

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: P1444425

Luminaire Tested: EHBR1-60-UNV-TA-L840-UPL40

Issue Date: 5/1/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1444425  
REPORT IS A COMBINATION OF REPORTS P1444362 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-UPL40  
Description: Elevate Round Highbay at, 60000 lumens, 4000K 80CRI LEDs with TA lens  
Light Source: -  
Ballast/Driver: -

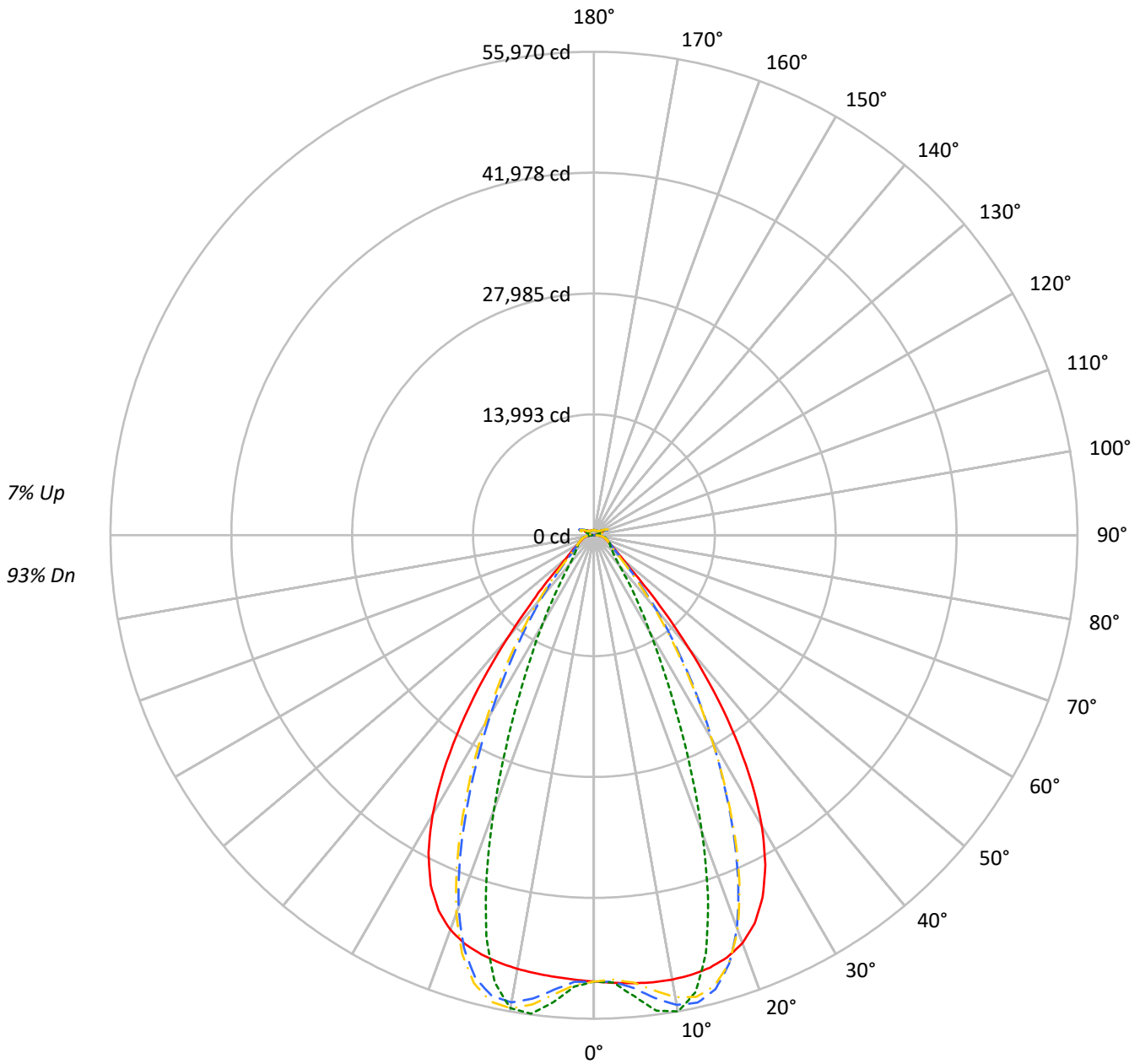
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 63729.5 lumens  
Efficiency: N/A  
Efficacy: 176.5 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 0.77 / 0.88  
Luminous Opening: Vertical Cylinder (Dia: 1.71' x H: 0.1')  
CIE Type: Direct

Input Watts (W): 361  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P1444425  
CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL40

### Luminous Intensity Polar Plot



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



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

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

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	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	8.0
10°-20°	14323.5	22.5
20°-30°	16313.4	25.6
30°-40°	11725.3	18.4
40°-50°	5407.7	8.5
50°-60°	2587.8	4.1
60°-70°	1888.2	3.0
70°-80°	1434.5	2.3
80°-90°	659.4	1.0
90°-100°	124.1	0.2
100°-110°	697.5	1.1
110°-120°	1288.3	2.0
120°-130°	792.4	1.2
130°-140°	514.9	0.8
140°-150°	386.3	0.6
150°-160°	272.0	0.4
160°-170°	165.5	0.3
170°-180°	56.9	0.1
0°-30°	35728.6	56.1
0°-40°	47453.9	74.5
0°-60°	55449.4	87.0
0°-90°	59431.5	93.3
90°-120°	2110.0	3.3
90°-150°	3803.5	6.0
90°-180°	4298.0	6.7
0°-180°	63729.5	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°	172	217	50	61	172	107
95°	57	63	57	63	57	54
105°	253	325	171	325	253	335
115°	1125	1361	1179	1361	1125	1040
125°	853	888	964	890	853	776
135°	679	596	730	602	679	530
145°	611	587	649	595	611	385
155°	575	575	612	581	575	268
165°	578	575	598	579	578	164
175°	594	598	604	600	594	57
180°	601	601	601	601	601	



TEST NUMBER: P1444425  
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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°	171.6	181.0	184.5	195.5	198.8	208.6	211.2	222.3	225.7	237.0	242.2
92.5°	49.8	53.0	55.9	59.7	62.9	67.2	70.8	74.5	77.8	81.8	88.3
95°	56.6	60.2	63.9	67.5	71.1	74.7	78.3	81.9	85.6	89.2	99.6
97.5°	70.8	74.0	77.1	80.2	83.3	86.6	89.7	92.8	96.0	98.9	111.5
100°	91.7	94.3	97.1	99.7	102.3	105.0	107.7	110.3	113.0	115.6	138.8
102.5°	150.4	159.8	169.3	178.7	188.1	197.4	206.9	216.1	225.6	235.0	284.3
105°	253.0	278.4	304.2	329.5	355.2	380.8	406.4	431.5	457.2	482.6	563.3
107.5°	429.9	477.1	524.4	571.8	619.1	666.2	713.6	760.8	807.9	854.8	936.8
110°	790.8	828.5	866.6	904.7	942.6	980.7	1018.7	1056.3	1094.5	1132.3	1192.0



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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°	1065.3	1082.3	1099.5	1116.7	1133.8	1150.8	1167.9	1184.9	1202.1	1218.9	1261.6
115°	1125.3	1131.2	1137.3	1143.1	1149.2	1154.9	1160.8	1166.4	1172.5	1177.9	1206.8
117.5°	1095.3	1094.1	1092.9	1091.7	1090.2	1089.0	1087.7	1086.1	1084.7	1083.2	1099.2
120°	1024.6	1019.1	1013.8	1008.0	1002.6	996.9	991.4	985.7	979.8	973.9	980.7
122.5°	935.1	928.5	922.3	915.4	908.8	901.8	895.3	887.9	881.5	874.4	876.7
125°	852.7	845.9	839.8	832.8	825.9	818.9	811.9	804.9	797.8	790.6	791.7
127.5°	781.7	777.0	772.4	767.1	762.2	757.0	751.7	746.4	741.3	735.6	735.7
130°	737.2	732.9	728.7	723.9	719.4	714.5	709.6	704.4	699.7	694.4	694.6
132.5°	701.4	698.4	695.3	691.8	688.3	684.2	680.7	676.4	672.7	668.8	669.0
135°	678.8	675.7	673.0	669.7	666.3	662.6	658.9	654.9	651.3	647.4	648.0
137.5°	659.9	657.3	654.5	651.4	648.4	644.5	641.3	637.6	634.2	630.3	630.8
140°	642.7	640.4	637.7	634.8	632.0	628.8	625.5	622.1	618.7	615.2	616.1
142.5°	623.0	620.7	618.9	616.4	614.1	611.2	608.5	605.4	602.8	599.6	601.1
145°	610.6	608.9	607.3	605.2	602.9	600.3	598.0	595.1	592.9	590.3	591.7
147.5°	600.0	598.5	597.2	595.5	593.8	591.5	589.4	587.0	585.0	582.8	584.4
150°	590.7	589.4	588.1	586.6	584.7	582.7	580.7	578.8	576.6	574.4	576.0
152.5°	580.4	579.0	577.9	576.3	574.6	572.4	571.0	568.9	567.1	564.9	566.3
155°	575.4	574.0	572.5	571.2	569.5	567.7	565.8	564.1	562.4	560.4	561.5
157.5°	573.3	571.9	570.9	569.4	568.3	566.8	565.2	563.7	562.3	560.9	561.5
160°	573.8	572.6	571.4	570.1	568.7	567.1	565.8	564.3	563.3	561.7	562.2
162.5°	574.8	573.5	572.2	570.9	569.6	568.1	566.8	565.6	564.3	562.8	563.6
165°	577.6	576.8	575.8	574.9	573.9	573.0	572.0	570.9	569.9	568.8	569.2
167.5°	584.6	583.5	582.6	581.5	580.2	579.3	578.0	576.8	575.9	574.6	575.0
170°	588.1	587.2	586.6	586.0	585.3	584.5	584.0	583.2	582.4	581.7	582.1
172.5°	592.4	591.7	591.3	590.9	590.1	589.8	589.2	588.5	588.1	587.4	588.2
175°	593.5	593.0	592.8	592.4	592.0	591.6	591.4	591.1	591.1	590.5	590.8
177.5°	597.7	597.5	597.5	597.3	597.3	597.2	597.0	596.6	596.4	596.4	596.7
180°	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4



