

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: P1444611

Luminaire Tested: EHBR1-42-UNV-TA-L850-UPL15

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444611
REPORT IS A COMBINATION OF REPORTS P1444314 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-42-UNV-TA-L850-UPL15
Description: Elevate Round Highbay at, 42000 lumens, 5000K 80CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

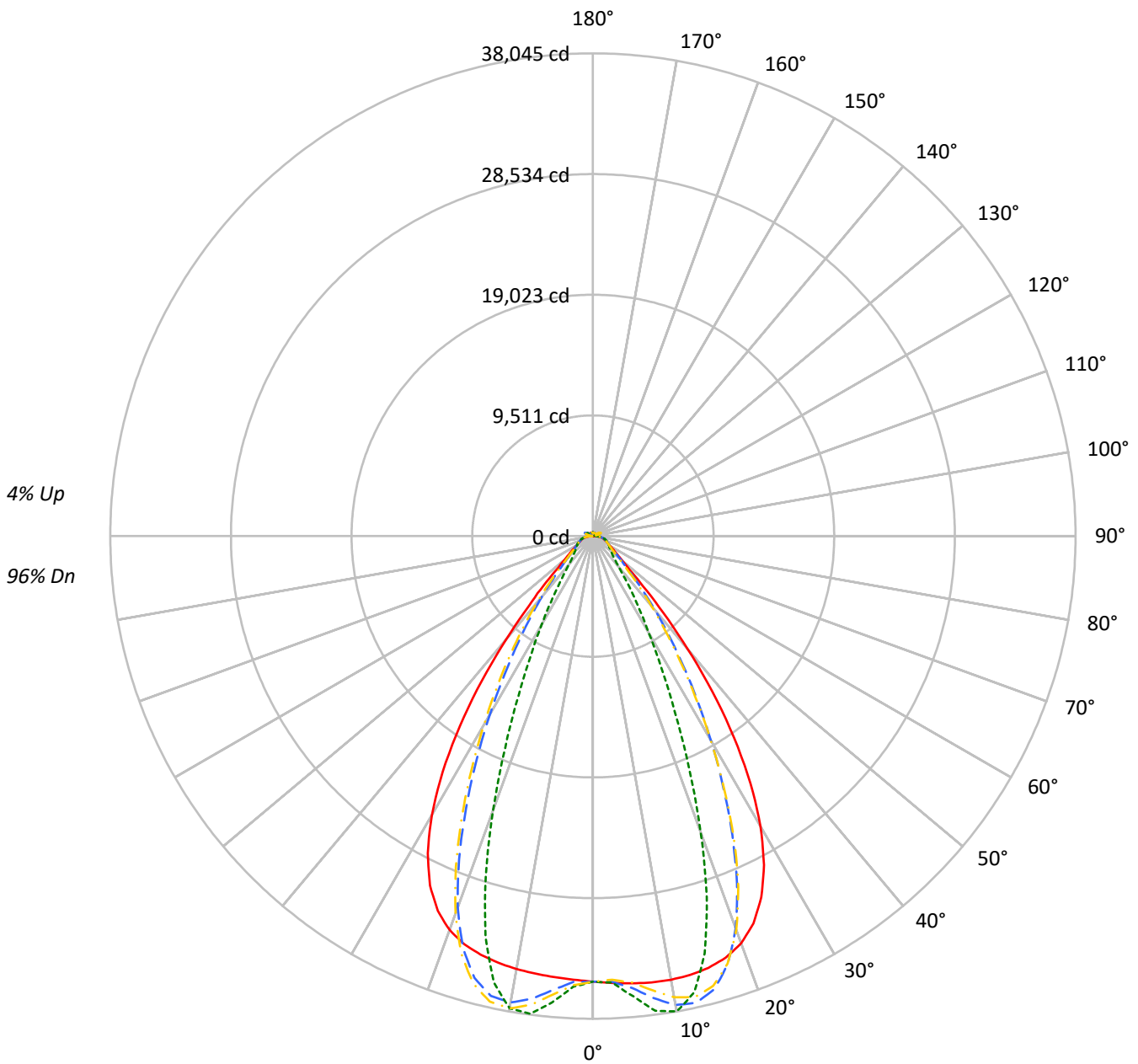
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42120.1 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): 233.7
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	103	103	103	98	98	98	98	98	98	96
1	111	108	104	102	108	105	102	100	100	98	96	96	94	92	92	90	89	89	89	89	87
2	104	98	93	89	101	96	92	88	92	89	85	89	86	83	85	83	81	81	81	81	79
3	98	90	84	80	95	89	83	79	85	81	77	82	78	75	79	76	74	74	74	74	72
4	92	83	77	72	90	82	76	71	79	74	70	77	72	69	74	70	67	67	67	67	66
5	87	77	71	66	85	76	70	65	74	68	64	71	67	63	69	65	62	62	62	62	60
6	82	72	65	60	80	71	64	60	69	63	59	67	62	58	65	61	58	58	58	58	56
7	77	67	60	56	76	66	60	55	64	59	55	63	58	54	61	57	53	53	53	53	52
8	73	63	56	52	72	62	56	51	60	55	51	59	54	50	58	53	50	50	50	50	48
9	70	59	52	48	68	58	52	48	57	51	47	56	51	47	55	50	47	47	47	47	45
10	66	55	49	45	65	55	49	45	54	48	44	53	48	44	52	47	44	44	44	44	42

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	164919	164919	164919	164919
5°	165717	170550	163399	172784
10°	167101	179064	163094	177880
15°	167921	162321	162809	155785
20°	166185	120923	160746	111882
25°	157301	76477	152102	69389
30°	137413	45957	132091	42000
35°	105754	28838	99672	25545
40°	66899	18089	61207	16998
45°	34481	14093	33909	13861
50°	20216	12535	19596	12339
55°	15487	11860	14914	11752
60°	13105	12115	12547	11958
65°	12308	12652	11837	12220
70°	12026	13248	11426	12748
75°	12858	14048	12163	13428
80°	13306	15557	12065	14202
85°	12528	15010	10125	12851

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 52769 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3461.0	8.2
10°-20°	9736.1	23.1
20°-30°	11088.7	26.3
30°-40°	7970.1	18.9
40°-50°	3675.8	8.7
50°-60°	1759.0	4.2
60°-70°	1283.5	3.0
70°-80°	975.1	2.3
80°-90°	446.1	1.1
90°-100°	52.8	0.1
100°-110°	265.2	0.6
110°-120°	489.1	1.2
120°-130°	309.3	0.7
130°-140°	212.0	0.5
140°-150°	167.7	0.4
150°-160°	123.6	0.3
160°-170°	77.9	0.2
170°-180°	27.3	0.1
0°-30°	24285.8	57.7
0°-40°	32255.9	76.6
0°-60°	37690.7	89.5
0°-90°	40395.3	95.9
90°-120°	807.1	1.9
90°-150°	1496.0	3.6
90°-180°	1725.0	4.1
0°-180°	42120.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	35118	35118	35118	35118	35118	
5°	35383	36415	34888	36892	35383	3381
15°	35229	34054	34156	32683	35229	9926
25°	31413	15272	30375	13857	31413	14240
35°	19410	5293	18293	4688	19410	11912
45°	5579	2280	5486	2243	5579	4745
55°	2093	1603	2016	1588	2093	1932
65°	1285	1321	1236	1276	1285	1283
75°	906	990	857	946	906	942
85°	431	516	348	442	431	405
90°	108	139	25	33	108	69
95°	24	26	24	26	24	23
105°	99	125	69	125	99	130
115°	431	513	451	514	431	399
125°	338	340	381	342	338	308
135°	286	240	306	244	286	222
145°	271	251	286	256	271	170
155°	265	259	279	264	265	123
165°	274	270	283	273	274	78
175°	286	288	291	289	286	27
180°	290	290	290	290	290	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4
2.5°	35252.6	35249.8	35249.2	35246.7	35246.0	35246.0	35244.8	35242.0	35240.2	35236.2	35231.6
5°	35383.3	35381.8	35382.8	35382.9	35380.5	35375.0	35366.4	35355.9	35342.7	35330.1	35318.9
7.5°	35484.5	35487.0	35490.1	35489.4	35481.8	35468.9	35451.3	35441.4	35447.3	35466.4	35510.2
10°	35503.0	35518.1	35523.9	35522.1	35506.7	35495.7	35500.0	35537.2	35611.2	35710.0	35845.1
12.5°	35431.0	35449.4	35448.9	35442.7	35427.8	35443.0	35496.9	35607.6	35766.4	35961.2	36189.8
15°	35228.9	35252.8	35246.0	35238.2	35228.2	35277.8	35385.4	35577.8	35823.0	36097.8	36379.1
17.5°	34836.5	34865.4	34851.3	34842.3	34834.0	34926.9	35111.8	35393.6	35702.4	36013.2	36279.8
20°	34155.8	34175.1	34141.7	34125.9	34139.3	34321.3	34593.7	34953.5	35279.0	35572.9	35755.1
22.5°	33044.9	33069.0	33006.1	32998.9	33076.4	33356.1	33700.8	34102.9	34408.8	34641.7	34712.0
25°	31412.8	31436.4	31361.8	31406.4	31538.4	31919.3	32329.8	32760.0	33021.0	33193.5	33145.9
27.5°	29209.8	29231.4	29160.6	29251.8	29460.4	29961.0	30444.1	30910.6	31143.2	31264.2	31111.0
30°	26431.4	26476.3	26392.6	26519.8	26838.3	27488.2	28041.7	28565.0	28796.9	28888.9	28650.4
32.5°	23131.6	23195.4	23103.2	23292.4	23736.8	24517.4	25146.2	25730.9	25987.4	26092.4	25823.1
35°	19409.7	19501.4	19395.5	19679.6	20227.6	21096.9	21793.2	22445.9	22749.7	22898.6	22627.2
37.5°	15466.6	15553.9	15496.6	15875.5	16477.3	17378.4	18089.1	18793.3	19136.4	19359.8	19145.9
40°	11595.3	11675.3	11718.6	12151.9	12717.9	13567.1	14249.8	14946.5	15330.3	15610.8	15478.8
42.5°	8184.0	8264.6	8411.9	8830.0	9302.0	10005.0	10589.7	11215.3	11581.9	11881.1	11830.3
45°	5578.9	5672.5	5857.0	6199.4	6540.7	7045.0	7474.5	7961.0	8260.4	8534.5	8537.8
47.5°	3909.4	3975.1	4140.0	4373.8	4596.4	5227.7	5253.6	5492.7	5694.1	5898.9	5925.5
50°	3012.9	3052.4	3140.0	3270.2	3396.3	3560.2	3710.3	3883.5	4007.4	4119.8	4146.6
52.5°	2476.4	2501.6	2546.1	2616.6	2689.8	2778.9	2859.2	2954.3	3021.8	3081.9	3094.5
55°	2092.9	2113.8	2180.1	2193.4	2277.1	2293.3	2329.0	2386.8	2426.0	2462.1	2471.1
57.5°	1803.7	1818.8	1832.8	1862.9	1888.6	1926.1	1956.3	1997.9	2022.6	2048.6	2050.8
60°	1575.4	1586.3	1596.3	1617.1	1634.7	1660.7	1681.6	1709.9	1727.5	1747.1	1749.2
62.5°	1405.5	1413.3	1420.0	1433.7	1446.3	1466.3	1482.8	1506.4	1522.9	1538.1	1541.4
65°	1284.7	1290.4	1294.7	1305.2	1316.2	1333.1	1348.1	1367.4	1379.5	1391.1	1393.6
67.5°	1177.8	1183.3	1187.7	1197.1	1204.7	1217.4	1227.5	1241.9	1251.0	1260.3	1260.6
70°	1055.2	1060.3	1063.6	1072.5	1078.5	1089.5	1097.6	1110.6	1120.0	1130.2	1132.9
72.5°	970.3	973.2	977.9	985.9	994.4	1006.0	1016.9	1030.4	1041.7	1052.4	1056.9
75°	905.8	909.3	912.2	919.1	925.0	934.9	943.0	955.4	965.2	976.7	982.3
77.5°	812.5	816.6	819.2	826.1	831.2	840.6	846.6	857.7	865.8	876.2	881.3
80°	700.0	703.7	705.6	712.1	716.1	724.8	730.7	741.3	748.1	758.5	764.6
82.5°	575.1	578.8	579.8	585.9	588.2	595.4	599.6	610.6	618.8	632.4	641.8
85°	430.6	432.0	434.1	432.5	441.2	441.7	451.7	453.4	466.5	469.8	484.7
87.5°	263.3	267.2	269.1	275.1	277.8	283.8	285.5	291.9	295.5	302.7	306.1
90°	108.0	113.7	115.6	122.4	124.1	130.2	131.4	138.2	140.1	147.1	149.5
92.5°	21.3	22.5	23.5	25.0	26.2	28.2	29.8	31.2	32.5	34.4	36.8
95°	23.9	25.2	26.6	27.9	29.3	30.6	32.0	33.3	34.7	36.0	39.9
97.5°	29.5	30.6	31.8	33.0	34.2	35.4	36.5	37.7	38.9	40.0	44.7
100°	37.7	38.7	39.7	40.7	41.6	42.7	43.7	44.7	45.7	46.7	55.3
102.5°	60.3	63.8	67.4	70.8	74.4	77.7	81.4	84.7	88.2	91.7	110.1
105°	99.3	108.7	118.5	127.9	137.4	147.0	156.6	165.8	175.4	184.9	215.0
107.5°	166.3	183.9	201.6	219.2	236.9	254.5	272.2	289.7	307.3	324.6	355.2
110°	302.3	316.4	330.6	344.7	358.8	373.2	387.3	401.2	415.4	429.4	451.7



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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°	406.5	412.7	419.0	425.3	431.7	437.9	444.3	450.5	456.9	462.9	478.7
115°	430.7	432.8	435.1	436.9	439.1	441.0	443.2	445.1	447.1	449.0	459.6
117.5°	421.5	420.8	420.3	419.8	419.0	418.4	417.7	416.9	416.1	415.3	421.1
120°	397.4	395.2	393.0	390.7	388.5	385.9	383.8	381.3	378.9	376.3	378.7
122.5°	366.5	363.8	361.4	358.4	355.8	352.8	350.2	346.9	344.3	341.3	341.8
125°	338.5	335.7	333.3	330.3	327.4	324.4	321.5	318.5	315.5	312.4	312.4
127.5°	314.8	312.9	311.0	308.6	306.4	304.0	301.7	299.1	296.9	294.2	293.9
130°	301.3	299.5	297.5	295.4	293.3	291.0	288.8	286.3	284.1	281.5	281.1
132.5°	291.0	289.7	288.2	286.4	284.7	282.6	280.9	278.6	276.8	274.8	274.4
135°	285.5	284.1	282.8	281.1	279.6	277.5	275.6	273.7	271.7	269.5	269.2
137.5°	281.4	280.1	278.8	277.2	275.6	273.6	271.8	269.8	268.0	265.9	265.5
140°	277.8	276.5	275.2	273.7	272.3	270.5	268.7	266.8	265.0	263.0	262.9
142.5°	272.9	271.7	270.8	269.3	268.1	266.5	264.9	263.1	261.6	259.8	259.8
145°	270.6	269.6	268.7	267.6	266.3	264.6	263.3	261.7	260.3	258.7	258.7
147.5°	268.7	267.8	267.1	266.0	265.0	263.6	262.4	260.9	259.6	258.2	258.4
150°	267.0	266.3	265.5	264.6	263.4	262.4	261.1	259.8	258.6	257.3	257.5
152.5°	264.7	263.8	263.3	262.3	261.3	260.0	259.1	257.8	256.7	255.5	255.5
155°	264.7	263.8	263.0	262.2	261.2	260.2	259.0	257.9	257.0	255.7	255.7
157.5°	265.8	264.9	264.2	263.3	262.7	261.8	260.9	259.8	258.9	258.0	257.8
160°	268.3	267.5	266.7	265.8	265.0	263.9	263.3	262.2	261.6	260.6	260.5
162.5°	270.8	269.9	269.2	268.4	267.6	266.7	265.9	265.2	264.4	263.4	263.3
165°	274.0	273.5	272.8	272.2	271.5	270.9	270.2	269.4	268.8	268.0	268.0
167.5°	278.8	278.1	277.6	276.8	276.1	275.5	274.8	274.1	273.6	272.7	272.7
170°	281.9	281.3	280.9	280.5	279.9	279.5	279.1	278.6	278.0	277.5	277.5
172.5°	284.8	284.3	284.0	283.8	283.2	283.0	282.6	282.2	281.9	281.4	281.7
175°	286.2	285.8	285.7	285.5	285.2	285.0	284.8	284.6	284.6	284.2	284.2
177.5°	288.4	288.3	288.3	288.2	288.2	288.0	287.9	287.6	287.5	287.5	287.6
180°	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2



