

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: P1444582

Luminaire Tested: EHBR1-18-UNV-TA-L850-UPL30

Issue Date: 5/1/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1444582  
REPORT IS A COMBINATION OF REPORTS P1444337 AND P1431635  
Test Lab: INNOVATION CENTER  
Issue Date: 5/1/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: EHBR1-18-UNV-TA-L850-UPL30  
Description: Elevate Round Highbay at, 18000 lumens, 5000K 80CRI LEDs with TA lens  
Light Source: -  
Ballast/Driver: -

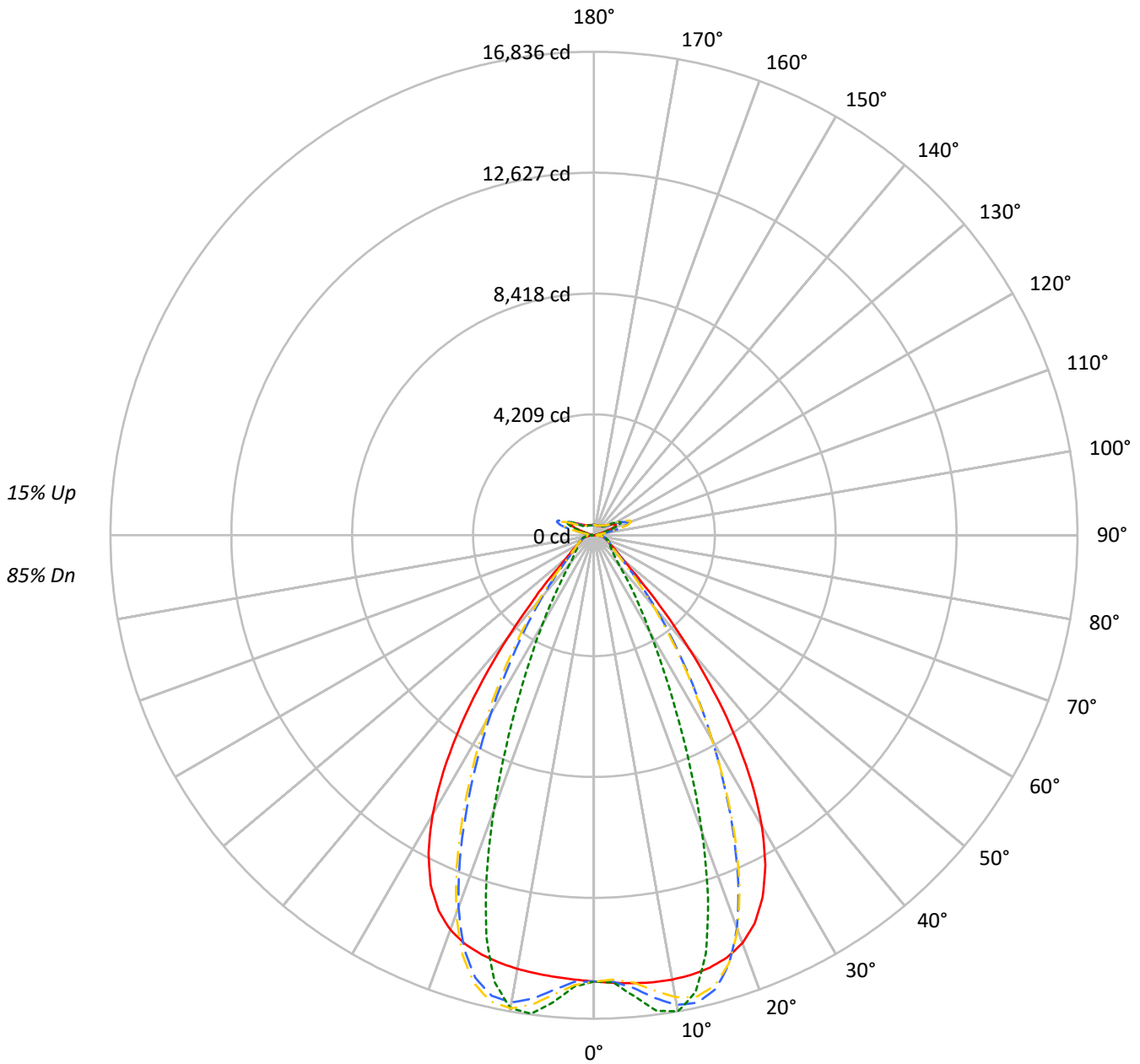
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20988.3 lumens  
Efficiency: N/A  
Efficacy: 179.8 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 0.77 / 0.88  
Luminous Opening: Vertical Cylinder (Dia: 1.71' x H: 0.1')  
CIE Type: Semi-Direct

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

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### Luminous Intensity Polar Plot



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



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	116	116	116	116	111	111	111	111	103	103	103	95	95	95	88	88	88	88	88	88	85
1	108	105	102	99	104	101	98	96	94	92	90	88	86	85	82	81	80	80	80	80	77
2	101	95	90	86	98	92	88	84	87	83	80	81	79	76	76	74	72	72	72	72	70
3	95	87	81	77	92	85	79	75	80	75	72	75	72	69	71	68	66	66	66	66	64
4	89	80	74	69	86	78	72	67	74	69	65	70	66	63	67	63	61	61	61	61	58
5	84	74	67	62	81	72	66	61	69	63	59	65	61	58	62	59	56	56	56	56	54
6	79	69	62	57	76	67	61	56	64	59	55	61	57	53	58	55	52	52	52	52	50
7	74	64	57	52	72	62	56	52	60	54	50	57	53	49	55	51	48	48	48	48	46
8	70	60	53	48	68	58	52	48	56	51	47	54	49	46	52	48	45	45	45	45	43
9	67	56	49	45	65	55	49	44	53	47	44	51	46	43	49	45	42	42	42	42	40
10	63	52	46	42	61	51	45	41	50	44	41	48	43	40	46	42	39	39	39	39	38

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

	0°	90°	180°	270°
0°	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	7.3
10°-20°	4308.5	20.5
20°-30°	4907.0	23.4
30°-40°	3526.9	16.8
40°-50°	1626.6	7.8
50°-60°	778.4	3.7
60°-70°	568.0	2.7
70°-80°	431.5	2.1
80°-90°	201.6	1.0
90°-100°	85.2	0.4
100°-110°	526.8	2.5
110°-120°	974.0	4.6
120°-130°	586.2	2.8
130°-140°	364.3	1.7
140°-150°	260.2	1.2
150°-160°	174.9	0.8
160°-170°	102.3	0.5
170°-180°	34.4	0.2
0°-30°	10747.1	51.2
0°-40°	14274.0	68.0
0°-60°	16679.1	79.5
0°-90°	17880.1	85.2
90°-120°	1586.1	7.6
90°-150°	2796.8	13.3
90°-180°	3108.0	14.8
0°-180°	20988.3	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°	65	78	28	31	65	38
95°	39	44	39	44	39	38
105°	186	243	123	243	186	248
115°	846	1034	886	1034	846	780
125°	622	666	706	667	622	567
135°	471	430	509	432	471	368
145°	403	402	430	404	403	255
155°	365	372	391	374	365	170
165°	354	357	368	358	354	101
175°	356	361	364	361	356	34
180°	361	361	361	361	361	



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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°	64.7	68.5	70.4	74.6	76.4	80.4	82.1	86.2	88.2	92.5	95.7
92.5°	34.2	36.5	39.0	41.6	44.0	46.7	49.3	51.8	54.3	57.0	61.8
95°	39.3	42.0	44.8	47.6	50.4	53.1	55.9	58.7	61.5	64.2	72.3
97.5°	49.5	52.0	54.3	56.8	59.1	61.6	63.9	66.4	68.8	71.2	80.8
100°	65.0	67.1	69.1	71.1	73.2	75.1	77.2	79.3	81.2	83.3	101.2
102.5°	108.8	116.0	123.3	130.4	137.7	144.8	152.2	159.2	166.5	173.7	211.7
105°	186.2	205.8	225.4	245.0	264.5	284.2	303.7	323.3	342.8	362.4	424.1
107.5°	320.2	356.4	392.6	428.9	465.1	501.4	537.6	573.7	610.0	646.1	708.8
110°	594.5	623.6	652.8	681.9	711.2	740.3	769.5	798.5	827.8	856.8	902.6



