

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: P1444599

Luminaire Tested: EHBR1-30-UNV-TA-L850-UPL36

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444599
REPORT IS A COMBINATION OF REPORTS P1444348 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-30-UNV-TA-L850-UPL36
Description: Elevate Round Highbay at, 30000 lumens, 5000K 80CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

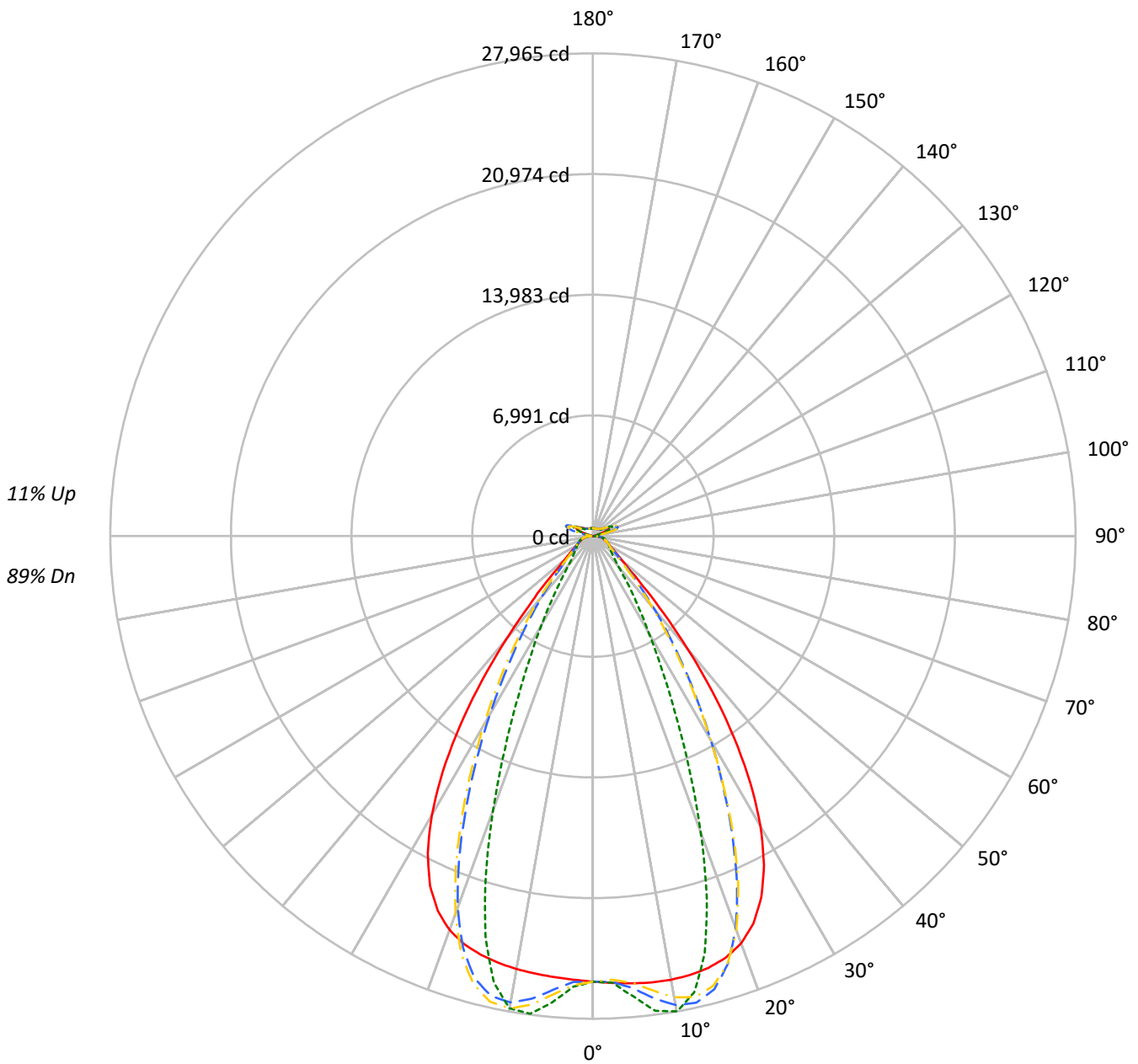
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33502.6 lumens
Efficiency: N/A
Efficacy: 178.0 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: Semi-Direct

Input Watts (W): 188.2
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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89			89
1	109	106	103	100	105	102	100	97	96	94	92	90	89	87	85	84	83	80			80
2	102	96	91	87	99	94	89	85	88	85	82	84	81	78	79	77	75	73			73
3	96	88	82	78	93	86	81	76	82	77	74	78	74	71	74	71	68	66			66
4	90	81	75	70	87	79	73	69	76	71	67	72	68	65	69	66	63	61			61
5	85	75	68	63	82	73	67	63	70	65	61	67	63	59	65	61	58	56			56
6	80	70	63	58	78	68	62	57	66	60	56	63	58	55	61	57	53	52			52
7	75	65	58	53	73	64	57	53	61	56	52	59	54	51	57	53	50	48			48
8	71	61	54	49	69	60	53	49	57	52	48	56	51	47	54	49	46	45			45
9	68	57	50	46	66	56	50	46	54	49	45	52	47	44	51	46	43	42			42
10	64	53	47	43	62	53	47	42	51	46	42	49	45	41	48	44	41	39			39

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	121223	121223	121223	121223
5°	121810	125362	120105	127004
10°	122827	131621	119882	130750
15°	123429	119313	119672	114509
20°	122154	88884	118156	82239
25°	115623	56214	111802	51004
30°	101005	33781	97093	30872
35°	77734	21197	73263	18777
40°	49174	13296	44990	12494
45°	25345	10359	24925	10189
50°	14860	9214	14404	9070
55°	11384	8717	10963	8638
60°	9633	8905	9223	8789
65°	9048	9300	8701	8983
70°	8839	9737	8398	9372
75°	9452	10327	8939	9872
80°	9780	11434	8868	10438
85°	9212	11036	7443	9447

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 38788 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2544.0	7.6
10°-20°	7156.5	21.4
20°-30°	8150.7	24.3
30°-40°	5858.4	17.5
40°-50°	2701.9	8.1
50°-60°	1293.0	3.9
60°-70°	943.4	2.8
70°-80°	716.7	2.1
80°-90°	332.4	1.0
90°-100°	105.8	0.3
100°-110°	638.1	1.9
110°-120°	1179.4	3.5
120°-130°	713.7	2.1
130°-140°	448.5	1.3
140°-150°	324.5	1.0
150°-160°	220.9	0.7
160°-170°	130.6	0.4
170°-180°	44.2	0.1
0°-30°	17851.2	53.3
0°-40°	23709.5	70.8
0°-60°	27704.4	82.7
0°-90°	29696.9	88.6
90°-120°	1923.2	5.7
90°-150°	3410.0	10.2
90°-180°	3806.0	11.4
0°-180°	33502.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	25814	25814	25814	25814	25814	
5°	26008	26767	25644	27117	26008	2485
15°	25895	25031	25106	24023	25895	7296
25°	23090	11226	22327	10186	23090	10467
35°	14267	3890	13446	3446	14267	8756
45°	4101	1676	4033	1648	4101	3488
55°	1538	1178	1482	1167	1538	1420
65°	944	971	908	938	944	943
75°	666	728	630	695	666	692
85°	317	379	256	325	317	297
90°	98	121	37	42	98	59
95°	49	54	49	55	49	47
105°	227	295	151	295	227	302
115°	1026	1250	1074	1250	1026	946
125°	760	808	862	809	760	692
135°	583	527	629	530	583	455
145°	505	499	539	503	505	319
155°	463	469	495	472	463	215
165°	453	455	471	457	453	129
175°	459	464	468	465	459	44
180°	465	465	465	465	465	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6
2.5°	25912.2	25910.1	25909.8	25907.9	25907.5	25907.5	25906.6	25904.5	25903.2	25900.2	25896.8
5°	26008.4	26007.2	26007.9	26008.1	26006.3	26002.3	25995.9	25988.2	25978.4	25969.3	25961.0
7.5°	26082.7	26084.5	26086.9	26086.4	26080.7	26071.2	26058.3	26051.0	26055.3	26069.4	26101.6
10°	26096.3	26107.4	26111.7	26110.3	26099.0	26091.0	26094.1	26121.4	26175.9	26248.5	26347.9
12.5°	26043.4	26057.0	26056.5	26052.0	26041.1	26052.2	26091.8	26173.2	26289.9	26433.1	26601.2
15°	25894.8	25912.4	25907.5	25901.6	25894.3	25930.8	26009.9	26151.3	26331.5	26533.5	26740.3
17.5°	25606.4	25627.6	25617.3	25610.7	25604.6	25672.8	25808.8	26015.8	26242.8	26471.3	26667.3
20°	25106.1	25120.3	25095.7	25084.2	25093.9	25227.8	25427.9	25692.4	25931.7	26147.7	26281.6
22.5°	24289.5	24307.2	24261.0	24255.6	24312.7	24518.3	24771.6	25067.2	25292.0	25463.3	25514.9
25°	23089.8	23107.2	23052.3	23085.1	23182.2	23462.2	23763.9	24080.1	24271.9	24398.7	24363.7
27.5°	21470.5	21486.5	21434.4	21501.4	21654.7	22022.7	22377.8	22720.8	22891.7	22980.6	22867.9
30°	19428.3	19461.3	19399.8	19493.3	19727.4	20205.1	20611.9	20996.5	21167.0	21234.6	21059.4
32.5°	17002.7	17049.7	16981.9	17121.0	17447.6	18021.4	18483.6	18913.4	19101.9	19179.1	18981.2
35°	14267.0	14334.4	14256.6	14465.3	14868.2	15507.1	16019.0	16498.7	16722.0	16831.5	16632.0
37.5°	11368.7	11432.8	11390.7	11669.3	12111.6	12773.9	13296.3	13813.9	14066.1	14230.4	14073.1
40°	8523.1	8581.9	8613.7	8932.2	9348.2	9972.5	10474.2	10986.4	11268.5	11474.7	11377.6
42.5°	6015.7	6074.8	6183.1	6490.4	6837.4	7354.1	7784.0	8243.8	8513.2	8733.1	8695.8
45°	4100.7	4169.5	4305.1	4556.8	4807.8	5178.5	5494.1	5851.6	6071.8	6273.2	6275.7
47.5°	2873.6	2921.9	3043.1	3214.9	3378.5	3842.6	3861.6	4037.4	4185.4	4336.0	4355.5
50°	2214.6	2243.7	2308.0	2403.7	2496.5	2616.9	2727.2	2854.6	2945.7	3028.2	3047.9
52.5°	1820.3	1838.7	1871.4	1923.3	1977.1	2042.6	2101.7	2171.6	2221.1	2265.3	2274.6
55°	1538.4	1553.8	1602.5	1612.3	1673.8	1685.7	1711.9	1754.4	1783.2	1809.7	1816.3
57.5°	1325.8	1336.9	1347.2	1369.3	1388.3	1415.8	1438.0	1468.5	1486.7	1505.8	1507.4
60°	1158.0	1166.0	1173.3	1188.7	1201.6	1220.8	1236.0	1256.8	1269.8	1284.1	1285.8
62.5°	1033.2	1038.9	1043.8	1053.9	1063.0	1077.8	1089.9	1107.2	1119.4	1130.5	1133.0
65°	944.4	948.6	951.7	959.4	967.4	979.9	990.9	1005.1	1014.0	1022.5	1024.3
67.5°	865.7	869.7	873.0	879.9	885.5	894.9	902.2	912.8	919.6	926.4	926.6
70°	775.6	779.3	781.8	788.3	792.8	800.9	806.7	816.4	823.2	830.8	832.7
72.5°	713.2	715.4	718.7	724.7	730.9	739.6	747.4	757.4	765.7	773.5	776.9
75°	665.8	668.3	670.5	675.6	679.9	687.2	693.1	702.2	709.5	717.8	722.0
77.5°	597.2	600.3	602.1	607.2	611.0	618.0	622.3	630.4	636.4	644.1	647.8
80°	514.5	517.3	518.6	523.4	526.4	532.8	537.1	545.0	549.9	557.5	562.1
82.5°	422.8	425.4	426.2	430.7	432.3	437.6	440.7	448.8	454.9	464.8	471.8
85°	316.6	317.6	319.0	317.9	324.3	324.7	332.0	333.3	342.9	345.4	356.3
87.5°	193.5	196.5	197.8	202.3	204.1	208.5	209.9	214.6	217.2	222.5	225.0
90°	97.7	103.2	105.8	112.2	114.6	120.3	122.5	128.8	131.3	137.8	141.9
92.5°	42.5	45.5	48.2	51.5	54.3	57.9	61.0	64.0	67.0	70.4	76.3
95°	48.6	52.0	55.3	58.6	62.0	65.4	68.8	72.1	75.4	78.8	88.5
97.5°	61.3	64.2	67.1	70.0	72.9	75.8	78.7	81.6	84.5	87.3	98.9
100°	80.0	82.4	84.9	87.3	89.8	92.2	94.7	97.1	99.6	102.1	123.6
102.5°	133.3	142.0	150.7	159.4	168.1	176.7	185.5	194.1	202.7	211.5	257.3
105°	226.9	250.5	274.3	297.8	321.5	345.2	368.8	392.3	416.0	439.6	514.1
107.5°	389.2	432.8	476.6	520.3	564.1	607.7	651.5	695.2	739.0	782.5	858.1
110°	720.8	755.9	791.1	826.3	861.5	896.8	932.0	967.0	1002.2	1037.3	1092.6



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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°	972.5	988.4	1004.3	1020.3	1036.2	1052.0	1067.9	1083.8	1099.8	1115.7	1155.3
115°	1025.5	1031.1	1036.8	1042.4	1048.1	1053.7	1059.3	1064.8	1070.4	1075.8	1102.6
117.5°	994.8	993.9	993.0	992.2	991.1	990.1	989.2	988.2	987.1	986.0	1001.1
120°	926.3	921.6	916.9	911.9	907.1	902.2	897.4	892.5	887.5	882.5	889.1
122.5°	839.9	834.2	828.7	822.9	817.1	811.2	805.4	799.3	793.5	787.6	790.2
125°	760.1	754.2	748.7	742.7	736.9	730.9	725.0	718.9	713.0	706.8	708.4
127.5°	690.5	686.6	682.6	678.4	674.1	670.0	665.7	661.4	657.1	652.6	653.1
130°	645.1	641.6	638.0	634.3	630.5	626.6	622.7	618.8	615.0	610.9	611.7
132.5°	607.9	605.6	603.0	600.5	597.7	594.8	592.0	589.0	586.2	583.4	584.3
135°	582.8	580.4	578.3	575.7	573.3	570.6	568.0	565.1	562.5	559.7	560.9
137.5°	561.3	559.3	557.2	554.9	552.6	550.1	547.8	545.2	542.7	540.1	541.2
140°	541.7	539.9	538.1	535.9	533.9	531.7	529.3	527.1	524.8	522.4	523.8
142.5°	519.8	518.3	517.0	515.4	513.8	511.9	510.1	508.2	506.5	504.5	506.4
145°	505.4	504.2	503.0	501.7	500.3	498.7	497.2	495.6	494.1	492.4	494.5
147.5°	492.6	491.6	490.8	489.8	488.8	487.3	486.1	484.7	483.6	482.2	484.2
150°	481.5	480.6	479.9	478.9	477.8	476.5	475.3	474.1	473.0	471.6	473.6
152.5°	470.0	469.0	468.4	467.3	466.3	464.9	464.1	462.8	461.7	460.4	462.2
155°	462.8	461.9	461.0	460.0	459.0	457.9	456.9	455.7	454.7	453.4	454.9
157.5°	458.0	457.3	456.7	455.7	455.2	454.3	453.5	452.5	451.7	451.0	452.0
160°	455.6	454.9	454.2	453.3	452.6	451.7	451.1	450.1	449.5	448.6	449.6
162.5°	453.3	452.5	451.7	451.0	450.4	449.4	448.7	448.0	447.2	446.3	447.4
165°	452.8	452.4	451.9	451.5	451.1	450.6	450.1	449.5	449.0	448.4	449.1
167.5°	456.4	455.7	455.1	454.4	453.8	453.1	452.4	451.7	451.2	450.4	451.1
170°	457.2	456.7	456.5	456.2	455.8	455.4	455.1	454.7	454.3	453.9	454.5
172.5°	459.3	458.9	458.7	458.5	458.1	457.9	457.6	457.3	457.2	456.8	457.5
175°	458.9	458.6	458.5	458.3	458.2	458.0	457.9	457.7	457.7	457.4	457.9
177.5°	462.0	461.9	461.9	461.8	461.8	461.7	461.6	461.4	461.3	461.3	461.7
180°	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7



