

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: P1444751

Luminaire Tested: EHBR1-36-UNV-TA-L935-UPL36

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444751
REPORT IS A COMBINATION OF REPORTS P1444349 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-36-UNV-TA-L935-UPL36
Description: Elevate Round Highbay at, 36000 lumens, 3500K 90CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

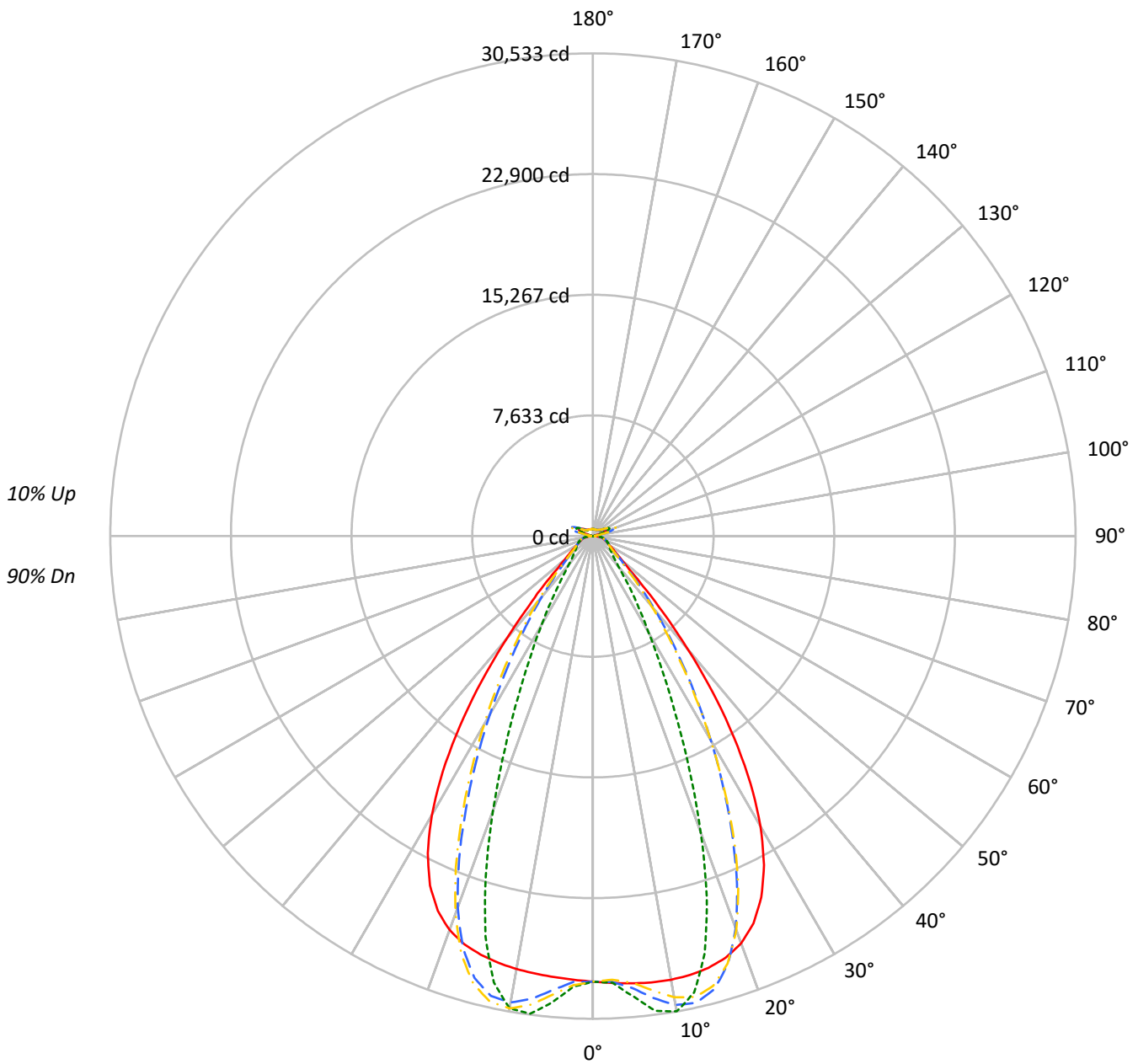
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35967.7 lumens
Efficiency: N/A
Efficacy: 163.6 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): 219.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1444751
CATALOG NUMBER: EHBR1-36-UNV-TA-L935-UPL36

Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	93	93	93	90
1	109	106	103	100	106	103	100	98	97	95	93	92	90	88	87	85	84	84	84	84	82
2	103	97	92	88	99	94	90	86	89	86	83	85	82	79	80	78	76	76	76	76	74
3	96	89	83	78	93	86	81	77	82	78	74	79	75	72	75	72	69	69	69	69	67
4	91	82	75	70	88	80	74	69	76	71	67	73	69	66	70	67	64	64	64	64	62
5	85	76	69	64	83	74	68	63	71	66	62	68	64	60	66	62	59	59	59	59	57
6	80	70	63	58	78	69	62	58	66	61	57	64	59	55	62	57	54	54	54	54	53
7	76	65	59	54	74	64	58	53	62	56	52	60	55	51	58	54	50	50	50	50	49
8	72	61	54	50	70	60	54	49	58	53	49	56	51	48	55	50	47	47	47	47	45
9	68	57	51	46	66	56	50	46	55	49	45	53	48	45	51	47	44	44	44	44	42
10	64	54	47	43	63	53	47	43	51	46	42	50	45	42	49	44	41	41	41	41	40

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	132357	132357	132357	132357
5°	132997	136875	131136	138668
10°	134108	143709	130891	142758
15°	134765	130271	130662	125026
20°	133372	97047	129007	89792
25°	126242	61377	122070	55688
30°	110282	36883	106010	33707
35°	84874	23144	79991	20502
40°	53690	14518	49122	13642
45°	27673	11311	27215	11125
50°	16224	10060	15727	9904
55°	12429	9518	11970	9432
60°	10517	9722	10069	9597
65°	9878	10154	9500	9808
70°	9651	10632	9170	10232
75°	10319	11276	9761	10776
80°	10677	12485	9683	11396
85°	10058	12048	8126	10317

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 42350 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2777.6	7.7
10°-20°	7813.8	21.7
20°-30°	8899.3	24.7
30°-40°	6396.4	17.8
40°-50°	2950.0	8.2
50°-60°	1411.7	3.9
60°-70°	1030.0	2.9
70°-80°	782.5	2.2
80°-90°	361.8	1.0
90°-100°	99.4	0.3
100°-110°	590.1	1.6
110°-120°	1090.4	3.0
120°-130°	662.2	1.8
130°-140°	419.3	1.2
140°-150°	305.9	0.9
150°-160°	209.9	0.6
160°-170°	125.0	0.3
170°-180°	42.4	0.1
0°-30°	19490.7	54.2
0°-40°	25887.1	72.0
0°-60°	30248.8	84.1
0°-90°	32423.2	90.1
90°-120°	1779.8	4.9
90°-150°	3167.2	8.8
90°-180°	3545.0	9.9
0°-180°	35967.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	28184	28184	28184	28184	28184	
5°	28397	29225	28000	29608	28397	2714
15°	28273	27330	27412	26230	28273	7966
25°	25210	12257	24377	11121	25210	11428
35°	15577	4248	14681	3763	15577	9560
45°	4477	1830	4403	1800	4477	3808
55°	1680	1286	1618	1275	1680	1550
65°	1031	1060	992	1024	1031	1030
75°	727	794	688	759	727	756
85°	346	414	279	355	346	325
90°	102	127	36	42	102	62
95°	46	51	46	51	46	44
105°	211	273	140	274	211	280
115°	949	1155	994	1155	949	876
125°	707	748	801	749	707	644
135°	546	491	589	494	546	427
145°	478	469	509	474	478	302
155°	441	445	471	448	441	205
165°	434	435	450	438	434	123
175°	441	446	450	447	441	42
180°	447	447	447	447	447	



TEST NUMBER: P1444751
 CATALOG NUMBER: EHBR1-36-UNV-TA-L935-UPL36

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4
2.5°	28292.1	28289.7	28289.3	28287.3	28286.8	28286.8	28285.9	28283.5	28282.1	28278.9	28275.2
5°	28397.0	28395.7	28396.5	28396.7	28394.7	28390.3	28383.4	28375.0	28364.3	28354.3	28345.4
7.5°	28478.2	28480.1	28482.7	28482.1	28476.0	28465.6	28451.6	28443.6	28448.3	28463.6	28498.8
10°	28493.0	28505.1	28509.9	28508.4	28496.1	28487.2	28490.6	28520.5	28579.9	28659.2	28767.6
12.5°	28435.3	28450.1	28449.6	28444.7	28432.7	28444.9	28488.1	28577.0	28704.4	28860.8	29044.2
15°	28273.0	28292.2	28286.8	28280.5	28272.5	28312.3	28398.7	28553.1	28749.8	28970.4	29196.1
17.5°	27958.1	27981.3	27970.0	27962.8	27956.1	28030.7	28179.1	28405.2	28653.1	28902.5	29116.4
20°	27411.8	27427.3	27400.5	27387.9	27398.5	27544.7	27763.3	28052.0	28313.3	28549.1	28695.4
22.5°	26520.3	26539.6	26489.2	26483.3	26545.6	26770.1	27046.7	27369.4	27614.9	27801.8	27858.1
25°	25210.5	25229.4	25169.5	25205.3	25311.2	25616.9	25946.4	26291.6	26501.1	26639.6	26601.3
27.5°	23442.4	23459.8	23403.0	23476.1	23643.5	24045.3	24433.0	24807.4	24994.1	25091.2	24968.2
30°	21212.6	21248.7	21181.5	21283.6	21539.2	22060.7	22505.0	22924.9	23111.0	23184.8	22993.5
32.5°	18564.2	18615.5	18541.5	18693.4	19050.0	19676.5	20181.1	20650.3	20856.3	20940.6	20724.4
35°	15577.4	15650.9	15565.9	15793.9	16233.7	16931.3	17490.2	18014.0	18257.8	18377.4	18159.6
37.5°	12412.7	12482.9	12436.9	12741.0	13224.0	13947.0	14517.5	15082.6	15357.9	15537.3	15365.5
40°	9305.8	9370.0	9404.8	9752.5	10206.8	10888.4	11436.2	11995.4	12303.4	12528.5	12422.6
42.5°	6568.1	6632.8	6751.0	7086.5	7465.3	8029.5	8498.8	9000.8	9295.1	9535.2	9494.4
45°	4477.4	4552.4	4700.6	4975.3	5249.3	5654.0	5998.6	6389.1	6629.4	6849.4	6852.0
47.5°	3137.5	3190.3	3322.6	3510.2	3688.9	4195.5	4216.3	4408.2	4569.8	4734.2	4755.5
50°	2418.0	2449.8	2520.0	2624.5	2725.8	2857.3	2977.7	3116.7	3216.2	3306.3	3327.9
52.5°	1987.5	2007.6	2043.3	2100.0	2158.7	2230.2	2294.6	2371.0	2425.2	2473.4	2483.5
55°	1679.7	1696.5	1749.6	1760.4	1827.5	1840.5	1869.1	1915.6	1947.1	1976.0	1983.1
57.5°	1447.5	1459.6	1471.0	1495.1	1515.7	1545.8	1570.0	1603.4	1623.2	1644.1	1645.9
60°	1264.3	1273.1	1281.1	1297.9	1311.9	1332.8	1349.5	1372.2	1386.4	1402.1	1403.9
62.5°	1128.0	1134.3	1139.6	1150.7	1160.7	1176.8	1190.0	1209.0	1222.2	1234.3	1237.0
65°	1031.0	1035.7	1039.1	1047.4	1056.2	1069.9	1082.0	1097.4	1107.1	1116.4	1118.4
67.5°	945.2	949.6	953.2	960.8	966.9	977.0	985.1	996.7	1004.0	1011.5	1011.6
70°	846.8	850.9	853.6	860.7	865.6	874.4	880.9	891.3	898.8	907.1	909.1
72.5°	778.7	781.1	784.8	791.2	798.0	807.4	816.1	826.9	836.1	844.6	848.2
75°	726.9	729.7	732.1	737.7	742.4	750.3	756.8	766.7	774.6	783.8	788.3
77.5°	652.1	655.4	657.5	663.0	667.1	674.7	679.5	688.4	694.8	703.2	707.3
80°	561.7	564.8	566.3	571.4	574.7	581.7	586.4	595.0	600.4	608.8	613.7
82.5°	461.6	464.5	465.3	470.3	472.0	477.8	481.3	490.0	496.7	507.5	515.1
85°	345.7	346.7	348.4	347.1	354.1	354.6	362.4	363.9	374.4	377.1	389.0
87.5°	211.4	214.4	216.0	220.8	222.9	227.7	229.2	234.3	237.1	243.0	245.7
90°	102.3	108.0	110.5	117.2	119.5	125.4	127.4	134.1	136.6	143.3	147.3
92.5°	40.0	42.7	45.2	48.2	50.8	54.2	57.2	60.1	62.8	66.1	71.5
95°	45.6	48.7	51.8	54.8	57.9	61.1	64.2	67.2	70.3	73.4	82.4
97.5°	57.4	60.1	62.7	65.4	68.1	70.8	73.4	76.1	78.8	81.4	92.1
100°	74.8	77.0	79.3	81.6	83.8	86.1	88.4	90.6	92.9	95.2	115.0
102.5°	124.2	132.2	140.2	148.3	156.3	164.2	172.3	180.3	188.2	196.3	238.5
105°	210.7	232.5	254.4	276.2	298.0	319.8	341.7	363.3	385.1	406.9	475.6
107.5°	360.7	401.0	441.4	481.7	522.1	562.4	602.8	643.0	683.3	723.4	793.2
110°	667.0	699.3	731.9	764.3	796.8	829.4	861.8	894.0	926.5	958.9	1009.9



TEST NUMBER: P1444751
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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°	899.6	914.3	929.0	943.8	958.4	972.9	987.6	1002.3	1017.0	1031.5	1068.0
115°	949.1	954.3	959.5	964.5	969.8	974.8	980.0	985.1	990.2	995.1	1019.8
117.5°	921.3	920.4	919.6	918.7	917.7	916.8	915.8	914.8	913.9	912.8	926.7
120°	858.8	854.3	850.0	845.3	840.8	836.3	831.7	827.1	822.5	817.8	823.8
122.5°	779.8	774.5	769.3	763.8	758.4	752.9	747.4	741.7	736.3	730.8	733.1
125°	706.8	701.4	696.2	690.6	685.1	679.5	674.0	668.3	662.8	656.9	658.2
127.5°	643.5	639.8	636.1	632.0	628.1	624.1	619.9	615.9	611.9	607.6	608.0
130°	602.4	599.1	595.6	592.1	588.6	584.9	581.1	577.3	573.7	569.8	570.4
132.5°	568.9	566.7	564.3	561.7	559.1	556.2	553.6	550.7	547.9	545.2	545.9
135°	546.5	544.3	542.3	539.8	537.5	534.7	532.2	529.4	526.8	524.0	525.0
137.5°	527.6	525.6	523.6	521.3	519.1	516.6	514.3	511.8	509.4	506.7	507.6
140°	510.3	508.5	506.6	504.6	502.6	500.5	498.1	495.9	493.6	491.1	492.4
142.5°	490.8	489.3	488.0	486.3	484.8	482.8	481.1	479.1	477.4	475.4	477.0
145°	478.1	476.9	475.7	474.4	472.9	471.3	469.8	468.0	466.6	464.9	466.7
147.5°	466.9	465.9	465.1	463.9	463.0	461.4	460.2	458.7	457.5	456.2	457.9
150°	457.2	456.2	455.4	454.3	453.3	452.0	450.8	449.5	448.4	446.9	448.6
152.5°	446.9	445.9	445.2	444.1	443.2	441.7	440.8	439.5	438.4	437.1	438.7
155°	440.7	439.8	438.9	437.9	436.9	435.8	434.7	433.5	432.5	431.2	432.4
157.5°	436.9	436.1	435.5	434.5	433.9	433.0	432.1	431.1	430.3	429.5	430.4
160°	435.2	434.5	433.9	433.0	432.1	431.2	430.5	429.5	428.9	428.0	428.7
162.5°	433.8	433.0	432.1	431.4	430.7	429.7	429.0	428.2	427.4	426.5	427.5
165°	434.0	433.5	433.0	432.5	432.0	431.4	430.9	430.2	429.8	429.1	429.7
167.5°	437.8	437.1	436.5	435.8	435.1	434.4	433.7	433.0	432.4	431.6	432.2
170°	439.0	438.5	438.2	437.8	437.5	437.0	436.8	436.3	435.9	435.5	435.9
172.5°	441.3	440.9	440.7	440.5	440.0	439.8	439.6	439.2	439.0	438.6	439.3
175°	441.3	440.9	440.8	440.7	440.5	440.2	440.1	439.9	439.9	439.6	440.0
177.5°	444.3	444.1	444.1	444.0	444.0	443.9	443.8	443.6	443.6	443.6	443.8
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4
2.5°	28272.5	28269.0	28264.3	28258.4	28253.3	28247.4	28233.2	28229.1	28233.8	28236.9	28243.4
5°	28339.6	28341.6	28342.4	28355.2	28366.3	28394.0	28610.8	28697.0	28763.6	28805.9	28870.2
7.5°	28542.2	28607.4	28671.8	28758.5	28833.3	28934.4	29313.7	29475.2	29590.0	29672.5	29774.1
10°	28885.4	29027.7	29161.1	29317.4	29451.7	29605.6	29958.7	30116.0	30215.4	30287.6	30355.1
12.5°	29231.2	29428.5	29606.8	29780.7	29926.2	30059.5	30183.8	30238.8	30243.5	30245.7	30209.9
15°	29411.3	29599.9	29757.1	29872.1	29957.4	29995.3	29781.4	29669.3	29527.6	29410.7	29218.7
17.5°	29297.6	29410.7	29478.6	29471.9	29436.7	29318.4	28712.8	28379.7	28049.0	27751.0	27360.2
20°	28792.4	28783.7	28724.7	28557.4	28356.0	28042.6	27004.3	26405.3	25826.1	25317.4	24700.3
22.5°	27852.4	27704.5	27498.3	27137.8	26737.2	26189.6	24701.7	23820.6	23014.2	22301.9	21504.0
25°	26490.4	26186.1	25805.8	25233.4	24610.8	23812.4	21978.5	20882.5	19914.4	19074.8	18154.1
27.5°	24747.4	24289.0	23731.7	22939.4	22096.0	21073.1	19039.9	17830.3	16791.1	15890.8	14911.0
30°	22683.8	22087.7	21368.0	20384.6	19367.3	18207.2	16145.0	14919.9	13868.0	12941.9	11961.3
32.5°	20351.7	19653.6	18810.1	17706.5	16606.4	15413.5	13422.0	12236.1	11231.2	10340.4	9452.8
35°	17779.6	17030.9	16138.6	15013.0	13919.4	12759.7	10932.3	9863.0	8975.6	8188.2	7471.5
37.5°	15020.6	14285.4	13437.3	12376.4	11362.4	10311.4	8734.7	7838.7	7094.0	6440.5	5887.1
40°	12152.0	11508.6	10774.8	9857.6	8992.1	8117.0	6822.7	6111.5	5523.8	5025.3	4610.6
42.5°	9318.4	8819.9	8257.1	7532.3	6870.1	6203.6	5207.5	4680.5	4245.2	3886.4	3593.2
45°	6760.9	6427.3	6049.9	5546.0	5087.8	4622.9	3913.9	3543.7	3260.2	3028.8	2833.1
47.5°	4726.1	4532.7	4520.9	4055.3	3719.2	3435.0	2978.2	2744.4	2570.6	2430.4	2306.6
50°	3319.1	3225.4	3109.2	2943.0	2787.1	2626.4	2348.1	2206.7	2104.9	2020.0	1941.7
52.5°	2481.3	2432.7	2370.7	2282.5	2198.0	2107.7	1931.6	1841.6	1809.6	1730.5	1668.5
55°	1981.8	1954.0	1918.7	1866.9	1815.6	1795.0	1644.0	1577.2	1534.9	1503.6	1470.3
57.5°	1646.2	1625.4	1604.6	1569.4	1539.7	1503.6	1423.5	1389.2	1364.1	1345.7	1322.6
60°	1404.2	1391.8	1380.1	1359.5	1343.4	1324.0	1273.1	1253.7	1240.6	1229.5	1214.8
62.5°	1239.3	1233.0	1226.9	1215.9	1207.8	1197.3	1162.5	1153.2	1146.6	1141.1	1132.1
65°	1120.4	1115.8	1112.4	1105.1	1101.1	1094.9	1065.0	1058.8	1054.7	1052.7	1047.4
67.5°	1012.3	1007.5	1005.3	1000.0	998.4	994.5	970.0	966.6	965.2	965.9	964.0
70°	911.1	909.1	910.2	909.4	911.7	912.4	897.5	897.4	899.1	902.2	902.5
72.5°	850.6	850.6	851.7	852.2	854.4	855.5	843.2	842.5	843.2	845.6	845.7
75°	792.9	793.9	797.0	798.0	800.7	801.2	784.9	783.0	783.1	785.3	784.5
77.5°	713.1	716.5	722.5	725.6	730.7	731.6	713.3	711.1	711.2	713.5	711.6
80°	622.6	629.2	638.6	645.2	652.9	656.1	637.2	632.8	628.6	628.0	624.2
82.5°	526.3	534.4	545.8	551.8	560.0	561.8	530.4	524.5	521.0	521.2	517.8
85°	401.9	407.9	418.3	421.5	426.7	426.2	390.4	374.9	379.0	372.7	377.7
87.5°	252.1	255.6	262.1	262.9	265.3	264.8	228.7	221.5	219.4	219.6	217.0
90°	155.2	159.6	167.2	169.4	175.2	176.7	149.5	148.2	143.8	143.5	138.0
92.5°	77.3	82.7	88.3	93.7	99.4	105.0	107.1	111.7	106.2	100.2	94.9
95°	91.4	100.5	109.6	118.6	127.7	136.8	145.8	154.9	146.5	137.9	129.4
97.5°	102.8	113.5	124.1	134.9	145.6	156.3	166.9	177.6	168.6	159.2	150.2
100°	135.0	155.0	174.9	194.9	214.8	234.7	254.8	274.7	257.2	239.5	221.9
102.5°	280.8	323.3	365.6	407.9	450.3	492.8	535.3	577.7	537.5	497.0	456.7
105°	544.3	613.0	681.7	750.2	818.9	887.6	956.5	1025.2	960.9	896.5	832.2
107.5°	862.9	932.6	1002.1	1071.7	1141.5	1211.1	1281.3	1351.0	1288.2	1225.2	1162.5
110°	1060.7	1111.5	1162.5	1213.1	1264.0	1314.8	1366.3	1417.2	1379.4	1341.7	1304.0