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**CANDELA DISTRIBUTION (continued):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	802.3	815.6	828.7	842.1	855.3	868.5	881.7	895.0	908.1	921.3	954.1
115°	845.6	850.4	855.1	859.7	864.5	869.1	873.8	878.5	883.2	887.7	910.0
117.5°	819.4	818.6	818.0	817.4	816.6	815.9	815.2	814.4	813.6	812.8	825.4
120°	761.8	757.8	754.1	750.1	746.2	742.2	738.4	734.4	730.5	726.4	731.9
122.5°	689.5	684.7	680.2	675.4	670.7	666.0	661.3	656.4	651.6	646.9	649.1
125°	622.2	617.5	612.9	608.1	603.4	598.5	593.8	589.0	584.2	579.3	580.6
127.5°	563.5	560.4	557.1	553.7	550.5	547.0	543.7	540.3	536.9	533.4	534.0
130°	524.8	522.0	519.0	516.1	513.2	510.1	507.1	504.0	501.0	497.8	498.7
132.5°	492.8	490.9	489.0	486.9	484.9	482.7	480.6	478.3	476.2	473.9	474.9
135°	470.9	469.0	467.4	465.5	463.6	461.5	459.5	457.4	455.4	453.3	454.5
137.5°	452.0	450.6	449.0	447.1	445.5	443.5	441.8	439.8	438.0	436.0	437.2
140°	434.8	433.4	432.0	430.3	428.9	427.3	425.6	423.9	422.2	420.4	421.9
142.5°	415.7	414.5	413.5	412.4	411.3	409.9	408.6	407.3	406.1	404.6	406.5
145°	402.9	402.0	401.3	400.3	399.2	398.2	397.1	395.9	395.0	393.8	395.7
147.5°	391.6	390.9	390.3	389.6	388.9	387.9	387.0	386.1	385.3	384.4	386.2
150°	381.8	381.1	380.5	379.9	379.1	378.3	377.4	376.6	375.8	374.8	376.7
152.5°	371.6	370.9	370.3	369.7	368.9	368.1	367.4	366.6	365.8	364.9	366.6
155°	365.0	364.3	363.6	363.1	362.4	361.6	360.8	360.1	359.3	358.4	359.8
157.5°	360.3	359.8	359.3	358.7	358.3	357.8	357.3	356.7	356.2	355.6	356.6
160°	357.5	357.1	356.6	356.0	355.5	355.0	354.5	353.9	353.4	352.8	353.6
162.5°	354.8	354.2	353.7	353.2	352.7	352.2	351.8	351.3	350.8	350.2	351.2
165°	353.5	353.3	353.0	352.7	352.4	352.1	351.9	351.6	351.3	350.9	351.6
167.5°	355.7	355.2	354.8	354.3	353.9	353.5	353.0	352.5	352.2	351.7	352.3
170°	355.8	355.5	355.3	355.1	354.9	354.7	354.5	354.2	354.0	353.8	354.4
172.5°	357.1	356.8	356.7	356.6	356.4	356.2	356.1	355.9	355.8	355.5	356.3
175°	356.4	356.2	356.1	356.0	355.9	355.8	355.7	355.6	355.6	355.4	355.9
177.5°	358.6	358.5	358.5	358.5	358.5	358.4	358.4	358.3	358.2	358.2	358.5
180°	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7



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**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	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°	101.1	104.7	110.0	112.3	116.5	118.5	104.5	104.8	101.6	100.4	96.6
92.5°	66.8	71.6	76.6	81.5	86.5	91.5	94.5	98.8	93.8	88.5	83.6
95°	80.4	88.5	96.7	104.8	113.0	121.0	129.2	137.3	129.8	122.2	114.6
97.5°	90.5	100.1	109.6	119.2	128.8	138.4	148.0	157.7	149.5	141.3	133.1
100°	119.1	137.0	154.9	172.8	190.8	208.7	226.6	244.6	228.9	213.1	197.3
102.5°	249.8	287.8	325.8	363.9	401.9	440.0	478.2	516.3	480.1	444.0	407.8
105°	485.9	547.5	609.3	670.9	732.6	794.3	856.2	917.8	860.2	802.3	744.6
107.5°	771.3	834.1	896.5	959.1	1021.7	1084.3	1147.2	1209.8	1153.5	1097.0	1040.8
110°	948.4	994.2	1039.8	1085.5	1131.2	1177.0	1223.0	1268.8	1235.0	1201.2	1167.4



TEST NUMBER: P1444582  
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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°	986.8	1019.6	1052.3	1085.1	1117.7	1150.4	1183.7	1216.6	1199.8	1182.8	1166.1
115°	932.1	954.3	976.4	998.6	1020.8	1042.8	1065.6	1087.9	1082.6	1077.3	1072.2
117.5°	837.9	850.4	862.9	875.3	887.7	900.3	913.5	926.2	927.3	928.4	929.6
120°	737.4	742.8	748.1	753.6	758.9	764.3	770.7	776.3	781.2	785.8	790.7
122.5°	651.4	653.6	655.9	658.1	660.3	662.4	665.9	668.3	671.7	675.2	678.7
125°	581.9	583.2	584.5	585.6	586.7	588.0	590.6	592.0	592.5	593.1	593.5
127.5°	534.5	534.9	535.4	535.9	536.3	536.8	538.8	539.5	537.9	536.2	534.7
130°	499.5	500.3	501.1	501.9	502.7	503.6	505.9	507.1	504.0	500.8	497.7
132.5°	475.9	476.9	477.8	478.9	479.8	480.8	483.4	484.8	481.1	477.5	473.9
135°	455.6	456.9	457.9	459.1	460.3	461.6	464.4	466.0	462.7	459.1	455.7
137.5°	438.3	439.6	440.7	441.9	443.1	444.3	447.4	449.0	446.3	443.6	440.9
140°	423.2	424.4	425.9	427.3	428.7	430.1	433.5	435.3	433.3	431.2	429.1
142.5°	408.0	409.9	411.7	413.4	415.3	417.2	421.1	423.4	422.0	420.3	418.9
145°	397.5	399.6	401.6	403.6	405.7	407.7	412.2	414.6	413.7	412.9	412.0
147.5°	387.8	389.8	391.6	393.4	395.4	397.4	401.8	404.3	403.8	403.3	402.8
150°	378.5	380.3	382.1	384.1	386.0	388.0	392.8	395.5	395.1	394.6	394.1
152.5°	368.2	369.8	371.6	373.3	375.0	376.9	382.2	384.9	384.5	384.0	383.7
155°	361.1	362.5	363.7	365.2	366.6	368.2	373.7	376.0	375.8	375.6	375.4
157.5°	357.5	358.5	359.4	360.5	361.5	362.7	368.1	370.3	370.0	369.8	369.7
160°	354.4	355.3	356.0	356.9	357.6	358.6	364.0	366.0	365.9	365.7	365.5
162.5°	352.0	353.2	354.1	355.2	356.2	357.3	362.9	365.1	364.7	364.3	364.0
165°	352.2	352.8	353.5	354.3	355.0	355.7	360.8	362.6	362.5	362.2	362.1
167.5°	353.0	353.7	354.4	355.1	355.9	356.7	361.5	363.1	363.1	362.9	362.8
170°	354.9	355.5	356.0	356.7	357.3	357.9	361.9	363.3	363.1	362.7	362.4
172.5°	356.8	357.5	358.0	358.7	359.3	360.0	363.4	364.8	364.6	364.3	363.9
175°	356.3	356.8	357.4	357.8	358.3	358.8	361.5	362.6	362.5	362.4	362.3
177.5°	358.9	359.2	359.6	360.0	360.4	360.7	362.4	363.1	363.0	363.0	362.9
180°	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7



TEST NUMBER: P1444582  
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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°	94.6	90.9	90.0	87.4	87.5	85.1	85.4	82.9	83.6	82.3	83.8
92.5°	78.2	73.2	67.8	62.8	57.5	52.5	49.9	47.6	45.1	42.8	40.3
95°	107.1	99.4	91.8	84.3	76.7	69.2	66.4	63.7	60.8	58.1	55.3
97.5°	124.9	116.9	108.7	100.6	92.4	84.3	82.4	80.5	78.8	76.9	75.0
100°	181.5	165.8	150.1	134.3	118.6	102.8	101.4	99.9	98.4	97.0	95.4
102.5°	371.8	335.7	299.7	263.5	227.5	191.3	185.1	178.8	172.5	166.2	159.9
105°	686.8	629.1	571.3	513.6	455.9	398.1	380.9	363.6	346.4	329.3	312.0
107.5°	984.5	928.1	871.9	815.6	759.3	703.0	675.7	648.5	621.3	594.1	566.9
110°	1133.5	1099.8	1066.1	1032.2	998.5	964.8	938.8	912.9	886.8	861.0	835.0



TEST NUMBER: P1444582  
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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°	1149.2	1132.4	1115.5	1098.7	1081.9	1065.1	1052.5	1039.8	1027.3	1014.6	1001.9
115°	1066.9	1061.6	1056.3	1051.3	1046.1	1040.8	1039.9	1039.3	1038.3	1037.5	1036.7
117.5°	930.8	932.0	933.1	934.3	935.6	936.8	943.7	950.5	957.4	964.3	971.4
120°	795.5	800.3	805.1	810.0	814.8	819.7	828.8	838.1	847.3	856.6	866.0
122.5°	682.1	685.5	689.0	692.5	696.0	699.5	708.6	717.8	727.0	736.2	745.6
125°	594.0	594.4	594.9	595.3	595.8	596.3	603.9	611.5	619.1	626.9	634.6
127.5°	533.1	531.3	529.7	528.2	526.4	524.9	529.4	534.2	538.8	543.5	548.1
130°	494.6	491.4	488.3	485.2	482.0	479.0	480.8	482.9	484.9	487.0	489.0
132.5°	470.1	466.5	462.8	459.0	455.3	451.7	451.9	452.1	452.4	452.7	453.2
135°	452.1	448.7	445.1	441.6	438.0	434.7	434.0	433.2	432.6	431.9	431.4
137.5°	438.2	435.5	432.7	430.0	427.2	424.5	423.3	422.4	421.2	420.3	419.4
140°	426.9	424.9	422.7	420.5	418.4	416.3	415.3	414.5	413.6	412.9	412.2
142.5°	417.3	415.7	414.2	412.7	411.1	409.6	408.6	407.8	407.2	406.4	405.6
145°	411.0	410.1	409.1	408.1	407.3	406.3	405.6	405.0	404.4	403.9	403.5
147.5°	402.2	401.9	401.3	400.8	400.2	399.6	399.2	399.0	398.5	398.3	397.9
150°	393.6	393.2	392.6	392.2	391.6	391.1	390.9	390.8	390.8	390.8	390.6
152.5°	383.1	382.8	382.3	381.8	381.3	380.8	380.7	380.7	380.6	380.5	380.3
155°	375.1	374.8	374.6	374.3	374.1	373.9	373.6	373.3	373.1	372.8	372.5
157.5°	369.4	369.2	368.9	368.7	368.5	368.2	368.0	367.8	367.5	367.3	367.0
160°	365.3	365.1	364.8	364.6	364.3	364.1	363.6	363.2	362.8	362.4	362.1
162.5°	363.5	363.2	362.9	362.5	362.0	361.6	361.3	361.1	360.8	360.6	360.3
165°	361.8	361.6	361.4	361.1	360.9	360.7	360.2	359.8	359.3	359.0	358.6
167.5°	362.5	362.4	362.1	361.9	361.6	361.4	361.0	360.6	360.2	359.7	359.3
170°	362.1	361.7	361.4	361.0	360.6	360.2	359.8	359.4	358.9	358.6	358.2
172.5°	363.6	363.4	363.1	362.8	362.4	362.1	361.7	361.4	361.0	360.6	360.4
175°	362.2	362.2	362.1	361.9	361.9	361.8	361.7	361.6	361.5	361.4	361.2
177.5°	362.9	362.9	362.9	362.8	362.7	362.7	362.4	362.2	362.0	361.7	361.6
180°	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7



