

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: P1444570

Luminaire Tested: EHBR1-12-UNV-TA-L850-UPL12

Issue Date: 5/1/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1444570  
REPORT IS A COMBINATION OF REPORTS P1444300 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-UPL12  
Description: Elevate Round Highbay at, 12000 lumens, 5000K 80CRI LEDs with TA lens  
Light Source: -  
Ballast/Driver: -

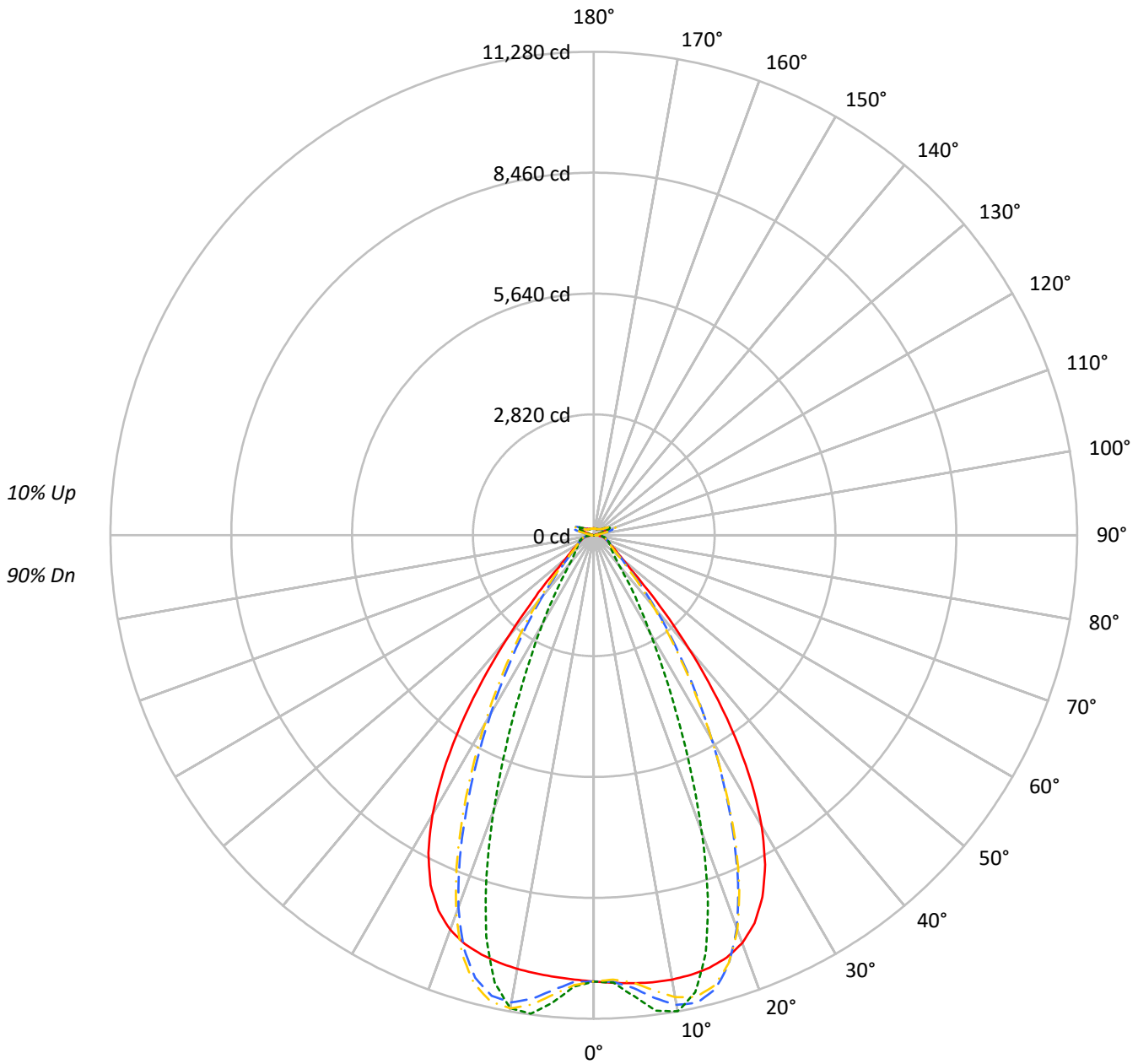
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13242.1 lumens  
Efficiency: N/A  
Efficacy: 183.7 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 0.77 / 0.88  
Luminous Opening: Vertical Cylinder (Dia: 1.71' x H: 0.1')  
CIE Type: Direct

Input Watts (W): 72.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P1444570  
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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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	93	93	93	90
1	110	106	103	100	106	103	100	98	97	95	93	92	90	88	87	86	84	84	84	84	82
2	103	97	92	88	100	94	90	86	89	86	83	85	82	79	81	78	76	76	76	76	74
3	96	89	83	78	93	87	81	77	83	78	74	79	75	72	75	72	70	70	70	70	68
4	91	82	75	70	88	80	74	69	76	71	68	73	69	66	70	67	64	64	64	64	62
5	85	76	69	64	83	74	68	63	71	66	62	68	64	60	66	62	59	59	59	59	57
6	80	70	63	59	78	69	63	58	66	61	57	64	59	56	62	58	55	55	55	55	53
7	76	65	59	54	74	64	58	53	62	57	52	60	55	52	58	54	51	51	51	51	49
8	72	61	54	50	70	60	54	50	58	53	49	56	52	48	55	50	47	47	47	47	46
9	68	57	51	46	66	56	50	46	55	49	45	53	48	45	52	47	44	44	44	44	43
10	65	54	48	43	63	53	47	43	52	46	42	50	45	42	49	44	41	41	41	41	40

**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	7.7
10°-20°	2886.6	21.8
20°-30°	3287.6	24.8
30°-40°	2363.0	17.8
40°-50°	1089.8	8.2
50°-60°	521.5	3.9
60°-70°	380.5	2.9
70°-80°	289.1	2.2
80°-90°	133.6	1.0
90°-100°	35.5	0.3
100°-110°	210.1	1.6
110°-120°	388.2	2.9
120°-130°	236.0	1.8
130°-140°	149.7	1.1
140°-150°	109.4	0.8
150°-160°	75.2	0.6
160°-170°	44.9	0.3
170°-180°	15.2	0.1
0°-30°	7200.3	54.4
0°-40°	9563.3	72.2
0°-60°	11174.6	84.4
0°-90°	11977.8	90.5
90°-120°	633.8	4.8
90°-150°	1128.9	8.5
90°-180°	1264.0	9.5
0°-180°	13242.1	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°	37	47	13	15	37	23
95°	16	18	16	18	16	16
105°	75	97	50	97	75	100
115°	338	411	354	411	338	312
125°	252	266	286	267	252	230
135°	195	175	210	176	195	152
145°	171	168	182	169	171	108
155°	158	159	169	161	158	74
165°	156	156	162	157	156	44
175°	159	160	162	161	159	15
180°	161	161	161	161	161	



TEST NUMBER: P1444570  
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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°	37.4	39.6	40.5	42.8	43.7	45.9	46.7	49.0	49.9	52.4	53.8
92.5°	14.3	15.3	16.1	17.2	18.2	19.4	20.4	21.5	22.4	23.6	25.5
95°	16.3	17.4	18.5	19.5	20.6	21.8	22.9	24.0	25.0	26.1	29.4
97.5°	20.4	21.4	22.3	23.3	24.3	25.1	26.1	27.1	28.0	29.0	32.8
100°	26.6	27.4	28.2	29.1	29.9	30.6	31.4	32.3	33.1	33.9	41.0
102.5°	44.2	47.1	49.9	52.7	55.6	58.5	61.4	64.2	67.1	69.9	85.0
105°	75.1	82.8	90.7	98.3	106.1	113.9	121.7	129.4	137.1	144.9	169.3
107.5°	128.5	142.7	157.2	171.5	185.8	200.3	214.6	229.0	243.3	257.7	282.5
110°	237.6	249.1	260.7	272.2	283.8	295.3	306.9	318.3	329.8	341.4	359.5