TEST NUMBER: P1444751
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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	1104.2	1140.7	1177.0	1213.3	1249.5	1285.9	1323.1	1359.8	1340.7	1321.7	1302.9
115°	1044.3	1068.9	1093.4	1117.9	1142.3	1166.8	1192.5	1217.3	1211.2	1205.1	1199.1
117.5°	940.4	954.0	967.8	981.6	995.1	1008.7	1024.1	1037.9	1038.9	1040.0	1041.3
120°	829.6	835.5	841.3	847.1	852.8	858.5	866.1	872.2	877.3	882.3	887.5
122.5°	735.4	737.6	739.7	742.0	744.2	746.3	750.5	753.2	756.7	760.2	763.9
125°	659.3	660.4	661.5	662.7	663.6	664.8	668.2	669.8	670.0	670.2	670.5
127.5°	608.2	608.5	608.7	609.0	609.1	609.3	612.0	612.8	610.6	608.6	606.4
130°	571.0	571.6	572.2	572.7	573.3	573.9	577.2	578.3	574.6	570.7	567.0
132.5°	546.5	547.3	548.0	549.0	549.6	550.3	553.9	555.3	551.0	546.6	542.3
135°	525.9	526.8	527.8	528.8	529.7	530.7	534.8	536.5	532.5	528.0	523.9
137.5°	508.5	509.4	510.4	511.5	512.5	513.4	518.0	519.7	516.5	512.9	509.7
140°	493.5	494.7	495.9	497.1	498.3	499.7	504.5	506.5	504.1	501.4	498.8
142.5°	478.4	480.2	481.8	483.6	485.2	487.2	492.8	495.3	493.4	491.4	489.5
145°	468.4	470.5	472.3	474.4	476.3	478.5	484.6	487.7	486.5	485.2	484.0
147.5°	459.2	461.1	462.9	464.7	466.5	468.8	475.2	478.0	477.5	476.6	475.8
150°	450.3	452.2	453.9	455.8	457.9	460.0	467.1	470.3	469.7	469.1	468.3
152.5°	440.2	441.8	443.5	445.2	446.9	448.9	457.2	460.5	460.1	459.2	458.7
155°	433.7	434.9	436.1	437.6	438.9	440.5	449.4	452.3	452.1	451.7	451.4
157.5°	431.2	432.0	432.9	433.8	434.9	435.9	444.8	447.9	447.5	447.2	446.9
160°	429.3	430.1	430.6	431.4	432.0	433.0	442.0	444.9	444.6	444.3	443.9
162.5°	428.3	429.4	430.2	431.1	432.0	433.1	442.5	445.6	445.1	444.6	444.0
165°	430.2	430.8	431.2	432.0	432.5	433.1	441.7	444.3	444.1	443.7	443.4
167.5°	432.8	433.4	434.0	434.7	435.3	436.1	444.2	446.7	446.5	446.1	445.8
170°	436.4	436.9	437.4	438.0	438.7	439.4	446.1	448.1	447.8	447.3	446.7
172.5°	439.8	440.6	441.1	441.8	442.5	443.2	448.9	450.8	450.5	450.2	449.5
175°	440.6	440.9	441.5	442.1	442.6	443.0	447.5	449.0	448.9	448.7	448.5
177.5°	444.2	444.6	444.9	445.4	445.7	446.2	448.9	449.8	449.7	449.7	449.6
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



TEST NUMBER: P1444751
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CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4
2.5°	28244.8	28254.7	28256.3	28267.8	28266.9	28280.6	28278.5	28289.7	28283.2	28292.4	28284.6
5°	28908.2	28968.4	28999.8	29058.5	29077.1	29129.7	29144.5	29192.4	29194.4	29232.5	29223.8
7.5°	29846.1	29934.8	29987.4	30060.0	30096.8	30157.3	30183.9	30228.6	30243.0	30278.6	30281.3
10°	30406.2	30449.2	30479.3	30499.6	30518.1	30526.7	30536.9	30534.1	30536.9	30532.9	30541.6
12.5°	30185.9	30123.0	30081.4	30002.7	29957.1	29870.1	29827.3	29743.6	29713.3	29641.4	29631.1
15°	29070.2	28851.1	28696.3	28471.1	28329.6	28108.0	27978.4	27778.5	27687.3	27528.4	27486.7
17.5°	27036.7	26629.9	26315.2	25911.3	25631.1	25253.7	25016.3	24703.9	24532.8	24280.9	24193.6
20°	24185.8	23584.0	23111.8	22549.2	22146.7	21645.0	21324.0	20919.0	20683.9	20374.5	20249.0
22.5°	20838.8	20089.4	19499.7	18835.2	18349.4	17790.5	17405.8	16967.6	16711.8	16375.6	16226.8
25°	17389.0	16562.6	15907.0	15206.8	14693.6	14133.3	13748.6	13318.1	13053.4	12734.3	12586.4
27.5°	14089.5	13253.1	12619.5	11968.5	11497.7	10992.1	10644.9	10269.2	10034.2	9761.8	9622.7
30°	11177.8	10440.1	9900.9	9360.7	8969.1	8558.5	8270.0	7958.5	7752.4	7519.2	7386.6
32.5°	8805.7	8236.2	7813.9	7385.2	7064.7	6721.6	6472.3	6197.5	6011.5	5803.2	5683.1
35°	6974.0	6531.5	6194.7	5841.8	5566.5	5274.2	5054.6	4817.3	4650.5	4471.1	4367.4
37.5°	5510.2	5158.3	4881.1	4588.0	4361.9	4119.8	4038.2	3766.0	3593.1	3449.9	3350.8
40°	4324.5	4044.6	3815.3	3591.1	3406.7	3223.1	3075.6	2930.3	2818.6	2716.3	2645.4
42.5°	3377.0	3174.2	3006.8	2842.6	2708.1	2574.2	2467.6	2367.3	2292.1	2225.2	2179.5
45°	2684.5	2545.2	2428.8	2313.1	2218.2	2128.9	2057.0	1993.1	1944.5	1904.3	1875.8
47.5°	2205.5	2110.0	2027.9	1949.9	1885.4	1826.9	1778.8	1763.1	1710.9	1675.6	1662.3
50°	1874.3	1816.6	1754.3	1696.7	1653.7	1610.9	1579.6	1549.1	1529.5	1513.3	1508.4
52.5°	1627.2	1583.1	1548.5	1511.9	1483.6	1453.0	1431.5	1411.2	1400.5	1391.9	1390.9
55°	1443.4	1412.6	1389.7	1365.2	1348.2	1330.3	1319.2	1308.4	1303.7	1299.4	1299.8
57.5°	1304.4	1283.8	1269.0	1253.0	1243.8	1235.2	1232.4	1229.7	1231.2	1231.8	1234.2
60°	1203.2	1189.7	1180.3	1171.2	1167.4	1164.6	1166.7	1169.2	1174.1	1178.0	1181.6
62.5°	1125.5	1117.9	1113.2	1108.3	1108.0	1108.2	1112.3	1116.4	1122.6	1127.2	1130.6
65°	1045.6	1041.2	1039.7	1036.6	1038.2	1039.1	1044.1	1047.3	1053.4	1057.1	1061.5
67.5°	964.9	963.8	964.8	964.8	967.6	970.0	974.8	978.3	983.5	986.9	990.4
70°	905.2	905.6	907.8	908.2	911.2	912.9	917.1	919.4	924.1	926.9	931.3
72.5°	847.2	846.3	846.8	845.4	846.5	846.1	848.4	849.5	853.5	855.7	860.9
75°	785.5	782.9	782.3	779.4	779.5	777.5	778.5	778.4	781.0	782.1	785.8
77.5°	710.9	706.6	704.4	699.8	699.6	697.9	699.8	700.9	705.5	707.7	711.9
80°	621.7	614.9	611.7	606.2	607.1	606.9	611.5	614.9	620.6	621.7	627.0
82.5°	516.7	509.7	506.4	501.1	502.3	502.5	506.6	507.4	512.3	514.3	520.6
85°	370.0	372.7	365.3	365.8	364.3	367.2	370.0	373.5	377.6	384.4	389.6
87.5°	217.9	217.0	219.6	219.9	223.7	225.6	231.7	235.1	241.9	247.2	256.9
90°	136.4	131.1	131.4	128.3	130.2	127.3	129.2	126.2	128.8	127.7	131.6
92.5°	88.7	83.3	77.2	71.7	65.7	60.4	57.2	54.9	51.8	49.7	46.5
95°	121.0	112.6	104.1	95.6	87.2	78.8	75.7	72.6	69.5	66.4	63.3
97.5°	141.1	132.1	123.0	113.8	104.8	95.7	93.6	91.6	89.5	87.5	85.5
100°	204.3	186.8	169.3	151.6	134.1	116.6	115.0	113.4	111.8	110.1	108.4
102.5°	416.5	376.3	336.2	295.8	255.7	215.4	208.5	201.5	194.4	187.4	180.5
105°	767.7	703.3	639.0	574.6	510.4	446.0	426.9	407.4	388.3	369.1	349.9
107.5°	1099.6	1036.8	974.1	911.4	848.7	786.0	755.6	725.3	694.8	664.5	634.2
110°	1266.1	1228.4	1190.8	1152.9	1115.4	1077.8	1048.8	1020.0	990.8	961.9	933.1



TEST NUMBER: P1444751
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CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	1284.0	1265.1	1246.2	1227.4	1208.8	1189.8	1175.7	1161.6	1147.5	1133.5	1119.1
115°	1193.0	1187.0	1180.9	1175.1	1169.3	1163.3	1162.3	1161.3	1160.2	1159.3	1158.4
117.5°	1042.3	1043.4	1044.4	1045.6	1046.9	1048.1	1055.6	1063.0	1070.6	1078.4	1086.1
120°	892.6	897.6	902.7	908.1	913.1	918.4	928.4	938.6	948.7	959.1	969.3
122.5°	767.4	770.9	774.4	778.1	781.6	785.3	795.3	805.4	815.3	825.6	835.8
125°	670.5	670.7	670.9	671.0	671.2	671.6	679.7	687.9	696.2	704.9	713.1
127.5°	604.2	602.0	599.8	597.6	595.5	593.5	598.2	603.2	608.0	613.0	618.0
130°	563.1	559.3	555.2	551.6	547.5	543.8	545.7	547.5	549.5	551.5	553.7
132.5°	537.6	533.3	528.7	524.1	519.6	515.2	515.0	515.0	514.9	515.1	515.3
135°	519.7	515.4	511.1	506.8	502.4	498.3	497.1	496.0	494.9	493.9	493.0
137.5°	506.4	502.9	499.5	496.2	492.5	489.2	487.4	486.1	484.5	483.3	481.9
140°	495.9	493.3	490.4	487.7	484.9	482.3	480.8	479.7	478.4	477.4	476.2
142.5°	487.3	485.3	483.3	481.4	479.4	477.4	475.9	474.8	473.6	472.6	471.4
145°	482.6	481.4	480.0	478.7	477.4	476.1	474.9	474.0	473.1	472.3	471.6
147.5°	475.0	474.2	473.4	472.5	471.6	470.7	470.0	469.7	468.8	468.4	467.8
150°	467.5	466.8	465.9	465.3	464.4	463.7	463.2	462.9	462.5	462.4	462.0
152.5°	458.0	457.2	456.5	456.0	455.1	454.3	454.0	453.9	453.5	453.3	452.9
155°	450.8	450.4	449.9	449.4	448.8	448.5	448.0	447.5	447.1	446.6	446.1
157.5°	446.5	446.1	445.6	445.2	444.6	444.2	443.7	443.4	442.8	442.5	442.0
160°	443.6	443.2	442.7	442.3	441.8	441.5	440.7	440.3	439.5	438.9	438.3
162.5°	443.4	442.8	442.3	441.7	440.9	440.4	439.9	439.5	439.0	438.7	438.1
165°	442.9	442.6	442.1	441.7	441.4	441.0	440.3	439.8	439.0	438.5	437.8
167.5°	445.5	445.1	444.7	444.4	443.8	443.5	442.9	442.3	441.7	441.1	440.3
170°	446.4	445.7	445.4	444.6	444.2	443.6	443.1	442.4	441.8	441.4	440.7
172.5°	449.2	448.9	448.5	447.9	447.4	446.9	446.5	446.0	445.5	445.0	444.5
175°	448.4	448.3	448.2	447.8	447.7	447.5	447.4	447.3	447.0	446.9	446.6
177.5°	449.6	449.5	449.5	449.4	449.2	449.2	448.9	448.7	448.4	448.1	447.9
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