TEST NUMBER: P1444582  
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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°	81.9	82.4	79.4	78.5	78.1	79.9	78.2	78.7	75.5	75.4	72.8
92.5°	37.9	35.4	33.0	30.5	33.2	35.5	38.0	40.3	42.8	45.1	47.6
95°	52.6	49.7	47.0	44.2	46.5	48.6	50.9	53.0	55.3	57.5	59.7
97.5°	73.2	71.4	69.5	67.7	69.0	70.2	71.5	72.8	74.2	75.4	76.7
100°	93.9	92.4	91.0	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
102.5°	153.6	147.3	141.1	134.8	139.0	143.2	147.5	151.8	156.0	160.2	164.6
105°	294.8	277.6	260.4	243.2	259.8	276.5	293.1	309.8	326.4	343.2	359.8
107.5°	539.7	512.6	485.3	458.1	488.5	518.8	549.1	579.4	609.8	640.2	670.5
110°	809.2	783.3	757.4	731.5	763.7	795.8	828.1	860.2	892.4	924.5	956.9



TEST NUMBER: P1444582  
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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°	989.4	976.8	964.2	951.6	972.4	993.1	1013.7	1034.5	1055.3	1076.1	1096.7
115°	1035.9	1035.1	1034.4	1033.7	1043.5	1053.3	1063.0	1072.9	1082.8	1092.6	1102.5
117.5°	978.3	985.2	992.2	999.3	1002.4	1005.6	1008.8	1011.9	1015.2	1018.3	1021.7
120°	875.3	884.6	894.1	903.5	902.2	900.9	899.7	898.4	897.2	896.0	895.0
122.5°	754.9	764.2	773.6	783.1	780.3	777.5	774.7	772.1	769.4	766.8	764.2
125°	642.5	650.3	658.2	666.1	663.3	660.5	657.8	655.2	652.4	649.9	647.4
127.5°	553.0	557.9	562.7	567.7	566.4	565.1	563.9	562.7	561.6	560.6	559.5
130°	491.2	493.4	495.8	498.0	498.4	498.8	499.2	499.7	500.4	501.0	501.6
132.5°	453.7	454.2	454.8	455.4	456.9	458.3	460.0	461.6	463.3	465.0	466.9
135°	431.0	430.6	430.2	429.9	432.2	434.3	436.6	438.9	441.4	443.9	446.5
137.5°	418.5	417.7	417.1	416.3	418.5	420.7	423.1	425.4	427.8	430.3	433.1
140°	411.5	410.9	410.4	409.7	412.0	414.1	416.5	418.7	421.3	423.7	426.3
142.5°	405.0	404.3	403.8	403.3	405.3	407.4	409.4	411.6	413.8	416.1	418.5
145°	403.0	402.5	402.2	401.9	403.3	404.8	406.3	407.8	409.6	411.2	413.0
147.5°	397.7	397.4	397.3	397.1	398.2	399.3	400.5	401.6	402.8	404.0	405.5
150°	390.7	390.6	390.6	390.7	391.3	391.9	392.8	393.4	394.4	395.1	396.2
152.5°	380.4	380.3	380.4	380.4	381.1	381.8	382.6	383.2	384.1	384.8	385.6
155°	372.4	372.2	372.1	371.9	372.2	372.5	372.8	373.0	373.5	373.8	374.1
157.5°	366.9	366.7	366.5	366.3	366.4	366.4	366.6	366.6	366.7	366.8	367.0
160°	361.7	361.2	360.9	360.5	360.8	360.9	361.2	361.3	361.7	362.0	362.2
162.5°	360.1	359.9	359.7	359.5	359.4	359.1	359.0	358.8	358.7	358.6	358.5
165°	358.1	357.7	357.4	356.9	357.0	357.0	357.1	357.1	357.1	357.1	357.2
167.5°	359.0	358.5	358.2	357.7	357.5	357.1	356.8	356.4	356.2	355.9	355.7
170°	357.9	357.5	357.3	356.9	356.8	356.6	356.5	356.4	356.3	356.2	356.2
172.5°	360.1	359.7	359.4	359.1	359.0	358.8	358.8	358.7	358.6	358.6	358.5
175°	361.2	361.1	361.0	360.9	360.6	360.4	360.2	360.0	359.9	359.6	359.4
177.5°	361.3	361.1	360.9	360.7	360.6	360.6	360.6	360.6	360.6	360.5	360.5
180°	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7



TEST NUMBER: P1444582  
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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°	73.5	71.3	73.1	72.7	75.0	75.0	78.0	78.8	81.9	82.7	86.0
92.5°	49.9	52.3	56.6	61.2	65.6	70.0	74.4	79.0	83.4	87.9	92.2
95°	61.9	64.1	70.0	75.9	81.9	87.8	93.7	99.6	105.6	111.5	117.4
97.5°	78.0	79.3	85.2	91.2	97.0	102.9	108.9	114.9	120.8	126.8	132.7
100°	89.5	89.6	106.4	123.3	140.1	157.0	173.9	190.7	207.6	224.5	241.2
102.5°	168.9	173.1	215.6	258.2	300.8	343.3	385.8	428.5	471.0	513.6	556.3
105°	376.5	393.2	458.1	523.1	587.9	652.9	717.8	782.9	847.8	912.8	977.8
107.5°	700.9	731.3	790.0	848.7	907.2	966.0	1024.8	1083.5	1142.1	1200.8	1259.7
110°	989.1	1021.3	1060.6	1099.9	1139.1	1178.4	1217.8	1257.1	1296.5	1335.8	1375.2



TEST NUMBER: P1444582  
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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°	1117.4	1138.3	1161.2	1184.0	1206.9	1229.8	1252.7	1275.6	1298.6	1321.5	1344.4
115°	1112.4	1122.4	1131.0	1140.0	1148.8	1157.7	1166.6	1175.6	1184.5	1193.5	1202.4
117.5°	1024.8	1028.2	1029.4	1030.8	1032.1	1033.5	1034.9	1036.3	1037.8	1039.3	1040.6
120°	893.8	892.7	891.0	889.5	887.9	886.3	884.9	883.4	881.9	880.4	878.9
122.5°	761.5	759.0	757.4	755.9	754.5	753.0	751.5	750.2	748.8	747.4	745.9
125°	644.8	642.3	643.5	644.6	645.7	646.9	648.1	649.4	650.7	651.8	653.1
127.5°	558.4	557.5	560.7	563.9	567.3	570.5	573.7	577.1	580.4	583.8	587.0
130°	502.3	503.1	507.2	511.5	515.6	519.9	524.1	528.6	532.7	536.9	541.1
132.5°	468.6	470.7	474.6	478.7	482.7	486.8	490.8	495.0	499.0	503.2	507.2
135°	449.1	451.8	455.4	459.1	462.8	466.6	470.2	474.0	477.6	481.4	485.0
137.5°	435.5	438.3	441.1	444.1	446.9	450.0	452.9	456.0	458.7	461.8	464.6
140°	428.8	431.5	433.0	434.8	436.3	437.9	439.5	441.1	442.6	444.4	445.9
142.5°	420.7	423.3	424.1	425.1	426.1	427.2	428.2	429.2	430.0	430.9	431.9
145°	414.7	416.6	416.5	416.5	416.6	416.6	416.5	416.5	416.4	416.4	416.3
147.5°	406.8	408.1	407.7	407.5	407.3	407.0	406.8	406.4	406.0	405.8	405.4
150°	396.9	397.9	397.2	396.8	396.2	395.8	395.1	394.6	393.9	393.5	392.8
152.5°	386.4	387.3	386.5	386.1	385.3	384.8	384.1	383.6	382.8	382.2	381.6
155°	374.4	374.9	374.5	374.2	374.0	373.6	373.2	373.0	372.8	372.4	372.1
157.5°	367.1	367.2	367.0	366.8	366.6	366.4	366.3	366.2	366.1	366.0	366.0
160°	362.4	362.8	362.5	362.3	362.1	361.9	361.8	361.7	361.6	361.6	361.5
162.5°	358.3	358.3	358.0	357.8	357.7	357.6	357.5	357.5	357.5	357.4	357.4
165°	357.4	357.5	357.1	356.8	356.5	356.1	355.8	355.5	355.4	355.2	354.9
167.5°	355.4	355.2	355.2	355.3	355.3	355.4	355.4	355.7	355.7	355.9	356.0
170°	356.2	356.2	356.0	355.8	355.6	355.5	355.5	355.3	355.2	355.1	355.0
172.5°	358.5	358.5	358.1	357.7	357.5	357.2	356.8	356.5	356.2	355.9	355.5
175°	359.2	359.0	358.8	358.6	358.4	358.1	358.0	357.7	357.5	357.4	357.2
177.5°	360.4	360.3	360.2	360.2	360.2	360.1	360.1	360.1	360.1	360.1	360.0
180°	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7