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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°	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4
2.5°	35228.2	35223.9	35218.1	35210.7	35204.3	35196.9	35179.3	35174.1	35179.9	35183.8	35191.9
5°	35311.9	35314.4	35315.3	35331.3	35345.1	35379.6	35649.8	35757.2	35840.2	35892.9	35973.0
7.5°	35564.3	35645.5	35725.8	35833.8	35927.0	36052.9	36525.6	36726.8	36869.8	36972.7	37099.2
10°	35992.0	36169.3	36335.5	36530.2	36697.5	36889.3	37329.3	37525.3	37649.1	37739.1	37823.2
12.5°	36422.8	36668.7	36890.8	37107.5	37288.7	37454.9	37609.7	37678.2	37684.0	37687.0	37642.3
15°	36647.1	36882.2	37078.0	37221.3	37327.8	37374.8	37108.4	36968.6	36792.0	36646.6	36407.2
17.5°	36505.6	36646.6	36731.1	36722.8	36678.8	36531.4	35776.8	35361.7	34949.7	34578.4	34091.4
20°	35876.0	35865.1	35791.7	35583.3	35332.3	34941.8	33648.0	32901.6	32179.9	31546.1	30777.1
22.5°	34704.8	34520.4	34263.5	33814.2	33315.2	32633.0	30778.9	29681.0	28676.3	27788.9	26794.6
25°	33007.7	32628.5	32154.7	31441.5	30665.8	29670.8	27385.7	26020.1	24813.8	23767.6	22620.4
27.5°	30835.8	30264.7	29570.2	28583.0	27532.2	26257.6	23724.2	22217.0	20922.0	19800.4	18579.5
30°	28264.6	27521.8	26625.0	25399.8	24132.1	22686.6	20117.1	18590.5	17279.9	16126.0	14904.1
32.5°	25358.7	24488.8	23438.0	22062.8	20692.0	19205.6	16724.2	15246.5	13994.4	12884.4	11778.4
35°	22153.8	21220.9	20109.1	18706.5	17343.9	15898.9	13621.9	12289.6	11183.9	10202.7	9309.7
37.5°	18715.9	17800.0	16743.2	15421.3	14157.8	12848.3	10883.6	9767.2	8839.3	8024.9	7335.5
40°	15141.6	14340.0	13425.7	12282.8	11204.5	10113.9	8501.2	7615.0	6882.7	6261.6	5745.0
42.5°	11610.9	10989.7	10288.6	9385.5	8560.3	7729.9	6488.6	5832.0	5289.7	4842.6	4477.2
45°	8424.1	8008.6	7538.3	6910.4	6339.5	5760.3	4876.8	4415.4	4062.2	3773.9	3530.1
47.5°	5888.9	5647.8	5633.2	5052.9	4634.2	4280.1	3710.9	3419.5	3203.1	3028.4	2874.0
50°	4135.6	4019.0	3874.1	3667.0	3472.7	3272.6	2925.8	2749.6	2622.9	2517.0	2419.5
52.5°	3091.6	3031.1	2953.9	2844.1	2738.8	2626.2	2406.8	2294.6	2254.7	2156.2	2078.9
55°	2469.3	2434.7	2390.8	2326.2	2262.2	2236.5	2048.4	1965.1	1912.5	1873.6	1832.0
57.5°	2051.2	2025.3	1999.2	1955.5	1918.5	1873.6	1773.7	1731.1	1699.6	1676.7	1648.0
60°	1749.6	1734.1	1719.6	1693.9	1673.9	1649.7	1586.3	1562.2	1545.8	1532.1	1513.7
62.5°	1544.2	1536.3	1528.8	1515.1	1504.9	1491.8	1448.5	1436.9	1428.7	1421.7	1410.6
65°	1396.0	1390.3	1386.1	1377.1	1371.9	1364.3	1327.1	1319.2	1314.2	1311.6	1305.2
67.5°	1261.3	1255.4	1252.6	1246.1	1244.0	1239.1	1208.7	1204.5	1202.7	1203.5	1201.2
70°	1135.3	1132.9	1134.1	1133.2	1136.0	1136.9	1118.4	1118.2	1120.2	1124.1	1124.5
72.5°	1059.9	1059.9	1061.3	1061.9	1064.7	1066.0	1050.5	1049.9	1050.7	1053.6	1053.7
75°	988.0	989.2	993.1	994.4	997.6	998.3	978.0	975.6	975.8	978.4	977.6
77.5°	888.6	892.9	900.3	904.2	910.4	911.6	888.8	886.1	886.2	889.0	886.6
80°	775.7	784.0	795.7	804.0	813.6	817.5	794.1	788.5	783.3	782.5	777.8
82.5°	655.9	665.9	680.0	687.5	697.7	700.1	660.9	653.5	649.1	649.5	645.2
85°	500.7	508.2	521.1	525.3	531.7	531.1	486.4	467.3	472.3	464.4	470.6
87.5°	314.0	318.5	326.5	327.6	330.6	329.9	284.9	276.0	273.5	273.6	270.3
90°	156.9	159.8	167.0	167.2	171.9	171.2	134.9	130.8	127.5	129.2	124.7
92.5°	39.7	41.9	44.7	47.2	50.0	52.5	51.0	52.3	50.1	47.3	45.4
95°	43.9	47.8	51.9	55.8	59.8	63.7	67.8	71.7	68.0	64.1	60.4
97.5°	49.4	54.0	58.5	63.3	68.0	72.6	77.3	82.0	78.1	73.9	69.9
100°	64.0	72.8	81.4	90.3	98.8	107.6	116.3	125.0	117.4	109.5	101.9
102.5°	128.5	147.1	165.6	184.1	202.4	221.1	239.9	258.4	240.7	222.9	205.2
105°	245.0	274.9	305.0	334.8	364.7	394.7	425.1	455.1	426.8	398.6	370.2
107.5°	385.6	416.0	446.2	476.6	507.1	537.4	568.4	598.8	571.2	543.4	515.7
110°	473.8	495.7	517.8	539.9	561.9	583.9	606.8	629.0	612.3	595.5	578.7



TEST NUMBER: P1444611
 CATALOG NUMBER: EHBR1-42-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	494.3	510.0	525.7	541.2	556.9	572.5	589.4	605.2	596.5	587.8	579.4
115°	469.8	480.6	490.8	501.3	511.7	522.0	533.8	544.6	541.4	538.4	535.3
117.5°	426.7	432.3	438.0	443.6	449.1	454.6	462.2	468.0	467.9	468.1	468.1
120°	380.7	382.8	384.9	387.0	388.9	390.9	395.2	397.6	399.5	401.1	402.7
122.5°	342.3	342.8	343.2	343.6	344.0	344.3	347.3	348.3	349.1	350.1	351.2
125°	312.2	312.2	312.1	312.0	311.6	311.5	314.4	314.6	314.2	313.5	313.2
127.5°	293.3	292.8	292.3	291.8	291.0	290.6	293.0	293.1	291.5	290.0	288.2
130°	280.7	280.2	279.8	279.4	279.0	278.6	281.4	281.8	279.5	276.9	274.5
132.5°	274.0	273.6	273.0	272.9	272.4	271.9	275.1	275.5	273.1	270.3	267.7
135°	268.8	268.7	268.3	267.9	267.5	267.5	270.9	271.5	269.0	266.4	263.9
137.5°	265.0	264.9	264.5	264.3	263.9	263.8	267.9	268.6	266.5	264.1	262.2
140°	262.6	262.4	262.2	262.2	261.9	262.1	266.4	267.3	265.7	263.7	261.9
142.5°	259.6	259.7	259.8	260.1	260.1	260.4	265.4	266.6	265.3	263.7	262.5
145°	258.7	259.1	259.3	259.6	259.9	260.4	266.0	267.6	266.6	265.5	264.4
147.5°	258.2	258.5	258.6	259.0	259.3	260.0	266.0	267.6	267.0	266.1	265.3
150°	257.5	257.7	257.9	258.3	258.9	259.5	266.4	268.5	267.8	267.2	266.4
152.5°	255.6	255.8	256.0	256.5	256.8	257.4	265.9	268.2	267.7	267.0	266.5
155°	255.8	255.9	255.9	256.1	256.3	256.9	266.2	268.6	268.2	267.8	267.3
157.5°	257.8	257.7	257.6	257.6	257.7	257.8	267.9	270.5	270.0	269.6	269.2
160°	260.2	260.2	259.9	259.9	259.8	259.8	270.2	272.8	272.5	272.0	271.6
162.5°	263.3	263.4	263.3	263.3	263.3	263.4	273.9	276.7	276.1	275.6	275.1
165°	267.8	267.6	267.4	267.4	267.3	267.4	277.1	279.6	279.3	278.8	278.4
167.5°	272.4	272.5	272.3	272.4	272.2	272.5	281.5	283.9	283.6	283.1	282.8
170°	277.3	277.4	277.3	277.3	277.5	277.7	285.3	287.2	287.0	286.4	286.0
172.5°	281.6	281.8	282.0	282.0	282.1	282.4	288.8	290.7	290.4	290.1	289.6
175°	284.4	284.3	284.5	284.8	284.9	285.0	290.1	291.4	291.2	291.0	290.8
177.5°	287.8	287.8	288.0	288.1	288.3	288.5	291.6	292.4	292.3	292.3	292.2
180°	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2



TEST NUMBER: P1444611
CATALOG NUMBER: EHBR1-42-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4
2.5°	35193.8	35206.1	35207.9	35222.3	35221.2	35238.4	35235.6	35249.8	35241.5	35253.1	35243.4
5°	36020.3	36095.3	36134.5	36207.7	36230.8	36296.3	36314.7	36374.5	36376.9	36424.4	36413.6
7.5°	37189.0	37299.5	37365.1	37455.6	37501.3	37576.7	37609.9	37665.6	37683.5	37727.8	37731.2
10°	37886.9	37940.5	37977.9	38003.2	38026.3	38037.1	38049.6	38046.3	38049.6	38044.7	38055.5
12.5°	37612.3	37534.0	37482.2	37384.0	37327.2	37218.8	37165.6	37061.3	37023.5	36933.9	36921.0
15°	36222.2	35949.1	35756.2	35475.7	35299.3	35023.2	34861.8	34612.7	34499.0	34301.1	34249.1
17.5°	33688.4	33181.6	32789.3	32286.1	31936.9	31466.7	31170.9	30781.7	30568.5	30254.6	30145.9
20°	30136.1	29386.1	28797.8	28096.9	27595.2	26970.3	26570.2	26065.5	25772.6	25387.1	25230.8
22.5°	25965.6	25031.9	24297.1	23469.1	22863.8	22167.4	21688.0	21142.1	20823.3	20404.5	20219.0
25°	21667.1	20637.5	19820.5	18948.1	18308.6	17610.5	17131.0	16594.6	16264.9	15867.2	15682.9
27.5°	17556.0	16513.7	15724.1	14913.1	14326.4	13696.5	13263.9	12795.6	12502.8	12163.5	11990.1
30°	13927.9	13008.6	12336.8	11663.7	11175.7	10664.1	10304.6	9916.5	9659.7	9369.1	9203.9
32.5°	10972.1	10262.5	9736.3	9202.2	8802.9	8375.3	8064.7	7722.3	7490.5	7230.9	7081.3
35°	8689.8	8138.4	7718.7	7279.1	6936.0	6571.8	6298.1	6002.5	5794.6	5571.1	5441.9
37.5°	6865.8	6427.3	6082.1	5716.9	5435.0	5133.4	5031.7	4692.5	4477.0	4298.6	4175.2
40°	5388.3	5039.7	4753.9	4474.7	4244.8	4016.0	3832.4	3651.2	3512.0	3384.5	3296.2
42.5°	4207.9	3955.2	3746.6	3542.0	3374.3	3207.6	3074.6	2949.8	2856.1	2772.7	2715.8
45°	3345.1	3171.3	3026.3	2882.2	2763.9	2652.6	2563.1	2483.5	2422.9	2372.8	2337.3
47.5°	2748.0	2629.1	2526.8	2429.6	2349.2	2276.3	2216.4	2196.9	2131.7	2087.9	2071.2
50°	2335.5	2263.7	2186.0	2114.2	2060.6	2007.2	1968.3	1930.2	1905.8	1885.7	1879.5
52.5°	2027.5	1972.6	1929.4	1884.0	1848.5	1810.5	1783.7	1758.4	1744.9	1734.4	1733.1
55°	1798.6	1760.1	1731.6	1701.1	1679.9	1657.6	1643.7	1630.3	1624.4	1619.1	1619.5
57.5°	1625.4	1599.7	1581.1	1561.3	1549.8	1539.2	1535.7	1532.3	1534.1	1534.9	1537.9
60°	1499.1	1482.5	1470.8	1459.4	1454.6	1451.2	1453.8	1456.8	1462.9	1467.8	1472.3
62.5°	1402.4	1392.9	1387.2	1381.1	1380.5	1380.8	1386.0	1391.1	1398.8	1404.5	1408.8
65°	1302.8	1297.4	1295.5	1291.6	1293.6	1294.7	1301.0	1305.0	1312.6	1317.1	1322.6
67.5°	1202.2	1200.9	1202.1	1202.1	1205.6	1208.6	1214.6	1219.0	1225.5	1229.7	1234.1
70°	1128.0	1128.4	1131.2	1131.7	1135.4	1137.6	1142.8	1145.6	1151.4	1155.0	1160.3
72.5°	1055.7	1054.5	1055.2	1053.5	1054.8	1054.3	1057.1	1058.5	1063.5	1066.2	1072.7
75°	978.7	975.5	974.7	971.2	971.4	968.8	970.0	969.9	973.1	974.4	979.1
77.5°	885.8	880.3	877.8	871.9	871.8	869.5	871.9	873.3	879.0	881.8	887.1
80°	774.6	766.1	762.1	755.4	756.6	756.2	762.0	766.2	773.2	774.5	781.3
82.5°	643.9	635.1	631.0	624.3	625.9	626.0	631.2	632.2	638.3	640.8	648.7
85°	461.0	464.4	455.2	455.8	453.8	457.4	461.0	465.4	470.5	479.0	485.4
87.5°	271.5	270.3	273.6	274.0	278.7	281.1	288.7	293.0	301.5	308.0	320.0
90°	124.7	120.3	122.8	121.2	125.6	124.3	128.3	126.1	130.9	131.4	137.8
92.5°	42.2	40.2	37.2	35.0	32.2	30.3	28.5	27.7	26.1	25.5	23.9
95°	56.7	53.0	49.3	45.6	41.9	38.2	36.8	35.5	34.2	32.8	31.4
97.5°	65.9	62.0	58.0	53.8	49.8	45.9	45.0	44.1	43.1	42.2	41.4
100°	94.0	86.2	78.6	70.8	63.2	55.5	54.8	54.0	53.3	52.7	51.9
102.5°	187.6	169.7	152.2	134.5	116.9	99.2	96.2	93.1	90.0	86.9	83.9
105°	341.9	313.5	285.4	257.1	229.0	200.6	192.2	183.6	175.2	166.8	158.4
107.5°	488.1	460.4	432.9	405.2	377.7	350.2	336.7	323.5	310.0	296.7	283.5
110°	561.8	545.1	528.6	511.7	495.2	478.6	465.7	453.1	440.2	427.5	414.8



TEST NUMBER: P1444611
 CATALOG NUMBER: EHBR1-42-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	570.8	562.4	553.6	545.3	536.9	528.4	522.2	515.8	509.6	503.3	496.9
115°	532.3	529.3	526.4	523.6	520.7	517.8	517.1	516.7	515.9	515.4	514.9
117.5°	468.0	468.2	468.1	468.2	468.4	468.6	471.7	474.5	477.8	481.0	484.3
120°	404.4	406.2	407.8	409.6	411.4	413.3	417.3	421.5	425.5	429.9	434.4
122.5°	352.0	352.9	353.7	354.9	355.9	357.0	360.8	364.9	368.8	373.1	377.4
125°	312.4	311.7	311.2	310.5	309.8	309.5	312.5	315.6	318.7	322.3	325.5
127.5°	286.5	284.7	283.0	281.3	279.6	278.1	279.5	281.1	282.6	284.4	286.2
130°	272.0	269.6	266.9	264.6	261.9	259.6	259.7	260.0	260.2	260.6	261.1
132.5°	264.8	262.2	259.3	256.5	253.6	251.0	250.2	249.4	248.6	248.2	247.7
135°	261.1	258.7	255.8	253.1	250.4	247.8	246.6	245.3	244.2	243.1	242.2
137.5°	259.9	257.7	255.4	253.2	250.8	248.6	246.9	245.7	244.2	243.3	241.9
140°	259.9	258.1	256.1	254.2	252.2	250.5	249.0	247.9	246.7	245.7	244.5
142.5°	260.7	259.3	257.7	256.3	254.6	253.2	251.9	250.8	249.5	248.5	247.5
145°	263.3	262.3	261.1	259.8	258.7	257.7	256.4	255.5	254.5	253.6	252.8
147.5°	264.4	263.6	262.9	262.0	260.9	260.0	259.1	258.6	257.6	257.1	256.3
150°	265.5	264.9	264.0	263.3	262.4	261.7	261.0	260.4	259.7	259.4	258.6
152.5°	265.6	265.0	264.3	263.6	262.8	262.1	261.5	261.1	260.5	260.1	259.3
155°	266.7	266.1	265.5	264.9	264.1	263.7	263.2	262.5	262.0	261.5	260.8
157.5°	268.8	268.2	267.6	267.2	266.4	265.9	265.3	264.8	264.1	263.7	263.2
160°	271.1	270.7	270.0	269.5	269.0	268.5	267.8	267.3	266.5	266.0	265.3
162.5°	274.4	274.0	273.5	272.9	272.1	271.6	271.0	270.4	269.9	269.4	268.8
165°	277.9	277.3	276.8	276.3	275.9	275.4	274.6	274.2	273.4	272.9	272.2
167.5°	282.3	281.9	281.4	281.0	280.3	279.9	279.4	278.8	278.1	277.5	276.8
170°	285.6	285.2	284.8	284.2	283.7	283.1	282.6	282.0	281.3	281.0	280.3
172.5°	289.2	289.1	288.6	288.2	287.6	287.2	286.9	286.4	285.9	285.5	285.2
175°	290.7	290.5	290.4	290.0	289.9	289.6	289.3	289.2	288.9	288.8	288.4
177.5°	292.2	292.0	292.0	291.8	291.6	291.6	291.4	291.3	291.1	290.9	290.8
180°	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2



