

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: P1444661

Luminaire Tested: EHBR1-24-UNV-TA-L930-UPL24

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444661
REPORT IS A COMBINATION OF REPORTS P1444329 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-24-UNV-TA-L930-UPL24
Description: Elevate Round Highbay at, 24000 lumens, 3000K 90CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

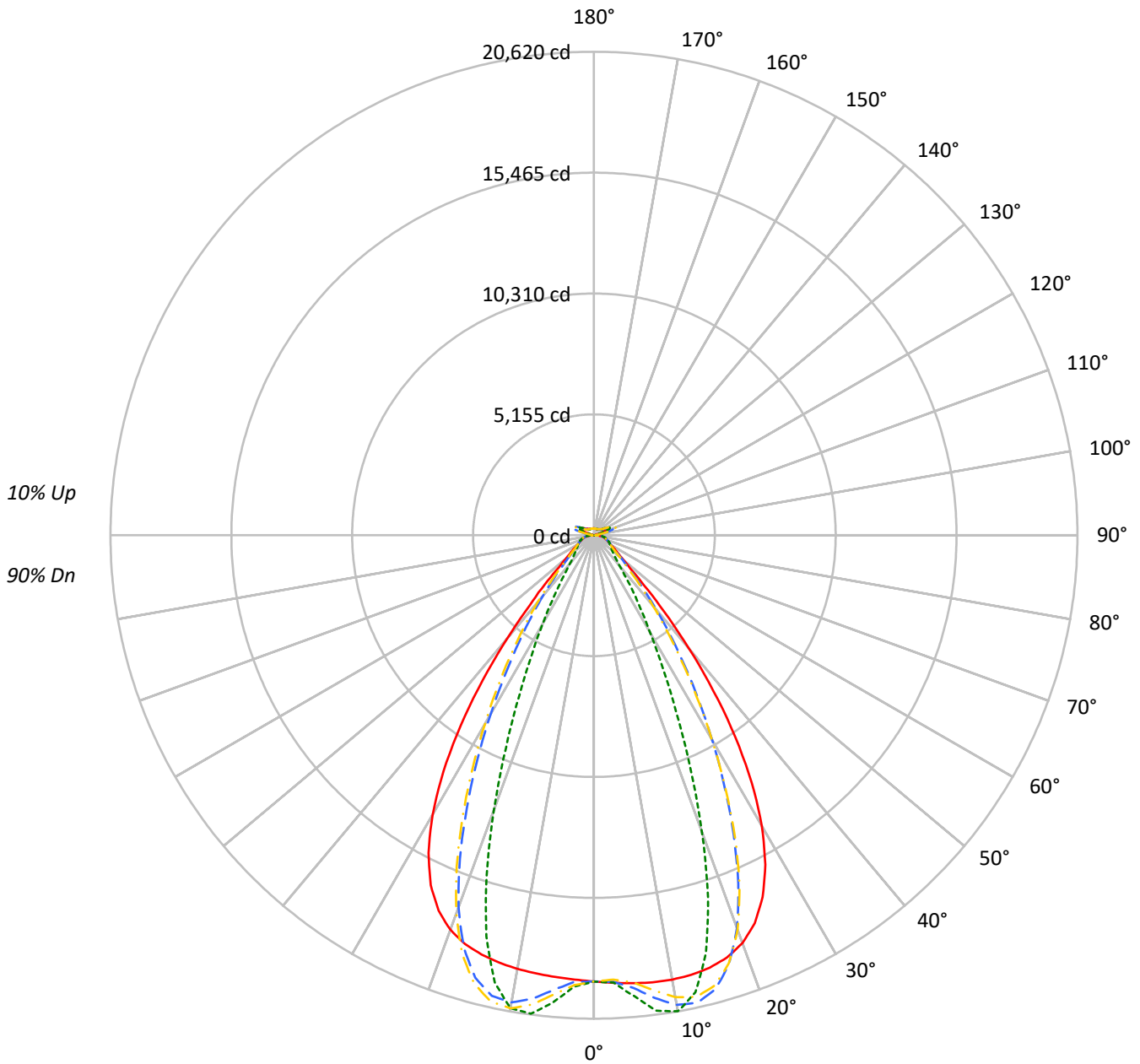
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24204.2 lumens
Efficiency: N/A
Efficacy: 167.2 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): 144.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	93	93	93	90
1	110	106	103	100	106	103	100	98	97	95	93	92	90	88	87	86	84	84	84	84	82
2	103	97	92	88	100	94	90	86	89	86	83	85	82	79	81	78	76	76	76	76	74
3	96	89	83	78	93	87	81	77	83	78	74	79	75	72	75	72	70	70	70	70	68
4	91	82	75	70	88	80	74	69	76	71	68	73	69	66	70	67	64	64	64	64	62
5	85	76	69	64	83	74	68	63	71	66	62	68	64	60	66	62	59	59	59	59	57
6	80	70	63	59	78	69	63	58	66	61	57	64	59	56	62	58	55	55	55	55	53
7	76	65	59	54	74	64	58	53	62	57	52	60	55	52	58	54	51	51	51	51	49
8	72	61	54	50	70	60	54	50	58	53	49	56	52	48	55	50	47	47	47	47	46
9	68	57	51	46	66	56	50	46	55	49	45	53	48	45	52	47	44	44	44	44	43
10	65	54	48	43	63	53	47	43	52	46	42	50	45	42	49	45	41	41	41	41	40

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	89383	89383	89383	89383
5°	89815	92434	88559	93646
10°	90566	97049	88393	96407
15°	91010	87975	88239	84432
20°	90069	65538	87121	60638
25°	85254	41449	82437	37608
30°	74475	24908	71591	22763
35°	57317	15630	54019	13845
40°	36258	9804	33173	9213
45°	18688	7638	18379	7513
50°	10956	6794	10620	6688
55°	8394	6427	8083	6370
60°	7102	6567	6800	6481
65°	6671	6857	6415	6623
70°	6517	7180	6192	6910
75°	6969	7615	6592	7278
80°	7212	8430	6539	7697
85°	6791	8135	5490	6965

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 28600 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1875.8	7.7
10°-20°	5276.8	21.8
20°-30°	6009.9	24.8
30°-40°	4319.6	17.8
40°-50°	1992.2	8.2
50°-60°	953.4	3.9
60°-70°	695.6	2.9
70°-80°	528.5	2.2
80°-90°	244.2	1.0
90°-100°	64.8	0.3
100°-110°	383.6	1.6
110°-120°	708.8	2.9
120°-130°	430.8	1.8
130°-140°	273.3	1.1
140°-150°	199.8	0.8
150°-160°	137.4	0.6
160°-170°	81.9	0.3
170°-180°	27.8	0.1
0°-30°	13162.4	54.4
0°-40°	17482.1	72.2
0°-60°	20427.6	84.4
0°-90°	21895.9	90.5
90°-120°	1157.2	4.8
90°-150°	2061.2	8.5
90°-180°	2308.0	9.5
0°-180°	24204.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	19034	19034	19034	19034	19034	
5°	19177	19736	18909	19995	19177	1833
15°	19093	18457	18512	17713	19093	5380
25°	17025	8277	16462	7510	17025	7718
35°	10520	2869	9914	2541	10520	6456
45°	3024	1236	2974	1216	3024	2572
55°	1134	869	1092	861	1134	1047
65°	696	716	670	691	696	695
75°	491	536	464	513	491	510
85°	233	280	189	239	233	219
90°	68	85	24	28	68	42
95°	30	33	30	33	30	28
105°	137	178	92	178	137	182
115°	617	751	646	751	617	570
125°	460	486	521	487	460	419
135°	356	320	384	322	356	278
145°	312	306	333	309	312	197
155°	289	291	308	294	289	134
165°	285	285	296	287	285	81
175°	290	293	295	293	290	28
180°	293	293	293	293	293	



TEST NUMBER: P1444661
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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5
2.5°	19106.2	19104.7	19104.3	19103.0	19102.6	19102.6	19102.0	19100.5	19099.5	19097.3	19094.8
5°	19177.0	19176.2	19176.8	19176.9	19175.5	19172.6	19168.0	19162.2	19155.0	19148.3	19142.2
7.5°	19231.9	19233.3	19235.0	19234.6	19230.4	19223.5	19213.9	19208.6	19211.7	19222.1	19245.8
10°	19241.9	19250.1	19253.2	19252.3	19244.0	19238.0	19240.3	19260.5	19300.7	19354.1	19427.4
12.5°	19202.9	19213.0	19212.6	19209.2	19201.2	19209.4	19238.6	19298.6	19384.7	19490.3	19614.2
15°	19093.4	19106.4	19102.6	19098.4	19093.0	19119.8	19178.2	19282.5	19415.3	19564.2	19716.7
17.5°	18880.7	18896.3	18888.8	18883.9	18879.3	18929.7	19029.9	19182.6	19350.0	19518.4	19662.9
20°	18511.7	18522.2	18504.1	18495.6	18502.8	18601.5	18749.1	18944.1	19120.6	19279.8	19378.5
22.5°	17909.7	17922.8	17888.6	17884.7	17926.8	18078.4	18265.1	18483.1	18648.9	18775.1	18813.2
25°	17025.1	17038.0	16997.5	17021.7	17093.2	17299.7	17522.1	17755.2	17896.7	17990.2	17964.5
27.5°	15831.2	15842.9	15804.4	15853.9	15966.9	16238.3	16500.1	16753.0	16879.1	16944.6	16861.5
30°	14325.3	14349.7	14304.3	14373.2	14545.8	14898.1	15198.0	15481.6	15607.3	15657.2	15528.0
32.5°	12536.8	12571.5	12521.5	12624.1	12864.8	13288.0	13628.7	13945.6	14084.6	14141.6	13995.6
35°	10519.7	10569.4	10512.0	10665.9	10963.0	11434.1	11811.5	12165.2	12329.9	12410.5	12263.5
37.5°	8382.6	8429.9	8398.9	8604.2	8930.4	9418.7	9804.0	10185.6	10371.5	10492.6	10376.7
40°	6284.4	6327.7	6351.2	6586.1	6892.9	7353.1	7723.1	8100.7	8308.7	8460.7	8389.2
42.5°	4435.6	4479.2	4559.1	4785.7	5041.5	5422.5	5739.5	6078.5	6277.2	6439.4	6411.7
45°	3023.6	3074.3	3174.4	3359.9	3545.0	3818.3	4051.0	4314.6	4477.0	4625.5	4627.3
47.5°	2118.9	2154.4	2243.8	2370.5	2491.1	2833.3	2847.4	2976.9	3086.1	3197.1	3211.5
50°	1632.9	1654.4	1701.8	1772.4	1840.7	1929.6	2010.9	2104.8	2172.0	2232.8	2247.4
52.5°	1342.1	1355.8	1379.9	1418.2	1457.8	1506.1	1549.6	1601.2	1637.7	1670.4	1677.1
55°	1134.3	1145.6	1181.6	1188.8	1234.1	1243.0	1262.2	1293.7	1314.9	1334.4	1339.3
57.5°	977.6	985.7	993.4	1009.7	1023.7	1044.0	1060.3	1082.8	1096.2	1110.3	1111.5
60°	853.8	859.8	865.2	876.4	886.0	900.1	911.4	926.7	936.3	946.8	948.1
62.5°	761.7	766.0	769.6	777.1	783.8	794.7	803.6	816.5	825.4	833.6	835.4
65°	696.3	699.4	701.8	707.4	713.3	722.5	730.6	741.1	747.7	753.9	755.2
67.5°	638.3	641.3	643.7	648.8	652.9	659.8	665.2	673.1	678.1	683.1	683.1
70°	571.8	574.6	576.5	581.3	584.6	590.5	594.8	602.0	607.0	612.6	614.0
72.5°	525.9	527.5	530.0	534.3	539.0	545.3	551.2	558.5	564.6	570.4	572.8
75°	490.9	492.8	494.4	498.1	501.4	506.7	511.1	517.8	523.1	529.3	532.4
77.5°	440.4	442.5	444.0	447.7	450.5	455.6	458.8	464.8	469.3	474.9	477.7
80°	379.4	381.4	382.4	386.0	388.1	392.8	396.0	401.8	405.5	411.1	414.5
82.5°	311.7	313.7	314.2	317.6	318.8	322.7	325.0	330.9	335.4	342.7	347.8
85°	233.4	234.1	235.3	234.4	239.1	239.4	244.8	245.8	252.8	254.7	262.7
87.5°	142.7	144.8	145.9	149.1	150.5	153.8	154.8	158.3	160.1	164.1	165.9
90°	68.5	72.4	74.0	78.3	79.9	83.9	85.2	89.6	91.3	95.8	98.4
92.5°	26.1	27.9	29.5	31.5	33.2	35.4	37.2	39.2	41.0	43.1	46.6
95°	29.7	31.7	33.7	35.7	37.7	39.7	41.7	43.8	45.7	47.8	53.6
97.5°	37.3	39.1	40.8	42.6	44.3	46.1	47.8	49.5	51.2	52.9	59.9
100°	48.7	50.3	51.7	53.2	54.6	56.1	57.6	59.1	60.5	62.0	74.9
102.5°	80.7	86.0	91.2	96.4	101.7	106.8	112.1	117.4	122.5	127.8	155.1
105°	137.1	151.2	165.5	179.7	193.8	208.0	222.2	236.2	250.4	264.6	309.3
107.5°	234.5	260.7	287.0	313.2	339.5	365.6	391.9	418.0	444.2	470.3	515.7
110°	433.7	454.7	475.8	496.9	518.0	539.1	560.2	581.1	602.2	623.3	656.3



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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°	584.9	594.4	603.9	613.5	623.0	632.5	642.1	651.6	661.1	670.5	694.2
115°	617.1	620.5	623.9	627.1	630.6	633.8	637.2	640.4	643.8	646.9	663.0
117.5°	599.2	598.6	598.0	597.5	596.8	596.3	595.5	594.9	594.2	593.6	602.6
120°	558.7	555.7	553.0	549.9	547.0	543.9	541.0	538.0	535.0	531.8	535.8
122.5°	507.4	503.9	500.6	497.0	493.5	489.9	486.4	482.6	479.1	475.4	476.9
125°	460.3	456.7	453.3	449.7	446.0	442.4	438.7	435.0	431.4	427.6	428.5
127.5°	419.1	416.7	414.3	411.6	409.1	406.4	403.8	401.0	398.5	395.7	395.9
130°	392.6	390.5	388.3	385.9	383.5	381.1	378.6	376.1	373.7	371.2	371.6
132.5°	371.0	369.5	368.0	366.2	364.6	362.6	360.9	358.9	357.2	355.3	355.7
135°	356.5	355.0	353.7	352.2	350.6	348.8	347.1	345.3	343.6	341.8	342.5
137.5°	344.3	343.1	341.8	340.3	338.8	337.1	335.6	333.9	332.3	330.6	331.1
140°	333.2	332.0	330.8	329.5	328.1	326.7	325.2	323.7	322.2	320.6	321.3
142.5°	320.7	319.7	318.8	317.8	316.7	315.4	314.2	312.9	311.7	310.5	311.5
145°	312.5	311.7	311.0	310.0	309.1	308.0	307.1	305.8	304.9	303.8	304.9
147.5°	305.4	304.8	304.1	303.4	302.7	301.7	300.9	300.0	299.2	298.3	299.3
150°	299.1	298.5	298.0	297.3	296.6	295.7	294.9	294.1	293.2	292.3	293.5
152.5°	292.6	291.9	291.4	290.8	290.1	289.2	288.6	287.7	286.9	286.1	286.9
155°	288.6	288.0	287.4	286.8	286.1	285.3	284.6	283.8	283.1	282.3	283.1
157.5°	286.2	285.6	285.3	284.6	284.3	283.6	283.0	282.4	281.9	281.2	281.8
160°	285.2	284.7	284.3	283.7	283.1	282.6	282.0	281.4	281.0	280.4	280.8
162.5°	284.4	283.8	283.4	282.8	282.3	281.6	281.2	280.6	280.2	279.6	280.2
165°	284.6	284.3	283.9	283.6	283.3	282.9	282.6	282.1	281.8	281.3	281.7
167.5°	287.2	286.7	286.4	285.9	285.4	284.9	284.5	284.0	283.6	283.0	283.5
170°	288.1	287.7	287.5	287.3	287.0	286.8	286.5	286.2	286.0	285.7	286.0
172.5°	289.6	289.4	289.2	289.1	288.8	288.6	288.5	288.2	288.1	287.7	288.3
175°	289.7	289.4	289.4	289.3	289.1	289.0	288.9	288.7	288.7	288.6	288.7
177.5°	291.6	291.5	291.5	291.5	291.5	291.4	291.3	291.1	291.1	291.1	291.3
180°	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4



