

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: P1444700

Luminaire Tested: EHBR1-54-UNV-TA-L930-UPL18

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444700
REPORT IS A COMBINATION OF REPORTS P1444325 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-54-UNV-TA-L930-UPL18
Description: Elevate Round Highbay at, 54000 lumens, 3000K 90CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

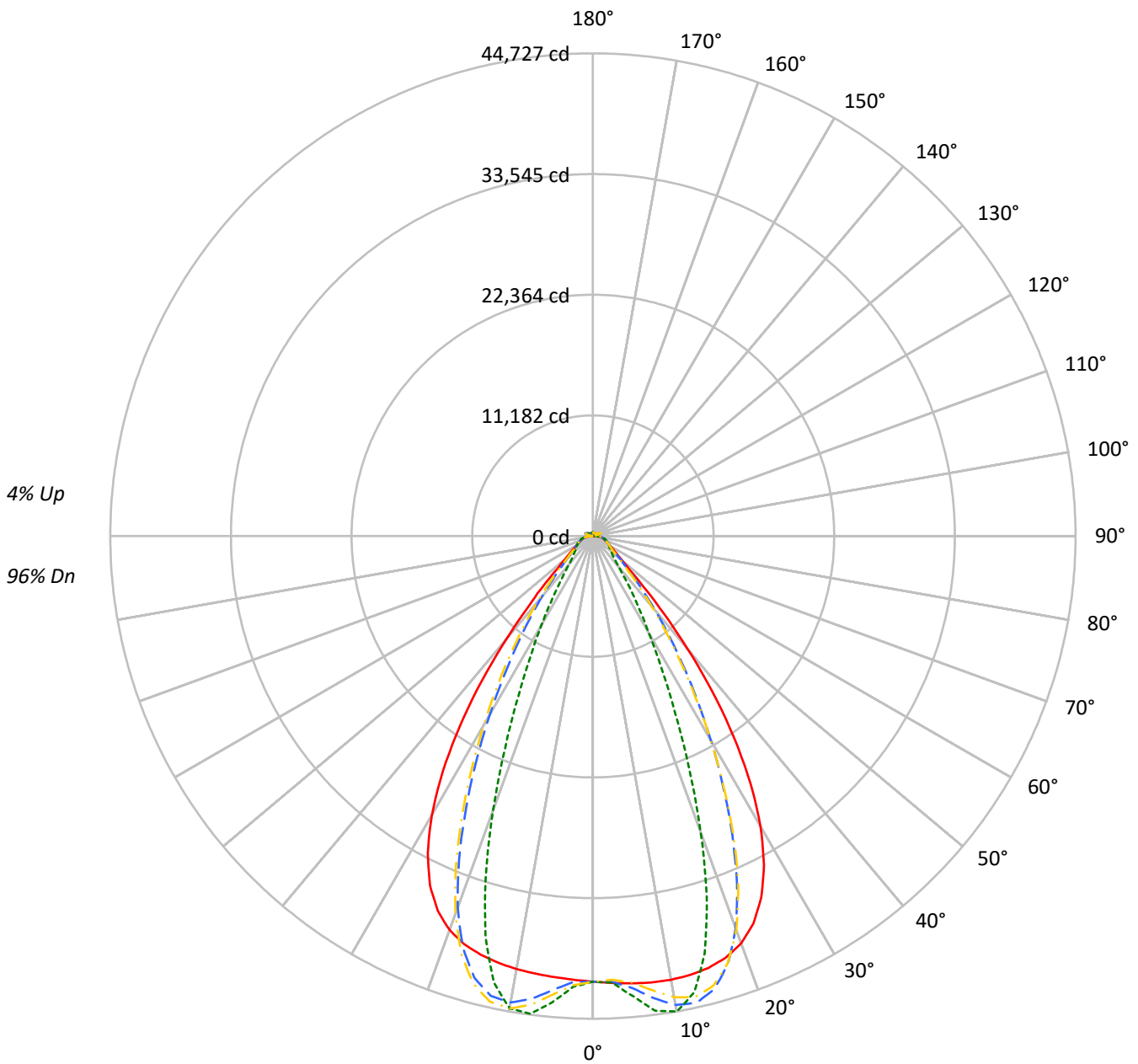
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49444.0 lumens
Efficiency: N/A
Efficacy: 160.6 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): 307.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	98	98	98	96
1	111	108	105	102	108	105	102	100	100	98	96	96	94	92	92	90	89	89	89	89	87
2	104	98	93	89	102	96	92	88	92	89	85	89	86	83	85	83	81	81	81	81	79
3	98	90	84	80	95	89	83	79	85	81	77	82	79	75	79	76	74	74	74	74	72
4	92	83	77	72	90	82	76	71	79	74	70	77	72	69	74	71	68	68	68	68	66
5	87	77	71	66	85	76	70	65	74	68	64	72	67	63	70	66	62	62	62	62	61
6	82	72	65	60	80	71	64	60	69	63	59	67	62	58	65	61	58	58	58	58	56
7	77	67	60	56	76	66	60	55	64	59	55	63	58	54	61	57	54	54	54	54	52
8	73	63	56	52	72	62	56	51	61	55	51	59	54	50	58	53	50	50	50	50	48
9	70	59	52	48	68	58	52	48	57	51	47	56	51	47	55	50	47	47	47	47	45
10	66	55	49	45	65	55	49	45	54	48	44	53	48	44	52	47	44	44	44	44	42

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	193886	193886	193886	193886
5°	194825	200506	192098	203132
10°	196451	210516	191740	209123
15°	197415	190831	191405	183147
20°	195374	142162	188979	131534
25°	184929	89910	178817	81577
30°	161549	54029	155292	49377
35°	124329	33903	117178	30032
40°	78649	21267	71958	19984
45°	40538	16568	39866	16296
50°	23767	14737	23038	14507
55°	18208	13943	17534	13817
60°	15406	14243	14751	14058
65°	14471	14874	13917	14366
70°	14138	15575	13432	14988
75°	15116	16517	14299	15787
80°	15642	18290	14183	16696
85°	14731	17646	11903	15112

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 62037 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4068.9	8.2
10°-20°	11446.2	23.1
20°-30°	13036.3	26.4
30°-40°	9369.9	19.0
40°-50°	4321.4	8.7
50°-60°	2068.0	4.2
60°-70°	1508.9	3.1
70°-80°	1146.3	2.3
80°-90°	524.3	1.1
90°-100°	60.1	0.1
100°-110°	298.8	0.6
110°-120°	551.1	1.1
120°-130°	349.4	0.7
130°-140°	240.6	0.5
140°-150°	191.2	0.4
150°-160°	141.5	0.3
160°-170°	89.4	0.2
170°-180°	31.4	0.1
0°-30°	28551.5	57.7
0°-40°	37921.4	76.7
0°-60°	44310.8	89.6
0°-90°	47490.3	96.0
90°-120°	910.0	1.8
90°-150°	1691.3	3.4
90°-180°	1954.0	4.0
0°-180°	49444.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	41287	41287	41287	41287	41287	
5°	41598	42811	41016	43372	41598	3975
15°	41417	40035	40156	38423	41417	11669
25°	36930	17955	35710	16291	36930	16741
35°	22819	6222	21506	5512	22819	14005
45°	6559	2681	6450	2637	6559	5578
55°	2461	1884	2370	1867	2461	2271
65°	1510	1552	1453	1500	1510	1509
75°	1065	1164	1007	1112	1065	1107
85°	506	606	409	519	506	476
90°	126	163	29	38	126	80
95°	27	30	27	30	27	26
105°	112	141	78	141	112	147
115°	486	578	509	578	486	450
125°	383	384	431	386	383	348
135°	325	272	348	276	325	253
145°	309	285	326	292	309	195
155°	303	297	320	302	303	141
165°	315	310	325	313	315	89
175°	329	331	334	332	329	31
180°	334	334	334	334	334	



TEST NUMBER: P1444700
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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41444.4	41441.0	41440.5	41437.5	41436.7	41436.7	41435.4	41432.0	41429.9	41425.1	41419.8
5°	41598.2	41596.3	41597.4	41597.8	41594.8	41588.4	41578.3	41565.9	41550.3	41535.6	41522.5
7.5°	41717.1	41720.0	41723.7	41722.9	41713.9	41698.7	41678.0	41666.5	41673.3	41695.8	41747.2
10°	41738.8	41756.6	41763.4	41761.3	41743.3	41730.3	41735.3	41779.0	41866.1	41982.3	42141.1
12.5°	41654.2	41675.9	41675.1	41668.0	41650.5	41668.2	41731.6	41861.8	42048.5	42277.6	42546.3
15°	41416.6	41444.7	41436.7	41427.5	41415.8	41474.1	41600.6	41826.8	42115.1	42438.1	42768.7
17.5°	40955.2	40989.2	40972.7	40962.1	40952.3	41061.6	41279.0	41610.1	41973.2	42338.6	42652.0
20°	40155.0	40177.7	40138.4	40119.9	40135.6	40349.6	40669.8	41092.7	41475.5	41821.0	42035.2
22.5°	38849.0	38877.3	38803.4	38794.9	38886.0	39214.8	39620.1	40092.8	40452.5	40726.3	40808.8
25°	36930.2	36958.0	36870.3	36922.8	37077.9	37525.7	38008.3	38514.1	38820.9	39023.7	38967.7
27.5°	34340.3	34365.7	34282.5	34389.6	34634.8	35223.3	35791.4	36339.9	36613.3	36755.5	36575.4
30°	31073.9	31126.7	31028.3	31177.8	31552.2	32316.3	32967.0	33582.1	33854.8	33963.0	33682.7
32.5°	27194.5	27269.6	27161.1	27383.6	27905.9	28823.7	29562.9	30250.3	30551.8	30675.3	30358.7
35°	22818.9	22926.6	22802.2	23136.0	23780.4	24802.4	25621.0	26388.3	26745.5	26920.5	26601.5
37.5°	18183.2	18285.8	18218.5	18663.9	19371.5	20430.8	21266.4	22094.2	22497.5	22760.2	22508.8
40°	13631.9	13725.9	13776.8	14286.2	14951.7	15950.1	16752.6	17571.8	18022.9	18352.7	18197.6
42.5°	9621.5	9716.2	9889.4	10380.9	10935.9	11762.3	12449.7	13185.1	13616.2	13968.0	13908.1
45°	6558.8	6668.8	6885.7	7288.2	7689.6	8282.4	8787.3	9359.2	9711.3	10033.5	10037.3
47.5°	4596.1	4673.3	4867.2	5142.1	5403.7	6145.9	6176.4	6457.5	6694.1	6935.0	6966.2
50°	3542.1	3588.6	3691.5	3844.6	3992.8	4185.5	4361.9	4565.6	4711.3	4843.3	4874.9
52.5°	2911.4	2940.9	2993.2	3076.2	3162.2	3267.0	3361.4	3473.2	3552.5	3623.2	3638.1
55°	2460.6	2485.1	2563.0	2578.7	2677.2	2696.1	2738.0	2806.1	2852.2	2894.5	2905.1
57.5°	2120.5	2138.2	2154.8	2190.1	2220.4	2264.5	2299.9	2348.8	2377.8	2408.4	2411.1
60°	1852.1	1864.9	1876.7	1901.2	1921.8	1952.5	1976.9	2010.1	2030.9	2053.9	2056.5
62.5°	1652.4	1661.5	1669.4	1685.6	1700.3	1723.8	1743.2	1771.0	1790.4	1808.1	1812.1
65°	1510.4	1517.2	1522.2	1534.5	1547.3	1567.3	1584.9	1607.5	1621.8	1635.4	1638.3
67.5°	1384.7	1391.1	1396.2	1407.4	1416.3	1431.3	1443.1	1460.0	1470.7	1481.6	1482.0
70°	1240.5	1246.4	1250.4	1260.9	1268.0	1280.8	1290.4	1305.7	1316.7	1328.8	1331.8
72.5°	1140.7	1144.2	1149.6	1159.1	1169.0	1182.8	1195.5	1211.4	1224.7	1237.3	1242.6
75°	1064.8	1068.9	1072.5	1080.6	1087.5	1099.1	1108.6	1123.1	1134.8	1148.2	1154.8
77.5°	955.3	960.0	963.1	971.2	977.1	988.3	995.3	1008.3	1017.9	1030.1	1036.0
80°	822.9	827.3	829.5	837.1	841.9	852.1	859.1	871.5	879.6	891.8	899.0
82.5°	676.2	680.5	681.6	688.9	691.4	699.9	704.9	717.8	727.6	743.5	754.5
85°	506.3	507.9	510.3	508.5	518.7	519.4	530.9	533.1	548.4	552.4	569.8
87.5°	309.6	314.1	316.4	323.5	326.5	333.6	335.7	343.2	347.4	355.9	359.9
90°	126.5	133.2	135.3	143.2	145.1	152.3	153.7	161.7	163.7	172.0	174.8
92.5°	24.2	25.6	26.8	28.5	29.9	32.1	33.9	35.5	36.9	39.0	41.9
95°	27.1	28.6	30.1	31.6	33.2	34.8	36.3	37.8	39.3	40.8	45.1
97.5°	33.5	34.8	36.2	37.4	38.8	40.1	41.4	42.7	44.0	45.3	50.5
100°	42.8	43.9	45.0	46.2	47.2	48.4	49.5	50.6	51.7	52.8	62.6
102.5°	68.3	72.2	76.2	80.1	84.0	87.9	92.0	95.7	99.7	103.6	124.3
105°	112.3	122.9	133.8	144.4	155.1	165.9	176.7	187.1	197.8	208.5	242.4
107.5°	187.8	207.5	227.3	247.3	267.2	286.9	306.8	326.6	346.3	365.9	400.3
110°	340.9	356.6	372.7	388.6	404.5	420.4	436.3	451.9	467.9	483.7	508.7



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	458.1	465.2	472.3	479.5	486.7	493.5	500.6	507.7	514.8	521.7	539.4
115°	485.6	487.9	490.4	492.6	495.1	497.3	499.6	501.8	504.1	506.2	518.1
117.5°	475.6	474.9	474.2	473.6	472.7	471.9	471.1	470.3	469.3	468.4	475.0
120°	448.8	446.2	443.8	441.1	438.5	435.8	433.3	430.5	427.7	424.7	427.4
122.5°	414.3	411.3	408.5	405.2	402.2	398.7	395.8	392.1	389.0	385.7	386.1
125°	383.1	379.9	377.1	373.8	370.4	367.1	363.8	360.3	356.8	353.2	353.2
127.5°	356.8	354.6	352.4	349.6	347.1	344.4	341.8	338.8	336.3	333.2	332.8
130°	341.8	339.8	337.6	335.1	332.8	330.1	327.4	324.6	322.1	319.2	318.7
132.5°	330.6	329.1	327.3	325.4	323.4	320.9	318.9	316.4	314.2	311.9	311.4
135°	324.8	323.1	321.7	319.8	318.0	315.6	313.3	311.0	308.9	306.4	306.0
137.5°	320.5	319.0	317.5	315.6	313.8	311.5	309.5	307.1	304.9	302.6	302.1
140°	316.7	315.3	313.8	311.9	310.2	308.3	306.2	304.1	301.8	299.6	299.3
142.5°	311.5	310.1	309.0	307.4	305.9	304.0	302.2	300.0	298.4	296.2	296.2
145°	309.1	308.1	307.0	305.7	304.1	302.3	300.7	298.7	297.1	295.3	295.3
147.5°	307.2	306.2	305.5	304.1	303.0	301.3	299.9	298.1	296.7	295.1	295.3
150°	305.5	304.7	303.9	302.7	301.5	300.0	298.7	297.2	295.8	294.3	294.4
152.5°	303.2	302.2	301.5	300.4	299.2	297.6	296.7	295.1	293.8	292.4	292.5
155°	303.3	302.3	301.4	300.3	299.2	298.0	296.7	295.4	294.3	292.9	292.9
157.5°	304.8	303.8	303.1	301.9	301.2	300.0	299.0	297.8	296.8	295.8	295.6
160°	307.8	306.9	306.1	304.9	304.0	302.8	302.0	300.8	300.0	298.9	298.7
162.5°	311.0	310.0	309.1	308.2	307.3	306.0	305.2	304.3	303.4	302.3	302.3
165°	314.8	314.2	313.4	312.6	311.9	311.1	310.4	309.4	308.7	307.7	307.7
167.5°	320.5	319.6	319.0	318.2	317.3	316.5	315.7	314.8	314.3	313.3	313.2
170°	324.2	323.4	322.9	322.5	321.9	321.3	320.8	320.2	319.6	318.9	318.9
172.5°	327.5	326.9	326.6	326.3	325.7	325.4	324.9	324.5	324.2	323.6	323.8
175°	329.2	328.7	328.7	328.3	328.0	327.7	327.6	327.2	327.2	326.8	326.8
177.5°	331.8	331.7	331.7	331.5	331.5	331.3	331.1	330.9	330.7	330.7	330.8
180°	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7