TEST NUMBER: P1444582  
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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°	80.4	77.5	72.1	69.2	63.9	60.1	54.3	50.9	45.4	43.9	40.9
92.5°	87.2	82.2	77.3	72.2	67.4	62.4	57.4	52.4	47.3	45.6	44.0
95°	110.2	103.0	95.9	88.6	81.4	74.2	67.1	59.8	52.7	51.2	49.7
97.5°	124.3	115.8	107.3	98.7	90.3	81.7	73.3	64.8	56.3	55.4	54.4
100°	221.6	202.2	182.5	163.0	143.4	123.9	104.2	84.7	65.1	64.0	62.9
102.5°	508.7	461.2	413.8	366.3	318.8	271.3	224.0	176.4	129.0	122.1	115.3
105°	906.0	834.0	762.2	690.4	618.4	546.6	474.8	402.8	331.0	307.9	284.8
107.5°	1192.1	1124.4	1056.9	989.4	921.8	854.3	786.6	719.0	651.3	610.8	570.2
110°	1321.5	1267.8	1214.3	1160.6	1106.9	1053.2	999.6	945.8	892.2	857.0	822.2



TEST NUMBER: P1444582  
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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°	1305.1	1265.7	1226.4	1186.9	1147.7	1108.2	1068.8	1029.3	989.9	968.6	947.2
115°	1178.6	1155.0	1131.1	1107.3	1083.6	1059.7	1035.9	1012.0	988.2	976.9	965.5
117.5°	1028.4	1016.2	1003.9	991.6	979.3	967.0	954.7	942.4	930.0	926.0	921.9
120°	875.2	871.4	867.4	863.4	859.6	855.7	851.6	847.7	843.7	844.0	844.3
122.5°	747.2	748.3	749.5	750.5	751.7	752.7	754.0	754.9	756.1	758.7	761.6
125°	656.4	659.5	662.8	666.0	669.1	672.3	675.6	678.6	681.8	684.5	687.4
127.5°	590.7	594.3	597.9	601.4	605.2	608.7	612.4	615.9	619.4	621.9	624.4
130°	544.3	547.3	550.5	553.4	556.7	559.6	562.6	565.8	568.7	570.6	572.4
132.5°	510.0	512.7	515.4	518.1	520.8	523.5	526.3	528.9	531.7	532.9	534.3
135°	487.0	488.9	490.9	492.8	495.0	496.8	498.8	500.8	502.8	503.6	504.3
137.5°	466.2	467.8	469.3	470.8	472.5	473.9	475.6	477.3	479.0	479.1	479.4
140°	447.5	449.2	450.9	452.6	454.4	456.1	457.9	459.7	461.6	461.7	462.1
142.5°	433.2	434.5	435.7	437.0	438.4	439.8	441.1	442.6	444.0	444.2	444.4
145°	417.9	419.4	421.2	422.8	424.3	426.0	427.9	429.6	431.4	431.4	431.5
147.5°	406.8	408.1	409.6	411.0	412.5	413.8	415.4	417.0	418.6	418.5	418.5
150°	394.4	395.9	397.4	398.9	400.6	402.1	403.9	405.7	407.4	407.7	408.0
152.5°	383.3	385.0	386.6	388.4	390.3	392.0	394.0	395.9	397.7	397.9	398.3
155°	373.9	375.4	377.2	379.0	380.7	382.5	384.4	386.1	388.0	388.5	388.9
157.5°	367.5	368.8	370.5	372.1	373.7	375.2	377.0	378.6	380.2	380.6	380.9
160°	362.9	364.2	365.6	366.9	368.4	369.7	371.2	372.7	374.1	374.4	374.7
162.5°	358.6	360.0	361.5	362.7	364.1	365.5	367.0	368.4	369.7	370.0	370.4
165°	355.9	356.9	357.8	358.8	359.8	360.8	361.8	362.8	363.8	364.2	364.7
167.5°	356.9	357.5	358.2	359.0	359.8	360.5	361.4	362.1	363.0	363.3	363.8
170°	355.8	356.4	357.1	357.8	358.5	359.2	360.0	360.6	361.5	361.9	362.3
172.5°	356.0	356.4	356.9	357.3	357.7	358.2	358.7	359.2	359.7	360.3	360.8
175°	357.5	357.6	357.9	358.1	358.2	358.5	358.8	359.1	359.4	359.8	360.3
177.5°	360.2	360.4	360.6	360.8	361.0	361.2	361.4	361.6	361.9	362.5	363.0
180°	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7



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**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	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°	39.5	36.6	35.5	32.8	31.3	29.2	28.0	28.9	30.1	31.0	32.3
92.5°	42.3	40.7	39.1	37.4	35.8	34.1	32.4	34.1	35.8	37.4	39.1
95°	48.2	46.8	45.3	43.8	42.3	40.9	39.4	40.9	42.3	43.8	45.3
97.5°	53.5	52.6	51.7	50.7	49.8	48.8	47.9	48.9	49.9	50.8	51.8
100°	61.8	60.7	59.5	58.4	57.4	56.2	55.1	56.3	57.5	58.5	59.6
102.5°	108.4	101.6	94.8	87.9	81.0	74.3	67.4	74.3	81.0	88.0	94.9
105°	261.7	238.7	215.5	192.4	169.3	146.2	123.1	146.2	169.3	192.4	215.6
107.5°	529.4	488.9	448.2	407.5	366.8	326.1	285.5	326.2	366.9	407.6	448.3
110°	787.0	751.9	716.9	681.8	646.6	611.6	576.4	611.7	646.7	681.9	717.1



TEST NUMBER: P1444582  
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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°	925.9	904.6	883.2	861.9	840.4	819.0	797.6	819.1	840.6	862.1	883.5
115°	954.3	942.9	931.6	920.2	908.9	897.5	886.0	897.7	909.2	920.6	932.1
117.5°	917.8	913.8	909.7	905.7	901.5	897.4	893.2	897.5	901.8	906.2	910.3
120°	844.5	844.8	845.1	845.3	845.4	845.6	845.7	845.8	845.8	845.8	845.7
122.5°	764.2	767.0	769.5	772.3	774.9	777.6	780.0	777.8	775.3	773.1	770.5
125°	690.1	692.9	695.6	698.4	701.1	703.8	706.3	704.1	701.7	699.3	696.7
127.5°	626.9	629.3	631.7	634.2	636.5	638.7	640.9	639.1	637.1	635.0	632.9
130°	574.1	576.0	577.6	579.3	581.0	582.6	584.1	582.9	581.6	580.4	579.0
132.5°	535.3	536.7	537.9	539.2	540.2	541.3	542.1	541.6	540.8	540.3	539.3
135°	505.1	505.9	506.4	507.2	507.7	508.2	508.6	508.6	508.4	508.2	507.8
137.5°	479.5	479.8	479.9	479.9	480.0	480.0	479.8	480.4	480.8	481.2	481.4
140°	462.2	462.4	462.7	462.7	462.8	462.8	462.7	463.2	463.5	463.9	464.1
142.5°	444.7	444.9	445.0	445.1	445.2	445.2	445.0	445.6	446.0	446.2	446.5
145°	431.4	431.4	431.4	431.3	431.1	430.9	430.5	431.3	431.8	432.4	433.0
147.5°	418.5	418.5	418.5	418.3	418.1	417.9	417.6	418.3	418.7	419.3	419.9
150°	408.3	408.6	408.9	409.1	409.2	409.3	409.3	409.7	410.0	410.2	410.4
152.5°	398.5	398.7	399.0	399.2	399.3	399.3	399.3	399.7	400.1	400.4	400.6
155°	389.3	389.7	390.0	390.4	390.6	390.8	391.0	391.3	391.4	391.6	391.7
157.5°	381.3	381.7	382.0	382.3	382.5	382.9	383.1	383.4	383.6	383.8	384.0
160°	375.0	375.4	375.7	376.0	376.3	376.6	376.8	377.1	377.4	377.5	377.8
162.5°	370.7	371.0	371.2	371.5	371.8	372.1	372.4	372.7	372.9	373.1	373.3
165°	365.2	365.7	366.0	366.5	367.0	367.5	367.9	368.0	368.0	368.0	368.0
167.5°	364.2	364.7	365.0	365.5	365.8	366.3	366.8	366.8	366.8	366.8	366.7
170°	362.7	363.1	363.4	363.8	364.2	364.6	364.9	364.9	364.9	364.9	364.9
172.5°	361.2	361.9	362.4	363.0	363.3	363.9	364.4	364.3	364.0	363.8	363.5
175°	360.6	361.2	361.7	362.2	362.6	363.1	363.5	363.1	363.0	362.8	362.5
177.5°	363.6	364.3	364.9	365.5	366.1	366.6	367.3	366.7	366.3	365.7	365.1
180°	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7