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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°	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5
2.5°	19093.0	19090.7	19087.5	19083.5	19080.0	19076.0	19066.5	19063.7	19066.8	19069.0	19073.3
5°	19138.4	19139.7	19140.2	19148.9	19156.4	19175.1	19321.5	19379.7	19424.7	19453.2	19496.6
7.5°	19275.2	19319.2	19362.7	19421.2	19471.7	19539.9	19796.1	19905.2	19982.7	20038.4	20107.0
10°	19506.9	19603.0	19693.1	19798.6	19889.3	19993.2	20231.7	20337.9	20405.0	20453.9	20499.4
12.5°	19740.4	19873.7	19994.0	20111.5	20209.7	20299.8	20383.7	20420.9	20424.0	20425.6	20401.4
15°	19862.1	19989.4	20095.5	20173.2	20230.9	20256.4	20112.0	20036.3	19940.6	19861.7	19732.0
17.5°	19785.3	19861.7	19907.5	19903.1	19879.2	19799.3	19390.3	19165.4	18942.1	18740.8	18476.9
20°	19444.1	19438.2	19398.4	19285.4	19149.3	18937.8	18236.5	17832.1	17440.8	17097.3	16680.6
22.5°	18809.3	18709.4	18570.2	18326.6	18056.2	17686.4	16681.6	16086.5	15542.0	15061.0	14522.1
25°	17889.5	17684.0	17427.2	17040.6	16620.2	16081.0	14842.5	14102.4	13448.5	12881.6	12259.8
27.5°	16712.4	16402.8	16026.5	15491.4	14921.9	14231.0	12858.0	12041.2	11339.4	10731.5	10069.7
30°	15318.8	14916.2	14430.2	13766.1	13079.2	12295.7	10903.1	10075.7	9365.3	8739.9	8077.7
32.5°	13744.0	13272.4	12702.9	11957.6	11214.6	10409.0	9064.1	8263.3	7584.7	6983.1	6383.7
35°	12006.9	11501.3	10898.7	10138.6	9400.1	8616.9	7382.8	6660.7	6061.4	5529.7	5045.7
37.5°	10143.7	9647.2	9074.6	8358.1	7673.2	6963.5	5898.7	5293.6	4790.8	4349.4	3975.6
40°	8206.4	7772.0	7276.4	6657.0	6072.6	5481.6	4607.5	4127.1	3730.3	3393.7	3113.6
42.5°	6292.9	5956.2	5576.2	5086.7	4639.5	4189.4	3516.7	3160.9	2866.9	2624.6	2426.6
45°	4565.8	4340.5	4085.6	3745.4	3435.9	3122.0	2643.1	2393.1	2201.6	2045.3	1913.3
47.5°	3191.7	3061.1	3053.0	2738.6	2511.7	2319.7	2011.2	1853.3	1736.0	1641.3	1557.7
50°	2241.4	2178.2	2099.7	1987.5	1882.2	1773.6	1585.8	1490.3	1421.5	1364.2	1311.3
52.5°	1675.6	1642.8	1601.0	1541.4	1484.4	1423.3	1304.4	1243.6	1222.0	1168.6	1126.8
55°	1338.4	1319.5	1295.7	1260.8	1226.0	1212.1	1110.3	1065.1	1036.5	1015.5	992.9
57.5°	1111.7	1097.7	1083.5	1059.8	1039.8	1015.5	961.4	938.2	921.2	908.8	893.2
60°	948.3	939.9	932.0	918.1	907.2	894.1	859.8	846.7	837.8	830.4	820.4
62.5°	837.0	832.7	828.6	821.2	815.7	808.5	785.0	778.8	774.3	770.6	764.5
65°	756.6	753.5	751.2	746.3	743.6	739.4	719.2	715.0	712.3	710.9	707.4
67.5°	683.6	680.4	678.9	675.4	674.2	671.7	655.1	652.8	651.9	652.3	651.0
70°	615.3	614.0	614.7	614.1	615.7	616.1	606.2	606.1	607.1	609.3	609.5
72.5°	574.4	574.4	575.1	575.5	577.0	577.7	569.4	569.0	569.4	571.0	571.1
75°	535.5	536.1	538.2	539.0	540.7	541.0	530.0	528.8	528.8	530.3	529.9
77.5°	481.6	483.9	487.9	490.0	493.4	494.0	481.7	480.2	480.3	481.7	480.5
80°	420.4	424.9	431.3	435.8	440.9	443.1	430.3	427.3	424.5	424.1	421.5
82.5°	355.5	360.9	368.6	372.6	378.2	379.4	358.2	354.1	351.8	352.0	349.7
85°	271.4	275.5	282.4	284.7	288.2	287.8	263.6	253.3	256.0	251.7	255.0
87.5°	170.2	172.6	177.0	177.5	179.2	178.9	154.4	149.6	148.2	148.3	146.5
90°	103.6	106.6	111.7	113.1	116.8	117.8	99.4	98.4	95.5	95.4	91.8
92.5°	50.4	53.9	57.6	61.1	64.8	68.4	69.8	72.7	69.2	65.2	61.8
95°	59.5	65.4	71.3	77.3	83.1	89.0	94.9	100.8	95.3	89.7	84.2
97.5°	66.8	73.8	80.7	87.8	94.7	101.7	108.6	115.6	109.7	103.6	97.8
100°	87.9	100.9	113.8	126.7	139.6	152.7	165.6	178.6	167.2	155.8	144.4
102.5°	182.7	210.2	237.7	265.3	292.7	320.3	348.0	375.5	349.3	323.0	296.8
105°	353.9	398.5	443.1	487.6	532.2	576.8	621.7	666.3	624.4	582.6	540.8
107.5°	560.9	606.2	651.3	696.5	741.8	787.1	832.6	877.9	837.1	796.2	755.5
110°	689.4	722.4	755.5	788.4	821.5	854.4	887.9	921.0	896.5	872.0	847.4



TEST NUMBER: P1444661
 CATALOG NUMBER: EHBR1-24-UNV-TA-L930-UPL24

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	717.8	741.4	765.0	788.7	812.1	835.7	860.0	883.7	871.4	859.1	846.8
115°	678.9	694.8	710.7	726.6	742.6	758.4	775.1	791.2	787.2	783.3	779.4
117.5°	611.4	620.3	629.2	638.1	646.9	655.9	665.7	674.8	675.4	676.1	676.8
120°	539.5	543.3	547.0	550.8	554.5	558.2	563.1	567.1	570.4	573.7	577.0
122.5°	478.4	479.8	481.2	482.6	484.0	485.4	488.2	489.9	492.2	494.5	496.8
125°	429.1	429.9	430.5	431.2	431.8	432.6	434.8	435.8	436.0	436.0	436.3
127.5°	396.0	396.2	396.3	396.5	396.4	396.6	398.3	398.9	397.5	396.1	394.7
130°	371.9	372.3	372.6	373.0	373.3	373.7	375.8	376.7	374.2	371.7	369.2
132.5°	356.2	356.6	357.1	357.6	358.1	358.5	360.9	361.8	359.1	356.1	353.2
135°	342.9	343.6	344.2	344.7	345.2	346.0	348.6	349.8	347.1	344.2	341.6
137.5°	331.7	332.3	332.9	333.6	334.2	334.8	337.8	338.9	336.8	334.4	332.4
140°	322.1	322.8	323.6	324.4	325.1	326.0	329.2	330.5	328.9	327.1	325.4
142.5°	312.3	313.5	314.6	315.8	316.8	318.0	321.7	323.4	322.1	320.8	319.6
145°	306.0	307.4	308.5	309.8	311.0	312.4	316.5	318.6	317.9	316.9	316.1
147.5°	300.2	301.4	302.5	303.7	304.9	306.3	310.6	312.4	312.0	311.5	310.9
150°	294.4	295.6	296.7	298.0	299.3	300.7	305.4	307.5	307.2	306.6	306.2
152.5°	288.0	289.0	290.1	291.1	292.3	293.5	299.2	301.3	300.9	300.4	300.1
155°	283.8	284.7	285.4	286.4	287.2	288.3	294.1	296.2	296.0	295.8	295.5
157.5°	282.3	282.8	283.3	284.0	284.6	285.3	291.3	293.4	293.1	292.9	292.7
160°	281.2	281.7	282.0	282.6	283.0	283.6	289.7	291.6	291.4	291.1	290.9
162.5°	280.6	281.4	281.9	282.5	283.0	283.8	290.0	292.2	291.7	291.4	291.0
165°	282.0	282.3	282.7	283.1	283.5	283.8	289.6	291.3	291.2	291.0	290.7
167.5°	283.7	284.3	284.5	285.1	285.3	286.0	291.3	293.0	292.8	292.6	292.5
170°	286.2	286.7	286.9	287.3	287.7	288.1	292.7	294.0	293.9	293.4	293.2
172.5°	288.6	289.1	289.4	289.8	290.2	290.7	294.5	295.9	295.7	295.4	295.1
175°	289.1	289.4	289.7	290.1	290.4	290.8	293.8	294.7	294.6	294.5	294.3
177.5°	291.6	291.8	292.0	292.3	292.6	292.8	294.7	295.2	295.2	295.2	295.1
180°	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4



TEST NUMBER: P1444661
 CATALOG NUMBER: EHBR1-24-UNV-TA-L930-UPL24

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5
2.5°	19074.3	19081.0	19082.0	19089.8	19089.2	19098.5	19097.0	19104.7	19100.2	19106.5	19101.2
5°	19522.3	19562.9	19584.2	19623.9	19636.3	19671.9	19681.9	19714.2	19715.6	19741.2	19735.4
7.5°	20155.7	20215.6	20251.1	20300.2	20325.0	20365.8	20383.8	20414.0	20423.8	20447.7	20449.6
10°	20533.9	20563.0	20583.3	20597.0	20609.5	20615.3	20622.2	20620.3	20622.2	20619.5	20625.3
12.5°	20385.2	20342.7	20314.6	20261.5	20230.6	20171.8	20143.0	20086.5	20066.0	20017.4	20010.4
15°	19631.7	19483.7	19379.2	19227.1	19131.5	18981.9	18894.4	18759.5	18697.8	18590.5	18562.3
17.5°	18258.5	17983.7	17771.2	17498.4	17309.2	17054.4	16894.0	16683.1	16567.5	16397.4	16338.5
20°	16333.2	15926.7	15607.9	15228.0	14956.1	14617.4	14400.5	14127.1	13968.3	13759.3	13674.6
22.5°	14072.9	13566.8	13168.5	12719.8	12391.7	12014.3	11754.5	11458.5	11285.8	11058.9	10958.3
25°	11743.2	11185.0	10742.3	10269.5	9922.9	9544.5	9284.7	8994.0	8815.2	8599.7	8499.9
27.5°	9515.0	8950.1	8522.1	8082.5	7764.7	7423.3	7188.7	6934.9	6776.3	6592.4	6498.4
30°	7548.7	7050.4	6686.3	6321.5	6057.0	5779.8	5584.9	5374.5	5235.4	5077.8	4988.3
32.5°	5946.7	5562.0	5276.9	4987.4	4771.0	4539.3	4370.9	4185.3	4059.7	3919.1	3838.0
35°	4709.7	4410.8	4183.4	3945.1	3759.2	3561.8	3413.4	3253.3	3140.6	3019.4	2949.4
37.5°	3721.1	3483.5	3296.3	3098.4	2945.7	2782.1	2727.1	2543.2	2426.5	2329.8	2262.9
40°	2920.4	2731.4	2576.6	2425.1	2300.6	2176.6	2077.1	1978.9	1903.5	1834.3	1786.5
42.5°	2280.6	2143.6	2030.5	1919.7	1828.8	1738.4	1666.3	1598.7	1547.9	1502.7	1471.9
45°	1812.9	1718.8	1640.2	1562.1	1498.0	1437.7	1389.1	1346.0	1313.2	1286.0	1266.8
47.5°	1489.4	1424.9	1369.5	1316.7	1273.3	1233.8	1201.3	1190.7	1155.4	1131.6	1122.6
50°	1265.8	1226.8	1184.7	1145.8	1116.8	1087.9	1066.8	1046.1	1032.9	1022.0	1018.7
52.5°	1098.9	1069.1	1045.7	1021.1	1001.9	981.3	966.8	953.0	945.8	940.1	939.3
55°	974.8	954.0	938.5	922.0	910.5	898.4	890.9	883.6	880.4	877.5	877.8
57.5°	880.9	867.0	856.9	846.2	840.0	834.2	832.3	830.5	831.4	831.9	833.5
60°	812.5	803.5	797.1	791.0	788.4	786.5	787.9	789.5	792.8	795.5	797.9
62.5°	760.1	754.9	751.9	748.5	748.2	748.4	751.1	753.9	758.1	761.2	763.5
65°	706.1	703.1	702.1	700.1	701.1	701.8	705.2	707.2	711.4	713.9	716.8
67.5°	651.6	650.9	651.5	651.5	653.4	655.1	658.3	660.7	664.2	666.5	668.9
70°	611.3	611.6	613.1	613.4	615.4	616.5	619.3	620.9	624.1	625.9	628.9
72.5°	572.1	571.5	571.8	571.0	571.7	571.4	572.9	573.7	576.4	577.9	581.4
75°	530.5	528.7	528.3	526.4	526.5	525.1	525.8	525.7	527.5	528.2	530.7
77.5°	480.1	477.1	475.7	472.6	472.5	471.3	472.6	473.3	476.4	477.9	480.8
80°	419.8	415.2	413.0	409.4	410.0	409.8	413.0	415.3	419.1	419.8	423.5
82.5°	349.0	344.2	342.0	338.4	339.3	339.3	342.1	342.6	345.9	347.4	351.6
85°	249.9	251.7	246.7	247.0	246.0	247.9	249.9	252.3	255.0	259.6	263.2
87.5°	147.1	146.5	148.3	148.5	151.0	152.4	156.5	158.8	163.3	167.0	173.4
90°	90.8	87.2	87.5	85.5	86.9	84.9	86.3	84.2	86.1	85.5	88.0
92.5°	57.7	54.2	50.2	46.6	42.7	39.3	37.2	35.7	33.8	32.3	30.3
95°	78.8	73.3	67.8	62.3	56.9	51.3	49.3	47.3	45.3	43.3	41.3
97.5°	91.9	85.9	80.0	74.1	68.2	62.3	61.0	59.6	58.3	56.9	55.6
100°	132.9	121.6	110.1	98.6	87.3	75.9	74.9	73.8	72.7	71.6	70.6
102.5°	270.7	244.7	218.6	192.4	166.3	140.1	135.5	131.0	126.5	121.9	117.4
105°	498.9	457.1	415.3	373.5	331.8	289.9	277.4	264.8	252.4	239.9	227.5
107.5°	714.6	673.9	633.1	592.3	551.5	510.8	491.1	471.4	451.6	431.9	412.2
110°	822.8	798.3	774.0	749.3	724.9	700.5	681.6	662.8	644.0	625.2	606.4



TEST NUMBER: P1444661
 CATALOG NUMBER: EHBR1-24-UNV-TA-L930-UPL24

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	834.5	822.3	810.0	797.7	785.5	773.2	764.1	754.9	745.8	736.6	727.3
115°	775.5	771.5	767.6	763.8	760.1	756.1	755.4	754.8	754.1	753.5	752.8
117.5°	677.5	678.2	678.9	679.7	680.5	681.2	686.1	690.9	695.8	700.9	706.0
120°	580.3	583.7	586.9	590.3	593.7	597.1	603.6	610.1	616.7	623.4	630.1
122.5°	499.0	501.4	503.6	506.0	508.3	510.7	517.1	523.6	530.1	536.7	543.4
125°	436.2	436.4	436.4	436.5	436.6	436.8	442.2	447.4	452.9	458.3	463.7
127.5°	393.3	391.7	390.3	389.0	387.5	386.1	389.2	392.4	395.6	398.8	402.1
130°	366.6	364.1	361.4	359.0	356.4	354.0	355.2	356.4	357.7	359.0	360.3
132.5°	350.2	347.4	344.3	341.5	338.5	335.5	335.4	335.4	335.3	335.4	335.5
135°	338.7	336.0	333.0	330.3	327.3	324.6	323.9	323.1	322.4	321.8	321.2
137.5°	330.2	327.9	325.7	323.5	321.2	318.9	317.8	316.9	315.8	315.0	314.1
140°	323.6	321.9	319.9	318.2	316.4	314.7	313.7	313.0	312.1	311.4	310.6
142.5°	318.1	316.9	315.5	314.2	312.9	311.5	310.7	309.8	309.0	308.3	307.6
145°	315.2	314.4	313.5	312.6	311.6	310.9	310.1	309.6	308.9	308.4	307.9
147.5°	310.5	309.8	309.3	308.7	308.2	307.5	307.0	306.7	306.2	305.9	305.5
150°	305.7	305.2	304.6	304.2	303.5	303.1	302.8	302.6	302.3	302.3	301.9
152.5°	299.5	299.2	298.6	298.3	297.6	297.2	296.9	296.8	296.6	296.5	296.1
155°	295.1	294.9	294.5	294.3	293.8	293.6	293.3	292.9	292.7	292.3	291.9
157.5°	292.4	292.1	291.8	291.6	291.1	290.9	290.6	290.3	290.0	289.7	289.4
160°	290.6	290.4	290.1	289.8	289.5	289.3	288.7	288.4	287.8	287.6	287.0
162.5°	290.7	290.2	289.9	289.4	289.0	288.6	288.3	287.9	287.7	287.4	287.0
165°	290.4	290.2	289.9	289.6	289.4	289.1	288.6	288.3	287.8	287.4	286.9
167.5°	292.1	291.9	291.7	291.5	291.1	290.8	290.4	290.1	289.6	289.3	288.7
170°	292.8	292.5	292.1	291.8	291.4	291.0	290.6	290.2	289.8	289.5	289.0
172.5°	294.8	294.6	294.2	294.0	293.5	293.3	292.9	292.7	292.3	291.9	291.7
175°	294.3	294.3	294.2	293.9	293.9	293.7	293.5	293.5	293.4	293.3	293.1
177.5°	295.1	295.1	295.1	295.0	294.9	294.9	294.7	294.5	294.3	294.1	294.0
180°	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4