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**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	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°	254.6	260.7	272.7	274.5	283.2	283.9	232.1	227.6	221.5	222.6	214.4
92.5°	95.4	101.7	108.6	115.0	121.8	128.5	129.1	133.8	127.6	120.5	114.4
95°	110.3	120.9	131.5	142.2	152.8	163.4	174.1	184.6	174.8	164.7	154.8
97.5°	124.0	136.6	148.9	161.5	174.1	186.7	199.2	211.8	201.2	190.1	179.5
100°	162.3	185.8	209.0	232.5	255.7	279.1	302.6	326.0	305.4	284.5	264.0
102.5°	333.9	383.7	433.3	482.8	532.4	582.3	632.1	681.9	634.7	587.1	539.8
105°	643.7	724.3	804.8	884.9	965.4	1045.9	1127.0	1207.5	1131.9	1056.3	980.7
107.5°	1018.3	1100.0	1181.3	1262.8	1344.5	1426.1	1508.5	1590.2	1516.4	1442.4	1368.7
110°	1251.6	1310.8	1370.3	1429.8	1489.1	1548.5	1609.3	1668.8	1624.4	1579.9	1535.6



TEST NUMBER: P1444425  
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	1303.7	1346.4	1388.9	1431.1	1473.2	1515.8	1559.9	1602.7	1580.2	1557.5	1535.3
115°	1235.0	1263.9	1292.1	1320.6	1349.0	1377.4	1407.9	1436.9	1429.5	1422.0	1414.7
117.5°	1114.9	1130.8	1146.6	1162.3	1177.8	1193.6	1212.2	1228.3	1229.0	1230.0	1231.0
120°	987.1	993.7	1000.0	1006.6	1012.6	1019.1	1028.7	1035.7	1041.4	1046.7	1052.4
122.5°	878.8	881.2	883.2	885.4	887.4	889.5	895.3	898.4	901.9	905.7	909.4
125°	792.5	793.3	794.1	795.0	795.4	796.2	801.4	802.9	802.8	802.5	802.3
127.5°	735.3	735.2	734.9	734.8	734.0	733.8	738.2	738.8	735.9	732.8	729.7
130°	694.8	694.9	694.9	695.0	695.2	695.3	700.2	701.7	696.6	691.4	686.4
132.5°	669.2	669.6	669.6	670.3	670.5	670.7	676.2	677.7	672.3	666.3	660.6
135°	648.2	648.9	649.3	649.8	650.2	651.1	657.2	659.1	653.8	648.1	642.6
137.5°	631.0	631.6	632.0	632.9	633.3	634.1	640.9	642.9	638.7	633.9	629.7
140°	616.8	617.5	618.3	619.3	620.0	621.3	628.7	631.1	627.8	624.1	620.3
142.5°	602.0	603.6	605.0	606.6	608.0	609.8	618.4	621.5	618.9	615.9	613.4
145°	593.1	595.1	596.6	598.7	600.6	602.7	612.4	616.1	614.4	612.4	610.4
147.5°	585.3	587.0	588.7	590.4	592.1	594.5	604.6	608.2	607.3	605.8	604.7
150°	577.3	579.2	580.7	582.6	584.7	586.9	598.3	602.6	601.7	600.6	599.4
152.5°	567.7	569.1	570.6	572.4	574.0	576.0	589.9	594.4	593.7	592.4	591.7
155°	562.4	563.5	564.4	565.9	567.1	569.0	583.7	588.2	587.6	587.0	586.3
157.5°	562.0	562.5	563.1	564.0	564.9	565.8	581.4	586.1	585.3	584.8	584.2
160°	562.5	563.0	563.3	564.0	564.4	565.1	581.2	585.5	585.1	584.3	583.7
162.5°	564.1	565.2	565.7	566.6	567.3	568.4	584.4	589.4	588.4	587.5	586.7
165°	569.5	569.7	570.0	570.5	570.8	571.4	586.4	590.5	590.1	589.4	588.8
167.5°	575.3	575.9	576.1	576.8	577.2	578.1	592.1	596.0	595.6	594.9	594.5
170°	582.3	582.9	583.0	583.6	584.2	585.0	596.6	600.0	599.5	598.4	597.8
172.5°	588.5	589.4	589.9	590.6	591.1	591.9	601.8	604.9	604.5	603.8	603.1
175°	591.3	591.7	592.2	593.0	593.5	594.0	601.8	604.0	603.8	603.5	603.1
177.5°	597.2	597.4	597.9	598.4	598.9	599.3	604.1	605.5	605.3	605.3	605.2
180°	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4



TEST NUMBER: P1444425  
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**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°	213.2	205.2	207.5	203.7	208.9	205.3	210.2	205.8	212.1	211.6	219.9
92.5°	107.0	100.6	93.3	87.0	79.8	73.8	69.9	67.3	63.7	61.2	57.3
95°	144.9	134.9	125.0	115.1	105.2	95.4	91.7	88.1	84.5	80.8	77.3
97.5°	168.9	158.2	147.6	136.8	126.1	115.5	113.1	110.7	108.3	105.8	103.4
100°	243.4	222.8	202.3	181.5	161.0	140.5	138.5	136.6	134.7	132.8	130.8
102.5°	492.7	445.5	398.4	351.0	303.9	256.6	248.4	240.1	232.0	223.7	215.5
105°	905.0	829.4	753.8	678.2	602.9	527.4	504.9	482.1	459.6	437.1	414.7
107.5°	1294.8	1221.1	1147.5	1073.9	1000.2	926.6	890.8	855.3	819.4	783.9	748.5
110°	1490.8	1446.4	1402.3	1357.8	1313.6	1269.4	1235.2	1201.4	1167.2	1133.3	1099.4



TEST NUMBER: P1444425  
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	1512.9	1490.5	1468.0	1445.9	1423.8	1401.4	1384.8	1368.1	1351.7	1335.0	1318.2
115°	1407.2	1400.0	1392.6	1385.5	1378.5	1371.1	1369.7	1368.6	1367.1	1366.0	1364.8
117.5°	1231.8	1232.8	1233.5	1234.8	1235.9	1237.0	1245.7	1254.1	1262.9	1271.8	1280.8
120°	1057.8	1063.5	1068.9	1074.7	1080.3	1086.2	1097.5	1109.2	1120.8	1132.9	1144.9
122.5°	912.9	916.7	920.2	924.1	928.0	931.8	943.0	954.5	965.9	977.6	989.6
125°	801.5	801.2	800.9	800.4	800.1	800.1	809.2	818.5	827.9	837.8	847.2
127.5°	726.6	723.2	719.9	717.0	713.6	710.8	715.9	721.1	726.4	732.0	737.5
130°	681.2	676.0	670.6	665.6	660.2	655.2	656.9	658.7	660.4	662.4	664.4
132.5°	654.5	648.8	642.7	636.7	630.7	624.9	624.2	623.6	622.9	622.7	622.5
135°	636.9	631.5	625.6	619.9	614.0	608.6	606.7	604.7	603.0	601.3	599.7
137.5°	625.1	620.4	615.8	611.4	606.4	601.9	599.0	597.0	594.4	592.8	590.5
140°	616.5	613.0	608.9	605.2	601.4	597.7	595.3	593.5	591.4	589.8	587.8
142.5°	610.2	607.3	604.4	601.7	598.6	595.8	593.6	591.8	589.9	588.2	586.3
145°	608.4	606.5	604.4	602.4	600.4	598.4	596.5	595.1	593.6	592.1	591.0
147.5°	603.4	601.9	600.6	599.1	597.5	596.2	594.8	594.1	592.6	591.8	590.7
150°	598.0	596.8	595.4	594.5	592.8	591.7	590.8	590.1	589.2	588.8	587.9
152.5°	590.2	589.3	587.9	586.9	585.5	584.4	583.6	583.1	582.4	581.9	581.0
155°	585.3	584.6	583.6	582.8	581.7	581.1	580.2	579.2	578.5	577.7	576.7
157.5°	583.4	582.7	581.7	581.2	580.0	579.3	578.5	577.7	576.7	576.1	575.2
160°	583.0	582.4	581.5	580.7	580.0	579.2	578.0	577.1	575.9	575.2	573.9
162.5°	585.7	584.7	583.8	582.9	581.6	580.9	579.9	579.1	578.4	577.6	576.6
165°	587.9	587.2	586.4	585.7	585.1	584.3	583.2	582.3	581.2	580.4	579.2
167.5°	593.7	593.2	592.4	591.8	590.9	590.1	589.3	588.2	587.2	586.2	585.0
170°	597.3	596.2	595.6	594.7	593.8	592.8	592.1	591.0	590.0	589.4	588.1
172.5°	602.5	602.0	601.2	600.6	599.5	598.9	598.3	597.5	596.7	595.8	595.2
175°	602.9	602.7	602.5	601.9	601.7	601.4	601.0	600.8	600.4	600.2	599.6
177.5°	605.2	605.0	605.0	604.6	604.4	604.4	604.0	603.7	603.3	602.9	602.6
180°	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4



