

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: P1444573

Luminaire Tested: EHBR1-12-UNV-TA-L850-UPL24

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444573
REPORT IS A COMBINATION OF REPORTS P1444327 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-UPL24
Description: Elevate Round Highbay at, 12000 lumens, 5000K 80CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

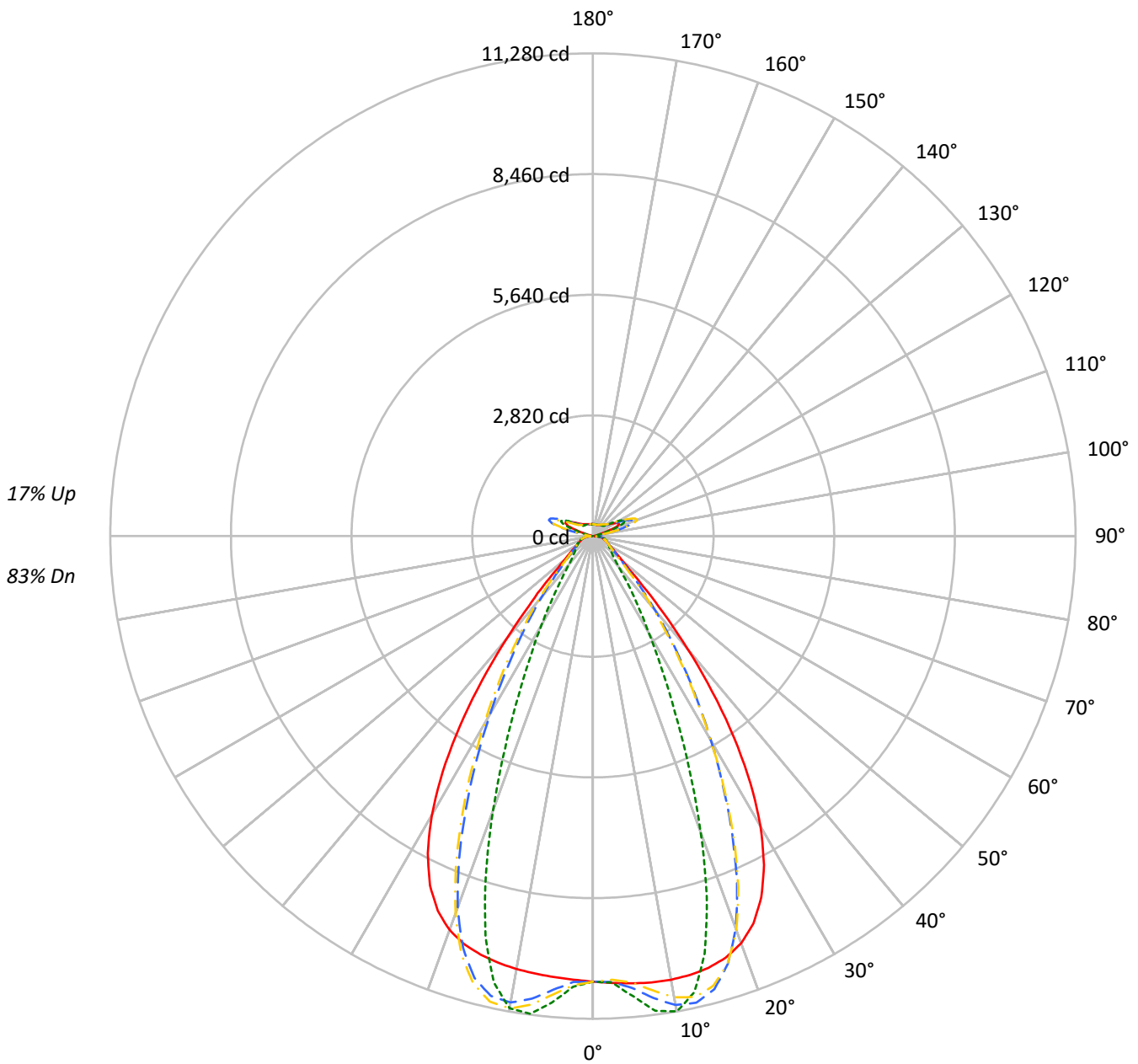
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14444.4 lumens
Efficiency: N/A
Efficacy: 177.9 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): 81.2
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	115	115	115	115	110	110	110	110	102	102	102	94	94	94	86	86	86	86	86	86	83
1	108	104	101	98	103	100	98	95	93	91	89	86	85	83	80	79	78	78	78	78	75
2	101	95	90	86	97	92	87	83	85	82	79	80	77	75	75	73	71	71	71	71	68
3	94	87	81	76	91	84	78	74	79	74	71	74	70	68	70	67	64	64	64	64	62
4	89	80	73	68	85	77	71	67	73	68	64	69	65	62	65	62	59	59	59	59	57
5	83	73	67	62	80	71	65	61	68	62	58	64	60	56	61	57	54	54	54	54	52
6	78	68	61	56	76	66	60	55	63	58	54	60	55	52	57	53	50	50	50	50	48
7	74	63	56	52	71	62	55	51	59	53	49	56	52	48	54	50	47	47	47	47	45
8	70	59	52	48	67	58	51	47	55	50	46	53	48	45	50	46	43	43	43	43	42
9	66	55	49	44	64	54	48	44	52	46	43	50	45	42	48	44	41	41	41	41	39
10	63	52	45	41	61	51	45	41	49	43	40	47	42	39	45	41	38	38	38	38	37

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	7.1
10°-20°	2886.6	20.0
20°-30°	3287.6	22.8
30°-40°	2363.0	16.4
40°-50°	1089.8	7.5
50°-60°	521.5	3.6
60°-70°	380.5	2.6
70°-80°	289.1	2.0
80°-90°	135.7	0.9
90°-100°	67.2	0.5
100°-110°	419.7	2.9
110°-120°	776.0	5.4
120°-130°	466.0	3.2
130°-140°	288.1	2.0
140°-150°	204.6	1.4
150°-160°	136.7	0.9
160°-170°	79.6	0.6
170°-180°	26.6	0.2
0°-30°	7200.3	49.8
0°-40°	9563.3	66.2
0°-60°	11174.6	77.4
0°-90°	11980.0	82.9
90°-120°	1262.8	8.7
90°-150°	2221.5	15.4
90°-180°	2464.0	17.1
0°-180°	14444.4	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°	46	55	22	24	46	27
95°	31	35	31	35	31	30
105°	148	194	98	194	148	197
115°	673	824	705	824	673	621
125°	494	530	561	531	494	450
135°	372	341	402	342	372	290
145°	316	317	338	318	316	200
155°	285	291	306	292	285	133
165°	275	278	286	279	275	78
175°	276	280	282	280	276	26
180°	280	280	280	280	280	



TEST NUMBER: P1444573
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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°	46.2	48.9	50.4	53.3	54.8	57.6	58.9	61.9	63.4	66.4	69.1
92.5°	27.0	29.0	30.7	32.8	34.7	36.9	38.9	41.0	42.8	45.0	48.9
95°	30.9	33.2	35.4	37.6	39.8	42.0	44.2	46.5	48.6	50.9	57.4
97.5°	39.1	41.1	42.9	44.9	46.8	48.7	50.6	52.6	54.4	56.4	64.0
100°	51.4	53.0	54.6	56.3	57.9	59.5	61.1	62.8	64.3	66.0	80.4
102.5°	86.2	92.0	97.7	103.5	109.3	115.0	120.8	126.6	132.3	138.1	168.4
105°	147.9	163.5	179.2	194.8	210.4	226.0	241.6	257.3	272.9	288.5	337.8
107.5°	254.7	283.5	312.5	341.3	370.3	399.2	428.2	457.1	485.9	514.8	564.8
110°	473.4	496.5	519.8	543.1	566.4	589.7	612.9	636.1	659.4	682.7	719.1



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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°	639.0	649.5	660.1	670.6	681.2	691.8	702.3	712.8	723.4	734.0	760.1
115°	673.4	677.1	680.8	684.5	688.4	692.1	695.8	699.6	703.3	706.9	724.7
117.5°	652.1	651.5	651.1	650.6	649.9	649.4	648.8	648.2	647.6	647.0	657.1
120°	605.9	602.8	599.8	596.6	593.6	590.3	587.3	584.2	581.0	577.8	582.3
122.5°	547.7	544.1	540.4	536.7	533.0	529.3	525.5	521.7	518.0	514.2	516.1
125°	493.9	490.2	486.5	482.8	479.0	475.1	471.4	467.6	463.7	459.9	461.1
127.5°	446.6	444.1	441.6	439.0	436.4	433.7	431.0	428.4	425.8	423.1	423.6
130°	415.4	413.1	410.9	408.6	406.3	403.8	401.5	399.1	396.7	394.3	395.1
132.5°	389.5	388.0	386.5	384.9	383.3	381.5	380.0	378.2	376.6	374.9	375.7
135°	371.6	370.2	368.8	367.4	365.9	364.4	362.9	361.3	359.8	358.1	359.2
137.5°	356.2	355.0	353.7	352.4	351.1	349.7	348.3	346.9	345.5	344.1	345.0
140°	342.1	341.0	339.9	338.7	337.5	336.3	335.1	333.8	332.5	331.2	332.4
142.5°	326.6	325.8	325.0	324.1	323.3	322.2	321.2	320.2	319.2	318.3	319.7
145°	316.1	315.4	314.8	314.0	313.3	312.5	311.8	310.9	310.1	309.3	310.9
147.5°	306.9	306.4	305.9	305.3	304.8	304.1	303.5	302.8	302.2	301.6	303.0
150°	298.7	298.2	297.8	297.2	296.6	296.1	295.5	294.9	294.3	293.6	295.2
152.5°	290.5	290.0	289.6	289.0	288.5	287.9	287.4	286.7	286.1	285.5	286.8
155°	285.0	284.5	284.0	283.5	283.0	282.4	281.8	281.3	280.7	280.1	281.3
157.5°	280.9	280.5	280.3	279.9	279.6	279.1	278.8	278.3	278.0	277.6	278.4
160°	278.4	278.1	277.7	277.4	276.9	276.6	276.2	275.8	275.4	275.1	275.8
162.5°	275.9	275.5	275.2	274.8	274.5	274.1	273.8	273.4	273.1	272.6	273.5
165°	274.7	274.5	274.4	274.2	274.0	273.8	273.6	273.4	273.2	273.0	273.5
167.5°	276.1	275.7	275.5	275.1	274.8	274.5	274.3	273.9	273.7	273.2	273.9
170°	275.9	275.7	275.6	275.5	275.3	275.2	275.1	274.9	274.7	274.6	275.1
172.5°	276.8	276.6	276.5	276.5	276.3	276.2	276.1	276.0	275.9	275.8	276.3
175°	276.2	276.0	276.0	275.9	275.8	275.8	275.7	275.6	275.6	275.5	275.8
177.5°	277.9	277.8	277.8	277.8	277.8	277.8	277.7	277.6	277.6	277.6	277.9
180°	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6



