

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: P1444654

Luminaire Tested: EHBR1-18-UNV-TA-L930-UPL30

Issue Date: 5/1/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1444654  
REPORT IS A COMBINATION OF REPORTS P1444337 AND P1431635  
Test Lab: INNOVATION CENTER  
Issue Date: 5/1/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: EHBR1-18-UNV-TA-L930-UPL30  
Description: Elevate Round Highbay at, 18000 lumens, 3000K 90CRI LEDs with TA lens  
Light Source: -  
Ballast/Driver: -

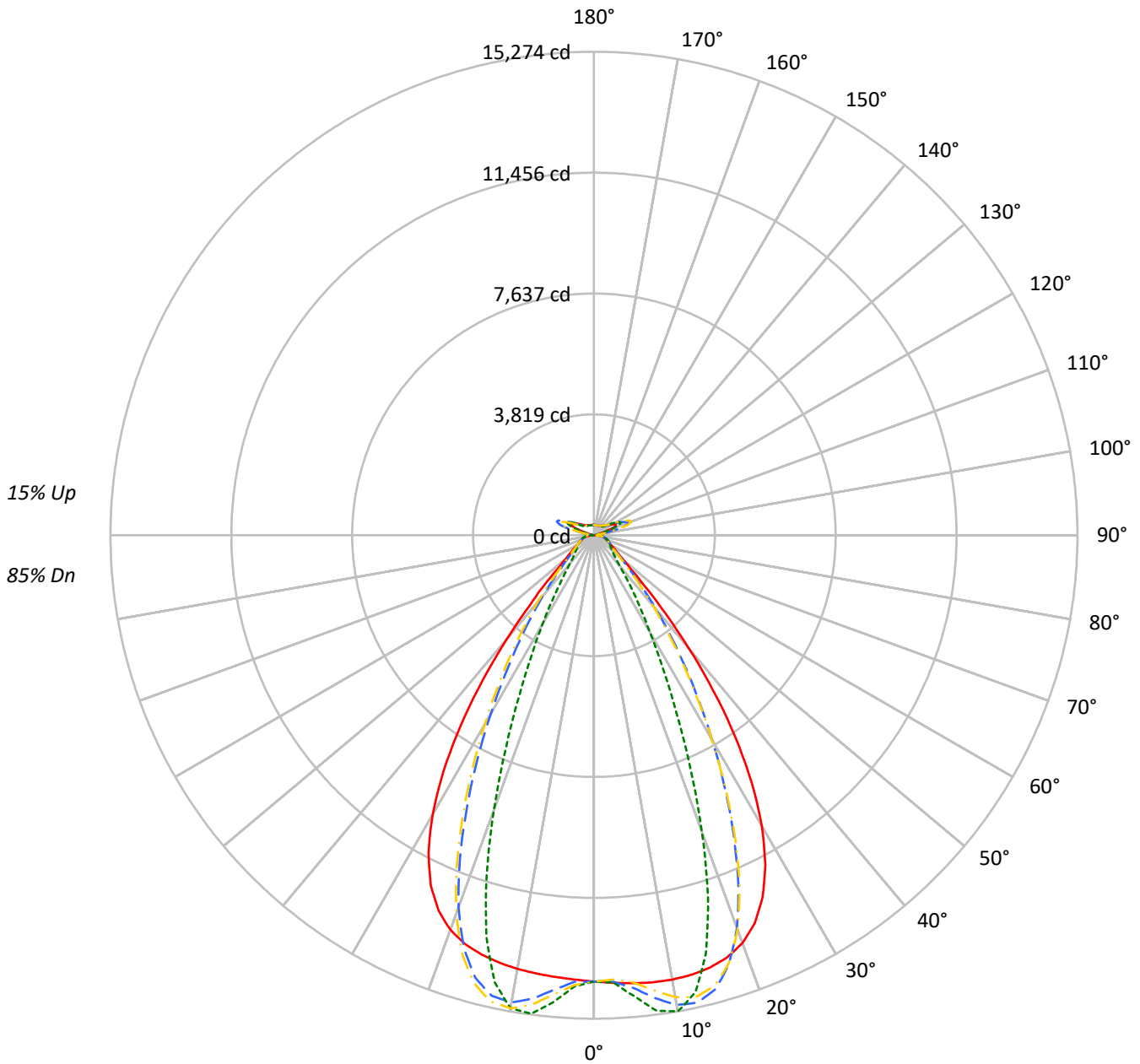
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19041.0 lumens  
Efficiency: N/A  
Efficacy: 163.2 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 0.77 / 0.88  
Luminous Opening: Vertical Cylinder (Dia: 1.71' x H: 0.1')  
CIE Type: Semi-Direct

Input Watts (W): 116.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P1444654  
CATALOG NUMBER: EHBR1-18-UNV-TA-L930-UPL30

### 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	111	111	111	111	103	103	103	95	95	95	88	88	88	88	88	88	85
1	108	105	102	99	104	101	98	96	94	92	90	88	86	85	82	81	80	80	80	80	77
2	101	95	90	86	98	92	88	84	87	83	80	81	79	76	76	74	72	72	72	72	70
3	95	87	81	77	92	85	79	75	80	75	72	75	72	69	71	68	66	66	66	66	64
4	89	80	74	69	86	78	72	67	74	69	65	70	66	63	67	63	61	61	61	61	58
5	84	74	67	62	81	72	66	61	69	63	59	65	61	58	62	59	56	56	56	56	54
6	79	69	62	57	76	67	61	56	64	59	55	61	57	53	58	55	52	52	52	52	50
7	74	64	57	52	72	62	56	52	60	54	50	57	53	49	55	51	48	48	48	48	46
8	70	60	53	48	68	58	52	48	56	51	47	54	49	46	52	48	45	45	45	45	43
9	67	56	49	45	65	55	49	44	53	47	44	51	46	43	49	45	42	42	42	42	40
10	63	52	46	42	61	51	45	41	50	44	41	48	43	40	46	42	39	39	39	39	38

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	66209	66209	66209	66209
5°	66530	68470	65599	69367
10°	67085	71888	65477	71413
15°	67414	65166	65362	62542
20°	66718	48546	64534	44917
25°	63150	30703	61063	27857
30°	55167	18450	53030	16862
35°	42457	11578	40015	10256
40°	26858	7262	24572	6824
45°	13843	5658	13613	5564
50°	8116	5032	7867	4954
55°	6218	4761	5988	4718
60°	5261	4864	5037	4801
65°	4942	5079	4752	4905
70°	4828	5319	4587	5118
75°	5162	5641	4883	5392
80°	5342	6246	4843	5703
85°	5031	6026	4065	5159

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 25°  
 Vertical Angle: 45°  
 Luminance: 21185 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1389.5	7.3
10°-20°	3908.7	20.5
20°-30°	4451.7	23.4
30°-40°	3199.7	16.8
40°-50°	1475.7	7.8
50°-60°	706.2	3.7
60°-70°	515.3	2.7
70°-80°	391.5	2.1
80°-90°	182.9	1.0
90°-100°	77.3	0.4
100°-110°	478.0	2.5
110°-120°	883.6	4.6
120°-130°	531.8	2.8
130°-140°	330.5	1.7
140°-150°	236.1	1.2
150°-160°	158.6	0.8
160°-170°	92.8	0.5
170°-180°	31.2	0.2
0°-30°	9749.9	51.2
0°-40°	12949.6	68.0
0°-60°	15131.5	79.5
0°-90°	16221.1	85.2
90°-120°	1438.9	7.6
90°-150°	2537.3	13.3
90°-180°	2820.0	14.8
0°-180°	19041.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	14099	14099	14099	14099	14099	
5°	14205	14619	14006	14811	14205	1357
15°	14143	13672	13713	13121	14143	3985
25°	12611	6131	12194	5563	12611	5717
35°	7792	2125	7344	1882	7792	4782
45°	2240	915	2203	900	2240	1905
55°	840	643	809	638	840	776
65°	516	530	496	512	516	515
75°	364	397	344	380	364	378
85°	173	207	140	177	173	162
90°	59	71	25	28	59	35
95°	36	40	36	40	36	34
105°	169	221	112	221	169	225
115°	767	938	804	938	767	708
125°	564	604	641	605	564	514
135°	427	390	461	392	427	334
145°	366	365	391	367	366	231
155°	331	337	355	339	331	154
165°	321	324	334	325	321	91
175°	323	327	330	328	323	31
180°	327	327	327	327	327	



TEST NUMBER: P1444654  
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**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8
2.5°	14152.7	14151.6	14151.4	14150.4	14150.1	14150.1	14149.6	14148.4	14147.7	14146.1	14144.3
5°	14205.2	14204.6	14204.9	14205.0	14204.0	14201.9	14198.4	14194.2	14188.9	14183.8	14179.4
7.5°	14245.8	14246.8	14248.1	14247.8	14244.7	14239.5	14232.5	14228.6	14230.9	14238.5	14256.1
10°	14253.2	14259.3	14261.6	14260.9	14254.8	14250.3	14252.1	14267.0	14296.7	14336.4	14390.7
12.5°	14224.4	14231.8	14231.5	14229.1	14223.1	14229.2	14250.8	14295.2	14359.0	14437.3	14529.0
15°	14143.2	14152.8	14150.1	14146.9	14142.9	14162.9	14206.1	14283.3	14381.7	14492.1	14605.0
17.5°	13985.6	13997.3	13991.6	13988.0	13984.6	14022.0	14096.2	14209.3	14333.3	14458.1	14565.0
20°	13712.4	13720.2	13706.7	13700.4	13705.7	13778.9	13888.2	14032.6	14163.3	14281.3	14354.5
22.5°	13266.4	13276.1	13250.9	13247.9	13279.0	13391.3	13529.7	13691.2	13814.0	13907.5	13935.6
25°	12611.1	12620.7	12590.7	12608.6	12661.6	12814.5	12979.4	13152.1	13256.8	13326.1	13306.9
27.5°	11726.8	11735.4	11707.0	11743.6	11827.4	12028.3	12222.2	12409.6	12503.0	12551.5	12490.0
30°	10611.3	10629.3	10595.7	10646.8	10774.7	11035.6	11257.8	11467.8	11560.9	11597.9	11502.2
32.5°	9286.6	9312.2	9275.2	9351.1	9529.5	9842.9	10095.4	10330.1	10433.0	10475.3	10367.1
35°	7792.3	7829.1	7786.7	7900.7	8120.7	8469.7	8749.2	9011.3	9133.2	9193.0	9084.1
37.5°	6209.3	6244.4	6221.4	6373.5	6615.1	6976.8	7262.2	7544.8	7682.6	7772.3	7686.4
40°	4655.1	4687.2	4704.6	4878.5	5105.8	5446.7	5720.8	6000.5	6154.6	6267.2	6214.2
42.5°	3285.6	3318.0	3377.1	3545.0	3734.4	4016.6	4251.4	4502.6	4649.8	4769.9	4749.4
45°	2239.7	2277.3	2351.4	2488.8	2625.8	2828.4	3000.7	3196.1	3316.3	3426.3	3427.6
47.5°	1569.5	1595.9	1662.1	1755.9	1845.3	2098.7	2109.1	2205.1	2286.0	2368.2	2378.9
50°	1209.5	1225.5	1260.6	1312.9	1363.5	1429.3	1489.5	1559.1	1608.9	1654.0	1664.7
52.5°	994.2	1004.3	1022.1	1050.5	1079.9	1115.6	1147.9	1186.1	1213.1	1237.3	1242.3
55°	840.3	848.6	875.2	880.6	914.2	920.6	935.0	958.2	974.0	988.5	992.0
57.5°	724.1	730.2	735.8	747.8	758.3	773.2	785.4	802.0	812.0	822.4	823.3
60°	632.4	636.8	640.9	649.2	656.3	666.8	675.1	686.4	693.6	701.4	702.3
62.5°	564.3	567.4	570.1	575.6	580.7	588.7	595.3	604.7	611.4	617.5	618.8
65°	515.8	518.1	519.8	524.0	528.4	535.2	541.2	548.9	553.8	558.5	559.5
67.5°	472.8	475.1	476.8	480.6	483.6	488.8	492.8	498.6	502.2	506.0	506.1
70°	423.6	425.6	427.0	430.6	433.0	437.4	440.7	445.8	449.7	453.8	454.8
72.5°	389.5	390.8	392.5	395.8	399.2	403.9	408.2	413.7	418.2	422.5	424.4
75°	363.6	365.0	366.3	369.0	371.3	375.3	378.6	383.5	387.5	392.1	394.3
77.5°	326.2	327.9	328.8	331.7	333.6	337.5	339.9	344.3	347.5	351.7	353.8
80°	281.0	282.5	283.3	285.9	287.5	291.0	293.4	297.6	300.3	304.5	307.0
82.5°	230.9	232.3	232.8	235.3	236.2	239.0	240.7	245.2	248.4	253.9	257.6
85°	172.9	173.4	174.2	173.6	177.2	177.3	181.3	182.1	187.2	188.7	194.6
87.5°	105.7	107.3	108.1	110.5	111.5	113.9	114.6	117.2	118.6	121.6	122.9
90°	58.7	62.1	63.9	67.6	69.3	72.9	74.5	78.2	80.0	83.9	86.8
92.5°	31.0	33.2	35.4	37.7	39.9	42.3	44.7	47.0	49.3	51.7	56.1
95°	35.6	38.1	40.6	43.2	45.7	48.2	50.7	53.3	55.8	58.3	65.6
97.5°	44.9	47.1	49.3	51.5	53.6	55.9	58.0	60.2	62.4	64.6	73.3
100°	59.0	60.9	62.6	64.5	66.4	68.2	70.0	71.9	73.7	75.6	91.8
102.5°	98.7	105.2	111.8	118.3	124.9	131.4	138.0	144.5	151.0	157.6	192.0
105°	169.0	186.7	204.5	222.3	240.0	257.8	275.5	293.3	311.0	328.7	384.8
107.5°	290.5	323.3	356.2	389.1	422.0	454.8	487.7	520.5	553.4	586.2	643.0
110°	539.3	565.7	592.3	618.6	645.2	671.7	698.1	724.4	751.0	777.3	818.9



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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°	727.9	739.9	751.9	764.0	775.9	787.9	799.9	811.9	823.9	835.8	865.6
115°	767.2	771.5	775.7	779.9	784.3	788.5	792.8	796.9	801.2	805.3	825.6
117.5°	743.4	742.7	742.1	741.5	740.8	740.2	739.6	738.8	738.1	737.4	748.8
120°	691.1	687.5	684.1	680.5	677.0	673.3	669.9	666.3	662.7	659.0	664.0
122.5°	625.5	621.2	617.1	612.7	608.5	604.2	599.9	595.5	591.2	586.9	588.9
125°	564.4	560.2	556.1	551.7	547.4	543.0	538.7	534.3	530.0	525.6	526.8
127.5°	511.2	508.4	505.5	502.3	499.4	496.3	493.2	490.1	487.1	483.9	484.4
130°	476.1	473.6	470.9	468.2	465.6	462.8	460.0	457.2	454.5	451.6	452.4
132.5°	447.1	445.4	443.6	441.7	439.9	437.9	436.0	433.9	432.0	430.0	430.9
135°	427.2	425.5	424.0	422.3	420.6	418.7	416.9	415.0	413.1	411.3	412.3
137.5°	410.1	408.8	407.3	405.6	404.1	402.3	400.8	399.0	397.4	395.6	396.6
140°	394.4	393.2	391.9	390.4	389.1	387.6	386.1	384.5	383.0	381.4	382.7
142.5°	377.1	376.1	375.2	374.1	373.1	371.9	370.7	369.5	368.4	367.1	368.8
145°	365.5	364.7	364.0	363.1	362.2	361.3	360.3	359.1	358.3	357.3	359.0
147.5°	355.3	354.7	354.0	353.4	352.8	351.9	351.1	350.3	349.6	348.7	350.4
150°	346.4	345.8	345.2	344.7	343.9	343.2	342.4	341.7	340.9	340.1	341.8
152.5°	337.1	336.5	336.0	335.4	334.7	333.9	333.3	332.6	331.9	331.1	332.6
155°	331.1	330.5	329.9	329.4	328.7	328.0	327.3	326.7	326.0	325.2	326.4
157.5°	326.9	326.4	326.0	325.4	325.1	324.6	324.1	323.6	323.1	322.6	323.5
160°	324.4	323.9	323.5	322.9	322.5	322.1	321.6	321.1	320.6	320.1	320.8
162.5°	321.9	321.3	320.9	320.5	320.0	319.6	319.1	318.7	318.2	317.7	318.6
165°	320.7	320.5	320.3	320.0	319.7	319.5	319.2	318.9	318.7	318.3	318.9
167.5°	322.7	322.2	321.9	321.4	321.1	320.7	320.3	319.8	319.6	319.0	319.7
170°	322.8	322.5	322.3	322.1	322.0	321.8	321.6	321.3	321.2	321.0	321.5
172.5°	323.9	323.7	323.6	323.5	323.3	323.1	323.0	322.9	322.8	322.5	323.2
175°	323.3	323.1	323.0	322.9	322.9	322.8	322.7	322.6	322.6	322.4	322.9
177.5°	325.4	325.3	325.3	325.3	325.3	325.2	325.2	325.1	325.0	325.0	325.3
180°	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2