TEST NUMBER: P1444425  
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL40

**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°	217.4	222.9	216.6	217.4	212.8	215.2	206.1	204.4	190.8	186.8	174.9
92.5°	54.6	50.9	47.9	44.6	48.6	51.1	54.9	57.3	61.0	63.7	67.3
95°	73.7	70.0	66.4	62.8	65.7	68.5	71.4	74.4	77.2	80.1	83.0
97.5°	101.0	98.6	96.2	93.7	95.5	97.2	98.8	100.5	102.2	103.9	105.7
100°	128.8	126.9	125.0	123.1	123.1	123.1	123.1	123.1	123.1	123.1	123.1
102.5°	207.2	199.1	190.8	182.6	188.2	193.7	199.3	204.8	210.5	216.0	221.8
105°	392.2	369.7	347.3	324.8	346.5	368.3	390.0	411.8	433.5	455.7	477.4
107.5°	712.8	677.2	641.7	606.2	646.1	685.6	725.3	764.9	804.5	844.1	884.2
110°	1065.6	1031.8	998.0	964.2	1006.3	1048.3	1090.3	1132.3	1174.5	1216.5	1258.9



TEST NUMBER: P1444425  
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	1301.7	1285.4	1268.9	1252.5	1279.5	1306.6	1333.6	1361.0	1388.2	1415.4	1442.5
115°	1363.7	1362.7	1361.7	1360.7	1373.6	1386.4	1399.2	1412.2	1425.1	1437.9	1451.0
117.5°	1289.6	1298.6	1307.8	1316.9	1321.1	1325.2	1329.5	1333.6	1338.1	1342.4	1346.8
120°	1157.0	1168.8	1181.1	1193.4	1191.7	1190.0	1188.5	1186.8	1185.7	1184.2	1183.4
122.5°	1001.5	1013.5	1025.9	1038.0	1034.3	1030.7	1027.3	1023.8	1020.7	1017.5	1014.4
125°	857.3	867.1	877.4	887.6	884.0	880.4	876.9	873.8	870.6	867.3	864.6
127.5°	743.6	749.9	755.7	762.1	760.4	758.7	757.7	756.1	754.9	754.0	753.3
130°	666.8	669.4	672.3	674.9	675.4	675.9	676.8	677.7	679.1	680.1	681.7
132.5°	622.9	622.9	623.4	623.9	625.8	627.7	630.2	632.5	635.5	637.9	641.4
135°	598.7	597.7	596.8	596.3	599.2	602.0	605.1	608.4	612.4	616.2	620.2
137.5°	589.0	587.2	586.2	584.7	587.6	590.5	593.8	597.1	600.7	604.6	608.8
140°	586.4	585.0	584.2	582.9	585.8	588.5	591.8	595.1	598.7	602.7	606.6
142.5°	585.1	583.5	582.7	581.8	584.0	586.7	590.0	592.8	596.2	599.4	603.2
145°	589.7	588.5	587.8	587.0	588.8	590.7	592.9	595.2	597.7	600.1	603.2
147.5°	589.9	589.2	588.8	588.1	589.6	590.9	592.5	593.9	596.0	597.8	600.0
150°	587.7	586.9	586.7	586.5	587.3	588.0	589.3	590.0	591.4	592.5	594.2
152.5°	580.9	580.2	580.3	579.9	580.5	581.2	582.2	583.0	584.1	585.0	586.6
155°	576.3	575.7	575.2	574.6	574.7	574.8	575.2	575.3	576.0	576.3	576.9
157.5°	574.8	574.0	573.7	572.9	572.7	572.4	572.5	572.4	572.6	572.3	572.5
160°	573.3	572.2	571.3	570.5	570.7	570.4	570.6	570.4	570.7	570.8	571.0
162.5°	576.0	575.3	574.7	573.9	573.5	572.8	572.4	571.6	571.3	570.9	570.7
165°	578.2	577.1	576.3	575.1	574.9	574.7	574.3	573.9	573.8	573.5	573.5
167.5°	584.3	583.2	582.3	581.4	580.8	579.7	579.3	578.6	577.9	577.2	577.0
170°	587.4	586.5	585.8	585.0	584.7	584.1	583.9	583.3	583.1	582.9	582.9
172.5°	594.6	593.8	593.1	592.5	592.2	591.8	591.6	591.4	591.0	591.0	590.8
175°	599.4	599.0	598.8	598.4	598.0	597.7	597.3	597.1	596.8	596.4	596.2
177.5°	602.1	601.7	601.4	601.2	601.0	601.0	601.0	601.0	601.0	600.8	600.6
180°	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4



TEST NUMBER: P1444425  
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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°	173.5	163.1	163.1	155.9	157.7	151.8	155.5	152.1	156.6	153.1	158.3
92.5°	69.9	73.1	78.7	85.1	90.5	96.3	101.9	108.3	113.7	119.9	125.3
95°	85.9	88.8	96.6	104.2	112.0	119.8	127.6	135.4	143.2	150.8	158.6
97.5°	107.5	109.2	116.9	124.6	132.4	140.2	147.8	156.0	163.8	171.4	179.2
100°	123.1	123.3	145.3	167.3	189.2	211.3	233.3	255.3	277.6	299.6	321.6
102.5°	227.3	232.9	288.5	344.2	399.8	455.4	511.1	566.9	622.5	678.4	734.0
105°	499.2	520.9	605.7	690.8	775.5	860.6	945.5	1030.8	1115.8	1200.8	1285.8
107.5°	923.7	963.6	1040.4	1117.2	1193.7	1270.6	1347.5	1424.3	1501.1	1578.1	1655.3
110°	1300.9	1343.2	1394.6	1446.2	1497.9	1549.2	1600.8	1652.3	1704.2	1755.8	1807.7



TEST NUMBER: P1444425  
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	1469.6	1497.1	1527.0	1557.3	1587.5	1617.6	1647.8	1678.1	1708.5	1739.0	1769.4
115°	1464.3	1477.5	1489.1	1501.2	1512.9	1525.0	1537.0	1549.2	1561.6	1573.6	1586.0
117.5°	1351.2	1356.1	1357.9	1360.1	1362.1	1364.7	1367.0	1369.5	1372.1	1374.8	1377.0
120°	1181.9	1180.8	1179.2	1177.7	1176.1	1174.8	1173.6	1172.3	1171.1	1170.1	1168.8
122.5°	1011.3	1008.7	1007.1	1005.8	1004.5	1003.5	1002.4	1001.7	1000.6	999.7	998.7
125°	861.8	859.3	861.5	863.7	866.0	868.5	870.9	873.8	876.3	878.9	881.7
127.5°	752.4	752.0	757.1	762.2	767.3	772.7	777.9	783.5	788.6	794.4	799.5
130°	683.3	685.1	691.4	698.1	704.5	711.2	717.9	724.9	731.2	738.0	744.5
132.5°	644.3	648.0	653.8	660.4	666.6	673.2	679.7	686.2	692.7	699.4	705.5
135°	624.5	628.9	634.6	640.5	646.4	652.6	658.4	664.6	670.3	676.4	682.1
137.5°	612.8	617.3	622.1	627.0	631.6	636.9	641.8	646.9	651.5	656.6	661.2
140°	610.7	615.2	617.9	621.3	624.3	627.4	630.3	633.7	636.4	639.8	642.5
142.5°	606.9	611.1	612.7	615.0	617.1	619.7	621.7	624.0	626.0	628.0	629.8
145°	605.9	609.1	609.5	610.4	611.2	612.0	612.5	613.3	613.7	614.3	614.8
147.5°	602.3	604.6	604.5	604.9	605.1	605.1	605.4	605.6	605.4	605.6	605.7
150°	595.5	597.3	596.7	596.7	596.1	595.9	595.3	595.2	594.6	594.4	593.8
152.5°	587.7	589.2	588.1	587.9	587.1	586.6	585.8	585.5	584.7	584.1	583.7
155°	577.2	578.0	577.5	577.1	576.7	576.4	575.9	576.0	575.8	575.5	575.3
157.5°	572.6	572.6	572.4	572.1	571.7	571.6	571.4	571.3	571.3	571.6	571.8
160°	570.9	571.2	570.8	570.5	570.3	570.0	569.8	569.9	569.9	570.4	570.6
162.5°	570.1	569.9	569.5	569.2	569.0	569.0	568.9	569.3	569.3	569.6	569.9
165°	573.6	573.8	572.9	572.8	572.4	572.1	571.8	571.7	571.8	571.9	572.0
167.5°	576.5	576.3	576.3	576.5	576.5	576.7	576.9	577.7	577.9	578.7	578.9
170°	582.8	582.9	582.6	582.4	582.2	582.2	582.1	582.1	582.3	582.4	582.4
172.5°	590.8	590.8	590.3	589.8	589.4	589.1	588.5	588.4	588.0	587.7	587.2
175°	595.8	595.6	595.4	595.1	594.9	594.4	594.2	593.5	593.3	593.0	592.8
177.5°	600.4	600.0	599.7	599.7	599.5	599.4	599.4	599.2	599.2	599.2	598.8
180°	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4