TEST NUMBER: P1444661
 CATALOG NUMBER: EHBR1-24-UNV-TA-L930-UPL24

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5
2.5°	19106.6	19101.8	19104.2	19095.2	19097.3	19086.5	19085.5	19073.3	19072.2	19060.7	19056.3
5°	19753.6	19742.9	19755.0	19736.2	19739.9	19715.6	19713.5	19682.1	19671.2	19631.9	19614.9
7.5°	20464.6	20460.6	20467.9	20452.3	20451.7	20430.0	20421.1	20392.8	20375.4	20334.0	20307.6
10°	20620.3	20624.0	20618.0	20619.5	20611.1	20608.7	20600.0	20594.5	20580.3	20569.6	20553.9
12.5°	19973.5	19977.5	19952.8	19968.4	19956.1	19985.0	19982.5	20016.6	20021.8	20064.8	20081.1
15°	18478.8	18474.1	18426.7	18456.6	18440.6	18503.9	18518.1	18603.3	18648.9	18758.3	18825.5
17.5°	16220.6	16208.4	16141.7	16178.1	16159.6	16253.0	16284.3	16420.6	16505.6	16681.9	16807.5
20°	13528.8	13505.4	13427.4	13469.9	13450.9	13557.0	13601.7	13766.4	13876.0	14109.6	14275.7
22.5°	10803.5	10766.7	10690.3	10729.9	10711.9	10821.9	10880.1	11045.3	11170.9	11410.6	11604.5
25°	8356.3	8323.4	8249.5	8277.3	8270.7	8363.6	8415.4	8571.7	8695.1	8923.4	9108.5
27.5°	6373.5	6339.3	6272.6	6292.2	6285.5	6364.7	6413.5	6544.1	6650.2	6842.5	7005.0
30°	4878.0	4836.7	4780.2	4791.0	4786.4	4850.6	4896.1	5006.1	5097.1	5259.6	5399.6
32.5°	3739.0	3697.5	3645.6	3650.6	3643.8	3694.1	3731.6	3827.3	3906.6	4044.7	4166.6
35°	2860.8	2909.3	2798.3	2868.6	2795.4	2902.9	2864.2	2924.0	2992.2	3108.6	3210.2
37.5°	2199.3	2165.6	2137.0	2133.9	2133.7	2158.7	2188.1	2245.7	2305.7	2392.4	2482.0
40°	1742.8	1719.1	1700.7	1699.3	1700.7	1718.4	1740.1	1779.9	1823.9	1886.2	1952.0
42.5°	1445.5	1429.7	1418.6	1417.9	1421.4	1433.9	1449.1	1472.7	1501.3	1541.7	1586.8
45°	1251.1	1242.3	1236.2	1235.8	1237.4	1243.9	1252.7	1267.4	1285.6	1310.7	1339.3
47.5°	1114.6	1112.6	1108.7	1108.8	1107.1	1109.7	1110.7	1119.0	1128.6	1147.6	1184.9
50°	1015.4	1015.4	1012.7	1012.5	1010.0	1009.8	1007.7	1011.0	1015.5	1027.3	1039.2
52.5°	936.9	936.6	933.6	933.1	930.4	930.3	928.5	929.7	930.3	936.3	943.4
55°	875.5	873.7	869.8	868.6	867.6	869.1	868.4	868.5	867.7	870.2	872.3
57.5°	831.4	829.0	825.5	824.4	824.1	826.0	826.0	825.4	822.1	819.8	816.6
60°	796.6	794.2	790.4	789.4	789.9	792.5	792.3	790.2	785.3	781.0	775.9
62.5°	762.4	761.4	759.4	759.2	758.6	759.1	757.3	755.1	750.2	745.6	740.2
65°	716.5	717.0	715.5	715.7	714.0	713.6	711.0	708.8	703.8	699.7	694.1
67.5°	668.8	669.2	667.9	667.9	667.0	667.2	665.6	663.5	659.4	656.0	651.7
70°	629.5	630.5	629.8	630.0	628.9	628.4	625.9	623.9	619.6	616.8	612.9
72.5°	582.4	584.6	584.5	585.0	583.3	582.4	579.4	576.9	573.1	570.8	567.7
75°	531.7	534.4	535.2	536.4	534.0	532.7	529.4	527.5	524.3	522.9	520.9
77.5°	482.1	485.1	488.0	490.7	486.8	483.4	479.2	476.0	471.5	469.7	466.5
80°	426.4	431.8	438.2	443.5	436.6	429.5	422.7	417.6	411.6	409.1	405.2
82.5°	353.8	359.2	363.0	366.3	361.5	356.4	349.8	345.3	338.8	336.4	331.9
85°	268.8	275.6	277.8	279.6	276.5	273.8	267.5	259.1	255.0	248.6	245.3
87.5°	176.8	180.9	181.6	182.2	180.4	179.0	175.0	171.1	164.1	159.0	152.8
90°	86.7	88.2	85.5	85.4	84.0	85.4	82.3	82.3	77.5	76.5	72.4
92.5°	28.7	26.8	25.0	23.3	25.4	26.8	28.9	30.3	32.3	33.8	35.7
95°	39.3	37.2	35.3	33.2	34.8	36.4	38.1	39.7	41.3	42.9	44.5
97.5°	54.3	52.9	51.6	50.3	51.2	52.1	53.1	54.0	55.0	55.9	56.9
100°	69.5	68.4	67.4	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
102.5°	112.8	108.3	103.7	99.2	102.3	105.3	108.5	111.5	114.6	117.6	120.8
105°	215.0	202.6	190.2	177.7	189.7	201.8	213.9	225.9	237.9	250.1	262.3
107.5°	392.5	372.9	353.2	333.5	355.5	377.4	399.4	421.3	443.3	465.2	487.4
110°	587.7	569.0	550.2	531.5	554.7	578.1	601.3	624.6	648.0	671.3	694.6



TEST NUMBER: P1444661
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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°	718.2	709.1	700.0	690.9	705.9	720.8	735.9	751.1	766.0	781.1	796.1
115°	752.2	751.7	751.1	750.6	757.7	764.8	771.9	779.0	786.3	793.3	800.6
117.5°	710.9	715.9	720.9	726.0	728.3	730.6	733.0	735.2	737.7	740.0	742.4
120°	636.8	643.5	650.3	657.1	656.1	655.3	654.3	653.4	652.7	651.9	651.2
122.5°	550.0	556.8	563.6	570.3	568.4	566.3	564.4	562.5	560.7	558.8	557.1
125°	469.5	475.0	480.7	486.4	484.3	482.4	480.4	478.6	476.7	474.9	473.2
127.5°	405.5	408.9	412.3	415.9	414.9	414.0	413.3	412.4	411.7	411.1	410.5
130°	361.7	363.3	364.9	366.4	366.7	367.0	367.5	367.9	368.5	368.9	369.6
132.5°	335.9	336.0	336.4	336.8	337.8	338.9	340.1	341.4	342.8	344.1	345.8
135°	320.7	320.4	319.9	319.7	321.3	322.9	324.6	326.3	328.3	330.3	332.3
137.5°	313.4	312.7	312.1	311.5	313.1	314.7	316.4	318.1	320.0	322.0	324.1
140°	309.9	309.3	309.0	308.4	310.0	311.5	313.2	315.0	316.9	318.8	320.9
142.5°	307.1	306.4	305.9	305.6	306.8	308.3	309.9	311.5	313.2	315.0	316.8
145°	307.4	306.9	306.6	306.3	307.3	308.3	309.5	310.7	312.0	313.1	314.7
147.5°	305.2	304.9	304.8	304.6	305.4	306.1	307.0	307.8	308.9	309.8	310.9
150°	301.9	301.7	301.7	301.6	302.0	302.5	303.1	303.6	304.2	304.9	305.7
152.5°	296.2	295.9	296.0	295.9	296.3	296.7	297.3	297.7	298.4	298.9	299.7
155°	291.8	291.7	291.4	291.2	291.3	291.5	291.8	291.8	292.2	292.4	292.7
157.5°	289.3	289.0	288.8	288.6	288.6	288.5	288.6	288.5	288.6	288.6	288.7
160°	286.8	286.2	286.0	285.6	285.7	285.7	285.9	285.9	286.1	286.2	286.4
162.5°	286.9	286.6	286.3	286.1	285.9	285.6	285.5	285.3	285.1	284.9	284.9
165°	286.5	286.1	285.8	285.3	285.3	285.3	285.1	285.1	285.0	285.0	285.0
167.5°	288.5	287.9	287.7	287.2	286.9	286.5	286.3	286.0	285.7	285.3	285.3
170°	288.8	288.4	288.1	287.7	287.6	287.4	287.3	287.1	287.0	286.9	286.9
172.5°	291.4	291.0	290.8	290.5	290.3	290.2	290.2	290.1	289.9	289.9	289.9
175°	293.0	292.9	292.8	292.7	292.5	292.3	292.2	292.0	291.9	291.7	291.6
177.5°	293.7	293.5	293.4	293.3	293.2	293.2	293.2	293.2	293.2	293.1	293.1
180°	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4



TEST NUMBER: P1444661
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CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5
2.5°	19044.0	19039.0	19025.8	19019.3	19007.1	19001.0	18991.4	18985.3	18977.6	18971.9	18969.0
5°	19571.6	19547.3	19498.5	19468.5	19415.7	19381.0	19328.7	19290.3	19236.3	19196.4	19145.3
7.5°	20258.1	20220.8	20158.2	20110.9	20037.1	19980.8	19898.0	19831.9	19740.4	19664.5	19571.1
10°	20537.6	20515.8	20487.7	20457.3	20416.4	20376.3	20319.8	20262.3	20185.6	20109.2	20009.5
12.5°	20124.5	20145.0	20185.6	20204.4	20235.4	20245.9	20260.1	20253.5	20240.9	20209.7	20164.5
15°	18954.6	19040.3	19175.7	19269.5	19400.7	19492.9	19614.9	19693.4	19783.8	19837.8	19889.2
17.5°	17030.1	17195.9	17434.9	17625.6	17881.5	18089.7	18344.6	18545.0	18776.3	18953.7	19142.7
20°	14565.1	14797.3	15127.3	15407.4	15778.3	16092.8	16495.8	16833.4	17227.1	17555.3	17909.6
22.5°	11912.2	12185.3	12563.3	12901.3	13344.2	13739.8	14244.6	14691.0	15223.2	15700.1	16227.6
25°	9409.5	9677.1	10062.1	10412.1	10890.3	11326.0	11877.5	12389.6	13007.2	13583.3	14244.6
27.5°	7263.1	7500.9	7839.4	8154.4	8592.3	9020.1	9579.8	10125.8	10785.0	11404.0	12116.7
30°	5609.2	5802.1	6073.3	6326.7	6678.3	7028.1	7526.7	8031.7	8687.5	9329.1	10059.7
32.5°	4347.0	4511.4	4737.8	4943.5	5214.4	5478.2	5845.4	6248.8	6824.3	7438.7	8145.2
35°	3365.0	3505.7	3698.4	3875.7	4098.3	4307.9	4581.8	4869.8	5308.9	5825.7	6458.0
37.5°	2682.8	2740.2	2877.7	3022.8	3207.9	3380.0	3594.3	3807.3	4121.4	4529.2	5045.7
40°	2040.3	2131.3	2243.3	2357.6	2497.7	2635.7	2870.9	2984.1	3190.9	3483.6	3884.5
42.5°	1646.2	1710.3	1789.1	1868.5	1966.2	2062.3	2181.2	2302.3	2457.0	2655.2	2940.4
45°	1377.6	1419.3	1470.1	1523.1	1587.2	1652.8	1732.5	1815.6	1920.4	2042.3	2215.5
47.5°	1198.1	1221.2	1254.4	1290.5	1334.5	1379.9	1431.7	1484.6	1549.8	1622.1	1720.7
50°	1058.0	1077.3	1103.1	1127.2	1157.6	1204.1	1224.7	1253.9	1293.0	1335.6	1390.8
52.5°	956.6	969.5	985.7	999.6	1018.8	1036.1	1059.0	1079.2	1106.3	1131.8	1167.5
55°	877.8	882.4	891.6	900.5	913.8	925.7	941.4	954.6	971.9	987.1	1009.6
57.5°	816.8	817.2	821.5	826.1	834.6	842.1	852.9	861.6	873.6	883.3	896.8
60°	773.0	770.7	771.5	773.2	777.9	782.8	789.7	795.3	802.9	808.4	815.9
62.5°	736.5	732.9	732.0	731.5	733.9	735.7	739.5	742.2	746.5	748.9	752.9
65°	690.5	686.2	684.5	682.4	683.1	682.6	684.0	684.1	686.3	686.8	689.1
67.5°	648.7	645.1	642.9	640.2	639.0	637.2	636.3	634.4	634.1	632.6	632.3
70°	610.6	607.0	605.3	602.8	601.5	598.9	597.4	594.3	592.4	589.6	588.0
72.5°	566.5	564.5	564.0	562.3	561.9	560.4	559.8	557.6	556.3	553.8	552.5
75°	520.4	518.8	518.6	516.9	516.9	515.2	514.7	512.4	511.2	508.8	507.7
77.5°	465.5	463.1	462.5	460.5	461.0	460.1	460.8	459.1	458.3	455.8	455.0
80°	403.8	400.7	399.4	396.8	397.5	396.3	397.5	397.4	398.3	396.3	395.9
82.5°	330.5	327.1	326.5	324.7	325.9	326.1	328.7	327.2	327.8	326.0	326.8
85°	240.5	238.0	234.5	234.0	231.7	234.0	231.0	233.0	229.7	232.1	228.9
87.5°	149.1	143.9	141.2	137.4	136.0	132.4	130.9	128.3	129.1	127.9	128.6
90°	72.4	69.0	69.7	67.7	69.1	67.6	69.8	69.2	71.6	71.0	73.7
92.5°	37.2	38.9	42.2	45.5	48.6	51.8	55.1	58.5	61.5	64.9	67.9
95°	46.1	47.7	52.0	56.2	60.5	64.8	69.2	73.5	77.8	82.1	86.4
97.5°	57.8	58.8	63.1	67.4	71.6	75.9	80.2	84.7	88.9	93.2	97.5
100°	66.3	66.4	78.6	90.7	102.9	115.2	127.3	139.6	151.9	164.0	176.2
102.5°	123.9	127.0	157.7	188.7	219.4	250.1	281.0	311.8	342.6	373.6	404.4
105°	274.3	286.4	333.4	380.3	427.3	474.4	521.5	568.6	615.6	662.7	709.7
107.5°	509.3	531.2	573.7	616.2	658.6	701.2	743.8	786.3	828.8	871.4	914.0
110°	718.0	741.3	769.8	798.3	826.8	855.2	883.7	912.3	940.8	969.4	998.0



TEST NUMBER: P1444661
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CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	811.1	826.3	842.8	859.5	876.1	892.7	909.4	926.1	942.7	959.5	976.2
115°	807.7	815.0	821.5	828.0	834.4	840.9	847.5	854.1	860.8	867.3	873.9
117.5°	744.7	747.3	748.3	749.4	750.3	751.6	752.7	753.9	755.2	756.3	757.5
120°	650.4	649.6	648.6	647.6	646.5	645.6	644.7	643.8	643.0	642.1	641.2
122.5°	555.2	553.6	552.6	551.6	550.7	549.9	548.9	548.2	547.4	546.6	545.8
125°	471.5	469.9	470.9	471.9	472.9	474.0	475.1	476.3	477.4	478.5	479.7
127.5°	409.8	409.4	411.9	414.5	417.1	419.6	422.3	425.0	427.6	430.3	432.9
130°	370.3	371.1	374.3	377.6	380.9	384.3	387.6	391.0	394.3	397.7	401.0
132.5°	347.2	348.9	351.9	355.1	358.3	361.5	364.8	368.0	371.3	374.6	377.8
135°	334.4	336.6	339.4	342.4	345.3	348.3	351.3	354.3	357.2	360.2	363.1
137.5°	326.1	328.3	330.7	333.0	335.3	337.8	340.2	342.6	345.0	347.4	349.8
140°	322.9	325.1	326.3	327.9	329.3	330.7	331.9	333.5	334.8	336.3	337.6
142.5°	318.7	320.7	321.5	322.4	323.4	324.5	325.4	326.2	327.1	328.0	328.8
145°	316.0	317.6	317.7	317.9	318.0	318.2	318.3	318.6	318.6	318.8	318.8
147.5°	312.0	313.1	312.9	313.0	312.9	312.8	312.7	312.7	312.5	312.5	312.3
150°	306.4	307.2	306.8	306.6	306.2	305.9	305.6	305.3	304.9	304.7	304.2
152.5°	300.2	300.9	300.4	300.1	299.7	299.3	298.8	298.5	298.0	297.6	297.3
155°	292.9	293.3	293.0	292.8	292.6	292.3	292.0	292.0	291.8	291.6	291.5
157.5°	288.7	288.8	288.6	288.6	288.4	288.3	288.1	288.1	288.0	288.1	288.1
160°	286.4	286.7	286.5	286.3	286.2	286.1	286.0	285.9	285.9	286.0	286.1
162.5°	284.6	284.5	284.5	284.3	284.2	284.0	284.0	284.1	284.0	284.1	284.2
165°	285.1	285.2	284.8	284.6	284.4	284.2	284.0	283.9	283.8	283.7	283.7
167.5°	285.1	285.0	285.0	285.0	285.0	285.1	285.2	285.4	285.5	285.8	285.9
170°	286.9	286.9	286.8	286.7	286.6	286.5	286.5	286.3	286.4	286.4	286.3
172.5°	289.9	289.9	289.6	289.4	289.1	288.8	288.6	288.5	288.2	288.0	287.7
175°	291.3	291.2	291.0	291.0	290.8	290.6	290.4	290.2	290.1	290.0	289.8
177.5°	293.0	292.8	292.7	292.7	292.7	292.7	292.7	292.6	292.6	292.6	292.4
180°	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4



