H 39M
 Sphere Temperature (°C): 25.0

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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

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CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 5000K 4-step quadrangle

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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	89	NR	620	280	NR	750	6	NR	880	0	NR
365	0	NR	495	121	NR	625	280	NR	755	5	NR	885	0	NR
370	0	NR	500	168	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	224	NR	635	626	NR	765	4	NR	895	0	NR
380	1	NR	510	275	NR	640	163	NR	770	4	NR	900	0	NR
385	2	NR	515	321	NR	645	160	NR	775	3	NR	905	0	NR
390	3	NR	520	354	NR	650	136	NR	780	3	NR	910	0	NR
395	5	NR	525	375	NR	655	111	NR	785	2	NR	915	0	NR
400	7	NR	530	388	NR	660	93	NR	790	2	NR	920	0	NR
405	10	NR	535	395	NR	665	76	NR	795	2	NR	925	0	NR
410	15	NR	540	397	NR	670	72	NR	800	2	NR	930	0	NR
415	28	NR	545	398	NR	675	57	NR	805	1	NR	935	0	NR
420	53	NR	550	396	NR	680	49	NR	810	1	NR	940	0	NR
425	97	NR	555	395	NR	685	42	NR	815	1	NR	945	0	NR
430	163	NR	560	392	NR	690	37	NR	820	1	NR	950	0	NR
435	261	NR	565	388	NR	695	32	NR	825	1	NR	955	0	NR
440	409	NR	570	381	NR	700	27	NR	830	1	NR	960	0	NR
445	637	NR	575	374	NR	705	23	NR	835	1	NR	965	0	NR
450	699	NR	580	365	NR	710	20	NR	840	1	NR	970	0	NR
455	436	NR	585	354	NR	715	17	NR	845	0	NR	975	0	NR
460	274	NR	590	342	NR	720	15	NR	850	0	NR	980	0	NR
465	205	NR	595	325	NR	725	13	NR	855	0	NR	985	0	NR
470	130	NR	600	313	NR	730	11	NR	860	0	NR	990	0	NR
475	90	NR	605	301	NR	735	10	NR	865	0	NR	995	0	NR
480	78	NR	610	323	NR	740	8	NR	870	0	NR	1000	0	NR
485	77	NR	615	340	NR	745	7	NR	875	0	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.82

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	89	NR	620	280	NR	750	6	NR	880	0	NR
365	0	NR	495	121	NR	625	280	NR	755	5	NR	885	0	NR
370	0	NR	500	168	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	224	NR	635	626	NR	765	4	NR	895	0	NR
380	1	NR	510	275	NR	640	163	NR	770	4	NR	900	0	NR
385	2	NR	515	321	NR	645	160	NR	775	3	NR	905	0	NR
390	3	NR	520	354	NR	650	136	NR	780	3	NR	910	0	NR
395	5	NR	525	375	NR	655	111	NR	785	2	NR	915	0	NR
400	7	NR	530	388	NR	660	93	NR	790	2	NR	920	0	NR
405	10	NR	535	395	NR	665	76	NR	795	2	NR	925	0	NR
410	15	NR	540	397	NR	670	72	NR	800	2	NR	930	0	NR
415	28	NR	545	398	NR	675	57	NR	805	1	NR	935	0	NR
420	53	NR	550	396	NR	680	49	NR	810	1	NR	940	0	NR
425	97	NR	555	395	NR	685	42	NR	815	1	NR	945	0	NR
430	163	NR	560	392	NR	690	37	NR	820	1	NR	950	0	NR
435	261	NR	565	388	NR	695	32	NR	825	1	NR	955	0	NR
440	409	NR	570	381	NR	700	27	NR	830	1	NR	960	0	NR
445	637	NR	575	374	NR	705	23	NR	835	1	NR	965	0	NR
450	699	NR	580	365	NR	710	20	NR	840	1	NR	970	0	NR
455	436	NR	585	354	NR	715	17	NR	845	0	NR	975	0	NR
460	274	NR	590	342	NR	720	15	NR	850	0	NR	980	0	NR
465	205	NR	595	325	NR	725	13	NR	855	0	NR	985	0	NR
470	130	NR	600	313	NR	730	11	NR	860	0	NR	990	0	NR
475	90	NR	605	301	NR	735	10	NR	865	0	NR	995	0	NR
480	78	NR	610	323	NR	740	8	NR	870	0	NR	1000	0	NR
485	77	NR	615	340	NR	745	7	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