TEST NUMBER: P1444425  
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL40

**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°	146.5	143.5	132.3	129.5	118.3	112.4	99.9	95.4	83.7	81.2	73.8
92.5°	118.8	112.3	106.1	99.2	93.1	86.6	80.0	73.6	67.0	64.4	62.7
95°	149.2	139.9	130.6	121.1	111.7	102.2	93.0	83.5	74.2	72.2	70.3
97.5°	168.3	157.2	146.1	135.2	124.0	112.9	102.0	90.9	79.8	78.6	77.4
100°	296.1	270.7	245.2	219.6	194.1	168.5	143.2	117.5	92.1	90.7	89.2
102.5°	672.0	610.0	548.2	486.3	424.6	362.5	300.7	238.5	176.7	167.7	158.8
105°	1192.0	1098.1	1004.8	910.9	817.2	723.4	629.8	535.8	442.0	412.0	381.8
107.5°	1567.2	1479.0	1391.1	1303.1	1214.9	1127.1	1038.8	950.6	862.4	809.4	756.4
110°	1737.8	1668.0	1598.4	1528.4	1458.8	1388.9	1318.9	1249.0	1179.1	1133.4	1088.1



TEST NUMBER: P1444425  
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**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	1718.4	1667.3	1616.5	1565.3	1514.3	1463.0	1412.1	1360.7	1309.5	1281.9	1254.3
115°	1555.6	1524.9	1494.4	1463.9	1433.1	1402.5	1371.9	1340.8	1310.0	1295.7	1281.2
117.5°	1361.8	1346.3	1331.2	1315.6	1300.2	1284.5	1269.1	1253.4	1237.7	1233.0	1228.0
120°	1165.0	1160.6	1156.0	1151.6	1147.2	1142.8	1138.2	1133.6	1128.9	1129.8	1130.8
122.5°	1001.2	1003.5	1006.0	1007.9	1010.4	1012.3	1014.9	1016.5	1018.7	1022.9	1027.2
125°	886.8	891.9	897.0	901.9	906.8	911.8	917.0	921.5	926.7	930.8	935.4
127.5°	805.6	811.0	816.9	822.3	828.1	833.5	839.2	844.4	850.1	854.0	858.5
130°	749.9	754.5	759.9	764.5	769.8	774.6	779.6	784.4	789.3	792.8	796.2
132.5°	710.1	714.8	719.3	723.7	728.5	732.7	737.3	741.7	746.6	749.1	751.9
135°	685.9	689.2	692.9	696.1	700.0	703.3	706.9	710.5	714.4	716.3	718.5
137.5°	664.1	667.0	670.2	673.0	676.1	679.0	682.3	685.4	688.8	690.0	691.7
140°	645.6	648.7	651.6	654.6	657.9	661.0	664.5	667.8	671.4	672.6	674.2
142.5°	632.4	634.6	637.1	639.5	642.1	644.4	647.4	650.3	653.3	654.7	656.1
145°	617.6	620.1	623.1	625.7	628.5	631.5	635.0	638.1	641.5	642.5	643.7
147.5°	607.9	610.1	612.8	615.1	617.8	620.1	623.3	626.1	629.2	630.3	631.3
150°	596.4	598.7	601.2	603.6	606.5	609.3	612.3	615.4	619.0	620.3	621.5
152.5°	586.2	588.7	591.4	594.3	597.2	600.3	603.6	606.8	610.2	611.4	612.9
155°	578.1	580.4	583.2	586.1	589.3	592.0	595.2	598.2	601.6	603.1	604.4
157.5°	574.2	576.3	578.9	581.6	584.2	586.9	589.9	592.6	595.6	596.7	597.9
160°	572.7	574.8	577.1	579.6	582.0	584.4	586.9	589.5	592.0	593.1	594.3
162.5°	572.1	574.3	576.7	578.8	581.4	583.7	586.3	588.5	591.2	592.1	593.3
165°	573.7	575.4	577.3	578.9	580.9	582.3	584.5	586.1	588.3	589.1	590.6
167.5°	580.5	581.6	582.9	584.2	585.9	587.2	588.9	590.2	591.8	592.8	593.9
170°	583.6	584.7	585.8	587.1	588.4	589.8	591.1	592.1	593.8	594.6	595.6
172.5°	588.1	588.7	589.6	590.3	591.2	591.9	592.9	593.7	594.6	595.7	596.6
175°	593.4	593.7	594.1	594.4	594.7	595.2	595.8	596.5	596.9	597.6	598.3
177.5°	599.0	599.3	599.5	599.7	600.5	600.7	601.1	601.4	601.7	602.4	603.3
180°	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4



TEST NUMBER: P1444425  
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**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°	72.1	65.3	63.8	57.4	55.6	51.1	49.5	49.8	51.3	51.7	53.2
92.5°	60.4	58.3	56.1	54.0	51.8	49.6	47.4	49.6	51.8	54.0	56.1
95°	68.4	66.5	64.5	62.6	60.6	58.7	56.8	58.7	60.6	62.8	64.7
97.5°	76.2	75.0	73.8	72.5	71.3	70.1	68.9	70.2	71.4	72.6	73.9
100°	87.8	86.4	84.9	83.4	82.0	80.5	79.1	80.9	82.4	83.8	85.3
102.5°	150.0	141.2	132.2	123.3	114.3	105.4	96.5	105.4	114.3	123.5	132.4
105°	351.5	321.6	291.4	261.2	231.0	200.8	170.6	201.0	231.2	261.4	291.8
107.5°	703.4	650.6	597.4	544.4	491.2	438.1	384.9	438.3	491.5	544.6	597.7
110°	1042.2	996.5	950.8	905.1	859.2	813.5	767.5	813.7	859.6	905.5	951.4



TEST NUMBER: P1444425  
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**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	1226.5	1198.9	1171.0	1143.4	1115.4	1087.7	1059.7	1088.1	1116.2	1144.3	1172.2
115°	1266.8	1252.2	1237.8	1223.1	1208.4	1193.7	1178.8	1194.4	1209.4	1224.3	1239.4
117.5°	1223.0	1218.3	1213.1	1208.2	1203.0	1198.0	1192.6	1198.4	1203.9	1209.9	1215.0
120°	1131.3	1132.5	1133.2	1133.8	1134.6	1135.1	1135.5	1135.9	1135.9	1135.9	1135.7
122.5°	1031.3	1035.5	1039.6	1043.6	1047.5	1051.5	1054.9	1052.2	1049.1	1046.1	1042.6
125°	939.6	944.2	948.4	952.7	956.5	960.9	964.1	961.8	958.7	955.5	952.0
127.5°	862.5	866.4	870.3	874.4	877.8	881.6	884.7	882.7	879.9	877.3	874.3
130°	799.2	802.9	805.7	808.9	811.5	814.2	816.5	815.4	813.7	812.3	810.1
132.5°	754.5	757.4	759.9	762.3	764.2	766.5	767.9	767.6	766.7	765.9	764.4
135°	720.6	722.6	724.5	726.7	728.0	729.4	730.2	730.8	730.5	730.3	729.4
137.5°	692.9	694.5	695.7	696.7	697.5	698.1	698.4	699.5	700.0	700.9	700.9
140°	675.5	677.1	678.4	679.4	680.5	681.3	681.4	682.7	683.2	683.6	683.5
142.5°	657.6	659.0	660.3	661.5	662.2	663.0	663.3	664.4	664.9	665.3	665.4
145°	645.0	646.0	647.0	648.0	648.4	648.8	648.7	650.2	650.9	651.6	652.1
147.5°	632.3	633.6	634.1	634.9	635.4	635.8	635.9	636.9	637.8	638.5	639.0
150°	623.1	624.4	625.5	626.6	627.5	628.2	628.4	629.3	629.8	630.2	630.2
152.5°	614.0	615.1	616.1	617.1	618.0	618.5	618.8	619.6	620.5	621.1	621.3
155°	605.6	606.9	608.0	609.2	609.9	610.9	611.7	612.5	613.1	613.4	613.8
157.5°	599.0	600.4	601.4	602.5	603.3	604.4	605.2	606.1	606.7	607.5	607.8
160°	595.2	596.6	597.3	598.5	599.4	600.5	601.2	602.2	602.9	603.5	604.3
162.5°	594.2	595.4	595.9	597.1	598.0	599.0	599.7	600.8	601.5	602.3	602.9
165°	591.7	593.0	593.9	595.2	596.3	597.6	598.3	599.1	599.4	600.0	600.3
167.5°	594.8	596.1	596.8	598.1	598.8	600.2	601.2	601.7	602.0	602.4	602.6
170°	596.4	597.5	598.4	599.3	600.3	601.4	602.0	602.4	602.6	603.0	603.3
172.5°	597.4	598.6	599.5	600.8	601.6	602.7	603.6	603.8	603.7	603.7	603.4
175°	598.9	600.0	600.7	601.6	602.2	603.1	603.9	603.6	603.7	603.5	603.4
177.5°	604.3	605.4	606.3	607.0	608.0	608.7	609.6	608.9	608.4	607.8	607.1
180°	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4



