

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: P1444583

Luminaire Tested: EHBR1-18-UNV-TA-L850-UPL36

Issue Date: 5/1/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1444583  
REPORT IS A COMBINATION OF REPORTS P1444346 AND P1431635  
Test Lab: INNOVATION CENTER  
Issue Date: 5/1/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: EHBR1-18-UNV-TA-L850-UPL36  
Description: Elevate Round Highbay at, 18000 lumens, 5000K 80CRI LEDs with TA lens  
Light Source: -  
Ballast/Driver: -

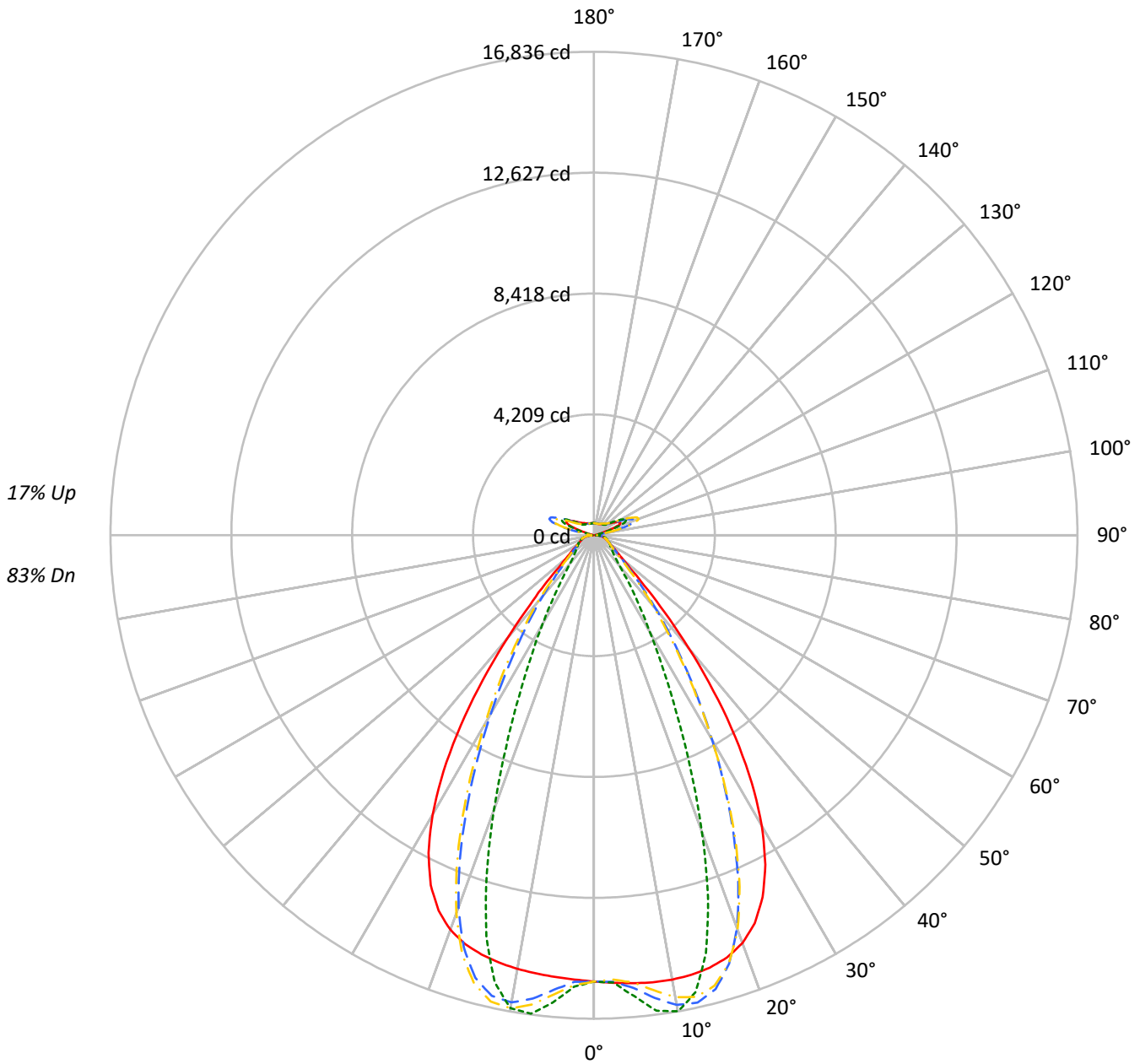
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21609.2 lumens  
Efficiency: N/A  
Efficacy: 175.5 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): 123.1  
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	115	115	115	115	110	110	110	110	102	102	102	94	94	94	86	86	86	86	86	86	83
1	108	104	101	98	103	100	97	95	93	91	89	86	85	83	80	79	78	78	78	78	75
2	101	95	90	86	97	91	87	83	85	82	79	80	77	75	75	72	71	71	71	71	68
3	94	87	81	76	91	84	78	74	79	74	71	74	70	67	69	67	64	64	64	64	62
4	88	80	73	68	85	77	71	67	73	68	64	69	65	61	65	62	59	59	59	59	57
5	83	73	67	62	80	71	65	60	68	62	58	64	60	56	61	57	54	54	54	54	52
6	78	68	61	56	75	66	60	55	63	58	54	60	55	52	57	53	50	50	50	50	48
7	74	63	56	52	71	62	55	51	59	53	49	56	51	48	53	50	47	47	47	47	45
8	70	59	52	48	67	58	51	47	55	50	46	53	48	45	50	46	43	43	43	43	42
9	66	55	49	44	64	54	48	44	52	46	43	50	45	42	48	44	41	41	41	41	39
10	62	52	45	41	61	51	45	41	49	43	40	47	42	39	45	41	38	38	38	38	36

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

	0°	90°	180°	270°
0°	72981	72981	72981	72981
5°	73334	75473	72308	76461
10°	73947	79241	72173	78716
15°	74309	71831	72047	68939
20°	73541	53512	71134	49511
25°	69609	33843	67309	30707
30°	60809	20337	58454	18586
35°	46799	12762	44107	11305
40°	29604	8005	27085	7522
45°	15259	6236	15006	6134
50°	8946	5547	8672	5460
55°	6854	5248	6600	5201
60°	5799	5361	5553	5291
65°	5447	5599	5238	5407
70°	5322	5862	5057	5643
75°	5690	6218	5383	5942
80°	5887	6885	5338	6284
85°	5546	6642	4481	5688

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 25°  
 Vertical Angle: 45°  
 Luminance: 23351 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1531.6	7.1
10°-20°	4308.5	19.9
20°-30°	4907.0	22.7
30°-40°	3526.9	16.3
40°-50°	1626.6	7.5
50°-60°	778.4	3.6
60°-70°	568.0	2.6
70°-80°	431.5	2.0
80°-90°	202.7	0.9
90°-100°	101.6	0.5
100°-110°	635.1	2.9
110°-120°	1174.2	5.4
120°-130°	705.0	3.3
130°-140°	435.8	2.0
140°-150°	309.4	1.4
150°-160°	206.6	1.0
160°-170°	120.2	0.6
170°-180°	40.2	0.2
0°-30°	10747.1	49.7
0°-40°	14274.0	66.1
0°-60°	16679.1	77.2
0°-90°	17881.2	82.7
90°-120°	1910.8	8.8
90°-150°	3360.9	15.6
90°-180°	3728.0	17.3
0°-180°	21609.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	15541	15541	15541	15541	15541	
5°	15658	16115	15439	16326	15658	1496
15°	15590	15070	15115	14463	15590	4392
25°	13901	6758	13442	6132	13901	6302
35°	8589	2342	8095	2075	8589	5271
45°	2469	1009	2428	992	2469	2100
55°	926	709	892	703	926	855
65°	568	584	547	564	568	568
75°	401	438	379	419	401	417
85°	191	228	154	196	191	179
90°	69	83	32	36	69	41
95°	47	53	47	53	47	45
105°	224	293	148	293	224	298
115°	1019	1247	1067	1247	1019	939
125°	747	802	848	803	747	681
135°	562	516	607	517	562	439
145°	478	479	511	481	478	302
155°	430	440	462	442	430	201
165°	415	420	432	421	415	118
175°	417	423	426	423	417	40
180°	422	422	422	422	422	



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**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7
2.5°	15600.2	15598.9	15598.7	15597.6	15597.3	15597.3	15596.7	15595.4	15594.7	15592.9	15590.9
5°	15658.0	15657.3	15657.7	15657.8	15656.7	15654.4	15650.5	15645.8	15640.0	15634.4	15629.5
7.5°	15702.8	15703.9	15705.3	15705.0	15701.5	15695.8	15688.1	15683.7	15686.3	15694.7	15714.1
10°	15711.0	15717.6	15720.2	15719.4	15712.6	15707.7	15709.7	15726.1	15758.9	15802.6	15862.4
12.5°	15679.1	15687.3	15687.0	15684.3	15677.8	15684.4	15708.3	15757.2	15827.6	15913.8	16014.9
15°	15589.6	15600.3	15597.3	15593.8	15589.3	15611.4	15659.0	15744.1	15852.6	15974.2	16098.7
17.5°	15416.0	15428.8	15422.6	15418.6	15414.9	15456.1	15537.9	15662.5	15799.2	15936.8	16054.7
20°	15114.8	15123.4	15108.5	15101.5	15107.4	15188.1	15308.6	15467.7	15611.8	15741.9	15822.5
22.5°	14623.2	14633.9	14606.1	14602.8	14637.1	14760.9	14913.4	15091.4	15226.8	15329.8	15360.9
25°	13900.9	13911.4	13878.4	13898.2	13956.5	14125.1	14306.8	14497.2	14612.6	14689.0	14667.9
27.5°	12926.1	12935.6	12904.3	12944.7	13037.0	13258.5	13472.2	13678.7	13781.7	13835.2	13767.4
30°	11696.6	11716.4	11679.4	11735.7	11876.6	12164.2	12409.1	12640.6	12743.3	12784.1	12678.6
32.5°	10236.3	10264.6	10223.8	10307.4	10504.1	10849.6	11127.8	11386.6	11500.0	11546.6	11427.3
35°	8589.2	8629.8	8583.1	8708.7	8951.2	9335.9	9644.0	9932.9	10067.3	10133.2	10013.2
37.5°	6844.3	6883.0	6857.7	7025.4	7291.6	7690.4	8004.9	8316.5	8468.3	8567.2	8472.5
40°	5131.2	5166.6	5185.7	5377.5	5628.0	6003.8	6305.9	6614.2	6784.0	6908.2	6849.7
42.5°	3621.7	3657.3	3722.4	3907.5	4116.3	4427.4	4686.3	4963.1	5125.3	5257.7	5235.2
45°	2468.8	2510.2	2591.8	2743.3	2894.4	3117.7	3307.6	3522.9	3655.5	3776.8	3778.1
47.5°	1730.0	1759.1	1832.0	1935.5	2034.0	2313.4	2324.9	2430.6	2519.7	2610.4	2622.2
50°	1333.2	1350.8	1389.5	1447.2	1503.0	1575.5	1641.9	1718.6	1773.4	1823.1	1835.0
52.5°	1095.8	1107.0	1126.7	1157.9	1190.3	1229.7	1265.3	1307.4	1337.2	1363.8	1369.4
55°	926.2	935.4	964.7	970.7	1007.7	1014.8	1030.6	1056.2	1073.6	1089.5	1093.5
57.5°	798.2	804.9	811.1	824.3	835.8	852.3	865.7	884.1	895.1	906.5	907.5
60°	697.1	701.9	706.5	715.6	723.4	734.9	744.2	756.6	764.5	773.2	774.1
62.5°	622.0	625.4	628.4	634.5	640.1	648.9	656.2	666.6	673.9	680.6	682.1
65°	568.5	571.1	573.0	577.6	582.4	590.0	596.5	605.1	610.5	615.6	616.7
67.5°	521.2	523.7	525.5	529.7	533.1	538.8	543.2	549.6	553.6	557.7	557.8
70°	467.0	469.1	470.7	474.6	477.3	482.1	485.7	491.4	495.7	500.2	501.4
72.5°	429.4	430.7	432.7	436.3	440.1	445.2	450.0	456.0	461.0	465.7	467.8
75°	400.8	402.3	403.7	406.8	409.3	413.7	417.3	422.8	427.1	432.2	434.7
77.5°	359.6	361.4	362.5	365.6	367.8	372.0	374.6	379.6	383.1	387.7	390.0
80°	309.7	311.4	312.3	315.1	316.9	320.7	323.4	328.1	331.0	335.6	338.4
82.5°	254.5	256.1	256.6	259.3	260.3	263.4	265.3	270.2	273.9	279.9	284.0
85°	190.6	191.2	192.0	191.3	195.3	195.5	199.9	200.7	206.4	207.9	214.5
87.5°	116.5	118.3	119.2	121.8	122.9	125.5	126.3	129.2	130.7	134.0	135.5
90°	69.3	73.3	75.5	80.1	82.2	86.3	88.4	92.9	95.2	99.8	103.5
92.5°	40.8	43.7	46.6	49.7	52.6	55.8	58.8	61.9	64.8	68.1	73.9
95°	46.9	50.2	53.5	56.9	60.2	63.7	67.0	70.3	73.7	77.0	86.7
97.5°	59.2	62.2	65.0	68.0	70.8	73.8	76.6	79.6	82.4	85.4	97.0
100°	77.8	80.3	82.7	85.2	87.6	90.1	92.5	95.0	97.4	99.9	121.4
102.5°	130.6	139.4	148.0	156.8	165.4	174.1	182.8	191.4	200.1	208.8	254.7
105°	223.8	247.3	271.1	294.7	318.4	342.0	365.7	389.3	412.9	436.5	511.1
107.5°	385.4	429.1	472.9	516.6	560.4	604.1	647.9	691.5	735.3	778.9	854.6
110°	716.2	751.3	786.6	821.8	857.0	892.4	927.6	962.6	997.9	1033.1	1088.4



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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°	966.9	982.9	998.8	1014.9	1030.8	1046.8	1062.7	1078.7	1094.7	1110.6	1150.2
115°	1018.8	1024.5	1030.2	1035.8	1041.6	1047.3	1053.0	1058.6	1064.3	1069.8	1096.7
117.5°	986.7	985.8	985.0	984.3	983.4	982.6	981.7	980.9	979.9	979.0	994.3
120°	916.7	912.0	907.4	902.7	898.0	893.3	888.6	884.0	879.1	874.3	881.0
122.5°	828.7	823.1	817.6	812.0	806.4	800.8	795.1	789.4	783.7	778.1	780.8
125°	747.0	741.3	735.9	730.1	724.5	718.7	713.1	707.3	701.6	695.8	697.5
127.5°	675.6	671.9	667.9	664.0	660.1	656.1	652.0	648.1	644.1	640.0	640.7
130°	628.3	624.8	621.4	618.0	614.5	610.9	607.2	603.7	600.2	596.4	597.6
132.5°	589.1	586.9	584.6	582.2	579.7	577.2	574.7	572.1	569.6	567.1	568.3
135°	562.0	559.8	557.8	555.6	553.4	551.1	548.8	546.3	544.0	541.6	543.1
137.5°	538.6	536.8	534.9	532.9	530.9	528.8	526.8	524.5	522.5	520.2	521.7
140°	517.3	515.6	514.0	512.2	510.4	508.6	506.7	504.7	502.8	500.8	502.6
142.5°	493.7	492.4	491.2	490.0	488.7	487.1	485.6	484.2	482.8	481.2	483.5
145°	477.8	476.8	475.8	474.7	473.6	472.5	471.3	469.9	468.8	467.6	470.0
147.5°	463.7	462.9	462.3	461.4	460.7	459.6	458.7	457.6	456.9	455.8	458.0
150°	451.5	450.7	450.1	449.3	448.4	447.5	446.6	445.7	444.9	443.8	446.1
152.5°	438.9	438.1	437.5	436.7	435.9	435.0	434.3	433.3	432.5	431.5	433.6
155°	430.5	429.7	429.1	428.3	427.6	426.7	425.9	425.0	424.2	423.3	424.9
157.5°	424.4	424.0	423.5	422.8	422.4	421.8	421.2	420.5	420.0	419.4	420.7
160°	420.6	420.1	419.6	418.9	418.5	417.9	417.4	416.7	416.2	415.6	416.7
162.5°	416.9	416.3	415.7	415.2	414.7	414.0	413.5	413.0	412.5	411.9	413.1
165°	414.9	414.7	414.4	414.1	413.8	413.5	413.2	412.9	412.7	412.3	413.1
167.5°	417.1	416.6	416.1	415.6	415.2	414.6	414.1	413.6	413.2	412.7	413.5
170°	416.8	416.5	416.3	416.1	415.9	415.7	415.5	415.2	415.0	414.8	415.5
172.5°	418.1	417.8	417.7	417.6	417.4	417.2	417.1	416.9	416.8	416.5	417.4
175°	417.1	416.9	416.8	416.7	416.6	416.5	416.4	416.3	416.3	416.1	416.7
177.5°	419.6	419.5	419.5	419.5	419.5	419.4	419.4	419.3	419.2	419.2	419.6
180°	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1