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**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8
2.5°	14142.9	14141.2	14138.9	14135.9	14133.3	14130.3	14123.3	14121.2	14123.6	14125.1	14128.4
5°	14176.5	14177.5	14177.9	14184.4	14189.9	14203.7	14312.1	14355.3	14388.6	14409.8	14441.9
7.5°	14277.8	14310.4	14342.7	14386.1	14423.4	14474.0	14663.8	14744.6	14802.0	14843.3	14894.1
10°	14449.6	14520.8	14587.4	14665.7	14732.8	14809.8	14986.5	15065.2	15114.8	15151.0	15184.7
12.5°	14622.5	14721.2	14810.4	14897.4	14970.2	15036.9	15099.0	15126.6	15128.9	15130.0	15112.1
15°	14712.6	14807.0	14885.5	14943.1	14985.8	15004.7	14897.8	14841.7	14770.7	14712.4	14616.2
17.5°	14655.8	14712.4	14746.3	14742.9	14725.3	14666.1	14363.2	14196.6	14031.1	13882.1	13686.6
20°	14403.0	14398.7	14369.2	14285.5	14184.7	14028.0	13508.5	13208.9	12919.1	12664.7	12356.0
22.5°	13932.8	13858.8	13755.6	13575.3	13374.9	13101.0	12356.7	11915.9	11512.5	11156.3	10757.1
25°	13251.5	13099.3	12909.0	12622.6	12311.3	11911.9	10994.4	10446.2	9961.9	9541.9	9081.3
27.5°	12379.5	12150.2	11871.4	11475.1	11053.2	10541.6	9524.4	8919.3	8399.5	7949.2	7459.0
30°	11347.2	11049.1	10689.0	10197.1	9688.3	9107.9	8076.3	7463.5	6937.3	6474.0	5983.5
32.5°	10180.6	9831.4	9409.5	8857.5	8307.1	7710.4	6714.2	6121.0	5618.3	5172.6	4728.7
35°	8894.0	8519.5	8073.1	7510.0	6963.0	6382.9	5468.7	4933.9	4489.9	4096.0	3737.5
37.5°	7513.8	7146.0	6721.9	6191.1	5683.9	5158.2	4369.4	3921.2	3548.7	3221.7	2944.9
40°	6078.8	5757.0	5390.0	4931.1	4498.2	4060.4	3413.0	3057.1	2763.2	2513.8	2306.4
42.5°	4661.4	4412.0	4130.5	3767.9	3436.7	3103.3	2605.0	2341.4	2123.6	1944.1	1797.4
45°	3382.1	3215.1	3026.4	2774.3	2545.1	2312.6	1957.9	1772.7	1630.9	1515.1	1417.3
47.5°	2364.2	2267.4	2261.5	2028.6	1860.5	1718.3	1489.8	1372.8	1285.9	1215.8	1153.8
50°	1660.3	1613.5	1555.3	1472.2	1394.2	1313.8	1174.6	1103.9	1053.0	1010.5	971.3
52.5°	1241.2	1216.9	1185.9	1141.8	1099.6	1054.3	966.3	921.2	905.2	865.7	834.6
55°	991.4	977.4	959.8	933.9	908.2	897.9	822.4	788.9	767.8	752.2	735.5
57.5°	823.5	813.1	802.6	785.1	770.2	752.2	712.1	694.9	682.3	673.2	661.6
60°	702.4	696.2	690.4	680.0	672.0	662.3	636.8	627.2	620.6	615.1	607.7
62.5°	620.0	616.8	613.7	608.3	604.2	598.9	581.5	576.8	573.5	570.8	566.3
65°	560.4	558.1	556.5	552.9	550.8	547.7	532.7	529.6	527.6	526.6	524.0
67.5°	506.3	503.9	502.9	500.3	499.4	497.5	485.2	483.5	482.8	483.2	482.2
70°	455.8	454.8	455.3	454.9	456.1	456.4	449.0	449.0	449.8	451.3	451.5
72.5°	425.5	425.5	426.1	426.3	427.4	427.9	421.8	421.5	421.9	423.0	423.0
75°	396.6	397.1	398.7	399.2	400.5	400.7	392.6	391.7	391.7	392.8	392.5
77.5°	356.7	358.4	361.4	363.0	365.5	366.0	356.8	355.7	355.7	356.9	355.9
80°	311.5	314.8	319.5	322.8	326.6	328.2	318.8	316.5	314.5	314.1	312.3
82.5°	263.3	267.3	273.0	276.0	280.1	281.1	265.3	262.4	260.6	260.7	259.1
85°	201.0	204.1	209.2	210.9	213.4	213.2	195.2	187.6	189.6	186.4	188.9
87.5°	126.1	127.9	131.1	131.5	132.7	132.4	114.4	110.9	109.8	109.9	108.5
90°	91.7	95.0	99.8	101.9	105.7	107.5	94.8	95.1	92.1	91.1	87.6
92.5°	60.6	65.0	69.5	74.0	78.5	83.0	85.7	89.6	85.1	80.3	75.8
95°	73.0	80.3	87.7	95.1	102.5	109.8	117.2	124.6	117.7	110.9	104.0
97.5°	82.1	90.8	99.5	108.1	116.8	125.6	134.3	143.0	135.6	128.1	120.7
100°	108.0	124.3	140.5	156.8	173.1	189.4	205.6	221.9	207.6	193.3	179.0
102.5°	226.6	261.1	295.6	330.2	364.7	399.1	433.8	468.4	435.6	402.8	370.0
105°	440.8	496.7	552.8	608.6	664.6	720.6	776.7	832.7	780.4	727.9	675.5
107.5°	699.7	756.7	813.3	870.1	926.9	983.7	1040.8	1097.5	1046.5	995.2	944.3
110°	860.4	901.9	943.4	984.8	1026.2	1067.8	1109.6	1151.1	1120.4	1089.8	1059.1



TEST NUMBER: P1444654  
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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°	895.2	925.0	954.7	984.4	1014.0	1043.7	1073.9	1103.7	1088.4	1073.0	1057.9
115°	845.6	865.7	885.8	905.9	926.1	946.0	966.7	986.9	982.1	977.3	972.7
117.5°	760.1	771.5	782.9	794.1	805.3	816.7	828.8	840.3	841.2	842.3	843.4
120°	669.0	673.9	678.7	683.7	688.5	693.4	699.2	704.3	708.7	712.9	717.4
122.5°	591.0	593.0	595.0	597.1	599.0	601.0	604.1	606.3	609.4	612.6	615.7
125°	527.9	529.1	530.2	531.3	532.3	533.4	535.8	537.1	537.5	538.1	538.4
127.5°	484.9	485.3	485.8	486.2	486.6	487.0	488.8	489.4	488.0	486.5	485.0
130°	453.1	453.9	454.6	455.4	456.1	456.9	458.9	460.0	457.2	454.3	451.5
132.5°	431.8	432.6	433.5	434.4	435.3	436.2	438.5	439.8	436.5	433.2	429.9
135°	413.3	414.5	415.4	416.5	417.6	418.7	421.3	422.8	419.7	416.5	413.4
137.5°	397.6	398.8	399.8	400.9	402.0	403.1	405.9	407.3	404.9	402.4	400.0
140°	383.9	385.1	386.4	387.6	388.9	390.2	393.3	395.0	393.1	391.2	389.2
142.5°	370.2	371.9	373.5	375.1	376.8	378.5	382.0	384.1	382.8	381.3	380.1
145°	360.6	362.5	364.3	366.2	368.0	369.9	373.9	376.1	375.3	374.5	373.7
147.5°	351.8	353.6	355.3	356.9	358.7	360.6	364.5	366.8	366.3	365.9	365.5
150°	343.4	345.0	346.7	348.4	350.2	352.0	356.4	358.8	358.4	358.0	357.5
152.5°	334.0	335.5	337.1	338.6	340.2	341.9	346.7	349.1	348.8	348.3	348.1
155°	327.6	328.8	330.0	331.3	332.6	334.0	339.0	341.1	340.9	340.8	340.6
157.5°	324.3	325.3	326.1	327.0	327.9	329.0	333.9	336.0	335.7	335.5	335.4
160°	321.5	322.3	322.9	323.8	324.5	325.4	330.3	332.0	331.9	331.8	331.6
162.5°	319.4	320.5	321.3	322.2	323.1	324.1	329.2	331.2	330.9	330.5	330.3
165°	319.6	320.1	320.7	321.4	322.1	322.7	327.3	328.9	328.8	328.6	328.5
167.5°	320.3	320.9	321.5	322.1	322.9	323.6	327.9	329.5	329.4	329.2	329.1
170°	322.0	322.5	322.9	323.6	324.1	324.7	328.3	329.6	329.4	329.0	328.7
172.5°	323.7	324.3	324.8	325.4	326.0	326.6	329.7	331.0	330.8	330.5	330.2
175°	323.2	323.7	324.2	324.6	325.1	325.5	327.9	328.9	328.8	328.7	328.7
177.5°	325.6	325.9	326.2	326.6	327.0	327.2	328.7	329.4	329.3	329.3	329.2
180°	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2



TEST NUMBER: P1444654  
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**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8
2.5°	14129.1	14134.1	14134.8	14140.6	14140.2	14147.0	14145.9	14151.6	14148.3	14152.9	14149.0
5°	14461.0	14491.1	14506.8	14536.2	14545.4	14571.7	14579.1	14603.1	14604.1	14623.1	14618.8
7.5°	14930.1	14974.4	15000.8	15037.1	15055.5	15085.7	15099.1	15121.5	15128.7	15146.4	15147.8
10°	15210.3	15231.8	15246.9	15257.0	15266.3	15270.6	15275.6	15274.3	15275.6	15273.7	15278.0
12.5°	15100.1	15068.6	15047.9	15008.5	14985.6	14942.1	14920.7	14878.8	14863.7	14827.7	14822.5
15°	14542.0	14432.4	14354.9	14242.3	14171.4	14060.7	13995.8	13895.8	13850.2	13770.7	13749.8
17.5°	13524.7	13321.3	13163.8	12961.8	12821.6	12632.8	12514.1	12357.8	12272.2	12146.1	12102.6
20°	12098.6	11797.5	11561.3	11280.0	11078.6	10827.7	10667.0	10464.5	10346.8	10192.0	10129.3
22.5°	10424.3	10049.5	9754.4	9422.0	9179.1	8899.5	8707.0	8487.8	8359.9	8191.7	8117.2
25°	8698.6	8285.2	7957.2	7607.0	7350.3	7070.0	6877.5	6662.2	6529.7	6370.1	6296.2
27.5°	7048.1	6629.7	6312.7	5987.1	5751.6	5498.7	5325.0	5137.0	5019.5	4883.2	4813.6
30°	5591.6	5222.5	4952.8	4682.6	4486.7	4281.3	4136.9	3981.2	3878.1	3761.3	3695.0
32.5°	4405.0	4120.0	3908.8	3694.4	3534.1	3362.4	3237.7	3100.2	3007.1	2903.0	2842.9
35°	3488.6	3267.3	3098.8	2922.3	2784.5	2638.4	2528.4	2409.8	2326.3	2236.6	2184.7
37.5°	2756.4	2580.4	2441.7	2295.1	2182.0	2060.8	2020.0	1883.9	1797.3	1725.8	1676.2
40°	2163.2	2023.2	1908.6	1796.4	1704.1	1612.2	1538.6	1465.8	1410.0	1358.7	1323.3
42.5°	1689.3	1587.9	1504.2	1422.0	1354.7	1287.8	1234.3	1184.2	1146.6	1113.1	1090.3
45°	1342.9	1273.2	1215.0	1157.1	1109.6	1064.9	1029.0	997.0	972.7	952.6	938.4
47.5°	1103.2	1055.5	1014.4	975.4	943.2	913.9	889.8	882.0	855.9	838.2	831.5
50°	937.6	908.8	877.6	848.8	827.2	805.9	790.2	774.9	765.1	757.0	754.5
52.5°	814.0	792.0	774.6	756.3	742.1	726.9	716.1	706.0	700.5	696.3	695.8
55°	722.1	706.7	695.2	683.0	674.4	665.5	659.9	654.5	652.1	650.0	650.2
57.5°	652.5	642.2	634.8	626.8	622.2	617.9	616.5	615.2	615.9	616.2	617.4
60°	601.9	595.2	590.5	585.9	584.0	582.6	583.7	584.9	587.3	589.3	591.1
62.5°	563.0	559.2	556.9	554.5	554.2	554.4	556.4	558.5	561.6	563.8	565.6
65°	523.0	520.9	520.2	518.6	519.4	519.8	522.3	523.9	526.9	528.8	530.9
67.5°	482.6	482.1	482.6	482.6	484.0	485.2	487.6	489.4	492.0	493.7	495.5
70°	452.8	453.1	454.1	454.3	455.8	456.7	458.8	459.9	462.2	463.7	465.8
72.5°	423.8	423.4	423.6	422.9	423.5	423.2	424.4	425.0	426.9	428.0	430.7
75°	392.9	391.7	391.3	389.9	390.0	389.0	389.4	389.3	390.7	391.2	393.1
77.5°	355.7	353.4	352.4	350.0	350.0	349.1	350.0	350.6	352.9	354.0	356.2
80°	311.0	307.5	306.0	303.3	303.7	303.6	305.8	307.6	310.5	310.9	313.7
82.5°	258.5	255.0	253.4	250.7	251.3	251.3	253.4	253.8	256.2	257.3	260.4
85°	185.1	186.4	182.7	183.0	182.2	183.7	185.1	186.9	188.9	192.3	194.9
87.5°	109.0	108.5	109.9	110.0	111.8	112.9	115.9	117.6	121.0	123.7	128.5
90°	85.8	82.4	81.6	79.3	79.4	77.2	77.4	75.2	75.8	74.7	76.0
92.5°	70.9	66.4	61.5	56.9	52.1	47.6	45.3	43.2	40.9	38.9	36.5
95°	97.1	90.2	83.3	76.5	69.6	62.7	60.2	57.7	55.2	52.7	50.2
97.5°	113.4	106.0	98.6	91.3	83.9	76.5	74.8	73.1	71.5	69.8	68.1
100°	164.7	150.4	136.2	121.8	107.6	93.3	92.0	90.6	89.3	88.0	86.5
102.5°	337.3	304.6	271.9	239.1	206.4	173.6	167.9	162.2	156.5	150.8	145.1
105°	623.1	570.7	518.3	466.0	413.6	361.2	345.6	329.9	314.3	298.7	283.0
107.5°	893.2	841.9	791.0	739.9	688.9	637.8	613.0	588.3	563.6	539.0	514.3
110°	1028.3	997.7	967.2	936.4	905.8	875.3	851.7	828.2	804.5	781.1	757.6



TEST NUMBER: P1444654  
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**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	1042.5	1027.3	1012.0	996.7	981.5	966.3	954.9	943.4	932.0	920.5	909.0
115°	967.9	963.1	958.3	953.8	949.1	944.3	943.4	942.8	941.9	941.2	940.5
117.5°	844.4	845.5	846.5	847.7	848.8	849.9	856.1	862.3	868.6	874.8	881.2
120°	721.7	726.0	730.4	734.8	739.2	743.7	751.9	760.3	768.7	777.2	785.6
122.5°	618.8	621.9	625.0	628.3	631.5	634.6	642.9	651.2	659.5	667.9	676.5
125°	538.9	539.2	539.7	540.0	540.5	541.0	547.9	554.7	561.7	568.7	575.7
127.5°	483.6	482.0	480.6	479.2	477.6	476.2	480.3	484.6	488.8	493.1	497.3
130°	448.7	445.8	443.0	440.2	437.3	434.5	436.2	438.1	439.9	441.8	443.6
132.5°	426.5	423.2	419.8	416.4	413.0	409.7	410.0	410.2	410.5	410.7	411.2
135°	410.2	407.1	403.8	400.7	397.4	394.3	393.7	393.0	392.5	391.8	391.4
137.5°	397.5	395.1	392.5	390.1	387.6	385.2	384.0	383.2	382.1	381.3	380.5
140°	387.3	385.5	383.5	381.5	379.5	377.7	376.8	376.1	375.3	374.6	373.9
142.5°	378.6	377.1	375.8	374.4	372.9	371.6	370.7	370.0	369.4	368.7	368.0
145°	372.9	372.1	371.2	370.3	369.5	368.6	368.0	367.4	366.9	366.4	366.1
147.5°	364.9	364.6	364.0	363.6	363.1	362.5	362.2	362.0	361.5	361.4	361.0
150°	357.1	356.7	356.2	355.8	355.3	354.9	354.7	354.6	354.5	354.5	354.3
152.5°	347.5	347.3	346.8	346.4	345.9	345.5	345.4	345.4	345.3	345.2	345.0
155°	340.3	340.1	339.9	339.6	339.3	339.2	338.9	338.6	338.5	338.2	337.9
157.5°	335.2	335.0	334.7	334.5	334.3	334.0	333.8	333.6	333.4	333.2	332.9
160°	331.4	331.2	331.0	330.8	330.5	330.3	329.9	329.5	329.1	328.7	328.5
162.5°	329.8	329.5	329.2	328.8	328.4	328.0	327.8	327.6	327.3	327.1	326.9
165°	328.2	328.0	327.9	327.6	327.4	327.2	326.8	326.4	326.0	325.7	325.4
167.5°	328.8	328.7	328.5	328.3	328.0	327.9	327.5	327.1	326.8	326.3	326.0
170°	328.5	328.1	327.9	327.5	327.1	326.8	326.4	326.1	325.6	325.4	325.0
172.5°	329.9	329.7	329.4	329.1	328.7	328.5	328.1	327.9	327.5	327.1	327.0
175°	328.6	328.6	328.5	328.3	328.3	328.2	328.1	328.0	327.9	327.9	327.7
177.5°	329.2	329.2	329.2	329.1	329.0	329.0	328.7	328.6	328.4	328.1	328.0
180°	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2



