

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: P1444775

Luminaire Tested: EHBR1-54-UNV-TA-L935-UPL36

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444775
REPORT IS A COMBINATION OF REPORTS P1444352 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-54-UNV-TA-L935-UPL36
Description: Elevate Round Highbay at, 54000 lumens, 3500K 90CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

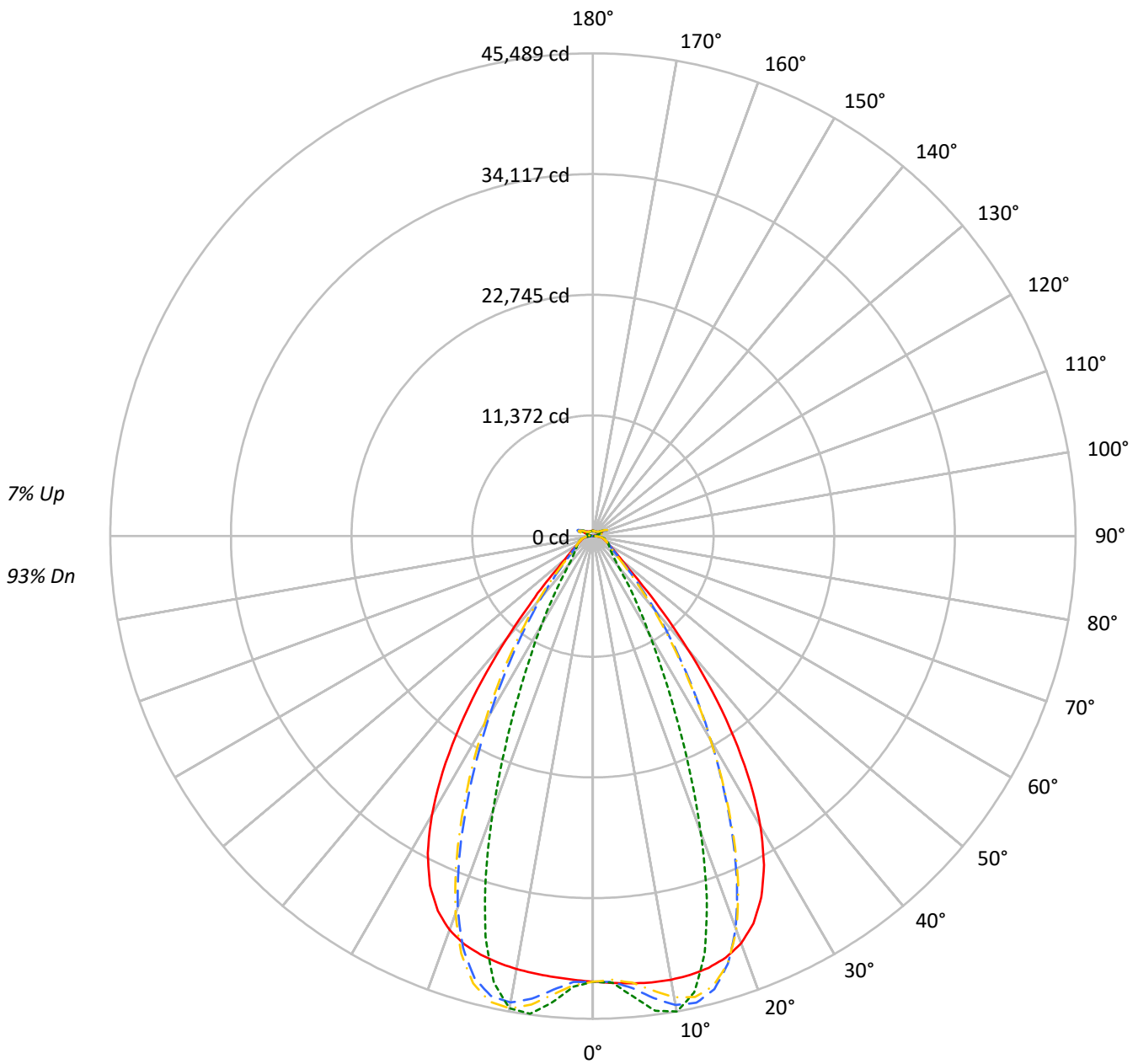
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 51951.7 lumens
Efficiency: N/A
Efficacy: 160.1 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): 324.4
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

TEST NUMBER: P1444775
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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	96	96	96	96	96	96	93
1	110	107	104	101	107	104	101	99	99	96	94	94	92	90	89	88	86	86	86	86	84
2	103	97	93	88	100	95	91	87	91	87	84	87	84	81	83	80	78	78	78	78	76
3	97	89	84	79	94	87	82	78	84	79	76	80	77	74	77	74	71	71	71	71	69
4	91	82	76	71	89	81	75	70	78	73	69	75	71	67	72	69	66	66	66	66	64
5	86	76	70	65	84	75	69	64	72	67	63	70	65	62	67	64	60	60	60	60	59
6	81	71	64	59	79	70	63	59	67	62	58	65	61	57	63	59	56	56	56	56	54
7	77	66	59	55	75	65	59	54	63	58	53	61	56	53	60	55	52	52	52	52	50
8	72	62	55	51	71	61	55	50	59	54	50	58	53	49	56	52	48	48	48	48	47
9	69	58	52	47	67	57	51	47	56	50	46	54	49	46	53	49	45	45	45	45	44
10	65	55	48	44	64	54	48	44	53	47	43	51	46	43	50	46	42	42	42	42	41

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	197191	197191	197191	197191
5°	198146	203924	195372	206595
10°	199800	214104	195008	212688
15°	200780	194084	194667	186269
20°	198704	144585	192201	133776
25°	188081	91442	181865	82967
30°	164303	54950	157939	50219
35°	126448	34481	119175	30544
40°	79990	21629	73184	20325
45°	41229	16850	40546	16574
50°	24172	14988	23431	14754
55°	18519	14180	17833	14052
60°	15668	14486	15002	14298
65°	14717	15127	14153	14611
70°	14378	15840	13661	15244
75°	15374	16798	14542	16057
80°	15909	18602	14424	16981
85°	14984	17946	12107	15368

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 63094 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4138.3	8.0
10°-20°	11641.3	22.4
20°-30°	13258.6	25.5
30°-40°	9529.6	18.3
40°-50°	4395.1	8.5
50°-60°	2103.2	4.0
60°-70°	1534.6	3.0
70°-80°	1165.9	2.2
80°-90°	536.2	1.0
90°-100°	105.0	0.2
100°-110°	594.1	1.1
110°-120°	1097.4	2.1
120°-130°	673.9	1.3
130°-140°	436.4	0.8
140°-150°	326.3	0.6
150°-160°	229.1	0.4
160°-170°	139.0	0.3
170°-180°	47.7	0.1
0°-30°	29038.1	55.9
0°-40°	38567.8	74.2
0°-60°	45066.1	86.7
0°-90°	48302.7	93.0
90°-120°	1796.5	3.5
90°-150°	3233.2	6.2
90°-180°	3649.0	7.0
0°-180°	51951.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	41990	41990	41990	41990	41990	
5°	42307	43541	41715	44111	42307	4043
15°	42123	40718	40840	39078	42123	11868
25°	37560	18261	36318	16568	37560	17027
35°	23208	6328	21873	5606	23208	14243
45°	6671	2726	6560	2682	6671	5673
55°	2503	1916	2410	1899	2503	2310
65°	1536	1579	1477	1525	1536	1534
75°	1083	1183	1024	1131	1083	1126
85°	515	617	416	528	515	484
90°	141	178	41	51	141	87
95°	48	53	48	54	48	46
105°	215	276	145	277	215	285
115°	958	1160	1004	1160	958	885
125°	724	756	819	757	724	660
135°	574	506	618	510	574	448
145°	515	496	547	503	515	325
155°	484	484	515	489	484	225
165°	485	483	502	487	485	138
175°	498	502	506	503	498	47
180°	504	504	504	504	504	



TEST NUMBER: P1444775
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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4
2.5°	42150.8	42147.4	42146.8	42143.9	42143.0	42143.0	42141.7	42138.2	42136.1	42131.3	42125.8
5°	42307.3	42305.4	42306.4	42306.8	42303.8	42297.3	42287.1	42274.5	42258.5	42243.6	42230.2
7.5°	42428.2	42431.2	42434.9	42434.1	42424.9	42409.5	42388.5	42376.7	42383.7	42406.5	42458.8
10°	42450.3	42468.3	42475.3	42473.1	42454.8	42441.6	42446.7	42491.2	42579.7	42697.9	42859.4
12.5°	42364.2	42386.3	42385.5	42378.2	42360.5	42378.5	42442.9	42575.4	42765.2	42998.2	43271.5
15°	42122.6	42151.2	42143.0	42133.6	42121.7	42181.0	42309.7	42539.7	42832.9	43161.5	43497.7
17.5°	41653.3	41687.9	41671.1	41660.3	41650.4	41761.5	41982.6	42319.4	42688.6	43060.3	43379.0
20°	40839.5	40862.6	40822.6	40803.8	40819.7	41037.4	41363.0	41793.2	42182.5	42533.8	42751.7
22.5°	39511.2	39540.0	39464.8	39456.1	39548.8	39883.3	40295.4	40776.2	41142.0	41420.5	41504.4
25°	37559.7	37588.0	37498.7	37552.1	37709.9	38165.3	38656.2	39170.5	39482.6	39688.9	39632.0
27.5°	34925.7	34951.5	34866.8	34975.8	35225.2	35823.7	36401.4	36959.3	37237.4	37382.0	37198.8
30°	31603.6	31657.3	31557.2	31709.3	32090.0	32867.1	33528.9	34154.6	34431.9	34541.9	34256.8
32.5°	27658.0	27734.4	27624.1	27850.3	28381.6	29315.0	30066.8	30765.9	31072.6	31198.2	30876.2
35°	23207.8	23317.4	23190.9	23530.4	24185.8	25225.1	26057.7	26838.1	27201.4	27379.4	27054.9
37.5°	18493.1	18597.5	18529.1	18982.1	19701.7	20779.0	21628.9	22470.8	22881.0	23148.2	22892.4
40°	13864.3	13959.8	14011.7	14529.7	15206.6	16222.0	17038.2	17871.3	18330.1	18665.6	18507.8
42.5°	9785.5	9881.8	10058.0	10557.8	11122.3	11962.8	12662.0	13409.9	13848.3	14206.1	14145.2
45°	6670.6	6782.4	7003.1	7412.4	7820.6	8423.6	8937.0	9518.7	9876.8	10204.5	10208.4
47.5°	4674.4	4753.0	4950.2	5229.7	5495.8	6250.7	6281.7	6567.5	6808.3	7053.2	7085.0
50°	3602.5	3649.8	3754.4	3910.2	4060.9	4256.8	4436.3	4643.4	4791.6	4925.9	4958.0
52.5°	2961.0	2991.1	3044.3	3128.6	3216.1	3322.7	3418.7	3532.4	3613.1	3685.0	3700.1
55°	2502.6	2527.5	2606.7	2622.6	2722.8	2742.0	2784.7	2853.9	2900.8	2943.8	2954.6
57.5°	2156.6	2174.6	2191.5	2227.4	2258.2	2303.1	2339.1	2388.8	2418.4	2449.4	2452.2
60°	1883.6	1896.7	1908.7	1933.6	1954.6	1985.8	2010.6	2044.4	2065.5	2088.9	2091.5
62.5°	1680.5	1689.9	1697.8	1714.3	1729.3	1753.2	1773.0	1801.1	1820.9	1838.9	1843.0
65°	1536.1	1543.0	1548.1	1560.6	1573.7	1594.1	1611.9	1634.9	1649.4	1663.3	1666.2
67.5°	1408.3	1414.8	1420.0	1431.4	1440.4	1455.7	1467.7	1484.9	1495.8	1506.9	1507.2
70°	1261.6	1267.7	1271.8	1282.4	1289.6	1302.7	1312.4	1328.0	1339.1	1351.4	1354.5
72.5°	1160.2	1163.7	1169.2	1178.9	1188.9	1203.0	1215.8	1232.1	1245.6	1258.3	1263.8
75°	1083.0	1087.1	1090.8	1099.0	1106.0	1117.9	1127.5	1142.2	1154.1	1167.8	1174.5
77.5°	971.6	976.4	979.5	987.7	993.8	1005.1	1012.3	1025.5	1035.2	1047.6	1053.7
80°	836.9	841.4	843.6	851.4	856.2	866.6	873.7	886.4	894.5	907.0	914.3
82.5°	687.7	692.1	693.3	700.6	703.2	711.8	716.9	730.0	740.0	756.2	767.4
85°	515.0	516.5	519.0	517.2	527.6	528.2	540.0	542.2	557.8	561.8	579.5
87.5°	314.9	319.5	321.8	329.0	332.1	339.2	341.4	349.0	353.3	362.0	366.1
90°	140.7	148.4	151.3	160.2	163.0	171.0	173.3	182.3	185.2	194.4	198.8
92.5°	42.2	45.0	47.5	50.7	53.3	56.9	60.0	63.1	65.8	69.3	74.9
95°	47.9	51.0	54.1	57.2	60.3	63.4	66.5	69.6	72.7	75.8	84.7
97.5°	60.0	62.7	65.3	68.1	70.7	73.4	76.0	78.8	81.4	84.0	94.7
100°	77.8	80.0	82.3	84.6	86.8	89.1	91.4	93.6	95.9	98.2	118.0
102.5°	127.7	135.8	143.7	151.8	159.8	167.7	175.8	183.7	191.7	199.8	241.9
105°	215.0	236.6	258.7	280.3	302.2	324.0	345.9	367.3	389.2	410.9	479.7
107.5°	365.8	405.9	446.4	486.7	527.1	567.4	607.8	647.9	688.2	728.2	798.0
110°	673.2	705.4	737.9	770.4	802.7	835.4	867.7	899.8	932.3	964.6	1015.5



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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°	907.1	921.7	936.3	951.1	965.7	980.1	994.7	1009.3	1023.9	1038.3	1074.6
115°	958.2	963.2	968.4	973.3	978.5	983.5	988.4	993.3	998.4	1003.1	1027.7
117.5°	932.3	931.2	930.2	929.3	928.1	927.0	925.9	924.7	923.5	922.2	936.0
120°	871.7	867.1	862.6	857.7	853.0	848.2	843.6	838.7	833.7	828.7	834.6
122.5°	794.9	789.4	784.2	778.4	772.7	766.8	761.3	755.2	749.5	743.7	745.6
125°	724.4	718.6	713.5	707.6	701.7	695.8	690.0	683.9	678.0	671.9	672.8
127.5°	663.5	659.6	655.6	651.3	647.0	642.7	638.2	633.7	629.4	624.6	624.6
130°	625.1	621.6	617.8	613.9	610.1	606.0	601.8	597.6	593.6	589.2	589.4
132.5°	594.3	591.8	589.1	586.2	583.2	579.9	576.9	573.3	570.3	567.0	567.3
135°	574.5	572.0	569.7	566.9	564.2	561.0	557.9	554.7	551.7	548.3	548.9
137.5°	558.0	555.9	553.6	550.9	548.3	545.3	542.6	539.4	536.5	533.5	533.8
140°	543.2	541.1	539.0	536.5	534.1	531.6	528.8	525.9	523.1	520.2	521.0
142.5°	525.9	524.1	522.6	520.5	518.6	516.2	513.9	511.4	509.2	506.6	507.8
145°	515.2	513.7	512.3	510.6	508.7	506.6	504.7	502.4	500.5	498.3	499.7
147.5°	505.7	504.5	503.6	501.9	500.7	498.7	497.0	495.0	493.4	491.6	493.0
150°	497.6	496.5	495.5	494.1	492.7	491.0	489.4	487.7	486.1	484.3	485.6
152.5°	488.7	487.4	486.6	485.2	483.9	482.1	480.9	479.1	477.6	475.9	477.1
155°	484.2	482.9	481.8	480.5	479.3	477.7	476.3	474.7	473.5	471.7	472.7
157.5°	482.0	480.9	480.1	478.7	477.9	476.6	475.6	474.2	473.1	471.9	472.5
160°	482.3	481.3	480.4	479.1	478.0	476.7	475.8	474.5	473.6	472.4	472.8
162.5°	482.8	481.7	480.6	479.5	478.5	477.2	476.3	475.3	474.2	472.9	473.6
165°	484.8	484.3	483.4	482.6	481.9	481.1	480.4	479.4	478.6	477.6	478.1
167.5°	490.6	489.6	488.9	488.0	487.0	486.1	485.2	484.2	483.4	482.3	482.7
170°	493.4	492.6	492.1	491.7	491.0	490.4	490.0	489.3	488.7	488.1	488.4
172.5°	496.8	496.1	495.9	495.6	494.9	494.6	494.1	493.7	493.4	492.8	493.4
175°	497.6	497.1	497.0	496.7	496.4	496.0	495.9	495.6	495.6	495.1	495.5
177.5°	501.1	501.0	501.0	500.8	500.8	500.7	500.5	500.2	500.0	500.0	500.4
180°	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4
2.5°	42121.7	42116.6	42109.6	42100.7	42093.1	42084.2	42063.2	42057.0	42064.0	42068.7	42078.3
5°	42221.8	42224.8	42225.9	42245.0	42261.5	42302.7	42625.8	42754.2	42853.5	42916.5	43012.2
7.5°	42523.6	42620.7	42716.7	42845.9	42957.3	43107.7	43673.0	43913.5	44084.6	44207.6	44358.8
10°	43035.0	43246.9	43445.6	43678.4	43878.6	44107.8	44633.9	44868.3	45016.3	45124.0	45224.6
12.5°	43550.0	43844.0	44109.7	44368.8	44585.4	44784.1	44969.2	45051.2	45058.2	45061.6	45008.2
15°	43818.3	44099.3	44333.5	44504.7	44632.1	44688.4	44369.9	44202.8	43991.5	43817.6	43531.3
17.5°	43649.0	43817.6	43918.7	43908.7	43856.2	43680.0	42777.6	42281.4	41788.8	41344.7	40762.5
20°	42896.3	42883.3	42795.4	42546.3	42246.1	41779.2	40232.3	39339.8	38476.9	37719.1	36799.7
22.5°	41495.8	41275.5	40968.3	40431.1	39834.3	39018.6	36801.9	35489.0	34287.8	33226.6	32037.8
25°	39466.6	39013.4	38446.8	37593.9	36666.5	35476.9	32744.6	31111.7	29669.4	28418.5	27046.9
27.5°	36869.8	36187.0	35356.5	34176.2	32919.7	31395.7	28366.6	26564.4	25016.1	23675.0	22215.1
30°	33795.4	32907.3	31835.0	30370.0	28854.4	27125.9	24053.6	22228.4	20661.2	19281.5	17820.5
32.5°	30321.0	29280.8	28024.3	26380.0	24741.0	22963.8	19996.7	18230.0	16732.9	15405.6	14083.3
35°	26488.9	25373.4	24044.1	22367.0	20737.8	19010.0	16287.5	14694.4	13372.4	12199.2	11131.4
37.5°	22378.4	21283.1	20019.6	18439.0	16928.2	15362.5	13013.3	11678.4	10569.1	9595.3	8770.8
40°	18104.6	17146.0	16052.8	14686.3	13397.0	12093.1	10164.8	9105.1	8229.6	7486.9	6869.2
42.5°	13883.0	13140.2	12301.9	11222.0	10235.4	9242.5	7758.4	6973.2	6324.7	5790.2	5353.4
45°	10072.6	9575.7	9013.4	8262.7	7580.0	6887.5	5831.1	5279.5	4857.1	4512.4	4221.0
47.5°	7041.3	6753.1	6735.5	6041.7	5541.0	5117.6	4437.1	4088.6	3829.9	3621.0	3436.4
50°	4944.8	4805.4	4632.2	4384.6	4152.3	3913.0	3498.3	3287.6	3136.1	3009.6	2892.8
52.5°	3696.6	3624.2	3532.0	3400.6	3274.7	3140.2	2877.8	2743.6	2696.0	2578.1	2485.7
55°	2952.6	2911.0	2858.7	2781.4	2704.8	2674.2	2449.4	2349.7	2286.7	2240.2	2190.5
57.5°	2452.6	2421.6	2390.5	2338.2	2293.8	2240.2	2120.8	2069.8	2032.3	2004.9	1970.5
60°	2092.0	2073.5	2056.1	2025.4	2001.4	1972.5	1896.7	1867.9	1848.3	1831.8	1809.8
62.5°	1846.5	1836.9	1827.9	1811.6	1799.4	1783.7	1731.9	1718.0	1708.2	1700.0	1686.6
65°	1669.2	1662.4	1657.4	1646.4	1640.4	1631.2	1586.7	1577.4	1571.3	1568.3	1560.6
67.5°	1508.1	1501.0	1497.7	1489.9	1487.5	1481.7	1445.2	1440.2	1438.1	1439.1	1436.3
70°	1357.5	1354.5	1356.0	1354.9	1358.2	1359.3	1337.3	1337.1	1339.5	1344.1	1344.5
72.5°	1267.2	1267.2	1269.0	1269.7	1272.9	1274.6	1256.2	1255.3	1256.4	1259.8	1259.9
75°	1181.3	1182.8	1187.4	1188.9	1192.8	1193.6	1169.3	1166.5	1166.7	1170.0	1168.9
77.5°	1062.4	1067.6	1076.4	1081.1	1088.6	1090.0	1062.8	1059.5	1059.6	1062.9	1060.1
80°	927.5	937.3	951.5	961.3	972.8	977.5	949.5	942.8	936.5	935.6	930.0
82.5°	784.2	796.1	813.2	821.9	834.3	837.1	790.2	781.3	776.1	776.5	771.4
85°	598.6	607.7	623.1	628.1	635.7	635.1	581.6	558.7	564.7	555.2	562.7
87.5°	375.5	380.8	390.4	391.7	395.3	394.5	340.7	330.1	327.0	327.1	323.2
90°	209.0	214.1	224.0	225.7	232.8	233.6	191.5	188.1	182.9	183.7	176.9
92.5°	80.8	86.1	92.0	97.4	103.2	108.9	109.6	113.7	108.4	102.3	97.2
95°	93.7	102.8	111.8	120.9	130.0	139.0	148.1	157.2	148.7	140.2	131.7
97.5°	105.4	116.1	126.6	137.4	148.1	158.8	169.5	180.2	171.1	161.7	152.6
100°	138.0	158.0	177.8	197.8	217.6	237.5	257.6	277.5	260.0	242.3	224.7
102.5°	284.1	326.6	369.0	411.2	453.4	495.9	538.5	581.0	540.6	500.2	459.8
105°	548.3	616.9	685.5	753.9	822.6	891.2	960.3	1029.0	964.5	900.1	835.6
107.5°	867.5	937.2	1006.6	1076.1	1145.8	1215.3	1285.6	1355.2	1292.3	1229.3	1166.4
110°	1066.2	1116.9	1167.7	1218.3	1269.0	1319.7	1371.4	1422.2	1384.3	1346.4	1308.6