TEST NUMBER: P1444751
 CATALOG NUMBER: EHBR1-36-UNV-TA-L935-UPL36

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4
2.5°	28292.8	28285.5	28289.0	28275.7	28278.9	28262.9	28261.4	28243.4	28241.6	28224.5	28218.2
5°	29250.7	29234.9	29252.7	29225.0	29230.5	29194.4	29191.4	29144.8	29128.7	29070.4	29045.3
7.5°	30303.6	30297.6	30308.5	30285.3	30284.5	30252.4	30239.0	30197.3	30171.4	30110.2	30071.1
10°	30534.1	30539.6	30530.7	30532.9	30520.4	30516.9	30504.0	30495.9	30475.0	30459.1	30435.6
12.5°	29576.4	29582.1	29545.6	29568.8	29550.5	29593.3	29589.7	29640.1	29647.8	29711.6	29735.8
15°	27362.9	27356.0	27285.9	27330.1	27306.4	27400.2	27421.2	27547.4	27614.9	27776.9	27876.4
17.5°	24019.1	24001.0	23902.3	23956.1	23928.8	24067.0	24113.4	24315.3	24441.2	24702.2	24888.2
20°	20033.1	19998.5	19883.0	19946.0	19917.9	20074.9	20141.2	20385.1	20547.4	20893.2	21139.1
22.5°	15997.6	15943.0	15829.9	15888.7	15862.0	16024.8	16111.0	16355.7	16541.6	16896.6	17183.7
25°	12373.7	12325.1	12215.8	12256.9	12247.0	12384.6	12461.3	12692.8	12875.5	13213.6	13487.7
27.5°	9437.8	9387.1	9288.3	9317.4	9307.5	9424.7	9497.0	9690.4	9847.5	10132.2	10372.8
30°	7223.3	7162.2	7078.3	7094.5	7087.6	7182.6	7250.1	7413.0	7547.6	7788.3	7995.5
32.5°	5536.6	5475.2	5398.2	5405.7	5395.6	5470.1	5525.7	5667.4	5784.8	5989.3	6169.8
35°	4236.3	4308.1	4143.6	4247.8	4139.3	4298.5	4241.3	4329.7	4430.8	4603.1	4753.6
37.5°	3256.7	3206.7	3164.4	3159.8	3159.6	3196.5	3240.0	3325.3	3414.3	3542.7	3675.3
40°	2580.8	2545.7	2518.3	2516.3	2518.3	2544.5	2576.7	2635.6	2700.8	2793.0	2890.5
42.5°	2140.5	2117.2	2100.7	2099.5	2104.8	2123.3	2145.7	2180.7	2223.1	2282.9	2349.7
45°	1852.6	1839.7	1830.4	1830.0	1832.3	1842.0	1854.9	1876.7	1903.6	1940.9	1983.1
47.5°	1650.6	1647.4	1641.7	1641.9	1639.3	1643.3	1644.7	1657.0	1671.3	1699.4	1754.7
50°	1503.5	1503.5	1499.5	1499.3	1495.6	1495.4	1492.3	1497.1	1503.7	1521.2	1538.9
52.5°	1387.2	1386.9	1382.6	1381.7	1377.7	1377.5	1374.8	1376.7	1377.6	1386.4	1397.0
55°	1296.4	1293.7	1288.0	1286.3	1284.7	1287.0	1285.9	1286.1	1284.9	1288.5	1291.7
57.5°	1231.2	1227.6	1222.4	1220.7	1220.4	1223.1	1223.2	1222.2	1217.3	1213.9	1209.3
60°	1179.6	1176.1	1170.3	1168.8	1169.7	1173.4	1173.2	1170.1	1162.8	1156.4	1149.0
62.5°	1128.9	1127.5	1124.6	1124.1	1123.4	1124.0	1121.4	1118.0	1110.9	1104.1	1096.0
65°	1060.9	1061.7	1059.5	1059.8	1057.1	1056.8	1052.8	1049.5	1042.3	1036.1	1027.9
67.5°	990.3	990.9	989.1	989.1	987.7	987.9	985.5	982.5	976.3	971.3	965.0
70°	932.2	933.6	932.6	932.9	931.3	930.6	926.8	923.9	917.6	913.3	907.6
72.5°	862.5	865.6	865.5	866.3	863.7	862.5	858.0	854.3	848.6	845.2	840.6
75°	787.2	791.3	792.5	794.3	790.7	788.9	784.0	781.0	776.3	774.3	771.3
77.5°	713.8	718.4	722.6	726.6	720.8	715.7	709.6	704.9	698.1	695.6	690.9
80°	631.4	639.3	648.8	656.8	646.5	636.1	625.9	618.4	609.5	605.9	600.0
82.5°	523.9	532.0	537.5	542.5	535.4	527.7	517.9	511.3	501.7	498.1	491.3
85°	398.0	408.1	411.4	414.1	409.5	405.4	396.2	383.7	377.7	368.2	363.3
87.5°	261.7	267.8	269.0	269.9	267.1	265.1	259.1	253.3	243.0	235.5	226.2
90°	129.5	131.7	127.6	127.3	125.3	127.4	123.1	122.9	116.1	114.7	108.8
92.5°	44.1	41.1	38.5	35.7	39.0	41.1	44.3	46.5	49.6	51.8	54.9
95°	60.2	57.1	54.0	50.9	53.4	55.9	58.4	60.8	63.4	65.8	68.2
97.5°	83.4	81.3	79.3	77.2	78.7	80.1	81.6	83.0	84.4	85.8	87.4
100°	106.8	105.1	103.5	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9
102.5°	173.5	166.4	159.4	152.4	157.2	161.9	166.7	171.4	176.1	180.8	185.7
105°	330.7	311.6	292.4	273.3	291.8	310.3	328.9	347.4	366.0	384.7	403.3
107.5°	603.8	573.5	543.3	513.0	546.9	580.6	614.4	648.2	681.9	715.7	749.8
110°	904.2	875.3	846.5	817.7	853.5	889.4	925.2	961.1	997.0	1032.9	1068.9



TEST NUMBER: P1444751
 CATALOG NUMBER: EHBR1-36-UNV-TA-L935-UPL36

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	1105.2	1091.1	1077.2	1063.1	1086.2	1109.3	1132.4	1155.7	1178.8	1201.9	1225.0
115°	1157.5	1156.7	1155.8	1155.0	1165.9	1176.9	1187.7	1198.8	1209.8	1220.7	1231.8
117.5°	1093.7	1101.4	1109.3	1117.1	1120.6	1124.0	1127.7	1131.2	1134.9	1138.5	1142.2
120°	979.7	989.9	1000.4	1010.9	1009.5	1008.0	1006.7	1005.2	1004.2	1002.9	1001.8
122.5°	846.1	856.5	867.0	877.4	874.3	871.3	868.3	865.3	862.4	859.6	856.8
125°	721.9	730.4	739.1	747.9	744.8	741.7	738.7	735.9	733.1	730.2	727.7
127.5°	623.4	628.6	634.0	639.4	638.0	636.5	635.3	634.0	633.0	632.0	631.0
130°	555.9	558.2	560.7	563.2	563.6	564.0	564.6	565.4	566.1	566.9	567.9
132.5°	515.8	516.2	516.7	517.2	518.9	520.5	522.5	524.4	526.5	528.5	531.0
135°	492.5	491.8	491.3	490.9	493.3	495.7	498.5	501.1	504.1	507.0	510.2
137.5°	480.8	479.7	478.9	477.9	480.4	482.8	485.5	488.1	491.0	494.0	497.3
140°	475.3	474.3	473.7	472.9	475.4	477.7	480.4	483.1	486.1	489.0	492.0
142.5°	470.7	469.6	468.9	468.3	470.4	472.7	475.2	477.5	480.3	482.8	485.7
145°	470.8	470.1	469.7	469.1	470.7	472.3	474.1	476.0	477.9	479.8	482.1
147.5°	467.3	466.9	466.7	466.4	467.7	468.8	470.1	471.4	472.8	474.4	476.0
150°	462.0	461.7	461.5	461.5	462.2	463.0	463.9	464.6	465.7	466.6	467.8
152.5°	452.9	452.5	452.7	452.6	453.2	453.9	454.7	455.4	456.3	457.2	458.3
155°	445.9	445.6	445.3	445.0	445.2	445.4	445.8	446.0	446.5	446.8	447.4
157.5°	441.7	441.4	441.1	440.7	440.7	440.7	440.7	440.7	441.0	440.8	441.0
160°	437.8	437.0	436.6	436.1	436.3	436.3	436.6	436.6	436.9	437.0	437.4
162.5°	437.8	437.4	437.0	436.7	436.4	436.0	435.9	435.4	435.2	434.9	434.9
165°	437.2	436.5	436.0	435.3	435.3	435.1	435.1	434.9	434.9	434.8	434.9
167.5°	439.8	439.2	438.6	438.0	437.6	437.0	436.7	436.1	435.8	435.3	435.0
170°	440.2	439.7	439.1	438.7	438.5	438.1	438.0	437.8	437.6	437.5	437.5
172.5°	444.1	443.6	443.1	442.7	442.6	442.3	442.2	442.1	441.9	441.9	441.8
175°	446.5	446.3	446.2	446.0	445.7	445.6	445.1	444.9	444.7	444.5	444.2
177.5°	447.5	447.1	446.9	446.7	446.6	446.6	446.6	446.6	446.6	446.5	446.5
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



TEST NUMBER: P1444751
 CATALOG NUMBER: EHBR1-36-UNV-TA-L935-UPL36

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4
2.5°	28199.9	28192.5	28173.0	28163.4	28145.3	28136.2	28122.1	28113.0	28101.6	28093.1	28088.8
5°	28981.2	28945.2	28872.9	28828.4	28750.4	28699.0	28621.5	28564.7	28484.7	28425.7	28350.0
7.5°	29997.8	29942.4	29849.9	29779.7	29670.5	29587.1	29464.6	29366.6	29231.2	29118.8	28980.5
10°	30411.6	30379.3	30337.8	30292.7	30232.1	30172.9	30089.2	30003.9	29890.3	29777.3	29629.6
12.5°	29799.9	29830.4	29890.3	29918.3	29964.1	29979.7	30000.7	29990.9	29972.3	29926.2	29859.2
15°	28067.6	28194.4	28395.0	28533.8	28728.2	28864.7	29045.3	29161.5	29295.5	29375.5	29451.5
17.5°	25217.9	25463.3	25817.2	26099.6	26478.6	26786.7	27164.3	27461.0	27803.5	28066.3	28346.1
20°	21567.8	21911.5	22400.1	22814.9	23364.2	23829.9	24426.6	24926.4	25509.4	25995.5	26520.1
22.5°	17639.3	18043.7	18603.5	19103.9	19759.8	20345.5	21093.2	21754.0	22542.2	23248.3	24029.5
25°	13933.3	14329.6	14899.8	15418.0	16126.0	16771.3	17588.0	18346.2	19260.9	20113.9	21093.2
27.5°	10755.1	11107.2	11608.4	12074.8	12723.3	13356.8	14185.7	14994.1	15970.2	16886.8	17942.1
30°	8306.1	8591.6	8993.2	9368.5	9889.0	10407.1	11145.4	11893.1	12864.3	13814.2	14896.2
32.5°	6436.9	6680.4	7015.7	7320.2	7721.4	8112.0	8655.7	9253.3	10105.1	11015.1	12061.2
35°	4982.9	5191.2	5476.6	5739.0	6068.8	6378.9	6784.6	7211.1	7861.2	8626.6	9562.9
37.5°	3972.6	4057.5	4261.2	4476.2	4750.2	5005.0	5322.4	5637.7	6102.9	6706.7	7471.5
40°	3021.2	3156.0	3321.8	3491.1	3698.5	3902.9	4251.1	4418.7	4725.0	5158.5	5752.1
42.5°	2437.7	2532.5	2649.2	2766.9	2911.5	3053.9	3230.0	3409.2	3638.3	3931.8	4354.1
45°	2039.9	2101.7	2176.9	2255.4	2350.3	2447.5	2565.4	2688.5	2843.7	3024.1	3280.6
47.5°	1774.1	1808.3	1857.4	1911.0	1976.1	2043.3	2120.0	2198.5	2294.8	2402.0	2548.0
50°	1566.7	1595.2	1633.4	1669.2	1714.1	1783.0	1813.5	1856.8	1914.8	1977.7	2059.5
52.5°	1416.6	1435.6	1459.6	1480.1	1508.5	1534.3	1568.2	1598.0	1638.2	1676.0	1728.7
55°	1299.8	1306.7	1320.2	1333.5	1353.1	1370.7	1393.9	1413.5	1439.1	1461.7	1495.0
57.5°	1209.5	1210.1	1216.4	1223.3	1235.9	1247.0	1263.0	1275.8	1293.6	1308.0	1328.0
60°	1144.6	1141.2	1142.4	1144.8	1151.9	1159.1	1169.3	1177.7	1188.9	1197.1	1208.2
62.5°	1090.6	1085.1	1084.0	1083.3	1086.9	1089.5	1095.0	1099.1	1105.4	1109.0	1115.0
65°	1022.4	1016.0	1013.5	1010.6	1011.6	1010.8	1012.9	1013.0	1016.3	1017.0	1020.4
67.5°	960.5	955.3	952.0	948.0	946.3	943.4	942.2	939.5	939.0	936.8	936.2
70°	904.2	898.9	896.2	892.6	890.6	886.9	884.7	880.0	877.3	873.1	870.6
72.5°	838.9	835.9	835.1	832.6	832.0	829.9	828.9	825.8	823.9	820.1	818.1
75°	770.7	768.3	768.0	765.6	765.3	762.9	762.2	758.8	757.0	753.3	751.8
77.5°	689.4	685.8	684.8	681.9	682.6	681.4	682.4	679.7	678.7	674.9	673.9
80°	597.9	593.3	591.4	587.6	588.6	586.8	588.6	588.4	589.7	586.8	586.3
82.5°	489.5	484.4	483.5	480.8	482.6	482.8	486.7	484.5	485.4	482.7	483.8
85°	356.2	352.5	347.2	346.5	343.1	346.6	342.0	345.1	340.2	343.7	339.1
87.5°	220.8	213.1	209.0	203.5	201.4	196.0	193.9	190.0	191.1	189.3	190.4
90°	108.8	103.7	104.9	102.1	104.2	102.1	105.4	104.8	108.4	107.7	111.7
92.5°	57.2	59.9	64.8	70.1	74.8	79.7	84.6	89.8	94.5	99.7	104.4
95°	70.8	73.2	79.8	86.4	93.0	99.6	106.2	112.8	119.5	126.0	132.6
97.5°	88.8	90.3	96.9	103.4	110.0	116.6	123.2	130.1	136.7	143.2	149.8
100°	101.9	102.0	120.7	139.5	158.2	177.0	195.8	214.5	233.5	252.2	271.0
102.5°	190.4	195.1	242.5	290.0	337.3	384.7	432.2	479.7	527.0	574.7	622.2
105°	421.8	440.5	512.8	585.2	657.5	729.9	802.3	874.9	947.2	1019.6	1092.0
107.5°	783.5	817.4	882.8	948.2	1013.5	1079.0	1144.5	1209.9	1275.3	1340.8	1406.4
110°	1104.8	1140.7	1184.5	1228.3	1272.3	1316.1	1359.9	1403.7	1447.8	1491.6	1535.8



TEST NUMBER: P1444751
 CATALOG NUMBER: EHBR1-36-UNV-TA-L935-UPL36

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	1248.1	1271.4	1296.9	1322.5	1348.1	1373.6	1399.3	1424.8	1450.7	1476.3	1502.1
115°	1242.9	1254.1	1263.9	1274.0	1283.8	1293.9	1303.9	1314.2	1324.2	1334.4	1344.6
117.5°	1145.8	1149.8	1151.2	1152.9	1154.4	1156.2	1157.9	1159.7	1161.6	1163.4	1165.1
120°	1000.6	999.4	997.8	996.2	994.6	993.2	991.7	990.3	989.0	987.6	986.2
122.5°	854.0	851.4	849.8	848.3	847.0	845.6	844.2	843.1	841.8	840.6	839.3
125°	725.0	722.5	724.0	725.5	727.1	728.8	730.3	732.1	733.8	735.6	737.3
127.5°	630.0	629.3	633.1	637.0	640.9	644.9	649.0	653.2	657.1	661.3	665.2
130°	569.0	570.1	575.0	580.1	585.0	590.2	595.4	600.6	605.6	610.8	615.9
132.5°	533.2	535.7	540.4	545.3	550.2	555.2	560.1	565.1	570.1	575.2	579.9
135°	513.3	516.7	521.0	525.5	530.0	534.6	539.1	543.7	548.1	552.7	557.1
137.5°	500.3	503.6	507.3	510.8	514.4	518.1	521.9	525.5	529.0	532.7	536.3
140°	495.2	498.5	500.5	502.7	504.8	507.0	509.0	511.2	513.2	515.4	517.4
142.5°	488.5	491.6	492.8	494.2	495.5	497.2	498.6	500.0	501.2	502.6	503.8
145°	484.2	486.5	486.6	487.0	487.2	487.5	487.6	488.0	487.9	488.1	488.2
147.5°	477.6	479.4	479.1	479.1	479.0	478.7	478.7	478.6	478.3	478.2	478.0
150°	468.8	470.1	469.5	469.2	468.6	468.2	467.5	467.1	466.5	466.1	465.5
152.5°	459.2	460.2	459.4	459.1	458.3	457.7	457.0	456.5	455.8	455.2	454.7
155°	447.6	448.2	447.7	447.5	447.0	446.7	446.3	446.3	445.9	445.6	445.4
157.5°	441.2	441.3	441.1	440.8	440.6	440.5	440.2	440.1	440.0	440.1	440.1
160°	437.5	437.8	437.5	437.2	437.0	436.9	436.6	436.7	436.6	436.8	436.8
162.5°	434.6	434.5	434.1	434.0	433.7	433.7	433.6	433.7	433.5	433.7	433.8
165°	435.0	435.2	434.6	434.4	434.0	433.7	433.3	433.2	433.0	433.0	432.9
167.5°	434.8	434.6	434.6	434.7	434.7	434.9	434.9	435.3	435.5	435.9	435.9
170°	437.4	437.5	437.2	437.1	436.9	436.8	436.8	436.7	436.6	436.6	436.6
172.5°	441.8	441.8	441.4	441.0	440.6	440.3	439.8	439.7	439.2	438.9	438.5
175°	443.9	443.7	443.6	443.3	443.1	442.8	442.6	442.2	442.0	441.7	441.6
177.5°	446.4	446.2	446.0	446.0	445.9	445.8	445.8	445.7	445.7	445.7	445.6
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