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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°	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7
2.5°	15589.3	15587.5	15584.9	15581.6	15578.7	15575.5	15567.7	15565.4	15568.0	15569.7	15573.3
5°	15626.4	15627.5	15628.0	15635.0	15641.1	15656.3	15775.9	15823.4	15860.2	15883.5	15918.9
7.5°	15738.1	15774.0	15809.6	15857.4	15898.6	15954.3	16163.5	16252.6	16315.8	16361.3	16417.3
10°	15927.4	16005.8	16079.3	16165.6	16239.6	16324.4	16519.2	16605.9	16660.6	16700.5	16737.7
12.5°	16118.0	16226.7	16325.1	16421.0	16501.2	16574.8	16643.2	16673.6	16676.1	16677.4	16657.7
15°	16217.3	16321.3	16407.9	16471.3	16518.5	16539.3	16421.4	16359.6	16281.4	16217.0	16111.0
17.5°	16154.7	16217.0	16254.4	16250.7	16231.3	16166.0	15832.2	15648.5	15466.1	15301.8	15086.3
20°	15876.1	15871.3	15838.7	15746.5	15635.4	15462.6	14890.1	14559.8	14240.4	13959.9	13619.7
22.5°	15357.7	15276.2	15162.5	14963.6	14742.8	14440.9	13620.5	13134.5	12690.0	12297.2	11857.3
25°	14606.8	14439.0	14229.3	13913.6	13570.4	13130.1	12118.9	11514.6	10980.7	10517.7	10010.1
27.5°	13645.6	13392.9	13085.5	12648.7	12183.7	11619.7	10498.5	9831.5	9258.6	8762.2	8221.9
30°	12507.7	12179.1	11782.2	11240.0	10679.1	10039.4	8902.3	8226.8	7646.7	7136.2	6595.4
32.5°	11221.8	10836.9	10371.9	9763.4	9156.7	8499.0	7400.9	6747.0	6192.9	5701.6	5212.3
35°	9803.6	9390.8	8898.8	8278.1	7675.1	7035.7	6028.0	5438.5	4949.1	4514.9	4119.8
37.5°	8282.3	7876.9	7409.3	6824.3	6265.2	5685.7	4816.3	4322.2	3911.6	3551.2	3246.1
40°	6700.5	6345.8	5941.2	5435.4	4958.2	4475.7	3762.0	3369.8	3045.8	2770.9	2542.3
42.5°	5138.1	4863.3	4553.0	4153.3	3788.2	3420.7	2871.4	2580.8	2340.8	2142.9	1981.3
45°	3727.9	3544.0	3335.9	3058.0	2805.4	2549.1	2158.2	1953.9	1797.7	1670.1	1562.2
47.5°	2606.0	2499.3	2492.8	2236.1	2050.8	1894.0	1642.2	1513.2	1417.4	1340.1	1271.9
50°	1830.1	1778.5	1714.4	1622.7	1536.8	1448.2	1294.7	1216.7	1160.7	1113.8	1070.7
52.5°	1368.1	1341.4	1307.2	1258.6	1212.0	1162.1	1065.1	1015.4	997.8	954.2	920.0
55°	1092.8	1077.4	1058.0	1029.4	1001.0	989.7	906.5	869.6	846.3	829.1	810.7
57.5°	907.7	896.2	884.7	865.4	849.0	829.1	784.9	766.0	752.1	742.0	729.2
60°	774.2	767.5	761.0	749.6	740.7	730.0	701.9	691.3	684.1	678.0	669.8
62.5°	683.4	679.8	676.5	670.5	666.0	660.2	640.9	635.8	632.2	629.1	624.2
65°	617.8	615.2	613.4	609.4	607.1	603.7	587.2	583.8	581.5	580.4	577.6
67.5°	558.1	555.5	554.3	551.5	550.5	548.4	534.9	533.0	532.2	532.6	531.5
70°	502.4	501.4	501.8	501.5	502.7	503.1	495.0	494.9	495.8	497.4	497.6
72.5°	469.0	469.0	469.6	469.9	471.1	471.7	464.9	464.6	465.0	466.3	466.3
75°	437.2	437.7	439.5	440.1	441.4	441.7	432.8	431.7	431.8	433.0	432.6
77.5°	393.2	395.1	398.4	400.1	402.9	403.4	393.3	392.1	392.1	393.4	392.3
80°	343.3	346.9	352.1	355.8	360.0	361.8	351.4	348.9	346.6	346.3	344.2
82.5°	290.3	294.7	301.0	304.2	308.7	309.8	292.4	289.2	287.2	287.4	285.5
85°	221.6	224.9	230.6	232.5	235.3	235.1	215.2	206.8	209.0	205.5	208.2
87.5°	139.0	141.0	144.5	145.0	146.3	146.0	126.1	122.2	121.0	121.1	119.6
90°	109.5	113.6	119.5	122.4	127.2	129.7	116.3	117.2	113.4	111.8	107.4
92.5°	79.9	85.7	91.6	97.5	103.5	109.4	113.5	118.8	112.7	106.4	100.3
95°	96.6	106.4	116.2	126.0	135.8	145.7	155.5	165.3	156.2	147.0	137.8
97.5°	108.5	120.1	131.6	143.3	154.9	166.5	178.1	189.7	179.9	169.9	160.1
100°	143.1	164.7	186.3	207.9	229.7	251.3	273.0	294.6	275.6	256.6	237.5
102.5°	300.7	346.7	392.6	438.6	484.5	530.5	576.6	622.6	579.0	535.3	491.6
105°	585.6	660.1	734.6	809.0	883.5	958.0	1032.7	1107.1	1037.5	967.7	898.0
107.5°	930.1	1005.8	1081.3	1156.8	1232.5	1308.0	1383.9	1459.5	1391.5	1323.4	1255.5
110°	1143.6	1198.9	1254.1	1309.3	1364.5	1419.8	1475.3	1530.6	1489.8	1449.1	1408.3



TEST NUMBER: P1444583  
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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°	1189.7	1229.4	1268.9	1308.5	1347.9	1387.5	1427.5	1467.2	1446.9	1426.6	1406.3
115°	1123.4	1150.3	1177.1	1203.9	1230.7	1257.4	1284.8	1311.7	1305.4	1299.1	1292.9
117.5°	1009.4	1024.4	1039.6	1054.8	1069.8	1084.9	1100.8	1116.2	1117.5	1119.0	1120.6
120°	887.7	894.3	900.8	907.4	914.0	920.6	928.2	934.9	940.9	946.6	952.6
122.5°	783.7	786.3	789.1	791.9	794.6	797.2	801.1	804.2	808.4	812.6	817.0
125°	699.1	700.8	702.3	704.0	705.4	707.0	710.0	711.8	712.4	713.2	713.8
127.5°	641.4	642.1	642.8	643.5	644.1	644.8	646.9	647.8	645.9	644.2	642.3
130°	598.7	599.8	600.9	601.8	602.9	604.1	606.7	608.1	604.5	600.8	597.2
132.5°	569.6	570.9	572.1	573.6	574.8	576.1	579.0	580.6	576.3	572.1	567.8
135°	544.6	546.1	547.6	549.1	550.7	552.2	555.5	557.3	553.4	549.2	545.2
137.5°	523.2	524.7	526.2	527.8	529.3	530.8	534.4	536.2	533.2	529.8	526.8
140°	504.2	506.0	507.8	509.5	511.3	513.2	516.9	519.1	516.8	514.3	511.9
142.5°	485.5	487.9	490.1	492.3	494.6	496.9	501.4	504.0	502.3	500.6	498.9
145°	472.3	474.9	477.3	479.9	482.4	485.0	489.9	492.9	491.9	490.8	490.0
147.5°	460.1	462.6	464.8	467.1	469.4	472.0	476.8	479.7	479.3	478.8	478.2
150°	448.3	450.7	452.9	455.3	457.7	460.2	465.5	468.5	468.2	467.7	467.1
152.5°	435.6	437.7	439.9	442.0	444.2	446.4	452.2	455.3	454.9	454.3	454.0
155°	426.6	428.3	429.9	431.7	433.5	435.3	441.2	443.9	443.7	443.5	443.3
157.5°	421.9	423.2	424.3	425.6	426.9	428.3	434.0	436.5	436.2	436.0	435.9
160°	417.7	418.7	419.6	420.8	421.8	423.0	428.6	430.8	430.7	430.5	430.3
162.5°	414.3	415.8	417.0	418.2	419.4	420.8	426.7	429.3	428.9	428.5	428.1
165°	414.0	414.8	415.6	416.7	417.5	418.4	423.7	425.6	425.5	425.2	425.1
167.5°	414.4	415.3	416.2	417.1	418.1	419.0	424.0	425.9	425.8	425.6	425.5
170°	416.2	416.9	417.6	418.5	419.2	420.0	424.1	425.7	425.4	425.0	424.6
172.5°	418.1	418.8	419.6	420.5	421.3	422.1	425.7	427.2	427.0	426.7	426.2
175°	417.3	417.8	418.5	419.1	419.7	420.2	423.1	424.2	424.1	424.0	424.0
177.5°	420.0	420.5	420.9	421.4	421.8	422.3	424.0	424.7	424.6	424.6	424.5
180°	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1



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**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7
2.5°	15574.1	15579.6	15580.4	15586.8	15586.3	15593.9	15592.7	15598.9	15595.2	15600.4	15596.0
5°	15939.9	15973.1	15990.4	16022.8	16033.0	16062.0	16070.2	16096.6	16097.7	16118.7	16113.9
7.5°	16457.1	16505.9	16535.0	16575.0	16595.3	16628.6	16643.3	16668.0	16675.9	16695.5	16697.0
10°	16765.9	16789.6	16806.2	16817.4	16827.6	16832.3	16837.9	16836.4	16837.9	16835.8	16840.6
12.5°	16644.4	16609.7	16586.9	16543.4	16518.2	16470.3	16446.7	16400.5	16383.8	16344.1	16338.4
15°	16029.2	15908.4	15823.0	15698.9	15620.8	15498.7	15427.2	15317.0	15266.7	15179.1	15156.1
17.5°	14907.9	14683.7	14510.1	14287.4	14132.9	13924.8	13793.9	13621.6	13527.3	13388.4	13340.3
20°	13336.0	13004.1	12743.7	12433.6	12211.6	11935.1	11758.0	11534.7	11405.0	11234.4	11165.3
22.5°	11490.4	11077.3	10752.0	10385.6	10117.9	9809.6	9597.5	9355.9	9214.9	9029.5	8947.4
25°	9588.2	9132.5	8771.1	8385.0	8102.0	7793.1	7580.9	7343.5	7197.5	7021.6	6940.1
27.5°	7768.9	7307.8	6958.4	6599.4	6339.8	6061.1	5869.6	5662.3	5532.9	5382.6	5305.9
30°	6163.5	5756.6	5459.3	5161.5	4945.6	4719.2	4560.0	4388.3	4274.7	4146.0	4072.9
32.5°	4855.5	4541.4	4308.6	4072.2	3895.5	3706.3	3568.8	3417.2	3314.7	3199.9	3133.7
35°	3845.4	3601.4	3415.8	3221.2	3069.3	2908.2	2787.0	2656.3	2564.2	2465.3	2408.2
37.5°	3038.3	2844.3	2691.4	2529.9	2405.1	2271.6	2226.6	2076.5	1981.2	1902.3	1847.7
40°	2384.5	2230.2	2103.7	1980.2	1878.4	1777.1	1695.9	1615.7	1554.2	1497.7	1458.7
42.5°	1862.1	1750.3	1658.0	1567.4	1493.3	1419.5	1360.6	1305.3	1263.9	1227.0	1201.8
45°	1480.3	1403.4	1339.2	1275.5	1223.1	1173.8	1134.2	1099.0	1072.2	1050.1	1034.3
47.5°	1216.1	1163.4	1118.1	1075.1	1039.6	1007.3	980.8	972.2	943.4	923.9	916.6
50°	1033.5	1001.7	967.3	935.6	911.8	888.3	871.0	854.2	843.4	834.4	831.7
52.5°	897.2	873.0	853.8	833.7	818.0	801.2	789.4	778.2	772.2	767.6	767.0
55°	795.9	778.9	766.3	752.8	743.4	733.6	727.4	721.5	718.8	716.5	716.7
57.5°	719.2	707.9	699.7	690.9	685.8	681.1	679.5	678.1	678.9	679.2	680.5
60°	663.4	656.1	650.9	645.8	643.7	642.2	643.4	644.7	647.4	649.6	651.5
62.5°	620.6	616.4	613.8	611.2	610.9	611.1	613.3	615.6	619.0	621.5	623.5
65°	576.5	574.1	573.4	571.6	572.5	573.0	575.7	577.5	580.8	582.9	585.2
67.5°	532.0	531.4	532.0	532.0	533.5	534.9	537.5	539.5	542.3	544.2	546.1
70°	499.1	499.4	500.6	500.8	502.4	503.4	505.7	507.0	509.5	511.1	513.4
72.5°	467.2	466.7	467.0	466.2	466.8	466.5	467.8	468.4	470.6	471.8	474.7
75°	433.1	431.7	431.3	429.7	429.8	428.8	429.3	429.2	430.6	431.2	433.3
77.5°	392.0	389.6	388.4	385.8	385.7	384.8	385.8	386.4	389.0	390.3	392.6
80°	342.8	339.0	337.3	334.3	334.8	334.7	337.1	339.1	342.2	342.7	345.8
82.5°	285.0	281.0	279.3	276.3	277.0	277.0	279.4	279.8	282.4	283.6	287.0
85°	204.0	205.5	201.4	201.7	200.9	202.4	204.0	206.0	208.2	212.0	214.8
87.5°	120.1	119.6	121.1	121.2	123.3	124.5	127.8	129.7	133.4	136.3	141.6
90°	105.0	100.7	99.4	96.3	96.0	92.9	92.8	90.1	90.4	88.7	89.8
92.5°	93.9	87.8	81.4	75.2	69.0	62.9	59.7	57.1	53.9	51.3	48.1
95°	128.7	119.5	110.4	101.2	92.0	82.9	79.6	76.2	72.9	69.5	66.1
97.5°	150.3	140.5	130.6	120.8	111.0	101.2	98.9	96.8	94.5	92.2	90.1
100°	218.5	199.5	180.5	161.4	142.4	123.5	121.7	119.9	118.2	116.4	114.5
102.5°	448.1	404.6	361.1	317.4	273.9	230.2	222.7	215.1	207.5	199.9	192.3
105°	828.3	758.6	688.9	619.2	549.6	479.8	459.1	438.2	417.5	396.6	375.9
107.5°	1187.6	1119.6	1051.7	983.8	915.9	847.9	815.0	782.2	749.3	716.5	683.6
110°	1367.3	1326.7	1286.0	1245.1	1204.5	1163.8	1132.5	1101.2	1069.7	1038.5	1007.2



TEST NUMBER: P1444583  
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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°	1386.1	1365.8	1345.5	1325.2	1305.1	1284.7	1269.5	1254.3	1239.0	1223.8	1208.5
115°	1286.5	1280.3	1273.9	1267.8	1261.5	1255.3	1254.3	1253.4	1252.3	1251.3	1250.4
117.5°	1122.1	1123.5	1124.9	1126.6	1128.1	1129.6	1137.9	1146.2	1154.6	1162.9	1171.5
120°	958.5	964.3	970.2	976.2	982.1	988.1	999.2	1010.4	1021.6	1032.9	1044.1
122.5°	821.2	825.4	829.6	834.1	838.3	842.6	853.7	864.8	876.0	887.2	898.5
125°	714.4	715.1	715.7	716.3	717.0	717.8	727.0	736.1	745.5	754.9	764.1
127.5°	640.4	638.6	636.7	634.8	633.0	631.2	636.7	642.5	648.1	653.8	659.6
130°	593.5	589.9	586.1	582.6	578.9	575.2	577.7	580.1	582.7	585.2	587.8
132.5°	563.3	559.1	554.7	550.3	546.0	541.6	542.0	542.4	542.8	543.3	544.0
135°	541.0	537.0	532.8	528.8	524.4	520.5	519.8	519.0	518.3	517.7	517.1
137.5°	523.7	520.4	517.2	514.1	510.7	507.6	506.3	505.2	504.0	503.0	501.9
140°	509.3	507.0	504.3	501.8	499.3	496.9	495.9	495.1	494.0	493.3	492.4
142.5°	497.0	495.3	493.6	491.7	490.1	488.3	487.2	486.4	485.5	484.8	483.9
145°	488.9	487.8	486.7	485.7	484.7	483.6	482.9	482.2	481.6	481.1	480.5
147.5°	477.6	477.1	476.5	475.9	475.3	474.7	474.3	474.1	473.7	473.5	473.1
150°	466.6	466.1	465.5	465.0	464.4	463.9	463.7	463.6	463.6	463.6	463.5
152.5°	453.4	452.9	452.4	451.9	451.4	450.9	450.8	450.9	450.8	450.7	450.7
155°	443.0	442.7	442.5	442.2	441.9	441.7	441.4	441.1	440.9	440.7	440.4
157.5°	435.6	435.4	435.1	435.0	434.7	434.4	434.2	434.0	433.7	433.5	433.2
160°	430.1	429.9	429.6	429.5	429.2	429.0	428.5	428.1	427.5	427.1	426.7
162.5°	427.6	427.2	426.8	426.3	425.8	425.4	425.1	424.9	424.6	424.4	424.1
165°	424.8	424.6	424.4	424.1	424.0	423.8	423.3	422.9	422.3	422.0	421.5
167.5°	425.2	425.1	424.8	424.6	424.3	424.1	423.8	423.3	422.9	422.4	421.8
170°	424.3	423.9	423.6	423.1	422.7	422.3	421.9	421.4	420.9	420.6	420.0
172.5°	425.9	425.6	425.2	424.8	424.4	424.1	423.8	423.4	423.0	422.6	422.2
175°	423.9	423.9	423.8	423.6	423.6	423.5	423.4	423.3	423.2	423.1	422.9
177.5°	424.5	424.5	424.5	424.4	424.3	424.3	424.0	423.9	423.6	423.3	423.1
180°	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1



