

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: P1444410

Luminaire Tested: EHBR1-48-UNV-TA-L840-UPL36

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444410
REPORT IS A COMBINATION OF REPORTS P1444351 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-48-UNV-TA-L840-UPL36
Description: Elevate Round Highbay at, 48000 lumens, 4000K 80CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

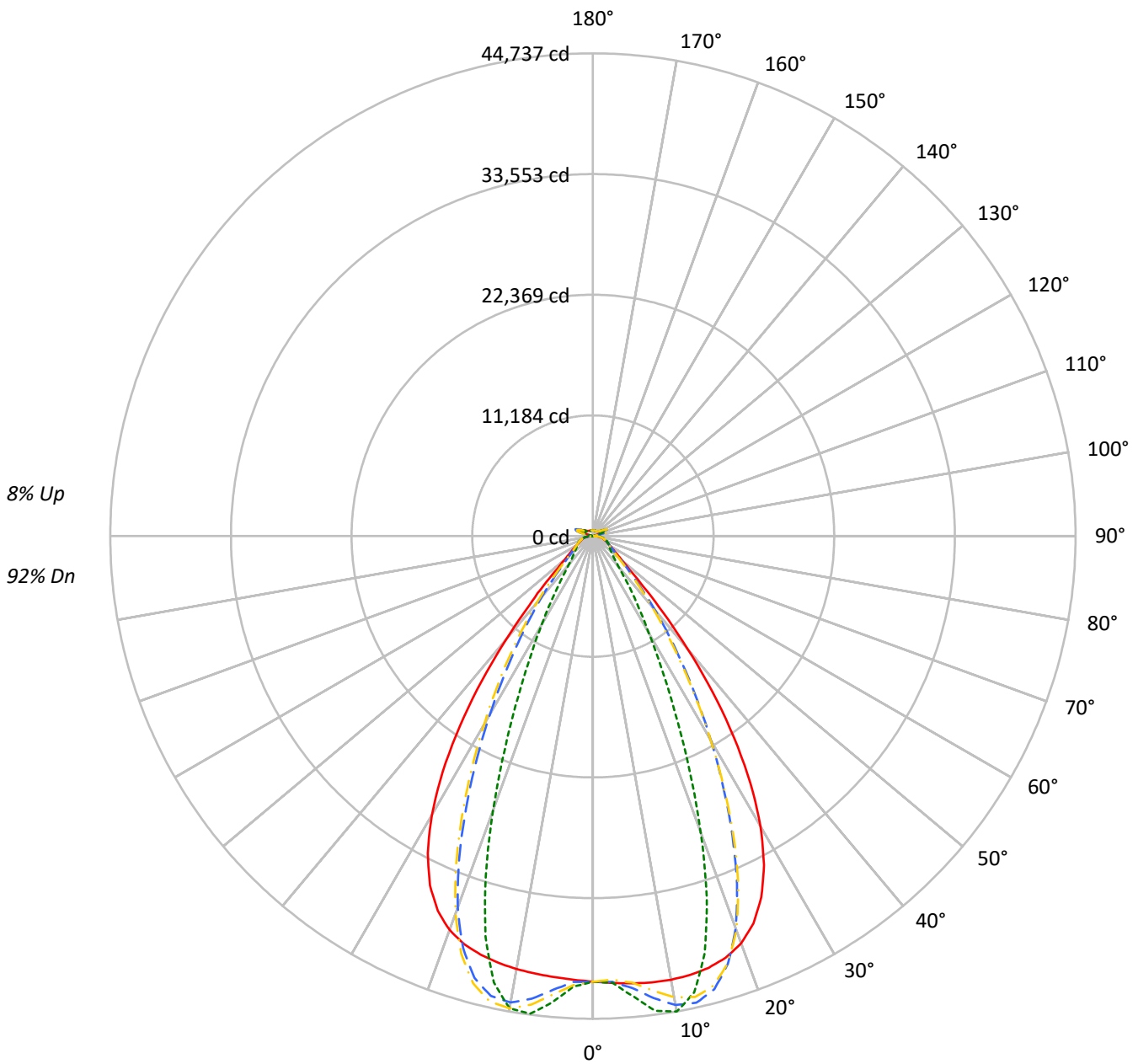
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 51525.6 lumens
Efficiency: N/A
Efficacy: 179.5 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: Direct

Input Watts (W): 287
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				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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	95	95	95	92
1	110	107	103	101	107	104	101	98	98	96	94	93	91	90	88	87	86	88	87	86	83
2	103	97	92	88	100	95	90	87	90	87	84	86	83	81	82	80	78	82	80	78	76
3	97	89	83	79	94	87	82	77	83	79	75	80	76	73	77	74	71	77	74	71	69
4	91	82	76	71	89	81	75	70	77	72	68	74	70	67	72	68	65	72	68	65	63
5	86	76	69	64	83	75	68	64	72	67	62	69	65	61	67	63	60	67	63	60	58
6	81	71	64	59	79	69	63	59	67	62	57	65	60	56	63	59	55	63	59	55	54
7	76	66	59	54	74	65	59	54	63	57	53	61	56	52	59	55	52	59	55	52	50
8	72	62	55	50	71	61	54	50	59	53	49	57	52	49	56	51	48	56	51	48	46
9	68	58	51	47	67	57	51	47	55	50	46	54	49	45	53	48	45	53	48	45	43
10	65	54	48	44	64	54	48	44	52	47	43	51	46	43	50	45	42	50	45	42	41

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	193929	193929	193929	193929
5°	194868	200550	192141	203177
10°	196495	210562	191783	209170
15°	197459	190873	191448	183188
20°	195418	142194	189021	131563
25°	184970	89930	178857	81595
30°	161585	54041	155327	49388
35°	124357	33911	117204	30039
40°	78667	21272	71974	19988
45°	40546	16572	39874	16299
50°	23772	14740	23043	14511
55°	18212	13946	17538	13821
60°	15410	14246	14753	14061
65°	14474	14878	13920	14370
70°	14141	15578	13436	14991
75°	15120	16521	14302	15790
80°	15644	18294	14186	16699
85°	14734	17652	11909	15112

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 62051 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4069.8	7.9
10°-20°	11448.8	22.2
20°-30°	13039.2	25.3
30°-40°	9372.0	18.2
40°-50°	4322.4	8.4
50°-60°	2068.4	4.0
60°-70°	1509.2	2.9
70°-80°	1146.6	2.2
80°-90°	528.1	1.0
90°-100°	114.7	0.2
100°-110°	659.8	1.3
110°-120°	1218.9	2.4
120°-130°	745.6	1.4
130°-140°	479.1	0.9
140°-150°	355.2	0.7
150°-160°	247.4	0.5
160°-170°	149.2	0.3
170°-180°	51.1	0.1
0°-30°	28557.8	55.4
0°-40°	37929.8	73.6
0°-60°	44320.6	86.0
0°-90°	47504.5	92.2
90°-120°	1993.4	3.9
90°-150°	3573.4	6.9
90°-180°	4021.0	7.8
0°-180°	51525.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	41296	41296	41296	41296	41296	
5°	41607	42821	41025	43382	41607	3976
15°	41426	40044	40165	38432	41426	11672
25°	36938	17959	35718	16294	36938	16745
35°	22824	6224	21511	5513	22824	14008
45°	6560	2681	6452	2637	6560	5579
55°	2461	1885	2370	1868	2461	2272
65°	1511	1553	1453	1500	1511	1509
75°	1065	1164	1008	1112	1065	1108
85°	506	607	409	519	506	476
90°	142	178	44	53	142	88
95°	52	58	53	59	52	50
105°	238	306	160	307	238	315
115°	1063	1289	1114	1290	1063	982
125°	800	838	905	840	800	728
135°	629	558	677	562	629	491
145°	559	542	594	548	559	353
155°	522	524	556	528	522	243
165°	520	519	539	522	520	148
175°	532	537	541	538	532	51
180°	539	539	539	539	539	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8
2.5°	41453.7	41450.2	41449.6	41446.8	41446.0	41446.0	41444.6	41441.2	41439.1	41434.4	41429.0
5°	41607.4	41605.6	41606.7	41607.0	41604.1	41597.6	41587.5	41575.1	41559.5	41544.9	41531.7
7.5°	41726.4	41729.3	41732.9	41732.1	41723.2	41708.0	41687.3	41675.7	41682.6	41705.1	41756.6
10°	41748.1	41765.8	41772.7	41770.6	41752.5	41739.5	41744.5	41788.3	41875.4	41991.6	42150.5
12.5°	41663.4	41685.2	41684.4	41677.2	41659.8	41677.6	41740.9	41871.2	42057.8	42287.0	42555.7
15°	41425.8	41454.0	41446.0	41436.6	41425.0	41483.3	41609.8	41836.1	42124.4	42447.5	42778.3
17.5°	40964.3	40998.3	40981.7	40971.3	40961.5	41070.7	41288.2	41619.3	41982.6	42348.0	42661.5
20°	40164.0	40186.8	40147.4	40128.8	40144.5	40358.6	40678.9	41101.9	41484.7	41830.3	42044.5
22.5°	38857.6	38886.0	38812.0	38803.4	38894.7	39223.6	39628.9	40101.8	40461.4	40735.3	40817.9
25°	36938.4	36966.3	36878.4	36930.9	37086.1	37534.1	38016.8	38522.6	38829.4	39032.5	38976.4
27.5°	34348.0	34373.4	34290.1	34397.2	34642.6	35231.2	35799.3	36348.0	36621.5	36763.6	36583.5
30°	31080.8	31133.6	31035.2	31184.8	31559.3	32323.4	32974.3	33589.6	33862.3	33970.5	33690.1
32.5°	27200.5	27275.6	27167.1	27389.6	27912.2	28830.2	29569.6	30257.0	30558.7	30682.2	30365.6
35°	22824.0	22931.6	22807.2	23141.2	23785.7	24807.9	25626.7	26394.2	26751.4	26926.6	26607.4
37.5°	18187.2	18289.9	18222.5	18668.1	19375.8	20435.4	21271.1	22099.1	22502.5	22765.4	22513.7
40°	13635.0	13729.0	13779.9	14289.5	14955.0	15953.7	16756.4	17575.7	18027.0	18356.8	18201.7
42.5°	9623.6	9718.4	9891.6	10383.2	10938.3	11764.9	12452.6	13188.1	13619.2	13971.1	13911.3
45°	6560.2	6670.3	6887.2	7289.8	7691.2	8284.3	8789.2	9361.3	9713.4	10035.8	10039.6
47.5°	4597.1	4674.4	4868.3	5143.2	5404.9	6147.3	6177.8	6458.9	6695.6	6936.6	6967.8
50°	3542.9	3589.4	3692.2	3845.5	3993.7	4186.4	4362.9	4566.6	4712.3	4844.4	4875.9
52.5°	2912.1	2941.5	2993.9	3076.8	3162.9	3267.7	3362.2	3474.0	3553.3	3624.0	3638.9
55°	2461.2	2485.7	2563.6	2579.3	2677.7	2696.7	2738.6	2806.7	2852.8	2895.2	2905.7
57.5°	2120.9	2138.7	2155.2	2190.5	2220.9	2264.9	2300.4	2349.3	2378.3	2409.0	2411.6
60°	1852.5	1865.3	1877.1	1901.7	1922.2	1952.9	1977.3	2010.5	2031.4	2054.3	2056.9
62.5°	1652.7	1661.9	1669.8	1685.9	1700.7	1724.3	1743.7	1771.4	1790.8	1808.5	1812.6
65°	1510.8	1517.4	1522.5	1534.8	1547.6	1567.7	1585.2	1607.9	1622.2	1635.8	1638.7
67.5°	1385.0	1391.3	1396.6	1407.8	1416.6	1431.6	1443.4	1460.4	1471.1	1481.9	1482.2
70°	1240.8	1246.7	1250.7	1261.1	1268.3	1281.1	1290.6	1305.9	1316.9	1329.1	1332.1
72.5°	1141.0	1144.5	1149.9	1159.3	1169.3	1183.1	1195.8	1211.7	1225.0	1237.5	1242.9
75°	1065.1	1069.2	1072.7	1080.8	1087.7	1099.3	1108.8	1123.3	1135.0	1148.4	1155.0
77.5°	955.5	960.3	963.3	971.4	977.3	988.5	995.6	1008.6	1018.1	1030.3	1036.2
80°	823.0	827.5	829.7	837.4	842.1	852.3	859.2	871.8	879.7	892.0	899.1
82.5°	676.3	680.6	681.8	689.0	691.7	700.0	705.1	717.9	727.7	743.6	754.6
85°	506.4	507.9	510.5	508.5	518.8	519.4	531.0	533.3	548.5	552.5	570.0
87.5°	309.7	314.2	316.5	323.6	326.6	333.7	335.8	343.3	347.4	356.0	360.0
90°	141.5	149.2	152.3	161.4	164.3	172.3	174.9	183.9	187.0	196.3	200.9
92.5°	46.1	49.1	52.0	55.4	58.3	62.3	65.7	69.0	72.0	75.9	82.0
95°	52.5	55.9	59.3	62.8	66.2	69.7	73.2	76.6	80.0	83.4	93.3
97.5°	65.8	68.8	71.7	74.8	77.7	80.7	83.6	86.7	89.6	92.4	104.3
100°	85.4	87.9	90.4	92.9	95.5	98.0	100.5	103.0	105.5	108.1	130.2
102.5°	140.8	149.7	158.6	167.6	176.5	185.4	194.3	203.2	212.1	221.1	268.0
105°	237.6	261.7	286.3	310.4	334.7	359.0	383.3	407.3	431.7	455.9	532.4
107.5°	405.2	450.0	495.0	539.9	584.9	629.6	674.6	719.4	764.2	808.8	886.5
110°	747.1	783.0	819.2	855.2	891.2	927.6	963.7	999.4	1035.6	1071.6	1128.4



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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°	1007.0	1023.2	1039.5	1055.9	1072.2	1088.3	1104.6	1120.8	1137.1	1153.2	1193.7
115°	1063.1	1068.7	1074.6	1080.0	1085.9	1091.4	1097.1	1102.6	1108.3	1113.6	1141.1
117.5°	1033.5	1032.4	1031.3	1030.4	1029.1	1028.0	1026.8	1025.5	1024.2	1022.9	1038.4
120°	965.4	960.3	955.3	950.0	944.9	939.6	934.4	929.2	923.7	918.3	925.0
122.5°	879.0	873.0	867.1	860.8	854.6	848.3	842.1	835.4	829.2	822.8	825.2
125°	799.5	793.3	787.5	781.1	774.6	768.2	761.8	755.2	748.9	742.0	743.2
127.5°	730.8	726.6	722.1	717.5	712.9	708.1	703.4	698.4	693.8	688.6	688.8
130°	686.9	683.1	679.1	674.9	670.8	666.2	661.8	657.4	653.0	648.3	648.7
132.5°	651.6	649.0	646.1	643.0	639.8	636.3	633.0	629.3	626.0	622.7	623.1
135°	628.6	625.9	623.5	620.4	617.5	614.2	610.9	607.5	604.4	600.9	601.7
137.5°	609.2	606.8	604.5	601.7	598.9	595.7	592.9	589.7	586.6	583.3	584.0
140°	591.7	589.6	587.3	584.6	582.2	579.5	576.5	573.6	570.8	567.7	568.8
142.5°	571.6	569.8	568.1	565.9	564.0	561.4	559.2	556.6	554.2	551.7	553.2
145°	558.9	557.4	556.0	554.1	552.2	550.1	548.1	545.8	543.9	541.5	543.2
147.5°	547.7	546.4	545.4	543.9	542.4	540.4	538.8	536.8	535.2	533.3	535.0
150°	538.0	536.9	535.9	534.5	533.0	531.2	529.6	527.9	526.2	524.4	526.0
152.5°	527.5	526.3	525.4	524.0	522.7	520.7	519.6	517.7	516.2	514.5	516.0
155°	521.9	520.6	519.4	518.2	516.8	515.3	513.8	512.3	510.9	509.1	510.3
157.5°	518.8	517.7	516.9	515.5	514.7	513.4	512.3	511.0	509.8	508.6	509.3
160°	518.3	517.3	516.4	515.2	514.1	512.8	511.8	510.5	509.6	508.3	509.0
162.5°	518.1	517.0	515.9	514.8	513.9	512.5	511.6	510.6	509.4	508.2	509.0
165°	519.6	519.0	518.3	517.5	516.7	516.0	515.2	514.3	513.6	512.6	513.1
167.5°	525.3	524.4	523.6	522.7	521.7	520.7	519.7	518.8	518.0	516.9	517.4
170°	527.8	527.0	526.6	526.1	525.5	524.9	524.4	523.8	523.2	522.6	523.1
172.5°	531.1	530.5	530.2	529.9	529.3	529.0	528.5	528.1	527.8	527.2	527.9
175°	531.7	531.2	531.1	530.8	530.5	530.2	530.0	529.7	529.7	529.3	529.7
177.5°	535.5	535.3	535.3	535.2	535.2	535.0	534.9	534.6	534.4	534.4	534.8
180°	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6