TEST NUMBER: P1444582  
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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°	33.3	34.5	35.7	36.8	38.2	41.5	44.7	47.9	51.4	54.4	57.8
92.5°	40.7	42.4	44.1	45.8	47.4	52.5	57.5	62.5	67.5	72.4	77.4
95°	46.8	48.2	49.7	51.3	52.7	59.9	67.2	74.4	81.6	88.8	96.1
97.5°	52.7	53.7	54.6	55.6	56.5	65.0	73.5	82.0	90.6	99.0	107.6
100°	60.9	62.0	63.1	64.2	65.3	85.0	104.5	124.2	143.7	163.4	182.9
102.5°	101.7	108.5	115.4	122.4	129.3	176.8	224.4	271.8	319.1	366.7	414.2
105°	238.8	261.9	285.1	308.2	331.3	403.2	475.2	547.1	618.9	690.8	762.7
107.5°	489.1	529.7	570.5	611.2	651.8	719.5	787.2	854.8	922.5	990.0	1057.6
110°	752.2	787.3	822.6	857.6	892.8	946.5	1000.4	1054.0	1107.7	1161.4	1215.2



TEST NUMBER: P1444582  
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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°	905.1	926.4	947.8	969.2	990.6	1030.1	1069.7	1109.2	1148.7	1188.0	1227.5
115°	943.6	954.9	966.3	977.7	989.2	1013.1	1036.9	1060.9	1084.7	1108.5	1132.5
117.5°	914.5	918.7	922.9	927.0	931.1	943.5	956.0	968.3	980.7	993.1	1005.5
120°	845.7	845.5	845.4	845.3	845.1	849.0	853.1	857.1	861.3	865.2	869.1
122.5°	768.0	765.4	762.9	760.2	757.7	756.6	755.7	754.5	753.6	752.5	751.5
125°	694.2	691.6	689.0	686.3	683.6	680.5	677.5	674.3	671.2	668.1	665.0
127.5°	630.8	628.5	626.3	623.9	621.6	618.0	614.5	611.0	607.5	603.9	600.4
130°	577.6	576.0	574.4	572.7	571.2	568.1	565.2	562.2	559.2	556.2	553.2
132.5°	538.5	537.4	536.5	535.2	534.3	531.5	529.1	526.3	523.7	521.0	518.4
135°	507.6	507.2	506.8	506.2	505.6	503.6	501.8	499.9	498.0	496.1	494.2
137.5°	481.7	481.8	481.8	481.8	481.9	480.3	478.8	477.3	475.8	474.2	472.8
140°	464.3	464.4	464.6	464.5	464.6	462.9	461.3	459.6	458.0	456.3	454.6
142.5°	446.7	446.9	447.0	447.0	447.1	445.9	444.7	443.4	442.1	440.8	439.6
145°	433.3	433.7	434.1	434.2	434.7	433.0	431.5	429.7	428.4	426.7	425.2
147.5°	420.3	420.7	421.2	421.4	421.9	420.5	419.2	417.9	416.7	415.2	414.0
150°	410.5	410.6	410.7	410.8	410.8	409.4	408.0	406.5	405.2	403.6	402.3
152.5°	400.7	400.9	401.1	401.2	401.4	399.9	398.3	396.7	395.2	393.5	392.0
155°	391.8	391.9	391.9	391.9	391.9	390.5	389.0	387.5	386.0	384.5	383.0
157.5°	384.1	384.2	384.3	384.4	384.4	383.1	381.8	380.4	379.2	377.9	376.6
160°	377.9	378.1	378.2	378.2	378.4	377.3	376.2	375.0	374.1	372.8	371.6
162.5°	373.5	373.7	373.8	373.8	374.0	372.9	371.9	370.7	369.6	368.5	367.4
165°	368.1	368.0	367.9	367.8	367.7	367.0	366.3	365.6	364.8	364.0	363.2
167.5°	366.8	366.7	366.6	366.5	366.4	365.8	365.5	364.8	364.2	363.7	363.1
170°	364.9	364.8	364.7	364.6	364.5	363.9	363.4	362.9	362.5	361.8	361.2
172.5°	363.2	363.0	362.8	362.5	362.2	361.8	361.4	361.1	360.8	360.4	360.0
175°	362.2	361.8	361.6	361.3	360.9	360.8	360.6	360.5	360.3	360.2	360.0
177.5°	364.7	364.2	363.6	363.1	362.7	362.5	362.4	362.2	362.1	362.0	361.8
180°	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7



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**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	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°	61.1	69.1	72.2	69.7	65.8	63.2	59.3	56.9	53.3	50.9	47.3
92.5°	82.4	87.4	92.4	88.0	83.6	79.1	74.7	70.1	65.8	61.2	56.9
95°	103.2	110.4	117.6	111.7	105.8	99.8	93.9	88.0	82.1	76.1	70.2
97.5°	116.1	124.5	132.9	127.0	121.0	115.0	109.1	103.1	97.2	91.4	85.4
100°	202.5	221.8	241.4	224.6	207.7	190.9	174.1	157.1	140.3	123.5	106.6
102.5°	461.6	508.9	556.4	513.8	471.2	428.7	386.1	343.5	301.0	258.3	215.8
105°	834.5	906.3	978.1	912.9	848.0	783.1	718.1	653.1	588.1	523.2	458.2
107.5°	1125.2	1192.4	1259.9	1201.1	1142.4	1083.7	1024.9	966.3	907.5	848.8	790.1
110°	1268.8	1322.0	1375.6	1336.1	1296.8	1257.4	1218.1	1178.6	1139.3	1100.1	1060.8



TEST NUMBER: P1444582  
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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°	1266.8	1305.6	1344.8	1321.8	1298.9	1275.9	1253.0	1230.0	1207.2	1184.2	1161.4
115°	1156.2	1179.2	1202.9	1193.9	1184.9	1176.0	1166.9	1158.1	1149.1	1140.2	1131.4
117.5°	1017.8	1029.1	1041.2	1039.7	1038.3	1036.8	1035.4	1033.8	1032.6	1031.2	1029.8
120°	873.1	876.0	879.6	881.1	882.6	884.1	885.5	886.9	888.4	889.9	891.5
122.5°	750.4	748.2	746.7	748.1	749.6	750.9	752.2	753.7	755.2	756.6	758.0
125°	661.9	657.4	653.9	652.6	651.4	650.2	649.0	647.6	646.5	645.4	644.3
127.5°	596.8	591.9	588.0	584.8	581.5	578.1	574.8	571.5	568.2	564.8	561.7
130°	550.3	545.7	542.3	538.0	534.0	529.5	525.3	521.2	516.9	512.6	508.4
132.5°	515.7	511.5	508.4	504.4	500.4	496.3	492.3	488.2	484.1	480.0	476.0
135°	492.2	488.7	486.4	482.7	479.2	475.4	471.7	468.1	464.4	460.6	457.1
137.5°	471.2	467.9	466.0	463.1	460.3	457.4	454.6	451.7	448.7	445.8	442.9
140°	452.9	449.4	447.3	445.9	444.4	442.7	441.2	439.7	438.2	436.6	435.0
142.5°	438.4	435.1	433.5	432.5	431.7	430.7	430.0	429.1	428.2	427.1	426.2
145°	423.6	419.8	417.9	418.0	418.2	418.2	418.3	418.4	418.5	418.5	418.5
147.5°	412.7	408.9	407.1	407.4	407.7	408.0	408.5	408.7	409.2	409.5	409.8
150°	400.7	396.5	394.4	395.1	395.6	396.3	396.7	397.4	398.0	398.6	399.2
152.5°	390.4	385.3	382.9	383.6	384.3	384.9	385.5	386.2	386.9	387.6	388.3
155°	381.3	376.0	373.5	373.7	374.0	374.2	374.5	374.9	375.3	375.6	376.1
157.5°	375.0	369.6	367.3	367.3	367.4	367.6	367.7	367.8	368.0	368.2	368.5
160°	370.4	365.1	362.9	362.9	363.0	363.1	363.1	363.1	363.3	363.5	363.8
162.5°	366.0	360.9	358.7	358.6	358.6	358.6	358.8	358.8	359.0	359.0	359.3
165°	362.5	358.0	356.2	356.4	356.7	356.8	357.1	357.4	357.6	357.9	358.3
167.5°	362.5	358.6	357.2	357.1	356.9	356.7	356.7	356.5	356.5	356.4	356.4
170°	360.6	357.5	356.2	356.3	356.5	356.5	356.6	356.7	356.8	356.9	357.1
172.5°	359.6	357.4	356.4	356.8	357.2	357.4	357.7	358.0	358.4	358.7	359.1
175°	359.8	358.4	358.0	358.0	358.2	358.4	358.6	358.7	358.9	359.1	359.5
177.5°	361.6	361.1	360.8	360.8	360.8	360.8	360.8	360.8	360.8	360.9	360.9
180°	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7



TEST NUMBER: P1444582  
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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°	45.2	42.9	41.9	39.6	39.0	36.5	36.3	34.0	34.1	31.4	35.2
92.5°	52.4	50.1	47.5	45.3	42.7	40.5	37.9	35.6	33.1	30.7	33.1
95°	64.3	62.1	59.9	57.6	55.4	53.1	51.0	48.7	46.6	44.3	47.1
97.5°	79.5	78.2	76.9	75.6	74.4	73.0	71.7	70.4	69.1	67.8	69.6
100°	89.8	89.8	89.8	89.8	89.7	89.7	89.7	89.7	89.7	89.7	91.2
102.5°	173.2	169.0	164.7	160.4	156.2	152.0	147.7	143.4	139.2	135.0	141.3
105°	393.3	376.7	359.9	343.3	326.6	310.0	293.3	276.7	260.0	243.4	260.6
107.5°	731.5	701.1	670.7	640.4	610.0	579.6	549.3	519.0	488.7	458.3	485.5
110°	1021.5	989.2	957.0	924.8	892.6	860.4	828.3	796.0	763.9	731.7	757.6