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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°	320.4	325.6	330.8	336.0	341.3	346.4	351.7	356.9	362.1	367.3	380.2
115°	338.1	339.9	341.7	343.5	345.4	347.2	349.0	350.8	352.6	354.3	363.1
117.5°	328.2	327.8	327.6	327.2	326.8	326.5	326.2	325.7	325.4	325.0	330.0
120°	306.0	304.4	302.8	301.2	299.6	297.9	296.4	294.7	293.0	291.2	293.4
122.5°	277.9	276.0	274.2	272.2	270.2	268.4	266.4	264.3	262.4	260.4	261.2
125°	252.1	250.1	248.2	246.3	244.2	242.3	240.4	238.3	236.2	234.2	234.7
127.5°	229.6	228.2	226.9	225.4	224.1	222.6	221.1	219.6	218.3	216.7	216.8
130°	215.0	213.8	212.6	211.4	210.0	208.7	207.4	206.1	204.7	203.3	203.5
132.5°	203.1	202.3	201.5	200.6	199.6	198.5	197.6	196.6	195.6	194.6	194.8
135°	195.3	194.5	193.7	192.8	191.9	191.1	190.1	189.1	188.2	187.1	187.5
137.5°	188.6	187.9	187.2	186.3	185.6	184.7	183.9	182.9	182.0	181.1	181.4
140°	182.5	181.9	181.1	180.4	179.7	179.0	178.1	177.3	176.4	175.6	176.0
142.5°	175.6	175.1	174.6	174.0	173.5	172.8	172.1	171.4	170.7	170.0	170.6
145°	171.1	170.7	170.3	169.7	169.2	168.7	168.2	167.5	166.9	166.4	167.0
147.5°	167.3	166.9	166.6	166.1	165.8	165.2	164.8	164.2	163.8	163.3	163.8
150°	163.8	163.5	163.3	162.8	162.4	161.9	161.5	161.0	160.6	160.0	160.7
152.5°	160.2	159.8	159.6	159.1	158.8	158.3	158.0	157.5	157.1	156.6	157.1
155°	158.0	157.8	157.4	157.1	156.7	156.3	155.8	155.5	155.0	154.6	155.1
157.5°	156.7	156.4	156.2	155.9	155.6	155.2	154.9	154.6	154.3	154.0	154.2
160°	156.2	155.9	155.6	155.4	155.0	154.7	154.4	154.1	153.8	153.5	153.8
162.5°	155.7	155.4	155.1	154.9	154.6	154.2	153.9	153.7	153.4	153.0	153.3
165°	155.8	155.6	155.4	155.2	155.0	154.8	154.6	154.4	154.2	154.0	154.2
167.5°	157.2	156.9	156.8	156.5	156.2	156.1	155.8	155.5	155.4	155.0	155.3
170°	157.8	157.6	157.5	157.4	157.2	157.1	157.0	156.8	156.6	156.5	156.7
172.5°	158.6	158.4	158.3	158.3	158.1	158.0	158.0	157.9	157.8	157.7	157.9
175°	158.6	158.4	158.4	158.3	158.2	158.2	158.1	158.0	158.0	158.0	158.0
177.5°	159.7	159.6	159.6	159.6	159.6	159.6	159.5	159.4	159.4	159.4	159.5
180°	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6



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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°	56.7	58.3	61.1	61.9	63.9	64.5	54.4	53.8	52.3	52.2	50.3
92.5°	27.6	29.5	31.5	33.5	35.6	37.5	38.3	39.9	37.9	35.8	33.9
95°	32.6	35.9	39.1	42.2	45.5	48.7	52.0	55.2	52.2	49.1	46.1
97.5°	36.6	40.5	44.3	48.0	51.9	55.7	59.5	63.4	60.1	56.8	53.5
100°	48.1	55.2	62.3	69.3	76.5	83.6	90.8	97.8	91.6	85.3	79.1
102.5°	100.1	115.1	130.3	145.3	160.4	175.4	190.6	205.7	191.3	177.0	162.7
105°	193.8	218.3	242.7	267.1	291.4	316.0	340.6	364.9	342.0	319.0	296.3
107.5°	307.3	332.0	356.8	381.4	406.3	431.0	456.0	480.8	458.4	436.0	413.8
110°	377.6	395.7	413.7	431.9	450.0	468.1	486.4	504.5	491.0	477.6	464.1



TEST NUMBER: P1444570  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL12

**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	393.1	406.2	419.1	431.9	444.8	457.7	471.1	484.1	477.4	470.6	463.8
115°	371.9	380.6	389.3	398.0	406.8	415.4	424.5	433.4	431.2	429.1	426.9
117.5°	334.9	339.8	344.7	349.6	354.3	359.2	364.6	369.6	370.0	370.4	370.8
120°	295.5	297.5	299.6	301.8	303.7	305.8	308.4	310.6	312.5	314.2	316.1
122.5°	262.0	262.8	263.5	264.3	265.1	265.8	267.4	268.4	269.5	270.8	272.1
125°	235.1	235.4	235.8	236.2	236.5	236.9	238.2	238.7	238.9	238.8	239.0
127.5°	216.9	217.0	217.0	217.2	217.2	217.2	218.2	218.5	217.8	217.0	216.2
130°	203.7	203.9	204.1	204.3	204.5	204.7	205.9	206.3	205.0	203.5	202.3
132.5°	195.1	195.4	195.6	195.9	196.1	196.4	197.6	198.1	196.7	195.1	193.5
135°	187.8	188.1	188.4	188.8	189.1	189.5	191.0	191.5	190.1	188.5	187.0
137.5°	181.6	182.0	182.4	182.7	183.0	183.4	185.0	185.7	184.5	183.2	182.0
140°	176.4	176.8	177.2	177.7	178.1	178.6	180.3	181.0	180.1	179.2	178.2
142.5°	171.1	171.7	172.3	173.0	173.6	174.2	176.2	177.1	176.4	175.7	175.0
145°	167.6	168.3	169.0	169.7	170.4	171.1	173.4	174.5	174.1	173.6	173.1
147.5°	164.4	165.0	165.6	166.3	167.0	167.8	170.0	171.1	170.8	170.5	170.3
150°	161.2	161.9	162.5	163.2	163.9	164.6	167.3	168.5	168.2	168.0	167.8
152.5°	157.7	158.2	158.8	159.4	160.0	160.8	163.8	165.0	164.7	164.4	164.3
155°	155.4	155.9	156.4	156.8	157.3	157.9	161.0	162.2	162.1	162.0	161.8
157.5°	154.6	154.9	155.1	155.6	155.9	156.3	159.6	160.7	160.6	160.4	160.3
160°	153.9	154.2	154.4	154.7	154.9	155.3	158.6	159.7	159.6	159.4	159.3
162.5°	153.6	154.1	154.3	154.6	155.0	155.4	158.8	159.9	159.7	159.5	159.4
165°	154.4	154.5	154.7	155.0	155.2	155.4	158.5	159.5	159.4	159.3	159.2
167.5°	155.4	155.7	155.9	156.0	156.3	156.6	159.4	160.4	160.3	160.2	160.1
170°	156.8	157.0	157.2	157.4	157.6	157.9	160.3	161.0	160.9	160.7	160.6
172.5°	158.0	158.3	158.5	158.7	158.9	159.2	161.3	162.1	161.9	161.8	161.6
175°	158.2	158.4	158.6	158.8	158.9	159.2	160.9	161.4	161.3	161.3	161.2
177.5°	159.7	159.7	159.9	160.0	160.2	160.3	161.4	161.7	161.7	161.7	161.6
180°	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6



TEST NUMBER: P1444570  
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**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°	49.6	47.7	47.8	46.8	47.4	46.5	47.2	46.1	47.1	46.7	48.1
92.5°	31.6	29.7	27.5	25.5	23.4	21.5	20.3	19.5	18.5	17.7	16.6
95°	43.1	40.1	37.1	34.1	31.1	28.1	27.0	25.9	24.8	23.7	22.6
97.5°	50.3	47.1	43.9	40.6	37.3	34.1	33.4	32.6	31.9	31.1	30.5
100°	72.8	66.6	60.3	54.0	47.7	41.6	41.0	40.4	39.8	39.2	38.6
102.5°	148.4	134.0	119.7	105.4	91.2	76.7	74.3	71.7	69.3	66.8	64.2
105°	273.3	250.4	227.5	204.6	181.7	158.8	152.1	145.1	138.3	131.4	124.7
107.5°	391.4	369.0	346.7	324.4	302.1	279.8	268.9	258.2	247.3	236.5	225.8
110°	450.7	437.3	424.0	410.4	397.0	383.7	373.4	363.1	352.7	342.4	332.2



TEST NUMBER: P1444570  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL12

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	457.1	450.4	443.7	436.9	430.2	423.6	418.5	413.4	408.5	403.4	398.3
115°	424.7	422.6	420.4	418.3	416.2	414.0	413.7	413.3	412.9	412.7	412.4
117.5°	371.1	371.4	371.8	372.3	372.7	373.1	375.7	378.5	381.1	383.9	386.6
120°	317.9	319.5	321.4	323.3	325.0	326.9	330.4	334.1	337.7	341.3	345.2
122.5°	273.4	274.5	275.8	277.2	278.4	279.7	283.2	286.8	290.4	293.9	297.7
125°	239.0	239.0	239.1	239.1	239.1	239.2	242.1	245.0	247.9	251.0	254.0
127.5°	215.4	214.6	213.7	213.1	212.2	211.5	213.2	214.9	216.6	218.4	220.2
130°	200.8	199.5	197.9	196.7	195.2	193.9	194.6	195.2	195.9	196.7	197.2
132.5°	191.8	190.3	188.6	186.9	185.4	183.8	183.7	183.7	183.7	183.7	183.8
135°	185.5	184.0	182.4	180.8	179.3	177.8	177.3	177.0	176.6	176.2	175.9
137.5°	180.8	179.7	178.4	177.2	175.9	174.7	174.2	173.6	173.0	172.6	172.0
140°	177.2	176.3	175.2	174.3	173.3	172.4	171.8	171.4	170.8	170.5	170.0
142.5°	174.3	173.5	172.8	172.0	171.3	170.5	170.1	169.6	169.2	168.9	168.5
145°	172.7	172.1	171.6	171.2	170.6	170.2	169.7	169.5	169.1	168.9	168.7
147.5°	170.0	169.6	169.3	169.1	168.8	168.5	168.2	168.0	167.7	167.6	167.3
150°	167.4	167.1	166.8	166.6	166.3	166.0	165.8	165.7	165.5	165.5	165.3
152.5°	164.0	163.7	163.5	163.4	163.0	162.7	162.6	162.6	162.4	162.3	162.2
155°	161.6	161.5	161.3	161.1	160.9	160.7	160.6	160.4	160.2	160.0	159.8
157.5°	160.2	160.0	159.8	159.7	159.5	159.3	159.1	159.0	158.8	158.7	158.5
160°	159.1	159.0	158.8	158.7	158.5	158.4	158.1	157.9	157.8	157.5	157.2
162.5°	159.1	158.8	158.6	158.5	158.2	158.0	157.9	157.7	157.5	157.4	157.2
165°	159.0	158.9	158.7	158.5	158.4	158.3	158.0	157.8	157.7	157.4	157.1
167.5°	159.9	159.8	159.6	159.5	159.3	159.2	159.0	158.8	158.5	158.3	158.1
170°	160.4	160.1	160.0	159.8	159.6	159.3	159.1	158.9	158.7	158.5	158.2
172.5°	161.5	161.3	161.1	161.0	160.8	160.6	160.4	160.2	160.1	159.9	159.7
175°	161.1	161.1	161.1	160.9	160.9	160.8	160.7	160.7	160.6	160.6	160.5
177.5°	161.6	161.6	161.6	161.5	161.5	161.5	161.3	161.2	161.2	161.0	160.9
180°	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6