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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°	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8
2.5°	41425.0	41420.0	41413.1	41404.3	41396.8	41388.2	41367.5	41361.3	41368.2	41372.8	41382.3
5°	41523.4	41526.3	41527.4	41546.2	41562.4	41603.0	41920.7	42046.9	42144.6	42206.7	42300.7
7.5°	41820.2	41915.7	42010.1	42137.2	42246.7	42394.7	42950.6	43187.2	43355.4	43476.3	43625.0
10°	42323.1	42531.6	42727.0	42956.0	43152.8	43378.2	43895.6	44126.2	44271.7	44377.6	44476.5
12.5°	42829.7	43118.8	43380.0	43634.9	43847.9	44043.4	44225.3	44306.0	44312.9	44316.2	44263.7
15°	43093.6	43369.9	43600.1	43768.6	43893.8	43949.2	43635.9	43471.6	43263.9	43092.8	42811.3
17.5°	42927.0	43092.8	43192.3	43182.5	43130.7	42957.5	42070.2	41582.0	41097.5	40660.9	40088.3
20°	42186.7	42174.0	42087.5	41842.5	41547.3	41088.2	39566.8	38689.1	37840.5	37095.2	36190.9
22.5°	40809.4	40592.8	40290.6	39762.3	39175.3	38373.3	36193.1	34902.0	33720.6	32677.0	31507.8
25°	38813.9	38368.0	37810.8	36972.1	36059.9	34890.0	32203.0	30597.0	29178.7	27948.4	26599.5
27.5°	36259.9	35588.4	34771.8	33610.9	32375.2	30876.4	27897.3	26125.0	24602.3	23283.4	21847.7
30°	33236.4	32363.0	31308.5	29867.6	28377.1	26677.3	23655.8	21860.7	20319.4	18962.5	17525.7
32.5°	29819.5	28796.5	27560.7	25943.7	24331.7	22583.9	19666.0	17928.4	16456.1	15150.7	13850.3
35°	26050.8	24953.8	23646.4	21997.0	20394.8	18695.5	16018.1	14451.3	13151.2	11997.4	10947.3
37.5°	22008.2	20931.1	19688.5	18133.9	16648.2	15108.4	12798.2	11485.2	10394.2	9436.6	8625.7
40°	17805.0	16862.4	15787.3	14443.4	13175.4	11893.0	9996.6	8954.5	8093.5	7363.1	6755.6
42.5°	13653.4	12922.9	12098.4	11036.4	10066.1	9089.7	7630.1	6857.9	6220.2	5694.4	5264.9
45°	9906.0	9417.3	8864.4	8126.1	7454.6	6773.5	5734.7	5192.1	4776.8	4437.8	4151.1
47.5°	6924.8	6641.3	6624.1	5941.8	5449.4	5033.0	4363.7	4021.0	3766.5	3561.1	3379.5
50°	4863.1	4726.0	4555.6	4312.1	4083.6	3848.2	3440.5	3233.2	3084.2	2959.8	2845.0
52.5°	3635.5	3564.3	3473.6	3344.4	3220.5	3088.1	2830.1	2698.3	2651.3	2535.5	2444.6
55°	2903.8	2862.9	2811.3	2735.4	2660.1	2630.0	2408.8	2310.8	2248.9	2203.2	2154.3
57.5°	2412.0	2381.5	2351.0	2299.5	2255.9	2203.2	2085.7	2035.6	1998.6	1971.7	1937.9
60°	2057.5	2039.2	2022.0	1991.9	1968.4	1939.9	1865.3	1837.0	1817.7	1801.6	1780.0
62.5°	1815.9	1806.6	1797.7	1781.6	1769.7	1754.2	1703.3	1689.7	1680.0	1671.9	1658.7
65°	1641.5	1634.9	1629.9	1619.2	1613.3	1604.2	1560.5	1551.3	1545.3	1542.5	1534.8
67.5°	1483.2	1476.2	1472.9	1465.3	1462.8	1457.2	1421.4	1416.3	1414.3	1415.2	1412.5
70°	1335.0	1332.1	1333.7	1332.4	1335.8	1336.8	1315.1	1315.0	1317.2	1321.9	1322.3
72.5°	1246.2	1246.2	1247.9	1248.7	1252.0	1253.5	1235.4	1234.5	1235.5	1239.0	1239.1
75°	1161.8	1163.2	1167.7	1169.3	1173.1	1173.9	1150.0	1147.2	1147.4	1150.6	1149.6
77.5°	1044.8	1049.9	1058.6	1063.2	1070.5	1072.0	1045.1	1042.0	1042.1	1045.3	1042.6
80°	912.1	921.8	935.7	945.3	956.7	961.3	933.7	927.2	921.0	920.1	914.7
82.5°	771.2	783.0	799.6	808.4	820.5	823.2	777.1	768.5	763.2	763.7	758.7
85°	588.8	597.6	612.8	617.7	625.2	624.6	571.9	549.4	555.5	546.1	553.4
87.5°	369.3	374.5	384.0	385.2	388.8	388.0	335.0	324.6	321.6	321.7	317.8
90°	211.4	216.8	227.0	229.0	236.4	237.6	196.7	193.6	188.2	188.6	181.6
92.5°	88.6	94.5	100.9	107.1	113.4	119.7	121.1	125.8	119.8	113.1	107.3
95°	103.4	113.5	123.6	133.7	143.8	153.9	164.0	174.1	164.7	155.2	145.7
97.5°	116.2	128.1	139.9	152.0	163.9	175.8	187.7	199.6	189.5	179.1	169.0
100°	152.5	174.7	196.8	219.0	241.2	263.3	285.6	307.8	288.4	268.6	249.0
102.5°	315.0	362.3	409.5	456.5	503.6	550.9	598.2	645.5	600.7	555.7	510.7
105°	608.8	685.3	761.7	837.9	914.3	990.7	1067.6	1144.0	1072.4	1000.6	929.0
107.5°	964.0	1041.6	1118.9	1196.3	1273.9	1351.3	1429.6	1507.0	1437.0	1366.9	1297.0
110°	1184.9	1241.3	1297.9	1354.3	1410.7	1467.3	1524.7	1581.3	1539.2	1497.2	1455.1



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	1233.9	1274.5	1314.8	1355.0	1395.1	1435.6	1477.3	1517.9	1496.6	1475.4	1454.4
115°	1168.0	1195.5	1222.4	1249.5	1276.7	1303.7	1332.5	1360.1	1353.2	1346.2	1339.4
117.5°	1053.4	1068.3	1083.6	1098.7	1113.6	1128.6	1145.9	1161.4	1162.3	1163.3	1164.4
120°	931.1	937.5	943.7	950.0	956.1	962.2	971.1	977.8	983.4	988.6	994.2
122.5°	827.5	829.7	831.8	834.1	836.4	838.4	843.6	846.6	850.2	853.8	857.5
125°	744.2	745.2	746.2	747.3	747.9	749.0	753.4	754.9	754.9	754.9	754.9
127.5°	688.8	688.8	688.8	688.8	688.5	688.6	692.3	692.9	690.3	687.7	685.0
130°	649.1	649.4	649.7	650.0	650.4	650.7	654.9	656.3	651.8	647.1	642.7
132.5°	623.5	624.1	624.4	625.2	625.7	626.1	630.8	632.3	627.3	621.9	616.8
135°	602.3	603.1	603.8	604.4	605.2	606.1	611.5	613.2	608.4	603.2	598.3
137.5°	584.5	585.3	586.1	587.0	587.7	588.5	594.5	596.4	592.6	588.2	584.4
140°	569.6	570.6	571.6	572.8	573.7	575.1	581.4	583.7	580.7	577.3	574.1
142.5°	554.3	556.2	557.7	559.5	560.9	562.8	570.2	573.0	570.7	568.2	565.8
145°	544.8	546.9	548.6	550.7	552.5	554.8	562.9	566.5	564.9	563.2	561.6
147.5°	536.1	538.0	539.7	541.5	543.2	545.7	554.2	557.6	556.8	555.6	554.5
150°	527.5	529.4	531.0	533.1	535.2	537.4	547.0	550.7	549.9	549.1	548.1
152.5°	517.4	519.0	520.6	522.4	524.2	526.2	537.6	541.6	541.0	539.9	539.3
155°	511.5	512.6	513.8	515.2	516.5	518.2	530.4	534.4	533.9	533.4	532.8
157.5°	510.0	510.8	511.5	512.4	513.4	514.4	527.0	531.0	530.4	530.0	529.5
160°	509.3	510.0	510.5	511.3	511.8	512.6	525.5	529.2	528.9	528.3	527.8
162.5°	509.7	511.0	511.6	512.4	513.2	514.4	527.4	531.6	530.8	530.2	529.4
165°	513.6	513.9	514.3	515.0	515.4	516.0	528.2	531.6	531.3	530.7	530.2
167.5°	517.9	518.5	518.9	519.6	520.2	521.0	532.4	535.8	535.5	534.8	534.5
170°	523.4	524.0	524.3	525.0	525.6	526.3	535.8	538.5	538.2	537.4	536.8
172.5°	528.4	529.1	529.7	530.4	531.0	531.8	539.9	542.5	542.1	541.6	540.8
175°	530.2	530.5	531.1	531.8	532.3	532.9	539.2	541.1	540.9	540.6	540.3
177.5°	535.2	535.5	535.9	536.4	536.8	537.3	541.0	542.3	542.1	542.1	542.0
180°	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6



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CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8
2.5°	41384.4	41399.0	41401.1	41418.1	41416.7	41436.9	41433.8	41450.2	41440.6	41454.3	41442.8
5°	42356.4	42444.6	42490.7	42576.7	42603.9	42680.9	42702.7	42772.9	42775.8	42831.5	42818.8
7.5°	43730.7	43860.6	43937.7	44044.1	44097.9	44186.6	44225.6	44291.2	44312.3	44364.3	44368.3
10°	44551.3	44614.3	44658.4	44688.1	44715.2	44728.0	44742.8	44738.8	44742.8	44736.9	44749.7
12.5°	44228.5	44136.4	44075.4	43960.1	43893.2	43765.7	43703.1	43580.5	43536.0	43430.7	43415.6
15°	42593.8	42272.8	42045.9	41716.0	41508.5	41183.9	40994.1	40701.2	40567.5	40334.7	40273.6
17.5°	39614.3	39018.3	38557.0	37965.3	37554.8	37001.7	36654.0	36196.3	35945.6	35576.4	35448.7
20°	35437.2	34555.3	33863.5	33039.2	32449.4	31714.5	31244.0	30650.6	30306.1	29852.8	29668.9
22.5°	30533.0	29435.2	28571.0	27597.4	26885.7	26066.7	25503.1	24861.1	24486.2	23993.7	23775.6
25°	25478.4	24267.7	23307.0	22281.0	21529.1	20708.2	20144.4	19513.7	19125.9	18658.3	18441.6
27.5°	20644.1	19418.5	18490.1	17536.3	16846.6	16105.8	15597.0	15046.4	14702.1	14303.1	14099.2
30°	16377.9	15296.9	14506.9	13715.3	13141.5	12540.0	12117.2	11660.8	11358.8	11017.1	10822.9
32.5°	12902.2	12067.6	11449.0	10820.9	10351.3	9848.5	9483.3	9080.6	8808.1	8502.8	8327.0
35°	10218.3	9569.9	9076.5	8559.4	8156.0	7727.8	7406.0	7058.4	6813.8	6551.0	6399.2
37.5°	8073.5	7557.9	7151.9	6722.5	6391.1	6036.3	5916.8	5517.9	5264.6	5054.9	4909.6
40°	6336.1	5926.2	5590.2	5261.7	4991.5	4722.4	4506.5	4293.4	4129.8	3979.8	3876.1
42.5°	4948.0	4651.0	4405.6	4165.1	3967.9	3771.8	3615.4	3468.6	3358.5	3260.4	3193.5
45°	3933.5	3729.2	3558.6	3389.2	3250.1	3119.2	3014.0	2920.2	2849.1	2790.2	2748.4
47.5°	3231.4	3091.6	2971.3	2857.0	2762.5	2676.8	2606.2	2583.2	2506.8	2455.2	2435.6
50°	2746.3	2661.8	2570.4	2486.1	2423.0	2360.3	2314.5	2269.6	2241.1	2217.4	2210.1
52.5°	2384.2	2319.6	2268.7	2215.4	2173.7	2129.1	2097.5	2067.6	2051.9	2039.5	2038.0
55°	2115.0	2069.8	2036.2	2000.3	1975.4	1949.2	1932.8	1917.1	1910.1	1903.9	1904.4
57.5°	1911.2	1881.1	1859.2	1836.0	1822.5	1809.9	1805.8	1801.9	1804.0	1804.9	1808.4
60°	1762.8	1743.2	1729.4	1716.1	1710.5	1706.5	1709.5	1713.1	1720.2	1726.1	1731.2
62.5°	1649.1	1637.9	1631.1	1624.0	1623.4	1623.7	1629.8	1635.8	1644.8	1651.5	1656.6
65°	1532.0	1525.6	1523.4	1518.8	1521.2	1522.5	1529.8	1534.5	1543.5	1548.8	1555.3
67.5°	1413.7	1412.2	1413.5	1413.5	1417.6	1421.2	1428.2	1433.5	1441.1	1446.0	1451.2
70°	1326.3	1326.9	1330.2	1330.8	1335.2	1337.6	1343.8	1347.1	1354.0	1358.1	1364.4
72.5°	1241.4	1240.0	1240.8	1238.7	1240.3	1239.7	1243.1	1244.7	1250.6	1253.8	1261.5
75°	1150.9	1147.1	1146.1	1142.1	1142.2	1139.3	1140.7	1140.5	1144.3	1145.8	1151.4
77.5°	1041.6	1035.2	1032.1	1025.2	1025.1	1022.5	1025.2	1027.0	1033.7	1036.8	1043.2
80°	910.9	900.8	896.3	888.3	889.6	889.2	895.9	901.0	909.2	910.8	918.7
82.5°	757.2	746.9	742.0	734.1	736.0	736.2	742.3	743.3	750.5	753.6	762.8
85°	542.1	546.1	535.2	536.0	533.7	538.0	542.1	547.3	553.2	563.2	570.9
87.5°	319.2	317.8	321.7	322.2	327.7	330.5	339.4	344.5	354.5	362.2	376.4
90°	180.2	173.3	174.8	171.2	174.9	171.5	175.1	171.3	175.9	175.1	181.4
92.5°	100.3	94.3	87.5	81.3	74.7	68.8	65.2	62.8	59.2	56.9	53.3
95°	136.3	126.9	117.5	108.1	98.7	89.3	85.9	82.4	79.0	75.6	72.0
97.5°	158.9	148.8	138.7	128.4	118.4	108.3	105.9	103.7	101.4	99.1	96.9
100°	229.3	209.9	190.4	170.7	151.2	131.8	130.0	128.1	126.3	124.5	122.6
102.5°	466.0	421.1	376.4	331.5	286.8	241.9	234.1	226.3	218.4	210.7	202.9
105°	857.1	785.4	713.8	642.0	570.5	498.8	477.6	455.9	434.6	413.2	391.9
107.5°	1226.9	1157.0	1087.2	1017.3	947.5	877.5	843.7	810.0	776.0	742.3	708.5
110°	1412.6	1370.6	1328.8	1286.5	1244.7	1202.7	1170.3	1138.3	1105.8	1073.6	1041.5



TEST NUMBER: P1444410
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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°	1433.2	1412.0	1390.8	1369.8	1348.9	1327.7	1312.0	1296.3	1280.5	1264.8	1248.8
115°	1332.4	1325.6	1318.8	1312.1	1305.4	1298.7	1297.5	1296.4	1295.1	1293.9	1292.9
117.5°	1165.3	1166.4	1167.3	1168.6	1169.7	1170.9	1179.2	1187.4	1195.8	1204.2	1212.9
120°	999.6	1005.1	1010.4	1016.1	1021.5	1027.3	1038.2	1049.5	1060.6	1072.1	1083.4
122.5°	861.2	864.9	868.4	872.4	876.1	880.0	890.7	901.8	912.8	924.0	935.4
125°	754.5	754.5	754.4	754.1	754.1	754.3	763.1	772.0	781.2	790.6	799.6
127.5°	682.2	679.4	676.5	673.9	671.1	668.6	673.5	678.9	683.9	689.3	694.8
130°	638.0	633.3	628.4	624.1	619.1	614.7	616.5	618.4	620.3	622.4	624.5
132.5°	611.4	606.1	600.7	595.2	589.9	584.5	584.0	583.7	583.3	583.3	583.3
135°	593.2	588.2	582.9	577.9	572.5	567.6	566.0	564.4	562.9	561.6	560.4
137.5°	580.4	576.1	572.0	568.1	563.5	559.6	557.3	555.5	553.3	551.8	549.9
140°	570.7	567.6	563.9	560.7	557.2	554.0	552.0	550.6	548.7	547.4	545.8
142.5°	563.1	560.7	558.2	555.7	553.1	550.6	548.8	547.3	545.6	544.3	542.6
145°	559.9	558.3	556.5	554.8	553.0	551.4	549.8	548.6	547.3	546.2	545.2
147.5°	553.4	552.3	551.2	549.9	548.7	547.6	546.5	545.9	544.7	544.1	543.1
150°	547.0	546.0	544.9	544.0	542.6	541.7	541.0	540.4	539.8	539.5	538.8
152.5°	538.1	537.2	536.3	535.5	534.3	533.3	532.7	532.3	531.8	531.4	530.8
155°	532.0	531.4	530.6	530.0	529.1	528.6	527.9	527.1	526.5	525.9	525.2
157.5°	528.9	528.3	527.5	527.1	526.2	525.6	525.0	524.4	523.6	523.1	522.4
160°	527.2	526.8	526.0	525.4	524.8	524.2	523.2	522.6	521.5	520.8	519.8
162.5°	528.6	527.8	527.1	526.2	525.3	524.6	523.9	523.3	522.6	522.0	521.2
165°	529.6	529.0	528.4	527.8	527.3	526.7	525.8	525.1	524.1	523.4	522.5
167.5°	533.9	533.5	532.9	532.3	531.6	531.0	530.3	529.4	528.6	527.8	526.7
170°	536.2	535.4	534.9	534.0	533.4	532.6	531.8	530.9	530.1	529.6	528.5
172.5°	540.3	540.0	539.3	538.7	537.9	537.4	536.9	536.2	535.5	534.9	534.3
175°	540.2	540.0	539.9	539.4	539.3	539.0	538.7	538.5	538.2	538.1	537.6
177.5°	542.0	541.8	541.8	541.5	541.4	541.4	541.0	540.8	540.4	540.0	539.8
180°	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6



