

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: P1444660

Luminaire Tested: EHBR1-24-UNV-TA-L930-UPL18

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444660
REPORT IS A COMBINATION OF REPORTS P1444320 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-UPL18
Description: Elevate Round Highbay at, 24000 lumens, 3000K 90CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

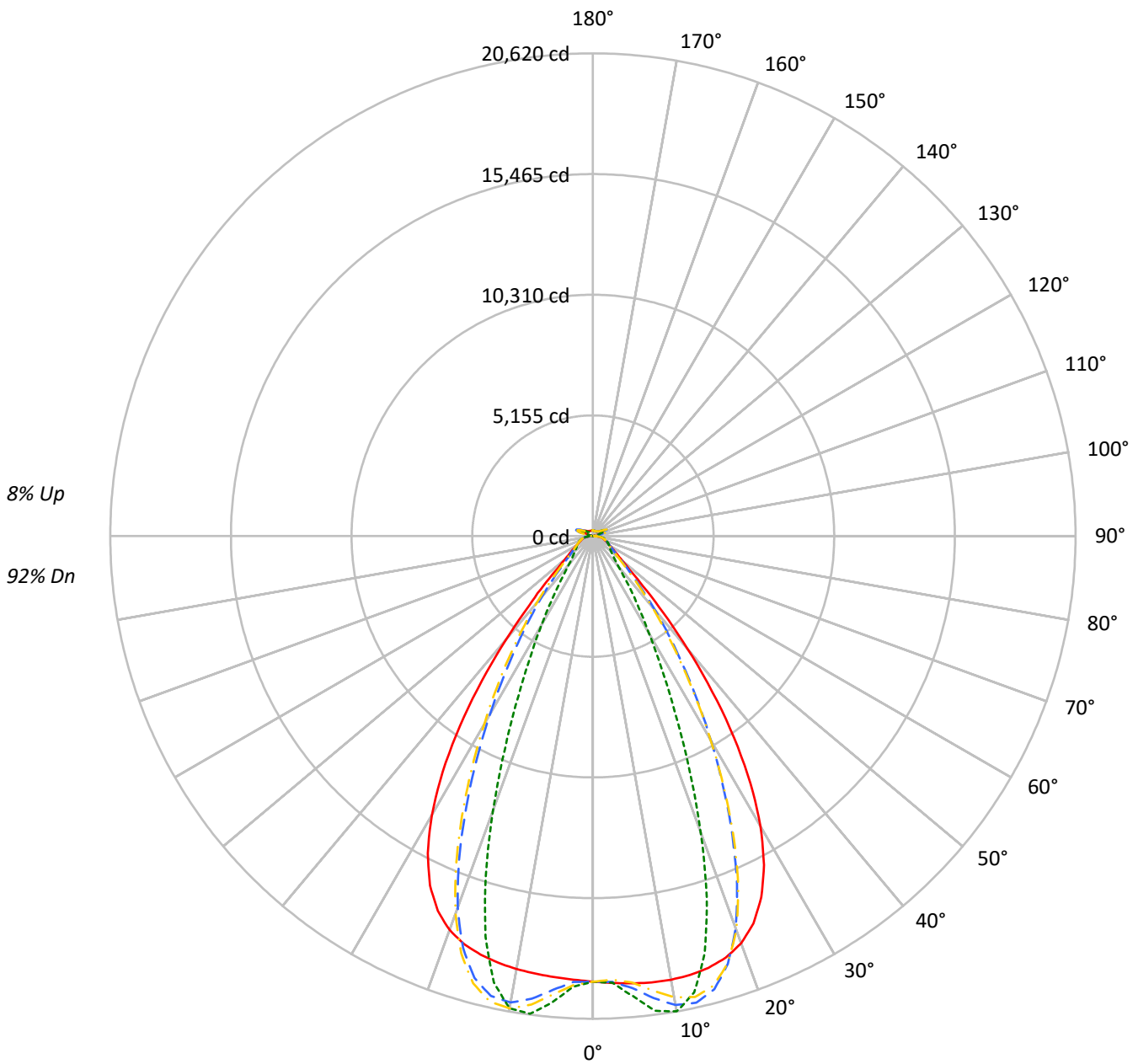
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23680.2 lumens
Efficiency: N/A
Efficacy: 168.9 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): 140.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	95	95	95	92
1	110	107	104	101	107	104	101	98	98	96	94	93	91	90	89	87	86	86	86	86	84
2	103	97	92	88	100	95	91	87	90	87	84	86	83	81	82	80	78	78	78	78	76
3	97	89	83	79	94	87	82	78	84	79	75	80	76	73	77	74	71	71	71	71	69
4	91	82	76	71	89	81	75	70	77	72	68	74	70	67	72	68	65	65	65	65	63
5	86	76	69	65	84	75	69	64	72	67	63	70	65	61	67	63	60	60	60	60	58
6	81	71	64	59	79	70	63	59	67	62	58	65	60	57	63	59	56	56	56	56	54
7	76	66	59	55	75	65	59	54	63	57	53	61	56	52	59	55	52	52	52	52	50
8	72	62	55	50	71	61	55	50	59	53	49	57	52	49	56	51	48	48	48	48	47
9	69	58	51	47	67	57	51	47	56	50	46	54	49	46	53	48	45	45	45	45	43
10	65	54	48	44	64	54	48	44	52	47	43	51	46	43	50	45	42	42	42	42	41

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	7.9
10°-20°	5276.8	22.3
20°-30°	6009.9	25.4
30°-40°	4319.6	18.2
40°-50°	1992.2	8.4
50°-60°	953.4	4.0
60°-70°	695.6	2.9
70°-80°	528.5	2.2
80°-90°	243.3	1.0
90°-100°	51.0	0.2
100°-110°	292.2	1.2
110°-120°	539.8	2.3
120°-130°	330.6	1.4
130°-140°	213.0	0.9
140°-150°	158.3	0.7
150°-160°	110.6	0.5
160°-170°	66.8	0.3
170°-180°	22.9	0.1
0°-30°	13162.4	55.6
0°-40°	17482.1	73.8
0°-60°	20427.6	86.3
0°-90°	21895.0	92.5
90°-120°	883.1	3.7
90°-150°	1585.0	6.7
90°-180°	1785.0	7.5
0°-180°	23680.2	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°	65	82	20	24	65	40
95°	23	26	23	26	23	22
105°	105	136	71	136	105	140
115°	471	571	493	571	471	435
125°	355	371	402	372	355	323
135°	280	248	301	250	280	218
145°	249	241	265	244	249	157
155°	233	234	248	236	233	109
165°	233	232	241	234	233	66
175°	238	241	243	241	238	23
180°	242	242	242	242	242	



TEST NUMBER: P1444660
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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°	64.7	68.3	69.6	73.7	75.0	78.8	79.8	84.0	85.4	89.6	91.7
92.5°	20.6	21.9	23.2	24.6	25.9	27.7	29.2	30.7	32.1	33.8	36.4
95°	23.3	24.8	26.3	27.8	29.3	30.9	32.4	34.0	35.5	37.0	41.4
97.5°	29.2	30.6	31.9	33.2	34.5	35.8	37.2	38.4	39.7	41.0	46.3
100°	38.0	39.1	40.2	41.3	42.4	43.6	44.6	45.8	46.9	48.0	57.7
102.5°	62.5	66.4	70.4	74.3	78.2	82.3	86.2	90.1	94.1	98.0	118.8
105°	105.4	116.1	127.0	137.6	148.4	159.2	169.9	180.5	191.2	202.0	235.9
107.5°	179.6	199.4	219.3	239.3	259.1	278.9	298.8	318.7	338.5	358.2	392.6
110°	331.0	346.8	362.9	378.8	394.9	410.8	426.8	442.5	458.6	474.5	499.6



