

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: P1444774

Luminaire Tested: EHBR1-54-UNV-TA-L935-UPL30

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444774
REPORT IS A COMBINATION OF REPORTS P1444343 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-UPL30
Description: Elevate Round Highbay at, 54000 lumens, 3500K 90CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

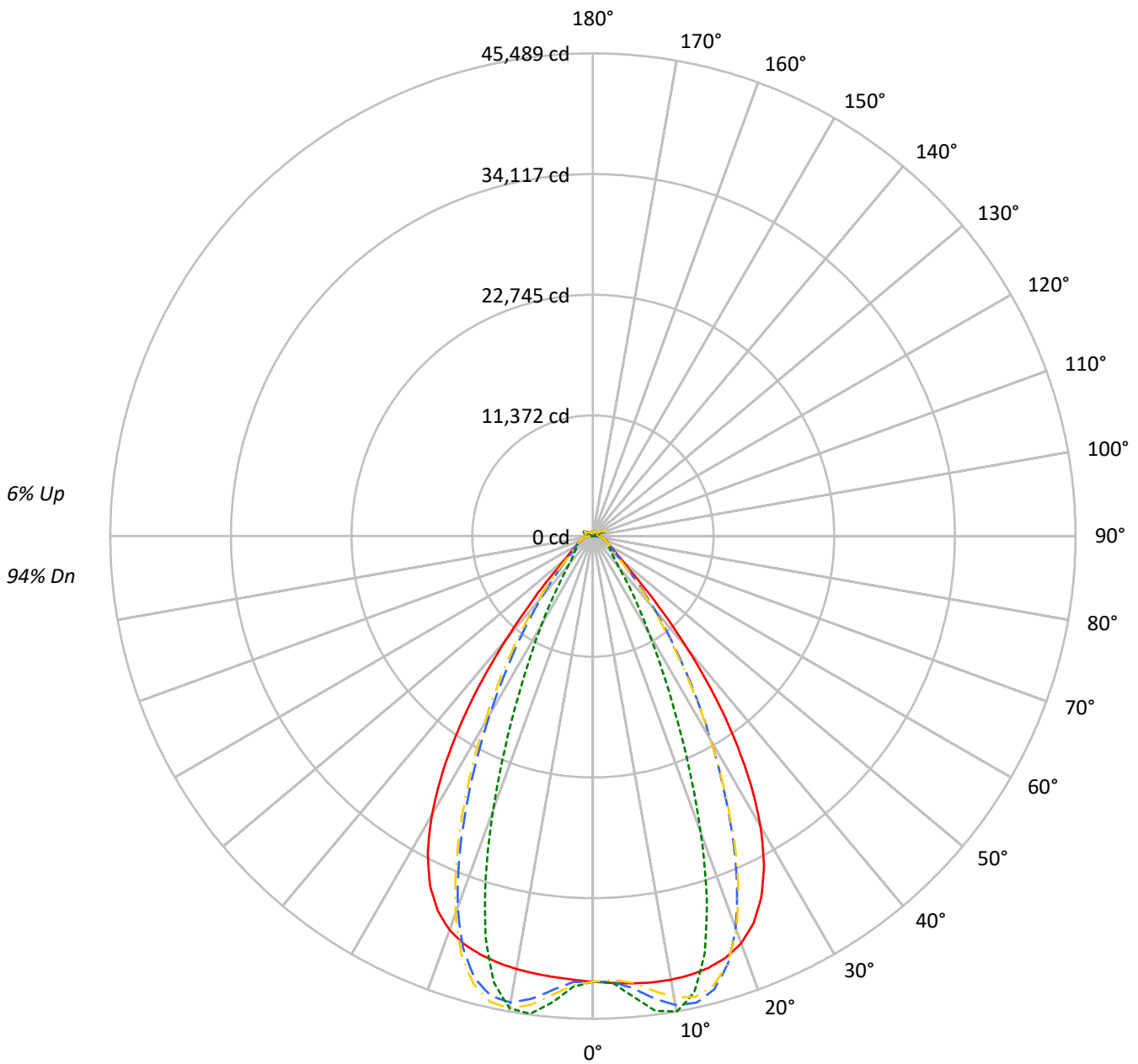
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 51378.9 lumens
Efficiency: N/A
Efficacy: 161.6 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): 318
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: P1444774
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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	97	97	97	94
1	110	107	104	101	107	104	102	99	99	97	95	94	93	91	90	89	87	87	87	87	85
2	104	98	93	89	101	96	91	87	91	88	84	87	84	82	84	81	79	79	79	79	77
3	97	90	84	79	95	88	82	78	84	80	76	81	77	74	78	75	72	72	72	72	70
4	92	83	76	71	89	81	75	71	78	73	69	75	71	68	73	69	66	66	66	66	64
5	86	77	70	65	84	75	69	64	73	67	63	70	66	62	68	64	61	61	61	61	59
6	81	71	64	60	79	70	64	59	68	62	58	66	61	57	64	60	57	57	57	57	55
7	77	66	60	55	75	65	59	55	64	58	54	62	57	53	60	56	52	52	52	52	51
8	73	62	56	51	71	61	55	51	60	54	50	58	53	49	57	52	49	49	49	49	47
9	69	58	52	47	67	58	51	47	56	51	47	55	50	46	54	49	46	46	46	46	44
10	66	55	49	44	64	54	48	44	53	47	44	52	47	43	51	46	43	43	43	43	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	8.1
10°-20°	11641.3	22.7
20°-30°	13258.6	25.8
30°-40°	9529.6	18.5
40°-50°	4395.1	8.6
50°-60°	2103.2	4.1
60°-70°	1534.6	3.0
70°-80°	1165.9	2.3
80°-90°	535.2	1.0
90°-100°	89.9	0.2
100°-110°	494.3	1.0
110°-120°	912.7	1.8
120°-130°	564.3	1.1
130°-140°	370.5	0.7
140°-150°	281.0	0.5
150°-160°	199.8	0.4
160°-170°	122.5	0.2
170°-180°	42.3	0.1
0°-30°	29038.1	56.5
0°-40°	38567.8	75.1
0°-60°	45066.1	87.7
0°-90°	48301.7	94.0
90°-120°	1496.9	2.9
90°-150°	2712.6	5.3
90°-180°	3077.0	6.0
0°-180°	51378.9	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°	136	174	37	46	136	86
95°	41	45	41	46	41	39
105°	180	231	122	231	180	238
115°	798	963	836	963	798	738
125°	609	630	688	632	609	555
135°	490	427	527	432	490	383
145°	446	426	473	432	446	281
155°	424	421	450	426	424	197
165°	428	425	443	429	428	122
175°	442	445	449	446	442	42
180°	448	448	448	448	448	



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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°	136.5	143.9	146.6	155.2	157.6	165.5	167.5	176.1	178.7	187.7	191.5
92.5°	36.2	38.3	40.5	43.1	45.4	48.5	51.2	53.7	56.1	59.1	63.7
95°	41.0	43.5	46.0	48.7	51.2	53.7	56.3	58.9	61.4	64.0	71.3
97.5°	51.0	53.3	55.5	57.7	59.9	62.2	64.3	66.6	68.8	71.0	79.8
100°	66.0	67.9	69.7	71.6	73.5	75.3	77.2	79.1	80.9	82.8	99.3
102.5°	107.6	114.2	120.9	127.5	134.2	140.7	147.6	154.0	160.7	167.3	202.2
105°	180.4	198.3	216.5	234.5	252.5	270.6	288.7	306.4	324.5	342.5	399.5
107.5°	305.6	338.9	372.3	405.8	439.2	472.6	506.0	539.3	572.5	605.7	663.5
110°	560.9	587.5	614.5	641.3	668.1	695.1	721.9	748.4	775.4	802.0	844.2



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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°	755.3	767.4	779.4	791.7	803.7	815.6	827.7	839.7	851.8	863.6	893.6
115°	798.4	802.5	806.8	810.8	815.1	819.0	823.1	827.1	831.3	835.1	855.4
117.5°	777.9	776.9	776.1	775.3	774.2	773.2	772.3	771.1	770.0	768.8	780.2
120°	728.8	724.8	721.1	716.9	713.0	708.8	705.0	700.8	696.6	692.3	697.1
122.5°	666.4	661.7	657.4	652.3	647.6	642.5	637.9	632.4	627.7	622.7	624.1
125°	609.2	604.3	600.0	595.0	589.9	584.9	579.9	574.7	569.6	564.4	564.9
127.5°	560.1	556.8	553.4	549.5	545.9	542.1	538.3	534.2	530.6	526.3	526.1
130°	529.7	526.7	523.4	520.0	516.7	513.0	509.4	505.6	502.1	498.2	498.1
132.5°	505.5	503.3	500.9	498.3	495.7	492.7	490.1	486.8	484.1	481.1	481.1
135°	490.5	488.2	486.2	483.8	481.4	478.4	475.6	472.7	469.9	466.9	467.1
137.5°	478.2	476.3	474.3	471.7	469.5	466.7	464.2	461.2	458.6	455.8	455.9
140°	467.0	465.2	463.3	461.0	458.9	456.5	454.0	451.4	448.7	446.1	446.5
142.5°	454.0	452.3	450.9	448.9	447.2	444.9	442.8	440.4	438.4	435.9	436.8
145°	446.1	444.7	443.6	441.9	440.1	438.1	436.3	434.0	432.3	430.2	431.1
147.5°	439.2	438.0	437.1	435.7	434.4	432.5	430.9	429.1	427.4	425.7	426.7
150°	433.3	432.3	431.3	430.1	428.7	427.1	425.5	424.0	422.3	420.6	421.6
152.5°	426.6	425.4	424.6	423.4	422.1	420.4	419.2	417.5	416.1	414.5	415.3
155°	423.7	422.5	421.4	420.4	419.1	417.6	416.2	414.8	413.6	411.9	412.6
157.5°	422.8	421.7	420.9	419.6	418.8	417.6	416.5	415.3	414.2	413.0	413.3
160°	424.1	423.1	422.2	421.0	419.9	418.7	417.8	416.5	415.7	414.5	414.6
162.5°	425.5	424.4	423.4	422.3	421.4	420.2	419.3	418.3	417.3	416.0	416.5
165°	428.1	427.6	426.8	426.0	425.2	424.4	423.7	422.7	422.0	421.0	421.3
167.5°	434.0	433.0	432.3	431.4	430.4	429.7	428.8	427.8	427.2	426.1	426.2
170°	437.1	436.3	435.9	435.4	434.8	434.1	433.7	433.0	432.4	431.8	432.0
172.5°	440.5	439.8	439.6	439.3	438.7	438.3	437.8	437.4	437.1	436.5	437.0
175°	441.6	441.1	441.0	440.7	440.4	440.0	439.9	439.6	439.6	439.1	439.4
177.5°	444.8	444.7	444.7	444.6	444.6	444.4	444.2	443.9	443.7	443.7	444.0
180°	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5