TEST NUMBER: P1444583  
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**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7
2.5°	15600.5	15596.6	15598.5	15591.1	15592.9	15584.0	15583.3	15573.3	15572.4	15562.9	15559.4
5°	16128.7	16120.1	16129.9	16114.6	16117.6	16097.7	16096.0	16070.4	16061.5	16029.3	16015.5
7.5°	16709.2	16706.0	16712.0	16699.2	16698.8	16681.1	16673.7	16650.7	16636.5	16602.7	16581.2
10°	16836.4	16839.4	16834.6	16835.8	16828.9	16826.9	16819.8	16815.3	16803.7	16795.0	16782.1
12.5°	16308.4	16311.5	16291.4	16304.2	16294.0	16317.6	16315.7	16343.4	16347.8	16382.8	16396.2
15°	15087.8	15084.1	15045.4	15069.7	15056.7	15108.4	15120.0	15189.6	15226.8	15316.1	15371.0
17.5°	13244.1	13234.1	13179.7	13209.4	13194.3	13270.5	13296.1	13407.3	13476.8	13620.7	13723.3
20°	11046.2	11027.2	10963.4	10998.2	10982.7	11069.2	11105.7	11240.2	11329.8	11520.4	11656.0
22.5°	8821.1	8790.9	8728.5	8760.9	8746.3	8836.0	8883.5	9018.5	9121.0	9316.7	9475.1
25°	6822.9	6796.0	6735.7	6758.5	6753.0	6828.9	6871.1	6998.7	7099.5	7286.0	7437.0
27.5°	5204.0	5176.0	5121.5	5137.6	5132.1	5196.7	5236.6	5343.2	5429.9	5586.9	5719.6
30°	3982.8	3949.2	3903.0	3911.8	3908.1	3960.4	3997.7	4087.5	4161.8	4294.4	4408.8
32.5°	3052.8	3019.0	2976.6	2980.7	2975.1	3016.3	3046.9	3125.0	3189.8	3302.5	3402.0
35°	2335.9	2375.4	2284.8	2342.2	2282.4	2370.1	2338.6	2387.4	2443.1	2538.1	2621.1
37.5°	1795.7	1768.1	1744.8	1742.4	1742.3	1762.5	1786.6	1833.5	1882.6	1953.5	2026.5
40°	1423.0	1403.7	1388.5	1387.5	1388.5	1403.0	1420.8	1453.3	1489.2	1540.0	1593.7
42.5°	1180.2	1167.4	1158.3	1157.7	1160.6	1170.8	1183.2	1202.4	1225.8	1258.8	1295.6
45°	1021.6	1014.4	1009.3	1009.0	1010.4	1015.7	1022.7	1034.8	1049.7	1070.2	1093.5
47.5°	910.2	908.4	905.3	905.4	903.9	906.1	906.9	913.6	921.6	937.0	967.5
50°	829.0	829.0	826.9	826.7	824.6	824.5	822.9	825.5	829.1	838.8	848.5
52.5°	764.9	764.7	762.3	761.9	759.7	759.6	758.1	759.1	759.6	764.5	770.3
55°	714.8	713.3	710.2	709.2	708.4	709.6	709.1	709.1	708.5	710.5	712.3
57.5°	678.9	676.9	673.9	673.2	672.9	674.4	674.4	673.9	671.2	669.4	666.8
60°	650.5	648.5	645.3	644.5	645.0	647.0	646.9	645.2	641.1	637.6	633.6
62.5°	622.5	621.7	620.1	619.8	619.4	619.8	618.3	616.5	612.5	608.8	604.4
65°	585.0	585.4	584.2	584.4	582.9	582.7	580.5	578.8	574.7	571.3	566.8
67.5°	546.0	546.3	545.4	545.4	544.7	544.8	543.4	541.7	538.4	535.5	532.1
70°	514.0	514.8	514.2	514.4	513.4	513.1	511.1	509.4	506.0	503.6	500.5
72.5°	475.5	477.3	477.2	477.7	476.3	475.5	473.1	471.1	468.0	466.1	463.5
75°	434.1	436.3	437.0	438.0	436.0	435.0	432.3	430.6	428.1	427.0	425.3
77.5°	393.6	396.1	398.4	400.7	397.4	394.7	391.2	388.7	385.0	383.6	380.9
80°	348.1	352.5	357.7	362.2	356.5	350.7	345.1	340.9	336.0	334.1	330.8
82.5°	288.9	293.3	296.4	299.2	295.2	291.0	285.5	281.9	276.6	274.6	270.9
85°	219.4	225.0	226.8	228.3	225.7	223.6	218.5	211.6	208.2	203.0	200.3
87.5°	144.3	147.6	148.3	148.8	147.2	146.2	142.9	139.7	134.0	129.9	124.7
90°	87.5	87.6	84.3	83.0	82.9	85.1	83.7	84.6	81.7	82.0	79.7
92.5°	45.4	42.2	39.5	36.4	39.7	42.3	45.5	48.1	51.3	53.9	57.1
95°	62.8	59.4	56.1	52.7	55.4	58.2	60.8	63.5	66.2	68.9	71.5
97.5°	87.8	85.6	83.4	81.1	82.7	84.3	85.9	87.4	88.9	90.5	92.0
100°	112.8	111.0	109.2	107.5	107.5	107.5	107.5	107.5	107.5	107.5	107.5
102.5°	184.8	177.1	169.5	162.0	167.1	172.2	177.4	182.5	187.6	192.7	198.0
105°	355.1	334.4	313.5	292.8	313.0	333.0	353.1	373.2	393.3	413.4	433.6
107.5°	650.8	618.0	585.1	552.3	589.0	625.5	662.2	698.8	735.3	772.0	808.7
110°	976.0	944.7	913.4	882.2	921.0	959.9	998.7	1037.6	1076.4	1115.3	1154.3



TEST NUMBER: P1444583  
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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°	1193.4	1178.1	1163.0	1147.8	1172.8	1197.8	1222.8	1247.9	1272.9	1298.0	1323.0
115°	1249.5	1248.6	1247.7	1246.8	1258.6	1270.5	1282.3	1294.3	1306.0	1317.9	1329.9
117.5°	1179.8	1188.2	1196.7	1205.2	1209.0	1212.7	1216.7	1220.5	1224.3	1228.1	1232.2
120°	1055.4	1066.7	1078.1	1089.4	1087.9	1086.3	1084.7	1083.2	1081.9	1080.4	1079.0
122.5°	909.7	921.0	932.4	943.8	940.4	937.1	933.8	930.5	927.3	924.0	920.9
125°	773.7	783.2	792.7	802.2	798.9	795.5	792.3	789.1	785.8	782.7	779.6
127.5°	665.5	671.4	677.3	683.2	681.6	680.0	678.7	677.2	675.8	674.5	673.3
130°	590.4	593.2	595.9	598.8	599.2	599.7	600.2	600.8	601.4	602.1	602.8
132.5°	544.7	545.3	546.0	546.7	548.5	550.3	552.3	554.2	556.3	558.2	560.5
135°	516.7	516.2	515.8	515.5	518.2	520.7	523.6	526.3	529.3	532.2	535.3
137.5°	501.0	500.1	499.3	498.4	501.1	503.7	506.6	509.3	512.2	515.1	518.3
140°	491.7	490.9	490.5	489.7	492.3	495.1	497.8	500.6	503.6	506.5	509.5
142.5°	483.3	482.4	481.9	481.3	483.7	486.1	488.7	491.2	493.9	496.5	499.4
145°	480.0	479.5	479.2	478.8	480.5	482.3	484.2	486.0	488.0	489.9	492.1
147.5°	472.9	472.6	472.5	472.3	473.7	474.9	476.3	477.7	479.2	480.6	482.3
150°	463.6	463.6	463.6	463.7	464.5	465.3	466.3	467.1	468.3	469.1	470.3
152.5°	450.8	450.7	450.9	450.9	451.7	452.5	453.4	454.2	455.2	456.1	457.1
155°	440.3	440.1	440.0	439.8	440.2	440.5	440.9	441.1	441.7	442.0	442.6
157.5°	433.1	432.9	432.7	432.5	432.6	432.7	432.9	432.9	433.2	433.3	433.5
160°	426.3	425.7	425.4	425.0	425.4	425.5	426.0	426.1	426.6	426.9	427.3
162.5°	424.0	423.8	423.6	423.4	423.3	423.0	422.9	422.7	422.6	422.5	422.4
165°	421.0	420.5	420.1	419.6	419.7	419.7	419.9	419.9	420.0	420.0	420.2
167.5°	421.5	421.0	420.6	420.1	419.8	419.4	419.0	418.6	418.4	418.1	417.8
170°	419.7	419.3	418.9	418.5	418.5	418.3	418.2	418.1	418.0	417.9	417.9
172.5°	421.9	421.5	421.1	420.8	420.7	420.5	420.5	420.4	420.3	420.3	420.2
175°	422.9	422.8	422.7	422.6	422.3	422.1	421.8	421.6	421.4	421.1	420.8
177.5°	422.8	422.5	422.3	422.1	422.0	422.0	422.0	422.0	422.0	421.9	421.9
180°	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1



TEST NUMBER: P1444583  
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**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7
2.5°	15549.4	15545.2	15534.4	15529.2	15519.2	15514.2	15506.4	15501.4	15495.1	15490.5	15488.1
5°	15980.2	15960.3	15920.5	15895.9	15852.9	15824.5	15781.8	15750.4	15706.3	15673.8	15632.1
7.5°	16540.7	16510.1	16459.2	16420.5	16360.2	16314.2	16246.7	16192.7	16118.0	16056.0	15979.8
10°	16768.9	16751.1	16728.2	16703.3	16670.0	16637.2	16591.1	16544.1	16481.5	16419.1	16337.6
12.5°	16431.6	16448.4	16481.5	16496.9	16522.1	16530.8	16542.3	16536.9	16526.6	16501.2	16464.3
15°	15476.4	15546.3	15656.9	15733.4	15840.6	15915.9	16015.5	16079.6	16153.4	16197.6	16239.4
17.5°	13905.0	14040.4	14235.6	14391.2	14600.2	14770.1	14978.4	15141.9	15330.8	15475.7	15629.9
20°	11892.4	12081.9	12351.4	12580.1	12883.0	13139.7	13468.7	13744.3	14065.8	14333.8	14623.1
22.5°	9726.3	9949.2	10257.9	10533.9	10895.4	11218.5	11630.7	11995.1	12429.8	12819.0	13249.8
25°	7682.8	7901.3	8215.7	8501.4	8891.9	9247.7	9698.0	10116.0	10620.4	11090.7	11630.7
27.5°	5930.4	6124.5	6400.8	6658.1	7015.6	7364.9	7821.9	8267.7	8805.9	9311.3	9893.2
30°	4579.9	4737.3	4958.8	5165.7	5452.8	5738.5	6145.5	6557.8	7093.3	7617.1	8213.7
32.5°	3549.3	3683.5	3868.4	4036.4	4257.6	4473.0	4772.8	5102.2	5572.0	6073.6	6650.5
35°	2747.5	2862.4	3019.7	3164.4	3346.3	3517.3	3741.0	3976.2	4334.7	4756.7	5272.9
37.5°	2190.5	2237.3	2349.6	2468.2	2619.2	2759.8	2934.8	3108.6	3365.1	3698.1	4119.8
40°	1665.8	1740.2	1831.7	1925.0	2039.3	2152.1	2344.0	2436.4	2605.4	2844.4	3171.7
42.5°	1344.1	1396.4	1460.7	1525.7	1605.3	1683.9	1781.0	1879.9	2006.1	2168.0	2400.8
45°	1124.8	1158.9	1200.3	1243.6	1295.9	1349.6	1414.6	1482.5	1568.0	1667.5	1809.0
47.5°	978.3	997.1	1024.1	1053.7	1089.6	1126.7	1169.0	1212.2	1265.4	1324.4	1405.0
50°	863.9	879.6	900.7	920.4	945.1	983.2	1000.0	1023.8	1055.8	1090.5	1135.5
52.5°	781.1	791.6	804.8	816.2	831.8	846.0	864.7	881.2	903.3	924.1	953.2
55°	716.7	720.5	728.0	735.2	746.1	755.9	768.6	779.3	793.5	806.0	824.3
57.5°	666.9	667.3	670.7	674.5	681.5	687.6	696.4	703.5	713.2	721.2	732.2
60°	631.1	629.2	629.9	631.2	635.1	639.2	644.8	649.4	655.6	660.1	666.2
62.5°	601.4	598.4	597.7	597.3	599.3	600.8	603.8	606.1	609.5	611.5	614.8
65°	563.7	560.2	558.8	557.2	557.8	557.3	558.5	558.5	560.4	560.8	562.6
67.5°	529.6	526.7	524.9	522.8	521.8	520.2	519.5	518.1	517.8	516.5	516.2
70°	498.5	495.7	494.2	492.1	491.1	489.1	487.8	485.2	483.8	481.4	480.0
72.5°	462.6	461.0	460.5	459.1	458.7	457.6	457.1	455.3	454.3	452.2	451.1
75°	424.9	423.7	423.5	422.1	422.0	420.6	420.3	418.4	417.4	415.4	414.5
77.5°	380.1	378.2	377.6	376.0	376.4	375.7	376.3	374.8	374.2	372.2	371.6
80°	329.7	327.1	326.1	324.0	324.5	323.6	324.5	324.4	325.2	323.6	323.3
82.5°	269.9	267.1	266.6	265.1	266.1	266.2	268.4	267.2	267.7	266.2	266.8
85°	196.4	194.3	191.4	191.1	189.2	191.2	188.6	190.3	187.6	189.5	186.9
87.5°	121.8	117.5	115.2	112.2	111.0	108.1	106.9	104.8	105.4	104.4	105.0
90°	80.7	78.9	81.2	81.5	84.5	85.1	88.6	90.0	93.7	95.2	99.1
92.5°	59.7	62.7	68.0	73.5	78.8	84.1	89.4	94.9	100.2	105.6	110.9
95°	74.3	76.9	84.1	91.2	98.3	105.5	112.6	119.7	126.9	134.0	141.2
97.5°	93.6	95.2	102.4	109.4	116.6	123.8	130.8	138.1	145.3	152.4	159.5
100°	107.5	107.6	127.9	148.2	168.5	188.9	209.2	229.6	249.9	270.2	290.6
102.5°	203.1	208.2	259.6	311.1	362.4	413.7	465.1	516.6	567.9	619.3	670.8
105°	453.6	473.9	552.2	630.6	708.9	787.4	865.8	944.3	1022.7	1101.1	1179.5
107.5°	845.3	882.0	952.8	1023.6	1094.4	1165.3	1236.2	1307.0	1377.8	1448.8	1519.7
110°	1193.2	1232.0	1279.4	1326.9	1374.3	1421.7	1469.1	1516.5	1564.1	1611.5	1659.1



TEST NUMBER: P1444583  
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**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	1348.0	1373.1	1400.7	1428.3	1455.9	1483.5	1511.1	1538.7	1566.4	1594.0	1621.7
115°	1341.9	1353.8	1364.3	1375.1	1385.6	1396.3	1407.0	1417.8	1428.5	1439.2	1450.0
117.5°	1235.9	1239.9	1241.5	1243.0	1244.5	1246.1	1247.8	1249.4	1251.1	1252.7	1254.4
120°	1077.6	1076.2	1074.1	1072.2	1070.3	1068.3	1066.5	1064.5	1062.7	1060.9	1059.0
122.5°	917.6	914.6	912.6	910.7	908.9	907.0	905.2	903.4	901.6	899.9	898.0
125°	776.5	773.4	774.7	776.0	777.3	778.7	779.9	781.4	782.8	784.2	785.5
127.5°	671.9	670.7	674.4	678.3	682.1	685.9	689.9	693.8	697.6	701.5	705.4
130°	603.7	604.5	609.4	614.4	619.3	624.3	629.4	634.6	639.5	644.5	649.5
132.5°	562.6	564.9	569.5	574.2	579.2	584.0	588.7	593.5	598.4	603.3	607.9
135°	538.4	541.5	545.8	550.1	554.4	558.9	563.1	567.7	571.9	576.3	580.6
137.5°	521.3	524.4	527.9	531.2	534.7	538.1	541.6	545.1	548.4	551.8	555.3
140°	512.6	515.7	517.5	519.3	521.2	523.0	524.7	526.6	528.4	530.2	532.0
142.5°	502.0	505.0	506.0	507.2	508.1	509.4	510.5	511.7	512.6	513.6	514.7
145°	494.1	496.2	496.1	496.1	496.0	496.0	495.8	495.8	495.5	495.5	495.3
147.5°	483.8	485.4	485.0	484.6	484.2	483.8	483.5	483.0	482.5	482.1	481.6
150°	471.3	472.4	471.6	471.0	470.2	469.6	468.7	468.1	467.3	466.7	465.9
152.5°	458.0	459.0	458.1	457.5	456.7	455.9	455.1	454.4	453.5	452.7	452.0
155°	442.9	443.5	443.0	442.7	442.2	441.8	441.3	441.1	440.7	440.4	440.0
157.5°	433.7	433.8	433.6	433.3	433.1	432.9	432.6	432.5	432.4	432.2	432.2
160°	427.5	428.0	427.7	427.4	427.2	427.0	426.7	426.6	426.5	426.4	426.3
162.5°	422.2	422.2	421.9	421.7	421.4	421.3	421.1	421.1	420.9	420.8	420.8
165°	420.4	420.6	420.0	419.7	419.2	418.8	418.5	418.2	417.9	417.7	417.3
167.5°	417.5	417.3	417.3	417.4	417.4	417.5	417.5	417.8	417.8	418.0	418.1
170°	417.9	417.9	417.7	417.5	417.2	417.1	417.0	416.8	416.6	416.5	416.4
172.5°	420.2	420.2	419.7	419.3	418.8	418.5	418.1	417.8	417.3	417.0	416.5
175°	420.6	420.4	420.2	419.9	419.7	419.4	419.1	418.8	418.6	418.4	418.2
177.5°	421.8	421.7	421.6	421.6	421.6	421.5	421.5	421.5	421.5	421.5	421.4
180°	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1