TEST NUMBER: P1444775
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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°	1110.6	1147.1	1183.2	1219.3	1255.3	1291.5	1329.0	1365.6	1346.4	1327.1	1308.3
115°	1051.9	1076.4	1100.6	1124.9	1149.2	1173.3	1199.4	1224.2	1217.8	1211.5	1205.3
117.5°	949.4	962.8	976.4	989.8	1003.1	1016.4	1032.2	1046.0	1046.7	1047.5	1048.5
120°	840.2	845.7	851.2	856.8	862.1	867.5	875.7	881.7	886.6	891.2	896.1
122.5°	747.6	749.5	751.3	753.3	755.1	756.8	761.8	764.3	767.5	770.7	773.9
125°	673.5	674.3	675.0	675.8	676.3	677.1	681.4	682.6	682.6	682.5	682.4
127.5°	624.6	624.5	624.3	624.2	623.7	623.6	627.2	627.7	625.2	622.8	620.1
130°	589.6	589.8	589.8	589.9	590.2	590.4	594.5	595.6	591.5	587.0	583.0
132.5°	567.5	567.9	567.9	568.5	568.8	569.0	573.6	575.0	570.4	565.3	560.6
135°	549.2	549.8	550.3	550.7	551.2	552.0	557.1	558.6	554.2	549.3	544.9
137.5°	534.2	534.7	535.3	536.0	536.5	537.1	542.8	544.5	541.0	536.9	533.4
140°	521.6	522.3	523.1	524.0	524.8	525.9	531.9	534.0	531.3	528.1	525.0
142.5°	508.7	510.2	511.4	512.9	514.1	515.7	522.9	525.4	523.2	520.8	518.6
145°	500.8	502.7	504.0	505.8	507.4	509.3	517.2	520.4	519.0	517.2	515.8
147.5°	493.9	495.4	496.8	498.3	499.8	501.9	510.3	513.3	512.5	511.4	510.4
150°	486.8	488.4	489.8	491.4	493.2	495.1	504.6	508.2	507.4	506.5	505.5
152.5°	478.3	479.6	481.0	482.4	483.9	485.7	497.0	500.8	500.2	499.1	498.5
155°	473.6	474.5	475.5	476.6	477.7	479.3	491.4	495.1	494.7	494.1	493.6
157.5°	473.0	473.6	474.0	474.7	475.6	476.5	489.1	493.0	492.4	492.0	491.5
160°	473.1	473.6	473.8	474.5	474.8	475.6	488.5	492.1	491.8	491.2	490.7
162.5°	474.1	475.1	475.6	476.2	476.9	477.9	491.0	495.1	494.3	493.7	493.0
165°	478.4	478.5	478.8	479.4	479.6	480.2	492.5	495.8	495.5	494.9	494.4
167.5°	483.0	483.5	483.8	484.3	484.8	485.5	497.0	500.2	499.9	499.3	498.9
170°	488.6	489.1	489.3	489.9	490.4	491.0	500.6	503.3	502.9	502.1	501.6
172.5°	493.8	494.4	494.9	495.5	496.0	496.7	504.8	507.4	507.0	506.5	505.7
175°	495.9	496.1	496.7	497.3	497.8	498.1	504.6	506.5	506.3	505.9	505.6
177.5°	500.7	501.0	501.4	501.8	502.2	502.7	506.5	507.6	507.5	507.5	507.4
180°	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1



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CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4
2.5°	42080.5	42095.3	42097.4	42114.8	42113.3	42133.9	42130.6	42147.4	42137.6	42151.5	42139.8
5°	43068.9	43158.5	43205.3	43292.8	43320.5	43398.8	43420.9	43492.3	43495.3	43551.9	43539.0
7.5°	44466.1	44598.3	44676.8	44784.9	44839.6	44929.8	44969.4	45036.0	45057.5	45110.4	45114.5
10°	45300.6	45364.8	45409.5	45439.7	45467.3	45480.2	45495.3	45491.3	45495.3	45489.4	45502.3
12.5°	44972.4	44878.7	44816.8	44699.4	44631.5	44501.8	44438.1	44313.5	44268.2	44161.2	44145.8
15°	43310.2	42983.7	42753.1	42417.6	42206.7	41876.7	41683.5	41385.8	41249.8	41013.1	40951.0
17.5°	40280.6	39674.6	39205.5	38603.9	38186.4	37624.2	37270.5	36805.1	36550.2	36174.9	36044.9
20°	36033.2	35136.5	34433.0	33594.9	32995.2	32247.9	31769.5	31166.1	30815.8	30354.9	30168.0
22.5°	31046.7	29930.3	29051.6	28061.5	27337.9	26505.1	25932.0	25279.2	24898.0	24397.2	24175.5
25°	25907.0	24675.8	23699.0	22655.9	21891.3	21056.5	20483.2	19841.9	19447.6	18972.1	18751.8
27.5°	20991.3	19745.1	18801.1	17831.3	17129.9	16376.6	15859.4	15299.5	14949.4	14543.6	14336.3
30°	16653.3	15554.2	14750.9	13946.0	13362.6	12750.9	12321.0	11857.0	11549.9	11202.4	11004.9
32.5°	13119.2	12270.6	11641.6	11002.9	10525.5	10014.2	9642.8	9233.3	8956.2	8645.8	8467.0
35°	10390.2	9730.9	9229.1	8703.5	8293.2	7857.8	7530.5	7177.1	6928.4	6661.2	6506.8
37.5°	8209.3	7685.0	7272.2	6835.5	6498.6	6137.8	6016.3	5610.8	5353.1	5139.9	4992.2
40°	6442.7	6025.8	5684.2	5350.2	5075.4	4801.8	4582.3	4365.6	4199.3	4046.8	3941.3
42.5°	5031.2	4729.2	4479.7	4235.1	4034.6	3835.3	3676.3	3527.0	3415.0	3315.2	3247.2
45°	3999.6	3791.9	3618.5	3446.2	3304.7	3171.7	3064.7	2969.4	2897.1	2837.2	2794.7
47.5°	3285.8	3143.5	3021.2	2905.0	2809.0	2721.8	2650.1	2626.7	2549.0	2496.5	2476.5
50°	2792.5	2706.6	2613.7	2527.9	2463.8	2400.0	2353.5	2307.9	2278.8	2254.7	2247.3
52.5°	2424.2	2358.6	2307.0	2252.6	2210.3	2164.9	2132.8	2102.4	2086.5	2073.8	2072.2
55°	2150.5	2104.6	2070.4	2034.0	2008.6	1982.0	1965.4	1949.3	1942.4	1935.9	1936.4
57.5°	1943.4	1912.7	1890.5	1866.9	1853.2	1840.4	1836.1	1832.1	1834.3	1835.2	1838.9
60°	1792.4	1772.5	1758.6	1745.0	1739.2	1735.2	1738.2	1741.9	1749.2	1755.1	1760.4
62.5°	1676.8	1665.5	1658.6	1651.3	1650.7	1651.0	1657.2	1663.3	1672.4	1679.3	1684.4
65°	1557.8	1551.3	1549.1	1544.4	1546.7	1548.1	1555.6	1560.2	1569.4	1574.9	1581.5
67.5°	1437.4	1435.9	1437.3	1437.3	1441.5	1445.1	1452.3	1457.6	1465.4	1470.3	1475.6
70°	1348.6	1349.3	1352.5	1353.1	1357.7	1360.1	1366.4	1369.7	1376.8	1381.0	1387.4
72.5°	1262.2	1260.9	1261.6	1259.6	1261.2	1260.5	1264.0	1265.7	1271.6	1274.8	1282.6
75°	1170.3	1166.4	1165.4	1161.3	1161.4	1158.5	1159.8	1159.6	1163.5	1165.2	1170.7
77.5°	1059.1	1052.6	1049.5	1042.6	1042.4	1039.7	1042.6	1044.2	1051.1	1054.3	1060.7
80°	926.3	916.0	911.3	903.2	904.6	904.2	911.0	916.1	924.5	926.1	934.2
82.5°	769.8	759.4	754.4	746.5	748.4	748.5	754.8	755.9	763.1	766.3	775.6
85°	551.2	555.2	544.3	545.0	542.6	547.0	551.2	556.5	562.6	572.7	580.5
87.5°	324.6	323.2	327.1	327.5	333.2	336.2	345.1	350.3	360.4	368.3	382.7
90°	175.8	169.2	170.9	167.8	171.8	168.8	172.7	169.1	174.0	173.5	180.2
92.5°	90.8	85.6	79.3	73.9	67.8	62.6	59.3	57.2	53.9	51.9	48.6
95°	123.3	114.8	106.4	97.9	89.5	81.0	77.9	74.9	71.8	68.7	65.5
97.5°	143.6	134.5	125.4	116.3	107.2	98.2	96.1	94.1	92.0	89.9	87.9
100°	207.0	189.5	172.0	154.3	136.8	119.3	117.6	116.0	114.4	112.7	111.0
102.5°	419.6	379.3	339.1	298.8	258.7	218.3	211.4	204.4	197.3	190.3	183.4
105°	771.1	706.7	642.3	577.9	513.6	449.2	430.1	410.6	391.4	372.2	353.1
107.5°	1103.5	1040.6	977.8	915.1	852.3	789.5	759.1	728.8	698.2	668.0	637.6
110°	1270.5	1232.7	1195.1	1157.0	1119.5	1081.8	1052.6	1023.8	994.6	965.6	936.8



TEST NUMBER: P1444775
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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°	1289.2	1270.1	1251.0	1232.1	1213.3	1194.3	1180.0	1165.9	1151.8	1137.6	1123.2
115°	1198.9	1192.7	1186.5	1180.5	1174.4	1168.3	1167.2	1166.2	1164.9	1163.9	1163.0
117.5°	1049.3	1050.1	1050.8	1051.9	1052.9	1053.9	1061.2	1068.5	1076.0	1083.6	1091.3
120°	900.8	905.5	910.2	915.3	920.1	925.1	934.8	944.8	954.7	965.1	975.2
122.5°	777.0	780.2	783.2	786.7	789.9	793.2	802.8	812.7	822.5	832.6	842.7
125°	681.7	681.7	681.4	681.0	680.8	680.9	688.6	696.5	704.7	713.0	721.1
127.5°	617.5	614.8	612.0	609.5	606.8	604.4	608.7	613.4	617.8	622.6	627.5
130°	578.5	574.2	569.5	565.5	560.9	556.8	558.2	559.7	561.4	563.1	564.9
132.5°	555.5	550.6	545.5	540.4	535.5	530.5	529.9	529.5	528.8	528.8	528.8
135°	540.0	535.5	530.5	525.8	520.7	516.2	514.6	513.1	511.5	510.3	509.0
137.5°	529.5	525.6	521.7	518.0	513.8	510.1	507.7	506.0	503.9	502.5	500.6
140°	521.8	518.9	515.4	512.3	509.0	506.1	504.1	502.7	500.8	499.5	497.9
142.5°	516.1	513.7	511.3	508.9	506.5	504.1	502.3	500.8	499.1	497.8	496.2
145°	514.1	512.5	510.8	509.2	507.5	505.8	504.3	503.1	501.8	500.7	499.7
147.5°	509.3	508.1	507.0	505.8	504.6	503.4	502.3	501.7	500.5	499.8	498.9
150°	504.4	503.4	502.3	501.4	500.1	499.2	498.4	497.8	497.1	496.8	496.1
152.5°	497.4	496.5	495.5	494.8	493.5	492.6	492.0	491.6	491.0	490.6	489.9
155°	492.8	492.1	491.4	490.8	489.8	489.3	488.6	487.8	487.2	486.5	485.8
157.5°	490.9	490.2	489.4	489.0	488.1	487.4	486.8	486.2	485.4	484.9	484.2
160°	490.1	489.6	488.9	488.2	487.6	487.0	486.1	485.3	484.3	483.7	482.7
162.5°	492.1	491.3	490.7	489.8	488.8	488.1	487.3	486.8	486.2	485.5	484.7
165°	493.8	493.1	492.5	491.9	491.4	490.8	489.9	489.2	488.1	487.5	486.5
167.5°	498.3	497.8	497.2	496.8	496.0	495.4	494.8	493.9	493.0	492.2	491.1
170°	501.1	500.3	499.7	498.8	498.2	497.4	496.8	495.9	495.0	494.6	493.5
172.5°	505.3	504.9	504.3	503.7	502.9	502.4	501.9	501.2	500.6	499.8	499.3
175°	505.5	505.4	505.2	504.7	504.6	504.2	503.9	503.7	503.5	503.3	502.8
177.5°	507.4	507.2	507.2	506.9	506.7	506.7	506.4	506.2	505.8	505.5	505.3
180°	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1