TEST NUMBER: P1444654  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L930-UPL30

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8
2.5°	14153.1	14149.5	14151.2	14144.5	14146.1	14138.1	14137.4	14128.4	14127.5	14118.9	14115.7
5°	14632.2	14624.4	14633.3	14619.4	14622.2	14604.1	14602.6	14579.3	14571.3	14542.1	14529.5
7.5°	15158.9	15156.0	15161.4	15149.8	15149.5	15133.3	15126.6	15105.8	15092.9	15062.2	15042.7
10°	15274.3	15277.0	15272.6	15273.7	15267.4	15265.7	15259.2	15255.1	15244.6	15236.7	15225.0
12.5°	14795.2	14798.1	14779.8	14791.4	14782.2	14803.6	14801.9	14827.0	14831.0	14862.8	14874.9
15°	13687.9	13684.5	13649.4	13671.5	13659.6	13706.6	13717.1	13780.2	13814.0	13895.0	13944.8
17.5°	12015.2	12006.2	11956.9	11983.8	11970.0	12039.2	12062.5	12163.3	12226.3	12356.9	12450.0
20°	10021.3	10004.0	9946.2	9977.7	9963.6	10042.2	10075.3	10197.3	10278.6	10451.5	10574.5
22.5°	8002.6	7975.3	7918.7	7948.1	7934.8	8016.2	8059.3	8181.7	8274.8	8452.3	8595.9
25°	6189.9	6165.4	6110.7	6131.4	6126.4	6195.3	6233.6	6349.4	6440.8	6609.9	6747.0
27.5°	4721.2	4695.8	4646.3	4660.9	4655.9	4714.6	4750.8	4847.4	4926.1	5068.5	5188.9
30°	3613.3	3582.7	3540.9	3548.9	3545.5	3593.0	3626.8	3708.2	3775.7	3896.0	3999.7
32.5°	2769.6	2738.9	2700.4	2704.2	2699.1	2736.4	2764.2	2835.1	2893.8	2996.1	3086.4
35°	2119.1	2155.0	2072.8	2124.9	2070.7	2150.2	2121.6	2165.9	2216.4	2302.6	2377.9
37.5°	1629.1	1604.1	1582.9	1580.7	1580.6	1599.0	1620.8	1663.4	1708.0	1772.2	1838.5
40°	1291.0	1273.4	1259.7	1258.7	1259.7	1272.8	1288.9	1318.4	1351.1	1397.1	1445.9
42.5°	1070.7	1059.1	1050.8	1050.3	1052.9	1062.1	1073.4	1090.8	1112.1	1142.0	1175.4
45°	926.8	920.3	915.6	915.4	916.6	921.4	927.9	938.8	952.3	970.9	992.0
47.5°	825.7	824.1	821.3	821.4	820.0	822.0	822.8	828.8	836.1	850.1	877.8
50°	752.1	752.1	750.2	750.0	748.1	748.0	746.5	748.9	752.2	760.9	769.8
52.5°	693.9	693.8	691.6	691.2	689.2	689.1	687.8	688.7	689.1	693.6	698.8
55°	648.5	647.1	644.3	643.4	642.7	643.8	643.3	643.3	642.8	644.6	646.2
57.5°	615.9	614.1	611.4	610.7	610.4	611.9	611.9	611.4	608.9	607.3	604.9
60°	590.1	588.3	585.4	584.7	585.1	587.0	586.9	585.3	581.6	578.4	574.8
62.5°	564.7	564.0	562.6	562.3	562.0	562.3	561.0	559.3	555.7	552.3	548.3
65°	530.8	531.1	530.0	530.1	528.8	528.6	526.7	525.1	521.4	518.3	514.2
67.5°	495.4	495.7	494.8	494.8	494.1	494.2	493.0	491.5	488.4	485.8	482.7
70°	466.3	467.0	466.5	466.7	465.8	465.5	463.7	462.1	459.0	456.9	454.0
72.5°	431.4	433.0	432.9	433.4	432.1	431.4	429.2	427.4	424.5	422.8	420.5
75°	393.8	395.8	396.5	397.4	395.6	394.6	392.2	390.7	388.4	387.4	385.9
77.5°	357.1	359.3	361.4	363.5	360.6	358.1	354.9	352.6	349.2	348.0	345.6
80°	315.8	319.8	324.6	328.6	323.4	318.1	313.1	309.3	304.9	303.1	300.1
82.5°	262.1	266.1	268.9	271.4	267.8	264.0	259.1	255.8	250.9	249.2	245.8
85°	199.1	204.2	205.8	207.1	204.8	202.8	198.2	192.0	188.9	184.2	181.7
87.5°	130.9	133.9	134.6	135.0	133.6	132.6	129.7	126.7	121.6	117.8	113.2
90°	74.3	74.8	72.0	71.2	70.8	72.4	70.9	71.4	68.5	68.4	66.0
92.5°	34.4	32.1	29.9	27.7	30.1	32.2	34.5	36.5	38.9	40.9	43.2
95°	47.7	45.1	42.6	40.1	42.2	44.1	46.2	48.1	50.2	52.1	54.2
97.5°	66.4	64.8	63.1	61.4	62.6	63.7	64.9	66.0	67.3	68.4	69.6
100°	85.2	83.9	82.5	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
102.5°	139.4	133.7	128.0	122.3	126.1	129.9	133.8	137.7	141.5	145.3	149.4
105°	267.4	251.8	236.2	220.6	235.7	250.9	265.9	281.1	296.1	311.4	326.4
107.5°	489.6	465.0	440.3	415.6	443.2	470.7	498.1	525.7	553.2	580.8	608.3
110°	734.1	710.6	687.2	663.6	692.9	722.0	751.2	780.4	809.6	838.7	868.1



TEST NUMBER: P1444654  
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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°	897.6	886.1	874.7	863.3	882.1	900.9	919.7	938.5	957.4	976.2	995.0
115°	939.8	939.1	938.5	937.7	946.7	955.6	964.4	973.4	982.3	991.2	1000.2
117.5°	887.5	893.8	900.1	906.6	909.4	912.3	915.2	918.1	921.0	923.8	926.9
120°	794.1	802.6	811.1	819.7	818.5	817.4	816.2	815.0	814.0	812.9	811.9
122.5°	684.8	693.3	701.9	710.4	707.9	705.3	702.8	700.4	698.0	695.6	693.3
125°	582.9	589.9	597.2	604.3	601.8	599.2	596.8	594.4	591.9	589.6	587.3
127.5°	501.7	506.2	510.5	515.0	513.8	512.7	511.6	510.5	509.5	508.6	507.6
130°	445.7	447.6	449.8	451.8	452.2	452.5	452.9	453.3	453.9	454.5	455.0
132.5°	411.6	412.1	412.6	413.1	414.5	415.8	417.3	418.7	420.4	421.9	423.6
135°	391.0	390.7	390.3	390.1	392.1	394.0	396.1	398.2	400.5	402.7	405.1
137.5°	379.7	378.9	378.4	377.7	379.7	381.7	383.8	386.0	388.1	390.4	392.9
140°	373.3	372.8	372.3	371.7	373.7	375.7	377.8	379.9	382.2	384.3	386.8
142.5°	367.4	366.8	366.3	365.9	367.7	369.6	371.4	373.4	375.4	377.5	379.6
145°	365.6	365.2	364.9	364.6	365.9	367.2	368.6	370.0	371.6	373.0	374.7
147.5°	360.8	360.6	360.5	360.3	361.3	362.2	363.3	364.3	365.5	366.5	367.9
150°	354.4	354.3	354.3	354.4	355.0	355.6	356.4	356.9	357.8	358.4	359.4
152.5°	345.1	345.0	345.1	345.1	345.8	346.4	347.1	347.6	348.4	349.1	349.9
155°	337.8	337.7	337.6	337.4	337.7	337.9	338.2	338.4	338.8	339.1	339.4
157.5°	332.8	332.7	332.5	332.3	332.4	332.4	332.6	332.6	332.7	332.8	332.9
160°	328.1	327.7	327.4	327.0	327.3	327.4	327.7	327.8	328.1	328.4	328.6
162.5°	326.7	326.5	326.3	326.2	326.1	325.8	325.7	325.5	325.4	325.4	325.3
165°	324.9	324.6	324.2	323.8	323.8	323.8	323.9	323.9	323.9	323.9	324.0
167.5°	325.7	325.3	325.0	324.6	324.3	323.9	323.7	323.3	323.1	322.9	322.7
170°	324.7	324.4	324.1	323.8	323.7	323.5	323.4	323.3	323.2	323.1	323.1
172.5°	326.7	326.3	326.1	325.8	325.7	325.5	325.5	325.4	325.4	325.4	325.3
175°	327.7	327.6	327.5	327.4	327.1	327.0	326.8	326.6	326.5	326.2	326.1
177.5°	327.8	327.6	327.4	327.2	327.1	327.1	327.1	327.1	327.1	327.0	327.0
180°	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2



TEST NUMBER: P1444654  
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**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8
2.5°	14106.6	14102.9	14093.1	14088.4	14079.3	14074.7	14067.7	14063.2	14057.5	14053.3	14051.0
5°	14497.5	14479.4	14443.3	14421.0	14382.0	14356.3	14317.5	14289.1	14249.0	14219.6	14181.7
7.5°	15006.0	14978.3	14932.0	14896.9	14842.3	14800.5	14739.3	14690.3	14622.5	14566.3	14497.1
10°	15213.0	15196.9	15176.1	15153.5	15123.3	15093.6	15051.7	15009.1	14952.2	14895.7	14821.8
12.5°	14907.0	14922.2	14952.2	14966.2	14989.1	14997.0	15007.4	15002.5	14993.2	14970.2	14936.7
15°	14040.4	14103.9	14204.2	14273.6	14370.9	14439.1	14529.5	14587.7	14654.6	14694.7	14732.7
17.5°	12614.9	12737.7	12914.7	13055.9	13245.5	13399.7	13588.6	13737.0	13908.4	14039.8	14179.7
20°	10789.0	10960.9	11205.4	11412.9	11687.6	11920.6	12219.0	12469.1	12760.8	13003.9	13266.3
22.5°	8823.9	9026.1	9306.2	9556.5	9884.5	10177.6	10551.5	10882.1	11276.5	11629.6	12020.4
25°	6970.0	7168.1	7453.4	7712.6	8066.9	8389.6	8798.2	9177.4	9635.0	10061.7	10551.5
27.5°	5380.2	5556.3	5806.9	6040.3	6364.7	6681.6	7096.1	7500.6	7988.9	8447.4	8975.3
30°	4154.9	4297.8	4498.7	4686.4	4946.9	5206.0	5575.3	5949.3	6435.2	6910.3	7451.6
32.5°	3220.0	3341.8	3509.5	3661.9	3862.6	4058.0	4330.0	4628.8	5055.0	5510.1	6033.5
35°	2492.6	2596.8	2739.5	2870.8	3035.8	3191.0	3393.9	3607.2	3932.5	4315.3	4783.6
37.5°	1987.2	2029.7	2131.6	2239.2	2376.2	2503.7	2662.5	2820.2	3052.9	3355.0	3737.5
40°	1511.3	1578.7	1661.7	1746.4	1850.1	1952.4	2126.5	2210.4	2363.7	2580.5	2877.4
42.5°	1219.4	1266.8	1325.2	1384.1	1456.4	1527.7	1615.7	1705.5	1820.0	1966.8	2178.0
45°	1020.4	1051.4	1089.0	1128.2	1175.7	1224.3	1283.3	1344.9	1422.5	1512.8	1641.1
47.5°	887.5	904.6	929.1	955.9	988.5	1022.1	1060.5	1099.8	1148.0	1201.5	1274.6
50°	783.8	798.0	817.1	835.0	857.5	891.9	907.2	928.8	957.8	989.3	1030.2
52.5°	708.6	718.2	730.1	740.4	754.6	767.5	784.5	799.4	819.5	838.4	864.8
55°	650.2	653.7	660.4	667.0	676.9	685.7	697.3	707.0	719.9	731.2	747.8
57.5°	605.0	605.4	608.5	611.9	618.3	623.8	631.8	638.2	647.1	654.3	664.3
60°	572.6	570.9	571.5	572.6	576.2	579.9	584.9	589.1	594.7	598.8	604.4
62.5°	545.6	542.9	542.3	541.9	543.7	545.0	547.8	549.8	553.0	554.7	557.8
65°	511.4	508.2	507.0	505.5	506.1	505.6	506.7	506.7	508.4	508.8	510.4
67.5°	480.5	477.8	476.2	474.3	473.4	471.9	471.3	470.0	469.7	468.6	468.3
70°	452.3	449.7	448.3	446.5	445.6	443.7	442.5	440.2	438.9	436.7	435.5
72.5°	419.6	418.2	417.8	416.5	416.2	415.2	414.6	413.0	412.2	410.3	409.2
75°	385.5	384.3	384.2	382.9	382.8	381.6	381.3	379.5	378.6	376.9	376.1
77.5°	344.9	343.1	342.6	341.1	341.5	340.9	341.4	340.1	339.5	337.7	337.1
80°	299.1	296.7	295.9	293.9	294.4	293.5	294.4	294.3	295.1	293.5	293.3
82.5°	244.9	242.3	241.9	240.5	241.4	241.5	243.5	242.4	242.8	241.5	242.0
85°	178.1	176.3	173.7	173.3	171.6	173.4	171.1	172.6	170.2	171.9	169.6
87.5°	110.5	106.6	104.5	101.8	100.7	98.1	97.0	95.1	95.6	94.7	95.3
90°	66.7	64.7	66.3	65.9	68.1	68.1	70.8	71.5	74.3	75.0	78.1
92.5°	45.3	47.4	51.3	55.5	59.5	63.5	67.5	71.6	75.7	79.8	83.7
95°	56.1	58.2	63.5	68.9	74.3	79.7	85.0	90.4	95.8	101.1	106.5
97.5°	70.8	71.9	77.3	82.7	88.0	93.4	98.8	104.3	109.6	115.0	120.4
100°	81.2	81.3	96.5	111.8	127.1	142.4	157.7	173.0	188.3	203.6	218.9
102.5°	153.2	157.0	195.6	234.3	272.9	311.5	350.0	388.7	427.3	466.0	504.7
105°	341.6	356.7	415.6	474.5	533.3	592.3	651.2	710.2	769.1	828.1	887.0
107.5°	635.8	663.5	716.7	769.9	823.1	876.3	929.7	982.9	1036.1	1089.4	1142.8
110°	897.3	926.5	962.2	997.8	1033.5	1069.1	1104.8	1140.5	1176.2	1211.9	1247.6



TEST NUMBER: P1444654  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L930-UPL30

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	1013.8	1032.7	1053.4	1074.2	1094.9	1115.7	1136.5	1157.2	1178.1	1198.8	1219.7
115°	1009.2	1018.2	1026.1	1034.3	1042.2	1050.3	1058.3	1066.5	1074.6	1082.7	1090.8
117.5°	929.7	932.8	933.9	935.2	936.3	937.6	938.9	940.2	941.5	942.8	944.1
120°	810.8	809.9	808.4	806.9	805.5	804.1	802.8	801.4	800.1	798.7	797.4
122.5°	690.8	688.6	687.2	685.7	684.5	683.1	681.8	680.6	679.3	678.1	676.7
125°	584.9	582.7	583.8	584.8	585.8	586.9	588.0	589.1	590.3	591.4	592.5
127.5°	506.6	505.8	508.7	511.6	514.6	517.6	520.5	523.5	526.6	529.6	532.5
130°	455.7	456.4	460.2	464.0	467.8	471.7	475.5	479.5	483.3	487.1	490.9
132.5°	425.2	427.0	430.6	434.3	437.9	441.6	445.3	449.0	452.7	456.5	460.1
135°	407.4	409.9	413.1	416.5	419.8	423.3	426.6	430.1	433.3	436.7	440.0
137.5°	395.1	397.6	400.2	402.9	405.5	408.2	410.9	413.7	416.2	418.9	421.5
140°	389.0	391.5	392.8	394.4	395.8	397.3	398.7	400.2	401.5	403.2	404.5
142.5°	381.7	384.0	384.8	385.7	386.6	387.6	388.4	389.3	390.1	390.9	391.8
145°	376.2	377.9	377.8	377.8	377.9	377.9	377.8	377.8	377.8	377.8	377.7
147.5°	369.0	370.3	369.9	369.7	369.5	369.2	369.0	368.7	368.3	368.1	367.8
150°	360.1	361.0	360.4	360.0	359.4	359.0	358.4	358.0	357.3	357.0	356.4
152.5°	350.6	351.4	350.7	350.3	349.6	349.1	348.4	348.0	347.3	346.7	346.2
155°	339.7	340.1	339.8	339.5	339.3	338.9	338.5	338.4	338.2	337.8	337.6
157.5°	333.0	333.1	332.9	332.8	332.6	332.4	332.3	332.2	332.1	332.0	332.0
160°	328.7	329.1	328.8	328.7	328.5	328.3	328.2	328.1	328.0	328.0	327.9
162.5°	325.1	325.1	324.8	324.6	324.6	324.5	324.3	324.3	324.3	324.2	324.2
165°	324.2	324.4	323.9	323.7	323.4	323.0	322.8	322.5	322.4	322.2	322.0
167.5°	322.4	322.2	322.2	322.3	322.3	322.4	322.4	322.7	322.7	322.9	322.9
170°	323.1	323.1	322.9	322.8	322.6	322.5	322.5	322.3	322.2	322.1	322.1
172.5°	325.3	325.3	324.9	324.6	324.3	324.0	323.7	323.4	323.1	322.9	322.5
175°	325.9	325.7	325.5	325.4	325.2	324.9	324.8	324.6	324.4	324.2	324.0
177.5°	327.0	326.9	326.8	326.8	326.8	326.7	326.7	326.7	326.7	326.7	326.6
180°	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2