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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°	201.2	205.8	215.3	216.3	223.0	223.2	180.6	176.6	172.0	173.2	166.9
92.5°	68.7	73.1	78.1	82.7	87.6	92.4	92.1	95.3	91.0	85.8	81.8
95°	78.9	86.3	93.8	101.3	108.9	116.3	123.8	131.3	124.3	117.3	110.3
97.5°	88.7	97.6	106.3	115.1	124.0	132.9	141.7	150.6	143.1	135.2	127.7
100°	115.8	132.4	148.8	165.3	181.7	198.3	214.8	231.4	216.9	202.1	187.6
102.5°	237.2	272.3	307.3	342.3	377.3	412.4	447.7	482.9	449.4	415.9	382.5
105°	456.3	513.1	569.9	626.5	683.4	740.1	797.4	854.3	800.9	747.4	694.1
107.5°	721.0	778.8	836.1	893.6	951.3	1008.9	1067.2	1124.8	1072.7	1020.3	968.3
110°	886.1	928.0	970.0	1011.8	1053.7	1095.7	1138.6	1180.7	1149.2	1117.8	1086.4



TEST NUMBER: P1444774
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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°	923.4	953.5	983.4	1013.2	1042.9	1072.8	1104.1	1134.3	1118.4	1102.2	1086.6
115°	875.3	895.5	915.5	935.5	955.5	975.3	997.1	1017.6	1012.2	1006.8	1001.7
117.5°	791.1	802.2	813.3	824.2	835.1	846.1	859.4	870.7	871.2	871.7	872.3
120°	701.5	705.9	710.3	714.8	719.0	723.3	730.4	735.3	739.2	742.8	746.7
122.5°	625.6	627.1	628.4	629.8	631.2	632.4	637.0	639.0	641.3	643.9	646.3
125°	565.4	565.8	566.3	566.6	566.8	567.3	571.3	572.2	571.9	571.6	571.3
127.5°	525.9	525.6	525.2	524.9	524.3	524.0	527.4	527.8	525.5	523.2	520.8
130°	498.0	498.0	497.8	497.8	497.8	497.7	501.5	502.4	498.8	494.8	491.1
132.5°	481.0	481.2	480.9	481.2	481.2	481.1	485.4	486.5	482.5	478.0	473.9
135°	467.1	467.4	467.6	467.7	467.8	468.3	473.1	474.3	470.5	466.2	462.3
137.5°	455.9	456.2	456.3	456.8	456.9	457.2	462.6	464.0	460.9	457.3	454.2
140°	446.8	447.1	447.5	448.2	448.5	449.2	455.0	456.7	454.3	451.4	448.6
142.5°	437.2	438.2	439.0	440.1	440.9	442.1	448.8	451.0	449.1	446.7	444.8
145°	431.9	433.1	434.1	435.4	436.6	437.9	445.6	448.2	446.8	445.3	443.8
147.5°	427.2	428.2	429.2	430.3	431.5	433.1	441.0	443.7	442.9	441.8	440.8
150°	422.3	423.5	424.4	425.7	427.1	428.5	437.6	440.7	439.9	439.1	438.1
152.5°	416.0	417.0	418.0	419.0	420.1	421.5	432.4	435.9	435.2	434.2	433.6
155°	413.1	413.7	414.4	415.3	416.0	417.3	429.1	432.5	432.0	431.5	431.0
157.5°	413.6	413.9	414.1	414.6	415.2	415.9	428.2	432.0	431.3	430.9	430.4
160°	414.7	415.0	415.1	415.5	415.6	416.2	429.0	432.3	432.0	431.4	430.9
162.5°	416.6	417.4	417.6	418.1	418.5	419.3	432.0	435.9	435.1	434.5	433.9
165°	421.4	421.4	421.5	421.9	422.0	422.3	434.5	437.6	437.3	436.7	436.2
167.5°	426.3	426.7	426.8	427.2	427.4	428.0	439.3	442.3	442.0	441.4	441.0
170°	432.0	432.5	432.5	432.9	433.2	433.8	443.1	445.7	445.4	444.6	444.1
172.5°	437.2	437.8	438.1	438.5	438.8	439.4	447.4	449.8	449.4	448.9	448.3
175°	439.7	439.8	440.3	440.7	441.1	441.5	447.7	449.5	449.4	449.0	448.7
177.5°	444.4	444.5	444.8	445.2	445.6	445.8	449.6	450.7	450.6	450.6	450.4
180°	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5



TEST NUMBER: P1444774
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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°	166.2	160.1	162.2	159.6	164.0	161.6	165.8	162.5	167.8	167.6	174.6
92.5°	76.3	72.1	66.7	62.4	57.2	53.0	50.2	48.5	45.8	44.1	41.3
95°	103.3	96.3	89.3	82.3	75.3	68.3	65.8	63.3	60.6	58.1	55.6
97.5°	120.2	112.7	105.2	97.6	90.1	82.6	80.8	79.1	77.5	75.8	74.0
100°	172.9	158.4	143.9	129.2	114.7	100.2	98.9	97.5	96.2	94.8	93.4
102.5°	349.2	315.8	282.5	249.1	215.9	182.4	176.6	170.8	165.0	159.2	153.4
105°	640.6	587.1	533.8	480.4	427.2	373.8	357.9	341.8	325.9	310.1	294.1
107.5°	916.1	863.9	811.9	760.0	707.8	655.8	630.5	605.4	580.1	555.0	529.9
110°	1054.7	1023.3	992.2	960.5	929.4	898.2	873.9	850.0	825.8	801.8	777.9



TEST NUMBER: P1444774
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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°	1070.6	1054.8	1038.7	1023.1	1007.4	991.6	979.8	968.1	956.4	944.6	932.6
115°	996.2	991.0	985.7	980.7	975.7	970.4	969.4	968.6	967.4	966.6	965.8
117.5°	872.8	873.3	873.8	874.5	875.2	876.0	882.0	887.8	894.1	900.3	906.7
120°	750.4	754.2	757.9	762.0	765.8	769.7	777.6	785.9	793.9	802.6	810.9
122.5°	648.7	651.1	653.5	656.1	658.6	661.2	669.0	677.0	685.0	693.3	701.7
125°	570.6	570.3	569.9	569.4	569.0	568.9	575.1	581.5	588.1	594.9	601.5
127.5°	518.4	515.8	513.3	511.1	508.5	506.4	509.7	513.4	517.0	520.9	524.6
130°	487.2	483.3	479.3	475.7	471.6	467.9	468.8	470.0	471.1	472.5	473.7
132.5°	469.5	465.1	460.7	456.2	451.8	447.5	446.8	446.2	445.5	445.2	445.0
135°	458.0	454.0	449.5	445.4	440.9	437.0	435.4	433.9	432.4	431.1	430.0
137.5°	450.6	447.3	443.7	440.4	436.8	433.4	431.1	429.6	427.5	426.2	424.4
140°	445.7	443.2	440.1	437.3	434.3	431.7	429.8	428.3	426.7	425.3	423.9
142.5°	442.5	440.3	438.0	435.9	433.6	431.5	429.8	428.3	426.8	425.5	424.0
145°	442.2	440.8	439.2	437.6	436.0	434.5	433.0	431.9	430.6	429.4	428.6
147.5°	439.8	438.7	437.6	436.5	435.2	434.0	433.0	432.4	431.1	430.5	429.6
150°	437.0	436.1	435.0	434.2	433.0	432.0	431.2	430.7	429.9	429.6	428.8
152.5°	432.5	431.8	430.8	430.1	428.9	428.0	427.3	426.9	426.3	425.9	425.0
155°	430.1	429.5	428.8	428.1	427.2	426.7	426.0	425.2	424.5	423.9	423.2
157.5°	429.8	429.1	428.3	427.9	427.0	426.3	425.7	425.1	424.3	423.8	423.1
160°	430.3	429.8	429.1	428.4	427.8	427.2	426.2	425.5	424.6	424.0	423.1
162.5°	433.0	432.3	431.7	430.9	429.9	429.2	428.4	427.9	427.2	426.6	425.8
165°	435.6	434.9	434.3	433.7	433.2	432.6	431.7	431.1	430.1	429.4	428.5
167.5°	440.4	439.9	439.3	438.8	438.1	437.5	436.9	436.0	435.2	434.4	433.5
170°	443.6	442.9	442.4	441.6	440.9	440.1	439.5	438.7	437.8	437.4	436.5
172.5°	447.8	447.5	446.9	446.5	445.6	445.1	444.6	444.0	443.4	442.7	442.3
175°	448.5	448.5	448.3	447.8	447.6	447.3	447.0	446.8	446.5	446.4	445.9
177.5°	450.4	450.3	450.3	450.0	449.8	449.8	449.4	449.3	449.0	448.6	448.5
180°	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5