TEST NUMBER: P1444775
 CATALOG NUMBER: EHBR1-54-UNV-TA-L935-UPL36

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4
2.5°	42151.9	42141.2	42146.3	42126.5	42131.3	42107.4	42105.2	42078.3	42075.7	42050.3	42040.8
5°	43579.1	43555.6	43582.1	43540.9	43548.9	43495.3	43490.7	43421.3	43397.4	43310.6	43273.0
7.5°	45147.6	45138.8	45154.9	45120.4	45119.3	45071.4	45051.6	44989.4	44950.8	44859.6	44801.4
10°	45491.3	45499.4	45486.1	45489.4	45470.7	45465.5	45446.4	45434.3	45403.0	45379.4	45344.6
12.5°	44064.4	44072.9	44018.5	44053.0	44025.8	44089.5	44084.3	44159.3	44170.9	44265.7	44301.7
15°	40766.6	40756.4	40651.9	40717.7	40682.4	40822.2	40853.4	41041.4	41142.0	41383.3	41531.6
17.5°	35784.9	35757.9	35610.8	35691.0	35650.2	35856.3	35925.3	36226.1	36413.6	36802.5	37079.6
20°	29846.3	29794.8	29622.7	29716.5	29674.5	29908.6	30007.2	30370.6	30612.4	31127.6	31494.0
22.5°	23834.0	23752.6	23584.1	23671.8	23632.1	23874.5	24002.9	24367.5	24644.5	25173.3	25601.2
25°	18435.1	18362.6	18199.6	18260.9	18246.1	18451.2	18565.5	18910.4	19182.5	19686.3	20094.6
27.5°	14060.9	13985.4	13838.2	13881.6	13866.7	14041.4	14149.1	14437.2	14671.4	15095.5	15454.0
30°	10761.6	10670.5	10545.7	10569.6	10559.4	10701.0	10801.5	11044.2	11244.9	11603.3	11912.2
32.5°	8248.7	8157.2	8042.5	8053.7	8038.6	8149.7	8232.5	8443.5	8618.5	8923.2	9192.1
35°	6311.4	6418.3	6173.4	6328.5	6166.9	6404.1	6318.8	6450.7	6601.2	6857.9	7082.1
37.5°	4851.9	4777.4	4714.4	4707.7	4707.4	4762.3	4827.2	4954.2	5086.8	5278.1	5475.7
40°	3844.9	3792.6	3751.8	3748.9	3751.8	3790.9	3838.8	3926.7	4023.7	4161.1	4306.3
42.5°	3189.0	3154.3	3129.7	3128.0	3135.8	3163.5	3196.8	3248.9	3312.1	3401.1	3500.7
45°	2760.1	2740.8	2727.1	2726.3	2730.0	2744.4	2763.5	2796.0	2836.1	2891.6	2954.6
47.5°	2459.1	2454.4	2445.9	2446.2	2442.3	2448.3	2450.4	2468.7	2490.0	2531.8	2614.1
50°	2240.0	2240.0	2234.1	2233.8	2228.2	2227.8	2223.2	2230.4	2240.4	2266.3	2292.7
52.5°	2066.8	2066.2	2059.8	2058.5	2052.7	2052.3	2048.3	2051.1	2052.5	2065.5	2081.3
55°	1931.4	1927.4	1919.0	1916.3	1914.0	1917.4	1915.9	1916.0	1914.3	1919.8	1924.4
57.5°	1834.3	1829.1	1821.1	1818.7	1818.1	1822.2	1822.4	1820.9	1813.7	1808.7	1801.6
60°	1757.5	1752.1	1743.6	1741.4	1742.7	1748.2	1747.9	1743.2	1732.4	1722.8	1711.9
62.5°	1682.0	1679.8	1675.4	1674.8	1673.7	1674.6	1670.7	1665.7	1655.0	1644.9	1632.9
65°	1580.6	1581.7	1578.5	1578.9	1575.0	1574.4	1568.5	1563.7	1552.8	1543.6	1531.3
67.5°	1475.4	1476.2	1473.6	1473.6	1471.5	1471.9	1468.3	1463.8	1454.6	1447.1	1437.6
70°	1388.8	1390.9	1389.4	1389.9	1387.4	1386.4	1380.8	1376.4	1367.0	1360.8	1352.2
72.5°	1285.0	1289.6	1289.4	1290.6	1286.8	1285.0	1278.3	1272.8	1264.2	1259.3	1252.5
75°	1172.9	1179.0	1180.7	1183.3	1178.0	1175.2	1167.9	1163.5	1156.6	1153.7	1149.1
77.5°	1063.5	1070.2	1076.6	1082.5	1073.9	1066.3	1057.1	1050.2	1040.2	1036.3	1029.3
80°	940.8	952.6	966.7	978.6	963.2	947.6	932.5	921.3	908.1	902.6	893.9
82.5°	780.4	792.6	800.7	808.3	797.6	786.2	771.6	761.8	747.4	742.2	732.0
85°	592.9	608.1	612.9	616.8	610.1	604.0	590.3	571.7	562.7	548.6	541.3
87.5°	390.0	399.1	400.7	402.1	398.0	395.0	386.1	377.4	362.0	350.7	337.1
90°	178.1	182.4	177.3	177.8	174.1	176.3	168.9	167.7	156.6	153.5	143.8
92.5°	46.3	43.1	40.6	37.8	41.2	43.2	46.6	48.6	51.8	53.9	57.2
95°	62.4	59.4	56.3	53.2	55.6	58.2	60.6	63.1	65.6	68.1	70.5
97.5°	85.8	83.7	81.8	79.7	81.1	82.6	84.0	85.5	86.8	88.3	89.8
100°	109.4	107.8	106.1	104.5	104.5	104.5	104.5	104.5	104.5	104.5	104.5
102.5°	176.4	169.3	162.3	155.3	160.1	164.8	169.6	174.3	179.0	183.7	188.7
105°	333.9	314.8	295.6	276.4	295.0	313.5	332.1	350.6	369.1	387.9	406.5
107.5°	607.1	576.9	546.6	516.3	550.3	584.0	617.8	651.7	685.4	719.2	753.3
110°	908.0	879.0	850.2	821.4	857.2	893.1	928.9	964.8	1000.8	1036.7	1072.7



TEST NUMBER: P1444775
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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°	1109.3	1095.2	1081.3	1067.2	1090.3	1113.3	1136.4	1159.8	1182.9	1206.1	1229.3
115°	1162.0	1161.2	1160.4	1159.6	1170.4	1181.4	1192.3	1203.4	1214.4	1225.4	1236.6
117.5°	1098.8	1106.4	1114.3	1122.1	1125.7	1129.1	1132.8	1136.4	1140.1	1143.8	1147.6
120°	985.5	995.6	1006.1	1016.6	1015.2	1013.7	1012.5	1011.0	1010.1	1008.8	1008.0
122.5°	852.9	863.1	873.6	883.9	880.9	877.8	874.9	872.0	869.3	866.5	863.9
125°	729.8	738.2	746.8	755.6	752.5	749.4	746.5	743.8	741.1	738.3	736.0
127.5°	632.7	637.9	643.0	648.4	646.9	645.5	644.5	643.2	642.3	641.5	640.9
130°	566.9	569.2	571.6	573.9	574.3	574.7	575.5	576.2	577.2	578.1	579.5
132.5°	529.1	529.1	529.7	530.0	531.7	533.3	535.5	537.4	539.8	541.9	544.9
135°	508.2	507.3	506.6	506.2	508.6	510.9	513.7	516.5	519.7	523.0	526.4
137.5°	499.4	498.0	497.1	495.9	498.3	500.7	503.6	506.4	509.4	512.6	516.2
140°	496.8	495.6	494.9	493.9	496.3	498.7	501.5	504.2	507.4	510.6	514.0
142.5°	495.3	493.9	493.2	492.4	494.4	496.7	499.4	501.8	504.7	507.5	510.6
145°	498.7	497.7	497.1	496.5	497.9	499.6	501.5	503.4	505.5	507.5	510.1
147.5°	498.3	497.7	497.4	496.8	498.1	499.2	500.6	501.8	503.6	505.1	507.0
150°	496.0	495.5	495.2	495.0	495.8	496.4	497.4	498.0	499.2	500.2	501.7
152.5°	489.8	489.1	489.3	489.1	489.5	490.1	491.0	491.7	492.6	493.4	494.8
155°	485.4	485.0	484.5	484.1	484.2	484.3	484.7	484.8	485.3	485.6	486.2
157.5°	483.8	483.3	482.9	482.3	482.2	482.0	482.0	481.9	482.2	481.8	482.0
160°	482.3	481.2	480.5	479.9	480.0	479.7	480.1	479.8	480.1	480.2	480.4
162.5°	484.3	483.6	483.2	482.5	482.3	481.6	481.3	480.7	480.4	480.1	479.9
165°	485.7	484.9	484.2	483.3	483.1	482.8	482.6	482.3	482.3	481.9	482.1
167.5°	490.7	489.7	489.0	488.1	487.7	486.9	486.4	485.8	485.3	484.8	484.5
170°	493.0	492.2	491.7	491.0	490.7	490.2	490.1	489.6	489.4	489.3	489.3
172.5°	498.8	498.1	497.6	497.1	496.8	496.5	496.3	496.1	495.9	495.9	495.7
175°	502.7	502.4	502.2	501.9	501.6	501.4	500.9	500.7	500.6	500.3	500.0
177.5°	504.7	504.4	504.2	504.0	503.8	503.8	503.8	503.8	503.8	503.6	503.6
180°	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1



TEST NUMBER: P1444775
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CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4
2.5°	42013.6	42002.6	41973.5	41959.1	41932.2	41918.6	41897.7	41884.1	41867.1	41854.6	41848.0
5°	43177.6	43124.0	43016.3	42949.9	42833.7	42757.2	42641.7	42557.0	42437.8	42349.9	42237.2
7.5°	44692.2	44609.7	44471.8	44367.2	44204.6	44080.2	43897.7	43751.7	43550.0	43382.6	43176.5
10°	45308.8	45260.6	45198.7	45131.5	45041.4	44952.9	44828.3	44701.3	44532.0	44363.6	44143.6
12.5°	44397.4	44442.7	44532.0	44573.7	44642.1	44665.3	44696.5	44681.8	44654.2	44585.4	44485.6
15°	41816.4	42005.5	42304.3	42510.9	42800.6	43004.0	43273.0	43446.2	43645.7	43764.9	43878.2
17.5°	37570.8	37936.5	38463.7	38884.3	39449.1	39908.2	40470.8	40912.7	41423.0	41814.6	42231.3
20°	32132.7	32644.9	33372.7	33990.9	34809.1	35503.0	36391.9	37136.6	38005.3	38729.3	39510.9
22.5°	26279.9	26882.4	27716.4	28461.9	29439.0	30311.8	31425.6	32410.1	33584.5	34636.5	35800.3
25°	20758.5	21348.9	22198.4	22970.5	24025.3	24986.8	26203.5	27333.1	28695.8	29966.6	31425.6
27.5°	16023.5	16548.0	17294.8	17989.7	18955.8	19899.6	21134.5	22339.0	23793.1	25158.9	26731.1
30°	12374.7	12800.2	13398.5	13957.6	14733.1	15505.0	16604.9	17718.9	19165.9	20581.1	22193.0
32.5°	9590.0	9952.8	10452.3	10906.1	11503.7	12085.7	12895.7	13785.9	15055.1	16410.7	17969.3
35°	7423.7	7734.1	8159.2	8550.1	9041.6	9503.7	10108.1	10743.4	11712.0	12852.3	14247.1
37.5°	5918.6	6045.1	6348.6	6668.9	7077.1	7456.7	7929.6	8399.3	9092.3	9992.0	11131.4
40°	4501.0	4701.9	4948.9	5201.2	5510.2	5814.8	6333.5	6583.2	7039.5	7685.4	8569.8
42.5°	3631.8	3773.0	3946.9	4122.3	4337.6	4549.8	4812.2	5079.3	5420.5	5857.9	6487.0
45°	3039.1	3131.3	3243.3	3360.2	3501.6	3646.3	3822.1	4005.5	4236.6	4505.5	4887.6
47.5°	2643.2	2694.2	2767.3	2847.1	2944.0	3044.3	3158.5	3275.4	3419.0	3578.5	3796.1
50°	2334.2	2376.7	2433.5	2486.8	2553.8	2656.5	2701.8	2766.3	2852.7	2946.6	3068.2
52.5°	2110.6	2138.8	2174.5	2205.2	2247.5	2285.9	2336.3	2380.8	2440.7	2496.9	2575.5
55°	1936.4	1946.7	1966.9	1986.7	2015.9	2042.2	2076.8	2105.9	2144.0	2177.7	2227.2
57.5°	1802.0	1802.9	1812.2	1822.4	1841.3	1857.8	1881.6	1900.8	1927.2	1948.7	1978.4
60°	1705.3	1700.2	1702.0	1705.6	1716.2	1726.9	1742.1	1754.7	1771.2	1783.4	1800.1
62.5°	1624.9	1616.7	1614.9	1614.0	1619.2	1623.1	1631.4	1637.5	1647.0	1652.2	1661.1
65°	1523.3	1513.8	1510.0	1505.6	1507.2	1506.0	1509.0	1509.2	1514.0	1515.1	1520.3
67.5°	1431.1	1423.1	1418.3	1412.4	1409.8	1405.5	1403.7	1399.6	1399.0	1395.7	1394.8
70°	1347.1	1339.3	1335.2	1329.8	1327.0	1321.3	1318.0	1311.1	1307.1	1300.7	1297.1
72.5°	1249.8	1245.5	1244.2	1240.5	1239.5	1236.4	1235.1	1230.2	1227.4	1221.9	1218.8
75°	1148.1	1144.6	1144.2	1140.5	1140.3	1136.5	1135.5	1130.5	1127.7	1122.3	1120.0
77.5°	1027.1	1021.8	1020.3	1015.9	1017.0	1015.1	1016.7	1012.8	1011.1	1005.7	1003.9
80°	890.7	883.9	881.1	875.3	877.0	874.2	877.0	876.6	878.6	874.2	873.5
82.5°	729.2	721.8	720.4	716.4	719.0	719.3	725.1	721.9	723.2	719.1	720.8
85°	530.7	525.0	517.2	516.2	511.3	516.3	509.6	514.2	506.8	512.0	505.2
87.5°	329.0	317.5	311.4	303.2	300.0	292.1	288.8	283.0	284.8	282.1	283.7
90°	142.9	134.5	134.6	129.0	130.5	125.8	129.1	126.3	130.2	127.5	131.9
92.5°	59.3	62.0	66.9	72.2	76.9	81.8	86.6	92.0	96.6	101.9	106.5
95°	73.1	75.5	82.1	88.6	95.3	101.9	108.5	115.1	121.7	128.2	134.9
97.5°	91.3	92.7	99.3	105.9	112.5	119.1	125.6	132.6	139.2	145.7	152.4
100°	104.5	104.7	123.4	142.2	160.9	179.8	198.6	217.3	236.3	255.0	273.8
102.5°	193.4	198.1	245.5	293.0	340.3	387.7	435.3	482.9	530.2	577.9	625.5
105°	425.0	443.7	516.1	588.6	660.8	733.2	805.7	878.3	950.7	1023.2	1095.8
107.5°	787.0	821.0	886.4	951.9	1017.2	1082.8	1148.3	1213.8	1279.3	1344.9	1410.7
110°	1108.6	1144.6	1188.5	1232.4	1276.5	1320.3	1364.2	1408.2	1452.4	1496.3	1540.7



TEST NUMBER: P1444775
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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°	1252.4	1275.8	1301.3	1327.1	1352.8	1378.5	1404.3	1430.0	1456.0	1481.8	1507.8
115°	1247.8	1259.1	1268.9	1279.2	1289.2	1299.4	1309.6	1320.1	1330.5	1340.8	1351.2
117.5°	1151.2	1155.4	1156.9	1158.7	1160.5	1162.6	1164.5	1166.6	1168.8	1170.9	1172.8
120°	1006.8	1005.8	1004.4	1003.1	1001.8	1000.6	999.4	998.3	997.4	996.4	995.2
122.5°	861.3	858.9	857.5	856.4	855.3	854.3	853.3	852.6	851.7	850.9	849.9
125°	733.6	731.4	733.1	735.0	736.9	739.0	740.9	743.3	745.4	747.6	749.8
127.5°	640.0	639.7	643.9	648.1	652.5	657.0	661.5	666.2	670.5	675.3	679.6
130°	580.9	582.3	587.6	593.2	598.6	604.2	610.0	615.8	621.2	626.8	632.4
132.5°	547.2	550.3	555.3	560.7	566.1	571.5	577.1	582.5	588.0	593.6	598.8
135°	529.9	533.6	538.5	543.4	548.3	553.6	558.5	563.7	568.4	573.6	578.4
137.5°	519.6	523.3	527.5	531.5	535.5	539.8	543.9	548.1	552.0	556.2	560.2
140°	517.4	521.1	523.5	526.2	528.8	531.3	533.6	536.5	538.8	541.5	543.9
142.5°	513.7	517.2	518.6	520.5	522.1	524.3	526.0	527.9	529.4	531.1	532.6
145°	512.3	515.1	515.4	516.2	516.6	517.3	517.7	518.4	518.6	519.1	519.4
147.5°	508.8	510.8	510.6	511.0	511.1	511.1	511.4	511.4	511.3	511.4	511.4
150°	502.7	504.2	503.7	503.6	503.2	503.0	502.4	502.2	501.7	501.5	501.0
152.5°	495.7	496.8	496.0	495.9	495.1	494.7	493.9	493.7	493.0	492.5	492.1
155°	486.4	487.0	486.5	486.3	485.9	485.7	485.2	485.3	485.1	484.8	484.7
157.5°	482.2	482.2	482.0	481.7	481.4	481.4	481.1	481.1	481.0	481.3	481.4
160°	480.4	480.6	480.3	480.0	479.8	479.6	479.4	479.5	479.5	479.8	480.0
162.5°	479.4	479.3	478.9	478.7	478.5	478.5	478.5	478.7	478.6	478.9	479.2
165°	482.1	482.3	481.5	481.4	481.0	480.8	480.4	480.4	480.4	480.5	480.5
167.5°	484.3	484.1	484.1	484.2	484.2	484.3	484.5	485.2	485.2	485.9	486.1
170°	489.1	489.3	489.0	489.0	488.7	488.6	488.6	488.6	488.6	488.8	488.7
172.5°	495.7	495.7	495.2	494.9	494.4	494.2	493.8	493.7	493.2	493.0	492.6
175°	499.7	499.5	499.3	499.0	498.8	498.5	498.2	497.8	497.6	497.3	497.1
177.5°	503.4	503.0	502.9	502.9	502.7	502.6	502.6	502.4	502.4	502.4	502.1
180°	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1