TEST NUMBER: P1444654  
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**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8
2.5°	14048.2	14048.0	14046.7	14047.3	14047.6	14048.5	14049.8	14051.0	14051.3	14052.3	14052.5
5°	14153.3	14118.6	14092.9	14064.6	14043.4	14024.2	14011.5	14001.3	13997.4	13998.4	14000.8
7.5°	14438.4	14366.7	14307.5	14240.1	14184.1	14124.6	14075.4	14028.6	13994.5	13969.0	13954.8
10°	14751.3	14663.9	14580.3	14482.9	14390.5	14291.9	14202.6	14112.7	14037.7	13972.6	13924.8
12.5°	14890.0	14828.3	14756.1	14664.1	14565.3	14451.5	14336.6	14213.5	14099.0	13992.6	13906.9
15°	14743.1	14743.2	14716.9	14672.8	14604.1	14513.2	14403.8	14275.3	14140.2	14002.3	13876.4
17.5°	14276.5	14364.5	14413.5	14444.5	14434.9	14401.5	14331.8	14233.2	14107.3	13960.4	13806.7
20°	13475.2	13682.8	13830.9	13964.1	14038.7	14088.2	14083.3	14043.1	13953.5	13828.5	13668.5
22.5°	12352.7	12701.2	12976.2	13232.7	13412.5	13558.9	13628.4	13658.0	13617.3	13530.3	13379.9
25°	10989.4	11463.3	11867.7	12260.1	12554.5	12807.5	12959.6	13066.7	13075.2	13029.7	12895.6
27.5°	9474.4	10033.8	10545.6	11067.1	11481.2	11844.9	12083.5	12258.2	12313.7	12306.4	12184.5
30°	7961.4	8548.6	9112.8	9721.0	10233.3	10697.9	11013.2	11249.5	11340.5	11357.9	11240.7
32.5°	6532.6	7111.6	7674.2	8310.1	8873.8	9406.3	9778.8	10059.4	10165.2	10190.2	10061.7
35°	5235.7	5769.9	6304.6	6920.9	7481.4	8032.8	8425.3	8719.1	8817.9	8834.6	8685.8
37.5°	4111.2	4566.4	5032.3	5585.1	6099.9	6617.8	6990.7	7266.8	7338.8	7334.3	7166.0
40°	3164.3	3518.2	3892.5	4347.7	4775.7	5213.5	5528.4	5756.6	5794.5	5766.4	5589.6
42.5°	2379.4	2634.9	2906.4	3246.2	3563.7	3891.3	4120.4	4289.9	4295.3	4251.0	4092.2
45°	1772.7	2022.0	2135.8	2341.3	2545.8	2763.7	2903.5	3008.2	2992.0	2953.1	2832.4
47.5°	1351.3	1447.2	1548.8	1676.2	1795.3	2042.6	2024.2	2192.4	2071.3	2153.8	1972.1
50°	1073.1	1126.7	1181.4	1249.0	1311.2	1375.9	1416.3	1446.4	1442.5	1429.6	1394.7
52.5°	913.0	929.5	956.5	995.0	1029.7	1064.6	1087.6	1106.3	1106.7	1101.4	1083.9
55°	763.0	784.0	803.5	828.6	871.4	878.0	910.9	904.2	906.8	897.6	907.0
57.5°	672.7	684.9	695.9	710.9	723.2	737.7	746.2	754.3	753.5	751.8	742.9
60°	608.8	615.5	621.6	630.3	637.1	645.3	649.2	653.4	652.0	648.9	641.0
62.5°	559.5	563.7	567.1	572.8	576.9	582.0	584.1	585.8	584.1	581.1	574.1
65°	510.8	513.6	515.7	520.0	522.9	527.2	529.0	530.6	529.0	526.8	521.4
67.5°	467.0	467.2	467.0	468.7	469.6	472.2	473.0	474.2	472.3	470.3	465.8
70°	433.6	432.9	432.1	432.8	432.9	434.3	434.4	434.3	431.9	428.6	423.6
72.5°	407.6	407.3	406.6	407.2	407.2	408.3	408.0	407.4	404.7	401.4	396.5
75°	374.2	373.9	372.7	372.7	371.7	372.1	370.7	369.9	366.8	364.1	359.7
77.5°	335.1	334.4	332.6	331.9	329.9	329.1	326.5	325.3	322.1	319.9	316.2
80°	291.3	290.7	288.3	287.0	283.9	281.9	278.1	276.0	272.4	270.3	266.6
82.5°	240.8	241.1	238.7	237.1	232.6	229.2	224.1	221.4	217.4	215.4	211.6
85°	171.3	168.8	170.1	170.0	167.2	164.2	160.1	157.3	153.9	151.9	149.3
87.5°	93.9	94.5	93.8	93.3	91.3	89.7	86.6	84.9	82.4	81.3	79.2
90°	73.0	70.3	65.4	62.7	58.0	54.5	49.3	46.2	41.2	39.8	37.1
92.5°	79.1	74.6	70.1	65.5	61.1	56.6	52.0	47.5	43.0	41.3	39.9
95°	100.0	93.5	87.0	80.4	73.9	67.3	60.9	54.3	47.8	46.4	45.1
97.5°	112.7	105.1	97.3	89.6	81.9	74.1	66.5	58.8	51.1	50.3	49.4
100°	201.0	183.4	165.6	147.8	130.1	112.4	94.5	76.8	59.1	58.1	57.0
102.5°	461.5	418.4	375.4	332.3	289.3	246.1	203.2	160.0	117.0	110.8	104.6
105°	821.9	756.6	691.5	626.4	561.1	495.9	430.8	365.5	300.3	279.4	258.3
107.5°	1081.5	1020.1	958.9	897.6	836.2	775.0	713.6	652.3	590.9	554.1	517.3
110°	1198.8	1150.2	1101.6	1052.9	1004.2	955.5	906.8	858.1	809.4	777.5	745.9



TEST NUMBER: P1444654  
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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°	1184.0	1148.2	1112.6	1076.8	1041.2	1005.4	969.6	933.8	898.1	878.8	859.3
115°	1069.3	1047.8	1026.1	1004.6	983.0	961.4	939.8	918.1	896.5	886.2	875.9
117.5°	933.0	921.9	910.7	899.6	888.5	877.2	866.1	855.0	843.7	840.1	836.3
120°	794.0	790.5	786.9	783.3	779.8	776.3	772.6	769.1	765.4	765.7	765.9
122.5°	677.9	678.9	679.9	680.8	682.0	682.9	684.0	684.8	685.9	688.3	690.9
125°	595.5	598.3	601.3	604.2	607.0	609.9	612.9	615.6	618.5	621.0	623.6
127.5°	535.9	539.1	542.4	545.6	549.0	552.2	555.5	558.7	562.0	564.2	566.5
130°	493.8	496.5	499.4	502.1	505.0	507.7	510.4	513.3	516.0	517.7	519.3
132.5°	462.7	465.1	467.6	470.0	472.5	474.9	477.5	479.8	482.4	483.4	484.7
135°	441.8	443.5	445.4	447.1	449.0	450.7	452.5	454.3	456.2	456.9	457.5
137.5°	422.9	424.4	425.8	427.1	428.6	430.0	431.5	433.0	434.5	434.6	434.9
140°	406.0	407.5	409.0	410.6	412.2	413.8	415.4	417.1	418.7	418.8	419.2
142.5°	393.0	394.2	395.3	396.5	397.7	399.0	400.2	401.5	402.8	403.0	403.2
145°	379.1	380.5	382.1	383.5	385.0	386.5	388.2	389.8	391.4	391.4	391.5
147.5°	369.0	370.3	371.6	372.9	374.2	375.4	376.9	378.3	379.8	379.7	379.7
150°	357.8	359.1	360.6	361.9	363.4	364.8	366.4	368.0	369.6	369.9	370.2
152.5°	347.7	349.2	350.8	352.4	354.0	355.7	357.4	359.1	360.8	361.0	361.4
155°	339.2	340.6	342.2	343.8	345.4	347.0	348.7	350.3	352.0	352.4	352.8
157.5°	333.4	334.6	336.1	337.6	339.0	340.4	342.0	343.4	345.0	345.3	345.6
160°	329.2	330.4	331.7	332.8	334.2	335.4	336.8	338.1	339.3	339.7	340.0
162.5°	325.4	326.6	327.9	329.0	330.3	331.6	332.9	334.2	335.4	335.7	336.0
165°	322.9	323.8	324.6	325.5	326.4	327.3	328.2	329.1	330.1	330.4	330.9
167.5°	323.8	324.3	325.0	325.7	326.4	327.0	327.9	328.5	329.3	329.6	330.1
170°	322.8	323.3	323.9	324.6	325.3	325.9	326.6	327.1	327.9	328.3	328.7
172.5°	322.9	323.3	323.8	324.1	324.6	325.0	325.4	325.9	326.3	326.9	327.3
175°	324.3	324.5	324.7	324.9	325.0	325.3	325.5	325.8	326.1	326.4	326.9
177.5°	326.8	327.0	327.1	327.3	327.5	327.7	327.9	328.0	328.3	328.8	329.3
180°	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2



TEST NUMBER: P1444654  
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**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8
2.5°	14052.0	14051.8	14051.4	14050.8	14050.1	14050.5	14051.1	14052.7	14055.6	14059.7	14064.9
5°	14002.7	14005.6	14007.2	14007.4	14005.9	14005.1	14006.4	14010.3	14018.1	14031.1	14048.8
7.5°	13951.0	13954.5	13960.0	13964.1	13964.8	13963.8	13964.1	13970.1	13984.5	14009.9	14045.6
10°	13895.7	13885.2	13890.8	13900.9	13909.0	13910.4	13911.4	13918.5	13939.6	13978.1	14035.4
12.5°	13844.7	13811.5	13805.1	13814.3	13826.5	13830.4	13829.2	13832.4	13856.9	13907.8	13987.8
15°	13777.6	13715.1	13693.7	13696.1	13711.2	13716.6	13712.7	13706.6	13730.6	13792.7	13896.1
17.5°	13669.1	13568.2	13528.9	13527.2	13544.9	13549.6	13539.9	13521.1	13544.7	13622.2	13750.5
20°	13504.0	13355.1	13281.2	13269.4	13288.6	13283.0	13263.6	13235.2	13266.2	13360.5	13513.1
22.5°	13207.2	13018.7	12892.2	12851.5	12874.4	12859.1	12830.8	12794.5	12835.8	12942.9	13112.9
25°	12722.3	12504.4	12331.4	12234.3	12252.5	12225.1	12194.3	12150.3	12199.5	12322.5	12509.6
27.5°	12009.6	11757.9	11543.5	11382.7	11388.7	11352.7	11317.3	11260.3	11321.7	11467.2	11678.3
30°	11061.9	10770.6	10509.5	10291.1	10271.4	10236.6	10200.3	10125.6	10202.4	10376.6	10623.3
32.5°	9871.7	9548.3	9246.5	8970.4	8918.3	8884.2	8851.9	8765.9	8866.5	9069.6	9353.0
35°	8479.8	8135.3	7808.2	7492.7	7406.4	7372.4	7344.1	7261.7	7387.2	7608.3	7914.4
37.5°	6952.0	6600.0	6275.2	5951.8	5829.8	5783.8	5763.2	5709.2	5854.0	6072.6	6379.9
40°	5383.6	5056.3	4765.1	4479.5	4340.4	4269.8	4259.0	4249.2	4389.2	4578.9	4857.9
42.5°	3916.4	3652.3	3427.8	3209.4	3083.4	2987.0	2987.0	3016.2	3142.2	3284.4	3499.5
45°	2709.1	2531.9	2388.8	2242.9	2281.9	2089.7	2202.6	2144.7	2207.0	2298.6	2438.4
47.5°	1862.2	1765.5	1686.9	1605.4	1545.9	1489.3	1494.2	1530.8	1589.4	1643.8	1716.6
50°	1357.2	1308.0	1267.9	1225.6	1196.1	1171.0	1172.5	1188.3	1219.2	1247.8	1285.8
52.5°	1063.5	1036.3	1014.6	991.1	975.6	963.2	963.9	971.6	988.3	1004.6	1026.4
55°	876.6	873.3	845.0	824.0	816.0	807.6	809.2	812.2	823.5	833.1	847.6
57.5°	734.6	721.8	713.4	702.3	697.2	691.4	692.7	693.8	701.4	707.8	718.3
60°	634.3	625.3	619.3	611.8	608.4	604.7	605.5	606.2	611.1	615.2	622.7
62.5°	567.7	559.6	554.4	548.6	546.3	543.8	544.3	544.5	547.5	550.6	556.2
65°	516.6	510.2	505.8	500.8	498.4	495.7	496.0	496.0	498.6	500.8	505.1
67.5°	462.5	457.7	454.9	450.9	449.2	446.6	446.5	445.7	447.4	448.2	451.2
70°	419.2	414.3	410.7	406.9	404.8	402.4	402.5	402.5	404.5	406.5	410.2
72.5°	392.4	387.7	384.5	381.1	379.2	377.2	376.9	376.6	378.0	379.2	381.6
75°	356.9	353.2	351.3	348.2	346.6	344.3	344.0	342.9	343.6	343.8	345.7
77.5°	313.9	310.3	308.8	305.7	304.3	301.7	301.6	300.4	300.9	300.6	302.0
80°	264.8	261.5	260.7	258.2	257.5	255.1	254.8	253.4	253.8	252.7	253.2
82.5°	210.0	207.1	206.5	204.1	204.1	201.9	201.8	199.6	199.6	197.8	194.9
85°	147.9	145.8	144.9	142.9	142.3	140.6	139.7	137.7	137.0	135.6	135.2
87.5°	78.1	76.7	75.5	74.6	72.8	69.8	69.5	67.4	67.5	66.0	66.1
90°	35.8	33.2	32.2	29.8	28.4	26.5	25.4	26.2	27.3	28.2	29.3
92.5°	38.4	36.9	35.5	34.0	32.4	30.9	29.4	30.9	32.4	34.0	35.5
95°	43.8	42.4	41.1	39.7	38.4	37.1	35.7	37.1	38.4	39.7	41.1
97.5°	48.6	47.7	46.9	46.0	45.2	44.3	43.5	44.4	45.3	46.1	47.0
100°	56.1	55.1	54.0	53.0	52.0	51.0	50.0	51.1	52.1	53.1	54.1
102.5°	98.4	92.1	86.0	79.8	73.5	67.4	61.1	67.4	73.5	79.8	86.1
105°	237.4	216.5	195.5	174.6	153.6	132.6	111.7	132.6	153.6	174.6	195.6
107.5°	480.3	443.5	406.6	369.7	332.8	295.9	259.0	295.9	332.8	369.8	406.7
110°	714.0	682.2	650.4	618.5	586.6	554.8	522.9	554.9	586.7	618.6	650.5



TEST NUMBER: P1444654  
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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°	840.0	820.7	801.2	781.9	762.5	743.0	723.6	743.1	762.6	782.2	801.5
115°	865.7	855.4	845.2	834.8	824.6	814.2	803.8	814.4	824.8	835.2	845.6
117.5°	832.7	829.0	825.3	821.6	817.9	814.1	810.3	814.2	818.2	822.1	825.8
120°	766.1	766.4	766.6	766.8	767.0	767.2	767.3	767.4	767.4	767.4	767.3
122.5°	693.3	695.8	698.1	700.6	703.0	705.4	707.7	705.6	703.4	701.3	699.0
125°	626.1	628.6	631.1	633.6	636.0	638.5	640.7	638.8	636.6	634.4	632.1
127.5°	568.7	571.0	573.1	575.3	577.5	579.4	581.5	579.8	578.0	576.1	574.2
130°	520.9	522.6	524.0	525.6	527.1	528.5	529.9	528.8	527.6	526.6	525.2
132.5°	485.7	486.9	488.0	489.1	490.0	491.1	491.8	491.4	490.7	490.1	489.2
135°	458.2	458.9	459.4	460.1	460.6	461.1	461.4	461.4	461.3	461.1	460.7
137.5°	435.1	435.3	435.4	435.4	435.5	435.5	435.3	435.9	436.2	436.6	436.7
140°	419.3	419.5	419.7	419.7	419.8	419.9	419.7	420.3	420.5	420.9	421.1
142.5°	403.4	403.6	403.7	403.8	403.9	403.9	403.7	404.2	404.6	404.8	405.1
145°	391.4	391.4	391.4	391.3	391.1	390.9	390.6	391.3	391.7	392.3	392.8
147.5°	379.7	379.6	379.6	379.4	379.3	379.1	378.8	379.4	379.9	380.4	381.0
150°	370.4	370.7	371.0	371.2	371.2	371.3	371.3	371.7	372.0	372.1	372.3
152.5°	361.5	361.7	362.0	362.2	362.2	362.2	362.2	362.6	363.0	363.2	363.4
155°	353.2	353.5	353.8	354.1	354.3	354.6	354.8	355.0	355.1	355.3	355.4
157.5°	345.9	346.3	346.6	346.8	347.0	347.4	347.5	347.8	348.0	348.2	348.3
160°	340.2	340.6	340.9	341.1	341.4	341.7	341.8	342.1	342.4	342.5	342.7
162.5°	336.3	336.6	336.8	337.0	337.3	337.6	337.8	338.1	338.3	338.5	338.6
165°	331.3	331.8	332.0	332.5	332.9	333.4	333.7	333.8	333.8	333.8	333.8
167.5°	330.4	330.9	331.1	331.6	331.9	332.3	332.8	332.8	332.8	332.8	332.7
170°	329.0	329.5	329.7	330.1	330.4	330.8	331.1	331.1	331.1	331.1	331.1
172.5°	327.7	328.3	328.7	329.3	329.6	330.2	330.6	330.5	330.3	330.1	329.8
175°	327.1	327.7	328.1	328.6	328.9	329.4	329.8	329.5	329.3	329.1	328.8
177.5°	329.9	330.5	331.1	331.6	332.1	332.6	333.2	332.7	332.3	331.8	331.2
180°	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2