TEST NUMBER: P1444582  
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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°	1138.6	1117.6	1096.8	1076.2	1055.4	1034.6	1013.9	993.3	972.6	951.8	964.4
115°	1122.5	1112.6	1102.7	1092.9	1083.1	1073.1	1063.2	1053.5	1043.7	1033.8	1034.6
117.5°	1028.4	1025.2	1021.9	1018.6	1015.4	1012.2	1009.0	1005.9	1002.6	999.6	992.5
120°	893.2	894.2	895.2	896.4	897.6	898.9	900.0	901.2	902.5	903.8	894.4
122.5°	759.5	762.1	764.6	767.2	769.8	772.6	775.1	777.9	780.7	783.5	774.0
125°	643.0	645.5	648.0	650.6	653.0	655.8	658.4	661.2	663.9	666.8	658.8
127.5°	558.4	559.4	560.3	561.4	562.5	563.5	564.7	566.1	567.4	568.6	563.6
130°	504.2	503.4	502.6	502.0	501.4	500.9	500.3	499.9	499.5	499.1	496.8
132.5°	471.9	470.0	468.2	466.4	464.6	462.9	461.3	459.8	458.2	456.9	456.1
135°	453.3	450.7	448.1	445.5	443.0	440.6	438.2	435.9	433.8	431.5	431.9
137.5°	440.0	437.4	434.8	432.2	429.6	427.4	424.8	422.6	420.4	418.2	418.9
140°	433.5	430.7	428.2	425.6	423.3	420.8	418.5	416.3	413.9	411.9	412.4
142.5°	425.2	423.0	420.5	418.3	415.9	413.7	411.6	409.6	407.4	405.6	406.1
145°	418.5	416.9	415.1	413.3	411.8	410.1	408.4	407.0	405.5	404.2	404.5
147.5°	410.2	408.9	407.5	406.3	405.0	403.9	402.7	401.6	400.5	399.6	399.6
150°	399.8	399.0	398.1	397.3	396.4	395.7	395.0	394.2	393.5	392.9	392.7
152.5°	389.0	388.2	387.4	386.6	385.8	385.2	384.5	383.8	383.2	382.5	382.4
155°	376.5	376.1	375.7	375.4	375.0	374.8	374.4	374.3	374.1	373.8	373.9
157.5°	368.6	368.6	368.4	368.4	368.3	368.3	368.1	368.2	368.0	368.1	368.2
160°	364.1	363.8	363.5	363.3	363.1	362.9	362.6	362.5	362.3	362.1	362.4
162.5°	359.5	359.7	359.7	359.8	360.0	360.1	360.3	360.6	360.7	360.9	361.1
165°	358.7	358.5	358.4	358.2	358.2	358.2	358.1	358.2	358.1	358.1	358.5
167.5°	356.3	356.6	356.7	357.0	357.2	357.4	357.6	358.0	358.3	358.7	359.0
170°	357.2	357.2	357.2	357.2	357.2	357.3	357.4	357.4	357.5	357.5	357.8
172.5°	359.5	359.5	359.4	359.5	359.4	359.5	359.5	359.5	359.5	359.6	359.8
175°	359.5	359.9	360.1	360.3	360.5	360.6	360.8	361.0	361.2	361.4	361.4
177.5°	360.9	360.9	360.9	360.9	360.9	361.0	361.0	361.0	361.0	360.9	361.1
180°	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7



TEST NUMBER: P1444582  
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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°	36.0	39.3	40.2	43.3	44.4	47.8	49.2	52.6	53.8	57.6	59.2
92.5°	35.6	37.9	40.4	42.7	45.2	47.5	50.0	52.4	57.6	62.7	67.9
95°	49.8	52.7	55.4	58.2	60.9	63.7	66.5	69.3	76.8	84.4	91.9
97.5°	71.6	73.3	75.1	77.0	78.9	80.6	82.5	84.4	92.6	100.8	108.9
100°	92.6	94.1	95.6	97.1	98.6	100.1	101.6	103.0	118.9	134.6	150.3
102.5°	147.5	153.8	160.1	166.4	172.7	179.0	185.3	191.5	227.7	263.7	299.8
105°	277.8	295.0	312.2	329.5	346.6	363.8	381.1	398.3	456.0	513.7	571.5
107.5°	512.7	539.9	567.1	594.4	621.6	648.7	675.9	703.2	759.4	815.9	872.1
110°	783.5	809.4	835.2	861.3	887.1	913.0	939.0	965.0	998.8	1032.5	1066.3



TEST NUMBER: P1444582  
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**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	977.0	989.5	1002.2	1014.8	1027.5	1040.1	1052.8	1065.5	1082.3	1099.1	1115.9
115°	1035.4	1036.2	1037.0	1037.8	1038.6	1039.4	1040.3	1041.3	1046.5	1051.7	1056.8
117.5°	985.6	978.5	971.7	964.7	957.8	950.9	944.2	937.4	936.1	934.8	933.8
120°	885.1	875.8	866.5	857.0	847.9	838.6	829.4	820.3	815.5	810.7	805.9
122.5°	764.8	755.5	746.1	736.8	727.7	718.4	709.4	700.4	696.9	693.4	690.0
125°	651.0	643.2	635.4	627.7	620.1	612.5	604.9	597.3	596.9	596.3	596.0
127.5°	558.8	554.0	549.2	544.6	540.0	535.3	530.7	526.1	527.8	529.5	531.1
130°	494.6	492.5	490.4	488.2	486.3	484.4	482.3	480.4	483.7	486.7	490.0
132.5°	455.7	455.2	454.8	454.4	454.1	453.8	453.7	453.3	457.1	460.8	464.4
135°	432.3	432.7	433.3	433.8	434.5	435.1	435.8	436.5	440.1	443.5	447.0
137.5°	419.6	420.5	421.4	422.3	423.4	424.3	425.4	426.5	429.3	431.9	434.7
140°	413.0	413.4	414.2	415.0	415.8	416.5	417.5	418.3	420.5	422.6	424.7
142.5°	406.8	407.2	407.8	408.6	409.4	410.1	410.9	411.7	413.1	414.7	416.4
145°	404.9	405.3	405.8	406.2	406.7	407.3	407.8	408.3	409.3	410.1	411.2
147.5°	399.8	400.0	400.3	400.6	401.0	401.3	401.5	401.8	402.3	402.8	403.4
150°	392.7	392.7	392.8	392.8	393.0	393.1	393.2	393.3	393.8	394.2	394.7
152.5°	382.5	382.4	382.4	382.5	382.6	382.6	382.6	382.7	383.2	383.6	384.1
155°	374.1	374.2	374.4	374.6	374.9	375.0	375.3	375.5	375.8	376.0	376.3
157.5°	368.4	368.5	368.7	368.9	369.1	369.3	369.6	369.7	370.0	370.2	370.4
160°	362.8	363.2	363.5	363.9	364.3	364.7	365.1	365.6	365.8	366.0	366.2
162.5°	361.3	361.5	361.8	362.0	362.2	362.4	362.6	362.8	363.2	363.5	364.0
165°	358.9	359.3	359.8	360.0	360.5	361.0	361.3	361.8	361.9	362.2	362.4
167.5°	359.5	359.8	360.3	360.6	361.0	361.4	361.8	362.2	362.4	362.5	362.8
170°	358.2	358.6	358.9	359.2	359.6	359.9	360.3	360.7	361.1	361.4	361.8
172.5°	360.1	360.4	360.7	360.9	361.2	361.6	361.9	362.2	362.6	362.9	363.1
175°	361.4	361.4	361.5	361.5	361.6	361.6	361.7	361.8	361.8	361.9	361.9
177.5°	361.3	361.5	361.7	361.8	362.0	362.2	362.4	362.6	362.6	362.6	362.6
180°	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7



TEST NUMBER: P1444582  
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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°	63.6	65.5	69.9	72.0	77.1	79.5	79.5	76.5	76.3	73.5	73.3
92.5°	73.0	78.3	83.5	88.6	93.8	99.1	94.2	89.4	84.6	79.9	74.9
95°	99.5	107.2	114.7	122.3	129.9	137.4	129.3	121.2	113.2	105.0	96.9
97.5°	117.1	125.1	133.3	141.4	149.6	157.8	148.1	138.5	128.9	119.3	109.8
100°	166.0	181.7	197.4	213.2	229.0	244.7	226.8	208.9	191.0	173.0	155.1
102.5°	335.9	372.0	408.1	444.2	480.2	516.4	478.3	440.3	402.2	364.2	326.1
105°	629.2	687.1	744.8	802.5	860.3	918.1	856.4	794.7	733.1	671.4	609.6
107.5°	928.4	984.7	1041.1	1097.3	1153.7	1210.1	1147.5	1084.9	1022.4	959.7	897.1
110°	1100.2	1133.8	1167.7	1201.5	1235.3	1269.2	1223.4	1177.8	1132.0	1086.2	1040.5



TEST NUMBER: P1444582  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L850-UPL30