TEST NUMBER: P1444751
 CATALOG NUMBER: EHBR1-36-UNV-TA-L935-UPL36

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4
2.5°	28083.2	28082.8	28080.1	28081.3	28081.9	28083.9	28086.2	28088.8	28089.3	28091.3	28091.7
5°	28293.3	28223.8	28172.4	28116.0	28073.5	28035.2	28009.7	27989.4	27981.6	27983.5	27988.3
7.5°	28863.2	28719.8	28601.5	28466.9	28354.7	28236.0	28137.4	28043.8	27975.7	27924.8	27896.4
10°	29488.6	29313.9	29146.8	28952.0	28767.4	28570.3	28391.8	28212.0	28062.1	27932.0	27836.4
12.5°	29766.1	29642.7	29498.2	29314.4	29116.8	28889.4	28659.8	28413.5	28184.6	27972.0	27800.6
15°	29472.3	29472.5	29419.8	29331.7	29194.4	29012.7	28793.8	28537.2	28267.0	27991.4	27739.6
17.5°	28539.5	28715.5	28813.4	28875.3	28856.3	28789.4	28650.2	28453.0	28201.2	27907.5	27600.3
20°	26937.6	27352.8	27648.7	27914.8	28064.0	28163.2	28153.2	28073.0	27893.6	27644.0	27323.9
22.5°	24693.8	25390.5	25940.2	26452.9	26812.5	27105.0	27244.0	27303.0	27221.7	27047.8	26747.2
25°	21968.3	22915.6	23724.1	24508.6	25097.1	25602.9	25906.8	26120.9	26138.0	26047.1	25779.0
27.5°	18939.9	20058.1	21081.2	22123.9	22951.5	23678.6	24155.7	24504.9	24615.8	24601.1	24357.7
30°	15915.3	17089.2	18216.9	19432.9	20456.9	21385.8	22016.0	22488.2	22670.2	22705.1	22470.9
32.5°	13058.9	14216.5	15341.2	16612.3	17739.2	18803.8	19548.3	20109.3	20320.9	20370.7	20113.9
35°	10466.6	11534.5	12603.3	13835.2	14955.7	16058.2	16842.7	17429.9	17627.6	17660.9	17363.5
37.5°	8218.5	9128.4	10059.7	11165.1	12194.0	13229.4	13974.8	14526.7	14670.7	14661.8	14325.3
40°	6325.6	7033.0	7781.4	8691.3	9546.8	10422.1	11051.5	11507.8	11583.4	11527.4	11173.9
42.5°	4756.5	5267.4	5809.9	6489.2	7124.0	7779.0	8237.0	8575.7	8586.5	8497.9	8180.5
45°	3543.7	4042.0	4269.6	4680.3	5089.1	5524.7	5804.3	6013.6	5981.1	5903.3	5662.0
47.5°	2701.4	2893.0	3096.1	3350.8	3589.0	4083.2	4046.6	4382.6	4140.6	4305.6	3942.4
50°	2145.2	2252.2	2361.7	2496.8	2621.3	2750.5	2831.3	2891.6	2883.7	2857.7	2788.2
52.5°	1825.1	1858.2	1912.1	1988.9	2058.4	2128.2	2174.2	2211.6	2212.3	2201.9	2166.7
55°	1525.4	1567.3	1606.1	1656.3	1741.9	1755.0	1821.0	1807.6	1812.8	1794.5	1813.2
57.5°	1344.8	1369.3	1391.1	1421.0	1445.8	1474.6	1491.6	1508.0	1506.4	1502.9	1484.9
60°	1217.0	1230.4	1242.6	1260.1	1273.6	1289.9	1297.8	1306.1	1303.4	1297.3	1281.4
62.5°	1118.4	1126.8	1133.7	1145.1	1153.3	1163.5	1167.5	1171.1	1167.5	1161.7	1147.7
65°	1021.2	1026.6	1030.9	1039.5	1045.3	1054.0	1057.4	1060.8	1057.5	1053.0	1042.3
67.5°	933.4	934.0	933.5	937.0	938.8	943.9	945.5	947.9	944.1	940.3	931.3
70°	866.9	865.5	863.8	865.2	865.5	868.0	868.4	868.0	863.6	856.8	846.9
72.5°	814.9	814.2	812.9	814.0	814.0	816.3	815.6	814.4	808.9	802.5	792.6
75°	748.0	747.4	745.0	745.1	743.0	743.7	741.0	739.5	733.3	727.9	719.1
77.5°	669.8	668.5	664.9	663.5	659.5	657.8	652.7	650.2	643.9	639.6	632.1
80°	582.4	581.0	576.4	573.8	567.5	563.6	556.0	551.8	544.5	540.3	532.9
82.5°	481.4	482.0	477.3	474.0	465.0	458.1	448.1	442.7	434.8	430.6	423.1
85°	342.4	337.5	340.1	339.9	334.3	328.3	320.1	314.4	307.7	303.7	298.5
87.5°	187.8	189.0	187.6	186.4	182.4	179.5	173.1	169.8	164.9	162.4	158.4
90°	103.9	100.9	93.4	90.5	83.3	78.8	70.5	66.7	59.0	57.1	52.6
92.5°	98.9	93.3	88.0	82.1	76.9	71.2	65.7	60.1	54.6	52.5	50.8
95°	124.5	116.6	108.6	100.6	92.5	84.6	76.6	68.6	60.5	58.9	57.3
97.5°	140.5	131.0	121.5	112.1	102.7	93.2	83.8	74.3	64.9	63.9	62.8
100°	249.2	227.5	205.6	183.8	162.1	140.3	118.5	96.7	75.0	73.7	72.5
102.5°	569.3	516.4	463.6	410.7	358.0	305.1	252.2	199.3	146.5	138.8	131.2
105°	1012.0	932.0	852.2	772.2	692.1	612.0	532.2	452.1	372.0	346.4	320.7
107.5°	1331.2	1255.9	1180.9	1105.7	1030.4	955.3	880.1	804.8	729.5	684.3	639.1
110°	1476.0	1416.2	1356.8	1297.0	1237.4	1177.7	1118.0	1058.2	998.5	959.4	920.6



TEST NUMBER: P1444751
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CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	1458.5	1414.6	1371.1	1327.2	1283.5	1239.7	1196.1	1152.1	1108.3	1084.7	1061.0
115°	1318.4	1292.0	1265.8	1239.4	1213.0	1186.7	1160.3	1133.7	1107.3	1094.8	1082.3
117.5°	1151.9	1138.3	1125.0	1111.5	1098.0	1084.4	1071.0	1057.3	1043.8	1039.6	1035.0
120°	982.4	978.3	974.0	970.0	965.9	961.8	957.5	953.3	949.0	949.6	950.0
122.5°	840.9	842.4	844.1	845.4	847.1	848.5	850.1	851.4	852.9	856.2	859.5
125°	741.2	745.0	749.0	752.8	756.7	760.5	764.4	768.0	771.9	775.2	778.6
127.5°	669.8	673.9	678.5	682.6	687.1	691.3	695.7	699.7	704.1	707.1	710.3
130°	619.8	623.5	627.3	630.9	634.8	638.5	642.1	645.9	649.7	652.0	654.4
132.5°	583.3	586.7	590.1	593.3	596.8	600.0	603.4	606.8	610.2	611.9	613.8
135°	559.7	562.1	564.7	567.1	569.8	572.2	574.8	577.3	580.0	581.1	582.4
137.5°	538.4	540.4	542.5	544.5	546.6	548.6	551.0	553.0	555.4	555.8	556.7
140°	519.6	521.8	523.9	526.1	528.4	530.6	533.1	535.4	537.9	538.4	539.2
142.5°	505.6	507.2	508.9	510.5	512.4	514.1	516.0	518.1	520.0	520.6	521.2
145°	490.3	492.3	494.4	496.3	498.3	500.5	502.9	505.2	507.5	507.9	508.3
147.5°	479.6	481.3	483.2	485.0	486.8	488.5	490.8	492.7	494.9	495.1	495.5
150°	467.5	469.2	471.1	472.9	474.9	477.0	479.2	481.4	483.9	484.5	485.2
152.5°	456.6	458.6	460.6	462.8	465.0	467.3	469.7	472.0	474.5	475.0	475.7
155°	447.5	449.3	451.5	453.7	455.9	458.0	460.4	462.7	465.0	465.9	466.6
157.5°	442.0	443.6	445.6	447.5	449.4	451.4	453.6	455.6	457.8	458.4	459.1
160°	438.4	439.9	441.7	443.5	445.2	447.0	448.9	450.6	452.5	453.1	453.7
162.5°	435.5	437.0	438.8	440.4	442.3	443.9	445.8	447.5	449.4	449.9	450.5
165°	434.1	435.3	436.7	437.8	439.2	440.4	441.8	443.0	444.5	445.0	445.8
167.5°	437.1	437.9	438.8	439.8	440.9	441.9	442.9	443.9	445.0	445.6	446.4
170°	437.5	438.3	439.1	440.0	441.0	441.9	442.7	443.6	444.8	445.3	446.0
172.5°	439.1	439.5	440.3	440.7	441.4	441.9	442.7	443.2	443.9	444.6	445.2
175°	441.9	442.2	442.5	442.7	443.0	443.3	443.7	444.2	444.5	445.0	445.5
177.5°	445.7	445.9	446.2	446.4	446.7	446.9	447.3	447.5	447.7	448.4	449.1
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



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CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4
2.5°	28090.8	28090.4	28089.5	28088.2	28087.0	28087.8	28089.0	28092.2	28097.8	28106.0	28116.7
5°	27992.2	27997.9	28001.1	28001.6	27998.6	27996.9	27999.6	28007.3	28022.9	28049.0	28084.2
7.5°	27888.7	27895.8	27906.7	27914.8	27916.4	27914.5	27914.8	27927.0	27955.7	28006.6	28077.9
10°	27778.4	27757.3	27768.4	27788.7	27804.7	27807.7	27809.7	27823.9	27866.0	27942.9	28057.4
12.5°	27676.4	27610.0	27597.1	27615.4	27639.9	27647.7	27645.5	27651.6	27700.9	27802.6	27962.2
15°	27542.3	27417.3	27374.5	27379.2	27409.4	27420.3	27412.3	27400.2	27448.2	27572.3	27779.1
17.5°	27325.2	27123.6	27045.0	27041.6	27076.9	27086.3	27066.9	27029.3	27076.5	27231.5	27488.1
20°	26995.3	26697.6	26549.7	26526.3	26564.6	26553.4	26514.7	26457.8	26519.8	26708.3	27013.5
22.5°	26402.0	26025.0	25772.3	25690.8	25736.7	25706.0	25649.6	25577.0	25659.4	25873.5	26213.4
25°	25432.7	24997.0	24651.1	24457.0	24493.5	24438.7	24377.2	24289.3	24387.5	24633.3	25007.4
27.5°	24007.9	23504.6	23076.0	22754.7	22766.5	22694.7	22623.8	22510.0	22632.7	22923.6	23345.6
30°	22113.3	21531.0	21009.0	20572.3	20533.2	20463.6	20391.0	20241.6	20395.2	20743.4	21236.6
32.5°	19734.0	19087.5	18484.3	17932.3	17828.1	17760.1	17695.4	17523.5	17724.6	18130.6	18697.1
35°	16951.6	16262.8	15608.9	14978.4	14805.8	14737.8	14681.3	14516.6	14767.5	15209.3	15821.2
37.5°	13897.5	13193.9	12544.6	11898.0	11654.2	11561.9	11520.9	11413.0	11702.4	12139.5	12753.9
40°	10762.0	10107.8	9525.7	8954.7	8676.7	8535.6	8514.1	8494.5	8774.3	9153.5	9711.1
42.5°	7829.0	7301.2	6852.3	6415.8	6163.9	5971.3	5971.2	6029.6	6281.6	6565.6	6995.6
45°	5415.6	5061.3	4775.4	4483.7	4561.6	4177.5	4403.2	4287.3	4411.8	4595.0	4874.6
47.5°	3722.7	3529.3	3372.2	3209.2	3090.5	2977.0	2987.0	3060.1	3177.4	3286.1	3431.5
50°	2713.2	2614.7	2534.7	2450.1	2391.0	2341.0	2343.9	2375.5	2437.1	2494.4	2570.5
52.5°	2126.0	2071.7	2028.2	1981.4	1950.4	1925.5	1926.9	1942.3	1975.5	2008.2	2051.9
55°	1752.3	1745.8	1689.2	1647.3	1631.3	1614.5	1617.6	1623.6	1646.3	1665.4	1694.4
57.5°	1468.4	1443.1	1426.1	1404.0	1393.8	1382.2	1384.8	1387.0	1402.2	1415.1	1435.8
60°	1268.0	1250.0	1238.0	1222.9	1216.3	1208.9	1210.5	1211.9	1221.6	1230.0	1244.9
62.5°	1134.8	1118.7	1108.3	1096.7	1091.9	1087.0	1088.1	1088.5	1094.6	1100.7	1112.1
65°	1032.7	1019.9	1011.2	1001.2	996.3	991.1	991.6	991.6	996.7	1001.2	1009.7
67.5°	924.6	915.0	909.4	901.4	898.1	892.7	892.6	891.0	894.4	896.1	901.9
70°	837.9	828.2	821.0	813.4	809.2	804.5	804.6	804.7	808.6	812.6	820.0
72.5°	784.3	775.1	768.7	762.0	758.1	754.1	753.3	752.9	755.7	758.0	762.9
75°	713.5	706.0	702.2	696.0	692.9	688.4	687.6	685.5	686.9	687.3	691.0
77.5°	627.4	620.4	617.3	611.0	608.3	603.3	602.8	600.5	601.5	600.8	603.6
80°	529.3	522.9	521.2	516.0	514.8	510.1	509.4	506.5	507.4	505.1	506.2
82.5°	419.8	413.9	412.7	407.9	407.9	403.6	403.4	399.1	399.1	395.4	389.6
85°	295.7	291.4	289.7	285.7	284.5	281.1	279.3	275.3	273.8	271.2	270.4
87.5°	156.1	153.4	150.9	149.1	145.6	139.5	138.9	134.7	135.0	132.0	132.1
90°	51.1	46.9	45.6	41.6	40.1	37.1	35.7	36.4	37.7	38.5	39.8
92.5°	49.0	47.1	45.3	43.4	41.6	39.7	37.9	39.7	41.6	43.4	45.3
95°	55.6	53.9	52.3	50.7	48.9	47.3	45.7	47.3	48.9	50.8	52.4
97.5°	61.8	60.7	59.7	58.6	57.6	56.6	55.6	56.6	57.7	58.7	59.8
100°	71.2	70.0	68.8	67.5	66.3	65.1	63.8	65.3	66.5	67.8	69.1
102.5°	123.7	116.1	108.4	100.8	93.2	85.6	77.9	85.6	93.2	100.9	108.5
105°	294.9	269.3	243.4	217.7	192.0	166.2	140.5	166.3	192.1	217.8	243.6
107.5°	593.7	548.7	503.4	458.1	412.7	367.5	322.2	367.6	412.9	458.2	503.6
110°	881.4	842.4	803.5	764.4	725.2	686.2	647.0	686.3	725.4	764.6	803.7



TEST NUMBER: P1444751
 CATALOG NUMBER: EHBR1-36-UNV-TA-L935-UPL36

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	1037.2	1013.5	989.8	966.1	942.1	918.5	894.5	918.7	942.5	966.6	990.3
115°	1069.9	1057.3	1044.9	1032.4	1019.7	1007.1	994.3	1007.5	1020.3	1033.0	1045.8
117.5°	1030.6	1026.3	1021.8	1017.4	1012.9	1008.5	1003.9	1008.7	1013.5	1018.4	1022.9
120°	950.4	951.0	951.4	951.7	952.1	952.5	952.6	952.9	952.9	952.9	952.7
122.5°	862.6	865.9	869.1	872.3	875.3	878.4	881.3	878.8	876.1	873.6	870.7
125°	781.9	785.3	788.6	791.9	794.9	798.2	801.0	798.7	796.1	793.4	790.6
127.5°	713.3	716.3	719.2	722.3	725.0	727.8	730.3	728.4	726.2	723.9	721.3
130°	656.6	659.1	661.1	663.3	665.3	667.3	669.1	668.0	666.5	665.2	663.4
132.5°	615.4	617.3	619.0	620.7	622.0	623.6	624.6	624.2	623.4	622.6	621.6
135°	583.7	584.8	585.9	587.1	587.9	588.8	589.3	589.6	589.3	589.1	588.6
137.5°	557.1	557.9	558.3	558.8	559.0	559.3	559.3	560.0	560.4	561.1	561.1
140°	539.6	540.4	540.9	541.4	541.8	542.2	542.0	542.9	543.3	543.7	543.7
142.5°	521.9	522.5	523.0	523.6	523.8	524.1	524.1	524.9	525.2	525.7	525.9
145°	508.8	509.1	509.4	509.7	509.8	509.8	509.4	510.5	511.2	511.7	512.3
147.5°	495.9	496.3	496.4	496.6	496.7	496.7	496.4	497.3	498.0	498.6	499.1
150°	485.9	486.5	487.1	487.6	488.0	488.3	488.3	489.0	489.2	489.6	489.7
152.5°	476.2	476.8	477.4	477.8	478.1	478.4	478.5	479.0	479.4	480.0	480.2
155°	467.2	467.9	468.6	469.2	469.7	470.2	470.6	471.0	471.3	471.6	471.7
157.5°	459.7	460.4	460.9	461.5	462.0	462.6	463.0	463.5	463.9	464.2	464.5
160°	454.3	455.0	455.4	456.1	456.6	457.1	457.5	458.1	458.4	458.8	459.1
162.5°	451.0	451.6	452.0	452.6	453.1	453.6	454.1	454.5	455.0	455.4	455.7
165°	446.5	447.3	447.9	448.6	449.4	450.1	450.5	450.9	451.1	451.2	451.4
167.5°	446.9	447.6	448.3	448.9	449.4	450.3	450.8	451.1	451.1	451.3	451.4
170°	446.5	447.1	447.7	448.3	448.8	449.5	449.9	450.1	450.1	450.3	450.4
172.5°	445.9	446.6	447.4	448.1	448.8	449.4	450.1	450.1	449.9	449.7	449.4
175°	446.1	446.7	447.3	447.9	448.5	449.0	449.6	449.3	449.3	448.9	448.7
177.5°	449.9	450.7	451.4	452.0	452.7	453.3	454.1	453.4	452.9	452.4	451.8
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