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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°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41415.8	41410.7	41403.8	41395.1	41387.6	41378.9	41358.2	41352.2	41359.0	41363.7	41373.1
5°	41514.2	41517.1	41518.2	41537.0	41553.2	41593.7	41911.4	42037.6	42135.3	42197.2	42291.3
7.5°	41810.9	41906.4	42000.7	42127.8	42237.3	42385.3	42941.1	43177.6	43345.7	43466.7	43615.4
10°	42313.7	42522.0	42717.5	42946.4	43143.2	43368.5	43885.8	44116.3	44261.8	44367.7	44466.6
12.5°	42820.1	43109.2	43370.4	43625.2	43838.2	44033.5	44215.5	44296.1	44303.0	44306.4	44253.9
15°	43083.9	43360.3	43590.4	43758.9	43884.1	43939.4	43626.3	43461.9	43254.2	43083.2	42801.8
17.5°	42917.4	43083.2	43182.6	43172.8	43121.2	42947.9	42060.7	41572.8	41088.4	40651.8	40079.3
20°	42177.4	42164.6	42078.2	41833.2	41538.0	41079.0	39558.0	38680.5	37832.1	37086.9	36182.9
22.5°	40800.4	40583.7	40281.6	39753.5	39166.6	38364.7	36185.1	34894.3	33713.1	32669.7	31500.9
25°	38805.2	38359.5	37802.4	36963.8	36051.9	34882.3	32195.8	30590.2	29172.2	27942.2	26593.6
27.5°	36251.9	35580.5	34764.0	33603.4	32368.0	30869.5	27891.1	26119.2	24596.9	23278.3	21842.8
30°	33229.0	32355.8	31301.4	29861.0	28370.8	26671.3	23650.5	21855.8	20314.9	18958.4	17521.8
32.5°	29812.8	28790.0	27554.6	25937.9	24326.3	22579.0	19661.6	17924.5	16452.5	15147.4	13847.2
35°	26045.0	24948.2	23641.1	21992.2	20390.2	18691.4	16014.5	14448.1	13148.3	11994.7	10944.9
37.5°	22003.3	20926.4	19684.1	18130.0	16644.5	15105.0	12795.2	11482.7	10391.9	9434.5	8623.8
40°	17801.1	16858.7	15783.8	14440.2	13172.5	11890.4	9994.4	8952.5	8091.6	7361.4	6754.0
42.5°	13650.3	12920.0	12095.7	11033.9	10063.8	9087.6	7628.3	6856.3	6218.7	5693.1	5263.7
45°	9903.8	9415.2	8862.4	8124.2	7453.0	6772.0	5733.4	5191.0	4775.7	4436.8	4150.2
47.5°	6923.3	6639.9	6622.6	5940.4	5448.2	5031.8	4362.8	4020.1	3765.7	3560.3	3378.8
50°	4862.0	4724.9	4554.6	4311.2	4082.7	3847.4	3439.7	3232.5	3083.5	2959.1	2844.3
52.5°	3634.7	3563.5	3472.8	3343.6	3219.9	3087.5	2829.5	2697.7	2650.8	2534.9	2444.0
55°	2903.2	2862.3	2810.7	2734.8	2659.5	2629.4	2408.3	2310.4	2248.3	2202.6	2153.8
57.5°	2411.5	2381.0	2350.5	2299.1	2255.4	2202.6	2085.3	2035.1	1998.2	1971.3	1937.4
60°	2056.9	2038.7	2021.6	1991.4	1967.9	1939.5	1864.9	1836.6	1817.3	1801.1	1779.5
62.5°	1815.5	1806.2	1797.2	1781.2	1769.3	1753.9	1702.9	1689.2	1679.6	1671.5	1658.3
65°	1641.2	1634.5	1629.6	1618.8	1612.9	1603.9	1560.1	1550.9	1545.0	1542.0	1534.5
67.5°	1482.9	1475.8	1472.6	1464.9	1462.5	1456.8	1421.0	1416.0	1414.0	1415.0	1412.2
70°	1334.7	1331.8	1333.3	1332.2	1335.5	1336.5	1314.9	1314.7	1317.0	1321.6	1322.0
72.5°	1246.0	1246.0	1247.7	1248.4	1251.6	1253.2	1235.1	1234.2	1235.3	1238.7	1238.8
75°	1161.5	1162.9	1167.5	1169.0	1172.8	1173.6	1149.7	1147.0	1147.2	1150.4	1149.3
77.5°	1044.6	1049.7	1058.4	1063.0	1070.3	1071.7	1044.9	1041.7	1041.8	1045.0	1042.4
80°	912.0	921.6	935.5	945.1	956.5	961.1	933.6	927.0	920.8	919.9	914.4
82.5°	771.0	782.8	799.5	808.2	820.3	823.1	777.0	768.3	763.1	763.5	758.4
85°	588.6	597.5	612.7	617.6	625.0	624.4	571.8	549.3	555.3	545.9	553.3
87.5°	369.2	374.5	383.9	385.2	388.6	387.9	335.0	324.6	321.5	321.6	317.8
90°	183.3	186.8	195.1	195.2	200.8	200.0	157.1	152.2	148.5	150.5	145.3
92.5°	45.0	47.7	50.8	53.6	56.6	59.6	57.6	59.1	56.7	53.5	51.2
95°	49.5	54.0	58.5	63.0	67.5	71.9	76.4	80.8	76.6	72.4	68.3
97.5°	55.8	61.1	66.2	71.5	76.7	82.1	87.3	92.6	88.1	83.3	78.9
100°	72.4	82.3	92.0	101.8	111.5	121.3	131.2	141.0	132.3	123.4	114.9
102.5°	145.0	165.9	186.8	207.5	228.2	249.2	270.2	291.1	271.2	251.1	231.2
105°	276.2	309.8	343.5	377.0	410.8	444.5	478.7	512.5	480.7	448.8	417.0
107.5°	434.3	468.7	502.5	536.6	570.9	605.0	639.8	674.1	643.0	611.7	580.7
110°	533.5	558.2	583.2	607.8	632.6	657.4	683.2	708.1	689.3	670.4	651.6



TEST NUMBER: P1444700
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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°	556.8	574.6	592.3	609.6	627.1	644.7	663.6	681.5	671.9	661.9	652.6
115°	529.7	541.5	553.1	564.8	576.5	587.9	601.3	613.5	609.9	606.4	603.1
117.5°	481.1	487.5	493.8	500.0	506.1	512.3	520.8	527.4	527.3	527.3	527.4
120°	429.7	432.0	434.3	436.7	438.7	440.9	445.8	448.6	450.6	452.3	454.3
122.5°	386.7	387.2	387.6	387.9	388.3	388.6	392.1	393.2	394.2	395.2	396.3
125°	353.0	352.9	352.7	352.5	352.1	352.0	355.3	355.6	355.0	354.4	353.8
127.5°	332.0	331.5	330.8	330.2	329.2	328.7	331.5	331.6	329.7	327.9	326.0
130°	318.1	317.7	317.0	316.4	316.0	315.5	318.8	319.2	316.5	313.6	310.9
132.5°	310.7	310.4	309.6	309.4	308.9	308.2	312.0	312.5	309.8	306.4	303.5
135°	305.4	305.1	304.7	304.1	303.7	303.6	307.7	308.2	305.6	302.5	299.6
137.5°	301.5	301.2	300.8	300.6	300.0	299.9	304.5	305.3	303.0	300.3	298.0
140°	299.0	298.6	298.4	298.4	298.1	298.1	303.2	304.1	302.4	300.1	298.0
142.5°	295.9	296.0	296.0	296.3	296.3	296.7	302.5	303.8	302.3	300.4	299.0
145°	295.2	295.7	295.8	296.1	296.4	296.9	303.5	305.3	304.2	302.8	301.7
147.5°	295.0	295.2	295.4	295.7	296.0	296.8	303.8	305.7	304.9	304.0	303.0
150°	294.3	294.7	294.9	295.2	295.9	296.5	304.6	306.9	306.2	305.5	304.6
152.5°	292.5	292.7	292.9	293.3	293.5	294.3	304.2	306.9	306.4	305.5	304.9
155°	292.8	292.9	292.9	293.2	293.3	294.0	304.9	307.7	307.3	306.7	306.2
157.5°	295.4	295.2	295.0	295.1	295.1	295.3	307.0	310.2	309.6	309.1	308.7
160°	298.4	298.3	298.0	297.9	297.7	297.8	310.0	313.0	312.6	312.1	311.5
162.5°	302.0	302.3	302.1	301.9	301.9	302.2	314.3	317.7	317.0	316.4	315.9
165°	307.4	307.1	306.9	307.0	306.7	306.7	318.3	321.1	320.8	320.2	319.7
167.5°	312.9	313.0	312.7	312.7	312.6	312.9	323.6	326.2	326.0	325.4	325.0
170°	318.7	318.8	318.6	318.7	318.8	319.0	327.9	330.3	330.0	329.3	328.9
172.5°	323.8	324.0	324.1	324.2	324.3	324.6	332.1	334.3	334.0	333.6	333.0
175°	327.0	326.9	327.1	327.4	327.6	327.7	333.7	335.2	335.1	334.7	334.4
177.5°	331.1	331.1	331.2	331.5	331.7	331.9	335.5	336.4	336.3	336.3	336.1
180°	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7



TEST NUMBER: P1444700
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CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41375.2	41389.8	41391.9	41408.9	41407.5	41427.7	41424.5	41441.0	41431.4	41445.0	41433.5
5°	42347.0	42435.2	42481.2	42567.2	42594.5	42671.4	42693.1	42763.4	42766.3	42822.0	42809.3
7.5°	43720.9	43850.8	43928.0	44034.3	44088.1	44176.8	44215.7	44281.2	44302.4	44354.4	44358.4
10°	44541.4	44604.5	44648.5	44678.2	44705.2	44718.0	44732.8	44728.9	44732.8	44727.0	44739.7
12.5°	44218.7	44126.5	44065.7	43950.3	43883.4	43756.0	43693.4	43570.8	43526.3	43421.0	43405.9
15°	42584.3	42263.3	42036.6	41706.7	41499.4	41174.8	40984.9	40692.2	40558.4	40325.7	40264.7
17.5°	39605.5	39009.6	38548.5	37956.9	37546.4	36993.6	36645.9	36188.3	35937.6	35568.6	35440.8
20°	35429.3	34547.6	33855.9	33031.9	32442.2	31707.4	31237.0	30643.8	30299.4	29846.1	29662.4
22.5°	30526.3	29428.6	28564.7	27591.2	26879.7	26060.9	25497.4	24855.5	24480.8	23988.3	23770.3
25°	25472.8	24262.2	23301.8	22276.2	21524.4	20703.6	20139.9	19509.4	19121.6	18654.1	18437.5
27.5°	20639.5	19414.2	18486.0	17532.5	16842.8	16102.2	15593.6	15043.1	14698.9	14299.8	14096.0
30°	16374.2	15293.6	14503.6	13712.3	13138.6	12537.2	12114.5	11658.2	11356.3	11014.7	10820.5
32.5°	12899.3	12065.0	11446.5	10818.5	10349.1	9846.4	9481.2	9078.6	8806.1	8500.9	8325.1
35°	10216.1	9567.8	9074.5	8557.6	8154.2	7726.1	7404.3	7056.8	6812.3	6549.6	6397.8
37.5°	8071.8	7556.2	7150.3	6721.0	6389.6	6035.0	5915.5	5516.8	5263.3	5053.7	4908.5
40°	6334.8	5924.8	5589.0	5260.6	4990.4	4721.3	4505.5	4292.4	4128.9	3978.9	3875.2
42.5°	4946.9	4650.0	4404.6	4164.1	3967.0	3771.0	3614.6	3467.9	3357.7	3259.6	3192.8
45°	3932.6	3728.3	3557.9	3388.5	3249.4	3118.5	3013.3	2919.6	2848.5	2789.6	2747.8
47.5°	3230.7	3090.8	2970.6	2856.3	2761.9	2676.2	2605.7	2582.7	2506.2	2454.6	2435.0
50°	2745.7	2661.2	2569.9	2485.6	2422.5	2359.7	2314.0	2269.2	2240.6	2216.9	2209.7
52.5°	2383.6	2319.1	2268.3	2214.8	2173.2	2128.6	2097.0	2067.2	2051.5	2039.0	2037.5
55°	2114.5	2069.3	2035.7	1999.9	1974.9	1948.7	1932.4	1916.7	1909.8	1903.5	1903.9
57.5°	1910.9	1880.7	1858.8	1835.6	1822.1	1809.5	1805.4	1801.4	1803.6	1804.5	1808.0
60°	1762.4	1742.8	1729.1	1715.7	1710.1	1706.1	1709.1	1712.7	1719.9	1725.7	1730.9
62.5°	1648.7	1637.6	1630.8	1623.7	1623.0	1623.3	1629.4	1635.4	1644.4	1651.2	1656.2
65°	1531.7	1525.3	1523.1	1518.5	1520.8	1522.2	1529.6	1534.1	1543.1	1548.5	1554.9
67.5°	1413.3	1411.8	1413.3	1413.3	1417.4	1420.9	1428.0	1433.1	1440.8	1445.7	1450.9
70°	1326.0	1326.6	1329.8	1330.5	1334.9	1337.3	1343.5	1346.8	1353.7	1357.8	1364.2
72.5°	1241.1	1239.8	1240.5	1238.5	1240.0	1239.4	1242.8	1244.5	1250.3	1253.5	1261.1
75°	1150.6	1146.8	1145.9	1141.8	1141.9	1139.1	1140.4	1140.2	1144.0	1145.6	1151.1
77.5°	1041.4	1035.0	1031.9	1025.1	1024.9	1022.3	1025.1	1026.7	1033.5	1036.7	1042.9
80°	910.7	900.7	896.0	888.1	889.4	889.0	895.8	900.8	909.1	910.6	918.5
82.5°	756.9	746.7	741.8	734.0	735.8	736.0	742.1	743.2	750.3	753.5	762.6
85°	542.0	545.9	535.1	535.8	533.5	537.8	542.0	547.2	553.1	563.1	570.8
87.5°	319.2	317.8	321.6	322.1	327.6	330.5	339.3	344.4	354.4	362.2	376.2
90°	145.4	140.3	143.2	141.5	146.8	145.2	150.0	147.4	153.3	153.7	161.3
92.5°	47.8	45.5	42.2	39.7	36.4	34.2	32.3	31.5	29.7	29.0	27.0
95°	64.1	60.0	55.8	51.6	47.5	43.3	41.8	40.3	38.8	37.2	35.6
97.5°	74.4	69.9	65.4	60.9	56.4	52.0	51.0	49.9	48.9	47.9	46.9
100°	106.0	97.4	88.8	80.0	71.4	62.7	61.9	61.1	60.3	59.5	58.6
102.5°	211.4	191.3	171.5	151.7	131.9	111.9	108.5	105.1	101.6	98.1	94.7
105°	385.1	353.2	321.4	289.6	257.9	226.1	216.6	206.9	197.5	188.0	178.7
107.5°	549.5	518.3	487.3	456.4	425.3	394.3	379.3	364.3	349.1	334.2	319.3
110°	632.5	613.7	595.2	576.1	557.6	539.0	524.4	510.2	495.7	481.3	467.1



TEST NUMBER: P1444700
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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°	642.8	633.2	623.4	614.0	604.5	595.0	588.0	580.8	573.9	566.8	559.5
115°	599.6	596.2	592.8	589.7	586.5	583.1	582.4	581.8	580.9	580.4	579.9
117.5°	527.3	527.4	527.3	527.5	527.6	527.8	531.2	534.5	538.1	541.7	545.5
120°	456.1	457.9	459.6	461.8	463.7	465.8	470.2	474.9	479.4	484.5	489.3
122.5°	397.2	398.2	399.1	400.3	401.4	402.5	406.8	411.3	415.8	420.5	425.4
125°	352.7	352.1	351.4	350.5	349.8	349.4	352.6	356.1	359.8	363.6	367.1
127.5°	324.0	321.9	319.8	318.0	315.9	314.2	315.7	317.5	319.2	321.3	323.1
130°	308.0	305.2	302.1	299.5	296.4	293.7	293.8	294.1	294.3	294.7	295.1
132.5°	300.3	297.1	293.9	290.7	287.4	284.3	283.4	282.5	281.5	281.0	280.5
135°	296.4	293.6	290.3	287.2	283.9	281.2	279.6	278.2	276.9	275.7	274.5
137.5°	295.3	292.8	290.2	287.7	284.9	282.4	280.4	279.0	277.2	276.1	274.6
140°	295.8	293.7	291.3	289.2	286.8	284.8	283.1	281.9	280.3	279.1	277.9
142.5°	297.0	295.3	293.5	291.8	290.0	288.3	286.8	285.4	284.0	282.9	281.5
145°	300.2	299.1	297.6	296.3	294.9	293.6	292.2	291.2	290.1	289.0	288.1
147.5°	302.0	300.9	300.0	298.9	297.7	296.7	295.6	295.1	293.8	293.2	292.3
150°	303.6	302.6	301.7	300.9	299.8	299.0	298.1	297.5	296.6	296.2	295.5
152.5°	304.0	303.2	302.3	301.7	300.6	299.8	299.1	298.5	297.9	297.4	296.6
155°	305.4	304.8	304.1	303.4	302.5	302.0	301.3	300.5	299.9	299.2	298.5
157.5°	308.1	307.4	306.6	306.2	305.3	304.7	304.1	303.4	302.7	302.2	301.5
160°	311.0	310.5	309.8	309.1	308.5	307.9	307.1	306.5	305.7	305.1	304.1
162.5°	315.2	314.4	313.9	313.1	312.3	311.7	310.9	310.4	309.8	309.1	308.3
165°	319.1	318.5	317.9	317.2	316.8	316.2	315.4	314.8	313.9	313.3	312.4
167.5°	324.4	323.9	323.3	322.9	322.1	321.5	321.0	320.3	319.6	318.8	317.9
170°	328.6	327.8	327.3	326.6	326.1	325.4	324.8	324.1	323.4	323.0	322.1
172.5°	332.7	332.3	331.8	331.4	330.7	330.3	329.9	329.4	328.8	328.2	327.8
175°	334.3	334.2	334.0	333.6	333.4	333.0	332.8	332.6	332.3	332.1	331.7
177.5°	336.1	336.0	336.0	335.7	335.5	335.5	335.2	335.2	334.9	334.6	334.5
180°	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7



