

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: P1444421

Luminaire Tested: EHBR1-60-UNV-TA-L840-UPL18

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444421
REPORT IS A COMBINATION OF REPORTS P1444326 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-UPL18
Description: Elevate Round Highbay at, 60000 lumens, 4000K 80CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

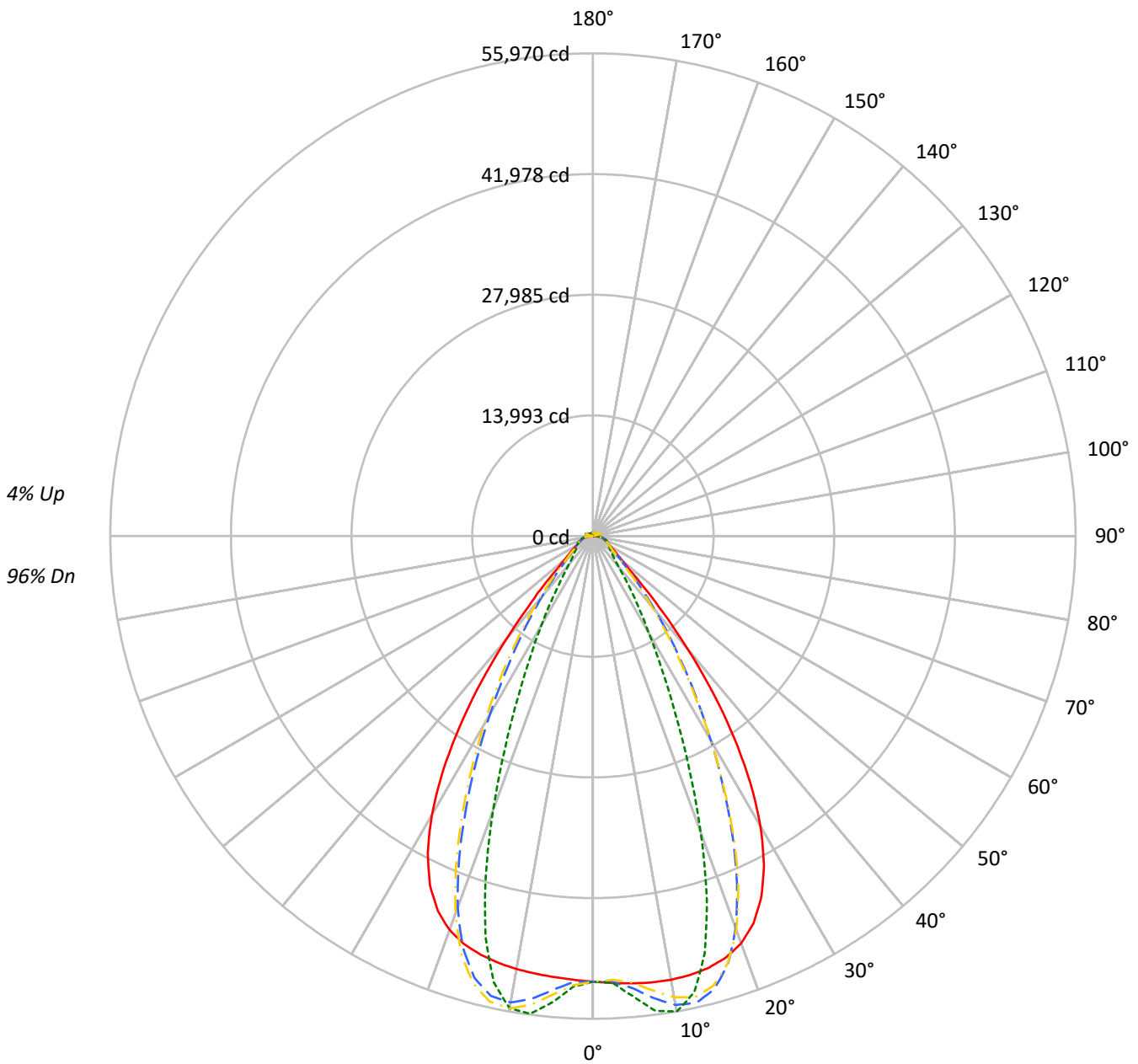
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 61677.1 lumens
Efficiency: N/A
Efficacy: 180.2 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): 342.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	96
1	111	108	105	102	108	105	102	100	100	98	96	96	94	93	92	91	89	89	89	89	87
2	104	98	94	89	102	96	92	88	92	89	86	89	86	83	85	83	81	81	81	81	79
3	98	90	85	80	96	89	83	79	85	81	77	82	79	76	80	77	74	74	74	74	72
4	92	83	77	72	90	82	76	71	79	74	70	77	72	69	74	71	68	68	68	68	66
5	87	77	71	66	85	76	70	65	74	68	64	72	67	63	70	66	62	62	62	62	61
6	82	72	65	60	80	71	65	60	69	63	59	67	62	59	65	61	58	58	58	58	56
7	78	67	60	56	76	66	60	55	65	59	55	63	58	54	62	57	54	54	54	54	52
8	73	63	56	52	72	62	56	51	61	55	51	59	54	51	58	53	50	50	50	50	49
9	70	59	53	48	68	58	52	48	57	51	48	56	51	47	55	50	47	47	47	47	45
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	52	47	44	44	44	44	42

AVERAGE LUMINANCE (cd/sqm):

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

MAXIMUM LUMINANCE 45°-90°:

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5091.7	8.3
10°-20°	14323.5	23.2
20°-30°	16313.4	26.4
30°-40°	11725.3	19.0
40°-50°	5407.7	8.8
50°-60°	2587.8	4.2
60°-70°	1888.2	3.1
70°-80°	1434.5	2.3
80°-90°	655.8	1.1
90°-100°	70.1	0.1
100°-110°	339.8	0.6
110°-120°	626.5	1.0
120°-130°	399.8	0.6
130°-140°	278.6	0.5
140°-150°	223.8	0.4
150°-160°	167.1	0.3
160°-170°	106.2	0.2
170°-180°	37.5	0.1
0°-30°	35728.6	57.9
0°-40°	47453.9	76.9
0°-60°	55449.4	89.9
0°-90°	59427.9	96.4
90°-120°	1036.3	1.7
90°-150°	1938.5	3.1
90°-180°	2249.0	3.6
0°-180°	61677.1	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°	157	203	35	46	157	100
95°	32	34	32	35	32	30
105°	129	161	90	161	129	168
115°	553	656	579	657	553	512
125°	440	437	494	439	440	400
135°	378	314	404	319	378	294
145°	363	333	383	341	363	229
155°	359	350	378	356	359	167
165°	374	368	386	372	374	106
175°	393	394	399	396	393	37
180°	398	398	398	398	398	



TEST NUMBER: P1444421
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL18

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°	156.8	165.2	167.7	177.6	179.8	188.7	190.3	200.3	202.7	213.0	216.2
92.5°	28.3	29.8	31.1	33.1	34.6	37.3	39.4	41.2	42.9	45.3	48.5
95°	31.5	33.2	34.9	36.6	38.3	40.2	41.9	43.6	45.3	47.0	51.9
97.5°	38.9	40.5	42.0	43.4	44.9	46.4	47.9	49.3	50.9	52.2	58.1
100°	49.5	50.9	52.1	53.4	54.6	55.9	57.1	58.4	59.6	60.9	71.8
102.5°	78.6	83.0	87.6	92.0	96.5	100.8	105.4	109.7	114.2	118.7	142.0
105°	128.6	140.7	153.1	165.0	177.2	189.4	201.6	213.3	225.5	237.5	275.9
107.5°	214.4	236.7	259.2	281.8	304.3	326.6	349.1	371.5	393.8	415.9	454.9
110°	388.3	406.0	424.2	442.1	460.1	478.2	496.1	513.7	531.8	549.7	578.0



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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°	521.5	529.3	537.4	545.5	553.5	561.3	569.4	577.2	585.3	593.0	613.2
115°	553.0	555.7	558.4	560.9	563.7	566.0	568.7	571.1	573.7	575.9	589.5
117.5°	542.3	541.5	540.7	540.0	538.8	538.0	537.0	535.9	534.8	533.7	541.0
120°	512.8	509.7	507.0	503.8	501.0	497.6	494.7	491.6	488.3	484.8	487.8
122.5°	474.5	471.0	467.8	463.9	460.4	456.5	452.9	448.7	445.2	441.2	441.7
125°	440.0	436.3	433.2	429.2	425.4	421.4	417.5	413.5	409.5	405.2	405.1
127.5°	411.2	408.5	406.0	402.7	399.8	396.6	393.4	390.0	387.1	383.3	382.8
130°	395.1	392.7	390.2	387.2	384.4	381.3	378.2	374.7	371.8	368.3	367.6
132.5°	383.3	381.6	379.5	377.2	374.8	371.8	369.4	366.4	363.6	360.9	360.1
135°	377.8	375.8	374.0	371.8	369.5	366.7	363.9	361.1	358.5	355.6	355.0
137.5°	373.7	372.0	370.2	367.9	365.8	362.8	360.5	357.6	355.1	352.1	351.4
140°	370.3	368.7	366.8	364.6	362.5	360.2	357.6	355.0	352.3	349.5	349.1
142.5°	365.3	363.5	362.2	360.2	358.4	356.0	353.9	351.2	349.1	346.5	346.4
145°	363.2	361.9	360.6	359.0	357.0	354.8	352.8	350.4	348.5	346.3	346.1
147.5°	361.6	360.5	359.5	357.9	356.5	354.5	352.6	350.4	348.7	346.8	346.9
150°	360.3	359.3	358.4	357.0	355.4	353.7	351.9	350.1	348.3	346.4	346.5
152.5°	358.1	357.0	356.1	354.8	353.4	351.3	350.2	348.3	346.7	344.9	344.9
155°	358.8	357.7	356.5	355.3	353.9	352.3	350.8	349.2	347.8	346.1	346.0
157.5°	361.2	359.9	359.1	357.7	356.8	355.3	354.0	352.5	351.3	350.0	349.7
160°	365.3	364.1	363.1	361.8	360.5	359.1	358.0	356.5	355.7	354.2	354.0
162.5°	369.6	368.4	367.3	366.1	365.0	363.4	362.3	361.3	360.2	358.8	358.7
165°	374.5	373.8	372.8	371.9	370.9	370.0	369.0	367.9	366.9	365.8	365.6
167.5°	381.6	380.6	379.9	378.9	377.8	376.9	375.8	374.7	374.0	372.8	372.6
170°	386.3	385.4	384.8	384.2	383.5	382.7	382.2	381.4	380.6	379.9	379.8
172.5°	390.6	389.9	389.5	389.1	388.3	388.0	387.4	386.7	386.3	385.6	385.9
175°	392.8	392.3	392.1	391.7	391.3	390.9	390.7	390.4	390.4	389.8	389.7
177.5°	395.9	395.7	395.7	395.5	395.5	395.4	395.2	394.8	394.6	394.6	394.6
180°	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4