TEST NUMBER: P1444570  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL12

**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°	47.3	48.2	46.7	46.7	46.0	46.8	45.1	45.0	42.4	41.9	39.6
92.5°	15.7	14.6	13.8	12.8	13.9	14.6	15.8	16.6	17.6	18.5	19.5
95°	21.5	20.3	19.3	18.2	19.1	19.9	20.8	21.7	22.5	23.4	24.3
97.5°	29.7	29.0	28.2	27.5	28.0	28.5	29.1	29.6	30.1	30.5	31.2
100°	38.0	37.4	36.8	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
102.5°	61.8	59.3	56.8	54.3	56.0	57.7	59.3	61.0	62.8	64.4	66.2
105°	117.8	111.0	104.1	97.3	103.9	110.5	117.2	123.8	130.3	137.0	143.7
107.5°	215.0	204.2	193.5	182.7	194.7	206.8	218.8	230.7	242.8	254.8	266.9
110°	321.9	311.7	301.4	291.1	303.9	316.7	329.5	342.2	354.9	367.7	380.5



TEST NUMBER: P1444570  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL12

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	393.3	388.4	383.4	378.4	386.6	394.8	403.0	411.4	419.5	427.9	436.1
115°	412.1	411.8	411.5	411.2	415.1	418.9	422.9	426.7	430.7	434.6	438.6
117.5°	389.4	392.1	395.0	397.7	399.0	400.2	401.5	402.7	404.0	405.3	406.7
120°	348.8	352.4	356.2	359.9	359.4	358.9	358.3	357.8	357.5	357.1	356.7
122.5°	301.4	305.0	308.7	312.5	311.4	310.3	309.1	308.0	307.2	306.1	305.1
125°	257.2	260.2	263.3	266.4	265.3	264.2	263.1	262.1	261.1	260.1	259.1
127.5°	222.1	224.1	225.9	227.8	227.3	226.8	226.3	225.9	225.5	225.1	224.7
130°	198.1	199.0	199.8	200.7	200.9	201.0	201.3	201.5	201.9	202.1	202.4
132.5°	184.0	184.1	184.3	184.5	185.1	185.7	186.3	187.0	187.8	188.5	189.4
135°	175.7	175.4	175.3	175.1	176.0	176.9	177.8	178.8	179.8	180.8	182.0
137.5°	171.6	171.2	170.8	170.5	171.4	172.3	173.3	174.2	175.2	176.3	177.5
140°	169.7	169.3	169.2	168.9	169.7	170.6	171.5	172.5	173.6	174.6	175.7
142.5°	168.1	167.8	167.5	167.3	168.1	168.9	169.8	170.6	171.6	172.5	173.6
145°	168.4	168.1	168.0	167.8	168.3	168.9	169.5	170.2	170.8	171.5	172.3
147.5°	167.2	167.0	166.9	166.8	167.2	167.7	168.1	168.6	169.1	169.6	170.2
150°	165.4	165.2	165.1	165.2	165.4	165.7	166.0	166.3	166.7	167.0	167.5
152.5°	162.2	162.0	162.1	162.1	162.3	162.6	162.9	163.1	163.5	163.7	164.1
155°	159.8	159.6	159.5	159.4	159.5	159.6	159.8	159.8	160.0	160.1	160.3
157.5°	158.4	158.2	158.2	158.0	158.0	158.0	158.0	158.0	158.0	158.0	158.1
160°	157.1	156.9	156.6	156.4	156.4	156.5	156.6	156.6	156.7	156.8	156.8
162.5°	157.1	156.9	156.8	156.6	156.6	156.4	156.3	156.2	156.1	156.0	156.0
165°	156.9	156.7	156.5	156.2	156.2	156.2	156.1	156.1	156.1	156.1	156.0
167.5°	158.0	157.7	157.6	157.3	157.2	156.9	156.9	156.6	156.5	156.3	156.3
170°	158.0	158.0	157.8	157.6	157.5	157.4	157.4	157.2	157.2	157.2	157.2
172.5°	159.5	159.4	159.2	159.0	158.9	158.9	158.8	158.8	158.7	158.7	158.7
175°	160.4	160.4	160.3	160.2	160.1	160.0	160.0	159.9	159.8	159.6	159.6
177.5°	160.8	160.7	160.6	160.5	160.5	160.5	160.5	160.5	160.5	160.4	160.4
180°	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6



TEST NUMBER: P1444570  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL12

**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°	39.6	37.7	38.2	37.1	37.9	37.0	38.1	37.8	39.2	38.8	40.3
92.5°	20.3	21.3	23.1	24.9	26.6	28.4	30.2	32.0	33.7	35.6	37.2
95°	25.1	26.0	28.4	30.7	33.1	35.5	37.8	40.2	42.5	44.9	47.2
97.5°	31.7	32.2	34.6	36.9	39.3	41.6	43.9	46.4	48.7	51.1	53.4
100°	36.2	36.3	43.0	49.7	56.4	63.1	69.6	76.3	83.1	89.8	96.5
102.5°	67.9	69.5	86.4	103.2	120.1	137.0	153.9	170.8	187.7	204.6	221.5
105°	150.3	156.9	182.6	208.4	234.2	259.9	285.5	311.4	337.1	363.0	388.7
107.5°	279.0	291.0	314.3	337.5	360.8	384.1	407.4	430.6	454.0	477.2	500.7
110°	393.3	406.1	421.7	437.2	452.8	468.4	484.1	499.7	515.3	530.9	546.6



TEST NUMBER: P1444570  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL12

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	444.3	452.6	461.7	470.8	479.8	489.0	498.1	507.2	516.4	525.5	534.8
115°	442.4	446.4	449.9	453.5	457.1	460.6	464.2	467.9	471.5	475.0	478.7
117.5°	407.9	409.3	409.8	410.5	411.0	411.7	412.3	412.9	413.5	414.3	414.8
120°	356.2	355.8	355.3	354.7	354.2	353.6	353.1	352.6	352.1	351.7	351.3
122.5°	304.1	303.2	302.6	302.1	301.7	301.2	300.8	300.3	299.9	299.4	299.0
125°	258.2	257.4	257.8	258.4	259.0	259.6	260.2	260.9	261.5	262.1	262.8
127.5°	224.5	224.3	225.5	227.0	228.5	229.9	231.3	232.8	234.3	235.7	237.1
130°	202.8	203.2	205.0	206.9	208.6	210.5	212.3	214.1	215.9	217.8	219.6
132.5°	190.2	191.2	192.7	194.5	196.3	198.0	199.9	201.7	203.3	205.2	206.9
135°	183.1	184.3	185.9	187.4	189.1	190.8	192.3	194.0	195.6	197.2	198.8
137.5°	178.6	179.8	181.1	182.3	183.6	185.1	186.2	187.6	188.9	190.2	191.4
140°	176.8	178.1	178.7	179.6	180.2	181.1	181.8	182.7	183.3	184.2	184.9
142.5°	174.6	175.6	176.0	176.6	177.1	177.7	178.2	178.7	179.2	179.7	180.1
145°	173.0	173.9	174.0	174.1	174.2	174.3	174.4	174.5	174.5	174.6	174.6
147.5°	170.8	171.4	171.3	171.4	171.3	171.2	171.2	171.2	171.0	171.0	171.0
150°	167.8	168.3	168.1	168.0	167.8	167.6	167.4	167.2	167.0	166.9	166.7
152.5°	164.4	164.8	164.5	164.3	164.1	163.9	163.6	163.5	163.3	163.0	162.9
155°	160.4	160.6	160.4	160.4	160.2	160.1	159.9	159.9	159.8	159.7	159.6
157.5°	158.0	158.1	158.0	158.0	157.9	157.9	157.9	157.8	157.8	157.9	157.9
160°	156.9	157.0	156.8	156.8	156.7	156.6	156.6	156.6	156.6	156.7	156.7
162.5°	155.9	155.8	155.7	155.7	155.6	155.5	155.6	155.6	155.5	155.6	155.6
165°	156.1	156.2	156.0	155.9	155.8	155.6	155.6	155.5	155.5	155.4	155.4
167.5°	156.1	156.0	156.0	156.1	156.1	156.1	156.2	156.3	156.4	156.5	156.6
170°	157.1	157.2	157.0	157.0	157.0	156.9	156.8	156.8	156.9	156.8	156.8
172.5°	158.7	158.7	158.6	158.4	158.3	158.1	158.0	158.0	157.9	157.7	157.6
175°	159.5	159.4	159.3	159.3	159.2	159.0	159.0	158.9	158.8	158.8	158.7
177.5°	160.4	160.3	160.2	160.2	160.2	160.2	160.2	160.1	160.1	160.1	160.0
180°	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6



