

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: P1444419

Luminaire Tested: EHBR1-60-UNV-TA-L840-UPL12

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444419
REPORT IS A COMBINATION OF REPORTS P1444308 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-60-UNV-TA-L840-UPL12
Description: Elevate Round Highbay at, 60000 lumens, 4000K 80CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

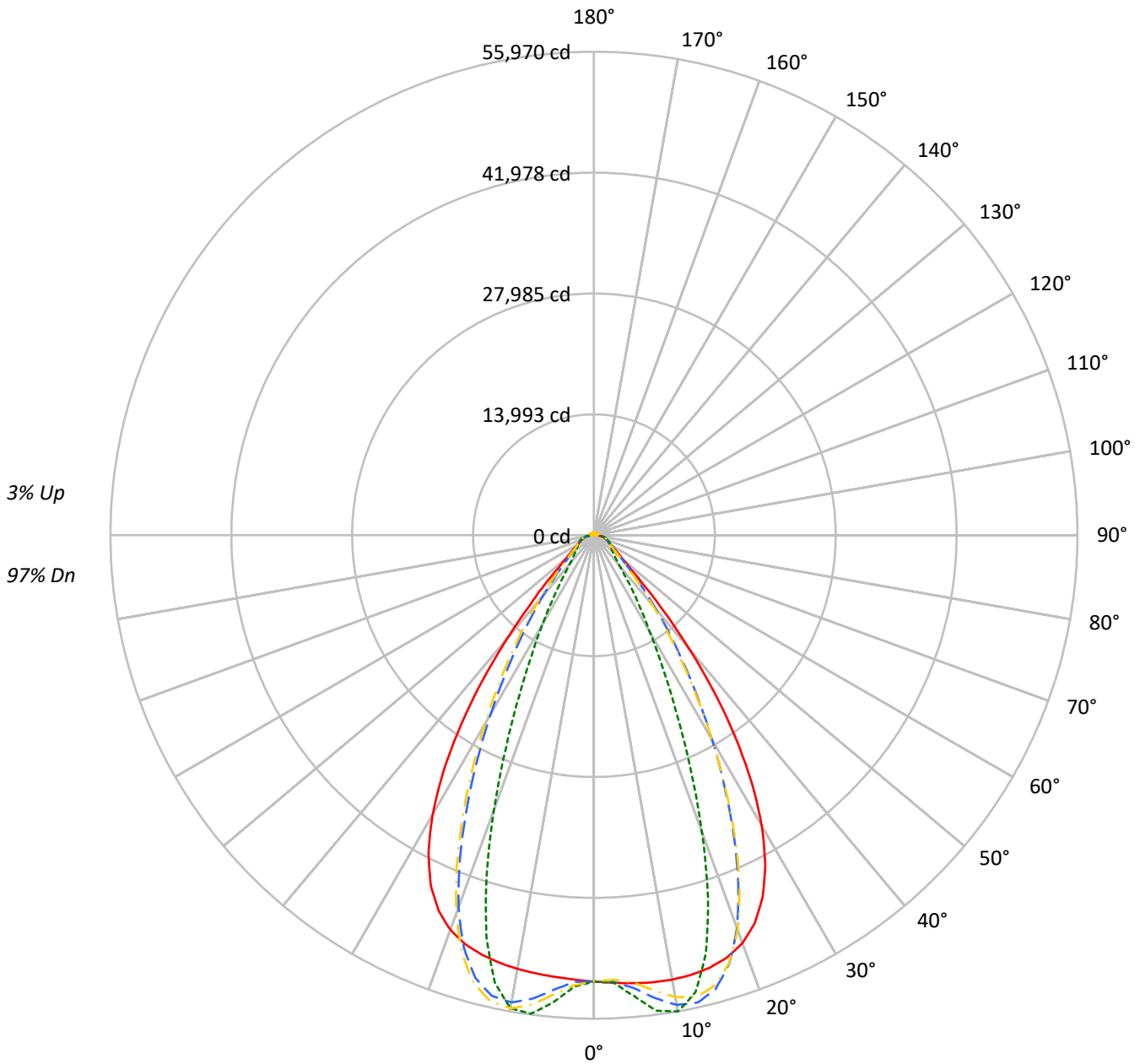
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 61035.4 lumens
Efficiency: N/A
Efficacy: 180.7 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): 337.8
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	118	118	118	118	115	115	115	115	110	110	110	104	104	104	100	100	100	100	100	100	97
1	111	108	105	102	109	105	103	100	101	99	97	97	95	93	93	91	90	93	91	90	88
2	105	99	94	90	102	97	92	89	93	89	86	90	87	84	86	84	82	86	84	82	80
3	98	91	85	80	96	89	84	79	86	81	78	83	79	76	80	77	75	80	77	75	73
4	93	84	77	72	90	82	76	72	80	75	71	77	73	70	75	71	68	75	71	68	67
5	87	78	71	66	85	77	70	66	74	69	65	72	68	64	70	66	63	70	66	63	61
6	82	72	65	61	81	71	65	60	69	64	60	68	63	59	66	62	58	66	62	58	57
7	78	67	61	56	76	67	60	56	65	59	55	64	58	55	62	58	54	62	58	54	53
8	74	63	57	52	72	62	56	52	61	55	51	60	55	51	59	54	51	59	54	51	49
9	70	59	53	48	69	59	52	48	57	52	48	56	51	48	55	51	47	55	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	52	48	44	52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	242624	242624	242624	242624
5°	243799	250908	240387	254195
10°	245834	263434	239939	261691
15°	247040	238801	239519	229186
20°	244486	177898	236484	164599
25°	231416	112511	223768	102084
30°	202159	67611	194329	61790
35°	155583	42426	146634	37582
40°	98420	26612	90046	25008
45°	50728	20733	49887	20392
50°	29741	18441	28829	18153
55°	22785	17447	21942	17290
60°	19279	17823	18458	17592
65°	18108	18612	17415	17977
70°	17691	19490	16810	18757
75°	18916	20669	17894	19755
80°	19575	22887	17747	20893
85°	18435	22083	14897	18909

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 77632 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5091.7	8.3
10°-20°	14323.5	23.5
20°-30°	16313.4	26.7
30°-40°	11725.3	19.2
40°-50°	5407.7	8.9
50°-60°	2587.8	4.2
60°-70°	1888.2	3.1
70°-80°	1434.5	2.4
80°-90°	654.6	1.1
90°-100°	53.2	0.1
100°-110°	227.9	0.4
110°-120°	419.5	0.7
120°-130°	277.1	0.5
130°-140°	204.7	0.3
140°-150°	173.0	0.3
150°-160°	134.2	0.2
160°-170°	87.7	0.1
170°-180°	31.4	0.1
0°-30°	35728.6	58.5
0°-40°	47453.9	77.7
0°-60°	55449.4	90.8
0°-90°	59426.7	97.4
90°-120°	700.7	1.1
90°-150°	1355.4	2.2
90°-180°	1609.0	2.6
0°-180°	61035.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	51665	51665	51665	51665	51665	
5°	52055	53573	51326	54275	52055	4974
15°	51828	50099	50250	48082	51828	14603
25°	46214	22468	44686	20386	46214	20950
35°	28555	7787	26912	6898	28555	17525
45°	8208	3354	8072	3299	8208	6981
55°	3079	2358	2965	2337	3079	2842
65°	1890	1943	1818	1876	1890	1888
75°	1332	1456	1260	1392	1332	1386
85°	634	759	512	650	634	595
90°	152	198	30	41	152	98
95°	24	25	24	26	24	22
105°	90	109	64	110	90	116
115°	374	436	392	436	374	348
125°	311	296	348	299	311	283
135°	284	225	302	231	284	220
145°	286	253	300	261	286	180
155°	291	280	305	286	291	135
165°	311	303	320	307	311	88
175°	330	330	334	332	330	31
180°	335	335	335	335	335	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1
2.5°	51862.5	51858.4	51857.6	51853.9	51852.9	51852.9	51851.2	51847.1	51844.3	51838.4	51831.7
5°	52054.9	52052.7	52054.0	52054.4	52050.8	52042.7	52030.1	52014.6	51995.1	51976.6	51960.2
7.5°	52203.7	52207.4	52212.0	52211.0	52199.7	52180.7	52154.9	52140.4	52149.0	52177.1	52241.5
10°	52230.9	52253.2	52261.8	52259.0	52236.5	52220.2	52226.5	52281.3	52390.2	52535.6	52734.4
12.5°	52125.0	52152.3	52151.3	52142.3	52120.5	52142.7	52221.9	52384.9	52618.4	52905.1	53241.4
15°	51827.7	51862.9	51852.9	51841.3	51826.7	51899.6	52058.0	52341.1	52701.8	53106.0	53519.8
17.5°	51250.3	51292.9	51272.2	51259.0	51246.7	51383.4	51655.6	52069.9	52524.3	52981.5	53373.7
20°	50248.9	50277.5	50228.3	50205.1	50224.6	50492.5	50893.3	51422.5	51901.4	52333.8	52601.8
22.5°	48614.7	48650.1	48557.6	48546.9	48661.0	49072.5	49579.5	50171.2	50621.2	50963.9	51067.1
25°	46213.6	46248.4	46138.5	46204.2	46398.4	46958.8	47562.7	48195.6	48579.4	48833.4	48763.3
27.5°	42972.6	43004.4	42900.3	43034.3	43341.2	44077.7	44788.4	45474.8	45817.0	45994.9	45769.6
30°	38885.1	38951.2	38828.1	39015.2	39483.7	40439.8	41254.1	42023.8	42365.1	42500.5	42149.7
32.5°	34030.4	34124.5	33988.7	34267.2	34920.8	36069.3	36994.4	37854.5	38231.8	38386.4	37990.2
35°	28555.0	28689.8	28534.1	28951.9	29758.2	31037.1	32061.5	33021.7	33468.6	33687.7	33288.5
37.5°	22754.0	22882.5	22798.3	23355.6	24241.0	25566.6	26612.3	27648.1	28152.9	28481.6	28166.8
40°	17058.7	17176.3	17240.0	17877.5	18710.2	19959.5	20963.9	21988.8	22553.5	22966.2	22772.0
42.5°	12040.1	12158.7	12375.4	12990.4	13684.9	14719.0	15579.4	16499.6	17039.0	17479.2	17404.3
45°	8207.5	8345.1	8616.7	9120.3	9622.5	10364.4	10996.2	11711.9	12152.5	12555.7	12560.5
47.5°	5751.4	5848.1	6090.7	6434.6	6762.0	7690.9	7728.9	8080.7	8376.9	8678.3	8717.4
50°	4432.5	4490.8	4619.4	4811.0	4996.6	5237.6	5458.5	5713.3	5895.6	6060.9	6100.3
52.5°	3643.2	3680.2	3745.7	3849.4	3957.1	4088.3	4206.3	4346.4	4445.6	4533.9	4552.6
55°	3079.2	3109.7	3207.2	3227.0	3350.1	3373.8	3426.3	3511.5	3569.1	3622.2	3635.4
57.5°	2653.5	2675.7	2696.4	2740.6	2778.5	2833.7	2878.1	2939.2	2975.5	3013.9	3017.1
60°	2317.7	2333.7	2348.4	2379.1	2405.0	2443.3	2473.9	2515.4	2541.5	2570.2	2573.5
62.5°	2067.7	2079.2	2089.0	2109.3	2127.7	2157.1	2181.5	2216.2	2240.5	2262.7	2267.6
65°	1890.1	1898.5	1904.8	1920.1	1936.2	1961.3	1983.3	2011.6	2029.5	2046.6	2050.2
67.5°	1732.7	1740.7	1747.2	1761.2	1772.3	1791.1	1805.8	1827.1	1840.5	1854.0	1854.4
70°	1552.3	1559.8	1564.8	1577.8	1586.8	1602.9	1614.7	1633.9	1647.7	1662.8	1666.7
72.5°	1427.4	1431.9	1438.5	1450.4	1462.8	1480.1	1496.0	1515.9	1532.6	1548.3	1555.0
75°	1332.5	1337.6	1342.1	1352.2	1360.8	1375.4	1387.3	1405.4	1420.0	1436.8	1445.1
77.5°	1195.4	1201.3	1205.1	1215.3	1222.8	1236.7	1245.5	1261.9	1273.7	1289.0	1296.5
80°	1029.8	1035.3	1038.0	1047.5	1053.5	1066.3	1075.0	1090.6	1100.6	1116.0	1124.9
82.5°	846.1	851.5	853.0	862.0	865.3	875.8	882.2	898.2	910.5	930.4	944.2
85°	633.6	635.5	638.6	636.3	649.1	649.9	664.4	667.2	686.2	691.3	713.1
87.5°	387.4	393.1	395.9	404.8	408.6	417.4	420.1	429.5	434.7	445.4	450.3
90°	152.2	160.2	162.4	172.0	174.0	182.4	183.7	193.4	195.5	205.5	208.2
92.5°	21.5	22.5	23.2	24.8	25.8	27.9	29.5	30.9	32.0	33.9	36.0
95°	23.7	24.8	25.9	27.0	28.2	29.4	30.5	31.6	32.7	33.8	36.9
97.5°	29.0	30.0	30.9	31.9	32.9	33.8	34.8	35.8	36.7	37.5	41.5
100°	36.3	37.1	37.9	38.8	39.7	40.5	41.3	42.2	43.0	43.8	50.9
102.5°	56.1	59.0	62.0	64.9	67.8	70.6	73.8	76.5	79.4	82.3	97.5
105°	89.8	97.6	105.7	113.5	121.5	129.6	137.5	145.1	153.1	160.8	186.0
107.5°	147.0	161.5	176.4	191.1	205.8	220.5	235.2	249.7	264.4	278.7	304.2
110°	262.4	273.9	285.8	297.6	309.3	321.1	332.8	344.1	356.0	367.6	386.0



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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°	351.4	356.5	361.6	366.9	372.1	377.0	382.2	387.3	392.4	397.2	410.4
115°	374.1	375.7	377.5	378.9	380.6	382.0	383.5	384.8	386.5	387.7	396.3
117.5°	369.4	368.7	368.1	367.4	366.4	365.7	364.9	363.7	362.8	361.8	366.5
120°	352.7	350.5	348.6	346.1	344.1	341.5	339.4	337.0	334.5	331.9	333.6
122.5°	330.4	327.8	325.6	322.7	320.1	317.2	314.6	311.3	308.8	305.7	305.6
125°	311.0	308.1	306.0	303.0	300.1	297.2	294.2	291.1	288.1	284.7	284.3
127.5°	295.3	293.3	291.4	288.8	286.5	283.9	281.3	278.6	276.3	273.1	272.4
130°	288.2	286.4	284.3	281.9	279.7	277.2	274.5	271.7	269.3	266.4	265.4
132.5°	283.8	282.4	280.7	278.8	276.8	274.1	272.0	269.4	267.1	264.7	263.6
135°	283.6	281.9	280.5	278.6	276.6	274.1	271.7	269.2	266.9	264.3	263.3
137.5°	284.2	282.8	281.3	279.2	277.4	274.8	272.7	270.0	267.8	265.2	264.2
140°	285.0	283.7	282.0	280.1	278.3	276.2	273.7	271.4	269.0	266.5	265.7
142.5°	284.7	283.2	282.0	280.2	278.5	276.3	274.2	271.8	269.8	267.4	266.8
145°	285.8	284.6	283.5	281.9	280.1	278.0	276.3	273.8	272.1	270.0	269.3
147.5°	287.2	286.1	285.1	283.6	282.3	280.3	278.6	276.5	274.9	272.9	272.5
150°	288.4	287.4	286.6	285.2	283.7	282.0	280.4	278.7	277.0	275.1	274.6
152.5°	288.6	287.5	286.8	285.4	284.1	282.2	281.2	279.3	277.9	276.1	275.6
155°	291.1	290.1	288.9	287.9	286.5	285.0	283.5	282.1	280.7	279.1	278.7
157.5°	294.9	293.6	292.8	291.5	290.6	289.2	287.9	286.6	285.3	284.0	283.4
160°	300.0	298.9	297.9	296.7	295.4	294.0	292.9	291.6	290.8	289.3	288.9
162.5°	305.4	304.2	303.1	302.0	300.9	299.5	298.4	297.5	296.3	294.9	294.5
165°	311.1	310.4	309.4	308.5	307.4	306.5	305.5	304.4	303.4	302.3	301.9
167.5°	318.1	317.1	316.5	315.5	314.4	313.7	312.6	311.6	311.0	309.8	309.4
170°	323.3	322.4	321.8	321.2	320.5	319.7	319.1	318.3	317.5	316.8	316.5
172.5°	327.5	326.8	326.4	326.0	325.2	324.9	324.3	323.7	323.3	322.6	322.7
175°	330.0	329.5	329.3	328.9	328.5	328.1	327.9	327.6	327.6	327.0	326.8
177.5°	332.9	332.7	332.7	332.5	332.5	332.4	332.2	331.8	331.6	331.6	331.5
180°	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9