TEST NUMBER: P1444583  
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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°	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7
2.5°	15484.9	15484.7	15483.3	15484.0	15484.2	15485.3	15486.7	15488.1	15488.4	15489.5	15489.6
5°	15600.8	15562.5	15534.2	15503.0	15479.6	15458.5	15444.5	15433.3	15428.9	15430.0	15432.7
7.5°	15915.1	15836.0	15770.8	15696.5	15634.7	15569.2	15514.9	15463.3	15425.7	15397.6	15382.0
10°	16260.0	16163.6	16071.5	15964.1	15862.2	15753.6	15655.2	15556.0	15473.3	15401.6	15348.9
12.5°	16412.9	16344.8	16265.3	16163.9	16054.9	15929.5	15802.9	15667.1	15540.9	15423.6	15329.1
15°	16250.9	16251.0	16222.0	16173.4	16097.7	15997.5	15876.9	15735.3	15586.4	15434.3	15295.5
17.5°	15736.6	15833.6	15887.6	15921.8	15911.2	15874.4	15797.6	15688.9	15550.1	15388.2	15218.7
20°	14853.3	15082.2	15245.5	15392.2	15474.4	15529.0	15523.6	15479.3	15380.5	15242.8	15066.4
22.5°	13616.0	14000.2	14303.3	14586.0	14784.3	14945.6	15022.2	15054.8	15010.0	14914.0	14748.3
25°	12113.3	12635.6	13081.4	13514.0	13838.4	14117.3	14285.0	14403.1	14412.4	14362.3	14214.5
27.5°	10443.4	11060.0	11624.1	12199.0	12655.4	13056.3	13319.3	13511.9	13573.0	13565.0	13430.7
30°	8775.7	9422.9	10044.8	10715.2	11279.9	11792.1	12139.6	12400.0	12500.3	12519.5	12390.4
32.5°	7200.7	7838.9	8459.1	9159.9	9781.3	10368.3	10778.9	11088.2	11204.9	11232.4	11090.7
35°	5771.2	6360.1	6949.4	7628.7	8246.5	8854.4	9287.0	9610.8	9719.7	9738.1	9574.2
37.5°	4531.6	5033.4	5546.9	6156.3	6723.8	7294.6	7705.7	8010.0	8089.4	8084.4	7898.9
40°	3488.0	3878.0	4290.6	4792.3	5264.1	5746.7	6093.8	6345.3	6387.1	6356.1	6161.2
42.5°	2622.8	2904.4	3203.6	3578.1	3928.1	4289.3	4541.9	4728.6	4734.6	4685.8	4510.7
45°	1953.9	2228.8	2354.2	2580.7	2806.2	3046.3	3200.5	3315.9	3298.0	3255.1	3122.1
47.5°	1489.5	1595.2	1707.2	1847.7	1978.9	2251.5	2231.2	2416.6	2283.1	2374.1	2173.8
50°	1182.9	1241.9	1302.2	1376.8	1445.3	1516.6	1561.1	1594.3	1590.0	1575.8	1537.4
52.5°	1006.3	1024.6	1054.3	1096.7	1135.0	1173.5	1198.9	1219.5	1219.9	1214.1	1194.7
55°	841.0	864.2	885.6	913.3	960.5	967.7	1004.1	996.7	999.6	989.4	999.8
57.5°	741.5	755.0	767.1	783.6	797.2	813.1	822.5	831.5	830.6	828.7	818.8
60°	671.1	678.5	685.1	694.8	702.2	711.3	715.6	720.2	718.6	715.3	706.6
62.5°	616.7	621.4	625.1	631.4	635.9	641.5	643.8	645.7	643.8	640.5	632.8
65°	563.0	566.1	568.4	573.2	576.4	581.1	583.1	584.8	583.1	580.6	574.7
67.5°	514.7	515.0	514.7	516.7	517.7	520.5	521.4	522.7	520.6	518.4	513.4
70°	478.0	477.2	476.3	477.1	477.2	478.7	478.9	478.7	476.1	472.5	467.0
72.5°	449.3	448.9	448.2	448.8	448.8	450.1	449.7	449.1	446.1	442.4	437.0
75°	412.5	412.2	410.8	410.8	409.7	410.1	408.6	407.7	404.3	401.4	396.4
77.5°	369.3	368.6	366.6	365.8	363.6	362.8	359.9	358.5	355.1	352.6	348.5
80°	321.1	320.4	317.8	316.4	313.0	310.7	306.6	304.2	300.3	297.9	293.9
82.5°	265.4	265.7	263.2	261.4	256.4	252.6	247.0	244.1	239.7	237.4	233.3
85°	188.8	186.0	187.5	187.4	184.3	181.0	176.5	173.4	169.6	167.5	164.5
87.5°	103.5	104.2	103.4	102.8	100.6	98.9	95.5	93.6	90.9	89.6	87.3
90°	92.8	89.2	83.1	79.5	73.6	69.1	62.6	58.4	52.3	50.5	47.1
92.5°	104.9	98.8	92.9	86.7	80.8	74.8	68.8	62.7	56.7	54.6	52.7
95°	132.4	123.9	115.1	106.5	97.7	89.1	80.4	71.8	63.1	61.3	59.5
97.5°	149.4	139.1	128.9	118.6	108.3	98.0	87.9	77.6	67.4	66.3	65.1
100°	266.9	243.3	219.6	196.0	172.5	148.8	125.1	101.5	77.9	76.5	75.2
102.5°	613.4	556.1	498.8	441.4	384.1	326.7	269.4	212.1	154.8	146.6	138.3
105°	1092.8	1006.0	919.3	832.6	745.6	658.9	572.2	485.3	398.6	370.7	342.8
107.5°	1438.1	1356.3	1274.9	1193.3	1111.6	1030.1	948.5	866.9	785.1	736.1	687.1
110°	1594.2	1529.4	1464.7	1399.8	1335.0	1270.2	1205.4	1140.4	1075.7	1033.3	991.0



TEST NUMBER: P1444583  
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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°	1574.2	1526.6	1479.1	1431.5	1383.9	1336.3	1288.7	1241.0	1193.5	1167.6	1141.9
115°	1421.4	1392.6	1363.8	1335.0	1306.2	1277.4	1248.7	1219.7	1190.9	1177.3	1163.5
117.5°	1239.6	1224.7	1209.9	1194.9	1180.1	1165.1	1150.2	1135.3	1120.4	1115.5	1110.5
120°	1054.4	1049.7	1044.8	1039.9	1035.2	1030.4	1025.5	1020.7	1015.8	1016.1	1016.4
122.5°	899.4	900.7	901.9	903.1	904.6	905.8	907.1	908.2	909.5	912.7	916.0
125°	789.4	793.1	796.9	800.7	804.5	808.2	812.0	815.6	819.4	822.7	826.0
127.5°	709.8	713.9	718.2	722.4	726.7	730.8	735.1	739.3	743.5	746.3	749.4
130°	653.2	656.8	660.4	663.9	667.7	671.2	674.7	678.4	681.9	684.1	686.1
132.5°	611.2	614.3	617.6	620.6	623.8	626.9	630.2	633.3	636.5	637.9	639.4
135°	582.9	585.0	587.4	589.6	592.0	594.2	596.4	598.7	601.1	601.8	602.6
137.5°	557.1	558.8	560.7	562.5	564.2	566.0	568.0	569.7	571.7	571.7	572.0
140°	534.0	535.9	537.9	540.0	541.9	543.9	546.0	548.1	550.3	550.3	550.6
142.5°	516.2	517.7	519.1	520.5	522.2	523.7	525.2	526.9	528.5	528.6	528.8
145°	497.1	499.0	501.0	502.8	504.6	506.6	508.6	510.7	512.7	512.7	512.6
147.5°	483.3	484.8	486.5	488.2	489.8	491.4	493.3	495.0	496.9	496.7	496.5
150°	467.8	469.5	471.3	473.1	474.9	476.8	478.8	480.8	482.9	483.2	483.5
152.5°	454.0	456.0	457.9	460.0	462.2	464.2	466.5	468.6	470.8	471.0	471.4
155°	442.0	443.9	446.1	448.1	450.2	452.2	454.5	456.6	458.7	459.2	459.6
157.5°	434.0	435.6	437.5	439.4	441.1	443.0	445.0	446.8	448.8	449.2	449.5
160°	428.0	429.5	431.1	432.7	434.3	435.9	437.7	439.3	440.9	441.3	441.6
162.5°	422.4	424.0	425.6	427.0	428.8	430.3	432.0	433.6	435.2	435.5	435.9
165°	418.5	419.5	420.7	421.8	423.1	424.1	425.3	426.4	427.7	428.1	428.6
167.5°	419.0	419.8	420.6	421.5	422.5	423.3	424.1	425.0	426.0	426.4	427.0
170°	417.3	418.1	418.7	419.6	420.5	421.3	422.1	422.9	423.9	424.2	424.7
172.5°	417.1	417.5	418.2	418.5	419.1	419.6	420.3	420.8	421.4	422.1	422.6
175°	418.5	418.7	419.0	419.2	419.5	419.8	420.1	420.5	420.8	421.3	421.8
177.5°	421.6	421.8	422.1	422.3	422.6	422.8	423.1	423.3	423.6	424.2	424.9
180°	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1



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**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7
2.5°	15489.2	15489.0	15488.5	15487.8	15487.1	15487.5	15488.2	15489.9	15493.1	15497.6	15503.4
5°	15434.8	15438.0	15439.7	15439.9	15438.4	15437.4	15438.9	15443.2	15451.7	15466.1	15485.6
7.5°	15377.8	15381.7	15387.7	15392.2	15393.0	15391.9	15392.2	15398.9	15414.7	15442.7	15482.1
10°	15316.9	15305.3	15311.5	15322.6	15331.5	15333.1	15334.2	15342.0	15365.2	15407.6	15470.8
12.5°	15260.7	15224.0	15217.0	15227.1	15240.5	15244.9	15243.6	15247.0	15274.1	15330.2	15418.3
15°	15186.7	15117.8	15094.2	15096.8	15113.4	15119.4	15115.1	15108.4	15134.8	15203.3	15317.3
17.5°	15067.1	14955.9	14912.6	14910.7	14930.1	14935.3	14924.6	14903.9	14929.9	15015.4	15156.9
20°	14885.1	14721.0	14639.5	14626.5	14647.6	14641.5	14620.1	14588.8	14623.0	14726.9	14895.2
22.5°	14558.0	14350.1	14210.7	14165.8	14191.1	14174.3	14143.0	14103.1	14148.5	14266.6	14454.0
25°	14023.5	13783.2	13592.6	13485.5	13505.6	13475.4	13441.5	13393.0	13447.2	13582.8	13789.0
27.5°	13237.9	12960.4	12724.0	12546.8	12553.4	12513.7	12474.7	12411.9	12479.6	12640.0	12872.7
30°	12193.2	11872.1	11584.3	11343.5	11321.9	11283.5	11243.6	11161.1	11245.8	11437.8	11709.7
32.5°	10881.3	10524.8	10192.2	9887.8	9830.3	9792.8	9757.2	9662.4	9773.3	9997.1	10309.6
35°	9347.1	8967.3	8606.7	8259.0	8163.9	8126.4	8095.3	8004.4	8142.7	8386.4	8723.8
37.5°	7663.0	7275.0	6917.0	6560.5	6426.1	6375.3	6352.6	6293.1	6452.7	6693.6	7032.4
40°	5934.1	5573.4	5252.4	4937.6	4784.3	4706.5	4694.6	4683.8	4838.1	5047.1	5354.7
42.5°	4316.9	4025.9	3778.3	3537.7	3398.8	3292.5	3292.5	3324.7	3463.6	3620.3	3857.4
45°	2986.1	2790.8	2633.1	2472.3	2515.3	2303.4	2427.9	2364.0	2432.7	2533.7	2687.8
47.5°	2052.7	1946.1	1859.5	1769.6	1704.1	1641.6	1647.0	1687.4	1752.0	1811.9	1892.2
50°	1496.0	1441.8	1397.6	1350.9	1318.4	1290.8	1292.4	1309.9	1343.9	1375.4	1417.3
52.5°	1172.3	1142.3	1118.3	1092.5	1075.4	1061.7	1062.4	1071.0	1089.3	1107.3	1131.4
55°	966.3	962.6	931.4	908.3	899.5	890.2	891.9	895.2	907.7	918.3	934.2
57.5°	809.7	795.6	786.3	774.1	768.5	762.1	763.5	764.8	773.2	780.2	791.7
60°	699.2	689.3	682.6	674.3	670.6	666.6	667.5	668.2	673.5	678.2	686.4
62.5°	625.7	616.9	611.1	604.7	602.1	599.4	600.0	600.2	603.5	606.9	613.1
65°	569.4	562.4	557.5	552.0	549.4	546.4	546.7	546.7	549.6	552.0	556.8
67.5°	509.8	504.5	501.5	497.0	495.2	492.3	492.2	491.3	493.1	494.1	497.3
70°	462.1	456.7	452.7	448.5	446.2	443.6	443.7	443.7	445.9	448.1	452.1
72.5°	432.5	427.4	423.9	420.1	418.0	415.8	415.4	415.1	416.7	418.0	420.6
75°	393.4	389.3	387.2	383.8	382.0	379.6	379.2	378.0	378.8	379.0	381.0
77.5°	346.0	342.0	340.4	336.9	335.4	332.6	332.4	331.1	331.7	331.3	332.9
80°	291.8	288.3	287.4	284.6	283.9	281.2	280.8	279.3	279.8	278.6	279.1
82.5°	231.5	228.3	227.6	224.9	224.9	222.6	222.4	220.0	220.0	218.1	214.8
85°	163.1	160.7	159.7	157.6	156.9	155.0	154.0	151.8	151.0	149.5	149.0
87.5°	86.0	84.6	83.2	82.2	80.3	76.9	76.6	74.3	74.5	72.8	72.9
90°	45.6	42.4	41.1	38.1	36.4	34.0	32.5	33.7	35.2	36.3	37.9
92.5°	50.7	48.6	46.7	44.6	42.6	40.6	38.6	40.6	42.6	44.6	46.7
95°	57.7	55.9	54.1	52.4	50.5	48.7	47.0	48.7	50.5	52.4	54.1
97.5°	64.0	62.9	61.8	60.6	59.5	58.3	57.3	58.4	59.6	60.7	61.9
100°	73.9	72.5	71.2	69.8	68.5	67.2	65.8	67.3	68.6	69.9	71.3
102.5°	130.1	121.8	113.5	105.2	97.0	88.7	80.4	88.7	97.0	105.3	113.6
105°	314.9	287.1	259.1	231.2	203.3	175.4	147.5	175.4	203.3	231.2	259.2
107.5°	638.0	589.0	539.9	490.7	441.6	392.5	343.4	392.6	441.7	490.8	540.0
110°	948.6	906.3	863.9	821.6	779.1	736.7	694.3	736.8	779.2	821.7	864.1