TEST NUMBER: P1444700
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL18

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41445.5	41434.9	41439.9	41420.5	41425.1	41401.7	41399.6	41373.1	41370.5	41345.6	41336.2
5°	42848.7	42825.7	42851.7	42811.1	42819.1	42766.3	42761.9	42693.6	42670.1	42584.7	42547.8
7.5°	44390.9	44382.3	44398.2	44364.2	44363.1	44316.0	44296.6	44235.3	44197.4	44107.7	44050.5
10°	44728.9	44736.8	44723.8	44727.0	44708.6	44703.6	44684.8	44672.8	44642.1	44618.8	44584.6
12.5°	43325.9	43334.2	43280.8	43314.7	43287.9	43350.5	43345.5	43419.2	43430.6	43523.9	43559.2
15°	40083.4	40073.3	39970.6	40035.3	40000.6	40138.0	40168.7	40353.5	40452.5	40689.8	40835.6
17.5°	35185.1	35158.7	35014.0	35092.8	35052.7	35255.3	35323.2	35618.9	35803.3	36185.7	36458.2
20°	29346.1	29295.5	29126.3	29218.5	29177.1	29407.3	29504.3	29861.6	30099.4	30605.9	30966.2
22.5°	23434.6	23354.5	23188.9	23275.0	23236.0	23474.4	23600.6	23959.1	24231.5	24751.4	25172.1
25°	18126.1	18054.8	17894.6	17954.9	17940.3	18142.0	18254.4	18593.4	18861.1	19356.3	19757.8
27.5°	13825.2	13751.0	13606.3	13649.0	13634.3	13806.1	13911.9	14195.2	14425.5	14842.5	15195.0
30°	10581.2	10491.6	10368.9	10392.5	10382.4	10521.7	10620.5	10859.1	11056.5	11408.8	11712.5
32.5°	8110.4	8020.5	7907.7	7918.8	7903.9	8013.1	8094.6	8302.0	8474.0	8773.6	9038.0
35°	6205.6	6310.7	6069.9	6222.5	6063.6	6296.8	6212.9	6342.6	6490.5	6743.0	6963.5
37.5°	4770.6	4697.4	4635.3	4628.8	4628.5	4682.5	4746.3	4871.1	5001.5	5189.6	5383.9
40°	3780.5	3729.1	3689.0	3686.1	3689.0	3727.4	3774.5	3860.9	3956.3	4091.4	4234.2
42.5°	3135.6	3101.4	3077.3	3075.6	3083.3	3110.4	3143.2	3194.5	3256.6	3344.1	3442.0
45°	2713.9	2694.9	2681.4	2680.6	2684.2	2698.4	2717.2	2749.2	2788.6	2843.2	2905.1
47.5°	2417.9	2413.3	2404.9	2405.2	2401.4	2407.2	2409.4	2427.3	2448.2	2489.4	2570.3
50°	2202.5	2202.5	2196.7	2196.4	2190.9	2190.5	2186.0	2193.0	2202.8	2228.3	2254.2
52.5°	2032.2	2031.5	2025.3	2024.0	2018.3	2017.9	2014.0	2016.7	2018.1	2030.9	2046.4
55°	1899.0	1895.1	1886.8	1884.2	1881.9	1885.3	1883.8	1883.9	1882.2	1887.6	1892.2
57.5°	1803.6	1798.4	1790.6	1788.2	1787.6	1791.6	1791.8	1790.4	1783.3	1778.4	1771.4
60°	1728.0	1722.8	1714.4	1712.2	1713.5	1718.9	1718.7	1714.0	1703.3	1694.0	1683.2
62.5°	1653.8	1651.6	1647.4	1646.7	1645.7	1646.6	1642.7	1637.8	1627.3	1617.3	1605.6
65°	1554.1	1555.2	1552.0	1552.5	1548.6	1548.0	1542.2	1537.5	1526.8	1517.7	1505.7
67.5°	1450.7	1451.5	1448.9	1448.9	1446.9	1447.2	1443.6	1439.3	1430.2	1422.9	1413.5
70°	1365.5	1367.6	1366.1	1366.6	1364.2	1363.2	1357.7	1353.4	1344.1	1338.0	1329.5
72.5°	1263.5	1268.0	1267.8	1269.0	1265.2	1263.5	1256.9	1251.5	1243.1	1238.1	1231.5
75°	1153.2	1159.2	1160.9	1163.5	1158.3	1155.5	1148.3	1144.0	1137.2	1134.3	1129.9
77.5°	1045.7	1052.3	1058.6	1064.4	1055.9	1048.4	1039.4	1032.6	1022.8	1018.9	1012.1
80°	925.0	936.6	950.5	962.2	947.0	931.7	916.9	905.8	892.8	887.5	878.9
82.5°	767.4	779.3	787.2	794.7	784.2	773.1	758.6	749.0	734.9	729.8	719.8
85°	583.0	597.9	602.6	606.5	599.8	593.9	580.4	562.1	553.3	539.4	532.2
87.5°	383.5	392.4	394.0	395.4	391.3	388.4	379.6	371.1	355.9	344.9	331.4
90°	160.2	165.6	161.4	163.0	158.4	159.6	151.6	149.4	137.6	133.6	123.2
92.5°	26.0	24.3	23.1	21.7	23.7	24.4	26.3	27.0	28.9	29.7	31.5
95°	34.1	32.6	31.1	29.6	30.8	32.0	33.2	34.5	35.6	36.9	38.1
97.5°	45.9	44.9	43.8	42.9	43.6	44.3	45.0	45.7	46.3	47.1	47.9
100°	57.8	57.0	56.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
102.5°	91.3	87.8	84.4	80.9	83.2	85.5	87.9	90.2	92.6	94.9	97.4
105°	169.2	159.8	150.3	140.9	150.0	159.2	168.2	177.4	186.5	196.0	205.1
107.5°	304.1	289.3	274.3	259.4	276.3	292.9	309.5	326.2	342.8	359.5	376.3
110°	452.9	438.7	424.4	410.3	427.9	445.6	463.2	480.9	498.8	516.4	534.3



TEST NUMBER: P1444700
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CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	552.6	545.7	538.8	531.9	543.3	554.6	566.1	577.7	589.1	600.6	612.0
115°	579.3	578.9	578.5	578.1	583.4	588.9	594.2	599.7	605.3	610.6	616.3
117.5°	549.0	552.7	556.6	560.4	562.1	563.9	565.8	567.5	569.5	571.4	573.4
120°	494.3	499.0	504.2	509.4	508.7	507.9	507.4	506.7	506.5	506.0	505.9
122.5°	430.3	435.1	440.3	445.3	443.8	442.3	440.9	439.6	438.4	437.3	436.2
125°	371.3	375.3	379.4	383.7	382.2	380.7	379.3	378.2	377.0	375.8	375.1
127.5°	325.6	328.0	330.3	332.8	332.1	331.4	331.1	330.6	330.4	330.3	330.4
130°	295.9	296.7	297.8	298.7	298.9	299.1	299.8	300.2	301.0	301.7	302.9
132.5°	280.4	280.1	280.2	280.2	281.0	281.8	283.0	284.1	285.8	287.0	289.1
135°	273.8	273.0	272.5	272.2	273.4	274.4	275.9	277.5	279.4	281.4	283.6
137.5°	273.7	272.6	272.0	271.1	272.3	273.5	275.0	276.6	278.3	280.4	282.7
140°	277.0	275.9	275.5	274.6	275.9	276.9	278.5	280.0	281.8	283.8	286.0
142.5°	280.8	279.6	279.1	278.6	279.5	280.5	282.1	283.4	285.2	286.7	288.7
145°	287.2	286.3	286.0	285.4	286.1	286.9	287.8	288.9	290.2	291.4	293.1
147.5°	291.7	291.0	290.8	290.2	290.9	291.4	292.1	292.7	293.8	294.7	295.9
150°	295.3	294.6	294.3	294.0	294.3	294.5	295.1	295.3	296.0	296.6	297.6
152.5°	296.4	295.7	295.7	295.3	295.4	295.6	296.0	296.3	296.8	297.2	298.2
155°	298.2	297.7	297.3	296.8	296.7	296.7	296.8	296.7	297.1	297.2	297.5
157.5°	301.1	300.6	300.2	299.6	299.4	299.1	299.0	298.8	299.0	298.5	298.6
160°	303.8	302.9	302.4	301.8	301.7	301.2	301.4	300.9	300.9	300.8	300.9
162.5°	307.9	307.3	306.8	306.2	305.9	305.3	304.9	304.4	304.1	303.8	303.6
165°	311.7	311.0	310.4	309.6	309.3	309.0	308.7	308.3	308.2	307.7	307.8
167.5°	317.5	316.6	316.1	315.4	315.0	314.3	314.0	313.5	313.1	312.6	312.5
170°	321.7	321.0	320.6	320.1	319.7	319.3	319.1	318.7	318.5	318.4	318.4
172.5°	327.4	326.8	326.4	326.1	325.7	325.4	325.3	325.1	324.8	324.8	324.6
175°	331.5	331.2	331.1	330.8	330.5	330.4	330.1	330.0	329.9	329.7	329.5
177.5°	334.1	333.8	333.7	333.6	333.5	333.5	333.5	333.5	333.5	333.3	333.2
180°	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7



TEST NUMBER: P1444700
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CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41309.5	41298.6	41270.0	41255.9	41229.4	41216.1	41195.5	41182.1	41165.5	41153.1	41146.7
5°	42454.0	42401.2	42295.3	42230.1	42115.9	42040.6	41927.0	41843.8	41726.5	41640.1	41529.3
7.5°	43943.1	43862.1	43726.4	43623.6	43463.7	43341.4	43162.0	43018.4	42820.1	42655.5	42452.9
10°	44549.4	44502.1	44441.2	44375.1	44286.5	44199.5	44077.0	43952.1	43785.7	43620.1	43403.7
12.5°	43653.3	43697.8	43785.7	43826.7	43893.9	43916.7	43947.4	43933.0	43905.8	43838.2	43740.1
15°	41115.6	41301.5	41595.3	41798.4	42083.2	42283.2	42547.8	42718.1	42914.2	43031.4	43142.8
17.5°	36941.1	37300.7	37819.1	38232.6	38787.9	39239.4	39792.5	40227.0	40728.8	41113.8	41523.5
20°	31594.2	32097.8	32813.4	33421.2	34225.7	34908.0	35782.0	36514.2	37368.3	38080.3	38848.7
22.5°	25839.5	26431.8	27251.8	27984.9	28945.6	29803.8	30898.9	31867.0	33021.6	34056.0	35200.3
25°	20410.6	20991.1	21826.4	22585.5	23622.7	24568.0	25764.4	26875.0	28214.9	29464.4	30898.9
27.5°	15755.0	16270.7	17005.0	17688.2	18638.1	19566.1	20780.3	21964.6	23394.4	24737.2	26283.1
30°	12167.3	12585.6	13174.0	13723.6	14486.2	15245.2	16326.7	17422.0	18844.7	20236.2	21821.1
32.5°	9429.3	9786.0	10277.2	10723.3	11310.9	11883.2	12679.6	13554.9	14802.8	16135.7	17668.2
35°	7299.3	7604.4	8022.5	8406.8	8890.1	9344.4	9938.7	10563.4	11515.7	12636.9	14008.4
37.5°	5819.4	5943.8	6242.2	6557.1	6958.5	7331.8	7796.7	8258.5	8939.9	9824.5	10944.9
40°	4425.6	4623.1	4866.0	5114.0	5417.9	5717.4	6227.4	6472.9	6921.6	7556.6	8426.2
42.5°	3570.9	3709.8	3880.7	4053.2	4264.9	4473.5	4731.5	4994.2	5329.6	5759.7	6378.2
45°	2988.2	3078.8	3188.9	3303.9	3442.9	3585.2	3758.0	3938.4	4165.6	4430.0	4805.6
47.5°	2598.9	2649.0	2720.9	2799.3	2894.7	2993.2	3105.5	3220.5	3361.7	3518.6	3732.4
50°	2295.0	2336.8	2392.7	2445.1	2511.0	2611.9	2656.5	2719.9	2804.9	2897.2	3016.8
52.5°	2075.2	2103.0	2138.0	2168.2	2209.8	2247.6	2297.2	2340.9	2399.7	2455.1	2532.4
55°	1903.9	1914.1	1934.0	1953.4	1982.2	2008.0	2042.0	2070.6	2108.1	2141.2	2189.9
57.5°	1771.8	1772.7	1781.8	1791.9	1810.4	1826.7	1850.1	1868.9	1894.9	1916.0	1945.3
60°	1676.7	1671.7	1673.5	1677.0	1687.5	1698.0	1712.9	1725.2	1741.6	1753.5	1769.9
62.5°	1597.6	1589.6	1587.8	1586.9	1592.1	1595.9	1604.1	1610.0	1619.4	1624.5	1633.3
65°	1497.7	1488.4	1484.7	1480.4	1482.0	1480.7	1483.7	1483.9	1488.6	1489.7	1494.8
67.5°	1407.1	1399.3	1394.5	1388.8	1386.2	1382.0	1380.2	1376.2	1375.6	1372.3	1371.5
70°	1324.5	1316.8	1312.8	1307.5	1304.7	1299.2	1295.9	1289.1	1285.2	1278.9	1275.4
72.5°	1228.9	1224.6	1223.4	1219.7	1218.7	1215.7	1214.4	1209.5	1206.8	1201.4	1198.4
75°	1128.9	1125.4	1125.1	1121.4	1121.1	1117.5	1116.5	1111.5	1108.8	1103.5	1101.3
77.5°	1009.9	1004.7	1003.2	998.9	999.9	998.1	999.7	995.8	994.2	988.8	987.1
80°	875.8	869.1	866.4	860.7	862.3	859.6	862.3	861.9	863.9	859.6	858.9
82.5°	717.0	709.7	708.3	704.4	706.9	707.2	712.9	709.8	711.0	707.0	708.7
85°	521.8	516.2	508.6	507.5	502.7	507.7	501.1	505.5	498.3	503.4	496.7
87.5°	323.5	312.2	306.2	298.1	295.0	287.2	284.0	278.3	280.0	277.4	278.9
90°	121.4	112.2	110.7	103.5	103.5	97.2	98.7	94.5	96.8	92.4	95.1
92.5°	32.3	33.6	35.9	38.9	40.9	43.3	45.7	48.6	50.6	53.5	55.5
95°	39.3	40.5	43.8	47.1	50.3	53.6	56.9	60.2	63.4	66.7	69.9
97.5°	48.6	49.3	52.5	55.8	59.0	62.3	65.5	69.2	72.4	75.7	78.9
100°	55.4	55.6	64.9	74.1	83.3	92.8	101.9	111.2	120.7	129.9	139.2
102.5°	99.7	102.0	125.4	148.8	172.2	195.5	219.0	242.6	265.9	289.5	313.1
105°	214.2	223.5	259.1	295.0	330.5	366.3	402.1	438.0	473.7	509.6	545.4
107.5°	393.0	409.8	442.2	474.5	506.7	539.1	571.6	603.9	636.3	668.7	701.4
110°	552.0	569.8	591.4	613.3	635.1	656.9	678.6	700.4	722.4	744.3	766.4



TEST NUMBER: P1444700
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL18

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	623.4	635.2	647.8	660.8	673.5	686.4	699.3	712.2	725.3	738.3	751.3
115°	622.0	627.7	632.6	638.0	643.1	648.4	653.7	659.2	664.8	670.1	675.7
117.5°	575.3	577.6	578.5	579.8	580.8	582.4	583.5	585.1	586.6	588.2	589.4
120°	505.5	505.2	504.8	504.6	504.2	504.0	503.9	503.9	503.9	503.9	503.9
122.5°	435.1	434.3	434.0	433.9	433.8	433.9	433.9	434.3	434.3	434.5	434.6
125°	374.2	373.6	374.9	376.3	377.8	379.4	381.0	382.8	384.5	386.3	388.1
127.5°	330.3	330.7	333.3	336.0	338.7	341.7	344.5	347.5	350.3	353.5	356.2
130°	304.0	305.2	308.3	311.9	315.1	318.7	322.2	326.0	329.2	332.8	336.2
132.5°	290.6	292.8	295.9	299.2	302.5	306.0	309.5	313.0	316.4	320.0	323.2
135°	285.8	288.3	291.2	294.5	297.6	300.9	304.1	307.5	310.4	313.9	316.8
137.5°	284.7	287.2	290.0	292.7	295.2	298.3	300.8	303.7	306.3	309.1	311.7
140°	288.0	290.5	292.2	294.3	296.1	298.1	299.8	302.0	303.6	305.7	307.4
142.5°	290.6	293.0	294.0	295.6	296.9	298.8	300.1	301.7	302.9	304.3	305.5
145°	294.5	296.4	297.0	297.8	298.5	299.4	300.0	300.8	301.3	301.9	302.5
147.5°	297.2	298.5	298.7	299.3	299.8	300.0	300.6	300.9	301.1	301.6	301.9
150°	298.3	299.3	299.2	299.6	299.5	299.8	299.6	299.9	299.7	300.0	299.9
152.5°	298.6	299.4	299.0	299.2	298.9	298.9	298.5	298.7	298.4	298.4	298.4
155°	297.6	297.9	297.7	297.6	297.5	297.5	297.2	297.5	297.5	297.3	297.5
157.5°	298.6	298.5	298.4	298.4	298.1	298.2	298.0	298.1	298.1	298.5	298.7
160°	300.7	300.7	300.4	300.3	300.2	300.1	300.0	300.2	300.3	300.8	301.0
162.5°	303.2	303.0	302.7	302.6	302.5	302.6	302.6	303.0	303.1	303.4	303.8
165°	307.7	307.8	307.4	307.4	307.2	307.2	307.0	307.2	307.4	307.6	307.9
167.5°	312.3	312.3	312.3	312.3	312.3	312.5	312.7	313.3	313.4	314.0	314.2
170°	318.2	318.4	318.1	318.2	318.0	318.0	318.1	318.2	318.3	318.6	318.6
172.5°	324.6	324.6	324.5	324.2	324.0	324.0	323.8	323.8	323.7	323.6	323.4
175°	329.3	329.2	329.1	329.0	328.9	328.7	328.5	328.1	328.0	327.9	327.9
177.5°	333.0	332.7	332.6	332.6	332.4	332.2	332.2	332.0	332.0	332.0	331.8
180°	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7