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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°	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1
2.5°	51826.7	51820.4	51811.7	51800.8	51791.5	51780.6	51754.7	51747.1	51755.6	51761.4	51773.3
5°	51949.9	51953.5	51954.8	51978.3	51998.7	52049.4	52446.9	52604.9	52727.0	52804.6	52922.4
7.5°	52321.1	52440.6	52558.7	52717.6	52854.7	53039.9	53735.4	54031.3	54241.8	54393.1	54579.2
10°	52950.3	53211.1	53455.6	53742.1	53988.3	54270.4	54917.8	55206.1	55388.2	55520.7	55644.4
12.5°	53584.1	53945.8	54272.7	54591.4	54858.0	55102.5	55330.2	55431.1	55439.7	55443.9	55378.3
15°	53914.2	54260.0	54548.0	54758.8	54915.4	54984.7	54592.8	54387.1	54127.3	53913.3	53561.2
17.5°	53705.8	53913.3	54037.7	54025.5	53960.7	53744.0	52633.8	52023.1	51416.9	50870.7	50154.4
20°	52779.7	52763.8	52655.7	52349.0	51979.7	51405.3	49502.0	48403.8	47342.2	46409.7	45278.4
22.5°	51056.6	50785.5	50407.5	49746.5	49012.2	48008.6	45281.1	43665.8	42187.8	40882.1	39419.4
25°	48559.9	48002.2	47304.9	46255.7	45114.5	43650.9	40289.1	38279.9	36505.3	34966.2	33278.5
27.5°	45364.7	44524.5	43502.8	42050.5	40504.5	38629.4	34902.2	32684.9	30779.9	29129.8	27333.5
30°	41581.9	40489.2	39169.9	37367.3	35502.6	33375.8	29595.7	27349.9	25421.7	23724.0	21926.4
32.5°	37307.0	36027.2	34481.2	32458.0	30441.4	28254.7	24604.1	22430.2	20588.2	18955.1	17328.1
35°	32592.1	31219.6	29584.0	27520.5	25515.9	23389.9	20040.2	18080.1	16453.5	15009.9	13696.2
37.5°	27534.4	26186.8	24632.2	22687.4	20828.5	18902.0	16011.7	14369.2	13004.2	11806.1	10791.7
40°	22275.9	21096.6	19751.5	18070.1	16483.7	14879.3	12506.8	11202.9	10125.7	9212.0	8451.8
42.5°	17081.7	16167.7	15136.3	13807.6	12593.6	11372.0	9545.9	8579.9	7782.0	7124.2	6586.9
45°	12393.3	11782.0	11090.1	10166.5	9326.5	8474.4	7174.7	6495.8	5976.2	5552.0	5193.4
47.5°	8663.6	8308.9	8287.3	7433.7	6817.7	6296.8	5459.4	5030.7	4712.2	4455.2	4228.2
50°	6084.2	5912.6	5699.5	5394.8	5109.0	4814.5	4304.4	4045.2	3858.6	3702.9	3559.3
52.5°	4548.4	4459.3	4345.8	4184.1	4029.2	3863.7	3540.8	3375.7	3317.2	3172.2	3058.5
55°	3632.9	3581.7	3517.3	3422.2	3328.1	3290.3	3013.7	2891.1	2813.6	2756.3	2695.2
57.5°	3017.7	2979.6	2941.2	2877.0	2822.4	2756.3	2609.5	2546.6	2500.5	2466.8	2424.5
60°	2574.1	2551.3	2529.8	2492.0	2462.6	2426.9	2333.7	2298.3	2274.2	2253.9	2226.9
62.5°	2271.9	2260.2	2249.1	2229.0	2214.0	2194.7	2130.9	2114.0	2101.8	2091.7	2075.2
65°	2053.8	2045.3	2039.2	2025.9	2018.4	2007.1	1952.3	1940.8	1933.3	1929.7	1920.1
67.5°	1855.7	1846.8	1842.7	1833.3	1830.1	1823.1	1778.3	1771.9	1769.5	1770.6	1767.2
70°	1670.3	1666.7	1668.5	1667.0	1671.2	1672.5	1645.4	1645.2	1648.0	1653.8	1654.4
72.5°	1559.2	1559.2	1561.3	1562.2	1566.3	1568.2	1545.6	1544.5	1545.8	1550.0	1550.2
75°	1453.5	1455.2	1460.9	1462.8	1467.7	1468.6	1438.7	1435.3	1435.5	1439.5	1438.2
77.5°	1307.3	1313.5	1324.4	1330.2	1339.3	1341.1	1307.6	1303.5	1303.7	1307.8	1304.3
80°	1141.2	1153.3	1170.6	1182.7	1196.9	1202.6	1168.2	1159.9	1152.3	1151.2	1144.3
82.5°	964.8	979.6	1000.4	1011.4	1026.6	1030.0	972.3	961.4	954.9	955.4	949.2
85°	736.6	747.7	766.6	772.8	782.2	781.4	715.6	687.4	694.9	683.2	692.4
87.5°	462.0	468.6	480.4	481.9	486.3	485.4	419.1	406.1	402.3	402.5	397.7
90°	218.0	221.8	231.3	230.7	236.8	235.1	180.7	173.7	169.7	172.9	167.0
92.5°	38.8	40.8	43.4	45.5	48.0	50.3	46.6	47.0	45.5	43.0	41.6
95°	40.3	43.6	46.9	50.1	53.5	56.8	60.1	63.5	60.3	57.1	54.0
97.5°	45.4	49.3	53.1	56.9	60.8	64.8	68.7	72.6	69.3	65.6	62.3
100°	58.2	65.5	72.6	79.9	87.1	94.3	101.7	109.0	102.6	95.8	89.4
102.5°	112.8	128.2	143.6	158.9	174.4	189.8	205.4	221.0	206.1	191.1	176.2
105°	210.9	235.9	260.8	285.4	310.4	335.4	360.9	385.8	362.1	338.4	314.8
107.5°	329.4	354.8	379.7	404.7	430.0	455.3	481.3	506.6	483.4	459.9	436.9
110°	404.3	422.4	440.6	458.9	477.0	495.2	514.7	533.0	518.8	504.6	490.5



TEST NUMBER: P1444419
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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	423.0	436.0	448.9	461.4	474.0	486.9	501.5	514.7	507.2	499.5	492.2
115°	404.6	413.3	421.4	429.8	438.1	446.3	456.8	465.7	462.7	459.7	456.9
117.5°	370.7	375.0	379.4	383.6	387.7	392.0	399.1	403.7	403.1	402.8	402.4
120°	334.8	336.1	337.3	338.8	339.7	340.9	345.4	347.3	348.3	349.0	350.0
122.5°	305.5	305.4	305.2	305.0	304.8	304.5	308.0	308.8	308.9	309.0	309.3
125°	283.7	282.9	282.3	281.7	280.7	279.9	283.7	283.6	282.7	281.5	280.5
127.5°	271.2	270.2	269.1	268.2	266.7	265.6	269.1	268.9	267.0	265.0	262.8
130°	264.4	263.4	262.2	261.1	260.1	259.2	262.9	263.1	260.5	257.5	255.0
132.5°	262.4	261.5	260.2	259.5	258.4	257.3	261.5	261.7	259.1	256.0	253.1
135°	262.1	261.2	260.2	259.2	258.2	257.5	262.1	262.5	259.9	256.8	254.1
137.5°	262.8	261.9	260.9	260.2	259.2	258.4	263.8	264.3	262.0	259.2	257.0
140°	264.8	263.8	262.9	262.3	261.4	261.0	266.8	267.5	265.7	263.4	261.2
142.5°	265.8	265.4	264.8	264.5	263.9	263.7	270.3	271.4	269.7	267.8	266.2
145°	268.6	268.4	267.8	267.7	267.4	267.3	274.9	276.5	275.3	273.6	272.2
147.5°	271.5	271.2	270.8	270.6	270.3	270.7	278.9	280.5	279.7	278.4	277.5
150°	274.0	273.8	273.3	273.3	273.4	273.6	283.1	285.3	284.5	283.6	282.7
152.5°	275.1	274.8	274.4	274.3	274.1	274.4	286.4	289.1	288.5	287.4	286.9
155°	278.1	277.7	277.2	277.1	276.8	277.2	290.4	293.4	292.8	292.2	291.5
157.5°	282.8	282.2	281.6	281.4	281.1	280.9	295.3	298.9	298.1	297.6	296.9
160°	288.1	287.7	287.0	286.7	286.1	285.8	300.8	304.2	303.8	303.0	302.4
162.5°	293.8	293.9	293.2	292.8	292.3	292.4	307.2	311.0	310.2	309.5	308.9
165°	301.4	300.7	300.2	300.0	299.5	299.2	313.4	316.6	316.2	315.5	314.9
167.5°	308.8	308.6	307.9	307.7	307.3	307.3	320.5	323.6	323.2	322.5	322.1
170°	316.1	316.0	315.5	315.4	315.4	315.5	326.5	329.1	328.8	327.9	327.5
172.5°	322.4	322.5	322.4	322.4	322.3	322.4	331.7	334.1	333.8	333.3	332.8
175°	326.8	326.8	326.8	327.0	327.0	327.1	334.4	336.1	335.9	335.6	335.2
177.5°	331.7	331.6	331.8	331.9	332.1	332.2	336.6	337.6	337.4	337.4	337.3
180°	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9



TEST NUMBER: P1444419
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL12

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1
2.5°	51776.0	51794.2	51796.8	51818.1	51816.4	51841.6	51837.7	51858.4	51846.3	51863.3	51849.0
5°	52992.1	53102.4	53160.0	53267.6	53301.6	53398.0	53425.1	53513.0	53516.7	53586.4	53570.5
7.5°	54711.3	54873.9	54970.4	55103.5	55170.9	55281.7	55330.5	55412.6	55438.9	55504.1	55509.0
10°	55738.1	55816.9	55872.1	55909.2	55943.1	55959.0	55977.6	55972.6	55977.6	55970.2	55986.2
12.5°	55334.2	55218.9	55142.8	54998.4	54914.7	54755.2	54676.9	54523.5	54467.7	54336.1	54317.1
15°	53289.0	52887.3	52603.5	52190.7	51931.3	51525.2	51287.6	50921.2	50753.9	50462.6	50386.2
17.5°	49561.4	48815.7	48238.7	47498.4	46984.7	46292.8	45857.8	45285.1	44971.4	44509.6	44349.7
20°	44335.4	43232.1	42366.4	41335.3	40597.3	39677.9	39089.3	38346.9	37915.9	37348.7	37118.8
22.5°	38199.8	36826.2	35745.1	34527.0	33636.6	32612.0	31906.8	31103.5	30634.7	30018.5	29745.6
25°	31875.9	30361.2	29159.3	27875.8	26935.1	25908.0	25202.6	24413.6	23928.3	23343.3	23072.2
27.5°	25827.8	24294.4	23132.9	21939.6	21076.7	20149.9	19513.5	18824.5	18393.9	17894.5	17639.4
30°	20490.4	19137.9	18149.6	17159.3	16441.4	15688.6	15159.8	14588.8	14211.1	13783.4	13540.5
32.5°	16141.9	15097.8	14323.9	13538.1	12950.5	12321.5	11864.5	11360.7	11019.7	10637.9	10417.9
35°	12784.1	11972.9	11355.6	10708.7	10204.0	9668.2	9265.5	8830.8	8524.7	8196.0	8006.0
37.5°	10100.8	9455.7	8947.7	8410.4	7995.9	7552.1	7402.5	6903.5	6586.4	6324.1	6142.4
40°	7927.1	7414.2	6993.9	6583.0	6244.8	5908.2	5638.1	5371.5	5166.8	4979.2	4849.4
42.5°	6190.4	5818.8	5511.9	5210.9	4964.3	4719.0	4523.2	4339.6	4201.8	4079.1	3995.3
45°	4921.2	4665.5	4452.2	4240.2	4066.2	3902.5	3770.7	3653.6	3564.5	3490.8	3438.6
47.5°	4042.9	3867.8	3717.4	3574.3	3456.1	3349.0	3260.7	3231.9	3136.2	3071.7	3047.2
50°	3435.8	3330.2	3215.9	3110.3	3031.4	2952.9	2895.7	2839.6	2803.8	2774.1	2765.2
52.5°	2982.8	2902.0	2838.4	2771.6	2719.6	2663.7	2624.2	2586.9	2567.1	2551.7	2549.7
55°	2646.0	2589.5	2547.4	2502.6	2471.4	2438.7	2418.2	2398.4	2389.8	2381.9	2382.6
57.5°	2391.1	2353.5	2326.0	2297.0	2280.1	2264.4	2259.3	2254.3	2256.9	2258.0	2262.5
60°	2205.5	2181.0	2163.7	2147.1	2140.0	2134.9	2138.8	2143.2	2152.2	2159.5	2166.0
62.5°	2063.2	2049.2	2040.8	2031.7	2031.0	2031.4	2039.1	2046.6	2057.8	2066.2	2072.6
65°	1916.7	1908.6	1906.0	1900.2	1903.1	1904.8	1914.0	1919.7	1931.0	1937.8	1945.8
67.5°	1768.7	1766.8	1768.5	1768.5	1773.6	1778.1	1786.8	1793.4	1803.0	1809.0	1815.6
70°	1659.3	1660.1	1664.1	1664.8	1670.4	1673.5	1681.2	1685.3	1694.0	1699.2	1707.0
72.5°	1553.1	1551.3	1552.3	1549.8	1551.7	1550.9	1555.2	1557.3	1564.6	1568.6	1578.2
75°	1439.9	1435.1	1434.0	1428.8	1428.9	1425.3	1427.0	1426.9	1431.7	1433.6	1440.4
77.5°	1303.2	1295.2	1291.3	1282.7	1282.5	1279.2	1282.7	1284.9	1293.2	1297.3	1305.1
80°	1139.7	1127.1	1121.3	1111.3	1113.0	1112.5	1120.9	1127.3	1137.5	1139.5	1149.5
82.5°	947.2	934.4	928.3	918.5	920.8	921.0	928.7	930.0	939.0	942.8	954.3
85°	678.2	683.2	669.6	670.6	667.7	673.0	678.2	684.7	692.2	704.7	714.2
87.5°	399.5	397.7	402.5	403.1	410.0	413.6	424.7	431.0	443.5	453.2	470.8
90°	167.9	162.1	166.5	165.0	172.2	170.8	177.4	174.7	182.6	183.7	193.7
92.5°	38.7	37.1	34.5	32.8	30.3	28.9	27.1	26.7	25.2	24.9	23.3
95°	51.0	47.8	44.8	41.7	38.6	35.5	34.4	33.3	32.1	31.0	29.9
97.5°	58.9	55.7	52.4	48.8	45.5	42.2	41.5	40.7	40.0	39.1	38.4
100°	82.8	76.5	70.0	63.5	57.0	50.7	50.0	49.4	48.8	48.2	47.6
102.5°	161.5	146.6	132.0	117.0	102.4	87.5	85.0	82.3	79.8	77.3	74.7
105°	290.9	267.2	243.5	219.9	196.4	172.7	165.8	158.3	151.4	144.3	137.3
107.5°	413.6	390.3	367.3	344.3	321.2	298.1	286.8	275.8	264.3	253.2	242.2
110°	475.9	461.9	448.1	433.8	419.8	405.9	395.0	384.4	373.5	362.8	352.3



TEST NUMBER: P1444419
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL12

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	484.7	477.4	469.8	462.6	455.5	448.1	442.7	437.4	432.3	426.9	421.4
115°	453.8	451.1	448.3	445.6	443.1	440.2	439.5	439.0	438.2	437.7	437.3
117.5°	401.9	401.5	400.9	400.8	400.6	400.4	402.7	404.8	407.2	410.0	412.7
120°	350.8	351.6	352.4	353.6	354.6	355.8	358.6	361.8	365.0	368.6	372.1
122.5°	309.4	309.5	309.6	310.1	310.3	310.7	313.4	316.4	319.3	322.6	326.1
125°	279.0	277.8	276.7	275.4	274.1	273.3	275.3	277.4	279.6	282.3	284.6
127.5°	260.6	258.3	256.0	254.1	251.6	249.9	250.4	251.2	251.9	253.1	254.2
130°	251.9	249.2	246.0	243.5	240.2	237.7	237.2	236.8	236.4	236.3	236.0
132.5°	249.8	246.9	243.7	240.4	237.3	234.3	232.9	231.7	230.3	229.4	228.5
135°	250.9	248.2	244.9	242.0	238.6	235.9	234.1	232.4	230.8	229.2	227.9
137.5°	254.4	251.8	249.2	246.7	243.8	241.3	238.9	237.3	235.2	234.1	232.3
140°	258.8	256.9	254.3	252.0	249.7	247.6	245.5	244.1	242.2	240.9	239.3
142.5°	264.1	262.1	260.2	258.4	256.5	254.6	252.8	251.2	249.6	248.3	246.8
145°	270.7	269.3	267.7	266.2	264.6	263.1	261.3	260.2	258.8	257.5	256.6
147.5°	276.3	275.0	273.7	272.5	271.1	269.9	268.5	267.8	266.3	265.5	264.4
150°	281.4	280.4	279.1	278.4	276.9	275.9	274.9	273.9	272.8	272.3	271.3
152.5°	285.5	284.7	283.6	282.8	281.6	280.6	279.7	279.0	278.1	277.4	276.4
155°	290.5	289.8	288.8	288.0	286.9	286.3	285.3	284.3	283.6	282.8	281.9
157.5°	296.1	295.4	294.4	293.9	292.7	292.0	291.2	290.4	289.5	288.9	288.0
160°	301.7	301.1	300.2	299.4	298.7	297.9	296.7	296.1	295.1	294.5	293.4
162.5°	308.0	307.1	306.4	305.7	304.6	304.0	303.0	302.2	301.5	300.7	299.8
165°	314.1	313.4	312.6	311.9	311.3	310.5	309.5	308.8	307.8	307.1	306.1
167.5°	321.3	320.8	320.0	319.3	318.4	317.6	316.9	316.2	315.3	314.5	313.5
170°	327.1	326.2	325.7	325.0	324.3	323.4	322.8	321.9	321.1	320.7	319.6
172.5°	332.3	332.0	331.3	330.9	330.0	329.5	329.0	328.4	327.8	327.1	326.6
175°	335.0	334.8	334.6	334.0	333.8	333.5	333.1	332.9	332.5	332.3	331.8
177.5°	337.3	337.1	337.1	336.7	336.5	336.5	336.2	336.1	335.9	335.6	335.5
180°	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9