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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°	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6
2.5°	25894.3	25891.2	25886.9	25881.5	25876.8	25871.3	25858.4	25854.6	25858.9	25861.7	25867.6
5°	25955.8	25957.7	25958.4	25970.1	25980.3	26005.6	26204.2	26283.1	26344.2	26382.9	26441.8
7.5°	26141.4	26201.1	26260.1	26339.5	26408.0	26500.5	26847.9	26995.9	27101.0	27176.6	27269.6
10°	26455.7	26586.1	26708.2	26851.3	26974.3	27115.3	27438.7	27582.8	27673.7	27739.9	27801.8
12.5°	26772.4	26953.1	27116.4	27275.7	27408.9	27531.0	27644.8	27695.2	27699.5	27701.6	27668.8
15°	26937.3	27110.1	27254.0	27359.3	27437.6	27472.2	27276.4	27173.7	27043.8	26936.8	26760.9
17.5°	26833.2	26936.8	26999.0	26992.9	26960.6	26852.3	26297.6	25992.5	25689.6	25416.7	25058.8
20°	26370.4	26362.6	26308.5	26155.3	25970.8	25683.7	24732.8	24184.2	23653.7	23187.8	22622.6
22.5°	25509.6	25374.1	25185.2	24855.0	24488.1	23986.7	22623.9	21816.9	21078.4	20426.1	19695.3
25°	24262.2	23983.5	23635.1	23110.9	22540.7	21809.4	20129.7	19125.9	18239.2	17470.3	16627.0
27.5°	22665.8	22246.0	21735.5	21009.9	20237.4	19300.5	17438.3	16330.5	15378.7	14554.2	13656.7
30°	20775.7	20229.7	19570.6	18670.0	17738.3	16675.7	14786.9	13664.9	12701.5	11853.4	10955.2
32.5°	18639.8	18000.4	17228.0	16217.1	15209.5	14117.0	12293.0	11206.9	10286.5	9470.5	8657.7
35°	16284.1	15598.3	14781.1	13750.1	12748.6	11686.4	10012.8	9033.4	8220.7	7499.4	6843.0
37.5°	13757.1	13083.8	12307.1	11335.4	10406.7	9444.1	8000.0	7179.4	6497.3	5898.7	5391.8
40°	11129.8	10540.5	9868.5	9028.4	8235.8	7434.2	6248.8	5597.3	5059.1	4602.6	4222.8
42.5°	8534.5	8078.0	7562.6	6898.7	6292.2	5681.8	4769.5	4286.8	3888.2	3559.5	3291.0
45°	6192.1	5886.7	5541.0	5079.5	4659.8	4234.1	3584.7	3245.5	2985.9	2774.0	2594.8
47.5°	4328.6	4151.4	4140.6	3714.1	3406.3	3146.0	2727.7	2513.5	2354.4	2226.0	2112.6
50°	3039.9	2954.1	2847.6	2695.5	2552.6	2405.5	2150.6	2021.1	1927.9	1850.1	1778.4
52.5°	2272.5	2228.0	2171.3	2090.6	2013.2	1930.4	1769.1	1686.7	1657.4	1584.9	1528.1
55°	1815.2	1789.6	1757.3	1709.9	1662.8	1643.9	1505.7	1444.5	1405.7	1377.2	1346.6
57.5°	1507.7	1488.7	1469.6	1437.4	1410.2	1377.2	1303.8	1272.3	1249.4	1232.5	1211.3
60°	1286.1	1274.7	1264.0	1245.1	1230.4	1212.6	1166.0	1148.3	1136.3	1126.1	1112.6
62.5°	1135.1	1129.2	1123.7	1113.7	1106.2	1096.5	1064.7	1056.1	1050.2	1045.0	1036.9
65°	1026.2	1022.0	1018.8	1012.1	1008.4	1002.8	975.4	969.7	966.0	964.1	959.4
67.5°	927.1	922.8	920.7	916.0	914.4	910.9	888.5	885.3	884.1	884.6	883.0
70°	834.5	832.7	833.7	832.9	835.0	835.6	822.1	822.0	823.4	826.3	826.6
72.5°	779.0	779.0	780.1	780.5	782.6	783.6	772.3	771.7	772.4	774.4	774.5
75°	726.2	727.1	729.9	730.9	733.3	733.8	718.8	717.2	717.3	719.2	718.5
77.5°	653.1	656.3	661.8	664.6	669.2	670.0	653.3	651.3	651.4	653.4	651.6
80°	570.2	576.2	584.9	590.9	598.0	600.9	583.7	579.5	575.7	575.1	571.7
82.5°	482.1	489.5	499.9	505.3	512.8	514.6	485.8	480.3	477.1	477.4	474.2
85°	368.1	373.6	383.1	386.1	390.8	390.5	357.5	343.4	347.1	341.3	346.0
87.5°	230.8	234.1	240.1	240.8	243.0	242.5	209.4	202.9	201.0	201.1	198.7
90°	149.7	154.2	161.8	164.2	170.1	172.0	147.6	146.9	142.4	141.7	136.2
92.5°	82.5	88.3	94.4	100.3	106.4	112.4	115.3	120.3	114.3	108.0	102.1
95°	98.3	108.1	118.0	127.8	137.6	147.4	157.3	167.1	158.0	148.7	139.5
97.5°	110.5	122.1	133.6	145.3	156.9	168.5	180.1	191.6	181.8	171.8	162.0
100°	145.3	166.9	188.6	210.2	231.8	253.4	275.1	296.7	277.8	258.6	239.6
102.5°	303.1	349.2	395.1	440.9	486.8	532.9	579.0	624.9	581.3	537.6	493.9
105°	588.6	663.0	737.5	811.8	886.2	960.7	1035.4	1109.9	1040.1	970.4	900.7
107.5°	933.7	1009.2	1084.6	1160.1	1235.7	1311.1	1387.2	1462.7	1394.6	1326.5	1258.5
110°	1147.7	1202.8	1258.0	1313.0	1368.1	1423.4	1479.0	1534.2	1493.5	1452.6	1411.7



TEST NUMBER: P1444599
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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°	1194.5	1234.1	1273.5	1312.9	1352.2	1391.7	1432.0	1471.6	1451.1	1430.6	1410.3
115°	1129.1	1155.9	1182.5	1209.1	1235.8	1262.3	1289.9	1316.8	1310.5	1303.9	1297.5
117.5°	1016.1	1031.0	1046.0	1061.0	1075.8	1090.6	1107.0	1122.2	1123.3	1124.6	1126.0
120°	895.5	901.9	908.3	914.7	921.0	927.3	935.3	942.0	947.7	953.2	959.0
122.5°	792.8	795.3	797.7	800.3	802.7	805.2	809.5	812.4	816.5	820.4	824.4
125°	709.7	711.1	712.3	713.7	714.9	716.3	719.7	721.4	721.9	722.3	722.7
127.5°	653.6	654.0	654.4	654.8	655.1	655.5	658.1	658.9	656.8	654.8	652.5
130°	612.5	613.3	614.0	614.7	615.5	616.4	619.5	620.9	617.0	612.9	609.1
132.5°	585.1	586.2	587.0	588.2	589.1	590.0	593.6	595.2	590.6	585.9	581.4
135°	562.0	563.1	564.4	565.5	566.7	568.0	572.1	573.8	569.6	565.0	560.7
137.5°	542.3	543.5	544.7	546.0	547.2	548.4	552.8	554.7	551.5	547.7	544.4
140°	525.2	526.6	528.1	529.5	531.0	532.7	537.3	539.6	537.0	534.2	531.5
142.5°	508.1	510.2	512.1	514.1	516.0	518.2	523.8	526.5	524.5	522.5	520.5
145°	496.4	498.9	501.0	503.3	505.5	507.9	514.0	517.3	516.1	514.8	513.6
147.5°	485.8	488.1	490.1	492.1	494.2	496.6	502.9	506.0	505.4	504.6	503.8
150°	475.4	477.7	479.6	481.8	484.1	486.4	493.4	496.7	496.1	495.6	494.8
152.5°	464.0	465.9	467.8	469.7	471.7	473.9	481.9	485.2	484.9	484.1	483.6
155°	456.4	457.7	459.2	460.8	462.4	464.1	472.6	475.6	475.3	475.0	474.7
157.5°	453.0	454.0	455.0	456.1	457.3	458.4	466.9	470.0	469.6	469.3	469.0
160°	450.3	451.2	451.8	452.8	453.6	454.6	463.1	466.0	465.8	465.4	465.1
162.5°	448.5	449.8	450.8	451.7	452.8	454.1	462.8	466.1	465.5	465.0	464.4
165°	449.9	450.5	451.1	451.9	452.5	453.3	461.4	463.9	463.7	463.3	463.0
167.5°	451.7	452.5	453.3	454.1	454.9	455.8	463.3	465.8	465.6	465.2	465.0
170°	455.0	455.7	456.3	457.1	457.7	458.5	464.7	466.8	466.5	465.9	465.4
172.5°	458.2	459.0	459.7	460.5	461.2	462.0	467.4	469.2	468.9	468.5	468.0
175°	458.5	458.9	459.5	460.2	460.8	461.3	465.5	467.0	466.9	466.7	466.5
177.5°	462.1	462.5	462.8	463.3	463.7	464.2	466.8	467.8	467.7	467.7	467.6
180°	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7



TEST NUMBER: P1444599
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CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6
2.5°	25869.0	25878.1	25879.4	25890.0	25889.2	25901.8	25899.8	25910.1	25904.1	25912.6	25905.4
5°	26476.6	26531.7	26560.5	26614.2	26631.2	26679.4	26693.0	26736.9	26738.7	26773.6	26765.6
7.5°	27335.6	27416.8	27465.0	27531.5	27565.2	27620.6	27645.0	27685.9	27699.2	27731.7	27734.1
10°	27848.6	27888.0	27915.6	27934.1	27951.0	27959.0	27968.2	27965.8	27968.2	27964.6	27972.5
12.5°	27646.8	27589.3	27551.1	27479.0	27437.2	27357.5	27318.3	27241.7	27213.9	27148.1	27138.6
15°	26625.0	26424.3	26282.4	26076.3	25946.6	25743.7	25625.0	25441.9	25358.3	25212.8	25174.6
17.5°	24762.5	24390.0	24101.6	23731.7	23475.1	23129.4	22912.0	22625.9	22469.2	22238.5	22158.6
20°	22151.5	21600.2	21167.7	20652.5	20283.8	19824.3	19530.3	19159.4	18944.0	18660.6	18545.8
22.5°	19086.0	18399.5	17859.5	17250.8	16806.0	16294.0	15941.7	15540.3	15306.1	14998.2	14861.9
25°	15926.3	15169.4	14569.0	13927.7	13457.7	12944.5	12592.0	12197.8	11955.4	11663.1	11527.6
27.5°	12904.4	12138.3	11558.0	10961.7	10530.6	10067.6	9749.6	9405.3	9190.2	8940.7	8813.3
30°	10237.7	9562.0	9068.1	8573.3	8214.7	7838.6	7574.3	7289.1	7100.3	6886.7	6765.2
32.5°	8065.0	7543.3	7156.7	6764.1	6470.6	6156.2	5927.9	5676.2	5505.8	5315.0	5205.1
35°	6387.4	5982.1	5673.6	5350.5	5098.2	4830.6	4629.4	4412.1	4259.3	4095.0	4000.0
37.5°	5046.7	4724.4	4470.5	4202.1	3995.0	3773.2	3698.6	3449.3	3290.8	3159.7	3068.9
40°	3960.6	3704.4	3494.4	3289.1	3120.1	2951.9	2817.0	2683.8	2581.5	2487.7	2422.9
42.5°	3093.0	2907.2	2753.9	2603.5	2480.3	2357.8	2259.9	2168.2	2099.3	2038.0	1996.2
45°	2458.7	2331.0	2224.5	2118.6	2031.6	1949.8	1884.0	1825.5	1781.0	1744.1	1718.0
47.5°	2020.0	1932.5	1857.3	1785.9	1726.8	1673.2	1629.1	1614.8	1566.9	1534.7	1522.4
50°	1716.6	1663.9	1606.7	1554.1	1514.6	1475.4	1446.8	1418.8	1400.8	1386.0	1381.6
52.5°	1490.3	1449.9	1418.2	1384.8	1358.8	1330.9	1311.1	1292.5	1282.7	1274.9	1273.9
55°	1322.0	1293.9	1272.7	1250.3	1234.8	1218.4	1208.2	1198.4	1194.1	1190.1	1190.4
57.5°	1194.7	1175.9	1162.1	1147.6	1139.2	1131.4	1128.8	1126.3	1127.7	1128.2	1130.4
60°	1101.9	1089.6	1081.1	1072.7	1069.2	1066.7	1068.6	1070.8	1075.3	1078.9	1082.2
62.5°	1030.8	1023.8	1019.6	1015.2	1014.8	1015.0	1018.8	1022.5	1028.2	1032.4	1035.5
65°	957.6	953.6	952.3	949.4	950.8	951.7	956.3	959.2	964.8	968.1	972.2
67.5°	883.7	882.8	883.6	883.6	886.2	888.4	892.8	896.0	900.8	903.9	907.1
70°	829.0	829.4	831.5	831.8	834.6	836.1	839.9	842.1	846.3	849.0	852.9
72.5°	776.0	775.1	775.6	774.3	775.3	774.9	777.0	778.1	781.7	783.8	788.5
75°	719.4	717.1	716.5	713.9	714.0	712.2	713.0	712.9	715.3	716.3	719.7
77.5°	651.2	647.1	645.2	640.8	640.7	639.2	640.8	641.9	646.1	648.1	652.0
80°	569.4	563.1	560.2	555.3	556.2	555.9	560.0	563.2	568.3	569.3	574.3
82.5°	473.3	466.9	463.8	458.9	460.1	460.2	464.0	464.6	469.1	471.1	476.8
85°	338.9	341.3	334.6	335.1	333.6	336.2	338.9	342.1	345.9	352.0	356.9
87.5°	199.6	198.7	201.1	201.4	204.8	206.7	212.2	215.3	221.6	226.4	235.3
90°	134.4	129.1	128.9	125.6	126.9	123.8	125.1	122.0	124.1	122.8	125.9
92.5°	95.5	89.5	83.0	76.9	70.5	64.6	61.3	58.7	55.5	53.0	49.7
95°	130.3	121.2	112.1	102.8	93.7	84.6	81.2	77.9	74.6	71.2	67.8
97.5°	152.2	142.3	132.5	122.6	112.8	102.9	100.7	98.5	96.3	94.0	91.8
100°	220.5	201.6	182.6	163.5	144.5	125.5	123.8	122.0	120.2	118.5	116.6
102.5°	450.4	406.8	363.2	319.5	276.0	232.5	224.9	217.4	209.7	202.2	194.6
105°	830.8	761.1	691.3	621.6	551.9	482.2	461.5	440.5	419.7	398.9	378.2
107.5°	1190.4	1122.4	1054.5	986.5	918.5	850.6	817.6	784.8	751.8	719.0	686.1
110°	1370.7	1329.9	1289.1	1248.2	1207.5	1166.8	1135.3	1104.1	1072.5	1041.2	1010.0



TEST NUMBER: P1444599
 CATALOG NUMBER: EHBR1-30-UNV-TA-L850-UPL36

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	1389.8	1369.4	1349.1	1328.7	1308.5	1288.1	1272.7	1257.5	1242.2	1227.0	1211.5
115°	1290.9	1284.5	1278.0	1271.8	1265.4	1259.0	1257.9	1257.0	1255.8	1254.9	1253.9
117.5°	1127.2	1128.5	1129.7	1131.2	1132.6	1133.9	1142.1	1150.2	1158.5	1166.8	1175.3
120°	964.6	970.2	975.8	981.6	987.2	993.1	1004.0	1015.1	1026.1	1037.4	1048.5
122.5°	828.4	832.3	836.2	840.4	844.4	848.5	859.3	870.3	881.2	892.3	903.6
125°	722.8	723.2	723.5	723.7	724.1	724.6	733.6	742.6	751.7	761.1	770.1
127.5°	650.3	648.1	645.8	643.7	641.4	639.4	644.7	650.2	655.5	661.0	666.6
130°	605.0	601.0	596.8	593.0	588.8	584.8	587.1	589.3	591.5	593.8	596.1
132.5°	576.6	572.0	567.2	562.5	557.7	553.0	553.0	553.2	553.2	553.5	553.9
135°	556.3	551.8	547.2	542.8	538.2	533.9	532.8	531.7	530.7	529.8	529.0
137.5°	540.8	537.2	533.8	530.3	526.5	523.1	521.4	520.0	518.4	517.3	515.8
140°	528.6	525.9	522.9	520.1	517.3	514.6	513.1	512.1	510.8	509.8	508.6
142.5°	518.3	516.4	514.3	512.3	510.2	508.1	506.9	505.8	504.5	503.5	502.3
145°	512.3	511.0	509.6	508.3	507.1	505.8	504.7	503.8	502.9	502.2	501.5
147.5°	503.1	502.3	501.6	500.7	499.8	499.0	498.4	498.0	497.2	496.8	496.2
150°	494.0	493.3	492.5	491.9	491.0	490.4	490.0	489.7	489.4	489.3	489.0
152.5°	482.8	482.1	481.4	480.8	479.9	479.4	479.1	479.0	478.7	478.5	478.2
155°	474.2	473.9	473.4	473.0	472.4	472.1	471.6	471.1	470.8	470.4	469.9
157.5°	468.6	468.4	467.9	467.6	467.0	466.6	466.2	465.8	465.3	465.0	464.6
160°	464.7	464.4	463.9	463.6	463.2	462.8	462.2	461.7	460.9	460.4	459.7
162.5°	463.8	463.2	462.8	462.1	461.5	461.0	460.5	460.1	459.7	459.3	458.8
165°	462.7	462.3	461.9	461.5	461.3	460.9	460.2	459.7	458.9	458.4	457.7
167.5°	464.6	464.3	463.9	463.6	463.1	462.8	462.4	461.7	461.1	460.5	459.7
170°	465.0	464.4	464.0	463.3	462.8	462.4	461.9	461.2	460.6	460.2	459.4
172.5°	467.6	467.3	466.9	466.4	465.8	465.4	465.0	464.4	463.9	463.4	462.9
175°	466.4	466.3	466.2	465.9	465.8	465.6	465.4	465.3	465.1	465.0	464.7
177.5°	467.6	467.5	467.5	467.3	467.2	467.2	466.9	466.7	466.3	466.0	465.8
180°	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7