TEST NUMBER: P1444410
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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°	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8
2.5°	41454.7	41444.2	41449.2	41429.7	41434.4	41411.0	41408.8	41382.3	41379.7	41354.8	41345.4
5°	42858.3	42835.2	42861.2	42820.6	42828.6	42775.8	42771.4	42703.1	42679.6	42594.1	42557.3
7.5°	44400.8	44392.2	44408.0	44374.1	44373.0	44325.9	44306.4	44245.3	44207.2	44117.6	44060.3
10°	44738.8	44746.7	44733.7	44736.9	44718.6	44713.5	44694.7	44682.8	44652.0	44628.8	44594.5
12.5°	43335.5	43343.9	43290.3	43324.3	43297.5	43360.2	43355.1	43428.9	43440.2	43533.5	43568.9
15°	40092.3	40082.2	39979.5	40044.2	40009.5	40146.9	40177.7	40362.5	40461.4	40698.8	40844.6
17.5°	35192.9	35166.5	35021.8	35100.6	35060.5	35263.1	35331.1	35626.8	35811.2	36193.7	36466.3
20°	29352.6	29302.0	29132.8	29225.0	29183.7	29413.9	29510.9	29868.2	30106.1	30612.7	30973.1
22.5°	23439.8	23359.8	23194.0	23280.2	23241.1	23479.6	23605.9	23964.5	24236.9	24756.9	25177.7
25°	18130.1	18058.8	17898.6	17958.9	17944.4	18146.1	18258.4	18597.6	18865.3	19360.6	19762.3
27.5°	13828.2	13754.1	13609.3	13652.0	13637.2	13809.2	13915.0	14198.3	14428.7	14845.7	15198.4
30°	10583.5	10494.0	10371.2	10394.8	10384.7	10524.0	10622.9	10861.5	11058.9	11411.4	11715.2
32.5°	8112.3	8022.3	7909.5	7920.5	7905.6	8014.9	8096.3	8303.9	8475.9	8775.6	9040.0
35°	6207.0	6312.1	6071.3	6223.8	6065.0	6298.2	6214.3	6344.0	6492.0	6744.5	6965.0
37.5°	4771.7	4698.4	4636.5	4629.8	4629.5	4683.6	4747.3	4872.3	5002.6	5190.8	5385.1
40°	3781.3	3729.9	3689.8	3686.9	3689.8	3728.3	3775.4	3861.6	3957.2	4092.3	4235.1
42.5°	3136.3	3102.1	3078.0	3076.2	3083.9	3111.2	3143.9	3195.2	3257.4	3344.8	3442.8
45°	2714.4	2695.4	2682.0	2681.2	2684.7	2699.0	2717.8	2749.8	2789.2	2843.8	2905.7
47.5°	2418.5	2413.8	2405.5	2405.8	2401.9	2407.8	2409.9	2427.8	2448.7	2489.9	2570.9
50°	2202.9	2202.9	2197.1	2196.8	2191.3	2191.0	2186.4	2193.5	2203.3	2228.8	2254.7
52.5°	2032.6	2032.0	2025.8	2024.6	2018.7	2018.4	2014.4	2017.2	2018.5	2031.4	2046.9
55°	1899.4	1895.5	1887.2	1884.6	1882.3	1885.7	1884.2	1884.3	1882.6	1888.0	1892.6
57.5°	1804.0	1798.7	1791.0	1788.7	1788.0	1792.0	1792.2	1790.8	1783.6	1778.8	1771.8
60°	1728.3	1723.2	1714.7	1712.6	1713.8	1719.3	1719.0	1714.4	1703.7	1694.4	1683.5
62.5°	1654.2	1652.0	1647.7	1647.1	1646.0	1647.0	1643.2	1638.2	1627.6	1617.7	1605.9
65°	1554.5	1555.6	1552.3	1552.9	1549.0	1548.4	1542.6	1537.8	1527.1	1518.0	1506.0
67.5°	1451.0	1451.9	1449.2	1449.2	1447.2	1447.5	1444.0	1439.5	1430.6	1423.2	1413.8
70°	1365.8	1367.9	1366.4	1366.9	1364.4	1363.5	1358.0	1353.7	1344.4	1338.2	1329.9
72.5°	1263.7	1268.3	1268.1	1269.2	1265.6	1263.7	1257.1	1251.8	1243.4	1238.4	1231.7
75°	1153.5	1159.4	1161.2	1163.8	1158.5	1155.8	1148.6	1144.3	1137.4	1134.5	1130.1
77.5°	1045.9	1052.5	1058.7	1064.6	1056.2	1048.7	1039.7	1032.8	1022.9	1019.2	1012.2
80°	925.2	936.8	950.7	962.4	947.2	931.9	917.1	906.1	893.1	887.7	879.1
82.5°	767.5	779.5	787.4	794.9	784.4	773.2	758.8	749.2	735.1	729.9	719.9
85°	583.1	597.9	602.7	606.7	600.0	594.0	580.5	562.3	553.4	539.5	532.3
87.5°	383.5	392.4	394.1	395.4	391.4	388.5	379.7	371.1	356.0	345.0	331.5
90°	179.1	183.0	177.8	178.1	174.6	177.0	170.0	169.0	158.3	155.6	146.3
92.5°	50.7	47.2	44.4	41.3	45.0	47.3	51.0	53.3	56.8	59.2	62.8
95°	68.6	65.2	61.8	58.3	61.0	63.9	66.6	69.3	72.1	74.9	77.6
97.5°	94.5	92.2	90.0	87.7	89.3	90.9	92.5	94.1	95.7	97.3	99.1
100°	120.8	119.0	117.1	115.3	115.3	115.3	115.3	115.3	115.3	115.3	115.3
102.5°	195.1	187.3	179.5	171.7	177.0	182.2	187.6	192.8	198.1	203.3	208.9
105°	370.5	349.2	327.8	306.5	327.2	347.8	368.5	389.1	409.8	430.6	451.3
107.5°	674.6	640.9	607.2	573.5	611.4	648.9	686.5	724.2	761.7	799.3	837.3
110°	1009.4	977.2	945.1	913.0	952.9	992.9	1032.7	1072.7	1112.6	1152.6	1192.7



TEST NUMBER: P1444410
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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°	1233.3	1217.7	1202.1	1186.5	1212.2	1237.8	1263.6	1289.5	1315.2	1341.1	1366.8
115°	1291.8	1290.9	1290.0	1289.1	1301.2	1313.4	1325.5	1337.9	1350.1	1362.4	1374.8
117.5°	1221.3	1229.8	1238.5	1247.2	1251.2	1255.0	1259.1	1263.1	1267.2	1271.2	1275.5
120°	1094.9	1106.2	1117.9	1129.6	1128.0	1126.3	1124.8	1123.2	1122.2	1120.7	1119.8
122.5°	946.8	958.2	970.0	981.6	978.1	974.7	971.4	968.1	965.0	961.9	959.0
125°	809.3	818.8	828.4	838.2	834.7	831.3	828.0	825.1	821.9	818.8	816.1
127.5°	700.6	706.5	712.3	718.3	716.7	715.1	714.0	712.5	711.4	710.4	709.5
130°	626.8	629.3	632.1	634.7	635.1	635.6	636.5	637.3	638.3	639.2	640.5
132.5°	583.8	583.9	584.5	585.0	586.8	588.7	591.0	593.1	595.7	597.9	601.2
135°	559.6	558.7	558.0	557.5	560.2	562.7	565.9	569.0	572.4	575.9	579.7
137.5°	548.6	547.3	546.2	544.9	547.6	550.3	553.4	556.5	559.9	563.3	567.3
140°	544.7	543.3	542.6	541.5	544.3	546.9	549.9	552.9	556.5	559.9	563.5
142.5°	541.6	540.2	539.5	538.7	540.9	543.4	546.4	549.1	552.2	555.3	558.7
145°	544.2	543.2	542.6	541.9	543.5	545.4	547.5	549.6	551.9	554.0	556.9
147.5°	542.5	541.9	541.6	541.1	542.5	543.8	545.3	546.7	548.5	550.2	552.2
150°	538.7	538.3	538.0	537.9	538.7	539.4	540.5	541.2	542.5	543.6	545.2
152.5°	530.7	530.1	530.3	530.0	530.6	531.3	532.2	533.1	534.1	535.0	536.4
155°	524.9	524.4	523.9	523.5	523.7	523.8	524.3	524.4	525.0	525.3	525.9
157.5°	522.1	521.5	521.1	520.5	520.4	520.2	520.3	520.2	520.5	520.2	520.4
160°	519.3	518.3	517.6	516.9	517.1	516.9	517.3	517.1	517.4	517.5	517.9
162.5°	520.7	520.1	519.7	519.1	518.8	518.1	517.8	517.2	516.9	516.6	516.5
165°	521.6	520.6	520.0	519.0	518.9	518.7	518.5	518.3	518.2	517.9	518.0
167.5°	526.2	525.3	524.5	523.7	523.2	522.4	521.9	521.2	520.7	520.2	519.9
170°	528.0	527.2	526.6	526.0	525.7	525.2	525.1	524.6	524.5	524.3	524.3
172.5°	533.7	533.1	532.4	531.9	531.6	531.3	531.1	531.0	530.7	530.7	530.5
175°	537.4	537.1	537.0	536.7	536.3	536.1	535.7	535.5	535.3	534.9	534.6
177.5°	539.3	538.9	538.7	538.5	538.3	538.3	538.3	538.3	538.3	538.2	538.0
180°	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6



TEST NUMBER: P1444410
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CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8
2.5°	41318.7	41307.8	41279.2	41265.1	41238.6	41225.3	41204.6	41191.3	41174.7	41162.3	41155.8
5°	42463.5	42410.6	42304.7	42239.6	42125.2	42049.9	41936.4	41853.1	41735.9	41649.4	41538.6
7.5°	43952.8	43871.8	43736.2	43633.3	43473.4	43351.1	43171.6	43028.0	42829.7	42665.0	42462.4
10°	44559.3	44511.9	44451.1	44384.9	44296.3	44209.4	44086.8	43961.9	43795.4	43629.8	43413.4
12.5°	43663.1	43707.6	43795.4	43836.4	43903.6	43926.4	43957.2	43942.8	43915.5	43847.9	43749.8
15°	41124.7	41310.7	41604.5	41807.8	42092.6	42292.6	42557.3	42727.6	42923.8	43041.0	43152.4
17.5°	36949.3	37309.0	37827.5	38241.2	38796.6	39248.1	39801.3	40236.0	40737.9	41122.9	41532.8
20°	31601.2	32104.9	32820.7	33428.6	34233.4	34915.7	35789.9	36522.3	37376.6	38088.7	38857.3
22.5°	25845.2	26437.7	27257.8	27991.2	28952.1	29810.4	30905.8	31874.1	33029.0	34063.6	35208.0
25°	20415.1	20995.8	21831.3	22590.5	23627.9	24573.4	25770.1	26881.0	28221.1	29471.0	30905.8
27.5°	15758.6	16274.3	17008.7	17692.1	18642.3	19570.5	20784.9	21969.5	23399.5	24742.7	26288.9
30°	12170.1	12588.5	13176.9	13726.6	14489.4	15248.6	16330.3	17425.8	18848.8	20240.6	21825.9
32.5°	9431.4	9788.1	10279.4	10725.7	11313.4	11885.8	12682.4	13557.8	14806.1	16139.3	17672.0
35°	7300.9	7606.1	8024.3	8408.7	8892.0	9346.5	9940.9	10565.7	11518.3	12639.7	14011.5
37.5°	5820.7	5945.1	6243.6	6558.5	6960.0	7333.4	7798.4	8260.4	8942.0	9826.8	10947.3
40°	4426.6	4624.1	4867.0	5115.1	5419.1	5718.6	6228.8	6474.3	6923.1	7558.2	8428.0
42.5°	3571.7	3710.6	3881.6	4054.1	4265.9	4474.5	4732.5	4995.4	5330.7	5761.0	6379.6
45°	2988.9	3079.5	3189.7	3304.6	3443.7	3586.1	3758.8	3939.2	4166.6	4431.0	4806.8
47.5°	2599.5	2649.5	2721.5	2800.0	2895.3	2993.9	3106.2	3221.2	3362.5	3519.3	3733.3
50°	2295.6	2337.3	2393.2	2445.7	2511.5	2612.5	2657.1	2720.6	2805.5	2897.8	3017.5
52.5°	2075.6	2103.5	2138.6	2168.6	2210.3	2248.2	2297.7	2341.5	2400.2	2455.6	2532.9
55°	1904.4	1914.5	1934.4	1953.8	1982.6	2008.4	2042.4	2071.1	2108.5	2141.7	2190.4
57.5°	1772.1	1773.0	1782.2	1792.3	1810.9	1827.1	1850.5	1869.3	1895.3	1916.5	1945.7
60°	1677.1	1672.0	1673.8	1677.4	1687.9	1698.3	1713.4	1725.6	1741.9	1753.9	1770.3
62.5°	1598.0	1590.0	1588.2	1587.3	1592.5	1596.2	1604.4	1610.4	1619.7	1624.9	1633.7
65°	1498.1	1488.7	1485.0	1480.7	1482.2	1481.0	1484.1	1484.2	1489.0	1490.1	1495.1
67.5°	1407.5	1399.6	1394.8	1389.1	1386.5	1382.3	1380.5	1376.5	1375.9	1372.5	1371.7
70°	1324.8	1317.1	1313.1	1307.8	1305.0	1299.5	1296.2	1289.4	1285.5	1279.2	1275.7
72.5°	1229.2	1224.8	1223.6	1220.0	1219.0	1215.9	1214.5	1209.8	1207.1	1201.7	1198.7
75°	1129.2	1125.6	1125.3	1121.7	1121.4	1117.7	1116.8	1111.7	1109.1	1103.7	1101.5
77.5°	1010.1	1004.9	1003.3	999.1	1000.1	998.3	999.8	996.0	994.4	989.0	987.3
80°	876.0	869.4	866.5	860.9	862.4	859.9	862.4	862.1	864.1	859.9	859.1
82.5°	717.2	709.8	708.4	704.5	707.1	707.4	713.1	710.0	711.2	707.2	708.9
85°	521.9	516.4	508.7	507.6	502.8	507.8	501.3	505.7	498.4	503.5	496.8
87.5°	323.6	312.2	306.2	298.2	295.0	287.3	284.0	278.4	280.1	277.5	279.0
90°	145.6	137.5	138.1	133.0	134.9	130.8	134.3	132.2	136.4	134.2	138.8
92.5°	65.2	68.2	73.7	79.5	84.8	90.2	95.7	101.5	106.8	112.5	117.8
95°	80.4	83.1	90.5	97.8	105.1	112.5	119.9	127.2	134.6	141.9	149.2
97.5°	100.7	102.3	109.7	116.9	124.3	131.7	138.9	146.6	154.0	161.2	168.6
100°	115.3	115.4	136.3	157.2	178.0	199.1	220.0	240.8	261.9	282.8	303.7
102.5°	214.1	219.4	272.1	325.0	377.7	430.4	483.4	536.4	589.1	642.1	695.0
105°	471.9	492.7	573.2	653.9	734.4	815.0	895.7	976.5	1057.0	1137.7	1218.4
107.5°	874.8	912.5	985.4	1058.2	1130.9	1203.9	1276.9	1349.8	1422.6	1495.6	1568.8
110°	1232.7	1272.8	1321.5	1370.4	1419.4	1468.2	1517.0	1566.0	1615.1	1664.0	1713.3



TEST NUMBER: P1444410
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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°	1392.5	1418.6	1447.0	1475.7	1504.2	1532.8	1561.3	1590.0	1618.8	1647.6	1676.3
115°	1387.3	1399.7	1410.7	1422.1	1433.1	1444.5	1455.7	1467.3	1478.8	1490.2	1501.7
117.5°	1279.5	1284.1	1285.8	1287.7	1289.6	1291.8	1293.8	1296.1	1298.4	1300.6	1302.6
120°	1118.5	1117.3	1115.6	1114.0	1112.4	1111.0	1109.6	1108.2	1107.1	1105.8	1104.4
122.5°	955.9	953.3	951.6	950.2	948.9	947.7	946.3	945.4	944.3	943.2	941.9
125°	813.3	810.7	812.6	814.6	816.6	818.7	820.6	823.1	825.3	827.5	829.8
127.5°	708.5	708.0	712.6	717.2	721.8	726.6	731.5	736.5	741.1	746.3	750.9
130°	641.9	643.4	649.2	655.2	661.1	667.2	673.3	679.6	685.4	691.5	697.5
132.5°	603.7	606.9	612.3	618.2	624.0	629.8	635.8	641.6	647.6	653.6	659.2
135°	583.4	587.4	592.6	597.9	603.3	608.8	614.1	619.7	624.9	630.3	635.6
137.5°	570.9	574.8	579.3	583.5	587.7	592.4	596.8	601.3	605.5	609.9	614.2
140°	567.3	571.2	573.7	576.5	579.2	581.9	584.4	587.2	589.7	592.6	595.0
142.5°	561.9	565.6	567.2	569.1	570.8	573.0	574.8	576.7	578.3	580.0	581.6
145°	559.3	562.1	562.4	563.1	563.5	564.1	564.4	565.1	565.2	565.7	565.9
147.5°	554.1	556.3	556.1	556.3	556.4	556.3	556.4	556.5	556.2	556.3	556.2
150°	546.4	547.9	547.3	547.1	546.5	546.2	545.5	545.3	544.7	544.4	543.8
152.5°	537.4	538.7	537.8	537.5	536.7	536.1	535.4	534.9	534.2	533.6	533.1
155°	526.2	526.8	526.3	526.1	525.6	525.3	524.8	524.9	524.5	524.3	524.1
157.5°	520.5	520.6	520.4	520.1	519.7	519.7	519.4	519.3	519.3	519.5	519.6
160°	517.8	518.2	517.8	517.5	517.3	517.1	516.8	516.9	516.9	517.2	517.3
162.5°	516.0	515.9	515.5	515.3	515.0	515.0	514.9	515.2	515.0	515.3	515.5
165°	518.1	518.3	517.5	517.4	516.9	516.6	516.3	516.2	516.2	516.2	516.2
167.5°	519.5	519.3	519.3	519.5	519.5	519.6	519.8	520.4	520.5	521.1	521.4
170°	524.2	524.3	524.0	523.9	523.6	523.6	523.5	523.5	523.5	523.6	523.5
172.5°	530.5	530.5	530.0	529.6	529.1	528.9	528.4	528.3	527.8	527.5	527.0
175°	534.3	534.1	533.9	533.6	533.4	533.0	532.7	532.1	531.9	531.6	531.4
177.5°	537.9	537.6	537.4	537.4	537.3	537.1	537.1	537.0	537.0	537.0	536.7
180°	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6