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	1132.7	1149.6	1166.4	1183.3	1200.1	1217.0	1184.2	1151.6	1118.8	1086.1	1053.2
115°	1062.1	1067.3	1072.6	1077.9	1083.2	1088.4	1066.3	1044.1	1022.0	999.9	977.6
117.5°	932.6	931.5	930.2	929.2	928.0	926.9	914.4	901.9	889.4	876.8	864.4
120°	801.0	796.3	791.5	786.7	782.0	777.1	771.8	766.3	760.9	755.5	749.9
122.5°	686.5	683.2	679.6	676.3	672.7	669.2	667.1	664.8	662.5	660.2	657.9
125°	595.6	595.1	594.6	594.2	593.6	593.2	591.9	590.6	589.3	588.0	586.7
127.5°	532.7	534.5	536.0	537.6	539.2	540.7	540.3	539.7	539.2	538.6	538.1
130°	492.9	496.2	499.3	502.2	505.3	508.4	507.5	506.7	505.9	505.0	504.0
132.5°	468.2	471.8	475.4	479.2	482.7	486.2	485.2	484.3	483.1	482.1	481.0
135°	450.5	454.0	457.3	460.9	464.2	467.6	466.3	465.1	463.8	462.7	461.4
137.5°	437.4	440.1	442.7	445.5	448.0	450.7	449.4	448.2	446.8	445.7	444.4
140°	426.8	428.9	430.8	433.0	435.0	437.0	435.5	434.1	432.7	431.2	429.6
142.5°	417.8	419.3	420.7	422.3	423.8	425.2	423.2	421.4	419.5	417.6	415.7
145°	412.1	412.9	413.8	414.8	415.4	416.4	414.3	412.2	410.0	407.9	405.8
147.5°	403.9	404.3	404.7	405.3	405.6	406.1	404.0	402.0	400.1	398.0	396.0
150°	395.1	395.6	395.9	396.3	396.7	397.1	395.1	393.0	390.9	388.9	386.8
152.5°	384.5	384.9	385.2	385.5	385.9	386.3	384.3	382.6	380.5	378.6	376.7
155°	376.4	376.7	376.8	377.1	377.1	377.3	375.6	374.1	372.5	370.9	369.2
157.5°	370.6	370.8	371.0	371.1	371.3	371.4	370.2	369.0	367.7	366.5	365.2
160°	366.4	366.5	366.7	366.8	367.0	367.1	366.0	365.1	364.0	363.0	361.9
162.5°	364.4	364.7	365.0	365.3	365.7	366.0	364.8	363.6	362.5	361.2	359.8
165°	362.5	362.7	362.9	363.1	363.1	363.2	362.4	361.6	360.7	359.8	358.9
167.5°	362.9	363.1	363.1	363.3	363.4	363.5	362.7	361.9	361.0	360.1	359.2
170°	362.1	362.3	362.7	363.0	363.2	363.4	362.8	362.2	361.4	360.8	360.0
172.5°	363.4	363.6	363.8	364.1	364.3	364.7	363.9	363.2	362.6	361.9	361.1
175°	361.9	362.0	362.1	362.1	362.1	362.2	361.6	361.1	360.5	359.9	359.4
177.5°	362.6	362.6	362.6	362.6	362.6	362.6	362.2	361.8	361.5	361.1	360.6
180°	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7



TEST NUMBER: P1444582  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L850-UPL30

**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°	70.5	70.4	67.6	67.8	66.4	67.7	66.7	68.0	66.7	67.6	65.9
92.5°	70.1	65.3	60.6	55.7	53.3	50.8	48.6	46.0	43.7	41.2	38.8
95°	88.7	80.6	72.5	64.3	61.6	58.7	55.9	53.1	50.4	47.6	44.8
97.5°	100.2	90.6	80.9	71.3	68.9	66.5	63.9	61.6	59.1	56.8	54.3
100°	137.1	119.2	101.4	83.3	81.2	79.3	77.2	75.1	73.2	71.1	69.1
102.5°	288.1	250.1	212.0	173.9	166.7	159.4	152.3	144.9	137.7	130.4	123.3
105°	547.9	486.2	424.4	362.7	343.0	323.5	303.8	284.3	264.6	245.1	225.4
107.5°	834.4	771.7	709.1	646.4	610.3	574.0	537.8	501.5	465.3	429.0	392.7
110°	994.9	949.0	903.2	857.3	828.3	799.0	769.8	740.5	711.5	682.1	652.9



TEST NUMBER: P1444582  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L850-UPL30

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1020.5	987.7	954.9	922.0	908.7	895.4	882.2	868.9	855.7	842.3	829.0
115°	955.4	933.3	911.0	888.6	884.0	879.2	874.5	869.7	865.0	860.2	855.4
117.5°	851.8	839.3	826.6	814.0	814.7	815.4	816.1	816.7	817.3	817.7	818.4
120°	744.4	739.0	733.5	727.9	731.9	735.6	739.6	743.3	747.1	750.8	754.6
122.5°	655.6	653.2	651.0	648.6	653.3	657.9	662.6	667.3	671.8	676.2	680.7
125°	585.4	584.1	582.8	581.3	586.1	590.7	595.4	600.0	604.6	609.0	613.5
127.5°	537.5	536.9	536.3	535.7	539.1	542.2	545.6	548.6	551.8	554.8	557.8
130°	503.1	502.1	501.4	500.5	503.3	506.3	509.2	511.9	514.7	517.3	519.9
132.5°	480.0	478.9	477.9	476.8	478.9	480.8	482.8	484.6	486.4	488.1	489.8
135°	460.2	458.8	457.6	456.3	458.2	460.0	461.8	463.4	465.2	466.7	468.3
137.5°	443.2	441.8	440.6	439.3	440.9	442.5	444.2	445.6	447.0	448.4	449.8
140°	428.2	426.7	425.3	423.8	425.1	426.5	428.0	429.3	430.5	431.6	432.9
142.5°	413.7	411.8	410.1	408.0	409.1	410.0	411.0	411.9	412.9	413.6	414.4
145°	403.6	401.5	399.3	397.1	398.0	398.7	399.5	400.3	400.8	401.4	402.0
147.5°	394.0	391.8	389.9	387.8	388.5	389.0	389.4	389.9	390.5	390.8	391.1
150°	384.8	382.6	380.5	378.4	378.9	379.4	379.7	380.2	380.6	381.0	381.3
152.5°	374.7	372.7	370.8	368.7	369.1	369.5	369.8	370.2	370.6	370.9	371.2
155°	367.7	366.0	364.3	362.6	363.1	363.3	363.5	363.9	364.2	364.5	364.6
157.5°	363.9	362.5	361.3	359.9	360.0	360.2	360.3	360.3	360.3	360.4	360.4
160°	360.8	359.6	358.5	357.4	357.5	357.5	357.6	357.6	357.6	357.5	357.6
162.5°	358.5	357.3	356.0	354.6	354.7	354.8	354.9	354.9	354.9	354.8	354.8
165°	357.9	357.1	356.1	355.1	355.0	354.9	354.8	354.6	354.5	354.2	354.1
167.5°	358.2	357.4	356.3	355.3	355.4	355.6	355.7	355.7	355.7	355.6	355.7
170°	359.3	358.4	357.7	356.9	356.8	356.8	356.6	356.5	356.4	356.2	356.1
172.5°	360.3	359.5	358.8	357.8	357.8	357.8	357.7	357.6	357.5	357.4	357.4
175°	358.7	358.1	357.5	357.0	356.9	356.9	356.8	356.8	356.7	356.6	356.5
177.5°	360.2	359.9	359.4	359.0	359.0	359.0	358.9	358.8	358.8	358.8	358.7
180°	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7



TEST NUMBER: P1444582  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L850-UPL30

**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°	66.7	64.7
92.5°	36.4	34.2
95°	42.0	39.3
97.5°	52.0	49.5
100°	67.1	65.0
102.5°	116.0	108.8
105°	205.9	186.2
107.5°	356.5	320.2
110°	623.6	594.5



TEST NUMBER: P1444582  
CATALOG NUMBER: EHBR1-18-UNV-TA-L850-UPL30

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	815.7	802.3
115°	850.5	845.6
117.5°	818.8	819.4
120°	758.0	761.8
122.5°	685.0	689.5
125°	617.9	622.2
127.5°	560.7	563.5
130°	522.3	524.8
132.5°	491.3	492.8
135°	469.5	470.9
137.5°	451.0	452.0
140°	433.8	434.8
142.5°	415.0	415.7
145°	402.4	402.9
147.5°	391.2	391.6
150°	381.5	381.8
152.5°	371.3	371.6
155°	364.8	365.0
157.5°	360.3	360.3
160°	357.5	357.5
162.5°	354.7	354.8
165°	353.8	353.5
167.5°	355.6	355.7
170°	355.9	355.8
172.5°	357.2	357.1
175°	356.4	356.4
177.5°	358.7	358.6
180°	360.7	360.7

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-4

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

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**Photopic Flux vs. Wavelength**

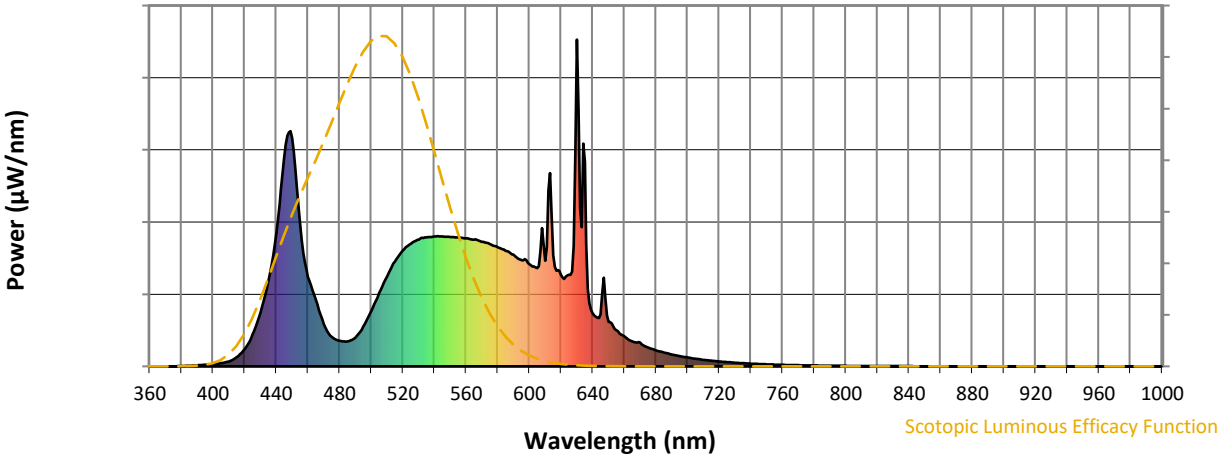


**Photopic Lumens: NR**

$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /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**