TEST NUMBER: P1444774
 CATALOG NUMBER: EHBR1-54-UNV-TA-L935-UPL30

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°	172.9	177.6	172.7	173.7	169.7	171.5	163.9	162.2	150.9	147.5	137.5
92.5°	39.4	36.8	34.6	32.4	35.3	36.9	39.7	41.3	44.0	45.8	48.5
95°	53.0	50.4	47.9	45.3	47.4	49.4	51.5	53.5	55.6	57.6	59.6
97.5°	72.3	70.7	69.0	67.2	68.4	69.6	70.8	72.0	73.2	74.4	75.7
100°	92.0	90.6	89.3	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
102.5°	147.6	141.8	136.0	130.2	134.1	138.0	142.0	145.9	149.8	153.7	157.9
105°	278.2	262.4	246.5	230.7	246.0	261.4	276.7	292.1	307.4	323.1	338.4
107.5°	504.6	479.6	454.5	429.4	457.6	485.6	513.5	541.5	569.5	597.5	625.7
110°	754.1	730.1	706.3	682.4	712.1	741.7	771.5	801.1	831.0	860.7	890.6



TEST NUMBER: P1444774
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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°	921.0	909.4	897.8	886.2	905.3	924.5	943.5	963.0	982.1	1001.4	1020.4
115°	965.0	964.2	963.6	962.9	971.9	981.0	990.0	999.2	1008.4	1017.4	1026.8
117.5°	912.9	919.2	925.6	932.2	935.1	938.0	941.0	943.9	947.1	950.2	953.4
120°	819.4	827.7	836.4	845.1	843.9	842.7	841.7	840.5	839.7	838.7	838.2
122.5°	710.1	718.4	727.1	735.7	733.1	730.5	728.1	725.8	723.6	721.4	719.4
125°	608.7	615.6	622.7	630.0	627.5	624.8	622.4	620.3	618.0	615.8	614.0
127.5°	528.9	533.2	537.4	541.8	540.6	539.4	538.6	537.6	536.9	536.4	535.9
130°	475.4	477.1	479.2	480.9	481.3	481.6	482.3	483.0	484.0	484.8	486.1
132.5°	445.2	445.1	445.5	445.7	447.1	448.5	450.3	451.9	454.1	455.9	458.5
135°	429.1	428.3	427.7	427.2	429.3	431.1	433.5	435.9	438.7	441.5	444.5
137.5°	423.3	422.0	421.3	420.1	422.2	424.2	426.5	429.0	431.5	434.4	437.6
140°	422.8	421.7	421.1	420.1	422.2	424.0	426.4	428.7	431.4	434.2	437.2
142.5°	423.1	421.8	421.2	420.4	422.1	424.0	426.2	428.3	430.9	433.2	435.9
145°	427.6	426.6	426.2	425.5	426.7	428.1	429.6	431.2	433.1	434.9	437.1
147.5°	429.0	428.3	428.1	427.5	428.5	429.4	430.6	431.6	433.1	434.4	436.1
150°	428.7	428.1	427.8	427.6	428.2	428.7	429.6	430.1	431.1	431.9	433.2
152.5°	424.9	424.3	424.3	424.1	424.4	424.9	425.6	426.2	427.0	427.6	428.9
155°	422.8	422.3	421.9	421.4	421.4	421.5	421.8	421.9	422.3	422.6	423.0
157.5°	422.7	422.2	421.8	421.2	421.1	420.8	420.8	420.7	420.8	420.4	420.6
160°	422.6	421.6	421.0	420.4	420.4	420.1	420.3	420.0	420.2	420.3	420.4
162.5°	425.3	424.7	424.3	423.6	423.3	422.7	422.3	421.8	421.4	421.2	421.0
165°	427.7	427.0	426.2	425.3	425.2	424.9	424.6	424.3	424.2	423.8	423.9
167.5°	433.0	432.0	431.4	430.6	430.1	429.3	429.0	428.3	428.0	427.4	427.2
170°	436.0	435.2	434.8	434.1	433.8	433.3	433.1	432.7	432.5	432.4	432.4
172.5°	441.8	441.1	440.7	440.2	439.8	439.6	439.4	439.2	438.9	438.9	438.8
175°	445.7	445.5	445.3	445.0	444.6	444.5	444.1	443.9	443.8	443.6	443.4
177.5°	448.0	447.7	447.5	447.4	447.2	447.2	447.2	447.2	447.2	447.0	446.9
180°	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5



TEST NUMBER: P1444774
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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°	136.2	127.5	127.1	120.8	121.8	116.6	119.3	116.0	119.4	116.0	119.8
92.5°	50.2	52.4	56.4	60.9	64.7	68.8	72.8	77.3	81.1	85.6	89.3
95°	61.6	63.7	69.2	74.6	80.1	85.6	91.1	96.5	102.1	107.5	112.9
97.5°	76.9	78.0	83.5	89.0	94.4	99.9	105.4	111.2	116.6	122.2	127.6
100°	87.9	88.1	103.6	119.2	134.7	150.4	165.9	181.4	197.2	212.8	228.3
102.5°	161.8	165.7	204.9	244.3	283.5	322.7	362.2	401.6	440.8	480.4	519.8
105°	353.8	369.3	429.2	489.3	549.1	609.1	669.2	729.4	789.4	849.5	909.6
107.5°	653.7	681.9	736.2	790.5	844.5	898.9	953.3	1007.6	1061.8	1116.1	1170.8
110°	920.3	950.2	986.5	1023.0	1059.5	1095.8	1132.4	1168.8	1205.5	1241.9	1278.7



TEST NUMBER: P1444774
 CATALOG NUMBER: EHBR1-54-UNV-TA-L935-UPL30

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	1039.7	1059.1	1080.3	1101.7	1123.0	1144.4	1165.8	1187.2	1208.9	1230.3	1251.9
115°	1036.1	1045.5	1053.6	1062.3	1070.6	1079.3	1087.8	1096.6	1105.4	1114.1	1122.8
117.5°	956.4	960.0	961.3	963.0	964.4	966.4	968.1	970.0	971.9	973.9	975.6
120°	837.3	836.5	835.5	834.5	833.5	832.6	831.9	831.2	830.6	829.9	829.1
122.5°	717.2	715.4	714.3	713.6	712.8	712.2	711.6	711.2	710.7	710.2	709.6
125°	612.0	610.4	612.0	613.8	615.6	617.5	619.3	621.5	623.5	625.5	627.6
127.5°	535.4	535.3	538.9	542.6	546.5	550.5	554.4	558.5	562.4	566.6	570.4
130°	487.3	488.8	493.3	498.2	502.9	507.9	512.8	518.0	522.7	527.6	532.5
132.5°	460.6	463.4	467.8	472.6	477.1	481.9	486.8	491.6	496.3	501.3	505.8
135°	447.5	450.9	455.1	459.5	463.8	468.4	472.7	477.4	481.4	486.1	490.2
137.5°	440.5	443.8	447.5	451.1	454.5	458.5	462.0	465.9	469.3	473.1	476.5
140°	440.1	443.5	445.6	448.2	450.4	452.8	455.0	457.6	459.7	462.3	464.4
142.5°	438.7	441.8	443.1	444.8	446.5	448.5	450.1	451.8	453.3	454.8	456.2
145°	439.1	441.6	442.0	442.7	443.4	444.1	444.6	445.3	445.6	446.2	446.5
147.5°	437.8	439.5	439.4	439.9	440.1	440.2	440.6	440.7	440.7	441.0	441.1
150°	434.1	435.5	435.1	435.2	434.9	434.9	434.4	434.4	434.0	434.0	433.6
152.5°	429.6	430.7	430.0	430.0	429.3	429.1	428.4	428.3	427.7	427.4	427.2
155°	423.3	423.7	423.3	423.2	422.9	422.7	422.3	422.4	422.3	422.1	422.1
157.5°	420.7	420.7	420.5	420.4	420.0	420.0	419.9	419.9	419.8	420.2	420.3
160°	420.3	420.4	420.1	419.9	419.7	419.5	419.4	419.6	419.6	420.0	420.2
162.5°	420.5	420.4	420.0	419.8	419.7	419.7	419.7	420.0	420.1	420.4	420.6
165°	423.9	424.1	423.4	423.3	423.1	422.9	422.6	422.6	422.8	422.9	423.0
167.5°	427.0	426.8	426.8	426.9	426.9	427.1	427.2	427.9	428.0	428.6	428.8
170°	432.2	432.4	432.0	432.0	431.9	431.8	431.9	431.9	432.0	432.1	432.0
172.5°	438.8	438.8	438.4	438.0	437.8	437.6	437.2	437.1	436.9	436.7	436.3
175°	443.0	442.8	442.7	442.5	442.3	441.9	441.8	441.4	441.2	441.0	440.8
177.5°	446.7	446.4	446.3	446.3	446.1	445.9	445.9	445.7	445.7	445.7	445.5
180°	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5