TEST NUMBER: P1444751
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CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4
2.5°	28131.7	28145.8	28167.3	28186.8	28216.2	28239.4	28274.2	28300.6	28339.9	28365.4	28408.1
5°	28134.2	28189.3	28261.6	28332.3	28417.2	28494.3	28590.1	28671.6	28768.0	28846.5	28945.0
7.5°	28174.0	28280.1	28407.3	28535.5	28680.5	28816.1	28968.9	29107.2	29258.4	29386.3	29526.0
10°	28203.3	28367.0	28554.5	28743.1	28941.7	29126.2	29312.5	29473.5	29623.8	29747.6	29857.0
12.5°	28163.5	28389.0	28629.7	28862.0	29082.7	29273.7	29433.9	29557.7	29643.1	29701.1	29714.7
15°	28028.3	28299.7	28561.2	28792.6	28975.8	29117.1	29190.2	29224.5	29187.8	29126.7	28992.7
17.5°	27775.6	28061.9	28295.7	28478.2	28575.0	28613.4	28552.7	28447.4	28241.4	28012.7	27682.6
20°	27312.3	27579.1	27748.6	27848.2	27822.3	27726.5	27497.8	27219.7	26808.5	26370.2	25791.9
22.5°	26499.8	26733.0	26823.3	26830.7	26672.7	26432.8	26020.3	25543.3	24894.6	24220.1	23390.6
25°	25280.1	25484.3	25498.6	25418.4	25129.2	24740.5	24134.6	23460.0	22578.4	21679.7	20640.2
27.5°	23625.9	23821.8	23773.8	23624.2	23222.7	22702.5	21926.9	21055.3	19968.5	18907.0	17757.2
30°	21546.6	21756.0	21699.7	21507.7	21030.2	20415.4	19502.8	18490.1	17283.5	16149.7	14984.5
32.5°	19058.2	19322.9	19284.1	19101.6	18603.2	17945.4	16955.1	15881.1	14646.6	13529.2	12395.9
35°	16229.7	16551.2	16567.9	16448.6	15985.9	15335.7	14357.8	13318.2	12135.7	11081.6	10034.5
37.5°	13182.5	13555.1	13631.7	13599.6	13216.1	12642.1	11751.1	10818.6	9771.0	8847.1	7951.6
40°	10118.3	10495.6	10626.4	10665.3	10382.4	9937.8	9206.5	8453.8	7599.8	6851.2	6140.1
42.5°	7324.0	7658.4	7784.9	7864.5	7687.8	7391.4	6857.9	6311.3	5685.7	5145.8	4628.1
45°	5086.6	5323.2	5419.4	5499.5	5403.4	5236.1	4899.3	4557.4	4144.4	3791.5	3457.5
47.5°	3556.3	3686.9	3750.3	3789.2	3751.9	3664.7	3481.4	3283.4	3050.2	2844.0	2645.8
50°	2636.1	2705.5	2738.7	2761.1	2734.0	2685.5	2586.3	2478.5	2350.5	2233.6	2119.5
52.5°	2089.0	2128.8	2148.5	2160.6	2145.1	2115.4	2057.6	1993.7	1917.0	1844.7	1806.9
55°	1759.8	1757.7	1803.4	1781.4	1803.4	1754.2	1743.9	1673.5	1609.8	1565.0	1516.4
57.5°	1451.3	1472.0	1480.8	1490.5	1484.2	1475.2	1450.7	1425.5	1391.8	1363.8	1333.8
60°	1256.3	1273.3	1282.9	1292.6	1292.0	1288.6	1274.5	1259.4	1238.4	1221.6	1203.4
62.5°	1121.9	1136.7	1146.1	1155.5	1156.3	1154.9	1144.2	1133.7	1119.4	1108.9	1096.4
65°	1016.3	1026.6	1033.0	1040.5	1040.0	1038.1	1028.3	1019.7	1007.8	1000.6	991.3
67.5°	905.6	913.5	918.5	925.5	926.8	927.3	921.9	917.8	912.1	910.0	906.9
70°	826.9	836.5	844.5	853.4	858.2	860.5	858.2	856.1	852.8	851.3	848.9
72.5°	767.4	775.5	781.7	789.8	794.3	797.5	795.8	794.6	791.7	791.2	789.6
75°	693.4	699.1	702.6	708.7	711.0	714.1	712.7	713.5	712.5	714.8	714.6
77.5°	604.6	608.7	610.3	614.7	615.1	618.8	619.7	623.9	626.9	633.6	637.1
80°	504.6	507.1	507.1	511.6	513.6	519.8	522.7	529.7	532.9	538.9	539.4
82.5°	391.9	388.9	391.9	390.0	395.8	402.7	403.6	409.6	410.9	414.6	411.7
85°	267.9	267.7	265.3	265.7	263.9	264.8	263.7	264.9	263.8	263.9	261.2
87.5°	128.3	129.5	126.7	127.6	124.9	126.2	123.8	125.6	122.8	123.3	119.1
90°	40.8	42.1	43.1	44.4	46.0	49.5	53.1	56.6	60.5	63.8	67.5
92.5°	47.1	49.1	50.9	52.8	54.7	60.2	65.8	71.3	77.0	82.5	88.1
95°	54.0	55.6	57.4	59.3	60.9	69.0	76.9	85.0	93.0	101.1	109.0
97.5°	61.1	62.2	63.2	64.3	65.3	74.8	84.3	93.7	103.2	112.7	122.1
100°	70.3	71.6	72.9	74.1	75.4	97.2	119.1	140.9	162.8	184.4	206.3
102.5°	116.3	123.9	131.5	139.4	147.0	199.9	252.9	305.8	358.5	411.5	464.3
105°	269.5	295.2	321.2	346.9	372.7	452.8	532.9	613.0	692.9	773.0	853.1
107.5°	549.0	594.3	639.7	685.0	730.3	805.7	881.0	956.3	1031.7	1107.0	1182.0
110°	843.1	881.9	921.4	960.5	999.7	1059.3	1119.3	1179.0	1238.9	1298.6	1358.3



TEST NUMBER: P1444751
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CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	1014.4	1038.1	1062.0	1085.7	1109.6	1153.5	1197.6	1241.5	1285.4	1329.1	1373.0
115°	1058.5	1070.9	1083.7	1096.3	1109.1	1135.5	1162.1	1188.7	1215.2	1241.6	1268.1
117.5°	1027.6	1032.2	1036.8	1041.2	1045.8	1059.4	1073.2	1086.8	1100.6	1114.2	1127.8
120°	952.6	952.4	952.1	951.7	951.6	955.7	960.3	964.5	968.9	973.1	977.3
122.5°	867.9	864.9	861.9	858.9	855.8	854.4	853.2	851.8	850.6	849.0	847.8
125°	787.6	784.6	781.5	778.4	775.2	771.6	767.9	764.2	760.5	756.8	753.1
127.5°	719.0	716.2	713.6	710.7	707.9	703.7	699.6	695.3	691.4	687.0	682.9
130°	661.9	659.9	658.2	655.9	654.0	650.2	646.8	643.1	639.5	635.9	632.3
132.5°	620.4	619.0	617.8	616.2	614.9	611.6	608.6	605.2	601.9	598.6	595.5
135°	588.1	587.4	586.8	585.9	585.0	582.4	580.2	577.7	575.3	572.9	570.5
137.5°	561.4	561.1	561.0	560.7	560.6	558.5	556.7	554.6	552.7	550.7	548.8
140°	544.0	543.8	543.9	543.6	543.4	541.3	539.2	537.0	534.9	532.7	530.7
142.5°	525.9	525.9	525.9	525.7	525.6	523.9	522.4	520.8	519.1	517.4	515.9
145°	512.5	512.8	513.0	513.0	513.3	511.3	509.4	507.3	505.6	503.6	501.7
147.5°	499.7	499.8	500.2	500.4	500.8	499.0	497.7	495.9	494.4	492.7	491.2
150°	489.9	490.0	490.1	490.0	490.0	488.1	486.6	484.9	483.3	481.5	480.0
152.5°	480.4	480.5	480.8	480.9	481.1	479.3	477.5	475.7	474.0	472.0	470.3
155°	471.9	472.0	472.2	472.2	472.2	470.6	468.9	467.0	465.4	463.7	462.0
157.5°	464.7	464.9	465.0	465.2	465.3	463.9	462.4	461.0	459.5	458.1	456.6
160°	459.4	459.7	459.9	460.1	460.2	459.0	458.0	456.5	455.4	454.1	452.7
162.5°	456.1	456.3	456.5	456.7	456.9	455.6	454.6	453.3	452.2	450.7	449.5
165°	451.5	451.5	451.5	451.4	451.4	450.6	450.0	449.2	448.4	447.3	446.5
167.5°	451.4	451.4	451.4	451.3	451.4	450.7	450.4	449.7	449.1	448.5	447.8
170°	450.3	450.4	450.4	450.2	450.2	449.5	449.1	448.5	448.1	447.3	446.6
172.5°	449.3	449.0	448.8	448.6	448.3	447.8	447.5	447.1	446.8	446.4	446.0
175°	448.4	448.2	447.9	447.6	447.3	447.2	446.9	446.9	446.7	446.5	446.3
177.5°	451.4	450.9	450.3	449.7	449.2	449.0	449.0	448.7	448.7	448.5	448.4
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



TEST NUMBER: P1444751
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CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4
2.5°	28434.5	28258.9	28235.8	28248.1	28277.4	28288.3	28320.0	28328.6	28360.5	28368.3	28398.9
5°	29021.2	28789.2	28800.7	28856.5	28941.0	28991.4	29074.4	29117.8	29197.1	29233.2	29304.8
7.5°	29640.0	29457.7	29514.5	29608.6	29724.2	29804.1	29903.9	29968.9	30054.8	30108.2	30177.0
10°	29943.7	29893.7	29956.4	30030.4	30096.3	30147.9	30190.2	30224.0	30246.2	30267.0	30276.0
12.5°	29712.5	29789.9	29800.5	29793.3	29749.6	29716.3	29641.4	29590.6	29500.2	29445.1	29337.6
15°	28855.6	29025.6	28931.4	28788.9	28580.5	28406.6	28161.2	27978.4	27722.8	27549.4	27292.8
17.5°	27351.7	27566.2	27320.9	26991.3	26571.8	26213.1	25766.3	25411.7	24967.5	24644.4	24229.8
20°	25234.5	25434.9	24997.6	24451.0	23802.3	23256.3	22612.5	22098.8	21500.4	21055.3	20518.2
22.5°	22598.3	22741.2	22124.9	21388.2	20561.7	19879.6	19109.8	18493.9	17811.1	17302.3	16729.6
25°	19681.9	19720.5	18981.3	18132.6	17211.4	16444.8	15622.9	14975.5	14279.0	13763.3	13201.3
27.5°	16738.4	16681.9	15883.1	14983.1	14014.0	13217.3	12415.7	11808.9	11199.0	10734.5	10250.2
30°	13960.2	13823.3	12993.9	12068.8	11128.2	10414.0	9748.6	9261.2	8776.1	8407.6	8018.8
32.5°	11412.4	11219.4	10411.9	9545.3	8752.7	8201.6	7708.1	7339.4	6947.6	6636.3	6310.1
35°	9155.7	8950.1	8234.8	7500.1	6900.2	6493.9	6106.1	5803.6	5470.9	5208.3	4925.0
37.5°	7219.1	7050.5	6451.3	5873.2	5419.4	5104.6	4786.9	4539.6	4264.6	4149.2	3846.5
40°	5573.1	5455.3	4986.8	4560.6	4219.9	4072.0	3749.4	3518.5	3313.0	3143.6	2979.5
42.5°	4347.1	4305.4	3849.5	3517.1	3277.2	3090.9	2911.0	2765.1	2623.1	2506.3	2396.0
45°	3190.2	3157.1	2954.7	2762.9	2599.4	2469.1	2347.6	2247.2	2154.3	2077.4	2007.4
47.5°	2484.2	2473.6	2357.0	2238.0	2135.0	2051.4	1972.5	1905.9	1844.3	1792.9	1776.1
50°	2020.5	2019.1	1950.7	1877.3	1804.0	1755.6	1705.3	1665.8	1626.2	1595.4	1562.9
52.5°	1716.7	1709.3	1663.1	1617.8	1574.2	1542.5	1510.3	1485.1	1458.9	1439.9	1419.7
55°	1478.0	1485.7	1459.0	1432.0	1404.7	1385.0	1362.4	1345.8	1327.9	1315.8	1303.6
57.5°	1312.1	1322.4	1308.4	1293.1	1276.5	1263.5	1247.9	1236.4	1224.5	1216.7	1209.7
60°	1191.4	1202.7	1197.1	1189.3	1179.0	1171.3	1161.5	1155.0	1147.3	1143.1	1139.1
62.5°	1089.0	1103.2	1101.2	1097.5	1090.9	1086.6	1081.3	1078.4	1073.3	1071.4	1069.5
65°	986.9	1002.8	1002.5	1000.7	997.1	995.8	992.4	991.8	989.2	990.3	990.0
67.5°	906.6	920.4	923.4	925.5	925.5	926.3	926.0	927.4	927.4	929.3	930.6
70°	848.6	858.2	860.5	862.8	863.5	865.3	865.3	866.5	866.2	867.8	868.0
72.5°	790.0	802.6	804.9	806.8	806.8	808.6	807.6	807.4	804.8	804.3	802.6
75°	717.1	733.3	736.8	739.1	739.5	741.0	738.8	737.5	733.3	731.6	728.7
77.5°	641.0	657.7	660.3	661.1	659.7	660.1	655.5	652.3	647.0	644.8	642.0
80°	541.8	566.5	568.5	567.0	563.1	562.5	558.0	555.0	548.7	546.5	544.1
82.5°	412.3	441.3	445.4	447.2	444.0	444.7	440.5	438.8	433.0	432.0	428.1
85°	260.3	289.3	294.1	293.4	290.3	289.6	287.0	287.9	287.4	288.9	289.8
87.5°	119.6	147.7	154.5	152.3	152.0	150.0	145.5	147.2	149.9	151.6	151.8
90°	71.1	83.2	86.6	84.3	79.1	76.4	71.6	69.2	64.9	62.5	58.2
92.5°	93.6	99.2	104.8	99.8	94.9	89.9	85.0	79.9	75.1	70.1	65.3
95°	117.1	124.8	132.9	126.3	119.6	113.0	106.4	99.9	93.3	86.6	80.1
97.5°	131.5	140.8	150.1	143.5	136.9	130.2	123.6	117.1	110.5	103.8	97.2
100°	228.1	249.5	271.3	252.5	233.7	215.0	196.2	177.4	158.6	139.9	121.1
102.5°	517.2	569.8	622.5	575.0	527.5	480.1	432.7	385.2	337.8	290.2	242.8
105°	933.1	1012.6	1092.6	1019.9	947.5	875.2	802.7	730.3	657.9	585.4	513.1
107.5°	1257.3	1331.9	1406.8	1341.4	1275.8	1210.5	1144.8	1079.4	1013.9	948.4	882.9
110°	1418.0	1476.9	1536.4	1492.3	1448.4	1404.3	1360.4	1316.4	1272.6	1228.8	1184.9



TEST NUMBER: P1444751
 CATALOG NUMBER: EHBR1-36-UNV-TA-L935-UPL36

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	1416.7	1459.4	1502.8	1476.9	1451.3	1425.5	1399.9	1374.1	1348.6	1322.8	1297.4
115°	1294.4	1319.4	1345.4	1335.1	1325.1	1314.9	1304.7	1294.7	1284.4	1274.4	1264.5
117.5°	1141.3	1153.2	1166.3	1164.3	1162.5	1160.6	1158.8	1156.9	1155.4	1153.6	1151.9
120°	981.6	983.9	987.5	988.8	990.3	991.4	992.9	994.2	995.7	997.1	998.6
122.5°	846.3	842.8	840.7	842.0	843.2	844.2	845.6	846.9	848.2	849.5	851.0
125°	749.4	743.2	738.7	737.0	735.4	733.6	731.9	730.1	728.6	726.9	725.3
127.5°	678.7	672.0	667.1	663.1	659.1	654.9	650.9	646.7	642.8	638.7	634.9
130°	628.6	622.3	617.9	612.8	607.9	602.5	597.6	592.4	587.3	582.1	577.2
132.5°	592.2	586.1	582.2	577.3	572.6	567.5	562.7	557.7	552.9	547.7	543.0
135°	568.1	562.6	559.6	555.0	550.9	546.2	541.8	537.3	532.9	528.2	524.0
137.5°	546.7	541.5	538.9	535.3	531.9	528.2	524.9	521.1	517.6	513.8	510.4
140°	528.5	523.0	520.1	518.1	516.3	514.1	512.2	510.1	508.2	506.1	504.1
142.5°	514.3	509.0	506.6	505.4	504.2	502.9	501.9	500.6	499.3	497.8	496.6
145°	499.8	493.9	491.1	491.0	491.0	491.0	490.8	490.8	490.6	490.4	490.2
147.5°	489.4	483.5	480.9	481.3	481.5	481.6	482.1	482.1	482.5	482.6	483.0
150°	478.1	471.3	468.3	468.9	469.4	470.0	470.7	471.2	471.9	472.5	473.0
152.5°	468.4	460.4	457.0	457.6	458.4	458.9	459.6	460.3	461.1	461.9	462.6
155°	460.1	451.4	447.8	447.9	448.2	448.5	448.8	449.3	449.6	450.1	450.5
157.5°	454.9	445.9	442.5	442.3	442.5	442.6	442.6	442.8	443.0	443.2	443.7
160°	451.4	442.5	439.1	438.9	439.1	439.0	439.0	439.2	439.4	439.6	439.9
162.5°	448.1	439.5	436.2	435.9	435.9	435.9	435.9	435.9	436.0	436.2	436.5
165°	445.5	437.9	435.1	435.2	435.4	435.5	435.7	435.9	436.1	436.5	436.9
167.5°	447.1	440.4	438.2	437.8	437.6	437.2	437.2	436.9	436.9	436.6	436.6
170°	445.9	440.7	438.7	438.6	438.8	438.8	438.8	438.9	438.9	439.0	439.2
172.5°	445.5	441.7	440.2	440.5	440.8	441.2	441.6	441.9	442.3	442.7	443.1
175°	446.1	443.7	443.1	443.1	443.4	443.6	443.7	444.0	444.2	444.4	444.8
177.5°	448.2	447.5	447.1	447.1	447.1	447.1	447.1	447.1	447.1	447.2	447.2
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