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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°	73.0	75.7	79.6	81.5	84.7	86.3	77.3	77.9	75.3	74.4	71.4
92.5°	52.8	56.7	60.6	64.5	68.5	72.4	75.0	78.6	74.6	70.3	66.4
95°	63.8	70.3	76.8	83.4	89.9	96.4	102.8	109.3	103.2	97.1	91.1
97.5°	71.7	79.4	87.0	94.8	102.5	110.1	117.8	125.4	119.0	112.4	105.9
100°	94.6	108.9	123.2	137.4	151.8	166.1	180.3	194.7	182.1	169.5	157.0
102.5°	198.8	229.2	259.5	289.9	320.2	350.6	381.0	411.4	382.6	353.7	324.9
105°	387.0	436.2	485.4	534.7	583.8	633.1	682.4	731.6	685.5	639.5	593.4
107.5°	614.7	664.6	714.5	764.4	814.4	864.3	914.4	964.4	919.5	874.5	829.7
110°	755.7	792.1	828.7	865.1	901.6	938.1	974.9	1011.4	984.4	957.5	930.5



TEST NUMBER: P1444573
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL24

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	786.2	812.4	838.6	864.7	890.7	916.9	943.5	969.6	956.2	942.8	929.3
115°	742.5	760.2	777.9	795.5	813.3	830.9	849.0	866.9	862.6	858.5	854.4
117.5°	667.1	677.1	687.1	697.1	706.9	717.0	727.5	737.6	738.6	739.6	740.5
120°	586.6	591.0	595.4	599.8	604.0	608.4	613.3	617.9	621.8	625.6	629.5
122.5°	517.9	519.7	521.5	523.4	525.1	526.9	529.4	531.5	534.3	537.1	540.0
125°	462.1	463.1	464.2	465.3	466.2	467.4	469.2	470.4	471.0	471.3	471.9
127.5°	424.0	424.5	424.8	425.4	425.7	426.2	427.5	428.2	427.0	425.8	424.5
130°	395.8	396.4	397.1	397.9	398.6	399.3	401.0	401.9	399.6	397.1	394.8
132.5°	376.6	377.5	378.3	379.2	379.9	380.8	382.7	383.8	381.1	378.2	375.4
135°	360.1	361.2	362.1	363.1	364.0	365.2	367.3	368.6	365.9	363.1	360.5
137.5°	346.0	346.9	348.0	349.0	350.0	351.0	353.3	354.6	352.5	350.4	348.3
140°	333.5	334.7	335.7	337.0	338.1	339.4	341.8	343.3	341.8	340.1	338.5
142.5°	321.1	322.6	324.1	325.7	327.2	328.7	331.6	333.4	332.3	331.1	330.0
145°	312.4	314.1	315.7	317.5	319.0	320.8	324.0	326.0	325.4	324.7	324.1
147.5°	304.5	306.0	307.5	309.0	310.6	312.3	315.4	317.4	317.0	316.7	316.3
150°	296.5	298.1	299.6	301.2	302.8	304.4	307.9	310.0	309.7	309.4	309.1
152.5°	288.3	289.6	291.0	292.4	293.9	295.4	299.3	301.3	301.0	300.6	300.4
155°	282.3	283.5	284.6	285.7	286.8	288.1	291.9	293.8	293.7	293.6	293.4
157.5°	279.2	280.0	280.7	281.7	282.5	283.5	287.2	288.9	288.8	288.6	288.5
160°	276.4	277.1	277.8	278.5	279.2	279.9	283.8	285.3	285.2	285.0	284.9
162.5°	274.3	275.2	275.9	276.8	277.7	278.6	282.5	284.2	283.9	283.7	283.4
165°	274.1	274.5	275.1	275.7	276.3	276.9	280.4	281.7	281.6	281.5	281.4
167.5°	274.4	275.0	275.5	276.1	276.7	277.4	280.6	282.0	281.9	281.8	281.7
170°	275.5	276.0	276.5	277.0	277.5	278.1	280.8	281.8	281.7	281.4	281.2
172.5°	276.8	277.4	277.9	278.4	278.9	279.5	281.8	282.9	282.7	282.5	282.2
175°	276.3	276.6	277.1	277.5	277.9	278.3	280.2	280.9	280.8	280.8	280.7
177.5°	278.2	278.4	278.7	279.0	279.3	279.6	280.7	281.2	281.2	281.2	281.1
180°	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6



TEST NUMBER: P1444573
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL24

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°	69.8	67.0	66.2	64.0	63.8	61.9	61.9	60.0	60.2	59.1	59.8
92.5°	62.1	58.0	53.7	49.7	45.5	41.6	39.5	37.6	35.7	33.9	31.8
95°	85.1	79.0	73.0	66.9	60.9	54.8	52.6	50.4	48.1	46.0	43.7
97.5°	99.4	92.8	86.3	79.8	73.3	66.8	65.3	63.8	62.4	60.9	59.4
100°	144.4	131.9	119.3	106.7	94.2	81.6	80.4	79.3	78.1	76.9	75.7
102.5°	296.2	267.4	238.6	209.8	181.0	152.2	147.1	142.1	137.1	132.1	127.1
105°	547.3	501.3	455.3	409.1	363.1	317.1	303.3	289.6	275.8	262.1	248.4
107.5°	784.7	739.9	695.0	650.1	605.2	560.3	538.6	516.9	495.2	473.5	451.7
110°	903.6	876.7	849.9	822.8	795.9	769.1	748.4	727.7	706.9	686.3	665.6



TEST NUMBER: P1444573
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL24

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	915.9	902.5	889.2	875.7	862.3	849.0	838.9	828.8	818.8	808.7	798.5
115°	850.3	846.0	841.9	837.8	833.8	829.5	828.9	828.3	827.6	827.0	826.3
117.5°	741.4	742.4	743.4	744.5	745.5	746.4	751.9	757.4	762.9	768.4	774.1
120°	633.4	637.3	641.2	645.2	649.0	652.9	660.3	667.7	675.1	682.5	690.1
122.5°	542.7	545.6	548.3	551.3	554.0	556.9	564.2	571.6	579.0	586.2	593.8
125°	472.2	472.7	473.1	473.5	473.9	474.3	480.5	486.5	492.7	498.9	505.1
127.5°	423.4	422.1	420.8	419.6	418.4	417.2	420.9	424.6	428.4	432.1	435.9
130°	392.3	390.0	387.4	385.1	382.6	380.2	381.9	383.5	385.2	386.8	388.5
132.5°	372.5	369.6	366.7	363.8	360.9	358.1	358.3	358.6	358.9	359.2	359.6
135°	357.7	355.0	352.2	349.5	346.7	344.1	343.6	343.1	342.7	342.2	341.8
137.5°	346.3	344.1	341.9	339.9	337.7	335.6	334.9	334.1	333.3	332.6	331.9
140°	336.8	335.3	333.5	331.9	330.1	328.7	328.0	327.4	326.7	326.2	325.6
142.5°	328.8	327.6	326.4	325.2	324.1	322.9	322.3	321.7	321.1	320.6	320.0
145°	323.4	322.7	321.9	321.3	320.5	319.9	319.3	319.0	318.6	318.3	317.9
147.5°	316.0	315.5	315.2	314.8	314.4	314.0	313.7	313.5	313.2	313.2	312.9
150°	308.6	308.3	307.9	307.6	307.3	307.0	306.8	306.8	306.7	306.8	306.6
152.5°	300.0	299.7	299.3	299.1	298.6	298.3	298.2	298.3	298.2	298.2	298.1
155°	293.2	293.1	292.9	292.7	292.5	292.3	292.2	292.0	291.8	291.6	291.4
157.5°	288.4	288.2	288.0	287.9	287.7	287.5	287.3	287.2	287.0	286.9	286.7
160°	284.7	284.6	284.4	284.3	284.1	284.0	283.6	283.3	283.0	282.7	282.3
162.5°	283.1	282.7	282.5	282.2	281.9	281.6	281.4	281.2	281.0	280.9	280.7
165°	281.2	281.1	280.9	280.7	280.6	280.5	280.2	279.9	279.7	279.3	279.0
167.5°	281.5	281.4	281.2	281.1	280.9	280.8	280.5	280.2	279.9	279.7	279.3
170°	280.9	280.6	280.4	280.1	279.9	279.6	279.3	279.1	278.7	278.5	278.1
172.5°	282.0	281.8	281.5	281.3	281.0	280.8	280.5	280.3	280.0	279.9	279.6
175°	280.6	280.6	280.6	280.4	280.4	280.3	280.2	280.2	280.1	280.1	280.0
177.5°	281.1	281.1	281.1	281.0	281.0	281.0	280.8	280.6	280.5	280.2	280.1
180°	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6