TEST NUMBER: P1444700
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL18

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41138.4	41137.9	41133.9	41135.8	41136.5	41139.4	41143.0	41146.7	41147.4	41150.3	41150.9
5°	41446.3	41344.5	41269.2	41186.4	41124.1	41068.2	41030.8	41001.1	40989.6	40992.6	40999.4
7.5°	42281.1	42071.0	41897.6	41700.6	41536.2	41362.2	41218.0	41080.8	40980.9	40906.4	40864.8
10°	43197.2	42941.3	42696.5	42411.3	42140.7	41852.0	41590.5	41327.2	41107.6	40917.0	40776.9
12.5°	43603.7	43422.9	43211.3	42942.1	42652.6	42319.5	41983.0	41622.4	41286.9	40975.6	40724.4
15°	43173.3	43173.6	43096.5	42967.3	42766.3	42500.0	42179.5	41803.5	41407.9	41004.1	40635.1
17.5°	41806.9	42064.7	42208.1	42298.8	42271.0	42172.9	41968.9	41680.2	41311.3	40881.2	40431.0
20°	39460.4	40068.5	40502.0	40891.9	41110.4	41255.6	41241.0	41123.6	40860.8	40495.1	40026.3
22.5°	36173.4	37194.0	37999.3	38750.3	39277.0	39705.4	39909.0	39995.5	39876.5	39621.7	39181.5
25°	32181.0	33568.7	34752.8	35902.1	36764.2	37505.1	37950.3	38264.0	38289.0	38155.8	37763.1
27.5°	27744.6	29382.6	30881.5	32408.9	33621.2	34686.3	35385.1	35896.6	36059.1	36037.7	35681.0
30°	23314.0	25033.6	26685.7	28466.7	29966.9	31327.6	32250.8	32942.6	33209.1	33260.2	32917.2
32.5°	19129.7	20825.4	22472.9	24335.0	25985.8	27545.3	28636.0	29457.7	29767.6	29840.7	29464.4
35°	15332.2	16896.6	18462.3	20266.9	21908.3	23523.2	24672.4	25532.7	25822.2	25871.0	25435.4
37.5°	12039.1	13372.0	14736.2	16355.4	17862.8	19379.4	20471.3	21279.9	21490.7	21477.7	20984.7
40°	9266.3	10302.5	11398.7	12731.8	13984.9	15267.1	16189.1	16857.5	16968.3	16886.2	16368.3
42.5°	6967.7	7716.2	8510.9	9506.0	10435.8	11395.4	12066.2	12562.4	12578.2	12448.4	11983.5
45°	5191.0	5921.2	6254.5	6856.1	7455.0	8093.1	8502.6	8809.1	8761.7	8647.5	8294.3
47.5°	3957.2	4237.8	4535.5	4908.5	5257.4	5981.4	5927.8	6419.9	6065.5	6307.2	5775.0
50°	3142.4	3299.3	3459.7	3657.6	3839.8	4029.1	4147.5	4235.7	4224.3	4186.3	4084.4
52.5°	2673.4	2722.0	2800.9	2913.5	3015.3	3117.7	3184.9	3239.7	3240.8	3225.5	3174.0
55°	2234.4	2295.9	2352.7	2426.3	2551.7	2570.9	2667.4	2647.9	2655.5	2628.8	2656.1
57.5°	1970.0	2005.9	2037.9	2081.6	2117.9	2160.1	2185.1	2209.0	2206.7	2201.6	2175.3
60°	1782.7	1802.5	1820.2	1845.8	1865.7	1889.6	1901.1	1913.3	1909.3	1900.4	1877.0
62.5°	1638.3	1650.7	1660.8	1677.3	1689.4	1704.3	1710.2	1715.4	1710.2	1701.8	1681.1
65°	1495.9	1503.8	1510.2	1522.6	1531.2	1543.9	1549.0	1553.9	1549.1	1542.6	1526.8
67.5°	1367.4	1368.1	1367.5	1372.5	1375.1	1382.8	1385.1	1388.6	1383.0	1377.4	1364.2
70°	1269.9	1267.8	1265.4	1267.4	1267.8	1271.6	1272.2	1271.6	1265.0	1255.2	1240.6
72.5°	1193.7	1192.6	1190.7	1192.4	1192.4	1195.8	1194.8	1193.1	1184.9	1175.4	1161.1
75°	1095.7	1094.9	1091.3	1091.5	1088.3	1089.4	1085.5	1083.2	1074.2	1066.2	1053.3
77.5°	981.1	979.3	973.9	972.0	966.1	963.7	956.2	952.5	943.4	936.9	925.9
80°	853.2	851.2	844.4	840.5	831.3	825.5	814.5	808.2	797.7	791.4	780.6
82.5°	705.2	706.0	699.1	694.4	681.2	671.1	656.4	648.5	636.8	630.7	619.7
85°	501.5	494.4	498.2	497.9	489.7	480.9	469.0	460.5	450.7	444.9	437.2
87.5°	275.1	276.8	274.8	273.1	267.3	262.9	253.5	248.6	241.5	237.9	232.1
90°	87.3	86.5	79.2	78.6	71.5	68.4	60.1	58.0	50.4	49.1	43.8
92.5°	52.8	50.1	47.7	44.6	42.2	39.5	36.7	34.0	31.3	30.0	29.4
95°	65.9	62.1	58.2	54.2	50.3	46.3	42.5	38.5	34.6	33.8	33.0
97.5°	74.4	69.7	65.1	60.5	55.8	51.2	46.7	42.0	37.3	36.8	36.4
100°	128.6	118.0	107.3	96.5	85.8	75.0	64.5	53.7	43.1	42.5	41.9
102.5°	286.9	261.1	235.1	209.2	183.4	157.3	131.4	105.3	79.4	75.7	71.9
105°	506.0	466.7	427.7	388.4	349.1	309.7	270.5	231.1	191.8	179.2	166.5
107.5°	664.5	627.5	590.9	554.0	517.0	480.3	443.4	406.4	369.4	347.2	325.1
110°	737.2	707.9	679.0	649.8	620.7	591.5	562.3	533.0	503.9	484.8	465.9



TEST NUMBER: P1444700
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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°	730.1	709.0	688.0	666.6	645.5	624.1	602.9	581.6	560.2	548.9	537.4
115°	663.3	650.7	638.2	625.7	613.1	600.5	588.0	575.1	562.3	556.4	550.7
117.5°	583.6	577.5	571.5	565.3	559.2	552.9	546.8	540.5	534.2	532.5	530.7
120°	502.9	501.5	499.8	498.5	497.1	495.7	494.0	492.4	490.8	491.6	492.3
122.5°	436.3	437.7	439.4	440.5	442.2	443.3	444.9	445.9	447.3	449.6	451.8
125°	390.9	393.4	396.1	398.7	401.3	404.0	406.6	408.9	411.7	413.8	416.3
127.5°	359.5	362.3	365.4	368.2	371.3	374.2	377.0	379.8	382.7	384.8	387.4
130°	339.2	341.7	344.6	347.1	349.9	352.5	355.2	357.9	360.5	362.6	364.7
132.5°	325.8	328.3	331.0	333.3	336.0	338.3	340.9	343.3	346.1	347.7	349.6
135°	319.1	321.0	323.2	325.1	327.5	329.4	331.5	333.7	336.0	337.5	339.2
137.5°	313.6	315.3	317.2	318.8	320.9	322.6	324.6	326.4	328.7	329.8	331.5
140°	309.2	311.0	312.8	314.6	316.5	318.3	320.5	322.4	324.7	325.9	327.4
142.5°	307.1	308.3	309.9	311.4	313.1	314.5	316.4	318.2	320.2	321.5	322.9
145°	304.1	305.6	307.3	308.7	310.3	312.1	314.2	316.2	318.2	319.4	320.5
147.5°	303.2	304.4	305.9	307.4	308.8	310.1	312.2	313.9	315.8	317.0	318.0
150°	301.3	302.5	303.8	305.1	306.7	308.4	310.2	312.0	314.2	315.4	316.4
152.5°	299.6	300.8	302.3	303.9	305.5	307.3	309.1	311.0	313.0	313.9	315.3
155°	298.9	300.0	301.6	303.1	304.9	306.3	308.2	309.9	311.8	313.0	314.0
157.5°	300.0	301.0	302.5	304.0	305.5	307.0	308.8	310.2	312.0	313.0	313.9
160°	302.3	303.3	304.7	306.0	307.4	308.8	310.3	311.6	313.1	314.1	315.0
162.5°	305.0	306.3	307.5	308.6	310.2	311.5	313.1	314.3	315.8	316.5	317.5
165°	309.0	309.9	311.2	312.0	313.1	314.0	315.4	316.4	317.7	318.2	319.2
167.5°	315.3	315.9	316.6	317.4	318.5	319.3	320.4	321.2	322.1	322.9	323.6
170°	319.4	320.0	320.5	321.4	322.1	322.9	323.7	324.3	325.4	325.9	326.6
172.5°	323.8	324.1	324.8	325.1	325.7	326.0	326.7	327.2	327.7	328.4	328.8
175°	328.2	328.3	328.6	328.7	329.0	329.2	329.6	330.0	330.3	330.6	331.0
177.5°	331.9	331.9	332.1	332.2	332.6	332.7	333.0	333.1	333.4	333.6	334.2
180°	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7



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CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41149.5	41149.1	41147.7	41145.9	41144.1	41145.1	41146.9	41151.7	41159.9	41171.9	41187.5
5°	41005.1	41013.5	41018.2	41018.9	41014.6	41012.0	41015.9	41027.2	41050.1	41088.4	41140.1
7.5°	40853.7	40864.0	40879.9	40891.9	40894.2	40891.3	40891.9	40909.6	40951.7	41026.2	41130.7
10°	40691.9	40661.2	40677.4	40707.1	40730.6	40734.9	40737.8	40758.7	40820.2	40932.9	41100.8
12.5°	40542.6	40445.2	40426.4	40453.2	40489.0	40500.5	40497.3	40506.3	40578.4	40727.4	40961.3
15°	40346.1	40162.9	40100.4	40107.2	40151.4	40167.4	40155.7	40138.0	40208.2	40390.2	40693.0
17.5°	40028.1	39732.8	39617.7	39612.7	39664.4	39678.2	39649.7	39594.7	39663.8	39890.9	40266.8
20°	39544.7	39108.8	38892.2	38857.7	38913.9	38897.5	38840.7	38757.5	38848.4	39124.4	39571.5
22.5°	38675.8	38123.4	37753.3	37633.9	37701.1	37656.2	37573.5	37467.1	37587.9	37901.6	38399.5
25°	37255.9	36617.6	36110.8	35826.6	35880.1	35799.7	35709.6	35580.8	35724.8	36084.8	36632.9
27.5°	35168.7	34431.5	33803.5	33332.9	33350.2	33244.9	33141.1	32974.4	33154.1	33580.3	34198.4
30°	32393.4	31540.4	30775.6	30135.9	30078.7	29976.7	29870.4	29651.5	29876.4	30386.6	31109.0
32.5°	28908.0	27960.9	27077.3	26268.6	26116.0	26016.4	25921.6	25669.8	25964.3	26559.2	27389.1
35°	24832.0	23823.1	22865.1	21941.5	21688.7	21589.1	21506.3	21265.0	21632.6	22279.8	23176.1
37.5°	20358.1	19327.4	18376.3	17429.2	17072.0	16936.9	16876.8	16718.7	17142.7	17782.9	18682.9
40°	15765.1	14806.8	13954.1	13117.5	12710.3	12503.7	12472.1	12443.3	12853.3	13408.7	14225.6
42.5°	11468.5	10695.4	10037.8	9398.4	9029.5	8747.2	8747.0	8832.7	9201.7	9617.8	10247.7
45°	7933.1	7414.3	6995.3	6568.1	6682.2	6119.5	6450.2	6280.4	6462.8	6731.0	7140.7
47.5°	5453.2	5170.0	4939.9	4701.2	4527.2	4361.1	4375.6	4482.7	4654.5	4813.7	5026.8
50°	3974.5	3830.2	3713.0	3589.1	3502.4	3429.2	3433.5	3479.8	3570.1	3653.9	3765.5
52.5°	3114.3	3034.7	2971.1	2902.5	2857.1	2820.6	2822.6	2845.1	2894.0	2941.8	3005.8
55°	2566.9	2557.3	2474.5	2413.0	2389.6	2365.1	2369.5	2378.5	2411.6	2439.7	2482.0
57.5°	2151.0	2113.9	2089.1	2056.7	2041.8	2024.7	2028.5	2031.9	2054.1	2072.9	2103.4
60°	1857.4	1831.1	1813.6	1791.5	1781.7	1770.8	1773.3	1775.2	1789.5	1801.7	1823.6
62.5°	1662.3	1638.8	1623.5	1606.5	1599.6	1592.3	1594.0	1594.5	1603.4	1612.4	1629.0
65°	1512.7	1494.0	1481.3	1466.6	1459.4	1451.8	1452.6	1452.6	1460.0	1466.6	1479.0
67.5°	1354.4	1340.4	1332.2	1320.5	1315.6	1307.8	1307.7	1305.2	1310.1	1312.7	1321.1
70°	1227.5	1213.3	1202.7	1191.5	1185.4	1178.5	1178.6	1178.8	1184.5	1190.5	1201.3
72.5°	1148.9	1135.4	1126.0	1116.2	1110.4	1104.6	1103.5	1103.0	1107.1	1110.3	1117.5
75°	1045.0	1034.3	1028.7	1019.6	1014.9	1008.3	1007.3	1004.2	1006.2	1006.8	1012.2
77.5°	919.0	908.8	904.3	895.0	891.1	883.7	883.0	879.6	881.2	880.1	884.3
80°	775.3	766.0	763.5	755.9	754.1	747.1	746.1	742.0	743.2	740.0	741.5
82.5°	615.0	606.4	604.5	597.5	597.5	591.3	590.9	584.7	584.7	579.3	570.8
85°	433.2	426.9	424.3	418.5	416.8	411.8	409.1	403.2	401.0	397.2	396.0
87.5°	228.6	224.7	221.1	218.3	213.3	204.2	203.5	197.2	197.7	193.3	193.6
90°	43.0	38.2	37.7	33.2	32.4	29.4	28.9	28.5	28.9	28.7	29.2
92.5°	28.5	27.6	26.6	25.8	24.9	23.9	23.0	23.9	24.9	25.8	26.6
95°	32.2	31.4	30.5	29.7	28.9	28.1	27.3	28.1	28.9	29.8	30.6
97.5°	35.8	35.3	34.8	34.3	33.8	33.3	32.8	33.5	34.0	34.5	35.0
100°	41.3	40.7	40.1	39.5	38.9	38.3	37.7	38.6	39.2	39.7	40.4
102.5°	68.3	64.5	60.8	57.0	53.2	49.5	45.7	49.5	53.2	57.1	60.9
105°	153.8	141.3	128.6	115.9	103.3	90.5	77.9	90.7	103.5	116.1	128.9
107.5°	302.7	280.7	258.3	236.2	213.7	191.6	169.2	191.8	214.1	236.4	258.7
110°	446.6	427.4	408.3	389.2	369.9	350.8	331.5	350.8	370.2	389.4	408.8



TEST NUMBER: P1444700
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CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	525.8	514.3	502.6	491.2	479.4	467.9	456.2	468.2	480.0	491.9	503.5
115°	544.8	538.8	533.0	527.0	520.9	514.9	508.6	515.3	521.6	527.9	534.2
117.5°	528.7	527.0	525.1	523.3	521.1	519.3	517.1	519.6	521.9	524.6	526.7
120°	492.8	493.7	494.3	494.8	495.4	495.8	496.1	496.5	496.5	496.5	496.3
122.5°	453.9	456.1	458.0	460.1	462.0	463.9	465.6	464.6	463.2	462.1	460.5
125°	418.4	421.0	423.0	425.3	427.2	429.4	431.0	430.2	428.9	427.6	425.9
127.5°	389.5	391.7	393.7	396.1	397.8	399.7	401.3	400.7	399.5	398.4	396.9
130°	366.4	368.7	370.3	372.2	373.7	375.2	376.3	376.1	375.3	374.9	373.7
132.5°	351.3	353.2	354.9	356.5	357.6	359.0	359.8	360.0	359.7	359.3	358.5
135°	340.8	342.2	343.6	345.2	346.2	347.3	347.8	348.3	348.3	348.2	347.6
137.5°	332.6	334.1	335.2	336.2	337.0	337.7	338.2	338.8	339.0	339.5	339.3
140°	328.5	330.0	331.2	332.2	333.2	334.1	334.4	335.2	335.3	335.6	335.3
142.5°	324.1	325.4	326.7	327.9	328.6	329.5	329.9	330.5	330.7	331.0	330.8
145°	321.8	322.8	323.9	324.9	325.6	326.2	326.3	327.2	327.6	327.9	328.0
147.5°	319.1	320.3	321.1	322.0	322.6	323.1	323.5	324.1	324.6	324.8	325.1
150°	317.7	318.8	319.8	320.8	321.5	322.2	322.4	323.1	323.4	323.7	323.7
152.5°	316.3	317.2	318.1	318.9	319.7	320.3	320.6	321.3	321.8	322.1	322.2
155°	315.0	316.1	317.0	317.9	318.5	319.3	319.9	320.5	321.0	321.3	321.6
157.5°	314.8	315.8	316.6	317.5	318.1	319.0	319.7	320.5	320.9	321.5	321.8
160°	315.8	316.9	317.5	318.4	319.1	319.9	320.5	321.3	321.9	322.3	322.9
162.5°	318.2	319.2	319.7	320.5	321.3	322.1	322.7	323.5	324.1	324.6	325.2
165°	320.1	321.0	321.7	322.6	323.5	324.3	324.8	325.5	325.9	326.4	326.8
167.5°	324.3	325.2	325.8	326.6	327.1	328.0	328.7	329.3	329.6	330.0	330.3
170°	327.1	327.9	328.7	329.2	329.9	330.6	331.0	331.3	331.8	332.1	332.5
172.5°	329.4	330.2	330.7	331.5	332.0	332.7	333.2	333.6	333.7	333.7	333.7
175°	331.3	331.9	332.4	332.8	333.2	333.7	334.3	334.3	334.4	334.4	334.5
177.5°	334.5	335.2	335.7	336.0	336.3	336.7	337.1	336.9	336.7	336.5	336.2
180°	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7