TEST NUMBER: P1444775
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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°	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4
2.5°	41839.6	41839.1	41835.1	41837.0	41837.7	41840.7	41844.3	41848.0	41848.7	41851.7	41852.4
5°	42152.7	42049.2	41972.6	41888.4	41825.1	41768.2	41730.2	41700.0	41688.3	41691.3	41698.3
7.5°	43001.8	42788.2	42611.8	42411.4	42244.2	42067.3	41920.5	41781.0	41679.4	41603.7	41561.4
10°	43933.5	43673.3	43424.3	43134.2	42859.0	42565.4	42299.5	42031.6	41808.3	41614.5	41472.0
12.5°	44347.0	44163.1	43947.8	43674.1	43379.6	43040.8	42698.6	42331.8	41990.7	41674.0	41418.6
15°	43909.2	43909.6	43831.1	43699.7	43495.3	43224.5	42898.5	42516.1	42113.7	41703.0	41327.8
17.5°	42519.5	42781.7	42927.6	43019.8	42991.5	42891.8	42684.3	42390.6	42015.4	41578.0	41120.2
20°	40133.1	40751.5	41192.4	41588.9	41811.1	41958.8	41944.0	41824.6	41557.3	41185.4	40708.6
22.5°	36790.0	37828.0	38647.1	39410.8	39946.5	40382.2	40589.3	40677.2	40556.2	40297.1	39849.4
25°	32729.5	34140.9	35345.2	36514.1	37390.9	38144.4	38597.2	38916.2	38941.6	38806.2	38406.8
27.5°	28217.6	29883.5	31407.8	32961.3	34194.3	35277.5	35988.2	36508.5	36673.8	36651.9	36289.2
30°	23711.4	25460.3	27140.6	28952.0	30477.7	31861.6	32800.5	33504.1	33775.2	33827.1	33478.3
32.5°	19455.8	21180.4	22856.0	24749.8	26428.7	28014.8	29124.1	29959.8	30275.0	30349.3	29966.6
35°	15593.6	17184.6	18777.0	20612.4	22281.7	23924.2	25093.0	25968.0	26262.3	26312.0	25869.0
37.5°	12244.3	13599.9	14987.4	16634.2	18167.3	19709.8	20820.3	21642.6	21857.0	21843.8	21342.4
40°	9424.3	10478.2	11593.0	12948.8	14223.3	15527.3	16465.1	17144.8	17257.5	17174.0	16647.3
42.5°	7086.5	7847.7	8656.0	9668.0	10613.7	11589.6	12271.9	12776.5	12792.6	12660.6	12187.8
45°	5279.5	6022.1	6361.1	6972.9	7582.1	8231.0	8647.6	8959.2	8911.0	8794.9	8435.7
47.5°	4024.6	4310.0	4612.8	4992.2	5347.0	6083.4	6028.8	6529.4	6168.8	6414.7	5873.5
50°	3196.0	3355.5	3518.6	3719.9	3905.3	4097.8	4218.1	4307.9	4296.3	4257.7	4154.0
52.5°	2719.0	2768.4	2848.7	2963.2	3066.7	3170.8	3239.2	3295.0	3296.0	3280.5	3228.1
55°	2272.5	2335.1	2392.8	2467.7	2595.2	2614.8	2712.9	2693.1	2700.8	2673.6	2701.4
57.5°	2003.6	2040.1	2072.6	2117.1	2154.0	2196.9	2222.3	2246.7	2244.3	2239.1	2212.3
60°	1813.1	1833.2	1851.3	1877.3	1897.5	1921.8	1933.5	1945.9	1941.8	1932.8	1909.0
62.5°	1666.2	1678.9	1689.1	1705.9	1718.2	1733.4	1739.3	1744.7	1739.3	1730.8	1709.8
65°	1521.4	1529.4	1536.0	1548.6	1557.3	1570.2	1575.4	1580.4	1575.5	1568.9	1552.8
67.5°	1390.7	1391.4	1390.8	1395.9	1398.6	1406.4	1408.7	1412.2	1406.6	1400.9	1387.4
70°	1291.5	1289.4	1287.0	1289.0	1289.4	1293.2	1293.9	1293.2	1286.5	1276.6	1261.8
72.5°	1214.0	1212.9	1211.0	1212.8	1212.8	1216.2	1215.1	1213.4	1205.1	1195.4	1180.9
75°	1114.4	1113.6	1109.9	1110.1	1106.9	1108.0	1104.0	1101.6	1092.5	1084.3	1071.3
77.5°	997.9	996.0	990.5	988.5	982.6	980.1	972.5	968.8	959.4	952.9	941.7
80°	867.7	865.7	858.7	854.8	845.5	839.5	828.4	821.9	811.3	804.9	793.9
82.5°	717.3	718.0	711.0	706.2	692.8	682.6	667.6	659.5	647.7	641.5	630.3
85°	510.1	502.8	506.7	506.4	498.0	489.1	477.0	468.4	458.4	452.5	444.6
87.5°	279.8	281.5	279.5	277.8	271.9	267.4	257.9	252.9	245.6	242.0	236.1
90°	122.1	119.5	110.1	107.7	98.6	93.6	83.3	79.4	69.8	67.7	61.5
92.5°	101.0	95.3	90.2	84.2	79.0	73.4	67.9	62.3	56.7	54.6	53.0
95°	126.8	119.0	110.9	103.0	94.9	86.9	79.0	71.1	63.0	61.4	59.7
97.5°	143.1	133.6	124.2	114.7	105.3	95.8	86.6	77.0	67.6	66.6	65.5
100°	252.1	230.5	208.6	186.8	165.1	143.3	121.6	99.8	78.1	76.9	75.7
102.5°	572.5	519.8	466.9	414.2	361.4	308.5	255.8	202.8	150.1	142.5	134.9
105°	1015.7	935.8	856.1	776.2	696.2	616.1	536.4	456.2	376.3	350.7	324.9
107.5°	1335.6	1260.3	1185.5	1110.3	1035.1	960.2	885.0	809.8	734.5	689.4	644.2
110°	1481.0	1421.4	1362.1	1302.5	1242.9	1183.4	1123.8	1064.0	1004.5	965.5	926.8



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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°	1464.3	1420.7	1377.3	1333.7	1290.1	1246.4	1203.0	1159.1	1115.4	1091.9	1068.4
115°	1325.3	1299.1	1273.1	1246.9	1220.8	1194.6	1168.5	1142.0	1115.7	1103.4	1091.1
117.5°	1159.9	1146.7	1133.6	1120.4	1107.2	1093.8	1080.6	1067.2	1053.9	1049.7	1045.5
120°	991.9	988.2	984.1	980.4	976.6	972.8	968.8	964.8	960.7	961.5	962.2
122.5°	851.9	853.9	855.9	857.5	859.7	861.3	863.3	864.7	866.5	870.2	873.7
125°	754.2	758.3	762.6	766.8	771.0	775.3	779.5	783.4	787.8	791.2	795.1
127.5°	684.7	689.3	694.2	698.7	703.7	708.2	712.9	717.4	722.1	725.4	729.1
130°	636.9	640.9	645.2	649.2	653.5	657.6	661.7	665.9	670.0	672.9	675.7
132.5°	602.6	606.4	610.4	613.9	617.9	621.5	625.5	629.1	633.2	635.2	637.5
135°	581.6	584.3	587.4	590.1	593.4	596.1	599.1	602.2	605.3	606.9	608.8
137.5°	562.7	565.0	567.6	570.0	572.6	575.0	577.8	580.1	583.1	583.9	585.5
140°	546.4	549.0	551.5	554.0	556.8	559.3	562.3	564.9	568.0	568.9	570.3
142.5°	534.7	536.6	538.7	540.6	543.0	544.9	547.3	549.8	552.2	553.3	554.5
145°	521.9	524.0	526.5	528.7	530.9	533.5	536.4	539.1	541.9	542.7	543.6
147.5°	513.3	515.2	517.3	519.4	521.5	523.5	526.2	528.5	531.1	531.9	532.6
150°	503.2	505.1	507.2	509.3	511.5	514.0	516.5	519.1	522.0	523.1	524.1
152.5°	494.2	496.3	498.6	501.0	503.5	506.1	508.8	511.5	514.3	515.2	516.5
155°	487.0	488.9	491.4	493.8	496.3	498.6	501.4	504.0	506.7	507.9	509.0
157.5°	483.4	485.2	487.4	489.6	491.8	494.0	496.6	498.8	501.3	502.3	503.2
160°	481.9	483.5	485.6	487.6	489.6	491.6	493.9	495.8	497.9	498.9	499.8
162.5°	481.1	482.9	484.9	486.5	488.8	490.7	493.0	494.8	496.9	497.7	498.7
165°	482.0	483.4	485.1	486.3	488.0	489.3	491.0	492.5	494.2	494.9	495.9
167.5°	487.5	488.4	489.4	490.5	492.0	493.0	494.4	495.5	496.8	497.7	498.6
170°	489.9	490.8	491.6	492.8	493.9	494.9	495.9	496.8	498.3	498.9	499.8
172.5°	493.3	493.7	494.7	495.1	495.9	496.4	497.4	498.0	498.8	499.7	500.4
175°	497.6	497.8	498.2	498.4	498.8	499.1	499.7	500.2	500.6	501.2	501.7
177.5°	502.3	502.5	502.7	502.9	503.4	503.6	504.0	504.2	504.6	505.2	506.0
180°	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1



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CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4
2.5°	41850.9	41850.5	41849.1	41847.2	41845.4	41846.5	41848.3	41853.1	41861.5	41873.7	41889.5
5°	41704.1	41712.6	41717.4	41718.1	41713.7	41711.1	41715.1	41726.6	41749.8	41788.8	41841.3
7.5°	41550.0	41560.5	41576.8	41588.9	41591.3	41588.3	41588.9	41606.9	41649.7	41725.5	41831.8
10°	41385.5	41354.3	41370.8	41400.9	41424.9	41429.2	41432.2	41453.5	41516.0	41630.6	41801.3
12.5°	41233.6	41134.7	41115.5	41142.7	41179.2	41190.8	41187.6	41196.7	41270.1	41421.6	41659.5
15°	41033.8	40847.5	40783.9	40790.9	40835.8	40852.1	40840.2	40822.2	40893.6	41078.6	41386.6
17.5°	40710.4	40410.0	40293.0	40287.9	40340.5	40354.5	40325.6	40269.6	40339.9	40570.8	40953.2
20°	40218.8	39775.4	39555.1	39520.0	39577.2	39560.5	39502.8	39418.2	39510.6	39791.3	40246.0
22.5°	39335.0	38773.2	38396.8	38275.4	38343.7	38298.1	38213.9	38105.8	38228.6	38547.6	39054.0
25°	37890.9	37241.8	36726.4	36437.2	36491.7	36410.0	36318.3	36187.3	36333.7	36699.9	37257.3
27.5°	35768.2	35018.4	34379.7	33901.1	33918.6	33811.6	33706.0	33536.4	33719.2	34152.7	34781.4
30°	32945.5	32078.0	31300.2	30649.6	30591.4	30487.6	30379.5	30156.9	30385.7	30904.6	31639.2
32.5°	29400.8	28437.5	27538.8	26716.3	26561.2	26459.8	26363.5	26107.4	26406.9	27011.9	27855.9
35°	25255.3	24229.2	23254.9	22315.5	22058.4	21957.1	21872.9	21627.5	22001.3	22659.6	23571.2
37.5°	20705.1	19656.8	18689.5	17726.3	17363.0	17225.6	17164.4	17003.6	17434.9	18086.0	19001.4
40°	16033.9	15059.2	14191.9	13341.1	12927.0	12716.8	12684.7	12655.4	13072.3	13637.3	14468.1
42.5°	11664.0	10877.7	10208.9	9558.6	9183.4	8896.3	8896.1	8983.3	9358.6	9781.7	10422.4
45°	8068.3	7540.7	7114.5	6680.0	6796.1	6223.8	6560.1	6387.4	6573.0	6845.8	7262.4
47.5°	5546.2	5258.2	5024.1	4781.3	4604.3	4435.4	4450.2	4559.1	4733.8	4895.7	5112.5
50°	4042.2	3895.5	3776.3	3650.2	3562.1	3487.6	3492.0	3539.1	3630.9	3716.2	3829.7
52.5°	3167.3	3086.4	3021.7	2952.0	2905.8	2868.7	2870.7	2893.6	2943.3	2992.0	3057.0
55°	2610.7	2600.9	2516.7	2454.2	2430.3	2405.4	2409.9	2419.0	2452.7	2481.3	2524.3
57.5°	2187.7	2149.9	2124.7	2091.7	2076.6	2059.2	2063.1	2066.5	2089.1	2108.2	2139.2
60°	1889.1	1862.3	1844.5	1822.0	1812.0	1801.0	1803.5	1805.5	1820.0	1832.4	1854.7
62.5°	1690.7	1666.7	1651.2	1633.8	1626.9	1619.4	1621.2	1621.7	1630.8	1639.9	1656.8
65°	1538.5	1519.5	1506.6	1491.6	1484.3	1476.5	1477.3	1477.3	1484.9	1491.6	1504.2
67.5°	1377.5	1363.2	1354.9	1343.0	1338.0	1330.1	1329.9	1327.4	1332.4	1335.1	1343.6
70°	1248.4	1234.0	1223.2	1211.9	1205.6	1198.6	1198.7	1198.9	1204.7	1210.8	1221.8
72.5°	1168.5	1154.8	1145.2	1135.3	1129.4	1123.4	1122.3	1121.8	1125.9	1129.2	1136.5
75°	1062.9	1051.9	1046.3	1036.9	1032.2	1025.5	1024.4	1021.3	1023.3	1024.0	1029.4
77.5°	934.7	924.3	919.7	910.2	906.3	898.7	898.1	894.6	896.3	895.1	899.4
80°	788.5	779.1	776.5	768.7	766.9	759.9	758.8	754.6	755.9	752.6	754.2
82.5°	625.5	616.8	614.9	607.7	607.7	601.3	601.0	594.6	594.6	589.2	580.5
85°	440.6	434.2	431.5	425.6	423.9	418.8	416.1	410.0	407.8	404.0	402.8
87.5°	232.5	228.5	224.9	222.1	217.0	207.7	207.0	200.6	201.0	196.6	196.9
90°	60.1	54.5	53.3	48.0	46.5	42.7	41.4	41.8	42.9	43.4	44.7
92.5°	51.2	49.3	47.5	45.6	43.8	41.9	40.1	41.9	43.8	45.6	47.5
95°	58.0	56.4	54.7	53.1	51.4	49.8	48.1	49.8	51.4	53.2	54.8
97.5°	64.5	63.4	62.4	61.4	60.4	59.3	58.3	59.5	60.5	61.5	62.6
100°	74.4	73.1	72.0	70.7	69.4	68.2	67.0	68.5	69.7	71.0	72.2
102.5°	127.4	119.8	112.1	104.5	96.9	89.3	81.7	89.3	96.9	104.6	112.2
105°	299.2	273.6	247.8	222.1	196.3	170.6	144.8	170.8	196.5	222.2	248.1
107.5°	598.9	553.9	508.5	463.4	417.9	372.8	327.5	373.0	418.3	463.6	508.9
110°	887.7	848.6	809.7	770.7	731.6	692.6	653.5	692.7	731.9	771.0	810.2



TEST NUMBER: P1444775
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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°	1044.6	1021.0	997.3	973.8	949.8	926.3	902.3	926.5	950.4	974.5	998.2
115°	1078.8	1066.3	1054.1	1041.6	1029.0	1016.5	1003.8	1017.0	1029.8	1042.6	1055.3
117.5°	1041.2	1037.1	1032.8	1028.5	1024.1	1019.7	1015.2	1020.1	1024.9	1029.9	1034.3
120°	962.8	963.7	964.3	964.8	965.4	965.9	966.1	966.5	966.5	966.5	966.3
122.5°	877.2	880.8	884.1	887.5	890.8	894.1	897.2	894.7	892.1	889.6	886.6
125°	798.6	802.5	806.0	809.5	812.9	816.4	819.3	817.2	814.6	811.9	808.9
127.5°	732.5	735.8	739.0	742.6	745.5	748.4	751.3	749.4	747.2	744.9	742.3
130°	678.2	681.2	683.6	686.3	688.4	690.7	692.6	691.6	690.2	689.0	687.1
132.5°	639.6	642.0	644.1	646.2	647.8	649.7	650.8	650.7	649.8	649.1	647.8
135°	610.5	612.0	613.6	615.3	616.4	617.7	618.3	618.8	618.5	618.3	617.7
137.5°	586.4	587.8	588.6	589.5	590.1	590.7	590.8	591.7	592.1	592.8	592.7
140°	571.2	572.5	573.5	574.3	575.2	575.9	575.9	577.0	577.3	577.8	577.7
142.5°	555.6	556.8	557.8	558.8	559.3	560.0	560.2	561.1	561.5	561.9	561.9
145°	544.6	545.3	546.2	546.9	547.3	547.6	547.4	548.7	549.3	549.9	550.3
147.5°	533.6	534.5	534.9	535.5	535.9	536.2	536.2	537.2	537.9	538.5	539.0
150°	525.3	526.4	527.3	528.2	528.8	529.5	529.6	530.4	530.7	531.1	531.2
152.5°	517.3	518.2	519.1	519.9	520.5	521.0	521.2	522.0	522.6	523.1	523.3
155°	510.0	511.1	512.0	512.9	513.5	514.3	515.0	515.6	516.1	516.3	516.7
157.5°	504.1	505.2	506.0	506.9	507.5	508.5	509.1	509.9	510.4	511.0	511.3
160°	500.7	501.7	502.4	503.3	504.0	504.8	505.5	506.2	506.8	507.3	507.9
162.5°	499.4	500.4	500.8	501.7	502.6	503.3	503.9	504.7	505.4	505.9	506.5
165°	497.0	498.0	498.8	499.7	500.8	501.7	502.4	503.0	503.3	503.6	503.9
167.5°	499.4	500.4	501.1	502.0	502.7	503.7	504.6	505.0	505.2	505.5	505.7
170°	500.5	501.3	502.2	502.8	503.6	504.6	505.0	505.3	505.6	505.8	506.1
172.5°	501.1	502.1	502.9	503.9	504.6	505.5	506.3	506.4	506.4	506.2	506.0
175°	502.3	503.1	503.7	504.4	505.0	505.6	506.5	506.2	506.3	506.0	505.9
177.5°	506.7	507.7	508.5	509.1	509.8	510.4	511.3	510.6	510.2	509.6	509.0
180°	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1