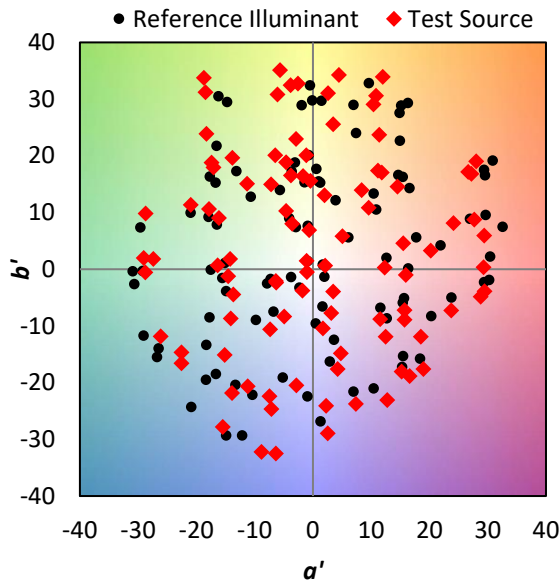
λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	89	NR	620	280	NR	750	6	NR	880	0	NR
365	0	NR	495	121	NR	625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

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

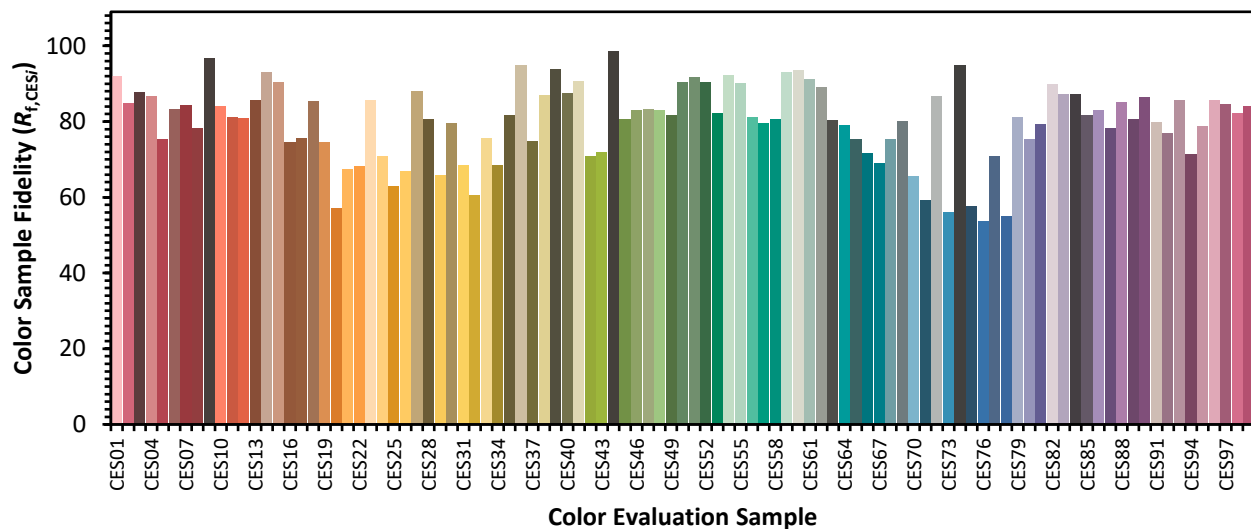


**Color Vector Graphics**

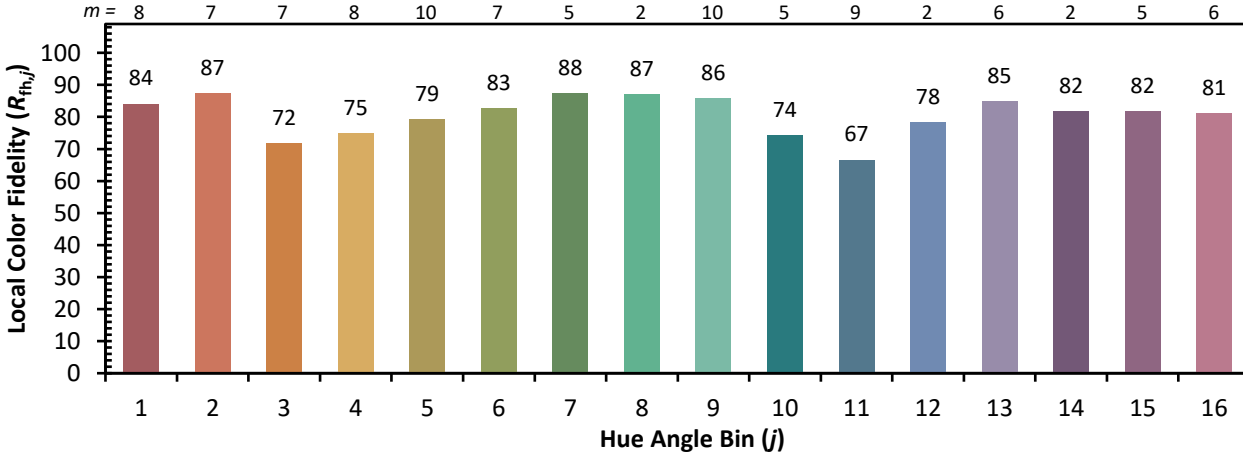


**Individual Sample Fidelity Index ( $R_{f,i}$ )**

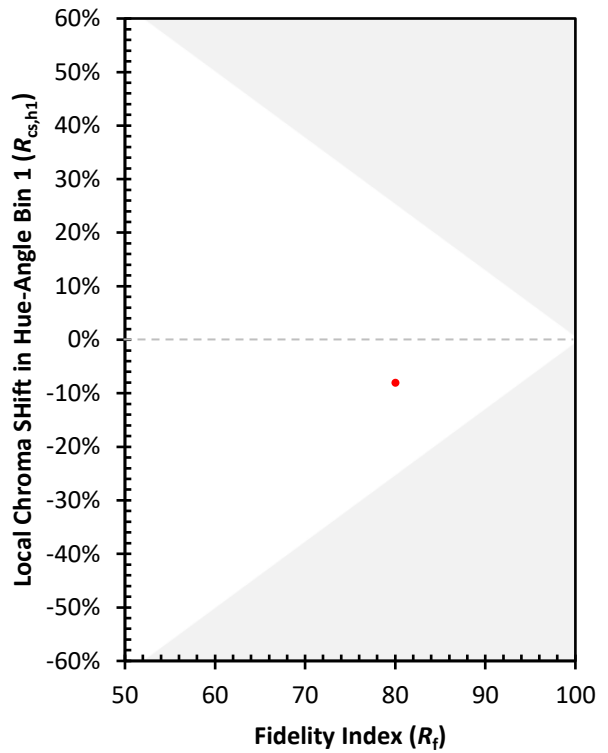
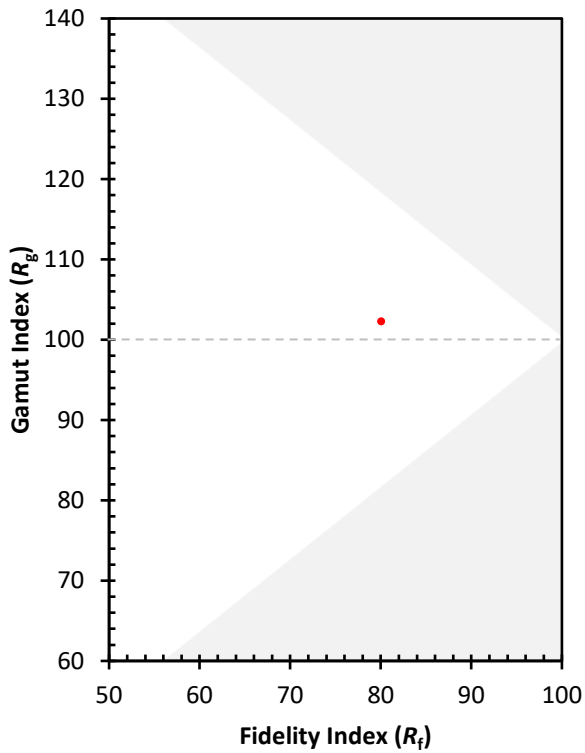
CES01 = 85	CES26 = 67	CES51 = 92	CES76 = 54
CES02 = 60	CES27 = 88	CES52 = 91	CES77 = 71
CES03 = 31	CES28 = 81	CES53 = 82	CES78 = 55
CES04 = 69	CES29 = 66	CES54 = 92	CES79 = 81
CES05 = 47	CES30 = 80	CES55 = 90	CES80 = 75
CES06 = 50	CES31 = 69	CES56 = 81	CES81 = 79
CES07 = 40	CES32 = 61	CES57 = 80	CES82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