TEST NUMBER: P1444661
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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°	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5
2.5°	18965.1	18964.9	18963.1	18963.9	18964.2	18965.6	18967.3	18969.0	18969.2	18970.7	18970.9
5°	19107.0	19060.1	19025.5	18987.2	18958.5	18932.7	18915.5	18901.9	18896.5	18897.9	18901.1
7.5°	19491.9	19395.0	19315.2	19224.3	19148.5	19068.3	19001.8	18938.6	18892.5	18858.2	18839.0
10°	19914.2	19796.3	19683.4	19552.0	19427.2	19294.1	19173.6	19052.2	18951.0	18863.0	18798.5
12.5°	20101.7	20018.3	19920.7	19796.7	19663.2	19509.6	19354.5	19188.3	19033.6	18890.1	18774.3
15°	19903.2	19903.4	19867.9	19808.2	19715.6	19592.9	19445.1	19271.8	19089.4	18903.2	18733.1
17.5°	19273.3	19392.2	19458.3	19500.1	19487.3	19442.1	19348.0	19214.9	19044.8	18846.5	18639.0
20°	18191.5	18471.9	18671.8	18851.5	18952.2	19019.1	19012.5	18958.3	18837.2	18668.6	18452.5
22.5°	16676.2	17146.8	17518.0	17864.2	18107.0	18304.5	18398.4	18438.3	18383.4	18265.9	18062.9
25°	14835.7	15475.4	16021.3	16551.1	16948.6	17290.2	17495.4	17640.0	17651.5	17590.1	17409.0
27.5°	12790.5	13545.7	14236.6	14940.8	15499.6	15990.6	16312.8	16548.6	16623.5	16613.7	16449.2
30°	10747.9	11540.7	12302.3	13123.4	13815.0	14442.2	14867.9	15186.8	15309.7	15333.2	15175.0
32.5°	8819.0	9600.7	10360.2	11218.6	11979.7	12698.6	13201.4	13580.2	13723.1	13756.8	13583.3
35°	7068.2	7789.4	8511.3	9343.2	10099.9	10844.4	11374.2	11770.8	11904.3	11926.7	11725.9
37.5°	5550.1	6164.5	6793.5	7540.0	8234.8	8934.1	9437.4	9810.2	9907.4	9901.4	9674.1
40°	4271.9	4749.6	5254.9	5869.5	6447.2	7038.2	7463.3	7771.4	7822.5	7784.7	7545.9
42.5°	3212.2	3557.2	3923.6	4382.4	4811.0	5253.4	5562.6	5791.3	5798.6	5738.8	5524.5
45°	2393.1	2729.7	2883.4	3160.7	3436.8	3730.9	3919.8	4061.1	4039.2	3986.6	3823.7
47.5°	1824.3	1953.6	2090.9	2262.9	2423.7	2757.5	2732.8	2959.7	2796.2	2907.7	2662.4
50°	1448.7	1521.0	1595.0	1686.2	1770.2	1857.5	1912.0	1952.7	1947.4	1929.9	1882.9
52.5°	1232.4	1254.8	1291.3	1343.1	1390.1	1437.2	1468.3	1493.5	1494.1	1487.0	1463.3
55°	1030.1	1058.5	1084.6	1118.6	1176.3	1185.2	1229.8	1220.7	1224.2	1211.9	1224.5
57.5°	908.2	924.7	939.4	959.7	976.3	995.8	1007.3	1018.4	1017.3	1014.9	1002.8
60°	821.9	831.0	839.2	850.9	860.1	871.1	876.4	882.0	880.2	876.1	865.3
62.5°	755.2	761.0	765.7	773.2	778.9	785.7	788.4	790.8	788.4	784.6	775.0
65°	689.6	693.3	696.2	702.0	705.9	711.8	714.1	716.3	714.2	711.1	703.8
67.5°	630.4	630.7	630.4	632.7	634.0	637.4	638.5	640.2	637.6	635.0	628.9
70°	585.4	584.5	583.3	584.3	584.5	586.2	586.5	586.2	583.2	578.6	571.9
72.5°	550.3	549.8	548.9	549.7	549.7	551.3	550.8	550.0	546.3	541.9	535.2
75°	505.1	504.8	503.1	503.1	501.7	502.2	500.4	499.4	495.2	491.6	485.6
77.5°	452.3	451.5	449.0	448.1	445.4	444.2	440.8	439.2	434.9	431.9	426.9
80°	393.3	392.5	389.2	387.5	383.3	380.6	375.5	372.6	367.7	364.8	359.9
82.5°	325.1	325.4	322.3	320.1	314.0	309.4	302.6	299.0	293.6	290.8	285.7
85°	231.3	228.0	229.6	229.6	225.7	221.7	216.2	212.4	207.8	205.1	201.6
87.5°	126.8	127.6	126.7	125.9	123.2	121.2	116.9	114.6	111.3	109.7	107.0
90°	68.5	66.6	61.7	59.8	54.8	51.9	46.4	43.9	38.9	37.7	34.6
92.5°	64.3	60.7	57.2	53.5	50.0	46.4	42.8	39.2	35.6	34.1	33.2
95°	81.1	75.9	70.7	65.4	60.2	55.0	49.8	44.6	39.4	38.3	37.2
97.5°	91.3	85.2	79.0	73.0	66.8	60.7	54.6	48.5	42.3	41.6	41.0
100°	162.1	148.0	133.8	119.6	105.5	91.3	77.1	62.9	48.8	48.0	47.2
102.5°	370.0	335.6	301.3	267.0	232.9	198.5	164.1	129.7	95.4	90.4	85.5
105°	657.7	605.8	553.8	501.9	449.9	397.9	345.9	293.9	241.9	225.2	208.5
107.5°	865.1	816.3	767.4	718.6	669.8	620.9	572.0	523.2	474.3	444.9	415.4
110°	959.2	920.4	881.7	842.9	804.2	765.4	726.5	687.8	649.0	623.6	598.4



TEST NUMBER: P1444661
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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°	947.9	919.4	891.1	862.6	834.3	805.8	777.4	748.8	720.4	705.1	689.7
115°	856.9	839.8	822.7	805.6	788.5	771.4	754.3	737.0	719.9	711.8	703.6
117.5°	748.8	740.1	731.4	722.7	713.9	705.1	696.3	687.5	678.7	675.8	673.1
120°	638.7	636.1	633.3	630.7	628.0	625.4	622.6	620.0	617.1	617.5	617.8
122.5°	546.9	548.0	549.0	549.9	551.0	551.9	553.0	553.8	554.7	557.0	559.1
125°	482.3	484.8	487.4	489.9	492.4	494.8	497.4	499.8	502.4	504.5	506.8
127.5°	435.9	438.7	441.6	444.4	447.4	450.0	453.0	455.6	458.5	460.4	462.5
130°	403.6	405.9	408.5	410.9	413.4	415.8	418.2	420.7	423.1	424.7	426.2
132.5°	380.0	382.2	384.4	386.6	388.9	390.9	393.3	395.4	397.7	398.8	400.0
135°	364.8	366.4	368.1	369.6	371.4	373.0	374.7	376.4	378.2	378.9	379.8
137.5°	351.1	352.4	353.9	355.1	356.5	357.9	359.4	360.7	362.3	362.6	363.2
140°	339.1	340.4	341.9	343.3	344.9	346.2	347.9	349.4	351.0	351.5	351.9
142.5°	330.0	331.1	332.1	333.3	334.5	335.6	336.9	338.3	339.5	340.0	340.4
145°	320.3	321.5	322.9	324.1	325.5	327.0	328.6	330.0	331.6	331.8	332.1
147.5°	313.4	314.5	315.7	316.9	318.0	319.2	320.7	322.0	323.4	323.7	323.8
150°	305.6	306.7	308.0	309.1	310.6	311.9	313.3	314.8	316.4	316.8	317.2
152.5°	298.6	299.9	301.2	302.6	304.1	305.6	307.2	308.7	310.3	310.7	311.2
155°	292.8	294.1	295.5	296.9	298.4	299.8	301.3	302.8	304.3	304.9	305.4
157.5°	289.4	290.4	291.8	293.0	294.3	295.6	297.0	298.3	299.8	300.1	300.6
160°	287.1	288.1	289.3	290.4	291.6	292.7	294.0	295.1	296.4	296.7	297.2
162.5°	285.3	286.3	287.5	288.6	289.8	290.9	292.1	293.2	294.4	294.8	295.2
165°	284.5	285.3	286.2	286.9	287.8	288.6	289.5	290.4	291.3	291.8	292.3
167.5°	286.6	287.1	287.7	288.4	289.1	289.8	290.5	291.1	291.8	292.3	292.7
170°	286.9	287.5	288.0	288.6	289.3	289.9	290.4	291.0	291.8	292.1	292.6
172.5°	288.1	288.4	288.9	289.2	289.6	290.0	290.4	290.9	291.2	291.8	292.1
175°	290.1	290.2	290.4	290.5	290.8	291.0	291.2	291.5	291.8	292.0	292.4
177.5°	292.5	292.7	292.7	292.9	293.2	293.4	293.5	293.7	293.9	294.3	294.7
180°	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4



TEST NUMBER: P1444661
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CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5
2.5°	18970.3	18970.0	18969.4	18968.6	18967.7	18968.3	18969.1	18971.3	18975.0	18980.6	18987.8
5°	18903.6	18907.6	18909.7	18910.1	18908.0	18906.9	18908.7	18913.9	18924.4	18942.1	18965.8
7.5°	18833.9	18838.6	18846.0	18851.5	18852.5	18851.2	18851.5	18859.6	18879.1	18913.5	18961.6
10°	18759.3	18745.1	18752.6	18766.2	18777.1	18779.1	18780.4	18790.1	18818.5	18870.4	18947.8
12.5°	18690.4	18645.6	18636.9	18649.2	18665.7	18671.1	18669.5	18673.7	18707.0	18775.7	18883.5
15°	18599.9	18515.4	18486.6	18489.7	18510.1	18517.4	18512.1	18503.9	18536.3	18620.2	18759.8
17.5°	18453.3	18317.1	18264.1	18261.8	18285.6	18292.0	18278.9	18253.5	18285.3	18390.0	18563.3
20°	18230.5	18029.4	17929.5	17913.7	17939.6	17932.0	17905.8	17867.5	17909.4	18036.7	18242.8
22.5°	17829.8	17575.2	17404.6	17349.5	17380.5	17359.8	17321.7	17272.7	17328.3	17472.9	17702.5
25°	17175.2	16881.0	16647.4	16516.3	16541.0	16504.0	16462.5	16403.0	16469.4	16635.3	16888.1
27.5°	16213.0	15873.2	15583.7	15366.7	15374.6	15326.2	15278.3	15201.4	15284.3	15480.8	15765.8
30°	14933.6	14540.4	14187.7	13892.9	13866.6	13819.5	13770.4	13669.5	13773.3	14008.4	14341.5
32.5°	13326.8	12890.2	12482.8	12110.0	12039.6	11993.8	11950.1	11834.0	11969.8	12244.0	12626.6
35°	11447.8	10982.7	10541.0	10115.2	9998.7	9952.8	9914.5	9803.3	9972.7	10271.2	10684.4
37.5°	9385.2	8910.1	8471.6	8035.0	7870.4	7808.1	7780.4	7707.5	7902.9	8198.0	8612.9
40°	7267.9	6826.0	6433.0	6047.3	5859.6	5764.2	5749.7	5736.4	5925.5	6181.5	6558.2
42.5°	5287.0	4930.6	4627.5	4332.7	4162.7	4032.5	4032.4	4072.0	4242.1	4433.9	4724.3
45°	3657.2	3418.1	3224.9	3027.9	3080.6	2821.1	2973.6	2895.3	2979.4	3103.0	3291.9
47.5°	2514.0	2383.4	2277.3	2167.3	2087.0	2010.5	2017.2	2066.6	2145.8	2219.1	2317.4
50°	1832.3	1765.8	1711.7	1654.6	1614.7	1580.9	1582.8	1604.2	1645.8	1684.5	1735.9
52.5°	1435.7	1399.0	1369.7	1338.0	1317.1	1300.4	1301.2	1311.7	1334.1	1356.2	1385.7
55°	1183.3	1179.0	1140.7	1112.4	1101.6	1090.3	1092.4	1096.5	1111.8	1124.7	1144.2
57.5°	991.7	974.5	963.1	948.2	941.3	933.4	935.2	936.7	946.9	955.6	969.6
60°	856.3	844.2	836.1	825.9	821.4	816.4	817.5	818.4	824.9	830.6	840.7
62.5°	766.4	755.5	748.5	740.6	737.4	734.0	734.8	735.1	739.2	743.4	751.0
65°	697.4	688.8	682.9	676.1	672.8	669.2	669.6	669.6	673.1	676.1	681.8
67.5°	624.4	617.9	614.1	608.7	606.5	602.9	602.9	601.7	603.9	605.2	609.0
70°	565.9	559.3	554.5	549.3	546.4	543.3	543.3	543.4	546.1	548.8	553.8
72.5°	529.7	523.4	519.1	514.6	511.9	509.2	508.8	508.5	510.4	511.9	515.2
75°	481.7	476.8	474.3	470.0	467.9	464.8	464.4	462.9	463.8	464.2	466.6
77.5°	423.6	418.9	416.9	412.6	410.8	407.3	407.1	405.6	406.3	405.7	407.7
80°	357.4	353.2	352.0	348.4	347.6	344.4	344.0	342.0	342.6	341.1	341.8
82.5°	283.5	279.6	278.7	275.5	275.5	272.6	272.4	269.6	269.6	267.1	263.2
85°	199.7	196.8	195.6	192.9	192.1	189.8	188.7	185.9	184.9	183.1	182.6
87.5°	105.4	103.6	101.9	100.7	98.3	94.2	93.8	90.9	91.2	89.1	89.2
90°	33.7	30.8	30.0	27.4	26.4	24.3	23.5	23.9	24.8	25.2	26.1
92.5°	31.9	30.7	29.5	28.3	27.1	25.9	24.7	25.9	27.1	28.3	29.5
95°	36.2	35.1	34.0	33.0	31.9	30.8	29.8	30.8	31.9	33.1	34.1
97.5°	40.3	39.7	38.9	38.3	37.6	37.0	36.3	37.1	37.7	38.4	39.0
100°	46.4	45.6	44.8	44.0	43.2	42.4	41.6	42.6	43.4	44.2	45.0
102.5°	80.6	75.7	70.7	65.8	60.8	55.9	50.9	55.9	60.8	65.9	70.8
105°	191.8	175.1	158.4	141.7	124.9	108.3	91.5	108.4	125.0	141.8	158.6
107.5°	386.0	356.8	327.3	298.0	268.5	239.1	209.7	239.1	268.6	298.0	327.4
110°	573.0	547.7	522.2	496.9	471.5	446.1	420.7	446.2	471.7	497.1	522.5



TEST NUMBER: P1444661
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CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	674.2	658.8	643.4	628.1	612.5	597.1	581.6	597.2	612.7	628.4	643.8
115°	695.6	687.4	679.3	671.1	662.9	654.8	646.5	655.0	663.3	671.6	679.9
117.5°	670.1	667.4	664.5	661.7	658.7	655.9	652.8	656.1	659.1	662.3	665.2
120°	618.1	618.5	618.7	619.0	619.3	619.4	619.6	619.8	619.8	619.8	619.7
122.5°	561.2	563.4	565.4	567.5	569.5	571.5	573.4	571.8	570.1	568.4	566.5
125°	508.8	511.2	513.2	515.4	517.4	519.6	521.4	520.0	518.2	516.5	514.5
127.5°	464.5	466.4	468.3	470.3	472.1	474.0	475.6	474.4	472.8	471.4	469.8
130°	427.7	429.4	430.8	432.2	433.5	434.8	435.9	435.1	434.3	433.5	432.4
132.5°	401.1	402.3	403.5	404.6	405.5	406.4	407.2	406.9	406.4	405.9	405.2
135°	380.6	381.4	382.0	382.9	383.5	384.1	384.3	384.5	384.3	384.3	383.9
137.5°	363.6	364.0	364.4	364.7	364.9	365.0	365.1	365.5	365.8	366.3	366.3
140°	352.3	352.8	353.1	353.4	353.7	353.9	353.9	354.4	354.7	354.9	355.0
142.5°	340.8	341.2	341.6	342.0	342.1	342.4	342.4	342.8	343.1	343.4	343.5
145°	332.4	332.7	332.8	333.1	333.1	333.2	332.9	333.7	334.1	334.5	334.8
147.5°	324.2	324.5	324.6	324.6	324.7	324.7	324.6	325.2	325.6	326.0	326.4
150°	317.7	318.2	318.5	318.9	319.1	319.4	319.4	319.8	320.0	320.3	320.3
152.5°	311.6	311.9	312.3	312.5	312.9	313.0	313.1	313.4	313.9	314.0	314.2
155°	305.8	306.4	306.7	307.2	307.4	307.8	308.1	308.3	308.6	308.7	308.9
157.5°	301.0	301.5	301.8	302.3	302.5	303.0	303.3	303.6	303.9	304.1	304.2
160°	297.6	298.1	298.4	298.8	299.2	299.5	299.8	300.1	300.4	300.6	300.8
162.5°	295.6	296.0	296.2	296.7	297.0	297.4	297.6	298.0	298.3	298.5	298.7
165°	292.7	293.2	293.7	294.2	294.7	295.1	295.5	295.7	295.8	295.9	296.0
167.5°	293.1	293.5	294.0	294.4	294.8	295.2	295.7	295.8	295.9	295.9	296.0
170°	292.9	293.3	293.7	294.1	294.5	294.9	295.2	295.2	295.3	295.4	295.5
172.5°	292.6	293.1	293.5	294.1	294.4	295.0	295.3	295.4	295.2	295.1	294.9
175°	292.7	293.2	293.5	294.0	294.3	294.7	295.1	294.9	294.9	294.7	294.5
177.5°	295.2	295.8	296.3	296.7	297.1	297.5	298.0	297.6	297.3	296.9	296.6
180°	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4