TEST NUMBER: P1444775
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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°	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4
2.5°	41912.0	41932.9	41965.0	41994.1	42037.9	42072.4	42124.3	42163.6	42222.2	42260.1	42323.8
5°	41915.7	41997.8	42105.6	42210.7	42337.3	42452.1	42594.8	42716.4	42859.9	42976.9	43123.6
7.5°	41975.0	42133.1	42322.7	42513.6	42729.6	42931.6	43159.3	43365.3	43590.5	43781.1	43989.3
10°	42018.7	42262.6	42541.9	42823.0	43118.8	43393.7	43671.1	43910.9	44135.1	44319.4	44482.4
12.5°	41959.4	42295.4	42653.8	42999.9	43328.9	43613.4	43852.1	44036.5	44163.8	44250.2	44270.4
15°	41757.9	42162.2	42551.9	42896.6	43169.5	43380.1	43489.0	43540.1	43485.3	43394.4	43194.6
17.5°	41381.4	41807.9	42156.3	42428.2	42572.5	42629.6	42539.3	42382.2	42075.3	41734.7	41242.8
20°	40691.3	41088.6	41341.3	41489.6	41451.1	41308.3	40967.5	40553.2	39940.6	39287.6	38425.9
22.5°	39480.7	39828.0	39962.7	39973.7	39738.3	39380.9	38766.2	38055.7	37089.1	36084.2	34848.4
25°	37663.5	37967.8	37989.1	37869.5	37438.6	36859.6	35957.0	34951.8	33638.3	32299.4	30750.8
27.5°	35199.1	35490.9	35419.4	35196.5	34598.2	33823.4	32667.7	31369.2	29750.0	28168.5	26455.5
30°	32101.1	32413.1	32329.3	32043.3	31331.7	30415.9	29056.1	27547.5	25749.7	24060.6	22324.7
32.5°	28393.8	28788.3	28730.4	28458.5	27716.0	26735.9	25260.5	23660.4	21821.1	20156.6	18467.9
35°	24179.9	24658.9	24683.6	24505.9	23816.6	22847.8	21390.9	19842.2	18080.5	16509.9	14949.9
37.5°	19639.9	20195.2	20309.2	20261.3	19690.0	18834.9	17507.4	16118.1	14557.3	13180.8	11846.7
40°	15074.7	15636.8	15831.8	15889.8	15468.1	14805.8	13716.3	12594.9	11322.6	10207.2	9147.9
42.5°	10911.6	11409.9	11598.3	11716.9	11453.7	11012.1	10217.3	9403.0	8470.8	7666.4	6895.1
45°	7578.3	7930.7	8074.1	8193.5	8050.1	7801.0	7299.1	6789.8	6174.5	5648.8	5151.0
47.5°	5298.4	5492.8	5587.4	5645.3	5589.8	5459.8	5186.7	4891.6	4544.3	4237.1	3941.7
50°	3927.3	4030.7	4080.2	4113.7	4073.2	4001.0	3853.2	3692.6	3501.8	3327.8	3157.7
52.5°	3112.2	3171.6	3201.0	3219.0	3195.8	3151.7	3065.6	2970.3	2855.9	2748.4	2692.0
55°	2621.9	2618.8	2686.8	2654.0	2686.8	2613.5	2598.1	2493.4	2398.4	2331.5	2259.1
57.5°	2162.2	2193.0	2206.1	2220.7	2211.3	2197.8	2161.2	2123.8	2073.7	2031.8	1987.1
60°	1871.7	1897.0	1911.4	1925.9	1924.9	1919.9	1898.8	1876.3	1845.0	1820.0	1792.9
62.5°	1671.5	1693.5	1707.6	1721.5	1722.8	1720.7	1704.7	1689.1	1667.8	1652.1	1633.4
65°	1514.0	1529.4	1539.1	1550.2	1549.6	1546.6	1532.1	1519.2	1501.6	1490.7	1477.0
67.5°	1349.3	1360.9	1368.4	1378.8	1380.8	1381.4	1373.5	1367.5	1358.9	1355.8	1351.1
70°	1232.1	1246.2	1258.2	1271.4	1278.6	1282.0	1278.6	1275.5	1270.5	1268.3	1264.7
72.5°	1143.3	1155.3	1164.6	1176.7	1183.3	1188.2	1185.6	1183.8	1179.5	1178.9	1176.3
75°	1033.2	1041.5	1046.7	1055.7	1059.3	1063.8	1061.8	1062.9	1061.5	1064.9	1064.8
77.5°	900.7	906.8	909.3	915.8	916.5	921.9	923.2	929.5	934.1	944.0	949.3
80°	751.6	755.5	755.5	762.2	765.2	774.4	778.7	789.1	793.9	802.8	803.6
82.5°	583.9	579.4	583.9	581.0	589.7	599.9	601.3	610.2	612.2	617.8	613.5
85°	399.1	398.9	395.3	395.9	393.3	394.5	393.0	394.6	393.1	393.3	389.2
87.5°	191.2	193.0	188.8	190.1	186.2	188.0	184.4	187.2	183.0	183.6	177.4
90°	45.4	46.6	47.4	48.7	50.5	53.7	57.3	60.6	64.7	67.9	71.6
92.5°	49.3	51.4	53.2	55.1	56.9	62.4	68.1	73.6	79.3	84.7	90.4
95°	56.5	58.1	59.8	61.8	63.4	71.5	79.5	87.6	95.5	103.6	111.6
97.5°	63.9	65.0	66.0	67.1	68.2	77.7	87.2	96.6	106.1	115.6	124.9
100°	73.6	74.9	76.1	77.5	78.8	100.6	122.4	144.3	166.1	187.7	209.5
102.5°	120.1	127.7	135.3	143.2	150.8	203.7	256.7	309.6	362.3	415.3	468.0
105°	273.9	299.6	325.7	351.5	377.2	457.3	537.5	617.6	697.3	777.4	857.6
107.5°	554.3	599.6	645.1	690.4	735.8	811.2	886.4	961.6	1037.0	1112.2	1187.2
110°	849.6	888.4	927.9	967.1	1006.2	1065.8	1125.8	1185.4	1245.1	1304.8	1364.4



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CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	1022.2	1046.0	1069.9	1093.5	1117.4	1161.2	1205.3	1249.0	1292.9	1336.5	1380.2
115°	1068.0	1080.3	1093.1	1105.6	1118.4	1144.8	1171.2	1197.5	1224.1	1250.2	1276.7
117.5°	1038.9	1043.5	1048.1	1052.2	1056.8	1070.3	1083.9	1097.4	1111.0	1124.4	1137.9
120°	966.1	965.7	965.4	964.8	964.4	968.4	972.8	976.8	981.1	985.0	988.9
122.5°	883.8	880.5	877.4	874.2	871.0	869.3	867.8	866.1	864.8	862.9	861.4
125°	805.9	802.6	799.5	796.0	792.6	788.7	784.9	780.8	776.8	772.7	768.7
127.5°	739.9	736.8	734.1	731.0	727.9	723.3	718.9	714.3	710.0	705.2	700.9
130°	685.5	683.2	681.3	678.6	676.6	672.2	668.5	664.5	660.5	656.5	652.6
132.5°	646.7	645.0	643.6	641.6	640.0	636.2	633.1	629.1	625.5	621.9	618.5
135°	617.0	616.1	615.3	613.9	612.8	609.8	607.2	604.3	601.6	598.8	596.1
137.5°	592.9	592.3	592.0	591.5	590.9	588.4	586.3	583.8	581.6	579.1	577.0
140°	577.9	577.4	577.2	576.7	576.2	573.7	571.3	568.7	566.4	563.8	561.5
142.5°	561.9	561.7	561.5	560.9	560.6	558.5	556.8	554.9	553.0	551.0	549.1
145°	550.5	550.5	550.6	550.3	550.5	548.1	546.0	543.6	541.7	539.4	537.4
147.5°	539.4	539.4	539.7	539.7	540.0	538.0	536.5	534.5	532.8	530.9	529.3
150°	531.4	531.4	531.5	531.2	531.1	529.1	527.6	525.6	524.0	522.0	520.4
152.5°	523.5	523.7	523.9	523.9	524.1	522.4	520.6	518.7	516.9	514.8	513.1
155°	517.0	517.2	517.2	517.2	517.2	515.6	514.0	512.2	510.5	508.7	507.1
157.5°	511.6	511.9	512.2	512.3	512.5	511.1	509.6	508.2	506.7	505.2	503.7
160°	508.3	508.7	509.0	509.2	509.5	508.3	507.4	505.8	504.8	503.4	501.9
162.5°	506.9	507.4	507.6	507.8	508.1	506.8	506.0	504.7	503.6	501.9	500.7
165°	504.4	504.4	504.6	504.6	504.6	503.8	503.2	502.4	501.6	500.5	499.7
167.5°	505.9	505.9	506.2	506.1	506.2	505.6	505.5	504.7	504.1	503.5	502.8
170°	506.1	506.3	506.4	506.3	506.4	505.7	505.3	504.7	504.4	503.5	502.8
172.5°	506.0	505.8	505.6	505.6	505.4	504.9	504.6	504.2	504.0	503.6	503.2
175°	505.6	505.4	505.3	505.1	504.7	504.7	504.5	504.5	504.3	504.0	503.8
177.5°	508.8	508.4	507.7	507.2	506.7	506.5	506.5	506.3	506.4	506.2	506.0
180°	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1



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CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4
2.5°	42363.1	42101.5	42067.0	42085.3	42129.1	42145.2	42192.4	42205.3	42252.8	42264.5	42310.1
5°	43237.2	42891.5	42908.7	42991.8	43117.7	43192.7	43316.5	43381.2	43499.3	43553.0	43659.8
7.5°	44159.0	43887.4	43972.1	44112.3	44284.4	44403.6	44552.2	44649.0	44777.1	44856.7	44959.2
10°	44611.5	44537.1	44630.4	44740.7	44838.9	44915.8	44978.8	45029.2	45062.2	45093.1	45106.7
12.5°	44267.1	44382.3	44398.2	44387.5	44322.4	44272.7	44161.2	44085.4	43950.8	43868.8	43708.6
15°	42990.5	43243.6	43103.4	42891.1	42580.5	42321.6	41955.9	41683.5	41302.7	41044.4	40662.2
17.5°	40749.8	41069.4	40704.1	40212.9	39588.1	39053.5	38387.9	37859.5	37197.7	36716.4	36098.7
20°	37595.5	37894.2	37242.5	36428.4	35461.8	34648.3	33689.1	32923.8	32032.3	31369.2	30569.0
22.5°	33668.0	33880.8	32962.8	31865.2	30633.7	29617.6	28470.6	27553.1	26535.8	25777.7	24924.5
25°	29323.1	29380.6	28279.4	27014.8	25642.4	24500.3	23275.8	22311.1	21273.6	20505.3	19667.9
27.5°	24937.7	24853.5	23663.3	22322.5	20878.8	19691.7	18497.5	17593.5	16684.8	15992.7	15271.3
30°	20798.5	20594.6	19358.8	17980.7	16579.3	15515.3	14523.8	13797.9	13075.0	12526.0	11946.9
32.5°	17002.7	16715.2	15512.2	14221.0	13040.2	12219.1	11483.9	10934.6	10350.8	9887.1	9401.1
35°	13640.7	13334.3	12268.6	11174.0	10280.2	9675.0	9097.2	8646.5	8150.8	7759.6	7337.5
37.5°	10755.3	10504.2	9611.5	8750.2	8074.1	7605.1	7131.6	6763.3	6353.7	6181.6	5730.6
40°	8303.1	8127.5	7429.5	6794.6	6286.9	6066.6	5586.1	5241.9	4935.9	4683.5	4438.9
42.5°	6476.5	6414.4	5735.2	5239.9	4882.5	4604.9	4337.1	4119.6	3908.0	3734.0	3569.7
45°	4752.8	4703.7	4402.0	4116.2	3872.7	3678.6	3497.6	3348.1	3209.7	3095.0	2990.7
47.5°	3701.0	3685.3	3511.6	3334.4	3180.9	3056.2	2938.8	2839.4	2747.6	2671.0	2646.2
50°	3010.2	3008.2	2906.2	2796.8	2687.5	2615.5	2540.5	2481.9	2422.9	2376.9	2328.5
52.5°	2557.7	2546.6	2477.8	2410.3	2345.4	2298.1	2250.1	2212.6	2173.6	2145.3	2115.0
55°	2201.9	2213.5	2173.7	2133.4	2092.8	2063.3	2029.8	2005.1	1978.2	1960.4	1942.2
57.5°	1954.8	1970.2	1949.3	1926.4	1901.7	1882.4	1859.2	1842.1	1824.2	1812.8	1802.2
60°	1775.0	1791.8	1783.4	1771.9	1756.6	1745.1	1730.4	1720.8	1709.3	1703.0	1697.0
62.5°	1622.5	1643.5	1640.5	1635.1	1625.3	1618.9	1610.8	1606.6	1599.0	1596.2	1593.4
65°	1470.3	1494.0	1493.5	1490.8	1485.4	1483.6	1478.6	1477.6	1473.7	1475.3	1475.0
67.5°	1350.6	1371.2	1375.7	1379.0	1378.8	1380.1	1379.6	1381.6	1381.6	1384.6	1386.4
70°	1264.2	1278.6	1282.0	1285.4	1286.4	1289.2	1289.2	1290.9	1290.4	1292.9	1293.2
72.5°	1177.0	1195.8	1199.3	1202.1	1202.1	1204.7	1203.2	1202.8	1199.1	1198.3	1195.6
75°	1068.4	1092.5	1097.7	1101.2	1101.6	1104.0	1100.7	1098.7	1092.5	1090.0	1085.6
77.5°	954.9	979.9	983.6	984.9	982.9	983.4	976.6	971.9	963.9	960.6	956.4
80°	807.2	844.1	847.1	844.7	839.0	838.0	831.3	826.9	817.5	814.2	810.6
82.5°	614.2	657.5	663.6	666.2	661.5	662.6	656.3	653.7	645.0	643.5	637.7
85°	387.8	431.1	438.2	437.1	432.5	431.4	427.6	428.9	428.1	430.4	431.7
87.5°	178.2	220.1	230.2	226.9	226.4	223.5	216.8	219.2	223.3	225.9	226.1
90°	75.1	91.3	94.5	92.7	86.6	84.2	78.6	76.8	71.9	70.0	65.1
92.5°	95.9	101.5	107.0	102.1	97.2	92.2	87.3	82.1	77.4	72.2	67.5
95°	119.6	127.2	135.3	128.7	122.1	115.5	108.9	102.3	95.7	89.1	82.6
97.5°	134.3	143.6	152.8	146.2	139.7	132.9	126.3	119.7	113.1	106.4	99.9
100°	231.4	252.6	274.3	255.5	236.6	218.0	199.2	180.3	161.5	142.8	123.9
102.5°	520.9	573.3	625.9	578.3	530.8	483.3	435.9	388.4	341.0	293.4	246.0
105°	937.3	1016.7	1096.5	1023.7	951.2	878.9	806.4	733.9	661.3	588.8	516.5
107.5°	1262.3	1336.5	1411.2	1345.7	1280.1	1214.7	1148.9	1083.4	1017.7	952.2	886.7
110°	1424.0	1482.3	1541.6	1497.3	1453.3	1409.0	1365.0	1320.9	1276.9	1233.1	1189.1



TEST NUMBER: P1444775
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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°	1423.8	1465.7	1508.9	1482.7	1456.9	1430.9	1405.2	1379.2	1353.6	1327.6	1302.1
115°	1302.7	1326.9	1352.5	1341.9	1331.6	1321.2	1310.7	1300.5	1290.1	1279.8	1269.9
117.5°	1151.2	1162.0	1174.5	1172.2	1170.3	1167.9	1165.9	1163.7	1161.9	1159.8	1158.0
120°	993.0	994.1	997.2	998.1	999.2	1000.0	1001.1	1002.1	1003.3	1004.4	1005.7
122.5°	859.6	854.8	852.0	852.9	853.8	854.3	855.3	856.2	857.1	858.0	859.2
125°	764.7	757.1	752.0	749.8	747.7	745.5	743.3	741.0	739.1	737.1	735.2
127.5°	696.2	688.0	682.4	677.9	673.4	668.8	664.3	659.6	655.3	650.7	646.5
130°	648.7	640.6	635.5	629.8	624.5	618.6	613.2	607.5	601.9	596.4	590.8
132.5°	614.8	606.8	602.2	596.9	591.7	586.0	581.0	575.3	570.0	564.3	559.2
135°	593.2	585.9	582.1	577.1	572.5	567.5	562.5	557.5	552.7	547.5	543.0
137.5°	574.4	567.4	564.1	559.9	556.2	552.1	548.4	544.2	540.3	535.8	532.1
140°	558.9	551.4	547.9	545.5	543.4	540.8	538.5	536.0	533.7	531.2	528.8
142.5°	547.2	539.9	536.9	535.3	533.9	532.3	531.0	529.3	527.8	525.8	524.2
145°	535.3	527.1	523.8	523.3	523.2	522.9	522.5	522.1	521.8	521.2	520.9
147.5°	527.3	519.1	515.8	516.0	516.2	516.0	516.3	516.1	516.4	516.2	516.4
150°	518.3	509.0	505.2	505.7	506.0	506.5	507.1	507.5	508.2	508.5	509.0
152.5°	511.0	499.8	495.6	496.0	496.8	497.2	497.8	498.6	499.4	500.0	500.7
155°	504.9	492.9	488.2	488.2	488.4	488.8	489.0	489.4	489.8	490.2	490.8
157.5°	502.0	489.3	484.9	484.5	484.6	484.6	484.6	484.9	485.1	485.2	485.9
160°	500.5	488.0	483.5	483.2	483.3	483.1	483.0	483.1	483.3	483.4	483.9
162.5°	499.2	487.0	482.8	482.3	482.0	482.0	482.0	481.7	481.9	482.0	482.3
165°	498.6	487.8	484.0	483.8	483.9	483.9	483.9	484.1	484.3	484.5	484.9
167.5°	501.9	492.3	489.3	488.9	488.4	488.0	488.0	487.3	487.3	487.0	487.0
170°	502.1	494.5	491.9	491.7	491.9	491.9	491.7	491.8	491.8	491.8	492.0
172.5°	502.6	497.1	495.0	495.4	495.8	496.0	496.4	496.7	497.0	497.5	497.8
175°	503.6	500.2	499.4	499.3	499.6	499.7	499.9	500.2	500.4	500.6	501.1
177.5°	505.9	504.9	504.5	504.5	504.5	504.5	504.5	504.5	504.5	504.6	504.6
180°	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4
2.5°	42318.6	42367.9	42364.2	42410.3	42408.0	42451.4	42442.7	42480.1	42471.6	42503.7	42484.8
5°	43706.7	43800.6	43831.5	43916.2	43933.8	44009.6	44011.2	44071.3	44064.1	44111.2	44086.1
7.5°	45019.9	45107.5	45149.1	45214.9	45247.8	45302.1	45323.5	45368.3	45379.1	45405.5	45404.7
10°	45130.7	45130.4	45151.0	45141.7	45160.1	45149.5	45171.9	45163.8	45197.0	45188.4	45213.5
12.5°	43639.6	43491.6	43437.5	43304.6	43275.5	43161.5	43169.5	43096.4	43131.7	43086.8	43163.3
15°	40434.8	40091.5	39921.9	39623.4	39529.7	39293.8	39274.7	39118.0	39160.3	39078.3	39198.1
17.5°	35699.1	35158.6	34862.0	34426.1	34253.1	33919.4	33852.5	33650.8	33682.1	33580.5	33725.2
20°	30052.9	29399.7	29025.6	28521.5	28296.7	27898.9	27793.4	27567.7	27596.0	27494.9	27658.6
22.5°	24342.2	23658.5	23236.2	22707.8	22420.7	22046.5	21934.3	21707.7	21720.5	21625.6	21783.1
25°	19094.3	18438.8	18028.9	17549.0	17299.8	16956.8	16838.9	16635.3	16646.8	16568.5	16709.8
27.5°	14770.8	14233.0	13889.9	13487.7	13264.4	12982.4	12867.4	12696.2	12695.8	12638.3	12756.4
30°	11542.6	11093.8	10785.8	10435.5	10225.7	9971.3	9860.1	9707.1	9700.3	9659.6	9753.5
32.5°	9037.6	8638.4	8357.5	8049.2	7860.9	7642.5	7537.4	7414.3	7403.1	7366.2	7443.2
35°	7025.5	6689.3	6447.9	6188.3	6207.4	5885.2	5938.8	5688.6	5620.7	5605.9	5663.2
37.5°	5429.9	5169.6	4973.4	4779.0	4647.3	4511.2	4437.8	4372.0	4364.5	4358.2	4398.3
40°	4250.1	4068.0	3925.2	3791.9	3701.3	3618.2	3572.3	3536.2	3527.6	3522.8	3547.1
42.5°	3439.9	3316.9	3224.9	3143.5	3088.5	3043.4	3018.2	2998.0	2991.3	2991.5	3005.8
45°	2906.2	2831.6	2772.4	2721.8	2686.6	2702.0	2656.6	2680.5	2649.0	2681.6	2660.1
47.5°	2559.4	2495.8	2459.1	2423.3	2402.0	2384.9	2385.5	2385.8	2392.5	2393.6	2400.6
50°	2291.7	2254.9	2229.4	2206.5	2195.5	2186.5	2189.6	2192.0	2198.5	2198.9	2204.1
52.5°	2093.6	2069.4	2054.0	2039.9	2034.9	2029.8	2032.0	2031.0	2034.0	2032.4	2036.6
55°	1932.4	1921.0	1916.2	1910.9	1911.6	1910.3	1911.2	1906.0	1902.9	1899.0	1902.7
57.5°	1800.1	1798.5	1801.8	1804.0	1810.0	1812.2	1813.7	1807.7	1802.1	1797.0	1799.9
60°	1698.1	1700.6	1708.7	1715.2	1724.0	1728.0	1730.5	1727.1	1723.0	1718.9	1721.3
62.5°	1597.6	1601.5	1611.2	1618.4	1629.0	1634.5	1640.5	1640.9	1642.4	1640.9	1642.5
65°	1480.9	1485.7	1494.4	1500.5	1510.3	1515.1	1521.4	1522.5	1525.9	1525.1	1528.1
67.5°	1392.2	1396.6	1403.9	1409.6	1418.3	1423.3	1428.7	1429.1	1430.3	1430.0	1432.8
70°	1297.6	1299.8	1306.3	1311.1	1319.8	1325.0	1331.2	1333.0	1336.9	1337.6	1340.6
72.5°	1196.7	1195.8	1199.7	1201.9	1208.4	1212.5	1220.4	1224.7	1231.2	1233.0	1235.3
75°	1086.9	1086.0	1090.6	1092.5	1098.1	1102.1	1111.0	1116.8	1126.8	1131.1	1130.0
77.5°	959.7	961.9	970.6	975.4	982.9	988.1	999.6	1008.7	1027.2	1035.4	1027.1
80°	817.5	819.8	828.8	833.4	843.2	849.4	862.3	873.1	889.7	893.3	888.6
82.5°	642.7	643.3	651.5	654.8	667.6	676.8	693.2	701.7	712.0	710.4	709.2
85°	438.2	444.1	454.3	464.4	479.9	494.9	510.3	523.0	514.0	528.2	512.3
87.5°	234.2	233.6	247.2	245.1	266.9	279.5	292.8	299.3	306.4	305.0	305.2
90°	63.8	60.5	60.5	56.7	57.8	53.8	55.9	52.3	55.2	50.6	57.8
92.5°	62.4	59.8	57.0	54.5	51.7	49.1	46.3	43.6	41.0	38.2	41.0
95°	76.0	73.5	71.0	68.3	65.9	63.4	60.9	58.5	55.9	53.5	56.6
97.5°	93.3	91.8	90.4	88.9	87.5	86.1	84.7	83.2	81.6	80.1	82.2
100°	105.1	105.1	105.1	105.1	104.9	104.9	104.9	104.9	104.9	104.9	106.5
102.5°	198.4	193.7	189.0	184.0	179.3	174.6	169.8	165.0	160.3	155.6	162.6
105°	444.0	425.4	406.9	388.3	369.6	351.0	332.5	314.0	295.5	276.9	296.0
107.5°	821.4	787.5	753.6	719.8	685.8	652.1	618.3	584.5	550.8	517.0	547.2
110°	1145.1	1109.2	1073.1	1037.3	1001.2	965.2	929.3	893.5	857.7	821.9	850.7