TEST NUMBER: P1444599
 CATALOG NUMBER: EHBR1-30-UNV-TA-L850-UPL36

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6
2.5°	25912.9	25906.3	25909.5	25897.3	25900.2	25885.6	25884.2	25867.6	25866.0	25850.4	25844.6
5°	26790.3	26775.8	26792.1	26766.8	26771.7	26738.7	26736.0	26693.3	26678.6	26625.1	26602.1
7.5°	27754.5	27749.1	27759.0	27737.8	27737.1	27707.6	27695.5	27657.2	27633.5	27577.5	27541.6
10°	27965.8	27970.8	27962.6	27964.6	27953.1	27949.9	27938.2	27930.7	27911.5	27897.0	27875.6
12.5°	27088.6	27093.8	27060.4	27081.6	27064.8	27104.0	27100.9	27146.9	27154.0	27212.4	27234.5
15°	25061.3	25055.0	24990.7	25031.2	25009.5	25095.4	25114.6	25230.2	25292.0	25440.4	25531.6
17.5°	21998.7	21982.2	21891.7	21941.1	21916.0	22042.6	22085.2	22269.9	22385.2	22624.3	22794.7
20°	18348.1	18316.4	18210.6	18268.2	18242.4	18386.3	18447.0	18670.4	18819.0	19135.7	19361.0
22.5°	14652.0	14602.0	14498.3	14552.2	14527.8	14676.8	14755.8	14979.9	15150.3	15475.3	15738.3
25°	11332.9	11288.3	11188.3	11225.9	11216.8	11343.0	11413.1	11625.2	11792.4	12102.2	12353.1
27.5°	8644.0	8597.5	8507.0	8533.7	8524.5	8632.0	8698.2	8875.3	9019.2	9279.9	9500.3
30°	6615.6	6559.7	6482.9	6497.7	6491.4	6578.4	6640.2	6789.4	6912.8	7133.1	7323.0
32.5°	5070.9	5014.6	4944.1	4951.0	4941.7	5010.0	5061.0	5190.7	5298.2	5485.5	5650.9
35°	3879.9	3945.6	3795.0	3890.4	3791.1	3937.0	3884.5	3965.6	4058.1	4215.9	4353.8
37.5°	2982.8	2936.9	2898.2	2894.1	2893.9	2927.7	2967.6	3045.6	3127.1	3244.7	3366.2
40°	2363.7	2331.5	2306.5	2304.6	2306.5	2330.5	2359.9	2413.9	2473.6	2558.0	2647.3
42.5°	1960.4	1939.1	1924.0	1922.9	1927.7	1944.7	1965.2	1997.3	2036.1	2090.9	2152.1
45°	1696.8	1684.9	1676.5	1676.1	1678.2	1687.1	1698.9	1718.9	1743.4	1777.6	1816.3
47.5°	1511.7	1508.9	1503.6	1503.8	1501.4	1505.0	1506.4	1517.6	1530.7	1556.4	1607.0
50°	1377.1	1377.1	1373.4	1373.2	1369.8	1369.6	1366.7	1371.2	1377.3	1393.3	1409.4
52.5°	1270.6	1270.2	1266.3	1265.5	1261.8	1261.6	1259.2	1261.0	1261.7	1269.8	1279.5
55°	1187.4	1184.8	1179.7	1178.0	1176.7	1178.7	1177.8	1177.9	1176.8	1180.2	1183.1
57.5°	1127.7	1124.4	1119.5	1118.0	1117.7	1120.2	1120.3	1119.4	1114.9	1111.8	1107.5
60°	1080.4	1077.2	1071.9	1070.5	1071.3	1074.7	1074.5	1071.7	1065.0	1059.2	1052.3
62.5°	1033.9	1032.7	1029.9	1029.6	1028.9	1029.5	1027.1	1024.0	1017.4	1011.3	1003.9
65°	971.7	972.4	970.4	970.7	968.2	967.8	964.2	961.3	954.6	949.0	941.4
67.5°	907.0	907.5	905.9	905.9	904.7	904.9	902.6	899.9	894.2	889.6	883.8
70°	853.7	855.1	854.1	854.4	852.9	852.3	848.9	846.2	840.3	836.5	831.3
72.5°	789.9	792.8	792.7	793.4	791.1	789.9	785.8	782.5	777.2	774.1	769.9
75°	721.1	724.8	725.8	727.5	724.2	722.5	717.9	715.3	711.0	709.2	706.5
77.5°	653.8	657.9	661.9	665.5	660.2	655.5	649.9	645.6	639.5	637.0	632.8
80°	578.3	585.6	594.3	601.5	592.1	582.5	573.3	566.4	558.2	554.9	549.5
82.5°	479.7	487.2	492.2	496.9	490.3	483.3	474.3	468.3	459.5	456.3	450.0
85°	364.5	373.8	376.7	379.3	375.0	371.3	362.9	351.5	346.0	337.2	332.7
87.5°	239.8	245.3	246.4	247.2	244.6	242.8	237.3	232.0	222.5	215.6	207.3
90°	123.7	125.3	121.3	120.6	119.2	121.4	117.8	117.9	111.9	110.9	105.8
92.5°	47.1	43.8	41.1	38.0	41.5	43.9	47.2	49.7	52.9	55.5	58.7
95°	64.4	61.1	57.8	54.4	57.1	59.8	62.5	65.1	67.9	70.5	73.2
97.5°	89.6	87.3	85.2	82.9	84.5	86.0	87.6	89.2	90.7	92.2	93.9
100°	114.8	113.1	111.3	109.5	109.5	109.5	109.5	109.5	109.5	109.5	109.5
102.5°	187.0	179.4	171.8	164.2	169.3	174.5	179.7	184.8	189.9	195.0	200.2
105°	357.4	336.6	315.8	295.1	315.2	335.3	355.4	375.4	395.6	415.8	435.9
107.5°	653.2	620.4	587.6	554.8	591.5	628.1	664.7	701.3	737.9	774.5	811.4
110°	978.7	947.4	916.2	884.9	923.7	962.6	1001.4	1040.3	1079.2	1118.1	1157.1



TEST NUMBER: P1444599
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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°	1196.4	1181.2	1166.1	1150.8	1175.9	1200.8	1225.9	1251.0	1276.1	1301.1	1326.2
115°	1252.9	1252.0	1251.1	1250.2	1262.0	1273.9	1285.7	1297.7	1309.6	1321.5	1333.4
117.5°	1183.5	1191.9	1200.4	1208.9	1212.7	1216.5	1220.4	1224.2	1228.1	1232.1	1236.1
120°	1059.8	1070.9	1082.3	1093.7	1092.1	1090.5	1089.1	1087.5	1086.3	1084.8	1083.6
122.5°	914.8	926.0	937.4	948.7	945.3	942.0	938.8	935.5	932.4	929.1	926.1
125°	779.6	789.0	798.4	807.9	804.6	801.2	798.0	795.0	791.8	788.7	785.8
127.5°	672.4	678.2	684.0	689.9	688.3	686.7	685.4	684.0	682.8	681.6	680.5
130°	598.6	601.3	604.0	606.8	607.1	607.6	608.2	608.9	609.7	610.5	611.5
132.5°	554.5	554.9	555.6	556.3	558.0	559.8	561.9	563.8	566.1	568.1	570.8
135°	528.4	527.7	527.2	526.8	529.4	532.0	534.9	537.8	540.9	544.1	547.4
137.5°	514.8	513.7	512.8	511.8	514.4	517.1	520.0	522.9	525.9	529.1	532.4
140°	507.7	506.8	506.2	505.3	507.9	510.6	513.4	516.3	519.4	522.6	525.8
142.5°	501.6	500.6	500.0	499.3	501.6	504.0	506.8	509.3	512.2	514.8	517.9
145°	500.8	500.1	499.6	499.1	500.8	502.5	504.5	506.5	508.5	510.5	512.9
147.5°	495.9	495.5	495.3	495.0	496.3	497.5	499.0	500.4	501.9	503.5	505.3
150°	489.0	488.8	488.7	488.7	489.5	490.3	491.2	492.0	493.2	494.2	495.5
152.5°	478.2	477.9	478.1	478.0	478.7	479.5	480.4	481.2	482.2	483.1	484.2
155°	469.7	469.4	469.1	468.8	469.1	469.3	469.8	470.0	470.6	470.9	471.5
157.5°	464.4	464.0	463.8	463.4	463.4	463.4	463.5	463.5	463.8	463.7	463.9
160°	459.3	458.6	458.1	457.6	457.9	457.9	458.3	458.3	458.7	458.9	459.3
162.5°	458.5	458.1	457.9	457.5	457.3	457.0	456.8	456.4	456.2	456.0	455.9
165°	457.2	456.5	456.0	455.4	455.4	455.3	455.3	455.2	455.2	455.1	455.3
167.5°	459.3	458.6	458.0	457.4	457.1	456.6	456.2	455.7	455.3	454.9	454.6
170°	459.0	458.4	457.9	457.4	457.3	457.0	456.9	456.7	456.6	456.5	456.5
172.5°	462.6	462.1	461.6	461.2	461.0	460.8	460.7	460.6	460.5	460.5	460.4
175°	464.6	464.4	464.3	464.2	463.9	463.7	463.3	463.1	462.9	462.7	462.4
177.5°	465.4	465.0	464.8	464.6	464.5	464.5	464.5	464.5	464.5	464.4	464.3
180°	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7



TEST NUMBER: P1444599
 CATALOG NUMBER: EHBR1-30-UNV-TA-L850-UPL36

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6
2.5°	25827.8	25821.1	25803.2	25794.3	25777.8	25769.5	25756.6	25748.3	25737.9	25730.1	25726.1
5°	26543.4	26510.4	26444.2	26403.4	26332.0	26285.0	26214.0	26161.9	26088.6	26034.6	25965.4
7.5°	27474.5	27423.8	27339.1	27274.7	27174.7	27098.3	26986.1	26896.4	26772.4	26669.5	26542.8
10°	27853.6	27824.0	27785.9	27744.6	27689.2	27634.8	27558.2	27480.1	27376.1	27272.6	27137.3
12.5°	27293.3	27321.2	27376.1	27401.7	27443.7	27457.9	27477.2	27468.1	27451.1	27408.9	27347.5
15°	25706.6	25822.9	26006.6	26133.6	26311.6	26436.7	26602.1	26708.5	26831.2	26904.5	26974.2
17.5°	23096.6	23321.5	23645.6	23904.1	24251.4	24533.6	24879.4	25151.1	25464.8	25705.5	25961.7
20°	19753.6	20068.4	20515.9	20895.9	21398.9	21825.4	22372.0	22829.7	23363.7	23808.9	24289.3
22.5°	16155.6	16526.0	17038.6	17496.9	18097.7	18634.2	19318.9	19924.1	20646.1	21292.8	22008.2
25°	12761.3	13124.2	13646.5	14121.1	14769.5	15360.6	16108.6	16803.0	17640.7	18421.9	19318.9
27.5°	9850.5	10172.9	10632.0	11059.2	11653.1	12233.3	12992.4	13732.9	14626.8	15466.4	16432.9
30°	7607.4	7868.9	8236.8	8580.4	9057.2	9531.7	10207.9	10892.7	11782.2	12652.2	13643.2
32.5°	5895.4	6118.5	6425.6	6704.5	7071.9	7429.7	7927.7	8474.9	9255.1	10088.5	11046.6
35°	4563.8	4754.5	5015.9	5256.2	5558.3	5842.4	6214.0	6604.5	7200.0	7901.0	8758.4
37.5°	3638.5	3716.3	3902.8	4099.6	4350.6	4584.0	4874.7	5163.5	5589.6	6142.6	6843.0
40°	2767.0	2890.6	3042.3	3197.4	3387.4	3574.6	3893.6	4047.1	4327.5	4724.6	5268.3
42.5°	2232.6	2319.5	2426.3	2534.2	2666.6	2796.9	2958.2	3122.6	3332.2	3601.1	3987.9
45°	1868.3	1925.0	1993.8	2065.6	2152.7	2241.6	2349.6	2462.4	2604.5	2769.8	3004.7
47.5°	1624.9	1656.2	1701.2	1750.2	1809.8	1871.4	1941.7	2013.6	2101.9	2199.9	2333.6
50°	1434.9	1461.0	1496.0	1528.8	1569.9	1633.0	1660.9	1700.6	1753.7	1811.4	1886.2
52.5°	1297.5	1314.9	1336.8	1355.6	1381.7	1405.2	1436.3	1463.6	1500.3	1535.0	1583.3
55°	1190.4	1196.7	1209.2	1221.3	1239.2	1255.5	1276.7	1294.5	1318.0	1338.7	1369.2
57.5°	1107.7	1108.3	1114.1	1120.4	1132.0	1142.1	1156.7	1168.5	1184.7	1198.0	1216.3
60°	1048.3	1045.1	1046.3	1048.5	1055.1	1061.6	1071.0	1078.6	1088.9	1096.3	1106.6
62.5°	998.9	993.9	992.8	992.2	995.4	997.8	1002.9	1006.6	1012.4	1015.7	1021.2
65°	936.4	930.6	928.3	925.6	926.6	925.8	927.7	927.8	930.7	931.4	934.5
67.5°	879.7	874.9	872.0	868.3	866.7	864.1	862.9	860.5	860.1	857.9	857.4
70°	828.1	823.3	820.8	817.5	815.8	812.3	810.2	806.0	803.5	799.6	797.4
72.5°	768.3	765.6	764.9	762.5	762.0	760.1	759.2	756.3	754.5	751.1	749.3
75°	705.9	703.6	703.4	701.2	701.0	698.7	698.1	695.0	693.3	690.0	688.5
77.5°	631.4	628.2	627.2	624.5	625.2	624.0	625.0	622.6	621.6	618.2	617.2
80°	547.6	543.4	541.6	538.1	539.1	537.5	539.1	538.9	540.2	537.5	537.0
82.5°	448.3	443.7	442.8	440.4	442.0	442.2	445.8	443.8	444.6	442.1	443.1
85°	326.2	322.8	318.0	317.4	314.2	317.5	313.3	316.1	311.6	314.7	310.5
87.5°	202.3	195.2	191.4	186.3	184.5	179.6	177.6	174.1	175.0	173.5	174.4
90°	106.2	101.8	103.4	101.5	104.0	102.6	106.2	106.1	110.0	109.9	114.1
92.5°	61.3	64.2	69.5	75.1	80.4	85.7	91.0	96.6	101.8	107.3	112.5
95°	75.9	78.6	85.8	92.8	100.0	107.2	114.3	121.5	128.7	135.8	142.9
97.5°	95.5	97.0	104.2	111.3	118.5	125.6	132.7	140.1	147.2	154.3	161.5
100°	109.5	109.6	130.0	150.3	170.5	191.0	211.3	231.6	252.1	272.4	292.7
102.5°	205.3	210.4	261.8	313.2	364.5	415.9	467.4	518.8	570.1	621.7	673.2
105°	456.0	476.2	554.6	633.1	711.4	789.9	868.3	946.9	1025.3	1103.8	1182.3
107.5°	847.9	884.6	955.5	1026.4	1097.1	1168.1	1239.0	1310.0	1380.8	1451.8	1522.8
110°	1196.0	1234.9	1282.4	1329.9	1377.4	1424.9	1472.3	1519.9	1567.5	1615.1	1662.7



TEST NUMBER: P1444599
 CATALOG NUMBER: EHBR1-30-UNV-TA-L850-UPL36

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	1351.2	1376.5	1404.1	1431.8	1459.5	1487.2	1514.8	1542.5	1570.4	1598.2	1626.0
115°	1345.5	1357.4	1368.0	1378.9	1389.5	1400.4	1411.2	1422.2	1433.1	1444.0	1455.0
117.5°	1239.9	1244.2	1245.7	1247.4	1249.1	1250.9	1252.7	1254.5	1256.4	1258.3	1260.1
120°	1082.3	1081.0	1079.1	1077.3	1075.5	1073.8	1072.2	1070.5	1069.0	1067.4	1065.7
122.5°	923.0	920.2	918.3	916.7	915.1	913.5	911.8	910.5	909.0	907.5	906.0
125°	782.9	780.0	781.5	783.1	784.6	786.3	787.9	789.7	791.3	793.1	794.9
127.5°	679.3	678.5	682.5	686.5	690.6	694.9	699.2	703.4	707.5	712.0	716.1
130°	612.5	613.6	618.8	624.1	629.4	634.8	640.3	645.7	651.1	656.5	661.9
132.5°	573.1	575.7	580.5	585.7	590.9	596.1	601.3	606.5	611.8	617.1	622.0
135°	550.8	554.1	558.7	563.4	568.1	573.0	577.6	582.5	587.1	591.8	596.4
137.5°	535.6	539.1	542.9	546.5	550.3	554.2	558.0	561.9	565.5	569.3	573.1
140°	529.2	532.5	534.6	536.8	539.0	541.1	543.1	545.4	547.4	549.7	551.7
142.5°	520.8	524.0	525.2	526.7	527.9	529.5	530.9	532.4	533.6	534.9	536.1
145°	515.1	517.5	517.5	517.8	517.9	518.2	518.2	518.3	518.3	518.4	518.4
147.5°	507.0	508.8	508.4	508.3	508.1	507.8	507.6	507.4	507.1	506.9	506.6
150°	496.5	497.8	497.1	496.6	496.0	495.5	494.7	494.2	493.5	493.0	492.3
152.5°	485.1	486.2	485.3	484.9	484.1	483.4	482.6	482.0	481.2	480.5	479.9
155°	471.8	472.4	471.9	471.6	471.1	470.8	470.3	470.2	469.8	469.5	469.2
157.5°	464.1	464.2	464.0	463.7	463.4	463.3	463.0	462.9	462.8	462.8	462.8
160°	459.4	459.8	459.5	459.2	459.0	458.8	458.5	458.5	458.4	458.5	458.5
162.5°	455.6	455.5	455.2	455.0	454.7	454.6	454.5	454.6	454.4	454.5	454.6
165°	455.4	455.6	454.9	454.7	454.2	453.9	453.5	453.3	453.1	453.0	452.8
167.5°	454.3	454.1	454.1	454.2	454.2	454.3	454.4	454.8	454.9	455.3	455.3
170°	456.4	456.5	456.2	456.1	455.8	455.7	455.6	455.5	455.3	455.3	455.2
172.5°	460.4	460.4	459.9	459.5	459.0	458.7	458.2	457.9	457.4	457.2	456.7
175°	462.1	461.9	461.7	461.4	461.2	460.9	460.6	460.2	460.0	459.7	459.5
177.5°	464.2	464.0	463.9	463.9	463.8	463.7	463.7	463.6	463.6	463.6	463.4
180°	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7