TEST NUMBER: P1444661
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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°	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5
2.5°	18997.9	19007.5	19022.0	19035.2	19055.0	19070.6	19094.2	19112.0	19138.5	19155.8	19184.5
5°	18999.6	19036.8	19085.7	19133.4	19190.7	19242.7	19307.4	19362.6	19427.5	19480.7	19547.1
7.5°	19026.4	19098.2	19184.1	19270.6	19368.6	19460.1	19563.3	19656.7	19758.8	19845.1	19939.6
10°	19046.3	19156.8	19283.5	19410.9	19545.0	19669.5	19795.3	19904.0	20005.6	20089.2	20163.0
12.5°	19019.4	19171.7	19334.2	19491.1	19640.2	19769.1	19877.3	19960.9	20018.6	20057.8	20066.9
15°	18928.1	19111.4	19288.0	19444.2	19568.0	19663.4	19712.8	19735.9	19711.1	19669.8	19579.3
17.5°	18757.4	18950.7	19108.7	19231.9	19297.3	19323.2	19282.3	19211.1	19072.0	18917.5	18694.6
20°	18444.6	18624.7	18739.2	18806.5	18789.0	18724.3	18569.8	18382.1	18104.3	17808.3	17417.8
22.5°	17895.9	18053.3	18114.4	18119.4	18012.6	17850.7	17572.0	17250.0	16811.8	16356.3	15796.2
25°	17072.2	17210.0	17219.8	17165.6	16970.2	16707.8	16298.6	15843.0	15247.7	14640.7	13938.8
27.5°	15955.0	16087.4	16054.9	15953.9	15682.7	15331.5	14807.7	14219.1	13485.2	12768.3	11991.8
30°	14550.9	14692.3	14654.3	14524.6	14202.1	13787.0	13170.6	12486.7	11671.9	10906.2	10119.3
32.5°	12870.4	13049.2	13022.9	12899.7	12563.2	12118.9	11450.1	10724.8	9891.1	9136.6	8371.2
35°	10960.3	11177.4	11188.6	11108.1	10795.6	10356.6	9696.1	8994.1	8195.5	7483.6	6776.5
37.5°	8902.4	9154.0	9205.8	9184.1	8925.1	8537.5	7935.8	7306.0	6598.5	5974.6	5369.9
40°	6833.1	7087.9	7176.3	7202.5	7011.4	6711.2	6217.4	5709.1	5132.3	4626.7	4146.6
42.5°	4946.0	5171.9	5257.3	5311.0	5191.8	4991.5	4631.3	4262.2	3839.7	3475.0	3125.4
45°	3435.1	3594.9	3659.8	3713.9	3648.9	3536.0	3308.5	3077.6	2798.8	2560.5	2334.9
47.5°	2401.7	2489.8	2532.7	2558.9	2533.8	2474.9	2351.0	2217.3	2059.9	1920.6	1786.7
50°	1780.1	1827.1	1849.5	1864.6	1846.4	1813.6	1746.5	1673.7	1587.3	1508.4	1431.3
52.5°	1410.8	1437.6	1451.0	1459.2	1448.6	1428.6	1389.6	1346.4	1294.6	1245.8	1220.2
55°	1188.4	1187.1	1217.9	1203.0	1217.9	1184.7	1177.6	1130.2	1087.2	1056.8	1024.0
57.5°	980.1	994.1	999.9	1006.6	1002.3	996.2	979.6	962.7	940.0	921.0	900.8
60°	848.4	859.9	866.4	873.0	872.5	870.3	860.7	850.5	836.3	824.9	812.7
62.5°	757.6	767.6	774.0	780.3	780.9	779.9	772.7	765.7	756.0	748.8	740.4
65°	686.3	693.3	697.7	702.7	702.4	701.1	694.5	688.6	680.7	675.7	669.5
67.5°	611.6	616.8	620.2	625.0	625.9	626.2	622.5	619.9	616.0	614.5	612.4
70°	558.5	564.9	570.3	576.3	579.6	581.1	579.6	578.2	575.9	574.9	573.3
72.5°	518.3	523.7	527.9	533.3	536.4	538.6	537.4	536.6	534.6	534.3	533.3
75°	468.3	472.0	474.4	478.5	480.1	482.2	481.3	481.7	481.1	482.7	482.6
77.5°	408.3	411.1	412.2	415.1	415.4	417.9	418.5	421.3	423.4	427.9	430.3
80°	340.7	342.5	342.5	345.5	346.8	351.0	353.0	357.7	359.9	363.9	364.3
82.5°	264.7	262.6	264.7	263.4	267.3	272.0	272.6	276.6	277.5	280.1	278.0
85°	180.9	180.8	179.2	179.5	178.2	178.9	178.1	178.9	178.2	178.2	176.4
87.5°	86.7	87.5	85.5	86.2	84.4	85.2	83.6	84.8	83.0	83.2	80.4
90°	26.7	27.5	28.2	29.1	30.1	32.3	34.7	36.9	39.5	41.8	44.2
92.5°	30.7	32.0	33.2	34.4	35.6	39.3	42.9	46.5	50.2	53.7	57.3
95°	35.2	36.3	37.3	38.6	39.7	44.9	50.1	55.3	60.6	65.8	71.0
97.5°	39.8	40.5	41.2	41.8	42.6	48.7	54.9	61.0	67.2	73.3	79.4
100°	45.9	46.7	47.5	48.3	49.1	63.3	77.4	91.7	105.9	120.0	134.2
102.5°	75.8	80.7	85.7	90.7	95.7	130.1	164.5	198.9	233.2	267.5	301.8
105°	175.3	192.0	208.9	225.5	242.3	294.3	346.4	398.5	450.5	502.4	554.5
107.5°	357.0	386.4	415.9	445.4	474.8	523.8	572.6	621.6	670.6	719.5	768.3
110°	548.1	573.4	598.8	624.3	649.7	688.6	727.5	766.3	805.1	844.0	882.8



TEST NUMBER: P1444661
 CATALOG NUMBER: EHBR1-24-UNV-TA-L930-UPL24

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	659.4	674.9	690.5	705.8	721.3	749.8	778.5	806.9	835.5	863.9	892.5
115°	688.2	696.3	704.6	712.7	721.0	738.2	755.4	772.8	790.0	807.1	824.3
117.5°	668.3	671.2	674.2	677.0	680.0	688.9	697.8	706.7	715.6	724.5	733.3
120°	619.6	619.4	619.3	619.0	618.8	621.6	624.5	627.3	630.0	632.8	635.5
122.5°	564.7	562.7	560.8	558.8	556.8	555.9	555.0	554.1	553.3	552.4	551.5
125°	512.8	510.6	508.8	506.6	504.6	502.2	499.8	497.3	495.0	492.5	490.1
127.5°	468.3	466.4	464.8	462.9	461.1	458.2	455.6	452.8	450.2	447.4	444.7
130°	431.2	430.0	428.8	427.3	426.1	423.6	421.3	418.9	416.5	414.2	411.8
132.5°	404.5	403.6	402.8	401.7	400.8	398.6	396.6	394.4	392.4	390.1	388.2
135°	383.6	383.1	382.7	382.1	381.6	379.9	378.4	376.8	375.2	373.7	372.1
137.5°	366.4	366.3	366.2	366.0	365.8	364.5	363.2	361.9	360.6	359.3	358.1
140°	355.2	355.1	355.1	354.9	354.8	353.3	352.0	350.6	349.2	347.7	346.5
142.5°	343.5	343.5	343.5	343.4	343.3	342.2	341.2	340.1	339.0	337.9	336.9
145°	335.0	335.1	335.3	335.2	335.5	334.1	332.9	331.5	330.4	329.0	327.9
147.5°	326.7	326.9	327.0	327.2	327.4	326.2	325.4	324.2	323.2	322.1	321.2
150°	320.5	320.5	320.5	320.5	320.5	319.3	318.3	317.2	316.2	314.9	313.9
152.5°	314.3	314.5	314.6	314.7	314.8	313.7	312.5	311.3	310.1	309.0	307.8
155°	309.0	309.0	309.1	309.1	309.1	308.1	307.0	305.8	304.8	303.7	302.6
157.5°	304.4	304.5	304.7	304.8	304.9	303.9	303.0	302.0	301.1	300.0	299.2
160°	301.0	301.2	301.4	301.5	301.6	300.8	300.1	299.2	298.5	297.6	296.7
162.5°	299.0	299.2	299.3	299.4	299.5	298.7	298.1	297.3	296.5	295.5	294.7
165°	296.1	296.1	296.1	296.1	296.0	295.5	295.1	294.5	294.0	293.4	292.8
167.5°	296.1	296.1	296.1	296.1	296.0	295.7	295.5	295.1	294.6	294.3	293.8
170°	295.5	295.5	295.5	295.5	295.4	295.1	294.7	294.3	294.1	293.5	293.1
172.5°	294.9	294.7	294.5	294.4	294.3	294.0	293.7	293.5	293.3	293.0	292.7
175°	294.3	294.2	294.0	293.8	293.6	293.5	293.5	293.4	293.3	293.1	293.0
177.5°	296.2	295.9	295.5	295.2	294.9	294.8	294.7	294.6	294.5	294.4	294.3
180°	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4



TEST NUMBER: P1444661
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CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5
2.5°	19202.4	19083.8	19068.2	19076.5	19096.3	19103.6	19125.0	19130.9	19152.4	19157.7	19178.4
5°	19598.6	19441.9	19449.7	19487.4	19544.5	19578.5	19634.6	19663.9	19717.4	19741.8	19790.2
7.5°	20016.4	19893.3	19931.8	19995.3	20073.3	20127.4	20194.7	20238.6	20296.7	20332.7	20379.2
10°	20221.6	20187.9	20230.1	20280.1	20324.7	20359.5	20388.0	20410.9	20425.9	20439.9	20446.0
12.5°	20065.5	20117.6	20124.9	20120.0	20090.6	20068.0	20017.4	19983.1	19922.0	19884.9	19812.3
15°	19486.7	19601.5	19538.0	19441.7	19300.9	19183.6	19017.8	18894.4	18721.8	18604.7	18431.4
17.5°	18471.1	18616.0	18450.4	18227.7	17944.5	17702.2	17400.6	17161.0	16861.1	16642.8	16362.9
20°	17041.3	17176.7	16881.4	16512.3	16074.2	15705.4	15270.7	14923.7	14519.7	14219.1	13856.4
22.5°	15261.1	15357.5	14941.5	14443.9	13885.7	13425.1	12905.2	12489.3	12028.2	11684.6	11297.8
25°	13291.6	13317.6	12818.5	12245.3	11623.2	11105.6	10550.5	10113.2	9642.9	9294.7	8915.1
27.5°	11303.8	11265.6	10726.1	10118.4	9464.0	8925.9	8384.6	7974.8	7562.9	7249.2	6922.2
30°	9427.5	9335.1	8775.0	8150.3	7515.1	7032.8	6583.4	6254.3	5926.7	5677.8	5415.3
32.5°	7707.0	7576.6	7031.4	6446.1	5910.8	5538.7	5205.4	4956.4	4691.8	4481.6	4261.3
35°	6183.1	6044.2	5561.2	5065.0	4659.9	4385.5	4123.6	3919.3	3694.7	3517.2	3326.0
37.5°	4875.2	4761.4	4356.7	3966.3	3659.8	3447.2	3232.6	3065.7	2880.0	2802.0	2597.6
40°	3763.6	3684.1	3367.7	3079.9	2849.8	2749.9	2532.1	2376.0	2237.3	2122.9	2012.1
42.5°	2935.7	2907.5	2599.6	2375.2	2213.1	2087.3	1965.9	1867.4	1771.4	1692.5	1618.0
45°	2154.3	2132.1	1995.3	1865.8	1755.4	1667.4	1585.4	1517.6	1454.9	1402.9	1355.6
47.5°	1677.6	1670.4	1591.8	1511.4	1441.9	1385.4	1332.1	1287.1	1245.5	1210.8	1199.5
50°	1364.4	1363.5	1317.4	1267.7	1218.2	1185.6	1151.5	1125.0	1098.2	1077.5	1055.5
52.5°	1159.4	1154.3	1123.1	1092.5	1063.1	1041.7	1019.9	1003.0	985.2	972.4	958.7
55°	998.1	1003.3	985.3	967.1	948.6	935.3	920.1	908.9	896.7	888.6	880.4
57.5°	886.1	893.0	883.6	873.2	862.0	853.3	842.8	835.0	826.9	821.7	816.9
60°	804.6	812.2	808.4	803.2	796.2	791.1	784.4	780.0	774.8	771.9	769.2
62.5°	735.5	745.0	743.7	741.2	736.7	733.9	730.2	728.2	724.8	723.5	722.3
65°	666.5	677.2	677.0	675.8	673.3	672.5	670.2	669.8	668.0	668.7	668.6
67.5°	612.2	621.6	623.6	625.0	625.0	625.6	625.3	626.3	626.3	627.6	628.4
70°	573.1	579.6	581.1	582.6	583.1	584.3	584.3	585.1	584.9	586.0	586.2
72.5°	533.5	542.0	543.6	544.8	544.8	546.1	545.4	545.2	543.5	543.1	542.0
75°	484.2	495.2	497.6	499.1	499.4	500.4	498.9	498.1	495.2	494.0	492.1
77.5°	432.8	444.2	445.9	446.5	445.6	445.7	442.6	440.5	436.9	435.4	433.5
80°	365.9	382.7	384.0	382.9	380.2	379.9	376.9	374.8	370.5	369.1	367.4
82.5°	278.4	298.0	300.8	302.0	299.9	300.4	297.5	296.3	292.4	291.7	289.1
85°	175.8	195.4	198.6	198.2	196.1	195.5	193.8	194.4	194.1	195.1	195.7
87.5°	80.7	99.7	104.4	102.8	102.7	101.3	98.3	99.4	101.2	102.4	102.5
90°	46.5	54.5	56.8	55.3	51.9	50.1	46.9	45.4	42.5	41.0	38.1
92.5°	61.0	64.5	68.2	65.0	61.8	58.5	55.3	52.0	48.8	45.5	42.4
95°	76.3	81.3	86.5	82.3	77.9	73.6	69.3	65.0	60.7	56.4	52.1
97.5°	85.5	91.6	97.7	93.4	89.1	84.7	80.5	76.2	71.9	67.5	63.3
100°	148.5	162.3	176.4	164.2	152.0	139.8	127.6	115.4	103.2	91.0	78.8
102.5°	336.1	370.4	404.6	373.7	342.8	312.1	281.3	250.4	219.7	188.7	157.9
105°	606.4	658.2	710.1	662.9	615.9	568.8	521.8	474.6	427.7	380.5	333.6
107.5°	817.2	865.6	914.3	871.7	829.2	786.7	744.1	701.5	658.9	616.4	573.9
110°	921.6	959.8	998.4	969.8	941.2	912.6	884.1	855.5	827.0	798.5	770.0



TEST NUMBER: P1444661
 CATALOG NUMBER: EHBR1-24-UNV-TA-L930-UPL24

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	920.8	948.5	976.7	959.8	943.2	926.5	909.9	893.0	876.4	859.8	843.2
115°	841.4	857.6	874.5	867.7	861.2	854.5	847.9	841.4	834.8	828.2	821.8
117.5°	742.1	749.7	758.2	756.9	755.8	754.4	753.3	752.0	751.0	749.8	748.7
120°	638.3	639.7	642.1	642.9	643.8	644.6	645.5	646.3	647.2	648.1	649.1
122.5°	550.5	548.1	546.8	547.5	548.3	549.0	549.8	550.7	551.6	552.4	553.3
125°	487.6	483.7	480.7	479.5	478.5	477.3	476.1	474.9	473.9	472.8	471.8
127.5°	441.9	437.5	434.3	431.6	428.9	426.2	423.6	420.8	418.3	415.5	413.1
130°	409.5	405.3	402.4	399.1	395.8	392.4	389.1	385.7	382.3	379.0	375.7
132.5°	386.0	381.9	379.4	376.1	373.0	369.6	366.6	363.2	360.1	356.7	353.7
135°	370.4	366.8	364.7	361.7	359.0	356.0	353.2	350.1	347.3	344.2	341.5
137.5°	356.7	353.2	351.5	349.1	346.9	344.5	342.3	339.8	337.6	335.0	332.8
140°	345.0	341.3	339.4	338.1	336.9	335.4	334.2	332.8	331.5	330.2	328.7
142.5°	335.9	332.3	330.8	329.9	329.2	328.3	327.6	326.7	325.9	324.8	324.0
145°	326.6	322.7	320.8	320.6	320.7	320.6	320.5	320.5	320.4	320.2	320.1
147.5°	320.0	316.0	314.3	314.5	314.7	314.8	315.0	315.1	315.3	315.4	315.6
150°	312.7	308.2	306.2	306.6	306.9	307.3	307.7	308.0	308.4	308.8	309.1
152.5°	306.6	301.1	298.9	299.2	299.8	300.1	300.6	301.0	301.6	302.1	302.5
155°	301.3	295.5	293.1	293.2	293.4	293.5	293.7	294.0	294.3	294.5	294.9
157.5°	298.0	292.0	289.7	289.6	289.6	289.7	289.8	290.0	290.1	290.2	290.4
160°	295.9	289.9	287.7	287.5	287.6	287.6	287.6	287.6	287.7	287.8	288.1
162.5°	293.8	287.9	285.8	285.6	285.6	285.5	285.6	285.5	285.7	285.7	286.0
165°	292.2	287.1	285.3	285.3	285.3	285.4	285.5	285.7	285.9	286.1	286.3
167.5°	293.3	288.7	287.4	287.1	286.9	286.7	286.7	286.4	286.4	286.3	286.3
170°	292.7	289.1	287.7	287.7	287.9	287.8	287.8	287.9	288.0	287.9	288.1
172.5°	292.4	289.8	288.8	289.1	289.4	289.5	289.8	290.0	290.2	290.5	290.8
175°	292.8	291.3	290.9	290.9	291.0	291.1	291.2	291.4	291.5	291.7	291.9
177.5°	294.3	293.7	293.5	293.5	293.5	293.5	293.5	293.5	293.5	293.5	293.5
180°	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4