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	446.0	453.2	460.5	467.7	474.9	482.0	489.2	496.5	503.7	510.7	528.7
115°	471.0	473.6	476.0	478.5	481.1	483.4	486.0	488.4	490.9	493.2	505.5
117.5°	458.0	457.5	457.1	456.6	456.0	455.6	454.9	454.4	453.8	453.2	460.0
120°	427.9	425.6	423.5	421.2	418.8	416.4	414.2	411.9	409.5	407.0	409.9
122.5°	389.9	387.2	384.6	381.8	379.1	376.1	373.5	370.4	367.7	364.8	365.9
125°	354.9	352.1	349.4	346.6	343.7	340.9	338.0	335.1	332.2	329.2	329.7
127.5°	324.5	322.6	320.7	318.5	316.5	314.4	312.3	310.0	308.1	305.7	305.8
130°	305.3	303.6	301.8	299.9	298.0	296.0	294.1	291.9	290.1	287.9	288.1
132.5°	289.8	288.6	287.3	285.9	284.5	282.8	281.4	279.7	278.2	276.7	276.9
135°	279.7	278.5	277.4	276.2	274.8	273.2	271.8	270.3	268.9	267.3	267.6
137.5°	271.4	270.3	269.2	268.0	266.7	265.2	264.0	262.4	261.1	259.6	259.9
140°	263.7	262.7	261.6	260.5	259.3	258.2	256.8	255.5	254.2	252.8	253.2
142.5°	254.9	254.0	253.3	252.3	251.4	250.2	249.3	248.0	247.0	245.9	246.5
145°	249.3	248.7	248.0	247.2	246.3	245.3	244.4	243.4	242.5	241.5	242.2
147.5°	244.5	244.0	243.5	242.7	242.1	241.2	240.5	239.5	238.8	238.0	238.7
150°	240.3	239.8	239.4	238.6	238.0	237.2	236.5	235.7	234.9	234.1	234.9
152.5°	235.8	235.3	234.7	234.2	233.6	232.7	232.1	231.3	230.5	229.8	230.4
155°	233.3	232.8	232.2	231.6	231.1	230.4	229.7	228.9	228.3	227.6	228.0
157.5°	232.1	231.5	231.2	230.6	230.3	229.6	229.0	228.5	228.0	227.4	227.7
160°	232.0	231.5	231.2	230.5	230.0	229.5	229.0	228.3	228.0	227.3	227.6
162.5°	232.0	231.5	231.1	230.5	230.1	229.4	228.9	228.5	228.0	227.5	227.9
165°	232.8	232.4	232.1	231.8	231.4	231.1	230.7	230.3	229.9	229.5	229.7
167.5°	235.3	234.9	234.6	234.2	233.7	233.2	232.9	232.4	232.1	231.5	231.8
170°	236.6	236.2	236.0	235.8	235.5	235.3	235.0	234.7	234.5	234.2	234.4
172.5°	238.1	237.8	237.7	237.6	237.3	237.1	237.0	236.7	236.6	236.2	236.7
175°	238.5	238.2	238.1	238.0	237.8	237.8	237.7	237.5	237.5	237.3	237.4
177.5°	240.1	240.0	240.0	240.0	240.0	239.9	239.8	239.6	239.6	239.6	239.7
180°	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5



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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°	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°	96.5	98.9	103.6	104.5	107.8	108.3	89.4	87.9	85.5	85.6	82.6
92.5°	39.4	42.1	44.8	47.6	50.3	53.2	53.6	55.8	53.1	50.1	47.6
95°	45.9	50.3	54.8	59.3	63.8	68.3	72.7	77.2	73.0	68.8	64.6
97.5°	51.5	56.9	62.1	67.4	72.6	78.0	83.2	88.5	84.0	79.4	74.9
100°	67.6	77.4	87.2	97.0	106.8	116.7	126.5	136.3	127.7	119.0	110.4
102.5°	139.6	160.5	181.3	202.2	223.1	244.0	264.9	285.9	266.0	246.0	226.2
105°	269.7	303.5	337.3	371.1	404.8	438.6	472.7	506.5	474.8	443.0	411.3
107.5°	426.9	461.2	495.4	529.6	563.9	598.2	632.8	667.1	636.2	605.2	574.3
110°	524.6	549.6	574.7	599.6	624.6	649.6	675.0	700.1	681.5	662.8	644.1



TEST NUMBER: P1444660
 CATALOG NUMBER: EHBR1-24-UNV-TA-L930-UPL18

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	546.4	564.4	582.3	600.0	617.7	635.6	654.1	672.1	662.7	653.2	643.9
115°	517.4	529.4	541.4	553.4	565.4	577.3	590.1	602.3	599.2	596.1	593.1
117.5°	466.6	473.3	480.0	486.7	493.2	499.9	507.5	514.4	514.7	515.2	515.6
120°	412.7	415.4	418.1	421.0	423.6	426.3	430.3	433.3	435.7	438.1	440.5
122.5°	366.9	367.9	368.8	369.7	370.6	371.6	373.9	375.3	376.8	378.5	380.1
125°	330.1	330.6	331.0	331.3	331.6	332.1	334.1	334.7	334.8	334.7	334.7
127.5°	305.7	305.7	305.7	305.7	305.5	305.6	307.1	307.4	306.3	305.0	303.9
130°	288.2	288.4	288.5	288.6	288.7	288.9	290.8	291.4	289.4	287.3	285.3
132.5°	277.1	277.2	277.4	277.8	277.9	278.1	280.3	280.9	278.7	276.3	273.9
135°	267.8	268.2	268.5	268.7	268.9	269.5	271.8	272.6	270.5	268.1	265.9
137.5°	260.0	260.5	260.7	261.1	261.4	261.8	264.5	265.3	263.5	261.6	259.9
140°	253.6	254.0	254.5	255.0	255.4	255.9	258.9	259.9	258.5	257.0	255.6
142.5°	246.9	247.7	248.4	249.2	249.8	250.7	253.9	255.2	254.2	253.0	252.0
145°	242.9	243.8	244.6	245.4	246.2	247.2	250.9	252.5	251.9	251.0	250.3
147.5°	239.2	240.0	240.8	241.5	242.3	243.4	247.2	248.7	248.4	247.8	247.3
150°	235.4	236.2	237.0	237.8	238.8	239.8	244.1	245.9	245.5	245.1	244.6
152.5°	231.1	231.8	232.4	233.2	233.9	234.9	240.1	241.9	241.6	241.1	240.9
155°	228.5	229.1	229.6	230.2	230.7	231.5	237.0	238.8	238.6	238.4	238.1
157.5°	228.0	228.3	228.6	229.0	229.5	229.9	235.7	237.5	237.2	237.0	236.8
160°	227.9	228.1	228.3	228.6	228.8	229.2	235.2	236.9	236.7	236.4	236.2
162.5°	228.1	228.7	228.9	229.2	229.6	230.1	236.1	238.0	237.6	237.3	237.0
165°	229.9	230.0	230.2	230.5	230.7	230.9	236.5	238.1	238.0	237.8	237.5
167.5°	231.9	232.2	232.4	232.7	232.9	233.3	238.5	240.0	239.8	239.5	239.4
170°	234.5	234.8	234.8	235.2	235.3	235.7	240.1	241.3	241.2	240.8	240.6
172.5°	236.8	237.2	237.4	237.7	237.9	238.3	241.9	243.2	243.0	242.8	242.5
175°	237.7	237.8	238.1	238.4	238.6	238.9	241.9	242.7	242.6	242.5	242.3
177.5°	240.0	240.1	240.3	240.5	240.7	240.9	242.7	243.2	243.2	243.2	243.1
180°	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5



TEST NUMBER: P1444660
 CATALOG NUMBER: EHBR1-24-UNV-TA-L930-UPL18

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°	82.0	78.9	79.5	78.1	79.8	78.2	79.9	78.2	80.4	80.0	83.0
92.5°	44.4	41.9	38.8	36.1	33.1	30.6	28.9	27.8	26.3	25.3	23.6
95°	60.4	56.3	52.1	47.9	43.8	39.7	38.1	36.6	35.1	33.6	32.0
97.5°	70.5	65.9	61.5	56.9	52.5	48.0	47.1	46.0	45.0	44.0	43.0
100°	101.7	93.0	84.4	75.7	67.1	58.5	57.7	56.9	56.1	55.3	54.4
102.5°	206.4	186.5	166.7	146.9	127.1	107.2	103.7	100.3	96.9	93.4	90.0
105°	379.5	347.7	316.0	284.4	252.6	220.9	211.5	201.8	192.4	183.0	173.6
107.5°	543.2	512.2	481.3	450.4	419.5	388.5	373.7	358.7	343.6	328.7	313.8
110°	625.4	606.8	588.3	569.5	551.1	532.5	518.2	503.9	489.7	475.3	461.2



