

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: P1444523

Luminaire Tested: EHBR1-30-UNV-TA-L835-UPL15

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444523
REPORT IS A COMBINATION OF REPORTS P1444312 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-30-UNV-TA-L835-UPL15
Description: Elevate Round Highbay at, 30000 lumens, 3500K 80CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

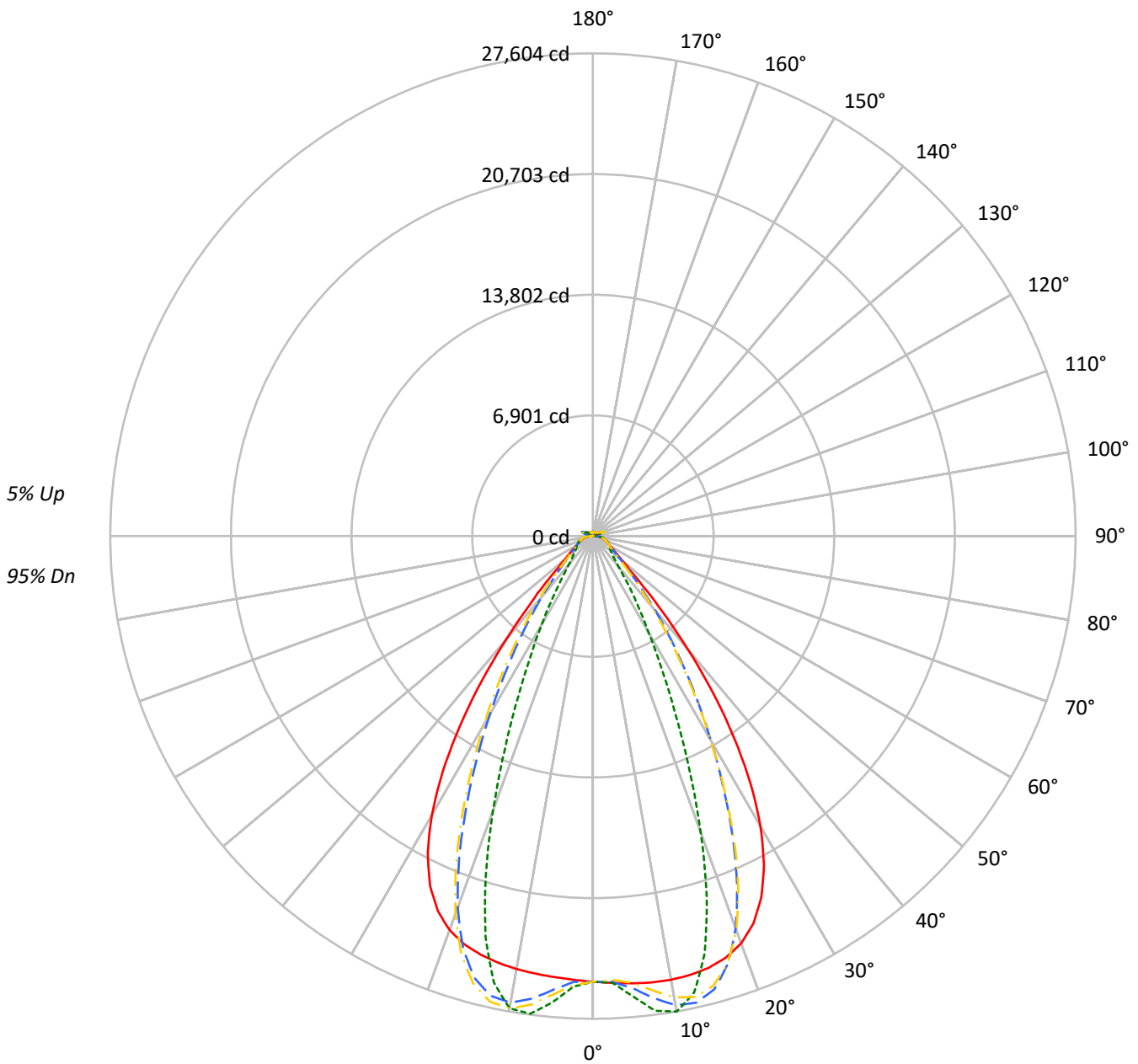
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30943.5 lumens
Efficiency: N/A
Efficacy: 183.0 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 0.77 / 0.88
Luminous Opening: Vertical Cylinder (Dia: 1.71' x H: 0.1')
CIE Type: Direct

Input Watts (W): 169.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	97	97	97	95
1	111	107	104	101	108	105	102	99	99	97	95	95	93	91	90	89	88	88	88	88	86
2	104	98	93	89	101	96	91	88	92	88	85	88	85	82	84	82	80	84	82	80	78
3	98	90	84	79	95	88	83	78	85	80	76	81	78	75	78	75	73	78	75	73	71
4	92	83	77	72	89	81	75	71	79	73	69	76	72	68	73	70	67	73	70	67	65
5	86	77	70	65	84	76	69	65	73	68	64	71	66	63	69	65	61	69	65	61	60
6	82	71	65	60	80	70	64	59	68	63	59	66	61	58	64	60	57	64	60	57	55
7	77	67	60	55	75	66	59	55	64	58	54	62	57	54	61	56	53	61	56	53	51
8	73	62	56	51	71	62	55	51	60	54	50	58	53	50	57	53	49	57	53	49	48
9	69	59	52	48	68	58	52	47	56	51	47	55	50	47	54	49	46	54	49	46	45
10	66	55	49	45	64	54	48	44	53	48	44	52	47	44	51	46	43	51	46	43	42

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	119661	119661	119661	119661
5°	120240	123747	118557	125367
10°	121244	129924	118337	129065
15°	121839	117775	118130	113033
20°	120579	87738	116633	81179
25°	114133	55489	110361	50347
30°	99703	33345	95842	30474
35°	76733	20924	72319	18535
40°	48541	13125	44410	12333
45°	25019	10226	24604	10057
50°	14668	9095	14218	8954
55°	11237	8605	10821	8527
60°	9509	8790	9104	8676
65°	8931	9180	8589	8867
70°	8725	9612	8290	9251
75°	9329	10194	8824	9744
80°	9655	11287	8754	10303
85°	9092	10893	7347	9328

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 38288 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2511.2	8.1
10°-20°	7064.3	22.8
20°-30°	8045.7	26.0
30°-40°	5782.9	18.7
40°-50°	2667.0	8.6
50°-60°	1276.3	4.1
60°-70°	931.2	3.0
70°-80°	707.5	2.3
80°-90°	324.3	1.0
90°-100°	48.4	0.2
100°-110°	259.0	0.8
110°-120°	478.1	1.5
120°-130°	297.5	1.0
130°-140°	197.8	0.6
140°-150°	151.9	0.5
150°-160°	109.2	0.4
160°-170°	67.5	0.2
170°-180°	23.5	0.1
0°-30°	17621.1	56.9
0°-40°	23404.0	75.6
0°-60°	27347.3	88.4
0°-90°	29310.4	94.7
90°-120°	785.6	2.5
90°-150°	1432.8	4.6
90°-180°	1633.0	5.3
0°-180°	30943.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	25481	25481	25481	25481	25481	
5°	25673	26422	25314	26768	25673	2453
15°	25561	24709	24783	23714	25561	7202
25°	22792	11081	22039	10054	22792	10332
35°	14083	3840	13273	3402	14083	8643
45°	4048	1654	3981	1627	4048	3443
55°	1519	1163	1462	1152	1519	1402
65°	932	958	896	926	932	931
75°	657	718	622	686	657	683
85°	312	374	252	321	312	294
90°	81	104	21	26	81	51
95°	22	24	22	24	22	21
105°	95	121	65	121	95	125
115°	419	504	439	504	419	388
125°	322	331	364	332	322	294
135°	263	227	283	230	263	205
145°	242	229	257	233	242	153
155°	232	230	246	233	232	108
165°	237	234	245	236	237	67
175°	245	247	249	248	245	23
180°	248	248	248	248	248	



