

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: P1444374

Luminaire Tested: EHBR1-18-UNV-TA-L840-UPL30

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444374
REPORT IS A COMBINATION OF REPORTS P1444337 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-18-UNV-TA-L840-UPL30
Description: Elevate Round Highbay at, 18000 lumens, 4000K 80CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

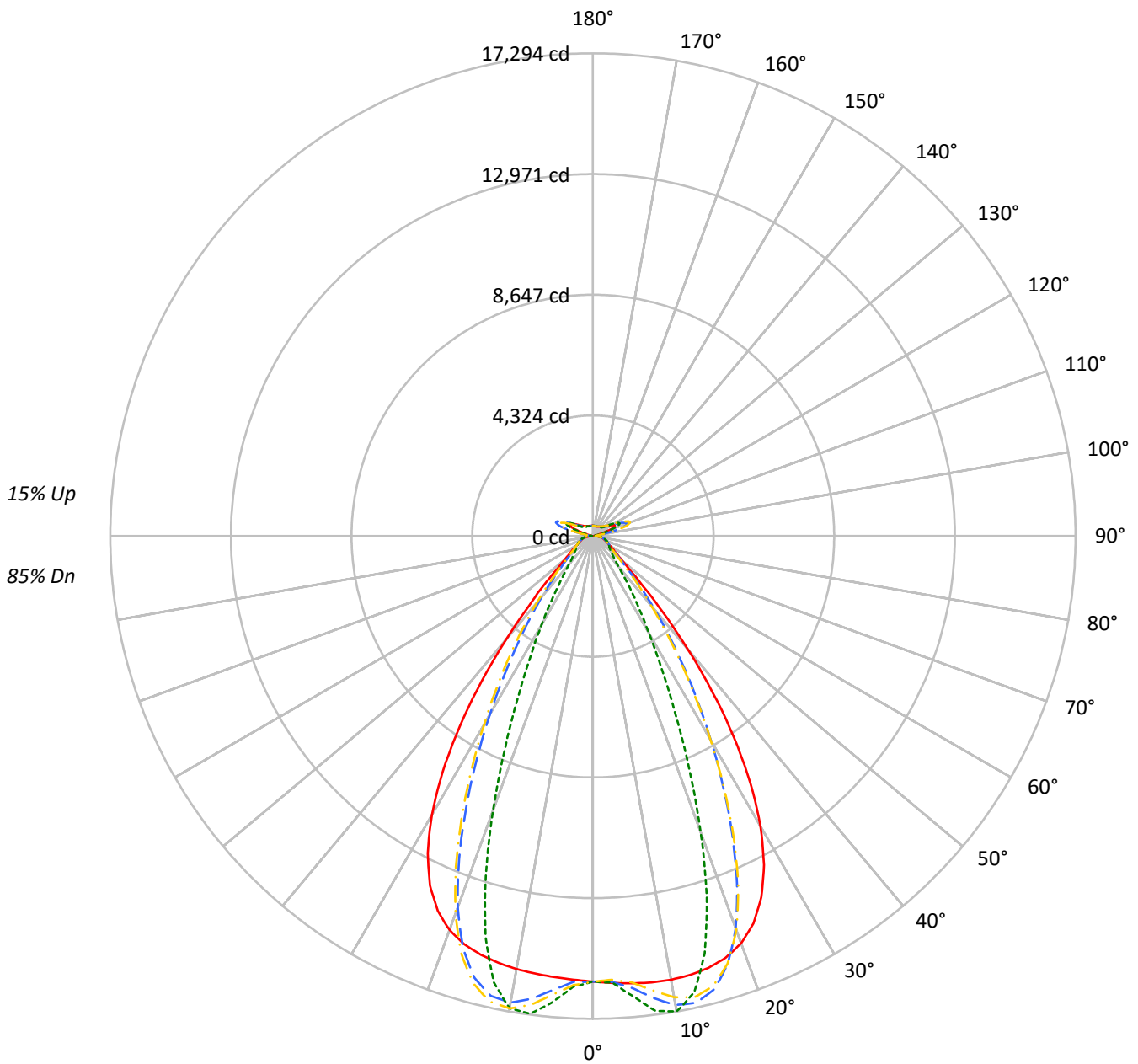
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21559.3 lumens
Efficiency: N/A
Efficacy: 184.7 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: Semi-Direct

Input Watts (W): 116.7
Input Voltage (V): NR
Input Current (A_{in}): 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	116	116	116	116	111	111	111	111	103	103	103	95	95	95	88	88	88	88	88	88	85
1	108	105	102	99	104	101	98	96	94	92	90	88	86	85	82	81	80	80	80	80	77
2	101	95	90	86	98	92	88	84	87	83	80	81	79	76	76	74	72	72	72	72	70
3	95	87	81	77	92	85	79	75	80	75	72	75	72	69	71	68	66	66	66	66	64
4	89	80	74	69	86	78	72	67	74	69	65	70	66	63	67	63	61	61	61	61	58
5	84	74	67	62	81	72	66	61	69	63	59	65	61	58	62	59	56	56	56	56	54
6	79	69	62	57	76	67	61	56	64	59	55	61	57	53	58	55	52	52	52	52	50
7	74	64	57	52	72	62	56	52	60	54	50	57	53	49	55	51	48	48	48	48	46
8	70	60	53	48	68	58	52	48	56	51	47	54	49	46	52	48	45	45	45	45	43
9	67	56	49	45	65	55	49	44	53	47	44	51	46	43	49	45	42	42	42	42	40
10	63	52	46	42	61	51	45	41	50	44	41	48	43	40	46	42	39	39	39	39	38

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	74966	74966	74966	74966
5°	75329	77525	74275	78541
10°	75958	81396	74136	80858
15°	76330	73785	74007	70814
20°	75542	54967	73069	50858
25°	71503	34764	69140	31542
30°	62463	20890	60044	19092
35°	48072	13109	45307	11612
40°	30410	8223	27822	7727
45°	15673	6406	15414	6301
50°	9189	5698	8907	5609
55°	7040	5391	6780	5342
60°	5957	5507	5703	5435
65°	5595	5751	5380	5555
70°	5467	6022	5195	5795
75°	5844	6387	5529	6104
80°	6047	7071	5484	6455
85°	5694	6823	4603	5842

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 23986 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1573.2	7.3
10°-20°	4425.7	20.5
20°-30°	5040.5	23.4
30°-40°	3622.9	16.8
40°-50°	1670.9	7.8
50°-60°	799.6	3.7
60°-70°	583.4	2.7
70°-80°	443.2	2.1
80°-90°	207.0	1.0
90°-100°	87.5	0.4
100°-110°	541.2	2.5
110°-120°	1000.5	4.6
120°-130°	602.2	2.8
130°-140°	374.2	1.7
140°-150°	267.3	1.2
150°-160°	179.6	0.8
160°-170°	105.0	0.5
170°-180°	35.3	0.2
0°-30°	11039.5	51.2
0°-40°	14662.3	68.0
0°-60°	17132.8	79.5
0°-90°	18366.5	85.2
90°-120°	1629.2	7.6
90°-150°	2872.9	13.3
90°-180°	3193.0	14.8
0°-180°	21559.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	15964	15964	15964	15964	15964	
5°	16084	16553	15859	16770	16084	1537
15°	16014	15480	15526	14856	16014	4512
25°	14279	6942	13807	6299	14279	6473
35°	8823	2406	8316	2131	8823	5415
45°	2536	1036	2494	1019	2536	2157
55°	951	728	916	722	951	878
65°	584	600	562	580	584	583
75°	412	450	390	430	412	428
85°	196	234	158	201	196	184
90°	66	81	29	32	66	39
95°	40	45	40	46	40	39
105°	191	250	126	250	191	255
115°	869	1062	910	1062	869	801
125°	639	684	726	685	639	582
135°	484	442	522	443	484	378
145°	414	413	442	415	414	262
155°	375	382	402	384	375	175
165°	363	367	378	368	363	103
175°	366	371	373	371	366	35
180°	370	370	370	370	370	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5
2.5°	16024.5	16023.2	16023.0	16021.9	16021.6	16021.6	16021.0	16019.7	16018.9	16017.1	16015.0
5°	16084.0	16083.3	16083.7	16083.8	16082.7	16080.2	16076.3	16071.5	16065.5	16059.7	16054.7
7.5°	16130.0	16131.1	16132.5	16132.2	16128.7	16122.8	16114.8	16110.4	16113.0	16121.7	16141.6
10°	16138.3	16145.2	16147.8	16147.0	16140.1	16135.0	16137.0	16153.9	16187.6	16232.5	16293.9
12.5°	16105.7	16114.0	16113.7	16111.0	16104.2	16111.1	16135.6	16185.9	16258.1	16346.7	16450.5
15°	16013.7	16024.6	16021.6	16018.0	16013.4	16036.0	16085.0	16172.4	16283.8	16408.8	16536.6
17.5°	15835.3	15848.6	15842.1	15838.1	15834.2	15876.5	15960.6	16088.6	16229.0	16370.3	16491.4
20°	15526.0	15534.8	15519.5	15512.4	15518.4	15601.3	15725.1	15888.5	16036.5	16170.1	16253.0
22.5°	15021.0	15032.0	15003.4	15000.1	15035.3	15162.4	15319.1	15502.0	15641.0	15746.9	15778.7
25°	14279.1	14289.9	14256.0	14276.2	14336.2	14509.3	14696.0	14891.5	15010.1	15088.6	15066.9
27.5°	13277.7	13287.5	13255.3	13296.8	13391.6	13619.2	13838.7	14050.8	14156.6	14211.6	14141.9
30°	12014.8	12035.2	11997.1	12054.9	12199.7	12495.2	12746.7	12984.5	13090.0	13131.8	13023.5
32.5°	10514.8	10543.8	10501.9	10587.8	10789.8	11144.7	11430.6	11696.3	11812.9	11860.7	11738.2
35°	8822.9	8864.6	8816.5	8945.6	9194.7	9589.8	9906.4	10203.1	10341.1	10408.8	10285.5
37.5°	7030.5	7070.3	7044.2	7216.5	7490.0	7899.6	8222.6	8542.7	8698.7	8800.3	8703.0
40°	5270.8	5307.1	5326.8	5523.8	5781.1	6167.1	6477.5	6794.1	6968.6	7096.1	7036.1
42.5°	3720.2	3756.8	3823.7	4013.8	4228.3	4547.9	4813.7	5098.1	5264.8	5400.8	5377.6
45°	2535.9	2578.5	2662.3	2817.9	2973.1	3202.5	3397.6	3618.8	3754.9	3879.5	3880.9
47.5°	1777.1	1806.9	1881.9	1988.1	2089.3	2376.3	2388.1	2496.8	2588.3	2681.4	2693.5
50°	1369.5	1387.6	1427.3	1486.6	1543.9	1618.3	1686.5	1765.3	1821.6	1872.7	1884.9
52.5°	1125.6	1137.1	1157.3	1189.4	1222.7	1263.2	1299.7	1343.0	1373.6	1400.9	1406.6
55°	951.4	960.9	990.9	997.1	1035.1	1042.4	1058.6	1085.0	1102.8	1119.2	1123.2
57.5°	819.9	826.8	833.1	846.8	858.6	875.5	889.2	908.1	919.4	931.2	932.2
60°	716.1	721.0	725.7	735.1	743.1	754.9	764.4	777.2	785.3	794.2	795.2
62.5°	638.9	642.4	645.5	651.7	657.5	666.5	674.0	684.7	692.3	699.1	700.6
65°	584.0	586.6	588.5	593.3	598.2	606.0	612.8	621.5	627.1	632.3	633.5
67.5°	535.4	537.9	539.8	544.2	547.6	553.4	558.0	564.5	568.7	572.9	573.0
70°	479.7	481.9	483.5	487.5	490.3	495.2	499.0	504.8	509.1	513.8	515.0
72.5°	441.0	442.4	444.5	448.2	452.0	457.3	462.2	468.4	473.5	478.4	480.5
75°	411.7	413.3	414.7	417.8	420.5	425.0	428.6	434.3	438.7	444.0	446.5
77.5°	369.4	371.2	372.3	375.5	377.8	382.1	384.8	389.9	393.5	398.3	400.6
80°	318.1	319.9	320.8	323.7	325.5	329.4	332.2	337.0	340.0	344.8	347.6
82.5°	261.4	263.0	263.6	266.4	267.4	270.6	272.5	277.6	281.3	287.5	291.7
85°	195.7	196.4	197.3	196.6	200.6	200.8	205.3	206.1	212.0	213.6	220.4
87.5°	119.7	121.5	122.4	125.1	126.2	129.0	129.8	132.7	134.3	137.6	139.1
90°	66.5	70.3	72.3	76.6	78.5	82.5	84.4	88.6	90.6	95.0	98.3
92.5°	35.1	37.5	40.1	42.7	45.2	47.9	50.7	53.2	55.8	58.5	63.5
95°	40.4	43.2	46.0	48.9	51.8	54.6	57.4	60.3	63.2	66.0	74.3
97.5°	50.9	53.4	55.8	58.3	60.7	63.3	65.7	68.2	70.6	73.2	83.0
100°	66.8	68.9	70.9	73.1	75.2	77.2	79.3	81.4	83.4	85.6	103.9
102.5°	111.8	119.2	126.6	134.0	141.5	148.7	156.3	163.6	171.0	178.4	217.4
105°	191.3	211.4	231.6	251.6	271.7	291.9	312.0	332.1	352.1	372.2	435.7
107.5°	328.9	366.1	403.3	440.5	477.8	515.0	552.2	589.4	626.6	663.7	728.1
110°	610.6	640.5	670.6	700.4	730.5	760.5	790.5	820.2	850.3	880.2	927.2



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	824.2	837.8	851.3	865.0	878.5	892.2	905.7	919.3	932.8	946.3	980.0
115°	868.6	873.5	878.3	883.1	888.0	892.8	897.6	902.3	907.2	911.8	934.7
117.5°	841.7	840.9	840.3	839.6	838.8	838.1	837.4	836.6	835.8	834.9	847.9
120°	782.5	778.4	774.6	770.5	766.5	762.4	758.5	754.4	750.4	746.2	751.8
122.5°	708.2	703.4	698.7	693.8	688.9	684.1	679.3	674.2	669.4	664.5	666.7
125°	639.1	634.3	629.6	624.7	619.8	614.8	609.9	605.0	600.1	595.1	596.4
127.5°	578.9	575.6	572.3	568.8	565.4	561.9	558.5	554.9	551.5	547.9	548.5
130°	539.1	536.2	533.2	530.1	527.2	524.0	520.8	517.7	514.6	511.4	512.3
132.5°	506.2	504.3	502.3	500.2	498.0	495.8	493.7	491.3	489.2	486.8	487.9
135°	483.7	481.8	480.1	478.2	476.2	474.0	472.0	469.9	467.8	465.7	466.9
137.5°	464.3	462.8	461.2	459.3	457.6	455.6	453.8	451.7	449.9	447.9	449.1
140°	446.6	445.2	443.8	442.0	440.5	438.9	437.2	435.4	433.7	431.9	433.4
142.5°	427.0	425.8	424.8	423.6	422.5	421.1	419.7	418.3	417.1	415.6	417.5
145°	413.9	413.0	412.2	411.2	410.1	409.0	407.9	406.6	405.7	404.5	406.4
147.5°	402.3	401.6	400.9	400.2	399.5	398.5	397.5	396.6	395.8	394.8	396.7
150°	392.2	391.5	390.9	390.3	389.4	388.6	387.7	386.9	386.0	385.0	387.0
152.5°	381.7	381.0	380.4	379.8	379.0	378.1	377.4	376.6	375.8	374.8	376.6
155°	374.9	374.2	373.5	372.9	372.2	371.4	370.6	369.9	369.1	368.2	369.6
157.5°	370.1	369.6	369.1	368.5	368.1	367.6	367.0	366.4	365.9	365.3	366.3
160°	367.3	366.8	366.3	365.7	365.2	364.7	364.1	363.5	363.0	362.4	363.2
162.5°	364.5	363.8	363.3	362.8	362.3	361.8	361.3	360.8	360.3	359.7	360.7
165°	363.1	362.9	362.6	362.3	362.0	361.7	361.4	361.1	360.8	360.4	361.1
167.5°	365.4	364.9	364.5	363.9	363.5	363.1	362.6	362.1	361.8	361.2	361.9
170°	365.5	365.2	365.0	364.8	364.6	364.3	364.1	363.8	363.6	363.4	364.0
172.5°	366.8	366.5	366.4	366.3	366.1	365.9	365.8	365.6	365.5	365.2	366.0
175°	366.1	365.9	365.8	365.7	365.6	365.5	365.4	365.3	365.3	365.1	365.6
177.5°	368.4	368.3	368.3	368.3	368.3	368.2	368.2	368.1	368.0	368.0	368.3
180°	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5