TEST NUMBER: P1444774
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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°	110.7	108.7	100.0	98.2	89.7	85.4	75.7	72.4	63.4	61.6	55.7
92.5°	84.7	80.0	75.8	70.8	66.6	62.0	57.4	52.7	48.1	46.2	45.0
95°	106.3	99.8	93.2	86.5	79.8	73.1	66.7	60.0	53.4	52.0	50.7
97.5°	119.9	112.1	104.2	96.4	88.6	80.8	73.1	65.3	57.4	56.6	55.6
100°	210.4	192.5	174.4	156.3	138.3	120.3	102.3	84.3	66.3	65.3	64.3
102.5°	475.9	432.2	388.5	344.9	301.3	257.4	213.8	169.9	126.3	119.9	113.7
105°	843.3	777.1	711.2	645.0	578.8	512.5	446.5	380.1	314.0	292.7	271.4
107.5°	1108.6	1046.4	984.4	922.2	859.9	797.9	735.7	673.4	611.0	573.7	536.4
110°	1229.3	1180.0	1131.1	1081.7	1032.5	983.2	933.9	884.5	835.2	802.9	771.0



TEST NUMBER: P1444774
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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°	1215.9	1179.9	1144.1	1108.0	1072.1	1035.9	1000.0	963.8	927.6	908.3	888.7
115°	1101.4	1079.9	1058.4	1036.8	1015.4	993.8	972.2	950.4	928.6	918.5	908.4
117.5°	965.1	954.3	943.6	932.8	921.9	911.0	900.2	889.2	878.2	874.9	871.4
120°	826.6	823.7	820.4	817.5	814.5	811.5	808.4	805.2	801.9	802.7	803.5
122.5°	711.6	713.3	715.3	716.6	718.6	720.1	722.0	723.3	724.9	728.1	731.2
125°	631.4	635.1	638.9	642.5	646.1	649.8	653.6	657.0	660.8	663.8	667.2
127.5°	574.9	578.9	583.1	587.1	591.6	595.5	599.6	603.5	607.6	610.6	613.9
130°	536.4	539.9	543.8	547.2	551.0	554.7	558.3	562.0	565.5	568.2	570.7
132.5°	509.3	512.6	516.2	519.3	522.9	526.0	529.6	532.7	536.5	538.3	540.5
135°	493.1	495.6	498.4	500.8	503.8	506.3	509.0	511.8	514.7	516.2	518.1
137.5°	478.8	481.0	483.3	485.4	488.0	490.1	492.6	494.9	497.6	498.5	500.0
140°	466.7	468.9	471.2	473.5	476.0	478.3	481.0	483.3	486.2	487.2	488.6
142.5°	458.1	459.9	461.8	463.6	465.7	467.5	469.8	472.0	474.3	475.5	476.6
145°	448.7	450.6	452.9	454.8	456.9	459.1	461.9	464.3	466.9	467.8	468.8
147.5°	442.7	444.5	446.4	448.2	450.2	451.9	454.3	456.5	458.9	459.8	460.7
150°	435.5	437.1	439.0	440.8	442.9	445.1	447.5	449.7	452.4	453.5	454.5
152.5°	429.0	430.8	432.8	434.9	437.1	439.5	441.9	444.4	446.9	447.8	449.1
155°	424.1	425.7	427.9	430.0	432.2	434.2	436.7	439.0	441.5	442.7	443.7
157.5°	422.1	423.5	425.6	427.5	429.5	431.5	433.9	435.8	438.0	439.0	439.9
160°	421.8	423.3	425.2	426.9	428.8	430.5	432.5	434.3	436.2	437.2	438.1
162.5°	422.3	423.9	425.7	427.2	429.1	430.9	433.0	434.6	436.5	437.2	438.2
165°	424.3	425.6	427.1	428.2	429.6	430.9	432.4	433.8	435.3	435.9	437.0
167.5°	430.1	430.9	431.9	432.9	434.1	435.1	436.5	437.4	438.7	439.5	440.3
170°	433.1	433.9	434.7	435.8	436.7	437.7	438.7	439.4	440.7	441.4	442.2
172.5°	436.9	437.3	438.1	438.6	439.3	439.8	440.6	441.2	441.8	442.7	443.4
175°	441.3	441.5	441.8	442.0	442.3	442.6	443.1	443.6	443.9	444.5	444.9
177.5°	445.6	445.8	446.0	446.2	446.5	446.7	447.1	447.3	447.6	448.2	448.8
180°	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5



TEST NUMBER: P1444774
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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°	54.5	49.1	48.1	43.1	41.8	38.2	37.3	37.3	38.2	38.5	39.5
92.5°	43.5	42.0	40.5	39.0	37.4	35.9	34.3	35.9	37.4	39.0	40.5
95°	49.3	47.9	46.6	45.2	43.9	42.5	41.1	42.5	43.9	45.3	46.7
97.5°	54.8	53.9	53.1	52.2	51.4	50.5	49.7	50.7	51.6	52.4	53.3
100°	63.3	62.3	61.2	60.2	59.2	58.1	57.1	58.4	59.5	60.5	61.4
102.5°	107.5	101.1	94.9	88.5	82.2	76.0	69.6	76.0	82.2	88.6	95.0
105°	250.1	228.9	207.5	186.3	165.0	143.6	122.3	143.7	165.1	186.4	207.8
107.5°	498.8	461.5	424.0	386.6	348.8	311.5	274.0	311.7	349.2	386.8	424.3
110°	738.6	706.2	674.0	641.8	609.3	577.2	544.7	577.2	609.6	642.0	674.5



TEST NUMBER: P1444774
 CATALOG NUMBER: EHBR1-54-UNV-TA-L935-UPL30

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	869.2	849.7	830.0	810.6	790.9	771.3	751.5	771.6	791.4	811.3	830.9
115°	898.4	888.0	877.9	867.6	857.3	847.0	836.4	847.4	858.0	868.5	879.1
117.5°	868.0	864.7	861.2	857.7	854.1	850.6	846.9	851.0	854.9	859.1	862.7
120°	804.0	804.9	805.5	806.0	806.6	807.1	807.4	807.7	807.7	807.7	807.5
122.5°	734.2	737.4	740.2	743.2	746.0	748.9	751.4	749.5	747.3	745.3	742.6
125°	670.2	673.7	676.8	679.8	682.7	685.8	688.3	686.6	684.5	682.2	679.7
127.5°	616.8	619.8	622.6	625.7	628.3	630.8	633.3	631.8	630.0	628.1	625.8
130°	573.1	575.8	578.0	580.4	582.4	584.4	586.0	585.3	584.1	583.1	581.5
132.5°	542.4	544.7	546.6	548.6	550.0	551.8	552.8	552.8	552.0	551.5	550.3
135°	519.8	521.3	522.7	524.4	525.5	526.7	527.3	527.8	527.6	527.4	526.8
137.5°	501.1	502.5	503.4	504.3	505.1	505.6	505.9	506.7	507.1	507.6	507.5
140°	489.6	491.0	492.1	493.0	493.9	494.7	494.8	495.8	496.0	496.4	496.3
142.5°	477.9	479.1	480.2	481.2	481.9	482.6	482.9	483.7	484.1	484.3	484.3
145°	469.8	470.7	471.7	472.5	472.9	473.4	473.3	474.5	474.9	475.5	475.8
147.5°	461.6	462.6	463.2	463.9	464.3	464.8	464.9	465.8	466.3	466.9	467.3
150°	455.8	456.9	457.9	458.8	459.5	460.1	460.2	461.0	461.4	461.7	461.8
152.5°	450.0	450.9	451.9	452.6	453.3	453.8	454.1	454.8	455.4	455.9	456.1
155°	444.7	445.8	446.7	447.6	448.3	449.1	449.7	450.4	450.8	451.1	451.4
157.5°	440.8	441.9	442.7	443.6	444.3	445.2	445.8	446.6	447.1	447.7	448.0
160°	438.9	440.0	440.7	441.6	442.3	443.1	443.7	444.5	445.1	445.6	446.2
162.5°	438.9	439.9	440.4	441.3	442.1	442.8	443.5	444.3	444.9	445.5	446.0
165°	438.0	439.0	439.7	440.7	441.7	442.6	443.2	443.8	444.1	444.6	444.8
167.5°	441.1	442.1	442.7	443.6	444.2	445.2	446.0	446.5	446.7	447.0	447.3
170°	442.8	443.6	444.4	445.0	445.8	446.6	447.1	447.4	447.7	448.0	448.3
172.5°	443.9	444.9	445.6	446.6	447.2	448.0	448.7	448.9	448.9	448.9	448.7
175°	445.4	446.2	446.7	447.4	447.8	448.5	449.2	449.0	449.1	449.0	448.9
177.5°	449.4	450.4	451.0	451.5	452.2	452.6	453.3	452.8	452.5	452.1	451.5
180°	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5



TEST NUMBER: P1444774
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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°	40.1	41.0	41.6	42.6	44.1	46.8	49.7	52.4	55.8	58.4	61.4
92.5°	42.0	43.7	45.2	46.8	48.3	52.9	57.6	62.2	66.9	71.3	76.0
95°	48.0	49.4	50.8	52.5	53.8	60.5	67.2	73.8	80.5	87.1	93.8
97.5°	54.4	55.3	56.1	57.0	58.0	65.9	73.7	81.6	89.5	97.2	105.0
100°	62.7	63.7	64.7	66.0	67.0	85.1	103.1	121.3	139.3	157.2	175.3
102.5°	101.4	107.8	114.1	120.6	127.0	170.8	214.7	258.5	302.1	345.9	389.6
105°	229.2	250.5	272.2	293.6	314.9	381.2	447.6	514.0	580.0	646.3	712.6
107.5°	462.0	499.5	537.3	574.8	612.3	674.8	737.0	799.4	861.8	924.1	986.1
110°	707.2	739.3	772.1	804.5	836.9	886.2	935.9	985.2	1034.7	1084.1	1133.4