TEST NUMBER: P1444751
 CATALOG NUMBER: EHBR1-36-UNV-TA-L935-UPL36

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4
2.5°	28404.6	28437.8	28435.3	28466.2	28464.6	28493.7	28487.9	28513.1	28507.3	28528.9	28516.2
5°	29336.4	29399.3	29420.2	29477.0	29488.8	29539.6	29540.7	29581.1	29576.2	29607.9	29591.0
7.5°	30217.7	30276.6	30304.5	30348.6	30370.7	30407.3	30421.6	30451.7	30458.8	30476.6	30476.0
10°	30292.1	30292.0	30305.7	30299.6	30311.9	30304.7	30319.8	30314.4	30336.6	30330.8	30347.7
12.5°	29291.3	29192.0	29155.7	29066.4	29046.9	28970.4	28975.8	28926.7	28950.4	28920.2	28971.6
15°	27140.2	26909.8	26796.0	26595.6	26532.7	26374.4	26361.5	26256.4	26284.7	26229.7	26310.1
17.5°	23961.5	23598.8	23399.7	23107.1	22990.9	22767.0	22722.1	22586.7	22607.7	22539.5	22636.7
20°	20171.7	19733.3	19482.3	19143.9	18992.9	18726.0	18655.2	18503.7	18522.7	18454.9	18564.7
22.5°	16338.7	15879.8	15596.3	15241.7	15049.0	14797.9	14722.6	14570.3	14579.0	14515.3	14621.0
25°	12816.2	12376.3	12101.1	11779.0	11611.8	11381.6	11302.4	11165.8	11173.5	11120.9	11215.8
27.5°	9914.3	9553.3	9323.1	9053.0	8903.1	8713.9	8636.7	8521.9	8521.5	8483.0	8562.3
30°	7747.5	7446.2	7239.6	7004.4	6863.6	6692.8	6618.2	6515.4	6511.0	6483.6	6546.6
32.5°	6066.1	5798.1	5609.6	5402.7	5276.3	5129.7	5059.1	4976.6	4969.0	4944.3	4996.0
35°	4715.6	4490.0	4327.9	4153.6	4166.5	3950.2	3986.2	3818.3	3772.7	3762.8	3801.2
37.5°	3644.6	3469.9	3338.2	3207.7	3119.3	3028.0	2978.7	2934.5	2929.5	2925.3	2952.2
40°	2852.8	2730.4	2634.7	2545.2	2484.3	2428.6	2397.8	2373.5	2367.8	2364.5	2380.8
42.5°	2308.9	2226.3	2164.6	2110.0	2073.0	2042.7	2025.8	2012.3	2007.8	2008.0	2017.6
45°	1950.7	1900.7	1860.9	1826.9	1803.3	1813.7	1783.1	1799.2	1778.0	1799.9	1785.5
47.5°	1717.9	1675.3	1650.6	1626.6	1612.3	1600.8	1601.2	1601.4	1605.9	1606.6	1611.3
50°	1538.2	1513.6	1496.4	1481.0	1473.6	1467.6	1469.7	1471.2	1475.6	1476.0	1479.4
52.5°	1405.3	1389.0	1378.7	1369.2	1365.8	1362.4	1363.8	1363.2	1365.2	1364.2	1367.0
55°	1297.0	1289.3	1286.2	1282.6	1283.1	1282.2	1282.8	1279.4	1277.3	1274.7	1277.0
57.5°	1208.2	1207.1	1209.4	1210.9	1214.9	1216.4	1217.3	1213.3	1209.6	1206.1	1208.1
60°	1139.8	1141.5	1146.9	1151.3	1157.1	1159.8	1161.6	1159.2	1156.5	1153.7	1155.4
62.5°	1072.4	1074.9	1081.4	1086.3	1093.4	1097.1	1101.2	1101.4	1102.5	1101.4	1102.5
65°	994.0	997.2	1003.0	1007.1	1013.7	1017.0	1021.2	1021.9	1024.2	1023.7	1025.6
67.5°	934.4	937.4	942.3	946.1	952.0	955.4	959.0	959.2	960.1	959.8	961.7
70°	871.0	872.4	876.8	880.0	885.8	889.3	893.5	894.7	897.4	897.8	899.9
72.5°	803.3	802.6	805.3	806.7	811.1	813.8	819.1	822.0	826.5	827.6	829.2
75°	729.5	728.9	732.0	733.3	737.0	739.7	745.7	749.5	756.3	759.1	758.4
77.5°	644.1	645.7	651.5	654.7	659.7	663.2	671.0	677.1	689.5	695.0	689.4
80°	548.7	550.2	556.3	559.4	565.9	570.1	578.8	586.0	597.2	599.5	596.5
82.5°	431.4	431.8	437.2	439.6	448.1	454.3	465.2	471.0	477.9	476.8	476.0
85°	294.1	298.1	304.9	311.7	322.1	332.2	342.5	351.1	345.0	354.6	343.9
87.5°	157.2	156.8	165.9	164.5	179.2	187.6	196.6	200.8	205.6	204.7	204.8
90°	56.3	53.4	52.7	49.7	49.8	46.5	47.3	44.2	45.6	41.9	47.4
92.5°	60.2	57.6	54.8	52.2	49.5	46.9	44.1	41.4	38.8	36.1	38.8
95°	73.5	71.1	68.5	66.0	63.5	61.0	58.5	56.1	53.6	51.1	54.2
97.5°	90.6	89.2	87.7	86.3	84.8	83.5	82.0	80.6	79.0	77.6	79.7
100°	102.3	102.3	102.3	102.3	102.1	102.1	102.1	102.1	102.1	102.1	103.7
102.5°	195.3	190.6	185.9	181.0	176.3	171.6	166.9	162.1	157.3	152.6	159.6
105°	440.7	422.1	403.5	384.9	366.3	347.8	329.3	310.7	292.2	273.6	292.7
107.5°	817.7	783.8	750.0	716.2	682.3	648.6	614.8	581.0	547.2	513.4	543.7
110°	1141.0	1105.1	1069.1	1033.3	997.3	961.4	925.5	889.7	853.9	818.1	846.9



TEST NUMBER: P1444751
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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°	1271.9	1248.4	1225.3	1202.1	1179.0	1155.8	1132.7	1109.6	1086.6	1063.5	1077.5
115°	1254.4	1243.4	1232.2	1221.3	1210.1	1199.1	1188.0	1177.1	1166.2	1155.3	1156.1
117.5°	1150.3	1146.4	1142.8	1139.0	1135.3	1131.7	1128.1	1124.6	1121.0	1117.6	1109.8
120°	1000.2	1001.3	1002.3	1003.6	1004.8	1006.0	1007.2	1008.7	1010.1	1011.6	1001.0
122.5°	852.4	854.9	857.6	860.4	863.2	866.1	869.0	872.1	875.2	878.2	867.7
125°	723.7	726.2	728.9	731.5	734.0	737.0	739.9	743.0	746.0	749.2	740.3
127.5°	630.9	631.7	632.4	633.5	634.4	635.6	636.8	638.1	639.6	641.1	635.6
130°	572.0	571.1	569.9	569.0	567.9	567.4	566.6	566.1	565.5	565.3	562.7
132.5°	538.1	535.7	533.4	531.0	528.8	526.8	524.9	523.1	521.4	519.9	519.1
135°	519.4	516.2	513.0	509.9	506.8	504.1	501.3	498.8	496.2	493.9	494.3
137.5°	506.7	503.6	500.4	497.3	494.2	491.6	488.8	486.1	483.6	481.4	482.3
140°	501.9	498.8	495.5	492.6	489.7	486.8	484.1	481.6	478.9	476.7	477.3
142.5°	495.1	492.5	489.5	486.8	484.0	481.5	479.1	476.8	474.3	472.4	473.0
145°	490.1	488.1	485.9	483.7	481.8	480.1	478.0	476.4	474.7	473.5	473.7
147.5°	483.1	481.6	479.9	478.5	476.7	475.6	474.1	472.9	471.7	470.7	470.7
150°	473.6	472.7	471.5	470.6	469.6	468.7	467.8	467.0	466.2	465.6	465.5
152.5°	463.2	462.4	461.4	460.6	459.7	459.0	458.1	457.5	456.9	456.2	456.2
155°	451.0	450.5	450.2	449.8	449.4	449.3	448.9	448.8	448.5	448.5	448.5
157.5°	443.9	443.9	443.6	443.7	443.7	443.6	443.6	443.8	443.6	443.8	444.1
160°	440.3	440.1	439.8	439.7	439.6	439.3	439.2	439.1	439.0	438.9	439.3
162.5°	436.7	436.9	437.0	437.3	437.6	437.8	438.1	438.6	438.8	439.1	439.5
165°	437.3	437.2	437.2	437.0	437.1	437.1	437.2	437.3	437.4	437.6	438.1
167.5°	436.5	436.8	436.9	437.2	437.5	437.9	438.2	438.8	439.2	439.8	440.2
170°	439.2	439.2	439.2	439.2	439.2	439.4	439.5	439.6	439.8	440.0	440.3
172.5°	443.5	443.5	443.3	443.5	443.3	443.5	443.5	443.6	443.6	443.6	443.8
175°	444.8	445.2	445.4	445.7	445.8	446.0	446.2	446.5	446.6	446.9	446.9
177.5°	447.2	447.3	447.3	447.3	447.3	447.4	447.4	447.4	447.4	447.3	447.5
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



TEST NUMBER: P1444751
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CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4
2.5°	28537.2	28522.9	28537.5	28522.7	28537.5	28519.7	28531.8	28512.6	28517.5	28497.5	28502.6
5°	29616.2	29593.5	29605.6	29576.0	29579.1	29539.6	29538.9	29492.9	29480.8	29428.5	29405.5
7.5°	30488.7	30481.3	30485.5	30466.4	30464.3	30437.3	30424.5	30386.5	30362.6	30314.4	30281.5
10°	30350.6	30372.9	30378.6	30401.3	30406.0	30428.5	30433.2	30455.6	30460.3	30476.9	30477.1
12.5°	28969.2	29044.8	29062.8	29156.1	29195.4	29302.2	29359.4	29477.0	29546.9	29664.2	29736.2
15°	26307.9	26438.6	26490.7	26672.9	26773.7	26986.4	27120.0	27364.2	27536.5	27795.8	27980.9
17.5°	22645.3	22827.8	22910.2	23157.3	23318.4	23632.4	23858.6	24231.0	24516.0	24929.9	25257.9
20°	18583.6	18786.5	18898.3	19180.2	19370.3	19737.1	20019.5	20477.1	20858.7	21383.1	21831.6
22.5°	14654.2	14847.3	14971.5	15258.2	15472.3	15854.9	16170.5	16653.5	17081.0	17672.0	18209.6
25°	11251.6	11428.6	11540.8	11800.2	12001.3	12352.8	12654.3	13118.8	13537.1	14129.8	14681.1
27.5°	8601.7	8750.0	8858.2	9079.3	9256.7	9554.8	9813.7	10197.6	10558.1	11070.8	11561.8
30°	6585.3	6716.7	6822.0	7014.6	7179.0	7437.5	7665.2	7987.7	8285.9	8694.0	9084.5
32.5°	5032.3	5145.4	5239.2	5407.8	5557.0	5789.7	5994.8	6277.5	6533.5	6879.6	7200.9
35°	3836.9	4059.5	4043.8	4276.2	4313.7	4480.7	4663.7	4910.9	5137.6	5431.8	5705.3
37.5°	2978.1	3040.6	3107.7	3210.5	3318.5	3470.5	3625.1	3927.0	4037.8	4260.2	4486.5
40°	2401.5	2443.8	2488.1	2557.6	2633.2	2740.3	2852.9	2996.9	3144.5	3324.8	3508.9
42.5°	2030.3	2054.2	2082.4	2123.3	2169.8	2237.7	2313.0	2410.7	2513.3	2640.3	2769.8
45°	1813.9	1802.6	1810.9	1832.9	1861.0	1902.2	1949.8	2010.2	2077.0	2159.3	2246.8
47.5°	1612.3	1616.9	1619.3	1631.3	1646.3	1674.0	1702.8	1743.9	1823.2	1847.3	1895.0
50°	1479.0	1481.3	1480.6	1486.6	1494.3	1512.2	1530.9	1558.7	1586.4	1623.2	1658.3
52.5°	1367.4	1370.6	1370.1	1374.1	1378.2	1389.6	1401.4	1421.0	1439.2	1462.5	1482.8
55°	1279.3	1283.5	1285.2	1288.5	1290.5	1296.5	1301.2	1310.6	1318.3	1331.6	1343.8
57.5°	1211.5	1217.3	1220.0	1221.2	1218.7	1218.5	1216.9	1218.9	1220.5	1227.5	1234.4
60°	1158.1	1162.8	1163.5	1162.8	1158.4	1155.3	1150.2	1148.7	1147.9	1151.3	1155.0
62.5°	1102.2	1103.9	1102.7	1101.4	1096.4	1093.3	1088.1	1086.2	1084.4	1086.9	1088.9
65°	1024.9	1026.3	1024.9	1024.1	1019.6	1017.2	1012.8	1011.4	1008.8	1009.5	1009.0
67.5°	962.2	963.6	962.4	961.3	958.2	956.7	953.5	951.4	948.4	947.2	945.1
70°	899.5	900.7	898.9	897.8	894.3	892.9	889.8	889.2	886.8	886.3	883.9
72.5°	827.6	827.7	825.2	824.5	821.9	821.8	820.5	821.7	821.5	822.8	822.2
75°	754.0	752.9	749.8	749.3	747.3	748.2	746.8	748.6	748.8	751.5	751.9
77.5°	680.2	676.3	670.4	667.6	663.6	663.1	660.8	662.3	661.8	665.0	666.2
80°	587.0	582.3	574.7	571.1	566.4	565.6	563.6	565.6	564.6	568.3	570.8
82.5°	468.7	464.6	456.7	453.7	448.4	448.8	446.5	448.8	448.5	454.0	457.1
85°	346.7	344.0	335.8	328.6	320.6	315.9	311.2	310.4	309.1	311.2	313.1
87.5°	200.2	197.8	191.3	187.2	173.1	173.7	168.2	167.9	166.5	165.2	168.2
90°	47.4	52.2	52.5	56.9	57.6	62.6	63.6	68.4	69.2	74.1	75.6
92.5°	41.4	44.1	46.8	49.5	52.1	54.8	57.5	60.2	66.0	71.4	77.5
95°	57.3	60.4	63.4	66.6	69.7	72.8	75.9	78.9	87.4	95.8	104.3
97.5°	81.8	83.7	85.8	87.8	89.9	92.0	94.0	96.1	105.2	114.3	123.4
100°	105.3	106.9	108.6	110.3	111.9	113.6	115.2	116.8	134.6	152.1	169.7
102.5°	166.6	173.7	180.6	187.6	194.7	201.7	208.7	215.7	255.9	296.1	336.3
105°	312.0	331.1	350.4	369.5	388.7	407.8	427.2	446.3	510.6	574.9	639.4
107.5°	574.0	604.2	634.5	665.0	695.2	725.6	755.9	786.2	849.0	911.9	974.6
110°	875.7	904.7	933.5	962.4	991.3	1020.3	1049.2	1078.3	1116.0	1153.5	1191.2



TEST NUMBER: P1444751
 CATALOG NUMBER: EHBR1-36-UNV-TA-L935-UPL36

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	1091.6	1105.6	1119.7	1133.8	1147.9	1162.2	1176.2	1190.5	1209.3	1228.1	1246.9
115°	1157.0	1157.8	1158.8	1159.8	1160.8	1161.7	1163.0	1164.0	1170.0	1175.9	1181.9
117.5°	1102.0	1094.3	1086.7	1079.0	1071.4	1064.0	1056.4	1049.1	1047.8	1046.6	1045.5
120°	990.8	980.5	970.1	959.8	949.7	939.5	929.5	919.6	914.4	909.2	904.2
122.5°	857.4	847.1	836.9	826.7	816.6	806.6	796.8	786.9	783.2	779.7	776.2
125°	731.7	723.1	714.5	706.2	697.9	689.6	681.6	673.5	673.3	672.9	672.9
127.5°	630.4	625.1	620.0	614.9	610.1	605.2	600.4	595.6	598.0	600.1	602.3
130°	560.5	558.1	556.1	553.9	552.1	550.1	548.3	546.5	550.5	554.3	558.2
132.5°	518.9	518.4	518.2	518.0	518.0	518.1	518.2	518.2	522.9	527.2	531.8
135°	494.9	495.5	496.4	497.2	498.4	499.4	500.6	501.6	506.0	510.2	514.6
137.5°	483.3	484.3	485.5	486.8	488.3	489.7	491.3	492.8	496.2	499.7	503.0
140°	478.2	479.0	480.1	481.2	482.3	483.4	484.8	486.0	488.9	491.5	494.1
142.5°	473.9	474.6	475.6	476.6	477.7	478.8	480.0	481.1	483.2	485.0	487.3
145°	474.4	474.9	475.7	476.4	477.2	478.0	479.0	479.8	481.2	482.3	483.6
147.5°	471.2	471.5	472.0	472.6	473.2	473.7	474.2	474.7	475.6	476.4	477.3
150°	465.8	465.8	466.0	466.1	466.6	466.9	467.3	467.5	468.2	468.8	469.8
152.5°	456.4	456.4	456.7	456.7	457.1	457.3	457.4	457.8	458.5	459.1	459.8
155°	448.8	449.3	449.6	450.0	450.5	450.7	451.3	451.5	452.1	452.4	453.0
157.5°	444.5	444.7	445.2	445.5	445.9	446.3	446.7	447.0	447.5	447.8	448.3
160°	439.9	440.6	441.1	441.7	442.3	442.8	443.5	444.1	444.5	444.8	445.2
162.5°	439.9	440.3	440.7	441.0	441.5	441.8	442.2	442.6	443.3	443.7	444.5
165°	438.7	439.3	440.0	440.4	441.1	441.7	442.3	442.8	443.2	443.6	443.9
167.5°	440.8	441.2	441.9	442.6	443.1	443.6	444.3	444.8	445.2	445.5	445.8
170°	440.9	441.4	441.9	442.5	442.9	443.4	444.0	444.5	445.0	445.5	446.1
172.5°	444.4	444.7	445.1	445.5	445.9	446.4	446.8	447.2	447.6	448.0	448.5
175°	446.9	446.9	447.0	447.1	447.3	447.3	447.4	447.5	447.6	447.7	447.8
177.5°	447.6	447.9	448.1	448.3	448.5	448.7	448.9	449.1	449.1	449.1	449.1
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