TEST NUMBER: P1444654  
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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°	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8
2.5°	14072.5	14079.6	14090.3	14100.1	14114.8	14126.3	14143.8	14157.0	14176.6	14189.4	14210.7
5°	14073.8	14101.3	14137.5	14172.9	14215.3	14253.9	14301.8	14342.6	14390.7	14430.0	14479.3
7.5°	14093.6	14146.7	14210.4	14274.5	14347.1	14414.9	14491.3	14560.5	14636.1	14700.1	14770.0
10°	14108.3	14190.2	14284.0	14378.4	14477.7	14570.0	14663.2	14743.7	14818.9	14880.9	14935.6
12.5°	14088.5	14201.3	14321.6	14437.8	14548.3	14643.7	14723.9	14785.9	14828.6	14857.6	14864.4
15°	14020.7	14156.5	14287.4	14403.1	14494.7	14565.5	14602.0	14619.1	14600.8	14570.2	14503.2
17.5°	13894.4	14037.6	14154.5	14245.8	14294.2	14313.5	14283.1	14230.4	14127.4	14013.0	13847.9
20°	13662.7	13796.0	13880.9	13930.7	13917.7	13869.8	13755.4	13616.3	13410.6	13191.4	12902.0
22.5°	13256.1	13372.8	13418.0	13421.7	13342.7	13222.6	13016.2	12777.7	12453.1	12115.8	11700.8
25°	12646.1	12748.2	12755.3	12715.2	12570.5	12376.1	12073.1	11735.5	11294.6	10845.0	10325.0
27.5°	11818.6	11916.5	11892.5	11817.7	11616.8	11356.7	10968.6	10532.6	9989.0	9458.0	8882.8
30°	10778.4	10883.1	10855.0	10758.9	10520.1	10212.5	9755.9	9249.4	8645.8	8078.7	7495.8
32.5°	9533.6	9666.0	9646.6	9555.3	9306.0	8977.0	8481.5	7944.3	7326.7	6767.8	6200.8
35°	8118.7	8279.6	8287.9	8228.2	7996.7	7671.5	7182.3	6662.2	6070.7	5543.4	5019.6
37.5°	6594.3	6780.8	6819.1	6803.0	6611.2	6324.1	5878.3	5411.8	4887.8	4425.7	3977.7
40°	5061.6	5250.2	5315.7	5335.2	5193.6	4971.2	4605.4	4228.9	3801.7	3427.2	3071.5
42.5°	3663.7	3831.0	3894.3	3934.1	3845.7	3697.4	3430.6	3157.1	2844.2	2574.1	2315.1
45°	2544.6	2662.9	2711.0	2751.0	2702.9	2619.3	2450.8	2279.7	2073.1	1896.6	1729.5
47.5°	1779.0	1844.3	1876.0	1895.5	1876.8	1833.3	1741.5	1642.5	1525.8	1422.7	1323.5
50°	1318.6	1353.4	1370.0	1381.3	1367.6	1343.4	1293.8	1239.8	1175.8	1117.4	1060.3
52.5°	1044.9	1064.9	1074.8	1080.9	1073.0	1058.2	1029.4	997.4	959.0	922.9	903.9
55°	880.4	879.3	902.1	891.1	902.1	877.5	872.3	837.2	805.3	782.9	758.5
57.5°	726.0	736.3	740.7	745.6	742.4	738.0	725.7	713.1	696.2	682.2	667.2
60°	628.4	637.0	641.8	646.6	646.3	644.7	637.5	630.0	619.5	611.1	602.0
62.5°	561.2	568.6	573.4	578.0	578.4	577.7	572.4	567.1	560.0	554.7	548.4
65°	508.4	513.6	516.8	520.5	520.2	519.3	514.5	510.1	504.2	500.6	495.9
67.5°	453.1	457.0	459.5	462.9	463.7	463.8	461.2	459.1	456.3	455.2	453.7
70°	413.7	418.4	422.5	426.9	429.3	430.4	429.3	428.3	426.6	425.9	424.6
72.5°	383.9	387.9	391.0	395.0	397.4	399.0	398.1	397.4	396.0	395.8	395.0
75°	346.9	349.7	351.5	354.5	355.7	357.2	356.5	356.9	356.4	357.5	357.5
77.5°	302.5	304.5	305.3	307.5	307.7	309.6	309.9	312.1	313.6	317.0	318.8
80°	252.4	253.7	253.7	255.9	256.9	260.0	261.5	264.9	266.6	269.6	269.8
82.5°	196.1	194.5	196.1	195.1	198.0	201.4	201.9	204.9	205.6	207.5	205.9
85°	134.0	133.9	132.7	133.0	132.1	132.4	132.0	132.5	132.0	132.1	130.6
87.5°	64.3	64.8	63.4	63.9	62.5	63.1	61.9	62.8	61.5	61.7	59.5
90°	30.2	31.3	32.3	33.4	34.7	37.6	40.5	43.5	46.6	49.4	52.4
92.5°	36.9	38.5	40.0	41.5	43.0	47.6	52.1	56.7	61.2	65.7	70.2
95°	42.4	43.8	45.1	46.5	47.9	54.4	61.0	67.5	74.1	80.6	87.2
97.5°	47.9	48.7	49.5	50.4	51.2	59.0	66.7	74.4	82.2	89.8	97.6
100°	55.3	56.2	57.2	58.3	59.3	77.1	94.8	112.6	130.4	148.2	165.9
102.5°	92.2	98.5	104.7	111.0	117.3	160.4	203.5	246.6	289.5	332.7	375.8
105°	216.6	237.6	258.6	279.6	300.6	365.8	431.1	496.4	561.5	626.7	692.0
107.5°	443.7	480.6	517.6	554.5	591.4	652.8	714.2	775.5	836.9	898.2	959.5
110°	682.4	714.2	746.2	778.1	810.0	858.7	907.5	956.2	1004.9	1053.7	1102.4



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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°	821.1	840.4	859.9	879.3	898.7	934.5	970.5	1006.3	1042.1	1077.7	1113.6
115°	856.0	866.3	876.6	887.0	897.4	919.1	940.7	962.4	984.1	1005.7	1027.4
117.5°	829.7	833.5	837.2	841.0	844.7	855.9	867.3	878.5	889.7	900.9	912.2
120°	767.3	767.1	767.0	766.8	766.6	770.2	774.0	777.6	781.4	784.9	788.5
122.5°	696.8	694.4	692.1	689.7	687.4	686.4	685.6	684.5	683.7	682.7	681.8
125°	629.8	627.5	625.0	622.6	620.1	617.4	614.6	611.8	608.9	606.2	603.3
127.5°	572.3	570.2	568.2	566.1	563.9	560.7	557.5	554.3	551.2	547.9	544.7
130°	524.0	522.6	521.1	519.5	518.2	515.4	512.8	510.0	507.3	504.6	501.9
132.5°	488.5	487.5	486.7	485.6	484.7	482.2	480.0	477.5	475.1	472.7	470.3
135°	460.5	460.1	459.7	459.2	458.7	456.9	455.3	453.5	451.8	450.0	448.3
137.5°	437.0	437.1	437.1	437.1	437.2	435.8	434.3	433.0	431.7	430.2	428.9
140°	421.2	421.3	421.5	421.4	421.5	420.0	418.5	417.0	415.5	413.9	412.4
142.5°	405.3	405.5	405.6	405.6	405.6	404.5	403.4	402.3	401.1	399.9	398.8
145°	393.1	393.4	393.8	393.9	394.3	392.8	391.5	389.9	388.6	387.1	385.8
147.5°	381.3	381.7	382.1	382.3	382.7	381.5	380.3	379.1	378.0	376.7	375.6
150°	372.4	372.5	372.6	372.7	372.7	371.4	370.2	368.8	367.6	366.2	365.0
152.5°	363.5	363.7	363.9	363.9	364.1	362.8	361.4	359.9	358.5	357.0	355.7
155°	355.5	355.6	355.6	355.6	355.6	354.2	352.9	351.6	350.2	348.8	347.5
157.5°	348.4	348.5	348.6	348.7	348.7	347.5	346.4	345.1	344.0	342.8	341.7
160°	342.8	343.0	343.1	343.1	343.3	342.3	341.3	340.2	339.3	338.2	337.1
162.5°	338.8	339.0	339.1	339.1	339.3	338.3	337.4	336.3	335.3	334.3	333.3
165°	333.9	333.8	333.7	333.6	333.6	332.9	332.3	331.7	331.0	330.3	329.5
167.5°	332.8	332.7	332.6	332.5	332.4	331.9	331.6	331.0	330.4	330.0	329.5
170°	331.1	331.0	330.9	330.8	330.7	330.2	329.7	329.2	328.8	328.2	327.7
172.5°	329.5	329.3	329.1	328.8	328.6	328.2	327.9	327.6	327.3	327.0	326.6
175°	328.6	328.2	328.0	327.8	327.4	327.3	327.1	327.0	326.9	326.8	326.6
177.5°	330.9	330.4	329.9	329.5	329.0	328.8	328.7	328.6	328.5	328.4	328.2
180°	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2



TEST NUMBER: P1444654  
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**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8
2.5°	14224.0	14136.1	14124.6	14130.7	14145.4	14150.8	14166.6	14171.0	14186.9	14190.9	14206.2
5°	14517.5	14401.3	14407.1	14435.1	14477.4	14502.6	14544.1	14565.8	14605.5	14623.5	14659.3
7.5°	14827.0	14735.8	14764.2	14811.3	14869.1	14909.1	14959.0	14991.5	15034.5	15061.2	15095.6
10°	14978.9	14953.9	14985.2	15022.3	15055.3	15081.1	15102.2	15119.2	15130.2	15140.6	15145.2
12.5°	14863.3	14902.0	14907.2	14903.7	14881.8	14865.2	14827.7	14802.3	14757.1	14729.6	14675.7
15°	14434.6	14519.6	14472.5	14401.3	14297.0	14210.0	14087.2	13995.8	13867.9	13781.2	13652.9
17.5°	13682.3	13789.6	13667.0	13502.0	13292.2	13112.8	12889.3	12711.8	12489.7	12328.0	12120.7
20°	12623.2	12723.4	12504.6	12231.3	11906.8	11633.6	11311.6	11054.6	10755.2	10532.6	10264.0
22.5°	11304.5	11375.9	11067.7	10699.2	10285.7	9944.5	9559.4	9251.3	8909.8	8655.2	8368.7
25°	9845.7	9864.9	9495.2	9070.5	8609.7	8226.3	7815.2	7491.3	7142.9	6884.9	6603.8
27.5°	8373.1	8344.9	7945.3	7495.1	7010.3	6611.7	6210.8	5907.3	5602.1	5369.7	5127.5
30°	6983.4	6914.9	6500.0	6037.3	5566.7	5209.5	4876.6	4632.9	4390.1	4205.7	4011.4
32.5°	5708.9	5612.3	5208.4	4774.9	4378.4	4102.7	3855.9	3671.4	3475.4	3319.8	3156.5
35°	4580.0	4477.2	4119.4	3751.8	3451.7	3248.5	3054.5	2903.2	2736.8	2605.4	2463.6
37.5°	3611.3	3526.9	3227.2	2938.0	2711.0	2553.5	2394.6	2270.9	2133.4	2075.6	1924.1
40°	2787.8	2728.9	2494.6	2281.4	2110.9	2037.0	1875.6	1760.1	1657.3	1572.5	1490.4
42.5°	2174.6	2153.7	1925.7	1759.4	1639.3	1546.1	1456.2	1383.2	1312.1	1253.7	1198.6
45°	1595.9	1579.3	1478.0	1382.1	1300.3	1235.1	1174.3	1124.2	1077.7	1039.2	1004.1
47.5°	1242.7	1237.3	1179.1	1119.5	1068.0	1026.1	986.8	953.4	922.6	896.8	888.5
50°	1010.7	1010.0	975.8	939.1	902.4	878.2	853.0	833.3	813.5	798.1	781.8
52.5°	858.8	855.0	832.0	809.2	787.5	771.6	755.5	742.9	729.8	720.3	710.1
55°	739.3	743.2	729.8	716.3	702.7	692.8	681.5	673.3	664.3	658.2	652.1
57.5°	656.3	661.5	654.5	646.8	638.5	632.0	624.2	618.5	612.5	608.6	605.2
60°	596.0	601.6	598.8	594.9	589.8	585.9	581.0	577.8	573.9	571.8	569.8
62.5°	544.8	551.8	550.8	549.0	545.7	543.6	540.8	539.4	536.9	535.9	535.0
65°	493.7	501.6	501.4	500.6	498.8	498.1	496.5	496.1	494.8	495.4	495.2
67.5°	453.5	460.4	461.9	463.0	462.9	463.4	463.2	463.9	463.9	464.9	465.5
70°	424.5	429.3	430.4	431.6	431.9	432.8	432.8	433.5	433.3	434.1	434.3
72.5°	395.2	401.5	402.6	403.6	403.6	404.5	404.0	403.9	402.6	402.3	401.5
75°	358.7	366.8	368.6	369.7	369.9	370.7	369.6	368.9	366.8	366.0	364.5
77.5°	320.6	329.0	330.3	330.7	330.0	330.2	327.9	326.3	323.7	322.6	321.2
80°	271.0	283.4	284.5	283.6	281.7	281.3	279.1	277.7	274.5	273.4	272.2
82.5°	206.2	220.7	222.8	223.7	222.2	222.5	220.4	219.5	216.5	216.1	214.1
85°	130.2	144.7	147.1	146.8	145.2	144.8	143.6	144.0	143.7	144.5	145.0
87.5°	59.8	73.9	77.3	76.2	76.0	75.0	72.8	73.6	74.9	75.8	75.9
90°	55.4	62.6	65.5	63.3	59.7	57.3	53.8	51.6	48.4	46.2	43.0
92.5°	74.8	79.3	83.9	79.8	75.8	71.7	67.7	63.6	59.7	55.5	51.6
95°	93.7	100.2	106.7	101.3	96.0	90.5	85.2	79.8	74.5	69.1	63.7
97.5°	105.3	112.9	120.6	115.2	109.8	104.4	99.0	93.6	88.2	82.9	77.4
100°	183.8	201.2	219.0	203.8	188.4	173.1	157.9	142.5	127.3	112.0	96.7
102.5°	418.7	461.7	504.7	466.2	427.5	388.9	350.3	311.6	273.0	234.4	195.8
105°	757.1	822.2	887.3	828.2	769.3	710.4	651.5	592.5	533.5	474.6	415.7
107.5°	1020.8	1081.8	1143.0	1089.7	1036.4	983.2	929.8	876.6	823.3	770.0	716.8
110°	1151.1	1199.3	1248.0	1212.1	1176.5	1140.7	1105.1	1069.3	1033.6	998.0	962.3



TEST NUMBER: P1444654  
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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°	1149.3	1184.5	1220.1	1199.1	1178.4	1157.5	1136.7	1115.9	1095.2	1074.4	1053.7
115°	1049.0	1069.8	1091.3	1083.1	1075.0	1066.9	1058.7	1050.7	1042.5	1034.4	1026.4
117.5°	923.4	933.6	944.6	943.3	941.9	940.6	939.3	937.9	936.8	935.5	934.3
120°	792.1	794.7	798.0	799.4	800.7	802.0	803.4	804.6	805.9	807.4	808.8
122.5°	680.7	678.8	677.4	678.7	680.0	681.2	682.4	683.8	685.1	686.4	687.7
125°	600.4	596.4	593.2	592.1	591.0	589.8	588.8	587.5	586.5	585.5	584.5
127.5°	541.5	537.0	533.4	530.5	527.6	524.4	521.5	518.5	515.5	512.4	509.6
130°	499.2	495.0	492.0	488.1	484.4	480.4	476.6	472.8	468.9	465.0	461.3
132.5°	467.8	464.0	461.3	457.6	453.9	450.3	446.6	442.9	439.2	435.5	431.8
135°	446.5	443.3	441.3	437.9	434.7	431.3	427.9	424.6	421.3	417.9	414.6
137.5°	427.5	424.4	422.8	420.2	417.6	415.0	412.4	409.7	407.1	404.4	401.8
140°	410.9	407.7	405.8	404.5	403.2	401.6	400.3	398.9	397.5	396.1	394.6
142.5°	397.7	394.7	393.3	392.4	391.7	390.8	390.1	389.2	388.4	387.5	386.7
145°	384.3	380.9	379.1	379.2	379.4	379.4	379.4	379.5	379.6	379.6	379.7
147.5°	374.4	371.0	369.3	369.6	369.9	370.2	370.6	370.8	371.2	371.5	371.8
150°	363.5	359.8	357.8	358.4	358.9	359.5	359.9	360.6	361.1	361.6	362.2
152.5°	354.1	349.6	347.4	348.0	348.6	349.1	349.8	350.4	351.0	351.6	352.3
155°	345.9	341.1	338.8	339.0	339.3	339.5	339.8	340.1	340.5	340.8	341.2
157.5°	340.2	335.3	333.2	333.2	333.3	333.5	333.6	333.6	333.8	334.0	334.3
160°	336.0	331.2	329.2	329.2	329.3	329.4	329.5	329.5	329.6	329.8	330.1
162.5°	332.0	327.4	325.4	325.4	325.4	325.4	325.5	325.5	325.7	325.7	326.0
165°	328.8	324.8	323.1	323.3	323.6	323.7	323.9	324.2	324.5	324.7	325.1
167.5°	328.8	325.4	324.0	323.9	323.8	323.6	323.6	323.4	323.4	323.3	323.3
170°	327.1	324.3	323.1	323.2	323.4	323.4	323.5	323.6	323.7	323.8	323.9
172.5°	326.2	324.2	323.3	323.7	324.0	324.2	324.6	324.8	325.2	325.4	325.8
175°	326.4	325.2	324.8	324.8	325.0	325.2	325.4	325.4	325.6	325.8	326.2
177.5°	328.0	327.6	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.4	327.4
180°	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2