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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°	851.0	870.5	890.3	909.9	929.6	965.9	1002.4	1038.6	1074.9	1110.8	1147.0
115°	889.7	899.9	910.4	920.7	931.3	953.2	974.8	996.7	1018.6	1040.1	1062.0
117.5°	866.5	870.3	874.1	877.4	881.1	892.3	903.4	914.6	925.7	936.8	947.8
120°	807.4	806.9	806.6	806.0	805.6	808.8	812.3	815.6	819.0	822.1	825.2
122.5°	740.4	737.5	734.9	732.0	729.4	727.8	726.5	724.9	723.8	722.1	720.7
125°	677.1	674.3	671.6	668.6	665.6	662.3	659.0	655.4	651.9	648.5	644.9
127.5°	623.9	621.2	618.8	616.1	613.4	609.4	605.6	601.6	597.9	593.6	589.8
130°	580.1	578.1	576.3	573.9	572.2	568.4	565.1	561.6	558.1	554.6	551.1
132.5°	549.4	547.9	546.6	544.7	543.3	539.9	537.2	533.6	530.5	527.3	524.2
135°	526.3	525.4	524.6	523.3	522.1	519.4	517.2	514.5	512.1	509.5	507.1
137.5°	507.6	507.0	506.5	506.0	505.4	503.1	501.1	498.8	496.9	494.6	492.7
140°	496.3	495.9	495.6	494.9	494.4	492.1	490.0	487.7	485.6	483.3	481.2
142.5°	484.3	484.0	483.6	483.1	482.6	480.7	479.3	477.5	475.6	473.9	472.2
145°	475.8	475.7	475.8	475.4	475.5	473.3	471.5	469.3	467.7	465.6	463.8
147.5°	467.6	467.5	467.8	467.6	467.8	466.0	464.6	462.9	461.5	459.7	458.3
150°	461.9	461.9	461.9	461.6	461.5	459.8	458.5	456.7	455.4	453.6	452.3
152.5°	456.2	456.3	456.5	456.5	456.7	455.2	453.7	452.1	450.5	448.7	447.3
155°	451.7	451.9	452.0	452.0	452.0	450.6	449.3	447.8	446.5	444.9	443.6
157.5°	448.4	448.6	448.9	449.1	449.3	448.1	446.9	445.6	444.5	443.1	441.9
160°	446.5	447.0	447.3	447.5	447.8	446.8	446.0	444.7	444.0	442.7	441.5
162.5°	446.5	446.9	447.2	447.4	447.6	446.6	446.0	444.9	443.9	442.6	441.6
165°	445.4	445.4	445.6	445.6	445.7	445.1	444.6	443.9	443.2	442.4	441.7
167.5°	447.6	447.6	447.9	447.9	448.0	447.5	447.5	446.8	446.3	445.8	445.3
170°	448.5	448.6	448.7	448.7	448.8	448.3	448.0	447.5	447.2	446.5	445.9
172.5°	448.8	448.6	448.6	448.6	448.5	448.1	447.8	447.5	447.4	447.0	446.6
175°	448.7	448.5	448.5	448.4	448.1	448.1	447.9	447.9	447.7	447.6	447.5
177.5°	451.4	451.1	450.5	450.2	449.8	449.6	449.6	449.4	449.5	449.4	449.3
180°	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5



TEST NUMBER: P1444774
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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°	64.3	79.8	82.5	81.2	75.8	73.9	68.8	67.5	63.2	61.8	57.6
92.5°	80.6	85.2	89.8	85.7	81.7	77.5	73.4	69.2	65.3	60.9	57.0
95°	100.4	106.8	113.4	107.9	102.4	96.9	91.4	86.0	80.6	75.0	69.6
97.5°	112.8	120.4	128.1	122.6	117.1	111.5	106.0	100.5	95.1	89.5	84.0
100°	193.4	210.8	228.8	213.3	197.6	182.1	166.6	150.8	135.3	119.8	104.0
102.5°	433.3	476.6	520.2	480.8	441.5	402.0	362.8	323.4	284.1	244.6	205.4
105°	778.6	844.3	910.3	850.0	789.9	730.0	669.9	609.8	549.7	489.6	429.7
107.5°	1048.4	1109.5	1171.3	1117.0	1062.6	1008.4	953.8	899.5	845.1	790.8	736.5
110°	1182.7	1230.6	1279.6	1242.8	1206.4	1169.6	1133.2	1096.4	1060.0	1023.6	987.2



TEST NUMBER: P1444774
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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°	1183.0	1217.4	1253.0	1231.2	1209.8	1188.1	1166.7	1145.1	1123.8	1102.2	1081.1
115°	1083.4	1102.9	1124.0	1115.1	1106.4	1097.7	1088.9	1080.3	1071.6	1062.9	1054.6
117.5°	958.8	967.1	977.3	975.2	973.4	971.3	969.5	967.5	965.9	964.1	962.3
120°	828.5	828.7	831.1	831.6	832.4	832.8	833.6	834.2	835.0	835.8	836.7
122.5°	719.0	714.4	711.7	712.2	712.7	712.9	713.6	714.1	714.6	715.2	716.0
125°	641.4	634.3	629.8	627.7	625.8	623.6	621.7	619.5	617.8	615.9	614.1
127.5°	585.9	578.1	573.2	569.3	565.3	561.1	557.2	553.1	549.3	545.2	541.5
130°	547.7	540.1	535.5	530.6	525.9	520.8	516.1	511.2	506.2	501.4	496.6
132.5°	521.0	513.4	509.2	504.6	500.0	495.1	490.7	485.7	481.0	476.1	471.7
135°	504.5	497.5	493.9	489.5	485.5	481.1	476.7	472.3	468.1	463.6	459.6
137.5°	490.4	483.4	480.4	476.8	473.5	469.9	466.6	462.9	459.3	455.4	452.1
140°	478.9	471.7	468.4	466.3	464.3	462.0	459.9	457.5	455.4	453.2	450.8
142.5°	470.5	463.3	460.5	459.0	457.8	456.2	455.1	453.4	452.1	450.1	448.7
145°	461.9	454.0	450.9	450.4	450.3	449.7	449.4	448.9	448.5	447.8	447.5
147.5°	456.6	448.5	445.5	445.6	445.6	445.3	445.6	445.2	445.5	445.2	445.2
150°	450.4	441.3	437.8	438.2	438.3	438.8	439.1	439.3	439.8	440.1	440.4
152.5°	445.5	434.6	430.6	431.0	431.6	431.9	432.3	433.0	433.6	434.1	434.6
155°	441.7	430.0	425.6	425.5	425.7	425.9	426.1	426.4	426.8	427.1	427.6
157.5°	440.4	428.0	423.8	423.4	423.4	423.4	423.4	423.5	423.7	423.9	424.4
160°	440.3	427.9	423.7	423.3	423.3	423.2	423.1	423.0	423.2	423.3	423.7
162.5°	440.2	428.1	424.3	423.8	423.4	423.3	423.3	423.0	423.2	423.1	423.4
165°	440.7	430.1	426.4	426.2	426.2	426.1	426.1	426.2	426.3	426.4	426.8
167.5°	444.4	434.9	432.0	431.6	431.1	430.7	430.7	430.1	430.1	429.7	429.7
170°	445.2	437.8	435.2	435.0	435.2	435.1	434.9	434.9	434.9	434.9	435.0
172.5°	446.2	440.7	438.8	439.0	439.4	439.5	439.8	440.0	440.4	440.7	441.0
175°	447.3	443.9	443.1	443.0	443.2	443.4	443.6	443.6	443.8	444.0	444.5
177.5°	449.3	448.3	447.8	447.8	447.8	447.8	447.8	447.8	447.8	448.0	448.0
180°	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5



TEST NUMBER: P1444774
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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°	56.8	53.7	54.1	50.7	52.1	48.4	50.8	47.5	50.8	46.4	53.3
92.5°	52.7	50.8	48.3	46.3	43.9	41.9	39.4	37.3	35.0	32.8	35.0
95°	64.2	62.1	60.1	57.8	55.8	53.7	51.8	49.7	47.7	45.6	48.1
97.5°	78.6	77.4	76.2	75.0	73.9	72.6	71.4	70.2	68.9	67.7	69.4
100°	88.5	88.5	88.5	88.5	88.3	88.3	88.3	88.3	88.3	88.3	89.6
102.5°	165.9	162.1	158.2	154.0	150.1	146.2	142.3	138.3	134.4	130.5	136.3
105°	369.6	354.3	338.8	323.5	307.9	292.6	277.2	261.8	246.4	231.1	247.0
107.5°	682.4	654.3	626.1	598.2	570.0	542.0	514.0	486.1	458.1	430.1	455.2
110°	950.6	920.8	891.0	861.3	831.5	801.6	771.9	742.2	712.6	682.8	706.8