TEST NUMBER: P1444570  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL12

**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°	37.5	36.4	33.7	32.7	30.1	28.4	25.4	24.0	21.2	20.6	19.0
92.5°	35.3	33.3	31.3	29.3	27.4	25.4	23.4	21.4	19.4	18.7	18.2
95°	44.4	41.6	38.7	35.9	32.9	30.1	27.2	24.4	21.5	20.9	20.3
97.5°	50.1	46.7	43.3	40.0	36.5	33.2	30.0	26.5	23.2	22.8	22.4
100°	88.7	81.0	73.3	65.5	57.7	49.9	42.2	34.5	26.7	26.3	25.8
102.5°	202.6	183.9	165.1	146.3	127.5	108.6	89.9	71.0	52.3	49.5	46.9
105°	360.3	331.7	303.3	274.9	246.4	217.9	189.5	160.9	132.5	123.4	114.2
107.5°	473.9	447.1	420.4	393.7	366.8	340.1	313.3	286.5	259.7	243.7	227.6
110°	525.3	504.1	483.0	461.8	440.5	419.2	397.9	376.7	355.5	341.5	327.8



TEST NUMBER: P1444570  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL12

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	519.1	503.6	488.1	472.5	457.1	441.3	425.8	410.3	394.7	386.2	377.9
115°	469.3	460.0	450.7	441.2	431.9	422.5	413.1	403.7	394.3	389.9	385.4
117.5°	410.1	405.3	400.6	395.8	390.9	386.1	381.4	376.5	371.7	370.2	368.6
120°	349.9	348.4	346.8	345.5	344.0	342.5	340.9	339.5	338.0	338.2	338.4
122.5°	299.6	300.2	300.8	301.3	301.9	302.3	302.9	303.4	303.9	305.1	306.3
125°	264.1	265.5	267.0	268.4	269.6	271.0	272.5	273.8	275.1	276.3	277.5
127.5°	238.8	240.3	241.9	243.4	245.0	246.6	248.1	249.5	251.1	252.2	253.3
130°	221.0	222.4	223.7	225.0	226.4	227.8	229.1	230.4	231.7	232.6	233.4
132.5°	208.0	209.3	210.6	211.7	213.0	214.1	215.4	216.6	217.9	218.5	219.1
135°	199.8	200.6	201.6	202.4	203.4	204.2	205.2	206.2	207.1	207.6	208.0
137.5°	192.3	192.9	193.8	194.5	195.3	196.0	196.8	197.5	198.4	198.5	198.9
140°	185.7	186.4	187.2	188.0	188.8	189.6	190.6	191.3	192.2	192.5	192.7
142.5°	180.7	181.2	181.9	182.5	183.2	183.8	184.5	185.2	185.8	186.1	186.3
145°	175.3	176.0	176.8	177.5	178.3	179.0	180.0	180.7	181.6	181.7	181.9
147.5°	171.6	172.2	172.9	173.5	174.3	174.8	175.6	176.3	177.2	177.3	177.4
150°	167.4	168.0	168.7	169.3	170.0	170.8	171.6	172.4	173.3	173.5	173.7
152.5°	163.5	164.2	164.9	165.7	166.5	167.4	168.3	169.1	169.9	170.1	170.4
155°	160.3	161.0	161.8	162.6	163.4	164.1	165.0	165.8	166.7	167.0	167.3
157.5°	158.4	159.0	159.8	160.5	161.2	161.9	162.8	163.5	164.1	164.4	164.6
160°	157.3	157.9	158.4	159.1	159.7	160.4	161.0	161.7	162.3	162.6	162.8
162.5°	156.2	156.9	157.5	158.0	158.6	159.3	159.9	160.6	161.2	161.4	161.7
165°	155.9	156.3	156.8	157.2	157.6	158.0	158.5	158.9	159.5	159.7	160.0
167.5°	157.0	157.2	157.7	158.0	158.3	158.6	159.1	159.4	159.8	160.1	160.3
170°	157.1	157.5	157.7	158.0	158.4	158.7	159.0	159.4	159.8	160.0	160.2
172.5°	157.8	158.0	158.1	158.4	158.5	158.8	159.0	159.3	159.5	159.8	159.9
175°	158.8	158.8	159.0	159.1	159.1	159.3	159.4	159.5	159.7	159.9	160.0
177.5°	160.1	160.2	160.2	160.3	160.5	160.6	160.7	160.8	160.9	161.1	161.3
180°	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6



TEST NUMBER: P1444570  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL12

**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°	18.4	16.9	16.4	14.9	14.3	13.3	12.9	13.1	13.5	13.9	14.2
92.5°	17.5	16.8	16.2	15.5	14.8	14.2	13.6	14.2	14.8	15.5	16.2
95°	19.7	19.2	18.7	18.1	17.5	16.9	16.3	16.9	17.5	18.2	18.8
97.5°	22.1	21.7	21.3	20.9	20.6	20.2	19.8	20.2	20.6	20.9	21.3
100°	25.4	24.9	24.6	24.1	23.7	23.2	22.8	23.3	23.8	24.2	24.7
102.5°	44.1	41.4	38.7	36.0	33.2	30.5	27.8	30.5	33.2	36.0	38.8
105°	105.0	95.9	86.7	77.6	68.4	59.2	50.1	59.3	68.5	77.7	86.8
107.5°	211.4	195.4	179.3	163.2	146.9	130.8	114.7	130.9	147.0	163.3	179.4
110°	313.9	300.0	286.0	272.2	258.3	244.4	230.4	244.4	258.3	272.2	286.1



TEST NUMBER: P1444570  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL12

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	369.3	360.9	352.4	344.0	335.4	327.1	318.6	327.1	335.5	344.2	352.6
115°	380.9	376.5	372.1	367.7	363.1	358.6	354.1	358.7	363.2	367.9	372.4
117.5°	367.1	365.5	363.9	362.4	360.8	359.2	357.5	359.3	361.0	362.7	364.3
120°	338.5	338.7	338.9	339.0	339.2	339.3	339.4	339.4	339.4	339.4	339.4
122.5°	307.5	308.6	309.6	310.8	312.0	313.1	314.0	313.2	312.3	311.4	310.3
125°	278.7	280.0	281.1	282.3	283.4	284.6	285.5	284.8	283.9	282.9	281.8
127.5°	254.4	255.5	256.5	257.7	258.6	259.6	260.5	259.8	259.0	258.1	257.4
130°	234.3	235.2	235.8	236.7	237.5	238.2	238.8	238.4	237.9	237.4	236.7
132.5°	219.7	220.4	221.0	221.6	222.1	222.7	223.1	222.9	222.6	222.3	221.9
135°	208.4	208.8	209.3	209.7	210.0	210.3	210.5	210.6	210.5	210.5	210.3
137.5°	199.1	199.4	199.5	199.7	199.8	199.9	199.9	200.2	200.3	200.6	200.6
140°	192.9	193.2	193.4	193.5	193.8	193.8	193.8	194.1	194.3	194.4	194.5
142.5°	186.6	186.8	187.1	187.2	187.4	187.4	187.5	187.7	187.9	188.0	188.1
145°	182.0	182.2	182.3	182.5	182.4	182.4	182.3	182.7	182.9	183.2	183.4
147.5°	177.5	177.7	177.7	177.8	177.8	177.8	177.7	178.0	178.3	178.5	178.7
150°	174.1	174.3	174.5	174.6	174.8	174.9	174.9	175.1	175.3	175.3	175.4
152.5°	170.6	170.8	171.0	171.1	171.4	171.4	171.4	171.7	171.9	172.0	172.1
155°	167.5	167.8	168.0	168.2	168.4	168.6	168.8	168.9	169.0	169.1	169.1
157.5°	164.8	165.1	165.3	165.5	165.7	165.9	166.1	166.3	166.4	166.6	166.6
160°	163.0	163.3	163.4	163.6	163.8	164.0	164.1	164.3	164.5	164.6	164.7
162.5°	161.9	162.1	162.2	162.5	162.6	162.8	163.0	163.2	163.4	163.5	163.5
165°	160.2	160.5	160.8	161.1	161.3	161.6	161.8	161.9	161.9	162.1	162.1
167.5°	160.5	160.8	161.0	161.3	161.4	161.7	161.9	162.0	162.0	162.1	162.2
170°	160.4	160.6	160.8	161.0	161.3	161.4	161.6	161.6	161.7	161.8	161.8
172.5°	160.2	160.5	160.8	161.0	161.3	161.5	161.8	161.8	161.7	161.6	161.5
175°	160.3	160.5	160.7	160.9	161.1	161.3	161.6	161.4	161.5	161.3	161.3
177.5°	161.7	162.0	162.2	162.4	162.7	162.9	163.2	163.0	162.8	162.6	162.4
180°	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6



TEST NUMBER: P1444570  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL12

**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°	14.6	15.0	15.4	15.9	16.5	17.7	19.0	20.1	21.6	22.8	24.2
92.5°	16.8	17.5	18.2	18.8	19.4	21.4	23.4	25.4	27.5	29.4	31.3
95°	19.3	19.8	20.4	21.1	21.7	24.6	27.4	30.3	33.1	36.0	38.9
97.5°	21.8	22.2	22.5	22.9	23.3	26.6	30.1	33.4	36.7	40.2	43.5
100°	25.0	25.5	25.9	26.5	26.9	34.7	42.4	50.2	58.0	65.7	73.5
102.5°	41.5	44.2	47.0	49.7	52.5	71.3	90.2	108.9	127.7	146.6	165.4
105°	96.0	105.1	114.4	123.6	132.7	161.2	189.8	218.3	246.7	275.2	303.7
107.5°	195.5	211.6	227.9	244.0	260.1	286.9	313.6	340.5	367.3	394.1	420.8
110°	300.2	314.0	328.0	341.9	355.9	377.1	398.4	419.7	440.9	462.4	483.6