TEST NUMBER: P1444611
 CATALOG NUMBER: EHBR1-42-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4
2.5°	35253.5	35244.5	35248.8	35232.3	35236.2	35216.3	35214.4	35191.9	35189.7	35168.5	35160.6
5°	36447.1	36427.5	36449.6	36415.1	36421.9	36376.9	36373.2	36315.1	36295.1	36222.5	36191.1
7.5°	37758.9	37751.5	37765.1	37736.2	37735.2	37695.1	37678.6	37626.6	37594.3	37518.0	37469.3
10°	38046.3	38053.1	38042.0	38044.7	38029.1	38024.8	38008.8	37998.7	37972.5	37952.7	37923.6
12.5°	36852.9	36860.1	36814.5	36843.4	36820.6	36873.9	36869.6	36932.3	36941.9	37021.4	37051.4
15°	34094.9	34086.2	33998.9	34054.0	34024.5	34141.3	34167.5	34324.7	34408.8	34610.7	34734.6
17.5°	29928.4	29905.9	29782.9	29849.9	29815.8	29988.2	30045.9	30297.4	30454.3	30779.5	31011.3
20°	24961.8	24918.6	24774.7	24853.2	24818.1	25013.8	25096.3	25400.2	25602.5	26033.3	26339.8
22.5°	19933.5	19865.4	19724.4	19797.7	19764.5	19967.3	20074.6	20379.6	20611.2	21053.6	21411.3
25°	15418.0	15357.4	15221.1	15272.4	15260.0	15431.6	15527.1	15815.6	16043.2	16464.5	16806.0
27.5°	11759.7	11696.6	11573.5	11609.7	11597.3	11743.4	11833.5	12074.5	12270.3	12624.9	12924.8
30°	9000.3	8924.2	8819.8	8839.8	8831.3	8949.7	9033.8	9236.7	9404.6	9704.3	9962.7
32.5°	6898.7	6822.2	6726.3	6735.7	6723.0	6815.9	6885.2	7061.7	7208.0	7462.9	7687.7
35°	5278.5	5367.9	5163.1	5292.8	5157.7	5356.1	5284.8	5395.0	5520.8	5735.6	5923.1
37.5°	4057.9	3995.5	3942.9	3937.3	3937.0	3982.9	4037.2	4143.4	4254.3	4414.3	4579.6
40°	3215.7	3172.0	3137.9	3135.3	3137.9	3170.5	3210.6	3284.1	3365.2	3480.1	3601.6
42.5°	2667.1	2638.1	2617.5	2616.1	2622.6	2645.8	2673.6	2717.2	2770.0	2844.5	2927.8
45°	2308.4	2292.2	2280.8	2280.2	2283.1	2295.3	2311.3	2338.4	2371.9	2418.4	2471.1
47.5°	2056.7	2052.8	2045.6	2045.9	2042.6	2047.6	2049.4	2064.7	2082.4	2117.5	2186.4
50°	1873.4	1873.4	1868.5	1868.2	1863.5	1863.3	1859.4	1865.3	1873.7	1895.4	1917.4
52.5°	1728.5	1728.0	1722.7	1721.6	1716.7	1716.4	1713.1	1715.5	1716.6	1727.5	1740.7
55°	1615.4	1611.9	1604.9	1602.7	1600.7	1603.6	1602.3	1602.5	1601.0	1605.5	1609.5
57.5°	1534.1	1529.7	1523.0	1521.1	1520.6	1524.0	1524.1	1522.9	1516.8	1512.6	1506.8
60°	1469.8	1465.4	1458.2	1456.4	1457.4	1462.1	1461.9	1458.0	1448.9	1440.9	1431.7
62.5°	1406.7	1404.9	1401.2	1400.7	1399.7	1400.5	1397.3	1393.2	1384.1	1375.7	1365.7
65°	1322.0	1322.8	1320.2	1320.6	1317.2	1316.7	1311.8	1307.8	1298.7	1291.0	1280.7
67.5°	1233.9	1234.6	1232.5	1232.5	1230.7	1231.0	1227.9	1224.2	1216.6	1210.3	1202.3
70°	1161.4	1163.3	1162.0	1162.4	1160.3	1159.6	1154.9	1151.2	1143.3	1138.1	1130.9
72.5°	1074.7	1078.5	1078.4	1079.3	1076.3	1074.7	1069.1	1064.5	1057.3	1053.2	1047.5
75°	981.0	986.0	987.5	989.6	985.2	982.9	976.8	973.1	967.2	964.8	961.1
77.5°	889.5	895.1	900.4	905.4	898.2	891.8	884.1	878.3	869.9	866.7	860.9
80°	786.8	796.6	808.5	818.4	805.5	792.5	779.8	770.5	759.4	754.9	747.6
82.5°	652.7	662.8	669.6	676.0	667.1	657.5	645.3	637.1	625.1	620.7	612.3
85°	495.9	508.5	512.6	515.9	510.2	505.1	493.7	478.2	470.6	458.8	452.6
87.5°	326.1	333.7	335.2	336.3	332.8	330.3	322.9	315.6	302.7	293.4	281.9
90°	136.9	141.3	137.8	139.1	135.2	136.3	129.5	127.6	117.7	114.3	105.5
92.5°	23.0	21.4	20.3	19.1	20.9	21.5	23.3	23.9	25.3	26.1	27.7
95°	30.1	28.8	27.4	26.0	27.1	28.2	29.3	30.4	31.4	32.5	33.6
97.5°	40.5	39.5	38.6	37.7	38.3	39.0	39.6	40.3	40.9	41.6	42.3
100°	51.2	50.5	49.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
102.5°	80.8	77.7	74.7	71.6	73.7	75.7	77.8	79.9	82.0	84.1	86.2
105°	150.0	141.6	133.2	124.8	133.0	141.1	149.2	157.4	165.4	173.8	181.9
107.5°	270.0	256.8	243.5	230.2	245.3	260.0	274.8	289.6	304.4	319.1	334.2
110°	402.2	389.6	377.0	364.3	380.0	395.8	411.5	427.2	442.9	458.6	474.6



TEST NUMBER: P1444611
 CATALOG NUMBER: EHBR1-42-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	490.7	484.7	478.5	472.4	482.5	492.6	502.7	513.1	523.2	533.4	543.5
115°	514.4	514.0	513.7	513.3	518.2	523.0	527.7	532.6	537.6	542.4	547.3
117.5°	487.5	490.7	494.2	497.6	499.2	500.7	502.4	503.9	505.7	507.2	509.1
120°	438.8	442.9	447.5	452.1	451.6	450.9	450.5	449.9	449.6	449.1	449.0
122.5°	381.7	386.0	390.7	395.2	393.8	392.4	391.2	390.1	389.1	387.9	387.0
125°	329.3	332.7	336.5	340.3	338.9	337.5	336.3	335.3	334.3	333.1	332.5
127.5°	288.4	290.6	292.6	294.9	294.3	293.6	293.4	292.9	292.6	292.5	292.5
130°	261.7	262.5	263.5	264.3	264.5	264.7	265.2	265.7	266.4	267.0	267.9
132.5°	247.7	247.5	247.5	247.5	248.2	249.0	250.1	251.2	252.4	253.6	255.4
135°	241.6	241.0	240.6	240.2	241.2	242.2	243.5	244.9	246.6	248.3	250.2
137.5°	241.1	240.3	239.7	238.9	240.0	241.1	242.4	243.7	245.5	247.1	249.2
140°	243.7	242.9	242.5	241.7	242.8	243.8	245.2	246.5	248.1	249.8	251.7
142.5°	246.8	245.9	245.4	244.9	245.7	246.7	248.0	249.1	250.7	252.1	253.8
145°	252.2	251.4	251.1	250.6	251.1	251.9	252.7	253.6	254.8	255.8	257.3
147.5°	255.8	255.2	255.0	254.6	255.2	255.5	256.3	256.8	257.7	258.4	259.6
150°	258.4	257.9	257.7	257.5	257.7	257.9	258.4	258.7	259.2	259.8	260.7
152.5°	259.1	258.6	258.5	258.2	258.4	258.5	258.9	259.2	259.6	260.0	260.8
155°	260.5	260.1	259.7	259.3	259.3	259.2	259.4	259.3	259.6	259.6	260.0
157.5°	262.9	262.4	262.1	261.6	261.4	261.1	261.1	260.9	260.9	260.6	260.7
160°	265.0	264.2	263.7	263.3	263.3	262.9	262.9	262.6	262.6	262.6	262.5
162.5°	268.4	267.9	267.5	267.0	266.7	266.2	265.9	265.4	265.1	264.8	264.7
165°	271.5	270.9	270.4	269.7	269.5	269.2	268.9	268.7	268.5	268.2	268.2
167.5°	276.5	275.7	275.2	274.6	274.3	273.7	273.5	273.0	272.7	272.3	272.2
170°	279.9	279.4	279.0	278.5	278.3	277.9	277.8	277.4	277.2	277.1	277.1
172.5°	284.8	284.3	284.0	283.6	283.4	283.1	283.0	282.8	282.6	282.6	282.4
175°	288.3	288.0	287.9	287.6	287.4	287.3	287.1	287.0	286.9	286.6	286.5
177.5°	290.5	290.2	290.1	290.0	289.9	289.9	289.9	289.9	289.9	289.8	289.6
180°	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2

TEST NUMBER: P1444611
 CATALOG NUMBER: EHBR1-42-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4
2.5°	35137.8	35128.5	35104.2	35092.2	35069.7	35058.4	35040.8	35029.5	35015.3	35004.8	34999.3
5°	36111.3	36066.4	35976.3	35920.9	35823.7	35759.7	35663.1	35592.3	35492.6	35419.0	35324.8
7.5°	37378.0	37309.0	37193.7	37106.2	36970.2	36866.2	36713.5	36591.4	36422.8	36282.7	36110.4
10°	37893.7	37853.4	37801.6	37745.4	37670.0	37596.1	37491.8	37385.6	37244.1	37103.2	36919.1
12.5°	37131.5	37169.3	37244.1	37278.9	37336.0	37355.5	37381.6	37369.4	37346.2	37288.7	37205.3
15°	34972.8	35131.0	35380.9	35553.8	35796.0	35966.0	36191.1	36336.0	36502.8	36602.5	36697.2
17.5°	31422.0	31727.9	32168.8	32520.7	32993.0	33376.9	33847.5	34217.1	34643.9	34971.3	35319.9
20°	26874.0	27302.3	27911.1	28428.0	29112.4	29692.7	30436.1	31059.0	31785.5	32391.0	33044.6
22.5°	21979.1	22482.9	23180.4	23803.9	24621.2	25351.0	26282.5	27106.1	28088.2	28968.0	29941.3
25°	17361.2	17855.1	18565.6	19211.2	20093.4	20897.5	21915.1	22859.8	23999.5	25062.3	26282.5
27.5°	13401.2	13839.8	14464.4	15045.6	15853.6	16642.9	17675.7	18683.0	19899.2	21041.4	22356.4
30°	10349.5	10705.4	11205.7	11673.3	12322.0	12967.5	13887.5	14819.0	16029.2	17212.9	18560.9
32.5°	8020.5	8323.9	8741.7	9121.2	9621.0	10107.8	10785.2	11529.7	12591.2	13725.0	15028.5
35°	6208.8	6468.3	6823.9	7150.9	7561.9	7948.3	8453.8	8985.2	9795.3	10749.0	11915.5
37.5°	4950.0	5055.8	5309.6	5577.5	5918.8	6236.4	6631.9	7024.8	7604.3	8356.7	9309.7
40°	3764.4	3932.5	4139.0	4349.9	4608.5	4863.2	5296.9	5505.9	5887.5	6427.6	7167.3
42.5°	3037.4	3155.6	3300.9	3447.6	3627.8	3805.2	4024.6	4248.1	4533.3	4899.2	5425.3
45°	2541.7	2618.9	2712.6	2810.3	2928.6	3049.6	3196.5	3350.0	3543.3	3768.2	4087.8
47.5°	2210.6	2253.2	2314.3	2381.1	2462.3	2546.1	2641.5	2739.3	2859.4	2992.9	3174.8
50°	1952.2	1987.7	2035.2	2079.9	2135.8	2221.7	2259.6	2313.6	2385.9	2464.3	2566.1
52.5°	1765.2	1788.8	1818.6	1844.2	1879.7	1911.8	1953.9	1991.2	2041.2	2088.3	2154.0
55°	1619.5	1628.1	1645.0	1661.5	1686.0	1708.0	1736.9	1761.2	1793.1	1821.3	1862.8
57.5°	1507.0	1507.8	1515.7	1524.2	1540.0	1553.8	1573.7	1589.7	1611.8	1629.8	1654.6
60°	1426.2	1421.9	1423.5	1426.5	1435.3	1444.3	1457.0	1467.4	1481.4	1491.6	1505.4
62.5°	1358.9	1352.2	1350.6	1349.8	1354.3	1357.5	1364.4	1369.5	1377.4	1381.9	1389.2
65°	1273.9	1266.0	1262.9	1259.2	1260.6	1259.5	1262.1	1262.2	1266.3	1267.1	1271.5
67.5°	1196.9	1190.2	1186.2	1181.3	1179.0	1175.5	1174.0	1170.6	1170.1	1167.2	1166.6
70°	1126.6	1120.1	1116.8	1112.1	1109.8	1105.2	1102.3	1096.5	1093.2	1087.8	1084.8
72.5°	1045.2	1041.6	1040.5	1037.5	1036.7	1034.0	1032.9	1028.8	1026.5	1022.0	1019.3
75°	960.3	957.2	957.0	953.9	953.6	950.6	949.8	945.4	943.2	938.7	936.7
77.5°	859.0	854.6	853.3	849.7	850.6	849.0	850.3	847.0	845.6	841.0	839.7
80°	745.0	739.3	736.9	732.1	733.4	731.2	733.4	733.2	734.8	731.2	730.5
82.5°	609.9	603.6	602.4	599.1	601.4	601.5	606.4	603.8	604.8	601.4	602.8
85°	443.8	439.2	432.6	431.7	427.6	431.8	426.2	430.0	424.0	428.2	422.5
87.5°	275.1	265.5	260.4	253.5	251.0	244.3	241.5	236.7	238.2	235.9	237.2
90°	104.0	96.3	95.1	88.9	89.0	83.8	85.1	81.5	83.6	79.9	82.2
92.5°	28.5	29.7	31.7	34.3	36.1	38.3	40.4	42.9	44.8	47.2	49.1
95°	34.7	35.8	38.6	41.6	44.4	47.2	50.4	53.2	56.1	59.0	61.9
97.5°	43.0	43.6	46.5	49.4	52.3	55.2	58.1	61.2	64.0	67.0	69.8
100°	49.0	49.1	57.4	65.5	73.8	82.1	90.4	98.5	107.0	115.1	123.4
102.5°	88.3	90.4	111.1	131.9	152.7	173.5	194.4	215.2	236.0	257.0	277.9
105°	190.0	198.3	230.0	261.8	293.4	325.2	357.1	389.0	420.8	452.6	484.4
107.5°	348.9	363.9	392.6	421.3	450.0	478.9	507.7	536.4	565.2	594.1	623.1
110°	490.4	506.2	525.4	544.8	564.2	583.5	602.8	622.2	641.7	661.1	680.7



TEST NUMBER: P1444611
 CATALOG NUMBER: EHBR1-42-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	553.7	564.1	575.3	586.8	598.2	609.7	621.1	632.6	644.2	655.8	667.3
115°	552.4	557.5	561.9	566.6	571.1	575.8	580.5	585.4	590.3	595.1	599.9
117.5°	510.7	512.8	513.6	514.7	515.7	517.0	518.1	519.3	520.7	522.0	523.1
120°	448.6	448.4	448.0	447.8	447.3	447.2	447.1	447.0	446.9	447.0	446.9
122.5°	386.0	385.3	385.0	384.9	384.7	384.7	384.8	385.0	385.0	385.1	385.2
125°	331.6	331.0	332.2	333.4	334.8	336.1	337.4	339.1	340.5	341.9	343.5
127.5°	292.4	292.7	295.0	297.4	299.7	302.2	304.8	307.6	309.8	312.7	315.0
130°	268.8	269.9	272.6	275.8	278.6	281.7	284.9	288.1	291.0	294.1	297.0
132.5°	256.8	258.6	261.3	264.3	267.2	270.2	273.2	276.3	279.3	282.4	285.2
135°	252.2	254.3	257.0	259.7	262.5	265.4	268.1	271.1	273.7	276.6	279.3
137.5°	251.1	253.1	255.5	257.8	260.1	262.7	264.9	267.4	269.6	272.1	274.4
140°	253.5	255.7	257.2	258.9	260.6	262.3	263.7	265.5	267.1	268.8	270.3
142.5°	255.5	257.6	258.4	259.8	260.9	262.5	263.7	265.0	266.0	267.2	268.3
145°	258.5	260.1	260.6	261.3	262.0	262.7	263.2	263.8	264.3	264.9	265.3
147.5°	260.6	261.9	262.0	262.4	262.9	263.1	263.4	263.8	264.0	264.3	264.6
150°	261.2	262.2	262.0	262.4	262.3	262.4	262.4	262.5	262.4	262.6	262.5
152.5°	261.3	261.9	261.5	261.8	261.5	261.4	261.2	261.2	260.9	260.9	260.9
155°	260.0	260.4	260.2	260.1	259.9	259.8	259.7	259.9	259.9	259.8	259.9
157.5°	260.7	260.7	260.6	260.5	260.2	260.3	260.3	260.3	260.3	260.6	260.8
160°	262.3	262.4	262.2	262.1	262.0	261.9	261.9	262.0	262.1	262.5	262.7
162.5°	264.3	264.2	263.9	263.8	263.7	263.8	263.9	264.2	264.2	264.5	264.8
165°	268.2	268.3	267.8	267.9	267.7	267.6	267.6	267.7	267.9	268.1	268.3
167.5°	272.0	271.9	271.9	272.0	272.0	272.2	272.3	272.8	273.0	273.5	273.6
170°	277.0	277.1	276.9	276.9	276.8	276.8	276.9	276.9	277.1	277.2	277.3
172.5°	282.4	282.4	282.2	282.0	281.8	281.8	281.7	281.7	281.5	281.5	281.3
175°	286.3	286.2	286.1	286.0	285.9	285.7	285.7	285.4	285.3	285.2	285.1
177.5°	289.5	289.2	289.1	289.1	289.0	288.8	288.8	288.7	288.7	288.7	288.4
180°	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2