TEST NUMBER: P1444573
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL24

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°	58.3	58.4	56.2	55.4	55.3	56.8	55.8	56.4	54.4	54.6	52.9
92.5°	30.0	28.0	26.0	24.2	26.2	28.0	30.1	31.8	33.8	35.7	37.6
95°	41.6	39.3	37.1	34.9	36.6	38.4	40.2	41.9	43.7	45.5	47.2
97.5°	58.0	56.5	55.0	53.5	54.6	55.6	56.7	57.7	58.7	59.7	60.9
100°	74.6	73.4	72.2	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
102.5°	122.1	117.1	112.1	107.1	110.5	113.8	117.3	120.6	124.1	127.4	130.9
105°	234.7	220.9	207.3	193.5	206.8	220.0	233.4	246.7	259.9	273.3	286.6
107.5°	430.0	408.4	386.7	365.0	389.2	413.3	437.6	461.8	485.9	510.1	534.5
110°	645.0	624.3	603.6	583.0	608.6	634.4	660.0	685.6	711.4	737.0	762.7



TEST NUMBER: P1444573
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL24

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	788.5	778.5	768.4	758.4	774.9	791.4	808.0	824.6	841.1	857.7	874.3
115°	825.7	825.1	824.5	823.9	831.8	839.6	847.4	855.2	863.1	870.9	878.8
117.5°	779.6	785.2	790.8	796.4	799.0	801.4	804.0	806.5	809.1	811.6	814.2
120°	697.4	704.9	712.3	719.9	718.8	717.8	716.8	715.8	714.9	713.9	713.0
122.5°	601.2	608.6	616.1	623.6	621.5	619.2	617.1	614.8	612.8	610.6	608.6
125°	511.4	517.7	523.8	530.2	528.0	525.8	523.6	521.5	519.3	517.3	515.2
127.5°	439.8	443.8	447.6	451.6	450.5	449.5	448.5	447.6	446.6	445.8	444.9
130°	390.3	392.1	393.9	395.8	396.1	396.3	396.7	397.1	397.6	398.0	398.5
132.5°	360.1	360.5	361.0	361.5	362.7	363.8	365.1	366.4	367.8	369.0	370.5
135°	341.5	341.2	340.9	340.8	342.5	344.3	346.1	347.9	349.9	351.9	353.9
137.5°	331.2	330.6	330.0	329.6	331.3	333.1	335.0	336.7	338.7	340.7	342.7
140°	325.1	324.6	324.3	323.9	325.6	327.4	329.2	331.0	333.0	335.0	336.9
142.5°	319.5	319.0	318.7	318.3	319.8	321.5	323.2	324.8	326.6	328.4	330.1
145°	317.6	317.2	317.0	316.7	317.8	318.9	320.2	321.5	322.8	324.1	325.4
147.5°	312.8	312.6	312.5	312.4	313.2	314.1	315.0	315.9	317.0	318.0	319.0
150°	306.8	306.7	306.7	306.8	307.3	307.8	308.4	309.0	309.7	310.3	311.1
152.5°	298.2	298.1	298.3	298.3	298.8	299.4	300.0	300.5	301.2	301.8	302.4
155°	291.4	291.2	291.1	291.0	291.2	291.5	291.8	292.0	292.3	292.6	292.9
157.5°	286.6	286.4	286.4	286.2	286.3	286.3	286.5	286.5	286.7	286.7	286.9
160°	282.2	281.8	281.5	281.2	281.4	281.6	281.9	282.0	282.3	282.5	282.7
162.5°	280.6	280.4	280.3	280.1	280.1	279.9	279.9	279.8	279.7	279.6	279.6
165°	278.7	278.4	278.1	277.8	277.8	277.9	277.9	278.0	278.0	278.1	278.1
167.5°	279.1	278.7	278.5	278.1	278.0	277.6	277.5	277.1	277.0	276.7	276.6
170°	277.9	277.6	277.4	277.1	277.0	276.9	276.9	276.7	276.7	276.7	276.7
172.5°	279.4	279.1	278.9	278.6	278.5	278.5	278.4	278.4	278.3	278.3	278.3
175°	279.9	279.9	279.9	279.8	279.7	279.5	279.4	279.2	279.1	278.8	278.7
177.5°	279.9	279.8	279.6	279.5	279.5	279.5	279.5	279.5	279.5	279.4	279.4
180°	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6



TEST NUMBER: P1444573
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL24

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°	53.6	52.4	54.0	54.1	56.1	56.4	58.8	59.7	62.3	63.1	65.7
92.5°	39.5	41.4	44.9	48.5	52.0	55.5	59.1	62.8	66.2	69.8	73.3
95°	49.0	50.8	55.5	60.2	64.9	69.6	74.6	79.3	84.0	88.7	93.4
97.5°	61.9	63.0	67.7	72.4	77.1	81.8	86.5	91.4	96.1	100.8	105.5
100°	71.0	71.1	84.6	97.9	111.4	124.8	138.2	151.7	165.2	178.6	192.0
102.5°	134.3	137.7	171.6	205.6	239.5	273.4	307.5	341.3	375.2	409.3	443.2
105°	299.9	313.2	364.9	416.8	468.5	520.3	572.2	624.0	675.8	727.7	779.4
107.5°	558.6	582.8	629.6	676.4	723.2	770.0	817.0	863.7	910.6	957.3	1004.3
110°	788.5	814.1	845.4	876.8	908.1	939.5	970.8	1002.1	1033.5	1064.9	1096.3



TEST NUMBER: P1444573
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL24

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	890.8	907.4	925.6	943.9	962.0	980.3	998.6	1016.9	1035.1	1053.4	1071.8
115°	886.6	894.6	901.5	908.6	915.7	922.7	929.8	936.9	944.1	951.0	958.2
117.5°	816.8	819.4	820.4	821.5	822.5	823.5	824.6	825.7	826.8	828.0	828.9
120°	712.1	711.1	709.8	708.5	707.2	706.0	704.7	703.5	702.2	701.1	699.9
122.5°	606.5	604.5	603.1	601.9	600.7	599.5	598.2	597.0	595.9	594.7	593.5
125°	513.2	511.2	512.0	512.8	513.7	514.6	515.5	516.5	517.4	518.3	519.2
127.5°	444.1	443.3	445.8	448.3	450.9	453.3	456.0	458.5	461.1	463.6	466.2
130°	399.1	399.6	402.8	406.2	409.4	412.8	416.1	419.4	422.7	426.0	429.4
132.5°	371.9	373.5	376.5	379.7	382.9	386.0	389.3	392.4	395.6	398.8	401.9
135°	355.9	357.9	360.9	363.6	366.6	369.4	372.4	375.2	378.1	381.0	383.9
137.5°	344.7	346.7	349.1	351.3	353.5	355.9	358.1	360.4	362.7	364.9	367.2
140°	338.9	341.0	342.1	343.4	344.6	345.9	347.0	348.3	349.4	350.7	351.9
142.5°	332.0	333.9	334.6	335.3	336.0	336.8	337.6	338.3	339.0	339.7	340.5
145°	326.7	328.2	328.1	328.1	328.0	328.0	327.9	327.9	327.7	327.7	327.6
147.5°	320.0	321.1	320.7	320.6	320.3	320.0	319.7	319.5	319.1	318.9	318.7
150°	311.7	312.5	312.0	311.6	311.1	310.6	310.1	309.6	309.1	308.7	308.2
152.5°	303.0	303.7	303.1	302.6	302.1	301.7	301.1	300.6	300.1	299.5	299.1
155°	293.2	293.5	293.2	293.0	292.7	292.4	292.1	291.9	291.7	291.4	291.2
157.5°	286.9	287.1	286.9	286.8	286.5	286.5	286.3	286.2	286.1	286.1	286.0
160°	282.9	283.2	283.0	282.8	282.7	282.5	282.4	282.3	282.3	282.2	282.2
162.5°	279.5	279.4	279.3	279.1	279.0	278.8	278.8	278.7	278.6	278.5	278.5
165°	278.3	278.4	278.0	277.8	277.5	277.2	277.0	276.8	276.6	276.4	276.2
167.5°	276.3	276.2	276.2	276.3	276.3	276.3	276.4	276.5	276.6	276.7	276.8
170°	276.6	276.7	276.5	276.4	276.3	276.1	276.0	275.9	275.9	275.7	275.7
172.5°	278.3	278.3	278.0	277.7	277.4	277.1	276.8	276.6	276.3	276.0	275.7
175°	278.5	278.4	278.2	278.1	277.9	277.7	277.5	277.4	277.2	277.1	276.9
177.5°	279.4	279.3	279.2	279.2	279.2	279.2	279.2	279.1	279.1	279.1	279.0
180°	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6