TEST NUMBER: P1444583  
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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°	1116.1	1090.2	1064.5	1038.7	1012.7	987.0	961.1	987.1	1012.9	1039.0	1064.8
115°	1149.9	1136.1	1122.5	1108.8	1095.0	1081.3	1067.4	1081.5	1095.3	1109.2	1123.0
117.5°	1105.6	1100.6	1095.6	1090.7	1085.7	1080.7	1075.6	1080.8	1086.0	1091.2	1096.2
120°	1016.6	1016.9	1017.1	1017.3	1017.5	1017.7	1017.8	1017.9	1017.9	1017.9	1017.8
122.5°	919.2	922.4	925.5	928.6	931.9	934.9	938.0	935.1	932.3	929.4	926.5
125°	829.2	832.5	835.7	839.0	842.1	845.3	848.3	845.6	842.8	839.8	836.8
127.5°	752.2	755.1	757.9	760.8	763.5	766.2	768.8	766.6	764.1	761.7	759.1
130°	688.1	690.2	692.0	694.1	695.9	697.8	699.6	698.1	696.5	695.2	693.4
132.5°	640.6	642.1	643.6	645.0	646.1	647.4	648.4	647.7	646.8	646.0	645.0
135°	603.4	604.2	604.9	605.7	606.3	606.9	607.2	607.2	606.9	606.8	606.4
137.5°	572.0	572.3	572.3	572.3	572.2	572.2	571.9	572.6	573.0	573.6	573.7
140°	550.6	550.8	550.9	550.9	550.9	550.9	550.6	551.3	551.6	552.1	552.3
142.5°	528.9	529.1	529.1	529.2	529.1	529.1	528.8	529.4	529.8	530.3	530.6
145°	512.5	512.4	512.2	512.0	511.8	511.4	510.9	511.8	512.5	513.0	513.7
147.5°	496.5	496.3	496.1	495.9	495.7	495.3	494.9	495.7	496.3	496.9	497.6
150°	483.7	484.0	484.2	484.4	484.4	484.5	484.5	484.9	485.1	485.4	485.6
152.5°	471.5	471.7	471.9	472.1	472.1	472.1	472.1	472.5	472.9	473.3	473.5
155°	460.0	460.4	460.7	461.1	461.3	461.6	461.8	462.1	462.2	462.4	462.5
157.5°	449.9	450.3	450.6	450.9	451.1	451.5	451.7	451.9	452.1	452.3	452.5
160°	441.9	442.3	442.6	442.9	443.2	443.5	443.7	444.0	444.3	444.4	444.7
162.5°	436.2	436.5	436.7	437.0	437.3	437.6	437.9	438.2	438.4	438.6	438.8
165°	429.2	429.6	430.0	430.5	431.1	431.6	432.0	432.1	432.1	432.0	432.0
167.5°	427.4	427.9	428.4	428.9	429.2	429.7	430.2	430.2	430.1	430.1	430.0
170°	425.1	425.6	426.1	426.5	426.9	427.4	427.7	427.7	427.6	427.6	427.6
172.5°	423.2	423.9	424.4	425.0	425.6	426.2	426.8	426.6	426.3	425.9	425.6
175°	422.3	422.9	423.5	424.0	424.5	425.0	425.6	425.1	424.9	424.5	424.2
177.5°	425.7	426.5	427.2	427.9	428.6	429.3	430.0	429.4	428.8	428.1	427.4
180°	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1



TEST NUMBER: P1444583  
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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°	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7
2.5°	15511.7	15519.5	15531.4	15542.1	15558.3	15571.1	15590.3	15604.9	15626.5	15640.6	15664.1
5°	15513.1	15543.5	15583.4	15622.4	15669.1	15711.6	15764.5	15809.5	15862.5	15905.8	15960.2
7.5°	15535.0	15593.6	15663.7	15734.4	15814.4	15889.1	15973.3	16049.6	16132.9	16203.6	16280.6
10°	15551.2	15641.5	15744.8	15848.9	15958.4	16060.2	16162.8	16251.6	16334.5	16402.8	16463.1
12.5°	15529.3	15653.7	15786.3	15914.4	16036.2	16141.4	16229.8	16298.1	16345.1	16377.1	16384.6
15°	15454.7	15604.4	15748.6	15876.2	15977.2	16055.1	16095.4	16114.3	16094.0	16060.4	15986.5
17.5°	15315.4	15473.2	15602.1	15702.8	15756.1	15777.4	15743.9	15685.8	15572.3	15446.1	15264.1
20°	15060.0	15206.9	15300.6	15355.5	15341.1	15288.3	15162.2	15008.8	14782.1	14540.5	14221.5
22.5°	14611.9	14740.5	14790.3	14794.4	14707.3	14574.9	14347.5	14084.5	13726.8	13354.9	12897.5
25°	13939.4	14052.0	14059.8	14015.6	13856.1	13641.8	13307.8	12935.7	12449.7	11954.1	11381.0
27.5°	13027.3	13135.2	13108.8	13026.3	12804.9	12518.2	12090.4	11609.8	11010.6	10425.3	9791.3
30°	11880.8	11996.2	11965.1	11859.2	11596.0	11257.0	10753.7	10195.4	9530.1	8904.9	8262.4
32.5°	10508.6	10654.6	10633.2	10532.6	10257.7	9895.1	9348.9	8756.8	8076.0	7460.0	6835.0
35°	8949.0	9126.3	9135.5	9069.7	8814.6	8456.0	7916.9	7343.6	6691.6	6110.4	5533.0
37.5°	7268.8	7474.3	7516.5	7498.7	7287.3	6970.8	6479.5	5965.3	5387.7	4878.3	4384.5
40°	5579.2	5787.2	5859.4	5880.8	5724.8	5479.6	5076.4	4661.4	4190.5	3777.7	3385.6
42.5°	4038.4	4222.8	4292.6	4336.5	4239.0	4075.6	3781.5	3480.0	3135.0	2837.3	2551.9
45°	2804.8	2935.2	2988.3	3032.4	2979.3	2887.2	2701.5	2512.9	2285.2	2090.6	1906.4
47.5°	1960.9	2032.9	2067.9	2089.3	2068.8	2020.7	1919.6	1810.4	1681.9	1568.2	1458.9
50°	1453.5	1491.8	1510.2	1522.5	1507.5	1480.8	1426.1	1366.6	1296.0	1231.7	1168.7
52.5°	1151.8	1173.8	1184.7	1191.4	1182.8	1166.5	1134.6	1099.4	1057.0	1017.2	996.3
55°	970.4	969.2	994.4	982.3	994.4	967.2	961.6	922.9	887.7	862.9	836.1
57.5°	800.3	811.7	816.5	821.9	818.3	813.4	799.9	786.0	767.5	751.9	735.4
60°	692.7	702.1	707.4	712.7	712.4	710.6	702.7	694.5	682.9	673.5	663.5
62.5°	618.6	626.8	632.0	637.1	637.6	636.8	630.9	625.1	617.3	611.5	604.5
65°	560.4	566.1	569.6	573.7	573.5	572.4	567.1	562.3	555.8	551.7	546.6
67.5°	499.4	503.7	506.5	510.3	511.1	511.3	508.3	506.1	502.9	501.7	500.1
70°	456.0	461.2	465.7	470.5	473.2	474.4	473.2	472.1	470.2	469.4	468.1
72.5°	423.2	427.6	431.0	435.4	438.0	439.8	438.8	438.1	436.5	436.3	435.3
75°	382.4	385.4	387.4	390.8	392.0	393.7	393.0	393.4	392.8	394.1	394.1
77.5°	333.4	335.6	336.5	339.0	339.2	341.2	341.6	344.0	345.7	349.4	351.4
80°	278.2	279.7	279.7	282.1	283.2	286.6	288.2	292.0	293.9	297.1	297.4
82.5°	216.1	214.4	216.1	215.0	218.3	222.0	222.6	225.8	226.6	228.7	227.0
85°	147.7	147.6	146.3	146.6	145.6	146.0	145.5	146.1	145.5	145.6	144.0
87.5°	70.8	71.4	69.8	70.4	68.9	69.5	68.3	69.3	67.8	68.0	65.6
90°	39.1	40.6	41.9	43.4	45.1	49.0	52.9	56.9	61.0	64.7	68.8
92.5°	48.6	50.8	52.7	54.8	56.8	62.8	68.9	74.8	80.9	86.9	93.0
95°	55.9	57.7	59.5	61.4	63.2	71.9	80.5	89.3	97.9	106.7	115.3
97.5°	63.1	64.2	65.3	66.5	67.6	77.8	88.1	98.3	108.6	118.9	129.2
100°	72.7	74.1	75.4	76.7	78.1	101.8	125.4	149.1	172.8	196.4	220.0
102.5°	121.9	130.2	138.4	146.9	155.1	212.5	269.8	327.2	384.4	441.8	499.2
105°	287.2	315.1	343.1	371.0	398.9	485.7	572.6	659.4	746.1	833.0	919.8
107.5°	589.2	638.3	687.4	736.5	785.6	867.4	949.1	1030.6	1112.3	1194.0	1275.6
110°	906.5	948.9	991.4	1033.8	1076.3	1141.1	1206.1	1271.0	1335.8	1400.7	1465.6



TEST NUMBER: P1444583  
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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°	1090.7	1116.6	1142.5	1168.2	1194.2	1241.8	1289.6	1337.3	1384.9	1432.6	1480.2
115°	1136.8	1150.4	1164.3	1178.0	1191.9	1220.8	1249.7	1278.5	1307.4	1336.2	1365.2
117.5°	1101.3	1106.4	1111.4	1116.5	1121.5	1136.4	1151.5	1166.5	1181.5	1196.4	1211.4
120°	1017.8	1017.6	1017.5	1017.3	1017.1	1022.0	1027.0	1031.9	1036.9	1041.7	1046.5
122.5°	923.4	920.4	917.3	914.2	911.2	909.9	908.8	907.5	906.4	905.2	904.0
125°	833.8	830.7	827.6	824.4	821.2	817.6	813.9	810.3	806.5	802.8	799.1
127.5°	756.6	753.8	751.2	748.4	745.6	741.4	737.3	733.1	729.0	724.8	720.7
130°	691.8	690.0	688.2	686.1	684.4	680.7	677.3	673.7	670.2	666.7	663.1
132.5°	643.9	642.7	641.6	640.2	639.1	635.9	633.0	629.7	626.7	623.6	620.6
135°	606.0	605.5	605.1	604.4	603.8	601.5	599.5	597.2	595.1	592.8	590.6
137.5°	574.1	574.2	574.4	574.4	574.6	572.8	571.1	569.3	567.6	565.9	564.1
140°	552.7	552.8	553.1	553.1	553.3	551.4	549.4	547.4	545.6	543.6	541.6
142.5°	530.9	531.1	531.4	531.4	531.6	530.1	528.8	527.3	525.9	524.3	523.0
145°	514.2	514.7	515.1	515.4	516.0	514.0	512.3	510.3	508.6	506.8	505.0
147.5°	498.2	498.7	499.2	499.6	500.2	498.5	497.1	495.5	494.0	492.4	490.9
150°	485.8	485.9	486.1	486.2	486.2	484.6	482.9	481.1	479.5	477.8	476.2
152.5°	473.7	473.9	474.1	474.2	474.4	472.7	470.8	468.9	467.1	465.1	463.3
155°	462.6	462.7	462.7	462.7	462.7	460.9	459.1	457.3	455.5	453.6	451.8
157.5°	452.6	452.7	452.8	452.9	452.9	451.4	449.8	448.2	446.6	445.2	443.6
160°	444.8	445.0	445.1	445.1	445.3	443.9	442.7	441.2	440.0	438.6	437.1
162.5°	439.0	439.2	439.3	439.3	439.5	438.1	436.9	435.5	434.3	432.8	431.5
165°	432.0	431.9	431.7	431.6	431.5	430.6	429.8	429.0	428.1	427.0	426.1
167.5°	429.9	429.8	429.7	429.6	429.5	428.8	428.3	427.6	426.9	426.2	425.5
170°	427.4	427.3	427.2	427.0	426.9	426.2	425.5	424.9	424.4	423.6	422.9
172.5°	425.2	424.9	424.5	424.2	423.9	423.4	423.0	422.5	422.2	421.7	421.3
175°	423.9	423.5	423.1	422.8	422.3	422.2	421.9	421.8	421.6	421.3	421.1
177.5°	426.9	426.3	425.6	424.9	424.3	424.1	424.0	423.8	423.7	423.5	423.3
180°	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1



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**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7
2.5°	15678.7	15581.9	15569.1	15575.9	15592.1	15598.1	15615.5	15620.3	15637.9	15642.2	15659.1
5°	16002.2	15874.2	15880.6	15911.4	15958.0	15985.8	16031.6	16055.5	16099.2	16119.1	16158.6
7.5°	16343.3	16242.9	16274.2	16326.1	16389.8	16433.9	16488.9	16524.8	16572.1	16601.6	16639.5
10°	16510.8	16483.3	16517.8	16558.7	16595.0	16623.5	16646.8	16665.4	16677.6	16689.1	16694.1
12.5°	16383.4	16426.1	16431.8	16427.9	16403.9	16385.5	16344.1	16316.1	16266.3	16236.0	16176.7
15°	15910.8	16004.6	15952.7	15874.1	15759.2	15663.3	15528.0	15427.2	15286.2	15190.6	15049.2
17.5°	15081.6	15199.9	15064.7	14882.9	14651.7	14453.8	14207.5	14011.9	13767.0	13588.8	13360.3
20°	13914.2	14024.7	13783.5	13482.3	13124.5	12823.4	12468.5	12185.2	11855.2	11609.8	11313.7
22.5°	12460.7	12539.4	12199.6	11793.4	11337.7	10961.5	10537.1	10197.4	9821.0	9540.4	9224.6
25°	10852.6	10873.8	10466.3	9998.2	9490.3	9067.6	8614.5	8257.4	7873.5	7589.1	7279.2
27.5°	9229.5	9198.4	8757.9	8261.6	7727.3	7287.9	6846.0	6511.4	6175.1	5918.9	5651.9
30°	7697.6	7622.1	7164.7	6654.7	6136.0	5742.3	5375.3	5106.7	4839.1	4635.9	4421.6
32.5°	6292.8	6186.3	5741.1	5263.2	4826.2	4522.3	4250.2	4046.9	3830.9	3659.3	3479.3
35°	5048.4	4935.1	4540.7	4135.5	3804.8	3580.7	3366.9	3200.1	3016.7	2871.9	2715.6
37.5°	3980.6	3887.6	3557.2	3238.5	2988.3	2814.6	2639.5	2503.1	2351.6	2287.8	2120.9
40°	3073.0	3008.0	2749.7	2514.7	2326.8	2245.3	2067.4	1940.1	1826.7	1733.3	1642.9
42.5°	2397.0	2374.0	2122.6	1939.3	1807.0	1704.3	1605.1	1524.7	1446.3	1382.0	1321.2
45°	1759.1	1740.8	1629.2	1523.4	1433.2	1361.4	1294.4	1239.1	1187.9	1145.4	1106.8
47.5°	1369.8	1363.9	1299.7	1234.0	1177.3	1131.1	1087.7	1050.9	1017.0	988.6	979.3
50°	1114.1	1113.3	1075.6	1035.1	994.7	968.0	940.2	918.5	896.7	879.7	861.8
52.5°	946.6	942.5	917.1	892.0	868.0	850.6	832.8	818.9	804.5	794.0	782.8
55°	814.9	819.2	804.5	789.6	774.5	763.6	751.2	742.1	732.2	725.5	718.8
57.5°	723.4	729.1	721.5	712.9	703.8	696.6	688.1	681.8	675.1	670.9	667.1
60°	656.9	663.1	660.1	655.8	650.2	645.8	640.4	636.9	632.6	630.2	628.1
62.5°	600.5	608.2	607.1	605.2	601.5	599.2	596.1	594.6	591.8	590.7	589.8
65°	544.2	552.9	552.7	551.7	549.8	549.1	547.2	546.8	545.5	546.0	545.9
67.5°	499.9	507.4	509.1	510.4	510.3	510.8	510.6	511.4	511.4	512.5	513.1
70°	468.0	473.2	474.4	475.7	476.1	477.1	477.1	477.8	477.6	478.5	478.7
72.5°	435.6	442.6	443.8	444.9	444.9	445.9	445.4	445.2	443.8	443.5	442.5
75°	395.4	404.3	406.3	407.5	407.7	408.6	407.4	406.7	404.3	403.4	401.8
77.5°	353.4	362.7	364.0	364.5	363.7	363.9	361.4	359.7	356.8	355.6	354.0
80°	298.7	312.4	313.5	312.7	310.5	310.1	307.6	306.1	302.5	301.4	300.0
82.5°	227.3	243.3	245.6	246.6	244.9	245.3	242.9	241.9	238.7	238.2	236.0
85°	143.5	159.5	162.2	161.8	160.0	159.6	158.2	158.7	158.4	159.3	159.8
87.5°	65.9	81.4	85.2	84.0	83.8	82.7	80.3	81.1	82.6	83.6	83.7
90°	72.8	81.4	85.3	82.2	77.6	74.4	69.9	66.9	62.8	59.7	55.5
92.5°	99.0	105.1	111.1	105.7	100.4	95.0	89.7	84.2	79.0	73.5	68.3
95°	124.1	132.6	141.3	134.2	127.1	119.9	112.8	105.7	98.5	91.4	84.3
97.5°	139.4	149.6	159.7	152.5	145.5	138.2	131.0	124.0	116.8	109.6	102.5
100°	243.7	267.1	290.8	270.4	250.0	229.8	209.4	189.0	168.7	148.4	128.1
102.5°	556.5	613.6	670.9	619.5	568.1	516.8	465.4	413.9	362.6	311.2	259.8
105°	1006.5	1093.1	1179.8	1101.2	1022.8	944.5	866.1	787.6	709.1	630.7	552.3
107.5°	1357.1	1438.4	1519.9	1449.1	1378.1	1307.3	1236.3	1165.6	1094.7	1023.7	952.9
110°	1530.4	1594.7	1659.5	1611.8	1564.4	1516.8	1469.4	1421.9	1374.5	1327.1	1279.6