TEST NUMBER: P1444599
 CATALOG NUMBER: EHBR1-30-UNV-TA-L850-UPL36

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6
2.5°	25720.9	25720.6	25718.1	25719.3	25719.8	25721.6	25723.8	25726.1	25726.6	25728.3	25728.7
5°	25913.4	25849.7	25802.7	25750.9	25712.0	25677.0	25653.7	25635.1	25627.9	25629.7	25634.0
7.5°	26435.4	26304.0	26195.6	26072.4	25969.7	25860.8	25770.7	25684.9	25622.4	25575.9	25549.8
10°	27008.1	26848.1	26695.1	26516.8	26347.7	26167.1	26003.6	25838.9	25701.7	25582.5	25494.9
12.5°	27262.4	27149.2	27016.9	26848.6	26667.7	26459.3	26249.0	26023.5	25813.8	25619.1	25462.1
15°	26993.2	26993.4	26945.2	26864.4	26738.7	26572.2	26371.8	26136.8	25889.3	25636.9	25406.2
17.5°	26138.9	26300.1	26389.7	26446.5	26429.0	26367.7	26240.2	26059.7	25829.0	25560.1	25278.6
20°	24671.8	25052.0	25323.0	25566.7	25703.4	25794.1	25785.1	25711.6	25547.4	25318.7	25025.6
22.5°	22616.7	23254.8	23758.3	24227.8	24557.1	24824.9	24952.3	25006.4	24931.9	24772.7	24497.4
25°	20120.5	20988.0	21728.5	22447.0	22986.0	23449.2	23727.6	23923.8	23939.4	23856.1	23610.5
27.5°	17346.7	18370.9	19308.0	20262.9	21021.0	21686.8	22123.8	22443.6	22545.2	22531.8	22308.8
30°	14576.6	15651.7	16684.7	17798.2	18736.2	19586.9	20164.1	20596.6	20763.3	20795.2	20580.7
32.5°	11960.4	13020.7	14050.7	15214.9	16247.1	17222.1	17904.0	18417.8	18611.6	18657.2	18421.9
35°	9586.2	10564.3	11543.1	12671.5	13697.7	14707.4	15425.9	15963.8	16144.8	16175.3	15903.0
37.5°	7527.2	8360.6	9213.6	10225.9	11168.3	12116.6	12799.3	13304.8	13436.6	13428.4	13120.2
40°	5793.6	6441.5	7126.8	7960.3	8743.8	9545.4	10121.9	10539.7	10609.0	10557.7	10234.0
42.5°	4356.4	4824.4	5321.3	5943.4	6524.8	7124.7	7544.1	7854.4	7864.2	7783.1	7492.4
45°	3245.5	3702.1	3910.5	4286.6	4661.0	5060.0	5316.1	5507.7	5478.1	5406.7	5185.8
47.5°	2474.2	2649.6	2835.7	3068.9	3287.1	3739.7	3706.2	4014.0	3792.3	3943.5	3610.8
50°	1964.8	2062.8	2163.1	2286.8	2400.8	2519.2	2593.1	2648.3	2641.2	2617.4	2553.6
52.5°	1671.5	1701.8	1751.2	1821.6	1885.3	1949.2	1991.4	2025.6	2026.2	2016.7	1984.4
55°	1397.0	1435.5	1471.0	1517.0	1595.3	1607.4	1667.8	1655.5	1660.3	1643.5	1660.7
57.5°	1231.8	1254.1	1274.1	1301.5	1324.1	1350.5	1366.2	1381.2	1379.7	1376.5	1360.1
60°	1114.6	1127.0	1138.1	1154.1	1166.5	1181.4	1188.6	1196.2	1193.8	1188.2	1173.5
62.5°	1024.3	1032.1	1038.4	1048.7	1056.2	1065.6	1069.3	1072.5	1069.3	1064.0	1051.1
65°	935.2	940.2	944.3	952.0	957.3	965.3	968.4	971.5	968.5	964.4	954.6
67.5°	854.9	855.4	855.0	858.1	859.8	864.6	866.0	868.2	864.7	861.2	852.9
70°	794.0	792.7	791.2	792.4	792.7	795.0	795.4	795.0	790.9	784.7	775.7
72.5°	746.3	745.6	744.5	745.5	745.5	747.6	747.0	745.9	740.8	734.9	725.9
75°	685.0	684.6	682.3	682.4	680.5	681.1	678.7	677.3	671.6	666.6	658.6
77.5°	613.4	612.3	608.9	607.6	604.0	602.5	597.8	595.6	589.8	585.7	578.9
80°	533.5	532.2	527.9	525.5	519.7	516.1	509.2	505.3	498.7	494.8	488.1
82.5°	440.9	441.4	437.1	434.2	425.9	419.6	410.4	405.5	398.2	394.4	387.4
85°	313.6	309.1	311.5	311.3	306.2	300.7	293.2	288.0	281.8	278.2	273.4
87.5°	172.0	173.1	171.8	170.7	167.1	164.3	158.5	155.5	151.0	148.7	145.1
90°	106.4	103.0	95.5	92.2	85.0	80.2	72.1	68.0	60.3	58.3	53.8
92.5°	106.5	100.4	94.6	88.3	82.5	76.4	70.4	64.3	58.3	56.2	54.3
95°	134.2	125.6	116.9	108.2	99.5	90.9	82.2	73.6	64.8	63.1	61.3
97.5°	151.4	141.1	130.8	120.6	110.4	100.1	90.0	79.7	69.4	68.4	67.2
100°	269.1	245.5	221.8	198.1	174.6	151.0	127.4	103.7	80.2	78.8	77.5
102.5°	615.8	558.5	501.3	444.0	386.7	329.4	272.1	214.7	157.5	149.2	141.0
105°	1095.5	1008.8	922.3	835.5	748.7	662.0	575.3	488.5	401.8	374.0	346.1
107.5°	1441.3	1359.7	1278.3	1196.8	1115.2	1033.7	952.1	870.5	788.9	739.9	690.8
110°	1598.0	1533.1	1468.6	1403.9	1339.1	1274.4	1209.7	1144.8	1080.1	1037.8	995.6



TEST NUMBER: P1444599
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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°	1578.6	1531.1	1483.8	1436.3	1388.8	1341.3	1293.9	1246.2	1198.7	1173.0	1147.4
115°	1426.5	1397.8	1369.3	1340.6	1312.0	1283.3	1254.8	1225.9	1197.2	1183.6	1170.1
117.5°	1245.6	1230.9	1216.4	1201.5	1186.9	1172.1	1157.4	1142.6	1127.9	1123.1	1118.2
120°	1061.5	1056.9	1052.2	1047.7	1043.2	1038.6	1033.8	1029.2	1024.5	1025.0	1025.5
122.5°	907.5	909.1	910.8	912.1	913.9	915.3	916.9	918.1	919.6	923.1	926.6
125°	798.9	802.9	807.0	811.1	815.2	819.1	823.2	827.1	831.2	834.6	838.3
127.5°	720.8	725.2	729.9	734.4	739.1	743.4	748.0	752.3	756.9	760.1	763.3
130°	665.9	669.7	673.7	677.6	681.5	685.4	689.3	693.2	697.1	699.5	701.9
132.5°	625.5	629.1	632.7	635.9	639.6	642.9	646.5	650.0	653.5	655.2	657.0
135°	599.2	601.6	604.2	606.7	609.5	612.0	614.6	617.2	619.9	621.0	622.3
137.5°	575.2	577.1	579.3	581.4	583.6	585.6	587.9	590.0	592.4	592.7	593.4
140°	553.9	556.2	558.4	560.7	563.0	565.2	567.8	570.1	572.7	573.0	573.7
142.5°	537.9	539.6	541.3	543.0	544.9	546.5	548.5	550.6	552.5	552.9	553.5
145°	520.6	522.7	524.8	526.9	528.9	531.1	533.6	535.9	538.4	538.5	538.8
147.5°	508.3	510.0	512.0	513.7	515.6	517.5	519.7	521.7	523.9	524.0	524.2
150°	494.4	496.2	498.2	500.1	502.1	504.3	506.6	508.8	511.4	511.9	512.5
152.5°	482.0	484.1	486.2	488.5	490.7	493.1	495.6	498.0	500.6	501.0	501.6
155°	471.4	473.4	475.7	478.0	480.2	482.4	485.0	487.3	489.8	490.5	491.1
157.5°	464.8	466.6	468.6	470.7	472.6	474.6	476.9	479.0	481.2	481.8	482.4
160°	460.3	461.9	463.7	465.6	467.3	469.1	471.1	472.9	474.8	475.4	476.0
162.5°	456.4	458.0	459.9	461.4	463.3	465.1	467.1	468.7	470.7	471.2	471.7
165°	454.1	455.4	456.7	457.8	459.3	460.5	462.0	463.2	464.7	465.2	465.9
167.5°	456.5	457.3	458.2	459.2	460.4	461.4	462.5	463.4	464.6	465.1	465.8
170°	456.2	457.1	457.8	458.8	459.8	460.8	461.7	462.6	463.7	464.2	464.9
172.5°	457.3	457.7	458.5	459.0	459.7	460.2	461.0	461.6	462.3	463.0	463.6
175°	459.9	460.2	460.5	460.7	461.1	461.4	461.8	462.2	462.5	463.0	463.5
177.5°	463.6	463.8	464.1	464.3	464.7	464.9	465.3	465.5	465.8	466.5	467.3
180°	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7



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CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6
2.5°	25727.8	25727.6	25726.8	25725.6	25724.4	25725.1	25726.3	25729.2	25734.4	25741.9	25751.6
5°	25637.6	25642.9	25645.8	25646.2	25643.5	25641.9	25644.3	25651.4	25665.7	25689.6	25721.9
7.5°	25542.9	25549.4	25559.3	25566.7	25568.2	25566.4	25566.7	25577.8	25604.2	25650.7	25716.1
10°	25441.7	25422.5	25432.7	25451.2	25466.0	25468.6	25470.5	25483.5	25522.1	25592.4	25697.4
12.5°	25348.4	25287.5	25275.8	25292.5	25314.9	25322.1	25320.1	25325.7	25370.8	25463.9	25610.3
15°	25225.5	25111.0	25071.9	25076.2	25103.8	25113.8	25106.5	25095.4	25139.4	25253.1	25442.4
17.5°	25026.7	24842.1	24770.1	24767.0	24799.3	24807.9	24790.2	24755.7	24798.9	24940.9	25176.0
20°	24724.5	24452.0	24316.5	24295.0	24330.1	24319.8	24284.4	24232.3	24289.1	24461.7	24741.2
22.5°	24181.2	23835.9	23604.4	23529.8	23571.8	23543.7	23492.0	23425.6	23501.0	23697.2	24008.5
25°	23293.5	22894.4	22577.6	22399.8	22433.3	22383.1	22326.7	22246.2	22336.1	22561.3	22904.0
27.5°	21988.5	21527.6	21134.9	20840.7	20851.5	20785.7	20720.8	20616.6	20728.9	20995.3	21381.8
30°	20253.3	19719.9	19241.8	18841.9	18806.1	18742.3	18675.8	18539.0	18679.6	18998.5	19450.2
32.5°	18074.1	17481.9	16929.5	16423.9	16328.5	16266.2	16207.0	16049.5	16233.6	16605.5	17124.5
35°	15525.7	14894.9	14295.9	13718.4	13560.5	13498.2	13446.4	13295.5	13525.3	13930.0	14490.4
37.5°	12728.5	12084.1	11489.4	10897.2	10673.9	10589.5	10551.8	10453.0	10718.1	11118.4	11681.1
40°	9856.8	9257.6	8724.5	8201.4	7946.9	7817.7	7797.9	7779.9	8036.2	8383.6	8894.2
42.5°	7170.4	6687.1	6276.0	5876.2	5645.4	5468.9	5468.8	5522.5	5753.2	6013.3	6407.2
45°	4960.0	4635.6	4373.7	4106.5	4177.9	3826.1	4032.8	3926.7	4040.7	4208.5	4464.6
47.5°	3409.5	3232.5	3088.6	2939.3	2830.5	2726.6	2735.7	2802.7	2910.1	3009.6	3142.9
50°	2485.0	2394.8	2321.5	2244.0	2189.9	2144.0	2146.7	2175.6	2232.1	2284.6	2354.3
52.5°	1947.2	1897.4	1857.6	1814.8	1786.3	1763.6	1764.8	1778.8	1809.4	1839.3	1879.3
55°	1604.9	1599.0	1547.2	1508.7	1494.0	1478.7	1481.5	1487.1	1507.8	1525.4	1551.8
57.5°	1344.9	1321.7	1306.1	1285.9	1276.6	1265.9	1268.3	1270.4	1284.2	1296.0	1315.1
60°	1161.3	1144.8	1133.8	1120.1	1114.0	1107.1	1108.7	1110.0	1118.8	1126.5	1140.1
62.5°	1039.3	1024.6	1015.1	1004.4	1000.2	995.5	996.6	996.9	1002.5	1008.1	1018.5
65°	945.7	934.1	926.2	917.0	912.4	907.7	908.2	908.2	912.8	917.0	924.7
67.5°	846.8	838.1	832.9	825.6	822.6	817.6	817.6	816.1	819.1	820.7	826.0
70°	767.5	758.5	751.9	745.0	741.1	736.8	736.9	737.0	740.5	744.3	751.1
72.5°	718.3	709.9	704.0	697.9	694.3	690.6	690.0	689.6	692.1	694.2	698.7
75°	653.4	646.6	643.2	637.4	634.6	630.4	629.7	627.9	629.1	629.5	632.9
77.5°	574.6	568.1	565.4	559.6	557.1	552.5	552.1	550.0	551.0	550.3	552.8
80°	484.8	479.0	477.4	472.6	471.5	467.2	466.5	463.9	464.6	462.7	463.6
82.5°	384.5	379.2	378.0	373.6	373.6	369.6	369.4	365.5	365.5	362.2	356.9
85°	270.8	266.9	265.3	261.7	260.6	257.5	255.8	252.1	250.8	248.3	247.6
87.5°	142.9	140.5	138.2	136.5	133.4	127.7	127.2	123.3	123.6	120.8	121.0
90°	52.3	48.1	46.8	42.9	41.3	38.2	36.7	37.6	39.0	40.0	41.6
92.5°	52.4	50.3	48.3	46.3	44.3	42.2	40.3	42.2	44.3	46.3	48.3
95°	59.4	57.7	55.9	54.1	52.3	50.5	48.7	50.5	52.3	54.2	56.0
97.5°	66.1	64.9	63.8	62.7	61.6	60.4	59.3	60.5	61.7	62.8	63.9
100°	76.1	74.8	73.5	72.1	70.7	69.4	68.1	69.6	70.9	72.3	73.7
102.5°	132.8	124.6	116.2	108.0	99.7	91.5	83.2	91.5	99.7	108.1	116.3
105°	318.2	290.4	262.4	234.5	206.6	178.7	150.8	178.8	206.7	234.6	262.6
107.5°	641.7	592.8	543.7	494.7	445.5	396.4	347.3	396.5	445.7	494.8	543.9
110°	953.2	910.9	868.6	826.3	783.9	741.5	699.1	741.6	784.1	826.5	868.9



TEST NUMBER: P1444599
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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°	1121.6	1095.8	1070.1	1044.4	1018.4	992.8	966.9	993.0	1018.8	1044.8	1070.7
115°	1156.4	1142.8	1129.3	1115.7	1101.9	1088.3	1074.4	1088.6	1102.4	1116.3	1130.1
117.5°	1113.4	1108.7	1103.7	1098.9	1094.0	1089.1	1084.0	1089.2	1094.5	1099.8	1104.7
120°	1025.8	1026.4	1026.7	1027.0	1027.4	1027.7	1027.9	1028.1	1028.1	1028.1	1028.0
122.5°	930.0	933.4	936.7	940.0	943.4	946.6	949.8	947.0	944.2	941.3	938.3
125°	841.6	845.3	848.7	852.1	855.5	858.9	861.9	859.4	856.5	853.6	850.6
127.5°	766.5	769.6	772.7	775.9	778.8	781.6	784.3	782.2	779.7	777.3	774.6
130°	704.2	706.7	708.8	711.1	713.1	715.2	717.1	715.8	714.2	712.8	711.0
132.5°	658.7	660.5	662.3	663.9	665.3	666.9	667.9	667.5	666.6	665.8	664.6
135°	623.4	624.4	625.5	626.7	627.4	628.3	628.8	629.0	628.7	628.5	628.0
137.5°	593.8	594.5	594.8	595.1	595.3	595.5	595.4	596.1	596.5	597.2	597.3
140°	574.0	574.7	575.0	575.4	575.7	576.0	575.8	576.7	577.1	577.6	577.7
142.5°	554.0	554.6	554.9	555.4	555.5	555.8	555.7	556.5	556.9	557.3	557.5
145°	539.2	539.4	539.5	539.7	539.7	539.6	539.2	540.3	540.9	541.5	542.1
147.5°	524.5	524.8	524.7	524.8	524.8	524.7	524.4	525.3	526.1	526.7	527.3
150°	513.0	513.6	514.1	514.5	514.8	515.1	515.1	515.7	516.0	516.4	516.5
152.5°	502.0	502.5	503.0	503.4	503.6	503.8	503.9	504.4	504.9	505.4	505.6
155°	491.7	492.4	493.0	493.6	494.0	494.5	494.8	495.2	495.5	495.7	495.9
157.5°	482.9	483.6	484.1	484.7	485.0	485.6	486.0	486.4	486.7	487.1	487.3
160°	476.4	477.1	477.5	478.1	478.6	479.1	479.5	479.8	480.2	480.5	480.9
162.5°	472.2	472.8	473.1	473.7	474.1	474.6	475.0	475.4	475.8	476.2	476.5
165°	466.7	467.4	468.0	468.6	469.4	470.1	470.6	470.8	470.9	471.0	471.1
167.5°	466.4	467.1	467.7	468.4	468.8	469.6	470.2	470.4	470.3	470.4	470.5
170°	465.3	465.9	466.6	467.1	467.7	468.4	468.7	468.8	468.8	468.9	469.0
172.5°	464.3	465.1	465.8	466.6	467.3	467.9	468.5	468.4	468.3	468.0	467.7
175°	464.1	464.8	465.4	466.0	466.6	467.2	467.9	467.5	467.4	467.0	466.8
177.5°	468.1	468.9	469.6	470.3	471.1	471.8	472.6	471.9	471.3	470.7	470.0
180°	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7