TEST NUMBER: P1444573
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL24

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°	61.6	59.2	55.1	52.8	48.7	45.8	41.5	38.7	34.6	33.5	31.2
92.5°	69.3	65.3	61.4	57.4	53.4	49.5	45.5	41.6	37.5	36.0	34.9
95°	87.6	81.9	76.1	70.3	64.6	58.8	53.0	47.3	41.6	40.4	39.2
97.5°	98.7	91.9	85.2	78.4	71.6	64.8	58.2	51.4	44.6	43.8	43.1
100°	176.4	160.9	145.2	129.6	113.9	98.3	82.7	67.1	51.5	50.6	49.7
102.5°	405.3	367.5	329.6	291.6	253.9	216.0	178.1	140.2	102.4	96.9	91.5
105°	722.2	664.8	607.4	550.2	492.8	435.4	378.1	320.7	263.4	245.0	226.6
107.5°	950.3	896.4	842.5	788.6	734.6	680.7	626.8	572.9	518.8	486.5	454.0
110°	1053.4	1010.6	967.8	925.0	882.2	839.4	796.4	753.6	710.8	682.8	654.9



TEST NUMBER: P1444573
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL24

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	1040.3	1008.8	977.5	945.9	914.6	883.0	851.6	820.1	788.7	771.7	754.7
115°	939.3	920.3	901.2	882.2	863.2	844.2	825.1	806.1	787.0	778.0	768.9
117.5°	819.2	809.4	799.6	789.8	779.8	770.0	760.2	750.3	740.4	737.2	734.0
120°	696.7	693.6	690.3	687.3	684.1	680.9	677.7	674.5	671.3	671.5	671.7
122.5°	594.4	595.3	596.1	596.9	597.8	598.6	599.5	600.3	601.1	603.2	605.4
125°	521.8	524.2	526.8	529.3	531.7	534.2	536.7	539.1	541.6	543.7	546.0
127.5°	469.1	471.9	474.8	477.5	480.4	483.2	486.0	488.7	491.5	493.4	495.5
130°	431.8	434.2	436.5	438.9	441.3	443.7	446.1	448.4	450.8	452.2	453.5
132.5°	404.0	406.2	408.3	410.3	412.5	414.5	416.7	418.7	420.9	421.8	422.8
135°	385.4	386.8	388.4	389.9	391.4	392.8	394.4	396.0	397.4	397.9	398.5
137.5°	368.5	369.5	370.8	372.0	373.2	374.3	375.6	376.8	378.1	378.1	378.3
140°	353.2	354.5	355.8	357.1	358.4	359.7	361.2	362.5	363.9	364.0	364.1
142.5°	341.3	342.3	343.3	344.3	345.4	346.4	347.3	348.5	349.5	349.6	349.7
145°	328.9	330.0	331.3	332.5	333.9	335.1	336.5	337.8	339.3	339.1	339.1
147.5°	319.6	320.7	321.8	322.9	324.1	325.1	326.3	327.5	328.8	328.7	328.6
150°	309.5	310.6	311.8	313.0	314.2	315.5	316.8	318.1	319.5	319.6	319.8
152.5°	300.4	301.7	302.9	304.3	305.7	307.2	308.6	310.0	311.5	311.7	311.9
155°	292.5	293.8	295.2	296.5	297.9	299.3	300.8	302.1	303.6	303.9	304.2
157.5°	287.2	288.3	289.6	290.8	292.0	293.2	294.6	295.8	297.0	297.3	297.5
160°	283.3	284.3	285.4	286.4	287.5	288.6	289.7	290.8	291.8	292.1	292.3
162.5°	279.6	280.6	281.7	282.7	283.8	284.9	285.9	287.0	288.1	288.3	288.6
165°	277.0	277.7	278.5	279.2	279.9	280.7	281.5	282.2	283.1	283.4	283.7
167.5°	277.4	277.9	278.5	279.1	279.7	280.2	280.8	281.4	282.0	282.4	282.6
170°	276.2	276.8	277.2	277.9	278.4	279.0	279.5	280.0	280.6	280.9	281.2
172.5°	276.1	276.4	276.8	277.2	277.5	277.9	278.3	278.7	279.1	279.5	279.8
175°	277.1	277.2	277.5	277.6	277.8	278.0	278.2	278.4	278.7	279.0	279.3
177.5°	279.1	279.3	279.4	279.6	279.8	279.9	280.1	280.3	280.4	280.9	281.3
180°	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6



TEST NUMBER: P1444573
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL24

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°	30.3	28.2	27.2	25.1	24.2	22.5	21.6	22.3	23.3	24.1	25.0
92.5°	33.5	32.2	30.8	29.6	28.2	26.9	25.5	26.9	28.2	29.6	30.8
95°	38.0	36.8	35.7	34.5	33.3	32.1	30.9	32.1	33.3	34.6	35.8
97.5°	42.3	41.6	40.9	40.2	39.4	38.7	37.9	38.7	39.4	40.2	40.9
100°	48.8	47.9	47.1	46.2	45.3	44.4	43.5	44.5	45.4	46.3	47.1
102.5°	85.9	80.5	75.0	69.6	64.1	58.7	53.2	58.7	64.1	69.7	75.1
105°	208.1	189.7	171.3	152.8	134.4	116.0	97.5	116.1	134.5	152.9	171.4
107.5°	421.6	389.3	356.8	324.3	291.9	259.4	227.0	259.5	292.0	324.4	356.9
110°	626.9	598.9	570.8	542.9	514.9	486.8	458.8	486.8	514.9	542.9	570.9



TEST NUMBER: P1444573
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL24

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	737.5	720.5	703.4	686.4	669.2	652.2	635.1	652.2	669.3	686.6	703.6
115°	759.9	750.9	741.7	732.7	723.5	714.5	705.4	714.6	723.7	732.9	742.0
117.5°	730.6	727.4	724.1	720.9	717.6	714.3	710.9	714.4	717.8	721.2	724.5
120°	671.8	672.0	672.2	672.3	672.5	672.6	672.7	672.7	672.7	672.7	672.7
122.5°	607.5	609.6	611.7	613.7	615.9	618.0	619.9	618.0	616.2	614.3	612.4
125°	548.0	550.4	552.4	554.6	556.6	558.8	560.7	559.0	557.1	555.2	553.1
127.5°	497.2	499.2	501.0	503.0	504.7	506.6	508.2	506.8	505.1	503.5	501.8
130°	454.9	456.3	457.5	458.9	460.2	461.4	462.6	461.6	460.6	459.6	458.4
132.5°	423.7	424.6	425.5	426.4	427.2	428.1	428.8	428.3	427.7	427.1	426.4
135°	399.0	399.5	400.0	400.5	400.9	401.3	401.5	401.6	401.4	401.3	401.0
137.5°	378.4	378.5	378.5	378.5	378.5	378.4	378.3	378.7	379.0	379.4	379.6
140°	364.1	364.3	364.2	364.2	364.3	364.2	364.0	364.5	364.8	365.1	365.3
142.5°	349.8	349.9	350.0	350.0	350.0	349.9	349.8	350.2	350.5	350.8	351.0
145°	339.0	339.0	338.8	338.8	338.5	338.3	337.9	338.6	339.0	339.5	339.9
147.5°	328.5	328.4	328.3	328.1	327.9	327.7	327.4	327.9	328.4	328.8	329.3
150°	320.0	320.2	320.3	320.5	320.5	320.6	320.5	320.8	321.0	321.2	321.3
152.5°	312.0	312.1	312.3	312.3	312.5	312.4	312.4	312.7	313.0	313.2	313.3
155°	304.4	304.7	304.9	305.1	305.3	305.5	305.7	305.8	305.9	306.0	306.1
157.5°	297.7	298.0	298.2	298.4	298.6	298.8	299.0	299.2	299.3	299.5	299.5
160°	292.5	292.8	292.9	293.2	293.4	293.6	293.7	293.9	294.1	294.2	294.3
162.5°	288.8	289.0	289.1	289.4	289.5	289.7	289.9	290.1	290.3	290.4	290.5
165°	284.1	284.4	284.8	285.1	285.5	285.7	286.0	286.0	286.0	286.0	286.0
167.5°	283.0	283.3	283.6	283.9	284.2	284.5	284.8	284.8	284.8	284.7	284.8
170°	281.5	281.7	282.1	282.3	282.7	282.9	283.2	283.1	283.1	283.1	283.1
172.5°	280.1	280.6	281.0	281.4	281.8	282.2	282.6	282.5	282.2	282.0	281.7
175°	279.7	280.0	280.3	280.7	281.0	281.4	281.8	281.5	281.4	281.1	280.9
177.5°	281.9	282.4	282.9	283.3	283.8	284.2	284.8	284.3	283.9	283.5	283.1
180°	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6



TEST NUMBER: P1444573
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL24

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°	25.9	26.9	27.7	28.8	29.9	32.4	35.0	37.5	40.3	42.9	45.6
92.5°	32.2	33.5	34.9	36.1	37.5	41.6	45.5	49.5	53.5	57.5	61.4
95°	36.9	38.1	39.3	40.6	41.7	47.5	53.2	59.0	64.8	70.5	76.3
97.5°	41.7	42.4	43.2	43.9	44.7	51.5	58.2	65.0	71.8	78.6	85.4
100°	48.0	48.9	49.8	50.8	51.7	67.3	82.9	98.6	114.2	129.8	145.4
102.5°	80.6	86.0	91.5	97.0	102.5	140.5	178.4	216.3	254.1	291.9	329.8
105°	189.8	208.2	226.8	245.2	263.6	321.0	378.4	435.8	493.1	550.5	607.8
107.5°	389.4	421.8	454.3	486.8	519.2	573.3	627.1	681.1	735.1	789.0	842.9
110°	599.1	627.0	655.1	683.2	711.2	754.0	796.9	839.8	882.7	925.6	968.4