TEST NUMBER: P1444419
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL12

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1
2.5°	51863.9	51850.7	51856.9	51832.6	51838.4	51809.1	51806.4	51773.3	51770.1	51738.8	51727.2
5°	53619.9	53591.0	53623.5	53572.8	53582.7	53516.7	53511.1	53425.7	53396.3	53289.4	53243.3
7.5°	55549.8	55538.9	55558.8	55516.3	55515.0	55456.0	55431.6	55355.1	55307.6	55195.4	55123.8
10°	55972.6	55982.5	55966.3	55970.2	55947.3	55941.0	55917.5	55902.5	55864.0	55834.9	55792.0
12.5°	54216.9	54227.5	54160.5	54203.0	54169.5	54247.8	54241.4	54333.7	54347.9	54464.7	54508.9
15°	50159.3	50146.7	50018.2	50099.2	50055.8	50227.7	50266.2	50497.5	50621.2	50918.2	51100.6
17.5°	44029.7	43996.6	43815.7	43914.3	43864.2	44117.6	44202.7	44572.6	44803.3	45281.8	45622.8
20°	36723.1	36659.6	36447.9	36563.3	36511.6	36799.6	36921.0	37368.1	37665.7	38299.4	38750.3
22.5°	29325.5	29225.4	29017.9	29125.8	29077.0	29375.2	29533.2	29981.8	30322.7	30973.4	31499.7
25°	22682.5	22593.3	22392.8	22468.3	22450.1	22702.5	22843.1	23267.3	23602.2	24222.1	24724.4
27.5°	17300.5	17207.7	17026.6	17079.9	17061.6	17276.6	17409.1	17763.5	18051.7	18573.5	19014.6
30°	13241.0	13129.0	12975.4	13004.9	12992.3	13166.5	13290.2	13588.7	13835.7	14276.7	14656.8
32.5°	10149.2	10036.6	9895.6	9909.3	9890.7	10027.4	10129.4	10389.0	10604.2	10979.1	11310.0
35°	7765.6	7897.1	7595.8	7786.7	7587.9	7879.7	7774.7	7936.9	8122.0	8438.0	8713.9
37.5°	5969.8	5878.1	5800.6	5792.4	5792.0	5859.6	5939.5	6095.7	6258.8	6494.1	6737.3
40°	4730.8	4666.5	4616.3	4612.6	4616.3	4664.4	4723.3	4831.4	4950.9	5119.9	5298.6
42.5°	3923.8	3881.0	3850.7	3848.7	3858.2	3892.3	3933.3	3997.5	4075.3	4184.7	4307.3
45°	3396.0	3372.3	3355.4	3354.5	3358.9	3376.7	3400.2	3440.3	3489.5	3557.8	3635.4
47.5°	3025.7	3019.9	3009.4	3009.8	3005.0	3012.3	3015.0	3037.4	3063.6	3115.2	3216.4
50°	2756.1	2756.1	2748.8	2748.4	2741.6	2741.2	2735.4	2744.3	2756.5	2788.5	2820.9
52.5°	2543.0	2542.3	2534.4	2532.9	2525.6	2525.2	2520.2	2523.7	2525.4	2541.5	2560.8
55°	2376.4	2371.5	2361.1	2357.8	2355.0	2359.1	2357.2	2357.4	2355.4	2362.1	2367.8
57.5°	2256.9	2250.5	2240.7	2237.8	2237.1	2242.0	2242.2	2240.5	2231.5	2225.3	2216.8
60°	2162.4	2155.8	2145.3	2142.6	2144.1	2151.1	2150.7	2144.9	2131.5	2119.8	2106.3
62.5°	2069.5	2066.8	2061.5	2060.7	2059.4	2060.5	2055.7	2049.6	2036.4	2024.0	2009.1
65°	1944.8	1946.2	1942.1	1942.7	1938.0	1937.2	1929.9	1924.0	1910.5	1899.2	1884.1
67.5°	1815.4	1816.4	1813.1	1813.1	1810.7	1811.0	1806.6	1801.1	1789.8	1780.6	1768.9
70°	1708.7	1711.5	1709.5	1710.1	1707.0	1705.9	1699.0	1693.6	1681.9	1674.2	1663.7
72.5°	1581.0	1586.8	1586.6	1588.0	1583.3	1581.0	1572.8	1566.1	1555.6	1549.4	1541.0
75°	1443.2	1450.6	1452.8	1456.0	1449.5	1446.0	1437.0	1431.7	1423.1	1419.5	1413.9
77.5°	1308.6	1316.7	1324.6	1331.9	1321.4	1312.0	1300.7	1292.1	1279.8	1275.1	1266.4
80°	1157.5	1172.1	1189.4	1204.0	1185.1	1165.9	1147.3	1133.5	1117.3	1110.6	1099.8
82.5°	960.3	975.2	985.2	994.6	981.4	967.3	949.4	937.3	919.7	913.1	900.7
85°	729.5	748.1	754.0	759.0	750.6	743.1	726.3	703.5	692.4	674.9	665.9
87.5°	479.9	491.0	493.1	494.8	489.6	485.9	475.0	464.3	445.4	431.5	414.7
90°	192.9	200.1	195.4	198.0	191.8	192.8	182.1	179.0	163.9	158.4	144.9
92.5°	22.7	21.1	20.4	19.2	21.1	21.3	23.0	23.3	24.7	25.2	26.7
95°	28.8	27.5	26.4	25.3	26.2	27.1	28.1	29.0	29.8	30.7	31.6
97.5°	37.6	36.9	36.1	35.4	35.9	36.4	37.0	37.5	38.0	38.5	39.4
100°	47.0	46.4	45.8	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
102.5°	72.1	69.6	67.0	64.5	66.2	67.9	69.6	71.3	73.2	74.9	76.8
105°	130.3	123.3	116.2	109.3	116.0	122.8	129.7	136.4	143.2	150.3	157.2
107.5°	230.9	219.8	208.8	197.7	210.2	222.6	234.9	247.2	259.6	271.9	284.6
110°	341.7	331.3	320.7	310.2	323.3	336.4	349.5	362.6	375.8	388.9	402.4



TEST NUMBER: P1444419
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CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	416.2	411.2	406.0	400.9	409.4	417.7	426.2	435.1	443.5	452.1	460.6
115°	436.8	436.5	436.2	435.9	439.9	443.9	447.9	452.0	456.3	460.2	464.5
117.5°	415.2	417.8	420.8	423.6	424.9	426.1	427.6	428.9	430.5	432.0	433.7
120°	375.8	379.1	382.9	386.7	386.2	385.7	385.2	384.7	384.8	384.5	384.7
122.5°	329.5	333.1	336.9	340.5	339.4	338.3	337.3	336.4	335.8	335.1	334.5
125°	287.7	290.3	293.4	296.4	295.3	294.2	293.2	292.6	291.9	291.2	290.9
127.5°	255.8	257.5	258.9	260.7	260.2	259.7	259.7	259.4	259.4	259.7	260.0
130°	236.3	236.7	237.4	237.9	238.1	238.2	238.9	239.4	240.4	241.1	242.5
132.5°	228.3	227.6	227.5	227.3	227.9	228.5	229.6	230.7	232.3	233.4	235.5
135°	227.1	226.2	225.6	225.2	226.1	226.8	228.0	229.3	231.2	233.0	235.1
137.5°	231.3	230.1	229.4	228.4	229.3	230.3	231.6	232.9	234.5	236.4	238.6
140°	238.3	237.1	236.7	235.7	236.6	237.3	238.6	239.9	241.6	243.5	245.5
142.5°	245.9	244.6	244.1	243.6	244.0	244.8	246.3	247.3	248.8	250.2	252.2
145°	255.5	254.5	254.1	253.4	253.8	254.4	255.2	256.2	257.3	258.3	260.0
147.5°	263.6	262.8	262.4	261.8	262.2	262.5	263.1	263.7	264.7	265.6	266.7
150°	271.0	270.0	269.6	269.3	269.4	269.5	270.0	270.1	270.8	271.3	272.3
152.5°	276.1	275.2	275.1	274.5	274.4	274.5	274.9	275.1	275.5	275.8	276.7
155°	281.5	280.9	280.4	279.8	279.6	279.3	279.5	279.2	279.6	279.5	279.9
157.5°	287.6	286.8	286.5	285.6	285.3	284.7	284.7	284.4	284.4	283.9	284.0
160°	292.9	292.0	291.3	290.6	290.4	289.8	289.7	289.2	289.1	288.9	288.8
162.5°	299.2	298.5	297.9	297.0	296.6	295.9	295.5	294.7	294.4	294.0	293.8
165°	305.2	304.4	303.8	302.7	302.4	302.0	301.4	300.9	300.6	300.2	300.0
167.5°	313.0	312.0	311.4	310.6	310.1	309.2	309.0	308.4	307.8	307.3	307.3
170°	319.0	318.3	317.8	317.1	316.8	316.2	316.0	315.4	315.2	315.0	315.0
172.5°	326.2	325.6	325.1	324.6	324.3	323.9	323.7	323.5	323.1	323.1	322.9
175°	331.6	331.2	331.0	330.5	330.2	330.1	329.9	329.8	329.7	329.4	329.4
177.5°	335.1	334.9	334.8	334.7	334.5	334.5	334.5	334.5	334.5	334.3	334.1
180°	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9



TEST NUMBER: P1444419
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CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1
2.5°	51693.7	51680.1	51644.3	51626.6	51593.5	51576.9	51551.0	51534.4	51513.5	51497.9	51489.9
5°	53125.9	53059.9	52927.3	52845.8	52702.7	52608.6	52466.5	52362.3	52215.6	52107.4	51968.8
7.5°	54989.4	54887.9	54718.2	54589.5	54389.4	54236.5	54011.9	53832.3	53584.1	53378.1	53124.6
10°	55748.0	55688.8	55612.6	55529.9	55419.0	55310.3	55156.9	55000.7	54792.3	54585.2	54314.4
12.5°	54626.7	54682.5	54792.3	54843.6	54927.7	54956.2	54994.7	54976.7	54942.7	54858.0	54735.2
15°	51451.0	51683.7	52051.3	52305.7	52661.9	52912.2	53243.3	53456.4	53701.9	53848.5	53988.0
17.5°	46227.1	46677.1	47325.8	47843.5	48538.2	49103.2	49795.4	50339.1	50967.0	51448.7	51961.5
20°	39536.2	40166.4	41061.9	41822.4	42829.2	43683.0	44776.7	45693.0	46761.8	47652.7	48614.3
22.5°	32334.9	33076.1	34102.3	35019.7	36221.9	37295.8	38666.1	39877.6	41322.5	42616.8	44048.7
25°	25541.3	26267.8	27313.0	28263.0	29560.8	30743.7	32240.9	33630.7	35307.4	36871.0	38666.1
27.5°	19715.5	20360.7	21279.6	22134.5	23323.2	24484.6	26003.9	27486.0	29275.1	30955.5	32890.1
30°	15225.9	15749.4	16485.6	17173.4	18127.7	19077.5	20430.8	21801.4	23581.7	25323.1	27306.4
32.5°	11799.5	12245.9	12860.5	13418.9	14154.2	14870.3	15866.9	16962.2	18523.9	20191.8	22109.5
35°	9134.2	9516.0	10039.1	10520.1	11124.8	11693.3	12437.0	13218.8	14410.5	15813.6	17529.8
37.5°	7282.3	7437.9	7811.3	8205.4	8707.6	9174.8	9756.5	10334.6	11187.3	12294.2	13696.2
40°	5538.1	5785.3	6089.1	6399.6	6779.8	7154.5	7792.7	8100.1	8661.5	9456.1	10544.3
42.5°	4468.5	4642.4	4856.2	5072.0	5337.0	5598.0	5920.8	6249.6	6669.4	7207.6	7981.5
45°	3739.4	3852.7	3990.6	4134.4	4308.4	4486.5	4702.6	4928.5	5212.8	5543.6	6013.7
47.5°	3252.2	3314.9	3404.9	3503.0	3622.4	3745.7	3886.3	4030.0	4206.7	4403.0	4670.7
50°	2871.9	2924.3	2994.1	3059.8	3142.1	3268.6	3324.3	3403.7	3510.0	3625.4	3775.2
52.5°	2596.8	2631.7	2675.5	2713.2	2765.3	2812.6	2874.6	2929.4	3003.0	3072.2	3169.0
55°	2382.6	2395.2	2420.1	2444.4	2480.4	2512.7	2555.3	2591.1	2637.9	2679.5	2740.4
57.5°	2217.1	2218.3	2229.8	2242.4	2265.5	2285.9	2315.2	2338.7	2371.3	2397.7	2434.2
60°	2098.2	2091.9	2094.2	2098.6	2111.6	2124.9	2143.6	2158.9	2179.4	2194.4	2214.9
62.5°	1999.2	1989.2	1986.9	1985.8	1992.3	1997.1	2007.3	2014.8	2026.4	2032.9	2043.8
65°	1874.2	1862.5	1857.9	1852.5	1854.4	1852.9	1856.8	1857.0	1862.9	1864.2	1870.6
67.5°	1760.8	1751.0	1745.2	1737.8	1734.6	1729.4	1727.1	1722.2	1721.4	1717.2	1716.2
70°	1657.4	1647.9	1642.9	1636.2	1632.8	1625.8	1621.7	1613.2	1608.2	1600.4	1595.9
72.5°	1537.7	1532.4	1530.9	1526.3	1525.1	1521.3	1519.6	1513.6	1510.2	1503.5	1499.7
75°	1412.7	1408.4	1408.0	1403.3	1402.9	1398.4	1397.2	1390.9	1387.7	1380.9	1378.1
77.5°	1263.8	1257.2	1255.3	1249.9	1251.3	1249.0	1251.0	1246.1	1244.0	1237.3	1235.2
80°	1096.0	1087.6	1084.2	1077.1	1078.9	1075.7	1078.9	1078.6	1081.0	1075.7	1074.8
82.5°	897.3	888.0	886.3	881.4	884.6	885.0	892.1	888.2	889.8	884.8	886.9
85°	652.9	646.1	636.5	635.2	629.0	635.4	627.1	632.6	623.7	629.9	621.5
87.5°	404.8	390.6	383.1	373.0	369.2	359.4	355.4	348.3	350.4	347.2	349.0
90°	142.2	130.2	127.5	117.6	116.8	108.3	109.2	103.1	105.0	98.8	101.4
92.5°	27.1	28.2	29.8	32.2	33.6	35.4	37.0	39.5	40.9	43.1	44.5
95°	32.5	33.4	35.8	38.2	40.7	43.1	45.6	48.0	50.4	52.9	55.3
97.5°	39.9	40.4	42.8	45.2	47.6	50.0	52.4	55.2	57.6	60.0	62.5
100°	45.2	45.4	52.3	59.1	66.0	73.0	79.7	86.6	93.8	100.7	107.6
102.5°	78.5	80.2	97.6	115.0	132.4	149.7	167.2	184.7	202.1	219.8	237.2
105°	164.0	170.8	197.3	223.9	250.3	277.0	303.5	330.3	357.0	383.6	410.3
107.5°	297.0	309.6	333.7	357.7	381.6	405.7	430.0	454.0	478.2	502.4	526.9
110°	415.5	428.8	445.0	461.3	477.7	493.8	510.2	526.5	543.0	559.4	576.0



TEST NUMBER: P1444419
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL12

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	469.1	478.0	487.4	497.3	506.9	516.7	526.4	536.3	546.2	556.3	566.1
115°	468.9	473.3	477.1	481.4	485.2	489.6	493.7	498.1	502.7	506.9	511.5
117.5°	435.1	437.2	438.0	439.2	440.2	441.8	443.1	444.7	446.3	447.9	449.1
120°	384.5	384.6	384.7	384.8	384.9	385.2	385.7	386.0	386.6	387.3	387.7
122.5°	333.9	333.8	333.9	334.2	334.6	335.2	335.8	336.7	337.3	338.0	338.7
125°	290.6	290.6	292.1	293.7	295.3	297.2	298.9	301.1	302.9	304.9	306.9
127.5°	260.3	261.1	263.7	266.3	269.0	271.8	274.6	277.7	280.4	283.6	286.3
130°	243.7	245.2	248.1	251.5	254.6	258.0	261.3	265.0	268.0	271.4	274.6
132.5°	237.1	239.4	242.2	245.5	248.6	251.9	255.4	258.7	262.0	265.6	268.5
135°	237.3	239.7	242.6	245.7	248.7	252.1	255.1	258.5	261.3	264.7	267.5
137.5°	240.6	243.2	245.9	248.5	251.0	254.2	256.8	259.7	262.2	265.1	267.6
140°	247.6	250.0	251.7	254.2	256.1	258.3	260.1	262.5	264.3	266.7	268.4
142.5°	254.1	256.4	257.5	259.3	260.9	263.0	264.6	266.3	267.8	269.3	270.6
145°	261.4	263.3	264.2	265.4	266.4	267.5	268.4	269.5	270.2	271.1	272.0
147.5°	268.0	269.3	269.7	270.6	271.3	271.8	272.6	273.3	273.6	274.3	275.0
150°	273.0	274.1	274.2	274.9	275.0	275.4	275.5	276.0	276.1	276.5	276.6
152.5°	277.2	277.9	277.6	278.0	277.9	278.0	277.9	278.2	278.1	278.1	278.4
155°	279.8	280.2	280.0	280.1	279.9	280.0	279.8	280.3	280.3	280.4	280.5
157.5°	283.8	283.7	283.6	283.6	283.3	283.4	283.4	283.5	283.6	284.2	284.5
160°	288.4	288.3	288.0	288.0	287.9	287.8	287.8	288.1	288.2	289.0	289.3
162.5°	293.2	293.0	292.7	292.7	292.6	292.7	292.9	293.4	293.5	294.1	294.5
165°	299.9	300.0	299.5	299.7	299.6	299.6	299.7	299.9	300.3	300.7	301.2
167.5°	307.0	306.9	306.9	307.1	307.1	307.3	307.5	308.2	308.5	309.3	309.5
170°	314.9	315.0	314.8	314.8	314.8	314.9	315.0	315.1	315.5	315.8	315.9
172.5°	322.9	322.9	322.8	322.6	322.5	322.5	322.4	322.6	322.5	322.5	322.4
175°	329.2	329.1	329.0	329.0	328.9	328.6	328.6	328.1	328.0	328.0	327.9
177.5°	333.9	333.5	333.3	333.3	333.1	333.0	333.0	332.8	332.8	332.8	332.4
180°	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9