TEST NUMBER: P1444611
 CATALOG NUMBER: EHBR1-42-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4
2.5°	34992.3	34991.9	34988.5	34990.0	34990.7	34993.2	34996.1	34999.3	35000.0	35002.4	35002.9
5°	35254.2	35167.5	35103.6	35033.2	34980.1	34932.5	34900.7	34875.5	34865.8	34868.2	34874.1
7.5°	35964.3	35785.6	35638.0	35470.5	35330.7	35182.7	35060.0	34943.3	34858.3	34795.0	34759.6
10°	36743.5	36525.8	36317.6	36075.0	35844.9	35599.2	35376.9	35152.9	34966.1	34803.9	34684.8
12.5°	37089.3	36935.4	36755.5	36526.5	36280.3	35996.9	35710.7	35404.0	35118.6	34853.8	34640.1
15°	36723.2	36723.5	36657.8	36547.9	36376.9	36150.5	35877.8	35558.0	35221.5	34878.0	34564.2
17.5°	35560.9	35780.2	35902.2	35979.4	35955.6	35872.2	35698.8	35453.1	35139.3	34773.4	34390.6
20°	33565.0	34082.2	34451.0	34782.6	34968.4	35092.0	35079.6	34979.6	34756.2	34445.1	34046.3
22.5°	30769.1	31637.2	32322.2	32960.9	33409.0	33773.4	33946.7	34020.1	33918.9	33702.2	33327.7
25°	27373.2	28553.5	29560.7	30538.3	31271.6	31901.8	32280.5	32547.3	32568.5	32455.4	32121.2
27.5°	23599.6	24992.9	26267.7	27566.9	28598.2	29504.1	30098.5	30533.6	30671.8	30653.6	30350.2
30°	19830.9	21293.5	22698.8	24213.8	25489.8	26647.3	27432.5	28020.9	28247.6	28291.1	27999.3
32.5°	16271.7	17714.1	19115.4	20699.3	22103.5	23430.0	24357.8	25056.6	25320.3	25382.5	25062.3
35°	13041.6	14372.3	15704.0	17239.0	18635.2	20008.8	20986.4	21718.1	21964.3	22005.9	21635.3
37.5°	10240.4	11374.2	12534.7	13911.9	15194.1	16484.1	17412.9	18100.6	18280.0	18268.9	17849.6
40°	7881.9	8763.3	9695.8	10829.6	11895.6	12986.1	13770.5	14338.9	14433.2	14363.4	13922.8
42.5°	5926.8	6563.4	7239.4	8085.7	8876.7	9692.8	10263.4	10685.5	10699.0	10588.6	10193.2
45°	4415.4	5036.5	5320.0	5831.8	6341.2	6883.9	7232.3	7493.0	7452.6	7355.6	7055.1
47.5°	3366.0	3604.7	3857.9	4175.2	4471.9	5087.8	5042.1	5460.8	5159.2	5364.9	4912.3
50°	2673.0	2806.4	2942.7	3111.2	3266.2	3427.2	3527.8	3602.9	3593.2	3560.9	3474.1
52.5°	2274.1	2315.3	2382.4	2478.3	2564.8	2651.9	2709.1	2755.7	2756.7	2743.6	2699.8
55°	1900.6	1953.0	2001.2	2063.9	2170.4	2186.8	2269.0	2252.3	2258.8	2236.1	2259.3
57.5°	1675.8	1706.2	1733.3	1770.6	1801.4	1837.4	1858.6	1879.0	1877.0	1872.6	1850.2
60°	1516.4	1533.2	1548.3	1570.1	1587.0	1607.3	1617.0	1627.4	1624.0	1616.5	1596.6
62.5°	1393.6	1404.1	1412.7	1426.8	1437.0	1449.6	1454.8	1459.2	1454.8	1447.6	1430.0
65°	1272.3	1279.1	1284.6	1295.1	1302.4	1313.2	1317.5	1321.7	1317.6	1312.0	1298.7
67.5°	1163.0	1163.7	1163.2	1167.4	1169.7	1176.2	1178.1	1181.1	1176.5	1171.7	1160.3
70°	1080.1	1078.4	1076.4	1078.1	1078.4	1081.6	1082.1	1081.6	1076.0	1067.6	1055.3
72.5°	1015.3	1014.4	1012.8	1014.3	1014.3	1017.1	1016.3	1014.8	1007.9	999.9	987.6
75°	932.0	931.4	928.3	928.4	925.8	926.7	923.3	921.4	913.7	906.9	895.9
77.5°	834.5	833.0	828.5	826.7	821.8	819.7	813.3	810.2	802.4	796.9	787.6
80°	725.7	724.0	718.1	714.9	707.1	702.1	692.8	687.5	678.5	673.2	664.0
82.5°	599.9	600.6	594.7	590.6	579.4	570.8	558.3	551.5	541.7	536.5	527.1
85°	426.6	420.5	423.8	423.6	416.5	409.1	398.9	391.7	383.4	378.5	371.9
87.5°	234.0	235.5	233.8	232.3	227.4	223.6	215.7	211.5	205.4	202.3	197.4
90°	75.5	74.8	68.5	68.0	61.8	59.1	51.9	50.2	43.5	42.4	37.8
92.5°	46.7	44.2	42.1	39.4	37.2	34.8	32.4	30.0	27.5	26.4	25.9
95°	58.3	54.9	51.5	47.9	44.4	40.9	37.5	34.0	30.5	29.8	29.0
97.5°	65.9	61.8	57.6	53.5	49.4	45.3	41.2	37.0	32.9	32.4	32.0
100°	114.0	104.5	95.0	85.5	75.9	66.4	57.1	47.4	38.0	37.4	36.9
102.5°	254.7	231.6	208.5	185.6	162.6	139.4	116.4	93.2	70.1	66.8	63.5
105°	449.5	414.4	379.7	344.8	309.8	274.8	240.1	204.9	169.9	158.7	147.4
107.5°	590.3	557.4	524.7	492.0	459.1	426.5	393.5	360.7	327.8	308.0	288.4
110°	654.8	628.9	603.0	577.0	551.2	525.2	499.2	473.2	447.2	430.1	413.4



TEST NUMBER: P1444611
 CATALOG NUMBER: EHBR1-42-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	648.4	629.5	610.9	591.9	573.1	554.1	535.2	516.3	497.1	487.0	476.9
115°	588.9	577.6	566.6	555.3	544.1	532.9	521.7	510.2	498.9	493.7	488.5
117.5°	517.9	512.4	507.1	501.6	496.1	490.4	485.0	479.3	473.8	472.2	470.5
120°	446.0	444.7	443.3	442.0	440.7	439.4	438.0	436.5	435.0	435.6	436.3
122.5°	386.5	387.7	389.2	390.3	391.5	392.6	394.1	394.9	396.1	398.0	400.0
125°	346.0	348.2	350.6	352.8	355.1	357.5	359.7	361.8	364.1	366.0	368.3
127.5°	318.0	320.3	323.1	325.5	328.2	330.6	333.3	335.5	338.1	340.1	342.2
130°	299.6	301.9	304.3	306.5	308.9	311.3	313.4	315.8	318.1	319.8	321.7
132.5°	287.4	289.7	291.9	293.9	296.3	298.3	300.5	302.6	305.0	306.5	308.0
135°	281.2	282.9	284.8	286.3	288.5	290.1	291.9	293.9	295.9	297.1	298.5
137.5°	275.9	277.4	279.2	280.5	282.3	283.7	285.5	287.1	289.1	290.0	291.3
140°	271.8	273.5	274.9	276.4	278.2	279.7	281.5	283.3	285.2	286.1	287.4
142.5°	269.7	270.7	272.1	273.3	274.8	276.0	277.7	279.3	280.9	282.0	283.1
145°	266.7	268.1	269.4	270.7	272.1	273.8	275.5	277.2	279.0	279.9	280.8
147.5°	265.6	266.7	268.0	269.2	270.5	271.7	273.4	274.9	276.5	277.4	278.4
150°	263.6	264.7	265.8	267.1	268.5	269.9	271.4	273.0	274.8	275.8	276.8
152.5°	262.0	263.2	264.3	265.7	267.1	268.6	270.2	271.9	273.7	274.4	275.5
155°	261.1	262.2	263.4	264.9	266.4	267.7	269.2	270.8	272.5	273.5	274.4
157.5°	261.9	262.9	264.1	265.4	266.7	268.0	269.5	270.8	272.4	273.2	273.9
160°	263.7	264.6	265.9	267.0	268.3	269.3	270.7	271.9	273.3	274.1	274.8
162.5°	266.0	267.0	268.3	269.0	270.4	271.6	273.0	274.0	275.3	276.0	276.8
165°	269.1	270.0	271.0	271.8	272.8	273.6	274.7	275.5	276.7	277.2	278.1
167.5°	274.5	275.0	275.6	276.3	277.3	278.0	278.9	279.6	280.4	281.1	281.7
170°	277.9	278.5	279.0	279.7	280.3	281.0	281.6	282.1	283.1	283.6	284.2
172.5°	281.7	281.9	282.5	282.8	283.2	283.5	284.1	284.6	285.1	285.6	286.0
175°	285.5	285.5	285.7	285.8	285.9	286.2	286.5	286.9	287.1	287.5	287.8
177.5°	288.5	288.6	288.7	288.8	289.2	289.3	289.5	289.6	289.9	290.2	290.5
180°	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2



TEST NUMBER: P1444611
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CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4
2.5°	35001.7	35001.3	35000.2	34998.7	34997.1	34998.0	34999.6	35003.6	35010.6	35020.8	35034.0
5°	34878.9	34886.0	34890.1	34890.6	34887.0	34884.7	34888.2	34897.8	34917.2	34949.7	34993.7
7.5°	34750.1	34758.9	34772.5	34782.6	34784.5	34782.1	34782.6	34797.7	34833.5	34896.8	34985.7
10°	34612.4	34586.3	34600.1	34625.3	34645.4	34649.1	34651.5	34669.3	34721.7	34817.5	34960.3
12.5°	34485.4	34402.6	34386.6	34409.4	34439.9	34449.7	34446.9	34454.6	34515.9	34642.7	34841.7
15°	34318.4	34162.6	34109.3	34115.1	34152.7	34166.3	34156.4	34141.3	34201.1	34355.8	34613.4
17.5°	34047.8	33796.7	33698.8	33694.5	33738.5	33750.2	33726.0	33679.2	33738.0	33931.1	34250.9
20°	33636.8	33265.9	33081.6	33052.3	33100.1	33086.2	33037.9	32967.0	33044.4	33279.2	33659.5
22.5°	32897.6	32427.8	32112.8	32011.4	32068.5	32030.3	31960.0	31869.5	31972.2	32239.0	32662.5
25°	31689.8	31146.9	30715.8	30474.0	30519.6	30451.2	30374.6	30265.0	30387.5	30693.7	31159.9
27.5°	29914.5	29287.4	28753.3	28352.9	28367.6	28278.0	28189.8	28048.0	28200.9	28563.4	29089.2
30°	27553.8	26828.2	26177.6	25633.6	25584.9	25498.1	25407.7	25221.6	25412.9	25846.8	26461.3
32.5°	24589.2	23783.5	23031.9	22344.0	22214.2	22129.6	22048.9	21834.7	22085.3	22591.1	23297.1
35°	21122.1	20263.9	19449.0	18663.4	18448.4	18363.7	18293.3	18088.0	18400.6	18951.2	19713.6
37.5°	17316.6	16439.9	15630.8	14825.2	14521.4	14406.5	14355.3	14220.9	14581.5	15126.1	15891.7
40°	13409.8	12594.7	11869.3	11157.7	10811.4	10635.6	10608.8	10584.2	10933.0	11405.4	12100.3
42.5°	9755.1	9097.5	8538.2	7994.3	7680.4	7440.4	7440.2	7513.1	7827.0	8180.9	8716.7
45°	6747.9	6306.5	5950.2	5586.8	5684.0	5205.2	5486.4	5342.1	5497.2	5725.4	6073.8
47.5°	4638.5	4397.6	4201.9	3998.9	3850.8	3709.5	3721.9	3813.0	3959.1	4094.4	4275.8
50°	3380.7	3258.0	3158.3	3052.8	2979.2	2916.9	2920.5	2959.9	3036.7	3108.0	3202.9
52.5°	2649.0	2581.3	2527.2	2468.9	2430.3	2399.2	2400.9	2420.0	2461.6	2502.4	2556.8
55°	2183.4	2175.3	2104.8	2052.5	2032.6	2011.8	2015.5	2023.1	2051.3	2075.2	2111.2
57.5°	1829.7	1798.1	1776.9	1749.3	1736.8	1722.2	1725.5	1728.3	1747.2	1763.2	1789.1
60°	1579.9	1557.5	1542.6	1523.8	1515.5	1506.2	1508.4	1510.1	1522.1	1532.6	1551.1
62.5°	1414.0	1394.0	1380.9	1366.4	1360.7	1354.4	1355.8	1356.3	1363.9	1371.6	1385.6
65°	1286.7	1270.8	1260.0	1247.5	1241.4	1234.9	1235.5	1235.5	1241.9	1247.5	1258.1
67.5°	1152.1	1140.1	1133.2	1123.2	1119.0	1112.4	1112.3	1110.2	1114.4	1116.6	1123.7
70°	1044.1	1032.0	1023.0	1013.5	1008.3	1002.4	1002.6	1002.7	1007.5	1012.6	1021.9
72.5°	977.4	965.8	957.8	949.5	944.6	939.5	938.7	938.2	941.6	944.4	950.6
75°	889.0	879.7	875.0	867.3	863.3	857.7	856.8	854.2	855.9	856.4	861.0
77.5°	781.7	773.0	769.2	761.3	758.0	751.6	751.1	748.2	749.6	748.6	752.1
80°	659.5	651.5	649.5	643.0	641.4	635.5	634.7	631.1	632.2	629.4	630.7
82.5°	523.1	515.8	514.2	508.2	508.2	502.9	502.6	497.3	497.3	492.7	485.4
85°	368.5	363.1	360.9	356.0	354.5	350.3	348.0	342.9	341.1	337.9	336.8
87.5°	194.5	191.1	188.1	185.7	181.4	173.8	173.1	167.8	168.2	164.3	164.6
90°	37.2	33.0	32.6	28.8	28.1	25.4	24.9	24.7	25.0	24.9	25.4
92.5°	25.0	24.3	23.5	22.7	21.8	21.0	20.2	21.0	21.8	22.7	23.5
95°	28.3	27.6	26.8	26.1	25.4	24.7	24.0	24.7	25.4	26.3	27.0
97.5°	31.5	31.0	30.6	30.2	29.7	29.3	28.8	29.5	29.9	30.4	30.8
100°	36.3	35.9	35.3	34.8	34.2	33.7	33.1	33.9	34.4	35.0	35.5
102.5°	60.2	56.9	53.5	50.2	46.9	43.5	40.2	43.5	46.9	50.4	53.7
105°	136.2	125.1	113.8	102.5	91.4	80.1	68.8	80.2	91.5	102.6	114.0
107.5°	268.6	248.9	229.1	209.3	189.4	169.6	149.8	169.8	189.7	209.5	229.4
110°	396.3	379.4	362.3	345.3	328.1	311.2	294.0	311.3	328.4	345.6	362.7



TEST NUMBER: P1444611
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CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	466.5	456.4	446.0	435.8	425.3	415.1	404.6	415.4	425.8	436.4	446.7
115°	483.3	477.9	472.8	467.5	462.0	456.7	451.1	457.1	462.7	468.3	473.9
117.5°	468.8	467.3	465.5	463.8	462.1	460.4	458.4	460.6	462.7	465.0	466.8
120°	436.7	437.5	438.0	438.4	438.9	439.3	439.6	439.8	439.8	439.8	439.7
122.5°	401.8	403.7	405.5	407.3	408.9	410.7	412.1	411.2	410.0	408.9	407.5
125°	370.0	372.3	374.1	376.0	377.8	379.7	381.0	380.3	379.2	378.0	376.6
127.5°	344.1	346.0	347.8	349.9	351.4	353.0	354.4	353.8	352.8	351.9	350.6
130°	323.2	325.2	326.6	328.3	329.6	330.9	331.9	331.6	330.9	330.6	329.6
132.5°	309.5	311.2	312.6	313.9	315.0	316.2	316.9	317.0	316.7	316.4	315.6
135°	299.9	301.2	302.2	303.6	304.5	305.4	305.9	306.3	306.2	306.1	305.6
137.5°	292.3	293.5	294.5	295.4	296.1	296.6	296.9	297.5	297.7	298.2	298.0
140°	288.5	289.7	290.7	291.5	292.4	293.2	293.3	294.1	294.3	294.4	294.2
142.5°	284.4	285.5	286.4	287.4	288.1	288.8	289.1	289.7	289.9	290.0	289.9
145°	282.0	282.8	283.7	284.6	285.2	285.6	285.7	286.5	286.8	287.0	287.2
147.5°	279.3	280.2	281.0	281.7	282.2	282.8	283.1	283.6	284.0	284.3	284.4
150°	277.9	278.8	279.7	280.5	281.2	281.7	281.9	282.5	282.8	283.0	283.0
152.5°	276.3	277.1	278.1	278.7	279.4	279.9	280.1	280.6	281.1	281.4	281.5
155°	275.1	276.1	276.9	277.7	278.2	278.8	279.4	279.9	280.2	280.5	280.7
157.5°	274.6	275.6	276.2	277.0	277.6	278.4	278.9	279.5	279.9	280.4	280.6
160°	275.4	276.4	276.9	277.7	278.4	279.0	279.6	280.1	280.6	281.0	281.6
162.5°	277.4	278.2	278.6	279.4	280.0	280.7	281.2	281.9	282.4	282.9	283.3
165°	278.8	279.6	280.0	280.8	281.6	282.3	282.8	283.4	283.7	284.1	284.4
167.5°	282.3	283.1	283.5	284.2	284.7	285.5	286.0	286.5	286.8	287.1	287.3
170°	284.7	285.4	285.8	286.3	286.9	287.5	287.9	288.2	288.5	288.8	289.1
172.5°	286.4	287.1	287.6	288.3	288.7	289.3	289.8	290.1	290.1	290.3	290.2
175°	288.1	288.7	288.9	289.4	289.7	290.2	290.7	290.6	290.8	290.7	290.8
177.5°	290.9	291.4	291.7	292.0	292.5	292.7	293.1	292.8	292.7	292.6	292.3
180°	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2