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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°	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5
2.5°	16013.4	16011.5	16008.9	16005.5	16002.5	15999.2	15991.2	15988.8	15991.5	15993.3	15997.0
5°	16051.5	16052.6	16053.1	16060.4	16066.6	16082.2	16205.0	16253.9	16291.6	16315.6	16352.0
7.5°	16166.2	16203.1	16239.7	16288.8	16331.1	16388.3	16603.2	16694.7	16759.7	16806.4	16863.9
10°	16360.6	16441.3	16516.7	16605.3	16681.4	16768.5	16968.6	17057.6	17113.9	17154.8	17193.1
12.5°	16556.5	16668.2	16769.2	16867.8	16950.1	17025.7	17096.0	17127.2	17129.8	17131.1	17110.8
15°	16658.5	16765.3	16854.2	16919.4	16967.8	16989.2	16868.2	16804.6	16724.3	16658.2	16549.3
17.5°	16594.1	16658.2	16696.6	16692.8	16672.8	16605.8	16262.9	16074.2	15886.8	15718.1	15496.7
20°	16308.0	16303.0	16269.6	16174.9	16060.8	15883.3	15295.1	14955.9	14627.8	14339.7	13990.2
22.5°	15775.5	15691.8	15574.9	15370.7	15143.9	14833.7	13991.0	13491.8	13035.2	12631.8	12179.8
25°	15004.1	14831.8	14616.4	14292.1	13939.5	13487.3	12448.5	11827.8	11279.4	10803.9	10282.4
27.5°	14016.8	13757.2	13441.5	12992.8	12515.1	11935.8	10784.1	10099.0	9510.4	9000.6	8445.5
30°	12848.0	12510.4	12102.8	11545.8	10969.6	10312.5	9144.5	8450.6	7854.8	7330.3	6774.8
32.5°	11527.1	11131.7	10654.0	10029.0	9405.8	8730.2	7602.2	6930.5	6361.3	5856.7	5354.1
35°	10070.3	9646.2	9140.8	8503.2	7883.9	7227.1	6192.0	5586.4	5083.7	4637.8	4231.8
37.5°	8507.6	8091.2	7610.9	7009.9	6435.6	5840.4	4947.3	4439.8	4018.0	3647.8	3334.4
40°	6882.8	6518.4	6102.8	5583.3	5093.1	4597.4	3864.4	3461.5	3128.6	2846.3	2611.5
42.5°	5277.9	4995.6	4676.8	4266.3	3891.2	3513.7	2949.5	2651.0	2404.4	2201.2	2035.2
45°	3829.4	3640.4	3426.7	3141.2	2881.7	2618.5	2216.9	2007.1	1846.6	1715.5	1604.7
47.5°	2676.9	2567.3	2560.6	2296.9	2106.6	1945.6	1686.8	1554.4	1456.0	1376.6	1306.5
50°	1879.9	1826.9	1761.0	1666.9	1578.6	1487.6	1330.0	1249.8	1192.2	1144.1	1099.8
52.5°	1405.3	1377.9	1342.8	1292.8	1245.0	1193.7	1094.1	1043.0	1024.9	980.1	945.0
55°	1122.5	1106.7	1086.8	1057.4	1028.3	1016.7	931.2	893.3	869.4	851.7	832.7
57.5°	932.4	920.6	908.8	888.9	872.1	851.7	806.3	786.8	772.6	762.2	749.1
60°	795.3	788.3	781.7	770.0	760.9	749.9	721.0	710.1	702.7	696.4	688.0
62.5°	702.0	698.3	694.9	688.7	684.1	678.1	658.4	653.1	649.4	646.3	641.2
65°	634.6	631.9	630.1	626.0	623.7	620.1	603.2	599.6	597.3	596.2	593.3
67.5°	573.3	570.6	569.4	566.5	565.4	563.3	549.4	547.5	546.7	547.1	546.0
70°	516.1	515.0	515.5	515.1	516.4	516.8	508.4	508.3	509.2	511.0	511.2
72.5°	481.8	481.8	482.4	482.7	483.9	484.5	477.6	477.3	477.7	479.0	479.0
75°	449.1	449.6	451.4	452.0	453.4	453.7	444.6	443.5	443.6	444.8	444.4
77.5°	403.9	405.8	409.3	411.0	413.9	414.4	404.0	402.8	402.8	404.1	403.0
80°	352.6	356.4	361.7	365.5	369.8	371.6	360.9	358.4	356.1	355.7	353.6
82.5°	298.2	302.7	309.2	312.5	317.1	318.2	300.4	297.0	295.0	295.2	293.3
85°	227.6	231.1	236.9	238.8	241.7	241.5	221.1	212.4	214.7	211.1	213.9
87.5°	142.8	144.8	148.4	148.9	150.2	149.9	129.6	125.5	124.3	124.4	122.9
90°	103.8	107.6	113.0	115.3	119.7	121.7	107.4	107.7	104.3	103.1	99.2
92.5°	68.6	73.6	78.7	83.7	88.9	93.9	97.1	101.5	96.4	90.9	85.9
95°	82.6	90.9	99.3	107.7	116.0	124.3	132.7	141.1	133.3	125.5	117.8
97.5°	92.9	102.8	112.6	122.4	132.3	142.2	152.1	161.9	153.6	145.1	136.7
100°	122.3	140.8	159.1	177.5	195.9	214.4	232.8	251.2	235.1	218.9	202.7
102.5°	256.6	295.6	334.7	373.8	412.9	451.9	491.2	530.3	493.2	456.1	418.9
105°	499.2	562.4	625.9	689.1	752.5	815.9	879.4	942.8	883.6	824.2	764.8
107.5°	792.3	856.7	920.9	985.2	1049.5	1113.8	1178.4	1242.7	1184.9	1126.9	1069.1
110°	974.2	1021.2	1068.1	1115.0	1162.0	1209.0	1256.3	1303.3	1268.6	1233.9	1199.2



TEST NUMBER: P1444374
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL30

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	1013.6	1047.3	1080.9	1114.6	1148.1	1181.7	1215.9	1249.6	1232.4	1214.9	1197.8
115°	957.4	980.2	1002.9	1025.7	1048.6	1071.2	1094.6	1117.5	1112.0	1106.6	1101.3
117.5°	860.7	873.5	886.4	899.1	911.8	924.7	938.4	951.4	952.5	953.7	954.9
120°	757.5	763.0	768.5	774.1	779.6	785.1	791.7	797.4	802.5	807.2	812.2
122.5°	669.2	671.4	673.7	676.0	678.2	680.5	684.0	686.5	690.0	693.6	697.1
125°	597.7	599.0	600.4	601.6	602.7	604.0	606.7	608.1	608.6	609.2	609.6
127.5°	549.0	549.5	550.0	550.5	550.9	551.4	553.4	554.1	552.5	550.8	549.2
130°	513.1	513.9	514.7	515.6	516.4	517.3	519.6	520.8	517.7	514.4	511.3
132.5°	488.9	489.9	490.8	491.9	492.9	493.9	496.5	497.9	494.2	490.5	486.7
135°	468.0	469.3	470.4	471.6	472.8	474.1	477.1	478.7	475.2	471.6	468.1
137.5°	450.2	451.5	452.6	453.9	455.2	456.4	459.6	461.2	458.5	455.7	452.9
140°	434.7	436.0	437.5	438.9	440.3	441.8	445.3	447.2	445.1	443.0	440.7
142.5°	419.1	421.1	422.9	424.7	426.6	428.5	432.6	434.9	433.5	431.8	430.3
145°	408.3	410.5	412.5	414.6	416.7	418.8	423.4	425.9	425.0	424.1	423.2
147.5°	398.4	400.4	402.3	404.1	406.1	408.2	412.7	415.3	414.8	414.3	413.8
150°	388.8	390.7	392.5	394.5	396.5	398.6	403.5	406.2	405.8	405.3	404.8
152.5°	378.2	379.9	381.7	383.4	385.2	387.2	392.6	395.3	394.9	394.4	394.1
155°	370.9	372.3	373.6	375.1	376.6	378.2	383.8	386.2	386.0	385.8	385.6
157.5°	367.2	368.3	369.2	370.3	371.3	372.5	378.1	380.4	380.1	379.9	379.8
160°	364.0	365.0	365.7	366.6	367.4	368.4	373.9	376.0	375.9	375.7	375.4
162.5°	361.6	362.8	363.7	364.9	365.9	367.0	372.7	375.0	374.6	374.2	373.9
165°	361.8	362.4	363.1	363.9	364.7	365.4	370.6	372.4	372.3	372.0	371.9
167.5°	362.6	363.3	364.0	364.8	365.6	366.4	371.3	373.0	372.9	372.7	372.6
170°	364.6	365.2	365.7	366.4	367.0	367.7	371.7	373.2	372.9	372.5	372.2
172.5°	366.5	367.2	367.8	368.5	369.1	369.8	373.3	374.7	374.5	374.2	373.8
175°	366.0	366.5	367.1	367.6	368.1	368.6	371.3	372.4	372.3	372.2	372.1
177.5°	368.7	369.0	369.4	369.8	370.2	370.5	372.2	372.9	372.8	372.8	372.7
180°	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5



TEST NUMBER: P1444374
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CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5
2.5°	15997.8	16003.4	16004.3	16010.8	16010.3	16018.1	16016.9	16023.2	16019.5	16024.7	16020.3
5°	16373.5	16407.7	16425.4	16458.7	16469.2	16499.0	16507.3	16534.5	16535.6	16557.2	16552.2
7.5°	16904.8	16954.9	16984.8	17025.9	17046.8	17081.0	17096.1	17121.4	17129.6	17149.7	17151.2
10°	17222.0	17246.3	17263.4	17274.9	17285.4	17290.2	17296.0	17294.5	17296.0	17293.8	17298.7
12.5°	17097.2	17061.6	17038.1	16993.5	16967.5	16918.3	16894.1	16846.7	16829.5	16788.8	16782.9
15°	16465.3	16341.2	16253.5	16125.9	16045.7	15920.3	15846.8	15733.6	15682.0	15592.0	15568.4
17.5°	15313.5	15083.1	14904.8	14676.1	14517.4	14303.6	14169.2	13992.2	13895.3	13752.6	13703.2
20°	13698.8	13357.8	13090.4	12771.8	12543.8	12259.8	12077.8	11848.5	11715.3	11540.0	11469.0
22.5°	11803.0	11378.6	11044.5	10668.2	10393.1	10076.5	9858.5	9610.4	9465.5	9275.1	9190.8
25°	9849.1	9381.0	9009.7	8613.1	8322.4	8005.1	7787.2	7543.3	7393.3	7212.6	7128.9
27.5°	7980.3	7506.6	7147.7	6779.0	6512.3	6225.9	6029.3	5816.4	5683.4	5529.0	5450.2
30°	6331.2	5913.2	5607.8	5301.9	5080.1	4847.5	4684.1	4507.7	4391.0	4258.8	4183.7
32.5°	4987.6	4664.9	4425.8	4183.0	4001.5	3807.2	3665.9	3510.2	3404.9	3286.9	3218.9
35°	3950.0	3699.4	3508.7	3308.8	3152.8	2987.3	2862.8	2728.5	2634.0	2532.4	2473.7
37.5°	3120.9	2921.7	2764.7	2598.7	2470.5	2333.4	2287.2	2133.0	2035.1	1954.0	1897.9
40°	2449.3	2290.8	2161.0	2034.0	1929.5	1825.5	1742.0	1659.7	1596.4	1538.4	1498.4
42.5°	1912.8	1797.9	1703.1	1610.1	1533.9	1458.1	1397.6	1340.9	1298.3	1260.3	1234.5
45°	1520.6	1441.6	1375.7	1310.2	1256.4	1205.8	1165.1	1128.9	1101.3	1078.6	1062.5
47.5°	1249.1	1195.1	1148.5	1104.4	1067.9	1034.7	1007.5	998.6	969.0	949.1	941.5
50°	1061.6	1029.0	993.7	961.1	936.7	912.4	894.7	877.4	866.3	857.1	854.3
52.5°	921.6	896.7	877.0	856.3	840.3	823.0	810.8	799.3	793.2	788.4	787.8
55°	817.6	800.1	787.1	773.3	763.6	753.5	747.2	741.1	738.4	736.0	736.2
57.5°	738.8	727.2	718.7	709.7	704.5	699.6	698.0	696.5	697.3	697.7	699.0
60°	681.5	673.9	668.6	663.4	661.2	659.7	660.9	662.2	665.0	667.3	669.3
62.5°	637.5	633.1	630.5	627.8	627.5	627.7	630.0	632.3	635.9	638.4	640.4
65°	592.2	589.8	589.0	587.1	588.0	588.5	591.4	593.2	596.6	598.7	601.2
67.5°	546.5	545.9	546.5	546.5	548.0	549.4	552.1	554.1	557.1	559.0	561.0
70°	512.7	513.0	514.2	514.4	516.1	517.1	519.4	520.7	523.4	525.0	527.4
72.5°	479.9	479.4	479.7	478.9	479.5	479.2	480.5	481.2	483.4	484.6	487.6
75°	444.9	443.5	443.1	441.4	441.5	440.4	440.9	440.8	442.3	443.0	445.1
77.5°	402.7	400.2	399.0	396.3	396.2	395.2	396.3	396.9	399.6	400.9	403.3
80°	352.1	348.2	346.5	343.4	343.9	343.8	346.3	348.3	351.5	352.0	355.2
82.5°	292.7	288.7	286.9	283.8	284.5	284.5	287.0	287.4	290.1	291.3	294.8
85°	209.6	211.1	206.8	207.1	206.3	208.0	209.6	211.6	213.9	217.7	220.7
87.5°	123.4	122.9	124.4	124.5	126.6	127.8	131.3	133.2	137.0	140.0	145.5
90°	97.2	93.3	92.4	89.8	89.9	87.4	87.7	85.2	85.9	84.6	86.1
92.5°	80.3	75.2	69.6	64.5	59.0	53.9	51.3	48.9	46.3	44.0	41.4
95°	110.0	102.1	94.3	86.6	78.8	71.0	68.2	65.4	62.5	59.6	56.8
97.5°	128.3	120.1	111.7	103.3	94.9	86.6	84.7	82.7	80.9	79.0	77.1
100°	186.5	170.3	154.2	137.9	121.8	105.6	104.1	102.6	101.1	99.6	98.0
102.5°	381.9	344.9	307.8	270.7	233.7	196.6	190.1	183.6	177.2	170.7	164.3
105°	705.5	646.2	586.8	527.6	468.3	408.9	391.3	373.5	355.9	338.2	320.5
107.5°	1011.3	953.3	895.6	837.8	780.0	722.1	694.1	666.1	638.2	610.2	582.3
110°	1164.3	1129.7	1095.1	1060.3	1025.6	991.0	964.3	937.8	910.9	884.4	857.8



TEST NUMBER: P1444374
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL30

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	1180.4	1163.2	1145.8	1128.6	1111.3	1094.1	1081.1	1068.1	1055.2	1042.2	1029.2
115°	1095.9	1090.5	1085.1	1079.9	1074.6	1069.1	1068.2	1067.5	1066.5	1065.7	1064.9
117.5°	956.1	957.3	958.4	959.8	961.1	962.3	969.3	976.3	983.5	990.5	997.8
120°	817.2	822.0	827.0	832.0	837.0	842.0	851.4	860.9	870.4	879.9	889.5
122.5°	700.6	704.2	707.7	711.3	715.0	718.5	727.9	737.3	746.8	756.2	765.9
125°	610.1	610.5	611.1	611.5	612.0	612.6	620.3	628.1	636.0	643.9	651.8
127.5°	547.6	545.8	544.2	542.5	540.7	539.2	543.9	548.7	553.4	558.3	563.0
130°	508.0	504.8	501.6	498.4	495.1	492.0	493.9	496.0	498.0	500.3	502.3
132.5°	482.9	479.2	475.3	471.5	467.7	463.9	464.2	464.4	464.7	465.0	465.6
135°	464.4	460.9	457.2	453.6	449.9	446.5	445.8	445.0	444.4	443.7	443.2
137.5°	450.1	447.4	444.5	441.7	438.8	436.1	434.8	433.9	432.7	431.8	430.8
140°	438.5	436.5	434.2	432.0	429.7	427.6	426.6	425.8	424.9	424.2	423.4
142.5°	428.6	427.0	425.5	423.9	422.3	420.8	419.7	418.9	418.2	417.4	416.6
145°	422.2	421.3	420.2	419.2	418.3	417.3	416.6	416.0	415.4	414.9	414.5
147.5°	413.2	412.8	412.2	411.7	411.1	410.5	410.1	409.9	409.4	409.1	408.7
150°	404.3	403.9	403.3	402.9	402.3	401.8	401.6	401.5	401.4	401.4	401.2
152.5°	393.5	393.2	392.7	392.2	391.7	391.2	391.1	391.1	391.0	390.9	390.7
155°	385.3	385.0	384.8	384.5	384.2	384.0	383.7	383.4	383.2	382.9	382.6
157.5°	379.5	379.3	379.0	378.8	378.5	378.2	378.0	377.8	377.5	377.3	377.0
160°	375.2	375.0	374.7	374.5	374.2	374.0	373.5	373.1	372.6	372.2	371.9
162.5°	373.4	373.1	372.7	372.3	371.8	371.4	371.1	370.9	370.6	370.4	370.1
165°	371.6	371.4	371.2	370.9	370.7	370.5	370.0	369.6	369.1	368.8	368.4
167.5°	372.3	372.2	371.9	371.7	371.4	371.2	370.8	370.4	370.0	369.5	369.1
170°	371.9	371.5	371.2	370.8	370.4	370.0	369.6	369.2	368.7	368.4	368.0
172.5°	373.5	373.3	372.9	372.6	372.2	371.9	371.5	371.2	370.8	370.4	370.2
175°	372.0	372.0	371.9	371.7	371.7	371.6	371.5	371.4	371.3	371.2	371.0
177.5°	372.7	372.7	372.7	372.6	372.5	372.5	372.2	372.0	371.8	371.5	371.4
180°	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5