TEST NUMBER: P1444660
 CATALOG NUMBER: EHBR1-24-UNV-TA-L930-UPL18

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	634.5	625.2	615.8	606.5	597.2	587.9	580.9	573.9	567.0	560.0	553.0
115°	590.0	587.0	583.9	581.0	578.1	575.1	574.4	574.0	573.4	572.9	572.4
117.5°	516.1	516.6	516.9	517.5	518.0	518.5	522.1	525.8	529.4	533.3	537.1
120°	442.9	445.2	447.5	450.0	452.5	455.0	459.8	464.7	469.6	474.7	479.8
122.5°	381.7	383.2	384.8	386.5	388.2	389.9	394.6	399.5	404.3	409.3	414.4
125°	334.5	334.5	334.4	334.3	334.3	334.4	338.3	342.2	346.2	350.3	354.2
127.5°	302.6	301.3	300.0	299.0	297.6	296.5	298.7	300.9	303.3	305.7	308.0
130°	283.1	281.2	278.9	277.0	274.7	272.8	273.6	274.4	275.2	276.1	277.0
132.5°	271.5	269.1	266.7	264.4	261.9	259.5	259.3	259.1	259.0	258.9	258.9
135°	263.6	261.5	259.1	256.7	254.3	252.2	251.5	250.8	250.1	249.5	248.8
137.5°	258.1	256.3	254.4	252.5	250.7	248.8	247.7	246.9	246.0	245.2	244.4
140°	254.1	252.5	250.9	249.5	247.9	246.5	245.6	245.0	244.1	243.5	242.7
142.5°	250.8	249.7	248.4	247.5	246.3	245.2	244.4	243.5	242.8	242.2	241.5
145°	249.5	248.8	248.0	247.2	246.3	245.7	245.0	244.4	243.8	243.4	242.8
147.5°	246.8	246.3	245.8	245.2	244.6	244.1	243.5	243.3	242.7	242.5	242.0
150°	244.2	243.6	243.1	242.7	242.1	241.7	241.4	241.1	240.8	240.7	240.4
152.5°	240.3	239.9	239.4	239.1	238.6	238.1	237.8	237.7	237.4	237.2	237.0
155°	237.8	237.5	237.1	236.9	236.4	236.2	235.9	235.5	235.3	234.9	234.5
157.5°	236.5	236.2	235.9	235.7	235.3	235.0	234.7	234.5	234.1	233.8	233.5
160°	235.9	235.7	235.3	235.1	234.8	234.5	234.1	233.7	233.3	233.0	232.5
162.5°	236.7	236.2	235.9	235.5	235.1	234.8	234.5	234.1	233.8	233.6	233.2
165°	237.2	237.0	236.7	236.4	236.2	235.9	235.4	235.2	234.6	234.3	233.8
167.5°	239.1	238.9	238.6	238.5	238.1	237.8	237.5	237.1	236.8	236.4	235.9
170°	240.3	239.9	239.6	239.3	239.0	238.6	238.3	237.9	237.6	237.3	236.8
172.5°	242.3	242.0	241.7	241.5	241.1	240.9	240.6	240.3	240.1	239.7	239.4
175°	242.2	242.2	242.1	241.9	241.9	241.7	241.5	241.5	241.3	241.2	241.1
177.5°	243.1	243.0	243.0	242.9	242.8	242.8	242.7	242.6	242.3	242.1	242.0
180°	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5



TEST NUMBER: P1444660
 CATALOG NUMBER: EHBR1-24-UNV-TA-L930-UPL18

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°	81.9	83.8	81.4	81.5	79.9	80.9	77.7	77.3	72.3	70.9	66.7
92.5°	22.5	21.0	19.7	18.4	20.1	21.0	22.6	23.6	25.2	26.3	27.8
95°	30.5	29.0	27.4	25.9	27.2	28.3	29.6	30.8	32.0	33.2	34.5
97.5°	42.0	41.0	39.9	38.9	39.7	40.4	41.1	41.8	42.4	43.1	43.9
100°	53.6	52.8	52.0	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
102.5°	86.5	83.1	79.7	76.2	78.5	80.8	83.1	85.5	87.9	90.2	92.6
105°	164.1	154.7	145.3	135.8	144.9	154.1	163.2	172.3	181.4	190.8	199.9
107.5°	298.7	283.8	268.9	254.0	270.7	287.4	304.0	320.6	337.3	354.0	370.7
110°	446.9	432.7	418.5	404.3	422.0	439.6	457.2	474.9	492.7	510.4	528.1



TEST NUMBER: P1444660
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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°	546.0	539.1	532.2	525.3	536.7	548.1	559.5	571.0	582.4	593.8	605.2
115°	571.9	571.5	571.1	570.7	576.0	581.5	586.8	592.3	597.8	603.1	608.6
117.5°	540.7	544.5	548.4	552.2	553.9	555.7	557.5	559.2	561.2	562.9	564.7
120°	484.9	489.9	495.0	500.2	499.5	498.8	498.1	497.3	497.0	496.4	495.9
122.5°	419.4	424.4	429.6	434.7	433.2	431.7	430.2	428.8	427.4	426.1	424.7
125°	358.6	362.7	367.1	371.3	369.8	368.3	366.9	365.5	364.1	362.8	361.6
127.5°	310.6	313.1	315.6	318.3	317.6	316.9	316.4	315.7	315.4	314.9	314.6
130°	278.0	279.1	280.4	281.4	281.6	281.8	282.3	282.6	283.1	283.5	284.2
132.5°	259.1	259.1	259.3	259.6	260.4	261.2	262.2	263.2	264.4	265.4	266.8
135°	248.4	248.1	247.7	247.6	248.8	249.9	251.3	252.6	254.2	255.8	257.5
137.5°	243.8	243.2	242.7	242.1	243.4	244.5	245.9	247.3	248.7	250.3	252.1
140°	242.2	241.6	241.3	240.9	242.1	243.2	244.5	246.0	247.4	249.0	250.7
142.5°	241.1	240.4	240.0	239.7	240.7	241.8	243.1	244.3	245.7	247.0	248.5
145°	242.4	241.9	241.7	241.4	242.1	242.9	243.8	244.7	245.9	246.8	248.0
147.5°	241.8	241.5	241.3	241.1	241.8	242.3	243.0	243.6	244.4	245.2	246.0
150°	240.3	240.1	240.0	239.9	240.3	240.6	241.1	241.4	241.9	242.4	243.1
152.5°	237.0	236.7	236.7	236.6	236.9	237.1	237.6	237.8	238.4	238.7	239.4
155°	234.5	234.3	234.0	233.8	233.8	234.0	234.2	234.2	234.5	234.6	234.9
157.5°	233.4	233.1	232.9	232.7	232.6	232.5	232.5	232.4	232.6	232.5	232.6
160°	232.2	231.8	231.5	231.3	231.3	231.2	231.3	231.3	231.3	231.4	231.6
162.5°	233.0	232.8	232.5	232.2	232.1	231.8	231.7	231.4	231.3	231.1	231.1
165°	233.5	233.0	232.8	232.3	232.2	232.1	232.1	232.0	231.9	231.8	231.9
167.5°	235.6	235.2	234.9	234.5	234.3	233.9	233.7	233.5	233.1	232.9	232.8
170°	236.6	236.2	236.0	235.7	235.5	235.3	235.3	235.1	235.0	234.9	234.9
172.5°	239.2	238.9	238.6	238.5	238.3	238.1	238.1	238.0	237.8	237.8	237.8
175°	241.0	240.9	240.8	240.6	240.4	240.3	240.2	240.1	240.0	239.8	239.6
177.5°	241.9	241.6	241.5	241.4	241.3	241.3	241.3	241.3	241.3	241.2	241.2
180°	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5



TEST NUMBER: P1444660
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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°	66.3	62.6	62.7	60.2	61.1	59.2	60.7	59.6	61.6	60.4	62.6
92.5°	28.9	30.2	32.6	35.3	37.5	39.9	42.4	45.0	47.2	49.9	52.1
95°	35.6	36.9	40.1	43.4	46.6	49.9	53.2	56.5	59.7	63.0	66.2
97.5°	44.6	45.4	48.6	51.9	55.1	58.4	61.6	65.1	68.3	71.6	74.8
100°	51.2	51.2	60.5	69.7	79.0	88.3	97.5	106.8	116.1	125.3	134.6
102.5°	94.9	97.2	120.6	144.0	167.4	190.7	214.1	237.5	260.8	284.4	307.8
105°	209.1	218.2	253.9	289.5	325.1	360.8	396.6	432.4	467.9	503.7	539.4
107.5°	387.4	404.0	436.3	468.6	500.7	533.1	565.3	597.6	629.9	662.1	694.6
110°	545.7	563.5	585.0	606.7	628.3	650.0	671.6	693.3	715.0	736.7	758.4



TEST NUMBER: P1444660
 CATALOG NUMBER: EHBR1-24-UNV-TA-L930-UPL18

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	616.5	628.1	640.6	653.3	665.9	678.6	691.3	703.9	716.7	729.4	742.1
115°	614.2	619.7	624.6	629.6	634.5	639.5	644.6	649.6	654.8	659.8	665.0
117.5°	566.6	568.5	569.3	570.2	571.0	572.1	572.9	574.0	575.1	576.0	577.0
120°	495.3	494.8	494.1	493.4	492.7	492.1	491.6	490.8	490.4	489.8	489.2
122.5°	423.4	422.2	421.6	420.9	420.4	419.9	419.3	418.9	418.5	417.9	417.5
125°	360.4	359.3	360.2	361.0	362.0	362.9	363.9	364.9	365.9	366.9	368.0
127.5°	314.1	313.9	315.9	318.0	320.1	322.2	324.4	326.6	328.7	331.0	333.0
130°	284.7	285.4	288.0	290.7	293.3	296.0	298.8	301.6	304.1	306.9	309.6
132.5°	268.0	269.4	271.8	274.4	277.0	279.6	282.2	284.9	287.6	290.2	292.7
135°	259.1	260.9	263.2	265.6	268.0	270.5	272.9	275.4	277.6	280.2	282.4
137.5°	253.6	255.5	257.5	259.4	261.3	263.4	265.3	267.3	269.2	271.3	273.2
140°	252.3	254.1	255.1	256.5	257.6	258.9	259.9	261.3	262.4	263.7	264.8
142.5°	250.0	251.7	252.4	253.3	254.1	255.1	255.8	256.7	257.5	258.3	259.0
145°	249.1	250.4	250.6	250.8	251.0	251.3	251.4	251.7	251.8	252.0	252.2
147.5°	246.9	247.9	247.8	247.9	248.0	247.9	248.0	248.0	248.0	248.0	248.0
150°	243.6	244.4	244.1	244.1	243.7	243.6	243.4	243.3	243.0	242.9	242.6
152.5°	239.8	240.4	240.0	239.9	239.5	239.4	238.9	238.8	238.4	238.2	237.9
155°	235.1	235.3	235.2	235.0	234.8	234.6	234.4	234.5	234.4	234.1	234.1
157.5°	232.6	232.6	232.5	232.4	232.3	232.2	232.1	232.1	232.1	232.1	232.2
160°	231.5	231.7	231.5	231.4	231.3	231.3	231.1	231.1	231.1	231.3	231.3
162.5°	230.8	230.7	230.6	230.5	230.4	230.4	230.3	230.4	230.4	230.5	230.6
165°	231.9	232.0	231.7	231.5	231.3	231.3	231.1	231.1	231.1	231.0	231.1
167.5°	232.7	232.6	232.6	232.6	232.6	232.7	232.8	233.0	233.1	233.4	233.5
170°	234.8	234.9	234.7	234.7	234.5	234.5	234.5	234.5	234.5	234.5	234.5
172.5°	237.8	237.8	237.7	237.4	237.2	237.0	236.8	236.8	236.6	236.4	236.2
175°	239.4	239.4	239.3	239.2	239.1	238.9	238.7	238.6	238.5	238.4	238.3
177.5°	241.1	241.0	240.9	240.9	240.9	240.8	240.8	240.7	240.7	240.7	240.5
180°	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5