TEST NUMBER: P1444599
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CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6
2.5°	25765.4	25778.3	25798.0	25815.9	25842.8	25864.0	25895.9	25920.1	25956.0	25979.4	26018.5
5°	25767.7	25818.1	25884.4	25949.0	26026.8	26097.5	26185.2	26259.9	26348.1	26420.0	26510.2
7.5°	25804.2	25901.3	26017.8	26135.3	26268.0	26392.3	26532.1	26658.8	26797.2	26914.4	27042.4
10°	25831.0	25981.0	26152.7	26325.5	26507.3	26676.2	26846.8	26994.3	27132.0	27245.4	27345.6
12.5°	25794.5	26001.1	26221.4	26434.2	26636.4	26811.3	26958.0	27071.5	27149.7	27202.8	27215.2
15°	25670.7	25919.2	26158.8	26370.6	26538.5	26667.9	26734.9	26766.3	26732.6	26676.7	26553.8
17.5°	25439.2	25701.4	25915.6	26082.7	26171.4	26206.5	26151.0	26054.5	25865.8	25656.4	25354.0
20°	25015.0	25259.2	25414.6	25505.7	25482.0	25394.3	25184.7	24930.1	24553.4	24152.1	23622.3
22.5°	24270.7	24484.3	24567.1	24573.9	24429.1	24209.4	23831.5	23394.7	22800.5	22182.8	21423.1
25°	23153.7	23340.7	23353.8	23280.3	23015.4	22659.4	22104.5	21486.7	20679.2	19856.1	18904.0
27.5°	21638.6	21818.0	21774.1	21637.0	21269.3	20793.0	20082.5	19284.3	18288.8	17316.6	16263.5
30°	19734.2	19926.0	19874.4	19698.6	19261.2	18698.2	17862.2	16934.8	15829.6	14791.2	13724.1
32.5°	17455.1	17697.6	17662.0	17494.9	17038.4	16435.9	15528.8	14545.2	13414.5	12391.2	11353.2
35°	14864.5	15159.0	15174.2	15065.0	14641.3	14045.7	13150.1	12198.0	11115.0	10149.5	9190.5
37.5°	12073.6	12415.0	12485.1	12455.6	12104.4	11578.7	10762.7	9908.5	8949.1	8102.9	7282.7
40°	9267.2	9612.8	9732.6	9768.2	9509.0	9101.9	8432.1	7742.7	6960.5	6274.9	5623.6
42.5°	6707.9	7014.3	7130.1	7202.9	7041.2	6769.7	6281.1	5780.5	5207.5	4712.9	4238.7
45°	4658.8	4875.4	4963.6	5036.9	4948.8	4795.7	4487.1	4174.0	3795.7	3472.6	3166.7
47.5°	3257.2	3376.7	3434.8	3470.5	3436.3	3356.4	3188.6	3007.1	2793.6	2604.8	2423.2
50°	2414.2	2477.9	2508.3	2528.9	2504.0	2459.6	2368.8	2270.0	2152.8	2045.8	1941.2
52.5°	1913.3	1949.7	1967.8	1978.9	1964.7	1937.4	1884.6	1826.1	1755.7	1689.6	1654.8
55°	1611.8	1610.0	1651.7	1631.6	1651.7	1606.6	1597.2	1532.8	1474.4	1433.3	1388.8
57.5°	1329.2	1348.2	1356.2	1365.2	1359.4	1351.1	1328.6	1305.5	1274.8	1249.1	1221.6
60°	1150.6	1166.2	1175.0	1183.9	1183.4	1180.3	1167.2	1153.5	1134.2	1118.8	1102.2
62.5°	1027.6	1041.0	1049.8	1058.3	1059.1	1057.8	1048.0	1038.4	1025.3	1015.6	1004.2
65°	930.7	940.2	946.1	952.9	952.6	950.7	941.8	934.0	923.1	916.4	908.0
67.5°	829.4	836.6	841.2	847.6	848.9	849.3	844.4	840.6	835.3	833.5	830.6
70°	757.4	766.1	773.4	781.6	786.0	788.1	786.0	784.1	781.0	779.7	777.5
72.5°	702.9	710.3	716.0	723.3	727.5	730.4	728.8	727.8	725.1	724.7	723.2
75°	635.1	640.2	643.5	649.0	651.3	654.0	652.7	653.4	652.5	654.7	654.6
77.5°	553.7	557.4	559.0	563.0	563.4	566.8	567.5	571.4	574.2	580.3	583.6
80°	462.1	464.4	464.4	468.5	470.4	476.0	478.8	485.1	488.1	493.6	494.0
82.5°	358.9	356.2	358.9	357.3	362.5	368.8	369.6	375.1	376.3	379.8	377.1
85°	245.4	245.2	243.0	243.4	241.7	242.5	241.5	242.6	241.6	241.7	239.3
87.5°	117.6	118.7	116.0	116.9	114.4	115.6	113.4	115.1	112.5	112.9	109.0
90°	42.6	44.0	45.2	46.7	48.4	52.2	56.1	59.9	64.1	67.8	71.8
92.5°	50.3	52.5	54.4	56.5	58.4	64.4	70.5	76.5	82.7	88.6	94.7
95°	57.8	59.5	61.4	63.4	65.1	73.9	82.5	91.3	99.9	108.6	117.3
97.5°	65.2	66.4	67.5	68.7	69.8	80.1	90.4	100.6	110.9	121.1	131.3
100°	75.0	76.4	77.8	79.2	80.5	104.2	127.9	151.6	175.2	198.7	222.4
102.5°	124.7	133.0	141.3	149.7	158.0	215.3	272.7	330.0	387.2	444.7	501.9
105°	290.6	318.5	346.5	374.4	402.3	489.2	576.0	662.8	749.5	836.3	923.1
107.5°	593.1	642.2	691.4	740.5	789.7	871.4	953.0	1034.5	1116.3	1197.9	1279.3
110°	911.5	953.7	996.3	1038.8	1081.2	1145.9	1211.0	1275.7	1340.5	1405.3	1470.1



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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°	1096.6	1122.4	1148.4	1174.0	1200.0	1247.5	1295.3	1342.9	1390.5	1438.0	1485.5
115°	1143.9	1157.4	1171.3	1184.9	1198.8	1227.6	1256.3	1285.1	1314.0	1342.7	1371.6
117.5°	1109.8	1114.8	1119.8	1124.6	1129.6	1144.5	1159.5	1174.3	1189.2	1204.1	1218.9
120°	1027.9	1027.6	1027.4	1027.0	1026.8	1031.5	1036.4	1041.1	1045.9	1050.5	1055.2
122.5°	935.2	932.0	928.8	925.6	922.4	920.9	919.7	918.2	917.1	915.5	914.1
125°	847.4	844.2	840.9	837.6	834.2	830.3	826.5	822.7	818.7	814.7	810.8
127.5°	772.1	769.1	766.5	763.4	760.5	756.0	751.6	747.1	743.0	738.4	734.1
130°	709.3	707.2	705.4	703.0	701.2	697.1	693.5	689.7	685.8	682.0	678.3
132.5°	663.4	662.1	660.8	659.1	657.7	654.3	651.3	647.6	644.3	640.8	637.6
135°	627.5	626.8	626.3	625.3	624.5	621.9	619.5	617.0	614.6	612.1	609.6
137.5°	597.6	597.4	597.4	597.2	597.2	595.1	593.2	591.0	589.1	587.0	585.1
140°	578.0	577.9	578.0	577.8	577.7	575.4	573.4	571.1	568.9	566.7	564.5
142.5°	557.7	557.7	557.8	557.6	557.6	555.9	554.3	552.7	551.1	549.3	547.7
145°	542.5	542.8	543.1	543.2	543.6	541.4	539.5	537.3	535.5	533.5	531.5
147.5°	527.9	528.2	528.6	528.9	529.3	527.5	526.0	524.1	522.6	520.9	519.3
150°	516.7	516.8	517.0	516.9	516.9	515.0	513.3	511.5	509.8	507.9	506.3
152.5°	505.8	506.0	506.3	506.4	506.6	504.7	502.8	500.9	499.0	496.9	495.1
155°	496.1	496.1	496.2	496.2	496.2	494.5	492.7	490.7	489.0	487.1	485.3
157.5°	487.5	487.7	487.9	488.0	488.1	486.5	485.0	483.4	481.8	480.2	478.7
160°	481.1	481.4	481.6	481.7	481.9	480.5	479.5	477.9	476.7	475.2	473.8
162.5°	476.8	477.1	477.3	477.4	477.6	476.2	475.1	473.8	472.5	470.9	469.6
165°	471.3	471.2	471.2	471.1	471.1	470.2	469.4	468.5	467.7	466.6	465.7
167.5°	470.5	470.4	470.5	470.3	470.3	469.6	469.2	468.5	467.9	467.2	466.5
170°	468.9	468.9	468.8	468.6	468.6	468.0	467.4	466.8	466.3	465.4	464.7
172.5°	467.5	467.2	466.9	466.7	466.3	465.8	465.5	465.0	464.7	464.2	463.8
175°	466.4	466.1	465.8	465.5	465.1	465.0	464.7	464.6	464.4	464.1	463.9
177.5°	469.6	469.0	468.4	467.8	467.2	467.0	466.9	466.6	466.6	466.4	466.2
180°	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7



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CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6
2.5°	26042.8	25882.0	25860.6	25871.9	25898.9	25908.8	25937.8	25945.7	25974.9	25982.1	26010.1
5°	26580.1	26367.5	26378.1	26429.2	26506.6	26552.8	26628.8	26668.6	26741.2	26774.2	26839.9
7.5°	27146.7	26979.8	27031.8	27118.1	27223.8	27297.1	27388.5	27448.0	27526.8	27575.6	27638.7
10°	27424.9	27379.2	27436.5	27504.4	27564.7	27611.9	27650.7	27681.7	27702.0	27721.1	27729.3
12.5°	27213.2	27284.1	27293.8	27287.2	27247.2	27216.7	27148.1	27101.5	27018.7	26968.4	26869.8
15°	26428.4	26584.0	26497.8	26367.3	26176.3	26017.2	25792.4	25625.0	25390.8	25232.1	24997.1
17.5°	25050.9	25247.4	25022.9	24720.9	24336.7	24008.2	23598.9	23274.2	22867.3	22571.4	22191.7
20°	23111.8	23295.4	22894.8	22394.3	21800.1	21300.0	20710.4	20239.8	19691.9	19284.3	18792.4
22.5°	20697.5	20828.2	20263.9	19589.1	18832.1	18207.4	17502.3	16938.3	16312.9	15846.9	15322.4
25°	18026.4	18061.7	17384.8	16607.4	15763.6	15061.6	14308.9	13715.8	13078.0	12605.7	12090.9
27.5°	15330.4	15278.8	14547.1	13722.7	12835.2	12105.5	11371.3	10815.6	10257.0	9831.5	9388.0
30°	12785.8	12660.6	11900.9	11053.6	10192.1	9538.0	8928.5	8482.3	8037.9	7700.4	7344.4
32.5°	10452.4	10275.6	9536.2	8742.4	8016.5	7511.7	7059.7	6722.0	6363.2	6078.1	5779.3
35°	8385.6	8197.2	7542.1	6869.2	6319.8	5947.7	5592.5	5315.4	5010.7	4770.2	4510.7
37.5°	6611.8	6457.4	5908.7	5379.2	4963.6	4675.3	4384.2	4157.8	3905.9	3800.1	3522.8
40°	5104.3	4996.4	4567.3	4176.9	3864.9	3729.4	3434.0	3222.5	3034.4	2879.2	2728.9
42.5°	3981.5	3943.3	3525.7	3221.3	3001.5	2830.8	2666.2	2532.5	2402.5	2295.5	2194.4
45°	2921.8	2891.5	2706.2	2530.4	2380.7	2261.4	2150.1	2058.2	1973.2	1902.7	1838.5
47.5°	2275.2	2265.5	2158.8	2049.8	1955.4	1878.8	1806.6	1745.6	1689.1	1642.1	1626.8
50°	1850.5	1849.2	1786.6	1719.4	1652.2	1607.9	1561.8	1525.7	1489.4	1461.2	1431.4
52.5°	1572.3	1565.6	1523.2	1481.7	1441.8	1412.7	1383.2	1360.3	1336.2	1318.8	1300.2
55°	1353.6	1360.8	1336.3	1311.5	1286.6	1268.5	1247.8	1232.6	1216.2	1205.2	1194.0
57.5°	1201.7	1211.1	1198.4	1184.2	1169.1	1157.2	1143.0	1132.5	1121.5	1114.4	1107.9
60°	1091.2	1101.5	1096.3	1089.2	1079.9	1072.8	1063.7	1057.9	1050.8	1046.9	1043.3
62.5°	997.4	1010.4	1008.5	1005.2	999.2	995.2	990.2	987.7	983.0	981.3	979.5
65°	903.9	918.4	918.1	916.5	913.1	912.0	908.9	908.4	906.0	906.9	906.7
67.5°	830.3	842.9	845.7	847.7	847.6	848.4	848.1	849.4	849.4	851.1	852.3
70°	777.2	786.0	788.1	790.2	790.8	792.5	792.5	793.6	793.3	794.9	795.0
72.5°	723.5	735.1	737.2	739.0	739.0	740.5	739.8	739.5	737.1	736.6	735.0
75°	656.8	671.6	674.8	677.0	677.3	678.7	676.7	675.4	671.6	670.0	667.4
77.5°	587.0	602.4	604.7	605.5	604.2	604.5	600.3	597.4	592.6	590.5	588.0
80°	496.2	518.9	520.7	519.3	515.8	515.2	511.1	508.4	502.5	500.6	498.3
82.5°	377.6	404.2	407.9	409.5	406.7	407.4	403.4	401.9	396.5	395.6	392.0
85°	238.4	265.0	269.4	268.8	265.9	265.2	262.9	263.6	263.2	264.6	265.4
87.5°	109.5	135.3	141.4	139.5	139.2	137.4	133.3	134.8	137.3	138.9	139.0
90°	75.7	87.4	91.2	88.5	83.2	80.2	75.1	72.5	67.9	65.2	60.6
92.5°	100.7	106.8	112.8	107.4	102.1	96.7	91.4	85.9	80.6	75.1	69.9
95°	126.0	134.5	143.2	136.0	128.9	121.7	114.5	107.5	100.3	93.1	86.0
97.5°	141.5	151.7	161.8	154.6	147.5	140.3	133.1	126.0	118.9	111.6	104.5
100°	246.1	269.3	292.9	272.6	252.2	231.9	211.6	191.2	170.9	150.7	130.3
102.5°	559.2	616.3	673.5	622.0	570.5	519.1	467.8	416.3	364.9	313.4	262.1
105°	1009.8	1096.1	1182.8	1104.1	1025.6	947.2	868.7	790.2	711.8	633.3	554.9
107.5°	1360.8	1441.9	1523.2	1452.3	1381.3	1310.5	1239.3	1168.5	1097.5	1026.6	955.7
110°	1534.8	1598.8	1663.3	1615.6	1568.0	1520.4	1472.8	1425.3	1377.7	1330.3	1282.8