TEST NUMBER: P1444425  
CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL40

**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°	54.2	55.5	56.3	57.8	59.9	63.8	67.9	71.8	76.6	80.4	84.8
92.5°	58.3	60.5	62.8	64.9	67.1	73.7	80.1	86.7	93.4	99.7	106.2
95°	66.7	68.6	70.5	72.8	74.8	84.2	93.6	103.0	112.5	121.9	131.4
97.5°	75.5	76.7	77.9	79.1	80.5	91.6	102.7	113.8	124.9	136.1	147.0
100°	86.9	88.3	89.7	91.4	92.8	118.5	144.1	169.6	195.2	220.7	246.3
102.5°	141.5	150.3	159.3	168.6	177.6	239.6	301.8	363.8	425.5	487.6	549.6
105°	322.0	352.1	382.8	413.0	443.2	537.1	631.1	725.1	818.7	912.4	1006.5
107.5°	651.1	704.3	757.6	810.7	863.9	952.3	1040.5	1128.8	1217.2	1305.3	1393.2
110°	997.6	1043.1	1089.4	1135.3	1181.2	1251.2	1321.4	1391.3	1461.4	1531.4	1601.3



TEST NUMBER: P1444425  
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	1200.4	1228.3	1256.2	1283.9	1311.9	1363.3	1415.0	1466.3	1517.7	1568.7	1620.1
115°	1254.3	1268.7	1283.6	1298.3	1313.2	1344.3	1375.2	1406.1	1437.1	1467.9	1498.9
117.5°	1220.5	1225.8	1231.2	1236.0	1241.4	1257.2	1273.2	1288.9	1304.7	1320.7	1336.3
120°	1135.5	1134.9	1134.6	1133.8	1133.4	1138.1	1143.2	1147.7	1152.8	1157.3	1162.0
122.5°	1039.2	1035.3	1031.8	1027.9	1024.2	1022.0	1020.4	1018.2	1016.8	1014.5	1012.7
125°	948.4	944.5	940.8	936.8	932.6	928.1	923.4	918.7	913.9	909.2	904.5
127.5°	871.4	867.8	864.6	860.8	857.1	851.7	846.6	841.0	836.0	830.4	825.1
130°	808.0	805.3	803.2	799.9	797.4	792.3	787.9	783.0	778.3	773.6	768.9
132.5°	763.1	761.2	759.4	757.0	755.0	750.6	746.7	742.1	737.9	733.4	729.3
135°	728.8	727.6	726.6	725.0	723.6	719.9	716.9	713.5	710.2	706.8	703.6
137.5°	700.9	700.2	699.7	699.1	698.4	695.5	692.9	690.0	687.2	684.3	681.7
140°	683.6	683.2	682.8	682.2	681.5	678.5	675.6	672.6	669.8	666.7	663.8
142.5°	665.3	665.0	664.7	664.1	663.6	661.1	659.1	656.8	654.3	652.1	649.9
145°	652.3	652.2	652.4	651.9	652.1	649.2	646.9	643.9	641.7	638.9	636.5
147.5°	639.6	639.6	639.9	639.8	640.2	637.8	635.9	633.6	631.7	629.3	627.5
150°	630.5	630.5	630.5	630.3	630.1	627.8	625.9	623.7	621.8	619.3	617.4
152.5°	621.6	621.8	622.0	622.1	622.4	620.2	618.1	615.8	613.7	611.3	609.2
155°	614.2	614.4	614.6	614.6	614.6	612.7	610.7	608.6	606.7	604.5	602.6
157.5°	608.2	608.6	609.0	609.2	609.4	607.7	606.0	604.4	602.7	600.8	599.0
160°	604.6	605.2	605.6	605.8	606.1	604.7	603.6	601.8	600.8	598.8	597.3
162.5°	603.4	604.0	604.4	604.6	604.9	603.5	602.4	601.0	599.5	597.6	596.2
165°	600.8	600.7	601.1	601.0	601.2	600.2	599.4	598.4	597.5	596.3	595.4
167.5°	603.0	602.9	603.3	603.1	603.3	602.6	602.5	601.6	600.9	600.1	599.3
170°	603.4	603.5	603.7	603.6	603.8	603.1	602.6	601.9	601.5	600.4	599.6
172.5°	603.5	603.1	603.1	603.0	602.7	602.2	601.9	601.5	601.2	600.7	600.2
175°	603.1	602.8	602.7	602.4	602.1	602.1	601.8	601.8	601.5	601.3	601.0
177.5°	606.7	606.2	605.4	604.9	604.4	604.2	604.1	603.9	604.1	603.8	603.6
180°	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4



TEST NUMBER: P1444425  
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL40

**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°	88.9	108.6	112.3	110.2	103.0	100.1	93.4	91.4	85.5	83.3	77.5
92.5°	112.8	119.3	125.8	120.0	114.2	108.4	102.6	96.7	91.0	85.1	79.4
95°	140.8	149.8	159.2	151.5	143.6	135.8	128.0	120.4	112.6	104.8	97.2
97.5°	158.1	168.8	179.8	172.0	164.4	156.4	148.6	141.0	133.2	125.2	117.5
100°	271.8	296.7	322.2	300.2	278.0	256.1	234.1	211.9	189.9	168.0	145.8
102.5°	611.5	673.0	734.7	678.9	623.2	567.4	511.8	456.2	400.6	344.6	289.1
105°	1100.0	1193.1	1286.7	1201.3	1116.4	1031.4	946.3	861.4	776.3	691.2	606.3
107.5°	1481.5	1568.4	1656.0	1579.0	1502.1	1425.3	1348.1	1271.4	1194.5	1117.5	1040.8
110°	1671.2	1739.3	1808.9	1756.9	1705.3	1653.3	1601.8	1549.9	1498.4	1446.9	1395.4



TEST NUMBER: P1444425  
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	1671.1	1720.1	1770.7	1739.9	1709.8	1679.2	1648.9	1618.4	1588.4	1557.8	1528.0
115°	1529.2	1557.5	1587.6	1574.9	1562.9	1550.5	1538.3	1526.3	1514.1	1501.9	1490.2
117.5°	1351.9	1364.4	1379.0	1376.3	1373.9	1371.0	1368.7	1366.0	1363.9	1361.4	1359.2
120°	1166.5	1167.7	1171.3	1172.2	1173.5	1174.4	1175.6	1176.7	1178.0	1179.2	1180.7
122.5°	1010.5	1004.7	1001.3	1002.2	1003.1	1003.9	1005.0	1005.7	1006.8	1007.9	1009.1
125°	899.6	890.4	884.4	881.7	879.1	876.4	873.7	871.1	868.7	866.2	863.9
127.5°	819.6	809.6	803.0	797.6	792.3	786.7	781.4	775.9	770.8	765.2	760.3
130°	764.1	754.4	748.4	741.6	735.3	728.3	721.9	715.3	708.5	702.0	695.4
132.5°	725.0	715.4	709.7	703.5	697.3	690.7	684.5	677.8	671.5	664.8	658.7
135°	700.1	691.3	686.7	680.7	675.3	669.3	663.4	657.5	651.7	645.6	640.1
137.5°	678.7	669.9	666.0	661.2	656.7	651.8	647.4	642.2	637.6	632.3	627.9
140°	660.9	651.7	647.5	644.8	642.1	639.0	636.2	633.1	630.4	627.5	624.5
142.5°	647.6	638.7	635.1	633.1	631.5	629.3	627.9	625.9	624.0	621.4	619.6
145°	634.0	624.1	620.1	619.4	619.4	618.8	618.4	617.9	617.5	616.7	616.3
147.5°	625.1	615.0	611.1	611.3	611.4	611.2	611.6	611.3	611.6	611.5	611.6
150°	615.0	603.6	598.9	599.5	600.0	600.6	601.1	601.5	602.3	602.7	603.2
152.5°	606.7	593.1	587.9	588.5	589.5	589.9	590.6	591.5	592.4	593.2	593.9
155°	600.1	585.3	579.8	579.7	580.0	580.3	580.6	581.1	581.6	582.0	582.7
157.5°	597.0	581.5	576.1	575.6	575.7	575.7	575.8	576.0	576.3	576.5	577.2
160°	595.7	580.2	574.9	574.4	574.5	574.3	574.2	574.2	574.5	574.7	575.2
162.5°	594.5	579.4	574.3	573.7	573.5	573.3	573.3	573.0	573.2	573.2	573.7
165°	594.0	580.8	576.1	575.9	576.0	575.8	576.0	576.1	576.4	576.6	577.1
167.5°	598.2	586.4	582.9	582.3	581.7	581.2	581.2	580.4	580.4	580.0	580.0
170°	598.7	589.4	586.2	586.0	586.3	586.1	585.9	586.0	586.0	585.9	586.2
172.5°	599.5	592.7	590.3	590.6	591.1	591.3	591.8	592.2	592.7	593.1	593.6
175°	600.8	596.6	595.6	595.5	595.8	596.0	596.3	596.5	596.8	597.0	597.6
177.5°	603.6	602.3	601.7	601.7	601.7	601.7	601.7	601.7	601.7	601.9	601.9
180°	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4