TEST NUMBER: P1444660
 CATALOG NUMBER: EHBR1-24-UNV-TA-L930-UPL18

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°	58.0	56.6	52.3	51.0	46.7	44.3	39.5	37.5	33.1	32.1	29.2
92.5°	49.4	46.7	44.1	41.2	38.7	35.9	33.2	30.5	27.7	26.6	25.8
95°	62.3	58.3	54.4	50.3	46.4	42.4	38.6	34.6	30.7	29.9	29.1
97.5°	70.1	65.4	60.8	56.2	51.5	46.9	42.3	37.6	33.0	32.4	32.0
100°	123.9	113.2	102.5	91.7	81.0	70.2	59.5	48.7	38.1	37.4	36.8
102.5°	281.7	255.7	229.6	203.6	177.8	151.7	125.6	99.5	73.5	69.8	66.0
105°	500.0	460.6	421.3	381.9	342.6	303.1	263.8	224.3	184.9	172.3	159.5
107.5°	657.5	620.4	583.5	546.5	509.5	472.5	435.5	398.4	361.4	339.0	316.8
110°	729.1	699.6	670.4	641.1	611.7	582.4	553.0	523.5	494.2	475.0	455.9



TEST NUMBER: P1444660
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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°	720.7	699.2	677.8	656.2	634.8	613.3	591.8	570.2	548.7	537.1	525.5
115°	652.1	639.2	626.4	613.5	600.5	587.6	574.8	561.7	548.8	542.6	536.6
117.5°	570.6	564.0	557.6	551.0	544.5	537.8	531.3	524.6	518.0	516.0	513.9
120°	487.5	485.7	483.6	481.7	479.8	477.9	475.9	473.9	471.9	472.2	472.6
122.5°	418.5	419.4	420.4	421.1	422.0	422.8	423.7	424.4	425.3	427.0	428.8
125°	370.0	372.1	374.1	376.1	378.1	380.2	382.2	384.1	386.2	387.9	389.8
127.5°	335.4	337.7	340.1	342.4	344.7	346.9	349.2	351.4	353.7	355.2	357.0
130°	311.7	313.6	315.7	317.7	319.7	321.7	323.7	325.7	327.7	329.0	330.3
132.5°	294.6	296.4	298.3	300.0	301.9	303.6	305.6	307.3	309.2	310.2	311.3
135°	283.9	285.3	286.7	287.9	289.5	290.9	292.3	293.7	295.2	295.9	296.7
137.5°	274.4	275.5	276.7	277.8	279.0	280.2	281.4	282.6	284.0	284.4	285.1
140°	266.0	267.2	268.4	269.6	270.9	272.1	273.5	274.8	276.2	276.7	277.2
142.5°	260.0	260.8	261.8	262.8	263.9	264.8	265.9	267.1	268.2	268.8	269.3
145°	253.4	254.4	255.5	256.6	257.7	259.0	260.3	261.5	262.9	263.2	263.6
147.5°	248.9	249.8	250.9	251.8	252.7	253.7	255.0	256.1	257.4	257.7	258.0
150°	243.6	244.6	245.6	246.6	247.7	248.9	250.1	251.3	252.7	253.2	253.6
152.5°	239.0	240.0	241.1	242.2	243.5	244.7	246.0	247.3	248.6	249.1	249.6
155°	235.2	236.2	237.3	238.5	239.7	240.9	242.1	243.4	244.6	245.2	245.7
157.5°	233.2	234.1	235.2	236.2	237.3	238.4	239.5	240.6	241.9	242.2	242.7
160°	232.2	233.0	233.9	234.9	235.9	236.9	237.8	238.8	239.9	240.3	240.7
162.5°	231.5	232.4	233.3	234.2	235.3	236.2	237.1	238.0	239.1	239.4	239.9
165°	231.8	232.4	233.2	233.7	234.5	235.2	236.0	236.7	237.5	237.8	238.4
167.5°	234.1	234.5	235.1	235.6	236.2	236.9	237.5	238.0	238.6	239.0	239.4
170°	235.0	235.4	235.9	236.4	237.0	237.5	237.9	238.5	239.1	239.4	239.8
172.5°	236.5	236.8	237.2	237.4	237.8	238.1	238.5	238.9	239.2	239.6	239.9
175°	238.5	238.6	238.7	238.8	239.1	239.3	239.4	239.7	239.9	240.1	240.4
177.5°	240.6	240.7	240.9	241.0	241.2	241.3	241.6	241.7	241.9	242.1	242.5
180°	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5



TEST NUMBER: P1444660
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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°	28.5	25.9	25.3	22.9	22.1	20.3	19.7	19.9	20.5	20.8	21.4
92.5°	25.0	24.1	23.1	22.2	21.3	20.3	19.4	20.3	21.3	22.2	23.1
95°	28.2	27.4	26.6	25.8	25.0	24.1	23.3	24.1	25.0	25.8	26.6
97.5°	31.5	30.9	30.5	29.9	29.4	29.0	28.4	29.1	29.5	30.0	30.6
100°	36.3	35.6	35.0	34.4	33.9	33.2	32.6	33.4	34.0	34.6	35.2
102.5°	62.3	58.5	54.8	51.1	47.2	43.5	39.7	43.5	47.2	51.2	54.9
105°	146.9	134.3	121.6	108.9	96.2	83.5	70.8	83.6	96.3	109.0	121.7
107.5°	294.4	272.3	250.0	227.8	205.3	183.1	160.8	183.1	205.4	227.8	250.1
110°	436.7	417.4	398.2	378.9	359.7	340.4	321.2	340.5	359.8	379.1	398.4



TEST NUMBER: P1444660
 CATALOG NUMBER: EHBR1-24-UNV-TA-L930-UPL18

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	513.8	502.2	490.4	478.8	467.0	455.4	443.6	455.6	467.3	479.2	490.8
115°	530.5	524.3	518.3	512.0	505.8	499.8	493.4	499.9	506.2	512.5	518.8
117.5°	511.7	509.6	507.6	505.5	503.2	501.1	498.9	501.3	503.6	506.1	508.3
120°	472.8	473.2	473.5	473.7	474.0	474.2	474.4	474.5	474.5	474.5	474.4
122.5°	430.4	432.2	433.8	435.5	437.0	438.6	440.1	438.9	437.5	436.4	434.9
125°	391.5	393.3	395.0	396.7	398.3	400.1	401.5	400.5	399.1	397.8	396.3
127.5°	358.6	360.2	361.7	363.4	364.8	366.3	367.6	366.7	365.5	364.5	363.2
130°	331.6	333.0	334.1	335.3	336.4	337.5	338.4	337.8	337.1	336.6	335.7
132.5°	312.3	313.3	314.4	315.3	316.1	316.9	317.5	317.3	317.0	316.6	316.1
135°	297.6	298.3	299.0	299.8	300.3	300.8	301.1	301.3	301.2	301.1	300.8
137.5°	285.4	286.0	286.4	286.8	287.0	287.2	287.4	287.7	287.9	288.4	288.3
140°	277.6	278.2	278.7	279.1	279.4	279.6	279.7	280.2	280.4	280.6	280.6
142.5°	269.7	270.2	270.6	271.2	271.3	271.6	271.7	272.1	272.2	272.5	272.6
145°	264.0	264.3	264.7	264.9	265.1	265.2	265.1	265.7	266.1	266.4	266.6
147.5°	258.4	258.8	259.0	259.1	259.3	259.4	259.4	259.9	260.2	260.5	260.8
150°	254.1	254.6	255.0	255.4	255.6	255.8	255.9	256.3	256.5	256.7	256.7
152.5°	250.1	250.4	250.8	251.0	251.4	251.6	251.7	252.0	252.4	252.5	252.6
155°	246.1	246.7	247.0	247.5	247.7	248.1	248.4	248.6	248.9	249.0	249.2
157.5°	243.1	243.5	243.9	244.4	244.6	245.1	245.3	245.7	246.0	246.2	246.3
160°	241.1	241.6	241.9	242.3	242.7	243.0	243.3	243.6	243.9	244.1	244.4
162.5°	240.3	240.7	240.9	241.3	241.7	242.0	242.3	242.7	242.9	243.2	243.4
165°	238.7	239.2	239.7	240.2	240.6	241.0	241.3	241.6	241.7	241.9	242.0
167.5°	239.7	240.2	240.6	241.1	241.3	241.8	242.1	242.3	242.5	242.6	242.7
170°	240.1	240.4	240.9	241.2	241.6	241.9	242.2	242.3	242.4	242.6	242.7
172.5°	240.3	240.8	241.1	241.6	241.9	242.4	242.7	242.8	242.7	242.7	242.5
175°	240.7	241.1	241.4	241.8	241.9	242.4	242.7	242.6	242.6	242.5	242.4
177.5°	242.8	243.3	243.7	244.0	244.3	244.6	245.0	244.7	244.4	244.3	244.0
180°	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5