TEST NUMBER: P1444374
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL30

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5
2.5°	16024.9	16020.9	16022.8	16015.3	16017.1	16008.0	16007.2	15997.0	15996.0	15986.3	15982.7
5°	16567.5	16558.6	16568.7	16552.9	16556.1	16535.6	16533.9	16507.5	16498.5	16465.4	16451.1
7.5°	17163.8	17160.5	17166.6	17153.5	17153.1	17134.8	17127.3	17103.7	17089.0	17054.3	17032.2
10°	17294.5	17297.5	17292.5	17293.8	17286.7	17284.7	17277.4	17272.8	17260.9	17251.9	17238.7
12.5°	16752.0	16755.3	16734.6	16747.7	16737.3	16761.5	16759.6	16788.0	16792.5	16828.5	16842.2
15°	15498.2	15494.4	15454.7	15479.7	15466.3	15519.4	15531.3	15602.8	15641.0	15732.7	15789.1
17.5°	13604.3	13594.2	13538.3	13568.7	13553.2	13631.5	13657.8	13772.0	13843.4	13991.2	14096.6
20°	11346.7	11327.1	11261.7	11297.4	11281.4	11370.3	11407.9	11546.0	11638.0	11833.8	11973.1
22.5°	9061.0	9030.0	8966.0	8999.3	8984.2	9076.4	9125.2	9263.8	9369.2	9570.2	9732.8
25°	7008.5	6980.9	6918.9	6942.3	6936.7	7014.7	7058.1	7189.1	7292.6	7484.2	7639.3
27.5°	5345.6	5316.8	5260.8	5277.4	5271.7	5338.1	5379.1	5488.6	5577.7	5738.9	5875.2
30°	4091.2	4056.6	4009.2	4018.2	4014.4	4068.2	4106.4	4198.7	4275.0	4411.2	4528.7
32.5°	3135.9	3101.2	3057.6	3061.8	3056.1	3098.3	3129.8	3210.0	3276.5	3392.4	3494.6
35°	2399.4	2440.1	2346.9	2406.0	2344.5	2434.6	2402.2	2452.4	2509.6	2607.2	2692.4
37.5°	1844.6	1816.2	1792.3	1789.8	1789.7	1810.4	1835.2	1883.4	1933.8	2006.6	2081.7
40°	1461.7	1441.9	1426.3	1425.2	1426.3	1441.2	1459.4	1492.8	1529.7	1581.9	1637.1
42.5°	1212.3	1199.2	1189.8	1189.2	1192.1	1202.6	1215.3	1235.1	1259.1	1293.0	1330.9
45°	1049.4	1042.0	1036.7	1036.4	1037.9	1043.3	1050.6	1063.0	1078.2	1099.3	1123.2
47.5°	934.9	933.1	929.9	930.0	928.5	930.7	931.6	938.5	946.6	962.5	993.9
50°	851.6	851.6	849.4	849.2	847.1	847.0	845.2	848.0	851.7	861.6	871.6
52.5°	785.7	785.5	783.1	782.6	780.4	780.3	778.7	779.8	780.3	785.3	791.3
55°	734.2	732.7	729.5	728.5	727.7	728.9	728.4	728.4	727.8	729.8	731.6
57.5°	697.3	695.3	692.3	691.5	691.2	692.8	692.8	692.3	689.4	687.6	684.9
60°	668.2	666.1	662.8	662.0	662.5	664.6	664.5	662.7	658.6	654.9	650.8
62.5°	639.4	638.6	637.0	636.7	636.3	636.7	635.2	633.2	629.2	625.4	620.8
65°	601.0	601.4	600.1	600.3	598.7	598.5	596.3	594.5	590.4	586.8	582.2
67.5°	560.9	561.2	560.2	560.2	559.5	559.6	558.2	556.5	553.0	550.1	546.6
70°	528.0	528.8	528.2	528.4	527.4	527.1	525.0	523.3	519.7	517.3	514.1
72.5°	488.5	490.3	490.2	490.7	489.3	488.5	485.9	483.9	480.7	478.8	476.1
75°	445.9	448.2	448.9	449.9	447.9	446.8	444.1	442.3	439.7	438.6	436.9
77.5°	404.3	406.8	409.3	411.6	408.2	405.4	401.9	399.3	395.4	394.0	391.3
80°	357.6	362.1	367.5	372.0	366.2	360.2	354.5	350.2	345.2	343.2	339.8
82.5°	296.7	301.3	304.4	307.3	303.2	298.9	293.3	289.6	284.1	282.1	278.3
85°	225.4	231.2	233.0	234.5	231.9	229.6	224.4	217.3	213.9	208.6	205.7
87.5°	148.2	151.7	152.4	152.9	151.2	150.1	146.8	143.5	137.6	133.4	128.1
90°	84.2	84.7	81.5	80.6	80.2	82.0	80.3	80.8	77.6	77.5	74.8
92.5°	38.9	36.3	33.9	31.4	34.1	36.4	39.0	41.4	44.0	46.3	48.9
95°	54.0	51.1	48.2	45.4	47.7	49.9	52.3	54.5	56.8	59.0	61.3
97.5°	75.2	73.4	71.4	69.5	70.8	72.1	73.5	74.8	76.2	77.5	78.8
100°	96.5	94.9	93.4	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
102.5°	157.8	151.4	144.9	138.4	142.8	147.1	151.6	155.9	160.2	164.6	169.1
105°	302.8	285.1	267.5	249.8	266.9	284.0	301.1	318.2	335.3	352.5	369.6
107.5°	554.3	526.5	498.5	470.6	501.8	533.0	564.0	595.2	626.4	657.6	688.7
110°	831.2	804.6	778.0	751.4	784.5	817.5	850.6	883.6	916.7	949.7	983.0



TEST NUMBER: P1444374
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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°	1016.3	1003.3	990.4	977.5	998.8	1020.1	1041.3	1062.7	1084.0	1105.4	1126.5
115°	1064.1	1063.3	1062.6	1061.8	1071.9	1082.0	1091.9	1102.1	1112.2	1122.3	1132.5
117.5°	1004.9	1012.0	1019.2	1026.5	1029.7	1032.9	1036.2	1039.5	1042.8	1046.0	1049.5
120°	899.1	908.7	918.4	928.1	926.8	925.5	924.1	922.8	921.6	920.4	919.3
122.5°	775.4	785.0	794.7	804.4	801.5	798.6	795.8	793.1	790.3	787.6	785.0
125°	660.0	668.0	676.1	684.2	681.4	678.5	675.7	673.0	670.2	667.6	665.0
127.5°	568.1	573.1	578.1	583.1	581.8	580.5	579.3	578.1	576.8	575.8	574.7
130°	504.6	506.8	509.2	511.6	512.0	512.4	512.8	513.3	514.0	514.6	515.2
132.5°	466.1	466.6	467.2	467.8	469.3	470.8	472.5	474.1	475.9	477.7	479.6
135°	442.7	442.3	441.9	441.6	444.0	446.1	448.5	450.8	453.4	456.0	458.7
137.5°	429.9	429.0	428.4	427.6	429.9	432.2	434.6	437.0	439.4	442.0	444.9
140°	422.7	422.1	421.6	420.9	423.2	425.4	427.8	430.1	432.8	435.2	437.9
142.5°	416.0	415.3	414.8	414.3	416.3	418.4	420.6	422.8	425.1	427.4	429.8
145°	414.0	413.5	413.2	412.8	414.3	415.8	417.3	418.9	420.8	422.4	424.3
147.5°	408.5	408.2	408.1	407.9	409.0	410.2	411.4	412.5	413.8	415.0	416.5
150°	401.3	401.2	401.2	401.3	402.0	402.6	403.5	404.1	405.1	405.8	406.9
152.5°	390.8	390.7	390.8	390.8	391.5	392.2	393.0	393.6	394.5	395.2	396.1
155°	382.5	382.3	382.2	382.0	382.3	382.6	382.9	383.1	383.6	383.9	384.3
157.5°	376.9	376.7	376.5	376.3	376.4	376.4	376.6	376.6	376.7	376.8	377.0
160°	371.5	371.0	370.7	370.3	370.6	370.7	371.0	371.1	371.5	371.8	372.0
162.5°	369.9	369.7	369.5	369.3	369.2	368.9	368.8	368.6	368.5	368.4	368.3
165°	367.9	367.5	367.1	366.6	366.7	366.7	366.8	366.8	366.8	366.8	366.9
167.5°	368.8	368.3	368.0	367.5	367.2	366.8	366.5	366.1	365.9	365.6	365.4
170°	367.7	367.3	367.0	366.6	366.5	366.3	366.2	366.1	366.0	365.9	365.9
172.5°	369.9	369.5	369.2	368.9	368.8	368.6	368.6	368.5	368.4	368.4	368.3
175°	371.0	370.9	370.8	370.7	370.4	370.2	370.0	369.8	369.7	369.4	369.2
177.5°	371.1	370.9	370.7	370.5	370.4	370.4	370.4	370.4	370.4	370.3	370.3
180°	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5



TEST NUMBER: P1444374
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CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5
2.5°	15972.4	15968.1	15957.0	15951.7	15941.4	15936.2	15928.3	15923.1	15916.7	15911.9	15909.4
5°	16414.9	16394.4	16353.6	16328.3	16284.2	16255.0	16211.1	16178.9	16133.6	16100.2	16057.3
7.5°	16990.7	16959.3	16906.9	16867.2	16805.3	16758.0	16688.7	16633.2	16556.5	16492.8	16414.5
10°	17225.0	17206.8	17183.3	17157.6	17123.4	17089.8	17042.4	16994.2	16929.8	16865.7	16782.1
12.5°	16878.6	16895.8	16929.8	16945.7	16971.6	16980.5	16992.3	16986.7	16976.2	16950.1	16912.2
15°	15897.4	15969.2	16082.9	16161.5	16271.5	16348.8	16451.1	16517.0	16592.8	16638.2	16681.2
17.5°	14283.3	14422.3	14622.8	14782.7	14997.4	15171.9	15385.8	15553.8	15747.9	15896.7	16055.1
20°	12216.0	12410.6	12687.4	12922.4	13233.4	13497.2	13835.1	14118.2	14448.5	14723.7	15020.9
22.5°	9990.9	10219.9	10537.0	10820.4	11191.8	11523.7	11947.1	12321.4	12767.9	13167.8	13610.2
25°	7891.8	8116.2	8439.2	8732.7	9133.8	9499.2	9961.9	10391.2	10909.3	11392.4	11947.1
27.5°	6091.7	6291.1	6574.9	6839.2	7206.5	7565.3	8034.7	8492.7	9045.5	9564.6	10162.3
30°	4704.5	4866.2	5093.7	5306.2	5601.2	5894.6	6312.7	6736.2	7286.3	7824.3	8437.2
32.5°	3645.8	3783.7	3973.6	4146.2	4373.4	4594.7	4902.6	5240.9	5723.6	6238.8	6831.4
35°	2822.3	2940.2	3101.9	3250.5	3437.4	3613.0	3842.8	4084.3	4452.6	4886.1	5416.3
37.5°	2250.1	2298.2	2413.5	2535.3	2690.5	2834.9	3014.6	3193.2	3456.6	3798.7	4231.8
40°	1711.2	1787.5	1881.5	1977.3	2094.8	2210.6	2407.8	2502.7	2676.3	2921.8	3258.0
42.5°	1380.7	1434.4	1500.5	1567.2	1649.0	1729.7	1829.4	1931.0	2060.7	2227.0	2466.1
45°	1155.4	1190.4	1233.0	1277.4	1331.2	1386.3	1453.1	1522.8	1610.7	1712.9	1858.2
47.5°	1004.9	1024.2	1052.0	1082.4	1119.3	1157.3	1200.8	1245.2	1299.8	1360.4	1443.2
50°	887.4	903.6	925.2	945.4	970.9	1009.9	1027.2	1051.7	1084.5	1120.2	1166.4
52.5°	802.4	813.2	826.7	838.4	854.4	869.1	888.2	905.2	927.9	949.3	979.1
55°	736.2	740.1	747.8	755.2	766.4	776.4	789.5	800.5	815.1	827.9	846.8
57.5°	685.0	685.4	688.9	692.9	700.0	706.3	715.4	722.6	732.6	740.8	752.1
60°	648.3	646.4	647.1	648.4	652.4	656.6	662.3	667.0	673.4	678.0	684.3
62.5°	617.7	614.7	614.0	613.6	615.6	617.1	620.2	622.6	626.1	628.1	631.5
65°	579.1	575.4	574.0	572.4	573.0	572.5	573.7	573.7	575.6	576.0	578.0
67.5°	544.1	541.0	539.2	537.0	536.0	534.4	533.7	532.1	531.8	530.5	530.2
70°	512.1	509.1	507.6	505.5	504.5	502.4	501.1	498.4	496.9	494.5	493.1
72.5°	475.1	473.5	473.0	471.6	471.2	470.1	469.5	467.7	466.7	464.5	463.3
75°	436.5	435.2	435.0	433.6	433.5	432.1	431.8	429.7	428.7	426.7	425.8
77.5°	390.5	388.5	387.9	386.2	386.6	385.9	386.5	385.0	384.4	382.3	381.7
80°	338.6	336.0	335.0	332.8	333.4	332.4	333.4	333.3	334.1	332.4	332.1
82.5°	277.3	274.3	273.8	272.3	273.3	273.4	275.7	274.4	275.0	273.4	274.0
85°	201.7	199.6	196.7	196.3	194.3	196.4	193.7	195.4	192.7	194.6	192.0
87.5°	125.1	120.7	118.4	115.2	114.0	111.1	109.8	107.7	108.3	107.3	107.9
90°	75.5	73.3	75.1	74.7	77.1	77.1	80.1	80.9	84.2	85.0	88.4
92.5°	51.3	53.7	58.1	62.9	67.4	71.9	76.4	81.1	85.7	90.3	94.7
95°	63.6	65.9	71.9	78.0	84.2	90.2	96.3	102.3	108.5	114.5	120.6
97.5°	80.1	81.4	87.5	93.6	99.7	105.7	111.9	118.1	124.1	130.3	136.3
100°	91.9	92.0	109.3	126.6	143.9	161.2	178.6	195.8	213.2	230.6	247.8
102.5°	173.4	177.8	221.5	265.3	309.0	352.6	396.3	440.1	483.8	527.6	571.4
105°	386.7	403.9	470.6	537.3	603.9	670.7	737.4	804.2	870.9	937.7	1004.4
107.5°	719.9	751.2	811.5	871.8	931.9	992.3	1052.7	1112.9	1173.2	1233.5	1293.9
110°	1016.0	1049.1	1089.4	1129.8	1170.1	1210.5	1251.0	1291.3	1331.8	1372.1	1412.6