TEST NUMBER: P1444583  
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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°	1527.7	1574.8	1622.1	1594.3	1566.7	1539.0	1511.4	1483.7	1456.2	1428.5	1401.0
115°	1393.9	1421.9	1450.5	1439.6	1428.9	1418.2	1407.4	1396.7	1385.9	1375.3	1364.7
117.5°	1226.4	1240.3	1255.0	1253.2	1251.6	1249.9	1248.3	1246.5	1245.0	1243.4	1241.9
120°	1051.4	1055.2	1059.7	1061.5	1063.4	1065.2	1067.0	1068.9	1070.8	1072.6	1074.6
122.5°	902.7	900.4	898.8	900.6	902.4	904.1	905.9	907.7	909.6	911.4	913.2
125°	795.4	790.4	786.3	784.9	783.6	782.2	780.8	779.3	778.1	776.8	775.5
127.5°	716.5	711.0	706.4	702.5	698.7	694.8	690.9	686.9	683.1	679.1	675.4
130°	659.7	654.6	650.7	645.6	640.7	635.5	630.6	625.6	620.6	615.5	610.6
132.5°	617.4	612.6	609.2	604.5	599.8	594.9	590.2	585.3	580.5	575.6	570.9
135°	588.4	584.6	582.0	577.6	573.5	569.0	564.6	560.4	556.1	551.5	547.4
137.5°	562.3	558.8	556.7	553.2	550.0	546.5	543.3	539.8	536.4	532.9	529.6
140°	539.7	535.8	533.5	531.7	530.1	528.2	526.5	524.7	523.1	521.2	519.4
142.5°	521.6	518.1	516.3	515.2	514.2	513.2	512.4	511.3	510.2	509.1	508.0
145°	503.1	499.1	496.8	497.0	497.2	497.4	497.5	497.7	497.8	498.0	498.1
147.5°	489.3	485.4	483.3	483.8	484.3	484.7	485.2	485.5	486.1	486.5	487.0
150°	474.3	469.9	467.5	468.3	468.9	469.7	470.4	471.3	472.1	472.8	473.6
152.5°	461.4	456.1	453.3	454.1	455.0	455.7	456.6	457.3	458.2	459.0	459.9
155°	449.8	444.2	441.3	441.6	441.9	442.4	442.7	443.2	443.6	444.1	444.6
157.5°	441.8	436.1	433.5	433.5	433.7	433.9	434.0	434.3	434.5	434.7	435.1
160°	435.6	430.2	427.7	427.7	427.9	428.0	428.1	428.3	428.5	428.7	429.1
162.5°	429.9	424.6	422.2	422.1	422.1	422.3	422.5	422.5	422.7	422.9	423.2
165°	425.1	420.6	418.5	418.8	419.1	419.4	419.7	420.1	420.4	420.9	421.3
167.5°	424.8	420.8	419.2	419.1	418.9	418.7	418.7	418.5	418.5	418.5	418.5
170°	422.3	418.9	417.6	417.7	417.9	418.0	418.1	418.3	418.4	418.5	418.7
172.5°	420.7	418.5	417.4	417.9	418.3	418.6	419.0	419.4	419.8	420.3	420.7
175°	420.9	419.4	419.0	419.0	419.3	419.5	419.7	420.0	420.2	420.4	420.9
177.5°	423.0	422.5	422.2	422.2	422.2	422.2	422.2	422.2	422.2	422.3	422.3
180°	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1



TEST NUMBER: P1444583  
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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°	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7
2.5°	15662.2	15680.5	15679.1	15696.1	15695.3	15711.3	15708.1	15722.1	15718.8	15730.7	15723.7
5°	16176.0	16210.7	16222.2	16253.5	16260.0	16288.0	16288.6	16310.9	16308.3	16325.7	16316.4
7.5°	16662.0	16694.4	16709.8	16734.2	16746.3	16766.5	16774.4	16791.0	16794.9	16804.7	16804.4
10°	16703.0	16702.9	16710.5	16707.1	16713.9	16709.9	16718.3	16715.2	16727.5	16724.4	16733.6
12.5°	16151.1	16096.3	16076.4	16027.2	16016.3	15974.2	15977.2	15950.1	15963.2	15946.5	15974.9
15°	14965.0	14838.0	14775.2	14664.7	14630.1	14542.7	14535.7	14477.7	14493.3	14463.0	14507.4
17.5°	13212.3	13012.3	12902.5	12741.2	12677.2	12553.7	12528.9	12454.2	12465.8	12428.2	12481.8
20°	11122.6	10880.9	10742.5	10555.9	10472.7	10325.4	10286.4	10202.9	10213.3	10175.9	10236.5
22.5°	9009.1	8756.0	8599.7	8404.2	8298.0	8159.5	8117.9	8034.1	8038.9	8003.7	8062.0
25°	7066.8	6824.3	6672.5	6494.9	6402.7	6275.8	6232.1	6156.8	6161.0	6132.1	6184.3
27.5°	5466.7	5267.7	5140.8	4991.8	4909.2	4804.8	4762.3	4698.9	4698.7	4677.5	4721.2
30°	4271.9	4105.8	3991.9	3862.2	3784.5	3690.4	3649.3	3592.6	3590.1	3575.0	3609.8
32.5°	3344.9	3197.1	3093.1	2979.1	2909.3	2828.6	2789.6	2744.0	2739.9	2726.2	2754.8
35°	2600.2	2475.7	2386.3	2290.3	2297.4	2178.2	2197.9	2105.3	2080.3	2074.8	2096.0
37.5°	2009.6	1913.3	1840.7	1768.7	1720.0	1669.6	1642.5	1618.1	1615.4	1613.0	1627.8
40°	1573.0	1505.5	1452.8	1403.4	1369.9	1339.1	1322.1	1308.8	1305.5	1303.8	1312.8
42.5°	1273.1	1227.6	1193.6	1163.4	1143.1	1126.4	1117.0	1109.6	1107.1	1107.1	1112.4
45°	1075.6	1048.0	1026.1	1007.3	994.4	1000.1	983.3	992.0	980.4	992.4	984.4
47.5°	947.2	923.7	910.2	896.9	889.0	882.7	882.9	883.0	885.5	885.9	888.5
50°	848.2	834.5	825.1	816.7	812.5	809.2	810.4	811.3	813.6	813.8	815.7
52.5°	774.8	765.9	760.2	755.0	753.1	751.2	752.0	751.6	752.8	752.2	753.8
55°	715.2	711.0	709.2	707.2	707.5	706.9	707.3	705.5	704.3	702.8	704.2
57.5°	666.2	665.6	666.9	667.7	669.9	670.7	671.2	669.0	667.0	665.1	666.2
60°	628.5	629.4	632.4	634.8	638.1	639.6	640.4	639.2	637.7	636.1	637.1
62.5°	591.2	592.7	596.2	599.0	602.9	604.9	607.1	607.2	607.8	607.2	607.9
65°	548.1	549.9	553.1	555.4	559.0	560.8	563.0	563.4	564.7	564.4	565.5
67.5°	515.2	516.9	519.5	521.7	524.9	526.8	528.8	528.9	529.3	529.3	530.3
70°	480.2	481.0	483.5	485.2	488.5	490.4	492.7	493.4	494.8	495.1	496.1
72.5°	442.9	442.6	444.0	444.8	447.2	448.7	451.7	453.3	455.7	456.4	457.2
75°	402.2	401.9	403.6	404.3	406.4	407.9	411.2	413.3	417.1	418.6	418.2
77.5°	355.2	356.0	359.2	361.0	363.7	365.7	369.9	373.4	380.1	383.2	380.1
80°	302.5	303.4	306.8	308.4	312.1	314.3	319.1	323.1	329.3	330.6	328.9
82.5°	237.9	238.1	241.1	242.3	247.0	250.5	256.6	259.7	263.5	263.0	262.5
85°	162.2	164.3	168.2	171.9	177.6	183.2	188.9	193.6	190.3	195.5	189.6
87.5°	86.6	86.4	91.5	90.8	98.8	103.4	108.4	110.8	113.5	112.9	113.0
90°	52.7	50.2	48.8	46.2	45.2	42.4	41.8	39.2	38.9	36.0	40.1
92.5°	62.8	59.9	57.0	54.1	51.2	48.3	45.4	42.4	39.6	36.6	39.6
95°	77.1	74.5	71.7	69.0	66.3	63.6	60.9	58.2	55.5	52.8	56.2
97.5°	95.4	93.8	92.2	90.7	89.1	87.6	86.0	84.5	82.8	81.2	83.5
100°	107.8	107.8	107.8	107.8	107.7	107.7	107.7	107.7	107.7	107.7	109.4
102.5°	208.3	203.2	198.1	192.9	187.8	182.7	177.6	172.4	167.3	162.2	169.7
105°	473.9	453.8	433.7	413.5	393.5	373.4	353.3	333.2	313.2	293.0	313.7
107.5°	882.2	845.4	808.9	772.3	735.5	699.0	662.4	625.7	589.2	552.5	585.3
110°	1232.2	1193.3	1154.4	1115.6	1076.6	1037.8	998.9	960.1	921.2	882.4	913.6



TEST NUMBER: P1444583  
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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°	1373.4	1348.2	1323.1	1298.1	1273.0	1248.0	1223.0	1198.0	1173.0	1148.0	1163.2
115°	1354.0	1342.1	1330.1	1318.2	1306.3	1294.4	1282.5	1270.7	1258.8	1247.0	1247.9
117.5°	1240.2	1236.3	1232.4	1228.4	1224.5	1220.8	1216.8	1213.0	1209.2	1205.5	1197.0
120°	1076.7	1078.0	1079.3	1080.8	1082.3	1083.6	1085.0	1086.6	1088.2	1089.7	1078.3
122.5°	915.1	918.2	921.3	924.4	927.7	931.0	934.1	937.5	940.8	944.2	932.8
125°	774.1	777.2	780.2	783.4	786.4	789.7	792.9	796.2	799.5	802.9	793.3
127.5°	671.6	672.9	674.0	675.3	676.7	678.0	679.4	681.0	682.6	684.2	678.2
130°	605.6	604.8	603.9	603.2	602.4	601.9	601.3	600.8	600.3	599.9	597.0
132.5°	566.1	563.9	561.8	559.6	557.5	555.6	553.6	551.7	549.9	548.2	547.3
135°	543.0	540.0	536.9	533.8	530.8	528.0	525.1	522.4	519.7	517.1	517.5
137.5°	526.1	523.2	520.0	517.0	514.0	511.3	508.3	505.6	502.9	500.3	501.2
140°	517.7	514.5	511.4	508.4	505.6	502.6	499.9	497.2	494.3	491.8	492.4
142.5°	507.0	504.3	501.5	498.7	496.0	493.4	490.8	488.4	485.8	483.6	484.2
145°	498.2	496.2	494.2	492.0	490.2	488.3	486.3	484.5	482.7	481.1	481.4
147.5°	487.5	485.9	484.4	482.9	481.3	480.0	478.6	477.2	475.9	474.7	474.7
150°	474.2	473.4	472.3	471.4	470.3	469.3	468.4	467.6	466.7	466.0	465.8
152.5°	460.7	459.8	458.8	457.9	457.0	456.2	455.3	454.5	453.7	452.9	452.8
155°	445.1	444.6	444.2	443.7	443.3	443.0	442.6	442.3	442.0	441.6	441.7
157.5°	435.2	435.1	434.9	434.9	434.8	434.6	434.4	434.5	434.2	434.3	434.4
160°	429.4	429.0	428.7	428.3	428.1	427.7	427.4	427.1	426.9	426.6	426.9
162.5°	423.4	423.6	423.6	423.7	423.9	424.0	424.1	424.4	424.5	424.7	424.9
165°	421.8	421.6	421.5	421.2	421.2	421.1	421.0	421.0	420.9	420.9	421.3
167.5°	418.4	418.6	418.7	419.1	419.3	419.6	419.9	420.4	420.7	421.1	421.4
170°	418.8	418.8	418.8	418.8	418.8	418.9	419.0	419.0	419.1	419.2	419.5
172.5°	421.2	421.2	421.1	421.2	421.1	421.2	421.2	421.2	421.2	421.3	421.5
175°	420.9	421.3	421.5	421.8	422.0	422.2	422.4	422.7	422.9	423.1	423.1
177.5°	422.3	422.3	422.3	422.3	422.3	422.4	422.4	422.4	422.4	422.3	422.5
180°	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1



TEST NUMBER: P1444583  
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**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7
2.5°	15735.3	15727.5	15735.5	15727.4	15735.5	15725.7	15732.4	15721.8	15724.4	15713.4	15716.3
5°	16330.3	16317.7	16324.4	16308.1	16309.9	16288.0	16287.7	16262.3	16255.6	16226.7	16214.1
7.5°	16811.4	16807.3	16809.6	16799.1	16797.9	16783.0	16775.9	16755.0	16741.9	16715.2	16697.2
10°	16735.3	16747.6	16750.7	16763.2	16765.7	16778.2	16780.8	16793.1	16795.7	16804.9	16805.0
12.5°	15973.5	16015.2	16025.2	16076.6	16098.3	16157.1	16188.6	16253.5	16292.1	16356.7	16396.5
15°	14506.1	14578.2	14606.9	14707.4	14763.0	14880.2	14953.8	15088.5	15183.6	15326.6	15428.5
17.5°	12486.5	12587.2	12632.6	12768.8	12857.7	13030.8	13155.6	13360.9	13518.0	13746.2	13927.1
20°	10246.9	10358.8	10420.5	10575.9	10680.8	10883.0	11038.7	11291.1	11501.4	11790.6	12037.8
22.5°	8080.2	8186.7	8255.3	8413.3	8531.4	8742.3	8916.3	9182.7	9418.5	9744.3	10040.7
25°	6204.1	6301.7	6363.6	6506.6	6617.5	6811.3	6977.5	7233.6	7464.3	7791.1	8095.2
27.5°	4742.9	4824.7	4884.4	5006.3	5104.1	5268.5	5411.3	5623.0	5821.7	6104.5	6375.1
30°	3631.1	3703.6	3761.6	3867.8	3958.5	4101.0	4226.5	4404.3	4568.9	4793.8	5009.1
32.5°	2774.8	2837.2	2888.9	2981.9	3064.1	3192.4	3305.6	3461.4	3602.6	3793.4	3970.6
35°	2115.6	2238.4	2229.7	2358.0	2378.6	2470.6	2571.5	2707.8	2832.9	2995.1	3145.8
37.5°	1642.1	1676.7	1713.6	1770.3	1829.8	1913.6	1998.8	2165.3	2226.4	2349.0	2473.9
40°	1324.2	1347.5	1371.9	1410.3	1451.9	1510.9	1573.0	1652.5	1733.8	1833.3	1934.8
42.5°	1119.5	1132.7	1148.2	1170.8	1196.4	1233.8	1275.4	1329.2	1385.9	1455.8	1527.2
45°	1000.3	994.0	998.6	1010.7	1026.1	1048.9	1075.1	1108.4	1145.3	1190.6	1238.8
47.5°	889.0	891.5	892.9	899.5	907.7	923.0	939.0	961.6	1005.3	1018.6	1044.9
50°	815.6	816.8	816.4	819.7	823.9	833.9	844.2	859.5	874.7	895.1	914.4
52.5°	754.0	755.8	755.5	757.6	759.9	766.2	772.7	783.6	793.6	806.5	817.6
55°	705.4	707.7	708.6	710.5	711.6	714.9	717.5	722.7	726.9	734.3	740.9
57.5°	667.9	671.2	672.8	673.4	672.1	671.9	671.0	672.1	673.0	676.9	680.6
60°	638.6	641.1	641.5	641.1	638.8	637.0	634.3	633.4	632.9	634.8	636.9
62.5°	607.7	608.7	608.0	607.2	604.5	602.8	600.0	598.9	597.9	599.3	600.4
65°	565.1	565.9	565.1	564.7	562.2	560.9	558.4	557.6	556.3	556.6	556.4
67.5°	530.5	531.3	530.7	530.0	528.4	527.5	525.7	524.5	522.9	522.3	521.1
70°	496.1	496.6	495.7	495.1	493.1	492.3	490.6	490.4	489.0	488.7	487.4
72.5°	456.4	456.4	455.0	454.6	453.1	453.1	452.4	453.0	453.0	453.7	453.4
75°	415.7	415.1	413.4	413.1	412.1	412.6	411.8	412.8	412.9	414.4	414.6
77.5°	375.0	373.0	369.6	368.1	365.9	365.6	364.3	365.2	364.9	366.7	367.4
80°	323.7	321.1	316.9	314.9	312.3	311.9	310.7	311.9	311.3	313.3	314.7
82.5°	258.4	256.2	251.9	250.2	247.2	247.5	246.3	247.5	247.3	250.3	252.1
85°	191.2	189.7	185.2	181.2	176.8	174.2	171.6	171.2	170.4	171.6	172.7
87.5°	110.4	109.0	105.5	103.2	95.5	95.8	92.7	92.5	91.8	91.2	92.7
90°	41.2	44.9	46.2	49.7	51.2	55.0	56.7	60.4	62.3	66.4	68.7
92.5°	42.4	45.4	48.2	51.2	54.0	57.0	59.8	62.8	69.1	75.1	81.5
95°	59.5	62.9	66.2	69.6	73.0	76.3	79.7	83.0	92.1	101.3	110.5
97.5°	85.8	87.9	90.2	92.3	94.6	96.9	99.0	101.3	111.2	121.0	130.8
100°	111.2	113.0	114.7	116.6	118.4	120.1	121.9	123.7	142.7	161.7	180.7
102.5°	177.3	185.0	192.5	200.1	207.7	215.3	222.9	230.4	274.1	317.6	361.2
105°	334.6	355.3	376.1	396.8	417.7	438.4	459.3	480.0	549.7	619.3	689.1
107.5°	618.1	651.0	683.8	716.8	749.6	782.4	815.2	848.1	916.0	984.0	1051.9
110°	944.9	976.2	1007.4	1038.8	1070.0	1101.3	1132.7	1164.0	1204.8	1245.4	1286.2