TEST NUMBER: P1444523
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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9
2.5°	25578.3	25576.3	25575.9	25574.0	25573.6	25573.6	25572.8	25570.6	25569.4	25566.5	25563.1
5°	25673.2	25672.1	25672.7	25672.9	25671.2	25667.2	25660.9	25653.3	25643.6	25634.6	25626.5
7.5°	25746.6	25748.4	25750.7	25750.2	25744.6	25735.3	25722.5	25715.3	25719.6	25733.4	25765.2
10°	25760.0	25771.0	25775.2	25773.9	25762.7	25754.8	25757.9	25784.8	25838.5	25910.3	26008.3
12.5°	25707.8	25721.2	25720.7	25716.3	25705.5	25716.5	25755.5	25835.9	25951.1	26092.5	26258.4
15°	25561.1	25578.5	25573.6	25567.8	25560.6	25596.6	25674.8	25814.3	25992.2	26191.6	26395.7
17.5°	25276.4	25297.4	25287.2	25280.6	25274.6	25342.0	25476.2	25680.6	25904.7	26130.2	26323.6
20°	24782.5	24796.6	24772.3	24760.9	24770.5	24902.7	25100.3	25361.3	25597.5	25810.7	25943.0
22.5°	23976.5	23993.9	23948.4	23943.0	23999.4	24202.3	24452.4	24744.1	24966.1	25135.2	25186.1
25°	22792.3	22809.4	22755.2	22787.6	22883.4	23159.9	23457.6	23769.8	23959.1	24084.3	24049.8
27.5°	21193.9	21209.6	21158.2	21224.3	21375.7	21738.9	22089.4	22428.0	22596.7	22684.5	22573.2
30°	19177.9	19210.5	19149.8	19242.1	19473.2	19944.7	20346.3	20725.9	20894.2	20961.0	20788.0
32.5°	16783.6	16830.0	16763.1	16900.4	17222.8	17789.1	18245.4	18669.7	18855.7	18931.9	18736.6
35°	14083.2	14149.7	14072.9	14278.9	14676.6	15307.3	15812.6	16286.1	16506.5	16614.6	16417.7
37.5°	11222.2	11285.5	11243.9	11518.9	11955.5	12609.3	13125.0	13635.9	13884.9	14047.0	13891.7
40°	8413.3	8471.3	8502.7	8817.0	9227.8	9844.0	10339.3	10844.8	11123.3	11326.8	11231.0
42.5°	5938.1	5996.5	6103.5	6406.8	6749.3	7259.4	7683.7	8137.5	8403.5	8620.6	8583.8
45°	4047.9	4115.7	4249.7	4498.1	4745.8	5111.7	5423.3	5776.2	5993.5	6192.4	6194.8
47.5°	2836.5	2884.2	3003.9	3173.5	3335.0	3793.1	3811.9	3985.3	4131.5	4280.1	4299.4
50°	2186.1	2214.8	2278.2	2372.8	2464.3	2583.2	2692.1	2817.8	2907.7	2989.1	3008.6
52.5°	1796.8	1815.0	1847.3	1898.5	1951.7	2016.3	2074.6	2143.6	2192.5	2236.1	2245.3
55°	1518.6	1533.7	1581.8	1591.5	1652.2	1664.0	1689.9	1731.8	1760.2	1786.4	1792.9
57.5°	1308.7	1319.7	1329.8	1351.7	1370.4	1397.5	1419.4	1449.6	1467.5	1486.4	1488.0
60°	1143.1	1150.9	1158.2	1173.3	1186.1	1205.0	1220.1	1240.6	1253.4	1267.6	1269.2
62.5°	1019.8	1025.5	1030.3	1040.3	1049.3	1063.9	1075.9	1093.0	1105.0	1115.9	1118.4
65°	932.2	936.4	939.5	947.0	955.0	967.3	978.2	992.1	1000.9	1009.3	1011.1
67.5°	854.5	858.5	861.7	868.6	874.1	883.3	890.6	901.1	907.8	914.4	914.6
70°	765.6	769.3	771.7	778.1	782.6	790.5	796.3	805.9	812.6	820.1	821.9
72.5°	704.0	706.2	709.5	715.4	721.5	730.0	737.8	747.7	755.8	763.6	766.9
75°	657.2	659.7	661.9	666.9	671.2	678.3	684.2	693.2	700.4	708.6	712.7
77.5°	589.5	592.5	594.4	599.4	603.1	610.0	614.3	622.3	628.2	635.8	639.5
80°	507.9	510.6	512.0	516.6	519.6	525.9	530.2	537.9	542.8	550.4	554.8
82.5°	417.3	419.9	420.7	425.2	426.7	432.0	435.1	443.0	449.0	458.8	465.7
85°	312.5	313.5	314.9	313.8	320.2	320.6	327.7	329.0	338.5	340.9	351.7
87.5°	191.0	193.9	195.3	199.6	201.5	205.9	207.2	211.9	214.4	219.6	222.1
90°	81.1	85.4	87.0	92.1	93.6	98.1	99.3	104.3	105.9	111.2	113.3
92.5°	19.5	20.7	21.7	23.2	24.3	26.1	27.5	28.8	30.1	31.7	34.1
95°	22.0	23.4	24.7	26.0	27.3	28.7	30.1	31.3	32.7	34.0	37.8
97.5°	27.3	28.5	29.7	30.8	32.0	33.2	34.3	35.5	36.7	37.7	42.4
100°	35.2	36.2	37.1	38.1	39.1	40.1	41.1	42.1	43.1	44.0	52.6
102.5°	57.1	60.6	64.1	67.5	71.0	74.4	78.0	81.3	84.7	88.2	106.4
105°	95.2	104.5	114.1	123.4	132.8	142.3	151.7	161.0	170.5	179.8	209.5
107.5°	160.8	178.1	195.6	213.0	230.5	247.8	265.3	282.6	300.1	317.4	347.5
110°	294.4	308.2	322.3	336.3	350.2	364.4	378.3	392.1	406.2	420.0	442.0



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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°	396.2	402.4	408.7	415.0	421.3	427.5	433.8	440.0	446.3	452.5	468.1
115°	419.1	421.2	423.4	425.5	427.7	429.7	431.9	433.8	435.9	437.9	448.4
117.5°	408.8	408.3	407.8	407.4	406.8	406.2	405.6	405.0	404.3	403.7	409.5
120°	383.7	381.6	379.6	377.4	375.3	373.0	371.0	368.7	366.4	364.1	366.5
122.5°	351.7	349.2	346.8	344.2	341.7	339.0	336.5	333.5	331.0	328.3	329.1
125°	322.5	319.9	317.6	314.8	312.2	309.5	306.8	304.0	301.3	298.4	298.6
127.5°	297.5	295.6	293.9	291.8	289.7	287.8	285.7	283.4	281.5	279.1	279.0
130°	282.3	280.7	279.0	277.0	275.2	273.2	271.2	269.2	267.2	265.0	264.8
132.5°	270.3	269.2	267.9	266.5	265.0	263.3	261.8	259.9	258.4	256.8	256.6
135°	263.3	262.0	260.8	259.5	258.1	256.5	254.9	253.3	251.6	250.0	250.0
137.5°	257.4	256.5	255.3	253.9	252.6	250.9	249.6	247.9	246.4	244.7	244.7
140°	252.3	251.2	250.3	248.9	247.7	246.3	244.8	243.4	241.9	240.3	240.4
142.5°	246.0	245.0	244.2	243.2	242.1	240.9	239.6	238.2	237.1	235.6	235.9
145°	242.4	241.6	240.9	240.1	239.0	237.8	236.7	235.5	234.5	233.2	233.5
147.5°	239.3	238.6	238.0	237.3	236.5	235.4	234.5	233.3	232.4	231.4	231.7
150°	236.6	236.0	235.5	234.7	233.9	233.0	232.0	231.2	230.2	229.1	229.5
152.5°	233.5	232.8	232.3	231.5	230.8	229.8	229.2	228.2	227.3	226.3	226.6
155°	232.4	231.7	231.1	230.4	229.6	228.9	228.1	227.2	226.4	225.4	225.7
157.5°	232.3	231.6	231.2	230.4	230.0	229.3	228.6	227.9	227.2	226.5	226.6
160°	233.5	232.9	232.3	231.6	231.1	230.3	229.7	228.9	228.4	227.7	227.9
162.5°	234.7	234.1	233.5	232.8	232.3	231.6	231.1	230.5	229.9	229.1	229.2
165°	236.6	236.2	235.7	235.2	234.8	234.4	233.9	233.3	232.8	232.2	232.3
167.5°	240.1	239.5	239.1	238.5	238.0	237.7	237.1	236.5	236.1	235.4	235.5
170°	242.1	241.6	241.4	241.1	240.8	240.4	240.1	239.7	239.3	238.9	239.0
172.5°	244.2	243.9	243.7	243.5	243.1	242.9	242.6	242.3	242.1	241.7	242.0
175°	245.0	244.7	244.6	244.4	244.3	244.2	244.1	243.9	243.9	243.6	243.7
177.5°	246.9	246.8	246.8	246.7	246.7	246.6	246.5	246.3	246.2	246.2	246.3
180°	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3



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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°	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9
2.5°	25560.6	25557.5	25553.3	25547.9	25543.3	25537.9	25525.2	25521.4	25525.6	25528.5	25534.3
5°	25621.3	25623.2	25623.9	25635.4	25645.5	25670.5	25866.6	25944.4	26004.7	26042.9	26101.0
7.5°	25804.5	25863.5	25921.7	26000.1	26067.7	26159.0	26502.0	26648.0	26751.7	26826.4	26918.2
10°	26114.8	26243.5	26364.0	26505.2	26626.7	26765.9	27085.1	27227.3	27317.1	27382.5	27443.5
12.5°	26427.4	26605.8	26766.9	26924.2	27055.7	27176.2	27288.5	27338.3	27342.5	27344.6	27312.3
15°	26590.2	26760.7	26902.8	27006.7	27084.0	27118.1	26924.9	26823.5	26695.3	26589.7	26416.0
17.5°	26487.4	26589.7	26651.1	26645.1	26613.2	26506.2	25958.7	25657.5	25358.6	25089.1	24735.9
20°	26030.6	26022.9	25969.4	25818.3	25636.1	25352.8	24414.1	23872.5	23348.8	22889.0	22331.0
22.5°	25180.8	25047.1	24860.7	24534.7	24172.5	23677.6	22332.4	21535.8	20806.8	20162.9	19441.5
25°	23949.5	23674.4	23330.5	22813.0	22250.3	21528.4	19870.3	18879.5	18004.2	17245.2	16412.8
27.5°	22373.7	21959.3	21455.4	20739.1	19976.6	19051.8	17213.6	16120.0	15180.5	14366.7	13480.7
30°	20508.0	19969.0	19318.4	18429.4	17509.7	16460.8	14596.4	13488.8	12537.8	11700.6	10814.0
32.5°	18399.6	17768.4	17006.0	16008.1	15013.5	13935.1	12134.6	11062.5	10154.0	9348.5	8546.1
35°	16074.3	15397.3	14590.7	13572.9	12584.3	11535.8	9883.7	8917.0	8114.8	7402.8	6754.9
37.5°	13579.8	12915.1	12148.5	11189.3	10272.5	9322.4	7896.9	7086.9	6413.6	5822.7	5322.3
40°	10986.4	10404.7	9741.3	8912.1	8129.7	7338.4	6168.2	5525.2	4993.9	4543.3	4168.4
42.5°	8424.5	7973.9	7465.1	6809.8	6211.1	5608.6	4708.0	4231.5	3838.0	3513.6	3248.6
45°	6112.3	5810.8	5469.6	5014.0	4599.8	4179.5	3538.5	3203.7	2947.5	2738.2	2561.3
47.5°	4272.8	4097.9	4087.2	3666.2	3362.4	3105.5	2692.5	2481.1	2324.1	2197.4	2085.4
50°	3000.7	2916.0	2810.9	2660.7	2519.8	2374.5	2122.9	1995.1	1903.1	1826.3	1755.5
52.5°	2243.2	2199.3	2143.3	2063.6	1987.2	1905.5	1746.3	1664.9	1636.0	1564.5	1508.4
55°	1791.8	1766.6	1734.7	1687.8	1641.4	1622.8	1486.3	1425.9	1387.6	1359.4	1329.3
57.5°	1488.3	1469.6	1450.6	1418.8	1392.0	1359.4	1287.0	1255.9	1233.3	1216.6	1195.7
60°	1269.5	1258.3	1247.7	1229.1	1214.5	1197.0	1150.9	1133.5	1121.7	1111.6	1098.3
62.5°	1120.5	1114.7	1109.2	1099.4	1092.0	1082.4	1051.0	1042.5	1036.6	1031.6	1023.5
65°	1013.0	1008.8	1005.7	999.1	995.4	989.9	962.8	957.2	953.5	951.7	947.0
67.5°	915.1	910.9	908.8	904.2	902.6	899.1	877.0	873.9	872.7	873.2	871.6
70°	823.8	821.9	822.9	822.1	824.3	824.9	811.5	811.4	812.8	815.6	815.9
72.5°	769.0	769.0	770.1	770.5	772.5	773.5	762.3	761.7	762.4	764.4	764.5
75°	716.8	717.7	720.5	721.5	723.8	724.3	709.6	707.9	708.0	710.0	709.3
77.5°	644.7	647.8	653.2	656.0	660.6	661.4	644.9	643.0	643.1	645.0	643.2
80°	562.9	568.8	577.4	583.3	590.3	593.1	576.1	572.1	568.3	567.7	564.3
82.5°	475.9	483.2	493.4	498.8	506.2	508.0	479.6	474.1	470.9	471.2	468.1
85°	363.3	368.7	378.2	381.2	385.8	385.4	352.9	339.0	342.7	336.9	341.5
87.5°	227.9	231.1	237.0	237.7	239.9	239.4	206.7	200.3	198.4	198.5	196.2
90°	119.1	121.5	127.0	127.5	131.4	131.2	105.2	102.6	99.9	100.8	97.2
92.5°	36.8	39.1	41.7	44.1	46.7	49.2	48.7	50.2	48.0	45.4	43.2
95°	41.8	45.7	49.6	53.5	57.5	61.4	65.4	69.2	65.5	61.9	58.2
97.5°	47.0	51.6	56.1	60.8	65.4	70.0	74.7	79.3	75.4	71.3	67.4
100°	61.2	69.8	78.4	87.2	95.7	104.3	113.0	121.6	114.0	106.3	98.7
102.5°	124.6	143.0	161.2	179.5	197.7	216.1	234.6	252.9	235.4	217.9	200.4
105°	239.2	268.8	298.4	327.9	357.6	387.2	417.1	446.8	418.9	391.0	363.1
107.5°	377.6	407.6	437.6	467.6	497.7	527.7	558.2	588.3	561.0	533.7	506.4
110°	464.0	485.7	507.6	529.4	551.2	573.1	595.5	617.5	601.2	584.7	568.2