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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°	226.7	231.0	241.1	241.2	247.9	246.7	192.9	186.6	182.0	184.7	178.3
92.5°	52.3	55.3	58.8	62.1	65.5	68.9	66.1	67.6	65.0	61.3	58.8
95°	56.9	62.0	67.0	72.1	77.2	82.2	87.3	92.3	87.6	82.7	78.0
97.5°	64.1	70.1	75.9	81.8	87.8	93.8	99.8	105.7	100.7	95.2	90.2
100°	83.0	94.1	105.1	116.2	127.2	138.3	149.5	160.6	150.8	140.7	131.0
102.5°	165.4	189.1	212.6	236.0	259.6	283.3	307.0	330.8	308.2	285.4	262.8
105°	314.1	352.2	390.4	428.3	466.5	504.6	543.4	581.6	545.6	509.4	473.4
107.5°	493.5	532.2	570.6	609.1	647.9	686.5	726.0	764.7	729.5	694.0	658.9
110°	606.1	634.0	662.1	690.1	718.0	746.1	775.4	803.5	782.2	760.8	739.4



TEST NUMBER: P1444421
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL18

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	632.7	652.8	672.8	692.4	712.1	732.0	753.5	773.8	762.8	751.4	740.7
115°	602.5	615.9	628.8	642.0	655.1	668.1	683.3	697.0	693.0	688.8	685.1
117.5°	548.0	555.1	562.1	569.1	575.8	582.9	592.7	600.1	599.7	599.7	599.6
120°	490.3	492.8	495.2	497.9	500.1	502.5	508.2	511.4	513.5	515.3	517.4
122.5°	442.1	442.6	443.0	443.3	443.6	443.9	447.9	449.2	450.1	451.1	452.2
125°	404.8	404.5	404.2	403.9	403.2	402.9	407.0	407.2	406.5	405.6	404.7
127.5°	381.7	381.0	380.1	379.3	378.0	377.2	380.8	380.8	378.6	376.4	374.0
130°	366.9	366.2	365.3	364.5	363.7	363.0	367.1	367.6	364.3	360.8	357.7
132.5°	359.3	358.7	357.7	357.4	356.6	355.8	360.3	360.8	357.6	353.7	350.1
135°	354.1	353.7	352.9	352.2	351.5	351.3	356.3	357.0	353.8	350.0	346.6
137.5°	350.5	350.0	349.3	349.0	348.3	347.9	353.7	354.5	351.7	348.5	345.8
140°	348.6	348.0	347.6	347.4	346.9	346.9	353.0	354.2	352.0	349.3	346.8
142.5°	345.8	345.9	345.8	345.9	345.8	346.1	353.2	354.8	352.8	350.6	348.9
145°	345.9	346.3	346.2	346.5	346.7	347.2	355.3	357.4	356.1	354.4	352.8
147.5°	346.3	346.5	346.6	346.8	347.0	347.9	356.5	358.6	357.8	356.5	355.4
150°	346.3	346.6	346.6	347.0	347.6	348.3	358.2	360.9	360.1	359.2	358.2
152.5°	344.8	344.9	345.0	345.4	345.6	346.3	358.6	361.8	361.2	360.1	359.5
155°	345.8	345.8	345.6	345.9	345.9	346.7	360.3	363.6	363.0	362.4	361.7
157.5°	349.3	349.0	348.7	348.7	348.7	348.8	363.4	367.3	366.5	366.0	365.4
160°	353.5	353.3	352.8	352.6	352.3	352.3	367.6	371.2	370.8	370.0	369.4
162.5°	358.3	358.6	358.2	358.0	357.8	358.1	373.2	377.3	376.5	375.8	375.0
165°	365.3	364.8	364.5	364.5	364.1	364.0	378.5	381.9	381.5	380.8	380.2
167.5°	372.2	372.2	371.8	371.8	371.6	371.8	385.1	388.5	388.1	387.4	387.0
170°	379.5	379.6	379.2	379.3	379.4	379.7	390.8	393.6	393.3	392.4	391.9
172.5°	385.7	386.0	386.0	386.2	386.2	386.5	395.9	398.6	398.3	397.7	397.1
175°	389.9	389.9	390.1	390.4	390.6	390.7	398.2	400.0	399.8	399.5	399.1
177.5°	394.9	394.9	395.1	395.4	395.6	395.8	400.4	401.5	401.3	401.3	401.2
180°	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4



TEST NUMBER: P1444421
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL18

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°	178.7	172.4	176.3	174.3	181.0	179.1	185.3	182.1	189.7	190.4	200.0
92.5°	54.9	52.3	48.5	45.7	42.1	39.6	37.3	36.3	34.4	33.6	31.4
95°	73.3	68.6	63.9	59.1	54.5	49.7	48.0	46.3	44.6	42.9	41.1
97.5°	85.2	80.0	75.0	69.7	64.7	59.6	58.5	57.3	56.2	55.1	53.9
100°	121.1	111.3	101.5	91.6	81.8	72.0	71.1	70.2	69.3	68.4	67.4
102.5°	240.4	217.7	195.3	172.7	150.3	127.7	123.8	120.0	116.0	112.1	108.3
105°	437.2	401.1	365.1	329.0	293.1	257.2	246.5	235.4	224.7	214.0	203.4
107.5°	623.6	588.1	553.1	518.0	482.9	447.8	430.7	413.8	396.5	379.6	362.7
110°	717.7	696.4	675.4	653.8	632.7	611.7	595.2	579.1	562.6	546.4	530.3



TEST NUMBER: P1444421
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL18

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	729.6	718.7	707.5	696.9	686.1	675.2	667.3	659.2	651.3	643.2	635.1
115°	681.0	677.1	673.2	669.6	665.9	662.0	661.1	660.5	659.5	658.9	658.2
117.5°	599.4	599.5	599.2	599.4	599.5	599.6	603.5	607.1	611.1	615.2	619.5
120°	519.3	521.2	523.2	525.4	527.5	529.8	534.7	539.9	545.1	550.7	556.2
122.5°	453.1	454.0	455.0	456.3	457.4	458.6	463.3	468.4	473.3	478.6	484.1
125°	403.4	402.5	401.6	400.4	399.5	398.9	402.5	406.3	410.3	414.7	418.5
127.5°	371.6	369.0	366.5	364.3	361.7	359.7	361.3	363.1	365.0	367.2	369.2
130°	354.2	350.9	347.2	344.1	340.3	337.2	337.2	337.4	337.4	337.8	338.1
132.5°	346.3	342.6	338.7	334.9	331.0	327.3	326.1	325.0	323.8	323.1	322.4
135°	342.9	339.5	335.6	332.0	328.0	324.7	322.9	321.1	319.4	317.9	316.4
137.5°	342.7	339.6	336.5	333.5	330.1	327.1	324.7	323.0	320.8	319.4	317.6
140°	344.1	341.6	338.7	336.2	333.4	331.0	328.8	327.3	325.3	324.0	322.4
142.5°	346.5	344.4	342.2	340.2	338.0	335.9	334.0	332.4	330.6	329.3	327.6
145°	351.1	349.7	347.9	346.3	344.6	343.1	341.2	340.0	338.6	337.3	336.2
147.5°	354.2	352.8	351.6	350.2	348.8	347.6	346.2	345.5	344.0	343.2	342.1
150°	356.9	355.8	354.5	353.7	352.1	351.1	350.1	349.2	348.2	347.7	346.8
152.5°	358.2	357.3	356.2	355.3	354.1	353.0	352.1	351.4	350.6	349.9	349.0
155°	360.7	360.0	359.0	358.2	357.1	356.5	355.6	354.6	353.9	353.0	352.1
157.5°	364.6	363.8	362.8	362.3	361.1	360.4	359.6	358.8	357.9	357.3	356.4
160°	368.7	368.1	367.2	366.4	365.7	364.9	363.7	363.1	362.0	361.4	360.2
162.5°	374.2	373.2	372.5	371.7	370.6	370.0	369.0	368.2	367.5	366.7	365.8
165°	379.4	378.7	377.9	377.2	376.6	375.8	374.7	374.0	372.9	372.2	371.2
167.5°	386.1	385.6	384.8	384.2	383.3	382.5	381.8	381.0	380.1	379.3	378.1
170°	391.5	390.5	390.0	389.2	388.5	387.6	387.0	386.0	385.1	384.7	383.5
172.5°	396.6	396.2	395.5	395.0	394.2	393.7	393.2	392.6	391.9	391.2	390.6
175°	398.9	398.7	398.5	397.8	397.6	397.3	396.9	396.7	396.3	396.1	395.6
177.5°	401.2	401.0	401.0	400.6	400.4	400.4	400.1	400.0	399.6	399.3	399.2
180°	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4



TEST NUMBER: P1444421
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL18

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°	198.8	205.5	200.5	202.6	196.8	198.1	187.9	185.1	170.2	165.1	152.1
92.5°	30.3	28.3	26.9	25.2	27.6	28.5	30.6	31.4	33.4	34.4	36.3
95°	39.4	37.6	35.9	34.2	35.6	36.9	38.3	39.8	41.1	42.5	43.9
97.5°	52.8	51.7	50.4	49.3	50.1	51.0	51.8	52.6	53.3	54.1	55.1
100°	66.5	65.6	64.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
102.5°	104.3	100.4	96.6	92.6	95.2	97.9	100.5	103.1	105.8	108.5	111.3
105°	192.7	182.0	171.3	160.6	170.9	181.3	191.6	202.0	212.3	223.1	233.4
107.5°	345.6	328.7	311.8	294.9	314.0	332.9	351.6	370.5	389.4	408.2	427.4
110°	514.2	498.1	482.0	466.0	485.9	505.9	525.9	545.9	566.0	586.0	606.4