TEST NUMBER: P1444570  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL12

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	361.2	369.6	378.2	386.6	395.2	410.8	426.4	442.0	457.7	473.2	488.8
115°	376.9	381.3	385.9	390.4	394.9	404.4	413.8	423.3	432.7	442.0	451.6
117.5°	366.0	367.7	369.2	370.8	372.4	377.3	382.2	387.0	391.9	396.8	401.7
120°	339.4	339.3	339.2	339.0	338.9	340.4	342.0	343.6	345.1	346.6	348.1
122.5°	309.3	308.2	307.2	306.1	305.0	304.5	304.0	303.5	303.1	302.5	302.1
125°	280.8	279.8	278.6	277.6	276.4	275.1	273.9	272.4	271.1	269.8	268.5
127.5°	256.5	255.5	254.5	253.5	252.5	251.0	249.6	248.0	246.6	245.1	243.5
130°	236.2	235.6	234.9	234.0	233.4	232.0	230.7	229.5	228.1	226.9	225.5
132.5°	221.6	221.1	220.6	220.0	219.5	218.4	217.3	216.0	214.8	213.6	212.6
135°	210.1	209.8	209.6	209.3	208.9	208.0	207.2	206.3	205.5	204.6	203.7
137.5°	200.7	200.6	200.6	200.4	200.4	199.6	198.9	198.1	197.5	196.8	196.1
140°	194.5	194.5	194.5	194.4	194.3	193.5	192.8	191.9	191.2	190.5	189.7
142.5°	188.1	188.2	188.1	188.1	188.0	187.3	186.8	186.2	185.7	185.1	184.5
145°	183.4	183.5	183.7	183.6	183.7	183.0	182.3	181.5	180.9	180.1	179.6
147.5°	179.0	179.0	179.1	179.3	179.4	178.7	178.2	177.5	177.0	176.3	175.9
150°	175.5	175.5	175.5	175.5	175.5	174.9	174.4	173.7	173.2	172.5	172.0
152.5°	172.2	172.3	172.3	172.3	172.4	171.8	171.1	170.5	169.8	169.1	168.6
155°	169.2	169.2	169.2	169.2	169.2	168.7	168.1	167.5	166.9	166.3	165.7
157.5°	166.7	166.8	166.9	166.9	167.0	166.5	166.0	165.4	164.9	164.3	163.8
160°	164.8	164.9	165.0	165.1	165.1	164.7	164.3	163.8	163.5	163.0	162.5
162.5°	163.6	163.8	163.8	163.9	164.0	163.6	163.2	162.8	162.3	161.9	161.4
165°	162.1	162.1	162.2	162.1	162.1	161.8	161.6	161.3	161.0	160.7	160.4
167.5°	162.2	162.1	162.2	162.2	162.2	162.0	161.9	161.5	161.3	161.1	160.9
170°	161.9	161.8	161.8	161.9	161.8	161.6	161.4	161.2	161.1	160.7	160.5
172.5°	161.5	161.4	161.3	161.3	161.1	161.0	160.8	160.7	160.6	160.5	160.3
175°	161.1	161.1	160.9	160.9	160.7	160.7	160.7	160.6	160.5	160.5	160.4
177.5°	162.2	162.1	161.8	161.6	161.5	161.4	161.3	161.3	161.3	161.2	161.1
180°	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6



TEST NUMBER: P1444570  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL12

**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°	25.4	29.9	31.0	30.2	28.4	27.4	25.6	24.9	23.3	22.5	20.9
92.5°	33.4	35.4	37.3	35.6	33.8	32.0	30.3	28.5	26.7	24.9	23.2
95°	41.7	44.5	47.3	45.0	42.5	40.2	37.8	35.6	33.2	30.8	28.5
97.5°	46.9	50.2	53.5	51.2	48.8	46.4	44.0	41.7	39.4	37.0	34.7
100°	81.2	88.9	96.6	89.9	83.2	76.5	69.8	63.2	56.5	49.8	43.1
102.5°	184.1	202.8	221.6	204.7	187.9	170.9	154.0	137.2	120.3	103.3	86.5
105°	332.1	360.5	388.9	363.1	337.3	311.5	285.7	260.0	234.3	208.4	182.7
107.5°	447.6	474.1	500.8	477.4	454.2	430.8	407.5	384.3	361.0	337.6	314.4
110°	504.8	525.7	546.8	531.1	515.6	499.9	484.3	468.5	452.9	437.4	421.8



TEST NUMBER: P1444570  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL12

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	504.4	519.5	534.9	525.7	516.6	507.5	498.3	489.2	480.0	471.0	461.9
115°	460.9	469.7	479.0	475.3	471.7	468.1	464.4	460.9	457.3	453.7	450.2
117.5°	406.4	410.6	415.3	414.6	413.9	413.2	412.6	412.0	411.3	410.7	410.1
120°	349.7	350.5	351.8	352.0	352.6	353.0	353.6	354.0	354.6	355.0	355.6
122.5°	301.6	300.3	299.5	299.9	300.4	300.7	301.3	301.6	302.1	302.5	303.1
125°	267.1	264.8	263.3	262.7	262.1	261.4	260.8	260.1	259.5	258.9	258.3
127.5°	242.0	239.7	237.8	236.4	235.0	233.4	232.0	230.5	229.2	227.6	226.2
130°	224.3	221.9	220.4	218.6	216.8	214.8	213.1	211.3	209.4	207.7	205.8
132.5°	211.4	209.1	207.8	206.0	204.3	202.5	200.8	198.9	197.2	195.4	193.7
135°	202.8	200.9	199.7	198.0	196.7	195.0	193.3	191.7	190.2	188.5	187.0
137.5°	195.3	193.4	192.4	191.2	190.0	188.6	187.4	186.1	184.9	183.4	182.3
140°	188.9	186.8	185.8	185.3	184.5	183.8	183.0	182.3	181.5	180.8	180.1
142.5°	183.9	182.0	181.1	180.7	180.3	179.8	179.5	179.0	178.5	177.9	177.5
145°	178.8	176.6	175.7	175.5	175.6	175.5	175.5	175.4	175.4	175.3	175.3
147.5°	175.2	173.1	172.1	172.2	172.3	172.4	172.5	172.5	172.6	172.7	172.8
150°	171.2	168.8	167.7	167.9	168.1	168.3	168.6	168.8	169.0	169.1	169.3
152.5°	167.9	164.9	163.6	163.8	164.1	164.3	164.6	164.8	165.1	165.4	165.7
155°	165.0	161.8	160.5	160.6	160.6	160.8	160.8	161.0	161.1	161.3	161.5
157.5°	163.2	159.9	158.7	158.6	158.6	158.6	158.7	158.7	158.8	158.9	159.0
160°	162.1	158.7	157.6	157.5	157.5	157.5	157.5	157.5	157.6	157.7	157.7
162.5°	160.9	157.7	156.5	156.5	156.4	156.4	156.5	156.3	156.4	156.5	156.5
165°	160.0	157.3	156.3	156.2	156.3	156.3	156.4	156.5	156.6	156.7	156.9
167.5°	160.6	158.1	157.4	157.3	157.1	157.0	157.0	156.9	156.9	156.8	156.8
170°	160.2	158.2	157.6	157.6	157.7	157.6	157.6	157.7	157.7	157.7	157.8
172.5°	160.1	158.6	158.2	158.2	158.4	158.5	158.7	158.7	158.9	159.0	159.2
175°	160.3	159.5	159.3	159.3	159.3	159.4	159.5	159.5	159.6	159.7	159.8
177.5°	161.1	160.8	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.7	160.7
180°	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6



TEST NUMBER: P1444570  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL12

**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°	20.2	19.2	19.0	17.9	18.0	16.7	17.0	16.0	16.5	15.1	17.1
92.5°	21.4	20.4	19.5	18.6	17.6	16.7	15.7	14.7	13.9	12.9	13.9
95°	26.1	25.2	24.4	23.5	22.6	21.8	20.9	20.0	19.2	18.3	19.4
97.5°	32.3	31.8	31.3	30.7	30.3	29.8	29.3	28.7	28.2	27.7	28.4
100°	36.4	36.4	36.4	36.4	36.3	36.3	36.3	36.3	36.3	36.3	36.9
102.5°	69.6	68.0	66.3	64.5	62.9	61.1	59.4	57.8	56.1	54.4	56.9
105°	157.0	150.4	143.8	137.1	130.4	123.9	117.3	110.6	104.0	97.4	104.2
107.5°	291.1	279.1	267.0	255.0	242.9	230.8	218.9	206.9	194.8	182.8	193.6
110°	406.2	393.4	380.6	367.9	355.0	342.3	329.6	316.8	304.0	291.2	301.5