TEST NUMBER: P1444573
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL24

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	720.8	737.8	755.0	772.1	789.2	820.6	852.2	883.7	915.3	946.6	978.2
115°	751.2	760.3	769.4	778.5	787.6	806.7	825.8	845.0	864.0	883.0	902.1
117.5°	727.9	731.2	734.5	737.8	741.1	751.1	761.0	770.9	780.8	790.8	800.7
120°	672.7	672.6	672.5	672.3	672.2	675.4	678.8	682.0	685.1	688.5	691.6
122.5°	610.3	608.3	606.3	604.2	602.1	601.4	600.6	599.8	599.1	598.2	597.4
125°	551.2	549.1	547.0	545.0	542.9	540.4	538.1	535.5	533.2	530.7	528.3
127.5°	500.2	498.3	496.6	494.8	493.0	490.2	487.5	484.7	482.0	479.2	476.4
130°	457.3	456.2	455.0	453.6	452.4	450.0	447.7	445.4	443.0	440.7	438.4
132.5°	425.8	425.0	424.2	423.4	422.6	420.5	418.5	416.4	414.3	412.3	410.3
135°	400.8	400.4	400.1	399.7	399.3	397.8	396.3	394.9	393.5	392.0	390.6
137.5°	379.7	379.8	379.9	379.9	380.0	378.9	377.7	376.5	375.4	374.2	373.1
140°	365.6	365.7	365.9	365.9	366.0	364.6	363.4	362.1	360.9	359.5	358.2
142.5°	351.2	351.4	351.5	351.6	351.7	350.7	349.7	348.8	347.8	346.8	345.9
145°	340.2	340.5	340.9	340.9	341.3	340.1	338.9	337.6	336.5	335.2	334.1
147.5°	329.7	329.9	330.2	330.6	330.9	329.8	328.9	327.8	326.8	325.7	324.8
150°	321.5	321.5	321.7	321.7	321.8	320.6	319.5	318.4	317.4	316.1	315.1
152.5°	313.4	313.6	313.7	313.8	313.9	312.8	311.5	310.3	309.0	307.7	306.6
155°	306.2	306.2	306.2	306.2	306.2	305.0	303.8	302.6	301.5	300.3	299.1
157.5°	299.6	299.7	299.8	299.8	299.9	298.8	297.8	296.7	295.8	294.6	293.6
160°	294.4	294.5	294.6	294.7	294.7	293.8	293.0	292.0	291.2	290.3	289.4
162.5°	290.6	290.8	290.8	290.9	291.0	290.1	289.2	288.3	287.4	286.5	285.6
165°	285.9	285.9	285.8	285.7	285.6	285.1	284.6	284.0	283.4	282.7	282.1
167.5°	284.7	284.6	284.5	284.5	284.4	284.0	283.6	283.1	282.6	282.2	281.7
170°	283.0	282.9	282.8	282.8	282.6	282.2	281.8	281.4	281.0	280.5	280.0
172.5°	281.6	281.3	281.1	280.9	280.6	280.3	280.0	279.8	279.6	279.3	279.0
175°	280.6	280.4	280.1	279.9	279.7	279.6	279.5	279.3	279.2	279.0	278.9
177.5°	282.6	282.3	281.8	281.4	281.0	280.9	280.7	280.6	280.5	280.4	280.2
180°	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6



TEST NUMBER: P1444573
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL24

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°	48.2	53.9	56.5	54.4	51.5	49.3	46.4	44.3	41.5	39.5	36.7
92.5°	65.4	69.3	73.4	69.8	66.3	62.8	59.2	55.6	52.1	48.5	45.0
95°	82.1	87.7	93.5	88.8	84.0	79.3	74.6	69.7	65.0	60.3	55.6
97.5°	92.1	98.8	105.6	100.9	96.2	91.4	86.6	81.9	77.2	72.5	67.8
100°	161.1	176.6	192.1	178.7	165.3	151.9	138.4	124.9	111.5	98.0	84.7
102.5°	367.7	405.5	443.3	409.4	375.4	341.4	307.6	273.6	239.7	205.7	171.7
105°	665.2	722.4	779.6	727.8	676.0	624.1	572.4	520.4	468.6	416.8	365.0
107.5°	896.9	950.6	1004.4	957.5	910.8	863.9	817.1	770.2	723.3	676.5	629.7
110°	1011.3	1053.8	1096.5	1065.1	1033.7	1002.3	971.0	939.5	908.2	877.0	845.5



TEST NUMBER: P1444573
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL24

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	1009.6	1040.7	1072.0	1053.6	1035.3	1017.1	998.8	980.5	962.2	944.1	925.8
115°	921.2	939.6	958.5	951.3	944.3	937.1	930.0	922.9	915.9	908.8	901.8
117.5°	810.5	819.7	829.4	828.3	827.2	826.0	824.9	823.8	822.8	821.7	820.7
120°	694.9	697.3	700.4	701.4	702.7	703.9	705.2	706.4	707.6	708.8	710.1
122.5°	596.6	595.1	594.0	595.2	596.3	597.4	598.7	599.9	601.2	602.3	603.6
125°	525.8	522.5	519.7	518.8	518.0	517.0	516.1	515.1	514.2	513.3	512.5
127.5°	473.7	470.0	466.9	464.3	461.8	459.1	456.7	454.0	451.6	448.9	446.4
130°	436.0	432.7	430.1	426.8	423.6	420.1	416.9	413.5	410.2	407.0	403.6
132.5°	408.2	405.1	402.8	399.6	396.5	393.3	390.2	386.9	383.9	380.5	377.5
135°	389.1	386.5	384.8	381.8	379.2	376.2	373.4	370.4	367.7	364.7	362.0
137.5°	371.9	369.5	368.2	365.9	363.7	361.4	359.3	357.0	354.8	352.3	350.3
140°	357.0	354.4	352.8	351.8	350.6	349.4	348.2	347.0	345.9	344.7	343.5
142.5°	345.0	342.6	341.4	340.8	340.2	339.4	338.9	338.1	337.4	336.6	336.0
145°	332.8	330.1	328.7	328.7	328.9	329.0	329.1	329.2	329.3	329.4	329.5
147.5°	323.8	321.1	319.7	320.1	320.4	320.7	321.0	321.3	321.6	321.9	322.2
150°	313.8	310.9	309.2	309.7	310.2	310.7	311.3	311.8	312.3	312.8	313.2
152.5°	305.3	301.8	299.9	300.4	301.0	301.5	302.1	302.5	303.1	303.7	304.3
155°	297.8	294.0	292.1	292.3	292.5	292.8	293.0	293.3	293.6	293.9	294.3
157.5°	292.4	288.7	286.9	286.9	287.0	287.1	287.2	287.4	287.5	287.7	287.9
160°	288.5	284.8	283.1	283.0	283.2	283.2	283.3	283.4	283.6	283.7	283.9
162.5°	284.7	281.0	279.4	279.4	279.5	279.5	279.7	279.6	279.8	279.9	280.0
165°	281.4	278.4	277.1	277.2	277.4	277.6	277.8	278.1	278.3	278.6	278.9
167.5°	281.3	278.6	277.6	277.5	277.3	277.2	277.2	277.1	277.1	277.0	277.0
170°	279.6	277.4	276.5	276.5	276.7	276.7	276.8	276.9	277.0	277.1	277.3
172.5°	278.6	277.0	276.4	276.6	276.9	277.2	277.5	277.7	278.0	278.3	278.6
175°	278.7	277.8	277.5	277.6	277.7	277.9	278.0	278.2	278.3	278.5	278.7
177.5°	280.1	279.8	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.7	279.7
180°	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6



TEST NUMBER: P1444573
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL24

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°	34.9	33.2	32.3	30.5	30.0	28.1	27.7	26.0	25.8	23.9	26.6
92.5°	41.5	39.6	37.6	35.8	33.8	31.9	30.0	28.1	26.1	24.3	26.1
95°	50.9	49.1	47.3	45.6	43.8	42.0	40.3	38.5	36.7	35.0	37.2
97.5°	63.1	62.0	61.0	59.9	58.9	57.9	56.9	55.8	54.8	53.7	55.2
100°	71.2	71.2	71.2	71.2	71.1	71.1	71.1	71.1	71.1	71.1	72.3
102.5°	137.8	134.4	131.0	127.5	124.2	120.7	117.4	113.9	110.6	107.2	112.2
105°	313.2	300.0	286.7	273.4	260.0	246.7	233.5	220.1	206.9	193.6	207.4
107.5°	583.0	558.7	534.6	510.3	486.0	461.9	437.7	413.4	389.3	365.1	386.8
110°	814.2	788.6	762.8	737.2	711.5	685.7	660.1	634.5	608.7	583.1	603.7