TEST NUMBER: P1444661
 CATALOG NUMBER: EHBR1-24-UNV-TA-L930-UPL24

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5
2.5°	19182.2	19204.6	19202.9	19223.7	19222.8	19242.4	19238.4	19255.5	19251.5	19266.1	19257.6
5°	19811.5	19854.0	19868.0	19906.4	19914.4	19948.7	19949.4	19976.8	19973.5	19994.8	19983.4
7.5°	20406.6	20446.4	20465.2	20495.0	20509.9	20534.6	20544.3	20564.6	20569.5	20581.5	20581.1
10°	20456.9	20456.7	20466.1	20461.9	20470.3	20465.5	20475.6	20472.0	20486.9	20483.1	20494.4
12.5°	19781.0	19713.9	19689.5	19629.2	19616.0	19564.2	19568.0	19534.8	19550.8	19530.4	19565.1
15°	18328.3	18172.7	18095.8	17960.6	17918.0	17811.1	17802.5	17731.4	17750.6	17713.4	17767.8
17.5°	16181.8	15936.8	15802.3	15604.7	15526.3	15375.0	15344.7	15253.3	15267.4	15221.4	15287.0
20°	13622.4	13326.4	13156.8	12928.3	12826.3	12646.1	12598.2	12495.9	12508.7	12462.9	12537.2
22.5°	11033.8	10724.0	10532.6	10293.0	10162.9	9993.3	9942.4	9839.7	9845.5	9802.5	9873.9
25°	8655.1	8358.0	8172.2	7954.6	7841.7	7686.3	7632.8	7540.5	7545.7	7510.3	7574.2
27.5°	6695.3	6451.6	6296.1	6113.7	6012.5	5884.7	5832.6	5755.0	5754.7	5728.7	5782.2
30°	5232.1	5028.6	4889.0	4730.3	4635.2	4519.8	4469.4	4400.0	4397.0	4378.5	4421.0
32.5°	4096.6	3915.7	3788.3	3648.6	3563.2	3464.2	3416.5	3360.8	3355.7	3338.9	3373.9
35°	3184.6	3032.2	2922.7	2805.0	2813.7	2667.7	2692.0	2578.5	2547.8	2541.1	2567.0
37.5°	2461.3	2343.3	2254.3	2166.2	2106.6	2044.8	2011.6	1981.7	1978.3	1975.5	1993.7
40°	1926.6	1843.9	1779.2	1718.8	1677.7	1640.1	1619.3	1602.9	1599.0	1596.8	1607.8
42.5°	1559.2	1503.5	1461.8	1424.9	1400.0	1379.5	1368.1	1359.0	1356.0	1356.0	1362.5
45°	1317.4	1283.5	1256.7	1233.8	1217.8	1224.8	1204.2	1215.0	1200.7	1215.5	1205.7
47.5°	1160.1	1131.3	1114.6	1098.4	1088.8	1081.0	1081.3	1081.5	1084.5	1085.0	1088.2
50°	1038.8	1022.1	1010.6	1000.2	995.2	991.1	992.5	993.5	996.6	996.7	999.1
52.5°	949.0	938.0	931.1	924.6	922.4	920.1	921.1	920.6	922.0	921.3	923.1
55°	875.9	870.7	868.6	866.2	866.5	865.9	866.3	864.0	862.5	860.8	862.4
57.5°	815.9	815.2	816.7	817.7	820.5	821.5	822.1	819.4	816.8	814.5	815.8
60°	769.8	770.8	774.5	777.5	781.4	783.3	784.4	782.9	781.0	779.1	780.3
62.5°	724.1	725.9	730.3	733.6	738.4	740.9	743.7	743.7	744.5	743.7	744.5
65°	671.3	673.4	677.4	680.1	684.6	686.8	689.6	690.1	691.6	691.3	692.6
67.5°	631.0	633.1	636.4	638.9	642.9	645.2	647.6	647.8	648.3	648.2	649.5
70°	588.2	589.1	592.1	594.3	598.2	600.5	603.4	604.3	606.0	606.3	607.7
72.5°	542.4	542.0	543.8	544.8	547.8	549.6	553.2	555.2	558.1	558.9	560.0
75°	492.6	492.3	494.3	495.2	497.7	499.6	503.6	506.2	510.8	512.7	512.2
77.5°	435.1	436.0	440.0	442.2	445.6	447.9	453.1	457.2	465.6	469.3	465.5
80°	370.5	371.6	375.7	377.8	382.2	385.0	390.9	395.8	403.2	404.9	402.8
82.5°	291.3	291.6	295.3	296.8	302.6	306.8	314.2	318.0	322.7	322.1	321.4
85°	198.6	201.3	205.9	210.5	217.5	224.3	231.3	237.0	233.0	239.4	232.2
87.5°	106.1	105.9	112.1	111.1	121.0	126.7	132.8	135.6	138.9	138.2	138.3
90°	36.9	35.0	34.7	32.6	32.7	30.6	31.2	29.1	30.1	27.7	31.4
92.5°	39.1	37.5	35.6	34.0	32.2	30.6	28.7	27.0	25.2	23.5	25.2
95°	47.9	46.3	44.6	43.0	41.3	39.7	38.1	36.5	34.9	33.3	35.4
97.5°	59.0	58.0	57.1	56.1	55.3	54.3	53.4	52.4	51.5	50.5	51.9
100°	66.6	66.6	66.6	66.6	66.5	66.5	66.5	66.5	66.5	66.5	67.5
102.5°	127.1	124.0	120.9	117.8	114.8	111.7	108.6	105.5	102.5	99.4	103.9
105°	286.5	274.5	262.4	250.2	238.2	226.2	214.1	202.0	190.0	178.0	190.4
107.5°	531.5	509.5	487.5	465.4	443.4	421.5	399.6	377.6	355.7	333.7	353.4
110°	741.5	718.3	694.8	671.6	648.2	624.8	601.5	578.3	554.9	531.7	550.4



TEST NUMBER: P1444661
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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°	826.5	811.4	796.3	781.2	766.1	751.1	736.2	721.1	706.1	691.2	700.3
115°	815.2	808.0	800.9	793.6	786.5	779.3	772.2	765.0	758.0	750.9	751.4
117.5°	747.7	745.2	742.8	740.3	738.0	735.5	733.2	730.9	728.7	726.4	721.3
120°	650.2	650.9	651.5	652.3	653.1	654.0	654.6	655.6	656.5	657.5	650.6
122.5°	554.2	555.9	557.6	559.4	561.2	563.0	564.9	566.9	568.9	570.9	564.0
125°	470.7	472.4	474.0	475.8	477.4	479.3	481.1	483.2	485.0	487.2	481.4
127.5°	410.5	411.1	411.4	412.2	412.7	413.5	414.3	415.2	416.1	417.1	413.5
130°	372.4	371.7	371.0	370.4	369.6	369.2	368.8	368.4	368.0	367.9	366.3
132.5°	350.4	348.9	347.3	345.8	344.3	343.1	341.8	340.7	339.5	338.5	338.1
135°	338.4	336.3	334.2	332.2	330.2	328.4	326.5	324.9	323.2	321.7	322.0
137.5°	330.4	328.4	326.2	324.2	322.2	320.5	318.6	316.9	315.3	313.8	314.3
140°	327.4	325.3	323.2	321.3	319.4	317.5	315.7	314.1	312.3	311.0	311.4
142.5°	323.1	321.4	319.4	317.7	315.8	314.2	312.6	311.2	309.5	308.2	308.7
145°	320.0	318.6	317.2	315.8	314.6	313.4	312.1	311.1	310.0	309.1	309.4
147.5°	315.6	314.7	313.5	312.6	311.5	310.6	309.7	309.0	308.2	307.4	307.5
150°	309.5	308.9	308.2	307.5	306.9	306.4	305.7	305.3	304.8	304.3	304.3
152.5°	303.0	302.5	301.7	301.2	300.7	300.1	299.6	299.2	298.8	298.4	298.4
155°	295.1	294.9	294.6	294.4	294.2	294.1	293.8	293.8	293.6	293.5	293.6
157.5°	290.6	290.6	290.5	290.5	290.5	290.5	290.4	290.6	290.5	290.7	290.8
160°	288.4	288.2	288.0	287.9	287.8	287.7	287.7	287.6	287.6	287.5	287.8
162.5°	286.1	286.2	286.3	286.5	286.7	286.9	287.0	287.3	287.5	287.7	287.9
165°	286.6	286.6	286.5	286.5	286.5	286.6	286.5	286.7	286.7	286.9	287.1
167.5°	286.2	286.4	286.5	286.7	286.9	287.1	287.4	287.7	288.0	288.4	288.7
170°	288.1	288.1	288.1	288.1	288.1	288.2	288.3	288.4	288.5	288.6	288.9
172.5°	291.0	291.0	290.9	291.0	290.9	291.0	291.0	291.0	291.0	291.1	291.3
175°	291.9	292.2	292.4	292.5	292.7	292.7	292.9	293.0	293.2	293.3	293.3
177.5°	293.5	293.6	293.6	293.6	293.6	293.7	293.7	293.7	293.7	293.6	293.7
180°	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4



TEST NUMBER: P1444661
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CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5
2.5°	19271.8	19262.1	19272.0	19262.0	19272.0	19260.0	19268.1	19255.1	19258.4	19245.0	19248.4
5°	20000.5	19985.0	19993.2	19973.3	19975.4	19948.7	19948.2	19917.2	19909.0	19873.7	19858.1
7.5°	20589.7	20584.7	20587.5	20574.6	20573.2	20554.9	20546.3	20520.6	20504.5	20472.0	20449.7
10°	20496.4	20511.4	20515.3	20530.6	20533.8	20549.0	20552.2	20567.3	20570.4	20581.7	20581.8
12.5°	19563.5	19614.5	19626.7	19689.7	19716.2	19788.3	19827.0	19906.4	19953.6	20032.8	20081.5
15°	17766.3	17854.5	17889.7	18012.8	18080.9	18224.4	18314.7	18479.6	18595.9	18771.1	18896.1
17.5°	15292.8	15416.1	15471.8	15638.6	15747.4	15959.4	16112.2	16363.6	16556.2	16835.7	17057.1
20°	12549.8	12686.9	12762.5	12952.8	13081.2	13328.9	13519.7	13828.6	14086.3	14440.5	14743.3
22.5°	9896.3	10026.7	10110.5	10304.2	10448.8	10707.1	10920.3	11246.4	11535.2	11934.2	12297.3
25°	7598.5	7718.0	7793.8	7968.9	8104.7	8342.1	8545.7	8859.3	9141.8	9542.1	9914.5
27.5°	5808.9	5909.1	5982.1	6131.4	6251.3	6452.6	6627.4	6886.6	7130.1	7476.4	7807.9
30°	4447.2	4536.0	4607.1	4737.1	4848.2	5022.6	5176.4	5394.2	5595.6	5871.2	6135.0
32.5°	3398.4	3474.8	3538.2	3652.0	3752.8	3909.9	4048.4	4239.3	4412.2	4646.0	4862.9
35°	2591.2	2741.5	2730.8	2887.8	2913.1	3025.9	3149.5	3316.4	3469.6	3668.2	3852.9
37.5°	2011.2	2053.5	2098.7	2168.1	2241.0	2343.7	2448.1	2652.0	2726.8	2877.0	3029.9
40°	1621.8	1650.4	1680.2	1727.2	1778.3	1850.5	1926.6	2023.9	2123.6	2245.3	2369.6
42.5°	1371.1	1387.2	1406.3	1433.8	1465.3	1511.2	1562.1	1628.0	1697.4	1783.1	1870.5
45°	1225.0	1217.3	1223.0	1237.8	1256.8	1284.6	1316.7	1357.6	1402.7	1458.2	1517.3
47.5°	1088.8	1091.9	1093.6	1101.6	1111.8	1130.5	1149.9	1177.6	1231.2	1247.5	1279.8
50°	998.9	1000.3	999.9	1004.0	1009.0	1021.2	1033.8	1052.6	1071.3	1096.2	1119.9
52.5°	923.5	925.5	925.3	927.9	930.7	938.4	946.4	959.7	971.9	987.7	1001.3
55°	863.9	866.8	868.0	870.2	871.5	875.5	878.8	885.1	890.2	899.2	907.5
57.5°	818.2	822.1	823.9	824.7	823.1	822.9	821.8	823.1	824.2	829.0	833.7
60°	782.1	785.3	785.7	785.3	782.3	780.2	776.8	775.7	775.2	777.5	780.0
62.5°	744.4	745.4	744.7	743.7	740.4	738.3	734.8	733.6	732.3	733.9	735.3
65°	692.1	693.1	692.1	691.6	688.6	686.9	683.9	683.0	681.3	681.7	681.5
67.5°	649.7	650.7	650.0	649.2	647.1	646.1	643.8	642.5	640.5	639.7	638.2
70°	607.5	608.3	607.0	606.3	603.9	602.9	600.9	600.5	598.8	598.6	596.9
72.5°	558.9	558.9	557.2	556.8	555.0	554.9	554.1	554.9	554.8	555.6	555.3
75°	509.2	508.5	506.3	506.0	504.7	505.3	504.4	505.5	505.7	507.5	507.8
77.5°	459.4	456.7	452.7	450.8	448.2	447.8	446.3	447.3	446.9	449.0	449.9
80°	396.5	393.3	388.1	385.7	382.5	381.9	380.6	381.9	381.2	383.7	385.5
82.5°	316.5	313.8	308.4	306.5	302.7	303.1	301.6	303.1	302.9	306.6	308.7
85°	234.1	232.3	226.8	221.9	216.5	213.3	210.2	209.7	208.7	210.2	211.5
87.5°	135.2	133.5	129.2	126.5	116.9	117.3	113.5	113.4	112.5	111.6	113.5
90°	31.4	34.5	34.7	37.6	38.1	41.3	42.0	45.2	45.6	48.9	49.8
92.5°	27.0	28.7	30.5	32.2	34.0	35.6	37.4	39.1	42.9	46.4	50.3
95°	37.3	39.4	41.3	43.4	45.4	47.4	49.4	51.4	56.9	62.4	67.9
97.5°	53.2	54.5	55.9	57.2	58.5	59.9	61.2	62.6	68.4	74.3	80.2
100°	68.6	69.7	70.8	71.8	72.9	74.0	75.0	76.1	87.6	98.9	110.3
102.5°	108.5	113.0	117.5	122.1	126.6	131.2	135.7	140.3	166.5	192.6	218.7
105°	202.8	215.3	227.8	240.2	252.6	265.1	277.6	290.1	331.9	373.7	415.6
107.5°	373.1	392.7	412.4	432.2	451.9	471.6	491.3	511.1	551.8	592.6	633.3
110°	569.2	588.0	606.7	625.6	644.3	663.1	681.9	700.8	725.2	749.6	774.2



TEST NUMBER: P1444661
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CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	709.3	718.4	727.6	736.9	746.1	755.2	764.4	773.7	785.9	798.1	810.4
115°	752.0	752.6	753.2	753.8	754.5	755.1	756.0	756.6	760.5	764.3	768.3
117.5°	716.3	711.3	706.3	701.2	696.3	691.5	686.6	681.9	681.1	680.3	679.7
120°	644.1	637.3	630.7	623.9	617.4	610.7	604.3	597.8	594.5	591.2	587.9
122.5°	557.4	550.7	544.1	537.4	531.0	524.4	518.1	511.7	509.4	507.1	504.7
125°	475.9	470.3	464.8	459.3	453.9	448.6	443.4	438.1	438.0	437.8	437.8
127.5°	410.1	406.7	403.4	400.1	397.0	393.8	390.8	387.6	389.2	390.6	392.1
130°	364.7	363.2	362.0	360.5	359.4	358.1	357.0	355.8	358.4	360.9	363.5
132.5°	337.9	337.7	337.6	337.4	337.5	337.5	337.7	337.7	340.6	343.5	346.5
135°	322.4	322.8	323.5	323.9	324.7	325.4	326.2	326.9	329.8	332.5	335.4
137.5°	315.1	315.7	316.5	317.3	318.4	319.3	320.5	321.3	323.6	325.8	328.0
140°	312.0	312.4	313.1	313.9	314.7	315.4	316.4	317.2	319.0	320.7	322.5
142.5°	309.3	309.8	310.4	311.1	311.9	312.5	313.4	314.0	315.5	316.7	318.1
145°	309.8	310.1	310.7	311.1	311.6	312.3	312.8	313.4	314.3	315.1	315.9
147.5°	307.8	308.1	308.4	308.7	309.1	309.5	309.8	310.2	310.9	311.4	311.9
150°	304.4	304.5	304.7	304.8	305.0	305.3	305.5	305.7	306.2	306.6	307.2
152.5°	298.5	298.6	298.7	298.8	299.0	299.2	299.2	299.5	300.0	300.4	300.8
155°	293.8	294.1	294.3	294.6	295.0	295.1	295.4	295.7	296.0	296.3	296.7
157.5°	291.0	291.2	291.6	291.7	292.0	292.3	292.6	292.7	293.1	293.4	293.6
160°	288.2	288.6	288.9	289.4	289.8	290.2	290.5	291.0	291.2	291.5	291.8
162.5°	288.3	288.6	288.8	289.0	289.3	289.6	289.8	290.1	290.6	290.9	291.4
165°	287.7	287.9	288.5	288.7	289.3	289.6	290.0	290.3	290.6	290.9	291.0
167.5°	289.1	289.4	289.8	290.2	290.6	291.0	291.3	291.8	292.0	292.1	292.5
170°	289.2	289.6	289.9	290.2	290.6	290.9	291.2	291.6	291.9	292.3	292.7
172.5°	291.5	291.8	292.1	292.3	292.6	292.9	293.2	293.5	293.7	294.1	294.3
175°	293.3	293.3	293.4	293.5	293.5	293.5	293.5	293.7	293.8	293.9	293.9
177.5°	293.9	294.0	294.2	294.3	294.4	294.5	294.7	294.8	294.8	294.8	294.8
180°	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4