TEST NUMBER: P1444570  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL12

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	452.7	444.4	436.2	427.9	419.6	411.5	403.2	395.0	386.8	378.6	383.6
115°	446.5	442.6	438.7	434.8	430.8	426.9	423.0	419.0	415.2	411.3	411.6
117.5°	409.5	408.1	406.9	405.5	404.2	402.9	401.7	400.4	399.1	397.9	395.2
120°	356.2	356.5	356.8	357.4	357.7	358.2	358.5	359.1	359.6	360.1	356.4
122.5°	303.5	304.4	305.4	306.5	307.4	308.4	309.4	310.6	311.7	312.8	309.0
125°	257.7	258.6	259.5	260.6	261.5	262.5	263.5	264.7	265.7	266.9	263.7
127.5°	224.8	225.1	225.3	225.7	226.0	226.5	226.9	227.4	227.9	228.5	226.5
130°	204.0	203.5	203.2	202.8	202.4	202.3	202.1	201.8	201.7	201.5	200.6
132.5°	191.9	191.1	190.3	189.4	188.6	187.9	187.2	186.6	185.9	185.5	185.2
135°	185.4	184.2	183.0	181.9	180.7	180.0	178.9	178.0	177.1	176.2	176.4
137.5°	180.9	179.9	178.7	177.6	176.4	175.4	174.5	173.5	172.6	171.8	172.1
140°	179.4	178.2	177.0	175.9	174.9	173.9	172.9	172.0	171.0	170.3	170.5
142.5°	177.0	176.0	174.9	174.0	173.0	172.1	171.2	170.3	169.5	168.9	169.1
145°	175.2	174.5	173.7	172.9	172.2	171.7	170.9	170.4	169.8	169.3	169.4
147.5°	172.8	172.3	171.6	171.1	170.5	170.1	169.5	169.1	168.7	168.4	168.5
150°	169.5	169.2	168.8	168.5	168.1	167.8	167.5	167.2	166.9	166.7	166.6
152.5°	165.9	165.6	165.2	164.9	164.6	164.3	164.0	163.8	163.6	163.4	163.4
155°	161.7	161.5	161.4	161.2	161.1	161.0	160.9	160.9	160.8	160.7	160.7
157.5°	159.1	159.0	159.0	159.1	159.0	159.1	159.0	159.1	159.1	159.2	159.3
160°	157.9	157.9	157.7	157.8	157.6	157.6	157.5	157.6	157.5	157.5	157.7
162.5°	156.6	156.8	156.8	156.9	157.0	157.1	157.2	157.3	157.4	157.6	157.7
165°	157.0	156.9	156.9	156.9	156.9	156.9	156.9	157.0	157.0	157.1	157.3
167.5°	156.8	156.9	157.0	157.0	157.1	157.3	157.5	157.6	157.7	158.0	158.1
170°	157.8	157.8	157.8	157.8	157.8	157.9	157.9	157.9	158.0	158.0	158.1
172.5°	159.3	159.3	159.2	159.3	159.2	159.3	159.3	159.3	159.3	159.4	159.5
175°	159.8	160.0	160.1	160.1	160.2	160.3	160.4	160.4	160.5	160.6	160.6
177.5°	160.7	160.7	160.7	160.7	160.7	160.8	160.8	160.8	160.8	160.7	160.8
180°	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6



TEST NUMBER: P1444570  
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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°	17.1	18.8	19.0	20.5	20.8	22.6	23.0	24.7	24.9	26.8	27.2
92.5°	14.7	15.7	16.7	17.6	18.6	19.5	20.4	21.4	23.5	25.4	27.6
95°	20.4	21.6	22.7	23.8	24.9	26.0	27.1	28.2	31.2	34.2	37.2
97.5°	29.2	29.9	30.6	31.3	32.1	32.8	33.6	34.3	37.5	40.8	44.0
100°	37.5	38.1	38.7	39.3	39.9	40.5	41.1	41.6	47.9	54.2	60.4
102.5°	59.4	61.9	64.3	66.9	69.4	71.9	74.5	76.9	91.3	105.5	119.8
105°	111.1	117.9	124.8	131.6	138.5	145.3	152.2	158.9	181.8	204.7	227.6
107.5°	204.3	215.1	225.9	236.7	247.5	258.3	269.0	279.9	302.2	324.6	346.8
110°	311.8	322.0	332.3	342.6	352.9	363.1	373.5	383.8	397.2	410.6	424.0



TEST NUMBER: P1444570  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL12

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	388.6	393.5	398.5	403.6	408.6	413.6	418.6	423.8	430.4	437.1	443.9
115°	412.0	412.3	412.6	412.9	413.1	413.5	413.9	414.3	416.5	418.5	420.8
117.5°	392.3	389.7	386.8	384.2	381.4	378.8	376.0	373.5	373.0	372.6	372.2
120°	352.8	349.1	345.5	341.6	338.1	334.5	330.9	327.4	325.5	323.7	321.9
122.5°	305.4	301.7	298.1	294.4	290.8	287.2	283.8	280.2	279.0	277.7	276.5
125°	260.6	257.7	254.6	251.5	248.6	245.7	242.8	240.0	239.9	239.8	239.8
127.5°	224.6	222.8	221.0	219.1	217.4	215.7	214.0	212.4	213.2	213.9	214.7
130°	199.8	198.9	198.2	197.4	196.8	196.2	195.6	194.9	196.3	197.6	199.1
132.5°	185.1	185.0	184.9	184.8	184.8	184.9	184.9	185.0	186.6	188.1	189.8
135°	176.5	176.8	177.2	177.4	177.9	178.2	178.6	179.0	180.6	182.1	183.7
137.5°	172.6	172.9	173.4	173.9	174.4	174.8	175.5	176.0	177.3	178.5	179.8
140°	170.8	171.1	171.5	171.9	172.3	172.8	173.3	173.7	174.7	175.6	176.6
142.5°	169.3	169.5	170.0	170.3	170.8	171.1	171.6	172.0	172.8	173.4	174.3
145°	169.6	169.8	170.1	170.3	170.6	171.0	171.2	171.6	172.1	172.5	173.0
147.5°	168.6	168.7	168.9	169.1	169.3	169.5	169.7	169.9	170.2	170.5	170.8
150°	166.7	166.8	166.9	166.9	167.0	167.2	167.4	167.4	167.7	168.0	168.2
152.5°	163.5	163.5	163.5	163.5	163.6	163.8	163.8	163.9	164.2	164.5	164.7
155°	160.9	161.0	161.2	161.3	161.5	161.6	161.8	161.9	162.1	162.2	162.4
157.5°	159.4	159.5	159.7	159.8	160.0	160.1	160.2	160.4	160.6	160.7	160.8
160°	157.9	158.0	158.2	158.5	158.7	158.8	159.1	159.3	159.5	159.6	159.8
162.5°	157.9	158.0	158.1	158.2	158.3	158.5	158.6	158.8	159.1	159.3	159.4
165°	157.5	157.7	158.0	158.0	158.3	158.5	158.7	159.0	159.1	159.2	159.4
167.5°	158.2	158.4	158.7	158.8	159.1	159.3	159.5	159.7	159.8	159.9	160.1
170°	158.4	158.5	158.7	158.9	159.1	159.2	159.5	159.6	159.9	160.1	160.2
172.5°	159.7	159.7	159.9	160.0	160.2	160.3	160.5	160.7	160.9	161.1	161.1
175°	160.6	160.6	160.6	160.7	160.7	160.7	160.7	160.8	160.9	160.9	160.9
177.5°	160.9	160.9	161.0	161.1	161.2	161.2	161.3	161.4	161.4	161.4	161.4
180°	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6



TEST NUMBER: P1444570  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL12

**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°	29.5	30.2	32.4	33.1	35.9	36.9	37.6	36.4	37.0	35.9	36.5
92.5°	29.6	31.7	33.8	35.9	37.9	40.0	38.1	36.1	34.3	32.3	30.5
95°	40.2	43.2	46.2	49.2	52.2	55.2	52.0	48.7	45.5	42.2	39.1
97.5°	47.2	50.4	53.6	56.9	60.1	63.4	59.5	55.7	51.9	48.1	44.4
100°	66.7	72.9	79.2	85.4	91.7	97.9	90.9	83.7	76.7	69.5	62.5
102.5°	134.2	148.5	162.8	177.2	191.4	205.8	190.7	175.6	160.6	145.5	130.3
105°	250.5	273.5	296.4	319.2	342.1	365.1	340.8	316.3	291.7	267.4	242.9
107.5°	369.2	391.5	414.0	436.2	458.6	481.0	456.3	431.4	406.7	381.9	357.2
110°	437.5	450.9	464.3	477.8	491.2	504.8	486.7	468.6	450.6	432.4	414.2