TEST NUMBER: P1444410
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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°	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8
2.5°	41147.5	41147.1	41143.1	41144.9	41145.7	41148.6	41152.2	41155.8	41156.6	41159.4	41160.0
5°	41455.5	41353.7	41278.4	41195.6	41133.3	41077.3	41040.0	41010.3	40998.8	41001.7	41008.6
7.5°	42290.5	42080.3	41907.0	41709.8	41545.5	41371.4	41227.1	41090.0	40990.0	40915.6	40873.9
10°	43206.8	42950.9	42706.0	42420.8	42150.2	41861.4	41599.8	41336.4	41116.7	40926.0	40786.0
12.5°	43613.4	43432.5	43220.9	42951.6	42662.1	42328.9	41992.4	41631.6	41296.2	40984.7	40733.5
15°	43182.9	43183.2	43106.1	42976.9	42775.8	42509.5	42188.9	41812.9	41417.0	41013.1	40644.1
17.5°	41816.2	42074.1	42217.5	42308.3	42280.4	42182.3	41978.2	41689.5	41320.5	40890.2	40440.0
20°	39469.3	40077.4	40511.0	40901.0	41119.6	41264.8	41250.2	41132.7	40869.9	40504.1	40035.2
22.5°	36181.4	37202.2	38007.8	38758.9	39285.7	39714.2	39918.0	40004.4	39885.4	39630.5	39190.2
25°	32188.1	33576.1	34760.6	35910.1	36772.4	37513.4	37958.8	38272.6	38297.5	38164.3	37771.5
27.5°	27750.8	29389.2	30888.3	32416.0	33628.7	34694.0	35393.0	35904.6	36067.1	36045.7	35688.9
30°	23319.2	25039.1	26691.6	28473.1	29973.6	31334.6	32257.9	32949.9	33216.5	33267.6	32924.5
32.5°	19134.0	20830.0	22477.9	24340.3	25991.5	27551.5	28642.4	29464.2	29774.3	29847.3	29471.0
35°	15335.7	16900.4	18466.4	20271.4	21913.2	23528.5	24677.9	25538.4	25828.0	25876.8	25441.0
37.5°	12041.8	13375.0	14739.6	16359.1	17866.8	19383.8	20475.9	21284.6	21495.5	21482.5	20989.3
40°	9268.4	10304.8	11401.3	12734.6	13988.1	15270.4	16192.7	16861.2	16972.0	16890.0	16371.9
42.5°	6969.4	7717.8	8512.8	9508.1	10438.1	11397.9	12068.9	12565.2	12580.9	12451.2	11986.2
45°	5192.1	5922.4	6255.8	6857.6	7456.6	8094.8	8504.6	8811.1	8763.7	8649.5	8296.1
47.5°	3958.1	4238.8	4536.5	4909.6	5258.5	5982.8	5929.1	6421.4	6066.8	6308.6	5776.3
50°	3143.1	3300.0	3460.4	3658.4	3840.8	4030.0	4148.3	4236.7	4225.2	4187.2	4085.3
52.5°	2674.1	2722.6	2801.5	2914.2	3015.9	3118.3	3185.7	3240.5	3241.5	3226.3	3174.6
55°	2234.9	2296.5	2353.3	2426.8	2552.3	2571.5	2668.1	2648.5	2656.1	2629.4	2656.8
57.5°	1970.5	2006.3	2038.3	2082.1	2118.3	2160.6	2185.5	2209.5	2207.3	2202.0	2175.7
60°	1783.1	1802.9	1820.6	1846.2	1866.1	1890.0	1901.5	1913.7	1909.7	1900.9	1877.4
62.5°	1638.7	1651.0	1661.2	1677.7	1689.8	1704.6	1710.7	1715.8	1710.7	1702.2	1681.5
65°	1496.1	1504.1	1510.6	1523.0	1531.6	1544.3	1549.3	1554.2	1549.4	1542.9	1527.1
67.5°	1367.6	1368.4	1367.8	1372.8	1375.5	1383.1	1385.4	1388.9	1383.4	1377.7	1364.4
70°	1270.1	1268.1	1265.7	1267.7	1268.1	1271.8	1272.4	1271.8	1265.3	1255.4	1240.9
72.5°	1193.9	1192.8	1191.0	1192.7	1192.7	1196.1	1195.0	1193.3	1185.2	1175.7	1161.4
75°	1096.0	1095.2	1091.5	1091.6	1088.6	1089.7	1085.7	1083.5	1074.4	1066.4	1053.6
77.5°	981.4	979.5	974.2	972.2	966.3	963.9	956.4	952.7	943.5	937.1	926.1
80°	853.4	851.4	844.5	840.7	831.5	825.7	814.7	808.4	797.8	791.6	780.9
82.5°	705.4	706.2	699.2	694.5	681.4	671.3	656.6	648.6	637.0	630.8	619.8
85°	501.7	494.5	498.3	498.0	489.8	481.0	469.1	460.7	450.9	445.1	437.3
87.5°	275.2	276.9	274.9	273.2	267.4	262.9	253.6	248.7	241.6	238.0	232.2
90°	128.7	125.7	116.0	113.1	103.7	98.4	87.7	83.3	73.5	71.1	65.0
92.5°	111.6	105.3	99.5	92.9	87.1	80.8	74.7	68.4	62.3	59.9	58.1
95°	140.3	131.6	122.6	113.7	104.7	95.9	87.0	78.1	69.1	67.3	65.5
97.5°	158.2	147.6	137.1	126.7	116.2	105.6	95.2	84.7	74.2	73.1	71.8
100°	279.5	255.4	231.1	206.7	182.6	158.3	134.2	109.9	85.8	84.4	83.0
102.5°	636.1	577.3	518.5	459.8	401.1	342.2	283.3	224.4	165.7	157.2	148.7
105°	1129.4	1040.3	951.6	862.5	773.4	684.3	595.4	506.2	417.2	388.7	360.0
107.5°	1485.1	1401.3	1318.0	1234.3	1150.6	1067.0	983.4	899.5	815.8	765.4	715.2
110°	1646.9	1580.4	1514.3	1447.9	1381.5	1315.1	1248.7	1182.2	1115.9	1072.5	1029.4



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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°	1627.8	1579.2	1531.0	1482.2	1433.7	1385.0	1336.5	1287.7	1239.0	1212.7	1186.5
115°	1472.7	1443.5	1414.4	1385.2	1356.1	1326.8	1297.7	1268.1	1238.7	1225.0	1211.2
117.5°	1288.2	1273.3	1258.6	1243.8	1229.1	1214.0	1199.2	1184.2	1169.2	1164.6	1159.7
120°	1100.5	1096.2	1091.6	1087.3	1083.0	1078.6	1074.1	1069.5	1064.9	1065.7	1066.5
122.5°	944.1	946.0	948.2	949.9	952.1	953.8	955.9	957.4	959.3	963.2	967.0
125°	834.4	839.0	843.6	848.2	852.7	857.2	861.9	866.1	870.8	874.5	878.6
127.5°	756.3	761.3	766.6	771.5	776.8	781.8	786.9	791.7	796.8	800.4	804.3
130°	702.3	706.6	711.2	715.6	720.1	724.6	728.9	733.4	737.9	740.8	743.8
132.5°	663.2	667.4	671.6	675.3	679.6	683.4	687.6	691.6	695.8	697.9	700.3
135°	638.9	641.7	645.0	647.9	651.3	654.1	657.4	660.6	663.9	665.4	667.4
137.5°	616.8	619.2	622.0	624.5	627.2	629.7	632.6	635.2	638.3	639.0	640.4
140°	597.7	600.4	603.1	605.8	608.6	611.3	614.5	617.3	620.4	621.3	622.6
142.5°	583.8	585.8	587.9	590.0	592.5	594.5	596.9	599.5	602.1	603.1	604.2
145°	568.5	570.9	573.4	575.8	578.3	580.9	583.9	586.7	589.8	590.4	591.3
147.5°	558.2	560.1	562.4	564.6	566.9	569.1	571.8	574.2	576.9	577.7	578.4
150°	546.1	548.2	550.4	552.6	555.1	557.6	560.3	562.9	566.1	567.2	568.2
152.5°	535.4	537.6	540.0	542.6	545.4	548.1	550.9	553.8	556.9	557.8	558.9
155°	526.5	528.6	531.3	533.9	536.6	539.0	542.0	544.8	547.7	548.9	549.9
157.5°	521.9	523.8	526.1	528.5	530.7	533.2	535.9	538.2	540.9	541.8	542.7
160°	519.3	521.0	523.3	525.5	527.5	529.7	532.0	534.1	536.4	537.4	538.3
162.5°	517.5	519.5	521.7	523.5	525.8	527.8	530.1	532.1	534.5	535.2	536.1
165°	517.7	519.2	520.8	522.3	524.1	525.4	527.2	528.7	530.5	531.2	532.3
167.5°	522.9	523.9	524.9	526.1	527.5	528.7	530.0	531.2	532.8	533.6	534.5
170°	524.7	525.7	526.6	527.7	528.9	530.0	531.1	532.1	533.7	534.3	535.2
172.5°	527.8	528.2	529.2	529.7	530.5	531.1	532.0	532.9	533.7	534.6	535.3
175°	531.9	532.2	532.7	532.9	533.3	533.7	534.2	534.8	535.1	535.8	536.3
177.5°	536.9	537.1	537.4	537.6	538.1	538.3	538.7	538.9	539.3	540.0	540.8
180°	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6



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CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8
2.5°	41158.7	41158.2	41156.9	41155.0	41153.2	41154.3	41156.1	41160.8	41169.1	41181.0	41196.7
5°	41014.2	41022.6	41027.4	41028.0	41023.7	41021.1	41025.1	41036.4	41059.2	41097.5	41149.2
7.5°	40862.7	40873.1	40889.0	40901.0	40903.2	40900.3	40901.0	40918.7	40960.9	41035.3	41139.9
10°	40700.9	40670.2	40686.4	40716.1	40739.7	40743.9	40746.9	40767.8	40829.4	40942.0	41109.9
12.5°	40551.6	40454.2	40435.4	40462.2	40498.0	40509.4	40506.3	40515.3	40587.4	40736.5	40970.4
15°	40355.1	40171.8	40109.3	40116.1	40160.4	40176.3	40164.7	40146.9	40217.1	40399.1	40702.1
17.5°	40037.0	39741.7	39626.6	39621.5	39673.3	39687.0	39658.5	39603.5	39672.7	39899.7	40275.7
20°	39553.5	39117.5	38900.8	38866.4	38922.6	38906.1	38849.4	38766.1	38857.0	39133.2	39580.3
22.5°	38684.4	38131.9	37761.6	37642.3	37709.5	37664.7	37581.8	37475.5	37596.2	37909.9	38408.0
25°	37264.1	36625.8	36118.9	35834.5	35888.1	35807.7	35717.6	35588.7	35732.7	36092.8	36641.0
27.5°	35176.6	34439.2	33811.1	33340.3	33357.5	33252.3	33148.5	32981.7	33161.5	33587.8	34206.1
30°	32400.6	31547.3	30782.4	30142.7	30085.5	29983.3	29877.0	29658.1	29883.1	30393.4	31115.9
32.5°	28914.5	27967.1	27083.3	26274.4	26121.8	26022.2	25927.5	25675.5	25970.1	26565.1	27395.2
35°	24837.5	23828.4	22870.2	21946.4	21693.5	21593.9	21511.1	21269.7	21637.4	22284.8	23181.3
37.5°	20362.6	19331.7	18380.3	17433.0	17075.8	16940.6	16880.5	16722.4	17146.5	17786.9	18687.1
40°	15768.7	14810.1	13957.2	13120.4	12713.2	12506.5	12474.9	12446.1	12856.2	13411.7	14228.8
42.5°	11471.0	10697.7	10040.1	9400.4	9031.5	8749.1	8748.9	8834.7	9203.8	9619.9	10250.0
45°	7934.9	7415.9	6996.9	6569.6	6683.7	6120.8	6451.5	6281.8	6464.3	6732.6	7142.3
47.5°	5454.5	5171.1	4941.0	4702.2	4528.2	4362.0	4376.5	4483.7	4655.5	4814.7	5027.9
50°	3975.4	3831.1	3713.8	3589.9	3503.2	3429.9	3434.2	3480.6	3570.9	3654.8	3766.3
52.5°	3115.0	3035.4	2971.7	2903.2	2857.7	2821.3	2823.3	2845.8	2894.6	2942.4	3006.4
55°	2567.5	2557.9	2475.1	2413.5	2390.1	2365.7	2370.1	2378.9	2412.2	2440.2	2482.5
57.5°	2151.5	2114.4	2089.5	2057.1	2042.2	2025.2	2029.0	2032.3	2054.5	2073.3	2103.8
60°	1857.9	1831.5	1813.9	1791.9	1782.1	1771.2	1773.6	1775.6	1789.9	1802.2	1824.0
62.5°	1662.7	1639.1	1623.8	1606.8	1600.0	1592.6	1594.3	1594.9	1603.8	1612.8	1629.3
65°	1513.0	1494.3	1481.6	1467.0	1459.7	1452.2	1452.9	1452.9	1460.4	1467.0	1479.4
67.5°	1354.8	1340.7	1332.4	1320.8	1315.9	1308.1	1308.0	1305.4	1310.4	1313.0	1321.4
70°	1227.8	1213.5	1202.9	1191.7	1185.7	1178.8	1178.9	1179.1	1184.8	1190.7	1201.6
72.5°	1149.3	1135.6	1126.2	1116.5	1110.7	1104.9	1103.7	1103.1	1107.3	1110.5	1117.7
75°	1045.3	1034.4	1029.0	1019.8	1015.2	1008.6	1007.5	1004.5	1006.5	1007.1	1012.4
77.5°	919.2	908.9	904.5	895.2	891.4	883.9	883.3	879.8	881.4	880.4	884.5
80°	775.5	766.1	763.7	756.0	754.2	747.4	746.3	742.1	743.3	740.1	741.7
82.5°	615.1	606.5	604.7	597.6	597.6	591.4	591.1	584.8	584.8	579.5	570.9
85°	433.3	427.0	424.4	418.6	416.9	411.9	409.3	403.3	401.2	397.3	396.1
87.5°	228.6	224.7	221.2	218.4	213.3	204.3	203.5	197.3	197.8	193.3	193.6
90°	63.4	57.6	56.3	51.0	49.2	45.3	43.8	44.4	45.7	46.4	47.8
92.5°	56.1	54.0	52.0	49.8	47.8	45.7	43.7	45.7	47.8	49.8	52.0
95°	63.6	61.8	59.9	58.1	56.2	54.4	52.6	54.4	56.2	58.3	60.1
97.5°	70.7	69.5	68.4	67.2	66.1	64.9	63.8	65.1	66.3	67.4	68.6
100°	81.6	80.2	78.9	77.5	76.1	74.8	73.4	75.1	76.4	77.8	79.2
102.5°	140.4	131.9	123.3	114.8	106.3	97.9	89.4	97.9	106.3	115.0	123.5
105°	331.4	302.9	274.1	245.5	216.8	188.2	159.5	188.3	216.9	245.6	274.4
107.5°	664.7	614.6	564.1	513.8	463.2	412.9	362.4	413.1	463.5	514.0	564.4
110°	985.8	942.3	899.0	855.5	811.9	768.6	725.0	768.7	812.2	855.8	899.4



TEST NUMBER: P1444410
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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°	1160.0	1133.7	1107.3	1081.0	1054.4	1028.2	1001.5	1028.5	1055.0	1081.7	1108.3
115°	1197.5	1183.6	1169.9	1156.0	1141.9	1128.0	1113.7	1128.5	1142.7	1156.9	1171.1
117.5°	1154.9	1150.4	1145.4	1140.7	1135.7	1130.8	1125.7	1131.1	1136.4	1142.0	1146.9
120°	1066.9	1067.8	1068.4	1068.9	1069.5	1069.9	1070.2	1070.5	1070.5	1070.5	1070.4
122.5°	970.9	974.7	978.3	982.1	985.7	989.2	992.6	989.8	986.9	984.0	980.7
125°	882.5	886.6	890.4	894.3	897.9	901.7	905.0	902.6	899.6	896.6	893.4
127.5°	807.9	811.4	815.0	818.7	821.8	825.1	828.1	826.0	823.4	820.9	818.1
130°	746.6	749.7	752.1	754.9	757.4	759.7	761.8	760.6	759.0	757.7	755.6
132.5°	702.5	705.0	707.2	709.3	710.9	713.0	714.2	713.9	713.0	712.3	710.8
135°	669.1	670.6	672.2	673.9	675.0	676.2	676.9	677.3	677.0	676.8	676.1
137.5°	641.3	642.5	643.2	644.1	644.7	645.2	645.3	646.3	646.7	647.5	647.4
140°	623.5	624.8	625.6	626.4	627.1	627.8	627.8	628.9	629.3	629.8	629.7
142.5°	605.2	606.3	607.2	608.2	608.6	609.2	609.3	610.3	610.7	611.3	611.4
145°	592.2	592.8	593.5	594.2	594.5	594.7	594.4	595.8	596.5	597.1	597.6
147.5°	579.1	580.0	580.3	580.8	581.1	581.4	581.3	582.3	583.1	583.7	584.3
150°	569.2	570.3	571.1	572.0	572.6	573.2	573.3	574.1	574.4	574.9	574.9
152.5°	559.7	560.6	561.4	562.1	562.7	563.2	563.4	564.1	564.7	565.3	565.5
155°	550.9	551.9	552.8	553.7	554.3	555.2	555.8	556.4	556.9	557.2	557.5
157.5°	543.6	544.8	545.5	546.4	547.0	548.0	548.6	549.3	549.8	550.4	550.7
160°	539.0	540.1	540.7	541.6	542.4	543.1	543.8	544.6	545.2	545.6	546.3
162.5°	536.9	537.8	538.3	539.2	539.9	540.7	541.3	542.0	542.7	543.3	543.8
165°	533.5	534.4	535.2	536.2	537.2	538.2	538.9	539.4	539.7	540.0	540.2
167.5°	535.3	536.2	537.0	537.9	538.6	539.7	540.5	540.9	541.0	541.3	541.5
170°	535.9	536.7	537.6	538.2	539.1	540.0	540.5	540.7	540.9	541.1	541.4
172.5°	536.1	537.1	537.9	538.9	539.7	540.6	541.4	541.5	541.4	541.2	541.0
175°	537.0	537.9	538.5	539.2	539.9	540.6	541.4	541.0	541.1	540.7	540.6
177.5°	541.7	542.7	543.4	544.2	545.1	545.8	546.6	545.9	545.4	544.8	544.1
180°	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6