TEST NUMBER: P1444523
 CATALOG NUMBER: EHBR1-30-UNV-TA-L835-UPL15

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	483.6	499.3	514.9	530.3	545.8	561.3	577.8	593.5	585.1	576.6	568.4
115°	458.7	469.4	479.7	490.0	500.5	510.9	522.2	532.9	530.1	527.2	524.4
117.5°	415.2	420.9	426.7	432.4	438.0	443.6	450.8	456.6	456.7	457.0	457.2
120°	368.8	371.1	373.3	375.5	377.7	379.8	383.7	386.2	388.1	390.0	391.9
122.5°	329.8	330.4	331.0	331.6	332.2	332.9	335.3	336.4	337.5	338.7	339.9
125°	298.7	298.9	299.0	299.1	299.1	299.3	301.6	301.9	301.8	301.5	301.3
127.5°	278.7	278.5	278.2	277.9	277.5	277.3	279.2	279.3	278.1	276.8	275.4
130°	264.8	264.6	264.4	264.2	264.1	264.0	266.3	266.6	264.6	262.5	260.4
132.5°	256.5	256.5	256.2	256.3	256.1	255.9	258.5	259.0	256.8	254.3	252.1
135°	249.8	249.9	249.9	249.8	249.7	249.9	252.7	253.3	251.1	248.8	246.6
137.5°	244.5	244.6	244.5	244.7	244.6	244.7	247.8	248.5	246.9	244.8	243.1
140°	240.5	240.6	240.7	240.9	241.0	241.3	244.6	245.5	244.2	242.5	241.0
142.5°	236.1	236.5	236.8	237.3	237.6	238.0	242.0	243.2	242.1	240.8	239.7
145°	233.8	234.5	234.8	235.3	235.8	236.5	240.9	242.3	241.5	240.8	239.9
147.5°	231.8	232.4	232.8	233.3	233.8	234.6	239.2	240.7	240.2	239.5	238.9
150°	229.8	230.4	230.8	231.4	232.0	232.7	238.0	239.8	239.3	238.8	238.2
152.5°	227.0	227.4	227.8	228.3	228.8	229.5	236.0	237.8	237.6	237.0	236.6
155°	225.9	226.2	226.4	226.8	227.1	227.8	234.8	236.7	236.4	236.1	235.8
157.5°	226.7	226.7	226.8	227.0	227.3	227.5	234.9	237.1	236.7	236.4	236.1
160°	227.8	227.9	227.8	228.0	228.0	228.2	235.8	237.8	237.7	237.3	237.0
162.5°	229.4	229.7	229.7	229.9	230.0	230.3	238.0	240.3	239.8	239.4	239.0
165°	232.3	232.3	232.3	232.4	232.4	232.6	239.8	241.7	241.5	241.1	240.9
167.5°	235.4	235.6	235.6	235.8	235.8	236.1	242.8	244.6	244.4	244.1	243.9
170°	238.9	239.1	239.2	239.3	239.5	239.8	245.3	246.9	246.7	246.2	245.9
172.5°	242.1	242.4	242.6	242.7	242.9	243.2	247.9	249.3	249.1	248.8	248.4
175°	243.9	243.9	244.1	244.3	244.5	244.6	248.4	249.5	249.4	249.2	249.0
177.5°	246.5	246.6	246.8	246.9	247.1	247.3	249.6	250.3	250.2	250.2	250.1
180°	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3



TEST NUMBER: P1444523
 CATALOG NUMBER: EHBR1-30-UNV-TA-L835-UPL15

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9
2.5°	25535.6	25544.6	25545.9	25556.4	25555.6	25568.0	25566.1	25576.3	25570.2	25578.7	25571.6
5°	26135.4	26189.8	26218.2	26271.3	26288.1	26335.6	26349.0	26392.4	26394.1	26428.6	26420.7
7.5°	26983.4	27063.5	27111.1	27176.7	27210.0	27264.7	27288.7	27329.1	27342.2	27374.3	27376.7
10°	27489.7	27528.6	27555.8	27574.2	27590.8	27598.7	27607.8	27605.4	27607.8	27604.2	27612.1
12.5°	27290.5	27233.7	27196.1	27124.9	27083.6	27005.0	26966.3	26890.7	26863.2	26798.3	26788.9
15°	26281.8	26083.8	25943.7	25740.2	25612.2	25411.9	25294.8	25114.0	25031.5	24887.9	24850.2
17.5°	24443.4	24075.7	23791.0	23425.9	23172.6	22831.4	22616.8	22334.3	22179.7	21951.9	21873.1
20°	21866.0	21321.9	20894.9	20386.4	20022.4	19568.9	19278.7	18912.5	18699.9	18420.2	18306.8
22.5°	18840.0	18162.4	17629.3	17028.5	16589.4	16084.1	15736.3	15340.1	15108.8	14804.9	14670.4
25°	15721.0	14973.9	14381.2	13748.2	13284.3	12777.7	12429.8	12040.6	11801.3	11512.8	11379.1
27.5°	12738.1	11981.9	11409.0	10820.5	10394.9	9937.8	9624.0	9284.1	9071.8	8825.5	8699.7
30°	10105.8	9438.8	8951.2	8462.8	8108.8	7737.6	7476.7	7195.2	7008.8	6797.9	6678.1
32.5°	7961.1	7446.1	7064.5	6676.9	6387.2	6076.9	5851.5	5603.0	5434.8	5246.5	5138.0
35°	6305.1	5905.0	5600.5	5281.5	5032.5	4768.3	4569.7	4355.2	4204.4	4042.2	3948.5
37.5°	4981.6	4663.5	4412.9	4147.9	3943.5	3724.6	3650.9	3404.8	3248.4	3119.0	3029.4
40°	3909.6	3656.6	3449.3	3246.7	3079.9	2913.9	2780.7	2649.2	2548.3	2455.7	2391.7
42.5°	3053.1	2869.8	2718.4	2570.0	2448.3	2327.4	2230.8	2140.2	2072.3	2011.8	1970.5
45°	2427.1	2301.0	2195.8	2091.3	2005.5	1924.7	1859.7	1801.9	1758.0	1721.7	1695.9
47.5°	1993.9	1907.6	1833.4	1762.9	1704.6	1651.7	1608.1	1594.0	1546.7	1514.9	1502.8
50°	1694.5	1642.4	1586.0	1534.0	1495.1	1456.4	1428.2	1400.5	1382.8	1368.1	1363.8
52.5°	1471.1	1431.3	1399.9	1367.0	1341.3	1313.7	1294.2	1275.8	1266.1	1258.5	1257.5
55°	1305.0	1277.2	1256.3	1234.2	1218.9	1202.7	1192.6	1182.9	1178.7	1174.8	1175.1
57.5°	1179.3	1160.7	1147.2	1132.8	1124.6	1116.8	1114.3	1111.8	1113.1	1113.7	1115.8
60°	1087.7	1075.6	1067.2	1058.9	1055.4	1052.9	1054.8	1057.0	1061.4	1065.0	1068.2
62.5°	1017.5	1010.6	1006.5	1002.1	1001.7	1001.9	1005.7	1009.3	1014.9	1019.1	1022.2
65°	945.3	941.3	940.0	937.1	938.6	939.5	944.0	946.8	952.4	955.7	959.6
67.5°	872.3	871.4	872.2	872.2	874.8	876.9	881.3	884.5	889.2	892.2	895.4
70°	818.4	818.7	820.8	821.1	823.9	825.3	829.1	831.3	835.4	838.0	841.9
72.5°	766.0	765.1	765.6	764.4	765.3	764.9	767.0	768.0	771.6	773.7	778.3
75°	710.1	707.8	707.2	704.7	704.8	703.0	703.8	703.8	706.1	707.0	710.4
77.5°	642.8	638.8	636.8	632.6	632.5	630.9	632.6	633.6	637.8	639.8	643.6
80°	562.1	555.9	553.0	548.1	549.0	548.7	552.8	556.0	561.0	562.0	566.9
82.5°	467.2	460.9	457.9	453.0	454.2	454.3	458.0	458.6	463.1	465.0	470.7
85°	334.5	336.9	330.3	330.7	329.3	331.9	334.5	337.7	341.4	347.5	352.3
87.5°	197.0	196.2	198.5	198.8	202.2	204.0	209.4	212.5	218.7	223.5	232.2
90°	97.0	93.5	94.9	93.5	96.4	95.0	97.7	95.9	99.2	99.3	103.7
92.5°	40.3	38.2	35.4	33.1	30.4	28.3	26.8	25.9	24.4	23.7	22.2
95°	54.5	50.9	47.2	43.5	39.9	36.3	34.9	33.5	32.3	30.9	29.6
97.5°	63.4	59.5	55.6	51.6	47.6	43.7	42.9	42.0	41.0	40.1	39.3
100°	91.0	83.4	75.8	68.2	60.6	53.0	52.4	51.6	50.9	50.2	49.5
102.5°	183.1	165.5	148.2	130.7	113.3	96.0	93.0	90.0	86.9	83.9	80.9
105°	335.2	307.3	279.4	251.5	223.8	195.9	187.6	179.1	170.8	162.5	154.3
107.5°	479.2	451.9	424.8	397.5	370.4	343.2	330.1	317.0	303.7	290.6	277.5
110°	551.6	535.2	518.9	502.4	486.1	469.8	457.1	444.7	432.0	419.5	406.9