TEST NUMBER: P1444374
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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°	1147.8	1169.2	1192.7	1216.2	1239.8	1263.3	1286.8	1310.3	1333.9	1357.4	1381.0
115°	1142.7	1152.9	1161.8	1171.0	1180.0	1189.2	1198.3	1207.6	1216.8	1225.9	1235.1
117.5°	1052.7	1056.1	1057.4	1058.8	1060.2	1061.6	1063.1	1064.5	1066.0	1067.5	1068.9
120°	918.1	917.0	915.3	913.6	912.0	910.4	909.0	907.4	905.9	904.4	902.9
122.5°	782.2	779.7	778.0	776.4	775.0	773.5	772.0	770.6	769.2	767.7	766.2
125°	662.3	659.8	661.0	662.1	663.3	664.5	665.7	667.0	668.4	669.6	670.9
127.5°	573.6	572.7	575.9	579.3	582.7	586.0	589.4	592.8	596.2	599.6	603.0
130°	516.0	516.8	521.0	525.4	529.6	534.1	538.4	542.9	547.2	551.5	555.9
132.5°	481.4	483.5	487.5	491.7	495.8	500.1	504.2	508.4	512.6	516.9	520.9
135°	461.3	464.1	467.8	471.6	475.3	479.3	483.0	486.9	490.6	494.5	498.2
137.5°	447.4	450.2	453.1	456.2	459.1	462.2	465.2	468.4	471.2	474.3	477.3
140°	440.4	443.3	444.8	446.6	448.2	449.8	451.4	453.1	454.7	456.5	458.0
142.5°	432.2	434.8	435.7	436.7	437.7	438.8	439.8	440.8	441.7	442.6	443.7
145°	426.0	427.9	427.8	427.8	427.9	427.9	427.8	427.8	427.7	427.7	427.6
147.5°	417.8	419.2	418.8	418.6	418.3	418.0	417.8	417.4	417.0	416.8	416.4
150°	407.7	408.7	408.0	407.6	406.9	406.5	405.8	405.3	404.6	404.2	403.5
152.5°	396.9	397.8	397.0	396.6	395.8	395.2	394.5	394.0	393.2	392.6	392.0
155°	384.6	385.1	384.7	384.4	384.1	383.7	383.3	383.1	382.9	382.5	382.2
157.5°	377.1	377.2	377.0	376.8	376.6	376.4	376.3	376.2	376.1	376.0	376.0
160°	372.2	372.6	372.3	372.1	371.9	371.7	371.6	371.5	371.4	371.4	371.3
162.5°	368.1	368.1	367.8	367.6	367.5	367.4	367.2	367.2	367.2	367.1	367.1
165°	367.1	367.3	366.8	366.5	366.2	365.8	365.5	365.2	365.1	364.9	364.6
167.5°	365.1	364.9	364.9	365.0	365.0	365.1	365.1	365.4	365.4	365.6	365.7
170°	365.9	365.9	365.7	365.5	365.3	365.2	365.2	365.0	364.9	364.8	364.7
172.5°	368.3	368.3	367.9	367.5	367.2	366.9	366.5	366.2	365.9	365.6	365.2
175°	369.0	368.8	368.6	368.4	368.2	367.9	367.8	367.5	367.3	367.1	366.9
177.5°	370.2	370.1	370.0	370.0	370.0	369.9	369.9	369.9	369.9	369.9	369.8
180°	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5



TEST NUMBER: P1444374
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL30

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5
2.5°	15906.2	15906.0	15904.5	15905.2	15905.5	15906.6	15908.0	15909.4	15909.7	15910.8	15911.0
5°	16025.2	15985.9	15956.8	15924.7	15900.7	15879.0	15864.6	15853.1	15848.7	15849.8	15852.5
7.5°	16348.0	16266.8	16199.8	16123.5	16060.1	15992.8	15937.0	15884.0	15845.3	15816.5	15800.4
10°	16702.3	16603.3	16508.7	16398.4	16293.7	16182.1	16081.0	15979.2	15894.3	15820.6	15766.4
12.5°	16859.4	16789.5	16707.7	16603.6	16491.7	16362.9	16232.8	16093.3	15963.7	15843.2	15746.2
15°	16693.0	16693.1	16663.3	16613.4	16535.6	16432.7	16308.8	16163.4	16010.4	15854.2	15711.6
17.5°	16164.7	16264.4	16319.8	16354.9	16344.1	16306.2	16227.3	16115.6	15973.1	15806.8	15632.7
20°	15257.4	15492.5	15660.2	15810.9	15895.4	15951.5	15945.9	15900.4	15798.9	15657.5	15476.2
22.5°	13986.5	14381.1	14692.5	14982.8	15186.5	15352.1	15430.8	15464.3	15418.3	15319.7	15149.5
25°	12442.8	12979.4	13437.3	13881.6	14214.9	14501.3	14673.6	14794.9	14804.5	14753.0	14601.1
27.5°	10727.5	11360.8	11940.3	12530.9	12999.7	13411.5	13681.6	13879.5	13942.3	13934.0	13796.1
30°	9014.4	9679.2	10318.0	11006.7	11586.8	12112.8	12469.8	12737.3	12840.3	12860.1	12727.4
32.5°	7396.6	8052.1	8689.2	9409.1	10047.4	10650.4	11072.2	11389.8	11509.7	11537.9	11392.4
35°	5928.2	6533.1	7138.5	7836.2	8470.9	9095.2	9539.6	9872.3	9984.2	10003.0	9834.6
37.5°	4654.9	5170.3	5697.8	6323.8	6906.7	7493.0	7915.3	8227.9	8309.4	8304.4	8113.8
40°	3582.9	3983.5	4407.3	4922.7	5407.3	5903.1	6259.5	6517.9	6560.8	6529.0	6328.9
42.5°	2694.1	2983.4	3290.8	3675.5	4035.0	4406.0	4665.4	4857.2	4863.4	4813.2	4633.4
45°	2007.1	2289.4	2418.3	2650.9	2882.5	3129.2	3287.5	3406.1	3387.7	3343.6	3207.0
47.5°	1530.0	1638.6	1753.6	1897.9	2032.7	2312.7	2291.9	2482.3	2345.2	2438.7	2232.9
50°	1215.0	1275.7	1337.6	1414.2	1484.6	1557.9	1603.6	1637.7	1633.3	1618.6	1579.2
52.5°	1033.7	1052.5	1083.0	1126.5	1165.9	1205.5	1231.5	1252.7	1253.1	1247.1	1227.2
55°	863.9	887.7	909.7	938.2	986.6	994.1	1031.4	1023.8	1026.8	1016.4	1027.0
57.5°	761.7	775.5	787.9	804.9	818.9	835.3	844.8	854.1	853.2	851.2	841.1
60°	689.3	696.9	703.8	713.7	721.3	730.6	735.1	739.8	738.2	734.8	725.8
62.5°	633.5	638.3	642.1	648.6	653.2	659.0	661.3	663.3	661.3	658.0	650.0
65°	578.4	581.5	583.9	588.8	592.1	596.9	598.9	600.8	598.9	596.4	590.4
67.5°	528.7	529.0	528.7	530.7	531.7	534.7	535.6	536.9	534.8	532.6	527.4
70°	491.0	490.2	489.3	490.1	490.2	491.7	491.9	491.7	489.1	485.3	479.7
72.5°	461.5	461.1	460.4	461.0	461.0	462.3	461.9	461.3	458.2	454.5	448.9
75°	423.7	423.4	422.0	422.0	420.9	421.3	419.7	418.8	415.3	412.3	407.2
77.5°	379.4	378.7	376.6	375.8	373.5	372.6	369.7	368.3	364.8	362.2	358.0
80°	329.8	329.1	326.4	325.0	321.5	319.1	314.9	312.5	308.5	306.0	301.9
82.5°	272.6	272.9	270.3	268.5	263.3	259.5	253.8	250.7	246.2	243.9	239.6
85°	193.9	191.1	192.6	192.5	189.3	186.0	181.3	178.1	174.3	172.0	169.0
87.5°	106.3	107.1	106.2	105.6	103.3	101.6	98.1	96.2	93.3	92.0	89.7
90°	82.6	79.6	74.1	71.0	65.7	61.8	55.8	52.3	46.6	45.1	42.0
92.5°	89.6	84.5	79.4	74.2	69.2	64.1	58.9	53.8	48.6	46.8	45.2
95°	113.2	105.8	98.5	91.0	83.6	76.2	68.9	61.4	54.1	52.6	51.1
97.5°	127.6	119.0	110.2	101.4	92.7	83.9	75.3	66.6	57.8	56.9	55.9
100°	227.6	207.7	187.5	167.4	147.3	127.2	107.1	87.0	66.9	65.8	64.6
102.5°	522.6	473.7	425.1	376.3	327.5	278.7	230.1	181.2	132.5	125.4	118.5
105°	930.6	856.6	783.0	709.2	635.3	561.5	487.8	413.8	340.0	316.3	292.5
107.5°	1224.5	1155.0	1085.7	1016.3	946.8	877.5	808.0	738.6	669.1	627.4	585.7
110°	1357.4	1302.3	1247.3	1192.1	1137.0	1081.8	1026.8	971.6	916.5	880.4	844.5



TEST NUMBER: P1444374
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL30

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	1340.6	1300.1	1259.7	1219.2	1178.9	1138.4	1097.9	1057.3	1016.9	995.0	973.0
115°	1210.7	1186.4	1161.9	1137.4	1113.0	1088.5	1064.1	1039.6	1015.1	1003.5	991.7
117.5°	1056.4	1043.8	1031.2	1018.6	1006.0	993.3	980.6	968.0	955.3	951.2	946.9
120°	899.0	895.1	890.9	886.9	883.0	878.9	874.8	870.8	866.6	866.9	867.2
122.5°	767.5	768.7	769.9	770.9	772.2	773.2	774.5	775.4	776.6	779.4	782.3
125°	674.2	677.4	680.9	684.1	687.3	690.6	694.0	697.0	700.3	703.2	706.1
127.5°	606.8	610.4	614.2	617.8	621.6	625.3	629.0	632.6	636.3	638.8	641.4
130°	559.1	562.2	565.4	568.5	571.8	574.8	578.0	581.2	584.2	586.1	587.9
132.5°	523.9	526.6	529.4	532.1	535.0	537.7	540.6	543.2	546.2	547.4	548.8
135°	500.3	502.2	504.3	506.2	508.4	510.4	512.4	514.4	516.5	517.3	518.0
137.5°	478.9	480.5	482.1	483.6	485.3	486.8	488.6	490.3	492.0	492.1	492.4
140°	459.7	461.4	463.1	464.9	466.8	468.5	470.4	472.2	474.1	474.2	474.6
142.5°	445.0	446.3	447.6	448.9	450.3	451.7	453.1	454.7	456.1	456.3	456.5
145°	429.2	430.8	432.7	434.3	435.9	437.6	439.5	441.3	443.2	443.2	443.3
147.5°	417.8	419.2	420.8	422.2	423.7	425.1	426.7	428.3	430.0	429.9	429.9
150°	405.1	406.6	408.2	409.8	411.5	413.1	414.9	416.7	418.5	418.8	419.1
152.5°	393.7	395.4	397.1	399.0	400.9	402.7	404.7	406.6	408.5	408.7	409.1
155°	384.0	385.6	387.5	389.3	391.1	392.9	394.8	396.6	398.6	399.1	399.5
157.5°	377.5	378.9	380.6	382.2	383.8	385.4	387.3	388.9	390.6	391.0	391.3
160°	372.7	374.1	375.5	376.9	378.4	379.8	381.3	382.8	384.2	384.6	384.9
162.5°	368.4	369.8	371.3	372.5	374.0	375.4	377.0	378.4	379.8	380.1	380.5
165°	365.6	366.6	367.6	368.6	369.6	370.6	371.6	372.6	373.7	374.1	374.6
167.5°	366.6	367.2	368.0	368.8	369.6	370.3	371.2	371.9	372.8	373.2	373.7
170°	365.5	366.1	366.8	367.6	368.3	369.0	369.8	370.4	371.3	371.7	372.1
172.5°	365.7	366.1	366.6	367.0	367.5	368.0	368.5	369.0	369.5	370.1	370.6
175°	367.2	367.4	367.7	367.9	368.0	368.3	368.6	368.9	369.2	369.6	370.1
177.5°	370.0	370.2	370.4	370.6	370.8	371.0	371.2	371.4	371.7	372.3	372.8
180°	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5



TEST NUMBER: P1444374
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CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5
2.5°	15910.5	15910.3	15909.8	15909.1	15908.4	15908.8	15909.5	15911.3	15914.6	15919.2	15925.1
5°	15854.7	15857.9	15859.8	15860.0	15858.4	15857.3	15858.9	15863.3	15872.1	15886.8	15906.9
7.5°	15796.1	15800.1	15806.3	15810.9	15811.7	15810.6	15810.9	15817.8	15834.0	15862.8	15903.3
10°	15733.5	15721.6	15728.0	15739.4	15748.6	15750.2	15751.3	15759.4	15783.2	15826.8	15891.6
12.5°	15675.8	15638.2	15630.9	15641.3	15655.1	15659.6	15658.3	15661.8	15689.6	15747.3	15837.8
15°	15599.8	15529.0	15504.8	15507.5	15524.6	15530.7	15526.3	15519.4	15546.6	15616.9	15733.9
17.5°	15477.0	15362.7	15318.2	15316.3	15336.3	15341.6	15330.6	15309.4	15336.1	15423.9	15569.2
20°	15290.0	15121.5	15037.7	15024.4	15046.1	15039.8	15017.9	14985.7	15020.8	15127.5	15300.4
22.5°	14954.0	14740.5	14597.3	14551.2	14577.1	14559.9	14527.8	14486.7	14533.4	14654.7	14847.2
25°	14405.0	14158.2	13962.3	13852.4	13873.0	13842.0	13807.2	13757.3	13813.0	13952.3	14164.1
27.5°	13598.0	13312.9	13070.2	12888.2	12894.9	12854.2	12814.1	12749.5	12819.0	12983.8	13222.8
30°	12524.9	12195.1	11899.4	11652.1	11629.9	11590.5	11549.4	11464.8	11551.7	11749.0	12028.3
32.5°	11177.3	10811.1	10469.5	10156.8	10097.8	10059.2	10022.6	9925.2	10039.1	10269.1	10590.1
35°	9601.3	9211.3	8840.9	8483.7	8386.0	8347.5	8315.5	8222.1	8364.2	8614.5	8961.1
37.5°	7871.5	7473.0	7105.2	6739.0	6600.9	6548.7	6525.4	6464.3	6628.2	6875.7	7223.7
40°	6095.6	5725.1	5395.3	5071.9	4914.4	4834.5	4822.3	4811.2	4969.7	5184.4	5500.4
42.5°	4434.4	4135.4	3881.1	3633.9	3491.2	3382.1	3382.1	3415.2	3557.8	3718.8	3962.3
45°	3067.4	2866.8	2704.7	2539.6	2583.7	2366.1	2493.9	2428.4	2498.9	2602.6	2760.9
47.5°	2108.5	1999.0	1910.0	1817.7	1750.4	1686.2	1691.8	1733.3	1799.7	1861.2	1943.6
50°	1536.7	1481.0	1435.6	1387.7	1354.3	1325.9	1327.5	1345.5	1380.4	1412.8	1455.9
52.5°	1204.1	1173.4	1148.7	1122.2	1104.7	1090.6	1091.3	1100.1	1119.0	1137.4	1162.2
55°	992.6	988.8	956.7	933.0	923.9	914.5	916.2	919.6	932.4	943.3	959.7
57.5°	831.7	817.3	807.7	795.2	789.4	782.9	784.3	785.6	794.2	801.4	813.3
60°	718.2	708.0	701.2	692.7	688.8	684.7	685.6	686.4	691.9	696.6	705.1
62.5°	642.7	633.7	627.7	621.1	618.5	615.7	616.3	616.5	619.9	623.5	629.8
65°	584.9	577.7	572.7	567.1	564.3	561.3	561.6	561.6	564.5	567.1	571.9
67.5°	523.7	518.2	515.1	510.6	508.6	505.7	505.6	504.7	506.5	507.5	510.9
70°	474.6	469.1	465.0	460.7	458.3	455.7	455.8	455.8	458.0	460.3	464.4
72.5°	444.3	439.0	435.4	431.5	429.3	427.1	426.7	426.4	428.0	429.3	432.1
75°	404.1	399.9	397.7	394.2	392.4	389.9	389.5	388.3	389.1	389.3	391.4
77.5°	355.4	351.3	349.6	346.1	344.6	341.6	341.4	340.1	340.7	340.3	342.0
80°	299.8	296.1	295.2	292.3	291.6	288.9	288.5	286.9	287.4	286.2	286.7
82.5°	237.8	234.5	233.8	231.1	231.1	228.6	228.4	226.0	226.0	224.0	220.7
85°	167.5	165.1	164.1	161.8	161.1	159.2	158.2	155.9	155.1	153.6	153.1
87.5°	88.4	86.9	85.5	84.5	82.4	79.0	78.7	76.3	76.5	74.8	74.9
90°	40.6	37.6	36.4	33.7	32.2	30.0	28.8	29.7	30.9	31.9	33.2
92.5°	43.5	41.8	40.2	38.4	36.7	35.0	33.3	35.0	36.7	38.4	40.2
95°	49.5	48.0	46.5	45.0	43.5	42.0	40.5	42.0	43.5	45.0	46.5
97.5°	55.0	54.0	53.1	52.1	51.2	50.1	49.2	50.2	51.3	52.2	53.2
100°	63.5	62.4	61.1	60.0	58.9	57.7	56.6	57.8	59.0	60.1	61.2
102.5°	111.4	104.3	97.4	90.3	83.2	76.3	69.2	76.3	83.2	90.4	97.5
105°	268.8	245.2	221.4	197.7	174.0	150.1	126.4	150.1	174.0	197.7	221.5
107.5°	543.9	502.2	460.4	418.6	376.8	335.0	293.2	335.1	376.9	418.7	460.5
110°	808.4	772.4	736.4	700.3	664.2	628.2	592.1	628.3	664.3	700.4	736.6