TEST NUMBER: P1444410
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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°	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8
2.5°	41218.7	41239.3	41270.9	41299.5	41342.6	41376.5	41427.4	41466.2	41523.7	41561.1	41623.7
5°	41222.4	41303.0	41409.1	41512.6	41637.0	41749.9	41890.2	42009.8	42150.9	42266.0	42410.3
7.5°	41280.7	41436.2	41622.6	41810.3	42022.8	42221.5	42445.4	42648.0	42869.5	43057.0	43261.7
10°	41323.7	41563.5	41838.3	42114.7	42405.5	42675.9	42948.8	43184.6	43405.0	43586.4	43746.6
12.5°	41265.4	41595.8	41948.3	42288.7	42612.2	42892.0	43126.8	43308.1	43433.3	43518.3	43538.1
15°	41067.2	41464.8	41848.1	42187.0	42455.5	42662.5	42769.7	42819.8	42766.1	42676.7	42480.1
17.5°	40697.0	41116.3	41459.0	41726.4	41868.3	41924.5	41835.7	41681.2	41379.4	41044.4	40560.6
20°	40018.2	40408.9	40657.5	40803.4	40765.4	40625.1	40289.9	39882.4	39279.9	38637.7	37790.3
22.5°	38827.6	39169.3	39301.7	39312.5	39080.9	38729.6	38125.0	37426.2	36475.7	35487.3	34272.0
25°	37040.5	37339.8	37360.6	37243.1	36819.3	36249.8	35362.2	34373.7	33082.0	31765.1	30242.2
27.5°	34616.9	34903.8	34833.6	34614.2	34025.9	33263.9	32127.4	30850.4	29257.9	27702.6	26017.9
30°	31570.1	31877.0	31794.5	31513.2	30813.4	29912.8	28575.5	27091.9	25323.8	23662.7	21955.4
32.5°	27924.1	28312.0	28255.1	27987.7	27257.5	26293.6	24842.7	23269.1	21460.1	19823.1	18162.4
35°	23779.9	24250.9	24275.3	24100.5	23422.6	22469.9	21037.1	19514.0	17781.3	16236.8	14702.6
37.5°	19315.0	19861.1	19973.3	19926.1	19364.3	18523.3	17217.8	15851.4	14316.5	12962.8	11650.7
40°	14825.3	15378.2	15570.0	15626.9	15212.3	14560.9	13489.4	12386.6	11135.2	10038.3	8996.5
42.5°	10731.0	11221.1	11406.4	11523.1	11264.3	10829.9	10048.3	9247.4	8330.7	7539.6	6781.1
45°	7453.0	7799.6	7940.5	8058.0	7917.0	7671.9	7178.3	6677.5	6072.3	5555.4	5065.9
47.5°	5210.8	5402.0	5495.0	5551.9	5497.3	5369.5	5100.9	4810.7	4469.2	4167.1	3876.6
50°	3862.4	3964.1	4012.8	4045.7	4005.8	3934.8	3789.5	3631.5	3443.9	3272.8	3105.5
52.5°	3060.8	3119.1	3148.1	3165.7	3142.9	3099.5	3014.9	2921.3	2808.8	2703.0	2647.4
55°	2578.5	2575.5	2642.4	2610.1	2642.4	2570.3	2555.1	2452.2	2358.7	2293.0	2221.8
57.5°	2126.5	2156.7	2169.6	2184.0	2174.7	2161.5	2125.6	2088.6	2039.4	1998.2	1954.2
60°	1840.7	1865.6	1879.8	1894.0	1893.1	1888.1	1867.4	1845.3	1814.5	1789.9	1763.2
62.5°	1643.9	1665.5	1679.4	1693.0	1694.2	1692.2	1676.5	1661.2	1640.2	1624.8	1606.4
65°	1489.0	1504.1	1513.6	1524.5	1523.9	1521.0	1506.7	1494.0	1476.8	1466.1	1452.6
67.5°	1326.9	1338.4	1345.7	1356.0	1358.0	1358.6	1350.7	1344.8	1336.4	1333.4	1328.8
70°	1211.7	1225.6	1237.4	1250.4	1257.4	1260.8	1257.4	1254.4	1249.4	1247.3	1243.8
72.5°	1124.4	1136.2	1145.4	1157.2	1163.8	1168.5	1165.9	1164.2	1159.9	1159.3	1156.9
75°	1016.1	1024.2	1029.4	1038.3	1041.8	1046.2	1044.2	1045.3	1043.9	1047.3	1047.1
77.5°	885.8	891.9	894.3	900.6	901.3	906.7	907.9	914.2	918.6	928.4	933.6
80°	739.2	743.0	743.0	749.6	752.5	761.6	765.8	776.1	780.9	789.5	790.3
82.5°	574.2	569.8	574.2	571.5	579.9	590.0	591.4	600.1	602.1	607.6	603.3
85°	392.6	392.3	388.8	389.4	386.7	388.0	386.4	388.2	386.5	386.7	382.8
87.5°	188.1	189.8	185.7	187.1	183.0	184.8	181.3	184.1	180.0	180.6	174.5
90°	48.7	50.0	51.1	52.5	54.4	58.1	62.1	65.9	70.3	74.0	78.1
92.5°	54.0	56.3	58.3	60.4	62.5	68.6	74.9	81.0	87.4	93.4	99.7
95°	62.0	63.8	65.7	67.8	69.6	78.6	87.5	96.5	105.3	114.3	123.2
97.5°	70.0	71.2	72.3	73.6	74.8	85.3	95.9	106.3	116.9	127.4	137.9
100°	80.6	82.0	83.4	85.0	86.4	110.7	135.0	159.3	183.6	207.7	232.0
102.5°	132.2	140.7	149.1	157.9	166.4	225.3	284.2	343.2	401.8	460.8	519.6
105°	303.2	331.9	360.8	389.5	418.1	507.3	596.5	685.7	774.6	863.7	952.9
107.5°	615.0	665.4	716.1	766.5	817.0	900.9	984.7	1068.4	1152.4	1236.1	1319.7
110°	943.2	986.5	1030.4	1074.0	1117.6	1184.0	1250.8	1317.1	1383.7	1450.2	1516.6



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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°	1134.9	1161.5	1188.1	1214.3	1241.0	1289.7	1338.8	1387.5	1436.4	1484.9	1533.7
115°	1185.3	1199.0	1213.2	1227.1	1241.4	1270.8	1300.2	1329.7	1359.2	1388.4	1417.9
117.5°	1152.2	1157.2	1162.4	1167.1	1172.2	1187.3	1202.4	1217.5	1232.7	1247.7	1262.8
120°	1070.2	1069.8	1069.5	1068.9	1068.6	1073.1	1078.0	1082.7	1087.4	1091.8	1096.4
122.5°	977.6	974.1	970.8	967.2	963.7	961.9	960.4	958.6	957.1	955.2	953.5
125°	890.0	886.4	883.0	879.2	875.5	871.3	867.1	862.7	858.4	853.9	849.6
127.5°	815.5	812.1	809.2	805.8	802.5	797.4	792.7	787.7	783.1	777.9	773.2
130°	753.8	751.4	749.4	746.5	744.2	739.7	735.7	731.3	727.0	722.7	718.4
132.5°	709.5	707.9	706.3	704.2	702.6	698.6	695.1	690.9	687.1	683.2	679.6
135°	675.5	674.5	673.7	672.4	671.3	668.1	665.3	662.3	659.4	656.5	653.5
137.5°	647.6	647.1	646.9	646.4	645.9	643.2	641.0	638.4	636.1	633.6	631.2
140°	629.9	629.6	629.4	628.9	628.5	625.9	623.4	620.6	618.1	615.4	612.9
142.5°	611.4	611.2	611.1	610.5	610.3	608.1	606.3	604.3	602.3	600.2	598.2
145°	597.8	597.9	598.1	597.9	598.1	595.6	593.4	590.9	588.8	586.3	584.1
147.5°	584.8	584.9	585.2	585.3	585.7	583.5	581.9	579.8	578.1	575.9	574.2
150°	575.1	575.2	575.3	575.1	575.0	572.9	571.1	569.1	567.3	565.1	563.4
152.5°	565.7	565.9	566.3	566.4	566.6	564.5	562.6	560.5	558.5	556.3	554.3
155°	557.8	557.9	558.1	558.1	558.1	556.3	554.4	552.3	550.5	548.6	546.8
157.5°	551.0	551.3	551.6	551.8	551.9	550.3	548.7	547.1	545.5	543.9	542.2
160°	546.6	547.0	547.3	547.5	547.8	546.4	545.4	543.6	542.5	540.9	539.3
162.5°	544.3	544.7	545.0	545.2	545.5	544.1	543.0	541.6	540.3	538.6	537.3
165°	540.6	540.6	540.7	540.7	540.8	539.9	539.1	538.2	537.3	536.2	535.3
167.5°	541.7	541.6	541.9	541.8	541.9	541.2	540.9	540.2	539.5	538.8	538.1
170°	541.4	541.5	541.6	541.4	541.5	540.8	540.3	539.7	539.3	538.3	537.6
172.5°	540.9	540.7	540.5	540.4	540.0	539.5	539.3	538.8	538.5	538.0	537.6
175°	540.3	540.0	539.8	539.6	539.2	539.2	538.9	538.8	538.6	538.3	538.1
177.5°	543.8	543.2	542.5	541.9	541.4	541.2	541.1	540.8	540.9	540.7	540.5
180°	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6



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CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8
2.5°	41662.4	41405.1	41371.1	41389.2	41432.2	41448.1	41494.5	41507.2	41553.8	41565.4	41610.2
5°	42522.1	42182.0	42199.0	42280.7	42404.5	42478.3	42600.0	42663.6	42779.8	42832.6	42937.6
7.5°	43428.6	43161.5	43244.7	43382.7	43551.9	43669.1	43815.3	43910.5	44036.5	44114.7	44215.5
10°	43873.6	43800.5	43892.1	44000.7	44097.2	44172.8	44234.8	44284.4	44316.8	44347.3	44360.6
12.5°	43534.9	43648.1	43663.8	43653.3	43589.2	43540.5	43430.7	43356.1	43223.7	43143.1	42985.6
15°	42279.3	42528.3	42390.4	42181.6	41876.2	41621.6	41261.8	40994.1	40619.5	40365.4	39989.6
17.5°	40075.8	40390.1	40030.8	39547.8	38933.3	38407.5	37752.9	37233.3	36582.4	36109.1	35501.7
20°	36973.6	37267.3	36626.5	35825.8	34875.2	34075.2	33131.8	32379.1	31502.5	30850.4	30063.4
22.5°	33111.1	33320.4	32417.6	31338.1	30127.0	29127.6	27999.7	27097.3	26096.9	25351.3	24512.2
25°	28838.1	28894.5	27811.6	26568.0	25218.2	24095.0	22890.8	21942.1	20921.7	20166.2	19342.5
27.5°	24525.3	24442.4	23271.9	21953.2	20533.5	19366.0	18191.5	17302.4	16408.9	15728.2	15018.7
30°	20454.4	20254.0	19038.6	17683.2	16305.0	15258.7	14283.6	13569.6	12858.7	12318.8	11749.3
32.5°	16721.5	16438.6	15255.6	13985.7	12824.5	12017.0	11293.9	10753.7	10179.6	9723.5	9245.6
35°	13415.1	13113.7	12065.6	10989.1	10110.2	9515.0	8946.7	8503.4	8016.0	7631.3	7216.2
37.5°	10577.4	10330.3	9452.5	8605.4	7940.5	7479.3	7013.7	6651.4	6248.6	6079.3	5635.8
40°	8165.7	7993.1	7306.7	6682.2	6183.0	5966.2	5493.6	5155.3	4854.2	4606.0	4365.5
42.5°	6369.4	6308.3	5640.2	5153.3	4801.7	4528.7	4265.2	4051.4	3843.3	3672.3	3510.6
45°	4674.2	4625.9	4329.2	4048.1	3808.6	3617.8	3439.8	3292.7	3156.6	3043.9	2941.2
47.5°	3639.8	3624.3	3453.5	3279.1	3128.3	3005.7	2890.2	2792.5	2702.2	2626.9	2602.4
50°	2960.4	2958.4	2858.2	2750.5	2643.2	2572.2	2498.5	2440.8	2382.8	2337.7	2289.9
52.5°	2515.3	2504.4	2436.8	2370.4	2306.6	2260.1	2212.9	2176.0	2137.6	2109.7	2080.1
55°	2165.5	2176.9	2137.8	2098.1	2058.2	2029.3	1996.2	1971.9	1945.6	1927.9	1910.0
57.5°	1922.4	1937.6	1917.1	1894.6	1870.3	1851.2	1828.4	1811.7	1794.0	1782.8	1772.4
60°	1745.7	1762.2	1753.9	1742.6	1727.6	1716.3	1701.8	1692.4	1681.1	1674.8	1669.0
62.5°	1595.6	1616.3	1613.4	1608.0	1598.5	1592.1	1584.2	1580.1	1572.5	1569.8	1567.1
65°	1446.0	1469.2	1468.8	1466.2	1460.8	1459.0	1454.1	1453.2	1449.3	1450.8	1450.5
67.5°	1328.2	1348.5	1353.0	1356.2	1356.0	1357.2	1356.8	1358.7	1358.7	1361.6	1363.5
70°	1243.4	1257.4	1260.8	1264.2	1265.1	1267.8	1267.8	1269.5	1269.0	1271.5	1271.8
72.5°	1157.5	1176.0	1179.4	1182.1	1182.1	1184.8	1183.4	1183.0	1179.2	1178.5	1175.9
75°	1050.7	1074.4	1079.6	1083.0	1083.5	1085.7	1082.5	1080.5	1074.4	1072.0	1067.6
77.5°	939.1	963.7	967.4	968.6	966.6	967.1	960.4	955.8	948.0	944.7	940.6
80°	793.9	830.1	833.0	830.7	825.1	824.2	817.6	813.3	804.0	800.7	797.2
82.5°	604.1	646.7	652.6	655.2	650.6	651.7	645.4	642.9	634.4	632.8	627.2
85°	381.4	424.0	430.9	429.9	425.3	424.3	420.6	421.8	421.1	423.4	424.6
87.5°	175.3	216.4	226.3	223.2	222.7	219.8	213.2	215.6	219.7	222.2	222.4
90°	82.0	98.5	102.1	99.9	93.5	90.7	84.8	82.5	77.2	75.0	69.7
92.5°	105.8	112.1	118.3	112.7	107.3	101.7	96.3	90.5	85.3	79.5	74.3
95°	132.2	140.8	149.7	142.4	134.9	127.5	120.2	112.9	105.5	98.2	90.9
97.5°	148.4	158.7	169.0	161.6	154.4	146.9	139.5	132.3	124.9	117.3	110.1
100°	256.3	280.0	304.1	283.2	262.2	241.5	220.6	199.5	178.6	157.8	136.8
102.5°	578.4	636.9	695.5	642.5	589.7	536.8	484.0	431.1	378.4	325.4	272.6
105°	1041.8	1130.3	1219.2	1138.2	1057.5	976.9	896.3	815.6	735.0	654.2	573.7
107.5°	1403.3	1486.1	1569.4	1496.4	1423.4	1350.5	1277.4	1204.5	1131.5	1058.5	985.7
110°	1582.9	1648.1	1714.2	1665.0	1616.0	1566.8	1517.8	1468.8	1419.9	1371.0	1322.1



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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°	1582.2	1629.2	1677.4	1648.3	1619.7	1590.9	1562.2	1533.4	1504.9	1476.1	1447.8
115°	1447.0	1474.2	1502.9	1491.2	1479.8	1468.4	1456.8	1445.5	1434.0	1422.7	1411.6
117.5°	1277.7	1290.1	1304.3	1301.8	1299.8	1297.3	1295.2	1292.8	1290.9	1288.8	1286.9
120°	1100.9	1102.6	1106.4	1107.5	1108.9	1109.9	1111.3	1112.5	1113.9	1115.2	1116.8
122.5°	951.7	946.8	944.1	945.2	946.2	947.1	948.4	949.5	950.7	951.9	953.3
125°	845.2	837.4	831.9	829.7	827.6	825.3	822.9	820.7	818.7	816.6	814.6
127.5°	768.2	759.6	753.7	748.9	744.0	739.1	734.2	729.2	724.6	719.6	715.1
130°	714.3	706.0	700.5	694.4	688.6	682.3	676.5	670.4	664.3	658.3	652.4
132.5°	675.4	667.4	662.5	656.8	651.2	645.2	639.5	633.6	627.8	621.6	616.1
135°	650.5	643.1	639.2	633.8	628.8	623.4	618.0	612.7	607.5	601.9	597.0
137.5°	628.6	621.4	618.0	613.7	609.6	605.2	601.3	596.7	592.5	587.8	583.8
140°	610.2	602.6	599.0	596.5	594.3	591.5	589.2	586.5	584.1	581.5	579.0
142.5°	596.2	588.9	585.7	584.1	582.7	581.0	579.7	577.9	576.2	574.3	572.7
145°	581.9	573.7	570.3	569.9	569.8	569.5	569.2	568.9	568.6	568.2	567.8
147.5°	572.0	563.8	560.4	560.7	560.9	560.9	561.3	561.1	561.5	561.5	561.7
150°	561.2	551.7	547.9	548.5	548.9	549.5	550.1	550.6	551.4	551.8	552.4
152.5°	552.0	540.8	536.5	537.1	538.0	538.4	539.2	539.9	540.8	541.6	542.3
155°	544.4	532.3	527.6	527.6	527.9	528.2	528.5	529.0	529.4	529.9	530.4
157.5°	540.2	527.6	523.1	522.7	522.9	522.9	523.0	523.3	523.5	523.7	524.3
160°	537.8	525.3	520.8	520.4	520.5	520.4	520.3	520.4	520.6	520.8	521.4
162.5°	535.6	523.4	519.0	518.6	518.4	518.4	518.4	518.2	518.4	518.5	518.9
165°	534.1	523.4	519.5	519.4	519.5	519.5	519.6	519.8	520.1	520.4	520.8
167.5°	537.2	527.6	524.6	524.1	523.7	523.2	523.2	522.6	522.6	522.3	522.3
170°	536.8	529.2	526.5	526.4	526.6	526.6	526.5	526.6	526.6	526.6	526.8
172.5°	537.0	531.5	529.5	529.8	530.2	530.6	531.0	531.3	531.7	532.2	532.7
175°	537.9	534.6	533.8	533.7	534.0	534.2	534.4	534.7	534.9	535.1	535.7
177.5°	540.4	539.4	538.9	538.9	538.9	538.9	538.9	538.9	538.9	539.1	539.1
180°	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6