TEST NUMBER: P1444523
 CATALOG NUMBER: EHBR1-30-UNV-TA-L835-UPL15

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	560.0	551.7	543.4	535.1	527.0	518.6	512.5	506.3	500.2	494.0	487.8
115°	521.5	518.7	515.9	513.2	510.5	507.7	507.1	506.8	506.1	505.7	505.3
117.5°	457.3	457.7	457.8	458.0	458.4	458.7	461.8	464.8	468.0	471.3	474.5
120°	393.8	395.7	397.5	399.5	401.4	403.6	407.6	411.9	416.0	420.4	424.8
122.5°	341.0	342.2	343.2	344.7	345.9	347.1	351.1	355.3	359.3	363.6	368.0
125°	300.8	300.4	300.2	299.8	299.4	299.3	302.4	305.8	309.1	312.7	316.0
127.5°	274.0	272.6	271.2	269.8	268.4	267.1	268.9	270.7	272.4	274.3	276.2
130°	258.2	256.2	253.9	251.9	249.6	247.5	248.0	248.5	249.0	249.6	250.2
132.5°	249.6	247.3	244.7	242.3	239.9	237.5	237.0	236.6	236.1	235.9	235.6
135°	244.2	242.1	239.6	237.3	234.9	232.7	231.7	230.8	230.0	229.2	228.5
137.5°	241.1	239.2	237.4	235.5	233.4	231.5	230.3	229.3	228.2	227.4	226.3
140°	239.4	237.8	236.1	234.6	232.9	231.4	230.3	229.4	228.5	227.8	226.9
142.5°	238.2	237.2	235.8	234.6	233.3	232.1	231.2	230.3	229.3	228.5	227.8
145°	238.9	238.1	237.2	236.2	235.4	234.6	233.6	232.9	232.1	231.5	231.0
147.5°	238.3	237.8	237.1	236.4	235.6	234.9	234.4	234.0	233.2	232.8	232.2
150°	237.6	237.1	236.4	236.0	235.2	234.6	234.2	233.8	233.3	233.1	232.6
152.5°	235.9	235.5	234.9	234.5	233.8	233.3	232.9	232.6	232.2	231.9	231.4
155°	235.3	234.9	234.5	234.1	233.5	233.2	232.7	232.2	231.9	231.5	231.1
157.5°	235.7	235.4	234.9	234.6	234.1	233.7	233.3	232.9	232.4	232.1	231.7
160°	236.6	236.3	235.8	235.5	235.1	234.7	234.2	233.8	233.2	232.8	232.3
162.5°	238.5	238.1	237.8	237.3	236.8	236.4	235.9	235.5	235.1	234.7	234.3
165°	240.5	240.1	239.7	239.3	239.1	238.7	238.1	237.8	237.2	236.8	236.2
167.5°	243.5	243.2	242.8	242.5	242.0	241.7	241.3	240.9	240.4	239.9	239.4
170°	245.6	245.2	244.9	244.4	244.1	243.7	243.3	242.8	242.3	242.0	241.5
172.5°	248.1	248.0	247.7	247.4	247.0	246.7	246.4	246.0	245.6	245.2	245.0
175°	248.9	248.8	248.7	248.4	248.3	248.1	247.9	247.8	247.6	247.5	247.3
177.5°	250.1	250.0	250.0	249.8	249.7	249.7	249.5	249.4	249.2	249.0	248.9
180°	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3



TEST NUMBER: P1444523
 CATALOG NUMBER: EHBR1-30-UNV-TA-L835-UPL15

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9
2.5°	25579.0	25572.5	25575.6	25563.6	25566.5	25552.0	25550.7	25534.3	25532.7	25517.3	25511.6
5°	26445.0	26430.8	26446.9	26421.9	26426.7	26394.1	26391.4	26349.3	26334.8	26282.0	26259.3
7.5°	27396.8	27391.5	27401.3	27380.3	27379.7	27350.6	27338.6	27300.8	27277.4	27222.1	27186.7
10°	27605.4	27610.3	27602.3	27604.2	27592.9	27589.8	27578.1	27570.8	27551.9	27537.5	27516.4
12.5°	26739.5	26744.6	26711.7	26732.6	26716.0	26754.7	26751.6	26797.1	26804.1	26861.7	26883.5
15°	24738.3	24732.1	24668.7	24708.6	24687.2	24772.1	24791.0	24905.1	24966.1	25112.6	25202.6
17.5°	21715.2	21698.9	21609.6	21658.3	21633.6	21758.6	21800.6	21982.9	22096.8	22332.8	22500.9
20°	18111.6	18080.3	17975.9	18032.8	18007.3	18149.4	18209.3	18429.8	18576.5	18889.1	19111.5
22.5°	14463.1	14413.8	14311.5	14364.6	14340.6	14487.7	14565.6	14786.9	14955.0	15275.9	15535.4
25°	11186.9	11142.9	11044.1	11081.2	11072.3	11196.8	11266.0	11475.4	11640.5	11946.2	12193.9
27.5°	8532.6	8486.7	8397.4	8423.8	8414.7	8520.7	8586.1	8760.9	8903.0	9160.3	9377.9
30°	6530.4	6475.1	6399.4	6413.9	6407.7	6493.6	6554.6	6701.9	6823.7	7041.2	7228.6
32.5°	5005.6	4950.0	4880.4	4887.2	4878.1	4945.5	4995.8	5123.8	5229.9	5414.8	5578.0
35°	3829.9	3894.8	3746.1	3840.3	3742.2	3886.2	3834.5	3914.5	4005.8	4161.6	4297.6
37.5°	2944.3	2899.1	2860.9	2856.8	2856.6	2890.0	2929.3	3006.3	3086.8	3202.8	3322.8
40°	2333.2	2301.5	2276.8	2274.9	2276.8	2300.4	2329.5	2382.8	2441.7	2525.1	2613.2
42.5°	1935.2	1914.1	1899.2	1898.1	1902.9	1919.7	1939.9	1971.5	2009.8	2063.9	2124.3
45°	1674.9	1663.2	1654.9	1654.5	1656.6	1665.3	1677.0	1696.7	1721.0	1754.7	1792.9
47.5°	1492.2	1489.4	1484.2	1484.4	1482.1	1485.7	1487.0	1498.1	1511.0	1536.4	1586.3
50°	1359.3	1359.3	1355.7	1355.5	1352.1	1351.9	1349.1	1353.5	1359.5	1375.3	1391.2
52.5°	1254.2	1253.8	1249.9	1249.2	1245.6	1245.4	1243.0	1244.7	1245.5	1253.4	1263.0
55°	1172.1	1169.6	1164.5	1162.9	1161.5	1163.5	1162.6	1162.7	1161.6	1165.0	1167.8
57.5°	1113.1	1109.9	1105.1	1103.6	1103.3	1105.8	1105.9	1105.0	1100.5	1097.5	1093.2
60°	1066.5	1063.3	1058.0	1056.7	1057.5	1060.9	1060.7	1057.9	1051.3	1045.5	1038.8
62.5°	1020.6	1019.4	1016.6	1016.4	1015.7	1016.3	1013.8	1010.8	1004.3	998.2	991.0
65°	959.1	959.8	957.9	958.2	955.8	955.4	951.8	948.9	942.3	936.8	929.3
67.5°	895.3	895.8	894.2	894.2	893.0	893.2	891.0	888.3	882.6	878.2	872.4
70°	842.7	844.1	843.1	843.4	841.9	841.3	837.9	835.3	829.5	825.7	820.6
72.5°	779.8	782.6	782.5	783.2	780.9	779.8	775.7	772.4	767.2	764.2	760.0
75°	711.8	715.5	716.5	718.1	714.9	713.2	708.7	706.1	701.8	700.1	697.4
77.5°	645.4	649.5	653.3	656.9	651.7	647.0	641.5	637.2	631.2	628.8	624.6
80°	570.8	578.1	586.6	593.8	584.5	575.0	565.9	559.1	551.0	547.7	542.4
82.5°	473.6	480.9	485.9	490.5	483.9	477.1	468.2	462.2	453.6	450.4	444.2
85°	359.8	368.9	371.8	374.4	370.2	366.5	358.2	346.9	341.5	332.9	328.4
87.5°	236.7	242.1	243.2	244.1	241.4	239.7	234.3	229.0	219.6	212.8	204.6
90°	102.8	105.7	103.0	103.7	101.0	102.1	97.3	96.2	89.2	87.0	80.8
92.5°	21.2	19.8	18.7	17.5	19.1	19.9	21.4	22.2	23.6	24.4	25.9
95°	28.2	27.0	25.6	24.2	25.3	26.4	27.4	28.5	29.6	30.6	31.7
97.5°	38.4	37.4	36.6	35.7	36.3	36.9	37.5	38.2	38.8	39.5	40.1
100°	48.8	48.1	47.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
102.5°	77.9	74.8	71.8	68.7	70.8	72.8	74.9	76.9	79.0	81.1	83.1
105°	145.9	137.7	129.3	121.1	129.2	137.1	145.2	153.2	161.2	169.4	177.4
107.5°	264.3	251.2	238.1	225.0	239.8	254.3	269.0	283.5	298.2	312.7	327.5
110°	394.5	382.0	369.6	357.1	372.6	388.1	403.7	419.2	434.7	450.2	465.9