TEST NUMBER: P1444421
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL18

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	627.2	619.4	611.6	603.8	616.7	629.5	642.4	655.6	668.6	681.6	694.5
115°	657.6	657.1	656.7	656.2	662.2	668.4	674.4	680.7	687.0	693.1	699.4
117.5°	623.5	627.6	632.0	636.4	638.3	640.3	642.4	644.3	646.8	648.8	651.1
120°	561.8	567.2	573.0	578.9	578.1	577.2	576.5	575.7	575.6	575.0	575.0
122.5°	489.6	495.1	501.0	506.6	504.9	503.2	501.7	500.2	498.8	497.5	496.4
125°	423.3	427.6	432.5	437.2	435.5	433.8	432.3	431.0	429.7	428.4	427.6
127.5°	371.9	374.7	377.2	380.1	379.3	378.5	378.3	377.7	377.5	377.5	377.6
130°	338.9	339.7	341.0	342.1	342.3	342.5	343.3	343.9	344.9	345.6	347.1
132.5°	322.3	321.8	321.8	321.8	322.7	323.6	325.0	326.3	328.3	329.7	332.2
135°	315.6	314.7	314.0	313.6	315.0	316.1	317.8	319.7	322.0	324.3	326.9
137.5°	316.4	315.1	314.4	313.3	314.7	316.0	317.8	319.7	321.7	324.1	326.8
140°	321.3	320.0	319.4	318.4	319.9	321.0	322.8	324.6	326.6	329.0	331.6
142.5°	326.7	325.3	324.7	324.1	325.0	326.2	328.1	329.5	331.6	333.4	335.8
145°	335.1	334.1	333.6	332.9	333.6	334.5	335.6	336.9	338.5	339.8	341.8
147.5°	341.2	340.5	340.1	339.5	340.2	340.7	341.6	342.4	343.6	344.7	346.1
150°	346.5	345.6	345.2	344.9	345.2	345.4	346.1	346.3	347.2	347.8	349.0
152.5°	348.7	347.9	347.8	347.3	347.4	347.6	348.1	348.4	349.0	349.4	350.5
155°	351.7	351.1	350.6	350.0	349.8	349.7	349.9	349.7	350.2	350.2	350.6
157.5°	356.0	355.2	354.9	354.1	353.8	353.3	353.3	352.9	353.2	352.6	352.7
160°	359.7	358.7	358.0	357.3	357.2	356.6	356.7	356.2	356.2	356.0	356.1
162.5°	365.2	364.5	363.8	363.0	362.6	361.9	361.5	360.7	360.4	360.0	359.8
165°	370.3	369.3	368.7	367.6	367.3	366.9	366.5	366.0	365.7	365.3	365.3
167.5°	377.6	376.6	375.9	375.0	374.5	373.6	373.3	372.7	372.1	371.6	371.5
170°	383.0	382.2	381.7	381.0	380.7	380.1	379.9	379.3	379.1	378.9	378.9
172.5°	390.2	389.5	389.0	388.5	388.2	387.8	387.6	387.4	387.0	387.0	386.7
175°	395.4	395.0	394.8	394.4	394.1	394.0	393.6	393.5	393.4	393.1	392.9
177.5°	398.8	398.4	398.3	398.2	397.9	397.9	397.9	397.9	397.9	397.7	397.5
180°	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4



TEST NUMBER: P1444421
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL18

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°	149.6	137.9	135.9	126.6	126.5	118.6	120.2	114.7	117.3	111.7	114.9
92.5°	37.3	38.8	41.4	44.8	47.1	49.8	52.5	55.8	58.1	61.3	63.7
95°	45.2	46.6	50.2	54.0	57.6	61.3	65.2	68.9	72.5	76.3	79.9
97.5°	55.9	56.7	60.3	64.1	67.7	71.4	75.1	79.2	82.8	86.6	90.2
100°	63.8	64.0	74.5	84.9	95.4	105.9	116.3	126.8	137.7	148.1	158.6
102.5°	113.9	116.5	143.0	169.6	196.0	222.5	249.1	275.8	302.2	329.0	355.6
105°	243.8	254.2	294.5	335.1	375.3	415.9	456.5	497.2	537.7	578.3	618.8
107.5°	446.3	465.4	502.0	538.6	575.0	611.8	648.6	685.2	721.8	758.7	795.7
110°	626.4	646.6	671.1	695.9	720.6	745.2	769.9	794.7	819.6	844.4	869.5



TEST NUMBER: P1444421
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL18

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	707.4	720.7	735.1	749.8	764.3	778.9	793.5	808.2	823.0	838.0	852.7
115°	706.0	712.5	718.1	724.3	730.0	736.2	742.2	748.5	754.9	761.0	767.4
117.5°	653.3	656.1	657.2	658.6	659.9	661.7	663.1	664.9	666.8	668.7	670.2
120°	574.5	574.3	574.0	573.7	573.4	573.3	573.4	573.3	573.5	573.7	573.7
122.5°	495.2	494.5	494.2	494.1	494.1	494.4	494.5	495.1	495.3	495.6	495.9
125°	426.7	426.1	427.8	429.5	431.3	433.3	435.2	437.5	439.5	441.6	443.9
127.5°	377.6	378.1	381.2	384.4	387.7	391.1	394.5	398.2	401.4	405.2	408.4
130°	348.4	349.9	353.7	357.9	361.6	365.9	370.1	374.5	378.3	382.5	386.5
132.5°	334.1	336.7	340.2	344.3	348.2	352.3	356.4	360.5	364.7	368.9	372.6
135°	329.5	332.5	335.9	339.8	343.5	347.5	351.2	355.3	358.7	362.8	366.3
137.5°	329.2	332.3	335.5	338.7	341.7	345.4	348.5	351.9	355.0	358.4	361.4
140°	334.1	337.0	339.0	341.6	343.8	346.2	348.3	350.9	352.8	355.5	357.5
142.5°	338.0	340.8	342.1	344.1	345.7	348.0	349.6	351.5	353.0	354.8	356.2
145°	343.6	345.8	346.5	347.6	348.5	349.6	350.3	351.4	352.0	352.8	353.7
147.5°	347.6	349.2	349.5	350.2	350.9	351.2	351.9	352.4	352.7	353.3	353.8
150°	349.8	351.1	351.0	351.5	351.4	351.7	351.6	352.0	351.9	352.2	352.1
152.5°	351.1	352.0	351.5	351.8	351.5	351.5	351.2	351.4	351.1	351.0	351.1
155°	350.7	351.1	350.9	350.8	350.6	350.6	350.3	350.7	350.7	350.6	350.7
157.5°	352.6	352.5	352.4	352.3	352.0	352.1	351.9	352.0	352.1	352.6	352.9
160°	355.7	355.7	355.4	355.3	355.2	355.1	354.9	355.2	355.3	356.0	356.3
162.5°	359.2	359.0	358.7	358.6	358.5	358.6	358.6	359.1	359.2	359.7	360.1
165°	365.2	365.3	364.7	364.8	364.6	364.6	364.5	364.7	365.0	365.3	365.7
167.5°	371.2	371.1	371.1	371.3	371.3	371.5	371.7	372.4	372.6	373.4	373.6
170°	378.8	378.9	378.7	378.7	378.5	378.6	378.7	378.8	379.0	379.3	379.4
172.5°	386.7	386.7	386.5	386.2	386.0	386.0	385.7	385.9	385.7	385.6	385.4
175°	392.7	392.6	392.5	392.4	392.3	392.0	391.8	391.3	391.2	391.1	391.0
177.5°	397.3	396.9	396.7	396.7	396.5	396.4	396.4	396.2	396.2	396.2	395.8
180°	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4



TEST NUMBER: P1444421
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL18

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°	105.4	104.6	95.8	95.1	86.4	82.7	72.5	70.2	60.9	59.3	52.8
92.5°	60.5	57.5	54.8	51.3	48.6	45.5	42.4	39.4	36.2	34.8	34.1
95°	75.5	71.1	66.7	62.2	57.7	53.2	48.9	44.4	40.0	39.0	38.1
97.5°	85.2	79.8	74.6	69.5	64.2	58.9	53.9	48.5	43.3	42.7	42.2
100°	146.6	134.6	122.5	110.3	98.3	86.1	74.2	62.0	49.9	49.2	48.5
102.5°	326.0	296.7	267.4	238.0	209.0	179.4	150.0	120.6	91.2	87.0	82.7
105°	574.3	529.7	485.6	441.1	396.6	352.1	307.8	263.1	218.7	204.4	190.0
107.5°	753.9	712.1	670.7	629.0	587.1	545.6	503.8	461.9	420.0	394.9	369.9
110°	836.5	803.4	770.7	737.7	704.8	671.8	638.7	605.6	572.6	551.0	529.7



TEST NUMBER: P1444421
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL18

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	828.8	804.9	781.2	757.0	733.2	709.0	685.1	661.0	636.8	624.0	611.1
115°	753.4	739.3	725.3	711.1	696.9	682.8	668.7	654.0	639.7	633.1	626.7
117.5°	663.7	656.8	650.2	643.2	636.5	629.3	622.6	615.4	608.4	606.6	604.5
120°	572.8	571.3	569.6	568.1	566.7	565.1	563.3	561.7	559.9	560.8	561.8
122.5°	497.9	499.7	501.7	503.1	505.1	506.5	508.5	509.6	511.4	514.0	516.6
125°	447.1	450.2	453.4	456.5	459.5	462.6	465.9	468.5	471.7	474.2	477.3
127.5°	412.3	415.7	419.3	422.7	426.3	429.6	433.1	436.3	439.7	442.2	445.3
130°	390.1	393.0	396.5	399.5	402.9	406.0	409.1	412.3	415.4	417.9	420.5
132.5°	375.8	378.8	381.9	384.7	388.0	390.7	393.8	396.6	400.0	402.0	404.3
135°	369.1	371.4	374.0	376.3	379.2	381.4	384.0	386.6	389.5	391.3	393.3
137.5°	363.6	365.8	368.1	370.1	372.5	374.5	377.1	379.4	382.1	383.5	385.5
140°	359.6	361.8	363.9	366.1	368.4	370.6	373.3	375.7	378.4	379.9	381.8
142.5°	358.2	359.6	361.5	363.3	365.4	367.1	369.4	371.6	374.0	375.8	377.4
145°	355.6	357.3	359.3	361.0	363.0	365.2	367.7	370.0	372.5	373.9	375.4
147.5°	355.3	356.7	358.6	360.2	362.0	363.6	366.1	368.1	370.5	372.0	373.3
150°	353.9	355.3	356.9	358.4	360.4	362.3	364.5	366.7	369.4	370.8	372.2
152.5°	352.6	354.1	355.8	357.7	359.6	361.6	363.9	366.2	368.6	369.8	371.5
155°	352.4	353.8	355.6	357.5	359.6	361.3	363.5	365.6	367.9	369.4	370.7
157.5°	354.5	355.7	357.4	359.2	360.9	362.7	364.9	366.7	368.8	369.9	371.1
160°	357.7	359.0	360.5	362.2	363.8	365.6	367.3	369.0	370.8	371.9	373.1
162.5°	361.6	363.0	364.7	366.0	367.8	369.4	371.2	372.6	374.5	375.4	376.7
165°	366.9	368.1	369.5	370.5	372.0	372.9	374.6	375.8	377.5	378.1	379.4
167.5°	374.8	375.7	376.6	377.6	378.8	379.8	381.0	382.0	383.2	384.1	385.0
170°	380.2	381.0	381.7	382.7	383.5	384.5	385.4	386.1	387.5	388.2	389.0
172.5°	386.0	386.3	387.1	387.5	388.2	388.6	389.4	390.0	390.6	391.4	392.0
175°	391.5	391.6	391.9	392.0	392.3	392.6	393.1	393.6	393.9	394.3	394.8
177.5°	395.9	396.0	396.2	396.3	396.8	396.9	397.3	397.4	397.6	397.9	398.6
180°	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4