TEST NUMBER: P1444774
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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°	1059.8	1040.1	1020.9	1001.7	982.4	963.2	944.0	925.0	905.9	886.8	898.4
115°	1046.0	1036.7	1027.4	1018.3	1009.0	999.7	990.4	981.5	972.4	963.3	964.1
117.5°	960.7	957.4	954.2	950.9	947.7	944.7	941.7	938.8	935.7	933.0	926.4
120°	837.8	838.4	838.9	839.8	840.6	841.8	842.5	843.7	844.9	846.1	837.4
122.5°	716.8	718.5	720.5	722.6	724.7	727.1	729.2	731.8	734.4	736.9	728.2
125°	612.1	613.9	615.8	617.7	619.4	621.9	624.1	626.6	629.1	631.8	624.5
127.5°	537.7	538.0	538.1	538.7	539.1	540.0	540.8	542.0	543.2	544.4	539.8
130°	491.8	490.4	489.0	488.0	486.7	486.0	485.3	484.7	484.2	484.0	482.2
132.5°	466.8	464.3	461.9	459.6	457.4	455.6	453.6	452.3	450.8	449.5	449.0
135°	455.0	451.8	448.7	445.6	442.7	440.4	437.8	435.7	433.5	431.6	432.2
137.5°	448.5	445.5	442.3	439.4	436.4	434.0	431.3	429.1	427.2	425.2	426.2
140°	448.6	445.5	442.4	439.5	436.9	434.3	431.9	429.8	427.4	425.9	426.3
142.5°	447.1	444.6	441.6	439.1	436.5	434.2	432.0	430.2	428.0	426.5	427.2
145°	446.8	444.9	442.7	440.7	438.9	437.3	435.3	434.1	432.8	431.9	432.2
147.5°	444.9	443.6	441.8	440.5	438.8	437.8	436.6	435.6	434.6	434.0	434.0
150°	440.7	439.8	438.7	437.8	436.9	436.1	435.3	434.8	434.1	433.7	433.7
152.5°	435.1	434.4	433.5	432.8	432.0	431.4	430.8	430.3	429.9	429.5	429.4
155°	428.0	427.6	427.2	427.1	426.7	426.8	426.4	426.7	426.4	426.5	426.7
157.5°	424.6	424.7	424.5	424.8	424.8	425.1	425.0	425.4	425.4	425.9	426.2
160°	424.2	424.2	424.0	424.2	424.1	424.1	424.2	424.3	424.4	424.5	425.1
162.5°	423.6	424.1	424.3	424.5	425.1	425.3	425.8	426.4	426.8	427.3	427.9
165°	427.2	427.2	427.2	427.1	427.4	427.6	427.7	428.1	428.3	428.8	429.4
167.5°	429.6	429.9	430.0	430.2	430.6	431.0	431.3	432.0	432.5	433.3	433.8
170°	434.9	434.9	434.9	434.9	434.9	435.2	435.3	435.5	435.7	436.1	436.5
172.5°	441.3	441.3	440.9	441.3	440.9	441.3	441.3	441.4	441.4	441.6	441.7
175°	444.4	444.8	445.0	445.4	445.4	445.5	445.6	445.8	446.0	446.4	446.4
177.5°	448.0	448.1	448.1	448.1	448.1	448.3	448.3	448.3	448.3	448.1	448.3
180°	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5



TEST NUMBER: P1444774
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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°	52.0	57.8	56.8	62.1	61.8	67.9	68.0	73.8	73.1	78.9	79.1
92.5°	37.3	39.4	41.7	43.9	46.1	48.3	50.6	52.7	57.6	62.0	67.1
95°	50.7	53.3	55.8	58.4	60.9	63.5	66.1	68.6	75.6	82.6	89.5
97.5°	71.3	72.8	74.5	76.2	77.9	79.6	81.3	83.0	90.7	98.2	105.8
100°	91.0	92.4	93.7	95.2	96.5	97.9	99.2	100.6	115.4	129.9	144.4
102.5°	142.1	147.9	153.7	159.5	165.5	171.3	177.1	182.9	216.3	249.6	282.9
105°	262.8	278.7	294.7	310.7	326.6	342.4	358.4	374.2	427.6	480.9	534.4
107.5°	480.3	505.3	530.4	555.7	580.8	606.0	631.1	656.3	708.3	760.5	812.5
110°	730.6	754.7	778.5	802.6	826.5	850.6	874.5	898.8	930.2	961.3	992.7



TEST NUMBER: P1444774
 CATALOG NUMBER: EHBR1-54-UNV-TA-L935-UPL30

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	910.0	921.6	933.4	945.2	956.9	968.9	980.6	992.5	1008.3	1024.1	1039.8
115°	964.9	965.6	966.5	967.4	968.3	969.2	970.5	971.5	976.8	981.8	987.0
117.5°	920.1	913.8	907.6	901.3	895.2	889.2	883.3	877.3	876.6	875.9	875.5
120°	829.1	820.5	812.2	803.6	795.5	787.3	779.4	771.5	767.6	763.8	760.0
122.5°	719.9	711.5	703.2	694.9	686.8	678.9	671.1	663.3	660.9	658.4	656.1
125°	617.5	610.6	603.7	597.0	590.6	584.1	577.9	571.6	572.1	572.3	573.0
127.5°	535.7	531.6	527.6	523.8	520.2	516.5	513.2	509.6	512.2	514.7	517.2
130°	480.4	478.8	477.5	475.9	475.0	473.9	472.9	472.0	476.1	479.7	483.8
132.5°	449.2	449.1	449.4	449.5	450.2	450.7	451.6	452.2	456.6	460.9	465.3
135°	432.9	433.7	434.9	435.9	437.6	438.8	440.6	442.0	446.5	450.4	454.8
137.5°	427.2	428.4	430.0	431.3	433.2	434.9	436.9	438.7	442.2	445.6	449.1
140°	427.5	428.2	429.7	431.0	432.4	433.8	435.8	437.2	440.3	442.9	445.6
142.5°	428.3	429.0	430.2	431.5	433.0	434.2	435.9	437.1	439.4	441.4	443.9
145°	433.0	433.7	434.8	435.5	436.7	437.8	439.0	440.1	441.7	443.0	444.6
147.5°	434.7	435.1	435.9	436.8	437.7	438.5	439.2	440.0	441.3	442.2	443.4
150°	434.1	434.4	434.9	435.2	435.9	436.6	437.3	437.8	438.8	439.6	440.7
152.5°	430.1	430.1	430.6	431.0	431.6	432.0	432.5	433.0	434.0	434.7	435.7
155°	427.2	427.8	428.4	428.9	429.7	430.0	430.8	431.2	432.0	432.6	433.4
157.5°	426.8	427.1	427.9	428.2	429.0	429.4	430.1	430.5	431.3	431.8	432.4
160°	425.8	426.6	427.2	428.0	428.8	429.4	430.2	431.1	431.7	432.1	432.8
162.5°	428.4	429.1	429.7	430.1	430.8	431.4	431.9	432.5	433.5	434.0	434.9
165°	430.2	430.9	431.8	432.2	433.1	434.0	434.6	435.4	435.9	436.5	436.9
167.5°	434.6	435.0	436.0	436.6	437.4	438.0	438.8	439.5	440.1	440.4	441.0
170°	437.1	437.8	438.4	438.9	439.6	440.1	440.9	441.4	442.2	442.7	443.5
172.5°	442.2	442.7	443.2	443.5	443.9	444.6	445.1	445.5	446.1	446.5	447.1
175°	446.4	446.4	446.5	446.7	446.8	446.8	447.0	447.3	447.5	447.6	447.8
177.5°	448.5	448.6	448.8	448.9	449.1	449.3	449.4	449.6	449.6	449.6	449.6
180°	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5



TEST NUMBER: P1444774
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CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	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°	86.6	87.5	95.2	96.6	105.9	108.2	112.9	109.9	114.4	111.7	116.1
92.5°	71.5	76.7	81.5	86.2	91.0	96.0	91.4	86.9	82.5	78.2	73.6
95°	96.5	103.6	110.6	117.6	124.5	131.5	124.0	116.6	109.2	101.7	94.2
97.5°	113.3	120.7	128.2	135.8	143.4	150.9	142.0	133.1	124.3	115.6	106.8
100°	158.9	173.6	188.1	202.6	217.2	231.7	215.3	198.8	182.4	165.8	149.3
102.5°	316.4	349.7	383.1	416.5	449.8	483.2	448.2	413.3	378.2	343.2	308.1
105°	587.8	641.2	694.6	747.9	801.4	855.0	798.2	741.4	684.6	627.9	570.9
107.5°	864.7	916.8	969.1	1021.1	1073.4	1125.7	1068.1	1010.5	953.0	895.4	837.7
110°	1024.3	1055.6	1087.1	1118.7	1150.0	1181.8	1139.7	1097.8	1055.9	1013.8	971.9



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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°	1055.7	1071.7	1087.5	1103.5	1119.5	1135.4	1105.5	1075.7	1045.7	1016.0	985.8
115°	992.4	997.7	1003.0	1008.4	1013.6	1019.0	999.0	978.9	959.0	939.0	918.6
117.5°	874.9	874.6	873.9	873.8	873.1	872.6	861.6	850.6	839.4	828.3	817.2
120°	756.2	752.6	748.9	745.2	741.4	737.5	733.2	728.8	724.2	719.6	714.9
122.5°	653.6	651.5	648.9	646.6	643.9	641.5	640.0	638.7	637.1	635.6	633.9
125°	573.3	573.8	574.2	574.7	574.9	575.3	574.7	574.3	573.6	573.2	572.5
127.5°	519.5	522.1	524.4	526.8	528.9	531.4	531.5	531.8	531.9	532.1	532.2
130°	487.4	491.6	495.2	498.8	502.3	506.3	506.0	506.1	506.0	505.9	505.7
132.5°	469.7	473.9	478.1	482.5	486.5	490.7	490.4	490.4	489.9	490.0	489.7
135°	458.8	463.0	466.8	471.1	474.7	478.7	478.3	477.9	477.4	477.2	476.7
137.5°	452.3	455.8	459.0	462.3	465.2	468.6	467.9	467.7	467.0	466.9	466.3
140°	448.3	451.0	453.5	456.2	458.8	461.4	460.6	460.0	459.2	458.6	457.7
142.5°	445.8	448.0	449.8	452.1	453.9	456.0	454.5	453.4	452.3	451.2	450.0
145°	446.1	447.6	449.0	450.4	451.4	453.0	451.4	450.1	448.4	447.1	445.6
147.5°	444.3	445.4	446.0	447.1	447.5	448.7	447.1	445.7	444.3	442.7	441.1
150°	441.3	442.3	443.0	443.7	444.5	445.4	443.6	442.1	440.3	438.8	437.1
152.5°	436.4	437.1	437.8	438.5	439.1	439.8	438.0	436.9	435.0	433.3	431.8
155°	433.7	434.5	434.8	435.4	435.6	436.0	434.5	433.4	432.0	430.7	429.1
157.5°	432.9	433.5	434.0	434.2	434.6	435.0	434.0	433.1	431.9	431.1	429.9
160°	433.2	433.7	434.1	434.5	434.9	435.1	434.2	433.8	432.8	431.8	430.8
162.5°	435.4	436.1	436.6	437.1	437.8	438.2	437.2	436.4	435.3	434.3	433.0
165°	437.5	437.9	438.4	438.8	439.0	439.5	438.8	438.2	437.4	436.9	436.0
167.5°	441.4	442.0	442.3	442.7	442.9	443.2	442.6	442.1	441.3	440.6	439.8
170°	443.8	444.2	444.9	445.4	445.7	446.0	445.6	445.2	444.5	443.9	443.2
172.5°	447.5	448.0	448.2	448.6	448.8	449.3	448.7	448.1	447.5	446.9	446.2
175°	447.8	447.9	448.3	448.3	448.3	448.5	447.9	447.5	446.9	446.4	445.9
177.5°	449.6	449.6	449.6	449.5	449.5	449.5	449.5	448.8	448.5	448.2	447.6
180°	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5