TEST NUMBER: P1444374
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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°	951.1	929.2	907.2	885.3	863.3	841.3	819.3	841.4	863.5	885.6	907.5
115°	980.2	968.5	956.9	945.2	933.6	921.9	910.1	922.1	933.9	945.6	957.4
117.5°	942.8	938.7	934.4	930.3	926.1	921.8	917.5	921.9	926.4	930.8	935.0
120°	867.4	867.7	868.0	868.2	868.4	868.6	868.7	868.8	868.8	868.8	868.7
122.5°	785.0	787.8	790.5	793.3	796.0	798.7	801.2	798.9	796.4	794.1	791.5
125°	708.9	711.7	714.6	717.4	720.1	722.9	725.5	723.3	720.8	718.3	715.7
127.5°	643.9	646.5	648.9	651.4	653.8	656.1	658.4	656.5	654.4	652.3	650.1
130°	589.8	591.7	593.3	595.1	596.8	598.4	600.0	598.7	597.4	596.2	594.7
132.5°	549.9	551.3	552.5	553.8	554.8	556.1	556.9	556.4	555.6	554.9	553.9
135°	518.8	519.6	520.1	520.9	521.6	522.1	522.5	522.5	522.3	522.1	521.7
137.5°	492.6	492.9	493.0	493.0	493.1	493.1	492.9	493.5	493.9	494.3	494.5
140°	474.7	474.9	475.2	475.2	475.3	475.4	475.2	475.8	476.1	476.6	476.8
142.5°	456.8	457.0	457.1	457.2	457.3	457.3	457.1	457.7	458.1	458.4	458.7
145°	443.2	443.2	443.2	443.1	442.9	442.6	442.2	443.1	443.6	444.2	444.8
147.5°	429.9	429.8	429.8	429.6	429.4	429.2	428.9	429.6	430.1	430.7	431.3
150°	419.4	419.7	420.0	420.2	420.3	420.5	420.5	420.9	421.2	421.4	421.6
152.5°	409.4	409.6	409.9	410.1	410.2	410.2	410.2	410.6	411.0	411.3	411.5
155°	399.9	400.3	400.6	401.0	401.2	401.5	401.7	402.0	402.1	402.3	402.4
157.5°	391.7	392.1	392.4	392.7	392.9	393.3	393.5	393.8	394.0	394.2	394.4
160°	385.2	385.6	385.9	386.2	386.5	386.9	387.1	387.4	387.7	387.8	388.1
162.5°	380.8	381.1	381.3	381.6	381.9	382.2	382.5	382.8	383.0	383.2	383.4
165°	375.1	375.7	376.0	376.5	377.0	377.5	377.9	378.0	378.0	378.0	378.0
167.5°	374.1	374.6	374.9	375.4	375.8	376.3	376.8	376.8	376.8	376.8	376.7
170°	372.5	373.0	373.3	373.7	374.1	374.5	374.8	374.8	374.8	374.8	374.8
172.5°	371.0	371.7	372.2	372.8	373.2	373.8	374.3	374.2	373.9	373.7	373.4
175°	370.4	371.0	371.5	372.0	372.4	372.9	373.4	373.0	372.8	372.6	372.3
177.5°	373.5	374.2	374.8	375.4	376.1	376.6	377.3	376.7	376.3	375.7	375.0
180°	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5



TEST NUMBER: P1444374
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL30

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5
2.5°	15933.7	15941.7	15953.9	15964.9	15981.6	15994.7	16014.4	16029.4	16051.6	16066.1	16090.2
5°	15935.1	15966.3	16007.3	16047.3	16095.4	16139.1	16193.3	16239.6	16294.0	16338.5	16394.3
7.5°	15957.6	16017.8	16089.8	16162.5	16244.6	16321.4	16407.9	16486.3	16571.8	16644.4	16723.5
10°	15974.3	16067.0	16173.2	16280.0	16392.5	16497.0	16602.5	16693.7	16778.9	16849.0	16910.9
12.5°	15951.8	16079.5	16215.7	16347.3	16472.4	16580.5	16671.3	16741.4	16789.8	16822.7	16830.3
15°	15875.1	16028.9	16177.0	16308.1	16411.8	16491.9	16533.3	16552.6	16531.9	16497.3	16421.4
17.5°	15732.0	15894.2	16026.6	16130.0	16184.8	16206.6	16172.2	16112.5	15995.9	15866.3	15679.4
20°	15469.7	15620.6	15716.8	15773.2	15758.5	15704.2	15574.6	15417.1	15184.2	14936.0	14608.4
22.5°	15009.4	15141.5	15192.6	15196.9	15107.4	14971.4	14737.8	14467.6	14100.2	13718.2	13248.4
25°	14318.6	14434.2	14442.3	14396.9	14233.1	14012.9	13669.8	13287.6	12788.4	12279.3	11690.6
27.5°	13381.7	13492.5	13465.4	13380.7	13153.2	12858.7	12419.3	11925.7	11310.1	10708.9	10057.6
30°	12204.0	12322.5	12290.6	12181.9	11911.4	11563.2	11046.2	10472.7	9789.3	9147.2	8487.2
32.5°	10794.5	10944.4	10922.4	10819.1	10536.8	10164.3	9603.3	8995.0	8295.7	7663.0	7020.9
35°	9192.5	9374.6	9384.0	9316.4	9054.4	8686.1	8132.2	7543.4	6873.6	6276.6	5683.5
37.5°	7466.5	7677.6	7721.0	7702.7	7485.6	7160.5	6655.8	6127.6	5534.3	5011.0	4503.8
40°	5731.0	5944.6	6018.8	6040.8	5880.6	5628.7	5214.5	4788.2	4304.5	3880.5	3477.7
42.5°	4148.3	4337.7	4409.3	4454.4	4354.3	4186.4	3884.3	3574.7	3220.3	2914.5	2621.3
45°	2881.1	3015.1	3069.6	3114.9	3060.4	2965.8	2775.0	2581.2	2347.3	2147.5	1958.3
47.5°	2014.3	2088.2	2124.1	2146.1	2125.1	2075.7	1971.8	1859.7	1727.6	1610.9	1498.6
50°	1493.0	1532.4	1551.2	1563.9	1548.5	1521.1	1464.9	1403.8	1331.3	1265.2	1200.5
52.5°	1183.2	1205.8	1217.0	1223.8	1214.9	1198.2	1165.5	1129.3	1085.8	1044.9	1023.4
55°	996.8	995.6	1021.4	1009.0	1021.4	993.6	987.7	948.0	911.8	886.4	858.9
57.5°	822.0	833.7	838.7	844.2	840.6	835.6	821.6	807.4	788.3	772.4	755.4
60°	711.5	721.2	726.7	732.1	731.8	729.9	721.8	713.4	701.5	691.9	681.6
62.5°	635.5	643.8	649.2	654.4	654.9	654.1	648.1	642.1	634.1	628.1	620.9
65°	575.6	581.5	585.1	589.4	589.1	587.9	582.5	577.6	570.9	566.8	561.5
67.5°	513.0	517.4	520.2	524.2	525.0	525.2	522.2	519.8	516.6	515.4	513.7
70°	468.4	473.7	478.4	483.3	486.0	487.3	486.0	484.9	483.0	482.2	480.8
72.5°	434.7	439.2	442.7	447.3	449.9	451.7	450.7	450.0	448.4	448.2	447.2
75°	392.8	395.9	397.9	401.4	402.7	404.4	403.7	404.1	403.5	404.8	404.8
77.5°	342.5	344.8	345.7	348.2	348.4	350.5	350.9	353.4	355.1	358.9	360.9
80°	285.7	287.3	287.3	289.8	290.9	294.4	296.0	300.0	301.9	305.2	305.5
82.5°	222.0	220.3	222.0	220.9	224.2	228.0	228.6	232.0	232.8	234.9	233.2
85°	151.8	151.7	150.2	150.5	149.5	149.9	149.4	150.0	149.4	149.5	147.9
87.5°	72.7	73.4	71.7	72.3	70.7	71.4	70.1	71.1	69.6	69.8	67.4
90°	34.2	35.4	36.6	37.8	39.3	42.6	45.9	49.2	52.8	55.9	59.3
92.5°	41.8	43.6	45.3	47.0	48.7	53.9	59.0	64.2	69.3	74.4	79.5
95°	48.0	49.5	51.1	52.7	54.2	61.5	69.0	76.4	83.8	91.2	98.7
97.5°	54.2	55.2	56.1	57.1	58.0	66.8	75.5	84.3	93.0	101.7	110.5
100°	62.6	63.7	64.8	66.0	67.1	87.3	107.4	127.5	147.6	167.8	187.9
102.5°	104.4	111.5	118.6	125.7	132.8	181.6	230.5	279.2	327.8	376.7	425.5
105°	245.3	269.0	292.8	316.6	340.3	414.2	488.2	562.0	635.8	709.6	783.5
107.5°	502.4	544.2	586.0	627.8	669.6	739.1	808.6	878.0	947.6	1017.0	1086.4
110°	772.7	808.7	844.9	881.0	917.1	972.3	1027.6	1082.7	1137.8	1193.0	1248.2



TEST NUMBER: P1444374
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CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	929.7	951.6	973.6	995.6	1017.6	1058.1	1098.8	1139.4	1179.9	1220.3	1260.8
115°	969.2	980.8	992.6	1004.3	1016.1	1040.7	1065.1	1089.7	1114.2	1138.7	1163.3
117.5°	939.4	943.7	948.0	952.2	956.4	969.1	982.0	994.7	1007.4	1020.1	1032.8
120°	868.7	868.5	868.4	868.2	868.0	872.1	876.3	880.5	884.7	888.7	892.8
122.5°	788.9	786.2	783.7	780.9	778.3	777.1	776.2	775.0	774.1	773.0	772.0
125°	713.1	710.4	707.7	705.0	702.2	699.0	695.9	692.7	689.4	686.3	683.1
127.5°	648.0	645.6	643.3	640.9	638.5	634.9	631.2	627.6	624.1	620.3	616.7
130°	593.3	591.7	590.1	588.2	586.7	583.6	580.6	577.5	574.4	571.3	568.3
132.5°	553.1	552.0	551.1	549.8	548.8	546.0	543.4	540.6	537.9	535.2	532.6
135°	521.5	520.9	520.5	519.9	519.3	517.3	515.5	513.5	511.6	509.5	507.6
137.5°	494.8	494.9	494.9	494.9	495.0	493.4	491.8	490.3	488.8	487.1	485.6
140°	477.0	477.1	477.3	477.2	477.3	475.5	473.8	472.1	470.5	468.7	467.0
142.5°	458.9	459.1	459.2	459.2	459.3	458.0	456.8	455.5	454.2	452.8	451.5
145°	445.1	445.5	445.9	446.0	446.5	444.8	443.3	441.4	440.0	438.3	436.8
147.5°	431.8	432.2	432.7	432.9	433.4	432.0	430.6	429.2	428.0	426.5	425.3
150°	421.7	421.8	421.9	422.0	422.0	420.6	419.1	417.5	416.2	414.6	413.3
152.5°	411.6	411.8	412.0	412.1	412.3	410.8	409.1	407.5	405.9	404.2	402.7
155°	402.5	402.6	402.6	402.6	402.6	401.1	399.6	398.1	396.5	394.9	393.4
157.5°	394.5	394.6	394.7	394.8	394.8	393.5	392.2	390.8	389.5	388.2	386.9
160°	388.2	388.4	388.5	388.5	388.7	387.6	386.4	385.2	384.2	382.9	381.7
162.5°	383.6	383.8	383.9	383.9	384.1	383.0	382.0	380.8	379.7	378.5	377.4
165°	378.1	378.0	377.9	377.8	377.7	377.0	376.3	375.5	374.7	373.9	373.1
167.5°	376.8	376.7	376.6	376.5	376.4	375.8	375.4	374.7	374.1	373.6	373.0
170°	374.8	374.7	374.6	374.5	374.4	373.8	373.3	372.7	372.3	371.6	371.0
172.5°	373.1	372.8	372.6	372.3	372.0	371.6	371.2	370.9	370.6	370.2	369.8
175°	372.0	371.6	371.4	371.1	370.7	370.6	370.4	370.3	370.1	370.0	369.8
177.5°	374.6	374.1	373.5	373.0	372.5	372.3	372.2	372.0	371.9	371.8	371.6
180°	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5



TEST NUMBER: P1444374
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CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5
2.5°	16105.3	16005.8	15992.6	15999.6	16016.3	16022.4	16040.3	16045.2	16063.3	16067.7	16085.1
5°	16437.5	16306.0	16312.6	16344.3	16392.1	16420.7	16467.7	16492.3	16537.2	16557.6	16598.2
7.5°	16787.9	16684.7	16716.9	16770.2	16835.7	16881.0	16937.5	16974.3	17022.9	17053.2	17092.2
10°	16960.0	16931.7	16967.1	17009.1	17046.4	17075.7	17099.6	17118.8	17131.3	17143.1	17148.3
12.5°	16829.1	16872.9	16878.9	16874.8	16850.1	16831.2	16788.8	16760.0	16708.8	16677.7	16616.7
15°	16343.7	16439.9	16386.7	16305.9	16187.9	16089.4	15950.4	15846.8	15702.1	15603.9	15458.6
17.5°	15491.9	15613.4	15474.5	15287.8	15050.2	14847.0	14594.0	14393.1	14141.5	13958.5	13723.7
20°	14292.7	14406.2	14158.5	13849.0	13481.6	13172.3	12807.6	12516.6	12177.7	11925.7	11621.5
22.5°	12799.7	12880.5	12531.5	12114.3	11646.1	11259.7	10823.7	10474.8	10088.2	9799.9	9475.5
25°	11147.8	11169.6	10751.0	10270.2	9748.5	9314.3	8848.8	8482.1	8087.6	7795.5	7477.2
27.5°	9480.6	9448.6	8996.1	8486.4	7937.5	7486.2	7032.2	6688.6	6343.1	6079.9	5805.7
30°	7907.0	7829.4	7359.6	6835.8	6302.9	5898.5	5521.6	5245.6	4970.7	4762.0	4541.9
32.5°	6464.0	6354.6	5897.3	5406.4	4957.5	4645.3	4365.8	4157.0	3935.1	3758.8	3574.0
35°	5185.8	5069.3	4664.2	4248.0	3908.3	3678.1	3458.4	3287.1	3098.7	2950.0	2789.5
37.5°	4088.9	3993.3	3654.0	3326.6	3069.6	2891.2	2711.3	2571.2	2415.5	2350.1	2178.6
40°	3156.6	3089.9	2824.5	2583.1	2390.1	2306.4	2123.6	1992.9	1876.4	1780.5	1687.6
42.5°	2462.2	2438.6	2180.3	1992.1	1856.2	1750.6	1648.8	1566.2	1485.7	1419.6	1357.1
45°	1806.9	1788.1	1673.5	1564.9	1472.2	1398.5	1329.7	1272.9	1220.2	1176.6	1136.9
47.5°	1407.1	1401.0	1335.0	1267.6	1209.3	1161.9	1117.3	1079.5	1044.6	1015.5	1006.0
50°	1144.4	1143.6	1104.9	1063.3	1021.7	994.4	965.8	943.5	921.1	903.7	885.2
52.5°	972.4	968.1	942.0	916.3	891.7	873.7	855.4	841.2	826.4	815.6	804.1
55°	837.1	841.5	826.4	811.0	795.6	784.4	771.7	762.3	752.1	745.2	738.4
57.5°	743.1	749.0	741.1	732.3	722.9	715.6	706.8	700.3	693.5	689.1	685.2
60°	674.8	681.2	678.0	673.6	667.9	663.4	657.9	654.2	649.8	647.4	645.2
62.5°	616.8	624.8	623.7	621.6	617.9	615.5	612.4	610.7	607.9	606.8	605.8
65°	559.0	568.0	567.8	566.8	564.7	564.0	562.1	561.7	560.3	560.9	560.7
67.5°	513.5	521.2	523.0	524.3	524.2	524.7	524.5	525.3	525.3	526.4	527.1
70°	480.7	486.0	487.3	488.7	489.1	490.1	490.1	490.8	490.6	491.5	491.7
72.5°	447.5	454.7	455.9	457.0	457.0	458.0	457.5	457.3	455.9	455.6	454.6
75°	406.1	415.3	417.3	418.6	418.8	419.7	418.4	417.7	415.3	414.4	412.7
77.5°	363.0	372.5	373.9	374.4	373.6	373.8	371.2	369.5	366.5	365.3	363.6
80°	306.8	320.9	322.1	321.2	318.9	318.5	316.0	314.4	310.8	309.6	308.1
82.5°	233.5	249.9	252.2	253.3	251.5	251.9	249.5	248.5	245.2	244.7	242.5
85°	147.4	163.9	166.6	166.2	164.4	164.0	162.5	163.1	162.8	163.7	164.2
87.5°	67.7	83.6	87.5	86.3	86.1	85.0	82.4	83.3	84.9	85.9	86.0
90°	62.8	70.9	74.2	71.6	67.6	64.9	60.9	58.4	54.8	52.3	48.6
92.5°	84.7	89.8	94.9	90.4	85.9	81.2	76.7	72.0	67.6	62.9	58.4
95°	106.0	113.4	120.8	114.7	108.7	102.5	96.5	90.4	84.4	78.2	72.1
97.5°	119.3	127.8	136.5	130.5	124.3	118.2	112.1	105.9	99.9	93.8	87.7
100°	208.1	227.8	248.0	230.8	213.3	196.0	178.8	161.3	144.1	126.8	109.5
102.5°	474.1	522.8	571.5	527.8	484.0	440.3	396.6	352.8	309.2	265.4	221.7
105°	857.2	930.9	1004.7	937.8	871.1	804.4	737.7	670.9	604.1	537.4	470.7
107.5°	1155.8	1224.8	1294.1	1233.8	1173.5	1113.2	1052.8	992.6	932.2	871.9	811.6
110°	1303.3	1357.9	1413.0	1372.4	1332.1	1291.6	1251.3	1210.7	1170.3	1130.0	1089.6