TEST NUMBER: P1444523
 CATALOG NUMBER: EHBR1-30-UNV-TA-L835-UPL15

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	481.7	475.7	469.6	463.6	473.6	483.5	493.5	503.7	513.6	523.7	533.7
115°	504.8	504.4	504.1	503.7	508.5	513.2	517.9	522.7	527.6	532.3	537.2
117.5°	477.7	481.0	484.4	487.8	489.4	490.8	492.5	493.9	495.7	497.2	499.0
120°	429.3	433.4	438.0	442.5	442.0	441.3	440.8	440.2	439.8	439.3	439.1
122.5°	372.3	376.7	381.3	385.7	384.4	383.0	381.8	380.6	379.5	378.2	377.3
125°	319.8	323.3	327.1	330.7	329.4	328.0	326.9	325.8	324.6	323.5	322.7
127.5°	278.5	280.6	282.7	285.1	284.5	283.8	283.5	282.9	282.6	282.4	282.3
130°	250.9	251.8	252.9	253.8	254.0	254.2	254.5	254.9	255.5	256.0	256.7
132.5°	235.7	235.6	235.7	235.9	236.6	237.4	238.2	239.2	240.4	241.4	242.9
135°	228.1	227.6	227.2	226.9	228.0	228.9	230.2	231.4	233.0	234.6	236.2
137.5°	225.7	225.0	224.6	223.9	225.0	226.0	227.3	228.5	230.1	231.6	233.3
140°	226.2	225.6	225.2	224.7	225.7	226.7	228.0	229.2	230.7	232.2	233.9
142.5°	227.2	226.5	226.1	225.7	226.5	227.5	228.7	229.8	231.3	232.4	234.0
145°	230.4	229.8	229.5	229.1	229.7	230.5	231.3	232.1	233.2	234.1	235.3
147.5°	231.8	231.4	231.3	231.0	231.5	231.9	232.6	233.1	234.0	234.6	235.6
150°	232.5	232.1	231.9	231.8	232.1	232.3	232.8	233.1	233.6	234.1	234.8
152.5°	231.3	230.9	230.9	230.7	230.9	231.2	231.5	231.8	232.2	232.6	233.2
155°	230.9	230.6	230.3	230.0	230.0	230.0	230.2	230.2	230.4	230.5	230.8
157.5°	231.5	231.2	231.0	230.6	230.5	230.3	230.3	230.2	230.2	230.0	230.1
160°	232.0	231.5	231.2	230.8	230.8	230.6	230.6	230.4	230.5	230.5	230.5
162.5°	234.0	233.6	233.4	233.0	232.8	232.4	232.2	231.8	231.6	231.4	231.4
165°	235.7	235.2	234.8	234.4	234.3	234.1	233.9	233.7	233.6	233.4	233.4
167.5°	239.1	238.5	238.1	237.7	237.4	237.0	236.8	236.4	236.2	235.9	235.8
170°	241.2	240.8	240.5	240.1	239.9	239.6	239.5	239.3	239.2	239.1	239.1
172.5°	244.7	244.3	244.1	243.8	243.6	243.4	243.3	243.2	243.1	243.1	243.0
175°	247.2	247.0	246.9	246.8	246.6	246.5	246.3	246.2	246.1	245.9	245.8
177.5°	248.6	248.4	248.3	248.2	248.1	248.1	248.1	248.1	248.1	248.0	247.9
180°	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3



TEST NUMBER: P1444523
 CATALOG NUMBER: EHBR1-30-UNV-TA-L835-UPL15

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9
2.5°	25495.0	25488.3	25470.7	25461.9	25445.6	25437.4	25424.7	25416.5	25406.2	25398.5	25394.5
5°	26201.4	26168.8	26103.4	26063.2	25992.7	25946.3	25876.2	25824.8	25752.4	25699.1	25630.7
7.5°	27120.5	27070.4	26986.8	26923.3	26824.5	26749.1	26638.4	26549.8	26427.4	26325.8	26200.8
10°	27494.6	27465.5	27427.8	27387.0	27332.3	27278.7	27203.1	27126.0	27023.3	26921.1	26787.6
12.5°	26941.6	26969.1	27023.3	27048.6	27090.0	27104.1	27123.1	27114.2	27097.4	27055.7	26995.1
15°	25375.3	25490.2	25671.5	25796.8	25972.5	26096.0	26259.3	26364.4	26485.5	26557.8	26626.5
17.5°	22799.0	23020.9	23340.9	23596.1	23938.9	24217.4	24558.8	24827.0	25136.6	25374.3	25627.2
20°	19499.1	19809.8	20251.5	20626.6	21123.2	21544.2	22083.7	22535.5	23062.6	23502.0	23976.3
22.5°	15947.4	16313.0	16819.0	17271.5	17864.5	18394.1	19069.9	19667.4	20380.1	21018.4	21724.6
25°	12596.8	12955.1	13470.6	13939.2	14579.2	15162.6	15901.0	16586.4	17413.4	18184.5	19069.9
27.5°	9723.5	10041.8	10495.0	10916.7	11502.9	12075.7	12825.0	13556.0	14438.3	15267.1	16221.2
30°	7509.3	7767.5	8130.7	8469.8	8940.5	9408.9	10076.4	10752.3	11630.4	12489.2	13467.3
32.5°	5819.5	6039.7	6342.8	6618.1	6980.8	7333.9	7825.5	8365.7	9135.9	9958.5	10904.3
35°	4505.0	4693.3	4951.3	5188.4	5486.7	5767.1	6133.9	6519.4	7107.2	7799.1	8645.5
37.5°	3591.6	3668.4	3852.5	4046.8	4294.5	4524.9	4811.8	5097.0	5517.5	6063.4	6754.9
40°	2731.3	2853.3	3003.1	3156.2	3343.7	3528.5	3843.4	3994.9	4271.8	4663.7	5200.4
42.5°	2203.8	2289.6	2395.1	2501.5	2632.2	2760.9	2920.1	3082.3	3289.2	3554.7	3936.5
45°	1844.2	1900.2	1968.1	2039.0	2124.9	2212.7	2319.3	2430.6	2570.9	2734.1	2966.0
47.5°	1603.9	1634.9	1679.3	1727.7	1786.5	1847.3	1916.6	1987.6	2074.8	2171.6	2303.5
50°	1416.4	1442.2	1476.7	1509.1	1549.6	1612.0	1639.5	1678.7	1731.1	1788.1	1861.9
52.5°	1280.8	1297.9	1319.6	1338.2	1363.9	1387.1	1417.8	1444.7	1481.0	1515.2	1562.9
55°	1175.1	1181.3	1193.6	1205.5	1223.3	1239.3	1260.2	1277.9	1301.0	1321.5	1351.6
57.5°	1093.4	1094.0	1099.7	1105.9	1117.4	1127.4	1141.8	1153.5	1169.5	1182.5	1200.6
60°	1034.8	1031.7	1032.8	1035.0	1041.5	1048.0	1057.2	1064.7	1074.8	1082.2	1092.4
62.5°	986.0	981.1	980.0	979.4	982.6	984.9	990.0	993.7	999.4	1002.6	1008.0
65°	924.3	918.6	916.3	913.7	914.6	913.9	915.7	915.8	918.7	919.4	922.5
67.5°	868.4	863.6	860.7	857.1	855.5	853.0	851.8	849.4	849.0	846.9	846.4
70°	817.4	812.7	810.2	806.9	805.3	801.9	799.7	795.6	793.1	789.3	787.1
72.5°	758.4	755.7	755.0	752.7	752.1	750.3	749.4	746.5	744.8	741.5	739.6
75°	696.8	694.5	694.3	692.1	691.9	689.7	689.1	686.0	684.4	681.1	679.6
77.5°	623.3	620.1	619.1	616.5	617.2	616.0	617.0	614.5	613.6	610.3	609.2
80°	540.6	536.4	534.6	531.2	532.1	530.6	532.1	531.9	533.2	530.6	530.1
82.5°	442.5	438.0	437.1	434.7	436.3	436.5	440.0	438.1	438.9	436.4	437.4
85°	322.0	318.6	313.9	313.3	310.2	313.4	309.3	312.0	307.6	310.7	306.5
87.5°	199.6	192.7	189.0	183.9	182.1	177.2	175.3	171.8	172.8	171.2	172.1
90°	80.0	74.5	74.1	69.9	70.4	67.0	68.3	66.1	68.0	65.6	67.8
92.5°	26.8	27.9	30.0	32.4	34.3	36.5	38.5	40.9	42.9	45.2	47.1
95°	32.8	33.8	36.7	39.6	42.4	45.2	48.2	51.0	53.8	56.7	59.5
97.5°	40.8	41.4	44.2	47.1	49.9	52.8	55.7	58.8	61.6	64.5	67.3
100°	46.6	46.7	54.9	62.9	71.1	79.2	87.4	95.4	103.7	111.8	119.9
102.5°	85.1	87.2	107.6	128.2	148.7	169.2	189.8	210.3	230.9	251.5	272.1
105°	185.4	193.5	224.8	256.2	287.4	318.8	350.1	381.6	413.0	444.4	475.7
107.5°	342.1	356.8	385.1	413.4	441.8	470.2	498.6	526.9	555.3	583.7	612.2
110°	481.4	497.0	516.0	535.0	554.1	573.1	592.1	611.2	630.4	649.5	668.7



TEST NUMBER: P1444523
 CATALOG NUMBER: EHBR1-30-UNV-TA-L835-UPL15

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	543.8	553.9	565.0	576.2	587.4	598.6	609.7	620.9	632.3	643.6	654.9
115°	542.1	547.0	551.2	555.8	560.1	564.7	569.3	573.9	578.6	583.1	587.8
117.5°	500.5	502.5	503.2	504.1	505.0	506.0	507.0	508.0	509.1	510.2	511.2
120°	438.7	438.4	437.9	437.4	436.8	436.5	436.2	435.9	435.7	435.5	435.1
122.5°	376.2	375.3	374.9	374.6	374.2	374.0	373.7	373.7	373.4	373.3	373.1
125°	321.7	320.8	321.8	322.8	323.9	325.0	326.0	327.2	328.4	329.6	330.8
127.5°	282.0	282.1	284.1	286.1	288.2	290.4	292.6	294.9	296.9	299.3	301.5
130°	257.4	258.3	260.7	263.4	266.0	268.8	271.5	274.3	276.8	279.6	282.3
132.5°	244.2	245.7	247.9	250.6	253.2	255.9	258.4	261.1	263.7	266.5	268.9
135°	237.9	239.7	242.0	244.4	246.9	249.4	251.7	254.3	256.7	259.1	261.4
137.5°	234.9	236.8	238.8	240.8	242.7	244.9	246.9	249.0	250.8	253.0	254.9
140°	235.5	237.3	238.5	240.0	241.3	242.7	243.9	245.3	246.6	248.0	249.3
142.5°	235.4	237.2	237.9	239.0	239.8	241.0	242.0	243.1	243.9	244.7	245.6
145°	236.5	237.8	238.0	238.5	239.0	239.5	239.8	240.2	240.5	240.9	241.1
147.5°	236.5	237.6	237.6	237.8	238.1	238.2	238.3	238.5	238.6	238.8	238.9
150°	235.3	236.1	235.9	236.0	235.8	235.8	235.7	235.7	235.5	235.6	235.4
152.5°	233.6	234.2	233.8	233.9	233.6	233.4	233.2	233.1	232.8	232.7	232.6
155°	230.9	231.2	231.0	230.9	230.7	230.6	230.5	230.6	230.5	230.4	230.4
157.5°	230.1	230.1	230.0	229.9	229.7	229.7	229.7	229.7	229.7	229.9	230.0
160°	230.4	230.5	230.3	230.2	230.1	230.0	230.0	230.1	230.1	230.4	230.5
162.5°	231.1	231.0	230.8	230.7	230.6	230.6	230.7	230.9	230.9	231.1	231.3
165°	233.4	233.5	233.1	233.1	232.9	232.8	232.8	232.8	232.9	233.0	233.1
167.5°	235.6	235.5	235.5	235.6	235.6	235.7	235.8	236.2	236.3	236.7	236.7
170°	239.0	239.1	238.9	238.9	238.8	238.8	238.8	238.8	238.8	238.9	238.9
172.5°	243.0	243.0	242.8	242.6	242.4	242.3	242.2	242.1	241.9	241.8	241.6
175°	245.6	245.5	245.4	245.3	245.2	245.0	245.0	244.7	244.6	244.5	244.4
177.5°	247.8	247.6	247.5	247.5	247.4	247.4	247.4	247.3	247.3	247.3	247.1
180°	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3