TEST NUMBER: P1444661
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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°	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5
2.5°	19235.0	19235.8	19220.3	19219.4	19204.9	19203.1	19188.9	19184.5	19173.0	19168.9	19157.2
5°	19818.5	19799.6	19755.9	19730.3	19687.1	19658.5	19611.8	19581.4	19536.3	19502.3	19457.0
7.5°	20408.7	20379.4	20330.4	20290.6	20230.7	20183.0	20112.8	20055.4	19979.5	19913.8	19834.2
10°	20581.8	20577.3	20564.8	20546.6	20518.7	20487.5	20439.8	20390.1	20323.5	20251.3	20162.6
12.5°	20155.9	20201.9	20264.6	20301.8	20347.0	20366.8	20385.3	20380.7	20368.5	20332.0	20280.7
15°	19077.0	19206.2	19377.4	19510.0	19662.5	19773.4	19895.9	19972.2	20048.3	20083.4	20105.0
17.5°	17360.6	17605.3	17912.3	18166.5	18459.9	18695.6	18953.9	19148.4	19348.3	19491.6	19621.2
20°	15156.1	15510.6	15944.6	16328.0	16773.8	17161.2	17585.7	17934.3	18293.7	18574.6	18840.6
22.5°	12764.9	13185.9	13710.5	14196.6	14771.3	15287.8	15870.5	16377.7	16907.2	17349.7	17777.4
25°	10413.4	10875.2	11448.9	11991.2	12642.1	13242.8	13933.9	14566.0	15250.4	15844.7	16431.7
27.5°	8266.3	8719.6	9305.4	9882.6	10570.8	11211.0	11951.4	12647.9	13427.2	14145.9	14881.0
30°	6501.5	6886.0	7411.2	7970.3	8649.1	9300.6	10049.0	10765.3	11576.0	12360.7	13188.8
32.5°	5151.0	5443.9	5856.7	6329.5	6955.9	7575.9	8288.7	8980.1	9778.5	10571.1	11432.4
35°	4090.8	4319.3	4634.1	5003.0	5533.4	6067.9	6698.3	7327.1	8072.0	8824.1	9661.3
37.5°	3225.8	3411.2	3657.8	3934.9	4360.3	4799.0	5315.9	5837.2	6484.4	7151.1	7909.8
40°	2519.0	2669.1	2861.0	3067.7	3389.0	3727.0	4126.8	4531.0	5051.0	5595.9	6223.8
42.5°	1978.9	2089.6	2225.2	2376.2	2675.9	2855.4	3126.5	3418.9	3801.2	4196.7	4668.8
45°	1589.2	1664.7	1758.8	1860.1	1999.2	2151.4	2337.1	2531.7	2894.9	3073.0	3360.1
47.5°	1327.2	1377.9	1437.7	1501.5	1583.6	1672.0	1782.2	1894.7	2040.4	2191.2	2368.2
50°	1150.6	1202.2	1222.7	1255.8	1303.3	1353.9	1415.9	1478.0	1556.1	1635.2	1726.3
52.5°	1019.6	1036.5	1058.9	1079.8	1109.3	1166.8	1185.4	1217.9	1261.7	1304.5	1352.3
55°	919.7	930.5	945.1	957.8	975.5	992.6	1017.1	1038.7	1067.9	1093.7	1125.5
57.5°	841.8	848.7	858.8	867.2	878.7	888.3	902.6	914.3	931.2	945.8	965.0
60°	785.2	789.8	796.6	802.0	809.4	814.4	821.5	827.0	835.9	843.3	854.1
62.5°	739.0	741.3	745.8	749.0	753.6	756.2	760.0	762.4	767.3	771.0	777.0
65°	683.5	684.1	687.1	688.4	692.1	693.4	696.5	697.7	701.7	704.4	709.7
67.5°	638.1	636.8	636.9	635.8	636.4	635.3	635.6	634.4	636.1	636.9	640.9
70°	596.6	594.8	594.3	592.4	591.8	589.8	589.3	587.5	587.3	586.7	588.2
72.5°	556.2	555.7	555.9	554.6	554.4	553.0	553.1	552.2	553.2	553.6	555.4
75°	509.7	509.9	510.8	509.6	509.9	508.8	509.2	508.2	508.8	508.5	510.4
77.5°	453.1	454.5	457.0	456.4	457.2	456.0	456.5	455.0	455.5	454.5	455.2
80°	389.5	392.4	395.7	395.5	396.9	396.0	397.3	395.8	396.5	394.8	394.3
82.5°	313.9	316.4	319.9	320.0	323.1	323.8	327.1	327.0	329.2	327.8	326.8
85°	214.7	216.3	219.4	221.1	224.2	226.3	229.6	230.9	228.5	232.9	229.4
87.5°	112.1	116.3	113.9	119.3	118.1	123.6	122.4	127.4	126.5	130.8	130.3
90°	53.8	55.1	59.3	60.7	65.5	67.4	68.6	66.5	67.6	65.6	66.7
92.5°	53.9	57.9	61.7	65.4	69.2	73.0	69.4	65.9	62.5	59.1	55.5
95°	73.3	78.9	84.3	89.8	95.3	100.8	94.9	89.1	83.2	77.4	71.4
97.5°	86.1	92.1	97.9	103.8	109.8	115.7	108.7	101.8	94.8	88.0	80.9
100°	121.7	133.1	144.5	155.9	167.4	178.8	165.8	152.9	139.9	126.9	114.0
102.5°	245.0	271.0	297.2	323.3	349.4	375.6	348.2	320.7	293.2	265.6	238.0
105°	457.3	499.2	541.0	582.9	624.7	666.7	622.0	577.5	532.7	488.3	443.5
107.5°	674.2	714.9	755.9	796.5	837.4	878.2	833.0	787.8	742.6	697.3	652.0
110°	798.7	823.2	847.7	872.4	896.8	921.4	888.5	855.4	822.4	789.3	756.3



TEST NUMBER: P1444661
 CATALOG NUMBER: EHBR1-24-UNV-TA-L930-UPL24

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	822.7	835.0	847.2	859.7	871.9	884.3	860.7	837.0	813.4	789.9	766.1
115°	772.2	776.1	780.0	784.0	787.9	791.9	775.9	760.0	744.1	728.2	712.1
117.5°	679.0	678.3	677.5	677.1	676.3	675.7	666.8	657.8	648.9	640.0	631.0
120°	584.6	581.3	578.0	574.8	571.5	568.1	564.4	560.7	556.8	553.0	549.1
122.5°	502.5	500.3	498.1	495.7	493.4	491.0	489.6	488.3	486.7	485.2	483.6
125°	437.7	437.6	437.5	437.5	437.4	437.2	436.4	435.7	434.9	434.3	433.4
127.5°	393.4	395.0	396.3	397.7	399.1	400.5	400.2	400.1	399.9	399.8	399.4
130°	366.0	368.6	371.1	373.5	375.9	378.5	377.8	377.6	377.0	376.7	376.1
132.5°	349.4	352.3	355.2	358.1	360.9	363.8	363.1	362.7	362.0	361.5	361.0
135°	338.1	340.9	343.6	346.5	349.1	351.7	350.9	350.4	349.6	349.1	348.3
137.5°	330.2	332.5	334.5	336.8	338.8	340.9	340.2	339.5	338.8	338.2	337.5
140°	324.2	325.9	327.6	329.4	331.0	332.7	331.8	330.9	330.0	329.1	328.1
142.5°	319.4	320.7	321.9	323.2	324.4	325.7	324.4	323.1	322.0	320.8	319.5
145°	316.8	317.7	318.4	319.2	319.9	320.7	319.2	318.0	316.4	315.1	313.6
147.5°	312.3	313.0	313.2	313.9	314.1	314.8	313.3	312.0	310.7	309.3	307.9
150°	307.5	308.1	308.4	308.8	309.2	309.7	308.2	306.7	305.3	303.9	302.5
152.5°	301.3	301.7	302.0	302.4	302.7	303.1	301.7	300.5	299.1	297.6	296.4
155°	296.7	297.1	297.3	297.6	297.6	297.8	296.6	295.7	294.4	293.4	292.1
157.5°	293.8	294.1	294.3	294.4	294.6	294.8	293.9	293.2	292.2	291.4	290.4
160°	291.9	292.2	292.4	292.6	292.7	292.8	292.1	291.5	290.8	290.0	289.2
162.5°	291.6	292.0	292.3	292.7	292.9	293.3	292.3	291.6	290.7	289.8	288.8
165°	291.3	291.5	291.7	291.9	291.9	292.2	291.7	291.0	290.4	289.9	289.3
167.5°	292.6	292.8	293.0	293.2	293.3	293.5	292.8	292.4	291.7	291.1	290.4
170°	292.9	293.1	293.5	293.7	294.0	294.2	293.7	293.3	292.7	292.3	291.8
172.5°	294.6	294.8	295.0	295.2	295.4	295.7	295.1	294.6	294.2	293.6	293.1
175°	293.9	294.0	294.2	294.2	294.2	294.3	293.9	293.5	293.1	292.7	292.3
177.5°	294.8	294.8	294.8	294.7	294.7	294.7	294.4	294.2	293.9	293.6	293.3
180°	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4



TEST NUMBER: P1444661
 CATALOG NUMBER: EHBR1-24-UNV-TA-L930-UPL24

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5	19033.5
2.5°	19153.1	19144.7	19139.4	19132.5	19128.3	19123.0	19119.2	19115.8	19113.2	19110.7	19108.9
5°	19422.4	19379.5	19346.3	19310.4	19280.8	19251.3	19228.6	19209.8	19196.7	19187.0	19181.2
7.5°	19765.3	19686.9	19617.2	19543.8	19478.1	19413.4	19357.7	19309.7	19273.6	19250.2	19236.0
10°	20071.5	19966.6	19862.8	19753.6	19650.1	19549.6	19457.0	19375.4	19310.8	19267.9	19242.9
12.5°	20208.7	20119.3	20013.4	19894.9	19768.0	19639.6	19514.4	19401.5	19306.8	19243.3	19206.5
15°	20087.8	20051.2	19979.3	19887.2	19766.8	19634.0	19487.1	19349.0	19222.0	19139.5	19091.8
17.5°	19694.5	19745.8	19740.2	19705.0	19618.5	19506.8	19357.1	19201.9	19043.0	18932.9	18872.7
20°	19030.9	19191.9	19273.6	19315.5	19281.5	19209.0	19073.5	18916.0	18730.8	18587.0	18499.2
22.5°	18098.3	18382.5	18559.7	18689.2	18716.8	18692.1	18572.3	18422.6	18216.1	18043.3	17913.7
25°	16897.7	17314.1	17594.0	17813.5	17898.7	17920.7	17818.9	17670.0	17439.8	17238.5	17060.4
27.5°	15483.6	16024.6	16398.4	16693.3	16826.3	16884.1	16790.3	16638.4	16366.0	16125.7	15893.2
30°	13891.6	14533.5	14983.4	15337.0	15499.2	15575.5	15475.9	15306.3	14989.5	14700.2	14407.4
32.5°	12187.6	12890.1	13380.4	13764.4	13925.1	13996.9	13866.6	13676.0	13309.8	12969.1	12627.5
35°	10403.6	11112.6	11607.1	11980.7	12115.5	12158.8	11992.1	11771.9	11366.2	10992.3	10619.9
37.5°	8583.2	9242.8	9692.2	10027.6	10111.0	10118.5	9917.8	9674.6	9248.2	8879.4	8508.7
40°	6778.5	7334.9	7697.7	7966.2	7995.1	7969.3	7751.0	7506.3	7107.4	6777.0	6451.6
42.5°	5078.7	5498.6	5757.5	5941.5	5930.5	5879.6	5679.4	5469.1	5139.9	4888.3	4632.1
45°	3622.4	3899.3	4050.7	4158.3	4123.7	4075.1	3919.3	3771.9	3548.2	3385.7	3213.6
47.5°	2516.5	2847.2	2789.6	3000.1	2818.8	2938.5	2689.1	2551.6	2432.9	2346.5	2249.2
50°	1801.6	1877.4	1914.0	1938.9	1925.7	1907.3	1862.5	1822.4	1768.2	1728.6	1682.6
52.5°	1391.3	1429.2	1450.0	1464.9	1462.0	1455.3	1435.8	1417.9	1392.5	1375.8	1355.6
55°	1178.5	1179.1	1217.2	1200.9	1225.0	1196.7	1207.9	1176.5	1181.6	1154.6	1136.5
57.5°	979.3	994.9	1001.8	1008.6	1006.7	1005.5	997.9	994.2	985.6	983.0	977.0
60°	861.5	869.6	871.3	874.4	871.7	870.7	864.9	862.7	857.0	855.9	851.9
62.5°	780.6	784.7	784.7	784.7	781.4	778.1	771.5	768.1	763.3	762.2	759.9
65°	713.2	717.5	718.2	719.1	716.7	714.1	708.3	704.5	699.5	697.7	695.0
67.5°	643.6	648.1	649.6	652.0	650.6	650.1	646.2	644.7	641.4	640.6	638.1
70°	588.9	590.7	590.6	590.6	587.4	584.7	580.1	577.9	574.5	573.8	571.5
72.5°	556.3	557.7	556.9	555.6	551.6	547.5	542.2	538.2	533.7	530.9	527.7
75°	510.5	512.3	511.2	510.4	506.8	504.1	499.8	497.7	494.5	493.6	491.4
77.5°	454.4	455.2	453.3	453.1	450.4	448.7	445.5	444.9	442.5	442.6	440.5
80°	391.7	391.3	388.4	387.7	385.0	384.3	381.8	381.9	380.1	380.9	379.4
82.5°	322.3	320.6	316.7	315.6	312.4	312.2	310.5	311.9	310.7	312.4	311.5
85°	231.0	231.5	229.8	229.8	228.9	229.2	229.0	230.1	230.3	231.8	231.7
87.5°	128.8	130.6	130.3	132.0	131.9	133.8	134.5	137.2	137.6	140.3	140.3
90°	64.7	66.0	64.0	65.4	64.5	66.8	66.4	68.7	67.9	69.9	68.4
92.5°	52.0	48.6	45.2	41.6	39.8	38.0	36.5	34.5	32.9	31.0	29.2
95°	65.5	59.6	53.7	47.9	45.8	43.8	41.7	39.7	37.7	35.7	33.7
97.5°	74.0	67.0	60.1	53.1	51.3	49.6	47.8	46.1	44.3	42.6	40.8
100°	101.0	88.0	75.1	62.0	60.5	59.1	57.6	56.1	54.6	53.2	51.7
102.5°	210.6	183.0	155.4	127.9	122.6	117.5	112.2	106.8	101.7	96.4	91.2
105°	399.0	354.2	309.6	264.8	250.7	236.5	222.3	208.1	193.9	179.7	165.5
107.5°	606.8	561.4	516.1	470.7	444.6	418.3	392.1	365.7	339.6	313.2	287.0
110°	723.2	690.1	656.9	623.8	602.9	581.7	560.5	539.4	518.4	497.2	476.0