TEST NUMBER: P1444660
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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°	21.8	22.4	22.8	23.4	24.3	25.9	27.7	29.3	31.4	33.0	34.8
92.5°	24.1	25.0	25.9	26.9	27.8	30.6	33.2	36.0	38.9	41.4	44.2
95°	27.5	28.3	29.1	30.1	30.9	34.8	38.9	42.8	46.8	50.7	54.7
97.5°	31.1	31.6	32.2	32.6	33.2	37.9	42.6	47.2	51.9	56.6	61.1
100°	35.9	36.5	37.1	37.7	38.3	49.1	59.9	70.6	81.4	92.1	102.9
102.5°	58.7	62.5	66.3	70.1	73.9	100.0	126.0	152.1	178.1	204.2	230.2
105°	134.5	147.1	159.9	172.6	185.3	224.7	264.2	303.7	343.1	382.5	422.0
107.5°	272.5	294.8	317.2	339.5	361.9	399.1	436.1	473.1	510.3	547.4	584.3
110°	417.8	437.0	456.4	475.7	494.9	524.3	553.9	583.3	612.7	642.2	671.5



TEST NUMBER: P1444660
 CATALOG NUMBER: EHBR1-24-UNV-TA-L930-UPL18

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	502.8	514.5	526.2	537.8	549.6	571.2	592.9	614.4	636.1	657.5	679.1
115°	525.1	531.2	537.5	543.6	549.9	562.9	575.9	589.0	602.1	615.0	628.0
117.5°	510.5	512.8	515.1	517.1	519.4	526.0	532.7	539.4	546.2	552.8	559.5
120°	474.4	474.2	474.0	473.7	473.6	475.5	477.7	479.8	481.8	483.8	485.8
122.5°	433.5	431.8	430.5	428.9	427.3	426.5	425.8	425.0	424.4	423.6	422.8
125°	395.0	393.3	391.7	390.1	388.4	386.5	384.6	382.7	380.8	378.8	376.9
127.5°	362.1	360.6	359.3	357.7	356.3	354.0	351.9	349.7	347.5	345.3	343.1
130°	334.9	333.8	332.9	331.6	330.6	328.6	326.8	324.8	322.9	321.0	319.0
132.5°	315.5	314.8	314.0	313.1	312.3	310.5	309.0	307.1	305.4	303.6	302.0
135°	300.5	300.0	299.7	299.2	298.6	297.2	295.9	294.6	293.3	291.9	290.6
137.5°	288.4	288.1	288.0	287.7	287.5	286.3	285.3	284.2	283.1	282.0	280.9
140°	280.6	280.4	280.4	280.2	279.9	278.7	277.6	276.4	275.3	274.0	273.0
142.5°	272.5	272.4	272.4	272.2	272.0	271.0	270.3	269.3	268.3	267.4	266.6
145°	266.6	266.7	266.8	266.7	266.8	265.6	264.7	263.5	262.6	261.5	260.5
147.5°	261.0	261.1	261.2	261.3	261.4	260.4	259.7	258.7	257.9	257.0	256.3
150°	256.8	256.8	256.9	256.8	256.7	255.8	255.0	254.2	253.4	252.4	251.6
152.5°	252.8	252.9	253.0	253.0	253.1	252.3	251.4	250.4	249.5	248.5	247.6
155°	249.3	249.3	249.4	249.4	249.4	248.6	247.8	246.9	246.1	245.2	244.4
157.5°	246.5	246.6	246.8	246.8	246.9	246.2	245.5	244.8	244.1	243.3	242.6
160°	244.5	244.7	244.9	245.0	245.1	244.4	244.0	243.3	242.8	242.0	241.3
162.5°	243.6	243.8	244.0	244.1	244.2	243.5	243.1	242.6	241.9	241.1	240.5
165°	242.1	242.1	242.2	242.2	242.2	241.8	241.5	241.1	240.7	240.2	239.8
167.5°	242.7	242.7	242.8	242.8	242.8	242.6	242.5	242.1	241.8	241.5	241.1
170°	242.7	242.7	242.7	242.7	242.7	242.5	242.2	241.9	241.8	241.3	241.0
172.5°	242.6	242.5	242.3	242.3	242.2	242.0	241.8	241.6	241.5	241.2	241.1
175°	242.2	242.1	242.0	241.9	241.8	241.8	241.7	241.7	241.6	241.4	241.3
177.5°	243.7	243.5	243.3	243.0	242.8	242.7	242.7	242.6	242.6	242.5	242.4
180°	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5



TEST NUMBER: P1444660
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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°	36.5	44.0	45.6	44.6	41.8	40.5	37.8	36.9	34.6	33.5	31.2
92.5°	47.0	49.6	52.4	50.0	47.5	45.1	42.7	40.1	37.8	35.3	32.9
95°	58.6	62.5	66.4	63.2	59.8	56.6	53.3	50.1	46.8	43.6	40.3
97.5°	65.8	70.4	74.9	71.7	68.4	65.1	61.8	58.6	55.3	52.0	48.7
100°	113.6	124.0	134.8	125.6	116.3	107.0	97.8	88.5	79.2	70.0	60.7
102.5°	256.2	282.0	308.0	284.5	261.1	237.8	214.4	191.0	167.6	144.1	120.7
105°	461.3	500.5	539.8	503.9	468.2	432.6	396.8	361.1	325.4	289.7	254.1
107.5°	621.3	657.9	694.8	662.5	630.2	598.0	565.6	533.3	501.0	468.7	436.5
110°	700.9	729.7	758.9	737.2	715.4	693.7	671.9	650.3	628.5	607.0	585.3



TEST NUMBER: P1444660
 CATALOG NUMBER: EHBR1-24-UNV-TA-L930-UPL18

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	700.6	721.3	742.6	729.8	717.1	704.4	691.7	678.9	666.3	653.6	641.0
115°	640.8	652.8	665.5	660.2	655.3	650.1	645.0	640.0	634.9	629.9	625.0
117.5°	566.1	571.5	577.7	576.7	575.7	574.5	573.5	572.6	571.7	570.7	569.8
120°	487.9	488.5	490.1	490.6	491.2	491.6	492.3	492.8	493.4	494.0	494.7
122.5°	422.0	419.7	418.5	418.8	419.4	419.7	420.2	420.7	421.2	421.7	422.3
125°	374.9	371.4	368.9	367.9	367.0	365.9	364.9	363.8	363.0	362.0	361.1
127.5°	340.9	336.9	334.4	332.2	330.0	327.9	325.6	323.4	321.3	319.1	317.2
130°	317.2	313.4	311.0	308.2	305.6	302.9	300.2	297.5	294.7	292.1	289.4
132.5°	300.1	296.6	294.3	291.7	289.3	286.5	284.0	281.3	278.7	276.0	273.6
135°	289.3	285.9	284.1	281.7	279.5	277.1	274.7	272.2	269.9	267.5	265.2
137.5°	279.8	276.5	274.9	273.0	271.2	269.2	267.3	265.4	263.5	261.4	259.6
140°	271.7	268.2	266.6	265.5	264.5	263.2	262.2	261.0	259.9	258.8	257.5
142.5°	265.6	262.4	260.9	260.2	259.5	258.8	258.1	257.4	256.6	255.7	254.9
145°	259.5	255.8	254.2	253.9	254.0	253.8	253.6	253.5	253.4	253.1	253.0
147.5°	255.3	251.5	250.0	250.0	250.1	250.1	250.3	250.2	250.4	250.3	250.5
150°	250.6	246.3	244.5	244.8	245.0	245.2	245.5	245.7	246.0	246.2	246.4
152.5°	246.7	241.5	239.5	239.8	240.2	240.4	240.7	241.1	241.4	241.9	242.1
155°	243.4	237.8	235.7	235.7	235.9	236.0	236.1	236.3	236.5	236.7	237.0
157.5°	241.7	235.9	233.8	233.7	233.7	233.7	233.7	233.9	234.0	234.1	234.3
160°	240.8	235.0	232.9	232.8	232.8	232.8	232.7	232.8	232.9	232.9	233.1
162.5°	239.9	234.2	232.2	232.1	232.0	231.9	231.9	231.9	232.0	232.0	232.1
165°	239.3	234.4	232.6	232.5	232.6	232.6	232.6	232.8	232.9	232.9	233.2
167.5°	240.7	236.2	235.0	234.7	234.5	234.3	234.3	234.0	234.0	233.9	233.9
170°	240.6	237.1	235.9	235.9	236.0	236.0	235.9	236.0	236.0	236.0	236.1
172.5°	240.8	238.2	237.3	237.5	237.8	237.8	238.0	238.2	238.4	238.6	238.8
175°	241.2	239.7	239.4	239.3	239.4	239.4	239.5	239.7	239.8	239.9	240.2
177.5°	242.3	241.9	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.7	241.7
180°	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5