TEST NUMBER: P1444523
 CATALOG NUMBER: EHBR1-30-UNV-TA-L835-UPL15

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9
2.5°	25389.4	25389.1	25386.7	25387.9	25388.3	25390.1	25392.3	25394.5	25395.0	25396.8	25397.2
5°	25579.5	25516.6	25470.2	25419.1	25380.7	25346.1	25323.1	25304.8	25297.7	25299.4	25303.7
7.5°	26094.7	25965.1	25858.0	25736.4	25635.0	25527.6	25438.6	25353.9	25292.3	25246.3	25220.6
10°	26660.1	26502.1	26351.1	26175.1	26008.1	25829.9	25668.5	25506.0	25370.5	25252.8	25166.4
12.5°	26911.0	26799.3	26668.7	26502.6	26324.0	26118.4	25910.8	25688.1	25481.1	25289.0	25134.0
15°	26645.4	26645.6	26597.9	26518.2	26394.1	26229.8	26032.0	25799.9	25555.7	25306.5	25078.8
17.5°	25802.1	25961.2	26049.6	26105.7	26088.4	26027.9	25902.0	25723.8	25496.2	25230.7	24952.9
20°	24353.9	24729.2	24996.7	25237.3	25372.2	25461.7	25452.8	25380.3	25218.2	24992.4	24703.1
22.5°	22325.2	22955.1	23452.1	23915.6	24240.6	24505.0	24630.8	24684.1	24610.6	24453.4	24181.7
25°	19861.2	20717.6	21448.5	22157.8	22689.8	23147.1	23421.9	23615.5	23630.9	23548.7	23306.3
27.5°	17123.2	18134.1	19059.1	20001.8	20750.1	21407.4	21838.7	22154.4	22254.6	22241.4	22021.3
30°	14388.8	15450.0	16469.7	17568.8	18494.7	19334.5	19904.3	20331.2	20495.7	20527.2	20315.5
32.5°	11806.3	12852.9	13869.6	15018.8	16037.7	17000.2	17673.3	18180.5	18371.8	18416.8	18184.5
35°	9462.6	10428.2	11394.4	12508.2	13521.2	14517.8	15227.1	15758.1	15936.8	15966.8	15698.1
37.5°	7430.2	8252.8	9094.8	10094.1	11024.4	11960.5	12634.3	13133.3	13263.4	13255.4	12951.1
40°	5718.9	6358.5	7035.0	7857.7	8631.1	9422.4	9991.5	10403.9	10472.3	10421.7	10102.1
42.5°	4300.3	4762.2	5252.7	5866.8	6440.7	7032.8	7446.9	7753.2	7762.9	7682.8	7395.9
45°	3203.7	3654.4	3860.1	4231.3	4600.9	4994.8	5247.6	5436.8	5407.5	5337.0	5119.0
47.5°	2442.3	2615.5	2799.2	3029.4	3244.7	3691.5	3658.5	3962.3	3743.4	3892.6	3564.2
50°	1939.4	2036.2	2135.2	2257.4	2369.8	2486.7	2559.7	2614.2	2607.1	2583.7	2520.7
52.5°	1650.0	1679.9	1728.6	1798.2	1861.0	1924.1	1965.7	1999.5	2000.1	1990.7	1958.8
55°	1379.0	1417.0	1452.0	1497.5	1574.8	1586.7	1646.3	1634.2	1638.9	1622.4	1639.3
57.5°	1215.9	1237.9	1257.7	1284.7	1307.0	1333.1	1348.5	1363.4	1361.9	1358.7	1342.5
60°	1100.2	1112.4	1123.4	1139.2	1151.4	1166.2	1173.2	1180.8	1178.4	1172.9	1158.4
62.5°	1011.1	1018.8	1025.0	1035.2	1042.6	1051.8	1055.5	1058.7	1055.5	1050.3	1037.6
65°	923.2	928.1	932.1	939.8	945.0	952.8	955.9	959.0	956.0	952.0	942.3
67.5°	843.9	844.3	844.0	847.1	848.7	853.5	854.8	857.0	853.6	850.1	841.9
70°	783.7	782.5	781.0	782.2	782.5	784.7	785.1	784.7	780.7	774.6	765.7
72.5°	736.7	736.0	734.9	735.9	735.9	738.0	737.4	736.3	731.3	725.5	716.5
75°	676.2	675.8	673.5	673.6	671.8	672.3	669.9	668.6	662.9	658.0	650.1
77.5°	605.5	604.4	601.1	599.8	596.2	594.8	590.1	587.9	582.2	578.2	571.4
80°	526.6	525.3	521.1	518.7	513.0	509.4	502.7	498.8	492.3	488.4	481.8
82.5°	435.3	435.7	431.5	428.6	420.4	414.2	405.1	400.3	393.1	389.3	382.4
85°	309.6	305.1	307.5	307.3	302.2	296.8	289.4	284.3	278.2	274.6	269.8
87.5°	169.8	170.8	169.6	168.5	164.9	162.2	156.5	153.5	149.0	146.8	143.2
90°	62.4	61.6	56.4	55.7	50.7	48.4	42.8	41.1	35.9	34.9	31.3
92.5°	44.7	42.3	40.1	37.5	35.3	32.9	30.5	28.1	25.7	24.7	24.1
95°	56.0	52.7	49.3	45.8	42.3	38.8	35.5	32.0	28.5	27.8	27.1
97.5°	63.3	59.2	55.1	51.1	47.0	43.0	38.9	34.8	30.7	30.3	29.9
100°	110.6	101.1	91.7	82.3	72.9	63.5	54.2	44.7	35.4	34.8	34.3
102.5°	249.2	226.4	203.6	180.8	158.1	135.3	112.5	89.6	66.8	63.5	60.2
105°	441.2	406.6	372.2	337.7	303.1	268.6	234.2	199.5	164.9	153.9	142.7
107.5°	579.8	547.4	515.0	482.6	450.1	417.8	385.1	352.7	320.2	300.7	281.2
110°	643.0	617.3	591.7	566.0	540.4	514.7	488.9	463.2	437.5	420.6	404.0



TEST NUMBER: P1444523
 CATALOG NUMBER: EHBR1-30-UNV-TA-L835-UPL15

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	636.2	617.5	598.8	580.0	561.3	542.5	523.7	504.9	486.0	475.9	465.8
115°	576.6	565.4	554.3	543.1	531.9	520.7	509.5	498.1	486.8	481.6	476.4
117.5°	505.9	500.2	494.8	489.1	483.5	477.8	472.3	466.6	461.0	459.3	457.6
120°	433.9	432.5	430.9	429.4	427.9	426.3	424.8	423.2	421.6	422.1	422.6
122.5°	374.2	375.1	376.3	377.2	378.2	379.1	380.2	380.9	381.8	383.6	385.3
125°	332.9	334.9	336.9	339.0	341.0	343.0	345.0	346.8	349.0	350.6	352.6
127.5°	303.9	306.0	308.4	310.7	313.0	315.1	317.5	319.5	321.8	323.5	325.2
130°	284.4	286.3	288.5	290.4	292.4	294.5	296.4	298.4	300.5	301.8	303.4
132.5°	270.8	272.8	274.7	276.3	278.4	280.1	282.1	283.9	285.8	287.0	288.3
135°	263.1	264.5	266.0	267.3	269.1	270.4	272.0	273.5	275.2	276.1	277.2
137.5°	256.3	257.3	258.8	260.0	261.4	262.6	264.0	265.3	266.9	267.5	268.4
140°	250.5	251.8	253.1	254.3	255.8	256.9	258.5	260.0	261.5	262.1	263.0
142.5°	246.8	247.6	248.8	249.8	250.9	251.9	253.3	254.5	255.9	256.6	257.3
145°	242.3	243.5	244.6	245.8	246.9	248.2	249.7	251.1	252.6	253.1	253.7
147.5°	239.8	240.8	241.8	242.8	243.9	244.9	246.3	247.5	248.9	249.4	250.1
150°	236.5	237.5	238.4	239.4	240.6	241.8	243.1	244.4	246.0	246.6	247.3
152.5°	233.6	234.6	235.7	236.9	238.0	239.3	240.7	242.1	243.6	244.1	244.8
155°	231.4	232.4	233.6	234.8	236.0	237.2	238.5	239.9	241.2	242.0	242.6
157.5°	231.0	231.8	232.9	234.1	235.0	236.2	237.5	238.6	239.9	240.5	241.0
160°	231.4	232.2	233.3	234.3	235.2	236.2	237.4	238.3	239.5	240.1	240.7
162.5°	232.2	233.1	234.2	234.8	236.0	237.0	238.1	239.0	240.2	240.7	241.1
165°	233.9	234.6	235.3	236.0	236.8	237.5	238.4	239.1	240.1	240.5	241.0
167.5°	237.5	237.9	238.4	239.0	239.8	240.4	241.0	241.6	242.4	242.8	243.3
170°	239.5	240.0	240.4	241.0	241.5	242.1	242.6	243.1	243.9	244.2	244.7
172.5°	242.0	242.2	242.7	243.0	243.3	243.6	244.1	244.4	244.8	245.3	245.7
175°	244.7	244.8	245.0	245.1	245.2	245.4	245.7	245.9	246.1	246.4	246.7
177.5°	247.2	247.3	247.4	247.4	247.7	247.8	248.0	248.1	248.3	248.6	248.9
180°	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3