TEST NUMBER: P1444425  
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL40

**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°	76.2	72.0	72.2	67.7	69.2	64.3	67.2	62.7	66.5	60.8	69.5
92.5°	73.5	70.4	67.2	64.2	60.9	57.8	54.6	51.5	48.3	45.2	48.3
95°	89.4	86.5	83.6	80.5	77.6	74.8	71.8	68.9	66.1	63.2	66.8
97.5°	109.8	108.1	106.3	104.7	103.0	101.3	99.6	98.0	96.1	94.3	96.8
100°	123.8	123.8	123.8	123.8	123.4	123.4	123.4	123.4	123.4	123.4	125.3
102.5°	233.3	227.7	222.2	216.4	210.9	205.2	199.7	194.1	188.6	183.0	191.2
105°	521.4	499.7	477.7	456.0	434.0	412.3	390.5	368.8	347.0	325.3	347.8
107.5°	964.2	924.3	884.6	844.9	805.1	765.5	725.9	686.2	646.7	607.0	642.5
110°	1343.8	1301.5	1259.3	1217.3	1175.1	1132.8	1090.8	1048.8	1006.8	964.7	998.5



TEST NUMBER: P1444425  
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	1497.9	1470.2	1443.0	1415.7	1388.5	1361.3	1334.2	1307.2	1280.1	1253.1	1269.5
115°	1478.1	1465.1	1451.9	1438.8	1425.8	1412.7	1399.8	1387.0	1374.2	1361.3	1362.4
117.5°	1357.0	1352.4	1347.8	1343.4	1338.8	1334.5	1330.2	1326.1	1321.8	1317.9	1308.7
120°	1182.3	1183.4	1184.3	1185.5	1186.9	1188.4	1189.5	1191.1	1192.8	1194.6	1182.2
122.5°	1010.4	1013.1	1016.0	1019.0	1022.1	1025.3	1028.6	1032.2	1035.8	1039.5	1027.2
125°	861.4	864.1	866.7	869.7	872.3	875.7	878.9	882.6	886.1	889.8	879.4
127.5°	755.1	755.6	756.0	756.9	757.7	759.0	760.3	761.7	763.4	765.3	758.8
130°	688.8	687.1	685.3	683.9	682.3	681.4	680.5	679.8	679.1	678.8	675.9
132.5°	652.2	648.9	645.7	642.5	639.6	637.2	634.5	632.4	630.3	628.6	627.8
135°	633.9	629.6	625.4	621.3	617.3	614.0	610.3	607.5	604.4	601.7	602.4
137.5°	623.1	618.9	614.6	610.6	606.6	603.4	599.7	596.6	593.8	591.1	592.3
140°	621.4	617.2	613.0	609.1	605.5	602.0	598.4	595.6	592.4	590.0	590.7
142.5°	617.5	614.2	610.0	606.7	603.1	600.1	597.0	594.4	591.3	589.3	590.2
145°	615.6	613.0	610.0	607.3	604.8	602.7	600.1	598.1	596.2	594.9	595.3
147.5°	611.4	609.5	607.0	605.3	603.1	601.6	599.7	598.5	597.0	596.0	596.2
150°	603.6	602.4	601.0	599.7	598.4	597.4	596.3	595.5	594.6	594.0	594.0
152.5°	594.7	593.7	592.4	591.4	590.3	589.5	588.5	587.9	587.2	586.6	586.5
155°	583.2	582.7	582.2	581.9	581.4	581.5	581.0	581.2	580.9	580.9	581.1
157.5°	577.5	577.6	577.2	577.7	577.6	577.8	577.7	578.2	578.1	578.7	579.1
160°	575.8	575.7	575.4	575.5	575.4	575.3	575.4	575.5	575.6	575.7	576.2
162.5°	573.9	574.5	574.7	575.1	575.6	576.0	576.6	577.3	577.8	578.6	579.1
165°	577.7	577.7	577.6	577.6	577.9	578.0	578.2	578.8	578.8	579.4	580.2
167.5°	579.8	580.2	580.3	580.7	581.1	581.8	582.2	583.0	583.6	584.6	585.2
170°	586.0	586.0	586.0	586.0	586.0	586.4	586.6	586.7	586.9	587.5	587.9
172.5°	593.9	593.9	593.5	593.9	593.5	593.9	593.9	594.1	594.1	594.2	594.4
175°	597.5	598.0	598.3	598.7	598.7	599.0	599.2	599.4	599.7	600.2	600.2
177.5°	601.9	602.1	602.1	602.1	602.1	602.3	602.3	602.3	602.3	602.1	602.3
180°	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4



TEST NUMBER: P1444425  
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL40

**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°	68.3	75.8	74.9	81.7	81.6	89.4	89.9	97.4	97.1	104.3	105.2
92.5°	51.5	54.6	57.7	60.9	64.1	67.2	70.3	73.5	80.2	86.6	93.7
95°	70.4	74.1	77.7	81.2	84.9	88.5	92.1	95.8	105.6	115.5	125.4
97.5°	99.4	101.6	104.0	106.4	108.9	111.3	113.7	116.1	126.9	137.6	148.2
100°	127.2	129.2	131.1	133.1	135.0	136.9	138.8	140.8	161.7	182.2	202.8
102.5°	199.5	207.7	215.9	224.1	232.6	240.7	249.0	257.2	304.5	351.6	398.8
105°	370.2	392.7	415.4	437.8	460.3	482.8	505.4	527.9	603.5	678.9	754.6
107.5°	678.0	713.6	749.1	784.7	820.2	855.9	891.5	927.2	1000.7	1074.6	1148.2
110°	1032.3	1066.3	1100.1	1134.2	1168.0	1202.0	1236.0	1270.2	1314.5	1358.7	1403.0



TEST NUMBER: P1444425  
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	1286.1	1302.4	1319.1	1335.7	1352.4	1369.1	1385.8	1402.6	1424.9	1447.0	1469.4
115°	1363.4	1364.4	1365.7	1366.9	1368.2	1369.4	1371.0	1372.4	1379.8	1386.9	1394.1
117.5°	1299.7	1290.7	1281.9	1273.1	1264.3	1255.8	1247.2	1238.9	1237.6	1236.5	1235.6
120°	1170.5	1158.4	1146.4	1134.2	1122.7	1110.9	1099.6	1088.2	1082.7	1077.0	1071.7
122.5°	1015.3	1003.3	991.5	979.7	968.2	956.8	945.6	934.5	930.8	927.0	923.5
125°	869.5	859.7	849.9	840.2	831.0	821.7	812.6	803.7	804.0	804.1	804.8
127.5°	752.9	747.0	741.1	735.7	730.4	725.0	720.1	714.9	718.2	721.4	724.8
130°	673.4	671.1	669.1	666.6	665.2	663.4	661.8	660.2	665.7	670.6	676.1
132.5°	627.8	627.6	627.8	628.0	628.6	629.1	630.1	630.6	636.7	642.4	648.5
135°	603.3	604.3	605.9	607.2	609.2	610.8	613.1	614.8	620.7	626.1	632.1
137.5°	593.8	595.3	597.1	599.0	601.5	603.6	606.2	608.4	613.1	617.7	622.3
140°	592.2	593.1	595.0	596.6	598.4	600.3	602.7	604.5	608.6	612.1	615.8
142.5°	591.6	592.4	594.0	595.7	597.5	599.0	601.1	602.8	605.7	608.3	611.7
145°	596.4	597.1	598.6	599.5	601.1	602.4	604.0	605.4	607.4	609.1	611.2
147.5°	596.9	597.5	598.4	599.4	600.6	601.6	602.5	603.5	605.0	606.3	607.6
150°	594.4	594.8	595.4	595.6	596.6	597.3	598.2	598.7	600.0	601.0	602.4
152.5°	587.2	587.4	587.8	588.2	589.0	589.5	590.0	590.7	591.9	592.7	593.9
155°	581.7	582.5	583.2	583.8	584.7	585.1	586.1	586.6	587.6	588.3	589.4
157.5°	579.8	580.2	581.2	581.5	582.5	583.1	583.8	584.4	585.3	585.9	586.7
160°	577.3	578.4	579.1	580.2	581.2	581.9	583.0	583.9	584.7	585.3	586.0
162.5°	579.9	580.7	581.4	582.0	582.8	583.5	584.1	584.8	586.0	586.7	587.8
165°	581.2	582.0	583.1	583.8	585.0	585.9	586.8	587.8	588.3	589.2	589.7
167.5°	586.2	586.8	588.1	588.9	590.0	590.8	591.8	592.6	593.3	593.7	594.5
170°	588.9	589.6	590.5	591.3	592.1	592.7	593.8	594.4	595.3	596.0	597.0
172.5°	595.1	595.7	596.4	596.8	597.5	598.2	598.9	599.3	600.2	600.8	601.4
175°	600.2	600.2	600.4	600.6	600.8	600.8	601.0	601.4	601.6	601.7	601.9
177.5°	602.6	602.8	603.0	603.3	603.5	603.7	604.0	604.2	604.2	604.2	604.2
180°	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4