TEST NUMBER: P1444421
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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°	52.0	46.0	45.4	40.0	38.9	35.3	34.7	34.1	34.6	34.2	34.8
92.5°	33.1	32.1	31.0	30.0	29.0	27.8	26.8	27.8	29.0	30.0	31.0
95°	37.2	36.3	35.3	34.4	33.5	32.6	31.7	32.6	33.5	34.6	35.5
97.5°	41.6	41.0	40.5	39.9	39.3	38.7	38.1	38.8	39.4	40.0	40.6
100°	47.9	47.2	46.5	45.8	45.2	44.5	43.8	44.9	45.6	46.2	46.9
102.5°	78.6	74.4	70.1	65.9	61.5	57.3	53.1	57.3	61.5	66.1	70.3
105°	175.7	161.5	147.1	132.8	118.5	104.0	89.7	104.2	118.7	133.0	147.5
107.5°	344.6	319.8	294.4	269.3	243.9	218.8	193.4	219.0	244.2	269.5	294.7
110°	507.9	486.2	464.5	442.9	421.1	399.4	377.6	399.6	421.5	443.3	465.1



TEST NUMBER: P1444421
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL18

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	597.9	585.0	571.8	558.9	545.6	532.6	519.2	533.0	546.3	559.8	572.9
115°	620.0	613.3	606.8	600.0	593.0	586.3	579.2	586.9	594.0	601.2	608.3
117.5°	602.4	600.6	598.4	596.4	594.1	592.0	589.6	592.4	595.0	598.1	600.4
120°	562.3	563.5	564.2	564.8	565.6	566.1	566.6	567.0	567.0	567.0	566.8
122.5°	519.0	521.7	524.0	526.4	528.6	530.9	532.8	531.6	530.1	528.9	527.0
125°	479.8	482.8	485.1	487.9	490.1	492.8	494.4	493.7	492.2	490.7	488.8
127.5°	447.9	450.5	452.8	455.7	457.7	460.0	461.7	461.1	459.8	458.6	456.9
130°	422.7	425.4	427.2	429.5	431.3	433.1	434.5	434.3	433.5	433.0	431.7
132.5°	406.4	408.7	410.8	412.7	414.1	415.9	416.8	417.0	416.6	416.3	415.3
135°	395.3	397.1	399.0	401.0	402.2	403.4	404.1	404.8	404.7	404.6	403.9
137.5°	387.0	388.9	390.3	391.6	392.6	393.5	394.1	394.9	395.1	395.7	395.4
140°	383.2	385.1	386.6	388.0	389.2	390.3	390.7	391.7	391.9	392.2	391.8
142.5°	379.0	380.7	382.3	383.8	384.6	385.7	386.3	387.2	387.4	387.7	387.5
145°	377.1	378.4	379.9	381.2	382.0	382.7	383.0	384.1	384.5	384.8	385.0
147.5°	374.7	376.3	377.3	378.4	379.3	380.0	380.5	381.1	381.7	382.0	382.2
150°	373.7	375.1	376.5	377.7	378.6	379.5	379.8	380.6	380.9	381.3	381.2
152.5°	372.7	373.9	375.0	376.2	377.2	377.9	378.3	379.0	379.7	380.2	380.3
155°	371.9	373.2	374.3	375.5	376.3	377.3	378.0	378.8	379.4	379.7	380.1
157.5°	372.2	373.5	374.5	375.7	376.5	377.6	378.4	379.3	379.9	380.7	381.0
160°	374.0	375.4	376.2	377.4	378.3	379.3	380.0	381.0	381.7	382.3	383.1
162.5°	377.6	378.8	379.3	380.5	381.4	382.4	383.1	384.1	384.8	385.6	386.2
165°	380.4	381.5	382.4	383.5	384.5	385.6	386.2	387.2	387.7	388.3	388.8
167.5°	385.8	387.0	387.7	388.8	389.4	390.5	391.4	392.0	392.5	393.0	393.4
170°	389.7	390.6	391.5	392.2	393.0	393.9	394.4	394.9	395.3	395.8	396.3
172.5°	392.7	393.6	394.2	395.1	395.8	396.6	397.2	397.7	397.9	398.1	398.1
175°	395.2	395.9	396.4	397.0	397.4	398.2	398.7	398.7	399.0	399.0	399.2
177.5°	399.1	399.8	400.4	400.7	401.2	401.6	402.1	401.8	401.6	401.5	401.2
180°	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4



TEST NUMBER: P1444421
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL18

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°	34.9	35.3	35.3	35.9	37.1	38.6	40.6	42.2	44.7	46.1	48.2
92.5°	32.1	33.2	34.2	35.3	36.3	39.5	42.5	45.6	48.9	51.8	54.9
95°	36.5	37.4	38.3	39.7	40.6	45.0	49.5	54.0	58.5	63.0	67.5
97.5°	41.5	42.1	42.7	43.2	44.0	49.2	54.6	59.8	65.1	70.4	75.5
100°	47.7	48.4	49.0	49.9	50.7	62.9	75.1	87.2	99.4	111.4	123.6
102.5°	74.7	78.9	83.2	87.9	92.1	121.7	151.1	180.7	209.9	239.3	268.8
105°	161.9	176.3	191.0	205.4	219.8	264.5	309.2	353.9	398.2	442.6	487.3
107.5°	320.3	345.5	371.0	396.2	421.6	463.6	505.5	547.3	589.4	631.2	672.8
110°	487.3	508.8	531.0	552.9	574.7	607.7	641.2	674.2	707.4	740.6	773.6



TEST NUMBER: P1444421
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CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	586.5	599.6	613.0	625.9	639.2	663.5	688.0	712.3	736.7	760.4	784.7
115°	615.4	621.9	629.1	635.8	642.9	657.6	671.9	686.4	701.0	715.2	729.7
117.5°	602.8	605.2	607.7	609.6	612.1	619.2	626.6	633.8	641.0	648.3	655.3
120°	566.6	565.9	565.6	564.8	564.4	566.1	568.4	570.1	572.2	573.8	575.5
122.5°	525.3	523.1	521.2	518.9	516.9	515.2	514.1	512.4	511.5	509.7	508.4
125°	486.9	484.7	482.6	480.2	477.7	475.0	472.3	469.5	466.6	463.7	460.9
127.5°	455.5	453.2	451.4	449.0	446.8	443.6	440.4	437.1	434.2	430.7	427.5
130°	430.5	428.7	427.4	425.1	423.5	420.1	417.5	414.4	411.5	408.5	405.5
132.5°	414.5	413.1	411.8	409.9	408.4	405.5	403.2	400.1	397.3	394.5	391.9
135°	403.3	402.3	401.4	400.0	398.7	396.0	394.0	391.6	389.4	387.0	384.7
137.5°	395.2	394.3	393.6	392.7	391.7	389.5	387.7	385.5	383.6	381.4	379.6
140°	391.6	390.9	390.4	389.5	388.5	386.3	384.4	382.2	380.3	378.2	376.2
142.5°	387.1	386.4	386.0	385.1	384.3	382.4	381.1	379.4	377.6	376.0	374.3
145°	384.7	384.3	384.1	383.3	383.1	381.1	379.6	377.6	376.3	374.2	372.7
147.5°	382.3	382.0	381.9	381.5	381.5	379.8	378.7	377.1	376.0	374.4	373.3
150°	381.3	381.2	381.2	380.8	380.5	379.1	378.1	376.7	375.8	374.1	373.1
152.5°	380.5	380.6	380.7	380.6	380.7	379.6	378.5	377.2	376.1	374.6	373.6
155°	380.5	380.7	380.9	380.9	380.9	380.0	379.1	378.0	377.1	375.9	374.9
157.5°	381.4	381.8	382.2	382.4	382.6	381.8	381.0	380.2	379.4	378.4	377.6
160°	383.4	384.0	384.4	384.6	384.9	384.2	383.9	382.9	382.6	381.5	380.7
162.5°	386.7	387.4	387.8	388.0	388.3	387.6	387.3	386.6	385.9	384.8	384.1
165°	389.3	389.4	389.9	390.0	390.3	389.8	389.6	389.1	388.7	388.0	387.6
167.5°	393.8	393.9	394.4	394.4	394.7	394.4	394.6	394.1	393.7	393.4	393.0
170°	396.4	396.7	397.0	397.1	397.4	397.1	396.9	396.6	396.5	395.9	395.5
172.5°	398.5	398.4	398.5	398.7	398.7	398.5	398.4	398.2	398.2	397.8	397.6
175°	399.1	399.1	399.2	399.1	399.1	399.2	399.1	399.2	399.1	398.9	398.8
177.5°	401.1	401.0	400.7	400.5	400.4	400.3	400.4	400.2	400.5	400.4	400.3
180°	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4