TEST NUMBER: P1444523
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CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9
2.5°	25396.3	25396.1	25395.2	25394.1	25392.9	25393.6	25394.7	25397.7	25402.8	25410.2	25419.8
5°	25307.2	25312.4	25315.3	25315.7	25313.0	25311.5	25313.9	25320.9	25334.9	25358.6	25390.5
7.5°	25213.7	25220.1	25229.9	25237.3	25238.7	25236.9	25237.3	25248.2	25274.2	25320.2	25384.8
10°	25113.8	25094.9	25104.9	25123.2	25137.8	25140.4	25142.3	25155.1	25193.2	25262.6	25366.2
12.5°	25021.7	24961.6	24950.1	24966.6	24988.7	24995.7	24993.8	24999.3	25043.8	25135.8	25280.2
15°	24900.4	24787.4	24748.8	24753.0	24780.3	24790.2	24783.0	24772.1	24815.4	24927.7	25114.5
17.5°	24704.2	24522.0	24450.9	24447.8	24479.7	24488.2	24470.7	24436.7	24479.3	24619.5	24851.6
20°	24405.9	24136.9	24003.1	23981.9	24016.5	24006.4	23971.4	23920.0	23976.1	24146.5	24422.4
22.5°	23869.6	23528.7	23300.3	23226.6	23268.1	23240.3	23189.2	23123.7	23198.2	23391.8	23699.1
25°	22993.3	22599.3	22286.6	22111.1	22144.2	22094.6	22039.0	21959.5	22048.3	22270.5	22608.8
27.5°	21705.1	21250.2	20862.5	20572.1	20582.8	20517.8	20453.8	20350.9	20461.8	20724.8	21106.3
30°	19992.3	19465.8	18993.8	18599.1	18563.8	18500.7	18435.1	18300.1	18438.9	18753.7	19199.5
32.5°	17841.2	17256.6	16711.3	16212.2	16118.1	16056.6	15998.2	15842.7	16024.4	16391.5	16903.8
35°	15325.6	14702.9	14111.7	13541.6	13385.7	13324.2	13273.1	13124.2	13351.0	13750.5	14303.6
37.5°	12564.4	11928.4	11341.4	10756.8	10536.4	10453.0	10415.9	10318.3	10580.0	10975.1	11530.5
40°	9729.8	9138.3	8612.1	8095.7	7844.5	7716.9	7697.4	7679.7	7932.7	8275.5	8779.6
42.5°	7078.0	6600.9	6195.1	5800.5	5572.7	5398.5	5398.4	5451.3	5679.1	5935.8	6324.6
45°	4896.1	4575.8	4317.3	4053.6	4124.1	3776.8	3980.9	3876.1	3988.6	4154.2	4407.0
47.5°	3365.6	3190.8	3048.8	2901.4	2794.1	2691.5	2700.5	2766.6	2872.6	2970.8	3102.4
50°	2452.9	2363.9	2291.6	2215.1	2161.7	2116.4	2119.0	2147.6	2203.4	2255.1	2324.0
52.5°	1922.1	1872.9	1833.6	1791.4	1763.3	1740.9	1742.0	1755.9	1786.0	1815.6	1855.1
55°	1584.3	1578.3	1527.2	1489.2	1474.8	1459.7	1462.4	1467.9	1488.4	1505.7	1531.8
57.5°	1327.6	1304.6	1289.3	1269.3	1260.1	1249.5	1252.0	1254.0	1267.7	1279.3	1298.1
60°	1146.4	1130.1	1119.2	1105.7	1099.6	1092.9	1094.4	1095.7	1104.4	1112.0	1125.4
62.5°	1026.0	1011.4	1002.0	991.4	987.3	982.7	983.8	984.1	989.6	995.1	1005.4
65°	933.6	922.1	914.3	905.1	900.7	896.0	896.5	896.5	901.1	905.1	912.8
67.5°	835.9	827.3	822.1	815.0	812.0	807.1	807.0	805.6	808.6	810.1	815.4
70°	757.6	748.7	742.2	735.4	731.6	727.3	727.4	727.5	731.0	734.7	741.4
72.5°	709.1	700.7	694.9	688.9	685.3	681.7	681.1	680.7	683.2	685.2	689.7
75°	645.0	638.3	634.9	629.2	626.4	622.3	621.6	619.8	621.0	621.4	624.7
77.5°	567.2	560.8	558.1	552.4	550.0	545.4	545.0	542.9	543.9	543.2	545.7
80°	478.5	472.8	471.2	466.5	465.4	461.2	460.5	458.0	458.6	456.7	457.7
82.5°	379.5	374.3	373.1	368.7	368.7	364.9	364.7	360.8	360.8	357.5	352.3
85°	267.3	263.4	261.9	258.3	257.2	254.1	252.5	248.8	247.5	245.1	244.4
87.5°	141.1	138.7	136.4	134.8	131.7	126.1	125.6	121.7	122.0	119.3	119.5
90°	30.7	27.5	27.1	24.1	23.5	21.3	20.8	20.7	21.2	21.2	21.9
92.5°	23.3	22.5	21.7	20.9	20.1	19.3	18.5	19.3	20.1	20.9	21.7
95°	26.4	25.7	24.9	24.2	23.6	22.8	22.1	22.8	23.6	24.3	25.0
97.5°	29.4	28.9	28.5	28.0	27.5	27.1	26.7	27.2	27.6	28.1	28.6
100°	33.7	33.3	32.7	32.2	31.6	31.1	30.5	31.3	31.8	32.4	32.9
102.5°	57.0	53.7	50.4	47.1	43.8	40.5	37.2	40.5	43.8	47.2	50.5
105°	131.7	120.6	109.5	98.3	87.3	76.1	65.0	76.2	87.4	98.4	109.7
107.5°	261.6	242.2	222.6	203.1	183.5	164.0	144.4	164.1	183.6	203.2	222.8
110°	387.1	370.3	353.4	336.7	319.7	302.9	285.9	303.0	319.9	336.8	353.7



TEST NUMBER: P1444523
 CATALOG NUMBER: EHBR1-30-UNV-TA-L835-UPL15

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	455.5	445.4	435.2	425.1	414.7	404.6	394.2	404.8	415.1	425.6	435.7
115°	471.0	465.7	460.6	455.2	449.8	444.5	438.9	444.8	450.3	455.8	461.3
117.5°	455.8	454.2	452.2	450.5	448.6	446.9	445.0	447.1	449.1	451.4	453.2
120°	422.9	423.4	423.7	424.0	424.4	424.7	424.9	425.1	425.1	425.1	425.0
122.5°	387.0	388.6	390.2	391.8	393.4	394.9	396.3	395.3	394.2	393.1	391.7
125°	354.1	356.0	357.7	359.4	361.0	362.7	364.0	363.2	362.1	360.9	359.5
127.5°	326.9	328.5	330.2	331.9	333.3	334.6	335.9	335.2	334.2	333.3	332.1
130°	304.7	306.3	307.5	308.8	309.9	311.1	311.9	311.6	311.0	310.6	309.6
132.5°	289.4	290.7	291.8	292.9	293.8	294.8	295.3	295.3	295.1	294.8	294.1
135°	278.2	279.2	279.9	281.0	281.6	282.3	282.6	282.9	282.8	282.7	282.4
137.5°	269.1	269.9	270.6	271.1	271.6	272.0	272.2	272.7	272.9	273.2	273.1
140°	263.7	264.6	265.2	265.8	266.5	266.9	267.0	267.6	267.8	267.9	267.8
142.5°	258.2	259.0	259.6	260.2	260.7	261.2	261.4	261.9	262.1	262.2	262.2
145°	254.5	255.1	255.6	256.2	256.6	256.9	256.9	257.5	257.8	258.0	258.2
147.5°	250.6	251.3	251.7	252.2	252.5	252.9	253.0	253.5	253.7	254.0	254.2
150°	248.0	248.7	249.4	249.9	250.4	250.7	250.8	251.3	251.5	251.7	251.7
152.5°	245.4	246.0	246.7	247.2	247.5	247.8	248.0	248.4	248.8	249.1	249.2
155°	243.2	243.9	244.4	245.0	245.4	245.9	246.2	246.6	246.9	247.1	247.3
157.5°	241.5	242.2	242.7	243.3	243.7	244.2	244.6	245.0	245.3	245.7	245.9
160°	241.0	241.7	242.1	242.7	243.2	243.7	244.1	244.4	244.8	245.1	245.5
162.5°	241.6	242.2	242.5	243.1	243.6	244.1	244.4	244.8	245.2	245.6	245.9
165°	241.6	242.2	242.6	243.2	243.8	244.3	244.7	245.0	245.2	245.5	245.7
167.5°	243.8	244.3	244.6	245.2	245.6	246.2	246.7	247.0	247.1	247.3	247.4
170°	245.0	245.5	245.9	246.3	246.8	247.3	247.5	247.7	247.9	248.1	248.3
172.5°	246.0	246.6	247.0	247.5	247.8	248.2	248.6	248.8	248.8	248.9	248.8
175°	247.0	247.4	247.6	248.0	248.3	248.7	249.1	249.0	249.1	249.0	249.0
177.5°	249.3	249.8	250.1	250.4	250.7	250.9	251.3	251.0	250.9	250.7	250.5
180°	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3