TEST NUMBER: P1444660
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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°	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°	30.5	28.9	28.9	27.0	27.4	25.6	26.6	24.7	26.0	23.9	27.2
92.5°	30.4	29.1	27.7	26.6	25.1	23.9	22.5	21.2	19.9	18.5	19.9
95°	37.1	35.8	34.7	33.3	32.1	30.9	29.7	28.4	27.3	26.0	27.5
97.5°	45.5	44.8	44.1	43.4	42.7	42.1	41.3	40.6	39.9	39.2	40.2
100°	51.4	51.4	51.4	51.4	51.3	51.3	51.3	51.3	51.3	51.3	52.1
102.5°	97.3	95.0	92.7	90.4	88.0	85.6	83.3	81.0	78.7	76.4	79.8
105°	218.3	209.2	200.0	190.9	181.7	172.6	163.4	154.3	145.2	136.1	145.5
107.5°	404.3	387.6	370.8	354.2	337.5	320.8	304.1	287.6	270.9	254.2	269.1
110°	563.6	546.0	528.3	510.6	492.9	475.1	457.4	439.8	422.1	404.5	418.7



TEST NUMBER: P1444660
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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°	628.3	616.8	605.4	593.9	582.4	571.0	559.7	548.3	537.0	525.6	532.5
115°	619.9	614.4	608.9	603.5	598.0	592.5	587.1	581.7	576.3	571.0	571.4
117.5°	568.9	567.0	565.1	563.2	561.4	559.5	557.8	556.1	554.3	552.6	548.8
120°	495.4	495.8	496.3	496.8	497.4	498.0	498.4	499.1	499.8	500.6	495.4
122.5°	422.8	424.1	425.3	426.6	427.9	429.4	430.7	432.2	433.7	435.2	430.1
125°	360.1	361.3	362.4	363.7	364.8	366.3	367.6	369.1	370.5	372.1	367.8
127.5°	315.0	315.4	315.6	316.0	316.4	316.8	317.4	318.0	318.8	319.6	316.8
130°	286.8	286.1	285.5	284.9	284.3	283.9	283.6	283.2	282.9	282.8	281.7
132.5°	270.9	269.7	268.3	267.1	265.9	264.8	263.8	263.0	262.1	261.4	261.0
135°	262.7	261.0	259.3	257.7	256.0	254.7	253.2	251.9	250.7	249.5	249.8
137.5°	257.6	255.9	254.2	252.5	250.9	249.6	248.1	246.8	245.6	244.4	244.9
140°	256.4	254.6	253.0	251.4	249.9	248.4	247.0	245.8	244.4	243.5	243.7
142.5°	254.2	252.7	251.1	249.7	248.3	246.9	245.8	244.6	243.4	242.4	242.7
145°	252.8	251.7	250.5	249.4	248.4	247.5	246.4	245.7	244.9	244.3	244.4
147.5°	250.4	249.6	248.6	247.9	246.9	246.4	245.7	245.2	244.5	244.0	244.1
150°	246.7	246.1	245.6	245.1	244.6	244.2	243.7	243.4	243.0	242.7	242.7
152.5°	242.5	242.0	241.5	241.1	240.7	240.3	239.9	239.6	239.4	239.0	239.0
155°	237.2	237.0	236.8	236.7	236.5	236.4	236.2	236.3	236.2	236.2	236.2
157.5°	234.4	234.5	234.4	234.5	234.5	234.5	234.4	234.6	234.5	234.8	234.9
160°	233.4	233.3	233.2	233.1	233.1	233.0	233.1	233.0	233.1	233.1	233.4
162.5°	232.2	232.4	232.5	232.7	232.9	233.0	233.2	233.5	233.7	233.9	234.1
165°	233.4	233.4	233.4	233.3	233.4	233.5	233.5	233.6	233.7	233.8	234.1
167.5°	233.8	234.0	234.0	234.2	234.3	234.6	234.8	235.1	235.3	235.7	236.0
170°	236.1	236.1	236.1	236.1	236.1	236.2	236.2	236.3	236.4	236.6	236.8
172.5°	238.9	238.9	238.8	238.9	238.8	238.9	238.9	239.0	239.0	239.1	239.2
175°	240.1	240.3	240.4	240.6	240.7	240.8	240.9	241.1	241.1	241.2	241.2
177.5°	241.7	241.8	241.8	241.8	241.8	241.9	241.9	241.9	241.9	241.8	241.9
180°	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5



TEST NUMBER: P1444660
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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°	26.9	29.7	29.6	32.2	32.3	35.3	35.6	38.5	38.5	41.4	41.8
92.5°	21.2	22.5	23.8	25.1	26.5	27.7	29.1	30.4	33.2	35.9	38.9
95°	29.1	30.6	32.1	33.7	35.2	36.7	38.2	39.7	43.9	48.0	52.2
97.5°	41.3	42.2	43.2	44.3	45.3	46.3	47.3	48.3	52.8	57.2	61.7
100°	52.9	53.7	54.5	55.4	56.2	57.0	57.8	58.6	67.4	76.0	84.6
102.5°	83.2	86.7	90.2	93.6	97.0	100.5	103.9	107.4	127.3	147.0	166.8
105°	155.0	164.4	173.9	183.2	192.7	202.1	211.6	221.1	252.8	284.5	316.4
107.5°	284.1	299.0	313.9	328.9	343.9	358.9	373.8	388.8	419.7	450.6	481.6
110°	432.9	447.2	461.4	475.7	489.9	504.2	518.5	532.8	551.3	569.9	588.6



TEST NUMBER: P1444660
 CATALOG NUMBER: EHBR1-24-UNV-TA-L930-UPL18

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	539.4	546.3	553.3	560.3	567.3	574.3	581.3	588.3	597.6	607.0	616.2
115°	571.8	572.3	572.7	573.3	573.8	574.3	575.0	575.5	578.5	581.6	584.5
117.5°	544.9	541.2	537.4	533.6	530.0	526.4	522.7	519.2	518.6	518.1	517.8
120°	490.5	485.4	480.3	475.2	470.3	465.4	460.5	455.7	453.3	450.9	448.5
122.5°	425.1	420.1	415.1	410.0	405.2	400.3	395.6	390.9	389.2	387.6	386.0
125°	363.6	359.4	355.3	351.3	347.3	343.4	339.5	335.6	335.7	335.6	335.9
127.5°	314.3	311.8	309.3	307.0	304.7	302.4	300.2	298.0	299.3	300.6	301.8
130°	280.5	279.6	278.7	277.6	276.9	276.2	275.4	274.6	276.8	278.8	281.0
132.5°	261.0	260.8	260.9	260.8	261.1	261.2	261.5	261.6	264.0	266.5	268.9
135°	250.1	250.5	251.1	251.7	252.4	253.0	253.8	254.4	256.8	259.0	261.5
137.5°	245.6	246.1	246.8	247.6	248.5	249.3	250.4	251.2	253.1	254.9	256.7
140°	244.3	244.7	245.3	246.0	246.7	247.4	248.3	249.0	250.6	252.0	253.5
142.5°	243.4	243.7	244.3	245.0	245.7	246.2	247.1	247.6	248.9	250.0	251.1
145°	244.8	245.1	245.6	246.0	246.6	247.1	247.6	248.2	249.0	249.7	250.4
147.5°	244.4	244.6	245.0	245.2	245.7	246.0	246.4	246.8	247.4	247.8	248.4
150°	242.8	242.9	243.2	243.2	243.5	243.8	244.1	244.4	244.8	245.2	245.7
152.5°	239.3	239.4	239.5	239.5	239.8	240.0	240.2	240.4	240.9	241.2	241.7
155°	236.4	236.7	237.0	237.2	237.6	237.7	238.0	238.3	238.6	238.9	239.3
157.5°	235.2	235.3	235.7	235.8	236.2	236.4	236.7	236.9	237.2	237.5	237.8
160°	233.7	234.1	234.4	234.8	235.3	235.5	235.9	236.2	236.5	236.8	237.0
162.5°	234.5	234.7	235.0	235.2	235.4	235.8	236.0	236.2	236.7	237.0	237.4
165°	234.5	234.9	235.3	235.6	236.1	236.5	236.8	237.1	237.4	237.7	237.8
167.5°	236.3	236.5	237.0	237.4	237.8	238.0	238.4	238.7	239.0	239.1	239.4
170°	237.0	237.4	237.7	238.0	238.4	238.6	238.9	239.2	239.5	239.8	240.2
172.5°	239.4	239.6	239.9	240.1	240.3	240.6	240.9	241.1	241.3	241.6	241.8
175°	241.2	241.2	241.3	241.4	241.5	241.5	241.5	241.7	241.8	241.9	241.9
177.5°	241.9	242.1	242.2	242.3	242.4	242.6	242.7	242.7	242.7	242.7	242.7
180°	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5