TEST NUMBER: P1444421
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CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1
2.5°	52123.7	51801.9	51759.3	51781.9	51835.8	51855.6	51913.7	51929.6	51987.9	52002.3	52058.4
5°	53199.2	52773.7	52795.0	52897.2	53052.2	53144.4	53296.7	53376.3	53521.7	53587.8	53719.1
7.5°	54333.3	53999.3	54103.4	54275.9	54487.7	54634.3	54817.3	54936.3	55093.9	55191.7	55317.9
10°	54890.2	54798.7	54913.3	55049.1	55169.9	55264.5	55342.0	55404.1	55444.7	55482.8	55499.4
12.5°	54466.4	54608.1	54627.7	54614.4	54534.4	54473.3	54336.1	54242.8	54077.2	53976.3	53779.2
15°	52895.5	53207.1	53034.6	52773.4	52391.2	52072.6	51622.7	51287.6	50819.0	50501.2	50030.9
17.5°	50138.6	50531.9	50082.3	49478.0	48709.3	48051.6	47232.6	46582.5	45768.2	45176.0	44416.0
20°	46257.6	46625.1	45823.3	44821.5	43632.3	42631.5	41451.1	40509.4	39412.6	38596.8	37612.2
22.5°	41425.3	41687.0	40557.6	39207.0	37691.9	36441.5	35030.4	33901.4	32649.7	31717.0	30667.1
25°	36079.2	36149.9	34795.1	33239.1	31550.4	30145.2	28638.6	27451.7	26175.1	25229.7	24199.5
27.5°	30683.5	30579.9	29115.4	27465.7	25689.3	24228.7	22759.3	21647.1	20529.0	19677.5	18789.8
30°	25590.6	25339.7	23819.2	22123.4	20399.2	19090.1	17870.2	16976.9	16087.5	15412.0	14699.5
32.5°	20920.2	20566.3	19086.2	17497.6	16044.6	15034.4	14129.8	13453.9	12735.7	12165.1	11567.2
35°	16783.5	16406.5	15095.2	13748.4	12648.8	11904.1	11193.1	10638.7	10028.9	9547.5	9028.1
37.5°	13233.3	12924.3	11826.0	10766.2	9934.4	9357.3	8774.9	8321.6	7817.6	7605.8	7051.0
40°	10216.0	10000.1	9141.3	8360.1	7735.5	7464.4	6873.1	6449.7	6073.1	5762.5	5461.7
42.5°	7968.7	7892.3	7056.5	6447.2	6007.4	5665.8	5336.3	5068.8	4808.4	4594.3	4392.1
45°	5847.9	5787.4	5416.3	5064.6	4764.9	4526.2	4303.5	4119.4	3949.2	3808.1	3679.8
47.5°	4553.7	4534.3	4320.6	4102.6	3913.8	3760.4	3615.9	3493.7	3380.8	3286.5	3255.8
50°	3703.7	3701.2	3575.8	3441.2	3306.8	3218.2	3125.9	3053.6	2981.1	2924.6	2864.9
52.5°	3147.0	3133.3	3048.7	2965.6	2885.7	2827.5	2768.6	2722.4	2674.4	2639.5	2602.4
55°	2709.2	2723.6	2674.6	2624.9	2575.0	2538.7	2497.5	2467.0	2434.0	2412.0	2389.6
57.5°	2405.2	2424.1	2398.4	2370.3	2339.9	2316.1	2287.6	2266.5	2244.5	2230.5	2217.5
60°	2184.0	2204.7	2194.4	2180.1	2161.4	2147.3	2129.0	2117.4	2103.2	2095.3	2088.0
62.5°	1996.3	2022.2	2018.5	2011.8	1999.7	1992.0	1982.0	1976.8	1967.4	1964.0	1960.5
65°	1809.0	1838.2	1837.6	1834.4	1827.6	1825.4	1819.2	1818.1	1813.3	1815.2	1814.8
67.5°	1661.8	1687.1	1692.7	1696.6	1696.5	1698.0	1697.4	1700.0	1700.0	1703.6	1705.9
70°	1555.6	1573.1	1577.4	1581.6	1582.7	1586.1	1586.1	1588.3	1587.8	1590.8	1591.2
72.5°	1448.1	1471.3	1475.6	1479.0	1479.0	1482.2	1480.5	1479.9	1475.4	1474.4	1471.1
75°	1314.5	1344.2	1350.6	1354.9	1355.5	1358.3	1354.3	1351.9	1344.2	1341.1	1335.7
77.5°	1174.9	1205.8	1210.3	1211.8	1209.4	1210.0	1201.5	1195.8	1186.0	1181.9	1176.8
80°	993.2	1038.6	1042.2	1039.4	1032.2	1031.1	1022.8	1017.5	1005.9	1001.8	997.4
82.5°	755.7	809.0	816.5	819.7	814.0	815.3	807.5	804.4	793.7	791.8	784.7
85°	477.2	530.4	539.2	537.9	532.1	530.7	526.2	527.7	526.8	529.6	531.1
87.5°	219.3	270.7	283.2	279.2	278.6	275.0	266.7	269.8	274.8	278.0	278.2
90°	50.0	67.5	68.9	68.8	63.8	62.8	58.1	58.2	54.3	54.1	50.3
92.5°	58.0	61.0	64.2	61.4	58.6	55.9	53.2	50.2	47.6	44.8	42.1
95°	71.9	76.1	80.5	76.9	73.0	69.3	65.6	62.0	58.2	54.6	50.9
97.5°	80.7	85.7	90.8	87.2	83.4	79.6	75.9	72.2	68.5	64.7	60.9
100°	135.7	147.2	159.2	148.7	138.1	127.6	117.1	106.6	96.1	85.6	75.0
102.5°	298.2	327.0	356.2	329.5	302.9	276.3	249.8	223.3	196.9	170.0	143.6
105°	531.6	575.4	619.7	578.8	538.3	497.8	457.3	416.7	376.2	335.5	295.1
107.5°	714.6	755.1	796.4	759.6	722.8	686.2	649.2	612.6	575.7	538.9	502.4
110°	806.6	838.0	870.7	845.5	820.7	795.7	770.9	746.0	721.1	696.6	671.9



TEST NUMBER: P1444421
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL18

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	808.7	830.5	854.0	838.9	824.3	809.3	794.6	779.8	765.2	750.3	736.1
115°	743.6	755.3	769.0	762.3	756.2	749.8	743.5	737.5	731.2	725.0	719.2
117.5°	662.3	666.2	672.2	670.2	668.6	666.4	664.8	663.0	661.6	659.9	658.5
120°	577.2	575.5	576.2	575.7	575.8	575.4	575.4	575.2	575.3	575.2	575.5
122.5°	506.7	501.4	498.5	498.1	497.8	497.2	497.0	496.6	496.4	496.2	496.2
125°	458.0	450.7	446.6	444.4	442.3	440.1	438.0	435.8	434.1	432.1	430.2
127.5°	424.3	416.3	411.9	408.4	405.0	401.4	397.9	394.3	391.1	387.5	384.4
130°	402.6	394.6	390.4	386.1	382.3	378.0	374.1	369.9	365.7	361.7	357.7
132.5°	389.0	381.0	376.9	372.9	369.3	365.0	361.2	357.0	353.0	348.7	345.1
135°	382.3	374.4	370.9	367.1	363.7	359.9	356.3	352.3	348.8	344.9	341.4
137.5°	377.4	369.4	366.3	363.0	360.1	356.9	354.1	350.7	347.7	344.1	341.2
140°	374.0	365.8	362.4	360.4	358.6	356.3	354.2	351.9	349.9	347.8	345.6
142.5°	372.6	364.5	361.4	359.9	358.6	356.9	355.8	354.2	352.5	350.5	349.0
145°	371.1	362.0	359.0	358.0	357.8	357.0	356.3	355.6	354.9	353.9	353.3
147.5°	371.6	362.3	359.1	358.9	358.7	358.0	358.1	357.4	357.4	356.8	356.6
150°	371.5	361.0	357.3	357.4	357.3	357.4	357.4	357.3	357.6	357.5	357.5
152.5°	372.1	359.5	355.4	355.5	355.9	355.8	356.0	356.4	356.8	357.1	357.3
155°	373.4	359.7	355.2	354.8	354.9	355.0	355.0	355.3	355.5	355.7	356.2
157.5°	376.4	361.7	357.3	356.7	356.6	356.5	356.4	356.6	356.7	356.8	357.3
160°	379.9	365.2	360.6	360.0	359.9	359.6	359.3	359.3	359.4	359.5	359.8
162.5°	383.2	368.9	364.6	363.8	363.4	363.1	363.0	362.6	362.7	362.6	362.9
165°	386.6	373.9	369.8	369.3	369.2	368.8	368.7	368.6	368.6	368.6	368.9
167.5°	392.3	380.8	377.7	377.1	376.5	376.0	376.0	375.1	375.1	374.7	374.7
170°	395.0	385.9	383.2	382.9	383.0	382.8	382.5	382.4	382.3	382.2	382.3
172.5°	397.2	390.6	388.5	388.5	388.8	388.8	389.0	389.2	389.4	389.6	389.9
175°	398.7	394.7	393.8	393.6	393.7	393.8	393.9	394.1	394.2	394.3	394.7
177.5°	400.3	399.2	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.9	398.9
180°	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4



TEST NUMBER: P1444421
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL18

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°	51.1	48.1	49.4	46.0	48.6	44.9	48.9	45.5	50.4	46.0	53.4
92.5°	39.3	37.8	36.2	34.9	33.3	31.9	30.3	28.9	27.3	25.8	27.3
95°	47.2	45.8	44.5	42.9	41.5	40.2	38.7	37.3	36.0	34.6	36.3
97.5°	57.3	56.5	55.7	54.9	54.1	53.4	52.6	51.8	50.8	49.9	51.1
100°	64.5	64.5	64.5	64.5	64.1	64.1	64.1	64.1	64.1	64.1	65.0
102.5°	116.9	114.3	111.7	108.9	106.2	103.5	100.9	98.3	95.7	93.0	97.0
105°	254.6	244.3	233.7	223.4	212.8	202.5	192.1	181.8	171.4	161.1	171.8
107.5°	466.0	446.9	427.8	409.0	390.0	371.1	352.2	333.5	314.6	295.7	312.6
110°	647.2	627.0	606.8	586.8	566.7	546.4	526.4	506.4	486.4	466.5	482.5