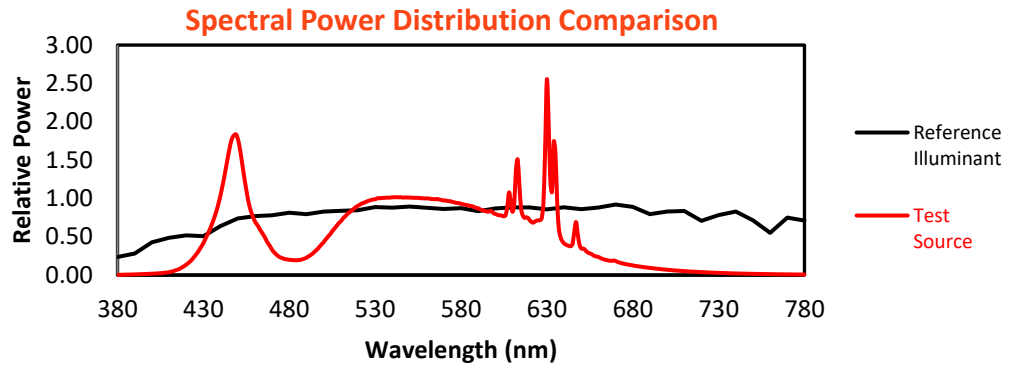
Melanopic Lumens: NR

M/P: 3.71

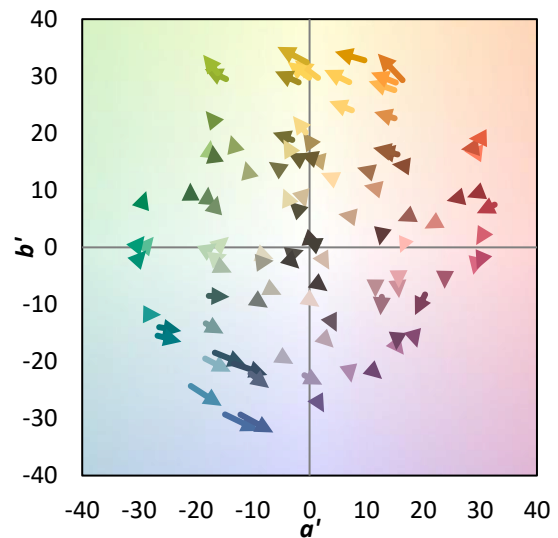
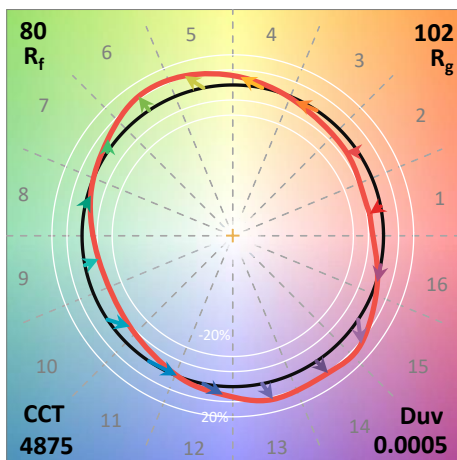
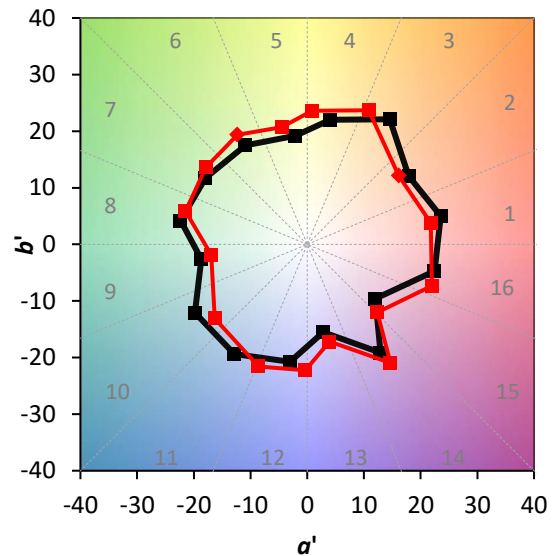
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	89	NR	620	280	NR	750	6	NR	880	0	NR
365	0	NR	495	121	NR	625	280	NR	755	5	NR	885	0	NR
370	0	NR	500	168	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	224	NR	635	626	NR	765	4	NR	895	0	NR
380	1	NR	510	275	NR	640	163	NR	770	4	NR	900	0	NR
385	2	NR	515	321	NR	645	160	NR	775	3	NR	905	0	NR
390	3	NR	520	354	NR	650	136	NR	780	3	NR	910	0	NR
395	5	NR	525	375	NR	655	111	NR	785	2	NR	915	0	NR
400	7	NR	530	388	NR	660	93	NR	790	2	NR	920	0	NR
405	10	NR	535	395	NR	665	76	NR	795	2	NR	925	0	NR
410	15	NR	540	397	NR	670	72	NR	800	2	NR	930	0	NR