TEST NUMBER: P1444751
 CATALOG NUMBER: EHBR1-36-UNV-TA-L935-UPL36

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4
2.5°	28482.7	28483.9	28460.9	28459.7	28438.2	28435.4	28414.5	28408.1	28391.0	28384.9	28367.6
5°	29346.8	29318.8	29254.2	29216.2	29152.3	29109.9	29040.8	28995.6	28928.9	28878.5	28811.4
7.5°	30220.8	30177.3	30104.7	30045.9	29957.3	29886.5	29782.7	29697.7	29585.3	29488.1	29370.0
10°	30477.1	30470.4	30451.9	30425.0	30383.8	30337.4	30266.8	30193.1	30094.7	29987.6	29856.5
12.5°	29846.4	29914.6	30007.4	30062.5	30129.4	30158.7	30186.2	30179.3	30161.3	30107.2	30031.3
15°	28248.8	28440.2	28693.6	28890.0	29115.9	29280.0	29461.4	29574.4	29687.2	29739.2	29771.0
17.5°	25707.3	26069.7	26524.1	26900.6	27335.1	27684.0	28066.6	28354.5	28650.6	28862.8	29054.6
20°	22442.8	22967.8	23610.4	24178.1	24838.2	25411.9	26040.6	26556.6	27088.8	27505.0	27898.9
22.5°	18901.9	19525.4	20302.3	21022.0	21873.0	22637.8	23500.8	24251.7	25035.9	25691.0	26324.4
25°	15420.0	16103.7	16953.2	17756.3	18720.0	19609.7	20633.0	21569.0	22582.5	23462.5	24331.8
27.5°	12240.5	12911.8	13779.1	14633.9	15653.0	16601.0	17697.4	18728.7	19882.7	20946.9	22035.5
30°	9627.3	10196.7	10974.3	11802.2	12807.4	13772.0	14880.4	15941.1	17141.5	18303.5	19529.7
32.5°	7627.4	8061.2	8672.6	9372.6	10300.1	11218.4	12273.7	13297.6	14479.8	15653.6	16928.9
35°	6057.5	6395.9	6862.0	7408.3	8193.8	8985.3	9918.8	10849.9	11952.8	13066.6	14306.2
37.5°	4776.7	5051.2	5416.3	5826.7	6456.7	7106.3	7871.7	8643.7	9602.0	10589.3	11712.7
40°	3730.1	3952.3	4236.5	4542.6	5018.3	5518.8	6110.8	6709.5	7479.4	8286.3	9216.0
42.5°	2930.3	3094.3	3295.1	3518.6	3962.5	4228.2	4629.6	5062.6	5628.7	6214.4	6913.4
45°	2353.3	2465.1	2604.3	2754.3	2960.3	3185.7	3460.7	3748.9	4286.8	4550.5	4975.6
47.5°	1965.2	2040.3	2128.9	2223.4	2344.9	2476.0	2639.0	2805.7	3021.3	3244.7	3506.8
50°	1703.9	1780.2	1810.6	1859.6	1929.9	2004.8	2096.7	2188.6	2304.3	2421.4	2556.3
52.5°	1509.9	1534.8	1567.9	1598.9	1642.5	1727.8	1755.4	1803.4	1868.3	1931.7	2002.5
55°	1361.8	1378.0	1399.5	1418.3	1444.6	1469.8	1506.1	1538.1	1581.4	1619.6	1666.6
57.5°	1246.5	1256.8	1271.8	1284.1	1301.1	1315.3	1336.6	1354.0	1378.8	1400.5	1428.9
60°	1162.6	1169.6	1179.6	1187.7	1198.5	1206.0	1216.5	1224.6	1237.8	1248.7	1264.6
62.5°	1094.3	1097.8	1104.4	1109.1	1116.0	1119.8	1125.4	1128.9	1136.2	1141.7	1150.6
65°	1012.2	1013.0	1017.4	1019.3	1024.8	1026.8	1031.4	1033.0	1039.0	1043.1	1050.9
67.5°	944.9	943.0	943.1	941.6	942.3	940.7	941.1	939.5	941.9	943.1	949.1
70°	883.5	880.9	880.0	877.2	876.3	873.4	872.6	870.0	869.7	868.9	871.0
72.5°	823.6	822.9	823.1	821.1	821.0	819.0	819.0	817.8	819.1	819.8	822.5
75°	754.8	755.0	756.3	754.6	755.1	753.4	754.1	752.5	753.3	753.0	755.7
77.5°	671.0	673.0	676.7	675.9	677.1	675.2	676.0	673.9	674.5	673.0	674.0
80°	576.8	581.0	585.9	585.7	587.8	586.4	588.3	586.2	587.0	584.5	583.9
82.5°	464.9	468.5	473.7	473.9	478.5	479.4	484.4	484.3	487.5	485.4	484.0
85°	317.8	320.3	324.8	327.4	332.1	335.0	339.9	341.9	338.3	344.8	339.7
87.5°	165.9	172.1	168.7	176.7	174.8	183.0	181.3	188.8	187.2	193.8	193.0
90°	81.7	83.6	89.9	92.1	99.4	102.2	104.0	100.7	102.2	99.1	100.7
92.5°	82.9	89.0	94.7	100.5	106.2	112.1	106.7	101.3	96.0	90.7	85.3
95°	112.7	121.2	129.6	138.1	146.6	155.0	145.9	136.9	127.9	118.8	109.8
97.5°	132.4	141.5	150.5	159.6	168.8	177.8	167.1	156.4	145.7	135.1	124.3
100°	187.2	204.7	222.2	239.8	257.4	274.9	255.0	235.0	215.2	195.1	175.2
102.5°	376.8	416.9	457.2	497.5	537.6	577.9	535.5	493.4	450.9	408.6	366.2
105°	703.8	768.1	832.5	896.8	961.2	1025.8	957.1	888.4	819.7	751.2	682.4
107.5°	1037.4	1100.0	1163.0	1225.7	1288.5	1351.5	1281.9	1212.1	1142.6	1072.9	1003.2
110°	1229.1	1266.7	1304.5	1342.4	1380.0	1418.0	1367.0	1316.4	1265.4	1214.5	1163.7



TEST NUMBER: P1444751
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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°	1265.8	1284.8	1303.6	1322.7	1341.5	1360.5	1324.1	1287.9	1251.4	1215.2	1178.7
115°	1187.9	1193.9	1200.1	1206.1	1212.1	1218.2	1193.7	1169.2	1144.7	1120.1	1095.5
117.5°	1044.5	1043.5	1042.3	1041.4	1040.2	1039.2	1025.5	1011.7	998.0	984.3	970.4
120°	899.0	894.1	889.0	883.9	878.9	873.7	867.9	862.1	856.2	850.3	844.3
122.5°	772.6	769.2	765.6	762.1	758.5	754.9	752.6	750.4	748.1	745.8	743.4
125°	672.9	672.6	672.4	672.3	672.0	671.9	670.6	669.5	668.2	667.1	665.7
127.5°	604.5	606.7	608.8	611.0	613.0	615.1	614.8	614.5	614.1	613.8	613.4
130°	561.9	566.0	569.7	573.4	577.1	581.0	580.1	579.5	578.8	578.1	577.5
132.5°	536.3	540.6	545.1	549.6	553.8	558.2	557.3	556.6	555.5	554.8	553.8
135°	518.7	523.0	527.0	531.3	535.3	539.4	538.3	537.3	536.1	535.1	534.0
137.5°	506.2	509.8	513.0	516.2	519.4	522.7	521.5	520.5	519.2	518.3	517.2
140°	496.8	499.4	501.9	504.6	507.1	509.6	508.2	506.9	505.5	504.1	502.7
142.5°	489.1	491.1	492.9	494.9	496.7	498.7	496.6	494.8	492.9	491.0	489.1
145°	484.9	486.2	487.4	488.6	489.5	490.9	488.6	486.6	484.2	482.2	479.9
147.5°	478.0	478.8	479.3	480.2	480.5	481.4	479.3	477.2	475.1	472.9	470.8
150°	470.2	471.0	471.6	472.2	472.7	473.4	471.2	469.0	466.7	464.6	462.4
152.5°	460.4	461.0	461.6	462.0	462.7	463.1	461.0	459.1	457.0	454.8	452.7
155°	453.3	453.7	454.0	454.3	454.4	454.8	453.0	451.4	449.6	447.9	446.1
157.5°	448.5	449.0	449.3	449.5	449.7	450.0	448.7	447.5	446.0	444.7	443.4
160°	445.6	445.8	446.2	446.4	446.6	446.8	445.6	444.7	443.6	442.4	441.1
162.5°	444.9	445.5	445.9	446.4	446.8	447.3	445.9	444.6	443.3	441.9	440.6
165°	444.2	444.6	444.8	445.2	445.3	445.6	444.6	443.8	442.8	442.0	440.9
167.5°	446.1	446.5	446.7	447.0	447.1	447.3	446.5	445.6	444.6	443.6	442.7
170°	446.4	446.8	447.3	447.7	448.1	448.4	447.7	447.0	446.2	445.5	444.6
172.5°	448.9	449.3	449.4	450.0	450.2	450.5	449.8	449.0	448.3	447.5	446.5
175°	447.8	448.0	448.2	448.2	448.2	448.3	447.6	447.0	446.5	445.8	445.2
177.5°	449.1	449.1	449.1	449.0	449.0	449.0	448.5	448.2	447.7	447.4	446.8
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



TEST NUMBER: P1444751
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CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4	28184.4
2.5°	28361.4	28349.1	28341.1	28331.0	28324.9	28317.0	28311.3	28306.4	28302.4	28298.8	28296.0
5°	28760.2	28696.8	28647.6	28594.3	28550.5	28507.0	28473.2	28445.4	28426.2	28411.8	28403.2
7.5°	29268.0	29151.9	29048.8	28940.1	28842.7	28746.9	28664.4	28593.3	28539.9	28505.3	28484.4
10°	29721.4	29566.1	29412.5	29250.7	29097.4	28948.6	28811.4	28690.7	28595.0	28531.5	28494.4
12.5°	29924.6	29792.3	29635.4	29459.9	29271.9	29081.8	28896.5	28729.4	28589.2	28495.0	28440.7
15°	29745.6	29691.3	29584.8	29448.5	29270.3	29073.7	28856.1	28651.6	28463.4	28341.5	28270.8
17.5°	29163.3	29239.2	29231.0	29178.9	29050.7	28885.3	28663.5	28433.8	28198.4	28035.4	27946.3
20°	28180.6	28418.9	28539.9	28601.9	28551.6	28444.3	28243.6	28010.5	27736.1	27523.2	27393.3
22.5°	26799.6	27220.4	27482.7	27674.6	27715.4	27678.7	27501.6	27279.8	26974.1	26718.1	26526.3
25°	25021.8	25638.4	26052.9	26377.8	26504.0	26536.6	26385.8	26165.3	25824.4	25526.3	25262.7
27.5°	22927.8	23729.0	24282.4	24718.9	24916.1	25001.5	24862.7	24637.7	24234.5	23878.6	23534.4
30°	20570.3	21520.9	22187.2	22710.7	22951.0	23063.9	22916.4	22665.3	22196.1	21767.9	21334.1
32.5°	18047.1	19087.3	19813.4	20381.9	20620.0	20726.2	20533.2	20251.2	19708.9	19204.4	18698.7
35°	15405.4	16455.2	17187.4	17740.8	17940.4	18004.4	17757.7	17431.7	16830.9	16277.1	15725.6
37.5°	12709.8	13686.6	14352.1	14848.8	14972.2	14983.3	14686.0	14326.0	13694.5	13148.4	12599.4
40°	10037.6	10861.3	11398.6	11796.1	11839.0	11800.8	11477.6	11115.2	10524.4	10035.2	9553.3
42.5°	7520.4	8142.2	8525.6	8798.0	8781.8	8706.3	8409.9	8098.5	7611.1	7238.5	6859.2
45°	5363.9	5774.0	5998.1	6157.5	6106.3	6034.3	5803.7	5585.4	5254.2	5013.5	4758.7
47.5°	3726.4	4216.0	4130.8	4442.5	4173.9	4351.3	3982.0	3778.3	3602.6	3474.7	3330.7
50°	2667.8	2780.0	2834.2	2871.2	2851.5	2824.2	2757.9	2698.6	2618.3	2559.7	2491.6
52.5°	2060.3	2116.4	2147.1	2169.3	2164.9	2155.0	2126.1	2099.6	2062.1	2037.2	2007.4
55°	1745.1	1746.0	1802.5	1778.2	1814.0	1772.1	1788.5	1742.1	1749.6	1709.7	1682.9
57.5°	1450.1	1473.1	1483.5	1493.4	1490.6	1488.9	1477.7	1472.1	1459.5	1455.6	1446.6
60°	1275.6	1287.6	1290.2	1294.7	1290.9	1289.3	1280.6	1277.5	1269.0	1267.4	1261.5
62.5°	1155.9	1162.1	1162.1	1162.1	1157.0	1152.2	1142.5	1137.4	1130.2	1128.7	1125.2
65°	1056.1	1062.4	1063.5	1064.8	1061.1	1057.4	1048.8	1043.3	1035.8	1033.0	1029.0
67.5°	952.9	959.7	962.1	965.5	963.4	962.6	956.8	954.6	949.7	948.6	944.9
70°	872.0	874.8	874.6	874.5	869.9	865.8	859.0	855.8	850.7	849.6	846.3
72.5°	823.9	825.8	824.6	822.8	816.9	810.8	802.8	797.0	790.3	786.1	781.4
75°	756.1	758.7	757.0	755.9	750.5	746.5	740.2	736.9	732.2	730.9	727.6
77.5°	672.8	674.0	671.3	671.0	667.0	664.4	659.6	658.8	655.4	655.5	652.3
80°	580.1	579.4	575.1	574.2	570.1	569.1	565.3	565.5	562.8	563.9	561.7
82.5°	477.4	474.7	469.0	467.3	462.6	462.2	459.7	461.8	460.1	462.6	461.1
85°	342.0	342.9	340.3	340.3	339.0	339.3	339.1	340.7	341.0	343.2	343.1
87.5°	190.7	193.4	193.0	195.4	195.3	198.1	199.1	203.3	203.8	207.6	207.6
90°	97.5	99.5	96.3	98.4	97.0	100.3	99.6	103.0	101.8	104.5	102.3
92.5°	79.9	74.6	69.3	63.9	61.2	58.3	56.0	52.9	50.5	47.6	44.9
95°	100.7	91.6	82.6	73.5	70.4	67.2	64.2	61.1	57.9	54.8	51.8
97.5°	113.7	103.0	92.3	81.6	78.9	76.2	73.4	70.8	68.1	65.4	62.7
100°	155.2	135.2	115.3	95.3	93.0	90.7	88.5	86.2	83.9	81.6	79.3
102.5°	323.8	281.3	238.9	196.5	188.4	180.5	172.4	164.3	156.3	148.3	140.2
105°	613.7	544.9	476.2	407.4	385.6	363.7	341.9	319.9	298.1	276.2	254.4
107.5°	933.4	863.6	793.9	724.1	683.8	643.4	603.1	562.6	522.3	481.8	441.5
110°	1112.8	1061.8	1010.8	959.7	927.4	894.8	862.3	829.7	797.3	764.6	732.0



TEST NUMBER: P1444751
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CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1142.2	1105.8	1069.4	1032.7	1018.0	1003.2	988.5	973.8	959.1	944.1	929.4
115°	1070.8	1046.3	1021.5	996.7	991.7	986.4	981.3	975.9	970.7	965.3	960.0
117.5°	956.6	942.8	928.9	914.9	915.8	916.7	917.5	918.2	919.0	919.7	920.3
120°	838.4	832.5	826.5	820.5	824.9	829.4	833.8	838.1	842.4	846.6	850.8
122.5°	741.1	738.7	736.4	733.9	739.3	744.6	749.9	755.2	760.2	765.2	770.3
125°	664.6	663.3	662.1	660.6	666.2	671.5	676.9	682.0	687.4	692.3	697.3
127.5°	613.0	612.7	612.3	611.9	615.9	619.6	623.3	626.9	630.5	633.9	637.2
130°	576.8	576.0	575.3	574.5	578.1	581.4	584.9	588.0	591.3	594.2	597.1
132.5°	553.0	552.0	551.2	550.1	552.8	555.1	557.6	559.7	561.9	563.8	565.7
135°	532.9	531.7	530.7	529.5	531.8	534.1	536.4	538.3	540.4	542.0	543.8
137.5°	516.1	514.9	513.7	512.5	514.7	516.7	518.6	520.4	522.0	523.8	525.2
140°	501.4	499.8	498.7	497.1	499.0	500.7	502.6	504.1	505.7	507.0	508.4
142.5°	487.3	485.2	483.6	481.5	482.9	484.2	485.3	486.5	487.7	488.6	489.4
145°	477.8	475.4	473.4	471.1	472.1	473.1	474.1	475.1	475.7	476.4	477.1
147.5°	468.8	466.6	464.4	462.3	463.2	463.9	464.5	464.9	465.8	466.1	466.6
150°	460.2	457.8	455.5	453.3	454.0	454.4	455.0	455.5	456.2	456.3	456.8
152.5°	450.6	448.5	446.3	444.0	444.6	444.9	445.4	445.6	446.1	446.4	446.7
155°	444.3	442.5	440.6	438.7	439.2	439.5	439.8	440.0	440.3	440.5	440.7
157.5°	441.9	440.3	439.0	437.4	437.5	437.6	437.7	437.5	437.6	437.4	437.4
160°	440.0	438.7	437.5	436.1	436.1	436.1	436.2	436.0	435.9	435.8	435.7
162.5°	439.1	437.7	436.1	434.6	434.6	434.8	434.7	434.5	434.5	434.3	434.1
165°	440.0	438.9	437.8	436.7	436.6	436.3	436.2	435.8	435.6	435.2	434.9
167.5°	441.6	440.6	439.4	438.2	438.3	438.4	438.4	438.3	438.3	438.1	438.0
170°	443.7	442.8	442.0	441.1	440.9	440.8	440.6	440.4	440.0	439.8	439.6
172.5°	445.6	444.8	443.9	442.9	442.9	442.7	442.6	442.5	442.2	441.9	441.8
175°	444.5	443.9	443.1	442.5	442.3	442.2	442.1	442.0	441.8	441.7	441.5
177.5°	446.5	446.0	445.5	445.0	444.8	444.8	444.7	444.6	444.6	444.6	444.5
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



TEST NUMBER: P1444751
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CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	28184.4	28184.4
2.5°	28293.5	28292.1
5°	28398.7	28397.0
7.5°	28478.7	28478.2
10°	28488.1	28493.0
12.5°	28431.3	28435.3
15°	28265.3	28273.0
17.5°	27947.9	27958.1
20°	27401.2	27411.8
22.5°	26515.9	26520.3
25°	25228.7	25210.5
27.5°	23473.8	23442.4
30°	21243.0	21212.6
32.5°	18583.3	18564.2
35°	15589.3	15577.4
37.5°	12437.2	12412.7
40°	9377.1	9305.8
42.5°	6693.1	6568.1
45°	4625.5	4477.4
47.5°	3229.1	3137.5
50°	2447.5	2418.0
52.5°	1994.4	1987.5
55°	1682.8	1679.7
57.5°	1448.6	1447.5
60°	1264.6	1264.3
62.5°	1127.5	1128.0
65°	1030.9	1031.0
67.5°	945.8	945.2
70°	847.5	846.8
72.5°	779.9	778.7
75°	727.6	726.9
77.5°	653.3	652.1
80°	563.2	561.7
82.5°	463.2	461.6
85°	345.5	345.7
87.5°	211.4	211.4
90°	105.0	102.3
92.5°	42.5	40.0
95°	48.7	45.6
97.5°	60.1	57.4
100°	77.0	74.8
102.5°	132.2	124.2
105°	232.6	210.7
107.5°	401.1	360.7
110°	699.5	667.0