TEST NUMBER: P1444654  
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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°	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8
2.5°	14209.0	14225.6	14224.4	14239.8	14239.1	14253.6	14250.7	14263.3	14260.4	14271.1	14264.8
5°	14675.1	14706.6	14717.1	14745.4	14751.4	14776.8	14777.3	14797.5	14795.1	14810.9	14802.5
7.5°	15116.0	15145.4	15159.4	15181.5	15192.5	15210.9	15218.0	15233.0	15236.6	15245.5	15245.3
10°	15153.2	15153.1	15160.1	15156.9	15163.1	15159.5	15167.1	15164.3	15175.5	15172.6	15181.0
12.5°	14652.6	14602.8	14584.7	14540.1	14530.3	14492.1	14494.7	14470.2	14482.1	14466.9	14492.7
15°	13576.5	13461.3	13404.3	13304.1	13272.6	13193.4	13187.0	13134.4	13148.6	13121.0	13161.3
17.5°	11986.4	11805.0	11705.4	11559.1	11501.0	11388.9	11366.4	11298.7	11309.2	11275.1	11323.7
20°	10090.6	9871.3	9745.8	9576.4	9501.0	9367.4	9332.0	9256.3	9265.7	9231.8	9286.7
22.5°	8173.2	7943.6	7801.8	7624.4	7528.1	7402.4	7364.7	7288.6	7293.0	7261.1	7313.9
25°	6411.1	6191.1	6053.4	5892.3	5808.6	5693.5	5653.8	5585.6	5589.4	5563.1	5610.5
27.5°	4959.5	4778.9	4663.8	4528.7	4453.7	4359.0	4320.4	4262.9	4262.8	4243.5	4283.2
30°	3875.6	3724.9	3621.5	3503.9	3433.4	3348.0	3310.7	3259.3	3257.0	3243.3	3274.8
32.5°	3034.5	2900.5	2806.1	2702.6	2639.4	2566.1	2530.7	2489.4	2485.7	2473.3	2499.2
35°	2358.9	2246.0	2164.9	2077.8	2084.2	1976.1	1994.0	1910.0	1887.3	1882.3	1901.5
37.5°	1823.2	1735.8	1669.9	1604.6	1560.4	1514.7	1490.1	1468.0	1465.5	1463.3	1476.8
40°	1427.1	1365.8	1318.0	1273.2	1242.8	1214.9	1199.5	1187.4	1184.4	1182.8	1191.0
42.5°	1155.0	1113.7	1082.8	1055.5	1037.0	1021.9	1013.4	1006.6	1004.4	1004.4	1009.2
45°	975.8	950.8	930.9	913.9	902.1	907.3	892.0	900.0	889.4	900.3	893.1
47.5°	859.3	838.0	825.7	813.7	806.5	800.8	801.0	801.0	803.4	803.7	806.0
50°	769.5	757.1	748.6	740.9	737.2	734.1	735.2	736.0	738.1	738.3	740.0
52.5°	702.9	694.8	689.7	684.9	683.2	681.5	682.3	681.9	683.0	682.4	683.9
55°	648.8	645.0	643.4	641.6	641.9	641.4	641.7	640.0	638.9	637.6	638.9
57.5°	604.4	603.8	605.0	605.7	607.8	608.5	608.9	607.0	605.1	603.4	604.4
60°	570.2	571.0	573.7	575.9	578.9	580.2	581.0	579.9	578.5	577.1	578.0
62.5°	536.4	537.7	540.9	543.4	547.0	548.8	550.8	550.9	551.4	550.9	551.5
65°	497.3	498.9	501.8	503.9	507.1	508.8	510.8	511.2	512.3	512.0	513.0
67.5°	467.4	468.9	471.3	473.3	476.2	477.9	479.7	479.8	480.2	480.1	481.1
70°	435.7	436.4	438.6	440.2	443.2	444.9	447.0	447.6	448.9	449.1	450.1
72.5°	401.8	401.5	402.8	403.5	405.7	407.1	409.7	411.3	413.4	414.0	414.7
75°	364.9	364.7	366.2	366.8	368.7	370.1	373.0	375.0	378.4	379.8	379.4
77.5°	322.2	322.9	325.9	327.5	330.0	331.8	335.6	338.7	344.9	347.6	344.9
80°	274.5	275.3	278.3	279.8	283.1	285.2	289.5	293.1	298.7	300.0	298.4
82.5°	215.8	216.0	218.7	219.8	224.1	227.2	232.8	235.6	239.1	238.6	238.1
85°	147.1	149.1	152.6	155.9	161.1	166.2	171.4	175.6	172.6	177.3	172.0
87.5°	78.6	78.4	83.1	82.3	89.6	93.8	98.4	100.5	102.9	102.4	102.5
90°	41.0	38.9	38.1	35.9	35.4	33.2	33.0	30.8	30.9	28.5	31.9
92.5°	47.5	45.4	43.1	41.1	38.8	36.7	34.4	32.3	30.0	27.9	30.0
95°	58.4	56.3	54.4	52.2	50.3	48.2	46.3	44.2	42.2	40.2	42.7
97.5°	72.1	70.9	69.8	68.6	67.5	66.2	65.1	63.9	62.6	61.5	63.2
100°	81.5	81.5	81.5	81.5	81.4	81.4	81.4	81.4	81.4	81.4	82.7
102.5°	157.1	153.3	149.4	145.5	141.7	137.9	134.0	130.1	126.3	122.4	128.1
105°	356.8	341.8	326.5	311.5	296.3	281.2	266.1	251.0	235.9	220.8	236.4
107.5°	663.6	636.0	608.5	581.0	553.4	525.9	498.3	470.9	443.3	415.8	440.5
110°	926.7	897.4	868.2	839.0	809.8	780.5	751.4	722.2	693.0	663.8	687.3



TEST NUMBER: P1444654  
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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°	1032.9	1013.9	995.0	976.3	957.4	938.6	919.8	901.1	882.3	863.5	874.9
115°	1018.4	1009.4	1000.4	991.5	982.6	973.6	964.6	955.7	946.8	937.9	938.6
117.5°	933.0	930.1	927.1	924.1	921.2	918.3	915.4	912.5	909.6	906.8	900.4
120°	810.3	811.2	812.2	813.3	814.3	815.5	816.5	817.6	818.8	819.9	811.4
122.5°	689.0	691.3	693.7	696.0	698.4	700.9	703.2	705.7	708.3	710.8	702.2
125°	583.3	585.6	587.9	590.2	592.4	594.9	597.3	599.8	602.3	604.9	597.7
127.5°	506.6	507.5	508.3	509.3	510.3	511.2	512.3	513.6	514.7	515.9	511.3
130°	457.4	456.7	456.0	455.5	454.8	454.4	453.9	453.5	453.1	452.8	450.7
132.5°	428.1	426.4	424.7	423.1	421.5	420.0	418.5	417.1	415.7	414.5	413.8
135°	411.3	408.9	406.5	404.1	401.9	399.7	397.5	395.5	393.5	391.5	391.8
137.5°	399.1	396.8	394.4	392.1	389.8	387.7	385.4	383.4	381.4	379.4	380.1
140°	393.3	390.8	388.4	386.1	384.0	381.8	379.7	377.7	375.5	373.7	374.1
142.5°	385.8	383.7	381.5	379.4	377.3	375.3	373.4	371.6	369.6	368.0	368.4
145°	379.7	378.2	376.6	375.0	373.6	372.1	370.5	369.2	367.9	366.7	367.0
147.5°	372.1	371.0	369.7	368.6	367.4	366.4	365.4	364.3	363.3	362.5	362.5
150°	362.7	362.0	361.2	360.5	359.7	359.0	358.3	357.6	357.0	356.5	356.3
152.5°	352.9	352.2	351.5	350.8	350.0	349.4	348.8	348.2	347.6	347.0	346.9
155°	341.6	341.2	340.9	340.6	340.2	340.1	339.7	339.6	339.3	339.1	339.2
157.5°	334.4	334.4	334.2	334.2	334.1	334.1	333.9	334.0	333.8	333.9	334.0
160°	330.3	330.1	329.8	329.6	329.5	329.2	328.9	328.8	328.7	328.5	328.7
162.5°	326.2	326.3	326.3	326.4	326.6	326.7	326.9	327.1	327.2	327.4	327.6
165°	325.4	325.3	325.2	325.0	325.0	325.0	324.9	325.0	324.9	324.9	325.3
167.5°	323.2	323.5	323.6	323.8	324.0	324.2	324.5	324.8	325.1	325.4	325.7
170°	324.0	324.0	324.0	324.0	324.0	324.1	324.2	324.2	324.3	324.4	324.6
172.5°	326.2	326.2	326.1	326.2	326.1	326.2	326.2	326.2	326.2	326.2	326.4
175°	326.2	326.5	326.7	326.9	327.0	327.1	327.3	327.5	327.7	327.9	327.9
177.5°	327.4	327.4	327.4	327.4	327.4	327.5	327.5	327.5	327.5	327.4	327.6
180°	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2



TEST NUMBER: P1444654  
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**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8
2.5°	14275.3	14268.2	14275.5	14268.1	14275.5	14266.6	14272.7	14263.0	14265.4	14255.5	14258.0
5°	14815.1	14803.7	14809.8	14795.0	14796.6	14776.8	14776.4	14753.4	14747.4	14721.2	14709.7
7.5°	15251.6	15247.8	15250.0	15240.4	15239.4	15225.8	15219.4	15200.4	15188.5	15164.3	15147.9
10°	15182.5	15193.7	15196.5	15207.8	15210.1	15221.5	15223.8	15235.0	15237.3	15245.7	15245.8
12.5°	14491.4	14529.2	14538.3	14584.9	14604.6	14658.0	14686.6	14745.4	14780.4	14839.1	14875.2
15°	13160.2	13225.6	13251.6	13342.8	13393.2	13499.6	13566.3	13688.5	13774.8	13904.5	13997.0
17.5°	11328.0	11419.3	11460.5	11584.1	11664.7	11821.8	11934.9	12121.2	12263.8	12470.8	12634.9
20°	9296.2	9397.7	9453.7	9594.6	9689.8	9873.2	10014.5	10243.5	10434.3	10696.6	10920.9
22.5°	7330.5	7427.1	7489.3	7632.7	7739.8	7931.1	8089.0	8330.7	8544.6	8840.2	9109.0
25°	5628.4	5717.0	5773.2	5902.9	6003.5	6179.3	6330.1	6562.4	6771.8	7068.2	7344.1
27.5°	4302.9	4377.0	4431.2	4541.8	4630.5	4779.6	4909.2	5101.2	5281.5	5538.1	5783.6
30°	3294.2	3360.0	3412.6	3508.9	3591.2	3720.5	3834.4	3995.7	4145.0	4349.0	4544.4
32.5°	2517.4	2574.0	2620.8	2705.2	2779.8	2896.2	2998.9	3140.2	3268.3	3441.4	3602.2
35°	1919.3	2030.7	2022.8	2139.2	2157.9	2241.4	2332.9	2456.6	2570.0	2717.2	2854.0
37.5°	1489.7	1521.1	1554.6	1606.0	1660.0	1736.0	1813.4	1964.4	2019.9	2131.1	2244.3
40°	1201.3	1222.5	1244.7	1279.4	1317.2	1370.8	1427.1	1499.2	1572.9	1663.2	1755.3
42.5°	1015.6	1027.6	1041.7	1062.1	1085.4	1119.4	1157.1	1205.9	1257.3	1320.8	1385.5
45°	907.4	901.7	905.9	916.9	930.9	951.6	975.4	1005.6	1039.1	1080.1	1123.9
47.5°	806.5	808.8	810.0	816.0	823.5	837.4	851.8	872.3	912.0	924.1	948.0
50°	739.9	741.0	740.6	743.7	747.5	756.5	765.8	779.7	793.6	812.0	829.6
52.5°	684.0	685.6	685.4	687.3	689.4	695.1	701.0	710.9	720.0	731.6	741.7
55°	639.9	642.1	642.9	644.6	645.5	648.6	650.9	655.6	659.4	666.1	672.2
57.5°	606.0	608.9	610.3	610.9	609.7	609.5	608.7	609.7	610.5	614.1	617.5
60°	579.3	581.6	582.0	581.6	579.5	577.9	575.4	574.6	574.2	575.9	577.8
62.5°	551.3	552.2	551.6	550.9	548.4	546.9	544.3	543.3	542.4	543.7	544.7
65°	512.7	513.4	512.7	512.3	510.0	508.8	506.6	505.9	504.7	504.9	504.7
67.5°	481.3	482.0	481.5	480.9	479.3	478.5	476.9	475.9	474.4	473.8	472.7
70°	450.0	450.6	449.7	449.1	447.4	446.6	445.1	444.9	443.6	443.3	442.2
72.5°	414.0	414.0	412.8	412.4	411.1	411.1	410.5	411.0	411.0	411.6	411.3
75°	377.1	376.6	375.1	374.8	373.8	374.3	373.6	374.5	374.6	376.0	376.1
77.5°	340.2	338.4	335.3	333.9	331.9	331.7	330.5	331.3	331.1	332.7	333.3
80°	293.6	291.3	287.5	285.7	283.3	282.9	281.9	282.9	282.4	284.3	285.5
82.5°	234.5	232.4	228.5	227.0	224.3	224.6	223.4	224.6	224.4	227.1	228.7
85°	173.4	172.1	168.0	164.4	160.4	158.0	155.7	155.3	154.6	155.7	156.7
87.5°	100.2	98.9	95.7	93.7	86.6	86.9	84.1	83.9	83.3	82.7	84.1
90°	32.6	35.6	36.4	39.3	40.3	43.4	44.6	47.7	48.8	52.2	53.7
92.5°	32.3	34.4	36.6	38.8	41.0	43.1	45.4	47.5	52.2	56.9	61.6
95°	45.2	47.8	50.3	52.8	55.3	57.8	60.3	62.8	69.7	76.5	83.4
97.5°	65.0	66.5	68.2	69.9	71.6	73.2	74.9	76.5	84.0	91.4	98.8
100°	84.0	85.4	86.7	88.1	89.5	90.8	92.1	93.5	107.8	122.1	136.3
102.5°	133.8	139.6	145.3	151.0	156.7	162.4	168.1	173.8	206.6	239.3	272.0
105°	252.0	267.6	283.2	298.9	314.5	330.1	345.8	361.4	413.7	466.1	518.5
107.5°	465.2	489.8	514.5	539.2	563.9	588.5	613.2	638.0	688.9	740.2	791.2
110°	710.8	734.3	757.7	781.4	804.8	828.3	851.8	875.5	906.1	936.7	967.3



TEST NUMBER: P1444654  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L930-UPL30