TEST NUMBER: P1444660
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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°	45.4	46.3	50.1	51.0	55.4	56.9	58.6	56.9	58.6	57.0	58.5
92.5°	41.6	44.6	47.4	50.3	53.1	56.1	53.3	50.7	48.0	45.5	42.8
95°	56.4	60.5	64.7	68.9	73.0	77.2	72.7	68.4	63.9	59.4	54.9
97.5°	66.1	70.7	75.1	79.6	84.1	88.6	83.3	78.1	72.7	67.5	62.3
100°	93.2	101.9	110.6	119.1	127.9	136.5	126.8	116.9	107.1	97.2	87.4
102.5°	186.8	206.7	226.5	246.3	266.1	286.0	265.1	244.4	223.5	202.6	181.7
105°	348.0	379.8	411.5	443.3	475.1	506.9	473.1	439.2	405.4	371.7	337.7
107.5°	512.6	543.5	574.6	605.4	636.5	667.5	633.2	598.9	564.7	530.4	496.1
110°	607.2	625.8	644.5	663.3	681.8	700.5	675.6	650.5	625.6	600.4	575.5



TEST NUMBER: P1444660
 CATALOG NUMBER: EHBR1-24-UNV-TA-L930-UPL18

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	625.7	635.0	644.4	653.8	663.2	672.6	654.7	637.0	619.1	601.3	583.3
115°	587.6	590.6	593.8	596.8	599.8	602.9	590.9	578.9	566.9	555.0	542.8
117.5°	517.3	516.9	516.3	516.1	515.6	515.3	508.6	501.9	495.2	488.5	481.7
120°	446.1	443.9	441.5	439.2	436.7	434.3	431.6	428.8	426.0	423.2	420.3
122.5°	384.3	382.9	381.3	379.7	378.0	376.3	375.3	374.5	373.3	372.3	371.2
125°	335.9	336.0	336.0	336.1	336.1	336.1	335.7	335.2	334.7	334.4	333.8
127.5°	303.0	304.3	305.5	306.6	307.8	309.0	309.0	309.0	309.0	309.0	308.9
130°	283.0	285.1	287.1	289.1	291.0	293.2	292.8	292.7	292.5	292.3	292.0
132.5°	271.2	273.6	275.9	278.3	280.5	282.8	282.5	282.3	281.9	281.7	281.3
135°	263.6	265.8	268.0	270.4	272.4	274.6	274.1	273.8	273.3	273.0	272.6
137.5°	258.5	260.4	262.1	264.0	265.6	267.3	266.9	266.5	266.0	265.7	265.3
140°	254.9	256.4	257.7	259.2	260.6	262.0	261.5	260.8	260.3	259.7	259.1
142.5°	252.2	253.4	254.3	255.4	256.4	257.5	256.6	255.8	255.0	254.2	253.4
145°	251.2	252.0	252.6	253.4	254.0	254.7	253.6	252.7	251.6	250.7	249.7
147.5°	248.8	249.3	249.6	250.2	250.5	251.0	250.0	249.1	248.1	247.1	246.1
150°	246.0	246.6	246.8	247.2	247.6	248.0	246.8	245.9	244.8	243.7	242.8
152.5°	242.0	242.5	242.7	243.1	243.4	243.7	242.6	241.9	240.7	239.7	238.7
155°	239.4	239.7	239.9	240.2	240.3	240.4	239.5	238.9	237.9	237.1	236.2
157.5°	237.9	238.2	238.5	238.6	238.7	238.9	238.3	237.8	237.0	236.4	235.7
160°	237.2	237.5	237.7	237.8	238.0	238.1	237.6	237.1	236.6	236.0	235.4
162.5°	237.6	238.0	238.3	238.6	238.8	239.1	238.4	237.8	237.2	236.5	235.9
165°	238.1	238.3	238.5	238.7	238.7	239.0	238.6	238.1	237.7	237.3	236.8
167.5°	239.5	239.8	240.0	240.2	240.3	240.4	240.0	239.7	239.2	238.7	238.3
170°	240.3	240.6	241.0	241.1	241.3	241.5	241.1	240.9	240.4	240.2	239.7
172.5°	242.0	242.3	242.4	242.7	242.7	243.0	242.6	242.2	241.9	241.5	241.1
175°	241.9	241.9	242.1	242.1	242.1	242.2	241.9	241.6	241.3	241.0	240.7
177.5°	242.7	242.7	242.7	242.7	242.7	242.7	242.5	242.2	242.0	241.9	241.5
180°	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5



TEST NUMBER: P1444660
 CATALOG NUMBER: EHBR1-24-UNV-TA-L930-UPL18

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°	57.0	58.9	57.3	59.3	58.6	61.2	61.0	63.6	63.0	65.2	64.1
92.5°	40.2	37.5	35.0	32.3	30.9	29.4	28.5	26.8	25.7	24.1	22.9
95°	50.4	46.0	41.5	37.1	35.6	34.0	32.4	30.9	29.3	27.8	26.3
97.5°	57.0	51.7	46.4	41.2	39.8	38.5	37.2	35.8	34.5	33.2	31.9
100°	77.5	67.7	57.9	48.0	46.9	45.8	44.6	43.6	42.4	41.3	40.2
102.5°	160.9	139.9	119.1	98.1	94.2	90.2	86.3	82.3	78.2	74.3	70.4
105°	304.0	270.1	236.2	202.3	191.5	180.7	170.0	159.2	148.5	137.7	127.0
107.5°	461.8	427.4	393.0	358.6	338.8	318.9	299.0	279.0	259.2	239.3	219.3
110°	550.5	525.3	500.2	475.1	459.2	443.2	427.1	411.1	395.2	379.1	363.1



TEST NUMBER: P1444660
 CATALOG NUMBER: EHBR1-24-UNV-TA-L930-UPL18

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	565.4	547.5	529.6	511.5	504.4	497.1	489.9	482.6	475.3	467.9	460.7
115°	530.8	518.7	506.6	494.3	491.9	489.4	486.8	484.2	481.7	479.1	476.4
117.5°	475.1	468.3	461.5	454.7	455.1	455.6	456.1	456.5	456.8	457.2	457.5
120°	417.4	414.6	411.7	408.9	411.2	413.4	415.6	417.7	419.9	422.0	424.0
122.5°	370.3	369.1	368.1	366.9	369.6	372.5	375.1	377.7	380.3	382.7	385.2
125°	333.4	332.8	332.3	331.7	334.5	337.3	340.0	342.6	345.2	347.6	350.1
127.5°	308.9	308.8	308.8	308.6	310.7	312.5	314.6	316.4	318.2	319.8	321.5
130°	291.8	291.6	291.4	291.1	292.9	294.7	296.6	298.2	299.9	301.3	302.8
132.5°	281.1	280.7	280.4	280.1	281.5	282.8	284.1	285.2	286.4	287.3	288.3
135°	272.3	271.7	271.4	270.9	272.2	273.5	274.6	275.6	276.8	277.6	278.5
137.5°	264.9	264.4	264.0	263.5	264.7	265.7	266.8	267.8	268.7	269.6	270.3
140°	258.6	258.0	257.5	256.8	257.9	258.9	259.9	260.7	261.5	262.1	262.8
142.5°	252.5	251.6	250.9	250.0	250.8	251.4	252.2	252.7	253.4	253.8	254.2
145°	248.7	247.6	246.7	245.7	246.2	246.8	247.3	247.9	248.2	248.5	248.9
147.5°	245.2	244.2	243.2	242.1	242.7	243.0	243.4	243.6	244.1	244.3	244.5
150°	241.7	240.5	239.5	238.4	238.7	239.0	239.4	239.6	239.9	240.0	240.3
152.5°	237.7	236.6	235.6	234.5	234.7	235.0	235.2	235.3	235.5	235.6	235.7
155°	235.4	234.5	233.6	232.6	232.9	232.9	233.1	233.3	233.3	233.3	233.5
157.5°	235.0	234.2	233.6	232.8	232.8	232.8	232.8	232.6	232.7	232.6	232.5
160°	234.9	234.2	233.6	232.9	232.8	232.8	232.9	232.7	232.6	232.4	232.4
162.5°	235.2	234.5	233.7	232.9	232.9	232.9	232.9	232.7	232.7	232.5	232.4
165°	236.3	235.8	235.3	234.5	234.5	234.4	234.3	234.0	233.8	233.6	233.4
167.5°	237.8	237.2	236.7	236.0	236.1	236.1	236.0	235.9	235.9	235.7	235.6
170°	239.4	238.8	238.5	237.9	237.8	237.8	237.7	237.5	237.3	237.1	237.0
172.5°	240.6	240.2	239.8	239.2	239.2	239.1	239.0	238.9	238.6	238.6	238.5
175°	240.3	240.0	239.4	239.2	239.1	239.1	239.0	238.9	238.7	238.7	238.6
177.5°	241.3	241.1	240.8	240.6	240.5	240.5	240.4	240.3	240.3	240.3	240.3
180°	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5