TEST NUMBER: P1444419
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL12

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1
2.5°	51479.6	51479.0	51474.0	51476.4	51477.3	51480.9	51485.3	51489.9	51490.9	51494.5	51495.3
5°	51864.8	51737.5	51643.2	51539.7	51461.7	51391.7	51345.0	51307.9	51293.4	51297.1	51305.7
7.5°	52909.5	52646.6	52429.7	52183.1	51977.4	51759.7	51579.2	51407.5	51282.5	51189.3	51137.2
10°	54055.9	53735.7	53429.4	53072.5	52734.0	52372.6	52045.4	51715.9	51441.0	51202.5	51027.3
12.5°	54564.7	54338.3	54073.5	53736.7	53374.4	52957.6	52536.5	52085.2	51665.5	51275.9	50961.7
15°	54026.0	54026.4	53929.9	53768.3	53516.7	53183.5	52782.4	52311.9	51816.8	51311.5	50849.8
17.5°	52316.1	52638.8	52818.2	52931.7	52896.9	52774.1	52519.0	52157.6	51695.9	51157.7	50594.4
20°	49379.9	50140.7	50683.2	51171.1	51444.6	51626.3	51608.0	51461.0	51132.3	50674.6	50088.0
22.5°	45266.6	46543.7	47551.4	48491.2	49150.3	49686.4	49941.3	50049.4	49900.5	49581.7	49030.7
25°	40270.5	42007.0	43488.8	44927.0	46005.9	46932.9	47490.2	47882.7	47913.9	47747.3	47255.8
27.5°	34719.0	36768.8	38644.3	40555.6	42072.7	43405.6	44280.1	44920.2	45123.5	45096.6	44650.4
30°	29174.6	31326.4	33393.8	35622.5	37499.8	39202.7	40357.8	41223.5	41557.1	41620.9	41191.7
32.5°	23938.4	26060.5	28122.0	30452.1	32518.0	34469.6	35834.3	36862.6	37250.6	37341.9	36871.0
35°	19186.4	21144.1	23103.3	25361.5	27415.5	29436.4	30874.5	31951.0	32313.3	32374.4	31829.2
37.5°	15065.4	16733.4	18440.6	20466.8	22353.1	24250.9	25617.3	26629.1	26893.0	26876.7	26259.7
40°	11595.6	12892.3	14264.1	15932.2	17500.4	19104.8	20258.7	21095.1	21233.7	21131.0	20482.9
42.5°	8719.3	9655.8	10650.3	11895.5	13059.1	14259.9	15099.3	15720.2	15740.0	15577.6	14996.0
45°	6495.8	7409.6	7826.6	8579.5	9328.9	10127.4	10640.0	11023.5	10964.2	10821.3	10379.2
47.5°	4952.0	5303.1	5675.5	6142.4	6579.0	7485.1	7417.9	8033.8	7590.2	7892.7	7226.8
50°	3932.4	4128.6	4329.3	4577.0	4805.2	5042.0	5190.0	5300.5	5286.2	5238.6	5111.1
52.5°	3345.4	3406.2	3505.0	3645.9	3773.3	3901.3	3985.6	4054.2	4055.5	4036.3	3971.8
55°	2796.1	2873.1	2944.2	3036.3	3193.1	3217.2	3338.0	3313.6	3323.0	3289.5	3323.8
57.5°	2465.3	2510.1	2550.0	2604.8	2650.2	2703.1	2734.3	2764.4	2761.5	2755.0	2722.1
60°	2230.9	2255.6	2277.8	2309.8	2334.7	2364.6	2378.9	2394.3	2389.2	2378.1	2348.9
62.5°	2050.2	2065.6	2078.3	2098.9	2114.1	2132.6	2140.2	2146.6	2140.2	2129.6	2103.8
65°	1871.9	1881.9	1889.9	1905.4	1916.1	1932.0	1938.3	1944.4	1938.5	1930.3	1910.5
67.5°	1711.1	1712.0	1711.3	1717.5	1720.8	1730.3	1733.3	1737.7	1730.7	1723.7	1707.0
70°	1589.1	1586.6	1583.5	1586.0	1586.6	1591.2	1591.9	1591.2	1582.9	1570.7	1552.4
72.5°	1493.7	1492.4	1490.1	1492.2	1492.2	1496.3	1495.0	1492.9	1482.8	1470.9	1453.0
75°	1371.1	1370.2	1365.6	1365.8	1361.9	1363.4	1358.3	1355.5	1344.2	1334.2	1318.2
77.5°	1227.8	1225.4	1218.8	1216.2	1209.0	1206.0	1196.6	1191.9	1180.4	1172.5	1158.6
80°	1067.7	1065.2	1056.5	1051.8	1040.3	1033.0	1019.2	1011.4	998.2	990.3	976.9
82.5°	882.5	883.5	874.9	869.0	852.5	839.8	821.4	811.4	796.9	789.2	775.5
85°	627.7	618.6	623.5	623.1	612.8	601.8	586.8	576.3	564.1	556.8	547.1
87.5°	344.3	346.4	343.9	341.7	334.5	328.9	317.2	311.2	302.2	297.8	290.5
90°	92.6	92.5	84.4	84.5	76.4	73.5	64.0	62.4	53.8	52.5	46.2
92.5°	42.5	40.5	38.7	36.3	34.7	32.7	30.6	28.6	26.5	25.4	25.2
95°	52.4	49.6	46.7	43.8	40.8	37.8	35.1	32.2	29.3	28.7	28.1
97.5°	59.2	55.7	52.3	49.0	45.5	42.1	38.8	35.3	31.9	31.5	31.1
100°	99.8	92.0	84.0	76.1	68.2	60.2	52.5	44.5	36.7	36.3	35.8
102.5°	217.8	198.7	179.6	160.4	141.5	122.1	103.0	83.6	64.5	61.6	58.9
105°	381.2	351.9	323.3	294.2	265.1	236.0	207.1	177.8	148.7	139.4	130.1
107.5°	499.7	472.3	445.4	418.2	390.8	363.7	336.4	309.1	281.7	265.4	249.0
110°	554.5	533.1	511.9	490.4	469.0	447.5	425.9	404.4	382.9	368.8	355.1



TEST NUMBER: P1444419
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL12

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	550.7	535.3	520.0	504.3	489.1	473.3	457.9	442.2	426.5	418.2	410.0
115°	502.6	493.6	484.7	475.7	466.7	457.7	448.7	439.2	430.0	426.0	422.0
117.5°	445.3	441.0	437.2	433.0	428.8	424.4	420.3	415.9	411.6	410.7	409.5
120°	387.7	387.1	386.2	385.6	385.1	384.5	383.6	382.9	382.0	382.9	383.9
122.5°	340.5	342.2	344.0	345.3	347.1	348.4	350.2	351.2	352.7	354.9	356.9
125°	309.6	312.1	314.8	317.2	319.7	322.2	324.9	326.9	329.5	331.6	334.0
127.5°	289.5	292.1	295.1	297.8	300.7	303.3	306.1	308.6	311.4	313.5	316.0
130°	277.6	280.0	282.9	285.3	288.2	290.8	293.3	295.9	298.5	300.7	302.9
132.5°	271.1	273.7	276.4	278.7	281.5	283.7	286.4	288.8	291.6	293.4	295.6
135°	270.0	272.0	274.3	276.3	278.8	280.7	283.0	285.3	287.9	289.7	291.7
137.5°	269.6	271.4	273.6	275.4	277.6	279.3	281.7	283.7	286.3	287.7	289.8
140°	270.2	272.1	274.0	275.9	277.9	279.8	282.3	284.3	286.8	288.4	290.3
142.5°	272.4	273.6	275.4	277.0	278.8	280.3	282.4	284.4	286.7	288.5	290.1
145°	273.6	275.1	276.9	278.3	280.0	281.8	284.1	286.2	288.4	289.9	291.6
147.5°	276.3	277.4	279.1	280.4	282.1	283.4	285.6	287.4	289.6	291.2	292.6
150°	278.0	279.1	280.5	281.7	283.4	285.0	287.0	288.9	291.3	292.7	294.1
152.5°	279.6	280.7	282.1	283.7	285.2	287.0	289.0	290.9	293.0	294.2	295.9
155°	281.9	282.9	284.4	286.1	287.8	289.2	291.1	292.8	294.8	296.3	297.7
157.5°	285.7	286.7	288.2	289.7	291.1	292.6	294.5	296.0	297.9	299.0	300.2
160°	290.4	291.5	292.8	294.3	295.6	297.2	298.7	300.2	301.7	302.8	304.0
162.5°	295.7	296.9	298.4	299.5	301.0	302.4	304.0	305.2	306.8	307.7	309.0
165°	302.2	303.3	304.5	305.4	306.6	307.4	309.0	310.0	311.5	312.1	313.4
167.5°	310.6	311.2	312.1	312.9	314.0	314.8	316.0	316.8	317.9	318.8	319.8
170°	316.6	317.3	317.9	318.7	319.6	320.4	321.2	321.8	323.0	323.7	324.4
172.5°	322.9	323.1	323.7	324.1	324.6	325.0	325.7	326.2	326.7	327.5	328.0
175°	328.4	328.4	328.7	328.8	328.9	329.2	329.7	330.1	330.4	330.9	331.2
177.5°	332.5	332.6	332.6	332.7	333.2	333.3	333.5	333.6	333.8	334.0	334.4
180°	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9



TEST NUMBER: P1444419
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL12

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1
2.5°	51493.5	51493.0	51491.3	51489.0	51486.6	51488.0	51490.3	51496.2	51506.6	51521.6	51541.0
5°	51312.8	51323.3	51329.2	51330.0	51324.7	51321.4	51326.4	51340.5	51369.1	51416.9	51481.7
7.5°	51123.2	51136.2	51156.2	51171.1	51174.0	51170.3	51171.1	51193.3	51246.0	51339.2	51470.0
10°	50920.8	50882.4	50902.6	50939.8	50969.3	50974.7	50978.3	51004.5	51081.5	51222.4	51432.5
12.5°	50733.9	50612.1	50588.6	50622.1	50666.9	50681.3	50677.3	50688.6	50778.7	50965.3	51258.0
15°	50488.1	50258.9	50180.6	50189.2	50244.6	50264.4	50249.9	50227.7	50315.6	50543.2	50922.2
17.5°	50090.2	49720.7	49576.7	49570.4	49635.0	49652.3	49616.7	49547.8	49634.3	49918.5	50389.0
20°	49485.3	48939.8	48668.7	48625.6	48695.9	48675.4	48604.3	48500.2	48613.9	48959.4	49518.9
22.5°	48397.9	47706.7	47243.5	47094.2	47178.2	47122.1	47018.6	46885.5	47036.6	47429.1	48052.1
25°	46621.0	45822.4	45188.2	44832.5	44899.5	44798.9	44686.2	44525.0	44705.2	45155.7	45841.5
27.5°	44009.3	43086.7	42300.9	41712.0	41733.6	41601.9	41472.0	41263.4	41488.3	42021.5	42795.1
30°	40536.3	39468.8	38511.8	37711.4	37639.8	37512.1	37379.0	37105.2	37386.7	38025.1	38929.0
32.5°	36174.8	34989.6	33883.8	32871.8	32680.9	32556.3	32437.7	32122.6	32491.2	33235.5	34274.0
35°	31074.3	29811.6	28612.8	27457.0	27140.7	27016.1	26912.5	26610.6	27070.5	27880.4	29002.1
37.5°	25475.6	24185.8	22995.6	21810.3	21363.5	21194.4	21119.2	20921.3	21451.9	22253.1	23379.3
40°	19728.1	18528.9	17461.8	16414.9	15905.5	15646.8	15607.3	15571.3	16084.3	16779.4	17801.6
42.5°	14351.4	13383.9	12561.0	11760.9	11299.3	10945.9	10945.8	11053.0	11514.8	12035.5	12823.8
45°	9927.3	9278.1	8753.8	8219.1	8362.0	7657.7	8071.5	7859.2	8087.4	8423.0	8935.7
47.5°	6824.1	6469.6	6181.6	5883.0	5665.2	5457.3	5475.4	5609.5	5824.6	6023.6	6290.4
50°	4973.7	4793.1	4646.3	4491.3	4382.9	4291.2	4296.5	4354.5	4467.5	4572.5	4712.0
52.5°	3897.2	3797.6	3717.9	3632.1	3575.3	3529.7	3532.2	3560.4	3621.4	3681.3	3761.4
55°	3212.3	3200.1	3096.5	3019.6	2990.3	2959.7	2965.2	2976.3	3017.9	3052.9	3105.9
57.5°	2691.8	2645.3	2614.2	2573.7	2555.1	2533.6	2538.4	2542.6	2570.4	2593.9	2632.1
60°	2324.3	2291.4	2269.3	2241.8	2229.6	2216.0	2219.0	2221.5	2239.4	2254.6	2282.1
62.5°	2080.3	2050.7	2031.6	2010.3	2001.7	1992.5	1994.6	1995.4	2006.5	2017.8	2038.5
65°	1893.0	1869.6	1853.7	1835.3	1826.3	1816.7	1817.7	1817.7	1827.1	1835.3	1850.8
67.5°	1694.9	1677.4	1667.0	1652.4	1646.3	1636.6	1636.4	1633.3	1639.4	1642.7	1653.2
70°	1536.0	1518.2	1505.0	1491.0	1483.3	1474.8	1475.0	1475.2	1482.2	1489.7	1503.3
72.5°	1437.8	1420.8	1409.1	1396.9	1389.6	1382.2	1380.9	1380.2	1385.4	1389.4	1398.4
75°	1307.8	1294.1	1287.3	1275.8	1270.0	1261.9	1260.5	1256.7	1259.1	1259.9	1266.6
77.5°	1150.1	1137.1	1131.6	1120.0	1115.1	1105.8	1105.1	1100.8	1102.7	1101.4	1106.6
80°	970.3	958.6	955.4	945.9	943.6	934.9	933.6	928.5	930.0	926.0	927.9
82.5°	769.6	758.9	756.5	747.7	747.7	739.9	739.5	731.6	731.6	725.0	714.2
85°	542.0	534.3	530.9	523.7	521.6	515.3	512.0	504.5	501.9	497.0	495.5
87.5°	286.1	281.1	276.7	273.2	266.9	255.6	254.7	246.8	247.4	241.9	242.3
90°	45.6	40.0	39.7	34.5	33.7	30.4	30.1	29.2	29.4	28.8	29.1
92.5°	24.5	23.8	23.2	22.5	21.8	21.2	20.5	21.2	21.8	22.5	23.2
95°	27.4	26.8	26.3	25.7	25.1	24.5	23.9	24.5	25.1	25.9	26.5
97.5°	30.8	30.4	30.0	29.6	29.3	28.9	28.5	29.0	29.4	29.7	30.1
100°	35.4	34.9	34.5	34.0	33.6	33.1	32.7	33.5	34.0	34.4	34.9
102.5°	56.3	53.5	50.8	47.9	45.1	42.4	39.6	42.4	45.1	48.1	51.0
105°	120.6	111.4	102.0	92.6	83.1	73.8	64.4	74.0	83.3	92.8	102.4
107.5°	232.4	216.2	199.7	183.2	166.5	150.0	133.5	150.2	166.8	183.4	200.0
110°	340.8	326.7	312.5	298.4	284.1	270.0	255.7	270.2	284.5	298.8	313.1



TEST NUMBER: P1444419
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL12

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	401.4	393.0	384.5	376.2	367.4	359.0	350.2	359.4	368.1	377.1	385.6
115°	417.7	413.5	409.5	405.1	400.6	396.3	391.7	396.9	401.6	406.3	411.0
117.5°	408.3	407.4	406.1	405.0	403.7	402.5	401.0	402.9	404.6	406.7	408.0
120°	384.4	385.6	386.3	387.0	387.8	388.3	388.7	389.1	389.1	389.1	388.9
122.5°	358.9	361.0	362.7	364.7	366.5	368.2	369.5	368.9	368.0	367.2	365.8
125°	336.0	338.5	340.3	342.6	344.3	346.4	347.5	347.3	346.4	345.4	344.0
127.5°	318.3	320.5	322.4	324.7	326.4	328.2	329.5	329.3	328.5	327.6	326.4
130°	304.9	307.3	309.0	311.0	312.6	314.0	315.1	315.2	314.7	314.4	313.4
132.5°	297.6	299.8	301.6	303.4	304.6	306.3	307.0	307.4	307.1	307.0	306.1
135°	293.6	295.4	297.2	299.2	300.3	301.5	302.2	302.9	302.8	302.8	302.1
137.5°	291.3	293.3	294.7	296.1	297.3	298.3	298.9	299.7	299.8	300.3	299.9
140°	291.9	293.8	295.4	296.7	298.2	299.3	299.8	300.7	300.9	301.0	300.6
142.5°	291.9	293.6	295.3	296.8	297.9	299.0	299.7	300.4	300.6	300.7	300.5
145°	293.2	294.7	296.3	297.9	298.7	299.6	300.0	301.0	301.2	301.5	301.5
147.5°	294.1	295.8	296.8	298.2	299.2	300.0	300.6	301.1	301.6	301.8	301.8
150°	295.8	297.3	298.6	299.8	300.9	301.8	302.1	302.9	303.2	303.4	303.3
152.5°	297.3	298.5	299.7	300.8	301.9	302.6	303.0	303.7	304.4	304.8	304.9
155°	298.9	300.2	301.3	302.5	303.2	304.2	304.9	305.7	306.3	306.6	307.0
157.5°	301.3	302.6	303.6	304.7	305.5	306.6	307.4	308.4	309.0	309.8	310.1
160°	304.9	306.3	307.0	308.2	309.2	310.2	310.9	311.9	312.6	313.2	314.0
162.5°	309.9	311.1	311.6	312.8	313.7	314.7	315.4	316.4	317.1	317.9	318.5
165°	314.3	315.4	316.2	317.3	318.2	319.3	320.0	320.9	321.4	322.1	322.6
167.5°	320.5	321.6	322.2	323.3	323.8	324.9	325.8	326.4	326.9	327.5	327.9
170°	325.1	326.0	326.7	327.4	328.2	329.0	329.5	330.0	330.5	331.1	331.6
172.5°	328.6	329.4	330.0	330.9	331.5	332.2	332.8	333.3	333.6	333.8	333.9
175°	331.6	332.2	332.6	333.1	333.5	334.0	334.5	334.5	335.0	335.0	335.3
177.5°	334.9	335.5	335.9	336.1	336.6	336.8	337.2	337.0	337.0	336.9	336.7
180°	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9