TEST NUMBER: P1444599
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CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	1532.9	1579.5	1626.7	1598.7	1571.0	1543.1	1515.4	1487.5	1459.9	1432.1	1404.6
115°	1400.0	1427.4	1455.7	1444.7	1433.8	1422.9	1411.9	1401.1	1390.1	1379.3	1368.6
117.5°	1233.6	1246.9	1261.1	1259.1	1257.3	1255.3	1253.5	1251.6	1249.9	1248.1	1246.4
120°	1059.9	1062.8	1067.0	1068.4	1070.1	1071.6	1073.2	1074.8	1076.5	1078.1	1079.8
122.5°	912.6	909.3	907.2	908.7	910.3	911.6	913.1	914.6	916.2	917.7	919.4
125°	806.8	800.8	796.1	794.5	792.8	791.0	789.3	787.5	786.0	784.3	782.8
127.5°	729.5	722.9	717.8	713.5	709.4	705.1	700.9	696.4	692.4	688.1	684.1
130°	674.5	668.2	663.7	658.2	653.1	647.5	642.3	636.8	631.5	626.1	620.8
132.5°	634.2	628.1	624.1	619.0	614.0	608.7	603.7	598.4	593.3	588.0	583.0
135°	607.0	601.8	598.8	594.0	589.6	584.8	580.0	575.4	570.8	565.9	561.5
137.5°	583.0	578.1	575.4	571.6	568.1	564.3	560.8	556.9	553.2	549.3	545.8
140°	562.3	557.1	554.2	552.1	550.3	548.0	546.1	544.0	542.0	539.9	537.8
142.5°	546.0	541.0	538.8	537.5	536.3	535.0	534.0	532.6	531.4	529.9	528.7
145°	529.5	523.8	521.1	521.1	521.2	521.2	521.1	521.1	521.0	520.9	520.8
147.5°	517.5	511.9	509.2	509.6	510.0	510.3	510.8	510.9	511.4	511.6	512.0
150°	504.3	497.9	494.9	495.6	496.1	496.8	497.5	498.3	499.1	499.7	500.4
152.5°	493.0	485.4	482.0	482.7	483.6	484.2	485.0	485.8	486.7	487.5	488.3
155°	483.2	475.0	471.4	471.6	471.9	472.4	472.7	473.2	473.6	474.0	474.5
157.5°	476.9	468.4	465.0	464.9	465.1	465.2	465.3	465.6	465.8	466.0	466.5
160°	472.3	464.0	460.7	460.5	460.8	460.8	460.8	461.0	461.2	461.4	461.8
162.5°	468.1	460.0	456.8	456.6	456.5	456.7	456.8	456.7	456.9	457.1	457.3
165°	464.6	457.6	454.9	455.0	455.2	455.4	455.6	455.9	456.3	456.7	457.1
167.5°	465.7	459.5	457.3	457.1	456.8	456.5	456.5	456.1	456.1	455.9	455.9
170°	464.0	459.1	457.2	457.2	457.3	457.4	457.4	457.5	457.6	457.7	457.9
172.5°	463.2	459.7	458.2	458.6	459.0	459.4	459.8	460.2	460.6	461.1	461.5
175°	463.7	461.5	460.9	460.9	461.2	461.4	461.6	461.9	462.1	462.3	462.8
177.5°	466.0	465.3	464.9	464.9	464.9	464.9	464.9	464.9	464.9	465.0	465.0
180°	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7



TEST NUMBER: P1444599
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6
2.5°	26015.4	26045.7	26043.4	26071.7	26070.3	26097.0	26091.6	26114.7	26109.5	26129.1	26117.5
5°	26868.8	26926.4	26945.5	26997.5	27008.3	27054.9	27055.9	27092.9	27088.4	27117.4	27101.9
7.5°	27676.0	27729.8	27755.4	27795.8	27816.1	27849.6	27862.6	27890.2	27896.8	27913.0	27912.5
10°	27744.1	27743.9	27756.5	27750.8	27762.1	27755.7	27769.4	27764.5	27784.8	27779.6	27794.9
12.5°	26827.4	26736.4	26703.2	26621.5	26603.6	26533.5	26538.5	26493.5	26515.2	26487.6	26534.7
15°	24857.3	24646.3	24541.9	24358.4	24300.9	24155.9	24144.1	24047.7	24073.8	24023.4	24097.1
17.5°	21946.1	21613.8	21431.5	21163.5	21057.1	20852.0	20810.8	20686.9	20706.0	20643.6	20732.6
20°	18475.0	18073.4	17843.5	17533.6	17395.4	17150.9	17085.9	16947.3	16964.6	16902.5	17003.1
22.5°	14964.3	14544.1	14284.4	13959.7	13783.1	13553.2	13484.1	13344.7	13352.7	13294.4	13391.2
25°	11738.2	11335.3	11083.2	10788.3	10635.0	10424.2	10351.6	10226.6	10233.7	10185.5	10272.4
27.5°	9080.4	8749.7	8538.8	8291.6	8154.3	7980.9	7910.2	7805.0	7804.7	7769.4	7842.0
30°	7095.8	6819.9	6630.6	6415.3	6286.3	6129.8	6061.5	5967.4	5963.3	5938.3	5995.9
32.5°	5555.9	5310.5	5137.8	4948.2	4832.5	4698.2	4633.6	4558.0	4551.0	4528.4	4575.7
35°	4319.0	4112.3	3963.8	3804.3	3816.1	3618.0	3650.9	3497.1	3455.4	3446.2	3481.5
37.5°	3338.1	3178.0	3057.3	2937.9	2857.0	2773.3	2728.2	2687.7	2683.1	2679.2	2703.9
40°	2612.8	2500.8	2413.1	2331.0	2275.3	2224.3	2196.1	2173.9	2168.6	2165.6	2180.6
42.5°	2114.6	2039.1	1982.5	1932.5	1898.6	1870.8	1855.4	1843.0	1838.9	1839.0	1847.9
45°	1786.6	1740.8	1704.4	1673.2	1651.6	1661.1	1633.1	1647.8	1628.4	1648.5	1635.3
47.5°	1573.3	1534.3	1511.7	1489.7	1476.7	1466.1	1466.5	1466.7	1470.8	1471.5	1475.8
50°	1408.8	1386.2	1370.6	1356.5	1349.7	1344.1	1346.0	1347.5	1351.5	1351.8	1355.0
52.5°	1287.0	1272.1	1262.7	1254.0	1250.9	1247.8	1249.2	1248.6	1250.3	1249.5	1252.0
55°	1187.9	1180.9	1177.9	1174.7	1175.2	1174.3	1174.9	1171.8	1169.8	1167.4	1169.6
57.5°	1106.6	1105.7	1107.6	1109.0	1112.7	1114.1	1114.9	1111.3	1107.8	1104.7	1106.5
60°	1044.0	1045.4	1050.4	1054.5	1059.8	1062.3	1063.8	1061.7	1059.2	1056.6	1058.2
62.5°	982.1	984.5	990.4	994.9	1001.4	1004.8	1008.5	1008.7	1009.7	1008.7	1009.8
65°	910.4	913.3	918.7	922.5	928.4	931.4	935.2	935.9	938.1	937.6	939.4
67.5°	855.9	858.5	863.0	866.6	872.0	875.0	878.4	878.5	879.3	879.1	880.8
70°	797.7	799.0	803.0	806.0	811.4	814.5	818.3	819.5	821.9	822.3	824.2
72.5°	735.7	735.1	737.5	738.9	742.9	745.4	750.3	752.9	756.9	758.0	759.4
75°	668.1	667.6	670.4	671.6	675.0	677.5	683.0	686.5	692.7	695.4	694.7
77.5°	590.0	591.3	596.6	599.7	604.2	607.4	614.5	620.1	631.5	636.5	631.4
80°	502.5	504.0	509.5	512.3	518.3	522.2	530.1	536.7	546.9	549.1	546.2
82.5°	395.1	395.5	400.5	402.5	410.4	416.1	426.1	431.4	437.7	436.7	435.9
85°	269.4	273.1	279.3	285.5	295.1	304.2	313.7	321.5	316.0	324.7	314.9
87.5°	144.0	143.6	152.1	150.7	164.0	171.8	180.1	184.0	188.4	187.5	187.6
90°	58.3	55.4	54.5	51.4	51.2	47.8	48.3	45.2	46.1	42.4	47.8
92.5°	64.4	61.6	58.6	55.8	52.8	50.0	47.1	44.1	41.3	38.3	41.3
95°	78.9	76.2	73.5	70.7	68.1	65.3	62.7	60.0	57.3	54.6	58.0
97.5°	97.3	95.8	94.2	92.6	91.1	89.6	88.0	86.4	84.8	83.2	85.5
100°	109.9	109.9	109.9	109.9	109.7	109.7	109.7	109.7	109.7	109.7	111.5
102.5°	210.6	205.5	200.4	195.1	190.0	184.9	179.8	174.6	169.4	164.3	171.9
105°	476.4	456.3	436.1	416.0	395.9	375.7	355.7	335.5	315.5	295.4	316.1
107.5°	884.9	848.2	811.6	774.9	738.2	701.6	665.0	628.4	591.8	555.2	588.0
110°	1235.2	1196.3	1157.3	1118.5	1079.5	1040.6	1001.7	962.9	924.0	885.2	916.5



TEST NUMBER: P1444599
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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°	1376.9	1351.5	1326.5	1301.3	1276.3	1251.2	1226.2	1201.1	1176.2	1151.1	1166.4
115°	1357.7	1345.8	1333.7	1321.9	1310.0	1298.0	1286.0	1274.2	1262.3	1250.5	1251.4
117.5°	1244.6	1240.5	1236.6	1232.6	1228.5	1224.7	1220.8	1216.9	1213.1	1209.4	1200.9
120°	1081.8	1083.0	1084.1	1085.5	1086.9	1088.3	1089.5	1091.1	1092.7	1094.3	1082.9
122.5°	921.1	923.9	926.9	929.9	933.0	936.2	939.4	942.7	946.0	949.4	938.0
125°	781.1	784.0	786.8	789.9	792.7	795.9	799.1	802.4	805.7	809.1	799.5
127.5°	679.9	680.9	681.9	683.1	684.2	685.4	686.8	688.3	689.9	691.5	685.5
130°	615.4	614.4	613.3	612.5	611.4	610.8	610.1	609.5	608.9	608.6	605.9
132.5°	577.8	575.3	572.9	570.5	568.2	566.2	564.0	562.2	560.3	558.6	557.8
135°	556.7	553.3	550.0	546.6	543.4	540.5	537.6	534.9	532.1	529.5	529.9
137.5°	541.9	538.7	535.3	532.1	528.9	526.0	523.0	520.1	517.5	514.9	515.9
140°	535.7	532.4	529.0	525.8	522.8	519.7	516.8	514.1	511.2	508.8	509.4
142.5°	527.3	524.4	521.3	518.4	515.6	512.9	510.3	507.8	505.2	503.0	503.7
145°	520.8	518.6	516.4	514.1	512.1	510.2	508.0	506.3	504.5	503.0	503.3
147.5°	512.2	510.6	508.8	507.2	505.5	504.2	502.6	501.4	500.1	498.9	499.0
150°	501.0	500.0	498.8	497.8	496.7	495.8	494.8	494.0	493.1	492.4	492.3
152.5°	489.1	488.2	487.1	486.2	485.2	484.5	483.6	482.9	482.1	481.4	481.3
155°	475.0	474.5	474.1	473.7	473.3	473.1	472.7	472.5	472.2	472.0	472.1
157.5°	466.7	466.6	466.3	466.4	466.3	466.2	466.1	466.3	466.1	466.3	466.5
160°	462.2	461.9	461.5	461.3	461.1	460.8	460.7	460.5	460.4	460.2	460.6
162.5°	457.5	457.8	457.9	458.0	458.3	458.5	458.8	459.2	459.4	459.8	460.1
165°	457.5	457.4	457.3	457.1	457.2	457.2	457.2	457.3	457.3	457.4	457.9
167.5°	455.8	456.1	456.2	456.6	456.9	457.3	457.5	458.1	458.5	459.1	459.5
170°	457.9	457.9	457.9	457.9	457.9	458.1	458.2	458.3	458.4	458.7	459.0
172.5°	461.9	461.9	461.7	461.9	461.7	461.9	461.9	462.0	462.0	462.1	462.3
175°	462.8	463.1	463.3	463.7	463.8	464.0	464.2	464.5	464.7	465.0	465.0
177.5°	465.0	465.1	465.1	465.1	465.1	465.2	465.2	465.2	465.2	465.1	465.3
180°	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7



TEST NUMBER: P1444599
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CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6
2.5°	26136.8	26123.7	26137.1	26123.5	26137.1	26120.7	26131.8	26114.2	26118.7	26100.4	26105.1
5°	27125.0	27104.2	27115.3	27088.2	27091.0	27054.9	27054.2	27012.2	27001.1	26953.1	26932.0
7.5°	27924.1	27917.3	27921.2	27903.8	27901.7	27877.1	27865.3	27830.5	27808.6	27764.5	27734.3
10°	27797.7	27818.0	27823.3	27844.1	27848.4	27868.9	27873.2	27893.9	27898.1	27913.3	27913.5
12.5°	26532.4	26601.6	26618.2	26703.6	26739.6	26837.3	26889.8	26997.5	27061.5	27168.9	27234.9
15°	24095.0	24214.7	24262.5	24429.3	24521.6	24716.4	24838.8	25062.4	25220.3	25457.8	25627.3
17.5°	20740.4	20907.6	20983.1	21209.4	21357.0	21644.5	21851.7	22192.7	22453.8	22832.9	23133.2
20°	17020.3	17206.3	17308.7	17566.8	17741.0	18076.9	18335.6	18754.7	19104.2	19584.5	19995.2
22.5°	13421.5	13598.4	13712.1	13974.8	14170.8	14521.2	14810.3	15252.7	15644.3	16185.5	16677.8
25°	10305.2	10467.3	10570.1	10807.6	10991.8	11313.7	11589.8	12015.2	12398.4	12941.2	13446.2
27.5°	7878.2	8013.9	8113.0	8315.6	8478.0	8751.0	8988.2	9339.8	9669.9	10139.6	10589.3
30°	6031.4	6151.7	6248.2	6424.6	6575.2	6811.9	7020.4	7315.7	7589.0	7962.6	8320.4
32.5°	4609.0	4712.6	4798.5	4952.9	5089.6	5302.7	5490.6	5749.5	5983.9	6300.9	6595.2
35°	3514.2	3718.0	3703.6	3916.5	3950.8	4103.8	4271.4	4497.8	4705.4	4974.9	5225.4
37.5°	2727.6	2784.9	2846.3	2940.5	3039.4	3178.6	3320.2	3596.7	3698.2	3901.8	4109.2
40°	2199.5	2238.2	2278.8	2342.4	2411.7	2509.7	2612.9	2744.8	2880.0	3045.2	3213.8
42.5°	1859.6	1881.5	1907.3	1944.6	1987.3	2049.5	2118.5	2208.0	2302.0	2418.2	2536.8
45°	1661.3	1650.9	1658.6	1678.7	1704.4	1742.2	1785.8	1841.2	1902.4	1977.6	2057.9
47.5°	1476.7	1480.9	1483.1	1494.0	1507.8	1533.1	1559.6	1597.2	1669.8	1691.9	1735.6
50°	1354.7	1356.6	1356.0	1361.5	1368.5	1385.0	1402.1	1427.5	1453.0	1486.7	1518.8
52.5°	1252.4	1255.3	1254.9	1258.5	1262.2	1272.6	1283.4	1301.5	1318.1	1339.5	1358.0
55°	1171.7	1175.6	1177.1	1180.2	1182.0	1187.5	1191.7	1200.3	1207.4	1219.6	1230.8
57.5°	1109.6	1114.9	1117.4	1118.4	1116.3	1116.0	1114.5	1116.4	1117.8	1124.3	1130.6
60°	1060.7	1065.0	1065.7	1065.0	1061.0	1058.1	1053.5	1052.0	1051.3	1054.5	1057.9
62.5°	1009.5	1011.1	1010.0	1008.7	1004.2	1001.3	996.6	994.9	993.2	995.4	997.2
65°	938.7	940.0	938.7	938.0	933.9	931.6	927.6	926.3	923.9	924.5	924.1
67.5°	881.2	882.6	881.5	880.4	877.6	876.2	873.2	871.4	868.5	867.5	865.6
70°	823.9	824.9	823.3	822.3	819.0	817.7	815.0	814.4	812.2	811.8	809.6
72.5°	758.0	758.1	755.8	755.1	752.7	752.6	751.4	752.5	752.4	753.6	753.1
75°	690.5	689.6	686.7	686.2	684.5	685.2	684.1	685.6	685.8	688.4	688.6
77.5°	623.0	619.4	614.0	611.4	607.7	607.3	605.2	606.7	606.2	609.0	610.2
80°	537.7	533.4	526.4	523.1	518.7	518.1	516.1	518.1	517.1	520.4	522.9
82.5°	429.3	425.5	418.3	415.6	410.6	411.1	409.0	411.1	410.8	415.8	418.6
85°	317.6	315.0	307.6	301.0	293.6	289.3	285.1	284.4	283.1	285.1	286.8
87.5°	183.4	181.1	175.2	171.4	158.5	159.1	154.0	153.7	152.4	151.4	154.0
90°	48.1	52.9	53.5	57.9	58.9	63.8	65.0	69.8	71.0	75.9	77.8
92.5°	44.1	47.1	49.9	52.8	55.7	58.6	61.5	64.4	70.7	76.7	83.2
95°	61.3	64.6	68.0	71.4	74.8	78.1	81.4	84.8	93.9	103.0	112.3
97.5°	87.7	89.9	92.1	94.3	96.6	98.8	101.0	103.2	113.2	123.0	132.8
100°	113.3	115.0	116.8	118.7	120.4	122.2	124.0	125.7	144.9	163.8	182.9
102.5°	179.5	187.1	194.7	202.3	209.9	217.6	225.1	232.7	276.3	319.8	363.4
105°	336.9	357.6	378.6	399.3	420.1	440.8	461.8	482.5	552.2	621.9	691.7
107.5°	620.8	653.6	686.4	719.4	752.2	785.1	817.9	850.8	918.8	986.9	1054.9
110°	947.7	979.1	1010.4	1041.7	1072.9	1104.4	1135.7	1167.1	1208.0	1248.7	1289.5