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	886.3	897.7	909.2	920.6	932.1	943.6	955.1	966.6	981.9	997.1	1012.3
115°	939.3	940.1	940.8	941.5	942.2	943.0	943.8	944.7	949.4	954.1	958.8
117.5°	894.2	887.8	881.5	875.2	868.9	862.7	856.6	850.4	849.3	848.1	847.1
120°	803.0	794.5	786.1	777.5	769.2	760.8	752.5	744.2	739.8	735.5	731.1
122.5°	693.8	685.4	676.9	668.4	660.2	651.8	643.6	635.4	632.3	629.1	625.9
125°	590.6	583.5	576.5	569.4	562.6	555.6	548.8	541.9	541.5	541.0	540.7
127.5°	507.0	502.6	498.2	494.0	489.9	485.7	481.5	477.3	478.8	480.4	481.8
130°	448.7	446.8	444.9	442.9	441.2	439.4	437.5	435.9	438.8	441.6	444.5
132.5°	413.4	413.0	412.6	412.2	412.0	411.7	411.6	411.3	414.6	418.0	421.3
135°	392.2	392.5	393.1	393.5	394.2	394.7	395.4	396.0	399.2	402.3	405.6
137.5°	380.7	381.5	382.3	383.1	384.1	385.0	386.0	386.9	389.4	391.8	394.3
140°	374.7	375.1	375.8	376.5	377.2	377.8	378.7	379.4	381.5	383.4	385.3
142.5°	369.0	369.4	370.0	370.7	371.4	372.1	372.8	373.5	374.8	376.2	377.8
145°	367.3	367.7	368.1	368.5	368.9	369.5	370.0	370.4	371.3	372.1	373.0
147.5°	362.7	362.9	363.1	363.4	363.8	364.0	364.2	364.5	365.0	365.5	366.0
150°	356.3	356.3	356.4	356.4	356.5	356.6	356.7	356.8	357.3	357.6	358.1
152.5°	347.0	346.9	346.9	347.0	347.1	347.1	347.1	347.2	347.6	348.0	348.4
155°	339.3	339.5	339.7	339.9	340.1	340.2	340.5	340.7	340.9	341.1	341.4
157.5°	334.2	334.3	334.5	334.7	334.9	335.1	335.3	335.4	335.7	335.9	336.0
160°	329.1	329.5	329.8	330.2	330.5	330.9	331.2	331.7	331.9	332.0	332.2
162.5°	327.8	327.9	328.2	328.4	328.6	328.7	328.9	329.1	329.5	329.8	330.3
165°	325.6	326.0	326.4	326.6	327.0	327.5	327.8	328.2	328.3	328.6	328.7
167.5°	326.2	326.4	326.9	327.1	327.5	327.9	328.2	328.6	328.7	328.8	329.1
170°	325.0	325.4	325.6	325.9	326.2	326.5	326.9	327.2	327.6	327.9	328.2
172.5°	326.7	327.0	327.2	327.4	327.7	328.0	328.3	328.6	328.9	329.2	329.5
175°	327.9	327.9	327.9	327.9	328.0	328.0	328.1	328.2	328.2	328.3	328.3
177.5°	327.8	327.9	328.1	328.2	328.4	328.6	328.7	328.9	328.9	328.9	328.9
180°	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2



TEST NUMBER: P1444654  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L930-UPL30

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8
2.5°	14248.1	14248.7	14237.2	14236.6	14225.8	14224.5	14213.9	14210.7	14202.3	14199.1	14190.5
5°	14680.4	14666.4	14634.0	14615.0	14583.0	14561.8	14527.3	14504.7	14471.3	14446.1	14412.5
7.5°	15117.6	15095.8	15059.5	15030.0	14985.8	14950.3	14898.4	14855.8	14799.7	14751.0	14691.9
10°	15245.8	15242.4	15233.1	15219.7	15199.1	15175.8	15140.5	15103.7	15054.5	15000.9	14935.3
12.5°	14930.2	14964.4	15010.8	15038.3	15071.8	15086.5	15100.3	15096.8	15087.8	15060.7	15022.7
15°	14131.1	14226.8	14353.6	14451.8	14564.8	14646.9	14737.7	14794.2	14850.6	14876.6	14892.5
17.5°	12859.8	13041.0	13268.3	13456.6	13674.0	13848.6	14039.9	14184.0	14332.1	14438.2	14534.2
20°	11226.7	11489.3	11810.8	12094.8	12425.0	12711.9	13026.4	13284.6	13550.8	13759.0	13956.0
22.5°	9455.4	9767.3	10156.0	10516.0	10941.7	11324.2	11755.9	12131.6	12523.9	12851.6	13168.5
25°	7713.6	8055.7	8480.6	8882.3	9364.4	9809.5	10321.4	10789.6	11296.6	11736.7	12171.6
27.5°	6123.1	6459.0	6892.8	7320.4	7830.3	8304.4	8852.9	9368.8	9946.1	10478.4	11022.9
30°	4815.9	5100.7	5489.8	5903.9	6406.8	6889.3	7443.7	7974.3	8574.8	9156.1	9769.5
32.5°	3815.5	4032.5	4338.3	4688.6	5152.5	5611.8	6139.8	6651.9	7243.4	7830.4	8468.4
35°	3030.2	3199.5	3432.7	3705.9	4098.8	4494.7	4961.8	5427.5	5979.3	6536.4	7156.5
37.5°	2389.5	2526.8	2709.4	2914.7	3229.8	3554.8	3937.7	4323.8	4803.2	5297.1	5859.2
40°	1866.0	1977.1	2119.3	2272.4	2510.3	2760.7	3056.9	3356.3	3741.4	4145.1	4610.2
42.5°	1465.8	1547.8	1648.3	1760.2	1982.2	2115.1	2315.9	2532.5	2815.6	3108.7	3458.3
45°	1177.2	1233.2	1302.8	1377.8	1480.9	1593.6	1731.1	1875.4	2144.3	2276.3	2489.0
47.5°	983.1	1020.6	1064.9	1112.2	1173.0	1238.6	1320.1	1403.5	1511.4	1623.1	1754.2
50°	852.4	890.5	905.8	930.3	965.4	1002.9	1048.9	1094.9	1152.7	1211.3	1278.8
52.5°	755.3	767.7	784.3	799.9	821.6	864.3	878.1	902.1	934.5	966.3	1001.7
55°	681.2	689.3	700.1	709.4	722.6	735.3	753.5	769.4	791.1	810.1	833.7
57.5°	623.5	628.7	636.2	642.3	650.9	657.9	668.6	677.3	689.7	700.5	714.8
60°	581.6	585.0	590.1	594.1	599.6	603.2	608.6	612.6	619.2	624.7	632.6
62.5°	547.4	549.2	552.4	554.8	558.3	560.2	562.9	564.7	568.4	571.1	575.6
65°	506.3	506.7	508.9	509.9	512.7	513.7	516.0	516.8	519.7	521.8	525.7
67.5°	472.7	471.8	471.8	471.0	471.3	470.6	470.8	470.0	471.1	471.8	474.8
70°	441.9	440.7	440.2	438.8	438.4	436.9	436.5	435.2	435.1	434.6	435.7
72.5°	412.0	411.6	411.7	410.7	410.6	409.7	409.7	409.1	409.7	410.1	411.4
75°	377.6	377.7	378.4	377.5	377.8	376.9	377.2	376.4	376.9	376.7	378.0
77.5°	335.7	336.7	338.5	338.1	338.7	337.7	338.2	337.1	337.4	336.7	337.2
80°	288.6	290.6	293.1	293.0	294.0	293.4	294.3	293.3	293.6	292.4	292.1
82.5°	232.6	234.4	237.0	237.0	239.4	239.8	242.3	242.2	243.8	242.8	242.1
85°	159.0	160.2	162.5	163.8	166.1	167.5	170.0	171.0	169.2	172.5	169.9
87.5°	83.1	86.1	84.4	88.4	87.5	91.5	90.6	94.5	93.7	97.0	96.5
90°	57.7	59.4	63.4	65.3	70.0	72.1	72.1	69.4	69.2	66.7	66.5
92.5°	66.2	71.0	75.7	80.4	85.1	89.9	85.5	81.1	76.7	72.4	68.0
95°	90.3	97.2	104.1	110.9	117.8	124.7	117.3	110.0	102.7	95.3	87.9
97.5°	106.2	113.5	120.9	128.3	135.7	143.1	134.4	125.7	116.9	108.3	99.6
100°	150.6	164.9	179.1	193.4	207.7	222.0	205.8	189.5	173.2	156.9	140.7
102.5°	304.8	337.5	370.3	403.0	435.7	468.5	433.9	399.4	364.9	330.4	295.9
105°	570.9	623.4	675.7	728.1	780.5	832.9	777.0	720.9	665.1	609.1	553.0
107.5°	842.2	893.4	944.5	995.5	1046.6	1097.8	1041.0	984.3	927.5	870.6	813.9
110°	998.1	1028.6	1059.4	1090.0	1120.7	1151.4	1109.9	1068.5	1026.9	985.4	944.0



TEST NUMBER: P1444654  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L930-UPL30

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	1027.6	1042.9	1058.1	1073.5	1088.8	1104.1	1074.4	1044.8	1015.0	985.3	955.5
115°	963.6	968.3	973.1	977.8	982.7	987.4	967.3	947.2	927.1	907.1	886.9
117.5°	846.0	845.1	843.9	843.0	841.9	840.9	829.6	818.2	806.8	795.4	784.2
120°	726.7	722.4	718.1	713.7	709.4	705.0	700.2	695.2	690.3	685.4	680.3
122.5°	622.8	619.8	616.6	613.5	610.3	607.1	605.2	603.1	601.1	598.9	596.9
125°	540.3	539.9	539.4	539.1	538.5	538.2	537.0	535.8	534.6	533.4	532.3
127.5°	483.3	484.9	486.3	487.7	489.1	490.6	490.1	489.6	489.1	488.6	488.2
130°	447.2	450.2	453.0	455.6	458.4	461.3	460.5	459.6	458.9	458.1	457.2
132.5°	424.7	428.0	431.3	434.7	437.9	441.1	440.2	439.3	438.3	437.4	436.4
135°	408.7	411.9	414.9	418.1	421.2	424.2	423.0	422.0	420.8	419.7	418.6
137.5°	396.8	399.2	401.6	404.1	406.4	408.9	407.7	406.6	405.4	404.3	403.2
140°	387.2	389.1	390.9	392.8	394.6	396.5	395.1	393.8	392.5	391.2	389.8
142.5°	379.0	380.4	381.7	383.1	384.4	385.8	383.9	382.3	380.6	378.8	377.1
145°	373.8	374.6	375.4	376.3	376.9	377.8	375.9	373.9	372.0	370.1	368.1
147.5°	366.4	366.8	367.1	367.7	368.0	368.4	366.5	364.7	363.0	361.1	359.2
150°	358.4	358.9	359.1	359.6	359.9	360.3	358.4	356.5	354.7	352.8	350.9
152.5°	348.8	349.1	349.4	349.8	350.1	350.5	348.6	347.1	345.2	343.4	341.8
155°	341.5	341.8	341.8	342.1	342.1	342.3	340.8	339.4	337.9	336.5	335.0
157.5°	336.2	336.4	336.6	336.7	336.9	336.9	335.9	334.8	333.6	332.5	331.3
160°	332.4	332.5	332.7	332.8	332.9	333.0	332.0	331.2	330.3	329.3	328.3
162.5°	330.6	330.9	331.1	331.4	331.8	332.0	331.0	329.9	328.8	327.7	326.4
165°	328.8	329.0	329.2	329.4	329.4	329.5	328.7	328.0	327.2	326.4	325.6
167.5°	329.2	329.4	329.5	329.6	329.7	329.8	329.0	328.3	327.5	326.7	325.9
170°	328.5	328.7	329.0	329.3	329.5	329.7	329.1	328.6	327.9	327.3	326.6
172.5°	329.7	329.9	330.1	330.3	330.5	330.9	330.2	329.5	328.9	328.3	327.6
175°	328.3	328.4	328.5	328.5	328.5	328.6	328.0	327.6	327.0	326.5	326.1
177.5°	328.9	328.9	328.9	328.9	328.9	328.9	328.6	328.2	327.9	327.6	327.1
180°	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2



TEST NUMBER: P1444654  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L930-UPL30

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8	14098.8
2.5°	14187.4	14181.2	14177.3	14172.2	14169.1	14165.2	14162.3	14159.8	14157.9	14156.0	14154.7
5°	14386.9	14355.2	14330.6	14303.9	14282.0	14260.2	14243.3	14229.4	14219.8	14212.6	14208.3
7.5°	14640.9	14582.9	14531.2	14476.9	14428.2	14380.2	14339.0	14303.4	14276.7	14259.4	14248.9
10°	14867.8	14790.1	14713.2	14632.2	14555.6	14481.2	14412.5	14352.1	14304.3	14272.5	14254.0
12.5°	14969.4	14903.2	14824.7	14736.9	14642.8	14547.8	14455.1	14371.5	14301.4	14254.2	14227.0
15°	14879.9	14852.7	14799.4	14731.2	14642.0	14543.7	14434.9	14332.5	14238.4	14177.4	14142.0
17.5°	14588.6	14626.4	14622.4	14596.3	14532.3	14449.5	14338.5	14223.7	14105.9	14024.3	13979.7
20°	14096.9	14216.2	14276.7	14307.8	14282.6	14228.9	14128.5	14011.8	13874.6	13768.1	13703.1
22.5°	13406.1	13616.7	13747.9	13843.8	13864.3	13845.9	13757.2	13646.4	13493.4	13365.4	13269.4
25°	12516.8	12825.3	13032.6	13195.1	13258.3	13274.6	13199.1	13088.8	12918.3	12769.2	12637.3
27.5°	11469.3	11870.1	12146.9	12365.4	12463.9	12506.7	12437.2	12324.6	12123.0	11944.9	11772.8
30°	10290.1	10765.5	11098.9	11360.7	11480.9	11537.4	11463.6	11338.0	11103.3	10889.0	10672.1
32.5°	9027.9	9548.2	9911.3	10195.8	10314.8	10368.0	10271.4	10130.4	9859.1	9606.7	9353.8
35°	7706.3	8231.5	8597.8	8874.7	8974.4	9006.5	8883.1	8720.0	8419.4	8142.4	7866.5
37.5°	6357.9	6846.5	7179.5	7427.9	7489.7	7495.2	7346.5	7166.4	6850.5	6577.3	6302.7
40°	5021.1	5433.2	5702.0	5900.9	5922.3	5903.2	5741.5	5560.3	5264.7	5020.0	4778.9
42.5°	3761.9	4073.0	4264.8	4401.1	4393.0	4355.2	4207.0	4051.1	3807.3	3621.0	3431.2
45°	2683.2	2888.4	3000.5	3080.2	3054.6	3018.6	2903.2	2794.0	2628.3	2507.9	2380.4
47.5°	1864.1	2109.0	2066.4	2222.2	2087.9	2176.7	1991.9	1890.0	1802.2	1738.2	1666.1
50°	1334.5	1390.6	1417.7	1436.2	1426.4	1412.8	1379.6	1349.9	1309.7	1280.5	1246.3
52.5°	1030.6	1058.7	1074.0	1085.1	1083.0	1078.0	1063.6	1050.3	1031.5	1019.1	1004.1
55°	873.0	873.4	901.7	889.5	907.4	886.4	894.7	871.4	875.2	855.2	841.9
57.5°	725.4	736.9	742.1	747.1	745.7	744.8	739.2	736.3	730.0	728.1	723.6
60°	638.1	644.1	645.4	647.7	645.7	645.0	640.6	639.0	634.8	634.0	631.0
62.5°	578.3	581.3	581.3	581.3	578.8	576.4	571.5	569.0	565.3	564.6	562.8
65°	528.3	531.5	532.0	532.6	530.9	529.0	524.7	521.9	518.2	516.8	514.8
67.5°	476.7	480.1	481.2	483.0	481.9	481.6	478.6	477.6	475.1	474.5	472.7
70°	436.2	437.6	437.5	437.5	435.1	433.1	429.7	428.1	425.5	425.0	423.4
72.5°	412.2	413.1	412.5	411.6	408.6	405.6	401.6	398.7	395.3	393.3	390.9
75°	378.2	379.5	378.6	378.1	375.4	373.5	370.3	368.7	366.3	365.6	364.0
77.5°	336.6	337.2	335.8	335.7	333.6	332.4	330.0	329.5	327.9	327.9	326.3
80°	290.2	289.8	287.7	287.2	285.2	284.6	282.8	282.9	281.5	282.1	281.0
82.5°	238.8	237.5	234.6	233.7	231.4	231.3	230.0	231.0	230.2	231.4	230.7
85°	171.1	171.5	170.2	170.2	169.6	169.8	169.7	170.5	170.6	171.7	171.6
87.5°	95.4	96.8	96.5	97.8	97.7	99.1	99.6	101.7	101.9	103.9	103.9
90°	64.0	63.9	61.3	61.5	60.2	61.4	60.5	61.7	60.5	61.3	59.8
92.5°	63.6	59.3	55.0	50.5	48.4	46.1	44.1	41.7	39.7	37.3	35.2
95°	80.5	73.2	65.8	58.4	55.9	53.3	50.7	48.2	45.7	43.2	40.6
97.5°	90.9	82.2	73.4	64.7	62.5	60.3	58.0	55.9	53.6	51.5	49.3
100°	124.4	108.1	92.0	75.6	73.7	71.9	70.0	68.2	66.4	64.5	62.6
102.5°	261.4	226.9	192.3	157.7	151.2	144.6	138.1	131.4	124.9	118.3	111.8
105°	497.1	441.1	385.1	329.0	311.2	293.5	275.6	257.9	240.1	222.3	204.5
107.5°	757.0	700.1	643.3	586.5	553.7	520.8	487.9	454.9	422.1	389.2	356.3
110°	902.5	860.9	819.4	777.8	751.4	724.9	698.4	671.8	645.5	618.8	592.3



TEST NUMBER: P1444654  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L930-UPL30