TEST NUMBER: P1444700
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL18

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41209.6	41230.2	41261.7	41290.3	41333.4	41367.3	41418.3	41457.0	41514.5	41551.9	41614.4
5°	41213.2	41293.9	41399.9	41503.3	41627.7	41740.6	41881.0	42000.5	42141.5	42256.6	42400.9
7.5°	41271.5	41426.9	41613.4	41801.1	42013.5	42212.1	42436.0	42638.5	42860.0	43047.4	43252.1
10°	41314.5	41554.3	41828.9	42105.3	42396.1	42666.4	42939.2	43175.0	43395.4	43576.6	43736.8
12.5°	41256.2	41586.5	41939.0	42279.2	42602.7	42882.4	43117.1	43298.5	43423.6	43508.5	43528.4
15°	41058.1	41455.6	41838.7	42177.6	42446.0	42653.0	42760.2	42810.3	42756.5	42667.1	42470.6
17.5°	40687.9	41107.2	41449.7	41717.1	41858.9	41915.1	41826.3	41671.9	41370.2	41035.3	40551.6
20°	40009.3	40400.0	40648.4	40794.2	40756.3	40616.0	40280.9	39873.6	39271.2	38629.1	37781.9
22.5°	38819.0	39160.5	39292.9	39303.8	39072.3	38720.9	38116.5	37417.9	36467.5	35479.5	34264.4
25°	37032.3	37331.4	37352.4	37234.8	36811.2	36241.8	35354.3	34366.0	33074.5	31758.1	30235.5
27.5°	34609.2	34896.0	34825.8	34606.6	34018.3	33256.5	32120.2	30843.5	29251.4	27696.4	26012.1
30°	31563.1	31869.9	31787.5	31506.2	30806.6	29906.1	28569.1	27085.8	25318.2	23657.3	21950.5
32.5°	27917.9	28305.8	28248.8	27981.5	27251.5	26287.8	24837.1	23263.8	21455.3	19818.8	18158.4
35°	23774.6	24245.6	24269.9	24095.2	23417.4	22464.9	21032.4	19509.6	17777.4	16233.2	14699.3
37.5°	19310.7	19856.7	19968.8	19921.7	19360.0	18519.2	17214.0	15847.9	14313.3	12959.9	11648.2
40°	14822.1	15374.7	15566.5	15623.5	15208.9	14557.7	13486.4	12383.8	11132.8	10036.1	8994.5
42.5°	10728.7	11218.6	11403.9	11520.6	11261.8	10827.5	10046.1	9245.4	8328.9	7537.9	6779.5
45°	7451.3	7797.8	7938.8	8056.2	7915.2	7670.2	7176.8	6676.0	6071.0	5554.1	5064.7
47.5°	5209.6	5400.7	5493.8	5550.7	5496.1	5368.3	5099.8	4809.7	4468.2	4166.1	3875.7
50°	3861.5	3963.2	4011.8	4044.8	4005.0	3933.9	3788.6	3630.7	3443.1	3272.0	3104.8
52.5°	3060.1	3118.5	3147.3	3165.1	3142.2	3098.8	3014.2	2920.5	2808.1	2702.4	2646.9
55°	2578.0	2574.9	2641.8	2609.5	2641.8	2569.7	2554.5	2451.6	2358.2	2292.5	2221.3
57.5°	2126.0	2156.3	2169.1	2183.5	2174.2	2161.0	2125.0	2088.2	2038.9	1997.8	1953.8
60°	1840.3	1865.2	1879.3	1893.6	1892.6	1887.7	1866.9	1844.8	1814.1	1789.5	1762.9
62.5°	1643.5	1665.1	1679.0	1692.6	1693.9	1691.8	1676.1	1660.8	1639.9	1624.4	1606.0
65°	1488.6	1503.8	1513.3	1524.2	1523.6	1520.6	1506.4	1493.7	1476.4	1465.7	1452.3
67.5°	1326.6	1338.1	1345.4	1355.7	1357.7	1358.3	1350.5	1344.6	1336.1	1333.1	1328.4
70°	1211.4	1225.3	1237.1	1250.1	1257.1	1260.5	1257.1	1254.1	1249.2	1247.1	1243.5
72.5°	1124.2	1135.9	1145.1	1157.0	1163.5	1168.3	1165.7	1164.0	1159.7	1159.1	1156.6
75°	1015.9	1024.0	1029.2	1038.0	1041.6	1046.0	1044.0	1045.0	1043.7	1047.1	1046.9
77.5°	885.6	891.6	894.1	900.5	901.1	906.5	907.7	914.0	918.4	928.2	933.4
80°	739.0	742.9	742.9	749.4	752.4	761.4	765.7	775.9	780.6	789.4	790.2
82.5°	574.1	569.7	574.1	571.3	579.8	589.8	591.3	600.0	602.0	607.5	603.2
85°	392.5	392.2	388.6	389.2	386.7	387.9	386.4	388.0	386.5	386.7	382.7
87.5°	188.0	189.7	185.6	187.0	183.0	184.8	181.3	184.1	179.9	180.5	174.4
90°	29.3	29.8	29.9	30.4	31.5	32.8	34.5	35.9	38.1	39.5	41.3
92.5°	27.6	28.7	29.6	30.6	31.5	34.2	36.9	39.7	42.5	45.1	47.9
95°	31.5	32.3	33.1	34.2	35.0	38.9	43.0	46.9	50.9	54.8	58.8
97.5°	35.7	36.3	36.8	37.2	38.0	42.6	47.3	52.0	56.6	61.3	65.8
100°	41.2	41.8	42.3	43.1	43.8	54.5	65.3	76.0	86.8	97.4	108.2
102.5°	64.8	68.5	72.4	76.4	80.1	106.2	132.2	158.4	184.2	210.2	236.2
105°	141.6	154.3	167.3	180.0	192.7	232.1	271.6	311.1	350.2	389.6	429.1
107.5°	281.2	303.4	326.0	348.3	370.6	407.8	444.8	481.7	518.9	555.9	592.6
110°	428.4	447.4	467.0	486.3	505.5	534.7	564.3	593.5	622.8	652.1	681.3



TEST NUMBER: P1444700
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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°	515.5	527.1	538.9	550.4	562.1	583.6	605.3	626.6	648.2	669.3	690.7
115°	540.5	546.4	552.7	558.7	565.0	577.8	590.6	603.4	616.3	628.9	641.8
117.5°	528.8	530.9	533.3	535.0	537.1	543.5	550.0	556.4	562.9	569.3	575.7
120°	496.1	495.7	495.4	494.8	494.4	496.0	498.0	499.7	501.5	503.0	504.6
122.5°	459.0	457.1	455.5	453.5	451.7	450.4	449.4	448.1	447.3	445.8	444.8
125°	424.4	422.4	420.6	418.5	416.4	414.1	411.9	409.4	407.0	404.6	402.1
127.5°	395.8	393.8	392.3	390.2	388.4	385.6	382.9	380.2	377.6	374.6	372.0
130°	372.9	371.3	370.2	368.2	367.0	364.1	361.9	359.3	356.8	354.3	351.8
132.5°	357.8	356.6	355.6	354.0	352.8	350.3	348.4	345.8	343.4	341.1	338.9
135°	347.1	346.3	345.6	344.4	343.4	341.2	339.5	337.5	335.6	333.6	331.8
137.5°	339.2	338.4	337.9	337.2	336.4	334.5	333.0	331.2	329.7	327.9	326.3
140°	335.2	334.6	334.3	333.6	332.8	331.1	329.4	327.6	326.0	324.2	322.6
142.5°	330.5	330.1	329.7	329.0	328.4	326.8	325.8	324.3	322.9	321.5	320.2
145°	327.9	327.6	327.4	326.9	326.7	325.0	323.7	322.1	320.9	319.3	318.0
147.5°	325.2	324.9	324.9	324.6	324.6	323.2	322.2	320.9	319.9	318.7	317.7
150°	323.8	323.7	323.7	323.3	323.1	321.9	321.1	319.8	319.0	317.7	316.8
152.5°	322.4	322.5	322.6	322.5	322.6	321.7	320.7	319.7	318.7	317.4	316.5
155°	321.9	322.1	322.1	322.1	322.1	321.3	320.5	319.7	318.8	317.8	317.0
157.5°	322.1	322.4	322.7	322.9	323.0	322.3	321.6	320.9	320.2	319.3	318.6
160°	323.3	323.8	324.0	324.2	324.6	323.9	323.6	322.8	322.4	321.5	320.7
162.5°	325.6	326.1	326.3	326.5	326.8	326.2	325.9	325.4	324.7	323.8	323.1
165°	327.2	327.3	327.7	327.8	327.9	327.5	327.3	326.9	326.5	325.9	325.5
167.5°	330.6	330.7	331.1	331.1	331.3	331.1	331.2	330.8	330.4	330.2	329.8
170°	332.6	332.8	333.0	333.1	333.3	333.0	332.8	332.6	332.5	331.9	331.6
172.5°	334.0	334.0	334.0	334.2	334.2	334.0	333.8	333.6	333.6	333.4	333.2
175°	334.4	334.4	334.5	334.4	334.4	334.4	334.4	334.4	334.4	334.2	334.1
177.5°	336.2	336.1	335.9	335.6	335.5	335.4	335.5	335.3	335.5	335.4	335.3
180°	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7



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CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41653.1	41395.9	41362.0	41380.0	41423.0	41438.9	41485.3	41497.9	41544.6	41556.1	41601.0
5°	42512.6	42172.6	42189.6	42271.3	42395.1	42468.8	42590.5	42654.1	42770.2	42823.1	42928.0
7.5°	43418.9	43151.9	43235.1	43373.0	43542.2	43659.4	43805.6	43900.7	44026.6	44104.9	44205.7
10°	43863.8	43790.7	43882.4	43990.8	44087.4	44163.0	44224.9	44274.6	44307.0	44337.4	44350.8
12.5°	43525.2	43638.5	43654.1	43643.5	43579.6	43530.7	43421.0	43346.5	43214.2	43133.5	42976.1
15°	42269.9	42518.8	42381.0	42172.3	41866.9	41612.3	41252.7	40984.9	40610.5	40356.5	39980.7
17.5°	40066.9	40381.1	40021.9	39539.0	38924.6	38399.0	37744.6	37225.0	36574.3	36101.0	35493.7
20°	36965.4	37259.1	36618.3	35817.8	34867.4	34067.6	33124.4	32372.0	31495.4	30843.5	30056.7
22.5°	33103.8	33313.0	32410.4	31331.1	30120.3	29121.2	27993.4	27091.3	26091.0	25345.7	24506.8
25°	28831.7	28888.1	27805.4	26562.0	25212.6	24089.6	22885.7	21937.2	20917.1	20161.7	19338.3
27.5°	24519.8	24437.0	23266.8	21948.4	20528.9	19361.7	18187.4	17298.6	16405.2	15724.7	15015.3
30°	20450.0	20249.4	19034.4	17679.3	16301.4	15255.2	14280.4	13566.6	12855.8	12316.1	11746.6
32.5°	16717.8	16435.0	15252.2	13982.7	12821.6	12014.3	11291.4	10751.3	10177.3	9721.3	9243.5
35°	13412.1	13110.8	12063.0	10986.7	10107.9	9512.8	8944.7	8501.6	8014.2	7629.6	7214.6
37.5°	10575.1	10328.1	9450.4	8603.5	7938.8	7477.6	7012.1	6649.9	6247.2	6078.0	5634.6
40°	8163.9	7991.3	7305.0	6680.7	6181.6	5964.9	5492.4	5154.1	4853.1	4605.0	4364.5
42.5°	6368.0	6306.9	5639.0	5152.1	4800.7	4527.7	4264.4	4050.6	3842.5	3671.4	3509.8
45°	4673.1	4624.8	4328.3	4047.2	3807.7	3617.0	3439.0	3292.0	3155.9	3043.2	2940.6
47.5°	3639.0	3623.6	3452.7	3278.5	3127.6	3005.0	2889.5	2791.9	2701.6	2626.3	2601.9
50°	2959.7	2957.8	2857.5	2750.0	2642.5	2571.6	2498.0	2440.3	2382.3	2337.1	2289.4
52.5°	2514.8	2503.9	2436.3	2369.9	2306.1	2259.6	2212.4	2175.5	2137.1	2109.3	2079.6
55°	2165.0	2176.4	2137.3	2097.7	2057.7	2028.8	1995.8	1971.5	1945.1	1927.5	1909.6
57.5°	1922.0	1937.2	1916.7	1894.1	1869.8	1850.8	1828.1	1811.2	1793.6	1782.5	1772.0
60°	1745.3	1761.8	1753.5	1742.2	1727.2	1715.9	1701.4	1692.0	1680.7	1674.5	1668.6
62.5°	1595.3	1616.0	1613.1	1607.7	1598.1	1591.8	1583.8	1579.7	1572.2	1569.5	1566.7
65°	1445.7	1469.0	1468.5	1465.8	1460.5	1458.7	1453.8	1452.8	1449.0	1450.6	1450.2
67.5°	1328.0	1348.2	1352.7	1355.9	1355.7	1356.9	1356.5	1358.5	1358.5	1361.4	1363.2
70°	1243.1	1257.1	1260.5	1263.9	1264.8	1267.6	1267.6	1269.2	1268.8	1271.2	1271.6
72.5°	1157.2	1175.8	1179.2	1181.9	1181.9	1184.5	1183.1	1182.6	1179.0	1178.2	1175.6
75°	1050.5	1074.2	1079.3	1082.7	1083.2	1085.5	1082.3	1080.2	1074.2	1071.7	1067.4
77.5°	938.9	963.5	967.2	968.4	966.4	966.9	960.2	955.6	947.7	944.5	940.4
80°	793.6	829.9	832.9	830.5	824.9	823.9	817.4	813.1	803.8	800.6	797.0
82.5°	603.9	646.5	652.5	655.1	650.4	651.5	645.3	642.8	634.2	632.7	627.0
85°	381.3	423.8	430.9	429.8	425.3	424.2	420.4	421.7	421.0	423.2	424.4
87.5°	175.2	216.4	226.3	223.1	222.6	219.8	213.2	215.6	219.6	222.2	222.3
90°	43.0	57.0	58.4	58.2	53.9	53.0	49.1	49.0	45.8	45.4	42.3
92.5°	50.6	53.3	56.1	53.6	51.2	48.7	46.3	43.7	41.4	38.9	36.5
95°	62.7	66.4	70.3	67.1	63.7	60.5	57.2	54.0	50.7	47.5	44.2
97.5°	70.4	74.9	79.3	76.1	72.8	69.4	66.1	62.9	59.6	56.3	53.0
100°	118.9	129.0	139.6	130.4	121.1	111.8	102.6	93.2	83.9	74.7	65.3
102.5°	262.2	287.7	313.5	290.0	266.5	243.0	219.7	196.1	172.8	149.2	125.8
105°	468.2	507.0	546.1	510.0	474.2	438.5	402.7	366.9	331.1	295.2	259.6
107.5°	629.5	665.4	702.0	669.5	637.1	604.7	572.1	539.8	507.2	474.8	442.5
110°	710.5	738.4	767.3	745.2	723.3	701.2	679.4	657.4	635.6	613.9	592.1



TEST NUMBER: P1444700
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL18

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	712.0	731.5	752.4	739.1	726.2	713.1	700.2	687.1	674.3	661.2	648.6
115°	654.2	664.8	676.9	671.2	665.9	660.2	654.8	649.5	644.0	638.6	633.6
117.5°	581.9	585.7	591.1	589.4	588.1	586.4	584.9	583.5	582.3	580.8	579.6
120°	506.3	505.0	505.8	505.6	505.7	505.5	505.6	505.5	505.7	505.8	506.1
122.5°	443.3	439.1	436.7	436.5	436.4	435.9	435.9	435.8	435.6	435.5	435.7
125°	399.7	393.7	390.2	388.4	386.8	385.0	383.3	381.4	380.0	378.4	377.0
127.5°	369.2	362.7	359.0	356.1	353.2	350.1	347.3	344.2	341.5	338.5	335.9
130°	349.3	342.8	339.3	335.7	332.4	328.7	325.4	321.9	318.3	315.0	311.5
132.5°	336.5	329.9	326.5	323.2	320.1	316.4	313.3	309.8	306.4	302.7	299.7
135°	329.7	323.4	320.5	317.2	314.4	311.2	308.1	304.8	301.8	298.5	295.7
137.5°	324.6	318.1	315.6	312.8	310.4	307.7	305.3	302.5	300.0	296.9	294.5
140°	320.8	314.1	311.4	309.7	308.2	306.3	304.6	302.7	301.0	299.2	297.4
142.5°	318.8	312.2	309.7	308.4	307.4	306.0	305.0	303.7	302.5	300.8	299.5
145°	316.6	309.3	306.7	306.0	305.8	305.2	304.7	304.1	303.6	302.8	302.4
147.5°	316.4	308.8	306.2	306.0	305.9	305.4	305.5	304.9	305.0	304.5	304.4
150°	315.5	307.0	304.0	304.1	304.0	304.1	304.2	304.1	304.4	304.4	304.4
152.5°	315.3	305.1	301.7	301.8	302.2	302.2	302.4	302.7	303.1	303.3	303.5
155°	315.7	304.7	300.9	300.7	300.8	300.8	300.8	301.1	301.3	301.5	301.9
157.5°	317.6	305.8	302.2	301.7	301.7	301.6	301.5	301.7	301.7	301.8	302.3
160°	320.0	308.2	304.5	304.1	304.0	303.7	303.5	303.5	303.6	303.7	304.0
162.5°	322.3	310.8	307.4	306.8	306.4	306.2	306.1	305.8	305.9	305.8	306.1
165°	324.8	314.7	311.3	310.8	310.8	310.6	310.4	310.4	310.4	310.4	310.7
167.5°	329.2	320.0	317.4	317.0	316.5	316.1	316.1	315.5	315.5	315.1	315.1
170°	331.1	323.9	321.7	321.4	321.5	321.4	321.2	321.2	321.1	321.0	321.1
172.5°	332.8	327.6	325.8	325.9	326.2	326.2	326.3	326.4	326.6	326.8	327.0
175°	334.0	330.8	330.1	329.9	330.0	330.1	330.2	330.3	330.4	330.5	330.9
177.5°	335.3	334.4	334.1	334.1	334.1	334.1	334.1	334.1	334.1	334.3	334.3
180°	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7