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	1276.5	1252.8	1229.7	1206.4	1183.2	1160.1	1137.0	1113.9	1090.9	1067.7	1081.8
115°	1259.5	1248.5	1237.2	1226.2	1215.0	1203.9	1192.7	1181.9	1170.9	1160.0	1160.8
117.5°	1156.1	1152.1	1148.4	1144.5	1140.7	1137.1	1133.5	1129.9	1126.3	1122.9	1115.1
120°	1007.1	1007.9	1008.7	1009.9	1011.0	1012.3	1013.3	1014.7	1016.2	1017.6	1007.1
122.5°	860.4	862.6	865.1	867.7	870.3	873.2	876.0	879.0	882.1	885.2	874.7
125°	733.1	735.4	737.8	740.2	742.5	745.5	748.2	751.3	754.2	757.4	748.5
127.5°	642.1	642.7	643.0	643.9	644.5	645.6	646.7	648.0	649.5	651.0	645.5
130°	585.3	583.9	582.4	581.3	580.0	579.2	578.5	577.8	577.2	577.0	574.6
132.5°	553.7	551.0	548.2	545.6	543.2	541.1	538.8	537.1	535.4	533.8	533.2
135°	537.7	534.2	530.7	527.1	523.8	521.0	518.0	515.4	512.8	510.5	511.2
137.5°	528.0	524.6	521.0	517.6	514.3	511.4	508.4	505.7	503.3	500.9	502.0
140°	526.3	522.8	519.1	515.9	512.8	509.8	506.9	504.5	501.6	499.7	500.2
142.5°	522.5	519.6	516.2	513.3	510.4	507.7	505.2	502.9	500.3	498.5	499.3
145°	520.3	518.1	515.7	513.3	511.3	509.4	507.2	505.6	504.0	502.8	503.2
147.5°	516.2	514.7	512.7	511.2	509.3	508.1	506.5	505.4	504.2	503.3	503.4
150°	509.4	508.4	507.1	506.1	505.0	504.1	503.1	502.5	501.7	501.1	501.1
152.5°	501.3	500.5	499.4	498.6	497.6	496.9	496.1	495.6	494.9	494.5	494.4
155°	491.2	490.8	490.4	490.1	489.7	489.7	489.3	489.4	489.1	489.1	489.3
157.5°	486.1	486.2	485.9	486.2	486.2	486.2	486.2	486.6	486.5	487.0	487.2
160°	484.3	484.3	484.1	484.1	484.0	483.9	484.0	484.0	484.1	484.1	484.6
162.5°	482.5	483.0	483.2	483.4	484.0	484.3	484.7	485.3	485.7	486.2	486.8
165°	485.3	485.3	485.3	485.2	485.5	485.6	485.7	486.1	486.2	486.7	487.3
167.5°	486.9	487.2	487.2	487.6	488.0	488.4	488.8	489.5	490.1	490.9	491.3
170°	491.8	491.8	491.8	491.8	491.8	492.1	492.2	492.4	492.6	493.0	493.4
172.5°	498.2	498.2	497.8	498.2	497.8	498.2	498.2	498.3	498.3	498.5	498.7
175°	501.0	501.5	501.7	502.1	502.1	502.3	502.5	502.7	502.9	503.3	503.3
177.5°	504.6	504.7	504.7	504.7	504.7	504.9	504.9	504.9	504.9	504.7	504.9
180°	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1



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CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4
2.5°	42516.1	42494.8	42516.5	42494.4	42516.5	42490.1	42508.0	42479.4	42486.7	42457.0	42464.6
5°	44123.6	44089.7	44107.8	44063.7	44068.4	44009.6	44008.5	43940.0	43922.0	43844.0	43809.8
7.5°	45423.6	45412.5	45418.8	45390.4	45387.1	45347.0	45327.9	45271.2	45235.6	45163.8	45114.8
10°	45217.8	45251.0	45259.5	45293.3	45300.3	45333.8	45340.7	45374.2	45381.3	45406.0	45406.3
12.5°	43159.8	43272.2	43299.1	43438.2	43496.6	43655.7	43741.0	43916.2	44020.3	44195.1	44302.5
15°	39194.8	39389.5	39467.2	39738.5	39888.7	40205.6	40404.6	40768.5	41025.3	41411.6	41687.2
17.5°	33737.9	34010.0	34132.8	34500.8	34741.0	35208.5	35545.7	36100.4	36525.2	37141.7	37630.3
20°	27686.6	27989.0	28155.7	28575.6	28858.9	29405.3	29826.1	30507.9	31076.4	31857.6	32525.7
22.5°	21832.5	22120.2	22305.2	22732.4	23051.4	23621.3	24091.6	24811.2	25448.2	26328.5	27129.5
25°	16763.2	17026.8	17194.2	17580.5	17880.2	18403.8	18852.9	19545.0	20168.3	21051.2	21872.6
27.5°	12815.3	13036.1	13197.3	13526.8	13791.0	14235.2	14620.9	15192.9	15729.9	16493.8	17225.2
30°	9811.2	10007.0	10163.8	10450.8	10695.7	11080.7	11419.9	11900.4	12344.8	12952.7	13534.6
32.5°	7497.3	7665.9	7805.7	8056.8	8279.0	8625.8	8931.4	9352.5	9734.0	10249.5	10728.2
35°	5716.4	6048.1	6024.6	6370.9	6426.7	6675.6	6948.2	7316.3	7654.2	8092.6	8500.0
37.5°	4436.9	4530.1	4630.1	4783.2	4944.1	5170.5	5400.8	5850.7	6015.7	6347.0	6684.3
40°	3577.9	3640.9	3706.9	3810.4	3923.0	4082.6	4250.3	4464.9	4684.8	4953.5	5227.8
42.5°	3024.8	3060.5	3102.5	3163.4	3232.7	3333.8	3446.0	3591.6	3744.6	3933.6	4126.6
45°	2702.5	2685.5	2698.1	2730.7	2772.6	2834.0	2904.8	2995.0	3094.6	3217.0	3347.4
47.5°	2402.0	2408.8	2412.6	2430.3	2452.7	2493.9	2536.9	2598.1	2716.2	2752.2	2823.3
50°	2203.6	2206.9	2205.7	2214.8	2226.1	2253.0	2280.8	2322.2	2363.6	2418.4	2470.7
52.5°	2037.2	2041.9	2041.3	2047.2	2053.3	2070.2	2087.8	2117.1	2144.2	2179.0	2209.1
55°	1905.9	1912.3	1914.8	1919.8	1922.7	1931.6	1938.5	1952.6	1964.1	1983.9	2002.1
57.5°	1804.9	1813.7	1817.6	1819.4	1815.8	1815.3	1813.0	1815.9	1818.3	1828.9	1839.1
60°	1725.4	1732.4	1733.4	1732.4	1725.8	1721.2	1713.7	1711.3	1710.2	1715.2	1720.8
62.5°	1642.1	1644.6	1642.9	1640.9	1633.4	1628.9	1621.2	1618.3	1615.6	1619.2	1622.2
65°	1527.0	1529.2	1527.0	1525.7	1519.0	1515.5	1508.9	1506.7	1503.0	1504.0	1503.3
67.5°	1433.5	1435.6	1433.9	1432.2	1427.6	1425.3	1420.5	1417.4	1412.9	1411.2	1408.1
70°	1340.2	1341.9	1339.3	1337.6	1332.3	1330.2	1325.8	1324.8	1321.2	1320.4	1316.9
72.5°	1233.0	1233.2	1229.4	1228.3	1224.5	1224.3	1222.4	1224.1	1224.0	1225.8	1225.1
75°	1123.3	1121.8	1117.1	1116.2	1113.3	1114.7	1112.7	1115.3	1115.7	1119.7	1120.1
77.5°	1013.4	1007.7	998.8	994.6	988.6	987.9	984.5	986.8	986.0	990.7	992.5
80°	874.6	867.6	856.2	850.8	843.8	842.7	839.5	842.7	841.2	846.6	850.5
82.5°	698.2	692.2	680.4	676.0	668.0	668.7	665.2	668.7	668.2	676.3	681.0
85°	516.5	512.4	500.3	489.6	477.6	470.6	463.8	462.5	460.5	463.8	466.6
87.5°	298.4	294.6	285.1	278.9	257.9	258.8	250.5	250.1	248.1	246.2	250.5
90°	56.8	63.0	62.4	68.0	68.1	74.5	74.9	81.0	80.9	87.0	87.8
92.5°	43.6	46.3	48.9	51.7	54.3	57.0	59.6	62.4	68.2	73.5	79.7
95°	59.6	62.7	65.8	69.0	72.1	75.1	78.2	81.3	89.7	98.2	106.7
97.5°	84.4	86.3	88.4	90.4	92.4	94.5	96.5	98.6	107.9	116.9	126.0
100°	108.1	109.8	111.4	113.1	114.7	116.4	118.0	119.6	137.4	154.9	172.5
102.5°	169.6	176.6	183.6	190.6	197.8	204.8	211.8	218.8	259.1	299.3	339.5
105°	315.2	334.3	353.7	372.9	392.1	411.2	430.5	449.6	514.1	578.3	642.9
107.5°	577.5	607.8	638.1	668.6	698.9	729.3	759.6	790.0	852.8	915.7	978.5
110°	879.5	908.6	937.4	966.4	995.2	1024.3	1053.2	1082.4	1120.2	1157.8	1195.6



TEST NUMBER: P1444775
 CATALOG NUMBER: EHBR1-54-UNV-TA-L935-UPL36

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	1095.8	1109.9	1124.0	1138.3	1152.3	1166.7	1180.9	1195.2	1214.2	1233.1	1252.1
115°	1161.8	1162.6	1163.7	1164.7	1165.8	1166.8	1168.3	1169.3	1175.5	1181.6	1187.7
117.5°	1107.4	1099.7	1092.2	1084.5	1077.1	1069.8	1062.5	1055.2	1054.2	1053.2	1052.5
120°	997.1	986.6	976.5	966.2	956.3	946.3	936.5	926.8	921.9	917.1	912.4
122.5°	864.5	854.3	844.2	834.2	824.3	814.6	805.0	795.4	792.1	789.1	785.9
125°	740.1	731.7	723.3	715.1	707.1	699.1	691.4	683.6	683.9	683.9	684.5
127.5°	640.4	635.3	630.4	625.5	621.1	616.5	612.1	607.7	610.5	613.1	615.9
130°	572.4	570.4	568.6	566.5	565.3	563.6	562.3	560.8	565.5	569.5	574.1
132.5°	533.2	533.0	533.1	533.1	533.6	534.0	534.7	535.2	540.3	545.1	550.1
135°	511.8	512.7	514.0	515.1	516.7	518.1	519.8	521.2	526.2	530.7	535.7
137.5°	503.3	504.5	506.1	507.6	509.6	511.3	513.4	515.3	519.2	523.1	527.0
140°	501.4	502.3	503.7	505.1	506.5	508.1	510.1	511.6	515.0	518.0	521.0
142.5°	500.4	501.2	502.5	503.8	505.3	506.7	508.4	509.7	512.3	514.3	517.2
145°	504.1	504.7	505.8	506.7	507.9	509.0	510.4	511.4	513.2	514.6	516.2
147.5°	504.0	504.5	505.3	506.1	507.0	507.8	508.5	509.4	510.6	511.5	512.8
150°	501.6	501.7	502.2	502.5	503.2	503.7	504.5	504.9	505.9	506.7	507.9
152.5°	494.9	495.0	495.5	495.7	496.3	496.8	497.1	497.7	498.7	499.4	500.4
155°	489.8	490.4	491.0	491.5	492.3	492.6	493.4	493.9	494.7	495.2	496.0
157.5°	487.9	488.1	489.0	489.3	490.1	490.5	491.1	491.6	492.4	492.9	493.5
160°	485.3	486.2	486.9	487.7	488.5	489.2	490.1	490.9	491.5	492.0	492.6
162.5°	487.3	488.0	488.6	489.1	489.7	490.3	490.8	491.4	492.4	492.9	493.9
165°	488.1	488.9	489.8	490.3	491.2	492.1	492.8	493.6	494.0	494.7	495.1
167.5°	492.2	492.7	493.7	494.4	495.2	495.9	496.8	497.4	498.0	498.3	498.9
170°	494.1	494.8	495.4	496.1	496.8	497.3	498.2	498.7	499.5	499.9	500.8
172.5°	499.2	499.7	500.2	500.7	501.1	501.8	502.4	502.7	503.4	503.8	504.5
175°	503.3	503.3	503.5	503.6	503.7	503.7	503.9	504.2	504.4	504.6	504.7
177.5°	505.1	505.4	505.6	505.7	505.9	506.2	506.4	506.5	506.5	506.5	506.5
180°	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1