TEST NUMBER: P1444660
 CATALOG NUMBER: EHBR1-24-UNV-TA-L930-UPL18

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°	66.1	64.7
92.5°	21.7	20.6
95°	24.8	23.3
97.5°	30.6	29.2
100°	39.1	38.0
102.5°	66.4	62.5
105°	116.2	105.4
107.5°	199.4	179.6
110°	347.0	331.0



TEST NUMBER: P1444660
CATALOG NUMBER: EHBR1-24-UNV-TA-L930-UPL18

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	453.3	446.0
115°	473.6	471.0
117.5°	457.8	458.0
120°	425.9	427.9
122.5°	387.6	389.9
125°	352.4	354.9
127.5°	323.0	324.5
130°	303.9	305.3
132.5°	289.1	289.8
135°	279.1	279.7
137.5°	270.7	271.4
140°	263.2	263.7
142.5°	254.5	254.9
145°	249.2	249.3
147.5°	244.4	244.5
150°	240.3	240.3
152.5°	235.7	235.8
155°	233.4	233.3
157.5°	232.2	232.1
160°	232.1	232.0
162.5°	232.1	232.0
165°	233.0	232.8
167.5°	235.3	235.3
170°	236.7	236.6
172.5°	238.3	238.1
175°	238.5	238.5
177.5°	240.3	240.1
180°	241.5	241.5

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

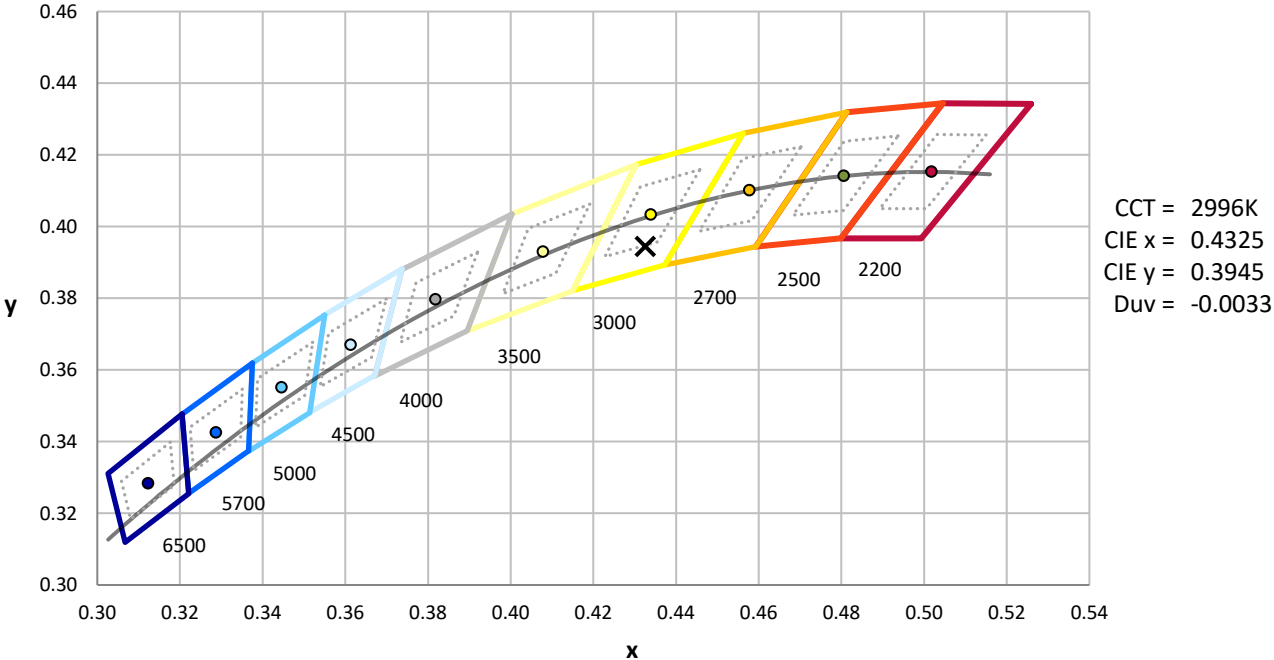
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208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

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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			

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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

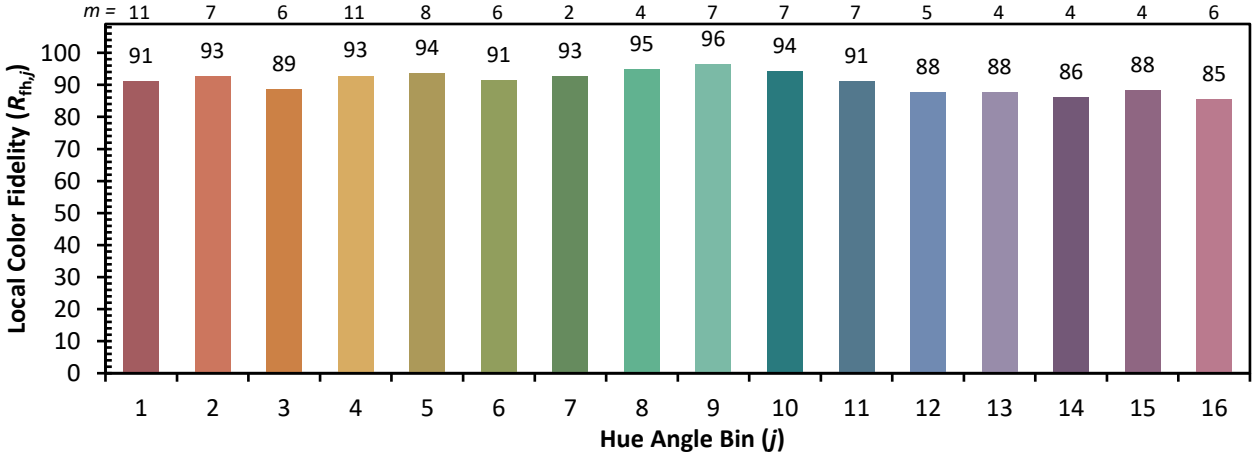


Individual Sample Fidelity Index ($R_{f,i}$)

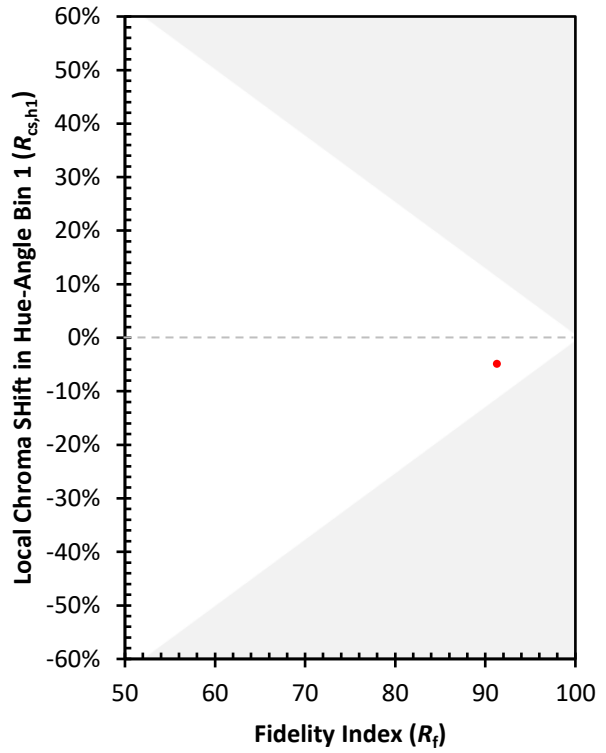
CES01 = 86	CES26 = 91	CES51 = 96	CES76 = 89
CES02 = 63	CES27 = 96	CES52 = 95	CES77 = 85
CES03 = 32	CES28 = 96	CES53 = 93	CES78 = 86
CES04 = 70	CES29 = 90	CES54 = 98	CES79 = 89
CES05 = 51	CES30 = 96	CES55 = 98	CES80 = 91
CES06 = 51	CES31 = 90	CES56 = 95	CES81 = 72
CES07 = 44	CES32 = 84	CES57 = 95	CES82 = 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)