TEST NUMBER: P1444421
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	721.5	708.0	695.0	681.9	668.9	656.0	643.0	630.1	617.3	604.4	612.2
115°	713.1	706.8	700.2	694.0	687.7	681.2	675.0	669.0	662.8	656.8	657.3
117.5°	657.0	654.5	652.1	649.8	647.5	645.3	643.1	641.2	639.0	637.3	632.9
120°	575.8	575.9	575.9	576.3	576.8	577.3	577.6	578.4	579.2	580.0	574.1
122.5°	496.2	497.0	497.9	499.1	500.3	501.7	503.0	504.7	506.4	508.1	502.3
125°	428.2	429.0	429.7	430.7	431.4	433.0	434.3	436.0	437.6	439.4	434.5
127.5°	381.2	380.8	380.3	380.3	380.2	380.5	380.9	381.5	382.3	383.3	380.2
130°	353.7	352.2	350.7	349.4	348.1	347.5	346.9	346.3	345.9	345.9	344.7
132.5°	340.9	338.6	336.4	334.4	332.5	331.0	329.2	328.3	327.2	326.5	326.2
135°	337.4	334.7	332.1	329.4	326.9	325.2	323.1	321.7	320.2	318.9	319.6
137.5°	338.0	335.4	332.6	330.1	327.6	325.9	323.8	322.2	320.9	319.7	320.5
140°	343.3	340.5	337.9	335.5	333.4	331.5	329.4	328.0	326.4	325.5	325.9
142.5°	347.3	345.3	342.7	340.6	338.4	336.8	335.2	333.9	332.3	331.6	332.2
145°	352.2	350.6	348.7	347.1	345.6	344.4	342.8	342.0	341.0	340.7	341.0
147.5°	356.0	354.9	353.2	352.1	350.6	350.0	348.9	348.4	347.7	347.4	347.6
150°	357.4	356.7	355.8	355.1	354.3	353.8	353.2	352.8	352.4	352.3	352.4
152.5°	357.6	357.1	356.3	355.8	355.2	354.9	354.5	354.4	354.2	354.1	354.1
155°	356.4	356.2	355.9	355.8	355.6	355.9	355.7	356.1	356.0	356.3	356.5
157.5°	357.4	357.6	357.5	358.0	358.1	358.3	358.4	359.0	359.1	359.8	360.2
160°	360.3	360.5	360.5	360.7	360.9	361.1	361.5	361.7	362.1	362.5	362.9
162.5°	363.0	363.6	363.8	364.2	364.8	365.2	365.8	366.5	366.9	367.7	368.2
165°	369.1	369.2	369.3	369.3	369.7	370.0	370.3	370.9	371.1	371.8	372.5
167.5°	374.5	374.8	374.7	375.0	375.3	376.0	376.3	377.0	377.4	378.3	378.8
170°	382.0	382.0	382.0	382.0	382.0	382.4	382.6	382.7	382.9	383.5	383.8
172.5°	389.9	389.9	389.5	389.9	389.5	389.9	389.9	390.1	390.1	390.2	390.3
175°	394.5	394.9	395.0	395.4	395.3	395.4	395.5	395.7	395.8	396.1	396.1
177.5°	398.9	399.1	399.1	399.1	399.1	399.3	399.3	399.3	399.3	399.1	399.2
180°	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4



TEST NUMBER: P1444421
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CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1	51665.1
2.5°	52311.9	52285.7	52312.5	52285.3	52312.5	52279.9	52302.0	52266.7	52275.8	52239.2	52248.5
5°	54289.9	54248.2	54270.4	54216.2	54221.9	54149.5	54148.2	54063.9	54041.7	53945.8	53903.7
7.5°	55889.3	55875.7	55883.4	55848.6	55844.5	55795.1	55771.6	55701.8	55658.0	55569.8	55509.4
10°	55636.2	55676.9	55687.5	55729.0	55737.7	55778.8	55787.4	55828.6	55837.3	55867.6	55868.0
12.5°	53103.9	53242.3	53275.4	53446.4	53518.5	53714.1	53819.1	54034.7	54162.7	54377.7	54509.9
15°	48225.5	48465.0	48560.5	48894.4	49079.2	49469.1	49713.9	50161.6	50477.5	50953.0	51292.1
17.5°	41511.3	41846.0	41997.1	42449.9	42745.4	43320.7	43735.5	44418.1	44940.7	45699.2	46300.5
20°	34065.7	34437.8	34642.8	35159.4	35508.1	36180.3	36698.1	37537.0	38236.5	39197.6	40019.7
22.5°	26862.7	27216.8	27444.4	27970.0	28362.6	29063.7	29642.4	30527.8	31311.5	32394.7	33380.2
25°	20625.6	20949.9	21155.7	21631.1	21999.7	22644.1	23196.7	24048.2	24815.0	25901.5	26912.1
27.5°	15767.9	16039.7	16238.0	16643.4	16968.6	17515.0	17989.7	18693.3	19354.1	20294.1	21194.0
30°	12071.7	12312.5	12505.5	12858.6	13160.0	13633.7	14051.1	14642.2	15189.1	15937.1	16652.9
32.5°	9224.8	9432.1	9604.1	9913.1	10186.6	10613.2	10989.2	11507.3	11976.7	12611.1	13200.0
35°	7033.5	7441.6	7412.6	7838.9	7907.4	8213.6	8549.1	9002.1	9417.8	9957.2	10458.5
37.5°	5459.2	5573.9	5696.8	5885.2	6083.3	6361.8	6645.2	7198.8	7401.7	7809.4	8224.4
40°	4402.3	4479.8	4561.0	4688.3	4827.0	5023.2	5229.6	5493.7	5764.2	6094.8	6432.3
42.5°	3721.7	3765.6	3817.2	3892.1	3977.6	4102.0	4240.0	4419.1	4607.3	4840.0	5077.4
45°	3325.2	3304.3	3319.6	3359.9	3411.3	3487.0	3574.1	3685.0	3807.6	3958.2	4118.6
47.5°	2955.5	2963.8	2968.5	2990.3	3017.9	3068.6	3121.4	3196.7	3342.0	3386.3	3473.8
50°	2711.3	2715.3	2714.0	2725.1	2739.0	2772.0	2806.3	2857.2	2908.1	2975.5	3039.9
52.5°	2506.7	2512.4	2511.6	2518.9	2526.3	2547.2	2568.8	2604.8	2638.1	2681.0	2718.0
55°	2345.0	2352.9	2355.9	2362.1	2365.7	2376.6	2385.3	2402.4	2416.7	2441.0	2463.4
57.5°	2220.7	2231.5	2236.4	2238.6	2234.1	2233.6	2230.7	2234.3	2237.3	2250.3	2262.9
60°	2122.9	2131.5	2132.8	2131.5	2123.4	2117.7	2108.5	2105.7	2104.2	2110.4	2117.4
62.5°	2020.4	2023.5	2021.4	2018.9	2009.7	2004.2	1994.6	1991.2	1987.9	1992.3	1996.0
65°	1878.8	1881.5	1878.8	1877.2	1869.0	1864.6	1856.6	1853.8	1849.3	1850.4	1849.7
67.5°	1763.7	1766.4	1764.2	1762.1	1756.5	1753.7	1747.8	1744.0	1738.4	1736.3	1732.5
70°	1649.0	1651.1	1647.9	1645.8	1639.2	1636.7	1631.1	1630.0	1625.6	1624.7	1620.3
72.5°	1517.0	1517.2	1512.7	1511.3	1506.5	1506.3	1504.0	1506.1	1505.9	1508.3	1507.3
75°	1382.1	1380.2	1374.5	1373.5	1369.8	1371.5	1369.0	1372.3	1372.7	1377.7	1378.3
77.5°	1246.9	1239.9	1228.9	1223.7	1216.5	1215.5	1211.3	1214.1	1213.2	1219.0	1221.2
80°	1076.1	1067.5	1053.5	1046.8	1038.2	1036.8	1033.0	1036.8	1034.9	1041.6	1046.4
82.5°	859.2	851.7	837.2	831.8	821.8	822.7	818.6	822.7	822.2	832.1	837.9
85°	635.5	630.5	615.6	602.4	587.6	579.1	570.6	569.1	566.6	570.6	574.0
87.5°	367.1	362.4	350.8	343.2	317.2	318.4	308.2	307.7	305.2	302.9	308.2
90°	51.0	57.1	55.0	60.5	59.2	65.7	65.0	71.1	69.2	74.9	74.1
92.5°	28.9	30.3	31.8	33.3	34.8	36.2	37.7	39.3	42.5	45.3	48.9
95°	38.0	39.8	41.5	43.3	45.0	46.7	48.4	50.1	54.9	59.5	64.3
97.5°	52.5	53.4	54.5	55.7	56.8	57.9	59.1	60.2	65.5	70.5	75.6
100°	65.9	66.8	67.7	68.7	69.6	70.5	71.4	72.3	82.5	92.3	102.0
102.5°	100.8	104.7	108.7	112.5	116.6	120.6	124.4	128.3	150.9	173.3	195.7
105°	182.5	193.2	204.1	214.7	225.4	236.1	247.0	257.7	293.7	329.6	365.9
107.5°	329.5	346.4	363.3	380.4	397.3	414.4	431.3	448.4	483.4	518.7	553.8
110°	498.6	514.9	531.0	547.3	563.4	579.7	596.0	612.5	633.7	654.7	676.1



TEST NUMBER: P1444421
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL18

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	620.1	627.9	636.0	643.9	652.0	660.2	668.3	676.4	687.2	698.0	708.9
115°	657.8	658.3	659.1	659.8	660.6	661.3	662.4	663.3	667.3	671.0	674.7
117.5°	628.7	624.6	620.6	616.4	612.5	608.8	605.0	601.5	601.3	601.2	601.4
120°	568.9	563.2	557.7	552.0	547.0	541.6	536.8	531.8	529.8	527.7	525.9
122.5°	496.8	491.4	486.0	480.7	475.6	470.7	466.0	461.3	460.2	459.1	458.3
125°	429.9	425.6	421.3	417.1	413.4	409.6	405.9	402.4	403.3	404.0	405.4
127.5°	377.8	375.2	372.8	370.8	369.0	367.0	365.6	363.7	366.4	368.8	371.3
130°	343.8	343.2	342.8	342.1	342.3	342.2	342.2	342.2	345.9	349.0	352.7
132.5°	326.7	327.0	327.7	328.4	329.5	330.5	332.1	333.1	336.9	340.6	344.5
135°	320.3	321.2	322.6	323.9	325.7	327.2	329.2	330.9	334.8	338.1	342.2
137.5°	321.7	322.8	324.3	325.7	327.8	329.5	331.9	333.7	336.8	339.8	343.0
140°	327.1	327.9	329.5	330.9	332.4	334.1	336.2	337.7	340.6	343.1	345.6
142.5°	333.4	334.0	335.3	336.8	338.3	339.6	341.4	342.9	345.1	346.9	349.4
145°	342.0	342.6	343.9	344.8	346.1	347.3	348.7	350.0	351.6	353.0	354.7
147.5°	348.3	348.9	349.8	350.8	351.9	352.9	353.9	354.9	356.3	357.4	358.7
150°	353.0	353.6	354.3	354.6	355.7	356.5	357.6	358.2	359.3	360.1	361.4
152.5°	355.0	355.3	355.9	356.3	357.2	357.8	358.5	359.3	360.4	361.0	362.1
155°	357.1	357.9	358.6	359.2	360.1	360.5	361.5	362.0	363.0	363.7	364.8
157.5°	360.9	361.3	362.3	362.6	363.6	364.2	365.0	365.6	366.5	367.1	367.9
160°	363.8	364.8	365.4	366.4	367.3	367.9	368.8	369.6	370.4	371.0	371.7
162.5°	369.0	369.8	370.5	371.1	371.9	372.6	373.2	373.9	375.0	375.5	376.6
165°	373.3	374.1	375.1	375.7	376.8	377.7	378.4	379.3	379.8	380.6	381.1
167.5°	379.6	380.1	381.2	381.9	382.8	383.5	384.3	385.0	385.7	386.1	387.0
170°	384.5	385.1	385.8	386.6	387.3	387.8	388.7	389.2	390.0	390.5	391.4
172.5°	390.8	391.3	391.8	392.2	392.7	393.3	393.8	394.1	394.8	395.2	395.7
175°	396.1	396.1	396.3	396.5	396.7	396.7	396.9	397.3	397.5	397.6	397.8
177.5°	399.3	399.5	399.6	399.7	399.8	400.0	400.1	400.2	400.2	400.2	400.2
180°	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4