TEST NUMBER: P1444374
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CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	1301.3	1341.2	1381.4	1357.7	1334.2	1310.6	1287.1	1263.5	1240.1	1216.5	1193.0
115°	1187.7	1211.3	1235.6	1226.3	1217.2	1208.0	1198.7	1189.6	1180.3	1171.2	1162.2
117.5°	1045.5	1057.1	1069.5	1068.0	1066.5	1065.0	1063.6	1062.0	1060.7	1059.2	1057.8
120°	896.9	899.8	903.6	905.1	906.6	908.1	909.6	911.0	912.5	914.2	915.8
122.5°	770.8	768.6	767.0	768.5	770.0	771.3	772.7	774.2	775.7	777.1	778.6
125°	679.9	675.3	671.7	670.4	669.2	667.9	666.6	665.2	664.1	662.9	661.8
127.5°	613.1	608.0	604.0	600.7	597.3	593.8	590.5	587.0	583.7	580.2	576.9
130°	565.2	560.5	557.1	552.6	548.5	544.0	539.6	535.4	530.9	526.5	522.3
132.5°	529.7	525.4	522.3	518.1	514.0	509.8	505.7	501.5	497.2	493.1	489.0
135°	505.6	502.0	499.7	495.8	492.2	488.4	484.5	480.8	477.1	473.1	469.5
137.5°	484.0	480.6	478.7	475.7	472.8	469.9	467.0	463.9	460.9	457.9	455.0
140°	465.2	461.6	459.5	458.0	456.5	454.8	453.2	451.6	450.1	448.5	446.8
142.5°	450.3	446.9	445.3	444.3	443.5	442.4	441.7	440.7	439.8	438.7	437.8
145°	435.1	431.2	429.2	429.3	429.5	429.5	429.6	429.7	429.8	429.8	429.9
147.5°	423.9	420.0	418.1	418.5	418.8	419.1	419.6	419.8	420.3	420.7	421.0
150°	411.6	407.3	405.1	405.8	406.3	407.0	407.5	408.2	408.8	409.5	410.1
152.5°	401.0	395.8	393.3	394.0	394.7	395.3	396.0	396.7	397.4	398.2	398.9
155°	391.7	386.2	383.6	383.8	384.1	384.4	384.7	385.1	385.5	385.8	386.3
157.5°	385.2	379.7	377.3	377.3	377.4	377.6	377.7	377.8	378.0	378.2	378.5
160°	380.5	375.0	372.7	372.7	372.8	372.9	373.0	373.0	373.2	373.4	373.7
162.5°	376.0	370.7	368.5	368.4	368.4	368.4	368.6	368.6	368.8	368.8	369.1
165°	372.3	367.8	365.9	366.1	366.4	366.5	366.8	367.1	367.4	367.7	368.1
167.5°	372.3	368.4	366.9	366.8	366.6	366.4	366.4	366.2	366.2	366.1	366.1
170°	370.4	367.2	365.9	366.0	366.2	366.2	366.3	366.4	366.5	366.6	366.8
172.5°	369.4	367.1	366.1	366.5	366.9	367.1	367.5	367.8	368.2	368.5	368.9
175°	369.6	368.2	367.8	367.8	368.0	368.2	368.4	368.5	368.7	368.9	369.3
177.5°	371.4	370.9	370.6	370.6	370.6	370.6	370.6	370.6	370.6	370.7	370.7
180°	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5



TEST NUMBER: P1444374
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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°	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5
2.5°	16088.3	16107.1	16105.7	16123.1	16122.3	16138.8	16135.4	16149.8	16146.4	16158.6	16151.5
5°	16616.0	16651.7	16663.5	16695.6	16702.4	16731.1	16731.7	16754.6	16751.9	16769.8	16760.3
7.5°	17115.3	17148.6	17164.4	17189.4	17201.8	17222.6	17230.7	17247.7	17251.8	17261.9	17261.6
10°	17157.3	17157.2	17165.1	17161.6	17168.5	17164.5	17173.1	17170.0	17182.6	17179.3	17188.8
12.5°	16590.5	16534.2	16513.7	16463.1	16452.0	16408.8	16411.8	16384.0	16397.5	16380.3	16409.5
15°	15372.1	15241.7	15177.2	15063.7	15028.0	14938.3	14931.1	14871.6	14887.6	14856.4	14902.0
17.5°	13571.8	13366.3	13253.5	13087.8	13022.1	12895.2	12869.7	12793.0	12804.9	12766.3	12821.4
20°	11425.2	11176.9	11034.7	10843.0	10757.6	10606.3	10566.2	10480.5	10491.2	10452.7	10515.0
22.5°	9254.1	8994.2	8833.7	8632.8	8523.7	8381.5	8338.8	8252.6	8257.6	8221.4	8281.3
25°	7259.0	7009.9	6854.0	6671.6	6576.9	6446.5	6401.6	6324.3	6328.6	6298.9	6352.6
27.5°	5615.4	5411.0	5280.6	5127.6	5042.8	4935.5	4891.8	4826.8	4826.6	4804.8	4849.7
30°	4388.1	4217.5	4100.5	3967.3	3887.5	3790.8	3748.5	3690.3	3687.8	3672.3	3708.0
32.5°	3435.8	3284.1	3177.2	3060.1	2988.5	2905.5	2865.5	2818.6	2814.4	2800.4	2829.7
35°	2670.9	2543.1	2451.3	2352.6	2359.8	2237.5	2257.7	2162.6	2136.9	2131.2	2153.0
37.5°	2064.3	1965.3	1890.8	1816.8	1766.8	1715.0	1687.1	1662.1	1659.3	1656.9	1672.1
40°	1615.8	1546.5	1492.3	1441.6	1407.2	1375.6	1358.1	1344.4	1341.1	1339.2	1348.5
42.5°	1307.8	1260.9	1226.0	1195.1	1174.2	1157.0	1147.4	1139.8	1137.2	1137.2	1142.7
45°	1104.9	1076.5	1054.0	1034.7	1021.4	1027.3	1010.0	1019.0	1007.1	1019.4	1011.2
47.5°	973.0	948.9	934.9	921.3	913.1	906.7	906.9	907.0	909.6	910.0	912.6
50°	871.3	857.2	847.6	838.9	834.6	831.2	832.4	833.3	835.8	836.0	837.9
52.5°	795.9	786.7	780.9	775.5	773.6	771.7	772.5	772.1	773.3	772.7	774.3
55°	734.7	730.3	728.5	726.5	726.8	726.2	726.6	724.7	723.5	721.9	723.4
57.5°	684.3	683.7	685.0	685.8	688.1	688.9	689.4	687.2	685.1	683.2	684.3
60°	645.6	646.6	649.6	652.1	655.4	657.0	657.9	656.6	655.0	653.4	654.4
62.5°	607.3	608.8	612.5	615.3	619.3	621.3	623.7	623.8	624.4	623.8	624.5
65°	563.0	564.8	568.2	570.5	574.2	576.0	578.4	578.8	580.1	579.8	580.9
67.5°	529.2	530.9	533.7	535.9	539.2	541.1	543.1	543.2	543.8	543.6	544.8
70°	493.3	494.1	496.6	498.4	501.8	503.7	506.1	506.8	508.2	508.5	509.6
72.5°	455.0	454.7	456.1	456.9	459.4	460.9	463.9	465.7	468.1	468.8	469.6
75°	413.2	412.9	414.6	415.3	417.4	419.0	422.4	424.6	428.4	430.0	429.5
77.5°	364.9	365.7	369.0	370.8	373.6	375.7	380.0	383.5	390.5	393.6	390.5
80°	310.8	311.7	315.1	316.8	320.6	322.9	327.8	331.9	338.2	339.6	337.8
82.5°	244.4	244.6	247.6	248.9	253.8	257.3	263.6	266.8	270.7	270.1	269.6
85°	166.6	168.8	172.7	176.6	182.4	188.2	194.0	198.9	195.4	200.8	194.7
87.5°	89.0	88.8	94.0	93.2	101.5	106.2	111.4	113.8	116.5	115.9	116.0
90°	46.4	44.1	43.1	40.7	40.1	37.5	37.3	34.9	35.0	32.3	36.1
92.5°	53.8	51.5	48.8	46.5	43.9	41.6	38.9	36.5	34.0	31.6	34.0
95°	66.1	63.8	61.5	59.1	56.9	54.6	52.4	50.0	47.8	45.5	48.3
97.5°	81.6	80.3	79.0	77.7	76.4	75.0	73.7	72.3	70.9	69.6	71.5
100°	92.2	92.2	92.2	92.2	92.1	92.1	92.1	92.1	92.1	92.1	93.6
102.5°	177.9	173.5	169.2	164.8	160.4	156.1	151.8	147.3	143.0	138.6	145.1
105°	404.0	387.0	369.7	352.6	335.5	318.4	301.3	284.2	267.1	250.0	267.7
107.5°	751.4	720.1	688.9	657.9	626.6	595.4	564.2	533.2	502.0	470.8	498.7
110°	1049.3	1016.1	983.1	950.0	916.9	883.8	850.8	817.7	784.7	751.6	778.2



TEST NUMBER: P1444374
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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°	1169.5	1148.0	1126.6	1105.5	1084.1	1062.8	1041.5	1020.3	999.0	977.7	990.6
115°	1153.1	1142.9	1132.7	1122.6	1112.5	1102.3	1092.1	1082.2	1072.1	1062.0	1062.8
117.5°	1056.4	1053.1	1049.7	1046.3	1043.0	1039.8	1036.4	1033.2	1029.9	1026.8	1019.5
120°	917.5	918.5	919.6	920.8	922.0	923.3	924.4	925.8	927.1	928.4	918.7
122.5°	780.2	782.8	785.4	788.0	790.8	793.6	796.2	799.0	802.0	804.8	795.1
125°	660.5	663.0	665.6	668.3	670.8	673.6	676.3	679.2	682.0	684.9	676.7
127.5°	573.6	574.6	575.5	576.6	577.8	578.9	580.1	581.5	582.8	584.1	579.0
130°	517.9	517.1	516.3	515.7	515.0	514.5	513.9	513.5	513.1	512.7	510.4
132.5°	484.7	482.8	480.9	479.1	477.3	475.5	473.8	472.3	470.7	469.3	468.5
135°	465.7	462.9	460.3	457.6	455.1	452.5	450.1	447.8	445.6	443.3	443.7
137.5°	451.9	449.3	446.6	444.0	441.3	439.0	436.4	434.1	431.9	429.5	430.3
140°	445.3	442.4	439.8	437.2	434.8	432.3	429.9	427.6	425.2	423.1	423.6
142.5°	436.8	434.5	432.0	429.6	427.2	425.0	422.8	420.8	418.5	416.6	417.1
145°	429.9	428.2	426.4	424.6	423.0	421.3	419.5	418.0	416.5	415.2	415.5
147.5°	421.4	420.0	418.6	417.3	416.0	414.9	413.7	412.5	411.4	410.5	410.5
150°	410.7	409.9	408.9	408.1	407.2	406.4	405.7	404.9	404.2	403.6	403.4
152.5°	399.6	398.8	397.9	397.1	396.3	395.6	394.9	394.2	393.6	392.9	392.8
155°	386.7	386.3	385.9	385.6	385.2	385.0	384.6	384.5	384.2	383.9	384.0
157.5°	378.7	378.6	378.4	378.4	378.3	378.3	378.1	378.2	378.0	378.1	378.2
160°	374.0	373.7	373.4	373.2	373.0	372.7	372.4	372.3	372.1	371.9	372.2
162.5°	369.3	369.5	369.5	369.6	369.8	369.9	370.1	370.4	370.5	370.7	370.9
165°	368.5	368.3	368.2	368.0	368.0	368.0	367.9	368.0	367.9	367.9	368.3
167.5°	366.0	366.3	366.4	366.7	366.9	367.1	367.4	367.8	368.1	368.5	368.8
170°	366.9	366.9	366.9	366.9	366.9	367.0	367.1	367.1	367.2	367.3	367.6
172.5°	369.3	369.3	369.2	369.3	369.2	369.3	369.3	369.3	369.3	369.4	369.6
175°	369.3	369.7	369.9	370.1	370.3	370.4	370.6	370.8	371.0	371.2	371.2
177.5°	370.7	370.7	370.7	370.7	370.7	370.8	370.8	370.8	370.8	370.7	370.9
180°	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5