TEST NUMBER: P1444419
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL12

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1
2.5°	51568.6	51594.5	51633.9	51669.7	51723.6	51766.0	51829.8	51878.2	51950.2	51996.9	52075.3
5°	51573.2	51674.1	51806.8	51936.3	52091.9	52233.2	52408.8	52558.4	52734.9	52878.9	53059.5
7.5°	51646.2	51840.7	52073.9	52308.9	52574.7	52823.2	53103.3	53356.8	53633.9	53868.5	54124.7
10°	51699.9	52000.0	52343.7	52689.5	53053.5	53391.6	53733.1	54028.1	54303.9	54530.8	54731.3
12.5°	51627.0	52040.4	52481.4	52907.2	53312.0	53662.1	53955.8	54182.7	54339.3	54445.5	54470.5
15°	51379.1	51876.5	52356.0	52780.1	53116.0	53375.0	53509.1	53571.8	53504.4	53392.6	53146.8
17.5°	50915.9	51440.5	51869.3	52203.7	52381.2	52451.6	52340.5	52147.2	51769.7	51350.5	50745.2
20°	50066.7	50555.5	50866.5	51048.9	51001.4	50825.9	50406.5	49896.9	49142.9	48339.6	47279.3
22.5°	48577.2	49004.5	49170.2	49183.8	48894.0	48454.4	47698.1	46823.9	45634.5	44398.2	42877.7
25°	46341.3	46715.6	46741.8	46594.8	46064.6	45352.1	44241.5	43004.8	41388.8	39741.3	37835.9
27.5°	43309.1	43668.1	43580.2	43305.8	42569.8	41616.4	40194.5	38596.8	36604.5	34658.6	32550.9
30°	39497.3	39881.2	39778.0	39426.1	38550.7	37423.8	35750.7	33894.5	31682.6	29604.3	27468.3
32.5°	34935.7	35421.1	35349.9	35015.4	34101.9	32895.9	31080.5	29111.8	26848.7	24800.7	22723.0
35°	29751.0	30340.3	30370.8	30152.0	29304.1	28112.1	26319.5	24413.9	22246.2	20313.8	18394.5
37.5°	24164.9	24848.1	24988.5	24929.6	24226.6	23174.5	21541.1	19831.7	17911.4	16217.8	14576.2
40°	18548.0	19239.6	19479.6	19550.8	19032.1	18217.1	16876.6	15496.8	13931.3	12559.0	11255.6
42.5°	13425.7	14038.7	14270.6	14416.5	14092.7	13549.3	12571.4	11569.4	10422.5	9432.7	8483.8
45°	9324.4	9758.0	9934.4	10081.2	9904.9	9598.3	8980.8	8354.1	7597.1	6950.2	6337.9
47.5°	6519.2	6758.4	6874.8	6946.1	6877.6	6717.8	6381.7	6018.7	5591.3	5213.3	4850.0
50°	4832.1	4959.4	5020.4	5061.5	5011.7	4922.9	4741.0	4543.3	4308.6	4094.5	3885.3
52.5°	3829.4	3902.3	3938.5	3960.7	3932.2	3877.8	3771.9	3654.7	3513.9	3381.7	3312.1
55°	3226.0	3222.1	3305.9	3265.4	3305.9	3215.7	3196.7	3067.9	2951.0	2868.7	2779.7
57.5°	2660.4	2698.3	2714.4	2732.4	2720.7	2704.2	2659.2	2613.1	2551.5	2499.9	2445.0
60°	2302.9	2334.1	2351.7	2369.5	2368.4	2362.3	2336.2	2308.6	2270.1	2239.4	2206.0
62.5°	2056.6	2083.7	2101.0	2118.1	2119.6	2117.2	2097.4	2078.3	2052.1	2032.7	2009.7
65°	1862.9	1881.9	1893.7	1907.3	1906.5	1902.9	1885.1	1869.2	1847.6	1834.2	1817.3
67.5°	1660.1	1674.4	1683.6	1696.5	1699.0	1699.8	1690.0	1682.5	1672.0	1668.2	1662.4
70°	1515.9	1533.4	1548.1	1564.4	1573.1	1577.4	1573.1	1569.3	1563.2	1560.5	1556.2
72.5°	1406.7	1421.5	1433.0	1447.7	1456.0	1461.9	1458.7	1456.6	1451.2	1450.4	1447.4
75°	1271.2	1281.3	1287.9	1299.0	1303.4	1309.0	1306.5	1307.8	1306.0	1310.3	1310.1
77.5°	1108.3	1115.8	1118.8	1126.9	1127.7	1134.3	1135.8	1143.7	1149.3	1161.5	1168.0
80°	924.8	929.6	929.6	937.9	941.5	952.8	958.1	971.0	976.9	987.8	988.8
82.5°	718.4	712.9	718.4	715.0	725.5	738.2	739.9	750.8	753.3	760.2	754.8
85°	491.2	490.8	486.3	487.1	483.8	485.4	483.5	485.6	483.7	483.8	478.9
87.5°	235.3	237.4	232.3	234.0	229.0	231.3	226.9	230.4	225.2	225.9	218.2
90°	28.9	29.0	28.8	29.1	30.0	30.8	32.0	32.9	34.7	35.4	36.8
92.5°	23.8	24.6	25.3	25.9	26.6	28.7	30.7	32.8	35.0	36.8	38.8
95°	27.0	27.6	28.3	29.3	29.9	32.8	35.7	38.6	41.6	44.6	47.5
97.5°	30.9	31.3	31.6	32.0	32.6	36.0	39.6	43.0	46.4	49.9	53.2
100°	35.4	35.9	36.3	37.0	37.4	45.4	53.4	61.3	69.3	77.2	85.2
102.5°	53.8	56.6	59.4	62.6	65.4	84.8	104.1	123.4	142.4	161.7	181.0
105°	111.8	121.2	131.1	140.5	149.8	179.1	208.5	237.7	266.6	295.7	325.0
107.5°	216.7	233.3	250.1	266.7	283.2	310.8	338.1	365.5	393.0	420.5	447.5
110°	327.8	341.7	356.4	370.7	385.0	406.5	428.4	449.9	471.6	493.3	514.8



TEST NUMBER: P1444419
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CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	394.5	403.1	411.9	420.1	428.9	444.8	460.8	476.6	492.5	507.7	523.6
115°	415.6	419.6	424.4	428.6	433.3	442.7	451.9	461.3	470.7	479.8	489.2
117.5°	409.7	411.2	412.7	413.7	415.2	419.7	424.4	428.8	433.4	438.0	442.3
120°	388.7	388.1	387.8	387.0	386.5	387.4	388.7	389.5	390.7	391.4	392.2
122.5°	364.7	362.9	361.5	359.8	358.3	356.8	355.8	354.3	353.5	351.9	350.7
125°	342.7	340.9	339.3	337.5	335.5	333.5	331.4	329.0	326.7	324.5	322.3
127.5°	325.4	323.7	322.2	320.3	318.4	315.8	313.5	310.8	308.6	305.8	303.3
130°	312.5	311.0	309.9	307.8	306.5	303.8	301.7	299.2	296.7	294.4	291.9
132.5°	305.5	304.2	303.1	301.3	300.1	297.7	295.7	293.1	290.9	288.5	286.4
135°	301.6	300.6	299.8	298.4	297.0	294.7	293.0	290.9	289.0	287.0	285.0
137.5°	299.7	298.7	297.9	296.8	295.8	293.8	292.3	290.3	288.7	286.7	285.1
140°	300.3	299.6	298.9	298.0	296.8	295.0	293.4	291.4	289.8	288.0	286.3
142.5°	300.0	299.4	298.8	297.9	296.9	295.2	294.1	292.6	291.0	289.6	288.2
145°	301.1	300.5	300.3	299.3	299.0	297.3	296.0	294.2	293.2	291.5	290.3
147.5°	301.9	301.4	301.2	300.7	300.6	299.1	298.3	296.8	296.0	294.6	293.8
150°	303.4	303.3	303.1	302.7	302.4	301.3	300.6	299.4	298.8	297.5	296.7
152.5°	305.0	305.1	305.1	305.0	305.1	304.3	303.5	302.5	301.7	300.7	300.0
155°	307.4	307.6	307.8	307.8	307.8	307.2	306.6	305.8	305.2	304.4	303.8
157.5°	310.5	310.9	311.3	311.5	311.7	311.2	310.7	310.1	309.6	308.9	308.4
160°	314.3	314.9	315.3	315.5	315.8	315.4	315.3	314.5	314.4	313.6	313.0
162.5°	319.0	319.7	320.1	320.3	320.6	320.2	320.1	319.7	319.1	318.3	317.8
165°	323.2	323.3	323.9	324.0	324.3	324.0	323.9	323.6	323.3	322.9	322.6
167.5°	328.4	328.5	329.1	329.1	329.4	329.2	329.6	329.1	328.9	328.7	328.5
170°	331.9	332.2	332.5	332.7	333.0	332.8	332.7	332.5	332.6	332.0	331.8
172.5°	334.3	334.3	334.5	334.8	334.8	334.7	334.7	334.6	334.6	334.5	334.3
175°	335.3	335.4	335.5	335.6	335.6	335.7	335.7	335.8	335.7	335.7	335.6
177.5°	336.8	336.8	336.5	336.5	336.5	336.4	336.5	336.5	336.8	336.7	336.6
180°	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9



TEST NUMBER: P1444419
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CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1
2.5°	52123.7	51801.9	51759.3	51781.9	51835.8	51855.6	51913.7	51929.6	51987.9	52002.3	52058.4
5°	53199.2	52773.7	52795.0	52897.2	53052.2	53144.4	53296.7	53376.3	53521.7	53587.8	53719.1
7.5°	54333.3	53999.3	54103.4	54275.9	54487.7	54634.3	54817.3	54936.3	55093.9	55191.7	55317.9
10°	54890.2	54798.7	54913.3	55049.1	55169.9	55264.5	55342.0	55404.1	55444.7	55482.8	55499.4
12.5°	54466.4	54608.1	54627.7	54614.4	54534.4	54473.3	54336.1	54242.8	54077.2	53976.3	53779.2
15°	52895.5	53207.1	53034.6	52773.4	52391.2	52072.6	51622.7	51287.6	50819.0	50501.2	50030.9
17.5°	50138.6	50531.9	50082.3	49478.0	48709.3	48051.6	47232.6	46582.5	45768.2	45176.0	44416.0
20°	46257.6	46625.1	45823.3	44821.5	43632.3	42631.5	41451.1	40509.4	39412.6	38596.8	37612.2
22.5°	41425.3	41687.0	40557.6	39207.0	37691.9	36441.5	35030.4	33901.4	32649.7	31717.0	30667.1
25°	36079.2	36149.9	34795.1	33239.1	31550.4	30145.2	28638.6	27451.7	26175.1	25229.7	24199.5
27.5°	30683.5	30579.9	29115.4	27465.7	25689.3	24228.7	22759.3	21647.1	20529.0	19677.5	18789.8
30°	25590.6	25339.7	23819.2	22123.4	20399.2	19090.1	17870.2	16976.9	16087.5	15412.0	14699.5
32.5°	20920.2	20566.3	19086.2	17497.6	16044.6	15034.4	14129.8	13453.9	12735.7	12165.1	11567.2
35°	16783.5	16406.5	15095.2	13748.4	12648.8	11904.1	11193.1	10638.7	10028.9	9547.5	9028.1
37.5°	13233.3	12924.3	11826.0	10766.2	9934.4	9357.3	8774.9	8321.6	7817.6	7605.8	7051.0
40°	10216.0	10000.1	9141.3	8360.1	7735.5	7464.4	6873.1	6449.7	6073.1	5762.5	5461.7
42.5°	7968.7	7892.3	7056.5	6447.2	6007.4	5665.8	5336.3	5068.8	4808.4	4594.3	4392.1
45°	5847.9	5787.4	5416.3	5064.6	4764.9	4526.2	4303.5	4119.4	3949.2	3808.1	3679.8
47.5°	4553.7	4534.3	4320.6	4102.6	3913.8	3760.4	3615.9	3493.7	3380.8	3286.5	3255.8
50°	3703.7	3701.2	3575.8	3441.2	3306.8	3218.2	3125.9	3053.6	2981.1	2924.6	2864.9
52.5°	3147.0	3133.3	3048.7	2965.6	2885.7	2827.5	2768.6	2722.4	2674.4	2639.5	2602.4
55°	2709.2	2723.6	2674.6	2624.9	2575.0	2538.7	2497.5	2467.0	2434.0	2412.0	2389.6
57.5°	2405.2	2424.1	2398.4	2370.3	2339.9	2316.1	2287.6	2266.5	2244.5	2230.5	2217.5
60°	2184.0	2204.7	2194.4	2180.1	2161.4	2147.3	2129.0	2117.4	2103.2	2095.3	2088.0
62.5°	1996.3	2022.2	2018.5	2011.8	1999.7	1992.0	1982.0	1976.8	1967.4	1964.0	1960.5
65°	1809.0	1838.2	1837.6	1834.4	1827.6	1825.4	1819.2	1818.1	1813.3	1815.2	1814.8
67.5°	1661.8	1687.1	1692.7	1696.6	1696.5	1698.0	1697.4	1700.0	1700.0	1703.6	1705.9
70°	1555.6	1573.1	1577.4	1581.6	1582.7	1586.1	1586.1	1588.3	1587.8	1590.8	1591.2
72.5°	1448.1	1471.3	1475.6	1479.0	1479.0	1482.2	1480.5	1479.9	1475.4	1474.4	1471.1
75°	1314.5	1344.2	1350.6	1354.9	1355.5	1358.3	1354.3	1351.9	1344.2	1341.1	1335.7
77.5°	1174.9	1205.8	1210.3	1211.8	1209.4	1210.0	1201.5	1195.8	1186.0	1181.9	1176.8
80°	993.2	1038.6	1042.2	1039.4	1032.2	1031.1	1022.8	1017.5	1005.9	1001.8	997.4
82.5°	755.7	809.0	816.5	819.7	814.0	815.3	807.5	804.4	793.7	791.8	784.7
85°	477.2	530.4	539.2	537.9	532.1	530.7	526.2	527.7	526.8	529.6	531.1
87.5°	219.3	270.7	283.2	279.2	278.6	275.0	266.7	269.8	274.8	278.0	278.2
90°	37.9	54.7	55.4	55.9	51.5	51.2	47.1	47.9	44.6	45.1	42.0
92.5°	41.0	43.0	45.0	43.2	41.4	39.6	37.7	35.8	34.1	32.2	30.5
95°	50.4	53.0	55.9	53.5	50.9	48.4	46.0	43.7	41.3	38.8	36.4
97.5°	56.6	59.7	63.1	60.6	58.2	55.6	53.2	50.9	48.4	45.8	43.4
100°	93.1	100.4	108.2	101.3	94.2	87.4	80.5	73.6	66.7	59.8	52.8
102.5°	200.1	218.9	237.8	220.3	202.8	185.3	167.9	150.5	133.2	115.4	98.2
105°	353.9	382.3	411.2	384.1	357.6	331.0	304.3	277.8	251.1	224.3	197.9
107.5°	474.8	500.9	527.6	503.3	479.2	455.1	430.6	406.5	382.3	358.0	334.1
110°	536.3	556.1	577.2	560.5	544.2	527.5	511.2	494.5	478.2	462.0	445.8