TEST NUMBER: P1444425  
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL40

**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°	114.6	116.3	126.1	128.3	140.0	143.4	148.7	144.6	149.5	145.7	150.8
92.5°	100.1	107.4	114.1	120.9	127.6	134.5	128.1	121.9	115.5	109.4	103.0
95°	135.3	145.3	155.2	165.1	175.0	184.8	174.3	163.8	153.2	142.6	131.9
97.5°	158.8	169.5	180.1	190.7	201.6	212.2	199.6	187.1	174.5	162.1	149.5
100°	223.3	244.1	264.6	285.1	305.8	326.4	303.2	279.7	256.5	233.1	209.6
102.5°	446.3	493.3	540.5	587.8	635.0	682.3	632.7	583.4	533.6	484.0	434.3
105°	830.2	905.8	981.4	1056.9	1132.4	1208.4	1127.9	1047.4	966.9	886.6	806.0
107.5°	1222.1	1295.7	1369.7	1443.3	1517.1	1591.2	1509.7	1428.0	1346.6	1264.9	1183.3
110°	1447.6	1492.0	1536.5	1581.0	1625.4	1670.1	1610.6	1551.2	1491.8	1432.2	1372.6



TEST NUMBER: P1444425  
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	1491.6	1514.4	1536.5	1559.2	1581.5	1604.1	1561.6	1519.5	1476.8	1434.5	1391.9
115°	1401.7	1408.9	1416.4	1423.9	1431.2	1438.6	1410.2	1381.7	1353.3	1324.8	1296.0
117.5°	1234.7	1234.1	1232.9	1232.5	1231.3	1230.6	1214.8	1199.2	1183.2	1167.3	1151.4
120°	1066.0	1060.5	1055.0	1049.7	1044.0	1038.5	1032.1	1025.7	1019.0	1012.4	1005.8
122.5°	919.8	916.4	912.6	909.1	905.2	901.4	899.1	897.2	894.7	892.6	889.8
125°	805.1	805.4	805.8	806.3	806.4	806.7	805.6	804.9	803.8	803.0	801.8
127.5°	727.7	731.1	734.0	737.2	740.1	743.2	743.1	743.4	743.4	743.5	743.4
130°	681.0	686.5	691.5	696.4	701.1	706.4	705.8	705.7	705.4	705.0	704.6
132.5°	654.3	660.1	665.8	671.9	677.2	682.9	682.3	682.1	681.2	681.0	680.3
135°	637.5	643.0	648.2	654.0	659.1	664.4	663.5	662.9	661.9	661.5	660.6
137.5°	626.5	631.3	635.7	640.0	644.0	648.5	647.5	646.9	645.8	645.4	644.3
140°	619.3	623.1	626.3	630.0	633.3	636.9	635.6	634.6	633.2	632.1	630.8
142.5°	614.3	617.1	619.5	622.5	624.9	627.6	625.5	623.8	622.0	620.2	618.4
145°	613.0	615.1	616.8	618.6	619.9	621.9	619.6	617.6	615.1	613.1	610.6
147.5°	608.7	610.2	611.1	612.4	613.1	614.4	612.1	609.9	607.8	605.5	603.2
150°	603.1	604.6	605.3	606.3	607.2	608.3	605.8	603.6	601.1	598.6	596.4
152.5°	594.9	595.9	596.8	597.5	598.4	599.2	596.8	594.8	592.4	590.0	587.6
155°	589.8	590.7	591.1	591.9	592.1	592.6	590.4	588.9	586.8	584.9	582.7
157.5°	587.2	588.0	588.7	589.0	589.4	590.0	588.4	587.1	585.5	584.1	582.4
160°	586.6	587.2	587.7	588.1	588.8	589.0	587.7	586.7	585.5	584.1	582.6
162.5°	588.5	589.6	590.2	590.8	591.7	592.3	590.8	589.4	587.9	586.4	584.7
165°	590.3	590.9	591.5	592.0	592.2	592.8	591.8	591.0	589.8	588.9	587.7
167.5°	594.9	595.6	596.0	596.6	596.8	597.1	596.1	595.5	594.3	593.3	592.1
170°	597.3	598.0	598.8	599.4	600.0	600.4	599.6	598.9	597.9	597.2	596.2
172.5°	602.0	602.7	602.9	603.5	603.8	604.3	603.5	602.6	601.8	600.9	599.9
175°	601.9	602.1	602.5	602.5	602.5	602.7	602.0	601.3	600.6	599.9	599.0
177.5°	604.2	604.2	604.2	604.0	604.0	604.0	603.5	603.0	602.6	602.1	601.4
180°	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4



TEST NUMBER: P1444425  
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL40

**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°	147.0	152.8	148.7	154.7	153.2	160.4	160.1	167.4	166.2	172.3	169.6
92.5°	96.8	90.4	84.3	77.9	74.8	71.2	68.7	64.9	62.2	58.6	55.4
95°	121.3	110.7	100.0	89.4	85.8	81.9	78.3	74.7	71.1	67.5	63.9
97.5°	137.0	124.4	111.9	99.3	96.2	93.0	89.7	86.6	83.3	80.2	77.1
100°	186.2	162.8	139.4	115.8	113.2	110.5	107.9	105.2	102.5	99.7	97.1
102.5°	384.7	334.9	285.1	235.4	226.0	216.5	207.1	197.6	188.1	178.7	169.3
105°	725.5	644.8	564.2	483.5	457.9	432.3	406.7	381.0	355.4	329.7	304.2
107.5°	1101.5	1019.6	938.0	856.0	808.9	761.6	714.2	666.6	619.5	572.0	524.6
110°	1313.1	1253.5	1193.7	1133.8	1096.1	1057.9	1019.7	981.6	943.6	905.3	867.0



TEST NUMBER: P1444425  
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1349.3	1306.7	1264.0	1221.0	1204.0	1186.6	1169.6	1152.3	1135.0	1117.5	1100.3
115°	1267.3	1238.6	1209.9	1180.8	1175.1	1168.9	1163.1	1156.8	1150.9	1144.6	1138.4
117.5°	1135.5	1119.4	1103.2	1087.2	1088.3	1089.4	1090.7	1091.6	1092.5	1093.3	1094.3
120°	999.1	992.3	985.8	978.8	984.5	989.7	995.3	1000.3	1005.5	1010.3	1015.4
122.5°	887.7	885.0	882.9	879.9	886.8	893.3	899.7	906.1	912.3	918.1	924.0
125°	800.9	799.7	798.7	797.3	804.2	810.8	817.3	823.5	829.9	835.8	841.7
127.5°	743.6	743.5	743.6	743.4	748.6	753.1	757.9	762.1	766.8	770.7	774.6
130°	704.3	703.8	703.6	703.1	707.6	711.8	716.5	720.2	724.4	727.7	731.3
132.5°	679.9	679.2	678.8	677.9	681.6	684.6	688.0	690.5	693.5	695.6	698.0
135°	660.0	659.0	658.4	657.3	660.5	663.6	666.5	669.1	671.8	673.7	675.9
137.5°	643.7	642.6	641.9	640.8	643.8	646.6	649.1	651.4	653.7	655.8	657.5
140°	629.9	628.4	627.6	626.1	628.7	631.1	633.6	635.5	637.8	639.2	640.8
142.5°	616.6	614.5	613.2	610.9	613.0	614.7	616.4	617.9	619.5	620.5	621.5
145°	608.4	605.9	604.0	601.6	603.1	604.3	605.9	607.2	608.1	608.8	609.8
147.5°	601.3	598.7	596.4	594.1	595.6	596.4	597.2	597.9	599.0	599.5	600.0
150°	593.9	591.2	588.7	586.1	587.0	587.7	588.3	589.3	589.9	590.3	590.7
152.5°	585.2	582.8	580.3	577.7	578.3	578.8	579.2	579.6	580.1	580.4	580.6
155°	580.8	578.6	576.4	574.0	574.7	575.0	575.2	575.5	575.6	575.7	575.8
157.5°	580.7	578.8	577.3	575.3	575.3	575.4	575.4	574.9	574.9	574.7	574.3
160°	581.4	579.8	578.3	576.6	576.5	576.4	576.4	575.8	575.7	575.2	574.8
162.5°	583.0	581.4	579.5	577.6	577.5	577.6	577.3	576.8	576.6	576.2	575.8
165°	586.7	585.3	584.1	582.6	582.4	582.0	581.8	581.0	580.7	579.9	579.3
167.5°	590.9	589.7	588.2	586.6	586.6	586.7	586.6	586.3	586.1	585.6	585.5
170°	595.3	594.1	593.2	592.0	591.7	591.5	591.1	590.7	590.1	589.8	589.2
172.5°	598.7	597.7	596.6	595.3	595.3	595.1	594.7	594.5	593.9	593.5	593.4
175°	598.1	597.4	596.3	595.6	595.4	595.2	595.1	594.9	594.5	594.3	593.9
177.5°	600.9	600.5	599.6	599.1	598.9	598.9	598.7	598.5	598.5	598.3	598.1
180°	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4