TEST NUMBER: P1444583  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L850-UPL36

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	1178.3	1193.6	1208.8	1224.0	1239.2	1254.6	1269.8	1285.1	1305.4	1325.6	1345.9
115°	1248.9	1249.8	1250.7	1251.6	1252.6	1253.6	1254.7	1255.7	1261.9	1268.2	1274.4
117.5°	1188.6	1180.1	1171.8	1163.3	1155.0	1146.7	1138.4	1130.2	1128.6	1127.1	1125.6
120°	1067.1	1055.9	1044.6	1033.3	1022.2	1010.9	999.8	988.7	982.8	976.9	971.0
122.5°	921.6	910.3	899.0	887.8	876.7	865.5	854.5	843.5	839.2	834.9	830.6
125°	783.9	774.4	765.0	755.7	746.4	737.1	728.0	718.7	718.1	717.4	716.9
127.5°	672.3	666.5	660.7	654.9	649.3	643.7	638.0	632.4	634.4	636.2	638.1
130°	594.4	591.7	589.2	586.4	584.2	581.6	579.2	576.7	580.5	584.1	587.8
132.5°	546.7	546.1	545.6	545.0	544.5	544.1	543.8	543.3	547.7	552.0	556.4
135°	517.9	518.3	518.9	519.5	520.2	520.9	521.7	522.4	526.5	530.6	534.8
137.5°	502.0	502.9	503.9	505.0	506.2	507.2	508.4	509.6	512.7	516.0	519.1
140°	493.1	493.7	494.5	495.4	496.1	497.0	498.0	498.9	501.5	503.9	506.4
142.5°	484.9	485.4	486.1	487.0	487.8	488.7	489.5	490.4	492.1	493.8	495.8
145°	481.9	482.3	482.8	483.4	483.9	484.5	485.1	485.6	486.7	487.7	488.8
147.5°	474.9	475.1	475.4	475.7	476.1	476.4	476.6	476.9	477.5	478.0	478.7
150°	465.8	465.7	465.8	465.7	465.9	465.9	466.0	466.1	466.6	467.0	467.6
152.5°	452.8	452.7	452.7	452.6	452.7	452.7	452.6	452.7	453.2	453.7	454.2
155°	441.9	442.1	442.3	442.5	442.8	442.9	443.2	443.4	443.7	443.9	444.2
157.5°	434.6	434.7	435.0	435.1	435.3	435.5	435.8	435.9	436.2	436.4	436.6
160°	427.3	427.9	428.2	428.7	429.1	429.6	429.9	430.4	430.6	430.8	431.0
162.5°	425.1	425.3	425.6	425.8	426.0	426.2	426.4	426.6	427.1	427.4	428.0
165°	421.7	422.2	422.7	423.0	423.5	424.0	424.3	424.8	424.9	425.2	425.4
167.5°	422.0	422.3	422.8	423.3	423.7	424.0	424.5	424.9	425.1	425.2	425.5
170°	420.0	420.4	420.7	421.2	421.6	421.9	422.4	422.8	423.2	423.5	424.0
172.5°	421.9	422.2	422.5	422.9	423.2	423.6	424.0	424.2	424.6	424.9	425.3
175°	423.1	423.1	423.2	423.2	423.3	423.3	423.4	423.5	423.5	423.6	423.6
177.5°	422.7	423.0	423.2	423.4	423.6	423.9	424.0	424.2	424.2	424.2	424.2
180°	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1



TEST NUMBER: P1444583  
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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°	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7
2.5°	15705.3	15705.9	15693.3	15692.6	15680.7	15679.2	15667.6	15664.1	15654.8	15651.3	15641.8
5°	16181.8	16166.3	16130.7	16109.7	16074.5	16051.1	16013.0	15988.2	15951.3	15923.5	15886.5
7.5°	16663.7	16639.7	16599.6	16567.2	16518.4	16479.3	16422.1	16375.2	16313.3	16259.7	16194.5
10°	16805.0	16801.3	16791.1	16776.2	16753.5	16727.9	16689.0	16648.3	16594.1	16535.1	16462.8
12.5°	16457.2	16494.8	16546.0	16576.3	16613.3	16629.5	16644.6	16640.8	16630.9	16601.0	16559.2
15°	15576.3	15681.8	15821.6	15929.8	16054.4	16144.9	16244.9	16307.3	16369.4	16398.1	16415.6
17.5°	14175.0	14374.8	14625.2	14832.9	15072.5	15264.9	15475.8	15634.6	15797.9	15914.9	16020.7
20°	12374.8	12664.3	13018.7	13331.8	13695.7	14012.0	14358.7	14643.2	14936.7	15166.2	15383.4
22.5°	10422.5	10766.3	11194.6	11591.5	12060.7	12482.4	12958.2	13372.3	13804.7	14165.9	14515.2
25°	8502.5	8879.6	9348.0	9790.8	10322.2	10812.7	11376.9	11893.1	12452.0	12937.1	13416.5
27.5°	6749.3	7119.6	7597.7	8069.1	8631.1	9153.8	9758.3	10327.0	10963.3	11550.0	12150.3
30°	5308.4	5622.4	6051.2	6507.7	7062.0	7593.9	8205.0	8789.8	9451.8	10092.5	10768.6
32.5°	4205.7	4444.9	4782.0	5168.1	5679.4	6185.7	6767.7	7332.2	7984.2	8631.3	9334.5
35°	3340.1	3526.7	3783.7	4084.9	4518.0	4954.4	5469.2	5982.6	6590.8	7204.9	7888.4
37.5°	2633.9	2785.3	2986.5	3212.8	3560.2	3918.4	4340.4	4766.0	5294.5	5838.9	6458.4
40°	2056.8	2179.3	2336.1	2504.8	2767.1	3043.1	3369.5	3699.6	4124.1	4569.1	5081.7
42.5°	1615.7	1706.1	1816.8	1940.2	2184.9	2331.4	2552.7	2791.5	3103.6	3426.6	3812.0
45°	1297.6	1359.3	1436.0	1518.7	1632.4	1756.6	1908.2	2067.2	2363.7	2509.1	2743.5
47.5°	1083.6	1125.0	1173.8	1226.0	1293.0	1365.3	1455.1	1547.1	1665.9	1789.1	1933.6
50°	939.5	981.6	998.4	1025.4	1064.1	1105.5	1156.1	1206.8	1270.6	1335.2	1409.6
52.5°	832.6	846.2	864.5	881.7	905.7	952.7	967.9	994.4	1030.1	1065.1	1104.2
55°	750.9	759.8	771.7	782.0	796.5	810.5	830.5	848.1	872.0	893.0	918.9
57.5°	687.3	693.0	701.2	708.0	717.5	725.2	737.0	746.5	760.3	772.2	787.9
60°	641.1	644.9	650.5	654.9	660.9	664.9	670.8	675.2	682.5	688.6	697.3
62.5°	603.4	605.4	608.9	611.6	615.4	617.5	620.5	622.5	626.5	629.5	634.5
65°	558.1	558.5	561.0	562.1	565.1	566.2	568.7	569.6	572.9	575.1	579.4
67.5°	521.0	520.0	520.0	519.1	519.5	518.7	518.9	518.1	519.3	520.0	523.4
70°	487.1	485.7	485.2	483.7	483.2	481.6	481.1	479.7	479.5	479.1	480.2
72.5°	454.1	453.7	453.8	452.7	452.6	451.6	451.7	451.0	451.7	452.0	453.5
75°	416.2	416.3	417.1	416.1	416.4	415.4	415.8	414.9	415.4	415.2	416.7
77.5°	370.0	371.1	373.1	372.7	373.4	372.3	372.8	371.6	371.9	371.1	371.7
80°	318.1	320.3	323.1	323.0	324.1	323.4	324.3	323.3	323.7	322.3	322.0
82.5°	256.4	258.3	261.2	261.3	263.8	264.3	267.1	267.0	268.8	267.7	266.9
85°	175.2	176.6	179.2	180.5	183.1	184.7	187.4	188.5	186.5	190.2	187.3
87.5°	91.5	94.9	93.0	97.4	96.5	100.9	99.9	104.1	103.2	106.9	106.4
90°	73.4	75.9	80.7	83.4	88.9	91.8	91.3	87.7	87.0	83.6	82.8
92.5°	87.6	94.0	100.2	106.5	112.7	119.1	113.2	107.4	101.6	95.9	90.0
95°	119.6	128.8	137.9	147.1	156.3	165.4	155.6	145.9	136.0	126.2	116.4
97.5°	140.7	150.5	160.3	170.1	180.0	189.8	178.2	166.6	155.0	143.5	131.8
100°	199.7	218.7	237.6	256.7	275.7	294.7	273.2	251.5	229.9	208.1	186.5
102.5°	404.8	448.3	491.9	535.5	579.1	622.7	576.7	530.8	484.8	438.9	392.9
105°	758.8	828.6	898.2	967.9	1037.6	1107.4	1033.0	958.4	884.0	809.5	734.9
107.5°	1119.9	1187.8	1255.8	1323.7	1391.7	1459.8	1384.2	1308.6	1233.2	1157.4	1081.9
110°	1327.1	1367.7	1408.6	1449.4	1490.1	1531.0	1475.7	1420.6	1365.3	1310.0	1254.8



TEST NUMBER: P1444583  
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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°	1366.1	1386.5	1406.6	1427.1	1447.3	1467.7	1428.0	1388.6	1349.0	1309.5	1269.8
115°	1280.8	1287.0	1293.4	1299.7	1306.0	1312.2	1285.5	1258.7	1231.9	1205.2	1178.2
117.5°	1124.1	1122.7	1121.2	1119.8	1118.2	1116.9	1101.7	1086.6	1071.5	1056.2	1041.1
120°	965.1	959.3	953.4	947.5	941.7	935.7	929.2	922.6	916.0	909.3	902.6
122.5°	826.4	822.3	817.9	813.7	809.4	805.1	802.3	799.6	796.8	794.0	791.1
125°	716.3	715.5	714.9	714.3	713.5	712.9	711.3	709.7	707.9	706.4	704.6
127.5°	640.0	641.8	643.7	645.6	647.2	649.1	648.4	647.6	646.9	646.1	645.5
130°	591.3	595.2	598.8	602.2	605.8	609.5	608.3	607.1	606.1	604.9	603.8
132.5°	560.8	565.0	569.3	573.7	577.9	582.1	580.8	579.5	578.1	576.8	575.3
135°	538.8	542.9	546.8	551.0	555.0	558.9	557.3	555.8	554.2	552.6	551.1
137.5°	522.3	525.5	528.6	531.7	534.9	537.9	536.3	534.8	533.1	531.5	529.9
140°	508.8	511.3	513.6	516.1	518.4	520.8	518.9	517.2	515.3	513.4	511.6
142.5°	497.3	499.1	500.7	502.5	504.1	505.9	503.4	501.2	498.8	496.4	494.1
145°	489.8	490.8	491.8	492.8	493.6	494.7	492.0	489.5	486.7	484.3	481.5
147.5°	479.2	479.6	480.0	480.7	481.0	481.5	479.1	476.6	474.1	471.7	469.1
150°	468.0	468.5	468.8	469.4	469.8	470.2	467.8	465.2	462.7	460.1	457.6
152.5°	454.6	455.2	455.5	455.9	456.4	456.8	454.3	452.1	449.7	447.3	445.0
155°	444.3	444.6	444.7	445.0	445.0	445.2	443.2	441.3	439.4	437.4	435.4
157.5°	436.8	437.0	437.2	437.3	437.5	437.6	436.1	434.7	433.1	431.6	430.1
160°	431.2	431.3	431.5	431.6	431.8	431.9	430.5	429.5	428.2	426.9	425.5
162.5°	428.4	428.8	429.1	429.5	429.8	430.1	428.7	427.2	425.7	424.1	422.7
165°	425.5	425.7	425.9	426.1	426.1	426.3	425.2	424.2	423.2	422.2	421.0
167.5°	425.6	425.8	425.9	426.1	426.2	426.3	425.2	424.2	423.2	422.1	421.0
170°	424.2	424.5	424.9	425.3	425.6	425.8	425.0	424.2	423.4	422.6	421.6
172.5°	425.6	425.9	426.1	426.5	426.7	427.1	426.2	425.3	424.5	423.7	422.7
175°	423.6	423.7	423.8	423.8	423.8	423.9	423.2	422.5	421.9	421.2	420.5
177.5°	424.2	424.2	424.2	424.2	424.2	424.2	423.8	423.4	422.9	422.5	421.9
180°	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1



TEST NUMBER: P1444583  
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**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7
2.5°	15638.4	15631.6	15627.3	15621.7	15618.2	15613.9	15610.8	15608.0	15605.9	15603.8	15602.3
5°	15858.3	15823.3	15796.2	15766.8	15742.7	15718.6	15700.1	15684.7	15674.1	15666.2	15661.4
7.5°	16138.2	16074.3	16017.3	15957.5	15903.8	15850.9	15805.5	15766.3	15736.8	15717.7	15706.1
10°	16388.3	16302.7	16217.9	16128.7	16044.2	15962.2	15886.5	15819.9	15767.2	15732.2	15711.7
12.5°	16500.4	16427.4	16340.9	16244.0	16140.4	16035.6	15933.4	15841.3	15764.0	15712.0	15682.1
15°	16401.7	16371.7	16313.0	16237.8	16139.5	16031.2	15911.1	15798.4	15694.6	15627.4	15588.4
17.5°	16080.6	16122.3	16117.9	16089.1	16018.5	15927.3	15805.0	15678.3	15548.6	15458.6	15409.5
20°	15538.7	15670.1	15736.8	15771.1	15743.3	15684.1	15573.4	15444.9	15293.6	15176.2	15104.6
22.5°	14777.2	15009.3	15153.9	15259.7	15282.2	15262.0	15164.2	15042.0	14873.4	14732.3	14626.5
25°	13796.9	14137.0	14365.4	14544.6	14614.2	14632.2	14549.0	14427.4	14239.5	14075.2	13929.8
27.5°	12642.3	13084.0	13389.2	13630.0	13738.6	13785.8	13709.2	13585.1	13362.8	13166.6	12976.8
30°	11342.5	11866.5	12234.0	12522.6	12655.1	12717.4	12636.0	12497.5	12238.9	12002.7	11763.6
32.5°	9951.2	10524.7	10925.0	11238.5	11369.8	11428.3	11321.9	11166.4	10867.4	10589.3	10310.4
35°	8494.4	9073.4	9477.1	9782.3	9892.2	9927.6	9791.5	9611.8	9280.5	8975.2	8671.1
37.5°	7008.2	7546.7	7913.7	8187.6	8255.7	8261.7	8097.8	7899.3	7551.1	7250.0	6947.3
40°	5534.6	5988.9	6285.1	6504.4	6528.0	6506.9	6328.7	6128.9	5803.1	5533.4	5267.7
42.5°	4146.7	4489.6	4701.0	4851.2	4842.2	4800.6	4637.2	4465.4	4196.7	3991.3	3782.2
45°	2957.6	3183.8	3307.3	3395.2	3367.0	3327.3	3200.2	3079.7	2897.1	2764.4	2623.9
47.5°	2054.7	2324.7	2277.7	2449.5	2301.5	2399.3	2195.6	2083.3	1986.5	1915.9	1836.5
50°	1471.0	1532.8	1562.7	1583.1	1572.3	1557.3	1520.7	1488.0	1443.7	1411.4	1373.8
52.5°	1136.0	1166.9	1183.8	1196.1	1193.8	1188.3	1172.3	1157.7	1137.0	1123.3	1106.8
55°	962.2	962.7	993.9	980.5	1000.3	977.1	986.2	960.6	964.7	942.7	928.0
57.5°	799.6	812.2	817.9	823.5	822.0	821.0	814.8	811.7	804.7	802.6	797.6
60°	703.4	710.0	711.4	713.9	711.8	711.0	706.2	704.4	699.8	698.9	695.6
62.5°	637.4	640.7	640.7	640.7	638.0	635.3	629.9	627.2	623.2	622.4	620.4
65°	582.3	585.8	586.4	587.1	585.1	583.1	578.4	575.2	571.2	569.6	567.5
67.5°	525.4	529.2	530.4	532.4	531.2	530.8	527.6	526.4	523.7	523.1	521.0
70°	480.8	482.4	482.3	482.2	479.6	477.4	473.7	471.9	469.0	468.4	466.7
72.5°	454.3	455.4	454.7	453.7	450.4	447.0	442.7	439.5	435.7	433.5	430.8
75°	416.9	418.4	417.4	416.8	413.8	411.7	408.1	406.4	403.7	403.0	401.3
77.5°	371.0	371.7	370.1	370.0	367.8	366.4	363.7	363.2	361.4	361.4	359.7
80°	319.9	319.4	317.1	316.6	314.3	313.7	311.7	311.9	310.3	311.0	309.7
82.5°	263.3	261.8	258.6	257.7	255.1	254.9	253.5	254.6	253.7	255.1	254.3
85°	188.6	189.0	187.6	187.6	186.9	187.1	187.0	187.9	188.0	189.3	189.2
87.5°	105.2	106.7	106.4	107.8	107.7	109.2	109.8	112.1	112.4	114.5	114.5
90°	79.5	78.9	75.4	75.0	73.4	74.4	73.0	74.0	72.5	73.1	71.0
92.5°	84.2	78.4	72.7	66.8	63.8	60.9	58.2	55.1	52.3	49.3	46.4
95°	106.6	96.8	86.9	77.1	73.8	70.3	67.0	63.7	60.2	56.9	53.5
97.5°	120.2	108.6	97.0	85.5	82.5	79.7	76.6	73.8	70.8	68.0	65.0
100°	164.8	143.2	121.6	99.9	97.4	95.0	92.5	90.1	87.6	85.2	82.7
102.5°	347.0	301.0	255.0	209.0	200.3	191.6	182.9	174.2	165.4	156.8	148.0
105°	660.5	585.9	511.4	436.8	413.1	389.5	365.8	342.1	318.5	294.8	271.1
107.5°	1006.1	930.5	854.9	779.2	735.6	691.8	648.1	604.2	560.6	516.7	473.0
110°	1199.6	1144.2	1089.0	1033.6	998.4	963.1	927.9	892.6	857.3	822.0	786.7