TEST NUMBER: P1444421
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL18

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°	81.8	81.8	90.0	90.5	100.6	102.3	109.6	107.4	114.2	112.3	119.2
92.5°	51.8	55.3	58.5	61.8	65.0	68.3	65.2	62.3	59.2	56.4	53.3
95°	69.0	73.7	78.4	83.1	87.8	92.5	87.5	82.6	77.6	72.5	67.4
97.5°	80.6	85.8	90.8	95.9	101.1	106.1	100.2	94.2	88.2	82.4	76.5
100°	111.8	121.8	131.6	141.3	151.2	161.0	150.1	138.9	128.0	116.8	105.7
102.5°	218.5	241.1	263.6	286.2	308.6	331.2	307.6	284.4	260.7	237.2	213.6
105°	401.9	438.0	474.0	510.0	546.1	582.5	544.4	506.1	468.0	430.0	391.6
107.5°	589.2	624.4	659.9	694.9	730.2	765.7	727.2	688.4	650.0	611.3	572.5
110°	697.6	718.9	740.3	761.9	783.2	804.8	776.7	748.8	720.7	692.5	664.4



TEST NUMBER: P1444421
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CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	719.8	731.1	741.9	753.1	764.1	775.2	755.2	735.7	715.6	695.8	675.8
115°	678.9	682.7	686.8	690.8	694.7	698.7	685.6	672.4	659.4	646.3	632.6
117.5°	601.5	601.8	601.6	602.3	602.1	602.4	595.3	588.4	581.2	574.1	566.9
120°	523.8	522.0	520.0	518.2	516.1	514.1	511.7	509.1	506.4	503.8	501.0
122.5°	457.2	456.6	455.5	454.6	453.3	452.2	451.7	451.5	450.8	450.4	449.6
125°	406.3	407.2	408.2	409.5	410.2	411.1	411.2	411.6	411.6	411.9	411.9
127.5°	373.5	376.2	378.4	380.7	382.8	385.2	385.7	386.7	387.4	388.1	388.7
130°	355.9	359.5	362.7	365.9	368.8	372.3	372.6	373.4	373.9	374.4	374.9
132.5°	348.1	351.8	355.4	359.2	362.5	366.0	366.4	367.2	367.3	368.1	368.4
135°	345.5	349.0	352.1	356.0	359.0	362.3	362.6	363.1	363.2	363.9	364.2
137.5°	345.7	348.9	351.7	354.7	357.1	360.0	360.2	360.7	360.7	361.4	361.6
140°	348.0	350.6	352.7	355.3	357.6	359.9	359.9	360.1	360.1	360.2	360.1
142.5°	351.3	353.4	355.1	357.2	358.8	360.8	360.2	360.0	359.8	359.5	359.2
145°	356.2	357.8	359.2	360.6	361.6	363.2	362.5	362.1	361.2	360.8	360.2
147.5°	359.7	361.0	361.7	363.0	363.5	364.8	363.9	363.3	362.7	361.9	361.1
150°	362.0	363.4	364.0	365.0	365.7	366.7	365.7	365.0	363.9	363.0	362.3
152.5°	362.9	363.9	364.7	365.3	366.0	366.7	365.6	365.1	363.9	362.9	362.0
155°	365.2	366.1	366.5	367.3	367.5	368.0	367.0	366.6	365.7	364.9	363.8
157.5°	368.4	369.2	369.8	370.1	370.5	371.1	370.5	370.1	369.3	368.8	368.0
160°	372.3	372.9	373.4	373.8	374.4	374.6	374.1	373.9	373.4	372.7	372.1
162.5°	377.1	378.1	378.5	379.0	379.7	380.2	379.6	379.1	378.5	377.9	377.2
165°	381.7	382.3	382.9	383.4	383.6	384.2	383.8	383.6	383.1	382.8	382.2
167.5°	387.4	388.1	388.5	389.1	389.3	389.6	389.2	389.3	388.7	388.3	387.8
170°	391.6	392.2	392.9	393.4	393.7	394.0	393.8	393.6	393.1	392.9	392.4
172.5°	396.2	396.8	396.9	397.4	397.5	397.9	397.6	397.2	396.9	396.5	396.0
175°	397.8	398.1	398.5	398.5	398.5	398.7	398.4	397.9	397.6	397.2	396.9
177.5°	400.2	400.2	400.2	400.0	400.0	400.0	399.8	399.5	399.3	399.1	398.6
180°	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4



TEST NUMBER: P1444421
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL18

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°	117.2	124.9	122.8	130.7	130.2	138.4	139.2	147.5	147.2	154.4	152.8
92.5°	50.3	47.3	44.5	41.4	39.9	37.9	37.2	35.0	33.9	32.0	30.6
95°	62.4	57.3	52.3	47.2	45.5	43.6	41.9	40.2	38.3	36.6	34.9
97.5°	70.5	64.5	58.5	52.6	51.1	49.5	47.9	46.4	44.9	43.4	42.0
100°	94.5	83.4	72.4	61.1	59.8	58.6	57.3	56.1	54.8	53.4	52.1
102.5°	190.1	166.4	142.8	119.1	114.6	110.1	105.6	101.0	96.5	92.0	87.6
105°	353.5	315.1	276.8	238.4	226.2	214.0	201.9	189.6	177.4	165.2	153.1
107.5°	533.8	494.8	456.1	417.1	394.8	372.3	349.7	327.0	304.7	282.0	259.4
110°	636.3	608.0	579.7	551.2	533.5	515.3	497.1	479.0	461.1	442.7	424.6



TEST NUMBER: P1444421
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL18

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	655.7	635.7	615.6	595.1	587.2	579.0	571.1	562.8	554.7	546.3	538.2
115°	619.3	606.1	592.6	578.9	576.3	573.6	571.0	568.0	565.4	562.4	559.4
117.5°	559.8	552.4	545.1	537.7	538.4	539.2	540.0	540.6	541.1	541.5	542.0
120°	498.2	495.4	492.8	489.8	492.9	495.6	498.5	501.1	503.8	506.1	508.5
122.5°	449.2	448.3	447.9	446.8	450.5	454.0	457.4	460.7	463.9	466.7	469.5
125°	412.2	412.1	412.2	412.0	415.8	419.4	422.9	426.0	429.4	432.2	435.1
127.5°	389.5	390.0	390.8	391.2	394.3	396.7	399.6	401.8	404.4	406.2	408.2
130°	375.5	375.9	376.6	377.0	379.7	382.2	385.0	387.1	389.4	391.0	392.8
132.5°	369.0	369.3	369.9	370.1	372.5	374.5	376.8	378.1	380.0	381.0	382.2
135°	364.8	364.9	365.4	365.5	367.7	369.8	371.6	373.1	374.9	375.9	377.0
137.5°	362.1	362.1	362.5	362.6	364.8	366.6	368.3	369.7	371.1	372.3	373.1
140°	360.4	360.2	360.6	360.4	362.3	363.9	365.7	366.9	368.3	369.0	369.9
142.5°	358.9	358.3	358.5	357.8	359.3	360.5	361.7	362.7	363.8	364.3	364.9
145°	359.6	358.7	358.4	357.6	358.7	359.6	360.7	361.7	362.2	362.6	363.1
147.5°	360.7	359.7	358.9	358.1	359.3	359.8	360.5	360.9	361.7	361.9	362.2
150°	361.3	360.1	359.1	358.1	358.7	359.1	359.6	360.2	360.5	360.6	360.9
152.5°	361.0	359.9	358.9	357.6	357.9	358.2	358.4	358.5	358.8	358.8	358.8
155°	363.0	361.9	360.9	359.7	360.1	360.1	360.2	360.2	360.0	359.8	359.8
157.5°	367.2	366.1	365.6	364.5	364.3	364.2	364.1	363.4	363.4	363.0	362.5
160°	371.6	370.7	370.0	369.1	368.9	368.6	368.6	367.9	367.6	367.0	366.6
162.5°	376.4	375.5	374.5	373.5	373.3	373.2	372.9	372.2	372.0	371.4	370.9
165°	381.8	381.1	380.5	379.6	379.4	379.0	378.8	378.0	377.7	376.9	376.3
167.5°	387.2	386.5	385.8	384.8	384.7	384.6	384.4	383.9	383.7	383.0	382.8
170°	392.0	391.3	390.9	390.2	389.9	389.7	389.3	388.9	388.3	388.0	387.4
172.5°	395.4	394.9	394.3	393.5	393.5	393.3	392.9	392.7	392.1	391.7	391.6
175°	396.3	396.0	395.2	394.9	394.7	394.5	394.4	394.2	393.8	393.6	393.2
177.5°	398.4	398.2	397.5	397.3	397.1	397.1	396.9	396.7	396.7	396.5	396.3
180°	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4



TEST NUMBER: P1444421
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL18

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°	159.4	156.8
92.5°	29.5	28.3
95°	33.2	31.5
97.5°	40.5	38.9
100°	50.9	49.5
102.5°	83.0	78.6
105°	140.9	128.6
107.5°	236.9	214.4
110°	406.4	388.3