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	925.8	896.0	866.3	836.4	824.4	812.4	800.3	788.3	776.3	764.2	752.1
115°	866.7	846.7	826.4	806.1	801.9	797.7	793.4	789.0	784.7	780.4	776.0
117.5°	772.8	761.4	749.9	738.5	739.1	739.7	740.4	740.9	741.4	741.9	742.5
120°	675.3	670.4	665.4	660.3	664.0	667.4	670.9	674.3	677.8	681.1	684.6
122.5°	594.7	592.6	590.6	588.4	592.7	596.9	601.2	605.4	609.5	613.5	617.6
125°	531.1	529.9	528.7	527.4	531.7	535.9	540.1	544.3	548.5	552.5	556.6
127.5°	487.6	487.1	486.6	486.0	489.1	491.9	494.9	497.7	500.6	503.3	506.1
130°	456.4	455.6	454.8	454.0	456.6	459.3	462.0	464.4	467.0	469.3	471.7
132.5°	435.5	434.4	433.5	432.6	434.4	436.2	438.0	439.6	441.3	442.8	444.3
135°	417.5	416.3	415.2	413.9	415.7	417.3	418.9	420.4	422.0	423.4	424.8
137.5°	402.1	400.8	399.7	398.5	400.0	401.5	403.0	404.2	405.6	406.8	408.1
140°	388.4	387.1	385.9	384.4	385.7	386.9	388.3	389.4	390.6	391.6	392.7
142.5°	375.3	373.6	372.1	370.2	371.2	372.0	372.9	373.7	374.5	375.3	376.0
145°	366.2	364.2	362.2	360.3	361.1	361.7	362.4	363.1	363.6	364.1	364.7
147.5°	357.4	355.5	353.7	351.8	352.4	352.9	353.2	353.7	354.2	354.6	354.9
150°	349.1	347.1	345.2	343.3	343.7	344.2	344.5	345.0	345.3	345.7	345.9
152.5°	340.0	338.1	336.4	334.5	334.9	335.2	335.5	335.9	336.2	336.5	336.8
155°	333.6	332.0	330.5	328.9	329.4	329.6	329.8	330.2	330.4	330.7	330.8
157.5°	330.2	328.8	327.8	326.5	326.6	326.8	326.9	326.9	326.9	327.0	327.0
160°	327.3	326.2	325.3	324.2	324.3	324.4	324.5	324.5	324.5	324.4	324.5
162.5°	325.3	324.1	322.9	321.7	321.8	321.9	322.0	322.0	322.0	321.9	321.9
165°	324.7	323.9	323.0	322.1	322.1	322.0	321.9	321.7	321.6	321.3	321.3
167.5°	325.0	324.2	323.2	322.3	322.4	322.6	322.7	322.7	322.7	322.6	322.7
170°	326.0	325.2	324.6	323.8	323.7	323.7	323.5	323.4	323.3	323.1	323.0
172.5°	326.9	326.2	325.5	324.6	324.6	324.6	324.6	324.5	324.3	324.2	324.2
175°	325.4	324.9	324.4	323.8	323.8	323.8	323.7	323.7	323.6	323.5	323.4
177.5°	326.8	326.5	326.1	325.7	325.7	325.7	325.6	325.5	325.5	325.5	325.4
180°	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2	327.2



TEST NUMBER: P1444654  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L930-UPL30

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	14098.8	14098.8
2.5°	14153.4	14152.7
5°	14206.1	14205.2
7.5°	14246.1	14245.8
10°	14250.8	14253.2
12.5°	14222.4	14224.4
15°	14139.3	14143.2
17.5°	13980.5	13985.6
20°	13707.1	13712.4
22.5°	13264.3	13266.4
25°	12620.3	12611.1
27.5°	11742.5	11726.8
30°	10626.6	10611.3
32.5°	9296.0	9286.6
35°	7798.4	7792.3
37.5°	6221.6	6209.3
40°	4690.8	4655.1
42.5°	3348.2	3285.6
45°	2313.8	2239.7
47.5°	1615.3	1569.5
50°	1224.3	1209.5
52.5°	997.6	994.2
55°	841.8	840.3
57.5°	724.7	724.1
60°	632.6	632.4
62.5°	564.0	564.3
65°	515.7	515.8
67.5°	473.1	472.8
70°	424.0	423.6
72.5°	390.1	389.5
75°	364.0	363.6
77.5°	326.8	326.2
80°	281.8	281.0
82.5°	231.7	230.9
85°	172.9	172.9
87.5°	105.8	105.7
90°	60.5	58.7
92.5°	33.1	31.0
95°	38.1	35.6
97.5°	47.1	44.9
100°	60.9	59.0
102.5°	105.2	98.7
105°	186.8	169.0
107.5°	323.4	290.5
110°	565.8	539.3



TEST NUMBER: P1444654  
CATALOG NUMBER: EHBR1-18-UNV-TA-L930-UPL30

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	740.0	727.9
115°	771.5	767.2
117.5°	742.9	743.4
120°	687.7	691.1
122.5°	621.5	625.5
125°	560.5	564.4
127.5°	508.7	511.2
130°	473.8	476.1
132.5°	445.7	447.1
135°	426.0	427.2
137.5°	409.1	410.1
140°	393.5	394.4
142.5°	376.5	377.1
145°	365.1	365.5
147.5°	354.9	355.3
150°	346.1	346.4
152.5°	336.9	337.1
155°	331.0	331.1
157.5°	326.9	326.9
160°	324.4	324.4
162.5°	321.8	321.9
165°	321.0	320.7
167.5°	322.6	322.7
170°	322.9	322.8
172.5°	324.0	323.9
175°	323.3	323.3
177.5°	325.4	325.4
180°	327.2	327.2

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-5

Test Date: 08/01/2025

Luminaire Tested: EHBR-60-L930-N

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

**Test Information**

Test Method: LM-79-2019  
 Report Number: SP1-2506-472-5  
 Test Lab: COOPER LIGHTING SOLUTIONS  
 Photometer: SP1 - 76IN SPHERE  
 Measurement Geometry: 4π  
 Issue Date: 08/05/2025  
 Manufacturer: COOPER LIGHTING SOLUTIONS  
 Product Line: Metalux  
 Catalog Number: **EHBR-60-L930-N**  
 Description: Elevate Round Highbay at, 60000 lumens, 3000K 90CRI LEDs with N lens

**Spectral Parameters**

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

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



**Test Conditions**

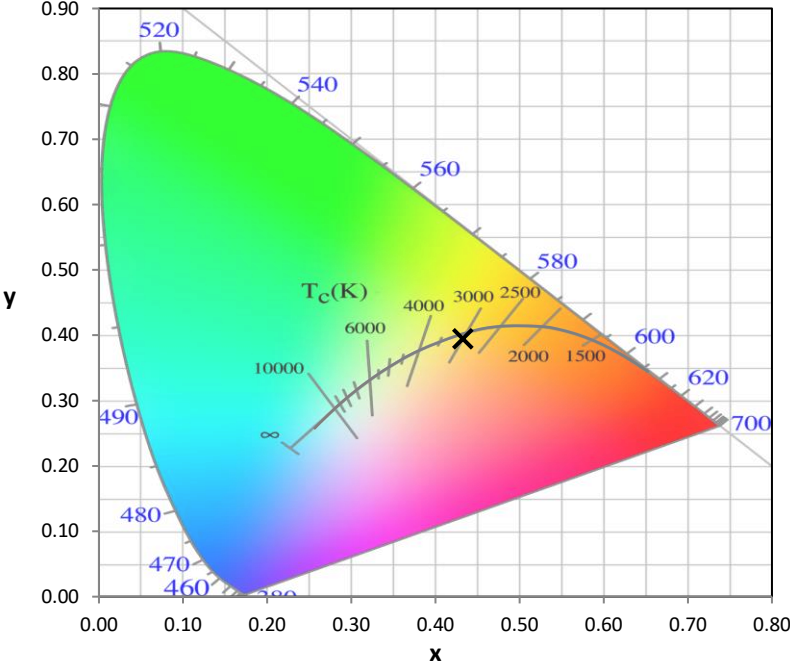
Stabilization Time: 40M  
 Operation Time: 1H 40M  
 Sphere Temperature (°C): 25.0

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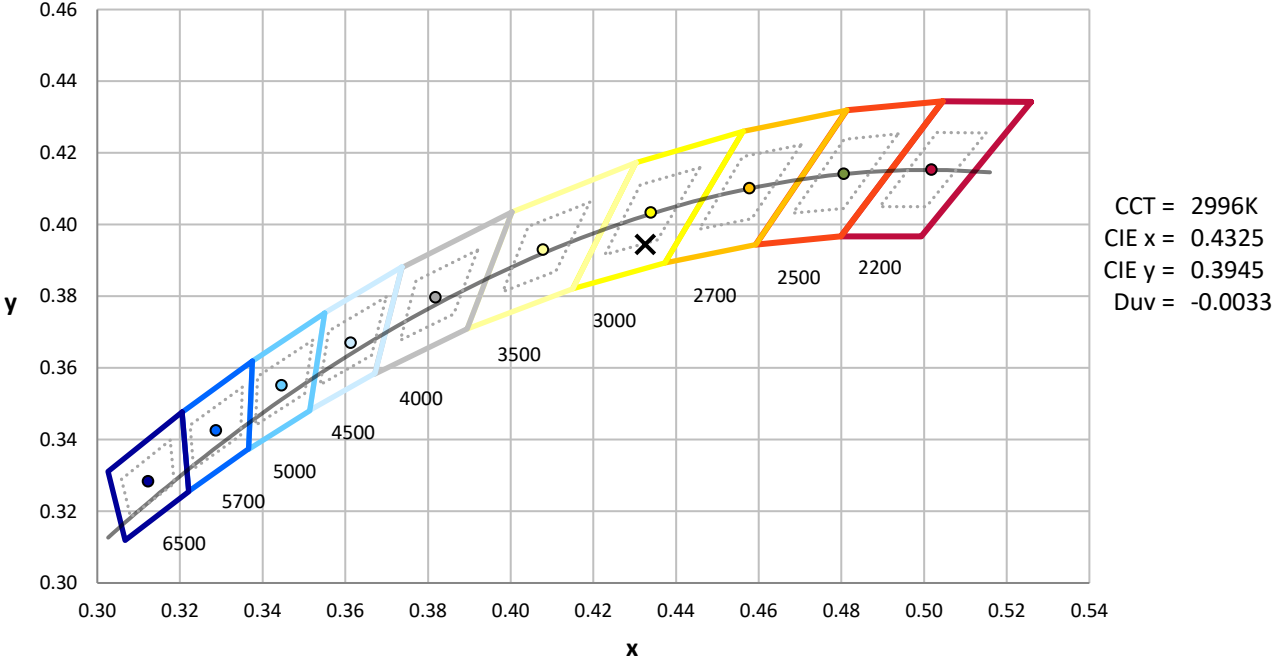
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208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

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CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 3000K 7-step quadrangle

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**Photopic Flux vs. Wavelength**

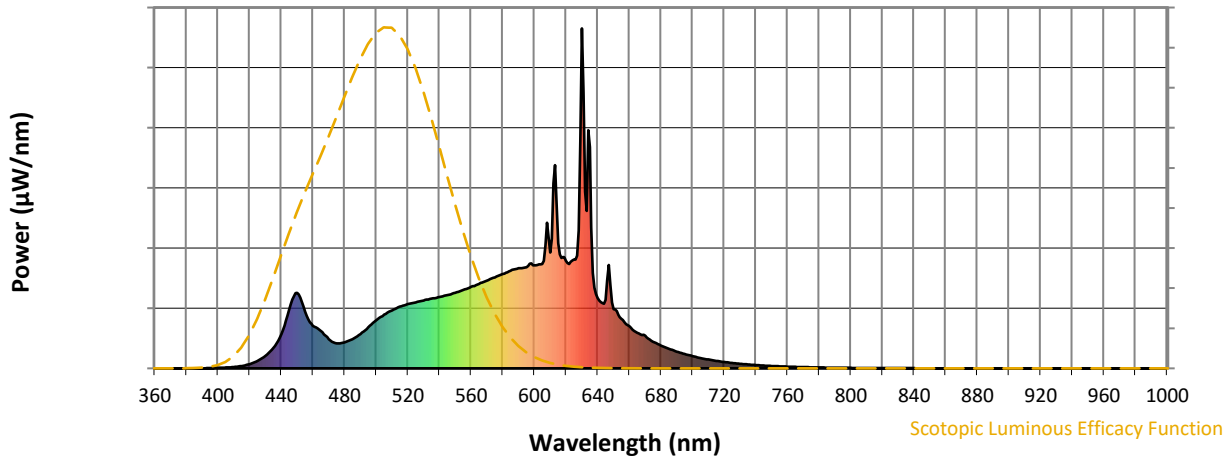


**Photopic Lumens: NR**

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

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**Scotopic Flux vs. Wavelength**



**Scotopic Lumens: NR**

**S/P: 1.44**

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

REPORT NUMBER: SP1-2506-472-5

**Melanopic Flux vs. Wavelength**



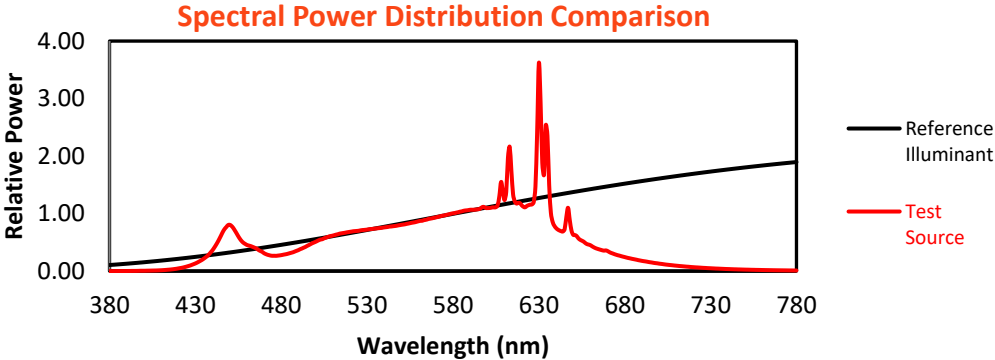
**Melanopic Lumens: NR**

**M/P: 2.85**

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

**Summary**

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



**Color Vector Graphics**

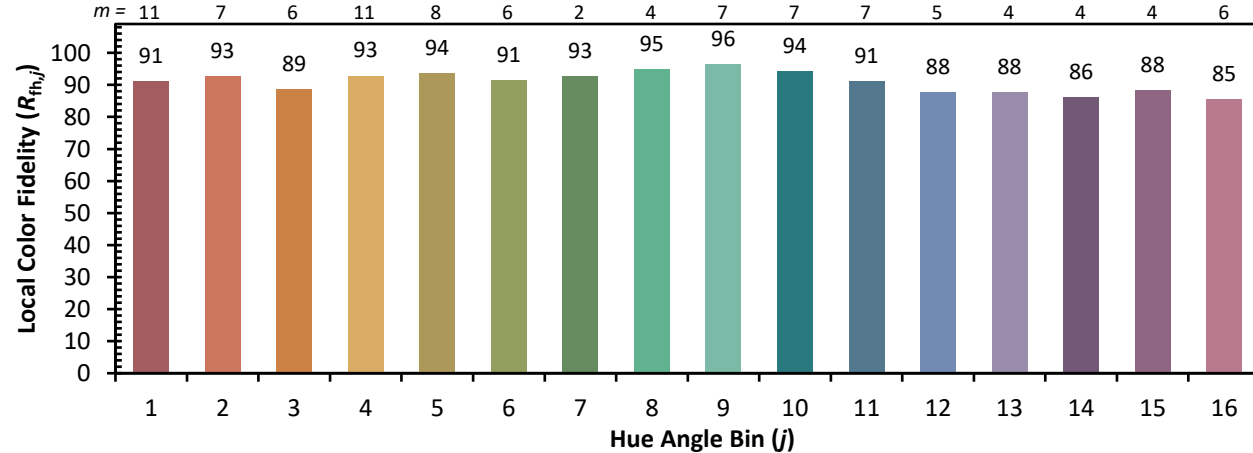


**Individual Sample Fidelity Index ( $R_{f,i}$ )**

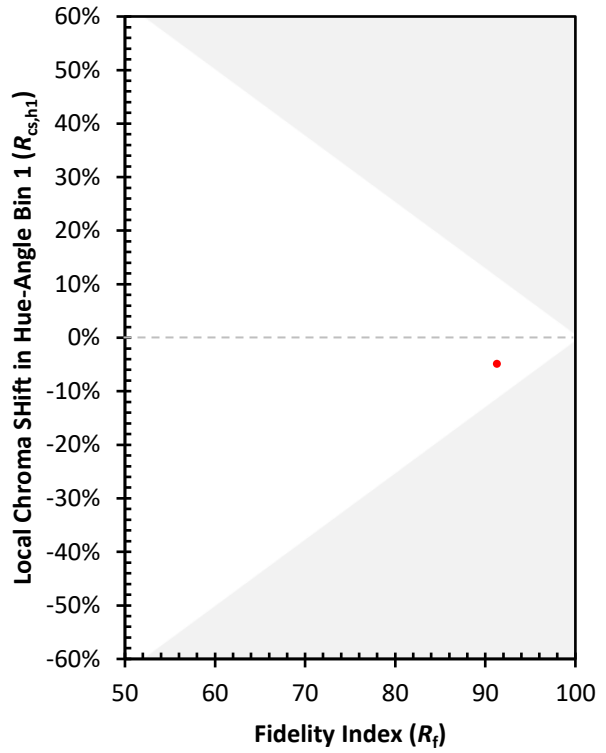
CES01 = 86	CES26 = 91	CES51 = 96	CES76 = 89
CES02 = 63	CES27 = 96	CES52 = 95	CES77 = 85
CES03 = 32	CES28 = 96	CES53 = 93	CES78 = 86
CES04 = 70	CES29 = 90	CES54 = 98	CES79 = 89
CES05 = 51	CES30 = 96	CES55 = 98	CES80 = 91
CES06 = 51	CES31 = 90	CES56 = 95	CES81 = 72
CES07 = 44	CES32 = 84	CES57 = 95	CES82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



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)