415	28	NR	545	398	NR	675	57	NR	805	1	NR	935	0	NR
420	53	NR	550	396	NR	680	49	NR	810	1	NR	940	0	NR
425	97	NR	555	395	NR	685	42	NR	815	1	NR	945	0	NR
430	163	NR	560	392	NR	690	37	NR	820	1	NR	950	0	NR
435	261	NR	565	388	NR	695	32	NR	825	1	NR	955	0	NR
440	409	NR	570	381	NR	700	27	NR	830	1	NR	960	0	NR
445	637	NR	575	374	NR	705	23	NR	835	1	NR	965	0	NR
450	699	NR	580	365	NR	710	20	NR	840	1	NR	970	0	NR
455	436	NR	585	354	NR	715	17	NR	845	0	NR	975	0	NR
460	274	NR	590	342	NR	720	15	NR	850	0	NR	980	0	NR
465	205	NR	595	325	NR	725	13	NR	855	0	NR	985	0	NR
470	130	NR	600	313	NR	730	11	NR	860	0	NR	990	0	NR
475	90	NR	605	301	NR	735	10	NR	865	0	NR	995	0	NR
480	78	NR	610	323	NR	740	8	NR	870	0	NR	1000	0	NR
485	77	NR	615	340	NR	745	7	NR	875	0	NR			