TEST NUMBER: P1444410
 CATALOG NUMBER: EHBR1-48-UNV-TA-L840-UPL36

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8
2.5°	41618.6	41667.2	41663.4	41708.7	41706.5	41749.2	41740.6	41777.4	41769.1	41800.5	41782.1
5°	42983.8	43076.1	43106.5	43189.8	43207.1	43281.7	43283.2	43342.4	43335.2	43381.6	43356.9
7.5°	44275.2	44361.4	44402.3	44466.9	44499.3	44552.8	44573.8	44617.9	44628.5	44654.5	44653.7
10°	44384.2	44383.9	44404.1	44395.1	44413.2	44402.7	44424.8	44416.8	44449.4	44441.0	44465.6
12.5°	42917.7	42772.1	42719.0	42588.3	42559.7	42447.5	42455.5	42383.5	42418.3	42374.1	42449.3
15°	39766.0	39428.4	39261.5	38968.0	38875.9	38643.8	38625.0	38470.8	38512.5	38431.9	38549.8
17.5°	35108.6	34577.0	34285.3	33856.7	33686.5	33358.3	33292.6	33094.2	33125.0	33025.0	33167.3
20°	29555.7	28913.4	28545.4	28049.8	27828.6	27437.4	27333.6	27111.7	27139.6	27040.1	27201.1
22.5°	23939.5	23267.1	22851.8	22332.2	22049.9	21681.9	21571.5	21348.5	21361.2	21267.9	21422.8
25°	18778.4	18133.8	17730.7	17258.6	17013.7	16676.3	16560.3	16360.1	16371.4	16294.4	16433.5
27.5°	14526.5	13997.6	13660.2	13264.6	13045.0	12767.7	12654.6	12486.2	12485.8	12429.3	12545.4
30°	11351.7	10910.3	10607.4	10262.9	10056.6	9806.4	9697.1	9546.5	9539.9	9499.8	9592.1
32.5°	8888.1	8495.5	8219.2	7916.1	7730.9	7516.1	7412.7	7291.6	7280.6	7244.3	7320.1
35°	6909.3	6578.8	6341.2	6085.9	6104.8	5787.9	5840.6	5594.5	5527.8	5513.2	5569.6
37.5°	5340.1	5084.0	4891.1	4699.9	4570.5	4436.6	4364.4	4299.8	4292.4	4286.1	4325.6
40°	4179.9	4000.7	3860.3	3729.2	3640.1	3558.3	3513.2	3477.7	3469.2	3464.5	3488.4
42.5°	3383.0	3262.1	3171.6	3091.6	3037.4	2993.0	2968.2	2948.5	2941.8	2942.0	2956.1
45°	2858.2	2784.8	2726.5	2676.8	2642.2	2657.4	2612.7	2636.1	2605.1	2637.1	2616.0
47.5°	2517.1	2454.6	2418.5	2383.3	2362.3	2345.4	2346.0	2346.3	2353.0	2354.0	2360.9
50°	2253.8	2217.7	2192.6	2170.1	2159.2	2150.3	2153.4	2155.6	2162.1	2162.6	2167.6
52.5°	2059.0	2035.3	2020.1	2006.1	2001.3	1996.2	1998.3	1997.4	2000.3	1998.8	2003.0
55°	1900.4	1889.3	1884.5	1879.3	1880.1	1878.7	1879.6	1874.5	1871.5	1867.7	1871.2
57.5°	1770.3	1768.8	1772.0	1774.1	1780.1	1782.2	1783.6	1777.8	1772.3	1767.3	1770.2
60°	1670.1	1672.5	1680.5	1686.8	1695.4	1699.5	1701.9	1698.6	1694.5	1690.4	1692.9
62.5°	1571.2	1575.0	1584.5	1591.7	1602.1	1607.4	1613.4	1613.7	1615.3	1613.7	1615.4
65°	1456.4	1461.1	1469.7	1475.7	1485.3	1490.1	1496.1	1497.3	1500.6	1499.9	1502.8
67.5°	1369.1	1373.5	1380.6	1386.3	1394.8	1399.8	1405.1	1405.4	1406.6	1406.3	1409.1
70°	1276.1	1278.2	1284.7	1289.4	1298.0	1303.0	1309.2	1311.0	1314.8	1315.4	1318.5
72.5°	1176.9	1176.0	1179.8	1181.9	1188.4	1192.4	1200.2	1204.4	1210.9	1212.6	1214.9
75°	1068.8	1067.9	1072.6	1074.4	1079.9	1083.9	1092.6	1098.3	1108.2	1112.3	1111.3
77.5°	943.8	945.9	954.5	959.3	966.6	971.7	983.1	992.0	1010.3	1018.2	1010.1
80°	804.0	806.3	815.2	819.6	829.2	835.4	848.1	858.6	875.0	878.5	873.9
82.5°	632.0	632.7	640.6	644.0	656.6	665.6	681.7	690.1	700.1	698.6	697.4
85°	430.9	436.8	446.8	456.7	472.0	486.6	501.9	514.4	505.5	519.4	503.8
87.5°	230.4	229.7	243.2	241.1	262.4	274.9	288.1	294.3	301.4	300.0	300.1
90°	68.0	64.5	64.3	60.3	61.1	57.0	58.8	55.0	57.6	52.9	60.2
92.5°	68.5	65.7	62.6	59.7	56.6	53.8	50.7	47.6	44.7	41.7	44.7
95°	83.5	80.8	78.0	75.2	72.4	69.6	66.9	64.2	61.3	58.6	62.1
97.5°	102.7	101.1	99.5	97.9	96.3	94.7	93.1	91.5	89.8	88.2	90.5
100°	115.9	115.9	115.9	115.9	115.6	115.6	115.6	115.6	115.6	115.6	117.4
102.5°	219.7	214.4	209.2	203.6	198.4	193.1	187.9	182.5	177.3	172.0	179.8
105°	493.0	472.3	451.6	430.9	410.2	389.5	368.9	348.2	327.6	306.9	328.2
107.5°	913.0	875.2	837.6	799.9	762.1	724.6	686.9	649.3	611.8	574.1	607.8
110°	1273.2	1233.2	1193.0	1153.2	1113.1	1073.1	1033.1	993.3	953.3	913.4	945.5



TEST NUMBER: P1444410
 CATALOG NUMBER: EHBR1-48-UNV-TA-L840-UPL36

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	1419.3	1393.0	1367.2	1341.4	1315.5	1289.8	1264.1	1238.3	1212.7	1187.0	1202.6
115°	1400.2	1387.9	1375.4	1363.2	1350.7	1338.3	1326.0	1313.9	1301.7	1289.6	1290.5
117.5°	1284.8	1280.4	1276.3	1272.0	1267.8	1263.8	1259.7	1255.8	1251.8	1248.0	1239.4
120°	1118.5	1119.5	1120.5	1121.8	1123.1	1124.5	1125.6	1127.3	1128.9	1130.5	1118.8
122.5°	954.7	957.3	960.2	963.1	966.1	969.3	972.5	975.9	979.3	982.8	971.1
125°	812.4	815.2	817.8	820.6	823.2	826.6	829.7	833.1	836.4	840.0	830.1
127.5°	710.4	711.1	711.6	712.7	713.6	714.8	716.1	717.5	719.1	720.9	714.8
130°	646.4	645.1	643.4	642.3	640.8	640.1	639.3	638.6	638.0	637.7	635.0
132.5°	610.2	607.4	604.5	601.7	599.0	596.8	594.4	592.5	590.5	588.9	588.0
135°	591.4	587.5	583.8	580.1	576.4	573.4	570.0	567.2	564.3	561.7	562.4
137.5°	579.4	575.7	571.8	568.3	564.6	561.6	558.2	555.3	552.5	549.9	551.1
140°	576.2	572.5	568.6	565.1	561.8	558.5	555.4	552.6	549.4	547.2	547.9
142.5°	570.9	567.8	564.1	561.0	557.8	554.9	552.1	549.6	546.8	544.7	545.5
145°	567.4	564.9	562.3	559.8	557.6	555.6	553.1	551.4	549.6	548.2	548.6
147.5°	561.6	559.9	557.9	556.2	554.1	552.8	551.1	549.8	548.5	547.4	547.6
150°	552.9	551.8	550.5	549.4	548.2	547.2	546.2	545.4	544.5	543.9	543.9
152.5°	543.1	542.2	540.9	540.0	539.0	538.2	537.3	536.8	536.0	535.4	535.4
155°	530.9	530.4	530.0	529.7	529.3	529.2	528.8	528.8	528.5	528.5	528.6
157.5°	524.5	524.6	524.3	524.5	524.5	524.5	524.5	524.9	524.7	525.1	525.4
160°	521.9	521.7	521.5	521.4	521.2	521.0	521.1	521.0	521.1	521.0	521.6
162.5°	519.1	519.5	519.7	520.0	520.4	520.7	521.2	521.9	522.2	522.8	523.3
165°	521.4	521.4	521.2	521.1	521.4	521.5	521.6	522.0	522.1	522.5	523.1
167.5°	522.2	522.5	522.6	523.0	523.4	523.9	524.2	525.0	525.5	526.3	526.8
170°	526.7	526.7	526.7	526.7	526.7	527.0	527.2	527.3	527.5	527.9	528.3
172.5°	533.0	533.0	532.7	533.0	532.7	533.0	533.0	533.2	533.2	533.4	533.6
175°	535.6	536.1	536.3	536.8	536.8	537.0	537.2	537.5	537.7	538.1	538.1
177.5°	539.1	539.2	539.2	539.2	539.2	539.4	539.4	539.4	539.4	539.2	539.4
180°	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6



TEST NUMBER: P1444410
 CATALOG NUMBER: EHBR1-48-UNV-TA-L840-UPL36

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8
2.5°	41812.9	41791.9	41813.3	41791.6	41813.3	41787.2	41804.9	41776.7	41783.9	41754.6	41762.2
5°	43393.9	43360.5	43378.2	43334.9	43339.5	43281.7	43280.6	43213.3	43195.5	43118.8	43085.1
7.5°	44672.3	44661.4	44667.5	44639.6	44636.4	44596.9	44578.1	44522.4	44487.3	44416.8	44368.6
10°	44469.9	44502.4	44510.9	44544.1	44551.0	44583.9	44590.8	44623.7	44630.6	44654.9	44655.2
12.5°	42445.8	42556.5	42582.9	42719.6	42777.2	42933.6	43017.5	43189.8	43292.2	43464.1	43569.6
15°	38546.5	38737.9	38814.3	39081.3	39228.9	39540.5	39736.3	40094.1	40346.7	40726.7	40997.7
17.5°	33179.9	33447.4	33568.2	33930.1	34166.3	34626.2	34957.7	35503.3	35921.0	36527.3	37007.9
20°	27228.7	27526.0	27689.9	28102.9	28381.6	28918.9	29332.7	30003.2	30562.3	31330.7	31987.6
22.5°	21471.3	21754.3	21936.3	22356.4	22670.1	23230.6	23693.1	24400.7	25027.2	25893.0	26680.8
25°	16486.0	16745.3	16909.7	17289.7	17584.3	18099.3	18541.1	19221.7	19834.6	20703.1	21510.8
27.5°	12603.3	12820.5	12979.1	13303.1	13562.9	13999.7	14379.1	14941.6	15469.7	16221.0	16940.3
30°	9648.9	9841.4	9995.7	10277.9	10518.8	10897.4	11231.1	11703.5	12140.6	12738.4	13310.7
32.5°	7373.4	7539.1	7676.6	7923.6	8142.1	8483.1	8783.6	9197.8	9573.0	10080.0	10550.8
35°	5621.8	5948.1	5924.9	6265.6	6320.4	6565.2	6833.3	7195.4	7527.6	7958.8	8359.5
37.5°	4363.5	4455.2	4553.4	4704.1	4862.3	5085.0	5311.5	5753.9	5916.2	6242.1	6573.7
40°	3518.7	3580.7	3645.6	3747.3	3858.2	4015.0	4180.0	4391.1	4607.3	4871.5	5141.4
42.5°	2974.7	3009.8	3051.1	3110.9	3179.3	3278.7	3389.1	3532.2	3682.6	3868.6	4058.4
45°	2657.8	2641.2	2653.4	2685.6	2726.7	2787.2	2856.8	2945.4	3043.3	3163.8	3292.1
47.5°	2362.3	2369.0	2372.7	2390.1	2412.2	2452.8	2495.0	2555.1	2671.3	2706.6	2776.6
50°	2167.1	2170.4	2169.2	2178.1	2189.3	2215.7	2243.1	2283.8	2324.4	2378.3	2429.8
52.5°	2003.6	2008.1	2007.5	2013.4	2019.3	2036.0	2053.3	2082.1	2108.7	2143.0	2172.5
55°	1874.4	1880.7	1883.1	1888.0	1890.9	1899.6	1906.5	1920.3	1931.6	1951.0	1969.0
57.5°	1775.0	1783.6	1787.5	1789.3	1785.7	1785.3	1783.0	1785.9	1788.3	1798.6	1808.7
60°	1696.8	1703.7	1704.8	1703.7	1697.3	1692.7	1685.3	1683.0	1681.8	1686.8	1692.4
62.5°	1615.0	1617.4	1615.7	1613.7	1606.4	1602.0	1594.3	1591.5	1589.0	1592.5	1595.3
65°	1501.7	1503.8	1501.7	1500.5	1493.9	1490.4	1483.9	1481.8	1478.1	1479.1	1478.4
67.5°	1409.7	1411.9	1410.2	1408.5	1403.9	1401.8	1397.1	1393.9	1389.5	1387.9	1384.8
70°	1318.1	1319.8	1317.1	1315.4	1310.3	1308.3	1303.8	1302.9	1299.4	1298.6	1295.1
72.5°	1212.6	1212.7	1209.1	1208.0	1204.1	1204.0	1202.2	1203.8	1203.7	1205.6	1204.7
75°	1104.7	1103.1	1098.6	1097.8	1094.9	1096.3	1094.3	1096.9	1097.2	1101.2	1101.6
77.5°	996.7	990.9	982.3	978.1	972.3	971.6	968.1	970.5	969.7	974.3	976.1
80°	860.2	853.2	842.1	836.7	829.8	828.8	825.7	828.8	827.2	832.6	836.4
82.5°	686.7	680.8	669.2	664.8	656.9	657.7	654.2	657.7	657.2	665.1	669.8
85°	507.9	504.0	492.1	481.5	469.7	462.8	456.1	454.9	452.8	456.1	458.8
87.5°	293.4	289.7	280.4	274.2	253.6	254.5	246.4	246.0	244.0	242.2	246.4
90°	59.5	65.9	65.6	71.3	71.6	78.2	78.9	85.3	85.5	91.8	93.0
92.5°	47.6	50.7	53.6	56.6	59.5	62.6	65.5	68.5	75.0	81.0	87.8
95°	65.5	68.9	72.3	75.9	79.3	82.7	86.2	89.6	99.0	108.4	117.9
97.5°	92.8	95.0	97.4	99.6	101.9	104.2	106.4	108.8	119.0	129.1	139.1
100°	119.3	121.1	122.9	124.8	126.6	128.4	130.3	132.1	151.9	171.3	190.9
102.5°	187.6	195.4	203.2	211.0	219.0	226.8	234.6	242.4	287.3	332.0	376.8
105°	349.6	370.9	392.5	413.8	435.2	456.5	478.0	499.3	571.0	642.5	714.4
107.5°	641.5	675.2	708.9	742.9	776.6	810.4	844.1	878.0	947.9	1017.9	1087.8
110°	977.6	1010.0	1042.1	1074.3	1106.4	1138.8	1170.9	1203.3	1245.4	1287.3	1329.4



TEST NUMBER: P1444410
 CATALOG NUMBER: EHBR1-48-UNV-TA-L840-UPL36

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	1218.3	1233.9	1249.6	1265.4	1281.1	1297.1	1312.8	1328.8	1349.8	1370.7	1391.9
115°	1291.5	1292.4	1293.6	1294.7	1296.0	1297.0	1298.5	1299.7	1306.5	1313.2	1320.0
117.5°	1230.7	1222.2	1213.8	1205.1	1196.8	1188.7	1180.4	1172.4	1171.1	1169.9	1168.9
120°	1107.6	1096.0	1084.6	1073.2	1062.1	1050.8	1039.9	1028.9	1023.3	1018.0	1012.5
122.5°	959.7	948.3	937.0	925.8	914.7	903.8	893.0	882.2	878.3	874.7	871.1
125°	820.6	811.1	801.8	792.6	783.6	774.6	765.9	757.1	757.2	757.1	757.5
127.5°	708.9	703.3	697.7	692.2	687.1	681.9	676.8	671.8	674.7	677.4	680.4
130°	632.5	630.1	628.1	625.7	624.2	622.1	620.5	618.7	623.6	628.1	632.8
132.5°	587.9	587.6	587.6	587.5	587.8	588.1	588.8	589.2	594.6	599.7	605.3
135°	563.1	564.0	565.2	566.4	568.0	569.4	571.1	572.5	577.9	582.8	588.0
137.5°	552.4	553.6	555.3	556.9	559.0	560.7	562.9	564.8	569.0	573.1	577.2
140°	549.0	550.0	551.4	552.8	554.3	556.0	557.9	559.4	563.0	566.1	569.4
142.5°	546.7	547.5	548.8	550.2	551.7	553.1	554.7	556.2	558.8	561.0	563.9
145°	549.5	550.1	551.2	552.1	553.3	554.4	555.8	556.9	558.7	560.2	561.8
147.5°	548.2	548.6	549.4	550.2	551.1	551.8	552.6	553.3	554.6	555.7	556.9
150°	544.3	544.4	544.8	545.1	545.8	546.3	547.0	547.4	548.3	549.1	550.4
152.5°	535.8	535.9	536.3	536.5	537.0	537.4	537.8	538.3	539.3	540.0	541.0
155°	529.1	529.7	530.3	530.8	531.5	531.8	532.7	533.1	533.9	534.5	535.3
157.5°	526.0	526.3	527.1	527.4	528.2	528.6	529.2	529.7	530.4	530.9	531.5
160°	522.4	523.4	524.0	524.8	525.6	526.4	527.2	528.0	528.6	529.1	529.7
162.5°	523.9	524.5	525.1	525.5	526.1	526.7	527.2	527.8	528.8	529.3	530.3
165°	523.9	524.7	525.6	526.1	527.1	528.0	528.7	529.5	529.9	530.5	531.0
167.5°	527.7	528.2	529.2	529.9	530.7	531.4	532.3	533.0	533.6	533.9	534.5
170°	529.0	529.7	530.4	531.1	531.8	532.3	533.3	533.8	534.6	535.1	536.0
172.5°	534.2	534.7	535.2	535.6	536.1	536.8	537.4	537.7	538.4	538.9	539.5
175°	538.1	538.1	538.2	538.4	538.5	538.5	538.7	539.0	539.1	539.3	539.4
177.5°	539.6	539.9	540.1	540.3	540.5	540.8	541.0	541.2	541.2	541.2	541.2
180°	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6