TEST NUMBER: P1444570  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL12

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	450.6	457.3	464.0	470.9	477.6	484.4	471.4	458.5	445.5	432.6	419.7
115°	423.0	425.0	427.2	429.5	431.6	433.8	425.0	416.3	407.5	398.9	390.1
117.5°	371.8	371.6	371.2	370.9	370.4	370.1	365.2	360.4	355.4	350.6	345.6
120°	320.1	318.4	316.6	314.8	313.0	311.2	309.1	307.1	305.0	302.9	300.7
122.5°	275.1	274.1	272.8	271.5	270.2	268.9	268.2	267.4	266.6	265.7	264.9
125°	239.8	239.8	239.7	239.6	239.6	239.5	239.1	238.6	238.3	237.8	237.3
127.5°	215.5	216.3	217.1	217.9	218.7	219.3	219.1	219.1	219.0	218.9	218.8
130°	200.5	201.9	203.2	204.6	205.9	207.3	207.1	206.9	206.5	206.3	206.1
132.5°	191.4	192.9	194.5	196.2	197.6	199.2	198.9	198.6	198.2	198.0	197.7
135°	185.2	186.7	188.2	189.8	191.2	192.6	192.2	191.8	191.4	191.2	190.8
137.5°	180.9	182.1	183.2	184.4	185.6	186.7	186.2	185.9	185.6	185.2	184.9
140°	177.6	178.5	179.4	180.4	181.2	182.2	181.7	181.2	180.7	180.2	179.8
142.5°	174.8	175.6	176.2	177.0	177.6	178.4	177.7	177.0	176.3	175.7	175.0
145°	173.5	174.0	174.4	174.8	175.2	175.7	174.8	174.2	173.4	172.6	171.8
147.5°	171.1	171.4	171.6	171.8	172.0	172.4	171.6	170.8	170.1	169.3	168.6
150°	168.4	168.8	169.0	169.1	169.3	169.5	168.8	168.0	167.2	166.4	165.7
152.5°	164.9	165.2	165.4	165.5	165.7	165.9	165.2	164.5	163.7	163.0	162.3
155°	162.5	162.7	162.8	162.9	163.0	163.1	162.4	161.9	161.3	160.6	160.0
157.5°	160.9	161.1	161.2	161.3	161.4	161.5	161.0	160.5	160.0	159.6	159.0
160°	159.9	160.0	160.1	160.2	160.3	160.4	159.9	159.6	159.2	158.8	158.3
162.5°	159.6	159.9	160.1	160.1	160.4	160.5	160.1	159.7	159.1	158.6	158.1
165°	159.5	159.6	159.7	159.8	159.9	160.0	159.6	159.3	159.0	158.7	158.3
167.5°	160.2	160.3	160.4	160.5	160.5	160.6	160.3	160.1	159.7	159.3	159.0
170°	160.4	160.6	160.8	160.8	161.0	161.1	160.9	160.6	160.3	160.1	159.8
172.5°	161.3	161.5	161.6	161.7	161.8	162.0	161.7	161.4	161.1	160.8	160.5
175°	160.9	161.0	161.1	161.1	161.1	161.1	160.9	160.7	160.4	160.2	160.0
177.5°	161.4	161.4	161.4	161.4	161.4	161.4	161.3	161.1	161.0	160.8	160.6
180°	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6



TEST NUMBER: P1444570  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL12

**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°	35.4	36.1	35.0	35.9	35.3	36.5	36.3	37.6	37.1	38.2	37.4
92.5°	28.5	26.6	24.7	22.8	21.8	20.8	20.0	18.9	18.1	17.0	16.0
95°	35.9	32.6	29.4	26.1	25.0	24.0	22.9	21.8	20.6	19.5	18.5
97.5°	40.6	36.7	32.9	29.1	28.1	27.2	26.1	25.1	24.3	23.3	22.3
100°	55.3	48.2	41.1	34.0	33.2	32.4	31.5	30.7	30.0	29.1	28.2
102.5°	115.3	100.3	85.2	70.0	67.2	64.3	61.5	58.5	55.6	52.7	49.9
105°	218.6	194.0	169.5	145.1	137.3	129.6	121.8	114.0	106.2	98.4	90.7
107.5°	332.3	307.5	282.7	257.8	243.5	229.1	214.7	200.4	185.9	171.6	157.3
110°	396.2	378.0	359.9	341.7	330.2	318.7	307.1	295.5	284.0	272.4	260.8



TEST NUMBER: P1444570  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL12

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	406.8	393.7	380.7	367.7	362.5	357.3	352.0	346.7	341.5	336.2	330.9
115°	381.3	372.6	363.7	354.9	353.1	351.3	349.5	347.6	345.7	343.8	341.9
117.5°	340.8	335.7	330.8	325.9	326.1	326.4	326.8	327.1	327.3	327.5	327.8
120°	298.6	296.5	294.4	292.3	293.9	295.5	297.1	298.6	300.2	301.7	303.1
122.5°	264.0	263.3	262.4	261.5	263.4	265.4	267.3	269.1	270.9	272.7	274.4
125°	236.9	236.5	236.0	235.6	237.5	239.5	241.4	243.2	245.1	246.8	248.6
127.5°	218.7	218.6	218.5	218.3	219.7	221.0	222.4	223.7	224.9	226.1	227.4
130°	205.9	205.5	205.3	205.1	206.3	207.6	208.7	209.9	211.1	212.2	213.2
132.5°	197.4	197.0	196.8	196.5	197.3	198.2	199.1	199.8	200.7	201.4	202.0
135°	190.4	190.0	189.6	189.2	190.0	190.9	191.6	192.3	193.0	193.6	194.3
137.5°	184.5	184.0	183.7	183.2	184.0	184.7	185.5	186.0	186.6	187.2	187.8
140°	179.3	178.8	178.3	177.8	178.4	179.1	179.7	180.3	180.8	181.3	181.8
142.5°	174.4	173.6	173.1	172.3	172.8	173.3	173.7	174.1	174.6	174.8	175.1
145°	171.0	170.2	169.4	168.7	169.0	169.2	169.7	170.0	170.3	170.5	170.8
147.5°	167.9	167.1	166.3	165.5	165.9	166.1	166.4	166.5	166.9	167.0	167.2
150°	164.8	164.0	163.3	162.4	162.7	162.9	163.1	163.3	163.5	163.5	163.7
152.5°	161.5	160.7	159.9	159.1	159.3	159.4	159.6	159.7	159.9	160.0	160.1
155°	159.3	158.6	158.0	157.4	157.5	157.7	157.8	157.9	157.9	158.0	158.0
157.5°	158.5	158.0	157.5	156.9	157.0	157.0	157.0	156.9	157.0	157.0	156.9
160°	158.0	157.5	157.1	156.5	156.5	156.6	156.5	156.5	156.5	156.4	156.3
162.5°	157.7	157.1	156.6	156.1	156.1	156.1	156.1	156.0	156.0	156.0	155.8
165°	158.0	157.7	157.3	156.8	156.8	156.7	156.7	156.5	156.4	156.3	156.1
167.5°	158.6	158.2	158.0	157.5	157.6	157.5	157.5	157.5	157.5	157.4	157.4
170°	159.5	159.1	158.8	158.5	158.4	158.4	158.3	158.2	158.1	158.0	158.0
172.5°	160.2	159.9	159.6	159.2	159.2	159.1	159.1	159.0	158.9	158.8	158.8
175°	159.8	159.5	159.2	159.0	158.9	158.9	158.9	158.8	158.7	158.7	158.6
177.5°	160.4	160.3	160.1	160.0	159.9	159.9	159.9	159.8	159.8	159.8	159.8
180°	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6



TEST NUMBER: P1444570  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL12

**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°	38.4	37.4
92.5°	15.2	14.3
95°	17.4	16.3
97.5°	21.4	20.4
100°	27.4	26.6
102.5°	47.1	44.2
105°	82.9	75.1
107.5°	142.8	128.5
110°	249.2	237.6



TEST NUMBER: P1444570  
CATALOG NUMBER: EHBR1-12-UNV-TA-L850-UPL12

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	325.7	320.4
115°	340.0	338.1
117.5°	328.0	328.2
120°	304.5	306.0
122.5°	276.2	277.9
125°	250.3	252.1
127.5°	228.5	229.6
130°	214.0	215.0
132.5°	202.6	203.1
135°	194.8	195.3
137.5°	188.2	188.6
140°	182.1	182.5
142.5°	175.4	175.6
145°	171.0	171.1
147.5°	167.1	167.3
150°	163.7	163.8
152.5°	160.1	160.2
155°	158.0	158.0
157.5°	156.8	156.7
160°	156.2	156.2
162.5°	155.8	155.7
165°	155.9	155.8
167.5°	157.2	157.2
170°	157.9	157.8
172.5°	158.7	158.6
175°	158.6	158.6
177.5°	159.8	159.7
180°	160.6	160.6

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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



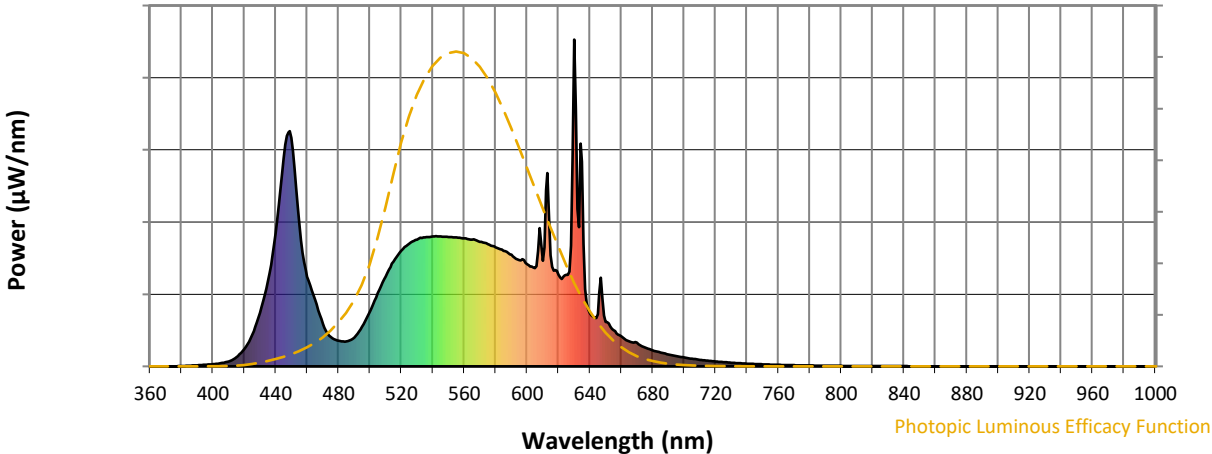
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-4