Summary

$R_f = 80$
 $R_g = 102.3$
 $CIE R_a = 82.3$
 $R_9 = 43.9$

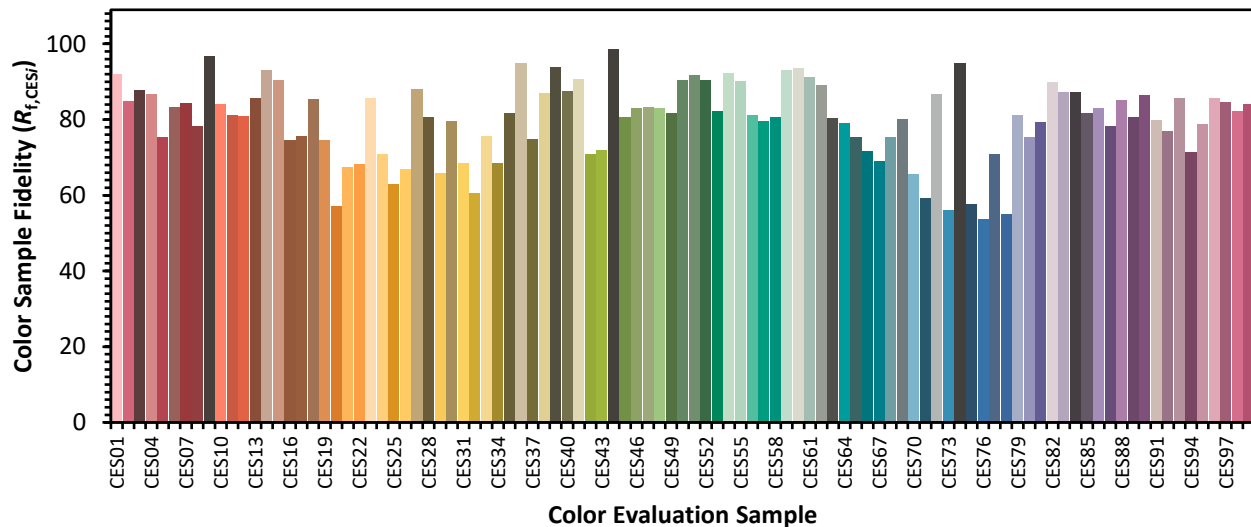


Color Vector Graphics

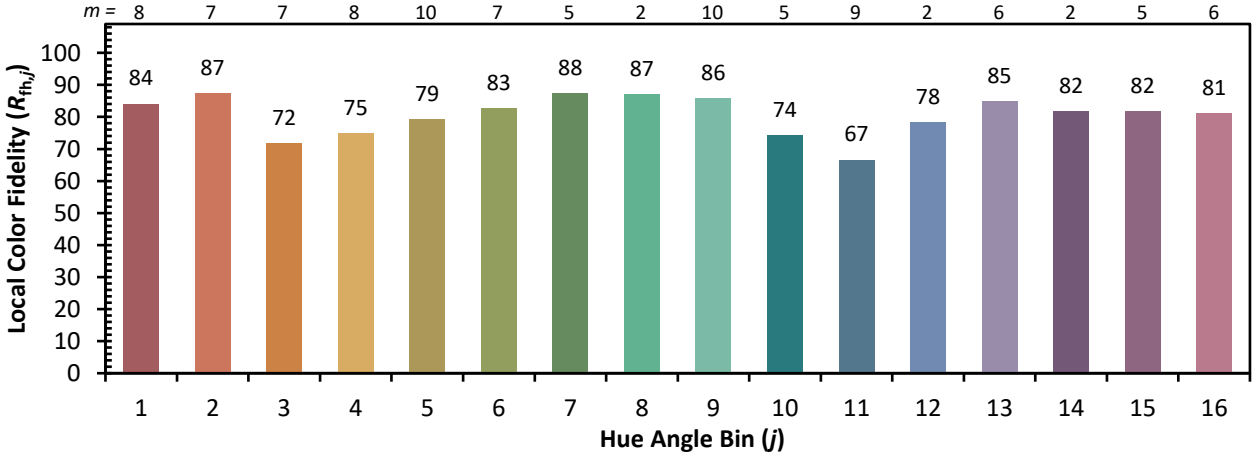


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 67	CES51 = 92	CES76 = 54
CES02 = 60	CES27 = 88	CES52 = 91	CES77 = 71
CES03 = 31	CES28 = 81	CES53 = 82	CES78 = 55
CES04 = 69	CES29 = 66	CES54 = 92	CES79 = 81
CES05 = 47	CES30 = 80	CES55 = 90	CES80 = 75
CES06 = 50	CES31 = 69	CES56 = 81	CES81 = 79
CES07 = 40	CES32 = 61	CES57 = 80	CES82 = 90
CES08 = 39	CES33 = 76	CES58 = 81	CES83 = 87
CES09 = 29	CES34 = 68	CES59 = 93	CES84 = 87
CES10 = 73	CES35 = 82	CES60 = 94	CES85 = 82
CES11 = 56	CES36 = 95	CES61 = 91	CES86 = 83
CES12 = 62	CES37 = 75	CES62 = 89	CES87 = 78
CES13 = 42	CES38 = 87	CES63 = 80	CES88 = 85
CES14 = 74	CES39 = 94	CES64 = 79	CES89 = 81
CES15 = 71	CES40 = 87	CES65 = 75	CES90 = 86
CES16 = 46	CES41 = 91	CES66 = 72	CES91 = 80
CES17 = 48	CES42 = 71	CES67 = 69	CES92 = 77
CES18 = 56	CES43 = 72	CES68 = 75	CES93 = 86
CES19 = 70	CES44 = 99	CES69 = 80	CES94 = 71
CES20 = 65	CES45 = 81	CES70 = 66	CES95 = 79
CES21 = 85	CES46 = 83	CES71 = 59	CES96 = 86
CES22 = 77	CES47 = 83	CES72 = 87	CES97 = 85
CES23 = 91	CES48 = 83	CES73 = 56	CES98 = 82
CES24 = 90	CES49 = 82	CES74 = 95	CES99 = 84
CES25 = 71	CES50 = 91	CES75 = 58	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)