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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°	113.4	118.5	115.6	120.8	119.7	125.9	125.9	132.1	131.2	136.4	134.4
92.5°	69.2	64.7	60.5	55.8	53.7	51.0	49.5	46.6	44.8	42.1	40.0
95°	86.6	79.2	71.7	64.2	61.6	58.9	56.3	53.7	51.2	48.7	46.0
97.5°	97.9	89.0	80.1	71.2	69.0	66.8	64.3	62.2	59.9	57.7	55.5
100°	132.7	116.1	99.8	83.0	81.1	79.3	77.4	75.5	73.7	71.6	69.7
102.5°	273.1	238.0	202.8	167.7	161.1	154.3	147.7	140.8	134.2	127.5	120.9
105°	514.1	457.2	400.2	343.2	325.1	307.1	288.9	270.8	252.7	234.6	216.5
107.5°	780.0	722.1	664.4	606.6	573.3	539.9	506.5	472.8	439.6	405.9	372.5
110°	929.9	887.7	845.5	803.2	776.6	749.6	722.7	695.7	668.9	641.8	614.9



TEST NUMBER: P1444774
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CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	955.8	925.7	895.7	865.4	853.3	841.1	829.0	816.8	804.6	792.2	780.1
115°	898.4	878.2	857.9	837.4	833.5	829.1	825.0	820.6	816.4	812.0	807.5
117.5°	806.1	794.8	783.4	772.1	772.9	773.7	774.7	775.4	776.0	776.5	777.2
120°	710.3	705.7	701.1	696.3	700.4	704.0	708.1	711.6	715.4	718.7	722.3
122.5°	632.3	630.6	629.1	627.2	632.1	636.8	641.4	645.9	650.4	654.5	658.7
125°	572.1	571.3	570.7	569.8	574.8	579.5	584.2	588.6	593.2	597.3	601.5
127.5°	532.4	532.6	532.7	532.6	536.5	539.6	543.3	546.2	549.6	552.3	555.3
130°	505.6	505.4	505.5	505.2	508.5	511.7	515.0	517.7	520.8	523.1	525.6
132.5°	489.5	489.1	489.0	488.6	491.2	493.5	496.0	497.8	499.9	501.5	503.2
135°	476.5	475.8	475.6	474.9	477.4	479.6	481.8	483.6	485.7	487.1	488.6
137.5°	465.9	465.4	464.9	464.3	466.6	468.6	470.6	472.2	473.9	475.4	476.6
140°	457.2	456.3	455.9	454.9	456.9	458.6	460.5	462.0	463.6	464.6	465.9
142.5°	448.8	447.4	446.6	445.1	446.6	447.9	449.3	450.4	451.5	452.3	453.1
145°	444.0	442.3	441.0	439.5	440.6	441.6	442.7	443.7	444.3	444.8	445.6
147.5°	439.8	438.0	436.5	434.9	436.0	436.7	437.3	437.8	438.7	439.0	439.3
150°	435.5	433.6	431.9	430.1	430.8	431.3	431.7	432.4	432.9	433.1	433.4
152.5°	430.1	428.3	426.7	424.8	425.2	425.6	425.9	426.2	426.5	426.7	426.8
155°	427.8	426.2	424.7	423.0	423.5	423.7	423.8	424.0	424.1	424.2	424.1
157.5°	428.7	427.1	426.2	424.7	424.7	424.8	424.8	424.3	424.3	424.0	423.7
160°	430.0	428.7	427.7	426.6	426.4	426.3	426.3	425.9	425.7	425.2	425.0
162.5°	431.9	430.7	429.3	428.1	427.9	427.9	427.8	427.3	427.2	426.7	426.4
165°	435.2	434.3	433.4	432.2	432.0	431.8	431.6	431.0	430.7	430.1	429.6
167.5°	438.8	438.0	436.9	435.9	435.9	435.9	435.8	435.5	435.2	434.8	434.7
170°	442.6	441.7	441.1	440.2	439.8	439.8	439.4	439.1	438.7	438.3	437.8
172.5°	445.4	444.6	443.8	442.8	442.8	442.7	442.4	442.2	441.7	441.5	441.3
175°	445.2	444.6	443.8	443.3	443.2	443.0	442.8	442.7	442.4	442.2	441.9
177.5°	447.3	447.0	446.3	445.9	445.8	445.8	445.6	445.5	445.5	445.4	445.2
180°	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5	447.5



TEST NUMBER: P1444774
CATALOG NUMBER: EHBR1-54-UNV-TA-L935-UPL30

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°	139.3	136.5
92.5°	38.1	36.2
95°	43.5	41.0
97.5°	53.3	51.0
100°	67.9	66.0
102.5°	114.2	107.6
105°	198.5	180.4
107.5°	339.1	305.6
110°	587.8	560.9



TEST NUMBER: P1444774
CATALOG NUMBER: EHBR1-54-UNV-TA-L935-UPL30

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	767.7	755.3
115°	802.8	798.4
117.5°	777.4	777.9
120°	725.3	728.8
122.5°	662.5	666.4
125°	605.3	609.2
127.5°	557.8	560.1
130°	527.4	529.7
132.5°	504.4	505.5
135°	489.5	490.5
137.5°	477.4	478.2
140°	466.3	467.0
142.5°	453.5	454.0
145°	445.8	446.1
147.5°	439.0	439.2
150°	433.3	433.3
152.5°	426.5	426.6
155°	423.8	423.7
157.5°	423.2	422.8
160°	424.3	424.1
162.5°	425.8	425.5
165°	428.8	428.1
167.5°	434.0	434.0
170°	437.4	437.1
172.5°	440.8	440.5
175°	441.7	441.6
177.5°	445.2	444.8
180°	447.5	447.5

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-6
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 08/05/2025
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: Metalux
 Catalog Number: **EHBR-60-L935-N**
 Description: Elevate Round Highbay at, 60000 lumens, 3500K 90CRI LEDs with N lens

Spectral Parameters

CCT (K): 3406
 CIE u': 0.2394
 CIE v': 0.5094
 Duv: -0.0028
 CIE x: 0.4076
 CIE y: 0.3856
 CIE z: 0.2068
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 582
 Purity: 38.0517
 Rf: 91.3
 Rg: 100

CRI (Ra):	94.6		
R1:	96.6	R9:	63.8
R2:	98.4	R10:	94.7
R3:	98.1	R11:	96.6
R4:	95.8	R12:	80.9
R5:	96.2	R13:	97.4
R6:	95.4	R14:	98.3
R7:	91.8	R15:	93.1
R8:	84.4		