**Photopic Flux vs. Wavelength**



**Photopic Lumens: NR**

$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /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**

$\lambda$ (nm)	Power $W^{\wedge}/nm$	Lumens ( $\phi/nm$ )	$\lambda$ (nm)	Power $W^{\wedge}/nm$	Lumens ( $\phi/nm$ )	$\lambda$ (nm)	Power $W^{\wedge}/nm$	Lumens ( $\phi/nm$ )	$\lambda$ (nm)	Power $W^{\wedge}/nm$	Lumens ( $\phi/nm$ )	$\lambda$ (nm)	Power $W^{\wedge}/nm$	Lumens ( $\phi/nm$ )
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**

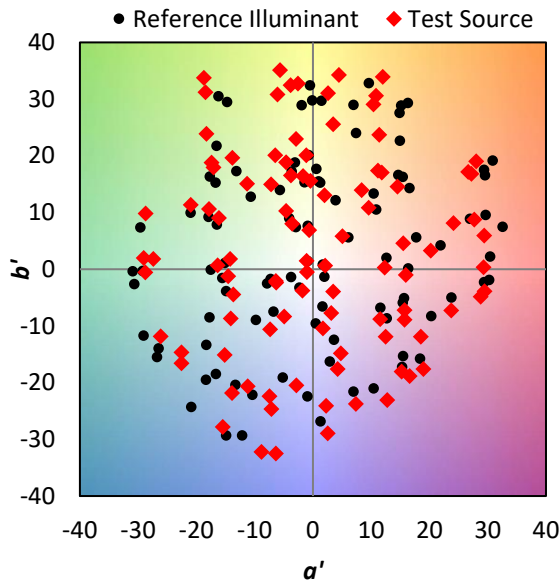
$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)
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**

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

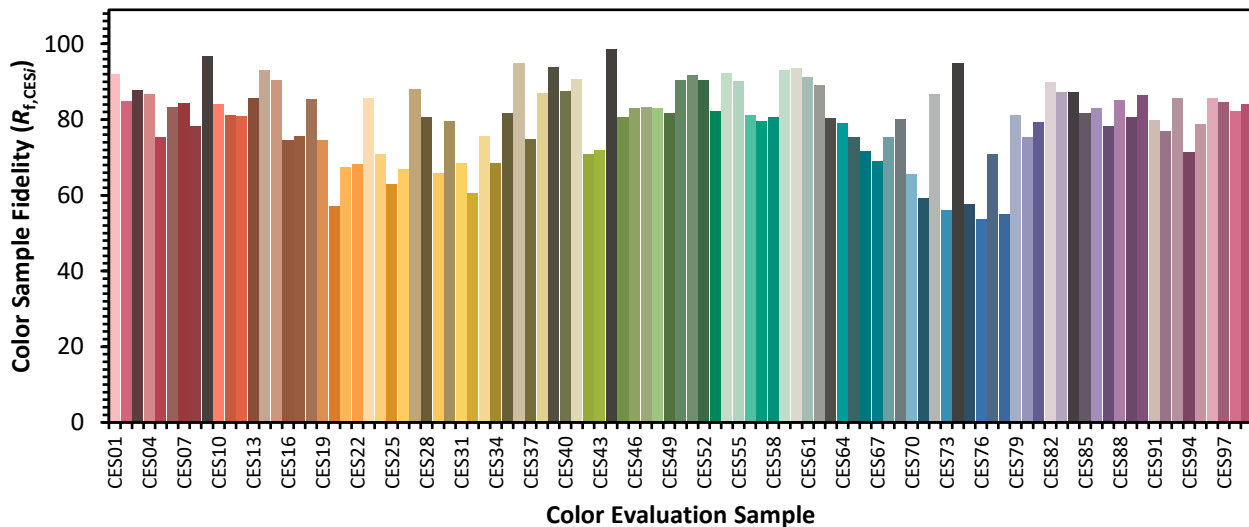


**Color Vector Graphics**

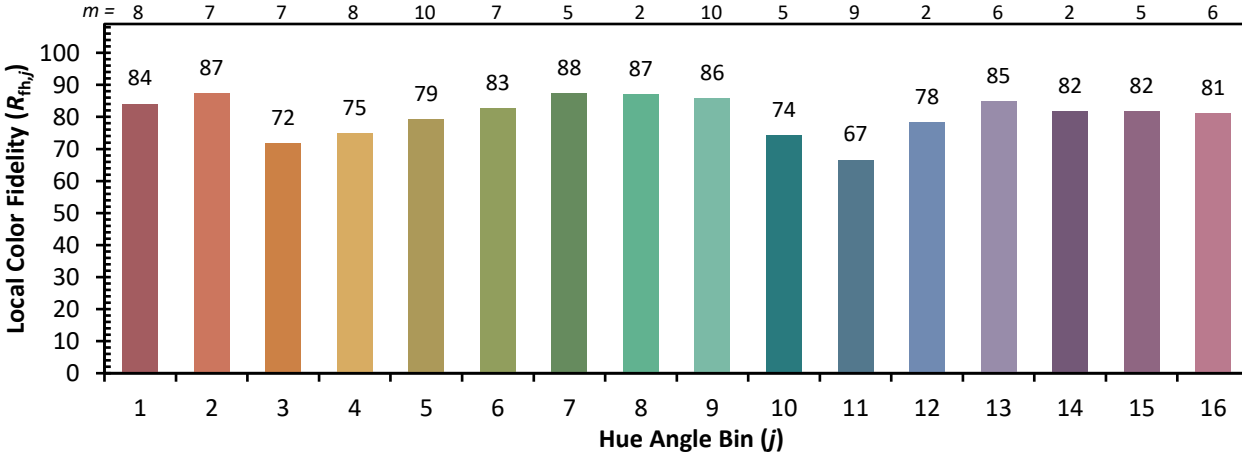


**Individual Sample Fidelity Index ( $R_{f,i}$ )**

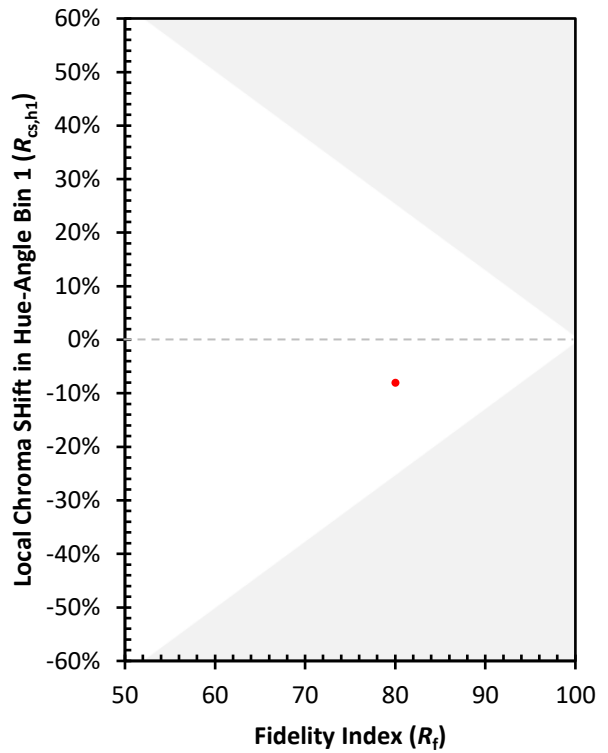
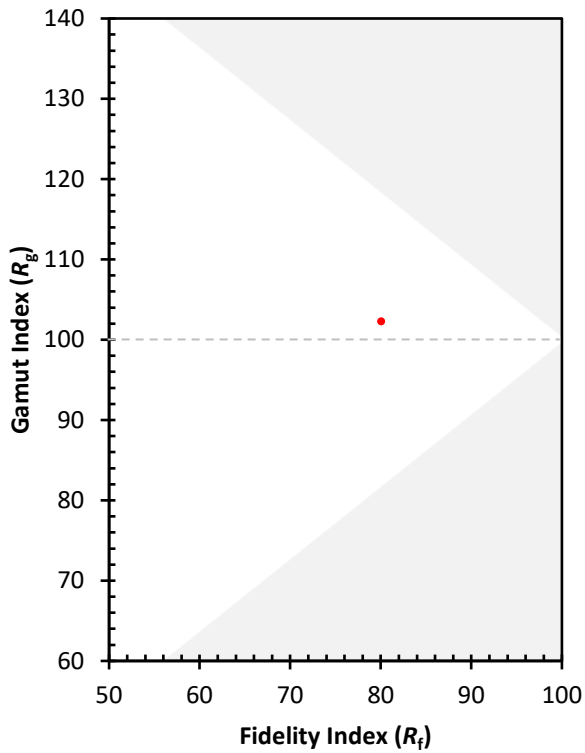
CES01 = 85	CES26 = 67	CES51 = 92	CES76 = 54
CES02 = 60	CES27 = 88	CES52 = 91	CES77 = 71
CES03 = 31	CES28 = 81	CES53 = 82	CES78 = 55
CES04 = 69	CES29 = 66	CES54 = 92	CES79 = 81
CES05 = 47	CES30 = 80	CES55 = 90	CES80 = 75
CES06 = 50	CES31 = 69	CES56 = 81	CES81 = 79
CES07 = 40	CES32 = 61	CES57 = 80	CES82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