TEST NUMBER: P1444374
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CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5
2.5°	16163.4	16155.3	16163.6	16155.2	16163.6	16153.5	16160.3	16149.4	16152.2	16140.9	16143.8
5°	16774.5	16761.6	16768.5	16751.7	16753.5	16731.1	16730.7	16704.7	16697.8	16668.2	16655.2
7.5°	17268.7	17264.5	17266.9	17256.1	17254.9	17239.6	17232.3	17210.8	17197.3	17170.0	17151.4
10°	17190.5	17203.1	17206.4	17219.2	17221.8	17234.6	17237.3	17250.0	17252.6	17262.1	17262.2
12.5°	16408.1	16450.8	16461.1	16513.9	16536.2	16596.6	16629.0	16695.6	16735.3	16801.7	16842.5
15°	14900.7	14974.8	15004.2	15107.5	15164.6	15285.0	15360.6	15498.9	15596.6	15743.5	15848.3
17.5°	12826.2	12929.6	12976.2	13116.2	13207.5	13385.3	13513.4	13724.3	13885.8	14120.1	14306.0
20°	10525.7	10640.6	10704.0	10863.6	10971.4	11179.0	11339.0	11598.3	11814.3	12111.3	12365.3
22.5°	8300.0	8409.4	8479.8	8642.2	8763.5	8980.1	9158.9	9432.5	9674.7	10009.4	10313.8
25°	6372.8	6473.1	6536.7	6683.6	6797.5	6996.6	7167.3	7430.4	7667.4	8003.1	8315.4
27.5°	4872.0	4955.9	5017.3	5142.5	5243.0	5411.8	5558.5	5775.9	5980.0	6270.5	6548.5
30°	3729.9	3804.3	3864.0	3973.0	4066.2	4212.6	4341.5	4524.2	4693.2	4924.2	5145.4
32.5°	2850.3	2914.4	2967.5	3063.0	3147.5	3279.2	3395.5	3555.5	3700.6	3896.6	4078.6
35°	2173.2	2299.3	2290.3	2422.1	2443.3	2537.8	2641.5	2781.5	2910.0	3076.5	3231.4
37.5°	1686.7	1722.3	1760.2	1818.4	1879.6	1965.6	2053.2	2224.2	2287.0	2412.9	2541.2
40°	1360.2	1384.1	1409.3	1448.6	1491.4	1552.0	1615.8	1697.4	1781.0	1883.2	1987.4
42.5°	1150.0	1163.5	1179.4	1202.6	1229.0	1267.4	1310.1	1365.4	1423.6	1495.4	1568.8
45°	1027.5	1021.0	1025.7	1038.2	1054.0	1077.4	1104.4	1138.6	1176.5	1223.0	1272.6
47.5°	913.1	915.8	917.2	923.9	932.4	948.2	964.5	987.7	1032.6	1046.3	1073.4
50°	837.8	839.0	838.6	842.0	846.3	856.5	867.1	882.9	898.5	919.4	939.3
52.5°	774.5	776.3	776.0	778.2	780.6	787.0	793.7	804.9	815.2	828.4	839.8
55°	724.6	727.0	727.9	729.8	730.9	734.4	737.0	742.3	746.7	754.2	761.1
57.5°	686.1	689.4	691.1	691.7	690.4	690.2	689.2	690.4	691.3	695.3	699.1
60°	656.0	658.6	659.0	658.6	656.2	654.3	651.5	650.6	650.1	652.1	654.2
62.5°	624.3	625.3	624.6	623.8	620.9	619.2	616.3	615.2	614.2	615.6	616.7
65°	580.5	581.3	580.5	580.1	577.5	576.1	573.6	572.8	571.4	571.7	571.5
67.5°	545.0	545.8	545.2	544.5	542.7	541.8	540.0	538.8	537.1	536.5	535.3
70°	509.5	510.2	509.1	508.5	506.5	505.7	504.0	503.7	502.3	502.0	500.7
72.5°	468.8	468.8	467.4	467.0	465.5	465.5	464.7	465.4	465.4	466.1	465.8
75°	427.0	426.4	424.7	424.4	423.3	423.8	423.0	424.0	424.2	425.7	425.9
77.5°	385.2	383.1	379.7	378.1	375.9	375.5	374.2	375.1	374.8	376.7	377.4
80°	332.5	329.8	325.5	323.5	320.8	320.4	319.1	320.4	319.8	321.9	323.3
82.5°	265.5	263.1	258.7	257.0	254.0	254.3	253.0	254.3	254.1	257.1	258.9
85°	196.4	194.8	190.2	186.2	181.6	178.9	176.3	175.9	175.1	176.3	177.4
87.5°	113.4	112.0	108.4	106.0	98.1	98.4	95.2	95.0	94.3	93.6	95.2
90°	36.9	40.4	41.3	44.5	45.6	49.1	50.6	54.0	55.3	59.1	60.8
92.5°	36.5	38.9	41.5	43.9	46.4	48.8	51.4	53.8	59.1	64.4	69.7
95°	51.2	54.1	56.9	59.7	62.6	65.5	68.3	71.1	78.9	86.7	94.4
97.5°	73.6	75.3	77.2	79.1	81.0	82.8	84.8	86.7	95.1	103.5	111.9
100°	95.1	96.7	98.2	99.8	101.3	102.8	104.3	105.8	122.1	138.2	154.4
102.5°	151.6	158.0	164.5	170.9	177.4	183.8	190.3	196.8	233.9	270.9	307.9
105°	285.3	303.0	320.7	338.4	356.1	373.7	391.5	409.1	468.4	527.7	587.0
107.5°	526.7	554.5	582.5	610.5	638.5	666.3	694.3	722.3	780.1	838.1	895.8
110°	804.8	831.4	858.0	884.7	911.2	937.9	964.5	991.2	1026.0	1060.6	1095.3



TEST NUMBER: P1444374
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL30

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	1003.6	1016.5	1029.5	1042.4	1055.4	1068.4	1081.4	1094.5	1111.7	1129.0	1146.2
115°	1063.6	1064.4	1065.2	1066.0	1066.8	1067.7	1068.6	1069.6	1075.0	1080.3	1085.6
117.5°	1012.4	1005.2	998.1	990.9	983.9	976.8	969.9	962.9	961.6	960.3	959.2
120°	909.2	899.6	890.0	880.4	871.0	861.4	852.0	842.6	837.7	832.7	827.8
122.5°	785.6	776.0	766.4	756.9	747.5	738.0	728.7	719.4	715.9	712.3	708.7
125°	668.7	660.7	652.7	644.8	637.0	629.1	621.3	613.6	613.2	612.6	612.3
127.5°	574.0	569.1	564.1	559.4	554.6	549.9	545.2	540.4	542.1	544.0	545.6
130°	508.0	505.9	503.7	501.5	499.6	497.5	495.4	493.5	496.8	500.0	503.3
132.5°	468.1	467.6	467.2	466.8	466.5	466.2	466.1	465.7	469.5	473.3	477.1
135°	444.1	444.5	445.1	445.6	446.3	446.9	447.7	448.4	452.0	455.6	459.2
137.5°	431.0	432.0	432.9	433.8	434.9	435.9	437.0	438.1	440.9	443.7	446.5
140°	424.3	424.7	425.5	426.3	427.1	427.8	428.8	429.6	432.0	434.1	436.3
142.5°	417.8	418.2	418.9	419.7	420.6	421.3	422.1	422.9	424.4	426.0	427.7
145°	415.9	416.3	416.8	417.2	417.7	418.3	418.9	419.4	420.5	421.3	422.4
147.5°	410.7	410.9	411.2	411.5	411.9	412.2	412.4	412.7	413.3	413.8	414.4
150°	403.4	403.4	403.5	403.5	403.7	403.8	403.9	404.0	404.5	404.9	405.4
152.5°	392.9	392.8	392.8	392.9	393.0	393.0	393.0	393.1	393.6	394.0	394.5
155°	384.2	384.4	384.6	384.8	385.1	385.2	385.5	385.7	386.0	386.2	386.5
157.5°	378.4	378.5	378.8	379.0	379.2	379.4	379.7	379.8	380.1	380.3	380.5
160°	372.6	373.1	373.4	373.8	374.2	374.6	375.0	375.5	375.8	376.0	376.2
162.5°	371.1	371.3	371.6	371.8	372.0	372.2	372.4	372.6	373.1	373.4	373.9
165°	368.7	369.1	369.6	369.8	370.3	370.8	371.1	371.6	371.7	372.0	372.2
167.5°	369.3	369.6	370.1	370.4	370.8	371.2	371.6	372.0	372.2	372.3	372.6
170°	368.0	368.4	368.7	369.0	369.4	369.7	370.1	370.5	370.9	371.2	371.6
172.5°	369.9	370.2	370.5	370.7	371.0	371.4	371.7	372.0	372.4	372.7	373.0
175°	371.2	371.2	371.3	371.3	371.4	371.4	371.5	371.6	371.6	371.7	371.7
177.5°	371.1	371.3	371.5	371.6	371.8	372.0	372.2	372.4	372.4	372.4	372.4
180°	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5



TEST NUMBER: P1444374
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL30

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5
2.5°	16132.5	16133.2	16120.2	16119.5	16107.3	16105.8	16093.9	16090.2	16080.6	16077.1	16067.3
5°	16622.0	16606.1	16569.5	16547.9	16511.8	16487.8	16448.6	16423.1	16385.3	16356.7	16318.7
7.5°	17117.0	17092.4	17051.2	17017.9	16967.7	16927.6	16868.9	16820.6	16757.1	16702.0	16635.1
10°	17262.2	17258.3	17247.8	17232.6	17209.3	17183.0	17143.0	17101.2	17045.5	16984.9	16910.6
12.5°	16904.9	16943.5	16996.1	17027.3	17065.2	17081.9	17097.4	17093.5	17083.3	17052.6	17009.6
15°	16000.0	16108.4	16252.0	16363.2	16491.1	16584.1	16686.8	16750.9	16814.7	16844.1	16862.2
17.5°	14560.6	14765.8	15023.1	15236.4	15482.5	15680.2	15896.8	16060.0	16227.6	16347.8	16456.5
20°	12711.5	13008.8	13372.9	13694.5	14068.3	14393.2	14749.3	15041.6	15343.1	15578.8	15801.8
22.5°	10706.0	11059.1	11499.2	11906.8	12388.8	12822.0	13310.7	13736.1	14180.3	14551.3	14910.1
25°	8733.8	9121.2	9602.2	10057.1	10603.0	11106.9	11686.4	12216.7	12790.7	13289.0	13781.4
27.5°	6932.9	7313.2	7804.4	8288.6	8865.9	9402.8	10023.8	10607.9	11261.5	11864.2	12480.8
30°	5452.8	5775.3	6215.8	6684.7	7254.1	7800.5	8428.2	9028.9	9708.9	10367.1	11061.6
32.5°	4320.1	4565.8	4912.1	5308.7	5833.9	6354.0	6951.8	7531.7	8201.4	8866.1	9588.4
35°	3431.0	3622.6	3886.7	4196.0	4640.9	5089.2	5618.0	6145.3	6770.1	7400.9	8103.0
37.5°	2705.5	2861.0	3067.8	3300.2	3657.0	4025.0	4458.5	4895.7	5438.5	5997.7	6634.1
40°	2112.7	2238.6	2399.6	2573.0	2842.4	3125.9	3461.2	3800.2	4236.3	4693.4	5220.0
42.5°	1659.7	1752.5	1866.2	1993.0	2244.3	2394.9	2622.2	2867.5	3188.0	3519.8	3915.7
45°	1332.9	1396.3	1475.1	1560.0	1676.8	1804.4	1960.1	2123.4	2428.0	2577.4	2818.1
47.5°	1113.1	1155.6	1205.8	1259.3	1328.1	1402.4	1494.7	1589.2	1711.3	1837.8	1986.2
50°	965.1	1008.3	1025.5	1053.3	1093.0	1135.5	1187.6	1239.7	1305.1	1371.5	1447.9
52.5°	855.2	869.3	888.0	905.7	930.3	978.6	994.3	1021.4	1058.1	1094.1	1134.2
55°	771.3	780.5	792.7	803.3	818.2	832.5	853.1	871.2	895.7	917.3	943.9
57.5°	706.0	711.8	720.3	727.3	737.0	744.9	757.1	766.8	781.0	793.2	809.3
60°	658.6	662.4	668.2	672.7	678.9	683.0	689.0	693.6	701.1	707.3	716.3
62.5°	619.8	621.8	625.5	628.2	632.1	634.3	637.4	639.4	643.5	646.7	651.7
65°	573.3	573.7	576.2	577.3	580.5	581.6	584.2	585.1	588.4	590.8	595.2
67.5°	535.2	534.2	534.2	533.3	533.7	532.9	533.1	532.1	533.5	534.2	537.6
70°	500.4	499.0	498.4	496.8	496.3	494.7	494.2	492.8	492.6	492.1	493.3
72.5°	466.5	466.1	466.2	465.0	464.9	463.8	463.9	463.2	463.9	464.3	465.9
75°	427.5	427.6	428.4	427.4	427.7	426.7	427.1	426.2	426.7	426.5	428.0
77.5°	380.1	381.2	383.2	382.8	383.5	382.4	382.9	381.7	382.0	381.2	381.8
80°	326.7	329.0	331.9	331.8	332.9	332.2	333.2	332.1	332.5	331.1	330.8
82.5°	263.3	265.4	268.3	268.4	271.0	271.5	274.3	274.2	276.1	275.0	274.1
85°	180.0	181.4	184.0	185.5	188.1	189.7	192.5	193.6	191.6	195.3	192.4
87.5°	94.0	97.5	95.6	100.1	99.1	103.6	102.6	107.0	106.0	109.8	109.3
90°	65.3	67.3	71.8	74.0	79.2	81.6	81.6	78.6	78.4	75.5	75.3
92.5°	75.0	80.4	85.8	91.0	96.4	101.8	96.8	91.8	86.9	82.0	77.0
95°	102.2	110.1	117.9	125.6	133.4	141.2	132.8	124.5	116.2	107.9	99.5
97.5°	120.3	128.5	136.9	145.3	153.7	162.0	152.2	142.3	132.4	122.6	112.8
100°	170.5	186.7	202.8	219.0	235.2	251.3	233.0	214.6	196.1	177.7	159.3
102.5°	345.1	382.1	419.2	456.3	493.3	530.4	491.3	452.2	413.2	374.1	335.0
105°	646.4	705.8	765.0	824.4	883.7	943.1	879.7	816.3	753.0	689.7	626.2
107.5°	953.6	1011.5	1069.4	1127.2	1185.1	1243.0	1178.7	1114.4	1050.2	985.8	921.5
110°	1130.1	1164.7	1199.5	1234.2	1268.9	1303.7	1256.7	1209.8	1162.8	1115.8	1068.8



TEST NUMBER: P1444374
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL30

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	1163.5	1180.8	1198.1	1215.4	1232.8	1250.2	1216.5	1183.0	1149.3	1115.7	1081.8
115°	1091.0	1096.4	1101.8	1107.2	1112.6	1118.0	1095.3	1072.5	1049.8	1027.1	1004.2
117.5°	957.9	956.8	955.5	954.5	953.2	952.1	939.3	926.5	913.5	900.6	887.9
120°	822.8	818.0	813.1	808.1	803.3	798.2	792.8	787.1	781.6	776.0	770.3
122.5°	705.2	701.8	698.1	694.7	691.0	687.4	685.2	682.9	680.6	678.1	675.8
125°	611.8	611.3	610.7	610.3	609.7	609.3	608.0	606.7	605.3	604.0	602.7
127.5°	547.2	549.0	550.6	552.2	553.8	555.5	554.9	554.3	553.8	553.2	552.7
130°	506.3	509.7	512.9	515.9	519.0	522.3	521.4	520.4	519.6	518.7	517.7
132.5°	480.9	484.6	488.4	492.2	495.8	499.5	498.4	497.4	496.2	495.2	494.1
135°	462.7	466.4	469.8	473.4	476.9	480.3	479.0	477.8	476.4	475.2	473.9
137.5°	449.3	452.0	454.8	457.6	460.2	462.9	461.6	460.4	459.0	457.8	456.5
140°	438.4	440.5	442.5	444.8	446.8	448.9	447.4	445.9	444.5	443.0	441.3
142.5°	429.1	430.7	432.2	433.8	435.3	436.8	434.7	432.9	430.9	428.9	427.0
145°	423.3	424.2	425.1	426.1	426.7	427.7	425.6	423.4	421.2	419.0	416.8
147.5°	414.9	415.3	415.7	416.3	416.6	417.1	415.0	413.0	411.0	408.8	406.7
150°	405.8	406.3	406.6	407.1	407.5	407.9	405.8	403.7	401.6	399.5	397.3
152.5°	394.9	395.3	395.6	396.0	396.4	396.8	394.7	393.0	390.9	388.9	387.0
155°	386.6	387.0	387.1	387.4	387.4	387.6	385.8	384.3	382.6	381.0	379.3
157.5°	380.7	380.9	381.1	381.2	381.4	381.5	380.3	379.1	377.7	376.5	375.1
160°	376.4	376.5	376.7	376.8	377.0	377.1	376.0	375.0	373.9	372.8	371.7
162.5°	374.3	374.6	374.9	375.2	375.7	376.0	374.7	373.5	372.3	371.0	369.6
165°	372.3	372.5	372.7	372.9	372.9	373.1	372.2	371.4	370.5	369.6	368.7
167.5°	372.7	372.9	373.0	373.2	373.3	373.4	372.5	371.7	370.8	369.9	369.0
170°	371.9	372.1	372.5	372.8	373.1	373.3	372.6	372.0	371.2	370.6	369.8
172.5°	373.3	373.5	373.7	374.0	374.2	374.6	373.8	373.1	372.4	371.7	370.9
175°	371.7	371.8	371.9	371.9	371.9	372.0	371.4	370.9	370.3	369.7	369.2
177.5°	372.4	372.4	372.4	372.4	372.4	372.4	372.0	371.6	371.3	370.9	370.4
180°	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5