TEST NUMBER: P1444573
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL24

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	907.5	890.9	874.4	857.7	841.2	824.7	808.2	791.6	775.1	758.6	768.6
115°	894.7	886.8	878.9	871.1	863.2	855.4	847.5	839.7	831.9	824.0	824.6
117.5°	819.6	817.0	814.4	811.8	809.3	806.6	804.2	801.6	799.1	796.6	791.0
120°	711.5	712.3	713.1	714.2	715.1	716.2	717.0	718.0	719.0	720.1	712.5
122.5°	604.8	606.8	608.9	611.0	613.0	615.2	617.4	619.5	621.8	623.9	616.4
125°	511.6	513.6	515.6	517.8	519.7	521.9	524.0	526.3	528.4	530.7	524.3
127.5°	443.9	444.8	445.5	446.3	447.1	448.2	449.1	450.1	451.1	452.2	448.2
130°	400.4	399.8	399.3	398.8	398.2	397.9	397.5	397.1	396.8	396.5	394.7
132.5°	374.2	372.8	371.4	369.9	368.6	367.3	366.0	364.8	363.5	362.5	361.9
135°	359.0	357.0	354.9	352.9	350.9	349.1	347.1	345.4	343.6	341.8	342.0
137.5°	347.9	346.0	343.9	341.9	339.9	338.0	336.1	334.3	332.5	330.8	331.3
140°	342.3	340.3	338.2	336.2	334.4	332.4	330.5	328.8	326.9	325.3	325.6
142.5°	335.3	333.5	331.5	329.8	328.0	326.3	324.5	323.0	321.3	319.8	320.2
145°	329.6	328.2	326.8	325.4	324.2	323.0	321.6	320.5	319.3	318.3	318.5
147.5°	322.5	321.5	320.4	319.4	318.5	317.5	316.5	315.6	314.7	313.9	314.0
150°	313.7	313.2	312.4	311.8	311.1	310.5	309.9	309.3	308.7	308.2	308.1
152.5°	304.8	304.2	303.5	302.9	302.3	301.8	301.2	300.7	300.2	299.6	299.6
155°	294.6	294.3	294.0	293.7	293.4	293.2	292.9	292.8	292.5	292.3	292.3
157.5°	288.1	287.9	287.8	287.8	287.7	287.6	287.5	287.5	287.4	287.4	287.5
160°	284.1	283.9	283.6	283.5	283.2	283.0	282.8	282.7	282.5	282.3	282.6
162.5°	280.1	280.3	280.3	280.4	280.5	280.6	280.7	280.8	280.9	281.1	281.2
165°	279.2	279.1	279.0	278.9	278.8	278.8	278.7	278.7	278.6	278.7	278.9
167.5°	277.0	277.1	277.3	277.4	277.6	277.8	278.1	278.3	278.5	278.8	279.1
170°	277.3	277.3	277.3	277.3	277.3	277.4	277.4	277.4	277.5	277.6	277.8
172.5°	278.9	278.9	278.8	278.9	278.8	278.9	278.9	278.9	278.9	279.0	279.2
175°	278.8	279.0	279.2	279.3	279.5	279.6	279.8	279.9	280.0	280.1	280.1
177.5°	279.7	279.7	279.7	279.7	279.7	279.8	279.8	279.8	279.8	279.7	279.8
180°	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6



TEST NUMBER: P1444573
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL24

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°	27.3	29.8	30.6	33.0	34.0	36.5	37.6	40.1	41.4	44.1	45.6
92.5°	28.1	30.0	31.9	33.8	35.8	37.6	39.6	41.5	45.6	49.6	53.8
95°	39.4	41.6	43.8	46.1	48.2	50.5	52.7	54.9	61.0	67.0	73.1
97.5°	56.7	58.2	59.6	61.1	62.6	64.0	65.5	67.0	73.5	80.0	86.4
100°	73.5	74.7	75.8	77.0	78.2	79.4	80.5	81.7	94.4	106.9	119.4
102.5°	117.2	122.2	127.2	132.2	137.3	142.3	147.3	152.4	181.1	209.9	238.7
105°	221.0	234.8	248.6	262.3	276.0	289.8	303.4	317.2	363.2	409.2	455.4
107.5°	408.5	430.1	451.8	473.7	495.4	517.0	538.7	560.5	605.3	650.3	695.1
110°	624.4	645.1	665.7	686.5	707.1	727.8	748.5	769.2	796.1	823.0	850.0



TEST NUMBER: P1444573
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL24

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	778.7	788.7	798.7	808.9	818.9	829.0	839.1	849.2	862.5	875.9	889.4
115°	825.3	825.9	826.5	827.2	827.8	828.5	829.1	829.8	834.1	838.1	842.3
117.5°	785.4	779.9	774.3	768.7	763.2	757.7	752.2	746.8	745.7	744.8	743.8
120°	705.3	697.7	690.3	682.8	675.5	668.0	660.8	653.4	649.5	645.6	641.7
122.5°	609.0	601.4	594.2	586.7	579.3	572.0	564.8	557.4	554.6	551.7	549.0
125°	518.1	511.9	505.7	499.4	493.4	487.2	481.2	475.1	474.6	474.1	473.8
127.5°	444.4	440.5	436.7	432.9	429.2	425.4	421.8	418.1	419.3	420.5	421.8
130°	392.9	391.0	389.5	387.6	386.1	384.5	382.9	381.2	383.7	386.0	388.6
132.5°	361.5	361.1	360.7	360.3	360.0	359.8	359.5	359.3	362.2	365.0	367.9
135°	342.3	342.6	343.1	343.4	344.0	344.3	344.9	345.3	348.1	350.8	353.5
137.5°	332.0	332.5	333.3	333.9	334.7	335.3	336.2	336.9	339.1	341.1	343.3
140°	326.1	326.5	327.1	327.6	328.2	328.8	329.5	329.9	331.6	333.3	334.9
142.5°	320.6	321.0	321.6	322.1	322.7	323.2	323.8	324.3	325.5	326.6	327.9
145°	318.7	319.0	319.3	319.7	320.0	320.5	320.8	321.3	322.0	322.6	323.3
147.5°	314.1	314.2	314.4	314.6	314.9	315.1	315.3	315.5	315.9	316.2	316.7
150°	308.1	308.1	308.1	308.1	308.1	308.2	308.3	308.3	308.6	309.0	309.3
152.5°	299.6	299.6	299.5	299.5	299.5	299.6	299.5	299.6	299.9	300.3	300.6
155°	292.5	292.6	292.8	292.9	293.1	293.2	293.4	293.5	293.7	293.8	294.0
157.5°	287.6	287.7	287.9	288.0	288.2	288.3	288.4	288.6	288.8	288.9	289.0
160°	282.8	283.2	283.4	283.8	284.0	284.3	284.6	284.9	285.1	285.2	285.4
162.5°	281.4	281.5	281.7	281.8	281.9	282.1	282.2	282.4	282.8	283.0	283.3
165°	279.2	279.5	279.9	279.9	280.3	280.6	280.9	281.2	281.3	281.4	281.6
167.5°	279.3	279.6	279.9	280.1	280.4	280.7	281.0	281.3	281.4	281.5	281.7
170°	278.1	278.4	278.6	278.9	279.1	279.4	279.7	279.9	280.1	280.4	280.6
172.5°	279.4	279.6	279.8	279.9	280.1	280.4	280.6	280.9	281.1	281.4	281.5
175°	280.1	280.1	280.1	280.2	280.2	280.2	280.2	280.3	280.4	280.4	280.4
177.5°	279.9	280.0	280.2	280.3	280.5	280.6	280.8	280.9	280.9	280.9	280.9
180°	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6



TEST NUMBER: P1444573
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL24

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°	48.7	50.4	53.5	55.3	58.9	61.0	60.5	58.2	57.8	55.5	55.0
92.5°	57.9	62.2	66.3	70.4	74.6	78.7	74.8	71.0	67.2	63.4	59.5
95°	79.1	85.2	91.2	97.2	103.2	109.3	102.8	96.4	89.9	83.4	76.8
97.5°	92.9	99.5	106.0	112.5	119.0	125.4	117.8	110.1	102.5	94.9	87.1
100°	132.0	144.5	157.1	169.6	182.2	194.8	180.4	166.2	152.0	137.6	123.4
102.5°	267.6	296.3	325.0	353.9	382.7	411.5	381.1	350.8	320.4	290.1	259.6
105°	501.4	547.5	593.5	639.7	685.6	731.8	682.6	633.4	584.1	534.9	485.6
107.5°	740.0	784.8	829.9	874.7	919.7	964.6	914.7	864.7	814.8	764.9	714.9
110°	876.9	903.8	930.7	957.7	984.6	1011.6	975.2	938.7	902.2	865.6	829.1