TEST NUMBER: P1444421
CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL18

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	529.7	521.5
115°	556.1	553.0
117.5°	542.2	542.3
120°	510.5	512.8
122.5°	472.0	474.5
125°	437.5	440.0
127.5°	409.8	411.2
130°	393.7	395.1
132.5°	382.9	383.3
135°	377.3	377.8
137.5°	373.3	373.7
140°	370.0	370.3
142.5°	365.2	365.3
145°	363.3	363.2
147.5°	361.6	361.6
150°	360.5	360.3
152.5°	358.3	358.1
155°	359.2	358.8
157.5°	361.6	361.2
160°	365.8	365.3
162.5°	370.1	369.6
165°	375.3	374.5
167.5°	381.9	381.6
170°	386.7	386.3
172.5°	391.0	390.6
175°	393.0	392.8
177.5°	396.3	395.9
180°	398.4	398.4



TEST NUMBER: P1444421
 CATALOG NUMBER: EHBR1-60-UNV-TA-L840-UPL18

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	18.81	19.93	19.24	20.32	20.73	17.18	18.31	17.62	18.70	19.11
	3H	20.36	21.35	20.81	21.76	22.22	19.62	20.61	20.07	21.02	21.48
	4H	21.15	22.08	21.62	22.51	22.99	20.73	21.66	21.20	22.09	22.57
	6H	21.92	22.78	22.40	23.22	23.71	21.78	22.63	22.26	23.08	23.56
	8H	22.24	23.05	22.73	23.51	24.01	22.22	23.03	22.71	23.49	23.99
	12H	22.48	23.26	22.98	23.71	24.23	22.57	23.34	23.07	23.80	24.32
4H	2H	19.19	20.12	19.66	20.54	21.02	17.90	18.83	18.37	19.26	19.73
	3H	21.06	21.83	21.54	22.31	22.80	20.53	21.29	21.01	21.77	22.27
	4H	22.07	22.76	22.57	23.25	23.78	21.78	22.47	22.28	22.96	23.49
	6H	23.02	23.62	23.55	24.13	24.69	22.97	23.56	23.49	24.08	24.63
	8H	23.41	23.97	23.94	24.48	25.04	23.46	24.02	24.00	24.54	25.09
	12H	23.72	24.21	24.27	24.76	25.32	23.88	24.37	24.43	24.92	25.48
8H	4H	22.44	23.00	22.98	23.51	24.07	22.20	22.75	22.73	23.27	23.83
	6H	23.60	24.05	24.17	24.62	25.18	23.55	24.00	24.11	24.57	25.13
	8H	24.11	24.51	24.69	25.09	25.67	24.15	24.55	24.73	25.13	25.71
	12H	24.54	24.89	25.12	25.45	26.11	24.68	25.03	25.26	25.59	26.25
12H	4H	22.49	22.98	23.04	23.53	24.09	22.25	22.75	22.81	23.30	23.86
	6H	23.71	24.12	24.30	24.70	25.27	23.66	24.07	24.25	24.65	25.22
	8H	24.30	24.66	24.88	25.22	25.87	24.33	24.69	24.91	25.25	25.90

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



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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-1

Test Date: 07/30/2025

Luminaire Tested: EHBR-60-L840-N

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

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-1
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 08/05/2025
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: Metalux
 Catalog Number: **EHBR-60-L840-N**
 Description: Elevate Round Highbay at, 60000 lumens, 4000K 80CRI LEDs with N lens

Spectral Parameters

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

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



Test Conditions

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

REPORT NUMBER: SP1-2506-472-1

Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208	10/22/2024	10/22/2025
Sphere Thermometer	ONSET IN0085	10/22/2024	10/22/2025
Room Thermometer	ONSET IN0046	10/22/2024	10/22/2025

REPORT NUMBER: SP1-2506-472-1

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-1

Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	60	NR	620	277	NR	750	6	NR	880	0	NR
365	0	NR	495	87	NR	625	278	NR	755	5	NR	885	0	NR
370	0	NR	500	124	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	168	NR	635	623	NR	765	4	NR	895	0	NR
380	1	NR	510	209	NR	640	162	NR	770	3	NR	900	0	NR
385	1	NR	515	246	NR	645	158	NR	775	3	NR	905	0	NR
390	2	NR	520	273	NR	650	134	NR	780	2	NR	910	0	NR
395	4	NR	525	292	NR	655	109	NR	785	2	NR	915	0	NR
400	5	NR	530	305	NR	660	91	NR	790	2	NR	920	0	NR
405	7	NR	535	313	NR	665	75	NR	795	2	NR	925	0	NR
410	11	NR	540	319	NR	670	70	NR	800	1	NR	930	0	NR
415	21	NR	545	323	NR	675	56	NR	805	1	NR	935	0	NR
420	42	NR	550	326	NR	680	47	NR	810	1	NR	940	0	NR
425	76	NR	555	330	NR	685	41	NR	815	1	NR	945	0	NR
430	125	NR	560	333	NR	690	35	NR	820	1	NR	950	0	NR
435	193	NR	565	336	NR	695	30	NR	825	1	NR	955	0	NR
440	302	NR	570	336	NR	700	26	NR	830	1	NR	960	0	NR
445	432	NR	575	335	NR	705	22	NR	835	1	NR	965	0	NR
450	380	NR	580	332	NR	710	19	NR	840	0	NR	970	0	NR
455	213	NR	585	326	NR	715	16	NR	845	0	NR	975	0	NR
460	147	NR	590	319	NR	720	14	NR	850	0	NR	980	0	NR
465	104	NR	595	307	NR	725	12	NR	855	0	NR	985	0	NR
470	65	NR	600	299	NR	730	10	NR	860	0	NR	990	0	NR
475	50	NR	605	291	NR	735	9	NR	865	0	NR	995	0	NR
480	46	NR	610	317	NR	740	8	NR	870	0	NR	1000	0	NR
485	47	NR	615	336	NR	745	7	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-1

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.55

λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)
360	0	NR	490	60	NR	620	277	NR	750	6	NR	880	0	NR
365	0	NR	495	87	NR	625	278	NR	755	5	NR	885	0	NR
370	0	NR	500	124	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	168	NR	635	623	NR	765	4	NR	895	0	NR
380	1	NR	510	209	NR	640	162	NR	770	3	NR	900	0	NR
385	1	NR	515	246	NR	645	158	NR	775	3	NR	905	0	NR
390	2	NR	520	273	NR	650	134	NR	780	2	NR	910	0	NR
395	4	NR	525	292	NR	655	109	NR	785	2	NR	915	0	NR
400	5	NR	530	305	NR	660	91	NR	790	2	NR	920	0	NR
405	7	NR	535	313	NR	665	75	NR	795	2	NR	925	0	NR
410	11	NR	540	319	NR	670	70	NR	800	1	NR	930	0	NR
415	21	NR	545	323	NR	675	56	NR	805	1	NR	935	0	NR
420	42	NR	550	326	NR	680	47	NR	810	1	NR	940	0	NR
425	76	NR	555	330	NR	685	41	NR	815	1	NR	945	0	NR
430	125	NR	560	333	NR	690	35	NR	820	1	NR	950	0	NR
435	193	NR	565	336	NR	695	30	NR	825	1	NR	955	0	NR
440	302	NR	570	336	NR	700	26	NR	830	1	NR	960	0	NR
445	432	NR	575	335	NR	705	22	NR	835	1	NR	965	0	NR
450	380	NR	580	332	NR	710	19	NR	840	0	NR	970	0	NR
455	213	NR	585	326	NR	715	16	NR	845	0	NR	975	0	NR
460	147	NR	590	319	NR	720	14	NR	850	0	NR	980	0	NR
465	104	NR	595	307	NR	725	12	NR	855	0	NR	985	0	NR
470	65	NR	600	299	NR	730	10	NR	860	0	NR	990	0	NR
475	50	NR	605	291	NR	735	9	NR	865	0	NR	995	0	NR
480	46	NR	610	317	NR	740	8	NR	870	0	NR	1000	0	NR
485	47	NR	615	336	NR	745	7	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.99

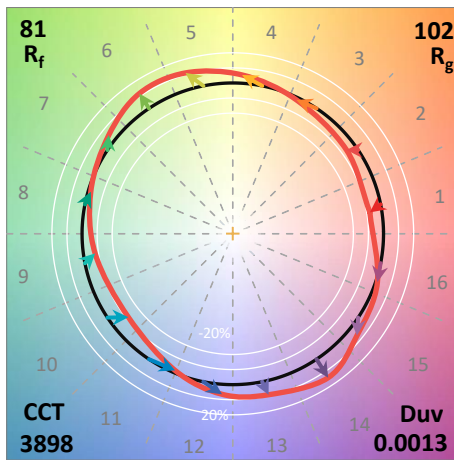
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	60	NR	620	277	NR	750	6	NR	880	0	NR
365	0	NR	495	87	NR	625	278	NR	755	5	NR	885	0	NR
370	0	NR	500	124	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	168	NR	635	623	NR	765	4	NR	895	0	NR
380	1	NR	510	209	NR	640	162	NR	770	3	NR	900	0	NR
385	1	NR	515	246	NR	645	158	NR	775	3	NR	905	0	NR
390	2	NR	520	273	NR	650	134	NR	780	2	NR	910	0	NR
395	4	NR	525	292	NR	655	109	NR	785	2	NR	915	0	NR
400	5	NR	530	305	NR	660	91	NR	790	2	NR	920	0	NR
405	7	NR	535	313	NR	665	75	NR	795	2	NR	925	0	NR
410	11	NR	540	319	NR	670	70	NR	800	1	NR	930	0	NR
415	21	NR	545	323	NR	675	56	NR	805	1	NR	935	0	NR
420	42	NR	550	326	NR	680	47	NR	810	1	NR	940	0	NR
425	76	NR	555	330	NR	685	41	NR	815	1	NR	945	0	NR
430	125	NR	560	333	NR	690	35	NR	820	1	NR	950	0	NR
435	193	NR	565	336	NR	695	30	NR	825	1	NR	955	0	NR
440	302	NR	570	336	NR	700	26	NR	830	1	NR	960	0	NR
445	432	NR	575	335	NR	705	22	NR	835	1	NR	965	0	NR
450	380	NR	580	332	NR	710	19	NR	840	0	NR	970	0	NR
455	213	NR	585	326	NR	715	16	NR	845	0	NR	975	0	NR
460	147	NR	590	319	NR	720	14	NR	850	0	NR	980	0	NR
465	104	NR	595	307	NR	725	12	NR	855	0	NR	985	0	NR
470	65	NR	600	299	NR	730	10	NR	860	0	NR	990	0	NR
475	50	NR	605	291	NR	735	9	NR	865	0	NR	995	0	NR
480	46	NR	610	317	NR	740	8	NR	870	0	NR	1000	0	NR
485	47	NR	615	336	NR	745	7	NR	875	0	NR			

Summary

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



Color Vector Graphics



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

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



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)