TEST NUMBER: P1444700
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL18

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41609.3	41657.8	41654.2	41699.5	41697.2	41739.9	41731.3	41768.1	41759.8	41791.3	41772.8
5°	42974.2	43066.5	43096.9	43180.2	43197.4	43272.0	43273.5	43332.7	43325.6	43371.9	43347.2
7.5°	44265.4	44351.5	44392.4	44457.1	44489.4	44542.9	44563.9	44607.9	44618.5	44644.6	44643.8
10°	44374.3	44374.0	44394.2	44385.2	44403.2	44392.8	44414.8	44406.9	44439.5	44431.0	44455.7
12.5°	42908.2	42762.7	42709.5	42578.8	42550.2	42438.1	42446.0	42374.1	42408.9	42364.7	42439.9
15°	39757.1	39419.5	39252.8	38959.4	38867.2	38635.3	38616.4	38462.4	38504.0	38423.3	38541.1
17.5°	35100.8	34569.3	34277.8	33849.1	33679.0	33350.9	33285.1	33086.8	33117.6	33017.7	33160.0
20°	29549.2	28907.0	28539.1	28043.5	27822.4	27431.3	27327.6	27105.7	27133.5	27034.0	27195.1
22.5°	23934.2	23262.0	22846.8	22327.2	22044.9	21677.1	21566.7	21343.9	21356.5	21263.2	21418.0
25°	18774.3	18129.8	17726.7	17254.9	17009.9	16672.6	16556.7	16356.5	16367.8	16290.8	16429.8
27.5°	14523.3	13994.5	13657.2	13261.7	13042.1	12764.9	12651.8	12483.4	12483.0	12426.5	12542.6
30°	11349.1	10907.9	10605.0	10260.6	10054.4	9804.1	9694.9	9544.4	9537.8	9497.7	9590.0
32.5°	8886.1	8493.6	8217.5	7914.3	7729.1	7514.4	7411.1	7290.1	7279.0	7242.7	7318.5
35°	6907.8	6577.2	6339.8	6084.6	6103.4	5786.6	5839.3	5593.2	5526.5	5512.0	5568.3
37.5°	5338.9	5083.0	4890.0	4698.9	4569.4	4435.6	4363.5	4298.8	4291.4	4285.1	4324.6
40°	4178.9	3999.8	3859.4	3728.3	3639.2	3557.5	3512.4	3477.0	3468.5	3463.8	3487.7
42.5°	3382.2	3261.3	3170.9	3090.8	3036.7	2992.4	2967.6	2947.8	2941.2	2941.4	2955.5
45°	2857.5	2784.2	2725.9	2676.2	2641.6	2656.8	2612.1	2635.5	2604.6	2636.6	2615.5
47.5°	2516.5	2454.0	2417.9	2382.7	2361.8	2344.9	2345.6	2345.8	2352.4	2353.5	2360.4
50°	2253.2	2217.2	2192.0	2169.6	2158.7	2149.9	2152.9	2155.2	2161.6	2162.1	2167.2
52.5°	2058.5	2034.7	2019.6	2005.7	2000.8	1995.8	1997.9	1997.0	1999.9	1998.4	2002.5
55°	1900.0	1888.8	1884.0	1878.9	1879.6	1878.3	1879.1	1874.1	1871.0	1867.2	1870.8
57.5°	1769.9	1768.4	1771.6	1773.7	1779.7	1781.8	1783.3	1777.4	1771.9	1766.9	1769.7
60°	1669.6	1672.1	1680.1	1686.5	1695.1	1699.0	1701.5	1698.2	1694.1	1690.0	1692.5
62.5°	1570.8	1574.6	1584.2	1591.3	1601.7	1607.1	1613.1	1613.4	1614.9	1613.4	1615.0
65°	1456.0	1460.8	1469.4	1475.4	1485.0	1489.7	1495.9	1496.9	1500.3	1499.5	1502.5
67.5°	1368.9	1373.2	1380.4	1386.0	1394.5	1399.4	1404.8	1405.1	1406.3	1406.0	1408.8
70°	1275.8	1278.0	1284.4	1289.1	1297.7	1302.8	1308.9	1310.7	1314.5	1315.1	1318.2
72.5°	1176.7	1175.8	1179.6	1181.7	1188.2	1192.2	1199.9	1204.2	1210.6	1212.3	1214.6
75°	1068.7	1067.8	1072.3	1074.2	1079.7	1083.6	1092.4	1098.1	1108.0	1112.1	1111.1
77.5°	943.6	945.8	954.3	959.0	966.4	971.5	982.8	991.8	1010.0	1018.0	1009.9
80°	803.8	806.0	814.9	819.4	829.0	835.2	847.8	858.4	874.7	878.3	873.7
82.5°	631.9	632.5	640.6	643.8	656.4	665.4	681.5	689.9	700.1	698.5	697.3
85°	430.9	436.7	446.6	456.6	471.9	486.6	501.7	514.3	505.4	519.4	503.8
87.5°	230.3	229.6	243.1	241.0	262.4	274.8	287.9	294.3	301.3	299.9	300.0
90°	42.7	40.3	41.3	38.4	40.5	37.4	40.5	37.7	41.5	37.9	43.9
92.5°	34.0	32.8	31.3	30.2	28.7	27.5	26.0	24.8	23.4	22.1	23.4
95°	41.0	39.7	38.6	37.2	35.9	34.8	33.5	32.3	31.1	29.9	31.4
97.5°	49.8	49.1	48.4	47.7	47.0	46.3	45.6	44.9	44.0	43.3	44.3
100°	56.1	56.1	56.1	56.1	55.8	55.8	55.8	55.8	55.8	55.8	56.6
102.5°	102.3	100.0	97.7	95.2	92.9	90.5	88.1	85.8	83.5	81.2	84.7
105°	223.8	214.7	205.4	196.3	187.0	177.9	168.7	159.6	150.4	141.3	150.8
107.5°	410.3	393.5	376.7	360.1	343.3	326.6	309.9	293.4	276.7	260.0	274.9
110°	570.2	552.5	534.7	517.0	499.2	481.3	463.7	446.0	428.4	410.7	424.9



TEST NUMBER: P1444700
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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°	635.8	623.9	612.5	600.9	589.4	578.0	566.6	555.2	543.9	532.5	539.3
115°	628.2	622.6	616.9	611.4	605.9	600.2	594.7	589.3	583.9	578.5	579.0
117.5°	578.3	576.2	574.2	572.1	570.2	568.2	566.4	564.7	562.8	561.2	557.4
120°	506.4	506.5	506.6	507.1	507.4	507.9	508.2	508.9	509.6	510.4	505.2
122.5°	435.8	436.5	437.4	438.4	439.5	440.8	442.0	443.5	445.0	446.5	441.4
125°	375.3	376.0	376.8	377.7	378.4	379.8	381.0	382.5	383.8	385.5	381.1
127.5°	333.1	332.9	332.6	332.7	332.6	332.9	333.3	333.9	334.6	335.4	332.7
130°	308.2	307.0	305.7	304.8	303.7	303.2	302.7	302.1	301.7	301.7	300.8
132.5°	296.1	294.3	292.4	290.7	289.1	287.7	286.3	285.5	284.6	283.9	283.6
135°	292.3	290.0	287.7	285.5	283.4	282.0	280.1	278.8	277.5	276.4	277.0
137.5°	291.8	289.6	287.3	285.3	283.1	281.6	279.7	278.4	277.2	276.1	276.8
140°	295.6	293.3	291.0	289.0	287.1	285.5	283.8	282.6	281.1	280.4	280.6
142.5°	298.2	296.4	294.3	292.5	290.7	289.2	287.8	286.7	285.3	284.5	285.1
145°	301.6	300.2	298.6	297.2	295.9	294.9	293.5	292.8	292.0	291.7	291.9
147.5°	303.9	303.0	301.6	300.7	299.4	298.9	298.0	297.5	296.8	296.6	296.7
150°	304.4	303.8	303.0	302.4	301.7	301.3	300.8	300.5	300.1	300.0	300.0
152.5°	303.8	303.3	302.7	302.3	301.7	301.5	301.1	300.9	300.8	300.7	300.7
155°	302.1	301.9	301.7	301.6	301.4	301.6	301.4	301.7	301.6	301.8	302.0
157.5°	302.4	302.5	302.5	302.8	302.9	303.1	303.1	303.6	303.7	304.2	304.5
160°	304.3	304.5	304.5	304.7	304.8	304.9	305.2	305.4	305.7	305.9	306.4
162.5°	306.2	306.6	306.8	307.1	307.6	307.9	308.3	309.0	309.3	309.8	310.4
165°	310.8	310.9	311.0	310.9	311.4	311.5	311.7	312.2	312.4	313.0	313.5
167.5°	315.0	315.2	315.2	315.4	315.6	316.1	316.4	316.9	317.3	318.0	318.4
170°	320.8	320.8	320.8	320.8	320.8	321.2	321.3	321.4	321.6	322.1	322.3
172.5°	327.1	327.1	326.8	327.1	326.8	327.1	327.1	327.2	327.2	327.4	327.5
175°	330.7	331.1	331.1	331.5	331.4	331.5	331.6	331.8	331.9	332.1	332.1
177.5°	334.3	334.4	334.4	334.4	334.4	334.5	334.5	334.5	334.5	334.4	334.4
180°	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7



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CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41803.5	41782.6	41804.0	41782.2	41804.0	41777.9	41795.6	41767.4	41774.6	41745.4	41752.9
5°	43384.1	43350.8	43368.5	43325.2	43329.9	43272.0	43271.0	43203.6	43185.9	43109.2	43075.5
7.5°	44662.3	44651.4	44657.6	44629.7	44626.5	44587.0	44568.2	44512.5	44477.5	44406.9	44358.7
10°	44460.0	44492.6	44501.0	44534.2	44541.1	44574.0	44580.8	44613.7	44620.7	44645.0	44645.3
12.5°	42436.4	42547.0	42573.5	42710.2	42767.6	42924.0	43007.9	43180.2	43282.5	43454.4	43560.0
15°	38537.9	38729.4	38805.7	39072.5	39220.2	39531.7	39727.4	40085.2	40337.7	40717.6	40988.6
17.5°	33172.5	33440.0	33560.7	33922.6	34158.7	34618.4	34949.9	35495.4	35913.0	36519.2	36999.7
20°	27222.6	27519.9	27683.8	28096.6	28375.2	28912.5	29326.2	29996.5	30555.6	31323.6	31980.6
22.5°	21466.6	21749.5	21931.4	22351.4	22665.1	23225.4	23687.8	24395.4	25021.7	25887.2	26674.8
25°	16482.2	16741.5	16906.0	17285.9	17580.5	18095.4	18536.9	19217.4	19830.3	20698.4	21506.0
27.5°	12600.5	12817.6	12976.1	13300.1	13559.8	13996.6	14375.9	14938.3	15466.3	16217.4	16936.5
30°	9646.8	9839.2	9993.4	10275.6	10516.4	10895.0	11228.5	11700.9	12137.9	12735.6	13307.7
32.5°	7371.7	7537.4	7674.8	7921.8	8140.3	8481.2	8781.7	9195.8	9570.8	10077.7	10548.4
35°	5620.6	5946.8	5923.6	6264.2	6319.0	6563.7	6831.7	7193.7	7525.9	7957.0	8357.5
37.5°	4362.6	4454.2	4552.5	4703.0	4861.3	5083.9	5310.3	5752.7	5914.8	6240.6	6572.2
40°	3518.0	3579.9	3644.8	3746.5	3857.3	4014.1	4179.1	4390.1	4606.3	4870.4	5140.2
42.5°	2974.1	3009.2	3050.5	3110.3	3178.5	3278.0	3388.3	3531.4	3681.8	3867.7	4057.4
45°	2657.2	2640.5	2652.8	2684.9	2726.1	2786.5	2856.1	2944.8	3042.7	3163.1	3291.3
47.5°	2361.8	2368.5	2372.1	2389.6	2411.6	2452.1	2494.4	2554.5	2670.7	2706.0	2776.0
50°	2166.6	2169.9	2168.8	2177.7	2188.8	2215.2	2242.6	2283.3	2324.0	2377.8	2429.2
52.5°	2003.1	2007.6	2007.1	2012.9	2018.9	2035.5	2052.8	2081.6	2108.3	2142.5	2172.1
55°	1874.0	1880.2	1882.7	1887.6	1890.5	1899.2	1906.1	1919.9	1931.2	1950.6	1968.5
57.5°	1774.6	1783.3	1787.2	1788.9	1785.4	1784.9	1782.6	1785.5	1787.8	1798.2	1808.3
60°	1696.5	1703.3	1704.4	1703.3	1696.9	1692.4	1685.0	1682.6	1681.5	1686.5	1692.0
62.5°	1614.6	1617.1	1615.4	1613.4	1606.0	1601.6	1594.0	1591.2	1588.5	1592.1	1595.1
65°	1501.4	1503.5	1501.4	1500.1	1493.5	1490.1	1483.7	1481.4	1477.8	1478.8	1478.1
67.5°	1409.4	1411.6	1409.9	1408.2	1403.6	1401.4	1396.7	1393.7	1389.2	1387.5	1384.5
70°	1317.7	1319.4	1316.8	1315.1	1310.0	1307.9	1303.6	1302.6	1299.1	1298.3	1294.8
72.5°	1212.3	1212.5	1208.8	1207.8	1203.9	1203.8	1201.9	1203.6	1203.5	1205.3	1204.6
75°	1104.5	1103.0	1098.3	1097.5	1094.7	1096.0	1094.1	1096.6	1097.0	1100.9	1101.4
77.5°	996.4	990.8	982.0	977.9	972.1	971.3	968.0	970.3	969.5	974.1	975.9
80°	859.9	853.1	841.9	836.5	829.7	828.6	825.5	828.6	827.1	832.4	836.2
82.5°	686.5	680.6	669.0	664.7	656.8	657.5	654.1	657.5	657.0	665.0	669.6
85°	507.9	503.9	491.9	481.4	469.6	462.7	456.0	454.7	452.8	456.0	458.8
87.5°	293.4	289.6	280.4	274.2	253.5	254.4	246.3	245.9	243.9	242.0	246.3
90°	42.1	47.1	45.4	50.0	49.1	54.4	53.8	58.8	57.4	62.1	61.5
92.5°	24.8	26.0	27.4	28.7	30.0	31.3	32.6	34.0	36.8	39.3	42.5
95°	32.9	34.4	35.9	37.5	39.0	40.5	42.1	43.6	47.8	51.9	56.1
97.5°	45.5	46.3	47.3	48.4	49.4	50.3	51.4	52.4	57.0	61.5	65.9
100°	57.4	58.2	59.0	59.9	60.7	61.5	62.3	63.1	72.0	80.6	89.2
102.5°	88.0	91.5	95.0	98.4	102.0	105.5	108.9	112.4	132.3	152.1	171.9
105°	160.2	169.7	179.3	188.7	198.1	207.5	217.1	226.5	258.3	290.1	322.0
107.5°	289.9	304.8	319.7	334.8	349.8	364.8	379.8	394.8	425.8	456.9	487.9
110°	439.2	453.5	467.8	482.1	496.4	510.7	525.1	539.6	558.3	576.9	595.7



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 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL18

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	546.4	553.2	560.3	567.4	574.4	581.6	588.8	595.9	605.4	615.0	624.5
115°	579.5	580.0	580.6	581.2	581.8	582.4	583.4	584.1	587.5	590.7	594.0
117.5°	553.6	549.9	546.4	542.6	539.1	535.8	532.5	529.2	529.0	528.8	529.0
120°	500.5	495.4	490.6	485.6	480.9	476.3	471.9	467.5	465.5	463.6	461.8
122.5°	436.6	431.7	426.9	422.1	417.6	413.2	408.9	404.7	403.6	402.6	401.6
125°	377.1	373.2	369.3	365.6	362.2	358.7	355.4	352.1	352.8	353.3	354.4
127.5°	330.5	328.2	326.1	324.1	322.4	320.5	319.1	317.4	319.6	321.6	323.7
130°	299.9	299.2	298.8	298.1	298.1	297.9	297.8	297.7	300.8	303.4	306.6
132.5°	284.1	284.3	284.8	285.3	286.1	286.9	288.1	288.9	292.1	295.2	298.4
135°	277.5	278.2	279.4	280.4	282.0	283.1	284.7	286.1	289.4	292.1	295.5
137.5°	277.8	278.7	280.0	281.2	282.8	284.2	286.1	287.6	290.2	292.7	295.4
140°	281.6	282.3	283.6	284.6	285.9	287.2	289.0	290.2	292.7	294.7	296.7
142.5°	286.1	286.6	287.7	288.8	290.1	291.2	292.7	293.8	295.7	297.2	299.2
145°	292.7	293.2	294.2	295.0	296.0	297.0	298.2	299.2	300.5	301.7	303.0
147.5°	297.3	297.7	298.5	299.3	300.2	301.0	301.7	302.5	303.7	304.5	305.7
150°	300.6	300.9	301.5	301.7	302.5	303.3	304.1	304.6	305.5	306.2	307.2
152.5°	301.4	301.6	302.1	302.4	303.1	303.6	304.1	304.8	305.7	306.2	307.1
155°	302.5	303.1	303.7	304.1	304.9	305.2	306.0	306.5	307.3	307.8	308.6
157.5°	305.1	305.4	306.2	306.6	307.3	307.7	308.3	308.8	309.6	310.0	310.7
160°	307.0	307.7	308.2	309.0	309.8	310.3	311.0	311.7	312.3	312.8	313.4
162.5°	310.9	311.5	312.2	312.6	313.2	313.9	314.3	314.9	315.8	316.2	317.1
165°	314.2	314.8	315.6	316.1	316.9	317.7	318.2	318.9	319.4	320.0	320.5
167.5°	319.1	319.5	320.4	321.0	321.7	322.2	322.9	323.5	324.1	324.4	325.0
170°	322.9	323.4	323.9	324.6	325.1	325.5	326.2	326.6	327.3	327.7	328.4
172.5°	327.9	328.3	328.7	329.0	329.4	330.0	330.3	330.6	331.1	331.5	331.9
175°	332.1	332.1	332.3	332.5	332.6	332.6	332.8	333.0	333.2	333.4	333.6
177.5°	334.5	334.7	334.8	334.9	335.0	335.2	335.2	335.3	335.3	335.3	335.3
180°	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7