TEST NUMBER: P1444425  
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL40

**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°	175.3	171.6
92.5°	52.7	49.8
95°	60.2	56.6
97.5°	74.0	70.8
100°	94.3	91.7
102.5°	159.8	150.4
105°	278.6	253.0
107.5°	477.3	429.9
110°	828.9	790.8



TEST NUMBER: P1444425  
CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	1082.7	1065.3
115°	1131.6	1125.3
117.5°	1094.8	1095.3
120°	1019.8	1024.6
122.5°	929.5	935.1
125°	847.2	852.7
127.5°	778.2	781.7
130°	733.9	737.2
132.5°	699.7	701.4
135°	677.2	678.8
137.5°	658.6	659.9
140°	641.7	642.7
142.5°	622.4	623.0
145°	610.3	610.6
147.5°	599.6	600.0
150°	590.6	590.7
152.5°	580.3	580.4
155°	575.5	575.4
157.5°	573.6	573.3
160°	574.2	573.8
162.5°	575.2	574.8
165°	578.4	577.6
167.5°	584.8	584.6
170°	588.5	588.1
172.5°	592.8	592.4
175°	593.7	593.5
177.5°	598.1	597.7
180°	601.4	601.4



TEST NUMBER: P1444425  
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL40

**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	18.56	19.63	19.04	20.09	20.57	16.93	18.01	17.42	18.47	18.95
	3H	20.11	21.07	20.61	21.54	22.07	19.37	20.32	19.87	20.80	21.33
	4H	20.90	21.79	21.42	22.28	22.83	20.48	21.37	21.00	21.86	22.41
	6H	21.67	22.49	22.20	22.99	23.55	21.52	22.35	22.06	22.85	23.41
	8H	21.98	22.76	22.53	23.28	23.85	21.96	22.74	22.51	23.26	23.83
	12H	22.23	22.97	22.78	23.49	24.08	22.32	23.06	22.87	23.57	24.16
4H	2H	18.93	19.83	19.46	20.32	20.87	17.65	18.54	18.17	19.03	19.58
	3H	20.81	21.55	21.34	22.08	22.65	20.27	21.01	20.80	21.55	22.11
	4H	21.81	22.48	22.36	23.02	23.62	21.53	22.19	22.08	22.74	23.34
	6H	22.77	23.34	23.34	23.91	24.53	22.71	23.28	23.29	23.85	24.48
	8H	23.15	23.69	23.74	24.26	24.88	23.21	23.74	23.79	24.31	24.94
	12H	23.46	23.94	24.06	24.54	25.17	23.62	24.09	24.22	24.70	25.33
8H	4H	22.19	22.72	22.77	23.29	23.92	21.94	22.48	22.52	23.05	23.67
	6H	23.34	23.78	23.96	24.40	25.03	23.29	23.73	23.91	24.34	24.98
	8H	23.85	24.24	24.48	24.87	25.52	23.89	24.28	24.53	24.91	25.56
	12H	24.28	24.62	24.91	25.23	25.95	24.42	24.76	25.05	25.37	26.09
12H	4H	22.23	22.71	22.83	23.31	23.94	22.00	22.47	22.60	23.07	23.70
	6H	23.45	23.85	24.09	24.47	25.12	23.40	23.80	24.04	24.42	25.07
	8H	24.04	24.39	24.67	24.99	25.72	24.08	24.42	24.70	25.03	25.75

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

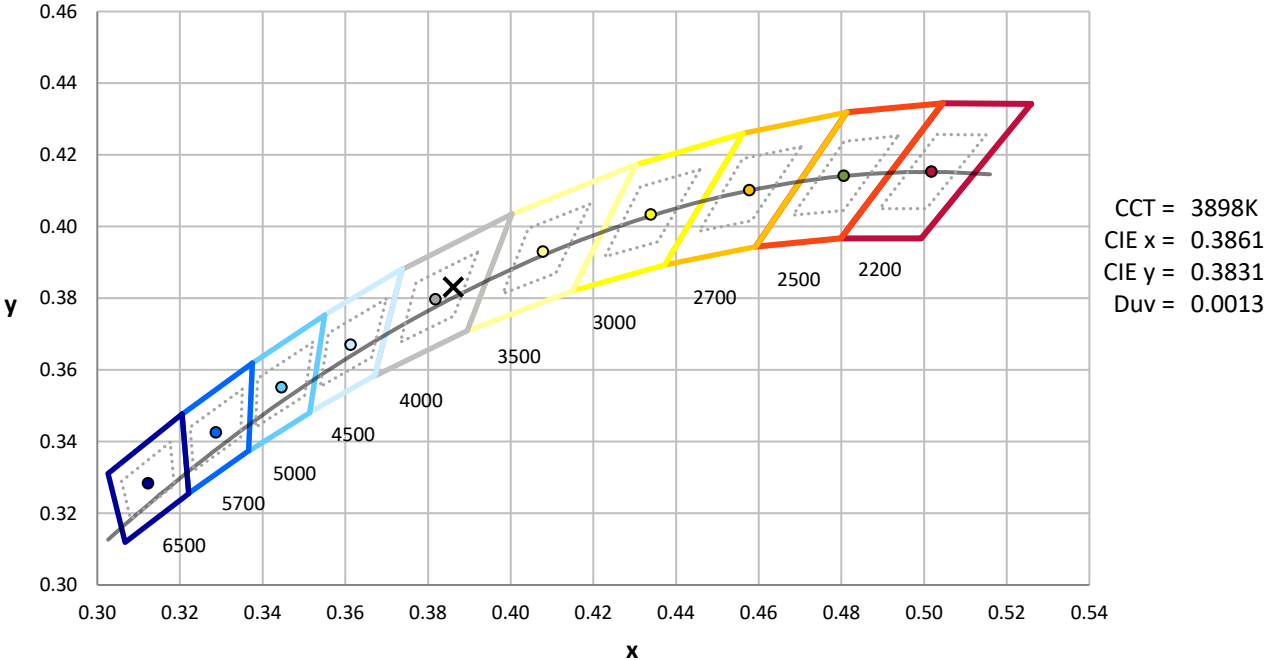
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208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

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CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-1

**Photopic Flux vs. Wavelength**



**Photopic Lumens: NR**

$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)
360	0	NR	490	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 <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /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

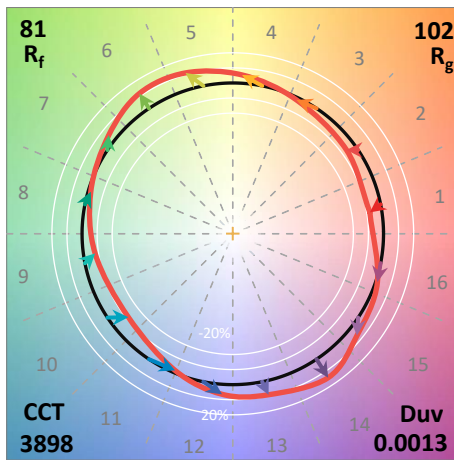
λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	60	NR	620	277	NR	750	6	NR	880	0	NR
365	0	NR	495	87	NR	625	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  $R_a = 82.1$   
 $R_9 = 38.5$

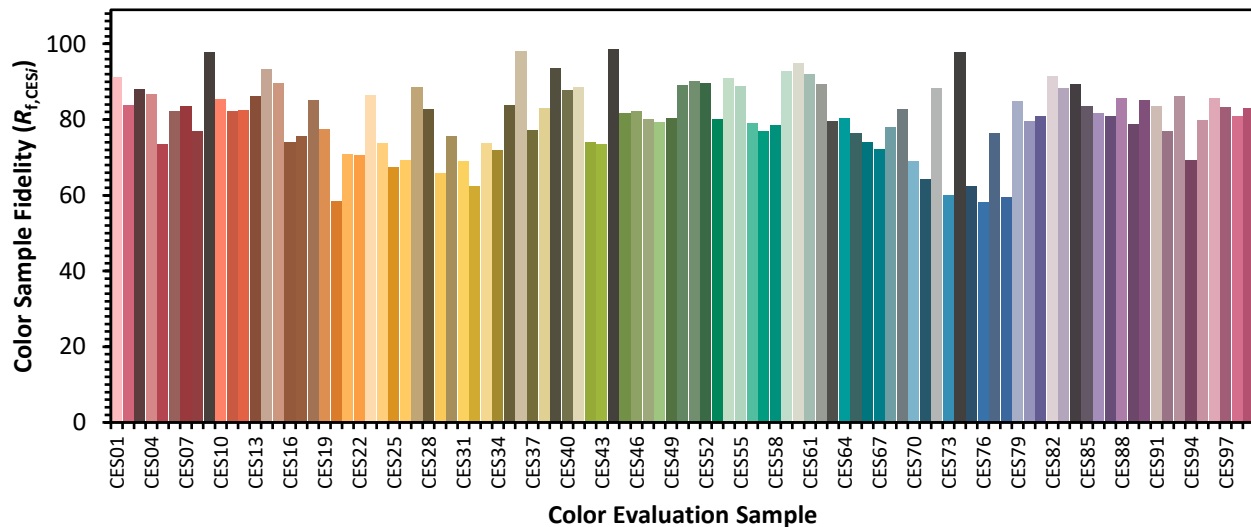


**Color Vector Graphics**



**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)