Test Conditions

Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.0

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



CCT = 3406K
 CIE x = 0.4076
 CIE y = 0.3856
 Duv = -0.0028

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

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

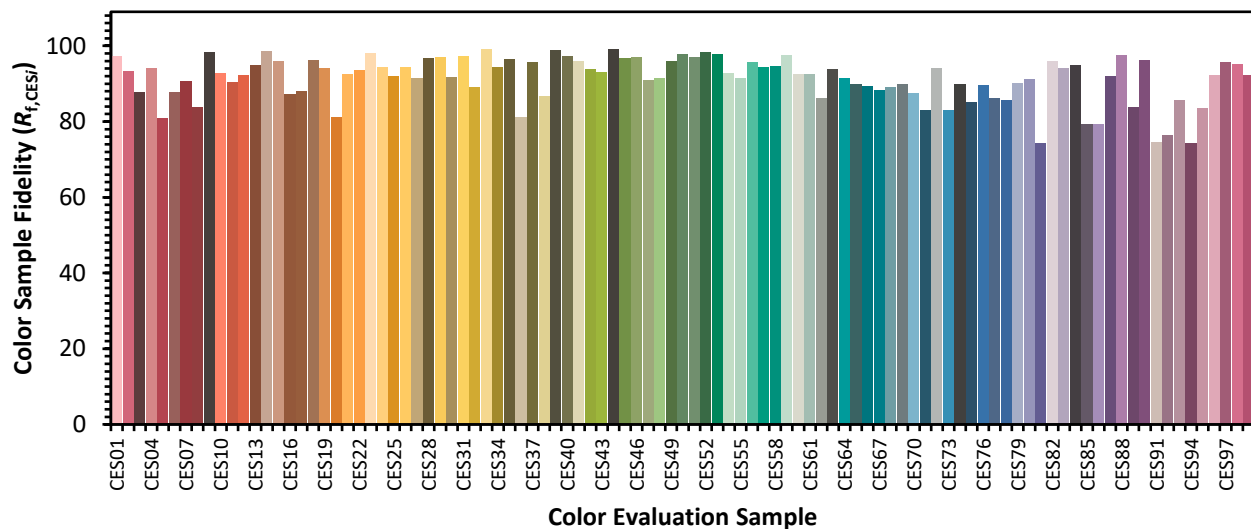


Color Vector Graphics

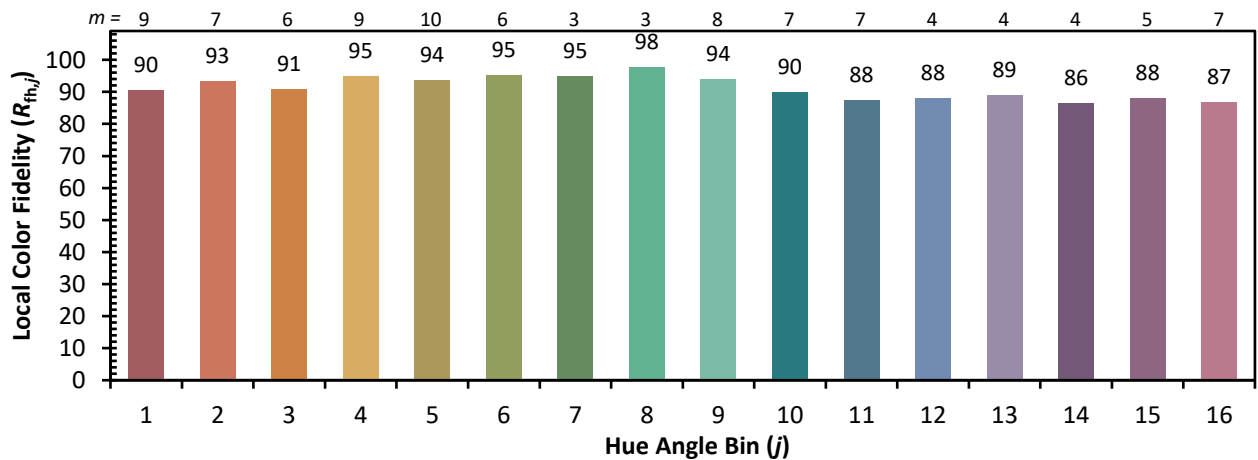
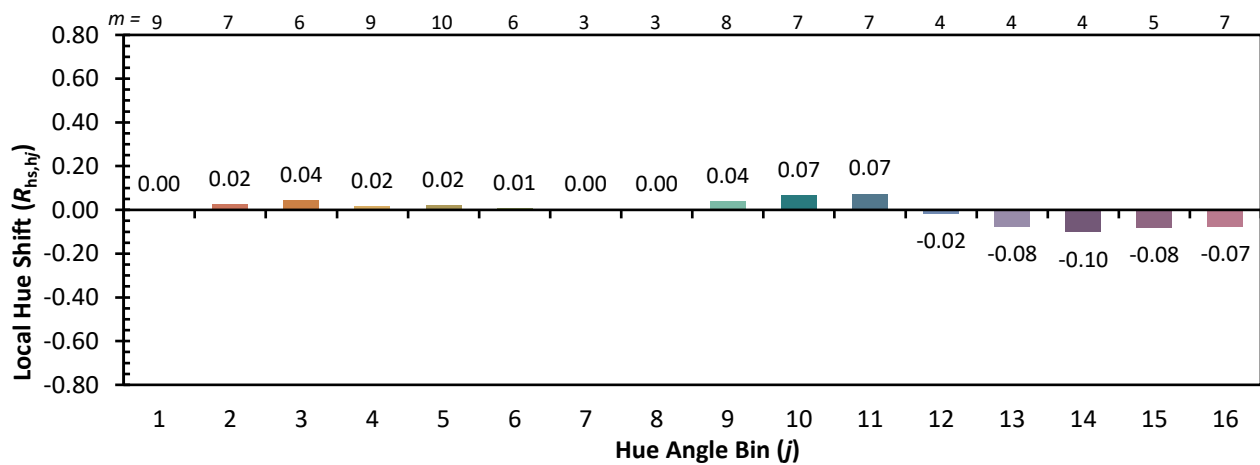
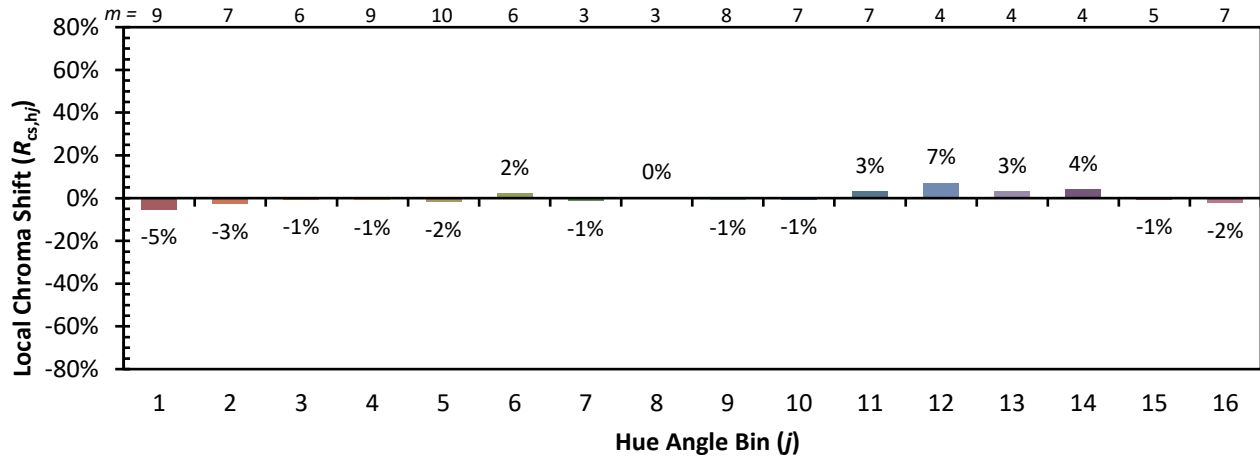


Individual Sample Fidelity Index ($R_{f,i}$)

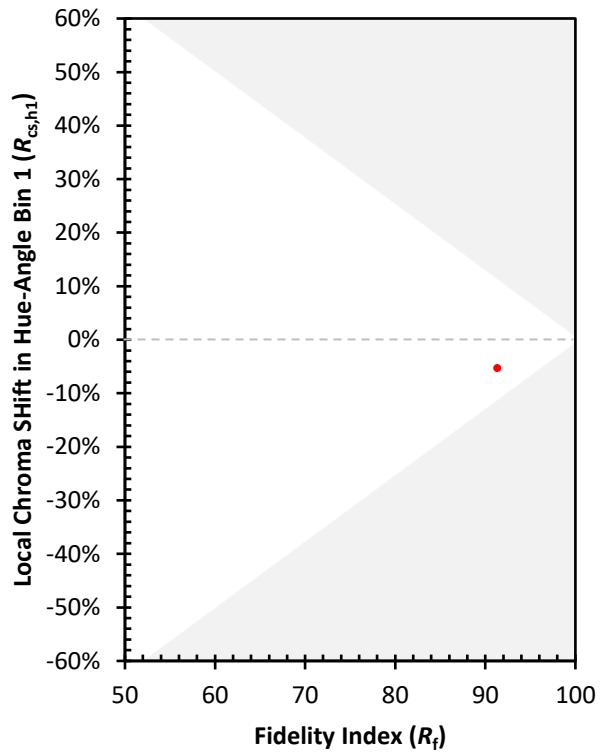
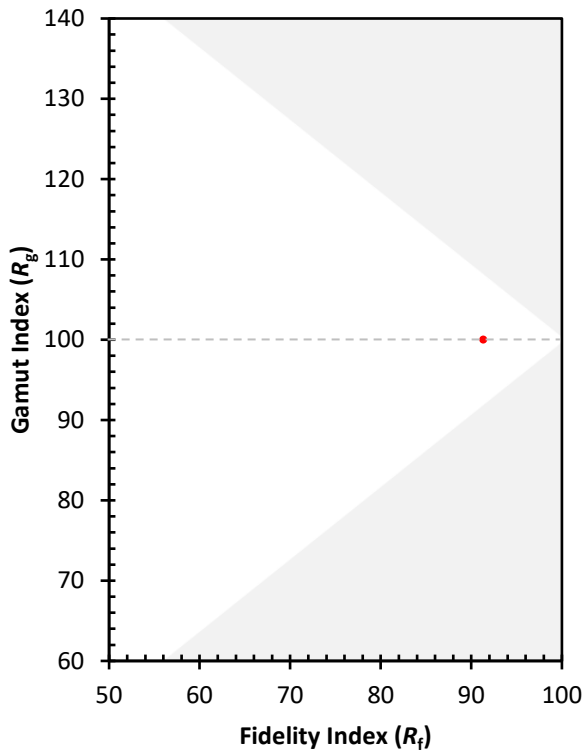
CES01 = 86	CES26 = 94	CES51 = 97	CES76 = 90
CES02 = 63	CES27 = 92	CES52 = 98	CES77 = 86
CES03 = 31	CES28 = 97	CES53 = 98	CES78 = 86
CES04 = 70	CES29 = 97	CES54 = 93	CES79 = 90
CES05 = 50	CES30 = 92	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 97	CES56 = 96	CES81 = 74
CES07 = 43	CES32 = 89	CES57 = 94	CES82 = 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)