TEST NUMBER: P1444611
 CATALOG NUMBER: EHBR1-42-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4
2.5°	35052.8	35070.4	35097.2	35121.5	35158.1	35187.0	35230.3	35263.2	35312.2	35344.0	35397.2
5°	35055.9	35124.5	35214.7	35302.7	35408.5	35504.6	35623.9	35725.6	35845.5	35943.4	36066.1
7.5°	35105.5	35237.8	35396.2	35555.9	35736.6	35905.5	36096.0	36268.3	36456.6	36616.0	36790.2
10°	35142.1	35346.0	35579.6	35814.7	36062.1	36291.9	36524.1	36724.6	36912.1	37066.3	37202.5
12.5°	35092.5	35373.5	35673.2	35962.7	36237.8	36475.7	36675.4	36829.6	36936.1	37008.3	37025.2
15°	34923.9	35262.0	35587.9	35876.2	36104.5	36280.7	36371.7	36414.4	36368.7	36292.6	36125.6
17.5°	34609.1	34965.7	35257.1	35484.5	35605.1	35652.9	35577.4	35446.1	35189.4	34904.6	34493.1
20°	34031.8	34364.1	34575.5	34699.6	34667.3	34547.9	34262.9	33916.4	33404.0	32857.9	32137.2
22.5°	33019.4	33309.9	33422.5	33431.7	33234.8	32936.0	32421.9	31827.6	31019.2	30178.8	29145.3
25°	31499.6	31754.0	31771.9	31671.9	31311.5	30827.2	30072.4	29231.7	28133.2	27013.3	25718.2
27.5°	29438.5	29682.6	29622.8	29436.3	28936.0	28288.0	27321.5	26235.5	24881.2	23558.6	22125.8
30°	26847.5	27108.5	27038.4	26799.1	26204.0	25438.2	24300.9	23039.1	21535.6	20123.0	18671.1
32.5°	23746.9	24076.8	24028.4	23801.1	23180.1	22360.4	21126.5	19788.2	18249.9	16857.8	15445.5
35°	20222.7	20623.2	20644.0	20495.3	19918.8	19108.7	17890.1	16594.9	15121.4	13807.9	12503.2
37.5°	16425.7	16890.1	16985.5	16945.4	16467.6	15752.4	14642.2	13480.2	12174.9	11023.7	9907.9
40°	12607.6	13077.8	13240.8	13289.2	12936.7	12382.7	11471.5	10533.7	9469.6	8536.7	7650.8
42.5°	9125.8	9542.5	9700.2	9799.3	9579.3	9209.8	8545.2	7864.1	7084.5	6411.7	5766.7
45°	6338.1	6632.8	6752.8	6852.6	6732.6	6524.3	6104.6	5678.6	5163.9	4724.3	4308.1
47.5°	4431.4	4593.9	4673.0	4721.4	4675.0	4566.3	4337.8	4091.1	3800.6	3543.7	3296.6
50°	3284.5	3371.1	3412.4	3440.4	3406.6	3346.2	3222.6	3088.3	2928.7	2783.2	2641.0
52.5°	2602.9	2652.5	2677.1	2692.2	2672.8	2635.8	2563.8	2484.2	2388.6	2298.6	2251.4
55°	2192.8	2190.2	2247.1	2219.7	2247.1	2185.8	2172.9	2085.3	2005.9	1949.9	1889.4
57.5°	1808.4	1834.1	1845.0	1857.3	1849.3	1838.1	1807.6	1776.2	1734.3	1699.2	1661.9
60°	1565.4	1586.6	1598.6	1610.6	1609.9	1605.7	1588.0	1569.3	1543.1	1522.1	1499.4
62.5°	1398.0	1416.3	1428.1	1439.7	1440.8	1439.1	1425.7	1412.7	1394.8	1381.7	1366.1
65°	1266.3	1279.1	1287.2	1296.4	1295.9	1293.5	1281.4	1270.6	1255.8	1246.7	1235.3
67.5°	1128.4	1138.2	1144.5	1153.2	1154.9	1155.4	1148.8	1143.7	1136.5	1133.8	1130.0
70°	1030.4	1042.3	1052.3	1063.3	1069.3	1072.2	1069.3	1066.8	1062.5	1060.8	1057.7
72.5°	956.2	966.3	974.0	984.0	989.6	993.7	991.5	990.0	986.4	985.9	983.9
75°	864.1	871.0	875.4	883.0	885.9	889.7	888.1	889.0	887.8	890.6	890.5
77.5°	753.3	758.4	760.5	766.0	766.5	771.0	772.1	777.4	781.2	789.6	794.0
80°	628.7	631.9	631.9	637.5	640.0	647.6	651.3	660.0	664.0	671.5	672.1
82.5°	488.3	484.6	488.3	486.0	493.1	501.7	502.9	510.3	512.1	516.7	513.0
85°	333.9	333.6	330.6	331.1	328.9	329.9	328.7	330.0	328.8	328.9	325.5
87.5°	159.9	161.4	157.9	159.0	155.7	157.3	154.2	156.6	153.0	153.6	148.4
90°	25.5	25.9	26.0	26.5	27.4	28.7	30.2	31.5	33.4	34.7	36.2
92.5°	24.3	25.1	26.0	26.8	27.6	30.1	32.5	34.9	37.5	39.8	42.2
95°	27.8	28.5	29.2	30.2	30.8	34.4	37.9	41.4	44.9	48.4	52.0
97.5°	31.4	31.9	32.4	32.8	33.5	37.6	41.7	46.0	50.1	54.2	58.2
100°	36.2	36.7	37.3	37.9	38.5	48.0	57.7	67.2	76.7	86.2	95.8
102.5°	57.2	60.5	63.8	67.5	70.8	94.0	117.2	140.4	163.3	186.4	209.5
105°	125.3	136.6	148.1	159.4	170.7	205.8	241.0	276.0	310.8	345.9	380.9
107.5°	249.3	269.1	289.1	308.9	328.8	361.8	394.7	427.7	460.7	493.5	526.2
110°	380.1	396.9	414.4	431.5	448.7	474.6	500.9	526.9	553.0	579.0	605.0



TEST NUMBER: P1444611
 CATALOG NUMBER: EHBR1-42-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	457.3	467.7	478.2	488.3	498.8	518.0	537.2	556.3	575.4	594.2	613.2
115°	479.4	484.6	490.2	495.5	501.1	512.6	523.9	535.3	546.8	558.0	569.5
117.5°	468.8	470.8	472.8	474.2	476.2	481.9	487.7	493.4	499.2	504.9	510.6
120°	439.6	439.2	438.9	438.4	438.1	439.6	441.3	442.7	444.4	446.0	447.3
122.5°	406.2	404.5	403.0	401.4	399.8	398.6	397.8	396.6	395.9	394.8	393.7
125°	375.1	373.5	371.9	370.0	368.3	366.2	364.1	362.1	359.9	357.7	355.6
127.5°	349.4	347.7	346.4	344.6	342.9	340.5	338.2	335.7	333.5	331.0	328.7
130°	328.8	327.4	326.4	324.6	323.6	321.1	319.1	317.0	314.8	312.6	310.4
132.5°	315.1	314.0	313.2	311.8	310.8	308.6	306.9	304.6	302.6	300.6	298.7
135°	305.4	304.6	304.0	302.9	302.1	300.3	298.7	296.9	295.4	293.6	292.0
137.5°	297.8	297.2	296.8	296.3	295.7	294.0	292.7	291.1	289.9	288.2	286.9
140°	294.1	293.7	293.2	292.6	292.0	290.6	289.1	287.6	286.2	284.7	283.3
142.5°	289.7	289.4	289.0	288.4	287.9	286.5	285.6	284.4	283.2	281.9	280.8
145°	287.1	286.9	286.7	286.2	286.1	284.8	283.6	282.2	281.1	279.8	278.6
147.5°	284.5	284.3	284.3	284.0	284.0	282.8	282.0	280.8	279.9	278.9	278.0
150°	283.0	282.9	282.9	282.6	282.4	281.4	280.6	279.7	278.9	277.7	276.9
152.5°	281.5	281.6	281.7	281.7	281.8	281.0	280.0	279.2	278.3	277.3	276.4
155°	281.0	281.1	281.3	281.3	281.3	280.6	279.9	279.0	278.2	277.4	276.6
157.5°	280.9	281.2	281.4	281.6	281.7	281.1	280.4	279.9	279.2	278.5	277.8
160°	281.8	282.2	282.5	282.6	282.9	282.3	282.1	281.2	281.0	280.1	279.6
162.5°	283.7	284.1	284.4	284.5	284.8	284.2	283.9	283.3	282.8	282.0	281.5
165°	284.9	285.0	285.3	285.3	285.5	285.1	284.9	284.5	284.1	283.7	283.3
167.5°	287.7	287.8	288.1	288.1	288.3	288.0	288.1	287.7	287.4	287.1	286.8
170°	289.4	289.5	289.7	289.7	289.9	289.6	289.4	289.2	289.2	288.6	288.3
172.5°	290.4	290.4	290.5	290.6	290.5	290.3	290.3	290.1	290.0	289.9	289.7
175°	290.8	290.8	290.8	290.8	290.7	290.7	290.6	290.7	290.6	290.6	290.5
177.5°	292.3	292.2	291.9	291.8	291.6	291.5	291.6	291.5	291.6	291.5	291.4
180°	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2



TEST NUMBER: P1444611
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CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4
2.5°	35430.1	35211.3	35182.4	35197.8	35234.3	35247.9	35287.3	35298.1	35337.9	35347.6	35385.7
5°	36161.2	35871.9	35886.4	35955.9	36061.2	36124.0	36227.4	36281.5	36380.4	36425.2	36514.5
7.5°	36932.1	36704.9	36775.7	36893.0	37037.0	37136.7	37261.0	37341.9	37449.1	37515.6	37601.3
10°	37310.6	37248.3	37326.3	37418.5	37500.7	37565.0	37617.7	37659.9	37687.5	37713.4	37724.7
12.5°	37022.5	37118.8	37132.1	37123.2	37068.7	37027.2	36933.9	36870.5	36757.9	36689.3	36555.4
15°	35954.7	36166.5	36049.2	35871.7	35611.9	35395.3	35089.4	34861.8	34543.2	34327.2	34007.6
17.5°	34080.8	34348.1	34042.5	33631.7	33109.2	32662.1	32105.5	31663.6	31110.0	30707.5	30190.9
20°	31442.7	31692.5	31147.6	30466.5	29658.2	28977.9	28175.7	27535.5	26790.0	26235.5	25566.2
22.5°	28158.1	28336.0	27568.2	26650.2	25620.4	24770.4	23811.2	23043.9	22193.0	21559.0	20845.4
25°	24524.2	24572.2	23651.3	22593.7	21445.8	20490.6	19466.6	18659.8	17792.0	17149.5	16449.1
27.5°	20856.5	20786.1	19790.7	18669.3	17461.9	16469.0	15470.2	14714.1	13954.2	13375.4	12772.1
30°	17394.7	17224.2	16190.6	15038.0	13865.9	12976.1	12147.0	11539.7	10935.2	10476.0	9991.7
32.5°	14220.2	13979.6	12973.5	11893.6	10906.0	10219.3	9604.5	9145.1	8656.8	8269.0	7862.5
35°	11408.3	11152.0	10260.8	9345.2	8597.8	8091.6	7608.3	7231.4	6816.9	6489.7	6136.7
37.5°	8995.1	8785.1	8038.5	7318.1	6752.8	6360.4	5964.5	5656.5	5313.9	5169.9	4792.7
40°	6944.2	6797.4	6213.6	5682.6	5258.0	5073.8	4671.8	4384.1	4128.0	3916.9	3712.5
42.5°	5416.6	5364.6	4796.6	4382.3	4083.4	3851.2	3627.3	3445.4	3268.4	3122.9	2985.4
45°	3975.0	3933.8	3681.7	3442.6	3238.9	3076.6	2925.2	2800.1	2684.4	2588.5	2501.3
47.5°	3095.3	3082.2	2936.9	2788.7	2660.3	2556.1	2457.8	2374.8	2297.9	2233.9	2213.1
50°	2517.6	2515.8	2430.6	2339.1	2247.7	2187.4	2124.8	2075.7	2026.3	1987.9	1947.4
52.5°	2139.1	2129.8	2072.3	2015.8	1961.5	1921.9	1881.8	1850.5	1817.8	1794.1	1768.9
55°	1841.6	1851.3	1818.0	1784.3	1750.3	1725.7	1697.6	1676.8	1654.5	1639.5	1624.3
57.5°	1634.8	1647.8	1630.3	1611.1	1590.5	1574.3	1554.9	1540.6	1525.7	1516.1	1507.3
60°	1484.5	1498.6	1491.6	1482.0	1469.2	1459.6	1447.2	1439.2	1429.6	1424.3	1419.3
62.5°	1357.0	1374.5	1372.0	1367.5	1359.3	1354.0	1347.2	1343.7	1337.3	1335.0	1332.7
65°	1229.7	1249.5	1249.1	1246.9	1242.3	1240.7	1236.6	1235.8	1232.6	1233.8	1233.5
67.5°	1129.6	1146.8	1150.5	1153.3	1153.2	1154.2	1153.8	1155.5	1155.5	1158.0	1159.6
70°	1057.3	1069.3	1072.2	1075.1	1075.9	1078.1	1078.1	1079.6	1079.2	1081.3	1081.6
72.5°	984.3	1000.1	1003.0	1005.3	1005.3	1007.5	1006.3	1006.0	1002.8	1002.2	1000.0
75°	893.5	913.7	918.1	921.0	921.4	923.3	920.6	918.9	913.7	911.6	907.9
77.5°	798.6	819.6	822.7	823.7	822.1	822.5	816.7	812.8	806.2	803.4	800.0
80°	675.1	706.0	708.4	706.5	701.6	700.9	695.3	691.6	683.7	680.9	678.0
82.5°	513.7	549.9	555.0	557.1	553.3	554.2	548.9	546.7	539.5	538.2	533.4
85°	324.3	360.5	366.5	365.6	361.7	360.8	357.6	358.7	358.0	360.0	361.1
87.5°	149.0	184.1	192.5	189.8	189.4	186.9	181.3	183.4	186.7	189.0	189.1
90°	37.7	49.7	51.0	50.7	47.1	46.3	42.9	42.8	39.9	39.6	36.9
92.5°	44.6	47.1	49.5	47.3	45.2	43.0	40.9	38.6	36.5	34.3	32.2
95°	55.4	58.7	62.3	59.4	56.3	53.4	50.6	47.6	44.8	41.9	39.0
97.5°	62.4	66.3	70.2	67.4	64.4	61.5	58.5	55.7	52.7	49.8	46.9
100°	105.3	114.4	123.8	115.5	107.3	99.0	90.9	82.5	74.4	66.1	57.8
102.5°	232.5	255.3	278.3	257.4	236.5	215.6	194.9	174.0	153.2	132.2	111.5
105°	415.7	450.3	485.0	453.0	421.2	389.4	357.5	325.8	293.9	262.1	230.3
107.5°	559.1	591.1	623.6	594.8	565.9	537.1	508.1	479.4	450.6	421.6	392.9
110°	631.0	655.8	681.5	661.9	642.5	622.9	603.4	584.0	564.6	545.3	526.0



TEST NUMBER: P1444611
 CATALOG NUMBER: EHBR1-42-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	632.2	649.6	668.1	656.5	645.0	633.3	621.8	610.2	598.9	587.2	576.0
115°	580.6	590.2	601.0	595.9	591.2	586.3	581.4	576.7	571.9	567.1	562.6
117.5°	516.1	519.6	524.5	523.0	521.9	520.3	519.2	517.9	516.9	515.6	514.6
120°	448.7	447.8	448.6	448.4	448.5	448.5	448.6	448.5	448.6	448.8	449.1
122.5°	392.6	388.9	386.9	386.8	386.6	386.4	386.4	386.2	386.2	386.3	386.4
125°	353.6	348.4	345.4	343.8	342.4	340.9	339.3	337.9	336.5	335.2	333.9
127.5°	326.1	320.6	317.4	314.8	312.3	309.7	307.2	304.5	302.1	299.5	297.2
130°	308.3	302.7	299.6	296.5	293.7	290.5	287.5	284.5	281.3	278.4	275.3
132.5°	296.5	291.0	288.0	285.2	282.4	279.3	276.4	273.4	270.4	267.3	264.5
135°	290.4	284.9	282.3	279.5	277.1	274.3	271.5	268.7	266.1	263.1	260.7
137.5°	285.3	279.9	277.6	275.2	273.2	270.8	268.8	266.3	264.1	261.5	259.4
140°	281.7	276.0	273.7	272.2	270.9	269.1	267.8	266.1	264.7	263.2	261.6
142.5°	279.6	274.0	271.8	270.7	269.8	268.7	267.9	266.7	265.6	264.2	263.2
145°	277.4	271.1	268.9	268.4	268.2	267.7	267.2	266.8	266.3	265.6	265.1
147.5°	276.9	270.4	268.3	268.2	268.1	267.6	267.6	267.3	267.3	266.9	266.8
150°	275.8	268.5	265.9	266.1	266.0	266.1	266.2	266.1	266.4	266.4	266.4
152.5°	275.3	266.7	263.7	263.8	264.1	264.1	264.4	264.6	265.0	265.2	265.4
155°	275.5	266.0	262.9	262.7	262.8	262.8	262.9	263.0	263.2	263.3	263.6
157.5°	276.9	266.9	263.7	263.3	263.3	263.3	263.3	263.3	263.3	263.4	263.8
160°	278.8	268.8	265.6	265.2	265.1	265.0	264.8	264.7	264.8	264.9	265.1
162.5°	280.6	270.9	267.9	267.4	267.1	267.0	267.0	266.6	266.7	266.6	266.9
165°	282.6	274.0	271.1	270.8	270.7	270.5	270.4	270.3	270.4	270.4	270.6
167.5°	286.4	278.6	276.3	275.9	275.5	275.1	275.1	274.6	274.6	274.4	274.4
170°	288.0	281.8	279.9	279.7	279.8	279.7	279.5	279.5	279.4	279.3	279.4
172.5°	289.4	284.9	283.4	283.4	283.6	283.7	283.9	283.9	284.1	284.3	284.5
175°	290.4	287.6	287.0	286.8	286.9	287.0	287.1	287.1	287.2	287.3	287.7
177.5°	291.5	290.8	290.4	290.4	290.4	290.4	290.4	290.4	290.4	290.6	290.6
180°	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2



TEST NUMBER: P1444611
 CATALOG NUMBER: EHBR1-42-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4
2.5°	35392.9	35434.1	35431.0	35469.5	35467.6	35503.9	35496.6	35527.9	35520.9	35547.6	35531.9
5°	36553.8	36632.3	36658.2	36729.1	36743.7	36807.2	36808.4	36858.8	36852.6	36892.1	36871.1
7.5°	37652.1	37725.4	37760.1	37815.2	37842.6	37888.2	37906.0	37943.5	37952.5	37974.6	37973.9
10°	37744.7	37744.4	37761.6	37754.0	37769.3	37760.5	37779.2	37772.4	37800.1	37793.1	37814.0
12.5°	36497.6	36373.9	36328.7	36217.5	36193.2	36097.8	36104.5	36043.3	36072.9	36035.3	36099.3
15°	33817.4	33530.3	33388.4	33138.7	33060.4	32863.1	32847.1	32716.1	32751.4	32682.9	32783.1
17.5°	29856.6	29404.7	29156.6	28792.1	28647.3	28368.3	28312.3	28143.7	28169.8	28084.8	28205.8
20°	25134.4	24588.2	24275.3	23853.7	23665.7	23333.0	23244.8	23056.0	23079.7	22995.1	23132.1
22.5°	20358.4	19786.6	19433.4	18991.6	18751.4	18438.5	18344.6	18155.1	18165.9	18086.4	18218.1
25°	15969.4	15421.2	15078.4	14676.9	14468.6	14181.7	14083.0	13912.8	13922.4	13857.0	13975.2
27.5°	12353.4	11903.6	11616.8	11280.4	11093.6	10857.7	10761.5	10618.4	10618.0	10570.0	10668.7
30°	9653.5	9278.2	9020.7	8727.6	8552.2	8339.4	8246.5	8118.4	8112.8	8078.7	8157.2
32.5°	7558.5	7224.7	6989.7	6731.9	6574.4	6391.8	6303.9	6200.8	6191.5	6160.7	6225.1
35°	5875.8	5594.7	5392.6	5175.5	5191.5	4922.1	4966.9	4757.6	4700.9	4688.5	4736.4
37.5°	4541.3	4323.6	4159.5	3996.9	3886.8	3772.8	3711.5	3656.5	3650.2	3644.9	3678.5
40°	3554.6	3402.2	3282.9	3171.3	3095.6	3026.0	2987.7	2957.4	2950.3	2946.2	2966.6
42.5°	2876.9	2774.1	2697.1	2629.1	2583.0	2545.3	2524.2	2507.4	2501.8	2502.0	2513.9
45°	2430.6	2368.3	2318.7	2276.3	2247.0	2259.8	2221.8	2241.8	2215.4	2242.6	2224.7
47.5°	2140.5	2087.4	2056.7	2026.7	2009.0	1994.6	1995.1	1995.4	2001.0	2001.9	2007.8
50°	1916.6	1885.9	1864.6	1845.4	1836.2	1828.6	1831.3	1833.2	1838.6	1839.0	1843.3
52.5°	1750.9	1730.8	1717.9	1706.0	1701.9	1697.6	1699.4	1698.7	1701.1	1699.8	1703.3
55°	1616.1	1606.6	1602.6	1598.2	1598.8	1597.7	1598.4	1594.1	1591.5	1588.2	1591.3
57.5°	1505.4	1504.2	1506.9	1508.8	1513.8	1515.7	1516.8	1511.8	1507.2	1502.9	1505.3
60°	1420.3	1422.3	1429.1	1434.5	1441.8	1445.2	1447.3	1444.4	1441.1	1437.6	1439.6
62.5°	1336.2	1339.4	1347.5	1353.6	1362.4	1367.0	1372.0	1372.3	1373.6	1372.3	1373.7
65°	1238.6	1242.6	1249.9	1255.0	1263.1	1267.1	1272.3	1273.3	1276.2	1275.5	1277.9
67.5°	1164.4	1168.0	1174.1	1178.9	1186.2	1190.4	1194.9	1195.2	1196.2	1196.0	1198.3
70°	1085.2	1087.0	1092.5	1096.5	1103.8	1108.1	1113.3	1114.9	1118.1	1118.6	1121.3
72.5°	1000.8	1000.1	1003.4	1005.2	1010.7	1014.0	1020.7	1024.3	1029.7	1031.2	1033.2
75°	909.0	908.2	912.1	913.7	918.3	921.8	929.1	934.0	942.4	945.9	945.1
77.5°	802.6	804.5	811.8	815.8	822.1	826.3	836.0	843.7	859.1	865.9	859.0
80°	683.7	685.6	693.2	696.9	705.2	710.4	721.2	730.1	744.1	747.1	743.2
82.5°	537.5	538.1	544.8	547.7	558.3	566.0	579.7	586.8	595.5	594.2	593.1
85°	366.5	371.5	379.9	388.4	401.4	413.9	426.8	437.4	429.9	441.7	428.5
87.5°	195.9	195.4	206.8	205.0	223.2	233.8	245.0	250.3	256.3	255.1	255.2
90°	37.1	35.1	35.8	33.4	35.1	32.3	35.0	32.6	35.8	32.6	37.8
92.5°	30.0	28.9	27.6	26.5	25.2	24.3	23.0	21.8	20.6	19.4	20.6
95°	36.1	35.1	34.0	32.8	31.7	30.6	29.6	28.5	27.4	26.3	27.7
97.5°	44.0	43.4	42.7	42.1	41.5	40.9	40.2	39.6	38.7	38.1	39.0
100°	49.5	49.5	49.5	49.5	49.3	49.3	49.3	49.3	49.3	49.3	50.0
102.5°	90.7	88.6	86.5	84.3	82.2	80.1	78.0	75.9	73.9	71.8	74.8
105°	198.5	190.4	182.2	174.1	165.8	157.8	149.6	141.4	133.4	125.2	133.6
107.5°	364.3	349.3	334.5	319.6	304.8	290.0	275.2	260.4	245.7	230.8	244.1
110°	506.6	490.7	474.8	459.1	443.3	427.6	411.9	396.2	380.4	364.7	377.4