TEST NUMBER: P1444419
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL12

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	539.1	552.4	567.5	557.2	547.4	537.4	527.5	517.5	507.8	497.8	488.5
115°	497.9	504.5	513.0	508.2	504.0	499.5	495.0	490.9	486.4	482.1	478.2
117.5°	446.6	447.8	451.1	449.4	448.0	446.2	444.8	443.2	441.9	440.5	439.3
120°	393.0	390.4	390.2	389.3	389.0	388.2	387.8	387.2	386.9	386.3	386.2
122.5°	349.2	344.0	341.3	340.5	339.8	338.8	338.3	337.4	336.9	336.3	335.9
125°	319.9	313.2	309.7	307.6	305.7	303.7	301.7	299.7	298.1	296.2	294.5
127.5°	300.7	293.5	289.7	286.9	284.0	280.9	278.1	275.1	272.4	269.3	266.9
130°	289.6	282.1	278.5	275.1	272.0	268.4	265.4	262.0	258.6	255.4	252.1
132.5°	283.9	276.4	272.7	269.6	266.7	263.1	260.2	256.6	253.5	249.9	247.0
135°	282.9	275.4	272.1	268.9	266.4	263.1	260.1	257.0	254.1	250.7	248.1
137.5°	283.0	275.4	272.4	269.7	267.4	264.7	262.3	259.5	257.0	253.9	251.6
140°	284.3	276.4	273.3	271.6	270.0	267.9	266.0	264.1	262.2	260.3	258.3
142.5°	286.7	278.7	275.9	274.4	273.3	271.6	270.7	269.2	267.8	265.8	264.5
145°	288.9	280.1	277.4	276.3	276.0	275.1	274.3	273.4	272.7	271.6	270.9
147.5°	292.3	283.3	280.3	280.0	279.6	278.9	278.8	278.0	277.8	277.2	276.8
150°	295.3	285.1	281.7	281.6	281.4	281.3	281.2	280.9	281.1	280.8	280.7
152.5°	298.8	286.5	282.6	282.5	282.8	282.5	282.6	282.8	283.1	283.2	283.3
155°	302.6	289.2	284.9	284.5	284.4	284.5	284.4	284.6	284.7	284.9	285.2
157.5°	307.3	293.0	288.9	288.3	288.1	288.0	287.9	287.9	288.0	288.1	288.5
160°	312.4	297.9	293.6	293.0	292.8	292.5	292.2	292.0	292.1	292.2	292.4
162.5°	317.1	303.0	299.0	298.3	297.8	297.5	297.4	296.7	296.8	296.7	296.9
165°	321.9	309.3	305.3	304.7	304.5	304.0	303.9	303.6	303.6	303.5	303.7
167.5°	327.8	316.5	313.5	312.9	312.3	311.8	311.8	311.0	311.0	310.6	310.6
170°	331.4	322.4	319.8	319.4	319.6	319.1	318.8	318.7	318.6	318.3	318.4
172.5°	334.0	327.4	325.4	325.3	325.5	325.4	325.6	325.6	325.8	325.9	326.1
175°	335.5	331.7	330.8	330.5	330.5	330.6	330.8	330.8	330.9	331.0	331.3
177.5°	336.8	335.7	335.2	335.2	335.2	335.2	335.2	335.2	335.2	335.4	335.4
180°	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9



TEST NUMBER: P1444419
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1
2.5°	52068.9	52129.7	52125.0	52181.7	52178.8	52232.3	52221.5	52267.7	52257.1	52296.6	52273.5
5°	53776.9	53892.4	53930.4	54034.7	54056.3	54149.5	54151.4	54225.6	54216.6	54274.6	54243.7
7.5°	55392.6	55500.4	55551.5	55632.5	55672.9	55740.0	55766.2	55821.3	55834.5	55867.1	55866.1
10°	55528.9	55528.6	55553.8	55542.5	55565.1	55552.1	55579.7	55569.8	55610.5	55599.9	55630.8
12.5°	53694.2	53512.1	53445.6	53282.2	53246.3	53106.0	53116.0	53026.0	53069.4	53014.1	53108.3
15°	49751.1	49328.7	49120.0	48752.8	48637.4	48347.2	48323.6	48130.8	48182.9	48082.0	48229.5
17.5°	43924.3	43259.3	42894.3	42358.0	42145.0	41734.6	41652.2	41404.0	41442.6	41317.5	41495.5
20°	36977.1	36173.5	35713.2	35092.9	34816.3	34326.9	34197.0	33919.5	33954.3	33829.8	34031.2
22.5°	29950.7	29109.4	28589.8	27939.7	27586.5	27126.2	26988.1	26709.1	26725.1	26608.2	26802.0
25°	23493.7	22687.2	22182.8	21592.3	21285.8	20863.7	20718.6	20468.2	20482.3	20386.0	20559.9
27.5°	18174.0	17512.3	17090.2	16595.3	16320.6	15973.6	15832.1	15621.4	15620.9	15550.2	15695.6
30°	14202.1	13649.9	13270.9	12839.9	12581.7	12268.7	12132.0	11943.5	11935.4	11885.2	12000.6
32.5°	11119.9	10628.7	10283.1	9903.7	9672.1	9403.5	9274.0	9122.6	9108.7	9063.3	9158.2
35°	8644.2	8230.6	7933.5	7614.1	7637.6	7241.3	7307.2	6999.2	6915.8	6897.6	6968.1
37.5°	6681.0	6360.6	6119.2	5880.0	5718.1	5550.5	5460.3	5379.4	5370.2	5362.3	5411.7
40°	5229.4	5005.2	4829.6	4665.5	4554.1	4451.8	4395.4	4350.9	4340.4	4334.5	4364.3
42.5°	4232.5	4081.1	3968.0	3867.8	3800.1	3744.5	3713.5	3688.8	3680.5	3680.7	3698.4
45°	3575.8	3484.1	3411.1	3349.0	3305.7	3324.7	3268.7	3298.0	3259.4	3299.3	3272.9
47.5°	3149.0	3070.9	3025.7	2981.7	2955.5	2934.4	2935.2	2935.6	2943.8	2945.1	2953.7
50°	2819.7	2774.5	2743.1	2714.9	2701.4	2690.3	2694.1	2697.0	2705.0	2705.5	2711.9
52.5°	2576.0	2546.3	2527.3	2509.9	2503.7	2497.5	2500.1	2499.0	2502.6	2500.7	2505.9
55°	2377.6	2363.6	2357.6	2351.2	2352.1	2350.4	2351.6	2345.2	2341.4	2336.6	2341.0
57.5°	2214.9	2212.9	2216.9	2219.6	2227.1	2229.8	2231.5	2224.2	2217.3	2211.0	2214.7
60°	2089.4	2092.5	2102.5	2110.4	2121.2	2126.2	2129.2	2125.1	2120.0	2114.9	2117.9
62.5°	1965.7	1970.5	1982.4	1991.4	2004.4	2011.0	2018.5	2018.9	2020.8	2018.9	2021.0
65°	1822.1	1828.0	1838.8	1846.3	1858.3	1864.2	1871.9	1873.2	1877.4	1876.4	1880.1
67.5°	1713.0	1718.3	1727.3	1734.4	1745.2	1751.2	1758.0	1758.4	1759.9	1759.5	1762.9
70°	1596.5	1599.3	1607.2	1613.2	1623.9	1630.2	1637.9	1640.2	1645.0	1645.8	1649.6
72.5°	1472.4	1471.3	1476.1	1478.8	1486.9	1491.8	1501.6	1506.9	1515.0	1517.0	1520.0
75°	1337.2	1336.1	1341.9	1344.2	1351.1	1356.0	1367.0	1374.1	1386.5	1391.6	1390.3
77.5°	1180.8	1183.6	1194.3	1200.2	1209.4	1215.6	1229.9	1241.2	1264.0	1273.9	1263.8
80°	1005.9	1008.7	1019.8	1025.3	1037.5	1045.1	1061.0	1074.2	1094.7	1099.1	1093.4
82.5°	790.8	791.6	801.5	805.7	821.4	832.7	852.8	863.4	876.0	874.1	872.6
85°	539.2	546.5	558.9	571.4	590.5	608.9	627.9	643.5	632.4	649.9	630.3
87.5°	288.2	287.4	304.2	301.6	328.4	343.9	360.3	368.2	377.1	375.2	375.4
90°	43.3	40.7	42.3	39.4	42.3	38.8	43.2	40.3	45.5	41.4	48.3
92.5°	28.6	27.6	26.6	25.7	24.6	23.8	22.7	21.7	20.8	19.8	20.8
95°	34.0	33.1	32.2	31.1	30.2	29.4	28.5	27.5	26.6	25.7	26.8
97.5°	41.0	40.5	40.0	39.4	38.8	38.3	37.8	37.2	36.5	36.0	36.7
100°	45.9	45.9	45.9	45.9	45.5	45.5	45.5	45.5	45.5	45.5	46.1
102.5°	80.6	78.9	77.2	75.3	73.6	71.7	70.0	68.3	66.6	64.9	67.4
105°	171.2	164.5	157.5	150.6	143.7	136.9	130.2	123.3	116.5	109.8	116.7
107.5°	310.2	297.7	285.0	272.7	260.2	247.8	235.5	223.2	210.8	198.5	209.6
110°	429.4	416.1	402.8	389.7	376.4	363.1	350.0	336.9	323.8	310.7	321.2



TEST NUMBER: P1444419
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	478.8	469.7	461.1	452.4	443.8	435.4	426.8	418.3	410.0	401.5	406.6
115°	473.9	469.7	465.4	461.1	457.0	452.5	448.5	444.5	440.5	436.5	436.8
117.5°	438.1	436.3	434.7	433.0	431.2	429.8	428.3	427.0	425.6	424.5	421.7
120°	386.1	385.9	385.6	385.8	386.0	386.3	386.2	386.9	387.4	387.9	384.0
122.5°	335.5	335.7	336.0	336.6	337.2	337.9	338.6	339.8	340.9	342.1	338.2
125°	292.7	292.9	293.0	293.5	293.6	294.5	295.2	296.4	297.5	298.7	295.4
127.5°	264.3	263.6	262.7	262.5	262.1	262.2	262.3	262.7	263.2	264.0	261.9
130°	248.9	247.5	246.1	244.9	243.7	243.1	242.6	242.1	241.8	241.8	241.1
132.5°	243.7	241.7	239.7	238.0	236.4	235.3	233.9	233.3	232.5	232.1	232.0
135°	244.7	242.5	240.2	238.1	236.1	234.9	233.3	232.4	231.3	230.6	231.2
137.5°	248.9	246.8	244.4	242.5	240.4	239.1	237.5	236.4	235.5	234.8	235.5
140°	256.3	254.1	251.8	249.9	248.3	246.8	245.3	244.4	243.2	242.8	243.2
142.5°	262.8	261.3	259.1	257.5	255.7	254.6	253.4	252.5	251.2	251.0	251.5
145°	269.8	268.5	266.9	265.6	264.4	263.7	262.3	261.8	261.2	261.2	261.5
147.5°	276.1	275.3	273.7	273.0	271.7	271.3	270.4	270.2	269.7	269.7	269.9
150°	280.4	279.9	279.1	278.6	277.9	277.6	277.1	277.0	276.7	276.8	276.9
152.5°	283.4	283.1	282.4	282.1	281.6	281.5	281.2	281.3	281.2	281.3	281.3
155°	285.4	285.2	285.1	285.0	284.9	285.3	285.2	285.6	285.7	286.1	286.3
157.5°	288.6	288.8	288.8	289.3	289.4	289.8	289.9	290.5	290.7	291.4	291.8
160°	292.9	293.2	293.2	293.6	293.8	294.1	294.5	294.9	295.3	295.8	296.2
162.5°	297.0	297.7	297.9	298.3	298.8	299.2	299.8	300.5	300.9	301.7	302.2
165°	303.8	303.9	304.0	304.2	304.6	304.9	305.2	306.0	306.2	306.9	307.6
167.5°	310.4	310.7	310.6	310.8	311.1	311.6	311.9	312.5	312.9	313.8	314.3
170°	318.1	318.1	318.1	318.1	318.1	318.5	318.7	318.8	319.0	319.7	320.0
172.5°	326.0	326.0	325.6	326.0	325.6	326.0	326.0	326.2	326.2	326.3	326.4
175°	331.1	331.5	331.6	331.8	331.7	331.8	331.9	331.9	332.0	332.3	332.3
177.5°	335.4	335.6	335.6	335.6	335.6	335.8	335.8	335.8	335.8	335.6	335.7
180°	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9



TEST NUMBER: P1444419
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CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1
2.5°	52311.9	52285.7	52312.5	52285.3	52312.5	52279.9	52302.0	52266.7	52275.8	52239.2	52248.5
5°	54289.9	54248.2	54270.4	54216.2	54221.9	54149.5	54148.2	54063.9	54041.7	53945.8	53903.7
7.5°	55889.3	55875.7	55883.4	55848.6	55844.5	55795.1	55771.6	55701.8	55658.0	55569.8	55509.4
10°	55636.2	55676.9	55687.5	55729.0	55737.7	55778.8	55787.4	55828.6	55837.3	55867.6	55868.0
12.5°	53103.9	53242.3	53275.4	53446.4	53518.5	53714.1	53819.1	54034.7	54162.7	54377.7	54509.9
15°	48225.5	48465.0	48560.5	48894.4	49079.2	49469.1	49713.9	50161.6	50477.5	50953.0	51292.1
17.5°	41511.3	41846.0	41997.1	42449.9	42745.4	43320.7	43735.5	44418.1	44940.7	45699.2	46300.5
20°	34065.7	34437.8	34642.8	35159.4	35508.1	36180.3	36698.1	37537.0	38236.5	39197.6	40019.7
22.5°	26862.7	27216.8	27444.4	27970.0	28362.6	29063.7	29642.4	30527.8	31311.5	32394.7	33380.2
25°	20625.6	20949.9	21155.7	21631.1	21999.7	22644.1	23196.7	24048.2	24815.0	25901.5	26912.1
27.5°	15767.9	16039.7	16238.0	16643.4	16968.6	17515.0	17989.7	18693.3	19354.1	20294.1	21194.0
30°	12071.7	12312.5	12505.5	12858.6	13160.0	13633.7	14051.1	14642.2	15189.1	15937.1	16652.9
32.5°	9224.8	9432.1	9604.1	9913.1	10186.6	10613.2	10989.2	11507.3	11976.7	12611.1	13200.0
35°	7033.5	7441.6	7412.6	7838.9	7907.4	8213.6	8549.1	9002.1	9417.8	9957.2	10458.5
37.5°	5459.2	5573.9	5696.8	5885.2	6083.3	6361.8	6645.2	7198.8	7401.7	7809.4	8224.4
40°	4402.3	4479.8	4561.0	4688.3	4827.0	5023.2	5229.6	5493.7	5764.2	6094.8	6432.3
42.5°	3721.7	3765.6	3817.2	3892.1	3977.6	4102.0	4240.0	4419.1	4607.3	4840.0	5077.4
45°	3325.2	3304.3	3319.6	3359.9	3411.3	3487.0	3574.1	3685.0	3807.6	3958.2	4118.6
47.5°	2955.5	2963.8	2968.5	2990.3	3017.9	3068.6	3121.4	3196.7	3342.0	3386.3	3473.8
50°	2711.3	2715.3	2714.0	2725.1	2739.0	2772.0	2806.3	2857.2	2908.1	2975.5	3039.9
52.5°	2506.7	2512.4	2511.6	2518.9	2526.3	2547.2	2568.8	2604.8	2638.1	2681.0	2718.0
55°	2345.0	2352.9	2355.9	2362.1	2365.7	2376.6	2385.3	2402.4	2416.7	2441.0	2463.4
57.5°	2220.7	2231.5	2236.4	2238.6	2234.1	2233.6	2230.7	2234.3	2237.3	2250.3	2262.9
60°	2122.9	2131.5	2132.8	2131.5	2123.4	2117.7	2108.5	2105.7	2104.2	2110.4	2117.4
62.5°	2020.4	2023.5	2021.4	2018.9	2009.7	2004.2	1994.6	1991.2	1987.9	1992.3	1996.0
65°	1878.8	1881.5	1878.8	1877.2	1869.0	1864.6	1856.6	1853.8	1849.3	1850.4	1849.7
67.5°	1763.7	1766.4	1764.2	1762.1	1756.5	1753.7	1747.8	1744.0	1738.4	1736.3	1732.5
70°	1649.0	1651.1	1647.9	1645.8	1639.2	1636.7	1631.1	1630.0	1625.6	1624.7	1620.3
72.5°	1517.0	1517.2	1512.7	1511.3	1506.5	1506.3	1504.0	1506.1	1505.9	1508.3	1507.3
75°	1382.1	1380.2	1374.5	1373.5	1369.8	1371.5	1369.0	1372.3	1372.7	1377.7	1378.3
77.5°	1246.9	1239.9	1228.9	1223.7	1216.5	1215.5	1211.3	1214.1	1213.2	1219.0	1221.2
80°	1076.1	1067.5	1053.5	1046.8	1038.2	1036.8	1033.0	1036.8	1034.9	1041.6	1046.4
82.5°	859.2	851.7	837.2	831.8	821.8	822.7	818.6	822.7	822.2	832.1	837.9
85°	635.5	630.5	615.6	602.4	587.6	579.1	570.6	569.1	566.6	570.6	574.0
87.5°	367.1	362.4	350.8	343.2	317.2	318.4	308.2	307.7	305.2	302.9	308.2
90°	45.5	51.3	48.7	53.9	52.2	58.2	57.1	62.9	60.4	65.6	64.3
92.5°	21.7	22.7	23.7	24.6	25.6	26.6	27.5	28.6	30.7	32.4	34.9
95°	27.9	29.2	30.3	31.4	32.5	33.7	34.8	35.9	39.0	42.1	45.2
97.5°	37.7	38.2	39.0	39.8	40.6	41.3	42.1	42.8	46.3	49.6	53.0
100°	46.7	47.3	47.9	48.5	49.1	49.7	50.3	51.0	57.7	64.2	70.5
102.5°	70.0	72.5	75.1	77.7	80.4	82.9	85.6	88.1	103.0	117.6	132.4
105°	123.8	130.8	138.0	145.0	152.1	159.0	166.3	173.2	197.0	220.5	244.3
107.5°	220.6	231.7	242.8	254.0	265.1	276.4	287.4	298.7	321.7	345.0	368.0
110°	331.8	342.5	353.0	363.7	374.3	385.0	395.8	406.7	420.8	434.7	448.8