TEST NUMBER: P1444700
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CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41723.7	41725.5	41691.9	41690.0	41658.4	41654.5	41623.8	41614.4	41589.5	41580.5	41555.1
5°	42989.5	42948.5	42853.8	42798.1	42704.5	42642.5	42541.2	42475.1	42377.3	42303.5	42205.2
7.5°	44269.8	44206.1	44099.8	44013.6	43883.7	43780.0	43628.0	43503.5	43338.9	43196.4	43023.5
10°	44645.3	44635.5	44608.4	44568.9	44508.5	44440.6	44337.1	44229.3	44084.9	43928.3	43736.0
12.5°	43721.4	43821.1	43957.2	44037.9	44135.9	44178.9	44219.1	44209.1	44182.6	44103.3	43992.2
15°	41381.0	41661.4	42032.6	42320.3	42651.3	42891.8	43157.4	43322.9	43488.0	43564.2	43610.9
17.5°	37658.1	38188.9	38854.5	39406.1	40042.5	40553.7	41114.0	41535.9	41969.7	42280.5	42561.5
20°	32876.0	33645.1	34586.4	35418.0	36385.0	37225.4	38146.2	38902.2	39681.8	40291.4	40868.4
22.5°	27688.9	28602.3	29740.4	30794.7	32041.3	33161.6	34425.7	35525.9	36674.6	37634.2	38562.1
25°	22588.4	23590.1	24834.5	26010.8	27422.6	28725.8	30224.9	31596.1	33080.7	34369.7	35643.1
27.5°	17930.9	18914.3	20184.7	21436.9	22929.8	24318.4	25924.6	27435.2	29125.7	30684.7	32279.4
30°	14102.8	14936.8	16076.1	17288.8	18761.2	20174.3	21798.0	23351.7	25110.3	26812.3	28608.6
32.5°	11173.2	11808.7	12704.3	13729.7	15088.3	16433.5	17979.5	19479.3	21211.2	22930.5	24798.7
35°	8873.5	9369.2	10052.1	10852.3	12002.8	13162.4	14529.8	15893.8	17509.5	19141.0	20956.8
37.5°	6997.3	7399.4	7934.2	8535.4	9458.2	10409.8	11531.1	12661.8	14065.7	15512.1	17157.7
40°	5464.1	5789.7	6206.1	6654.4	7351.2	8084.4	8951.6	9828.5	10956.4	12138.4	13500.4
42.5°	4292.4	4532.7	4826.8	5154.4	5804.5	6193.9	6781.8	7416.1	8245.3	9103.3	10127.4
45°	3447.2	3611.1	3815.1	4034.8	4336.6	4666.7	5069.5	5491.8	6279.5	6665.9	7288.6
47.5°	2878.8	2988.8	3118.5	3257.0	3435.0	3627.0	3865.9	4110.1	4425.9	4753.2	5137.0
50°	2496.0	2607.8	2652.3	2724.1	2827.1	2936.7	3071.4	3206.1	3375.5	3547.2	3744.7
52.5°	2211.8	2248.3	2296.7	2342.4	2406.2	2531.0	2571.4	2641.8	2736.8	2829.6	2933.5
55°	1994.8	2018.5	2050.1	2077.6	2116.2	2153.1	2206.3	2253.2	2316.4	2372.5	2441.4
57.5°	1825.9	1841.1	1862.9	1881.0	1906.0	1926.7	1957.9	1983.3	2019.8	2051.5	2093.2
60°	1703.2	1713.3	1728.0	1739.8	1755.6	1766.5	1782.0	1794.0	1813.2	1829.2	1852.5
62.5°	1603.0	1608.1	1617.8	1624.7	1634.8	1640.3	1648.6	1653.8	1664.3	1672.4	1685.4
65°	1482.7	1483.9	1490.3	1493.3	1501.2	1504.2	1510.8	1513.3	1522.1	1527.9	1539.4
67.5°	1384.1	1381.4	1381.5	1379.3	1380.4	1378.1	1378.7	1376.2	1379.8	1381.5	1390.3
70°	1294.2	1290.4	1289.1	1285.0	1283.8	1279.5	1278.3	1274.4	1274.0	1272.7	1275.8
72.5°	1206.5	1205.4	1205.7	1202.9	1202.5	1199.7	1199.7	1198.0	1199.9	1200.8	1204.8
75°	1105.6	1106.0	1108.0	1105.4	1106.2	1103.7	1104.6	1102.3	1103.5	1103.1	1107.1
77.5°	982.9	985.9	991.2	990.1	991.8	989.1	990.3	987.1	988.0	985.9	987.4
80°	845.0	851.0	858.3	858.0	861.0	859.1	861.7	858.7	859.9	856.3	855.3
82.5°	681.1	686.3	693.9	694.2	701.0	702.2	709.7	709.3	714.1	711.0	708.9
85°	465.6	469.1	475.9	479.5	486.5	490.8	497.9	500.8	495.7	505.1	497.6
87.5°	243.1	252.2	247.1	258.9	256.1	268.1	265.5	276.5	274.4	283.8	282.6
90°	67.9	68.0	74.7	75.2	83.4	84.9	90.5	88.6	94.0	92.3	97.6
92.5°	45.0	48.1	51.0	53.8	56.7	59.7	56.9	54.3	51.6	49.2	46.3
95°	60.2	64.3	68.5	72.7	76.8	81.0	76.5	72.3	67.8	63.4	58.8
97.5°	70.4	74.9	79.4	83.9	88.4	92.9	87.6	82.3	77.0	71.9	66.7
100°	97.8	106.7	115.3	123.9	132.7	141.3	131.6	121.7	112.1	102.2	92.4
102.5°	192.0	211.8	231.8	251.7	271.5	291.4	270.6	250.1	229.1	208.3	187.5
105°	353.8	385.7	417.5	449.2	481.1	513.2	479.5	445.7	412.0	378.5	344.5
107.5°	519.1	550.1	581.5	612.4	643.6	674.9	640.7	606.5	572.6	538.3	504.1
110°	614.7	633.4	652.3	671.3	690.1	709.2	684.3	659.5	634.8	609.8	584.9



TEST NUMBER: P1444700
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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°	634.1	643.9	653.5	663.3	673.0	682.6	665.1	647.6	629.9	612.4	594.7
115°	597.6	601.0	604.5	607.9	611.3	614.8	603.1	591.4	579.9	568.2	556.2
117.5°	528.9	529.1	528.9	529.3	529.2	529.2	522.9	516.8	510.4	504.0	497.6
120°	459.9	458.2	456.4	454.7	452.7	450.7	448.6	446.3	443.8	441.4	438.8
122.5°	400.6	399.9	398.9	397.9	396.7	395.7	395.1	394.8	394.2	393.6	392.9
125°	355.1	355.8	356.5	357.4	358.0	358.7	358.7	358.9	358.8	359.0	358.9
127.5°	325.5	327.7	329.5	331.4	333.1	335.2	335.5	336.3	336.7	337.2	337.7
130°	309.2	312.3	314.9	317.5	320.0	323.0	323.2	323.8	324.1	324.5	324.8
132.5°	301.6	304.7	307.6	310.8	313.7	316.6	316.9	317.4	317.4	318.0	318.2
135°	298.4	301.3	304.0	307.3	309.8	312.6	312.8	313.1	313.1	313.5	313.7
137.5°	297.7	300.4	302.7	305.2	307.3	309.8	309.8	310.1	310.0	310.5	310.6
140°	298.7	300.9	302.8	304.9	306.8	308.8	308.7	308.7	308.6	308.6	308.4
142.5°	300.8	302.5	303.9	305.7	307.0	308.7	308.1	307.8	307.5	307.2	306.8
145°	304.2	305.6	306.7	307.9	308.7	310.0	309.3	308.9	308.0	307.6	307.0
147.5°	306.5	307.5	308.1	309.1	309.5	310.6	309.8	309.2	308.6	307.8	307.1
150°	307.7	308.8	309.4	310.0	310.7	311.5	310.6	309.8	308.9	308.1	307.4
152.5°	307.7	308.5	309.1	309.7	310.2	310.7	309.8	309.3	308.2	307.4	306.5
155°	308.9	309.7	309.9	310.6	310.7	311.2	310.3	309.8	309.0	308.3	307.4
157.5°	311.1	311.7	312.2	312.4	312.8	313.2	312.7	312.3	311.5	311.2	310.5
160°	313.9	314.3	314.8	315.1	315.6	315.7	315.2	315.1	314.6	313.9	313.4
162.5°	317.4	318.2	318.6	319.0	319.6	319.9	319.4	319.0	318.4	317.9	317.2
165°	321.0	321.4	321.9	322.3	322.5	322.9	322.6	322.3	321.9	321.7	321.2
167.5°	325.4	326.0	326.2	326.7	326.9	327.1	326.8	326.8	326.2	325.9	325.4
170°	328.7	329.1	329.7	330.1	330.3	330.5	330.4	330.3	329.8	329.5	329.1
172.5°	332.3	332.8	332.9	333.3	333.4	333.7	333.5	333.1	332.8	332.5	332.0
175°	333.6	333.6	334.0	334.0	334.0	334.2	333.9	333.6	333.3	332.9	332.7
177.5°	335.3	335.3	335.3	335.2	335.2	335.2	335.1	334.8	334.6	334.4	334.0
180°	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7



TEST NUMBER: P1444700
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CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41546.0	41528.0	41516.3	41501.5	41492.4	41481.0	41472.6	41465.3	41459.5	41454.2	41450.2
5°	42130.2	42037.4	41965.3	41887.2	41823.1	41759.1	41709.9	41669.0	41640.9	41619.8	41607.2
7.5°	42874.0	42704.0	42552.9	42393.7	42251.1	42110.8	41989.9	41885.7	41807.5	41756.8	41726.1
10°	43538.2	43310.7	43085.6	42848.7	42624.2	42406.3	42205.2	42028.3	41888.3	41795.2	41741.0
12.5°	43836.0	43642.1	43412.3	43155.1	42879.8	42601.4	42329.9	42085.0	41879.5	41741.7	41662.2
15°	43573.8	43494.2	43338.2	43138.5	42877.3	42589.4	42270.7	41971.1	41695.5	41516.8	41413.2
17.5°	42720.7	42831.8	42819.9	42743.5	42555.7	42313.3	41988.5	41652.0	41307.3	41068.4	40938.0
20°	41281.1	41630.3	41807.5	41898.4	41824.6	41667.5	41373.4	41031.9	40630.1	40318.3	40127.9
22.5°	39258.2	39874.6	40258.8	40540.0	40599.6	40546.0	40286.4	39961.5	39513.6	39138.8	38857.7
25°	36653.9	37557.1	38164.3	38640.2	38825.2	38872.8	38651.9	38328.9	37829.7	37392.9	37006.9
27.5°	33586.4	34760.0	35570.7	36210.3	36499.0	36624.2	36420.9	36091.2	35500.6	34979.3	34475.0
30°	30133.1	31525.5	32501.5	33268.5	33620.4	33785.8	33569.7	33201.9	32514.6	31887.2	31251.9
32.5°	26436.9	27960.6	29024.1	29857.0	30205.7	30361.4	30078.7	29665.6	28871.1	28132.1	27391.2
35°	22567.0	24105.0	25177.5	25988.2	26280.5	26374.2	26012.9	25535.3	24655.1	23844.0	23036.1
37.5°	18618.3	20049.2	21024.0	21751.6	21932.5	21948.7	21513.2	20985.8	20060.6	19260.8	18456.7
40°	14703.8	15910.5	16697.5	17279.9	17342.6	17286.7	16813.2	16282.5	15417.0	14700.4	13994.5
42.5°	11016.5	11927.4	12489.0	12888.0	12864.3	12753.6	12319.6	11863.3	11149.3	10603.5	10048.0
45°	7857.5	8458.1	8786.5	9020.0	8945.0	8839.6	8501.7	8181.9	7696.7	7344.1	6970.8
47.5°	5458.8	6176.0	6051.1	6507.6	6114.3	6374.1	5833.0	5534.8	5277.2	5090.0	4879.0
50°	3908.0	4072.3	4151.7	4205.9	4177.1	4137.2	4040.0	3953.1	3835.5	3749.7	3649.8
52.5°	3018.0	3100.2	3145.2	3177.8	3171.4	3156.9	3114.4	3075.7	3020.6	2984.3	2940.6
55°	2556.4	2557.7	2640.4	2604.9	2657.4	2595.9	2620.0	2552.0	2563.0	2504.5	2465.2
57.5°	2124.3	2158.0	2173.1	2187.7	2183.6	2181.1	2164.7	2156.4	2137.9	2132.2	2119.0
60°	1868.6	1886.2	1889.8	1896.6	1890.9	1888.8	1875.9	1871.4	1858.9	1856.7	1848.0
62.5°	1693.3	1702.3	1702.3	1702.3	1694.9	1687.9	1673.6	1666.2	1655.6	1653.3	1648.3
65°	1546.9	1556.3	1557.8	1559.9	1554.5	1549.0	1536.4	1528.3	1517.4	1513.3	1507.5
67.5°	1396.0	1405.9	1409.2	1414.3	1411.2	1410.1	1401.6	1398.4	1391.2	1389.6	1384.1
70°	1277.4	1281.5	1281.2	1281.0	1274.3	1268.4	1258.4	1253.7	1246.2	1244.7	1239.8
72.5°	1206.8	1209.7	1207.9	1205.3	1196.5	1187.7	1176.0	1167.5	1157.7	1151.6	1144.7
75°	1107.5	1111.3	1108.8	1107.2	1099.4	1093.6	1084.2	1079.5	1072.7	1070.6	1065.9
77.5°	985.6	987.4	983.4	982.9	977.0	973.3	966.3	965.0	960.0	960.2	955.6
80°	849.9	848.7	842.3	841.1	835.2	833.7	828.1	828.4	824.4	826.1	822.9
82.5°	699.3	695.4	687.1	684.6	677.7	677.1	673.4	676.5	674.1	677.7	675.6
85°	501.1	502.2	498.5	498.5	496.5	497.2	496.8	499.1	499.4	502.8	502.7
87.5°	279.4	283.4	282.6	286.3	286.1	290.2	291.7	297.7	298.5	304.1	304.1
90°	95.9	101.9	100.1	106.2	105.7	112.3	112.8	119.4	119.1	124.8	123.3
92.5°	43.8	41.1	38.7	35.8	34.5	32.8	32.2	30.2	29.2	27.5	26.3
95°	54.4	49.9	45.4	41.0	39.5	37.8	36.3	34.8	33.2	31.6	30.1
97.5°	61.4	56.1	50.8	45.5	44.2	42.9	41.4	40.1	38.8	37.4	36.2
100°	82.5	72.7	63.0	53.0	51.9	50.8	49.6	48.6	47.4	46.2	45.0
102.5°	166.7	145.8	124.9	104.0	100.1	96.1	92.1	88.0	84.0	80.1	76.2
105°	310.8	277.0	243.1	209.2	198.5	187.7	177.0	166.1	155.3	144.5	133.8
107.5°	469.8	435.4	401.2	366.8	347.1	327.2	307.3	287.2	267.5	247.5	227.5
110°	560.1	535.1	510.0	484.9	469.2	453.1	437.1	421.1	405.2	389.1	373.0



TEST NUMBER: P1444700
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL18

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	576.9	559.1	541.5	523.4	516.3	509.0	502.0	494.7	487.5	480.1	472.9
115°	544.3	532.5	520.6	508.5	506.3	503.8	501.4	498.8	496.5	493.8	491.1
117.5°	491.3	484.7	478.2	471.6	472.1	472.8	473.6	474.1	474.4	474.8	475.2
120°	436.3	433.8	431.4	428.7	431.4	433.7	436.3	438.5	440.8	442.9	445.0
122.5°	392.4	391.6	391.0	390.1	393.3	396.4	399.2	402.1	404.9	407.3	409.8
125°	359.0	358.9	358.9	358.6	361.9	365.0	368.0	370.7	373.7	376.1	378.6
127.5°	338.2	338.6	339.3	339.4	342.1	344.2	346.7	348.5	350.8	352.4	354.2
130°	325.2	325.4	325.9	326.1	328.4	330.6	332.9	334.7	336.8	338.2	339.7
132.5°	318.6	318.8	319.1	319.3	321.3	322.9	324.8	326.0	327.6	328.5	329.5
135°	314.0	313.9	314.3	314.3	316.2	317.9	319.5	320.7	322.2	323.0	324.0
137.5°	310.8	310.8	311.0	311.0	312.8	314.3	315.7	316.9	318.1	319.1	319.8
140°	308.6	308.3	308.5	308.2	309.8	311.2	312.6	313.7	314.8	315.5	316.3
142.5°	306.5	305.8	305.9	305.2	306.5	307.4	308.5	309.3	310.2	310.7	311.2
145°	306.4	305.5	305.1	304.4	305.2	306.1	306.9	307.8	308.2	308.5	309.0
147.5°	306.6	305.7	304.9	304.1	305.1	305.6	306.2	306.5	307.2	307.4	307.6
150°	306.5	305.4	304.5	303.5	304.1	304.4	304.8	305.3	305.6	305.7	305.9
152.5°	305.6	304.6	303.7	302.5	302.8	303.1	303.3	303.3	303.6	303.6	303.6
155°	306.7	305.7	304.9	303.8	304.1	304.1	304.2	304.2	304.1	304.1	304.0
157.5°	309.8	308.7	308.3	307.3	307.2	307.2	307.1	306.6	306.6	306.2	305.8
160°	313.0	312.2	311.5	310.8	310.6	310.4	310.4	309.8	309.7	309.1	308.9
162.5°	316.5	315.8	314.9	314.1	313.9	313.8	313.6	313.1	313.0	312.4	312.1
165°	320.7	320.2	319.7	318.8	318.6	318.3	318.1	317.5	317.2	316.6	316.2
167.5°	324.9	324.4	323.8	322.9	322.9	322.8	322.6	322.2	322.1	321.5	321.3
170°	328.7	328.2	327.9	327.2	326.9	326.8	326.4	326.2	325.7	325.4	324.9
172.5°	331.5	331.1	330.5	329.8	329.8	329.6	329.4	329.2	328.7	328.5	328.3
175°	332.1	331.9	331.1	330.9	330.8	330.6	330.4	330.3	330.0	329.8	329.5
177.5°	333.8	333.6	333.0	332.8	332.8	332.8	332.6	332.4	332.4	332.3	332.1
180°	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7