TEST NUMBER: P1444611
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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°	564.6	554.1	543.9	533.7	523.4	513.3	503.1	493.0	482.9	472.8	478.9
115°	557.9	552.9	547.9	543.0	538.1	533.0	528.1	523.4	518.5	513.7	514.1
117.5°	513.4	511.5	509.8	507.9	506.2	504.5	502.9	501.4	499.7	498.3	494.9
120°	449.5	449.5	449.7	450.0	450.4	450.9	451.1	451.7	452.3	452.9	448.3
122.5°	386.5	387.2	388.1	389.0	390.0	391.0	392.2	393.5	394.9	396.3	391.6
125°	332.5	333.2	334.0	334.7	335.4	336.6	337.8	339.1	340.3	341.8	338.0
127.5°	294.8	294.6	294.4	294.5	294.5	294.8	295.3	295.7	296.4	297.1	294.7
130°	272.4	271.4	270.3	269.5	268.6	268.2	267.7	267.3	267.0	266.9	266.0
132.5°	261.5	259.9	258.2	256.8	255.3	254.2	252.9	252.2	251.4	250.8	250.5
135°	257.7	255.7	253.7	251.9	250.0	248.6	247.0	246.0	244.8	243.8	244.3
137.5°	257.1	255.2	253.0	251.4	249.5	248.0	246.5	245.2	244.1	243.2	243.9
140°	259.9	257.9	256.0	254.2	252.6	251.2	249.7	248.6	247.2	246.6	246.9
142.5°	262.0	260.4	258.5	257.1	255.4	254.0	252.8	251.9	250.6	250.0	250.5
145°	264.5	263.3	261.9	260.7	259.6	258.7	257.6	257.0	256.2	255.9	256.1
147.5°	266.4	265.5	264.4	263.5	262.6	262.0	261.2	260.7	260.2	259.9	260.0
150°	266.5	265.9	265.2	264.7	264.0	263.7	263.3	263.0	262.7	262.6	262.6
152.5°	265.7	265.3	264.7	264.3	263.8	263.6	263.3	263.2	263.0	262.9	262.9
155°	263.8	263.6	263.4	263.4	263.3	263.5	263.3	263.5	263.4	263.6	263.7
157.5°	263.9	264.0	263.9	264.2	264.3	264.5	264.6	265.0	265.0	265.5	265.7
160°	265.5	265.5	265.5	265.8	265.8	265.9	266.1	266.4	266.6	266.8	267.2
162.5°	267.0	267.4	267.5	267.7	268.1	268.4	268.8	269.2	269.5	270.0	270.4
165°	270.8	270.9	270.9	270.9	271.2	271.4	271.5	272.0	272.1	272.6	273.1
167.5°	274.3	274.4	274.4	274.6	274.8	275.1	275.3	275.8	276.2	276.8	277.2
170°	279.2	279.2	279.2	279.2	279.2	279.5	279.6	279.7	279.9	280.2	280.4
172.5°	284.5	284.5	284.3	284.5	284.3	284.5	284.5	284.7	284.7	284.8	284.9
175°	287.5	287.9	288.0	288.2	288.2	288.3	288.4	288.5	288.6	288.8	288.8
177.5°	290.6	290.7	290.7	290.7	290.7	290.8	290.8	290.8	290.8	290.7	290.8
180°	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2



TEST NUMBER: P1444611
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CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4
2.5°	35558.0	35540.2	35558.4	35539.9	35558.4	35536.3	35551.3	35527.3	35533.4	35508.6	35515.0
5°	36902.5	36874.1	36889.3	36852.4	36856.3	36807.2	36806.2	36748.9	36733.9	36668.7	36640.0
7.5°	37989.7	37980.5	37985.7	37961.9	37959.3	37925.7	37909.7	37862.2	37832.5	37772.4	37731.5
10°	37817.6	37845.3	37852.5	37880.8	37886.6	37914.6	37920.5	37948.5	37954.3	37975.0	37975.3
12.5°	36096.4	36190.5	36213.0	36329.2	36378.1	36511.2	36582.5	36729.1	36816.1	36962.3	37052.0
15°	32780.3	32943.2	33008.1	33235.1	33360.6	33625.7	33792.1	34096.5	34311.2	34634.4	34864.8
17.5°	28216.5	28444.0	28546.7	28854.5	29055.3	29446.4	29728.4	30192.4	30547.6	31063.2	31471.9
20°	23155.5	23408.4	23547.8	23898.9	24136.0	24592.9	24944.9	25515.1	25990.5	26643.9	27202.6
22.5°	18259.4	18500.0	18654.8	19012.1	19278.9	19755.5	20148.9	20750.6	21283.4	22019.6	22689.6
25°	14019.8	14240.3	14380.2	14703.3	14953.9	15391.9	15767.5	16346.3	16867.6	17606.1	18293.0
27.5°	10717.9	10902.6	11037.5	11313.0	11534.0	11905.5	12228.1	12706.5	13155.6	13794.5	14406.2
30°	8205.5	8369.2	8500.4	8740.4	8945.3	9267.3	9551.0	9952.8	10324.5	10832.9	11319.5
32.5°	6270.4	6411.3	6528.2	6738.2	6924.2	7214.1	7469.7	7821.9	8140.9	8572.1	8972.5
35°	4780.9	5058.2	5038.6	5328.4	5374.9	5583.1	5811.1	6119.0	6401.6	6768.2	7108.9
37.5°	3710.8	3788.7	3872.3	4000.4	4135.0	4324.3	4516.9	4893.2	5031.2	5308.3	5590.3
40°	2992.3	3045.1	3100.3	3186.8	3281.0	3414.4	3554.8	3734.2	3918.1	4142.8	4372.2
42.5°	2529.8	2559.6	2594.7	2645.6	2703.6	2788.3	2882.1	3003.8	3131.7	3289.8	3451.2
45°	2260.2	2246.1	2256.5	2283.8	2318.8	2370.2	2429.5	2504.8	2588.1	2690.6	2799.6
47.5°	2009.0	2014.7	2017.8	2032.6	2051.3	2085.9	2121.7	2172.9	2271.7	2301.8	2361.2
50°	1843.0	1845.7	1844.8	1852.4	1861.8	1884.2	1907.5	1942.2	1976.7	2022.6	2066.3
52.5°	1703.9	1707.7	1707.2	1712.2	1717.2	1731.5	1746.1	1770.6	1793.2	1822.4	1847.6
55°	1593.9	1599.3	1601.4	1605.5	1608.1	1615.5	1621.3	1633.0	1642.7	1659.2	1674.4
57.5°	1509.5	1516.8	1520.2	1521.6	1518.6	1518.2	1516.2	1518.8	1520.7	1529.6	1538.1
60°	1443.0	1448.9	1449.7	1448.9	1443.4	1439.5	1433.2	1431.3	1430.3	1434.5	1439.2
62.5°	1373.4	1375.5	1374.0	1372.3	1366.1	1362.3	1355.8	1353.5	1351.2	1354.3	1356.7
65°	1277.1	1278.9	1277.1	1276.0	1270.4	1267.4	1261.9	1260.2	1257.0	1257.8	1257.3
67.5°	1198.9	1200.6	1199.3	1197.8	1193.9	1192.1	1188.1	1185.4	1181.7	1180.2	1177.7
70°	1120.9	1122.4	1120.1	1118.6	1114.2	1112.5	1108.8	1108.0	1105.0	1104.4	1101.3
72.5°	1031.2	1031.3	1028.2	1027.3	1024.0	1023.9	1022.4	1023.8	1023.6	1025.2	1024.5
75°	939.5	938.2	934.2	933.6	931.1	932.3	930.6	932.8	933.1	936.4	936.8
77.5°	847.5	842.7	835.3	831.8	826.9	826.2	823.3	825.3	824.6	828.6	830.1
80°	731.5	725.6	716.1	711.6	705.7	704.8	702.1	704.8	703.5	708.0	711.3
82.5°	584.0	579.0	569.0	565.4	558.6	559.3	556.4	559.3	558.9	565.6	569.5
85°	432.0	428.6	418.5	409.4	399.4	393.6	387.9	386.8	385.2	387.9	390.2
87.5°	249.5	246.4	238.4	233.2	215.7	216.4	209.5	209.1	207.5	205.9	209.5
90°	36.2	40.6	39.3	43.1	42.3	47.0	46.6	50.8	49.6	53.7	53.3
92.5°	21.8	23.0	24.2	25.2	26.4	27.6	28.8	30.0	32.5	34.7	37.5
95°	29.1	30.4	31.7	33.1	34.5	35.8	37.1	38.5	42.2	45.9	49.6
97.5°	40.1	40.9	41.7	42.6	43.5	44.5	45.4	46.3	50.4	54.4	58.3
100°	50.8	51.5	52.2	52.9	53.6	54.3	55.1	55.8	63.7	71.3	79.0
102.5°	77.9	81.0	84.1	87.1	90.4	93.5	96.6	99.6	117.3	134.9	152.4
105°	142.0	150.4	158.9	167.3	175.7	184.1	192.6	201.0	229.4	257.5	285.8
107.5°	257.4	270.6	283.9	297.2	310.5	323.9	337.1	350.6	378.1	405.8	433.4
110°	390.0	402.7	415.3	428.1	440.7	453.5	466.2	479.2	495.8	512.4	529.1



TEST NUMBER: P1444611
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CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	485.1	491.2	497.6	503.8	510.1	516.5	522.8	529.2	537.7	546.0	554.6
115°	514.5	514.9	515.6	516.0	516.7	517.2	518.0	518.6	521.6	524.4	527.5
117.5°	491.5	488.2	485.0	481.8	478.7	475.7	472.7	469.8	469.6	469.3	469.4
120°	444.1	439.8	435.3	430.9	426.8	422.7	418.7	414.7	412.9	411.2	409.6
122.5°	387.2	382.9	378.7	374.5	370.4	366.5	362.7	358.8	357.8	356.9	356.0
125°	334.3	330.8	327.3	324.1	320.9	317.8	314.8	311.9	312.5	313.0	313.7
127.5°	292.6	290.7	288.7	286.9	285.4	283.8	282.3	280.8	282.7	284.4	286.2
130°	265.2	264.5	264.1	263.5	263.5	263.3	263.1	263.0	265.7	268.0	270.7
132.5°	250.9	251.0	251.4	251.9	252.5	253.1	254.2	254.8	257.7	260.3	263.3
135°	244.8	245.4	246.4	247.1	248.4	249.5	250.9	252.0	254.9	257.4	260.2
137.5°	244.7	245.4	246.5	247.5	249.0	250.1	251.8	253.0	255.3	257.6	259.8
140°	247.7	248.2	249.3	250.3	251.5	252.4	253.9	255.1	257.2	258.9	260.8
142.5°	251.3	251.8	252.7	253.6	254.7	255.7	257.0	257.9	259.4	260.8	262.6
145°	256.8	257.2	258.0	258.7	259.6	260.5	261.5	262.4	263.5	264.4	265.6
147.5°	260.6	261.0	261.6	262.3	263.1	263.6	264.3	265.0	266.0	266.8	267.7
150°	263.1	263.3	263.7	264.1	264.8	265.3	266.0	266.5	267.2	267.9	268.7
152.5°	263.4	263.5	264.0	264.4	264.9	265.4	265.8	266.4	267.1	267.6	268.4
155°	264.1	264.7	265.2	265.6	266.3	266.5	267.2	267.6	268.2	268.8	269.3
157.5°	266.3	266.5	267.2	267.5	268.1	268.5	268.9	269.3	270.0	270.4	270.9
160°	267.8	268.4	268.8	269.4	270.0	270.5	271.1	271.7	272.3	272.7	273.2
162.5°	271.0	271.5	272.0	272.4	272.9	273.5	273.9	274.4	275.1	275.4	276.2
165°	273.7	274.2	274.9	275.2	276.0	276.6	277.1	277.7	278.1	278.7	279.1
167.5°	277.8	278.2	279.0	279.4	279.9	280.4	281.0	281.5	282.0	282.3	282.8
170°	280.9	281.4	281.9	282.3	282.8	283.2	283.8	284.2	284.8	285.1	285.7
172.5°	285.3	285.5	285.9	286.0	286.4	286.9	287.3	287.5	288.0	288.4	288.7
175°	288.8	288.8	288.9	289.1	289.2	289.2	289.3	289.6	289.7	289.9	290.0
177.5°	290.9	291.0	291.0	291.1	291.2	291.3	291.4	291.5	291.5	291.5	291.5
180°	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2



TEST NUMBER: P1444611
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CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4
2.5°	35490.1	35491.7	35463.0	35461.4	35434.6	35431.3	35405.1	35397.2	35376.0	35368.3	35346.7
5°	36566.9	36532.0	36451.4	36404.0	36324.4	36271.6	36185.5	36129.3	36046.1	35983.4	35899.7
7.5°	37655.8	37601.7	37511.3	37438.0	37327.5	37239.3	37110.0	37004.0	36864.0	36742.8	36595.8
10°	37975.3	37966.9	37943.8	37910.3	37858.9	37801.1	37713.1	37621.4	37498.6	37365.4	37201.8
12.5°	37189.4	37274.2	37389.9	37458.5	37542.0	37578.5	37612.7	37604.2	37581.7	37514.2	37419.7
15°	35198.7	35437.2	35752.9	35997.6	36279.1	36483.7	36709.6	36850.5	36990.8	37055.7	37095.4
17.5°	32031.9	32483.5	33049.6	33518.8	34060.1	34495.0	34971.6	35330.4	35699.3	35963.8	36202.9
20°	27964.3	28618.4	29419.1	30126.5	30949.0	31663.8	32447.1	33090.2	33753.3	34271.9	34762.6
22.5°	23552.2	24329.1	25297.2	26193.9	27254.3	28207.3	29282.4	30218.2	31195.3	32011.7	32800.8
25°	19213.7	20065.7	21124.2	22124.6	23325.6	24434.1	25709.3	26875.5	28138.4	29234.8	30317.9
27.5°	15251.9	16088.4	17169.1	18234.1	19504.0	20685.2	22051.5	23336.4	24774.3	26100.3	27456.8
30°	11995.8	12705.3	13674.3	14705.9	15958.3	17160.3	18541.3	19862.8	21358.8	22806.5	24334.5
32.5°	9503.9	10044.4	10806.2	11678.5	12834.2	13978.3	15293.4	16569.1	18042.2	19504.7	21093.7
35°	7547.8	7969.4	8550.2	9231.0	10209.6	11195.9	12359.0	13519.2	14893.5	16281.4	17825.9
37.5°	5951.9	6293.9	6748.8	7260.2	8045.2	8854.6	9808.3	10770.2	11964.3	13194.6	14594.3
40°	4647.7	4924.8	5278.9	5660.2	6252.9	6876.6	7614.2	8360.1	9319.5	10324.9	11483.4
42.5°	3651.2	3855.5	4105.6	4384.3	4937.3	5268.5	5768.6	6308.1	7013.5	7743.3	8614.3
45°	2932.2	3071.6	3245.1	3432.0	3688.7	3969.5	4312.1	4671.3	5341.3	5670.0	6199.7
47.5°	2448.7	2542.2	2652.6	2770.4	2921.8	3085.1	3288.3	3496.0	3764.7	4043.1	4369.5
50°	2123.1	2218.2	2256.1	2317.1	2404.7	2498.0	2612.6	2727.1	2871.2	3017.2	3185.2
52.5°	1881.4	1912.3	1953.6	1992.4	2046.7	2152.9	2187.2	2247.1	2327.9	2406.9	2495.2
55°	1696.8	1717.0	1743.7	1767.2	1800.0	1831.4	1876.6	1916.5	1970.4	2018.0	2076.6
57.5°	1553.1	1566.0	1584.6	1599.9	1621.2	1638.9	1665.5	1687.1	1718.0	1744.9	1780.5
60°	1448.8	1457.3	1469.8	1479.8	1493.4	1502.6	1515.8	1525.9	1542.3	1555.9	1575.8
62.5°	1363.5	1367.9	1376.1	1382.0	1390.5	1395.2	1402.3	1406.7	1415.7	1422.5	1433.6
65°	1261.1	1262.2	1267.7	1270.2	1277.0	1279.4	1285.1	1287.2	1294.6	1299.8	1309.5
67.5°	1177.4	1175.0	1175.2	1173.2	1174.1	1172.2	1172.6	1170.6	1173.6	1175.2	1182.6
70°	1100.8	1097.6	1096.5	1093.0	1092.0	1088.4	1087.3	1084.0	1083.6	1082.6	1085.2
72.5°	1026.3	1025.3	1025.6	1023.1	1022.8	1020.4	1020.5	1019.0	1020.7	1021.5	1024.8
75°	940.5	940.7	942.4	940.2	940.8	938.8	939.5	937.6	938.7	938.3	941.6
77.5°	836.1	838.6	843.1	842.2	843.7	841.3	842.3	839.7	840.4	838.6	839.8
80°	718.7	723.9	730.0	729.7	732.4	730.7	733.0	730.4	731.5	728.4	727.6
82.5°	579.3	583.8	590.3	590.5	596.2	597.2	603.6	603.4	607.4	604.8	603.0
85°	396.1	399.0	404.8	407.9	413.7	417.4	423.6	426.0	421.6	429.6	423.3
87.5°	206.8	214.5	210.2	220.2	217.9	228.0	225.8	235.2	233.4	241.4	240.4
90°	58.7	58.9	64.6	65.2	72.2	73.6	78.3	76.5	81.0	79.6	84.1
92.5°	39.8	42.5	45.1	47.6	50.1	52.7	50.3	47.9	45.7	43.4	41.0
95°	53.3	57.0	60.7	64.4	68.1	71.8	67.9	63.9	60.0	56.0	52.1
97.5°	62.4	66.3	70.3	74.3	78.4	82.3	77.6	72.9	68.3	63.7	58.9
100°	86.6	94.6	102.3	109.9	117.7	125.3	116.7	108.0	99.4	90.7	81.8
102.5°	170.2	187.9	205.7	223.4	241.0	258.6	240.3	221.9	203.2	184.9	166.3
105°	314.1	342.4	370.6	399.0	427.2	455.8	425.7	395.8	365.8	335.9	305.8
107.5°	461.1	488.6	516.4	544.0	571.7	599.5	569.2	538.7	508.5	478.0	447.6
110°	545.9	562.6	579.3	596.2	612.9	629.8	607.6	585.6	563.6	541.5	519.3