TEST NUMBER: P1444410
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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°	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8
2.5°	41732.9	41734.8	41701.1	41699.2	41667.8	41663.7	41633.0	41623.7	41598.7	41589.7	41564.2
5°	42999.1	42958.1	42863.3	42807.6	42714.0	42651.9	42550.6	42484.6	42386.8	42313.0	42214.5
7.5°	44279.7	44216.0	44109.6	44023.5	43893.5	43789.8	43637.7	43513.2	43348.6	43206.0	43033.0
10°	44655.2	44645.4	44618.4	44578.8	44518.4	44450.5	44347.0	44239.1	44094.8	43938.0	43745.8
12.5°	43731.2	43831.0	43967.0	44047.6	44145.8	44188.8	44229.0	44218.9	44192.4	44113.2	44002.0
15°	41390.3	41670.7	42041.9	42329.7	42660.7	42901.3	43167.0	43332.6	43497.7	43574.0	43620.6
17.5°	37666.5	38197.4	38863.1	39414.9	40051.4	40562.7	41123.2	41545.2	41979.0	42289.9	42571.0
20°	32883.3	33652.5	34594.1	35425.9	36393.1	37233.6	38154.7	38910.9	39690.6	40300.5	40877.5
22.5°	27695.1	28608.7	29747.0	30801.5	32048.5	33169.1	34433.3	35533.8	36682.7	37642.6	38570.6
25°	22593.4	23595.3	24840.1	26016.6	27428.7	28732.2	30231.6	31603.1	33088.0	34377.3	35651.0
27.5°	17934.9	18918.4	20189.3	21441.7	22934.9	24323.8	25930.4	27441.4	29132.3	30691.5	32286.6
30°	14105.9	14940.2	16079.6	17292.6	18765.5	20178.8	21802.8	23356.8	25115.8	26818.3	28614.9
32.5°	11175.7	11811.3	12707.0	13732.8	15091.7	16437.1	17983.5	19483.7	21215.8	22935.7	24804.2
35°	8875.6	9371.3	10054.3	10854.7	12005.5	13165.3	14533.0	15897.3	17513.3	19145.3	20961.5
37.5°	6998.8	7401.0	7936.0	8537.2	9460.3	10412.1	11533.7	12664.7	14068.9	15515.5	17161.5
40°	5465.3	5791.1	6207.5	6655.9	7352.9	8086.2	8953.6	9830.7	10958.8	12141.1	13503.3
42.5°	4293.4	4533.7	4827.9	5155.6	5805.9	6195.2	6783.4	7417.8	8247.1	9105.4	10129.6
45°	3448.0	3611.9	3815.9	4035.7	4337.5	4667.8	5070.6	5493.0	6280.9	6667.4	7290.2
47.5°	2879.4	2989.5	3119.2	3257.8	3435.7	3627.9	3866.8	4111.0	4426.9	4754.3	5138.1
50°	2496.5	2608.4	2653.0	2724.7	2827.7	2937.4	3072.1	3206.8	3376.2	3547.9	3745.5
52.5°	2212.3	2248.8	2297.2	2342.9	2406.7	2531.6	2571.9	2642.4	2737.4	2830.3	2934.1
55°	1995.3	2019.0	2050.5	2078.0	2116.7	2153.5	2206.8	2253.6	2317.0	2373.0	2441.9
57.5°	1826.3	1841.4	1863.3	1881.4	1906.4	1927.2	1958.4	1983.8	2020.2	2051.9	2093.7
60°	1703.6	1713.7	1728.3	1740.1	1756.1	1767.0	1782.4	1794.3	1813.6	1829.7	1852.9
62.5°	1603.3	1608.5	1618.1	1625.1	1635.2	1640.6	1648.9	1654.2	1664.6	1672.8	1685.8
65°	1483.0	1484.2	1490.7	1493.6	1501.6	1504.4	1511.2	1513.6	1522.4	1528.3	1539.8
67.5°	1384.4	1381.7	1381.8	1379.6	1380.6	1378.3	1379.0	1376.5	1380.0	1381.8	1390.6
70°	1294.4	1290.6	1289.4	1285.3	1284.1	1279.8	1278.6	1274.8	1274.3	1273.1	1276.1
72.5°	1206.8	1205.8	1206.1	1203.1	1202.8	1199.9	1200.0	1198.2	1200.2	1201.1	1205.0
75°	1106.0	1106.3	1108.2	1105.7	1106.4	1103.9	1104.9	1102.5	1103.7	1103.3	1107.3
77.5°	983.2	986.1	991.4	990.3	992.0	989.3	990.5	987.3	988.2	986.1	987.6
80°	845.1	851.3	858.5	858.2	861.2	859.2	862.0	858.9	860.2	856.4	855.5
82.5°	681.2	686.4	694.1	694.4	701.2	702.4	709.8	709.5	714.3	711.2	709.0
85°	465.8	469.3	475.9	479.7	486.5	490.8	498.0	501.0	495.7	505.2	497.7
87.5°	243.2	252.2	247.2	258.9	256.2	268.1	265.6	276.6	274.4	283.9	282.7
90°	101.0	102.7	111.1	113.3	123.1	126.3	130.1	126.1	129.7	126.0	129.5
92.5°	93.8	100.6	107.0	113.4	119.8	126.4	120.3	114.3	108.4	102.6	96.5
95°	127.2	136.6	146.0	155.5	164.9	174.3	164.2	154.2	144.1	134.0	123.9
97.5°	149.2	159.3	169.4	179.5	189.8	199.9	188.0	176.1	164.2	152.4	140.4
100°	210.4	230.0	249.4	269.0	288.7	308.1	286.1	263.8	241.8	219.5	197.3
102.5°	421.8	466.5	511.3	556.3	601.0	645.8	598.7	551.8	504.5	457.4	410.2
105°	786.0	857.8	929.4	1001.1	1072.8	1144.8	1068.3	991.9	915.5	839.2	762.6
107.5°	1157.8	1227.5	1297.8	1367.6	1437.6	1507.8	1430.5	1352.9	1275.6	1198.0	1120.4
110°	1371.6	1413.6	1455.8	1498.1	1540.0	1582.4	1525.8	1469.4	1412.8	1356.2	1299.7



TEST NUMBER: P1444410
 CATALOG NUMBER: EHBR1-48-UNV-TA-L840-UPL36

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	1412.9	1434.4	1455.3	1476.7	1497.8	1519.0	1478.7	1438.5	1398.0	1357.8	1317.2
115°	1327.0	1333.8	1340.8	1347.7	1354.6	1361.4	1334.3	1307.3	1280.1	1253.0	1225.5
117.5°	1167.9	1167.1	1166.0	1165.3	1164.1	1163.2	1148.0	1133.0	1117.9	1102.6	1087.4
120°	1007.0	1001.7	996.4	990.9	985.5	979.9	973.8	967.6	961.2	954.7	948.3
122.5°	867.3	863.9	860.2	856.5	852.7	849.0	846.7	844.5	842.1	839.8	837.2
125°	757.6	757.7	757.8	758.0	757.9	758.0	756.7	755.8	754.6	753.7	752.3
127.5°	683.0	685.8	688.4	691.3	693.7	696.4	696.2	696.3	696.1	695.9	695.7
130°	637.3	642.2	646.7	651.0	655.3	660.1	659.4	659.0	658.5	658.0	657.5
132.5°	610.5	615.8	620.9	626.4	631.3	636.5	635.8	635.3	634.3	633.8	632.9
135°	593.0	598.0	602.8	607.9	612.6	617.4	616.5	615.6	614.5	613.8	612.8
137.5°	581.0	585.4	589.2	593.1	596.9	600.9	599.7	598.8	597.7	597.0	595.9
140°	572.6	575.8	578.9	582.1	585.1	588.2	586.8	585.7	584.3	583.0	581.6
142.5°	566.1	568.7	570.8	573.4	575.4	578.0	575.8	574.0	572.1	570.3	568.4
145°	563.4	565.2	566.8	568.3	569.4	571.2	568.8	566.8	564.2	562.2	559.8
147.5°	557.8	558.9	559.6	560.8	561.3	562.4	560.2	558.1	555.9	553.5	551.3
150°	551.0	552.1	552.8	553.7	554.3	555.4	552.9	550.7	548.2	545.9	543.6
152.5°	541.8	542.7	543.4	544.1	544.9	545.5	543.1	541.2	538.8	536.5	534.3
155°	535.6	536.3	536.6	537.2	537.4	537.8	535.8	534.2	532.3	530.3	528.3
157.5°	531.9	532.6	533.1	533.4	533.7	534.2	532.7	531.3	529.7	528.4	526.9
160°	530.1	530.6	531.0	531.3	531.8	531.9	530.7	529.8	528.6	527.3	525.9
162.5°	530.8	531.6	532.1	532.8	533.5	534.0	532.6	531.2	529.7	528.3	526.8
165°	531.4	531.9	532.4	532.9	533.1	533.5	532.6	531.6	530.5	529.7	528.5
167.5°	534.8	535.5	535.8	536.2	536.4	536.7	535.7	535.0	533.9	532.8	531.6
170°	536.4	536.9	537.5	538.1	538.5	538.8	538.2	537.5	536.6	535.8	534.8
172.5°	540.0	540.5	540.7	541.3	541.5	542.0	541.3	540.4	539.6	538.7	537.7
175°	539.4	539.6	539.9	539.9	539.9	540.0	539.3	538.6	538.0	537.3	536.6
177.5°	541.2	541.2	541.2	541.1	541.1	541.1	540.6	540.2	539.7	539.3	538.6
180°	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6



TEST NUMBER: P1444410
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CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8
2.5°	41555.3	41537.2	41525.6	41510.8	41501.7	41490.2	41481.8	41474.6	41468.8	41463.4	41459.4
5°	42139.6	42046.6	41974.6	41896.5	41832.4	41768.5	41719.1	41678.3	41650.1	41629.0	41616.5
7.5°	42883.5	42713.5	42562.3	42403.1	42260.5	42120.2	41999.2	41895.0	41816.8	41766.1	41735.4
10°	43547.9	43320.3	43095.2	42858.3	42633.6	42415.7	42214.5	42037.7	41897.6	41804.6	41750.2
12.5°	43845.8	43651.9	43422.0	43164.7	42889.4	42610.8	42339.4	42094.5	41888.9	41751.0	41671.4
15°	43583.5	43503.8	43347.9	43148.2	42886.9	42598.9	42280.1	41980.5	41704.8	41526.0	41422.4
17.5°	42730.2	42841.3	42829.3	42753.0	42565.2	42322.8	41997.9	41661.3	41316.5	41077.6	40947.0
20°	41290.3	41639.6	41816.8	41907.7	41833.9	41676.7	41382.6	41041.0	40639.1	40327.2	40136.8
22.5°	39266.8	39883.6	40267.8	40549.0	40608.6	40555.1	40295.3	39970.4	39522.5	39147.5	38866.4
25°	36662.0	37565.5	38172.8	38648.8	38833.8	38881.5	38660.5	38337.5	37838.0	37401.2	37015.1
27.5°	33593.8	34767.7	35578.7	36218.4	36507.1	36632.4	36428.9	36099.3	35508.5	34987.1	34482.7
30°	30139.7	31532.5	32508.8	33275.8	33627.9	33793.3	33577.2	33209.3	32521.8	31894.3	31258.8
32.5°	26442.8	27966.8	29030.6	29863.7	30212.5	30368.1	30085.5	29672.2	28877.6	28138.4	27397.3
35°	22572.0	24110.4	25183.1	25994.1	26286.4	26380.2	26018.7	25541.0	24660.7	23849.3	23041.3
37.5°	18622.5	20053.7	21028.7	21756.5	21937.4	21953.5	21518.0	20990.4	20065.1	19265.1	18460.8
40°	14707.1	15914.0	16701.3	17283.8	17346.5	17290.5	16817.0	16286.1	15420.4	14703.8	13997.6
42.5°	11019.0	11930.0	12491.7	12890.9	12867.2	12756.5	12322.3	11865.9	11151.8	10605.9	10050.1
45°	7859.3	8460.0	8788.4	9022.0	8947.0	8841.6	8503.7	8183.7	7698.5	7345.8	6972.4
47.5°	5460.0	6177.3	6052.4	6509.1	6115.6	6375.5	5834.3	5536.0	5278.5	5091.1	4880.0
50°	3908.9	4073.2	4152.6	4206.8	4178.1	4138.1	4040.9	3954.0	3836.3	3750.6	3650.7
52.5°	3018.7	3100.9	3145.9	3178.5	3172.1	3157.6	3115.1	3076.4	3021.3	2985.0	2941.2
55°	2557.0	2558.2	2641.0	2605.4	2658.0	2596.5	2620.7	2552.6	2563.6	2505.0	2465.8
57.5°	2124.8	2158.5	2173.6	2188.3	2184.2	2181.6	2165.1	2156.9	2138.4	2132.7	2119.5
60°	1869.0	1886.6	1890.3	1897.0	1891.4	1889.3	1876.3	1871.8	1859.4	1857.1	1848.4
62.5°	1693.6	1702.7	1702.7	1702.7	1695.3	1688.3	1674.0	1666.6	1656.0	1653.7	1648.6
65°	1547.3	1556.7	1558.2	1560.1	1554.8	1549.3	1536.7	1528.6	1517.7	1513.6	1507.8
67.5°	1396.3	1406.2	1409.6	1414.6	1411.6	1410.5	1401.9	1398.7	1391.5	1389.8	1384.4
70°	1277.6	1281.7	1281.4	1281.3	1274.6	1268.6	1258.6	1253.9	1246.4	1244.9	1240.0
72.5°	1207.1	1210.0	1208.2	1205.6	1196.9	1188.0	1176.3	1167.7	1157.9	1151.9	1144.9
75°	1107.8	1111.6	1109.1	1107.5	1099.6	1093.9	1084.5	1079.7	1072.9	1070.9	1066.1
77.5°	985.8	987.6	983.7	983.2	977.2	973.6	966.5	965.3	960.3	960.4	955.8
80°	850.0	849.0	842.5	841.3	835.4	833.8	828.3	828.6	824.7	826.3	823.0
82.5°	699.4	695.6	687.2	684.7	677.8	677.2	673.6	676.6	674.2	677.8	675.7
85°	501.3	502.3	498.6	498.6	496.6	497.2	496.9	499.3	499.6	502.9	502.8
87.5°	279.5	283.4	282.7	286.4	286.2	290.3	291.7	297.9	298.6	304.2	304.2
90°	125.9	130.0	126.2	130.5	129.0	134.5	134.0	139.4	138.2	142.9	140.4
92.5°	90.5	84.6	78.8	72.6	69.6	66.4	64.0	60.4	57.7	54.5	51.5
95°	113.8	103.7	93.6	83.5	80.1	76.6	73.2	69.7	66.2	62.8	59.3
97.5°	128.4	116.5	104.6	92.7	89.7	86.8	83.6	80.7	77.7	74.8	71.7
100°	175.0	152.8	130.7	108.3	105.7	103.2	100.7	98.2	95.7	92.9	90.4
102.5°	363.1	315.8	268.6	221.4	212.4	203.5	194.5	185.5	176.5	167.6	158.6
105°	686.2	609.6	533.2	456.6	432.3	407.9	383.6	359.2	334.9	310.6	286.3
107.5°	1042.8	965.1	887.4	809.7	765.0	720.0	675.1	629.9	585.2	540.0	495.1
110°	1243.1	1186.4	1129.8	1072.9	1036.9	1000.7	964.5	928.3	892.1	855.7	819.5



TEST NUMBER: P1444410
 CATALOG NUMBER: EHBR1-48-UNV-TA-L840-UPL36

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1276.8	1236.2	1195.8	1154.9	1138.7	1122.2	1106.0	1089.5	1073.1	1056.5	1040.1
115°	1198.2	1170.9	1143.5	1115.9	1110.4	1104.6	1098.9	1092.9	1087.3	1081.3	1075.4
117.5°	1072.2	1056.9	1041.5	1026.2	1027.2	1028.2	1029.3	1030.1	1031.0	1031.7	1032.4
120°	941.7	935.2	928.9	922.3	927.5	932.4	937.6	942.3	947.1	951.8	956.5
122.5°	834.9	832.4	830.1	827.3	833.5	839.7	845.5	851.6	857.3	862.9	868.5
125°	751.4	750.0	748.9	747.4	753.9	760.0	766.1	771.9	777.8	783.3	789.0
127.5°	695.6	695.4	695.3	694.9	699.6	703.8	708.2	712.3	716.5	720.2	724.1
130°	657.0	656.3	655.8	655.1	659.3	663.3	667.4	670.9	674.7	677.9	681.3
132.5°	632.3	631.4	630.8	629.9	633.0	636.0	638.9	641.3	643.9	646.1	648.2
135°	612.0	610.8	609.9	608.8	611.7	614.5	617.1	619.4	621.8	623.7	625.7
137.5°	595.0	593.9	592.9	591.8	594.4	596.8	599.1	601.3	603.3	605.2	606.8
140°	580.5	579.0	578.0	576.3	578.8	580.8	583.0	584.8	586.7	588.1	589.8
142.5°	566.6	564.3	562.8	560.7	562.4	563.9	565.4	566.9	568.3	569.4	570.3
145°	557.6	555.1	553.0	550.6	551.9	553.1	554.4	555.6	556.4	557.1	557.9
147.5°	549.4	546.9	544.6	542.3	543.5	544.3	545.1	545.7	546.6	547.0	547.5
150°	541.2	538.5	536.1	533.7	534.5	535.1	535.7	536.4	537.1	537.3	537.8
152.5°	531.8	529.5	527.1	524.6	525.3	525.7	526.2	526.4	526.9	527.2	527.5
155°	526.4	524.4	522.3	520.0	520.7	520.9	521.4	521.6	521.8	521.9	522.1
157.5°	525.3	523.4	522.1	520.1	520.2	520.2	520.4	520.0	520.0	519.8	519.6
160°	524.7	523.2	521.9	520.2	520.1	520.0	520.2	519.8	519.7	519.3	519.1
162.5°	525.2	523.6	521.8	520.0	519.9	520.0	519.9	519.5	519.5	519.1	518.8
165°	527.5	526.3	525.1	523.7	523.5	523.2	523.1	522.5	522.2	521.5	521.0
167.5°	530.4	529.3	528.0	526.6	526.6	526.8	526.7	526.4	526.4	526.0	525.9
170°	533.9	532.9	531.9	530.8	530.5	530.4	530.1	529.8	529.3	529.0	528.5
172.5°	536.7	535.8	534.7	533.5	533.5	533.3	533.0	532.9	532.3	532.0	531.9
175°	535.8	535.2	534.2	533.5	533.3	533.2	533.0	532.9	532.6	532.3	532.0
177.5°	538.2	537.7	537.0	536.5	536.4	536.4	536.2	536.1	536.1	535.9	535.8
180°	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6