TEST NUMBER: P1444700
CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL18

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	41286.7	41286.7
2.5°	41446.5	41444.4
5°	41600.6	41598.2
7.5°	41717.9	41717.1
10°	41731.6	41738.8
12.5°	41648.4	41654.2
15°	41405.3	41416.6
17.5°	40940.4	40955.2
20°	40139.5	40155.0
22.5°	38842.5	38849.0
25°	36957.0	36930.2
27.5°	34386.4	34340.3
30°	31118.5	31073.9
32.5°	27222.3	27194.5
35°	22836.4	22818.9
37.5°	18219.0	18183.2
40°	13736.3	13631.9
42.5°	9804.7	9621.5
45°	6775.9	6558.8
47.5°	4730.3	4596.1
50°	3585.4	3542.1
52.5°	2921.5	2911.4
55°	2465.1	2460.6
57.5°	2122.0	2120.5
60°	1852.5	1852.1
62.5°	1651.6	1652.4
65°	1510.1	1510.4
67.5°	1385.5	1384.7
70°	1241.5	1240.5
72.5°	1142.4	1140.7
75°	1065.9	1064.8
77.5°	956.9	955.3
80°	825.0	822.9
82.5°	678.6	676.2
85°	506.2	506.3
87.5°	309.7	309.6
90°	128.7	126.5
92.5°	25.3	24.2
95°	28.6	27.1
97.5°	34.8	33.5
100°	43.9	42.8
102.5°	72.2	68.3
105°	123.1	112.3
107.5°	207.6	187.8
110°	357.0	340.9



TEST NUMBER: P1444700
CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL18

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	465.4	458.1
115°	488.3	485.6
117.5°	475.4	475.6
120°	446.7	448.8
122.5°	412.1	414.3
125°	380.9	383.1
127.5°	355.6	356.8
130°	340.5	341.8
132.5°	330.2	330.6
135°	324.4	324.8
137.5°	320.1	320.5
140°	316.4	316.7
142.5°	311.4	311.5
145°	309.1	309.1
147.5°	307.2	307.2
150°	305.7	305.5
152.5°	303.3	303.2
155°	303.5	303.3
157.5°	305.2	304.8
160°	308.2	307.8
162.5°	311.4	311.0
165°	315.4	314.8
167.5°	320.6	320.5
170°	324.5	324.2
172.5°	327.9	327.5
175°	329.4	329.2
177.5°	332.1	331.8
180°	333.7	333.7

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-5

Test Date: 08/01/2025

Luminaire Tested: EHBR-60-L930-N

Data in this report applies to families of products including EHBR-60-L930-N

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-5
 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-L930-N**
 Description: Elevate Round Highbay at, 60000 lumens, 3000K 90CRI LEDs with N lens

Spectral Parameters

CCT (K): 2996
 CIE u': 0.2519
 CIE v': 0.5169
 Duv: -0.0033
 CIE x: 0.4325
 CIE y: 0.3945
 CIE z: 0.1730
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 584
 Purity: 48.21818
 Rf: 91.3
 Rg: 102

CRI (Ra):	94.4		
R1:	96.8	R9:	61.4
R2:	98.1	R10:	94.4
R3:	97.8	R11:	95.7
R4:	95.6	R12:	88.5
R5:	96.9	R13:	97.3
R6:	95.7	R14:	97.8
R7:	90.9	R15:	92.3
R8:	83.0		



Test Conditions

Stabilization Time: 40M
 Operation Time: 1H 40M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-5

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: SP1-2506-472-5

CIE 1931 Chromaticity Diagram



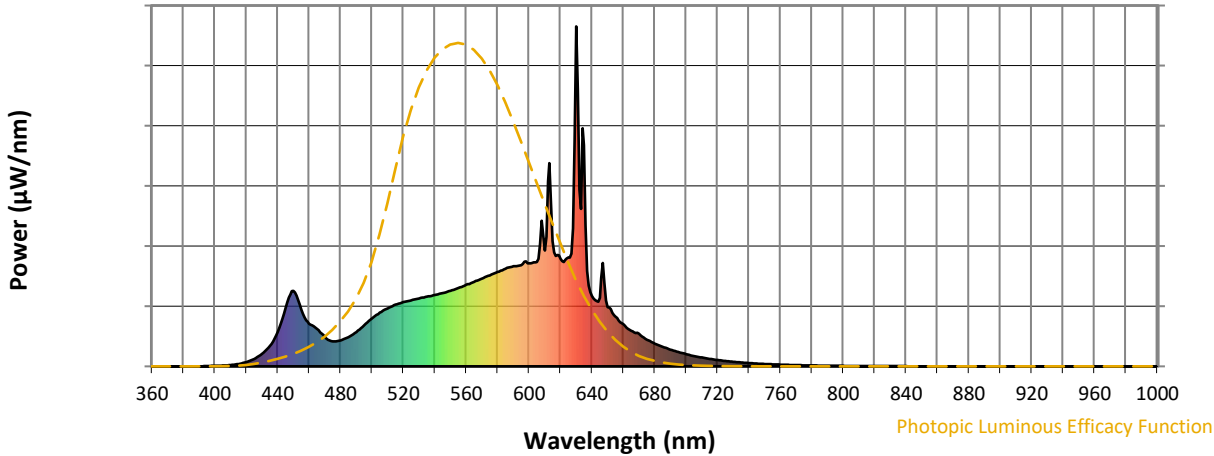
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 7-step quadrangle

REPORT NUMBER: SP1-2506-472-5

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	101	NR	620	317	NR	750	7	NR	880	0	NR
365	0	NR	495	121	NR	625	320	NR	755	6	NR	885	0	NR
370	0	NR	500	141	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	158	NR	635	651	NR	765	4	NR	895	0	NR
380	0	NR	510	171	NR	640	207	NR	770	4	NR	900	0	NR
385	0	NR	515	182	NR	645	201	NR	775	3	NR	905	0	NR
390	0	NR	520	189	NR	650	174	NR	780	3	NR	910	0	NR
395	1	NR	525	194	NR	655	146	NR	785	2	NR	915	0	NR
400	1	NR	530	199	NR	660	124	NR	790	2	NR	920	0	NR
405	3	NR	535	205	NR	665	105	NR	795	2	NR	925	0	NR
410	4	NR	540	210	NR	670	96	NR	800	1	NR	930	0	NR
415	7	NR	545	216	NR	675	79	NR	805	1	NR	935	0	NR
420	13	NR	550	222	NR	680	67	NR	810	1	NR	940	0	NR
425	22	NR	555	230	NR	685	58	NR	815	1	NR	945	0	NR
430	37	NR	560	240	NR	690	49	NR	820	1	NR	950	0	NR
435	60	NR	565	248	NR	695	42	NR	825	1	NR	955	0	NR
440	101	NR	570	258	NR	700	36	NR	830	1	NR	960	0	NR
445	172	NR	575	268	NR	705	30	NR	835	1	NR	965	0	NR
450	223	NR	580	278	NR	710	26	NR	840	1	NR	970	0	NR
455	167	NR	585	287	NR	715	22	NR	845	0	NR	975	0	NR
460	126	NR	590	295	NR	720	19	NR	850	0	NR	980	0	NR
465	111	NR	595	298	NR	725	16	NR	855	0	NR	985	0	NR
470	86	NR	600	303	NR	730	14	NR	860	0	NR	990	0	NR
475	74	NR	605	307	NR	735	12	NR	865	0	NR	995	0	NR
480	77	NR	610	341	NR	740	10	NR	870	0	NR	1000	0	NR
485	86	NR	615	368	NR	745	8	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-5

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.44

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	101	NR	620	317	NR	750	7	NR	880	0	NR
365	0	NR	495	121	NR	625	320	NR	755	6	NR	885	0	NR
370	0	NR	500	141	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	158	NR	635	651	NR	765	4	NR	895	0	NR
380	0	NR	510	171	NR	640	207	NR	770	4	NR	900	0	NR
385	0	NR	515	182	NR	645	201	NR	775	3	NR	905	0	NR
390	0	NR	520	189	NR	650	174	NR	780	3	NR	910	0	NR
395	1	NR	525	194	NR	655	146	NR	785	2	NR	915	0	NR
400	1	NR	530	199	NR	660	124	NR	790	2	NR	920	0	NR
405	3	NR	535	205	NR	665	105	NR	795	2	NR	925	0	NR
410	4	NR	540	210	NR	670	96	NR	800	1	NR	930	0	NR
415	7	NR	545	216	NR	675	79	NR	805	1	NR	935	0	NR
420	13	NR	550	222	NR	680	67	NR	810	1	NR	940	0	NR
425	22	NR	555	230	NR	685	58	NR	815	1	NR	945	0	NR
430	37	NR	560	240	NR	690	49	NR	820	1	NR	950	0	NR
435	60	NR	565	248	NR	695	42	NR	825	1	NR	955	0	NR
440	101	NR	570	258	NR	700	36	NR	830	1	NR	960	0	NR
445	172	NR	575	268	NR	705	30	NR	835	1	NR	965	0	NR
450	223	NR	580	278	NR	710	26	NR	840	1	NR	970	0	NR
455	167	NR	585	287	NR	715	22	NR	845	0	NR	975	0	NR
460	126	NR	590	295	NR	720	19	NR	850	0	NR	980	0	NR
465	111	NR	595	298	NR	725	16	NR	855	0	NR	985	0	NR
470	86	NR	600	303	NR	730	14	NR	860	0	NR	990	0	NR
475	74	NR	605	307	NR	735	12	NR	865	0	NR	995	0	NR
480	77	NR	610	341	NR	740	10	NR	870	0	NR	1000	0	NR
485	86	NR	615	368	NR	745	8	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.85

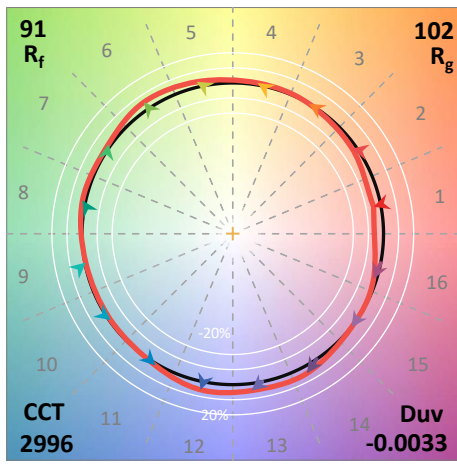
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	101	NR	620	317	NR	750	7	NR	880	0	NR
365	0	NR	495	121	NR	625	320	NR	755	6	NR	885	0	NR
370	0	NR	500	141	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	158	NR	635	651	NR	765	4	NR	895	0	NR
380	0	NR	510	171	NR	640	207	NR	770	4	NR	900	0	NR
385	0	NR	515	182	NR	645	201	NR	775	3	NR	905	0	NR
390	0	NR	520	189	NR	650	174	NR	780	3	NR	910	0	NR
395	1	NR	525	194	NR	655	146	NR	785	2	NR	915	0	NR
400	1	NR	530	199	NR	660	124	NR	790	2	NR	920	0	NR
405	3	NR	535	205	NR	665	105	NR	795	2	NR	925	0	NR
410	4	NR	540	210	NR	670	96	NR	800	1	NR	930	0	NR
415	7	NR	545	216	NR	675	79	NR	805	1	NR	935	0	NR
420	13	NR	550	222	NR	680	67	NR	810	1	NR	940	0	NR
425	22	NR	555	230	NR	685	58	NR	815	1	NR	945	0	NR
430	37	NR	560	240	NR	690	49	NR	820	1	NR	950	0	NR
435	60	NR	565	248	NR	695	42	NR	825	1	NR	955	0	NR
440	101	NR	570	258	NR	700	36	NR	830	1	NR	960	0	NR
445	172	NR	575	268	NR	705	30	NR	835	1	NR	965	0	NR
450	223	NR	580	278	NR	710	26	NR	840	1	NR	970	0	NR
455	167	NR	585	287	NR	715	22	NR	845	0	NR	975	0	NR
460	126	NR	590	295	NR	720	19	NR	850	0	NR	980	0	NR
465	111	NR	595	298	NR	725	16	NR	855	0	NR	985	0	NR
470	86	NR	600	303	NR	730	14	NR	860	0	NR	990	0	NR
475	74	NR	605	307	NR	735	12	NR	865	0	NR	995	0	NR
480	77	NR	610	341	NR	740	10	NR	870	0	NR	1000	0	NR
485	86	NR	615	368	NR	745	8	NR	875	0	NR			

Summary

$R_f = 91.3$
 $R_g = 102$
 $CIE R_a = 94.4$
 $R_9 = 61.4$



Color Vector Graphics

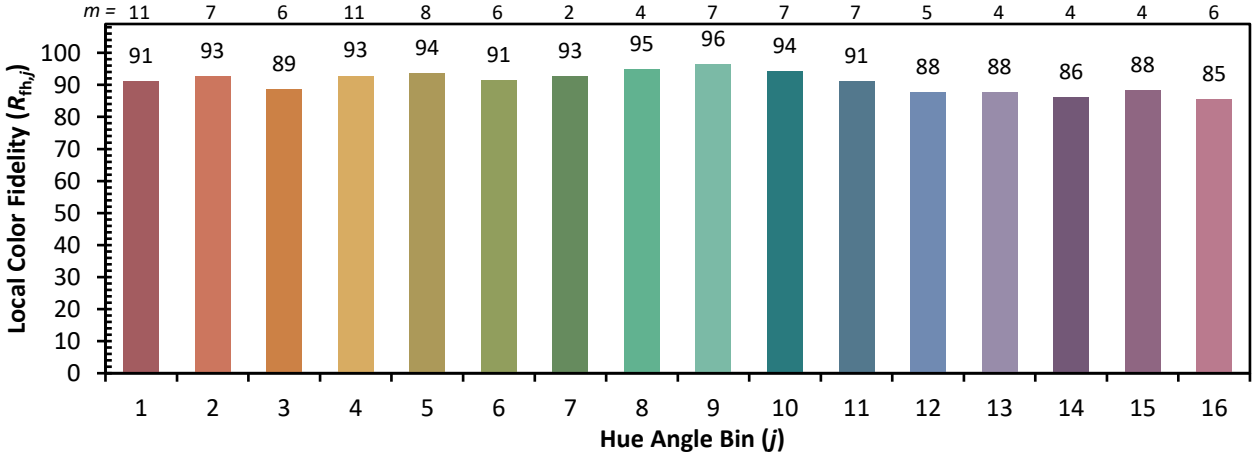


Individual Sample Fidelity Index ($R_{f,i}$)

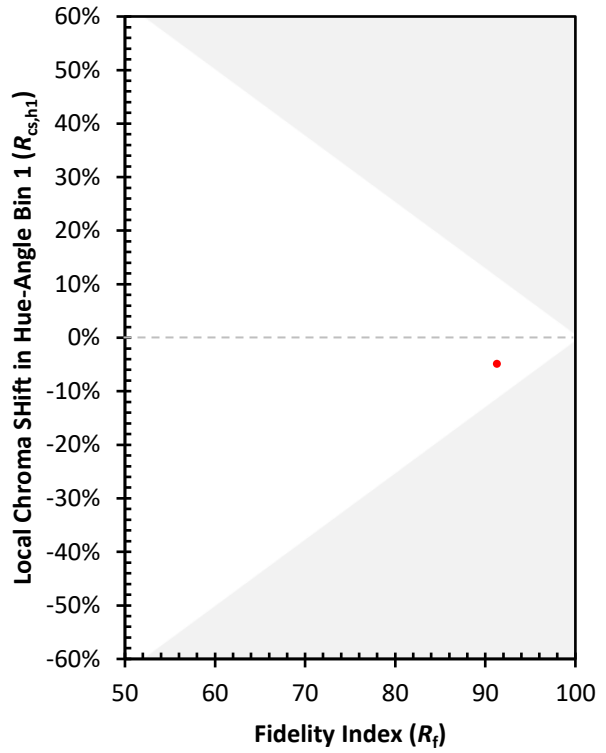
CES01 = 86	CES26 = 91	CES51 = 96	CES76 = 89
CES02 = 63	CES27 = 96	CES52 = 95	CES77 = 85
CES03 = 32	CES28 = 96	CES53 = 93	CES78 = 86
CES04 = 70	CES29 = 90	CES54 = 98	CES79 = 89
CES05 = 51	CES30 = 96	CES55 = 98	CES80 = 91
CES06 = 51	CES31 = 90	CES56 = 95	CES81 = 72
CES07 = 44	CES32 = 84	CES57 = 95	CES82 = 95
CES08 = 42	CES33 = 91	CES58 = 95	CES83 = 93
CES09 = 29	CES34 = 92	CES59 = 99	CES84 = 96
CES10 = 76	CES35 = 96	CES60 = 96	CES85 = 80
CES11 = 59	CES36 = 90	CES61 = 96	CES86 = 77
CES12 = 65	CES37 = 94	CES62 = 95	CES87 = 91
CES13 = 44	CES38 = 99	CES63 = 94	CES88 = 96
CES14 = 74	CES39 = 97	CES64 = 96	CES89 = 82
CES15 = 72	CES40 = 94	CES65 = 92	CES90 = 97
CES16 = 48	CES41 = 94	CES66 = 95	CES91 = 82
CES17 = 50	CES42 = 91	CES67 = 94	CES92 = 78
CES18 = 57	CES43 = 88	CES68 = 93	CES93 = 87
CES19 = 72	CES44 = 99	CES69 = 94	CES94 = 73
CES20 = 67	CES45 = 93	CES70 = 90	CES95 = 85
CES21 = 86	CES46 = 93	CES71 = 90	CES96 = 92
CES22 = 79	CES47 = 86	CES72 = 96	CES97 = 93
CES23 = 92	CES48 = 95	CES73 = 85	CES98 = 94
CES24 = 91	CES49 = 91	CES74 = 90	CES99 = 93
CES25 = 72	CES50 = 96	CES75 = 90	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)