TEST NUMBER: P1444775
 CATALOG NUMBER: EHBR1-54-UNV-TA-L935-UPL36

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4
2.5°	42434.9	42436.7	42402.5	42400.6	42368.5	42364.5	42333.3	42323.8	42298.4	42289.2	42263.4
5°	43722.3	43680.6	43584.3	43527.6	43432.4	43369.4	43266.3	43199.1	43099.7	43024.6	42924.6
7.5°	45024.4	44959.6	44851.5	44763.9	44631.7	44526.2	44371.7	44245.1	44077.6	43932.7	43756.8
10°	45406.3	45396.3	45368.8	45328.6	45267.2	45198.1	45092.9	44983.2	44836.4	44677.0	44481.5
12.5°	44466.7	44568.1	44706.5	44788.5	44888.2	44932.0	44972.9	44962.6	44935.7	44855.0	44742.1
15°	42086.4	42371.5	42749.1	43041.7	43378.3	43622.9	43893.1	44061.4	44229.3	44306.8	44354.3
17.5°	38300.0	38839.8	39516.8	40077.8	40725.1	41245.0	41814.9	42243.9	42685.1	43001.1	43287.0
20°	33436.4	34218.5	35175.9	36021.7	37005.2	37859.9	38796.4	39565.3	40358.2	40978.2	41565.1
22.5°	28160.9	29089.8	30247.4	31319.6	32587.4	33726.9	35012.5	36131.4	37299.7	38275.7	39219.4
25°	22973.4	23992.2	25257.9	26454.1	27890.0	29215.4	30740.1	32134.6	33644.6	34955.6	36250.6
27.5°	18236.5	19236.7	20528.8	21802.3	23320.7	24732.9	26366.5	27902.9	29622.2	31207.7	32829.6
30°	14343.2	15191.4	16350.1	17583.5	19081.0	20518.2	22169.5	23749.7	25538.3	27269.4	29096.2
32.5°	11363.6	12009.9	12920.8	13963.7	15345.5	16713.6	18286.0	19811.4	21572.7	23321.4	25221.4
35°	9024.8	9528.9	10223.4	11037.3	12207.4	13386.8	14777.5	16164.7	17807.9	19467.3	21314.1
37.5°	7116.6	7525.5	8069.4	8680.9	9619.4	10587.2	11727.6	12877.7	14305.5	15776.5	17450.2
40°	5557.2	5888.4	6311.9	6767.8	7476.5	8222.2	9104.2	9996.0	11143.1	12345.3	13730.5
42.5°	4365.6	4610.0	4909.0	5242.3	5903.5	6299.4	6897.4	7542.5	8385.8	9258.5	10300.0
45°	3506.0	3672.6	3880.1	4103.6	4410.5	4746.3	5155.9	5585.4	6386.5	6779.5	7412.9
47.5°	2927.9	3039.7	3171.7	3312.5	3493.5	3688.9	3931.7	4180.2	4501.4	4834.3	5224.5
50°	2538.5	2652.3	2697.5	2770.6	2875.2	2986.8	3123.8	3260.7	3433.0	3607.6	3808.5
52.5°	2249.5	2286.6	2335.9	2382.3	2447.2	2574.2	2615.2	2686.8	2783.4	2877.9	2983.5
55°	2028.8	2052.9	2085.0	2113.0	2152.3	2189.8	2243.9	2291.6	2355.9	2412.9	2483.0
57.5°	1857.1	1872.5	1894.7	1913.1	1938.5	1959.6	1991.3	2017.1	2054.2	2086.5	2128.9
60°	1732.3	1742.5	1757.5	1769.4	1785.6	1796.6	1812.4	1824.5	1844.1	1860.4	1884.1
62.5°	1630.3	1635.6	1645.3	1652.4	1662.7	1668.3	1676.7	1682.0	1692.7	1700.9	1714.1
65°	1508.0	1509.2	1515.7	1518.7	1526.8	1529.8	1536.6	1539.1	1548.0	1554.0	1565.7
67.5°	1407.7	1405.0	1405.1	1402.8	1403.9	1401.5	1402.2	1399.6	1403.3	1405.1	1414.0
70°	1316.3	1312.4	1311.1	1306.9	1305.7	1301.3	1300.0	1296.1	1295.7	1294.4	1297.6
72.5°	1227.1	1226.0	1226.3	1223.4	1223.0	1220.1	1220.2	1218.4	1220.4	1221.3	1225.4
75°	1124.5	1124.8	1126.8	1124.2	1125.0	1122.5	1123.4	1121.1	1122.3	1121.9	1125.9
77.5°	999.7	1002.7	1008.1	1007.0	1008.7	1005.9	1007.2	1003.9	1004.8	1002.7	1004.2
80°	859.4	865.5	872.9	872.6	875.7	873.7	876.4	873.3	874.6	870.9	869.9
82.5°	692.7	698.0	705.8	706.0	712.9	714.2	721.8	721.4	726.2	723.2	721.0
85°	473.6	477.1	484.0	487.7	494.8	499.1	506.4	509.4	504.1	513.7	506.1
87.5°	247.2	256.5	251.3	263.3	260.5	272.6	270.0	281.2	279.1	288.7	287.4
90°	95.6	97.1	105.1	107.1	116.7	119.6	123.8	120.3	124.3	121.0	124.9
92.5°	85.0	91.2	96.9	102.7	108.4	114.4	108.9	103.5	98.2	93.0	87.5
95°	115.1	123.5	132.0	140.5	148.9	157.3	148.3	139.4	130.3	121.3	112.2
97.5°	135.0	144.1	153.2	162.2	171.4	180.5	169.8	159.1	148.4	137.9	127.1
100°	190.0	207.6	225.1	242.7	260.4	277.9	258.0	238.0	218.2	198.2	178.3
102.5°	379.9	420.1	460.4	500.8	541.0	581.2	539.0	496.8	454.3	412.1	369.7
105°	707.3	771.7	836.2	900.5	965.0	1029.7	961.1	892.5	823.8	755.3	686.5
107.5°	1041.5	1104.1	1167.3	1230.0	1293.0	1356.0	1286.5	1216.8	1147.5	1077.8	1008.2
110°	1233.7	1271.4	1309.4	1347.3	1385.1	1423.3	1372.5	1321.9	1271.1	1220.3	1169.5



TEST NUMBER: P1444775
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CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	1271.0	1290.3	1309.2	1328.5	1347.5	1366.7	1330.5	1294.4	1258.1	1222.1	1185.7
115°	1194.2	1200.3	1206.7	1213.0	1219.3	1225.5	1201.2	1177.0	1152.7	1128.4	1103.7
117.5°	1051.6	1051.1	1050.1	1049.6	1048.6	1047.9	1034.4	1021.0	1007.5	993.9	980.3
120°	907.6	903.0	898.3	893.5	888.7	883.9	878.5	873.0	867.3	861.6	855.8
122.5°	782.6	779.8	776.5	773.4	770.1	766.8	764.9	763.0	761.0	759.1	756.8
125°	684.7	684.9	685.2	685.5	685.5	685.8	684.8	684.1	683.1	682.4	681.3
127.5°	618.5	621.2	623.7	626.4	628.6	631.3	631.3	631.4	631.3	631.3	631.3
130°	578.2	582.9	587.0	591.0	595.0	599.5	599.0	598.8	598.4	598.1	597.8
132.5°	555.1	559.9	564.7	569.8	574.3	579.1	578.6	578.3	577.5	577.3	576.7
135°	540.3	545.0	549.3	554.2	558.5	563.0	562.3	561.6	560.7	560.2	559.5
137.5°	530.6	534.6	538.2	541.9	545.3	549.1	548.1	547.5	546.6	546.1	545.2
140°	523.9	527.0	529.9	532.9	535.8	538.7	537.5	536.6	535.5	534.5	533.3
142.5°	519.2	521.6	523.6	526.1	528.0	530.4	528.6	527.0	525.5	523.9	522.3
145°	517.8	519.5	521.0	522.4	523.5	525.2	523.1	521.4	519.1	517.5	515.4
147.5°	513.7	514.9	515.5	516.7	517.2	518.3	516.3	514.5	512.6	510.6	508.6
150°	508.5	509.6	510.4	511.2	511.9	512.8	510.7	508.7	506.5	504.5	502.5
152.5°	501.1	502.0	502.7	503.4	504.1	504.7	502.7	501.0	498.8	496.8	494.8
155°	496.3	497.1	497.4	498.0	498.2	498.7	496.8	495.4	493.8	492.0	490.2
157.5°	493.9	494.6	495.0	495.3	495.7	496.1	494.9	493.7	492.2	491.1	489.8
160°	493.0	493.5	493.9	494.3	494.8	494.9	493.8	493.1	492.0	490.8	489.5
162.5°	494.4	495.2	495.7	496.3	496.9	497.4	496.1	495.0	493.7	492.4	491.0
165°	495.7	496.1	496.6	497.0	497.2	497.7	496.8	496.0	495.0	494.4	493.3
167.5°	499.3	499.9	500.2	500.7	500.8	501.1	500.3	499.7	498.7	497.8	496.8
170°	501.2	501.7	502.4	502.9	503.3	503.6	503.1	502.5	501.7	500.9	500.0
172.5°	504.9	505.5	505.6	506.2	506.4	506.8	506.2	505.4	504.7	503.9	503.0
175°	504.7	504.8	505.2	505.2	505.2	505.4	504.7	504.1	503.6	502.9	502.3
177.5°	506.5	506.5	506.5	506.5	506.5	506.5	506.0	505.6	505.2	504.8	504.2
180°	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1



TEST NUMBER: P1444775
 CATALOG NUMBER: EHBR1-54-UNV-TA-L935-UPL36

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4	41990.4
2.5°	42254.2	42235.8	42224.0	42208.9	42199.7	42188.1	42179.5	42172.1	42166.2	42160.8	42156.7
5°	42848.3	42753.9	42680.6	42601.2	42536.0	42470.9	42420.8	42379.3	42350.7	42329.2	42316.4
7.5°	43604.9	43431.9	43278.2	43116.3	42971.2	42828.6	42705.6	42599.6	42520.2	42468.6	42437.3
10°	44280.3	44049.0	43820.0	43579.1	43350.7	43129.1	42924.6	42744.7	42602.3	42507.7	42452.5
12.5°	44583.2	44386.0	44152.3	43890.7	43610.7	43327.5	43051.4	42802.4	42593.4	42453.2	42372.3
15°	44316.5	44235.6	44077.0	43873.9	43608.2	43315.4	42991.2	42686.5	42406.2	42224.4	42119.1
17.5°	43448.9	43561.9	43549.7	43472.1	43281.1	43034.6	42704.2	42362.0	42011.4	41768.4	41635.8
20°	41984.8	42339.9	42520.2	42612.6	42537.6	42377.8	42078.6	41731.3	41322.6	41005.5	40811.9
22.5°	39927.3	40554.3	40945.0	41231.0	41291.6	41237.2	40973.1	40642.7	40187.2	39806.0	39520.0
25°	37278.7	38197.2	38814.8	39298.9	39486.9	39535.4	39310.8	38982.2	38474.5	38030.3	37637.7
27.5°	34158.9	35352.5	36177.0	36827.5	37121.2	37248.5	37041.7	36706.4	36105.7	35575.5	35062.6
30°	30646.7	32062.8	33055.5	33835.5	34193.4	34361.7	34142.0	33767.8	33068.8	32430.7	31784.6
32.5°	26887.5	28437.2	29518.9	30365.9	30720.6	30878.9	30591.4	30171.2	29363.3	28611.6	27858.1
35°	22951.7	24515.8	25606.7	26431.2	26728.5	26823.8	26456.3	25970.6	25075.4	24250.5	23428.8
37.5°	18935.7	20391.0	21382.4	22122.4	22306.3	22322.8	21879.9	21343.5	20402.6	19589.1	18771.3
40°	14954.4	16181.7	16982.2	17574.4	17638.3	17581.3	17099.8	16560.0	15679.8	14951.0	14233.0
42.5°	11204.3	12130.7	12701.8	13107.7	13083.6	12971.0	12529.5	12065.5	11339.4	10784.2	10219.2
45°	7991.5	8602.2	8936.2	9173.8	9097.5	8990.2	8646.7	8321.4	7827.9	7469.3	7089.7
47.5°	5551.8	6281.2	6154.2	6618.6	6218.5	6482.7	5932.5	5629.1	5367.2	5176.8	4962.2
50°	3974.6	4141.7	4222.5	4277.6	4248.3	4207.7	4108.8	4020.5	3900.8	3813.7	3712.1
52.5°	3069.5	3153.0	3198.8	3232.0	3225.4	3210.7	3167.5	3128.1	3072.1	3035.2	2990.7
55°	2600.0	2601.3	2685.4	2649.3	2702.7	2640.1	2664.7	2595.5	2606.7	2547.2	2507.2
57.5°	2160.5	2194.8	2210.2	2225.0	2220.9	2218.2	2201.6	2193.1	2174.4	2168.6	2155.2
60°	1900.5	1918.3	1922.1	1928.9	1923.1	1921.0	1907.9	1903.3	1890.6	1888.3	1879.5
62.5°	1722.1	1731.3	1731.3	1731.3	1723.8	1716.7	1702.2	1694.6	1683.9	1681.5	1676.3
65°	1573.3	1582.8	1584.4	1586.4	1581.0	1575.4	1562.6	1554.4	1543.3	1539.1	1533.1
67.5°	1419.8	1429.8	1433.3	1438.4	1435.3	1434.2	1425.5	1422.2	1414.9	1413.2	1407.7
70°	1299.1	1303.3	1303.0	1302.8	1296.1	1290.0	1279.8	1275.0	1267.4	1265.9	1260.9
72.5°	1227.4	1230.3	1228.4	1225.8	1216.9	1208.0	1196.1	1187.4	1177.4	1171.2	1164.2
75°	1126.4	1130.3	1127.7	1126.1	1118.1	1112.2	1102.7	1097.9	1090.9	1088.9	1084.1
77.5°	1002.4	1004.2	1000.1	999.7	993.6	989.9	982.7	981.5	976.4	976.6	971.9
80°	864.4	863.2	856.7	855.5	849.4	847.9	842.3	842.5	838.4	840.2	836.9
82.5°	711.2	707.3	698.8	696.2	689.3	688.6	684.9	688.0	685.5	689.3	687.1
85°	509.6	510.7	507.0	507.0	505.0	505.6	505.3	507.6	507.9	511.4	511.3
87.5°	284.1	288.2	287.4	291.2	291.0	295.2	296.6	302.8	303.6	309.3	309.3
90°	121.6	126.3	122.8	127.5	126.2	132.1	131.7	137.6	136.6	141.5	139.1
92.5°	82.1	76.8	71.6	66.1	63.4	60.4	58.3	55.0	52.7	49.7	46.9
95°	103.1	94.1	85.0	76.0	72.9	69.6	66.5	63.4	60.3	57.2	54.1
97.5°	116.4	105.7	95.0	84.3	81.6	78.9	76.0	73.4	70.7	68.1	65.3
100°	158.2	138.3	118.5	98.3	96.1	93.8	91.5	89.3	87.0	84.6	82.3
102.5°	327.5	284.9	242.5	200.1	192.1	184.1	176.0	167.9	159.8	151.8	143.7
105°	617.9	549.1	480.4	411.7	389.8	368.0	346.1	324.2	302.4	280.5	258.7
107.5°	938.4	868.6	798.9	729.1	689.0	648.6	608.2	567.6	527.5	486.9	446.5
110°	1118.8	1067.8	1016.9	965.8	933.6	901.1	868.5	836.0	803.5	770.8	738.3



TEST NUMBER: P1444775
 CATALOG NUMBER: EHBR1-54-UNV-TA-L935-UPL36

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1149.4	1113.0	1076.7	1040.0	1025.4	1010.6	996.1	981.3	966.6	951.6	937.0
115°	1079.3	1054.8	1030.2	1005.5	1000.6	995.3	990.3	985.0	979.8	974.5	969.1
117.5°	966.7	953.0	939.2	925.5	926.4	927.4	928.4	929.2	929.9	930.5	931.3
120°	850.0	844.3	838.7	832.8	837.5	842.0	846.7	851.0	855.4	859.6	863.8
122.5°	754.8	752.6	750.6	748.2	753.9	759.5	764.9	770.3	775.5	780.5	785.5
125°	680.6	679.5	678.6	677.3	683.2	688.7	694.3	699.5	704.9	709.8	715.0
127.5°	631.3	631.3	631.3	631.0	635.3	639.1	643.2	646.8	650.7	654.1	657.5
130°	597.5	596.9	596.7	596.2	600.0	603.7	607.4	610.7	614.2	617.1	620.0
132.5°	576.2	575.6	575.2	574.5	577.4	580.1	582.9	585.0	587.5	589.4	591.4
135°	558.8	557.9	557.3	556.4	559.1	561.7	564.2	566.3	568.5	570.2	572.1
137.5°	544.5	543.7	542.9	542.0	544.5	546.8	549.0	550.9	552.8	554.5	555.9
140°	532.5	531.1	530.4	529.0	531.3	533.2	535.3	537.0	538.8	540.1	541.5
142.5°	520.8	518.9	517.7	515.8	517.4	518.9	520.3	521.6	523.0	523.9	524.8
145°	513.5	511.3	509.6	507.5	508.7	509.9	511.1	512.3	512.9	513.5	514.3
147.5°	506.9	504.7	502.7	500.7	502.0	502.7	503.5	503.9	504.9	505.3	505.7
150°	500.4	498.0	495.9	493.7	494.5	495.0	495.6	496.3	496.8	497.1	497.6
152.5°	492.7	490.6	488.5	486.2	486.8	487.2	487.6	487.9	488.3	488.5	488.8
155°	488.5	486.7	484.8	482.8	483.4	483.6	483.9	484.1	484.3	484.3	484.4
157.5°	488.3	486.5	485.4	483.6	483.6	483.7	483.8	483.3	483.3	483.1	482.9
160°	488.5	487.1	485.9	484.5	484.3	484.3	484.3	483.9	483.8	483.3	483.2
162.5°	489.6	488.1	486.5	485.0	484.8	484.9	484.8	484.3	484.3	483.9	483.6
165°	492.4	491.3	490.2	488.9	488.7	488.4	488.2	487.6	487.3	486.7	486.2
167.5°	495.7	494.7	493.4	492.1	492.1	492.2	492.1	491.9	491.8	491.3	491.2
170°	499.2	498.3	497.5	496.5	496.1	496.0	495.7	495.4	494.9	494.6	494.1
172.5°	502.0	501.2	500.2	499.1	499.1	498.9	498.7	498.5	498.0	497.8	497.6
175°	501.5	500.9	499.9	499.3	499.2	499.0	498.8	498.7	498.4	498.2	497.9
177.5°	503.8	503.4	502.7	502.2	502.1	502.1	501.9	501.7	501.7	501.7	501.5
180°	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1



TEST NUMBER: P1444775
 CATALOG NUMBER: EHBR1-54-UNV-TA-L935-UPL36

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	41990.4	41990.4
2.5°	42153.0	42150.8
5°	42309.7	42307.3
7.5°	42429.0	42428.2
10°	42442.9	42450.3
12.5°	42358.3	42364.2
15°	42111.0	42122.6
17.5°	41638.2	41653.3
20°	40823.7	40839.5
22.5°	39504.6	39511.2
25°	37586.9	37559.7
27.5°	34972.5	34925.7
30°	31648.9	31603.6
32.5°	27686.3	27658.0
35°	23225.7	23207.8
37.5°	18529.5	18493.1
40°	13970.4	13864.3
42.5°	9971.8	9785.5
45°	6891.4	6670.6
47.5°	4810.9	4674.4
50°	3646.5	3602.5
52.5°	2971.3	2961.0
55°	2507.1	2502.6
57.5°	2158.2	2156.6
60°	1884.1	1883.6
62.5°	1679.8	1680.5
65°	1535.9	1536.1
67.5°	1409.2	1408.3
70°	1262.7	1261.6
72.5°	1161.9	1160.2
75°	1084.1	1083.0
77.5°	973.2	971.6
80°	839.1	836.9
82.5°	690.2	687.7
85°	514.8	515.0
87.5°	314.9	314.9
90°	143.7	140.7
92.5°	44.7	42.2
95°	51.0	47.9
97.5°	62.7	60.0
100°	80.0	77.8
102.5°	135.8	127.7
105°	236.8	215.0
107.5°	406.1	365.8
110°	705.8	673.2



TEST NUMBER: P1444775
CATALOG NUMBER: EHBR1-54-UNV-TA-L935-UPL36

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	922.0	907.1
115°	963.5	958.2
117.5°	931.7	932.3
120°	867.6	871.7
122.5°	790.2	794.9
125°	719.6	724.4
127.5°	660.6	663.5
130°	622.3	625.1
132.5°	592.9	594.3
135°	573.3	574.5
137.5°	556.9	558.0
140°	542.2	543.2
142.5°	525.4	525.9
145°	514.8	515.2
147.5°	505.5	505.7
150°	497.5	497.6
152.5°	488.5	488.7
155°	484.2	484.2
157.5°	482.3	482.0
160°	482.5	482.3
162.5°	483.1	482.8
165°	485.4	484.8
167.5°	490.7	490.6
170°	493.7	493.4
172.5°	497.1	496.8
175°	497.8	497.6
177.5°	501.5	501.1
180°	504.1	504.1