TEST NUMBER: P1444751
CATALOG NUMBER: EHBR1-36-UNV-TA-L935-UPL36

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	914.5	899.6
115°	954.5	949.1
117.5°	920.8	921.3
120°	854.8	858.8
122.5°	775.0	779.8
125°	702.0	706.8
127.5°	640.4	643.5
130°	599.6	602.4
132.5°	567.5	568.9
135°	545.2	546.5
137.5°	526.3	527.6
140°	509.2	510.3
142.5°	490.1	490.8
145°	477.6	478.1
147.5°	466.5	466.9
150°	456.9	457.2
152.5°	446.6	446.9
155°	440.7	440.7
157.5°	437.0	436.9
160°	435.4	435.2
162.5°	434.0	433.8
165°	434.3	434.0
167.5°	437.8	437.8
170°	439.2	439.0
172.5°	441.6	441.3
175°	441.4	441.3
177.5°	444.5	444.3
180°	446.9	446.9

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



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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-6

Test Date: 08/01/2025

Luminaire Tested: EHBR-60-L935-N

Data in this report applies to families of products including EHBR-60-L935-N

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-6
 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-L935-N**
 Description: Elevate Round Highbay at, 60000 lumens, 3500K 90CRI LEDs with N lens

Spectral Parameters

CCT (K): 3406
 CIE u': 0.2394
 CIE v': 0.5094
 Duv: -0.0028
 CIE x: 0.4076
 CIE y: 0.3856
 CIE z: 0.2068
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 582
 Purity: 38.0517
 Rf: 91.3
 Rg: 100

CRI (Ra):	94.6		
R1:	96.6	R9:	63.8
R2:	98.4	R10:	94.7
R3:	98.1	R11:	96.6
R4:	95.8	R12:	80.9
R5:	96.2	R13:	97.4
R6:	95.4	R14:	98.3
R7:	91.8	R15:	93.1
R8:	84.4		



Test Conditions

Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-6

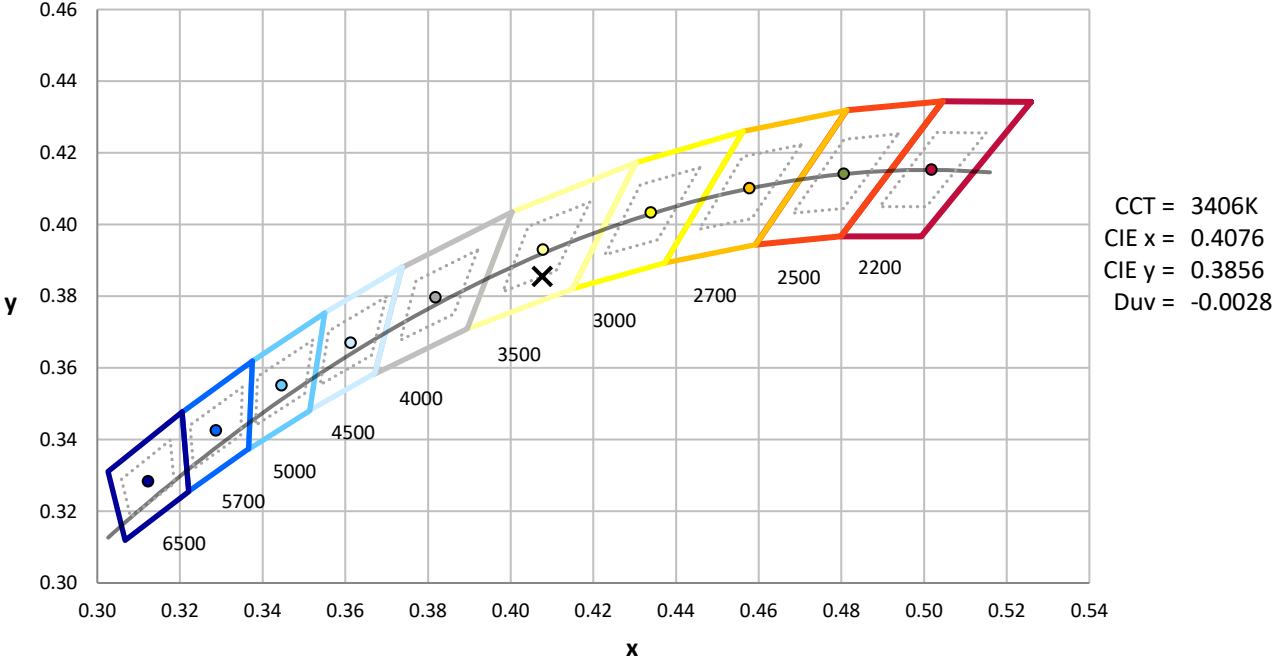
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208	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: SP1-2506-472-6

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-6

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	140	NR	620	338	NR	750	8	NR	880	0	NR
365	0	NR	495	159	NR	625	339	NR	755	7	NR	885	0	NR
370	0	NR	500	182	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	202	NR	635	653	NR	765	5	NR	895	0	NR
380	0	NR	510	216	NR	640	222	NR	770	4	NR	900	0	NR
385	0	NR	515	228	NR	645	214	NR	775	3	NR	905	0	NR
390	0	NR	520	236	NR	650	185	NR	780	3	NR	910	0	NR
395	1	NR	525	242	NR	655	157	NR	785	3	NR	915	0	NR
400	2	NR	530	248	NR	660	133	NR	790	2	NR	920	0	NR
405	3	NR	535	253	NR	665	113	NR	795	2	NR	925	0	NR
410	4	NR	540	258	NR	670	103	NR	800	2	NR	930	0	NR
415	7	NR	545	264	NR	675	85	NR	805	1	NR	935	0	NR
420	13	NR	550	270	NR	680	72	NR	810	1	NR	940	0	NR
425	22	NR	555	278	NR	685	62	NR	815	1	NR	945	0	NR
430	38	NR	560	286	NR	690	53	NR	820	1	NR	950	0	NR
435	65	NR	565	295	NR	695	45	NR	825	1	NR	955	0	NR
440	108	NR	570	303	NR	700	39	NR	830	1	NR	960	0	NR
445	193	NR	575	311	NR	705	33	NR	835	1	NR	965	0	NR
450	312	NR	580	319	NR	710	28	NR	840	1	NR	970	0	NR
455	300	NR	585	326	NR	715	24	NR	845	0	NR	975	0	NR
460	214	NR	590	332	NR	720	20	NR	850	0	NR	980	0	NR
465	184	NR	595	333	NR	725	17	NR	855	0	NR	985	0	NR
470	153	NR	600	336	NR	730	15	NR	860	0	NR	990	0	NR
475	122	NR	605	337	NR	735	12	NR	865	0	NR	995	0	NR
480	115	NR	610	367	NR	740	10	NR	870	0	NR	1000	0	NR
485	125	NR	615	390	NR	745	9	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-6

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.62

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	140	NR	620	338	NR	750	8	NR	880	0	NR
365	0	NR	495	159	NR	625	339	NR	755	7	NR	885	0	NR
370	0	NR	500	182	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	202	NR	635	653	NR	765	5	NR	895	0	NR
380	0	NR	510	216	NR	640	222	NR	770	4	NR	900	0	NR
385	0	NR	515	228	NR	645	214	NR	775	3	NR	905	0	NR
390	0	NR	520	236	NR	650	185	NR	780	3	NR	910	0	NR
395	1	NR	525	242	NR	655	157	NR	785	3	NR	915	0	NR
400	2	NR	530	248	NR	660	133	NR	790	2	NR	920	0	NR
405	3	NR	535	253	NR	665	113	NR	795	2	NR	925	0	NR
410	4	NR	540	258	NR	670	103	NR	800	2	NR	930	0	NR
415	7	NR	545	264	NR	675	85	NR	805	1	NR	935	0	NR
420	13	NR	550	270	NR	680	72	NR	810	1	NR	940	0	NR
425	22	NR	555	278	NR	685	62	NR	815	1	NR	945	0	NR
430	38	NR	560	286	NR	690	53	NR	820	1	NR	950	0	NR
435	65	NR	565	295	NR	695	45	NR	825	1	NR	955	0	NR
440	108	NR	570	303	NR	700	39	NR	830	1	NR	960	0	NR
445	193	NR	575	311	NR	705	33	NR	835	1	NR	965	0	NR
450	312	NR	580	319	NR	710	28	NR	840	1	NR	970	0	NR
455	300	NR	585	326	NR	715	24	NR	845	0	NR	975	0	NR
460	214	NR	590	332	NR	720	20	NR	850	0	NR	980	0	NR
465	184	NR	595	333	NR	725	17	NR	855	0	NR	985	0	NR
470	153	NR	600	336	NR	730	15	NR	860	0	NR	990	0	NR
475	122	NR	605	337	NR	735	12	NR	865	0	NR	995	0	NR
480	115	NR	610	367	NR	740	10	NR	870	0	NR	1000	0	NR
485	125	NR	615	390	NR	745	9	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-6

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR M/P: 3.3

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	140	NR	620	338	NR	750	8	NR	880	0	NR
365	0	NR	495	159	NR	625	339	NR	755	7	NR	885	0	NR
370	0	NR	500	182	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	202	NR	635	653	NR	765	5	NR	895	0	NR
380	0	NR	510	216	NR	640	222	NR	770	4	NR	900	0	NR
385	0	NR	515	228	NR	645	214	NR	775	3	NR	905	0	NR
390	0	NR	520	236	NR	650	185	NR	780	3	NR	910	0	NR
395	1	NR	525	242	NR	655	157	NR	785	3	NR	915	0	NR
400	2	NR	530	248	NR	660	133	NR	790	2	NR	920	0	NR
405	3	NR	535	253	NR	665	113	NR	795	2	NR	925	0	NR
410	4	NR	540	258	NR	670	103	NR	800	2	NR	930	0	NR
415	7	NR	545	264	NR	675	85	NR	805	1	NR	935	0	NR
420	13	NR	550	270	NR	680	72	NR	810	1	NR	940	0	NR
425	22	NR	555	278	NR	685	62	NR	815	1	NR	945	0	NR
430	38	NR	560	286	NR	690	53	NR	820	1	NR	950	0	NR
435	65	NR	565	295	NR	695	45	NR	825	1	NR	955	0	NR
440	108	NR	570	303	NR	700	39	NR	830	1	NR	960	0	NR
445	193	NR	575	311	NR	705	33	NR	835	1	NR	965	0	NR
450	312	NR	580	319	NR	710	28	NR	840	1	NR	970	0	NR
455	300	NR	585	326	NR	715	24	NR	845	0	NR	975	0	NR
460	214	NR	590	332	NR	720	20	NR	850	0	NR	980	0	NR
465	184	NR	595	333	NR	725	17	NR	855	0	NR	985	0	NR
470	153	NR	600	336	NR	730	15	NR	860	0	NR	990	0	NR
475	122	NR	605	337	NR	735	12	NR	865	0	NR	995	0	NR
480	115	NR	610	367	NR	740	10	NR	870	0	NR	1000	0	NR
485	125	NR	615	390	NR	745	9	NR	875	0	NR			

Summary

$R_f = 91.3$
 $R_g = 100$
 $CIE R_a = 94.6$
 $R_9 = 63.8$



Color Vector Graphics

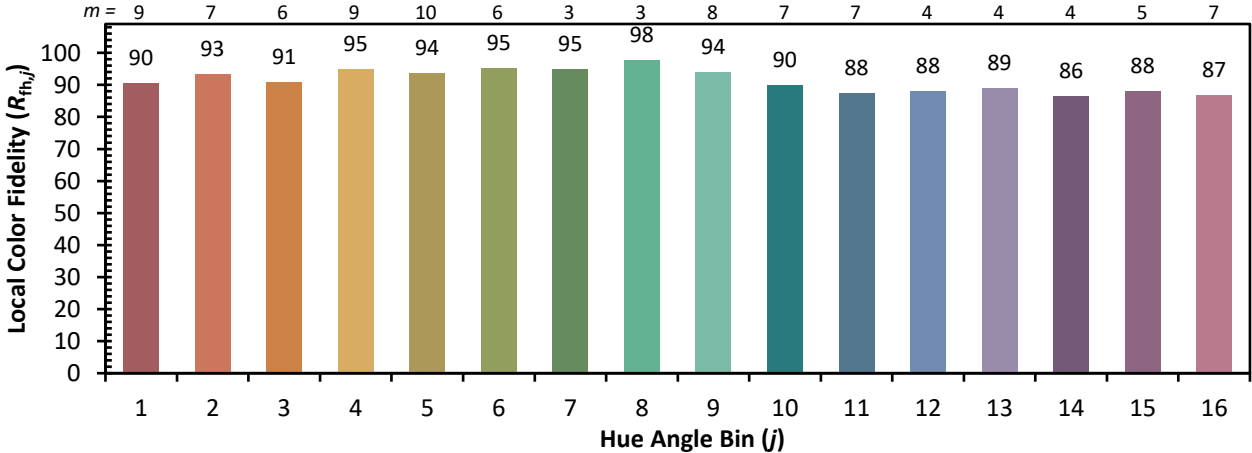


Individual Sample Fidelity Index ($R_{f,i}$)

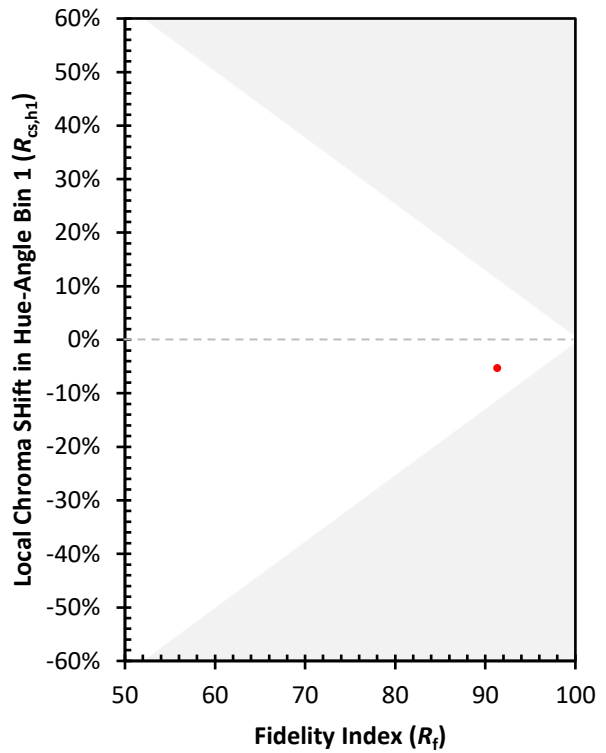
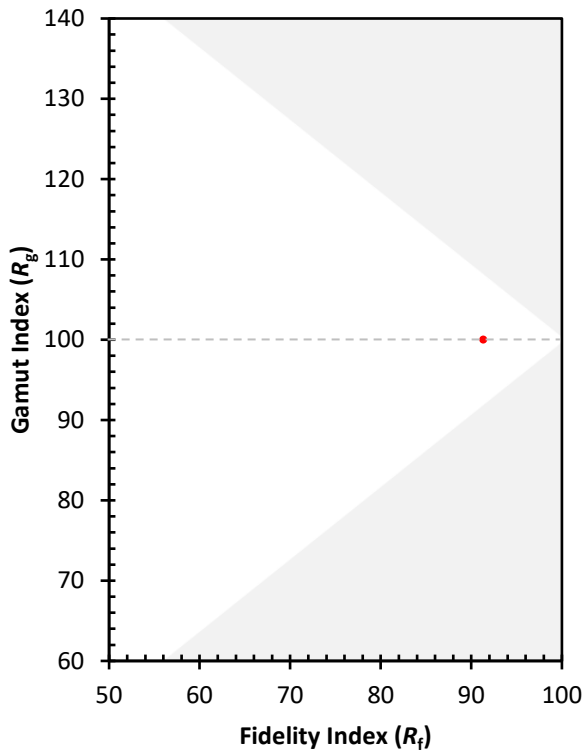
CES01 = 86	CES26 = 94	CES51 = 97	CES76 = 90
CES02 = 63	CES27 = 92	CES52 = 98	CES77 = 86
CES03 = 31	CES28 = 97	CES53 = 98	CES78 = 86
CES04 = 70	CES29 = 97	CES54 = 93	CES79 = 90
CES05 = 50	CES30 = 92	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 97	CES56 = 96	CES81 = 74
CES07 = 43	CES32 = 89	CES57 = 94	CES82 = 96
CES08 = 41	CES33 = 99	CES58 = 95	CES83 = 94
CES09 = 29	CES34 = 94	CES59 = 98	CES84 = 95
CES10 = 75	CES35 = 97	CES60 = 92	CES85 = 79
CES11 = 58	CES36 = 81	CES61 = 93	CES86 = 79
CES12 = 64	CES37 = 96	CES62 = 86	CES87 = 92
CES13 = 44	CES38 = 87	CES63 = 94	CES88 = 98
CES14 = 74	CES39 = 99	CES64 = 91	CES89 = 84
CES15 = 72	CES40 = 97	CES65 = 90	CES90 = 96
CES16 = 48	CES41 = 96	CES66 = 89	CES91 = 75
CES17 = 49	CES42 = 94	CES67 = 88	CES92 = 76
CES18 = 56	CES43 = 93	CES68 = 89	CES93 = 86
CES19 = 71	CES44 = 99	CES69 = 90	CES94 = 74
CES20 = 67	CES45 = 97	CES70 = 88	CES95 = 83
CES21 = 86	CES46 = 97	CES71 = 83	CES96 = 92
CES22 = 78	CES47 = 91	CES72 = 94	CES97 = 96
CES23 = 91	CES48 = 91	CES73 = 83	CES98 = 95
CES24 = 90	CES49 = 96	CES74 = 90	CES99 = 92
CES25 = 71	CES50 = 98	CES75 = 85	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)