TEST NUMBER: P1444611
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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°	563.0	571.8	580.2	589.0	597.4	606.2	590.5	574.9	559.2	543.6	527.9
115°	530.5	533.5	536.5	539.7	542.6	545.8	535.3	524.9	514.5	504.1	493.5
117.5°	469.4	469.5	469.3	469.7	469.4	469.5	464.0	458.4	452.7	446.9	441.2
120°	407.8	406.3	404.6	403.0	401.3	399.5	397.5	395.5	393.2	391.0	388.8
122.5°	355.0	354.3	353.3	352.4	351.4	350.4	349.9	349.5	348.9	348.4	347.7
125°	314.3	314.9	315.5	316.2	316.7	317.3	317.3	317.4	317.3	317.4	317.3
127.5°	287.8	289.7	291.2	293.0	294.4	296.2	296.5	297.0	297.3	297.7	298.1
130°	273.0	275.6	278.0	280.2	282.4	285.1	285.3	285.5	285.8	286.1	286.4
132.5°	266.0	268.7	271.2	274.1	276.5	279.1	279.4	279.7	279.7	280.1	280.2
135°	262.8	265.3	267.7	270.4	272.6	275.1	275.2	275.5	275.4	275.8	275.9
137.5°	261.8	264.2	266.2	268.4	270.1	272.3	272.3	272.6	272.5	272.8	272.8
140°	262.5	264.4	265.9	267.8	269.4	271.1	271.0	271.1	270.8	270.9	270.6
142.5°	263.9	265.4	266.6	268.2	269.4	270.8	270.2	269.9	269.6	269.3	268.9
145°	266.7	267.8	268.8	269.8	270.4	271.6	270.9	270.5	269.7	269.3	268.8
147.5°	268.4	269.1	269.6	270.5	270.9	271.8	271.1	270.5	269.9	269.2	268.6
150°	269.1	269.9	270.4	271.1	271.6	272.3	271.5	270.8	270.0	269.3	268.6
152.5°	268.9	269.4	269.9	270.4	270.9	271.4	270.6	270.1	269.2	268.5	267.6
155°	269.6	270.3	270.5	271.1	271.2	271.6	270.8	270.4	269.6	268.9	268.2
157.5°	271.3	271.9	272.3	272.5	272.8	273.2	272.7	272.3	271.7	271.2	270.6
160°	273.6	274.0	274.4	274.6	275.0	275.1	274.6	274.5	274.1	273.6	273.0
162.5°	276.6	277.1	277.5	277.8	278.3	278.7	278.2	277.8	277.3	276.8	276.1
165°	279.5	279.9	280.2	280.6	280.7	281.1	280.7	280.6	280.1	279.9	279.5
167.5°	283.1	283.6	283.9	284.3	284.4	284.7	284.3	284.3	283.8	283.6	283.1
170°	285.9	286.2	286.7	287.0	287.3	287.5	287.4	287.2	286.8	286.5	286.2
172.5°	289.1	289.4	289.5	289.8	289.9	290.3	290.0	289.7	289.4	289.0	288.7
175°	290.0	290.1	290.4	290.4	290.4	290.5	290.2	289.9	289.7	289.4	289.1
177.5°	291.5	291.5	291.5	291.4	291.4	291.4	291.2	291.0	290.9	290.7	290.4
180°	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2



TEST NUMBER: P1444611
 CATALOG NUMBER: EHBR1-42-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4	35118.4
2.5°	35338.9	35323.6	35313.7	35301.1	35293.5	35283.6	35276.5	35270.4	35265.5	35260.9	35257.5
5°	35835.9	35756.9	35695.6	35629.2	35574.7	35520.3	35478.4	35443.7	35419.7	35401.7	35391.0
7.5°	36468.6	36324.0	36195.4	36060.0	35938.7	35819.4	35716.5	35627.9	35561.4	35518.3	35492.2
10°	37033.6	36840.1	36648.6	36447.1	36256.0	36070.7	35899.7	35749.2	35630.2	35551.0	35504.8
12.5°	37286.9	37122.0	36926.5	36707.6	36473.6	36236.6	36005.7	35797.5	35622.7	35505.4	35437.8
15°	37063.8	36996.0	36863.4	36693.6	36471.4	36226.5	35955.4	35700.5	35466.1	35314.1	35226.0
17.5°	36338.2	36432.7	36422.5	36357.6	36197.8	35991.7	35715.4	35429.2	35135.9	34932.8	34821.8
20°	35113.7	35410.7	35561.4	35638.7	35576.0	35442.4	35192.2	34901.6	34559.9	34294.7	34132.7
22.5°	33392.9	33917.3	34244.1	34483.3	34534.0	34488.5	34267.6	33991.3	33610.3	33291.4	33052.3
25°	31177.7	31946.1	32462.4	32867.4	33024.6	33065.3	32877.3	32602.5	32177.9	31806.4	31478.0
27.5°	28568.6	29566.9	30256.3	30800.4	31046.0	31152.5	30979.5	30699.1	30196.8	29753.3	29324.4
30°	25631.2	26815.5	27645.7	28298.1	28597.5	28738.1	28554.3	28241.5	27656.8	27123.3	26582.8
32.5°	22487.2	23783.2	24687.9	25396.3	25693.0	25825.4	25584.9	25233.6	24557.7	23929.1	23299.0
35°	19195.5	20503.6	21416.0	22105.6	22354.1	22434.0	22126.5	21720.3	20971.6	20281.7	19594.5
37.5°	15836.8	17053.8	17883.0	18501.9	18655.7	18669.5	18299.1	17850.5	17063.6	16383.2	15699.2
40°	12507.1	13533.4	14203.0	14698.3	14751.7	14704.0	14301.3	13849.8	13113.7	12504.2	11903.6
42.5°	9370.6	10145.5	10623.0	10962.5	10942.4	10848.3	10479.0	10090.8	9483.6	9019.4	8546.7
45°	6683.6	7194.5	7473.8	7672.4	7608.6	7518.9	7231.5	6959.5	6546.8	6247.0	5929.3
47.5°	4643.2	5253.2	5147.0	5535.4	5200.8	5421.8	4961.6	4707.9	4488.8	4329.5	4150.0
50°	3324.1	3463.9	3531.5	3577.6	3553.0	3519.1	3436.4	3362.5	3262.4	3189.6	3104.5
52.5°	2567.2	2637.0	2675.3	2703.0	2697.5	2685.2	2649.1	2616.2	2569.3	2538.5	2501.3
55°	2174.5	2175.6	2245.9	2215.7	2260.3	2208.1	2228.6	2170.7	2180.1	2130.4	2096.9
57.5°	1806.9	1835.6	1848.5	1860.9	1857.4	1855.2	1841.3	1834.2	1818.5	1813.7	1802.5
60°	1589.4	1604.4	1607.5	1613.3	1608.4	1606.6	1595.7	1591.8	1581.3	1579.3	1571.8
62.5°	1440.3	1448.0	1448.0	1448.0	1441.7	1435.7	1423.6	1417.2	1408.3	1406.3	1402.0
65°	1315.9	1323.8	1325.1	1326.8	1322.2	1317.5	1306.8	1299.9	1290.7	1287.2	1282.3
67.5°	1187.4	1195.8	1198.7	1203.0	1200.4	1199.5	1192.2	1189.4	1183.4	1181.9	1177.4
70°	1086.5	1090.0	1089.7	1089.6	1083.9	1078.8	1070.4	1066.4	1060.0	1058.7	1054.5
72.5°	1026.5	1029.0	1027.5	1025.2	1017.8	1010.3	1000.4	993.1	984.7	979.5	973.6
75°	942.0	945.3	943.2	941.8	935.1	930.2	922.3	918.2	912.3	910.7	906.6
77.5°	838.3	839.8	836.5	836.1	831.0	827.9	821.9	820.9	816.6	816.7	812.8
80°	722.9	722.0	716.5	715.5	710.4	709.1	704.4	704.7	701.2	702.7	700.0
82.5°	594.8	591.5	584.4	582.3	576.4	575.9	572.8	575.4	573.4	576.4	574.6
85°	426.2	427.2	424.0	424.0	422.4	422.9	422.6	424.5	424.8	427.7	427.6
87.5°	237.6	241.1	240.4	243.5	243.4	246.9	248.0	253.2	253.9	258.7	258.7
90°	82.5	87.6	86.0	91.2	90.8	96.2	96.7	102.2	102.0	106.7	105.4
92.5°	38.6	36.3	34.1	31.6	30.5	29.0	28.4	26.6	25.7	24.3	23.1
95°	48.0	44.1	40.1	36.1	34.8	33.3	32.0	30.6	29.3	27.9	26.6
97.5°	54.2	49.6	44.9	40.2	39.0	37.8	36.5	35.4	34.2	33.0	31.8
100°	73.1	64.3	55.7	46.9	45.9	44.9	43.9	42.9	41.8	40.7	39.7
102.5°	147.8	129.2	110.6	92.0	88.5	85.0	81.5	77.9	74.4	70.8	67.4
105°	275.7	245.7	215.6	185.5	175.9	166.3	156.8	147.1	137.5	128.0	118.5
107.5°	417.1	386.5	356.0	325.4	307.9	290.3	272.6	254.7	237.2	219.3	201.7
110°	497.2	475.0	452.8	430.4	416.4	402.1	387.9	373.7	359.5	345.1	330.8



TEST NUMBER: P1444611
 CATALOG NUMBER: EHBR1-42-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	512.0	496.2	480.3	464.3	458.1	451.7	445.5	439.0	432.5	425.9	419.5
115°	483.0	472.4	461.7	451.0	449.0	446.7	444.8	442.4	440.3	437.9	435.6
117.5°	435.5	429.7	423.9	418.1	418.5	419.1	419.7	420.1	420.6	420.9	421.2
120°	386.4	384.3	382.0	379.7	382.0	384.1	386.4	388.3	390.5	392.2	394.1
122.5°	347.2	346.4	346.0	345.1	347.9	350.6	353.1	355.7	358.1	360.3	362.6
125°	317.4	317.2	317.2	316.9	319.8	322.5	325.2	327.6	330.1	332.3	334.6
127.5°	298.6	298.9	299.4	299.6	302.0	303.7	305.8	307.6	309.4	310.9	312.6
130°	286.6	286.8	287.2	287.4	289.5	291.3	293.4	295.0	296.6	297.9	299.4
132.5°	280.6	280.7	280.9	281.0	282.8	284.2	285.8	286.9	288.2	289.0	290.1
135°	276.1	276.0	276.3	276.3	277.9	279.5	280.8	281.9	283.2	283.9	284.7
137.5°	273.1	273.0	273.1	273.1	274.5	275.9	277.2	278.3	279.3	280.1	280.7
140°	270.8	270.5	270.6	270.4	271.8	272.9	274.2	275.0	276.1	276.6	277.4
142.5°	268.7	268.1	268.0	267.5	268.5	269.3	270.2	271.0	271.7	272.2	272.6
145°	268.3	267.5	267.1	266.4	267.3	268.0	268.7	269.3	269.7	270.0	270.4
147.5°	268.2	267.3	266.6	265.9	266.8	267.3	267.7	268.1	268.6	268.8	268.9
150°	267.8	266.8	266.0	265.2	265.6	266.0	266.3	266.8	267.0	267.1	267.3
152.5°	266.7	265.9	265.0	264.0	264.3	264.5	264.7	264.8	264.9	265.0	265.0
155°	267.6	266.7	265.9	264.9	265.3	265.3	265.4	265.5	265.3	265.3	265.2
157.5°	269.9	269.1	268.7	267.9	267.8	267.8	267.8	267.4	267.2	266.9	266.6
160°	272.7	271.9	271.4	270.7	270.5	270.4	270.4	269.9	269.8	269.3	269.0
162.5°	275.5	274.9	274.2	273.5	273.3	273.3	273.1	272.7	272.4	272.0	271.7
165°	279.2	278.5	278.1	277.4	277.3	277.0	276.9	276.3	276.1	275.5	275.1
167.5°	282.7	282.2	281.6	280.9	280.8	280.8	280.6	280.3	280.1	279.7	279.6
170°	285.8	285.4	285.1	284.6	284.3	284.2	283.9	283.6	283.2	283.0	282.6
172.5°	288.2	287.8	287.4	286.7	286.7	286.6	286.3	286.2	285.8	285.5	285.5
175°	288.7	288.5	287.9	287.6	287.5	287.4	287.2	287.1	286.8	286.7	286.4
177.5°	290.2	290.0	289.6	289.4	289.2	289.2	289.1	289.0	289.0	288.8	288.7
180°	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2



TEST NUMBER: P1444611
 CATALOG NUMBER: EHBR1-42-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	35118.4	35118.4
2.5°	35254.4	35252.6
5°	35385.4	35383.3
7.5°	35485.1	35484.5
10°	35496.9	35503.0
12.5°	35426.1	35431.0
15°	35219.2	35228.9
17.5°	34823.8	34836.5
20°	34142.6	34155.8
22.5°	33039.4	33044.9
25°	31435.6	31412.8
27.5°	29249.0	29209.8
30°	26469.4	26431.4
32.5°	23155.3	23131.6
35°	19424.7	19409.7
37.5°	15497.0	15466.6
40°	11684.1	11595.3
42.5°	8339.8	8184.0
45°	5763.5	5578.9
47.5°	4023.5	3909.4
50°	3049.8	3012.9
52.5°	2485.0	2476.4
55°	2096.8	2092.9
57.5°	1804.9	1803.7
60°	1575.8	1575.4
62.5°	1404.9	1405.5
65°	1284.5	1284.7
67.5°	1178.5	1177.8
70°	1056.0	1055.2
72.5°	971.8	970.3
75°	906.6	905.8
77.5°	814.0	812.5
80°	701.7	700.0
82.5°	577.2	575.1
85°	430.5	430.6
87.5°	263.4	263.3
90°	109.8	108.0
92.5°	22.2	21.3
95°	25.2	23.9
97.5°	30.6	29.5
100°	38.7	37.7
102.5°	63.8	60.3
105°	108.8	99.3
107.5°	184.0	166.3
110°	316.6	302.3



TEST NUMBER: P1444611
CATALOG NUMBER: EHBR1-42-UNV-TA-L850-UPL15

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	412.9	406.5
115°	433.1	430.7
117.5°	421.4	421.5
120°	395.7	397.4
122.5°	364.5	366.5
125°	336.5	338.5
127.5°	313.6	314.8
130°	300.1	301.3
132.5°	290.6	291.0
135°	285.1	285.5
137.5°	281.0	281.4
140°	277.5	277.8
142.5°	272.8	272.9
145°	270.5	270.6
147.5°	268.6	268.7
150°	267.1	267.0
152.5°	264.7	264.7
155°	264.9	264.7
157.5°	266.1	265.8
160°	268.6	268.3
162.5°	271.1	270.8
165°	274.5	274.0
167.5°	279.0	278.8
170°	282.2	281.9
172.5°	285.1	284.8
175°	286.3	286.2
177.5°	288.7	288.4
180°	290.2	290.2

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-4

Test Date: 07/31/2025

Luminaire Tested: EHBR-60-L850-N

Data in this report applies to families of products including EHBR-60-L850-N

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-4
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 08/05/2025
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: Metalux
 Catalog Number: **EHBR-60-L850-N**
 Description: Elevate Round Highbay at, 60000 lumens, 5000K 80CRI LEDs with N lens

Spectral Parameters

CCT (K): 4875
 CIE u': 0.2124
 CIE v': 0.4871
 Duv: 0.0005
 CIE x: 0.3488
 CIE y: 0.3555
 CIE z: 0.2957
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 573
 Purity: 11.33556
 Rf: 80
 Rg: 102.3

CRI (Ra):	82.3		
R1:	85.0	R9:	43.9
R2:	83.1	R10:	57.4
R3:	78.8	R11:	83.1
R4:	84.0	R12:	51.0
R5:	83.0	R13:	83.4
R6:	76.3	R14:	87.4
R7:	86.8	R15:	83.4
R8:	81.7		



Test Conditions

Stabilization Time: 39M
 Operation Time: 1H 39M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-4