TEST NUMBER: P1444573
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL24

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	902.7	916.2	929.5	943.1	956.4	969.9	943.8	917.6	891.4	865.4	839.2
115°	846.4	850.6	854.7	858.9	863.0	867.3	849.5	831.8	814.1	796.4	778.7
117.5°	742.8	741.9	740.9	740.0	739.0	738.1	728.1	718.1	708.0	698.1	688.0
120°	637.9	633.9	630.0	626.2	622.3	618.4	614.0	609.7	605.3	601.0	596.4
122.5°	546.1	543.4	540.6	537.8	534.9	532.1	530.2	528.5	526.6	524.7	522.9
125°	473.5	473.0	472.6	472.1	471.7	471.2	470.1	469.0	468.0	466.9	465.7
127.5°	423.0	424.2	425.4	426.7	427.9	429.1	428.5	428.2	427.6	427.2	426.6
130°	390.9	393.4	395.8	398.2	400.5	402.9	402.1	401.5	400.6	399.9	399.1
132.5°	370.8	373.6	376.4	379.3	382.1	384.9	384.0	383.1	382.1	381.3	380.4
135°	356.2	359.0	361.7	364.4	367.0	369.6	368.6	367.6	366.4	365.5	364.4
137.5°	345.4	347.5	349.5	351.6	353.6	355.7	354.6	353.5	352.5	351.5	350.5
140°	336.5	338.1	339.7	341.3	342.9	344.5	343.2	342.0	340.8	339.6	338.3
142.5°	329.0	330.1	331.2	332.4	333.5	334.7	333.1	331.5	329.9	328.5	326.8
145°	324.1	324.6	325.3	326.0	326.6	327.3	325.4	323.9	322.0	320.3	318.6
147.5°	317.0	317.4	317.6	318.0	318.2	318.7	317.0	315.3	313.7	312.1	310.4
150°	309.6	310.0	310.3	310.5	310.9	311.1	309.4	307.7	306.1	304.4	302.8
152.5°	300.9	301.2	301.5	301.7	302.0	302.1	300.7	299.1	297.6	296.0	294.5
155°	294.1	294.3	294.4	294.5	294.6	294.7	293.3	292.1	290.9	289.6	288.2
157.5°	289.1	289.3	289.4	289.5	289.6	289.7	288.6	287.7	286.6	285.7	284.7
160°	285.5	285.5	285.6	285.7	285.8	285.9	285.1	284.3	283.5	282.6	281.7
162.5°	283.5	283.9	284.1	284.3	284.6	284.8	283.8	282.9	281.8	280.8	279.8
165°	281.7	281.8	281.9	282.0	282.1	282.2	281.5	280.8	280.1	279.5	278.8
167.5°	281.8	281.9	282.0	282.1	282.1	282.2	281.5	280.9	280.1	279.5	278.7
170°	280.9	281.1	281.4	281.5	281.8	281.9	281.4	280.8	280.2	279.8	279.2
172.5°	281.8	282.0	282.2	282.4	282.6	282.8	282.2	281.6	281.0	280.4	279.9
175°	280.4	280.5	280.6	280.6	280.6	280.6	280.2	279.8	279.4	278.9	278.5
177.5°	280.9	280.9	280.9	280.9	280.9	280.9	280.6	280.3	280.0	279.8	279.4
180°	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6



TEST NUMBER: P1444573
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL24

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°	52.7	52.5	50.2	49.9	48.7	49.4	48.6	49.3	48.2	48.7	47.3
92.5°	55.7	51.9	48.0	44.2	42.2	40.3	38.5	36.4	34.6	32.6	30.6
95°	70.3	63.8	57.4	50.9	48.6	46.5	44.2	42.0	39.8	37.6	35.4
97.5°	79.5	71.8	64.1	56.5	54.5	52.7	50.6	48.7	46.8	44.9	42.9
100°	109.0	94.7	80.4	66.1	64.4	62.9	61.2	59.6	58.0	56.3	54.6
102.5°	229.4	199.0	168.6	138.2	132.4	126.7	120.9	115.0	109.3	103.5	97.7
105°	436.5	387.2	338.0	288.7	273.1	257.5	241.7	226.1	210.5	194.9	179.2
107.5°	664.9	614.9	565.0	515.0	486.1	457.2	428.3	399.3	370.4	341.4	312.6
110°	792.6	756.1	719.5	683.0	659.8	636.5	613.1	589.9	566.6	543.3	519.9



TEST NUMBER: P1444573
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL24

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	813.0	786.8	760.6	734.4	723.8	713.2	702.7	692.1	681.4	670.8	660.2
115°	760.9	743.2	725.4	707.5	703.8	700.1	696.3	692.5	688.7	684.8	681.0
117.5°	678.1	667.9	657.9	647.9	648.3	648.9	649.4	650.0	650.4	650.9	651.3
120°	592.1	587.7	583.3	578.9	581.9	584.9	588.1	591.0	594.2	597.1	600.1
122.5°	521.0	519.1	517.3	515.3	519.0	522.8	526.4	530.0	533.7	537.2	540.7
125°	464.7	463.5	462.5	461.3	465.0	468.7	472.5	476.0	479.8	483.4	486.9
127.5°	426.2	425.6	425.2	424.6	427.3	429.7	432.3	434.8	437.3	439.7	442.1
130°	398.4	397.5	396.8	396.1	398.3	400.6	402.8	405.0	407.4	409.4	411.5
132.5°	379.6	378.6	377.7	376.8	378.4	379.8	381.5	382.8	384.4	385.6	387.0
135°	363.4	362.3	361.3	360.2	361.6	363.1	364.4	365.7	367.0	368.2	369.4
137.5°	349.4	348.3	347.2	346.2	347.4	348.7	349.9	351.1	352.1	353.3	354.3
140°	337.1	335.8	334.7	333.4	334.5	335.5	336.6	337.7	338.7	339.6	340.6
142.5°	325.2	323.6	322.2	320.5	321.3	322.1	322.8	323.5	324.3	324.9	325.5
145°	316.9	315.0	313.3	311.6	312.2	312.7	313.3	313.8	314.4	314.8	315.3
147.5°	308.8	307.2	305.5	303.8	304.3	304.7	305.1	305.4	305.9	306.2	306.5
150°	301.1	299.4	297.7	296.0	296.4	296.7	297.0	297.4	297.7	298.0	298.3
152.5°	292.8	291.3	289.7	288.1	288.4	288.7	289.0	289.3	289.6	289.9	290.1
155°	286.9	285.5	284.3	282.9	283.2	283.5	283.8	284.0	284.2	284.5	284.7
157.5°	283.7	282.5	281.6	280.4	280.6	280.6	280.8	280.7	280.9	280.9	281.0
160°	280.8	279.9	279.1	278.1	278.1	278.3	278.3	278.4	278.4	278.4	278.4
162.5°	278.8	277.7	276.7	275.6	275.7	275.7	275.9	275.8	275.9	275.9	275.9
165°	278.0	277.3	276.5	275.7	275.7	275.6	275.6	275.4	275.3	275.2	275.0
167.5°	278.0	277.2	276.5	275.6	275.8	275.8	275.9	275.9	276.1	276.0	276.1
170°	278.6	277.9	277.3	276.7	276.6	276.6	276.5	276.4	276.3	276.2	276.1
172.5°	279.3	278.7	278.1	277.4	277.4	277.3	277.3	277.2	277.1	277.0	277.0
175°	278.0	277.6	277.0	276.6	276.5	276.5	276.5	276.4	276.3	276.3	276.2
177.5°	279.1	278.8	278.5	278.2	278.1	278.1	278.1	278.0	278.0	278.0	278.0
180°	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6



TEST NUMBER: P1444573
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL24

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°	47.7	46.2
92.5°	28.9	27.0
95°	33.2	30.9
97.5°	41.1	39.1
100°	53.0	51.4
102.5°	92.0	86.2
105°	163.5	147.9
107.5°	283.6	254.7
110°	496.6	473.4



TEST NUMBER: P1444573
CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL24

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	649.6	639.0
115°	677.2	673.4
117.5°	651.7	652.1
120°	602.9	605.9
122.5°	544.3	547.7
125°	490.4	493.9
127.5°	444.4	446.6
130°	413.3	415.4
132.5°	388.3	389.5
135°	370.5	371.6
137.5°	355.3	356.2
140°	341.2	342.1
142.5°	326.1	326.6
145°	315.7	316.1
147.5°	306.6	306.9
150°	298.5	298.7
152.5°	290.3	290.5
155°	284.8	285.0
157.5°	280.9	280.9
160°	278.4	278.4
162.5°	275.9	275.9
165°	274.8	274.7
167.5°	276.0	276.1
170°	276.0	275.9
172.5°	276.9	276.8
175°	276.2	276.2
177.5°	278.0	277.9
180°	279.6	279.6