TEST NUMBER: P1444661
 CATALOG NUMBER: EHBR1-24-UNV-TA-L930-UPL24

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	742.5	718.9	695.1	671.3	661.8	652.2	642.7	633.1	623.4	613.7	604.2
115°	696.2	680.2	664.2	647.9	644.7	641.4	638.0	634.5	631.2	627.7	624.2
117.5°	622.1	613.1	604.1	595.0	595.5	596.1	596.7	597.2	597.6	598.0	598.5
120°	545.3	541.4	537.6	533.7	536.6	539.5	542.4	545.1	548.1	550.7	553.5
122.5°	482.2	480.6	479.2	477.5	481.0	484.6	488.0	491.4	494.8	498.0	501.3
125°	432.6	431.8	431.0	430.1	433.7	437.2	440.7	444.1	447.5	450.7	454.0
127.5°	399.3	399.1	398.9	398.5	401.2	403.5	406.0	408.3	410.8	413.0	415.1
130°	375.8	375.3	374.9	374.4	376.6	378.8	381.1	383.2	385.4	387.3	389.2
132.5°	360.5	359.8	359.3	358.7	360.5	361.9	363.6	364.9	366.4	367.6	368.9
135°	347.7	346.8	346.3	345.4	347.0	348.5	350.0	351.2	352.5	353.6	354.8
137.5°	336.8	336.0	335.2	334.5	335.9	337.2	338.5	339.7	340.8	341.9	342.8
140°	327.4	326.4	325.6	324.6	325.9	327.0	328.2	329.2	330.3	331.1	331.9
142.5°	318.3	317.0	315.9	314.6	315.5	316.3	317.2	317.9	318.7	319.3	319.8
145°	312.3	310.7	309.4	308.0	308.7	309.2	309.9	310.6	311.0	311.4	311.9
147.5°	306.6	305.2	303.8	302.4	303.0	303.4	303.8	304.1	304.7	304.9	305.2
150°	301.0	299.5	298.1	296.6	297.0	297.4	297.7	298.1	298.4	298.6	298.9
152.5°	294.9	293.5	292.1	290.7	291.0	291.3	291.6	291.8	292.0	292.2	292.4
155°	291.0	289.8	288.6	287.3	287.7	287.8	288.0	288.3	288.4	288.5	288.6
157.5°	289.5	288.5	287.7	286.6	286.7	286.7	286.8	286.6	286.7	286.6	286.6
160°	288.5	287.6	286.8	285.9	285.8	285.9	285.9	285.8	285.7	285.6	285.5
162.5°	287.9	286.9	286.1	285.0	285.0	285.1	285.1	284.9	284.9	284.7	284.7
165°	288.6	287.9	287.2	286.4	286.3	286.2	286.1	285.9	285.7	285.4	285.3
167.5°	289.8	289.1	288.4	287.5	287.7	287.7	287.7	287.6	287.6	287.4	287.4
170°	291.2	290.6	290.1	289.4	289.4	289.3	289.2	289.0	288.8	288.6	288.5
172.5°	292.5	291.9	291.4	290.7	290.7	290.6	290.5	290.4	290.2	290.1	290.0
175°	291.8	291.4	290.8	290.4	290.3	290.3	290.2	290.2	290.0	290.0	289.8
177.5°	293.0	292.7	292.4	292.1	292.0	292.0	291.9	291.8	291.8	291.8	291.8
180°	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4



TEST NUMBER: P1444661
 CATALOG NUMBER: EHBR1-24-UNV-TA-L930-UPL24

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	19033.5	19033.5
2.5°	19107.2	19106.2
5°	19178.2	19177.0
7.5°	19232.2	19231.9
10°	19238.6	19241.9
12.5°	19200.2	19202.9
15°	19088.1	19093.4
17.5°	18873.8	18880.7
20°	18504.6	18511.7
22.5°	17906.7	17909.7
25°	17037.4	17025.1
27.5°	15852.4	15831.2
30°	14345.8	14325.3
32.5°	12549.6	12536.8
35°	10527.8	10519.7
37.5°	8399.1	8382.6
40°	6332.5	6284.4
42.5°	4520.0	4435.6
45°	3123.7	3023.6
47.5°	2180.7	2118.9
50°	1652.9	1632.9
52.5°	1346.9	1342.1
55°	1136.4	1134.3
57.5°	978.3	977.6
60°	854.1	853.8
62.5°	761.4	761.7
65°	696.2	696.3
67.5°	638.8	638.3
70°	572.4	571.8
72.5°	526.7	525.9
75°	491.4	490.9
77.5°	441.2	440.4
80°	380.3	379.4
82.5°	312.9	311.7
85°	233.4	233.4
87.5°	142.8	142.7
90°	70.2	68.5
92.5°	27.7	26.1
95°	31.7	29.7
97.5°	39.1	37.3
100°	50.3	48.7
102.5°	86.0	80.7
105°	151.3	137.1
107.5°	260.7	234.5
110°	454.8	433.7



TEST NUMBER: P1444661
CATALOG NUMBER: EHBR1-24-UNV-TA-L930-UPL24

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	594.5	584.9
115°	620.6	617.1
117.5°	598.8	599.2
120°	556.0	558.7
122.5°	504.3	507.4
125°	457.1	460.3
127.5°	417.1	419.1
130°	390.8	392.6
132.5°	369.9	371.0
135°	355.7	356.5
137.5°	343.5	344.3
140°	332.6	333.2
142.5°	320.3	320.7
145°	312.2	312.5
147.5°	305.1	305.4
150°	299.0	299.1
152.5°	292.4	292.6
155°	288.6	288.6
157.5°	286.3	286.2
160°	285.3	285.2
162.5°	284.5	284.4
165°	284.9	284.6
167.5°	287.1	287.2
170°	288.2	288.1
172.5°	289.8	289.6
175°	289.7	289.7
177.5°	291.8	291.6
180°	293.4	293.4

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-5

Test Date: 08/01/2025

Luminaire Tested: EHBR-60-L930-N

Data in this report applies to families of products including EHBR-60-L930-N

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-5
 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-L930-N**
 Description: Elevate Round Highbay at, 60000 lumens, 3000K 90CRI LEDs with N lens

Spectral Parameters

CCT (K): 2996
 CIE u': 0.2519
 CIE v': 0.5169
 Duv: -0.0033
 CIE x: 0.4325
 CIE y: 0.3945
 CIE z: 0.1730
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 584
 Purity: 48.21818
 Rf: 91.3
 Rg: 102

CRI (Ra):	94.4		
R1:	96.8	R9:	61.4
R2:	98.1	R10:	94.4
R3:	97.8	R11:	95.7
R4:	95.6	R12:	88.5
R5:	96.9	R13:	97.3
R6:	95.7	R14:	97.8
R7:	90.9	R15:	92.3
R8:	83.0		



Test Conditions

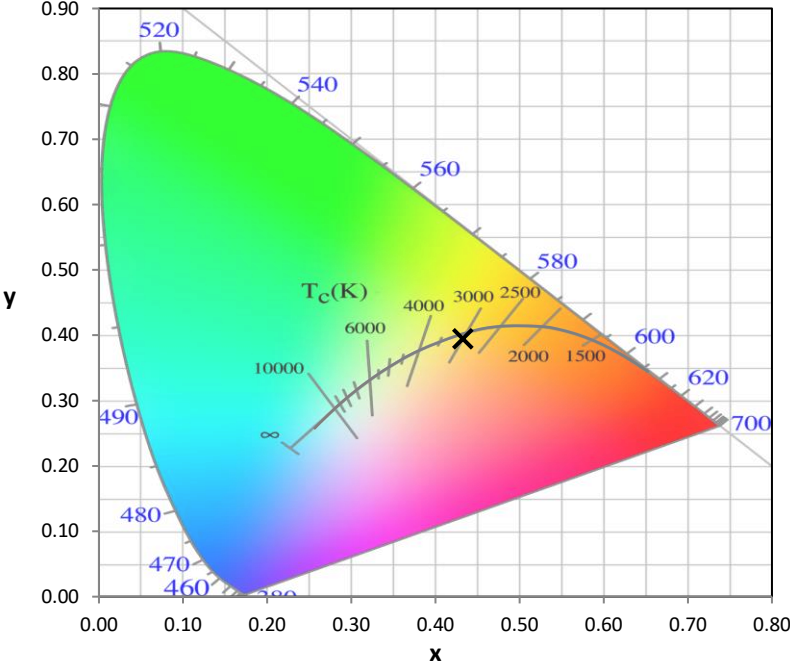
Stabilization Time: 40M
 Operation Time: 1H 40M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-5

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

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CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 3000K 7-step quadrangle

REPORT NUMBER: SP1-2506-472-5

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	101	NR	620	317	NR	750	7	NR	880	0	NR
365	0	NR	495	121	NR	625	320	NR	755	6	NR	885	0	NR
370	0	NR	500	141	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	158	NR	635	651	NR	765	4	NR	895	0	NR
380	0	NR	510	171	NR	640	207	NR	770	4	NR	900	0	NR
385	0	NR	515	182	NR	645	201	NR	775	3	NR	905	0	NR
390	0	NR	520	189	NR	650	174	NR	780	3	NR	910	0	NR
395	1	NR	525	194	NR	655	146	NR	785	2	NR	915	0	NR
400	1	NR	530	199	NR	660	124	NR	790	2	NR	920	0	NR
405	3	NR	535	205	NR	665	105	NR	795	2	NR	925	0	NR
410	4	NR	540	210	NR	670	96	NR	800	1	NR	930	0	NR
415	7	NR	545	216	NR	675	79	NR	805	1	NR	935	0	NR
420	13	NR	550	222	NR	680	67	NR	810	1	NR	940	0	NR
425	22	NR	555	230	NR	685	58	NR	815	1	NR	945	0	NR
430	37	NR	560	240	NR	690	49	NR	820	1	NR	950	0	NR
435	60	NR	565	248	NR	695	42	NR	825	1	NR	955	0	NR
440	101	NR	570	258	NR	700	36	NR	830	1	NR	960	0	NR
445	172	NR	575	268	NR	705	30	NR	835	1	NR	965	0	NR
450	223	NR	580	278	NR	710	26	NR	840	1	NR	970	0	NR
455	167	NR	585	287	NR	715	22	NR	845	0	NR	975	0	NR
460	126	NR	590	295	NR	720	19	NR	850	0	NR	980	0	NR
465	111	NR	595	298	NR	725	16	NR	855	0	NR	985	0	NR
470	86	NR	600	303	NR	730	14	NR	860	0	NR	990	0	NR
475	74	NR	605	307	NR	735	12	NR	865	0	NR	995	0	NR
480	77	NR	610	341	NR	740	10	NR	870	0	NR	1000	0	NR
485	86	NR	615	368	NR	745	8	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-5

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.44

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	101	NR	620	317	NR	750	7	NR	880	0	NR
365	0	NR	495	121	NR	625	320	NR	755	6	NR	885	0	NR
370	0	NR	500	141	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	158	NR	635	651	NR	765	4	NR	895	0	NR
380	0	NR	510	171	NR	640	207	NR	770	4	NR	900	0	NR
385	0	NR	515	182	NR	645	201	NR	775	3	NR	905	0	NR
390	0	NR	520	189	NR	650	174	NR	780	3	NR	910	0	NR
395	1	NR	525	194	NR	655	146	NR	785	2	NR	915	0	NR
400	1	NR	530	199	NR	660	124	NR	790	2	NR	920	0	NR
405	3	NR	535	205	NR	665	105	NR	795	2	NR	925	0	NR
410	4	NR	540	210	NR	670	96	NR	800	1	NR	930	0	NR
415	7	NR	545	216	NR	675	79	NR	805	1	NR	935	0	NR
420	13	NR	550	222	NR	680	67	NR	810	1	NR	940	0	NR
425	22	NR	555	230	NR	685	58	NR	815	1	NR	945	0	NR
430	37	NR	560	240	NR	690	49	NR	820	1	NR	950	0	NR
435	60	NR	565	248	NR	695	42	NR	825	1	NR	955	0	NR
440	101	NR	570	258	NR	700	36	NR	830	1	NR	960	0	NR
445	172	NR	575	268	NR	705	30	NR	835	1	NR	965	0	NR
450	223	NR	580	278	NR	710	26	NR	840	1	NR	970	0	NR
455	167	NR	585	287	NR	715	22	NR	845	0	NR	975	0	NR
460	126	NR	590	295	NR	720	19	NR	850	0	NR	980	0	NR
465	111	NR	595	298	NR	725	16	NR	855	0	NR	985	0	NR
470	86	NR	600	303	NR	730	14	NR	860	0	NR	990	0	NR
475	74	NR	605	307	NR	735	12	NR	865	0	NR	995	0	NR
480	77	NR	610	341	NR	740	10	NR	870	0	NR	1000	0	NR
485	86	NR	615	368	NR	745	8	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.85

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	101	NR	620	317	NR	750	7	NR	880	0	NR
365	0	NR	495	121	NR	625	320	NR	755	6	NR	885	0	NR
370	0	NR	500	141	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	158	NR	635	651	NR	765	4	NR	895	0	NR
380	0	NR	510	171	NR	640	207	NR	770	4	NR	900	0	NR
385	0	NR	515	182	NR	645	201	NR	775	3	NR	905	0	NR
390	0	NR	520	189	NR	650	174	NR	780	3	NR	910	0	NR
395	1	NR	525	194	NR	655	146	NR	785	2	NR	915	0	NR
400	1	NR	530	199	NR	660	124	NR	790	2	NR	920	0	NR
405	3	NR	535	205	NR	665	105	NR	795	2	NR	925	0	NR
410	4	NR	540	210	NR	670	96	NR	800	1	NR	930	0	NR
415	7	NR	545	216	NR	675	79	NR	805	1	NR	935	0	NR
420	13	NR	550	222	NR	680	67	NR	810	1	NR	940	0	NR
425	22	NR	555	230	NR	685	58	NR	815	1	NR	945	0	NR
430	37	NR	560	240	NR	690	49	NR	820	1	NR	950	0	NR
435	60	NR	565	248	NR	695	42	NR	825	1	NR	955	0	NR
440	101	NR	570	258	NR	700	36	NR	830	1	NR	960	0	NR
445	172	NR	575	268	NR	705	30	NR	835	1	NR	965	0	NR
450	223	NR	580	278	NR	710	26	NR	840	1	NR	970	0	NR
455	167	NR	585	287	NR	715	22	NR	845	0	NR	975	0	NR
460	126	NR	590	295	NR	720	19	NR	850	0	NR	980	0	NR
465	111	NR	595	298	NR	725	16	NR	855	0	NR	985	0	NR
470	86	NR	600	303	NR	730	14	NR	860	0	NR	990	0	NR
475	74	NR	605	307	NR	735	12	NR	865	0	NR	995	0	NR
480	77	NR	610	341	NR	740	10	NR	870	0	NR	1000	0	NR
485	86	NR	615	368	NR	745	8	NR	875	0	NR			

Summary

$R_f = 91.3$
 $R_g = 102$
 $CIE R_a = 94.4$
 $R_9 = 61.4$



Color Vector Graphics

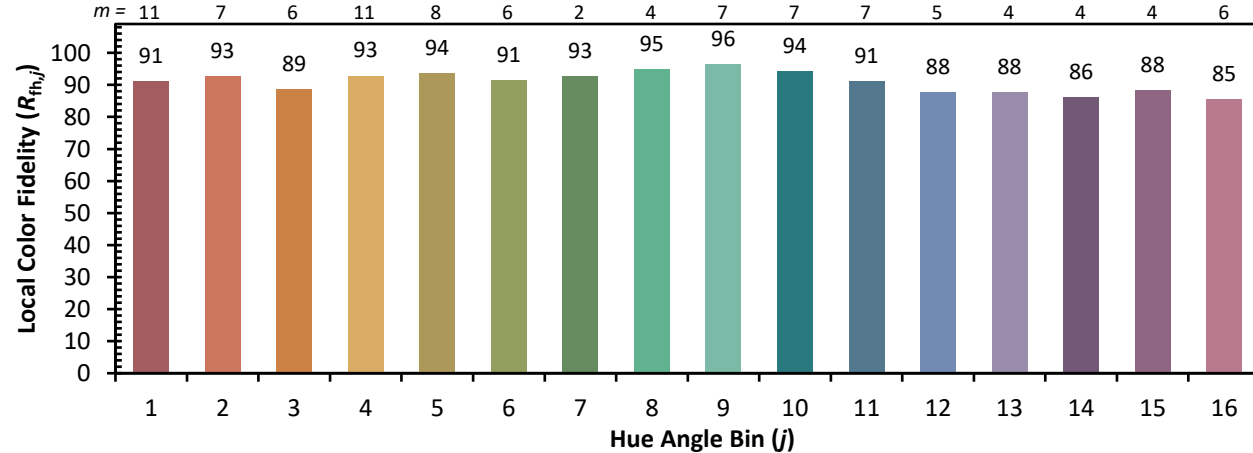


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 91	CES51 = 96	CES76 = 89
CES02 = 63	CES27 = 96	CES52 = 95	CES77 = 85
CES03 = 32	CES28 = 96	CES53 = 93	CES78 = 86
CES04 = 70	CES29 = 90	CES54 = 98	CES79 = 89
CES05 = 51	CES30 = 96	CES55 = 98	CES80 = 91
CES06 = 51	CES31 = 90	CES56 = 95	CES81 = 72
CES07 = 44	CES32 = 84	CES57 = 95	CES82 = 95
CES08 = 42	CES33 = 91	CES58 = 95	CES83 = 93
CES09 = 29	CES34 = 92	CES59 = 99	CES84 = 96
CES10 = 76	CES35 = 96	CES60 = 96	CES85 = 80
CES11 = 59	CES36 = 90	CES61 = 96	CES86 = 77
CES12 = 65	CES37 = 94	CES62 = 95	CES87 = 91
CES13 = 44	CES38 = 99	CES63 = 94	CES88 = 96
CES14 = 74	CES39 = 97	CES64 = 96	CES89 = 82
CES15 = 72	CES40 = 94	CES65 = 92	CES90 = 97
CES16 = 48	CES41 = 94	CES66 = 95	CES91 = 82
CES17 = 50	CES42 = 91	CES67 = 94	CES92 = 78
CES18 = 57	CES43 = 88	CES68 = 93	CES93 = 87
CES19 = 72	CES44 = 99	CES69 = 94	CES94 = 73
CES20 = 67	CES45 = 93	CES70 = 90	CES95 = 85
CES21 = 86	CES46 = 93	CES71 = 90	CES96 = 92
CES22 = 79	CES47 = 86	CES72 = 96	CES97 = 93
CES23 = 92	CES48 = 95	CES73 = 85	CES98 = 94
CES24 = 91	CES49 = 91	CES74 = 90	CES99 = 93
CES25 = 72	CES50 = 96	CES75 = 90	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)