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

REPORT NUMBER: SP1-2506-472-4

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-4

Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	89	NR	620	280	NR	750	6	NR	880	0	NR
365	0	NR	495	121	NR	625	280	NR	755	5	NR	885	0	NR
370	0	NR	500	168	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	224	NR	635	626	NR	765	4	NR	895	0	NR
380	1	NR	510	275	NR	640	163	NR	770	4	NR	900	0	NR
385	2	NR	515	321	NR	645	160	NR	775	3	NR	905	0	NR
390	3	NR	520	354	NR	650	136	NR	780	3	NR	910	0	NR
395	5	NR	525	375	NR	655	111	NR	785	2	NR	915	0	NR
400	7	NR	530	388	NR	660	93	NR	790	2	NR	920	0	NR
405	10	NR	535	395	NR	665	76	NR	795	2	NR	925	0	NR
410	15	NR	540	397	NR	670	72	NR	800	2	NR	930	0	NR
415	28	NR	545	398	NR	675	57	NR	805	1	NR	935	0	NR
420	53	NR	550	396	NR	680	49	NR	810	1	NR	940	0	NR
425	97	NR	555	395	NR	685	42	NR	815	1	NR	945	0	NR
430	163	NR	560	392	NR	690	37	NR	820	1	NR	950	0	NR
435	261	NR	565	388	NR	695	32	NR	825	1	NR	955	0	NR
440	409	NR	570	381	NR	700	27	NR	830	1	NR	960	0	NR
445	637	NR	575	374	NR	705	23	NR	835	1	NR	965	0	NR
450	699	NR	580	365	NR	710	20	NR	840	1	NR	970	0	NR
455	436	NR	585	354	NR	715	17	NR	845	0	NR	975	0	NR
460	274	NR	590	342	NR	720	15	NR	850	0	NR	980	0	NR
465	205	NR	595	325	NR	725	13	NR	855	0	NR	985	0	NR
470	130	NR	600	313	NR	730	11	NR	860	0	NR	990	0	NR
475	90	NR	605	301	NR	735	10	NR	865	0	NR	995	0	NR
480	78	NR	610	323	NR	740	8	NR	870	0	NR	1000	0	NR
485	77	NR	615	340	NR	745	7	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-4

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.82

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	89	NR	620	280	NR	750	6	NR	880	0	NR
365	0	NR	495	121	NR	625	280	NR	755	5	NR	885	0	NR
370	0	NR	500	168	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	224	NR	635	626	NR	765	4	NR	895	0	NR
380	1	NR	510	275	NR	640	163	NR	770	4	NR	900	0	NR
385	2	NR	515	321	NR	645	160	NR	775	3	NR	905	0	NR
390	3	NR	520	354	NR	650	136	NR	780	3	NR	910	0	NR
395	5	NR	525	375	NR	655	111	NR	785	2	NR	915	0	NR
400	7	NR	530	388	NR	660	93	NR	790	2	NR	920	0	NR
405	10	NR	535	395	NR	665	76	NR	795	2	NR	925	0	NR
410	15	NR	540	397	NR	670	72	NR	800	2	NR	930	0	NR
415	28	NR	545	398	NR	675	57	NR	805	1	NR	935	0	NR
420	53	NR	550	396	NR	680	49	NR	810	1	NR	940	0	NR
425	97	NR	555	395	NR	685	42	NR	815	1	NR	945	0	NR
430	163	NR	560	392	NR	690	37	NR	820	1	NR	950	0	NR
435	261	NR	565	388	NR	695	32	NR	825	1	NR	955	0	NR
440	409	NR	570	381	NR	700	27	NR	830	1	NR	960	0	NR
445	637	NR	575	374	NR	705	23	NR	835	1	NR	965	0	NR
450	699	NR	580	365	NR	710	20	NR	840	1	NR	970	0	NR
455	436	NR	585	354	NR	715	17	NR	845	0	NR	975	0	NR
460	274	NR	590	342	NR	720	15	NR	850	0	NR	980	0	NR
465	205	NR	595	325	NR	725	13	NR	855	0	NR	985	0	NR
470	130	NR	600	313	NR	730	11	NR	860	0	NR	990	0	NR
475	90	NR	605	301	NR	735	10	NR	865	0	NR	995	0	NR
480	78	NR	610	323	NR	740	8	NR	870	0	NR	1000	0	NR
485	77	NR	615	340	NR	745	7	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.71

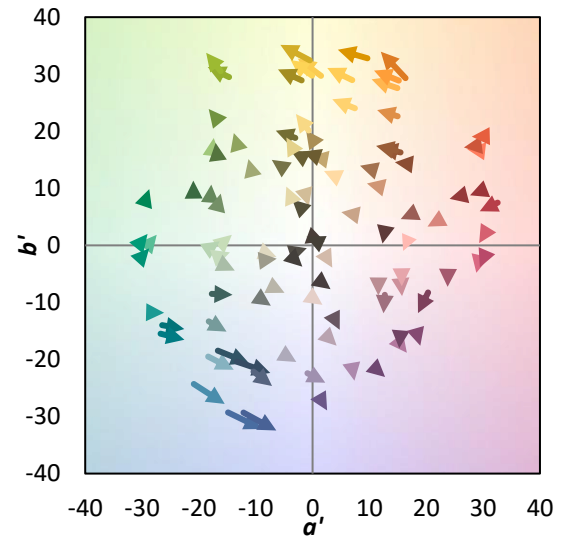
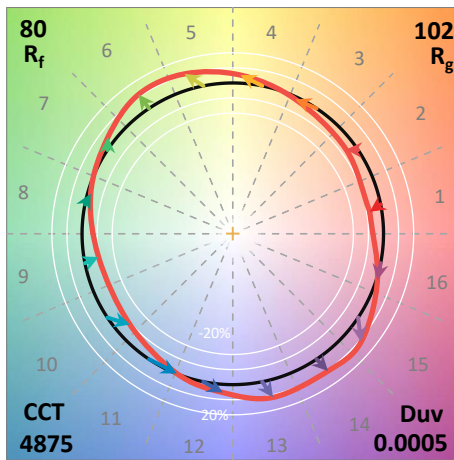
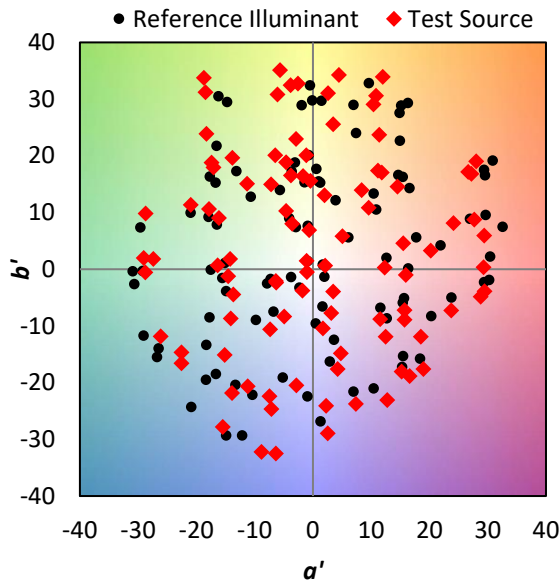
λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)
360	0	NR	490	89	NR	620	280	NR	750	6	NR	880	0	NR
365	0	NR	495	121	NR	625	280	NR	755	5	NR	885	0	NR
370	0	NR	500	168	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	224	NR	635	626	NR	765	4	NR	895	0	NR
380	1	NR	510	275	NR	640	163	NR	770	4	NR	900	0	NR
385	2	NR	515	321	NR	645	160	NR	775	3	NR	905	0	NR
390	3	NR	520	354	NR	650	136	NR	780	3	NR	910	0	NR
395	5	NR	525	375	NR	655	111	NR	785	2	NR	915	0	NR
400	7	NR	530	388	NR	660	93	NR	790	2	NR	920	0	NR
405	10	NR	535	395	NR	665	76	NR	795	2	NR	925	0	NR
410	15	NR	540	397	NR	670	72	NR	800	2	NR	930	0	NR
415	28	NR	545	398	NR	675	57	NR	805	1	NR	935	0	NR
420	53	NR	550	396	NR	680	49	NR	810	1	NR	940	0	NR
425	97	NR	555	395	NR	685	42	NR	815	1	NR	945	0	NR
430	163	NR	560	392	NR	690	37	NR	820	1	NR	950	0	NR
435	261	NR	565	388	NR	695	32	NR	825	1	NR	955	0	NR
440	409	NR	570	381	NR	700	27	NR	830	1	NR	960	0	NR
445	637	NR	575	374	NR	705	23	NR	835	1	NR	965	0	NR
450	699	NR	580	365	NR	710	20	NR	840	1	NR	970	0	NR
455	436	NR	585	354	NR	715	17	NR	845	0	NR	975	0	NR
460	274	NR	590	342	NR	720	15	NR	850	0	NR	980	0	NR
465	205	NR	595	325	NR	725	13	NR	855	0	NR	985	0	NR
470	130	NR	600	313	NR	730	11	NR	860	0	NR	990	0	NR
475	90	NR	605	301	NR	735	10	NR	865	0	NR	995	0	NR
480	78	NR	610	323	NR	740	8	NR	870	0	NR	1000	0	NR
485	77	NR	615	340	NR	745	7	NR	875	0	NR			

Summary

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

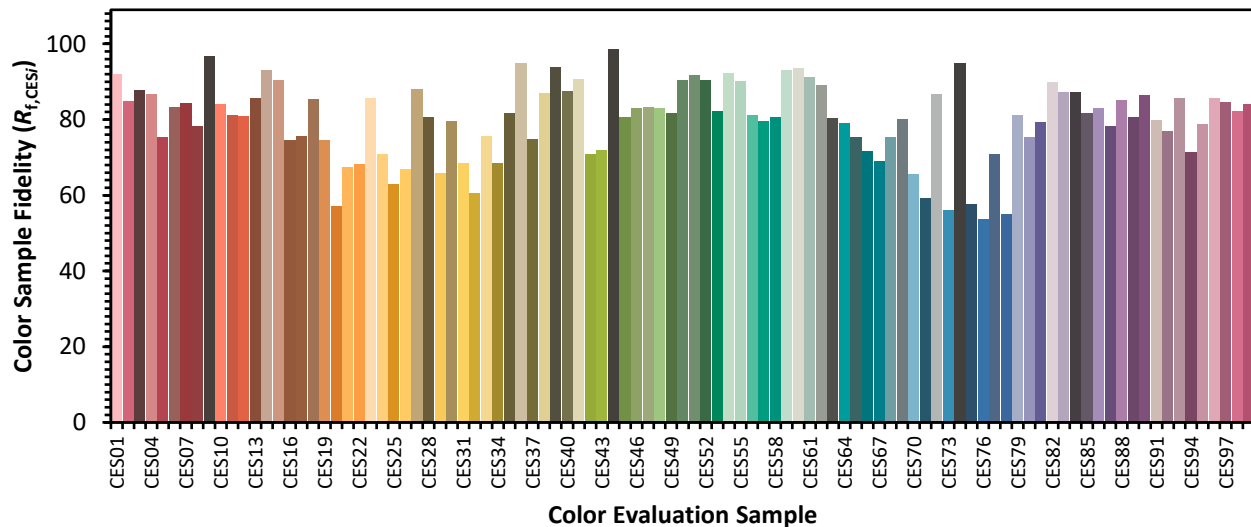


Color Vector Graphics

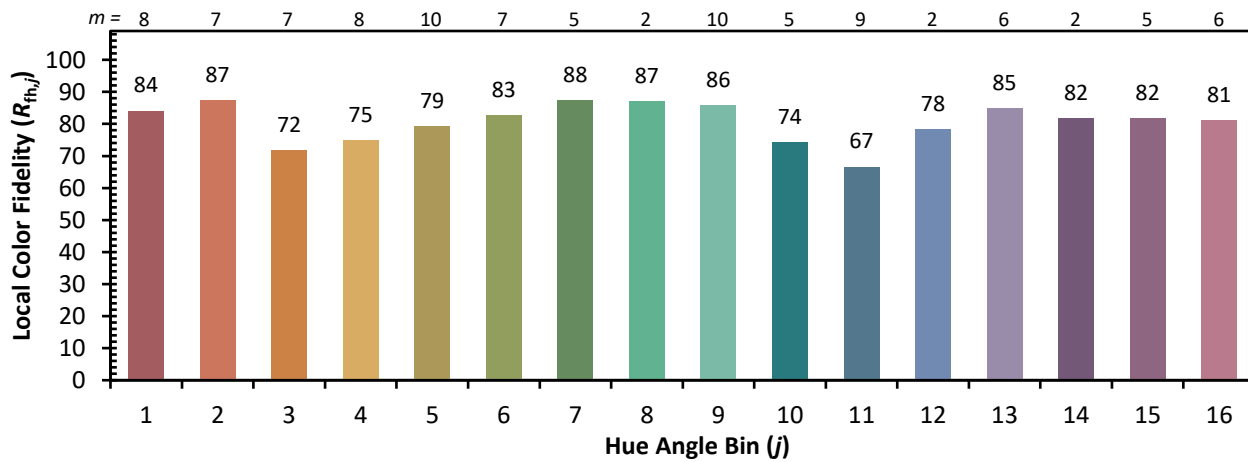
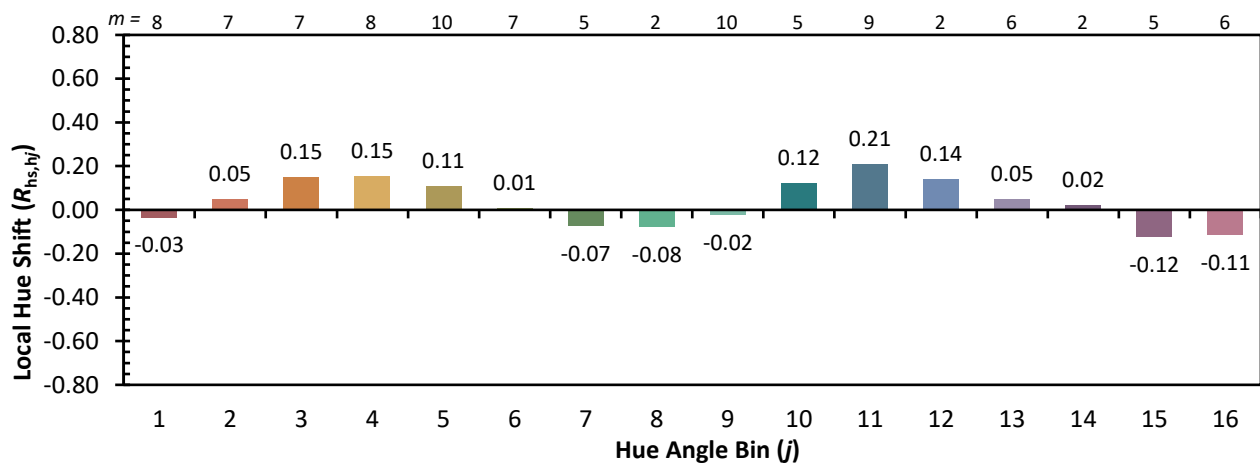
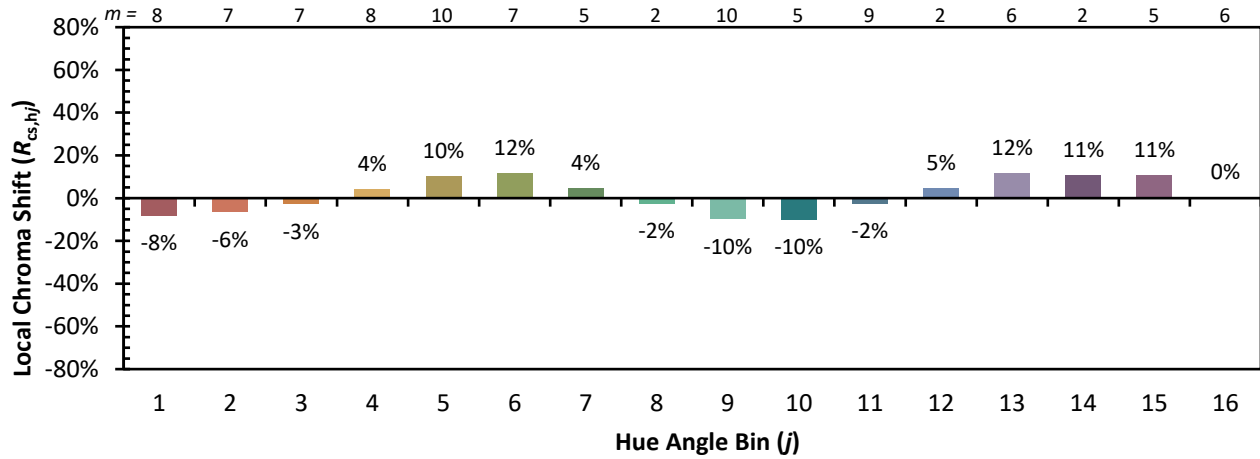


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 67	CES51 = 92	CES76 = 54
CES02 = 60	CES27 = 88	CES52 = 91	CES77 = 71
CES03 = 31	CES28 = 81	CES53 = 82	CES78 = 55
CES04 = 69	CES29 = 66	CES54 = 92	CES79 = 81
CES05 = 47	CES30 = 80	CES55 = 90	CES80 = 75
CES06 = 50	CES31 = 69	CES56 = 81	CES81 = 79
CES07 = 40	CES32 = 61	CES57 = 80	CES82 = 90
CES08 = 39	CES33 = 76	CES58 = 81	CES83 = 87
CES09 = 29	CES34 = 68	CES59 = 93	CES84 = 87
CES10 = 73	CES35 = 82	CES60 = 94	CES85 = 82
CES11 = 56	CES36 = 95	CES61 = 91	CES86 = 83
CES12 = 62	CES37 = 75	CES62 = 89	CES87 = 78
CES13 = 42	CES38 = 87	CES63 = 80	CES88 = 85
CES14 = 74	CES39 = 94	CES64 = 79	CES89 = 81
CES15 = 71	CES40 = 87	CES65 = 75	CES90 = 86
CES16 = 46	CES41 = 91	CES66 = 72	CES91 = 80
CES17 = 48	CES42 = 71	CES67 = 69	CES92 = 77
CES18 = 56	CES43 = 72	CES68 = 75	CES93 = 86
CES19 = 70	CES44 = 99	CES69 = 80	CES94 = 71
CES20 = 65	CES45 = 81	CES70 = 66	CES95 = 79
CES21 = 85	CES46 = 83	CES71 = 59	CES96 = 86
CES22 = 77	CES47 = 83	CES72 = 87	CES97 = 85
CES23 = 91	CES48 = 83	CES73 = 56	CES98 = 82
CES24 = 90	CES49 = 82	CES74 = 95	CES99 = 84
CES25 = 71	CES50 = 91	CES75 = 58	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)