TEST NUMBER: P1444583  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L850-UPL36

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1230.3	1190.6	1151.0	1111.3	1095.2	1079.2	1063.2	1047.2	1031.2	1015.1	999.1
115°	1151.4	1124.6	1097.7	1070.7	1065.1	1059.4	1053.7	1047.9	1042.1	1036.3	1030.5
117.5°	1025.9	1010.8	995.4	980.2	981.0	981.9	982.6	983.4	984.0	984.7	985.4
120°	895.8	889.3	882.6	875.8	880.5	885.1	889.7	894.4	898.9	903.4	907.9
122.5°	788.3	785.4	782.7	779.7	785.3	790.9	796.4	802.0	807.4	812.8	818.1
125°	703.0	701.2	699.7	697.8	703.6	709.1	714.7	720.2	725.7	731.0	736.5
127.5°	644.7	643.9	643.1	642.3	646.2	650.1	653.9	657.6	661.5	665.1	668.6
130°	602.6	601.4	600.3	599.1	602.5	606.0	609.4	612.6	616.0	619.1	622.3
132.5°	574.0	572.6	571.3	569.9	572.3	574.6	576.9	579.1	581.3	583.4	585.3
135°	549.5	547.8	546.2	544.6	546.8	548.9	551.1	553.0	555.0	556.8	558.7
137.5°	528.4	526.7	525.0	523.5	525.4	527.3	529.2	530.8	532.5	534.2	535.7
140°	509.7	507.7	506.1	504.1	505.8	507.3	509.0	510.6	512.1	513.4	514.9
142.5°	491.7	489.3	487.1	484.7	485.8	486.9	488.0	489.1	490.3	491.2	492.1
145°	479.0	476.2	473.7	470.9	471.9	472.8	473.7	474.5	475.1	475.8	476.6
147.5°	466.8	464.1	461.7	459.2	460.0	460.5	461.1	461.6	462.3	462.7	463.1
150°	455.1	452.4	449.9	447.3	447.9	448.4	449.0	449.5	450.0	450.4	450.9
152.5°	442.6	440.2	437.8	435.3	435.8	436.2	436.7	437.1	437.6	437.9	438.4
155°	433.5	431.5	429.5	427.4	428.0	428.3	428.7	429.1	429.5	429.7	430.0
157.5°	428.6	426.9	425.4	423.8	423.9	424.0	424.2	424.2	424.3	424.4	424.5
160°	424.2	422.9	421.6	420.1	420.2	420.3	420.5	420.5	420.6	420.5	420.7
162.5°	421.1	419.5	418.0	416.3	416.4	416.6	416.7	416.7	416.9	416.8	416.8
165°	419.9	418.8	417.7	416.5	416.4	416.3	416.2	416.0	415.9	415.6	415.5
167.5°	419.8	418.7	417.5	416.3	416.4	416.7	416.8	416.8	417.0	416.9	417.0
170°	420.7	419.7	418.8	417.9	417.8	417.8	417.6	417.5	417.4	417.2	417.1
172.5°	421.7	420.8	419.9	418.8	418.8	418.8	418.7	418.6	418.5	418.4	418.4
175°	419.7	419.1	418.4	417.7	417.6	417.6	417.5	417.5	417.4	417.3	417.2
177.5°	421.5	421.0	420.5	420.0	420.0	420.0	419.9	419.8	419.8	419.8	419.7
180°	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1



TEST NUMBER: P1444583  
CATALOG NUMBER: EHBR1-18-UNV-TA-L850-UPL36

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	15540.7	15540.7
2.5°	15600.9	15600.2
5°	15659.0	15658.0
7.5°	15703.1	15702.8
10°	15708.3	15711.0
12.5°	15677.0	15679.1
15°	15585.4	15589.6
17.5°	15410.4	15416.0
20°	15109.0	15114.8
22.5°	14620.8	14623.2
25°	13911.0	13900.9
27.5°	12943.4	12926.1
30°	11713.4	11696.6
32.5°	10246.7	10236.3
35°	8595.9	8589.2
37.5°	6857.9	6844.3
40°	5170.5	5131.2
42.5°	3690.6	3621.7
45°	2550.5	2468.8
47.5°	1780.5	1730.0
50°	1349.6	1333.2
52.5°	1099.7	1095.8
55°	927.9	926.2
57.5°	798.8	798.2
60°	697.3	697.1
62.5°	621.7	622.0
65°	568.4	568.5
67.5°	521.5	521.2
70°	467.4	467.0
72.5°	430.0	429.4
75°	401.3	400.8
77.5°	360.2	359.6
80°	310.6	309.7
82.5°	255.4	254.5
85°	190.6	190.6
87.5°	116.6	116.5
90°	71.5	69.3
92.5°	43.6	40.8
95°	50.2	46.9
97.5°	62.2	59.2
100°	80.3	77.8
102.5°	139.4	130.6
105°	247.4	223.8
107.5°	429.2	385.4
110°	751.4	716.2



TEST NUMBER: P1444583  
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**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	983.0	966.9
115°	1024.6	1018.8
117.5°	986.0	986.7
120°	912.2	916.7
122.5°	823.4	828.7
125°	741.7	747.0
127.5°	672.2	675.6
130°	625.1	628.3
132.5°	587.3	589.1
135°	560.3	562.0
137.5°	537.2	538.6
140°	516.0	517.3
142.5°	492.9	493.7
145°	477.2	477.8
147.5°	463.2	463.7
150°	451.1	451.5
152.5°	438.5	438.9
155°	430.2	430.5
157.5°	424.4	424.4
160°	420.6	420.6
162.5°	416.8	416.9
165°	415.2	414.9
167.5°	417.0	417.1
170°	416.9	416.8
172.5°	418.2	418.1
175°	417.1	417.1
177.5°	419.7	419.6
180°	422.1	422.1

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

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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 5000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-4

**Photopic Flux vs. Wavelength**

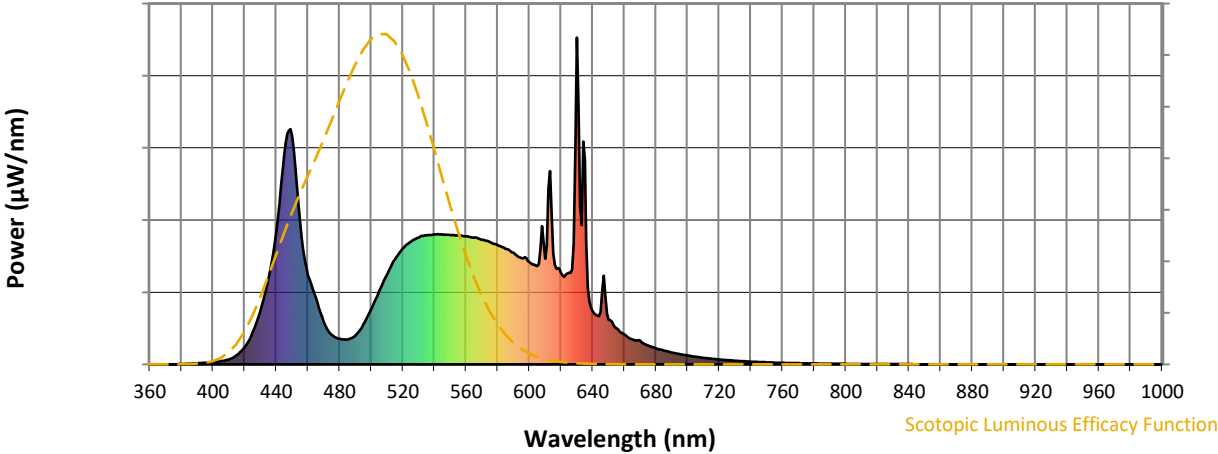


**Photopic Lumens: NR**

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	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			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR S/P: 1.82

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	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			

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**Melanopic Flux vs. Wavelength**



**Melanopic Lumens: NR**

**M/P: 3.71**

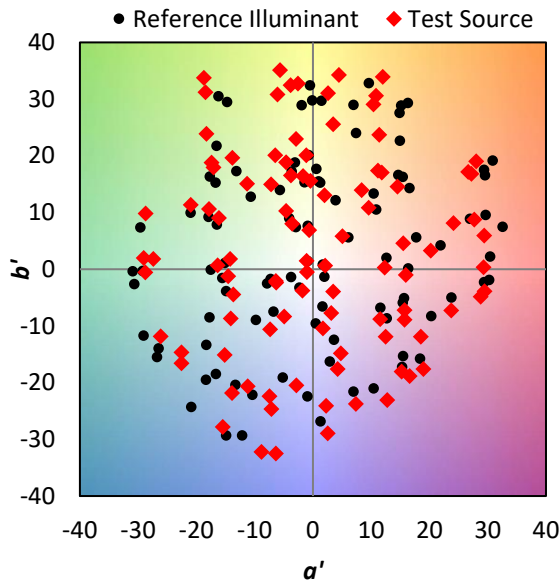
λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	89	NR	620	280	NR	750	6	NR	880	0	NR
365	0	NR	495	121	NR	625	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**

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

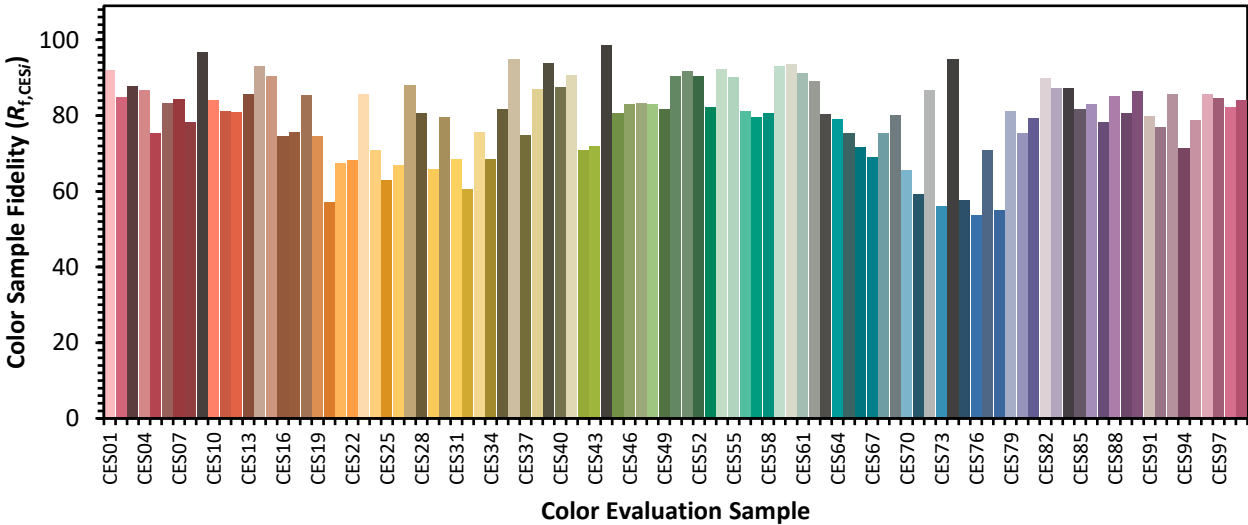


**Color Vector Graphics**

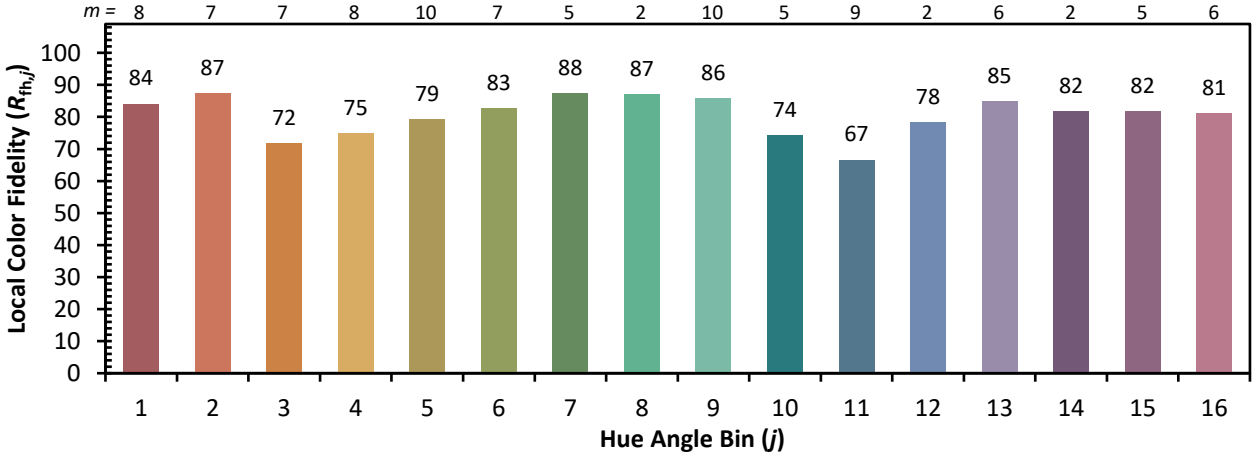


**Individual Sample Fidelity Index ( $R_{f,i}$ )**

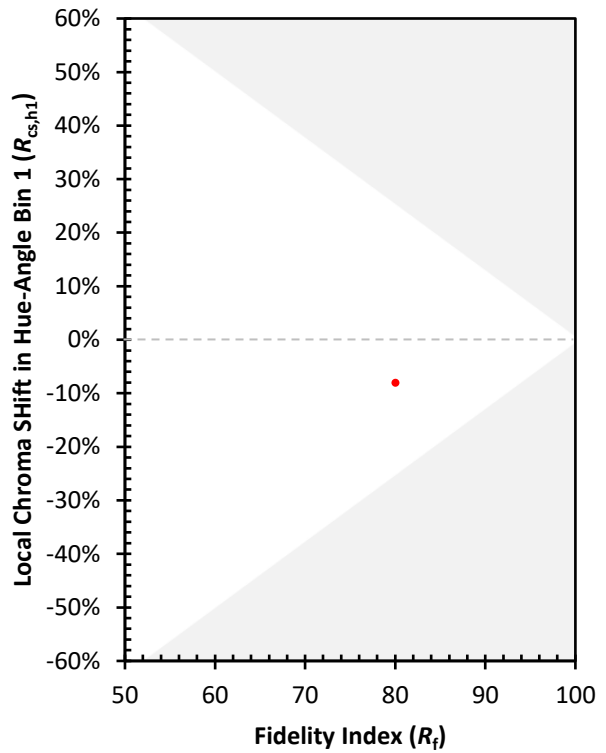
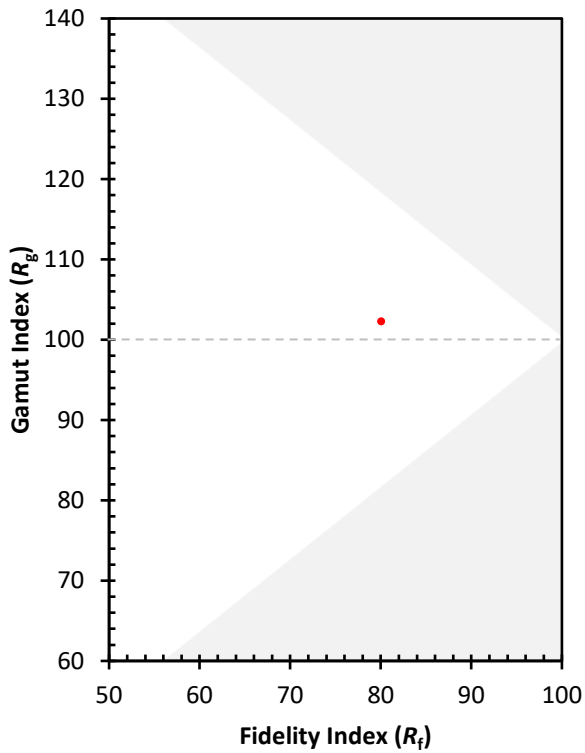
CES01 = 85	CES26 = 67	CES51 = 92	CES76 = 54
CES02 = 60	CES27 = 88	CES52 = 91	CES77 = 71
CES03 = 31	CES28 = 81	CES53 = 82	CES78 = 55
CES04 = 69	CES29 = 66	CES54 = 92	CES79 = 81
CES05 = 47	CES30 = 80	CES55 = 90	CES80 = 75
CES06 = 50	CES31 = 69	CES56 = 81	CES81 = 79
CES07 = 40	CES32 = 61	CES57 = 80	CES82 = 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)