TEST NUMBER: P1444599
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CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	1181.6	1196.8	1212.0	1227.4	1242.6	1258.0	1273.2	1288.7	1309.1	1329.2	1349.7
115°	1252.4	1253.3	1254.4	1255.3	1256.3	1257.3	1258.6	1259.7	1266.1	1272.4	1278.8
117.5°	1192.5	1184.1	1175.9	1167.4	1159.2	1151.1	1142.9	1134.8	1133.5	1132.1	1130.7
120°	1071.8	1060.5	1049.3	1038.1	1027.1	1016.0	1005.0	994.1	988.4	982.8	977.2
122.5°	926.8	915.6	904.5	893.4	882.4	871.5	860.7	849.9	845.7	841.8	837.9
125°	790.1	780.8	771.5	762.2	753.2	744.2	735.3	726.4	726.1	725.5	725.4
127.5°	679.7	674.0	668.4	662.8	657.4	652.0	646.7	641.4	643.8	645.8	648.2
130°	603.3	600.8	598.5	595.9	593.9	591.6	589.6	587.4	591.5	595.5	599.6
132.5°	557.4	557.0	556.6	556.2	556.1	556.0	556.1	555.9	560.7	565.3	570.1
135°	530.4	531.1	532.0	532.8	533.9	534.8	535.9	536.9	541.5	546.0	550.5
137.5°	517.0	518.0	519.2	520.4	522.0	523.3	524.9	526.4	529.8	533.5	537.0
140°	510.3	511.1	512.2	513.2	514.3	515.4	516.8	518.0	520.9	523.7	526.3
142.5°	504.6	505.2	506.2	507.2	508.3	509.4	510.6	511.6	513.7	515.6	518.0
145°	504.0	504.5	505.3	506.0	506.7	507.4	508.4	509.2	510.6	511.8	512.9
147.5°	499.4	499.7	500.2	500.7	501.3	501.7	502.2	502.6	503.5	504.2	505.1
150°	492.5	492.5	492.7	492.7	493.1	493.3	493.7	493.9	494.6	495.2	496.1
152.5°	481.4	481.4	481.6	481.6	481.9	482.1	482.2	482.5	483.2	483.7	484.4
155°	472.4	472.8	473.2	473.5	473.9	474.1	474.6	474.8	475.3	475.7	476.2
157.5°	466.9	467.1	467.6	467.8	468.3	468.4	468.8	469.1	469.6	469.9	470.3
160°	461.2	461.9	462.4	462.9	463.4	464.0	464.6	465.2	465.6	465.9	466.3
162.5°	460.5	460.9	461.3	461.6	461.9	462.3	462.6	462.9	463.6	464.0	464.8
165°	458.5	459.1	459.8	460.2	460.8	461.5	462.0	462.6	462.8	463.2	463.5
167.5°	460.2	460.6	461.3	461.9	462.4	462.8	463.5	464.0	464.4	464.6	465.0
170°	459.6	460.1	460.6	461.2	461.7	462.1	462.7	463.0	463.6	464.0	464.7
172.5°	462.8	463.1	463.5	463.9	464.3	464.8	465.3	465.6	466.1	466.5	467.0
175°	465.0	465.0	465.1	465.2	465.3	465.3	465.4	465.6	465.7	465.8	465.9
177.5°	465.5	465.8	466.0	466.2	466.4	466.7	466.9	467.1	467.1	467.1	467.1
180°	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7



TEST NUMBER: P1444599
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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°	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6
2.5°	26086.9	26087.9	26066.9	26065.7	26046.1	26043.5	26024.4	26018.5	26003.0	25997.3	25981.4
5°	26878.3	26852.6	26793.4	26758.6	26700.1	26661.3	26597.9	26556.7	26495.5	26449.4	26387.9
7.5°	27678.7	27639.0	27572.5	27518.6	27437.4	27372.6	27277.5	27199.7	27096.7	27007.6	26899.5
10°	27913.5	27907.4	27890.4	27865.8	27827.9	27785.5	27720.9	27653.4	27563.2	27465.2	27345.1
12.5°	27335.9	27398.3	27483.3	27533.8	27595.1	27622.0	27647.1	27640.7	27624.2	27574.6	27505.2
15°	25872.6	26047.9	26280.0	26459.8	26666.8	26817.2	26983.3	27086.7	27190.0	27237.6	27266.8
17.5°	23544.9	23876.8	24292.9	24637.8	25035.7	25355.4	25705.7	25969.5	26240.7	26435.0	26610.7
20°	20555.0	21035.8	21624.4	22144.4	22749.0	23274.4	23850.1	24322.8	24810.2	25191.4	25552.1
22.5°	17312.0	17883.0	18594.5	19253.7	20033.2	20733.6	21524.0	22211.8	22930.0	23530.0	24110.1
25°	14122.9	14749.2	15527.3	16262.7	17145.4	17960.2	18897.5	19754.7	20683.1	21488.9	22285.1
27.5°	11210.8	11825.7	12620.1	13402.9	14336.4	15204.6	16208.8	17153.3	18210.3	19185.0	20182.0
30°	8817.4	9338.9	10051.2	10809.5	11730.1	12613.5	13628.7	14600.1	15699.7	16763.9	17886.9
32.5°	6985.8	7383.1	7943.1	8584.2	9433.7	10274.6	11241.3	12179.1	13261.8	14336.8	15504.9
35°	5548.0	5857.8	6284.8	6785.2	7504.5	8229.5	9084.5	9937.2	10947.4	11967.5	13102.8
37.5°	4374.9	4626.3	4960.7	5336.5	5913.5	6508.5	7209.5	7916.6	8794.3	9698.5	10727.5
40°	3416.3	3619.9	3880.2	4160.5	4596.2	5054.6	5596.8	6145.0	6850.2	7589.3	8440.8
42.5°	2683.8	2834.0	3017.9	3222.7	3629.2	3872.5	4240.2	4636.7	5155.2	5691.7	6331.9
45°	2155.3	2257.8	2385.3	2522.7	2711.4	2917.8	3169.6	3433.7	3926.2	4167.7	4557.1
47.5°	1799.9	1868.7	1949.8	2036.4	2147.7	2267.7	2417.1	2569.7	2767.2	2971.9	3211.8
50°	1560.5	1630.5	1658.3	1703.2	1767.6	1836.2	1920.4	2004.5	2110.4	2217.8	2341.3
52.5°	1382.9	1405.6	1436.0	1464.5	1504.4	1582.5	1607.7	1651.7	1711.1	1769.2	1834.0
55°	1247.2	1262.0	1281.8	1299.0	1323.1	1346.1	1379.4	1408.7	1448.4	1483.3	1526.4
57.5°	1141.6	1151.0	1164.8	1176.1	1191.6	1204.7	1224.2	1240.0	1262.8	1282.7	1308.8
60°	1064.9	1071.2	1080.4	1087.8	1097.7	1104.5	1114.2	1121.7	1133.6	1143.7	1158.3
62.5°	1002.2	1005.5	1011.5	1015.8	1022.2	1025.6	1030.7	1033.9	1040.6	1045.6	1053.8
65°	927.1	927.8	931.8	933.7	938.6	940.4	944.7	946.1	951.6	955.4	962.5
67.5°	865.4	863.7	863.8	862.3	863.0	861.6	861.9	860.5	862.6	863.8	869.2
70°	809.2	806.7	806.0	803.4	802.6	800.0	799.2	796.8	796.5	795.7	797.7
72.5°	754.4	753.7	753.9	752.0	751.8	750.1	750.2	749.0	750.3	750.9	753.3
75°	691.3	691.5	692.7	691.1	691.6	690.1	690.6	689.2	690.0	689.7	692.1
77.5°	614.6	616.4	619.7	619.0	620.1	618.4	619.1	617.2	617.8	616.4	617.4
80°	528.3	532.1	536.6	536.4	538.3	537.1	538.8	536.9	537.7	535.3	534.8
82.5°	425.8	429.1	433.9	434.1	438.3	439.0	443.7	443.5	446.4	444.6	443.2
85°	291.1	293.3	297.5	299.8	304.1	306.8	311.3	313.2	309.9	315.8	311.1
87.5°	152.1	157.7	154.5	161.9	160.1	167.6	166.0	172.9	171.5	177.5	176.7
90°	83.8	85.9	92.1	94.6	101.8	104.8	106.0	102.4	103.3	99.9	100.9
92.5°	89.2	95.7	101.9	108.1	114.3	120.7	114.8	109.0	103.2	97.5	91.6
95°	121.4	130.5	139.7	148.9	158.0	167.2	157.4	147.6	137.8	128.0	118.2
97.5°	142.6	152.4	162.3	172.1	182.0	191.8	180.2	168.7	157.1	145.6	133.9
100°	201.9	220.9	239.9	258.9	277.9	296.8	275.3	253.6	232.1	210.4	188.8
102.5°	407.2	450.7	494.3	538.0	581.5	625.1	579.2	533.5	487.4	441.5	395.6
105°	761.5	831.2	900.9	970.7	1040.4	1110.4	1035.9	961.5	887.0	812.6	738.1
107.5°	1122.9	1190.8	1259.0	1327.0	1395.0	1463.2	1387.8	1312.1	1236.8	1161.1	1085.5
110°	1330.5	1371.3	1412.2	1453.1	1493.8	1534.9	1479.7	1424.7	1369.5	1314.3	1259.2



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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°	1370.0	1390.6	1410.8	1431.5	1451.8	1472.3	1432.8	1393.6	1354.0	1314.6	1275.0
115°	1285.4	1291.8	1298.4	1304.8	1311.2	1317.7	1291.1	1264.5	1237.9	1211.2	1184.4
117.5°	1129.4	1128.3	1127.0	1125.9	1124.5	1123.3	1108.3	1093.4	1078.4	1063.4	1048.4
120°	971.5	965.9	960.3	954.7	949.1	943.4	937.1	930.6	924.1	917.6	911.2
122.5°	833.9	830.1	826.0	822.1	818.0	814.0	811.5	809.0	806.4	803.8	801.0
125°	725.1	724.7	724.4	724.1	723.6	723.3	721.9	720.6	719.0	717.8	716.2
127.5°	650.4	652.6	654.7	656.9	658.9	661.2	660.7	660.2	659.7	659.2	658.7
130°	603.5	607.6	611.6	615.4	619.2	623.4	622.3	621.5	620.6	619.7	618.9
132.5°	574.7	579.3	584.0	588.8	593.2	597.7	596.6	595.8	594.5	593.6	592.3
135°	554.8	559.3	563.5	568.0	572.2	576.5	575.2	573.9	572.5	571.3	570.0
137.5°	540.4	544.0	547.3	550.8	554.1	557.5	556.1	554.8	553.4	552.2	550.9
140°	529.1	531.8	534.5	537.2	539.8	542.4	540.7	539.3	537.6	536.0	534.3
142.5°	519.8	521.8	523.6	525.7	527.5	529.5	527.3	525.2	523.0	520.9	518.7
145°	514.2	515.6	516.8	518.0	518.9	520.3	517.7	515.4	512.7	510.5	507.9
147.5°	505.8	506.6	507.1	507.8	508.2	509.0	506.7	504.4	502.0	499.7	497.3
150°	496.4	497.2	497.7	498.4	498.9	499.6	497.1	494.8	492.2	489.9	487.5
152.5°	485.0	485.6	486.1	486.6	487.2	487.7	485.3	483.3	480.9	478.6	476.3
155°	476.4	476.9	477.1	477.5	477.6	477.9	475.9	474.1	472.3	470.3	468.4
157.5°	470.6	471.0	471.3	471.5	471.7	472.0	470.4	469.0	467.5	466.1	464.6
160°	466.6	466.9	467.2	467.4	467.7	467.7	466.4	465.4	464.1	462.8	461.5
162.5°	465.2	465.8	466.2	466.7	467.1	467.5	466.0	464.6	463.1	461.7	460.2
165°	463.8	464.1	464.4	464.7	464.8	465.0	464.0	463.0	462.0	461.1	459.9
167.5°	465.2	465.6	465.8	466.1	466.2	466.4	465.4	464.4	463.3	462.3	461.2
170°	465.0	465.4	465.9	466.4	466.7	467.0	466.3	465.5	464.6	463.8	462.8
172.5°	467.3	467.7	467.9	468.4	468.5	468.9	468.2	467.3	466.5	465.6	464.6
175°	465.9	466.0	466.2	466.2	466.2	466.3	465.6	464.9	464.3	463.6	462.9
177.5°	467.1	467.1	467.1	467.0	467.0	467.0	466.5	466.1	465.6	465.2	464.6
180°	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7



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CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6
2.5°	25975.8	25964.5	25957.2	25948.0	25942.3	25935.1	25929.8	25925.4	25921.7	25918.4	25915.8
5°	26341.0	26282.9	26237.9	26189.1	26149.0	26109.1	26078.2	26052.7	26035.1	26021.8	26014.1
7.5°	26806.1	26699.8	26605.2	26505.8	26416.6	26328.9	26253.3	26188.1	26139.2	26107.6	26088.3
10°	27221.4	27079.1	26938.4	26790.3	26649.8	26513.6	26387.9	26277.3	26189.8	26131.7	26097.7
12.5°	27407.5	27286.3	27142.6	26981.8	26809.7	26635.6	26465.8	26312.8	26184.3	26098.2	26048.4
15°	27243.6	27193.8	27096.3	26971.5	26808.1	26628.1	26428.9	26241.6	26069.2	25957.5	25892.8
17.5°	26710.2	26779.7	26772.2	26724.5	26607.1	26455.5	26252.5	26042.1	25826.6	25677.2	25595.6
20°	25810.2	26028.5	26139.2	26196.1	26150.0	26051.7	25867.8	25654.4	25403.1	25208.1	25089.1
22.5°	24545.4	24930.8	25171.0	25346.7	25384.0	25350.5	25188.2	24985.1	24705.1	24470.7	24295.0
25°	22917.0	23481.8	23861.4	24159.0	24274.6	24304.4	24166.3	23964.4	23652.2	23379.1	23137.8
27.5°	20999.1	21733.0	22239.9	22639.8	22820.2	22898.5	22771.4	22565.3	22196.0	21870.0	21554.7
30°	18840.1	19710.6	20320.9	20800.4	21020.5	21123.8	20988.7	20758.8	20329.0	19936.8	19539.6
32.5°	16529.1	17481.7	18146.7	18667.5	18885.5	18982.8	18806.1	18547.8	18051.0	17589.0	17125.7
35°	14109.5	15071.1	15741.7	16248.6	16431.4	16490.0	16264.0	15965.4	15415.1	14907.9	14402.9
37.5°	11640.7	12535.3	13144.9	13599.7	13712.8	13722.9	13450.6	13120.9	12542.5	12042.4	11539.6
40°	9193.2	9947.7	10439.9	10803.9	10843.2	10808.1	10512.1	10180.2	9639.2	9191.2	8749.7
42.5°	6887.8	7457.4	7808.4	8057.9	8043.1	7973.9	7702.5	7417.3	6970.8	6629.6	6282.3
45°	4912.8	5288.3	5493.6	5639.6	5592.7	5526.8	5315.5	5115.6	4812.2	4591.8	4358.4
47.5°	3412.9	3861.3	3783.3	4068.8	3822.8	3985.3	3647.0	3460.5	3299.5	3182.4	3050.5
50°	2443.3	2546.2	2595.8	2629.7	2611.7	2586.6	2525.9	2471.6	2398.0	2344.4	2281.9
52.5°	1887.0	1938.3	1966.4	1986.9	1982.8	1973.7	1947.3	1923.0	1888.6	1865.9	1838.5
55°	1598.4	1599.1	1650.8	1628.6	1661.4	1623.0	1638.1	1595.5	1602.5	1565.9	1541.3
57.5°	1328.1	1349.3	1358.7	1367.8	1365.3	1363.7	1353.4	1348.3	1336.7	1333.1	1324.9
60°	1168.3	1179.3	1181.6	1185.8	1182.3	1180.9	1172.9	1170.0	1162.2	1160.9	1155.4
62.5°	1058.7	1064.3	1064.3	1064.3	1059.7	1055.4	1046.4	1041.7	1035.1	1033.7	1030.5
65°	967.2	973.0	974.0	975.2	971.9	968.4	960.6	955.6	948.8	946.1	942.5
67.5°	872.8	879.0	881.1	884.2	882.4	881.7	876.3	874.3	869.8	868.7	865.4
70°	798.6	801.2	801.0	800.9	796.7	793.0	786.8	783.9	779.1	778.2	775.1
72.5°	754.5	756.4	755.2	753.6	748.1	742.6	735.3	729.9	723.8	720.0	715.7
75°	692.4	694.9	693.3	692.2	687.4	683.8	677.9	674.9	670.6	669.4	666.4
77.5°	616.2	617.4	614.9	614.6	610.9	608.5	604.1	603.4	600.3	600.3	597.4
80°	531.3	530.6	526.7	525.9	522.2	521.2	517.8	518.0	515.5	516.5	514.5
82.5°	437.2	434.9	429.6	428.0	423.8	423.4	421.0	423.0	421.4	423.8	422.4
85°	313.3	313.9	311.7	311.7	310.4	310.8	310.6	312.1	312.3	314.3	314.2
87.5°	174.6	177.2	176.7	179.0	178.9	181.5	182.3	186.1	186.6	190.2	190.2
90°	97.4	98.7	95.2	96.7	95.1	97.9	97.0	99.7	98.3	100.6	98.3
92.5°	85.9	80.1	74.4	68.5	65.5	62.5	59.9	56.7	53.9	50.9	47.9
95°	108.3	98.5	88.7	78.9	75.5	72.1	68.8	65.4	62.0	58.6	55.3
97.5°	122.3	110.7	99.1	87.5	84.6	81.7	78.7	75.8	72.9	70.0	67.1
100°	167.1	145.5	123.9	102.2	99.7	97.2	94.8	92.3	89.9	87.3	84.9
102.5°	349.7	303.6	257.7	211.7	202.9	194.3	185.6	176.8	168.1	159.4	150.7
105°	663.6	589.1	514.6	440.1	416.4	392.7	369.0	345.3	321.6	297.9	274.3
107.5°	1009.9	934.2	858.6	783.0	739.4	695.6	651.8	607.9	564.3	520.4	476.7
110°	1204.0	1148.7	1093.5	1038.1	1003.0	967.7	932.5	897.2	861.9	826.6	791.3