TEST NUMBER: P1444410
CATALOG NUMBER: EHBR1-48-UNV-TA-L840-UPL36

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	41295.8	41295.8
2.5°	41455.8	41453.7
5°	41609.8	41607.4
7.5°	41727.1	41726.4
10°	41740.9	41748.1
12.5°	41657.7	41663.4
15°	41414.4	41425.8
17.5°	40949.5	40964.3
20°	40148.4	40164.0
22.5°	38851.2	38857.6
25°	36965.2	36938.4
27.5°	34394.0	34348.0
30°	31125.4	31080.8
32.5°	27228.4	27200.5
35°	22841.5	22824.0
37.5°	18223.0	18187.2
40°	13739.4	13635.0
42.5°	9806.8	9623.6
45°	6777.4	6560.2
47.5°	4731.3	4597.1
50°	3586.2	3542.9
52.5°	2922.2	2912.1
55°	2465.6	2461.2
57.5°	2122.4	2120.9
60°	1852.9	1852.5
62.5°	1652.0	1652.7
65°	1510.5	1510.8
67.5°	1385.9	1385.0
70°	1241.8	1240.8
72.5°	1142.7	1141.0
75°	1066.1	1065.1
77.5°	957.1	955.5
80°	825.3	823.0
82.5°	678.8	676.3
85°	506.3	506.4
87.5°	309.8	309.7
90°	144.7	141.5
92.5°	48.8	46.1
95°	55.9	52.5
97.5°	68.8	65.8
100°	87.9	85.4
102.5°	149.7	140.8
105°	261.9	237.6
107.5°	450.1	405.2
110°	783.3	747.1



TEST NUMBER: P1444410
CATALOG NUMBER: EHBR1-48-UNV-TA-L840-UPL36

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	1023.5	1007.0
115°	1069.0	1063.1
117.5°	1033.0	1033.5
120°	960.9	965.4
122.5°	873.7	879.0
125°	794.2	799.5
127.5°	727.5	730.8
130°	683.8	686.9
132.5°	650.0	651.6
135°	627.1	628.6
137.5°	607.9	609.2
140°	590.6	591.7
142.5°	571.0	571.6
145°	558.5	558.9
147.5°	547.3	547.7
150°	537.8	538.0
152.5°	527.3	527.5
155°	521.9	521.9
157.5°	519.0	518.8
160°	518.6	518.3
162.5°	518.4	518.1
165°	520.2	519.6
167.5°	525.4	525.3
170°	528.1	527.8
172.5°	531.4	531.1
175°	531.9	531.7
177.5°	535.8	535.5
180°	538.6	538.6



TEST NUMBER: P1444410
 CATALOG NUMBER: EHBR1-48-UNV-TA-L840-UPL36

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	17.69	18.76	18.20	19.23	19.74	16.07	17.13	16.57	17.61	18.12
	3H	19.24	20.19	19.76	20.68	21.24	18.50	19.45	19.02	19.94	20.50
	4H	20.03	20.92	20.57	21.42	22.00	19.62	20.50	20.16	21.01	21.58
	6H	20.80	21.62	21.35	22.14	22.72	20.66	21.47	21.21	21.99	22.58
	8H	21.12	21.89	21.68	22.43	23.02	21.10	21.87	21.66	22.41	23.00
	12H	21.36	22.10	21.93	22.63	23.24	21.45	22.18	22.02	22.72	23.33
4H	2H	18.07	18.95	18.61	19.46	20.03	16.78	17.67	17.32	18.17	18.75
	3H	19.94	20.67	20.49	21.23	21.82	19.41	20.14	19.96	20.69	21.28
	4H	20.95	21.60	21.51	22.17	22.79	20.66	21.32	21.23	21.88	22.51
	6H	21.90	22.47	22.49	23.06	23.70	21.84	22.41	22.44	23.00	23.64
	8H	22.29	22.82	22.89	23.40	24.05	22.34	22.87	22.94	23.46	24.11
	12H	22.60	23.07	23.21	23.68	24.34	22.76	23.22	23.37	23.84	24.49
8H	4H	21.32	21.85	21.92	22.44	23.09	21.08	21.61	21.67	22.19	22.84
	6H	22.48	22.91	23.11	23.54	24.20	22.43	22.86	23.06	23.49	24.15
	8H	22.99	23.37	23.63	24.02	24.69	23.03	23.41	23.68	24.06	24.73
	12H	23.42	23.75	24.06	24.38	25.12	23.55	23.89	24.20	24.52	25.26
12H	4H	21.37	21.83	21.98	22.45	23.11	21.13	21.60	21.75	22.22	22.87
	6H	22.59	22.98	23.24	23.62	24.29	22.54	22.93	23.19	23.57	24.24
	8H	23.18	23.52	23.82	24.14	24.88	23.21	23.55	23.85	24.17	24.92

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-1

Test Date: 07/30/2025

Luminaire Tested: EHBR-60-L840-N

Data in this report applies to families of products including EHBR-60-L840-N

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-1
 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-L840-N**
 Description: Elevate Round Highbay at, 60000 lumens, 4000K 80CRI LEDs with N lens

Spectral Parameters

CCT (K): 3898
 CIE u': 0.2263
 CIE v': 0.5052
 Duv: 0.0013
 CIE x: 0.3861
 CIE y: 0.3831
 CIE z: 0.2308
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 578
 Purity: 30.85729
 Rf: 80.7
 Rg: 102.1

CRI (Ra):	82.1		
R1:	84.4	R9:	38.5
R2:	83.5	R10:	58.9
R3:	80.8	R11:	83.6
R4:	83.9	R12:	54.2
R5:	82.1	R13:	82.8
R6:	77.3	R14:	88.2
R7:	86.4	R15:	81.2
R8:	78.3		



Test Conditions

Stabilization Time: 42M
 Operation Time: 1H 42M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-1

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

REPORT NUMBER: SP1-2506-472-1

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-1

Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)
360	0	NR	490	60	NR	620	277	NR	750	6	NR	880	0	NR
365	0	NR	495	87	NR	625	278	NR	755	5	NR	885	0	NR
370	0	NR	500	124	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	168	NR	635	623	NR	765	4	NR	895	0	NR
380	1	NR	510	209	NR	640	162	NR	770	3	NR	900	0	NR
385	1	NR	515	246	NR	645	158	NR	775	3	NR	905	0	NR
390	2	NR	520	273	NR	650	134	NR	780	2	NR	910	0	NR
395	4	NR	525	292	NR	655	109	NR	785	2	NR	915	0	NR
400	5	NR	530	305	NR	660	91	NR	790	2	NR	920	0	NR
405	7	NR	535	313	NR	665	75	NR	795	2	NR	925	0	NR
410	11	NR	540	319	NR	670	70	NR	800	1	NR	930	0	NR
415	21	NR	545	323	NR	675	56	NR	805	1	NR	935	0	NR
420	42	NR	550	326	NR	680	47	NR	810	1	NR	940	0	NR
425	76	NR	555	330	NR	685	41	NR	815	1	NR	945	0	NR
430	125	NR	560	333	NR	690	35	NR	820	1	NR	950	0	NR
435	193	NR	565	336	NR	695	30	NR	825	1	NR	955	0	NR
440	302	NR	570	336	NR	700	26	NR	830	1	NR	960	0	NR
445	432	NR	575	335	NR	705	22	NR	835	1	NR	965	0	NR
450	380	NR	580	332	NR	710	19	NR	840	0	NR	970	0	NR
455	213	NR	585	326	NR	715	16	NR	845	0	NR	975	0	NR
460	147	NR	590	319	NR	720	14	NR	850	0	NR	980	0	NR
465	104	NR	595	307	NR	725	12	NR	855	0	NR	985	0	NR
470	65	NR	600	299	NR	730	10	NR	860	0	NR	990	0	NR
475	50	NR	605	291	NR	735	9	NR	865	0	NR	995	0	NR
480	46	NR	610	317	NR	740	8	NR	870	0	NR	1000	0	NR
485	47	NR	615	336	NR	745	7	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-1

Scotopic Flux vs. Wavelength



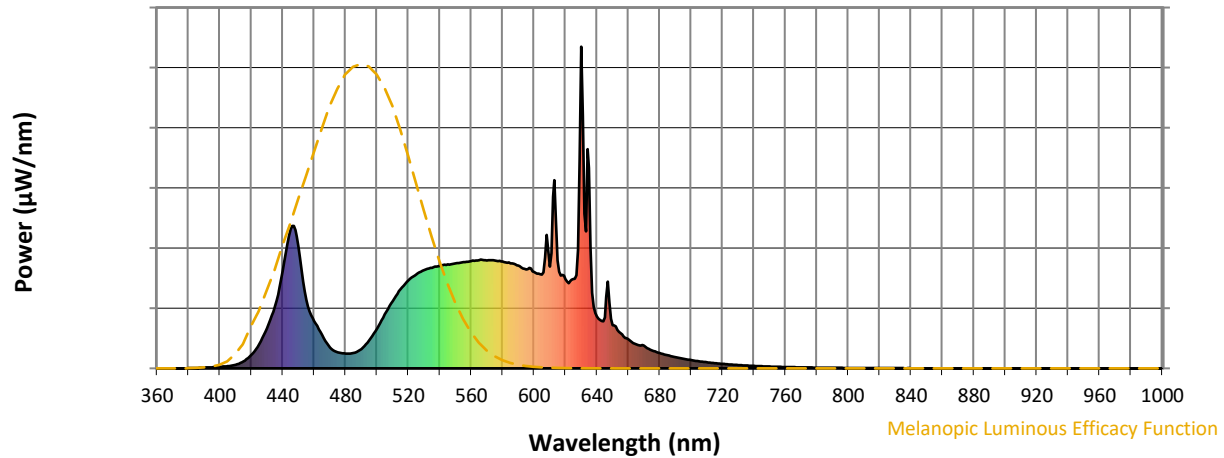
Scotopic Lumens: NR

S/P: 1.55

λ (nm)	Power W^{\wedge}/nm	Lumens (ϕ/nm)	λ (nm)	Power W^{\wedge}/nm	Lumens (ϕ/nm)	λ (nm)	Power W^{\wedge}/nm	Lumens (ϕ/nm)	λ (nm)	Power W^{\wedge}/nm	Lumens (ϕ/nm)	λ (nm)	Power W^{\wedge}/nm	Lumens (ϕ/nm)
360	0	NR	490	60	NR	620	277	NR	750	6	NR	880	0	NR
365	0	NR	495	87	NR	625	278	NR	755	5	NR	885	0	NR
370	0	NR	500	124	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	168	NR	635	623	NR	765	4	NR	895	0	NR
380	1	NR	510	209	NR	640	162	NR	770	3	NR	900	0	NR
385	1	NR	515	246	NR	645	158	NR	775	3	NR	905	0	NR
390	2	NR	520	273	NR	650	134	NR	780	2	NR	910	0	NR
395	4	NR	525	292	NR	655	109	NR	785	2	NR	915	0	NR
400	5	NR	530	305	NR	660	91	NR	790	2	NR	920	0	NR
405	7	NR	535	313	NR	665	75	NR	795	2	NR	925	0	NR
410	11	NR	540	319	NR	670	70	NR	800	1	NR	930	0	NR
415	21	NR	545	323	NR	675	56	NR	805	1	NR	935	0	NR
420	42	NR	550	326	NR	680	47	NR	810	1	NR	940	0	NR
425	76	NR	555	330	NR	685	41	NR	815	1	NR	945	0	NR
430	125	NR	560	333	NR	690	35	NR	820	1	NR	950	0	NR
435	193	NR	565	336	NR	695	30	NR	825	1	NR	955	0	NR
440	302	NR	570	336	NR	700	26	NR	830	1	NR	960	0	NR
445	432	NR	575	335	NR	705	22	NR	835	1	NR	965	0	NR
450	380	NR	580	332	NR	710	19	NR	840	0	NR	970	0	NR
455	213	NR	585	326	NR	715	16	NR	845	0	NR	975	0	NR
460	147	NR	590	319	NR	720	14	NR	850	0	NR	980	0	NR
465	104	NR	595	307	NR	725	12	NR	855	0	NR	985	0	NR
470	65	NR	600	299	NR	730	10	NR	860	0	NR	990	0	NR
475	50	NR	605	291	NR	735	9	NR	865	0	NR	995	0	NR
480	46	NR	610	317	NR	740	8	NR	870	0	NR	1000	0	NR
485	47	NR	615	336	NR	745	7	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.99

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	60	NR	620	277	NR	750	6	NR	880	0	NR
365	0	NR	495	87	NR	625	278	NR	755	5	NR	885	0	NR
370	0	NR	500	124	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	168	NR	635	623	NR	765	4	NR	895	0	NR
380	1	NR	510	209	NR	640	162	NR	770	3	NR	900	0	NR
385	1	NR	515	246	NR	645	158	NR	775	3	NR	905	0	NR
390	2	NR	520	273	NR	650	134	NR	780	2	NR	910	0	NR
395	4	NR	525	292	NR	655	109	NR	785	2	NR	915	0	NR
400	5	NR	530	305	NR	660	91	NR	790	2	NR	920	0	NR
405	7	NR	535	313	NR	665	75	NR	795	2	NR	925	0	NR
410	11	NR	540	319	NR	670	70	NR	800	1	NR	930	0	NR
415	21	NR	545	323	NR	675	56	NR	805	1	NR	935	0	NR
420	42	NR	550	326	NR	680	47	NR	810	1	NR	940	0	NR
425	76	NR	555	330	NR	685	41	NR	815	1	NR	945	0	NR
430	125	NR	560	333	NR	690	35	NR	820	1	NR	950	0	NR
435	193	NR	565	336	NR	695	30	NR	825	1	NR	955	0	NR
440	302	NR	570	336	NR	700	26	NR	830	1	NR	960	0	NR
445	432	NR	575	335	NR	705	22	NR	835	1	NR	965	0	NR
450	380	NR	580	332	NR	710	19	NR	840	0	NR	970	0	NR
455	213	NR	585	326	NR	715	16	NR	845	0	NR	975	0	NR
460	147	NR	590	319	NR	720	14	NR	850	0	NR	980	0	NR
465	104	NR	595	307	NR	725	12	NR	855	0	NR	985	0	NR
470	65	NR	600	299	NR	730	10	NR	860	0	NR	990	0	NR
475	50	NR	605	291	NR	735	9	NR	865	0	NR	995	0	NR
480	46	NR	610	317	NR	740	8	NR	870	0	NR	1000	0	NR
485	47	NR	615	336	NR	745	7	NR	875	0	NR			

Summary

$R_f = 80.7$
 $R_g = 102.1$
 CIE $R_a = 82.1$
 $R_9 = 38.5$

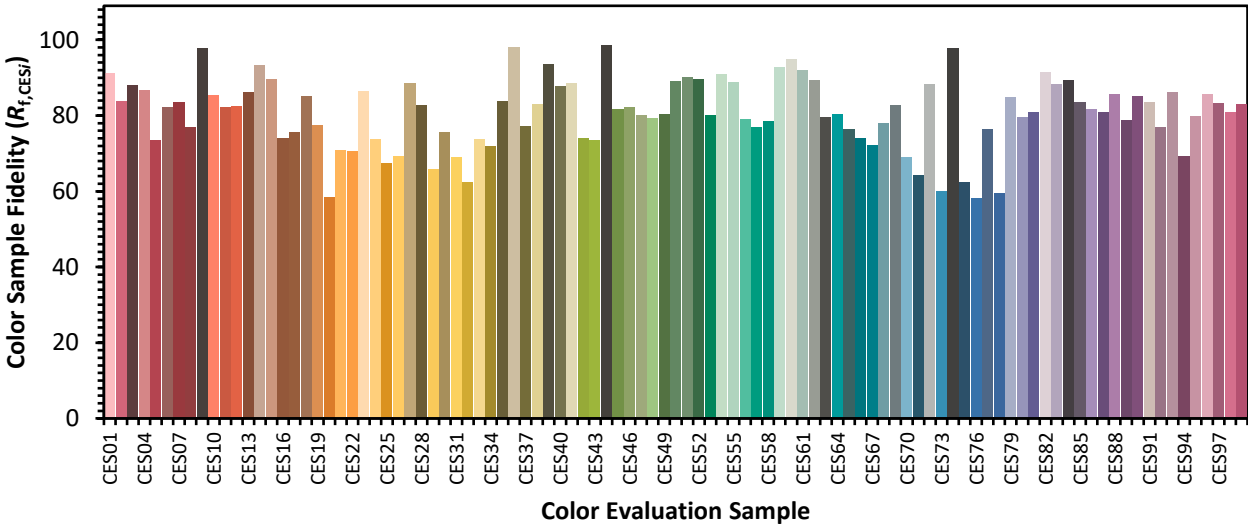


Color Vector Graphics



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

CES01 = 85	CES26 = 69	CES51 = 90	CES76 = 58
CES02 = 61	CES27 = 89	CES52 = 90	CES77 = 76
CES03 = 31	CES28 = 83	CES53 = 80	CES78 = 60
CES04 = 69	CES29 = 66	CES54 = 91	CES79 = 85
CES05 = 48	CES30 = 76	CES55 = 89	CES80 = 79
CES06 = 50	CES31 = 69	CES56 = 79	CES81 = 81
CES07 = 41	CES32 = 62	CES57 = 77	CES82 = 91
CES08 = 40	CES33 = 74	CES58 = 79	CES83 = 88
CES09 = 29	CES34 = 72	CES59 = 93	CES84 = 89
CES10 = 74	CES35 = 84	CES60 = 95	CES85 = 84
CES11 = 57	CES36 = 98	CES61 = 92	CES86 = 82
CES12 = 63	CES37 = 77	CES62 = 89	CES87 = 81
CES13 = 43	CES38 = 83	CES63 = 80	CES88 = 86
CES14 = 74	CES39 = 94	CES64 = 80	CES89 = 79
CES15 = 71	CES40 = 88	CES65 = 77	CES90 = 85
CES16 = 47	CES41 = 89	CES66 = 74	CES91 = 83
CES17 = 49	CES42 = 74	CES67 = 72	CES92 = 77
CES18 = 56	CES43 = 73	CES68 = 78	CES93 = 86
CES19 = 71	CES44 = 98	CES69 = 83	CES94 = 69
CES20 = 65	CES45 = 82	CES70 = 69	CES95 = 80
CES21 = 86	CES46 = 82	CES71 = 64	CES96 = 86
CES22 = 78	CES47 = 80	CES72 = 88	CES97 = 83
CES23 = 91	CES48 = 79	CES73 = 60	CES98 = 81
CES24 = 90	CES49 = 80	CES74 = 98	CES99 = 83
CES25 = 71	CES50 = 89	CES75 = 62	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)