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-6

Test Date: 08/01/2025

Luminaire Tested: EHBR-60-L935-N

Data in this report applies to families of products including EHBR-60-L935-N

REPORT NUMBER: SP1-2506-472-6

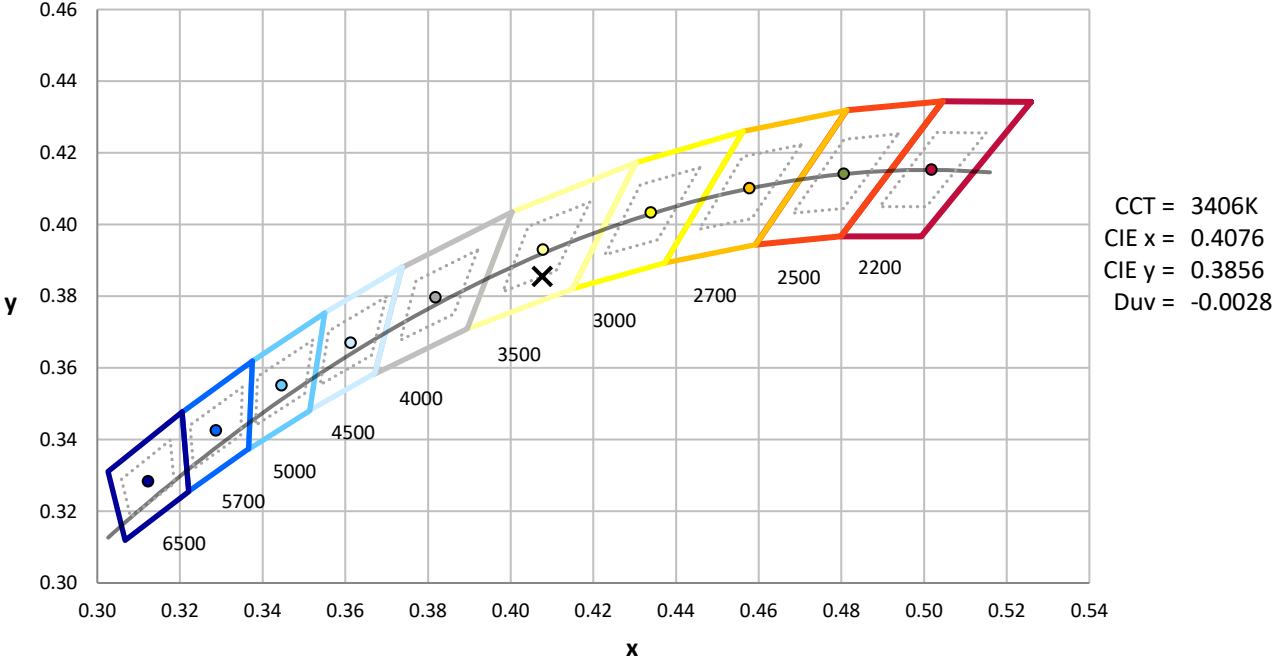
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208	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: SP1-2506-472-6

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-6

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	140	NR	620	338	NR	750	8	NR	880	0	NR
365	0	NR	495	159	NR	625	339	NR	755	7	NR	885	0	NR
370	0	NR	500	182	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	202	NR	635	653	NR	765	5	NR	895	0	NR
380	0	NR	510	216	NR	640	222	NR	770	4	NR	900	0	NR
385	0	NR	515	228	NR	645	214	NR	775	3	NR	905	0	NR
390	0	NR	520	236	NR	650	185	NR	780	3	NR	910	0	NR
395	1	NR	525	242	NR	655	157	NR	785	3	NR	915	0	NR
400	2	NR	530	248	NR	660	133	NR	790	2	NR	920	0	NR
405	3	NR	535	253	NR	665	113	NR	795	2	NR	925	0	NR
410	4	NR	540	258	NR	670	103	NR	800	2	NR	930	0	NR
415	7	NR	545	264	NR	675	85	NR	805	1	NR	935	0	NR
420	13	NR	550	270	NR	680	72	NR	810	1	NR	940	0	NR
425	22	NR	555	278	NR	685	62	NR	815	1	NR	945	0	NR
430	38	NR	560	286	NR	690	53	NR	820	1	NR	950	0	NR
435	65	NR	565	295	NR	695	45	NR	825	1	NR	955	0	NR
440	108	NR	570	303	NR	700	39	NR	830	1	NR	960	0	NR
445	193	NR	575	311	NR	705	33	NR	835	1	NR	965	0	NR
450	312	NR	580	319	NR	710	28	NR	840	1	NR	970	0	NR
455	300	NR	585	326	NR	715	24	NR	845	0	NR	975	0	NR
460	214	NR	590	332	NR	720	20	NR	850	0	NR	980	0	NR
465	184	NR	595	333	NR	725	17	NR	855	0	NR	985	0	NR
470	153	NR	600	336	NR	730	15	NR	860	0	NR	990	0	NR
475	122	NR	605	337	NR	735	12	NR	865	0	NR	995	0	NR
480	115	NR	610	367	NR	740	10	NR	870	0	NR	1000	0	NR
485	125	NR	615	390	NR	745	9	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-6

Scotopic Flux vs. Wavelength



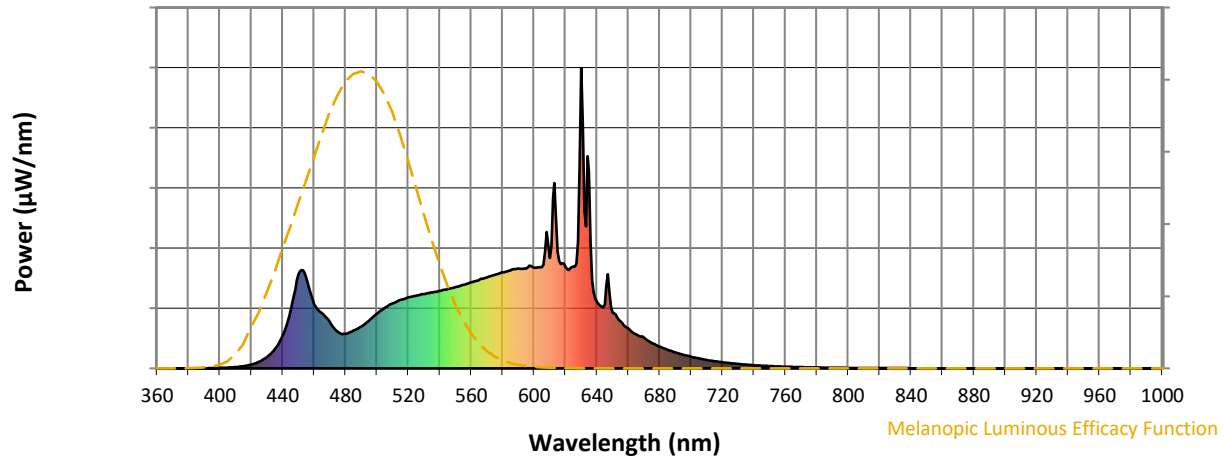
Scotopic Lumens: NR

S/P: 1.62

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	140	NR	620	338	NR	750	8	NR	880	0	NR
365	0	NR	495	159	NR	625	339	NR	755	7	NR	885	0	NR
370	0	NR	500	182	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	202	NR	635	653	NR	765	5	NR	895	0	NR
380	0	NR	510	216	NR	640	222	NR	770	4	NR	900	0	NR
385	0	NR	515	228	NR	645	214	NR	775	3	NR	905	0	NR
390	0	NR	520	236	NR	650	185	NR	780	3	NR	910	0	NR
395	1	NR	525	242	NR	655	157	NR	785	3	NR	915	0	NR
400	2	NR	530	248	NR	660	133	NR	790	2	NR	920	0	NR
405	3	NR	535	253	NR	665	113	NR	795	2	NR	925	0	NR
410	4	NR	540	258	NR	670	103	NR	800	2	NR	930	0	NR
415	7	NR	545	264	NR	675	85	NR	805	1	NR	935	0	NR
420	13	NR	550	270	NR	680	72	NR	810	1	NR	940	0	NR
425	22	NR	555	278	NR	685	62	NR	815	1	NR	945	0	NR
430	38	NR	560	286	NR	690	53	NR	820	1	NR	950	0	NR
435	65	NR	565	295	NR	695	45	NR	825	1	NR	955	0	NR
440	108	NR	570	303	NR	700	39	NR	830	1	NR	960	0	NR
445	193	NR	575	311	NR	705	33	NR	835	1	NR	965	0	NR
450	312	NR	580	319	NR	710	28	NR	840	1	NR	970	0	NR
455	300	NR	585	326	NR	715	24	NR	845	0	NR	975	0	NR
460	214	NR	590	332	NR	720	20	NR	850	0	NR	980	0	NR
465	184	NR	595	333	NR	725	17	NR	855	0	NR	985	0	NR
470	153	NR	600	336	NR	730	15	NR	860	0	NR	990	0	NR
475	122	NR	605	337	NR	735	12	NR	865	0	NR	995	0	NR
480	115	NR	610	367	NR	740	10	NR	870	0	NR	1000	0	NR
485	125	NR	615	390	NR	745	9	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-6

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.3

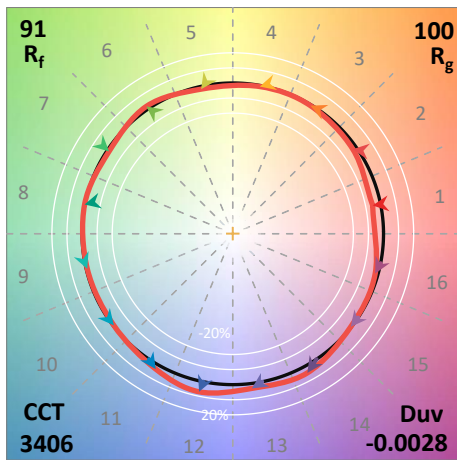
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	140	NR	620	338	NR	750	8	NR	880	0	NR
365	0	NR	495	159	NR	625	339	NR	755	7	NR	885	0	NR
370	0	NR	500	182	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	202	NR	635	653	NR	765	5	NR	895	0	NR
380	0	NR	510	216	NR	640	222	NR	770	4	NR	900	0	NR
385	0	NR	515	228	NR	645	214	NR	775	3	NR	905	0	NR
390	0	NR	520	236	NR	650	185	NR	780	3	NR	910	0	NR
395	1	NR	525	242	NR	655	157	NR	785	3	NR	915	0	NR
400	2	NR	530	248	NR	660	133	NR	790	2	NR	920	0	NR
405	3	NR	535	253	NR	665	113	NR	795	2	NR	925	0	NR
410	4	NR	540	258	NR	670	103	NR	800	2	NR	930	0	NR
415	7	NR	545	264	NR	675	85	NR	805	1	NR	935	0	NR
420	13	NR	550	270	NR	680	72	NR	810	1	NR	940	0	NR
425	22	NR	555	278	NR	685	62	NR	815	1	NR	945	0	NR
430	38	NR	560	286	NR	690	53	NR	820	1	NR	950	0	NR
435	65	NR	565	295	NR	695	45	NR	825	1	NR	955	0	NR
440	108	NR	570	303	NR	700	39	NR	830	1	NR	960	0	NR
445	193	NR	575	311	NR	705	33	NR	835	1	NR	965	0	NR
450	312	NR	580	319	NR	710	28	NR	840	1	NR	970	0	NR
455	300	NR	585	326	NR	715	24	NR	845	0	NR	975	0	NR
460	214	NR	590	332	NR	720	20	NR	850	0	NR	980	0	NR
465	184	NR	595	333	NR	725	17	NR	855	0	NR	985	0	NR
470	153	NR	600	336	NR	730	15	NR	860	0	NR	990	0	NR
475	122	NR	605	337	NR	735	12	NR	865	0	NR	995	0	NR
480	115	NR	610	367	NR	740	10	NR	870	0	NR	1000	0	NR
485	125	NR	615	390	NR	745	9	NR	875	0	NR			

Summary

$R_f = 91.3$
 $R_g = 100$
 $CIE R_a = 94.6$
 $R_9 = 63.8$



Color Vector Graphics

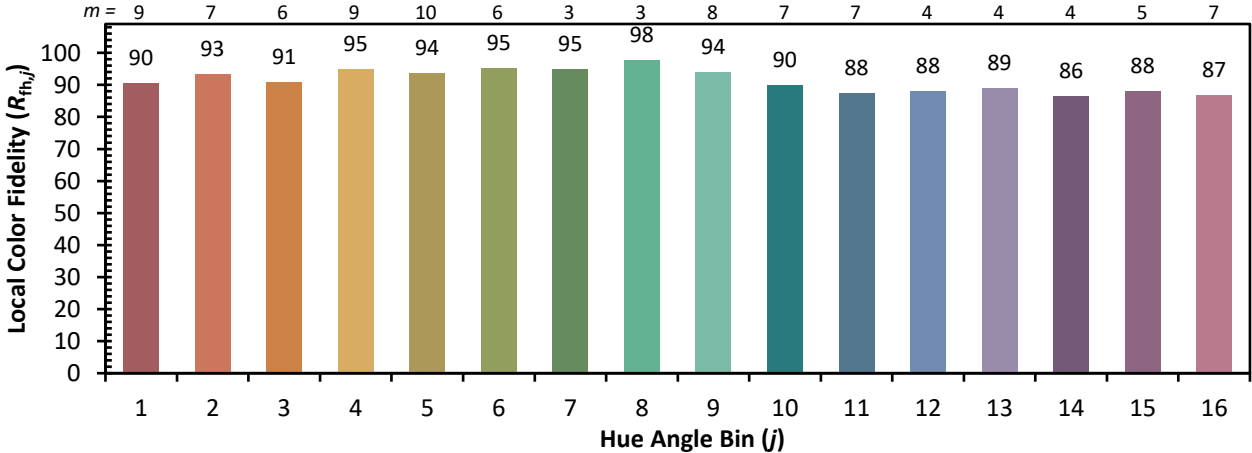


Individual Sample Fidelity Index ($R_{f,i}$)

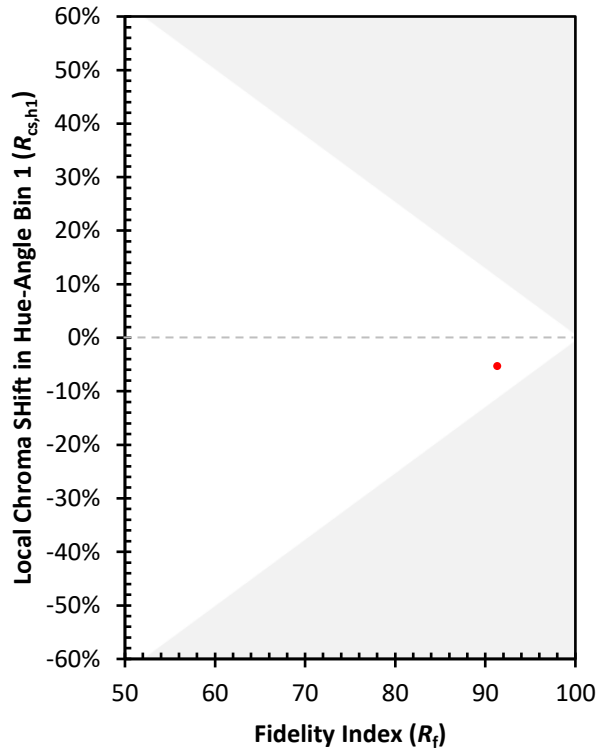
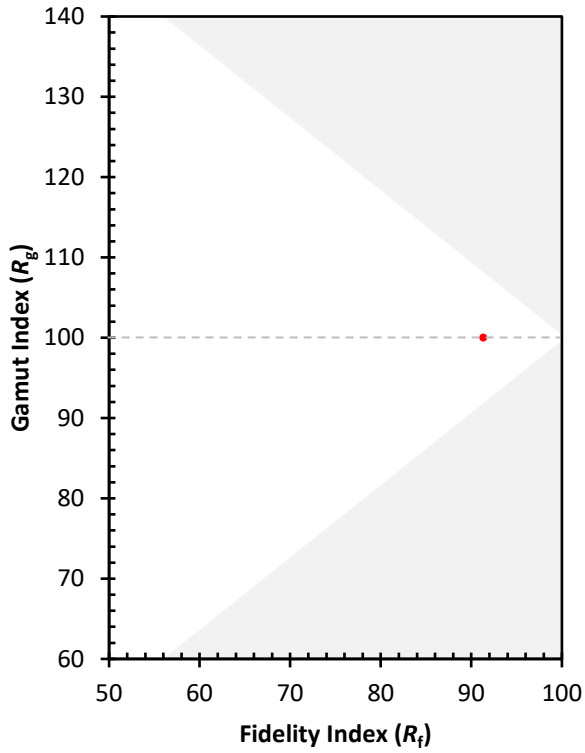
CES01 = 86	CES26 = 94	CES51 = 97	CES76 = 90
CES02 = 63	CES27 = 92	CES52 = 98	CES77 = 86
CES03 = 31	CES28 = 97	CES53 = 98	CES78 = 86
CES04 = 70	CES29 = 97	CES54 = 93	CES79 = 90
CES05 = 50	CES30 = 92	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 97	CES56 = 96	CES81 = 74
CES07 = 43	CES32 = 89	CES57 = 94	CES82 = 96
CES08 = 41	CES33 = 99	CES58 = 95	CES83 = 94
CES09 = 29	CES34 = 94	CES59 = 98	CES84 = 95
CES10 = 75	CES35 = 97	CES60 = 92	CES85 = 79
CES11 = 58	CES36 = 81	CES61 = 93	CES86 = 79
CES12 = 64	CES37 = 96	CES62 = 86	CES87 = 92
CES13 = 44	CES38 = 87	CES63 = 94	CES88 = 98
CES14 = 74	CES39 = 99	CES64 = 91	CES89 = 84
CES15 = 72	CES40 = 97	CES65 = 90	CES90 = 96
CES16 = 48	CES41 = 96	CES66 = 89	CES91 = 75
CES17 = 49	CES42 = 94	CES67 = 88	CES92 = 76
CES18 = 56	CES43 = 93	CES68 = 89	CES93 = 86
CES19 = 71	CES44 = 99	CES69 = 90	CES94 = 74
CES20 = 67	CES45 = 97	CES70 = 88	CES95 = 83
CES21 = 86	CES46 = 97	CES71 = 83	CES96 = 92
CES22 = 78	CES47 = 91	CES72 = 94	CES97 = 96
CES23 = 91	CES48 = 91	CES73 = 83	CES98 = 95
CES24 = 90	CES49 = 96	CES74 = 90	CES99 = 92
CES25 = 71	CES50 = 98	CES75 = 85	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)