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CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1235.5	1195.9	1156.4	1116.7	1100.7	1084.7	1068.8	1052.8	1036.8	1020.7	1004.7
115°	1157.7	1131.0	1104.2	1077.3	1071.7	1066.0	1060.4	1054.6	1048.9	1043.1	1037.3
117.5°	1033.4	1018.3	1003.2	988.1	989.0	989.8	990.6	991.4	992.2	992.9	993.6
120°	904.6	898.1	891.6	885.0	889.8	894.6	899.3	903.9	908.5	913.0	917.5
122.5°	798.5	795.8	793.3	790.4	796.2	801.9	807.5	813.2	818.7	824.1	829.5
125°	714.9	713.3	712.0	710.3	716.2	721.9	727.7	733.2	738.9	744.2	749.7
127.5°	658.2	657.7	657.1	656.6	660.8	664.7	668.7	672.6	676.5	680.1	683.8
130°	618.0	617.0	616.2	615.2	618.9	622.6	626.2	629.4	633.0	636.1	639.3
132.5°	591.3	590.2	589.2	588.0	590.5	593.1	595.7	597.9	600.3	602.3	604.4
135°	568.7	567.4	566.0	564.6	567.1	569.4	571.8	573.8	576.0	577.8	579.7
137.5°	549.5	548.1	546.7	545.4	547.6	549.7	551.7	553.5	555.3	557.1	558.6
140°	532.8	531.0	529.6	527.9	529.8	531.5	533.4	535.0	536.7	538.1	539.6
142.5°	516.7	514.3	512.5	510.2	511.5	512.7	514.0	515.2	516.5	517.5	518.3
145°	505.6	502.9	500.7	498.0	499.1	500.1	501.2	502.1	502.8	503.5	504.3
147.5°	495.2	492.6	490.2	487.8	488.8	489.4	490.1	490.5	491.3	491.7	492.2
150°	485.0	482.4	479.8	477.4	478.1	478.6	479.2	479.7	480.3	480.6	481.1
152.5°	473.9	471.6	469.2	466.8	467.3	467.7	468.2	468.5	469.0	469.3	469.7
155°	466.3	464.3	462.3	460.3	460.8	461.2	461.6	461.9	462.2	462.4	462.7
157.5°	463.0	461.3	459.9	458.1	458.2	458.3	458.6	458.4	458.5	458.4	458.4
160°	460.3	458.8	457.5	456.1	456.1	456.1	456.4	456.2	456.2	456.0	456.0
162.5°	458.6	457.1	455.4	453.7	453.7	453.9	453.9	453.8	453.9	453.7	453.6
165°	458.9	457.7	456.6	455.3	455.2	455.0	454.9	454.6	454.4	454.0	453.7
167.5°	460.0	458.9	457.6	456.5	456.6	456.8	456.8	456.7	456.8	456.6	456.6
170°	462.0	461.0	460.1	459.1	458.9	458.8	458.6	458.4	458.1	457.9	457.6
172.5°	463.6	462.8	461.8	460.7	460.7	460.6	460.4	460.3	460.1	459.9	459.8
175°	462.2	461.6	460.7	460.0	459.9	459.8	459.7	459.6	459.4	459.3	459.1
177.5°	464.2	463.7	463.1	462.7	462.6	462.6	462.5	462.4	462.4	462.3	462.2
180°	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7	464.7



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CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	25813.6	25813.6
2.5°	25913.6	25912.2
5°	26009.9	26008.4
7.5°	26083.2	26082.7
10°	26091.8	26096.3
12.5°	26039.8	26043.4
15°	25887.8	25894.8
17.5°	25597.1	25606.4
20°	25096.3	25106.1
22.5°	24285.5	24289.5
25°	23106.5	23089.8
27.5°	21499.3	21470.5
30°	19456.2	19428.3
32.5°	17020.1	17002.7
35°	14278.0	14267.0
37.5°	11391.0	11368.7
40°	8588.4	8523.1
42.5°	6130.1	6015.7
45°	4236.5	4100.7
47.5°	2957.4	2873.6
50°	2241.7	2214.6
52.5°	1826.5	1820.3
55°	1541.2	1538.4
57.5°	1326.8	1325.8
60°	1158.3	1158.0
62.5°	1032.7	1033.2
65°	944.2	944.4
67.5°	866.3	865.7
70°	776.3	775.6
72.5°	714.2	713.2
75°	666.4	665.8
77.5°	598.3	597.2
80°	515.8	514.5
82.5°	424.2	422.8
85°	316.5	316.6
87.5°	193.6	193.5
90°	100.4	97.7
92.5°	45.3	42.5
95°	52.0	48.6
97.5°	64.2	61.3
100°	82.4	80.0
102.5°	142.0	133.3
105°	250.6	226.9
107.5°	432.9	389.2
110°	756.1	720.8



TEST NUMBER: P1444599
CATALOG NUMBER: EHBR1-30-UNV-TA-L850-UPL36

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	988.6	972.5
115°	1031.3	1025.5
117.5°	994.2	994.8
120°	921.9	926.3
122.5°	834.7	839.9
125°	754.8	760.1
127.5°	687.2	690.5
130°	642.0	645.1
132.5°	606.3	607.9
135°	581.2	582.8
137.5°	559.9	561.3
140°	540.5	541.7
142.5°	519.1	519.8
145°	504.9	505.4
147.5°	492.2	492.6
150°	481.2	481.5
152.5°	469.7	470.0
155°	462.7	462.8
157.5°	458.1	458.0
160°	455.7	455.6
162.5°	453.4	453.3
165°	453.2	452.8
167.5°	456.4	456.4
170°	457.3	457.2
172.5°	459.5	459.3
175°	459.0	458.9
177.5°	462.2	462.0
180°	464.7	464.7

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



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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-4

Test Date: 07/31/2025

Luminaire Tested: EHBR-60-L850-N

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

Test Information

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

Spectral Parameters

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

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



Test Conditions

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

REPORT NUMBER: SP1-2506-472-4

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

REPORT NUMBER: SP1-2506-472-4

CIE 1931 Chromaticity Diagram



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

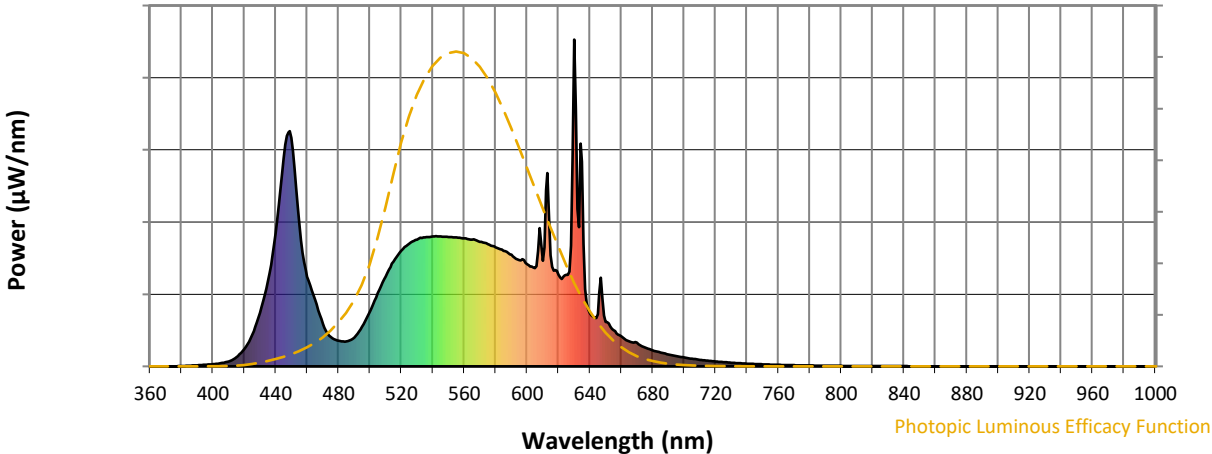


CCT = 4875K
 CIE x = 0.3488
 CIE y = 0.3555
 Duv = 0.0005

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-4

Photopic Flux vs. Wavelength



Photopic Lumens: NR

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

REPORT NUMBER: SP1-2506-472-4

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.82

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

REPORT NUMBER: SP1-2506-472-4

Melanopic Flux vs. Wavelength



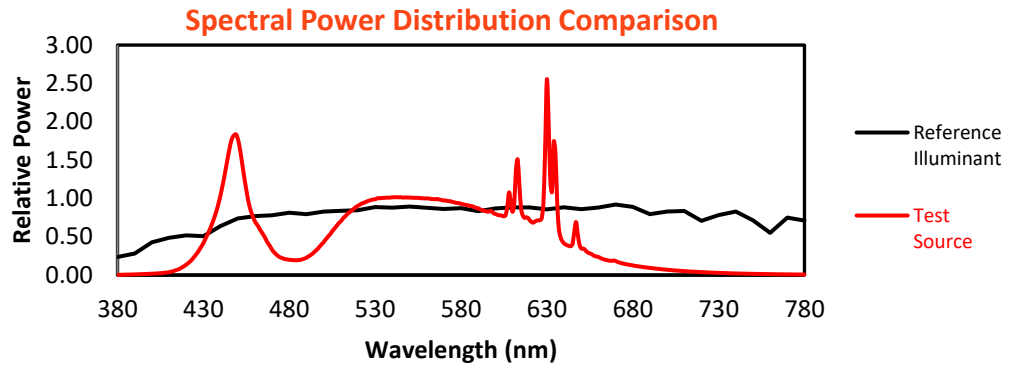
Melanopic Lumens: NR

M/P: 3.71

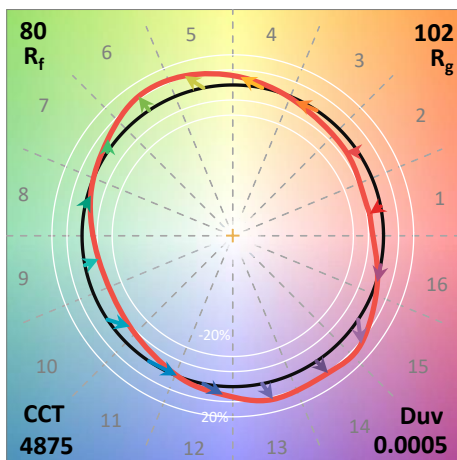
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	89	NR	620	280	NR	750	6	NR	880	0	NR
365	0	NR	495	121	NR	625	280	NR	755	5	NR	885	0	NR
370	0	NR	500	168	NR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

Summary

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

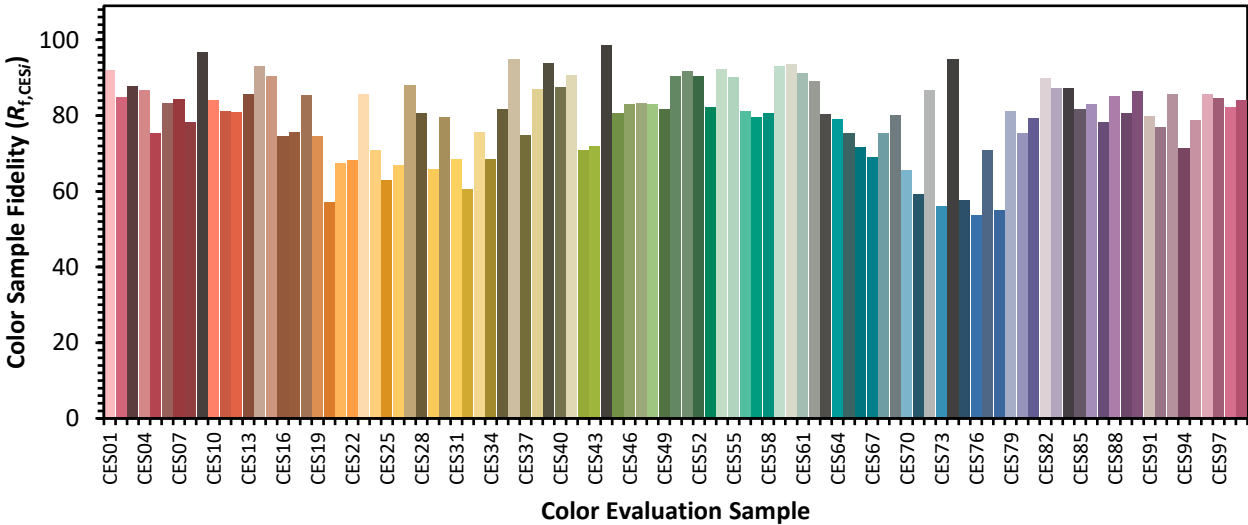


Color Vector Graphics

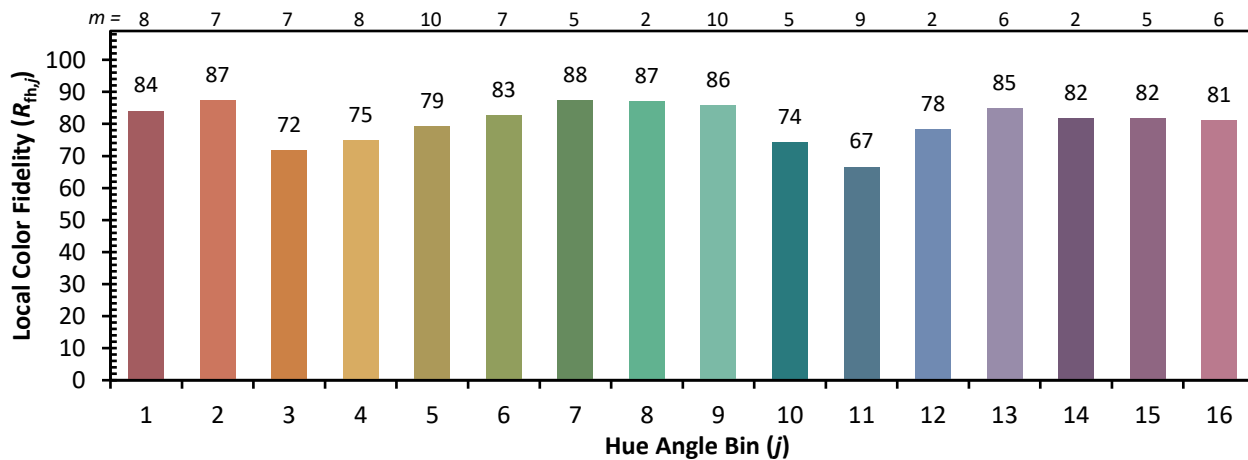
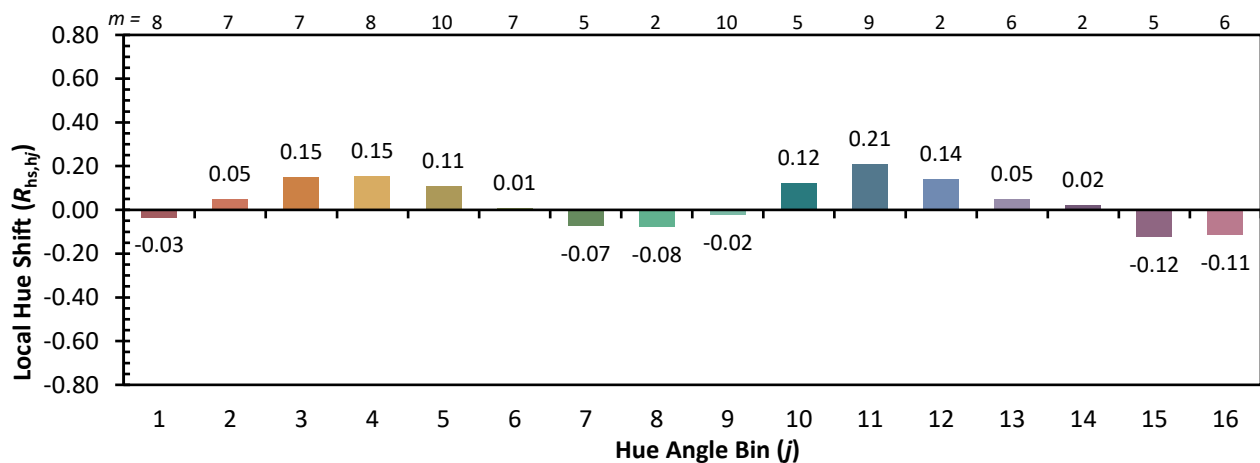
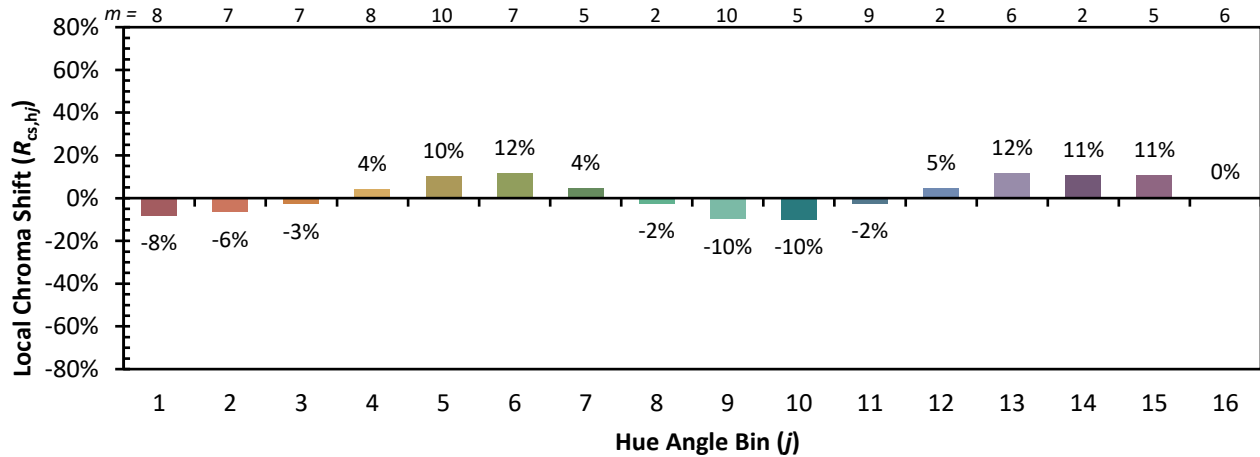


Individual Sample Fidelity Index ($R_{f,i}$)

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



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)