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

REPORT NUMBER: SP1-2506-472-4

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: SP1-2506-472-4

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

REPORT NUMBER: SP1-2506-472-4

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



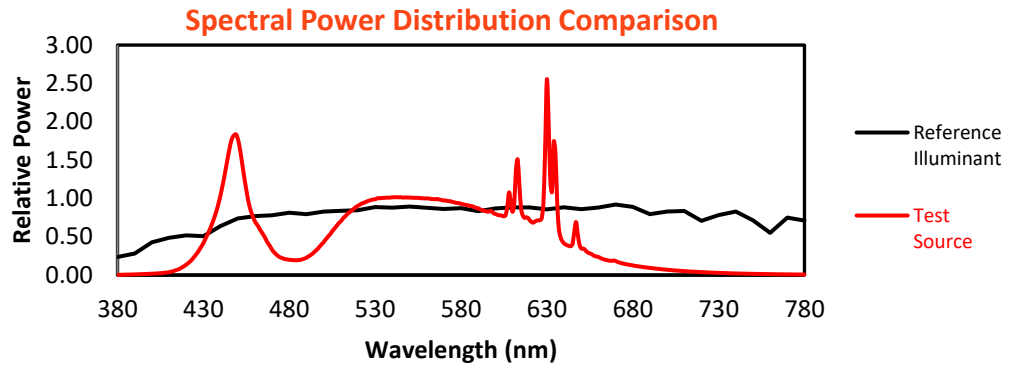
Melanopic Lumens: NR

M/P: 3.71

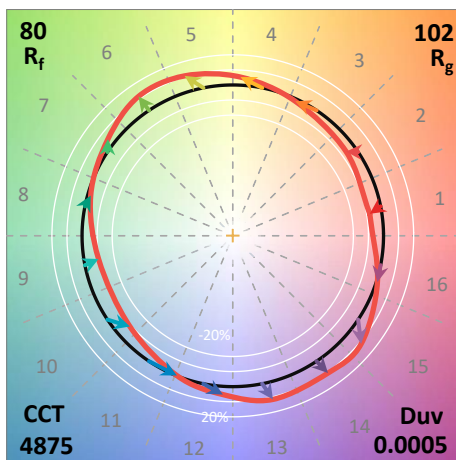
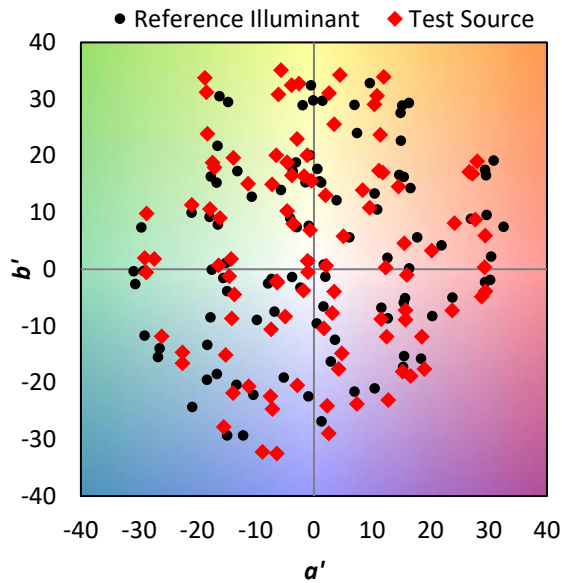
λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)
360	0	NR	490	89	NR	620	280	NR	750	6	NR	880	0	NR
365	0	NR	495	121	NR	625	280	NR	755	5	NR	885	0	NR
370	0	NR	500	168	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

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

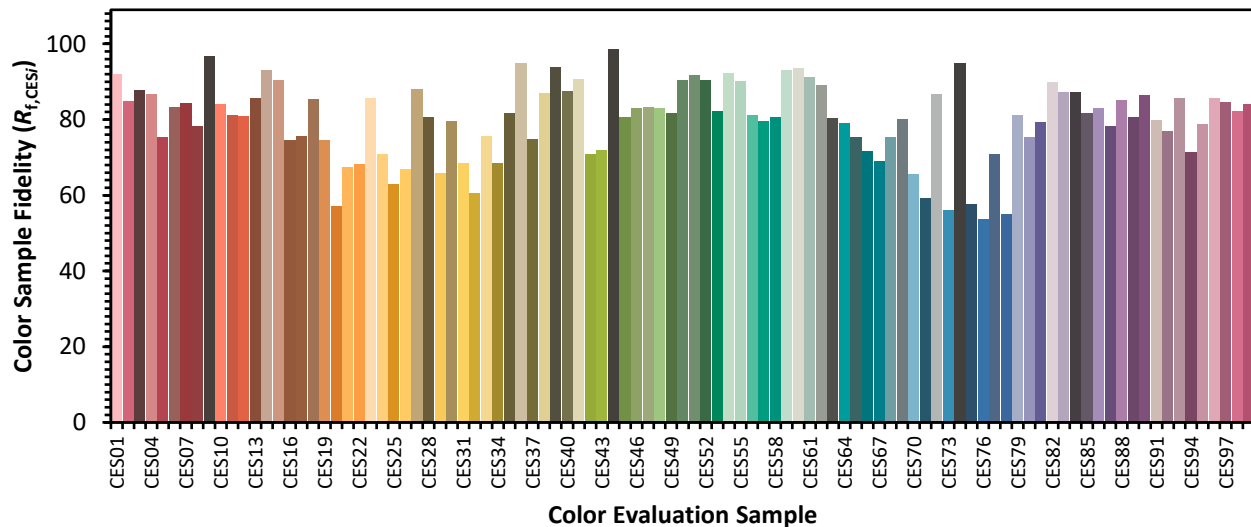


Color Vector Graphics

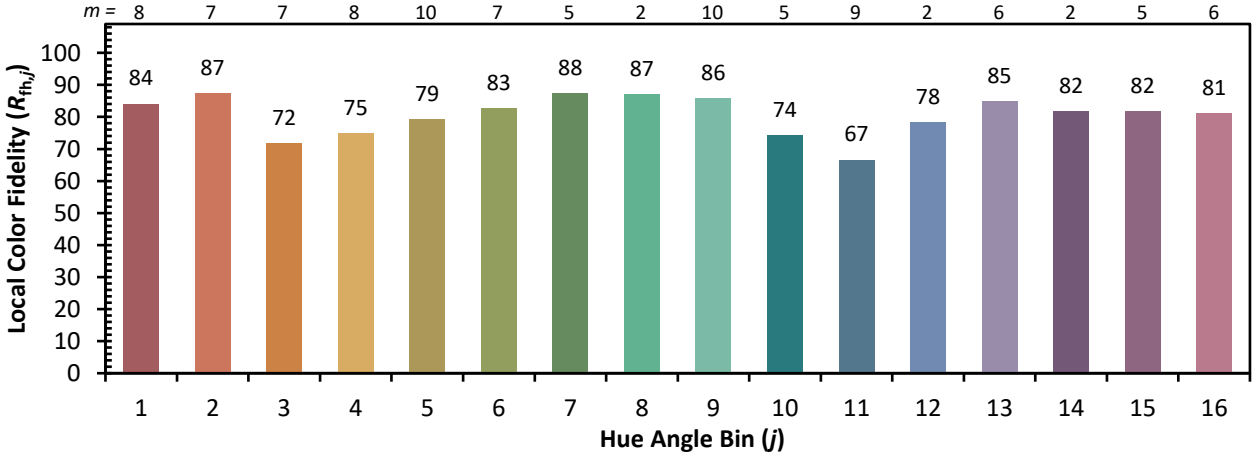


Individual Sample Fidelity Index ($R_{f,i}$)

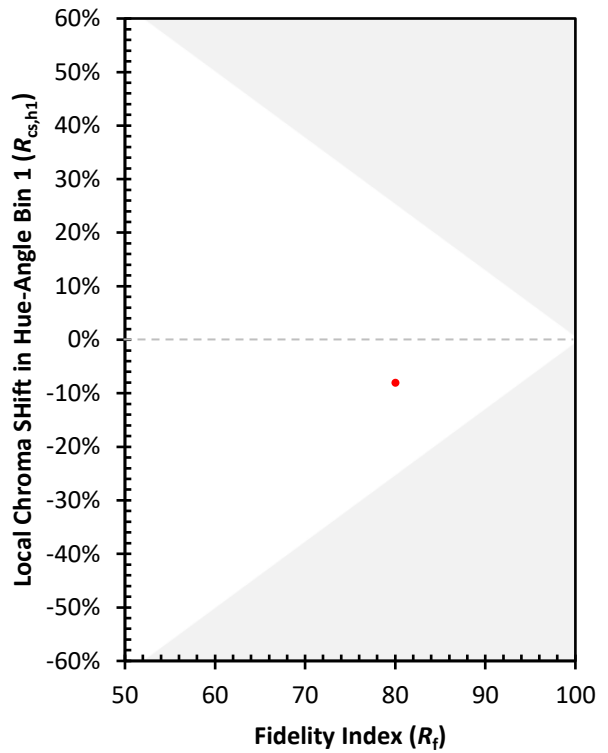
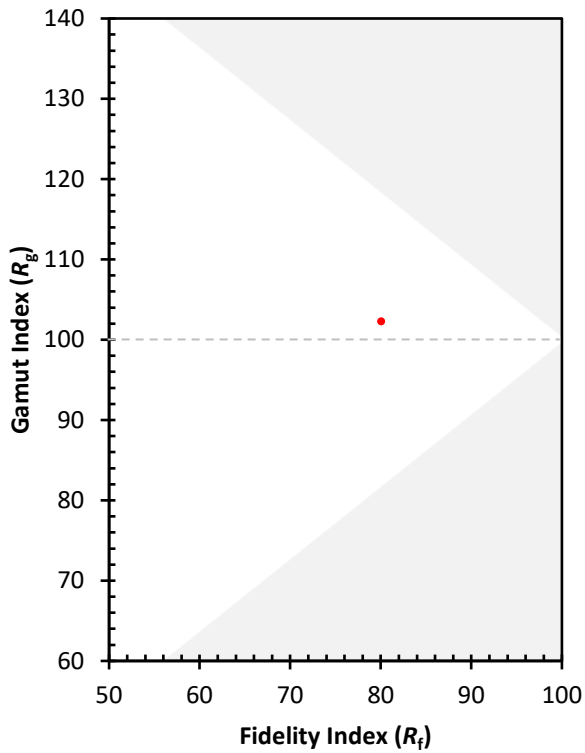
CES01 = 85	CES26 = 67	CES51 = 92	CES76 = 54
CES02 = 60	CES27 = 88	CES52 = 91	CES77 = 71
CES03 = 31	CES28 = 81	CES53 = 82	CES78 = 55
CES04 = 69	CES29 = 66	CES54 = 92	CES79 = 81
CES05 = 47	CES30 = 80	CES55 = 90	CES80 = 75
CES06 = 50	CES31 = 69	CES56 = 81	CES81 = 79
CES07 = 40	CES32 = 61	CES57 = 80	CES82 = 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)