TEST NUMBER: P1444374
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL30

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5
2.5°	16063.8	16056.8	16052.4	16046.6	16043.1	16038.7	16035.4	16032.6	16030.4	16028.3	16026.8
5°	16289.7	16253.8	16225.9	16195.8	16170.9	16146.2	16127.1	16111.4	16100.5	16092.3	16087.5
7.5°	16577.3	16511.6	16453.1	16391.6	16336.4	16282.1	16235.4	16195.2	16164.9	16145.3	16133.4
10°	16834.2	16746.2	16659.1	16567.5	16480.7	16396.5	16318.7	16250.2	16196.2	16160.1	16139.2
12.5°	16949.3	16874.3	16785.4	16685.9	16579.5	16471.8	16366.9	16272.2	16192.8	16139.5	16108.7
15°	16847.9	16817.1	16756.8	16679.6	16578.6	16467.3	16344.0	16228.2	16121.6	16052.5	16012.4
17.5°	16518.0	16560.9	16556.4	16526.8	16454.3	16360.5	16234.9	16104.9	15971.6	15879.1	15828.7
20°	15961.4	16096.4	16164.9	16200.1	16171.5	16110.8	15997.1	15865.0	15709.6	15589.0	15515.5
22.5°	15179.2	15417.6	15566.1	15674.8	15697.9	15677.1	15576.7	15451.2	15278.0	15133.1	15024.4
25°	14172.2	14521.5	14756.2	14940.3	15011.8	15030.3	14944.8	14819.9	14626.9	14458.1	14308.7
27.5°	12986.2	13440.0	13753.5	14000.8	14112.4	14160.8	14082.1	13954.7	13726.3	13524.7	13329.8
30°	11651.0	12189.3	12566.8	12863.2	12999.4	13063.3	12979.8	12837.5	12571.8	12329.2	12083.6
32.5°	10221.9	10811.0	11222.2	11544.3	11679.1	11739.2	11629.9	11470.2	11163.1	10877.3	10590.9
35°	8725.5	9320.2	9734.9	10048.4	10161.3	10197.7	10057.9	9873.3	9532.9	9219.3	8906.9
37.5°	7198.8	7752.0	8129.0	8410.3	8480.2	8486.5	8318.1	8114.2	7756.5	7447.2	7136.3
40°	5685.2	6151.8	6456.1	6681.3	6705.6	6683.9	6500.9	6295.7	5961.0	5683.9	5411.0
42.5°	4259.5	4611.7	4828.9	4983.1	4974.0	4931.2	4763.4	4586.9	4310.9	4099.9	3885.1
45°	3038.1	3270.4	3397.3	3487.6	3458.5	3417.8	3287.2	3163.5	2975.9	2839.6	2695.2
47.5°	2110.6	2387.9	2339.7	2516.1	2364.1	2464.6	2255.3	2140.0	2040.5	1968.1	1886.4
50°	1511.0	1574.5	1605.2	1626.2	1615.1	1599.7	1562.0	1528.4	1482.9	1449.8	1411.2
52.5°	1166.9	1198.7	1216.0	1228.7	1226.2	1220.6	1204.2	1189.2	1167.9	1153.9	1136.9
55°	988.4	988.9	1020.9	1007.2	1027.5	1003.7	1013.0	986.7	990.9	968.3	953.2
57.5°	821.3	834.3	840.2	845.9	844.3	843.3	837.0	833.7	826.6	824.5	819.3
60°	722.5	729.3	730.7	733.3	731.1	730.3	725.4	723.6	718.8	717.9	714.5
62.5°	654.7	658.2	658.2	658.2	655.3	652.6	647.1	644.2	640.1	639.3	637.3
65°	598.1	601.8	602.4	603.1	601.1	598.9	594.1	590.9	586.7	585.1	582.9
67.5°	539.7	543.5	544.9	546.9	545.7	545.3	541.9	540.7	537.9	537.3	535.2
70°	493.9	495.5	495.4	495.3	492.7	490.4	486.5	484.7	481.8	481.2	479.4
72.5°	466.7	467.8	467.1	466.1	462.6	459.2	454.8	451.4	447.6	445.3	442.5
75°	428.2	429.7	428.7	428.1	425.1	422.9	419.2	417.4	414.7	414.0	412.2
77.5°	381.1	381.8	380.2	380.1	377.8	376.4	373.6	373.1	371.2	371.2	369.5
80°	328.6	328.1	325.7	325.2	322.9	322.3	320.2	320.4	318.7	319.4	318.1
82.5°	270.4	268.9	265.7	264.7	262.0	261.8	260.4	261.5	260.6	262.0	261.2
85°	193.7	194.1	192.7	192.7	192.0	192.2	192.1	193.0	193.1	194.4	194.3
87.5°	108.1	109.6	109.3	110.7	110.6	112.2	112.8	115.1	115.4	117.6	117.6
90°	72.4	72.3	69.4	69.6	68.2	69.5	68.5	69.8	68.5	69.4	67.7
92.5°	72.0	67.1	62.3	57.2	54.8	52.2	49.9	47.2	44.9	42.3	39.9
95°	91.1	82.8	74.5	66.1	63.3	60.3	57.4	54.6	51.8	48.9	46.0
97.5°	102.9	93.0	83.1	73.3	70.7	68.3	65.7	63.3	60.7	58.3	55.8
100°	140.9	122.4	104.1	85.6	83.4	81.4	79.3	77.2	75.2	73.1	70.9
102.5°	295.9	256.9	217.7	178.6	171.2	163.8	156.4	148.8	141.5	134.0	126.6
105°	562.8	499.5	436.0	372.5	352.3	332.3	312.1	292.0	271.8	251.7	231.6
107.5°	857.1	792.7	728.4	664.0	626.9	589.7	552.4	515.1	478.0	440.6	403.4
110°	1021.9	974.8	927.8	880.7	850.8	820.7	790.8	760.7	730.8	700.6	670.7



TEST NUMBER: P1444374
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL30

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1048.3	1014.5	980.8	947.0	933.4	919.8	906.2	892.6	878.9	865.2	851.6
115°	981.4	958.7	935.7	912.7	908.0	903.2	898.3	893.4	888.5	883.6	878.6
117.5°	875.0	862.1	849.1	836.2	836.9	837.6	838.3	838.9	839.5	840.0	840.7
120°	764.6	759.1	753.4	747.7	751.8	755.6	759.7	763.5	767.4	771.2	775.1
122.5°	673.4	671.0	668.7	666.2	671.1	675.8	680.7	685.4	690.1	694.6	699.2
125°	601.4	600.0	598.6	597.1	602.1	606.8	611.6	616.3	621.0	625.6	630.2
127.5°	552.1	551.5	550.9	550.3	553.7	557.0	560.4	563.5	566.9	569.9	573.0
130°	516.8	515.8	515.0	514.1	517.0	520.0	523.1	525.8	528.7	531.3	534.1
132.5°	493.1	491.9	490.9	489.8	491.9	493.9	495.9	497.7	499.7	501.4	503.1
135°	472.7	471.3	470.1	468.7	470.7	472.5	474.3	476.0	477.9	479.4	481.0
137.5°	455.3	453.8	452.5	451.2	452.9	454.6	456.3	457.7	459.2	460.6	462.0
140°	439.8	438.3	436.9	435.3	436.7	438.1	439.6	440.9	442.2	443.4	444.7
142.5°	425.0	423.0	421.3	419.1	420.2	421.2	422.2	423.1	424.1	424.9	425.7
145°	414.6	412.4	410.2	407.9	408.8	409.6	410.4	411.2	411.7	412.3	413.0
147.5°	404.7	402.5	400.5	398.4	399.1	399.6	400.0	400.5	401.1	401.5	401.8
150°	395.2	393.0	390.9	388.7	389.2	389.7	390.1	390.6	391.0	391.4	391.7
152.5°	384.9	382.8	380.9	378.8	379.2	379.6	379.9	380.3	380.7	381.0	381.3
155°	377.7	376.0	374.2	372.4	372.9	373.2	373.4	373.8	374.1	374.4	374.5
157.5°	373.8	372.3	371.1	369.7	369.8	370.0	370.1	370.1	370.1	370.2	370.2
160°	370.6	369.4	368.3	367.1	367.2	367.3	367.4	367.4	367.4	367.3	367.4
162.5°	368.3	367.0	365.7	364.2	364.3	364.5	364.6	364.6	364.6	364.5	364.5
165°	367.7	366.8	365.8	364.8	364.7	364.6	364.5	364.2	364.1	363.8	363.7
167.5°	368.0	367.1	366.0	365.0	365.1	365.3	365.4	365.4	365.4	365.3	365.4
170°	369.1	368.2	367.5	366.6	366.5	366.5	366.3	366.2	366.1	365.9	365.8
172.5°	370.1	369.3	368.6	367.6	367.6	367.6	367.5	367.4	367.2	367.1	367.1
175°	368.5	367.9	367.3	366.7	366.6	366.6	366.5	366.5	366.4	366.3	366.2
177.5°	370.0	369.7	369.2	368.8	368.8	368.8	368.7	368.6	368.6	368.6	368.5
180°	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5



TEST NUMBER: P1444374
CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL30

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	15963.5	15963.5
2.5°	16025.3	16024.5
5°	16085.0	16084.0
7.5°	16130.3	16130.0
10°	16135.6	16138.3
12.5°	16103.4	16105.7
15°	16009.4	16013.7
17.5°	15829.6	15835.3
20°	15520.0	15526.0
22.5°	15018.6	15021.0
25°	14289.5	14279.1
27.5°	13295.5	13277.7
30°	12032.0	12014.8
32.5°	10525.5	10514.8
35°	8829.8	8822.9
37.5°	7044.4	7030.5
40°	5311.2	5270.8
42.5°	3791.0	3720.2
45°	2619.9	2535.9
47.5°	1828.9	1777.1
50°	1386.3	1369.5
52.5°	1129.6	1125.6
55°	953.1	951.4
57.5°	820.5	819.9
60°	716.3	716.1
62.5°	638.6	638.9
65°	583.9	584.0
67.5°	535.7	535.4
70°	480.1	479.7
72.5°	441.7	441.0
75°	412.2	411.7
77.5°	370.0	369.4
80°	319.0	318.1
82.5°	262.3	261.4
85°	195.7	195.7
87.5°	119.8	119.7
90°	68.5	66.5
92.5°	37.4	35.1
95°	43.2	40.4
97.5°	53.4	50.9
100°	68.9	66.8
102.5°	119.2	111.8
105°	211.5	191.3
107.5°	366.2	328.9
110°	640.6	610.6



TEST NUMBER: P1444374
CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL30

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	837.9	824.2
115°	873.6	868.6
117.5°	841.1	841.7
120°	778.6	782.5
122.5°	703.7	708.2
125°	634.7	639.1
127.5°	575.9	578.9
130°	536.5	539.1
132.5°	504.7	506.2
135°	482.3	483.7
137.5°	463.2	464.3
140°	445.6	446.6
142.5°	426.3	427.0
145°	413.4	413.9
147.5°	401.9	402.3
150°	391.9	392.2
152.5°	381.4	381.7
155°	374.7	374.9
157.5°	370.1	370.1
160°	367.3	367.3
162.5°	364.3	364.5
165°	363.4	363.1
167.5°	365.3	365.4
170°	365.6	365.5
172.5°	366.9	366.8
175°	366.1	366.1
177.5°	368.5	368.4
180°	370.5	370.5



TEST NUMBER: P1444374
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL30

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	13.83	14.81	14.44	15.40	16.07	12.21	13.19	12.82	13.78	14.45
	3H	15.38	16.25	16.00	16.86	17.57	14.64	15.51	15.26	16.12	16.83
	4H	16.17	16.98	16.81	17.60	18.33	15.75	16.56	16.39	17.18	17.91
	6H	16.93	17.68	17.59	18.32	19.05	16.79	17.54	17.44	18.17	18.91
	8H	17.24	17.96	17.91	18.61	19.35	17.22	17.93	17.89	18.59	19.33
	12H	17.49	18.17	18.16	18.81	19.57	17.58	18.25	18.25	18.90	19.66
4H	2H	14.20	15.02	14.85	15.64	16.36	12.91	13.73	13.56	14.35	15.08
	3H	16.07	16.75	16.73	17.41	18.15	15.53	16.21	16.19	16.87	17.61
	4H	17.07	17.68	17.74	18.35	19.13	16.79	17.40	17.46	18.07	18.84
	6H	18.03	18.55	18.72	19.24	20.03	17.97	18.50	18.66	19.19	19.98
	8H	18.41	18.90	19.11	19.59	20.39	18.47	18.96	19.16	19.65	20.44
	12H	18.72	19.15	19.43	19.87	20.67	18.88	19.31	19.59	20.03	20.83
8H	4H	17.45	17.94	18.14	18.63	19.42	17.20	17.69	17.90	18.38	19.17
	6H	18.60	19.00	19.33	19.74	20.54	18.55	18.95	19.28	19.68	20.48
	8H	19.11	19.47	19.85	20.21	21.02	19.15	19.51	19.90	20.25	21.06
	12H	19.54	19.85	20.28	20.57	21.45	19.68	19.99	20.41	20.71	21.59
12H	4H	17.49	17.92	18.20	18.64	19.44	17.25	17.69	17.97	18.40	19.20
	6H	18.72	19.07	19.46	19.81	20.62	18.67	19.02	19.41	19.76	20.57
	8H	19.30	19.61	20.04	20.34	21.22	19.33	19.64	20.07	20.37	21.25

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-1

Test Date: 07/30/2025

Luminaire Tested: EHBR-60-L840-N

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

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-1
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 08/05/2025
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: Metalux
 Catalog Number: **EHBR-60-L840-N**
 Description: Elevate Round Highbay at, 60000 lumens, 4000K 80CRI LEDs with N lens

Spectral Parameters

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

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



Test Conditions

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

REPORT NUMBER: SP1-2506-472-1

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

REPORT NUMBER: SP1-2506-472-1

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-1

Photopic Flux vs. Wavelength



Photopic Lumens: NR

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

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.55

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

REPORT NUMBER: SP1-2506-472-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.99

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

Summary

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

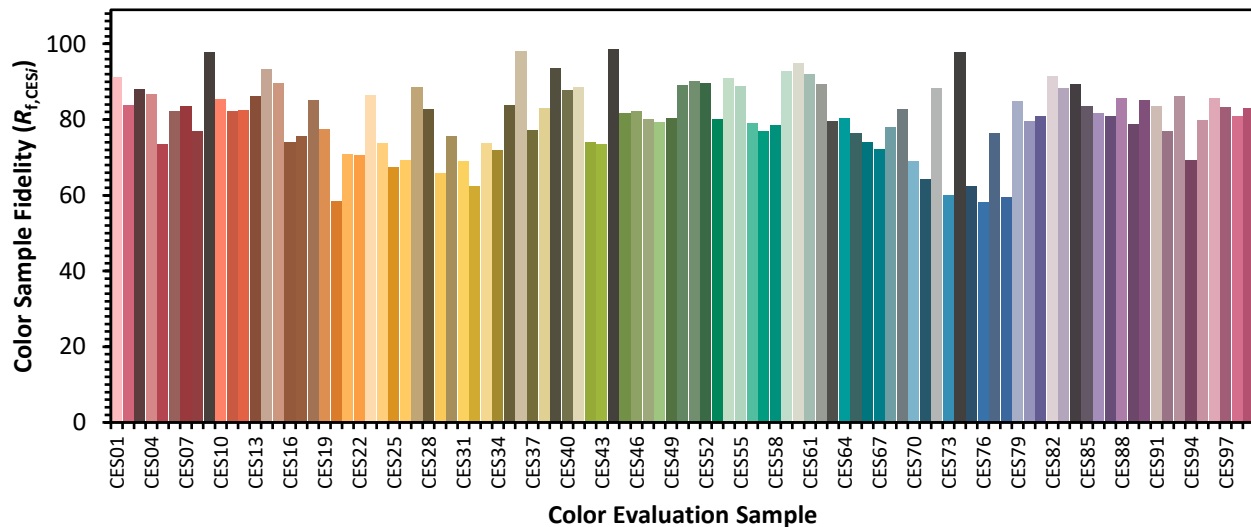


Color Vector Graphics



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

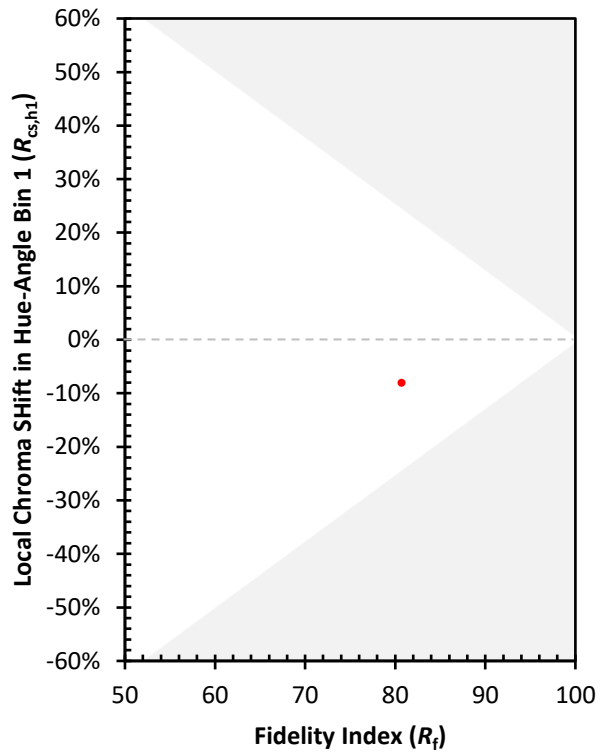
CES01 = 85	CES26 = 69	CES51 = 90	CES76 = 58
CES02 = 61	CES27 = 89	CES52 = 90	CES77 = 76
CES03 = 31	CES28 = 83	CES53 = 80	CES78 = 60
CES04 = 69	CES29 = 66	CES54 = 91	CES79 = 85
CES05 = 48	CES30 = 76	CES55 = 89	CES80 = 79
CES06 = 50	CES31 = 69	CES56 = 79	CES81 = 81
CES07 = 41	CES32 = 62	CES57 = 77	CES82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



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)