TEST NUMBER: P1444419
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL12

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	411.9	416.9	422.3	427.6	433.0	438.4	443.8	449.3	456.6	463.7	471.2
115°	437.2	437.5	438.2	438.6	439.3	439.8	440.8	441.5	444.4	447.0	449.8
117.5°	418.9	416.3	413.8	411.2	408.6	406.5	404.2	402.2	402.3	402.5	403.0
120°	380.8	377.2	373.6	369.9	366.9	363.5	360.7	357.8	356.9	355.9	355.2
122.5°	334.8	331.4	328.0	324.7	321.7	318.7	316.0	313.4	313.1	312.9	312.9
125°	292.6	290.0	287.4	284.7	282.7	280.6	278.7	276.9	278.0	279.0	280.5
127.5°	260.5	259.1	257.8	256.7	256.0	255.1	254.7	254.0	256.3	258.5	260.8
130°	240.7	240.5	240.6	240.5	241.3	241.6	242.2	242.7	245.8	248.4	251.5
132.5°	232.6	233.1	233.9	234.8	236.0	237.2	238.8	240.0	243.3	246.2	249.4
135°	231.8	232.7	234.1	235.2	237.0	238.5	240.4	242.1	245.4	248.1	251.4
137.5°	236.6	237.6	238.9	240.3	242.3	243.9	246.1	247.8	250.4	253.1	255.7
140°	244.3	245.0	246.5	247.8	249.2	250.8	252.9	254.4	257.0	258.9	261.1
142.5°	252.7	253.2	254.5	255.8	257.3	258.5	260.2	261.5	263.6	265.1	267.5
145°	262.3	262.9	264.3	265.0	266.3	267.5	268.8	270.1	271.6	272.9	274.4
147.5°	270.6	271.2	272.1	273.1	274.2	275.3	276.2	277.2	278.6	279.7	280.8
150°	277.5	278.1	278.8	279.2	280.3	281.2	282.3	282.9	284.0	284.8	286.1
152.5°	282.2	282.6	283.2	283.7	284.6	285.3	286.1	286.9	288.0	288.6	289.6
155°	286.9	287.7	288.4	289.0	289.9	290.3	291.3	291.8	292.8	293.5	294.5
157.5°	292.5	292.9	293.9	294.2	295.2	295.8	296.5	297.2	298.1	298.7	299.5
160°	297.2	298.0	298.6	299.5	300.4	300.9	301.8	302.6	303.4	304.0	304.7
162.5°	303.0	303.8	304.5	305.1	305.9	306.6	307.2	307.9	309.1	309.6	310.5
165°	308.5	309.1	310.1	310.6	311.7	312.4	313.1	314.0	314.5	315.3	315.8
167.5°	315.0	315.5	316.6	317.1	318.0	318.7	319.4	320.2	320.9	321.3	322.1
170°	320.7	321.2	321.9	322.6	323.2	323.6	324.5	325.0	325.8	326.3	327.1
172.5°	326.9	327.3	327.8	328.1	328.6	329.1	329.6	329.9	330.6	331.1	331.5
175°	332.3	332.3	332.5	332.7	332.9	332.9	333.1	333.5	333.7	333.8	334.0
177.5°	335.8	335.8	335.9	336.0	336.1	336.1	336.2	336.3	336.3	336.3	336.3
180°	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9



TEST NUMBER: P1444419
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL12

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1
2.5°	52212.0	52214.2	52172.2	52169.8	52130.4	52125.4	52086.9	52075.3	52044.0	52032.7	52000.9
5°	53796.0	53744.8	53626.2	53556.5	53439.4	53361.8	53235.0	53152.3	53030.0	52937.7	52814.6
7.5°	55398.1	55318.5	55185.4	55077.6	54915.0	54785.3	54595.1	54439.3	54233.2	54055.0	53838.5
10°	55868.0	55855.8	55821.9	55772.5	55696.9	55611.8	55482.4	55347.4	55166.9	54970.8	54730.3
12.5°	54711.9	54836.7	55006.9	55107.8	55230.6	55284.4	55334.8	55322.2	55289.1	55189.9	55050.8
15°	51783.3	52134.0	52598.6	52958.6	53372.7	53673.8	54006.1	54213.3	54419.9	54515.3	54573.7
17.5°	47124.4	47788.7	48621.6	49311.8	50108.3	50748.0	51449.1	51977.0	52519.9	52908.7	53260.5
20°	41140.2	42102.5	43280.6	44321.2	45531.3	46582.9	47735.3	48681.3	49656.9	50419.7	51141.8
22.5°	34649.4	35792.3	37216.5	38535.7	40095.6	41497.6	43079.5	44456.2	45893.7	47094.6	48255.6
25°	28266.6	29520.0	31077.3	32549.2	34316.0	35946.7	37822.7	39538.5	41396.3	43009.4	44602.8
27.5°	22438.2	23668.8	25258.7	26825.6	28693.8	30431.4	32441.4	34331.8	36447.3	38398.1	40393.6
30°	17647.9	18691.6	20117.1	21634.8	23477.4	25245.7	27277.4	29221.7	31422.4	33552.4	35800.1
32.5°	13981.8	14777.0	15897.8	17181.1	18881.2	20564.4	22499.1	24376.0	26543.2	28694.7	31032.5
35°	11104.1	11724.4	12578.9	13580.3	15020.1	16471.0	18182.3	19889.1	21910.9	23952.7	26224.9
37.5°	8756.2	9259.5	9928.7	10681.0	11835.8	13026.6	14429.7	15844.7	17601.5	19411.3	21470.7
40°	6837.7	7245.1	7766.1	8327.2	9199.2	10116.7	11201.8	12299.1	13710.5	15189.7	16894.0
42.5°	5371.5	5672.1	6040.2	6450.1	7263.7	7750.8	8486.6	9280.3	10317.9	11391.7	12673.1
45°	4313.8	4518.9	4774.1	5049.0	5426.6	5839.9	6343.8	6872.3	7858.0	8341.5	9120.9
47.5°	3602.4	3740.2	3902.5	4075.8	4298.4	4538.8	4837.7	5143.3	5538.5	5948.1	6428.2
50°	3123.4	3263.3	3319.1	3408.9	3537.8	3675.0	3843.5	4012.0	4224.0	4438.8	4686.0
52.5°	2767.8	2813.4	2874.0	2931.1	3011.0	3167.3	3217.8	3305.9	3424.7	3541.0	3670.8
55°	2496.3	2525.9	2565.4	2599.9	2648.1	2694.2	2760.9	2819.5	2898.8	2968.9	3055.1
57.5°	2284.9	2303.8	2331.2	2353.8	2385.1	2411.1	2450.2	2481.9	2527.5	2567.1	2619.4
60°	2131.3	2143.9	2162.4	2177.1	2197.0	2210.6	2230.0	2244.9	2269.0	2289.1	2318.2
62.5°	2005.9	2012.5	2024.5	2033.1	2045.7	2052.6	2063.0	2069.5	2082.7	2092.9	2109.1
65°	1855.5	1857.0	1865.0	1868.7	1878.6	1882.2	1890.7	1893.7	1904.6	1912.1	1926.5
67.5°	1732.2	1728.6	1728.8	1726.0	1727.3	1724.5	1725.2	1722.2	1726.5	1728.8	1739.7
70°	1619.5	1614.7	1613.2	1608.0	1606.5	1601.1	1599.6	1594.8	1594.2	1592.7	1596.5
72.5°	1509.8	1508.5	1508.9	1505.2	1504.8	1501.2	1501.4	1499.1	1501.6	1502.7	1507.6
75°	1383.6	1384.0	1386.5	1383.2	1384.1	1381.1	1382.2	1379.4	1380.9	1380.3	1385.4
77.5°	1230.1	1233.7	1240.4	1239.1	1241.2	1237.7	1239.3	1235.2	1236.3	1233.7	1235.6
80°	1057.3	1065.0	1074.0	1073.6	1077.4	1075.0	1078.4	1074.6	1076.1	1071.5	1070.3
82.5°	852.3	858.8	868.3	868.7	877.1	878.7	888.0	887.7	893.7	889.8	887.1
85°	582.7	587.0	595.5	600.1	608.7	614.1	623.1	626.7	620.2	632.0	622.7
87.5°	304.2	315.5	309.3	324.0	320.6	335.5	332.2	346.0	343.4	355.2	353.7
90°	71.5	71.0	78.7	78.7	88.3	89.5	97.4	95.8	103.1	101.8	109.4
92.5°	36.6	39.1	41.3	43.4	45.5	47.7	45.7	43.7	41.8	39.9	37.8
95°	48.2	51.4	54.4	57.5	60.5	63.7	60.3	57.2	53.9	50.6	47.3
97.5°	56.3	59.5	62.9	66.2	69.7	73.1	69.1	65.2	61.2	57.5	53.7
100°	77.0	83.5	90.0	96.4	103.0	109.4	102.3	94.9	87.9	80.5	73.3
102.5°	147.4	162.1	176.9	191.8	206.4	221.4	206.0	190.9	175.5	160.1	144.6
105°	268.0	291.7	315.4	339.0	362.6	386.7	361.8	336.9	311.9	287.2	262.0
107.5°	391.3	414.4	437.9	460.8	484.1	507.6	482.5	457.2	432.2	406.8	381.6
110°	463.1	477.2	491.4	505.7	519.8	534.3	516.0	497.9	479.7	461.3	443.0



TEST NUMBER: P1444419
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CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	478.5	486.2	493.4	501.2	508.5	516.1	503.2	490.6	477.6	464.8	451.9
115°	452.8	455.6	458.6	461.6	464.4	467.4	459.1	450.6	442.3	434.1	425.2
117.5°	403.4	404.2	404.3	405.3	405.4	406.0	401.7	397.5	393.0	388.7	384.1
120°	354.2	353.5	352.6	351.9	350.9	350.0	348.8	347.6	346.1	344.7	343.1
122.5°	312.6	312.8	312.5	312.4	312.1	311.8	311.9	312.2	312.1	312.2	311.9
125°	281.6	282.8	284.0	285.3	286.4	287.5	287.9	288.6	289.1	289.7	290.0
127.5°	262.8	265.2	267.2	269.3	271.2	273.3	274.0	275.2	276.1	277.0	277.7
130°	254.2	257.3	260.0	262.5	265.0	267.9	268.5	269.6	270.3	271.1	271.9
132.5°	252.5	255.4	258.3	261.5	264.1	266.9	267.6	268.7	269.1	270.2	270.9
135°	254.2	257.1	259.6	262.7	265.2	267.9	268.5	269.3	269.9	270.9	271.5
137.5°	257.9	260.6	262.9	265.4	267.4	269.8	270.3	271.2	271.6	272.6	273.2
140°	263.2	265.4	267.2	269.4	271.2	273.2	273.6	274.2	274.6	275.2	275.5
142.5°	269.1	270.9	272.3	274.3	275.7	277.5	277.4	277.6	277.9	278.1	278.2
145°	275.8	277.4	278.6	279.9	280.8	282.3	282.1	282.2	281.9	282.0	281.8
147.5°	281.8	283.1	283.8	284.9	285.4	286.7	286.4	286.2	286.1	285.7	285.3
150°	286.7	288.0	288.6	289.4	290.1	291.1	290.6	290.3	289.8	289.4	289.1
152.5°	290.4	291.3	292.0	292.5	293.2	293.9	293.3	293.2	292.5	291.9	291.5
155°	294.9	295.8	296.2	297.0	297.3	297.8	297.0	297.0	296.5	296.0	295.4
157.5°	300.0	300.8	301.4	301.7	302.1	302.7	302.4	302.2	301.7	301.5	300.9
160°	305.3	305.9	306.4	306.8	307.4	307.6	307.3	307.4	307.1	306.7	306.2
162.5°	311.0	311.9	312.3	312.7	313.4	313.9	313.6	313.4	313.0	312.7	312.2
165°	316.4	317.0	317.6	318.1	318.3	318.9	318.7	318.7	318.4	318.3	317.9
167.5°	322.5	323.2	323.6	324.2	324.4	324.7	324.5	324.8	324.4	324.2	323.9
170°	327.3	327.8	328.5	328.9	329.2	329.5	329.5	329.4	329.1	329.0	328.7
172.5°	332.0	332.5	332.6	333.0	333.1	333.5	333.4	333.1	333.0	332.7	332.4
175°	334.0	334.2	334.6	334.6	334.6	334.8	334.6	334.4	334.1	333.9	333.7
177.5°	336.3	336.3	336.3	336.1	336.1	336.1	336.0	335.8	335.7	335.5	335.2
180°	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9



TEST NUMBER: P1444419
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CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1
2.5°	51989.6	51967.0	51952.5	51933.9	51922.6	51908.3	51897.7	51888.7	51881.5	51874.8	51869.8
5°	52720.8	52604.5	52514.3	52416.6	52336.4	52256.4	52194.8	52143.6	52108.4	52082.0	52066.2
7.5°	53651.5	53438.8	53249.6	53050.5	52872.0	52696.4	52545.2	52414.7	52317.0	52253.5	52215.0
10°	54482.7	54197.9	53916.3	53619.9	53338.9	53066.1	52814.6	52593.2	52418.1	52301.6	52233.6
12.5°	54855.3	54612.7	54325.2	54003.3	53658.8	53310.3	52970.6	52664.3	52407.1	52234.6	52135.0
15°	54527.2	54427.6	54232.4	53982.6	53655.7	53295.4	52896.5	52521.6	52176.7	51953.1	51823.5
17.5°	53459.6	53598.7	53583.8	53488.2	53253.2	52949.9	52543.5	52122.3	51691.0	51392.1	51228.7
20°	51658.2	52095.2	52317.0	52430.7	52338.3	52141.7	51773.7	51346.3	50843.5	50453.2	50215.1
22.5°	49126.7	49898.2	50379.0	50730.7	50805.4	50738.4	50413.5	50006.9	49446.4	48977.4	48625.6
25°	45867.7	46998.0	47757.8	48353.5	48584.9	48644.6	48368.0	47963.8	47339.1	46792.6	46309.5
27.5°	42029.2	43497.9	44512.3	45312.7	45674.0	45830.6	45576.1	45163.7	44424.6	43772.2	43141.1
30°	37707.7	39450.2	40671.7	41631.3	42071.8	42278.7	42008.4	41548.0	40687.9	39902.8	39107.8
32.5°	33082.5	34989.2	36320.2	37362.4	37798.8	37993.5	37639.8	37122.8	36128.7	35203.8	34276.7
35°	28239.8	30164.4	31506.6	32521.1	32886.7	33004.2	32551.9	31954.3	30852.9	29837.8	28826.9
37.5°	23298.5	25089.1	26309.0	27219.4	27445.7	27466.1	26921.1	26261.0	25103.4	24102.6	23096.1
40°	18400.0	19910.0	20895.0	21623.7	21702.2	21632.2	21039.7	20375.4	19292.5	18395.8	17512.3
42.5°	13785.8	14925.6	15628.4	16127.8	16098.1	15959.7	15416.4	14845.4	13951.9	13269.0	12573.8
45°	9832.7	10584.3	10995.2	11287.4	11193.5	11061.7	10638.9	10238.6	9631.5	9190.4	8723.1
47.5°	6830.9	7728.4	7572.1	8143.5	7651.2	7976.3	7299.3	6926.1	6603.8	6369.5	6105.5
50°	4890.3	5096.0	5195.3	5263.1	5227.1	5177.2	5055.6	4946.8	4799.6	4692.4	4567.3
52.5°	3776.7	3879.5	3935.8	3976.6	3968.6	3950.3	3897.4	3848.9	3779.9	3734.6	3679.8
55°	3199.0	3200.5	3304.2	3259.7	3325.4	3248.4	3278.6	3193.5	3207.2	3134.1	3084.9
57.5°	2658.3	2700.4	2719.4	2737.7	2732.6	2729.3	2708.9	2698.5	2675.4	2668.2	2651.8
60°	2338.4	2360.4	2364.9	2373.4	2366.3	2363.6	2347.5	2341.8	2326.2	2323.4	2312.4
62.5°	2118.9	2130.2	2130.2	2130.2	2121.0	2112.1	2094.4	2085.0	2071.8	2069.0	2062.6
65°	1935.9	1947.5	1949.4	1951.9	1945.3	1938.3	1922.6	1912.5	1898.8	1893.7	1886.4
67.5°	1746.9	1759.3	1763.5	1769.8	1766.0	1764.6	1753.9	1749.9	1740.9	1738.8	1732.2
70°	1598.5	1603.6	1603.2	1603.0	1594.6	1587.2	1574.7	1568.8	1559.4	1557.5	1551.3
72.5°	1510.2	1513.8	1511.5	1508.3	1497.4	1486.3	1471.7	1460.9	1448.7	1441.1	1432.5
75°	1385.9	1390.7	1387.7	1385.6	1375.8	1368.5	1356.8	1350.8	1342.3	1339.8	1333.8
77.5°	1233.3	1235.6	1230.6	1230.1	1222.6	1218.0	1209.2	1207.7	1201.3	1201.5	1195.8
80°	1063.5	1062.1	1054.1	1052.6	1045.1	1043.2	1036.2	1036.6	1031.7	1033.8	1029.8
82.5°	875.0	870.3	859.8	856.6	848.1	847.3	842.7	846.6	843.4	848.1	845.3
85°	627.1	628.4	623.9	623.9	621.3	622.1	621.7	624.6	625.0	629.2	629.0
87.5°	349.6	354.7	353.7	358.3	358.1	363.2	365.0	372.6	373.5	380.7	380.7
90°	108.1	116.2	114.7	123.2	123.0	131.6	132.7	141.3	141.4	148.8	147.5
92.5°	35.8	33.9	32.0	30.0	29.0	27.6	27.3	25.6	25.1	23.7	22.7
95°	44.0	40.7	37.3	34.0	32.9	31.6	30.5	29.4	28.2	27.0	25.9
97.5°	49.7	45.8	41.9	37.9	36.9	36.0	34.8	33.8	32.9	31.9	30.9
100°	65.9	58.6	51.5	44.0	43.2	42.4	41.5	40.7	39.9	38.8	37.9
102.5°	129.3	113.8	98.3	82.7	79.8	76.9	74.0	70.8	67.8	64.9	62.0
105°	237.1	211.9	186.9	161.7	153.8	145.8	137.8	129.8	121.7	113.7	105.7
107.5°	356.3	330.8	305.4	279.9	265.4	250.5	235.8	220.9	206.2	191.3	176.6
110°	424.7	406.2	387.8	369.1	357.6	345.7	333.8	321.9	310.3	298.2	286.3



TEST NUMBER: P1444419
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL12

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	438.9	425.9	412.8	399.4	394.3	389.0	383.9	378.5	373.3	367.7	362.4
115°	416.7	408.2	399.5	390.6	389.2	387.4	385.8	383.9	382.3	380.4	378.5
117.5°	379.8	375.1	370.5	365.9	366.5	367.1	367.9	368.3	368.7	368.9	369.4
120°	341.5	339.9	338.6	336.8	339.1	341.0	343.3	345.0	346.9	348.4	350.1
122.5°	312.0	311.7	311.8	311.3	314.1	316.6	319.0	321.5	323.6	325.4	327.3
125°	290.6	291.0	291.4	291.5	294.4	297.0	299.6	301.8	304.1	305.9	307.9
127.5°	278.7	279.5	280.4	281.0	283.5	285.3	287.5	289.1	291.1	292.3	293.6
130°	272.8	273.3	274.3	275.1	277.2	279.2	281.4	282.9	284.6	285.7	287.0
132.5°	271.8	272.4	273.3	273.8	276.0	277.6	279.4	280.4	281.9	282.6	283.4
135°	272.3	272.9	273.7	274.1	276.1	277.9	279.4	280.6	282.0	282.6	283.4
137.5°	274.0	274.4	275.3	275.7	277.5	279.0	280.5	281.6	282.7	283.6	284.2
140°	276.2	276.4	277.2	277.4	279.0	280.4	281.8	282.8	284.0	284.5	285.1
142.5°	278.4	278.3	278.9	278.7	280.0	281.1	282.1	283.0	283.9	284.3	284.6
145°	281.7	281.4	281.6	281.3	282.3	283.0	284.1	284.9	285.3	285.5	286.1
147.5°	285.4	284.9	284.5	284.2	285.4	285.8	286.5	286.8	287.6	287.7	287.9
150°	288.6	287.9	287.3	286.8	287.4	287.7	288.1	288.6	288.9	288.9	289.1
152.5°	290.9	290.2	289.6	288.8	289.1	289.2	289.4	289.4	289.6	289.5	289.5
155°	294.9	294.2	293.6	292.7	293.0	293.0	292.9	292.9	292.6	292.4	292.2
157.5°	300.4	299.6	299.3	298.5	298.4	298.3	298.1	297.4	297.3	296.8	296.2
160°	306.0	305.3	304.9	304.2	304.0	303.7	303.5	302.8	302.5	301.9	301.3
162.5°	311.7	311.1	310.4	309.7	309.5	309.4	309.0	308.2	307.9	307.3	306.7
165°	317.7	317.2	316.8	316.1	315.9	315.5	315.3	314.5	314.2	313.4	312.8
167.5°	323.5	323.1	322.6	321.8	321.7	321.5	321.3	320.8	320.4	319.7	319.4
170°	328.4	327.9	327.6	327.1	326.8	326.6	326.2	325.8	325.2	324.9	324.3
172.5°	331.9	331.6	331.1	330.4	330.4	330.2	329.8	329.6	329.0	328.6	328.5
175°	333.3	333.0	332.4	332.2	332.0	331.8	331.7	331.5	331.1	330.9	330.4
177.5°	335.0	334.9	334.4	334.3	334.1	334.1	333.9	333.7	333.7	333.5	333.3
180°	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9



TEST NUMBER: P1444419
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL12

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	51665.1	51665.1
2.5°	51865.2	51862.5
5°	52058.0	52054.9
7.5°	52204.7	52203.7
10°	52221.9	52230.9
12.5°	52117.8	52125.0
15°	51813.6	51827.7
17.5°	51231.8	51250.3
20°	50229.6	50248.9
22.5°	48606.7	48614.7
25°	46247.1	46213.6
27.5°	43030.2	42972.6
30°	38940.8	38885.1
32.5°	34065.4	34030.4
35°	28577.0	28555.0
37.5°	22798.8	22754.0
40°	17189.3	17058.7
42.5°	12269.2	12040.1
45°	8479.1	8207.5
47.5°	5919.3	5751.4
50°	4486.7	4432.5
52.5°	3655.9	3643.2
55°	3084.7	3079.2
57.5°	2655.4	2653.5
60°	2318.2	2317.7
62.5°	2066.8	2067.7
65°	1889.7	1890.1
67.5°	1733.9	1732.7
70°	1553.7	1552.3
72.5°	1429.6	1427.4
75°	1333.8	1332.5
77.5°	1197.5	1195.4
80°	1032.4	1029.8
82.5°	849.2	846.1
85°	633.5	633.6
87.5°	387.6	387.4
90°	154.5	152.2
92.5°	22.2	21.5
95°	24.8	23.7
97.5°	30.0	29.0
100°	37.1	36.3
102.5°	59.0	56.1
105°	97.8	89.8
107.5°	161.7	147.0
110°	274.3	262.4



TEST NUMBER: P1444419
CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL12

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	356.9	351.4
115°	376.1	374.1
117.5°	369.4	369.4
120°	351.2	352.7
122.5°	328.8	330.4
125°	309.4	311.0
127.5°	294.5	295.3
130°	287.4	288.2
132.5°	283.7	283.8
135°	283.4	283.6
137.5°	284.1	284.2
140°	285.0	285.0
142.5°	284.8	284.7
145°	286.1	285.8
147.5°	287.2	287.2
150°	288.6	288.4
152.5°	288.8	288.6
155°	291.6	291.1
157.5°	295.3	294.9
160°	300.5	300.0
162.5°	305.9	305.4
165°	311.9	311.1
167.5°	318.4	318.1
170°	323.7	323.3
172.5°	327.9	327.5
175°	330.2	330.0
177.5°	333.3	332.9
180°	334.9	334.9



TEST NUMBER: P1444419
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL12

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	18.89	20.02	19.30	20.39	20.78	17.27	18.40	17.68	18.77	19.16
	3H	20.44	21.45	20.87	21.84	22.27	19.70	20.71	20.13	21.10	21.53
	4H	21.23	22.18	21.69	22.58	23.04	20.82	21.76	21.27	22.17	22.62
	6H	22.00	22.87	22.47	23.30	23.76	21.86	22.73	22.32	23.15	23.61
	8H	22.32	23.14	22.80	23.58	24.06	22.30	23.12	22.78	23.56	24.04
	12H	22.57	23.35	23.05	23.79	24.28	22.65	23.44	23.14	23.87	24.37
4H	2H	19.27	20.21	19.72	20.62	21.07	17.98	18.92	18.43	19.33	19.78
	3H	21.15	21.92	21.61	22.38	22.85	20.61	21.39	21.07	21.85	22.32
	4H	22.15	22.85	22.63	23.32	23.83	21.86	22.56	22.35	23.04	23.54
	6H	23.11	23.71	23.62	24.21	24.74	23.05	23.65	23.56	24.15	24.68
	8H	23.49	24.06	24.01	24.55	25.09	23.55	24.11	24.06	24.61	25.14
	12H	23.81	24.30	24.34	24.83	25.37	23.96	24.46	24.50	24.99	25.53
8H	4H	22.53	23.09	23.04	23.59	24.12	22.28	22.84	22.80	23.34	23.88
	6H	23.68	24.14	24.23	24.69	25.23	23.63	24.09	24.18	24.64	25.18
	8H	24.19	24.60	24.76	25.16	25.72	24.23	24.64	24.80	25.21	25.76
	12H	24.62	24.98	25.19	25.53	26.16	24.76	25.12	25.32	25.66	26.30
12H	4H	22.57	23.07	23.11	23.60	24.14	22.34	22.84	22.87	23.37	23.91
	6H	23.79	24.20	24.36	24.77	25.32	23.74	24.15	24.31	24.72	25.27
	8H	24.39	24.74	24.95	25.29	25.92	24.42	24.78	24.98	25.32	25.95

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: SP1-2506-472-1

Test Date: 07/30/2025

Luminaire Tested: EHBR-60-L840-N

Data in this report applies to families of products including EHBR-60-L840-N

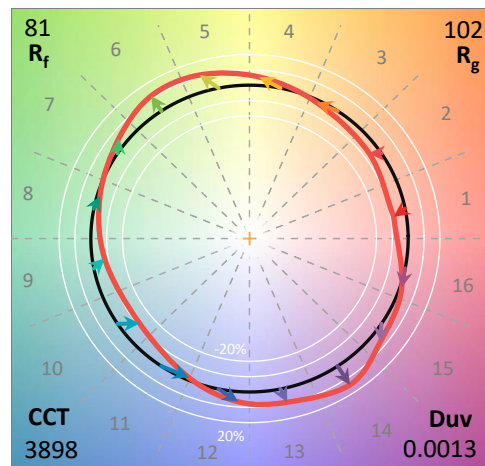
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-1
 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-L840-N**
 Description: Elevate Round Highbay at, 60000 lumens, 4000K 80CRI LEDs with N lens

Spectral Parameters

CCT (K): 3898
 CIE u': 0.2263
 CIE v': 0.5052
 Duv: 0.0013
 CIE x: 0.3861
 CIE y: 0.3831
 CIE z: 0.2308
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 578
 Purity: 30.85729
 Rf: 80.7
 Rg: 102.1

CRI (Ra):	82.1		
R1:	84.4	R9:	38.5
R2:	83.5	R10:	58.9
R3:	80.8	R11:	83.6
R4:	83.9	R12:	54.2
R5:	82.1	R13:	82.8
R6:	77.3	R14:	88.2
R7:	86.4	R15:	81.2
R8:	78.3		



Test Conditions

Stabilization Time: 42M
 Operation Time: 1H 42M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-1

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: SP1-2506-472-1

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-1

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	60	NR	620	277	NR	750	6	NR	880	0	NR
365	0	NR	495	87	NR	625	278	NR	755	5	NR	885	0	NR
370	0	NR	500	124	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	168	NR	635	623	NR	765	4	NR	895	0	NR
380	1	NR	510	209	NR	640	162	NR	770	3	NR	900	0	NR
385	1	NR	515	246	NR	645	158	NR	775	3	NR	905	0	NR
390	2	NR	520	273	NR	650	134	NR	780	2	NR	910	0	NR
395	4	NR	525	292	NR	655	109	NR	785	2	NR	915	0	NR
400	5	NR	530	305	NR	660	91	NR	790	2	NR	920	0	NR
405	7	NR	535	313	NR	665	75	NR	795	2	NR	925	0	NR
410	11	NR	540	319	NR	670	70	NR	800	1	NR	930	0	NR
415	21	NR	545	323	NR	675	56	NR	805	1	NR	935	0	NR
420	42	NR	550	326	NR	680	47	NR	810	1	NR	940	0	NR
425	76	NR	555	330	NR	685	41	NR	815	1	NR	945	0	NR
430	125	NR	560	333	NR	690	35	NR	820	1	NR	950	0	NR
435	193	NR	565	336	NR	695	30	NR	825	1	NR	955	0	NR
440	302	NR	570	336	NR	700	26	NR	830	1	NR	960	0	NR
445	432	NR	575	335	NR	705	22	NR	835	1	NR	965	0	NR
450	380	NR	580	332	NR	710	19	NR	840	0	NR	970	0	NR
455	213	NR	585	326	NR	715	16	NR	845	0	NR	975	0	NR
460	147	NR	590	319	NR	720	14	NR	850	0	NR	980	0	NR
465	104	NR	595	307	NR	725	12	NR	855	0	NR	985	0	NR
470	65	NR	600	299	NR	730	10	NR	860	0	NR	990	0	NR
475	50	NR	605	291	NR	735	9	NR	865	0	NR	995	0	NR
480	46	NR	610	317	NR	740	8	NR	870	0	NR	1000	0	NR
485	47	NR	615	336	NR	745	7	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-1

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.55

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	60	NR	620	277	NR	750	6	NR	880	0	NR
365	0	NR	495	87	NR	625	278	NR	755	5	NR	885	0	NR
370	0	NR	500	124	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	168	NR	635	623	NR	765	4	NR	895	0	NR
380	1	NR	510	209	NR	640	162	NR	770	3	NR	900	0	NR
385	1	NR	515	246	NR	645	158	NR	775	3	NR	905	0	NR
390	2	NR	520	273	NR	650	134	NR	780	2	NR	910	0	NR
395	4	NR	525	292	NR	655	109	NR	785	2	NR	915	0	NR
400	5	NR	530	305	NR	660	91	NR	790	2	NR	920	0	NR
405	7	NR	535	313	NR	665	75	NR	795	2	NR	925	0	NR
410	11	NR	540	319	NR	670	70	NR	800	1	NR	930	0	NR
415	21	NR	545	323	NR	675	56	NR	805	1	NR	935	0	NR
420	42	NR	550	326	NR	680	47	NR	810	1	NR	940	0	NR
425	76	NR	555	330	NR	685	41	NR	815	1	NR	945	0	NR
430	125	NR	560	333	NR	690	35	NR	820	1	NR	950	0	NR
435	193	NR	565	336	NR	695	30	NR	825	1	NR	955	0	NR
440	302	NR	570	336	NR	700	26	NR	830	1	NR	960	0	NR
445	432	NR	575	335	NR	705	22	NR	835	1	NR	965	0	NR
450	380	NR	580	332	NR	710	19	NR	840	0	NR	970	0	NR
455	213	NR	585	326	NR	715	16	NR	845	0	NR	975	0	NR
460	147	NR	590	319	NR	720	14	NR	850	0	NR	980	0	NR
465	104	NR	595	307	NR	725	12	NR	855	0	NR	985	0	NR
470	65	NR	600	299	NR	730	10	NR	860	0	NR	990	0	NR
475	50	NR	605	291	NR	735	9	NR	865	0	NR	995	0	NR
480	46	NR	610	317	NR	740	8	NR	870	0	NR	1000	0	NR
485	47	NR	615	336	NR	745	7	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.99

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	60	NR	620	277	NR	750	6	NR	880	0	NR
365	0	NR	495	87	NR	625	278	NR	755	5	NR	885	0	NR
370	0	NR	500	124	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	168	NR	635	623	NR	765	4	NR	895	0	NR
380	1	NR	510	209	NR	640	162	NR	770	3	NR	900	0	NR
385	1	NR	515	246	NR	645	158	NR	775	3	NR	905	0	NR
390	2	NR	520	273	NR	650	134	NR	780	2	NR	910	0	NR
395	4	NR	525	292	NR	655	109	NR	785	2	NR	915	0	NR
400	5	NR	530	305	NR	660	91	NR	790	2	NR	920	0	NR
405	7	NR	535	313	NR	665	75	NR	795	2	NR	925	0	NR
410	11	NR	540	319	NR	670	70	NR	800	1	NR	930	0	NR
415	21	NR	545	323	NR	675	56	NR	805	1	NR	935	0	NR
420	42	NR	550	326	NR	680	47	NR	810	1	NR	940	0	NR
425	76	NR	555	330	NR	685	41	NR	815	1	NR	945	0	NR
430	125	NR	560	333	NR	690	35	NR	820	1	NR	950	0	NR
435	193	NR	565	336	NR	695	30	NR	825	1	NR	955	0	NR
440	302	NR	570	336	NR	700	26	NR	830	1	NR	960	0	NR
445	432	NR	575	335	NR	705	22	NR	835	1	NR	965	0	NR
450	380	NR	580	332	NR	710	19	NR	840	0	NR	970	0	NR
455	213	NR	585	326	NR	715	16	NR	845	0	NR	975	0	NR
460	147	NR	590	319	NR	720	14	NR	850	0	NR	980	0	NR
465	104	NR	595	307	NR	725	12	NR	855	0	NR	985	0	NR
470	65	NR	600	299	NR	730	10	NR	860	0	NR	990	0	NR
475	50	NR	605	291	NR	735	9	NR	865	0	NR	995	0	NR
480	46	NR	610	317	NR	740	8	NR	870	0	NR	1000	0	NR
485	47	NR	615	336	NR	745	7	NR	875	0	NR			

Summary

$R_f = 80.7$
 $R_g = 102.1$
 CIE $R_a = 82.1$
 $R_9 = 38.5$



Color Vector Graphics



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

CES01 = 85	CES26 = 69	CES51 = 90	CES76 = 58
CES02 = 61	CES27 = 89	CES52 = 90	CES77 = 76
CES03 = 31	CES28 = 83	CES53 = 80	CES78 = 60
CES04 = 69	CES29 = 66	CES54 = 91	CES79 = 85
CES05 = 48	CES30 = 76	CES55 = 89	CES80 = 79
CES06 = 50	CES31 = 69	CES56 = 79	CES81 = 81
CES07 = 41	CES32 = 62	CES57 = 77	CES82 = 91
CES08 = 40	CES33 = 74	CES58 = 79	CES83 = 88
CES09 = 29	CES34 = 72	CES59 = 93	CES84 = 89
CES10 = 74	CES35 = 84	CES60 = 95	CES85 = 84
CES11 = 57	CES36 = 98	CES61 = 92	CES86 = 82
CES12 = 63	CES37 = 77	CES62 = 89	CES87 = 81
CES13 = 43	CES38 = 83	CES63 = 80	CES88 = 86
CES14 = 74	CES39 = 94	CES64 = 80	CES89 = 79
CES15 = 71	CES40 = 88	CES65 = 77	CES90 = 85
CES16 = 47	CES41 = 89	CES66 = 74	CES91 = 83
CES17 = 49	CES42 = 74	CES67 = 72	CES92 = 77
CES18 = 56	CES43 = 73	CES68 = 78	CES93 = 86
CES19 = 71	CES44 = 98	CES69 = 83	CES94 = 69
CES20 = 65	CES45 = 82	CES70 = 69	CES95 = 80
CES21 = 86	CES46 = 82	CES71 = 64	CES96 = 86
CES22 = 78	CES47 = 80	CES72 = 88	CES97 = 83
CES23 = 91	CES48 = 79	CES73 = 60	CES98 = 81
CES24 = 90	CES49 = 80	CES74 = 98	CES99 = 83
CES25 = 71	CES50 = 89	CES75 = 62	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)