TEST NUMBER: P1444523
 CATALOG NUMBER: EHBR1-30-UNV-TA-L835-UPL15

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9
2.5°	25433.3	25446.1	25465.5	25483.2	25509.7	25530.7	25562.2	25586.0	25621.5	25644.6	25683.2
5°	25435.7	25485.4	25550.9	25614.7	25691.4	25761.2	25847.7	25921.5	26008.6	26079.6	26168.6
7.5°	25471.6	25567.5	25682.5	25798.5	25929.5	26052.1	26190.2	26315.3	26451.9	26567.6	26693.9
10°	25498.1	25646.2	25815.7	25986.2	26165.7	26332.5	26500.9	26646.4	26782.4	26894.3	26993.2
12.5°	25462.1	25666.0	25883.5	26093.5	26293.2	26465.8	26610.6	26722.6	26799.8	26852.3	26864.5
15°	25339.9	25585.2	25821.7	26030.8	26196.5	26324.2	26390.3	26421.4	26388.1	26332.9	26211.6
17.5°	25111.4	25370.2	25581.6	25746.6	25834.2	25868.8	25814.0	25718.8	25532.5	25325.8	25027.3
20°	24692.6	24933.7	25087.1	25177.1	25153.6	25067.0	24860.2	24608.9	24237.0	23840.8	23317.9
22.5°	23958.0	24168.8	24250.5	24257.2	24114.3	23897.5	23524.4	23093.3	22506.7	21896.9	21147.0
25°	22855.3	23039.9	23052.8	22980.3	22718.8	22367.4	21819.7	21209.8	20412.7	19600.2	18660.4
27.5°	21359.8	21536.8	21493.5	21358.2	20995.2	20525.0	19823.7	19035.8	18053.2	17093.4	16053.9
30°	19479.9	19669.2	19618.3	19444.8	19013.0	18457.2	17632.1	16716.5	15625.6	14600.6	13547.2
32.5°	17230.2	17469.6	17434.4	17269.4	16818.8	16224.1	15328.7	14357.7	13241.6	12231.6	11206.9
35°	14673.0	14963.7	14978.7	14870.9	14452.6	13864.7	12980.6	12040.8	10971.7	10018.7	9072.1
37.5°	11918.0	12255.0	12324.2	12295.1	11948.4	11429.5	10624.0	9780.9	8833.8	7998.5	7188.9
40°	9147.8	9488.9	9607.2	9642.3	9386.5	8984.6	8323.4	7642.9	6870.8	6194.0	5551.2
42.5°	6621.4	6923.9	7038.2	7110.1	6950.4	6682.4	6200.1	5706.0	5140.3	4652.1	4184.1
45°	4598.7	4812.6	4899.6	4972.0	4885.0	4733.9	4429.3	4120.2	3746.8	3427.8	3125.9
47.5°	3215.3	3333.2	3390.6	3425.8	3392.0	3313.2	3147.5	2968.4	2757.6	2571.2	2392.0
50°	2383.1	2446.0	2476.0	2496.3	2471.8	2427.9	2338.2	2240.8	2125.0	2019.4	1916.2
52.5°	1888.6	1924.6	1942.4	1953.4	1939.3	1912.5	1860.3	1802.5	1733.1	1667.8	1633.5
55°	1591.0	1589.2	1630.4	1610.5	1630.4	1585.9	1576.6	1513.1	1455.4	1414.9	1370.9
57.5°	1312.1	1330.8	1338.8	1347.6	1341.9	1333.7	1311.5	1288.7	1258.4	1233.0	1205.8
60°	1135.8	1151.1	1159.9	1168.7	1168.1	1165.1	1152.2	1138.6	1119.6	1104.4	1088.0
62.5°	1014.3	1027.6	1036.2	1044.7	1045.4	1044.2	1034.5	1025.0	1012.1	1002.5	991.2
65°	918.7	928.1	933.9	940.6	940.3	938.5	929.7	921.9	911.2	904.6	896.3
67.5°	818.7	825.8	830.4	836.7	837.9	838.3	833.5	829.8	824.6	822.7	819.9
70°	747.7	756.2	763.5	771.5	775.9	777.9	775.9	774.0	770.9	769.7	767.5
72.5°	693.9	701.1	706.8	714.0	718.1	721.0	719.4	718.4	715.8	715.4	713.8
75°	627.0	632.0	635.2	640.6	642.9	645.6	644.3	645.0	644.1	646.3	646.2
77.5°	546.6	550.3	551.8	555.8	556.2	559.5	560.1	564.0	566.8	572.9	576.1
80°	456.1	458.4	458.4	462.5	464.4	469.9	472.6	478.9	481.8	487.2	487.6
82.5°	354.3	351.6	354.3	352.7	357.8	364.1	364.9	370.3	371.5	375.0	372.2
85°	242.2	242.0	239.9	240.3	238.6	239.4	238.4	239.5	238.5	238.6	236.2
87.5°	116.1	117.1	114.5	115.4	113.0	114.1	111.9	113.6	111.0	111.4	107.6
90°	22.1	22.6	22.8	23.4	24.1	25.5	27.0	28.4	30.2	31.5	33.1
92.5°	22.5	23.4	24.2	25.0	25.8	28.2	30.6	33.0	35.5	37.8	40.2
95°	25.8	26.5	27.1	28.1	28.8	32.3	35.8	39.2	42.7	46.2	49.6
97.5°	29.2	29.7	30.2	30.5	31.1	35.2	39.3	43.4	47.5	51.6	55.6
100°	33.5	34.0	34.6	35.2	35.8	45.2	54.7	64.1	73.5	82.9	92.3
102.5°	53.9	57.2	60.5	64.0	67.3	90.2	113.1	135.9	158.6	181.5	204.3
105°	120.8	132.0	143.2	154.4	165.5	200.1	234.8	269.5	303.9	338.5	373.1
107.5°	242.5	262.1	281.8	301.4	320.9	353.5	386.0	418.6	451.2	483.6	515.9
110°	370.9	387.6	404.7	421.6	438.6	464.3	490.1	515.9	541.7	567.4	593.1



TEST NUMBER: P1444523
 CATALOG NUMBER: EHBR1-30-UNV-TA-L835-UPL15

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	446.2	456.4	466.8	476.9	487.2	506.1	525.1	544.1	563.0	581.7	600.5
115°	466.8	472.0	477.5	482.9	488.4	499.7	511.1	522.4	533.9	545.1	556.6
117.5°	455.2	457.2	459.1	460.8	462.7	468.4	474.3	480.1	485.9	491.6	497.3
120°	424.9	424.6	424.4	424.0	423.8	425.5	427.3	428.9	430.6	432.3	433.8
122.5°	390.5	388.9	387.6	386.0	384.6	383.6	383.0	382.0	381.4	380.5	379.6
125°	358.2	356.6	355.2	353.5	351.9	350.0	348.2	346.4	344.5	342.6	340.6
127.5°	330.9	329.5	328.3	326.8	325.3	323.1	321.0	318.8	316.9	314.6	312.5
130°	308.8	307.7	306.8	305.3	304.5	302.3	300.6	298.6	296.7	294.8	292.9
132.5°	293.6	292.7	292.0	290.9	290.0	288.2	286.7	284.8	283.0	281.2	279.5
135°	282.2	281.6	281.2	280.4	279.7	278.2	276.8	275.4	274.1	272.7	271.3
137.5°	273.0	272.7	272.4	272.0	271.7	270.3	269.3	267.9	266.8	265.5	264.5
140°	267.8	267.5	267.2	266.8	266.5	265.2	264.0	262.8	261.6	260.2	259.1
142.5°	262.1	261.9	261.6	261.2	260.9	259.8	259.0	258.0	257.0	256.0	255.1
145°	258.2	258.1	258.0	257.7	257.7	256.6	255.5	254.3	253.5	252.3	251.2
147.5°	254.3	254.2	254.3	254.1	254.2	253.3	252.5	251.5	250.7	249.9	249.1
150°	251.7	251.7	251.7	251.5	251.4	250.5	249.8	248.9	248.1	247.2	246.4
152.5°	249.2	249.3	249.4	249.4	249.5	248.7	247.8	247.0	246.2	245.2	244.4
155°	247.4	247.5	247.6	247.6	247.6	247.0	246.2	245.4	244.6	243.9	243.1
157.5°	246.1	246.3	246.5	246.6	246.7	246.1	245.4	244.8	244.2	243.5	242.8
160°	245.7	246.0	246.2	246.3	246.5	245.9	245.6	244.8	244.5	243.8	243.2
162.5°	246.2	246.5	246.7	246.8	247.0	246.4	246.1	245.5	245.0	244.2	243.8
165°	246.1	246.1	246.3	246.3	246.4	246.0	245.8	245.4	245.0	244.6	244.2
167.5°	247.7	247.7	247.9	247.9	248.0	247.7	247.7	247.4	247.2	246.9	246.6
170°	248.5	248.6	248.6	248.6	248.7	248.4	248.2	248.0	247.9	247.4	247.2
172.5°	248.9	248.8	248.9	248.9	248.8	248.6	248.5	248.3	248.2	248.1	247.9
175°	249.0	248.9	248.9	248.8	248.7	248.7	248.6	248.6	248.5	248.5	248.4
177.5°	250.5	250.3	250.0	249.9	249.7	249.6	249.6	249.5	249.6	249.5	249.4
180°	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3



TEST NUMBER: P1444523
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CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9
2.5°	25707.2	25548.4	25527.4	25538.5	25565.1	25574.9	25603.5	25611.4	25640.2	25647.2	25675.0
5°	26237.5	26027.7	26038.2	26088.6	26165.0	26210.6	26285.6	26324.9	26396.6	26429.1	26494.0
7.5°	26796.9	26632.1	26683.5	26768.6	26873.0	26945.4	27035.5	27094.3	27172.1	27220.2	27282.5
10°	27071.5	27026.4	27082.9	27149.9	27209.5	27256.1	27294.4	27325.0	27345.0	27363.8	27372.0
12.5°	26862.6	26932.5	26942.1	26935.6	26896.1	26865.9	26798.3	26752.2	26670.6	26620.8	26523.6
15°	26087.8	26241.4	26156.4	26027.5	25839.0	25681.9	25460.0	25294.8	25063.6	24906.9	24675.0
17.5°	24728.1	24922.1	24700.4	24402.3	24023.1	23698.8	23294.8	22974.3	22572.7	22280.5	21905.8
20°	22814.0	22995.2	22599.8	22105.7	21519.2	21025.5	20443.5	19979.0	19438.2	19035.8	18550.2
22.5°	20430.8	20559.8	20002.8	19336.7	18589.5	17972.8	17276.8	16720.0	16102.7	15642.7	15124.9
25°	17794.1	17829.0	17160.7	16393.4	15560.5	14867.5	14124.5	13539.0	12909.4	12443.2	11935.1
27.5°	15132.9	15081.9	14359.6	13545.9	12669.8	11949.5	11224.8	10676.2	10124.8	9704.8	9267.0
30°	12621.1	12497.4	11747.5	10911.1	10060.8	9415.1	8813.5	8373.0	7934.3	7601.1	7249.8
32.5°	10317.7	10143.2	9413.3	8629.7	7913.2	7414.9	6968.8	6635.4	6281.2	5999.8	5704.9
35°	8277.6	8091.6	7444.9	6780.7	6238.3	5871.1	5520.4	5246.9	4946.1	4708.8	4452.6
37.5°	6526.6	6374.2	5832.6	5309.8	4899.6	4615.0	4327.7	4104.2	3855.6	3751.2	3477.4
40°	5038.5	4932.0	4508.4	4123.1	3815.1	3681.4	3389.8	3180.9	2995.3	2842.1	2693.7
42.5°	3930.2	3892.4	3480.3	3179.8	2962.8	2794.3	2631.8	2499.9	2371.5	2265.9	2166.1
45°	2884.1	2854.3	2671.3	2497.8	2350.1	2232.3	2122.4	2031.6	1947.8	1878.2	1814.8
47.5°	2245.8	2236.3	2130.9	2023.4	1930.2	1854.6	1783.3	1723.1	1667.4	1620.9	1605.8
50°	1826.7	1825.4	1763.5	1697.2	1630.9	1587.2	1541.7	1506.0	1470.2	1442.4	1412.9
52.5°	1552.1	1545.4	1503.6	1462.6	1423.2	1394.5	1365.4	1342.7	1319.0	1301.8	1283.5
55°	1336.1	1343.2	1319.1	1294.6	1270.0	1252.2	1231.7	1216.7	1200.5	1189.6	1178.6
57.5°	1186.2	1195.5	1182.9	1169.0	1154.0	1142.3	1128.3	1117.9	1107.0	1100.0	1093.6
60°	1077.2	1087.3	1082.2	1075.2	1066.0	1059.0	1050.0	1044.3	1037.3	1033.4	1029.8
62.5°	984.6	997.4	995.5	992.2	986.3	982.4	977.5	975.0	970.3	968.7	966.9
65°	892.2	906.6	906.3	904.7	901.4	900.3	897.2	896.7	894.3	895.3	895.1
67.5°	819.6	832.0	834.8	836.8	836.7	837.5	837.2	838.4	838.4	840.2	841.3
70°	767.2	775.9	777.9	780.1	780.6	782.3	782.3	783.4	783.1	784.6	784.7
72.5°	714.2	725.7	727.7	729.4	729.4	731.0	730.2	729.9	727.6	727.1	725.6
75°	648.3	662.9	666.1	668.3	668.6	669.9	668.0	666.7	662.9	661.4	658.8
77.5°	579.4	594.7	596.9	597.7	596.4	596.7	592.5	589.7	585.0	582.9	580.4
80°	489.9	512.3	514.0	512.6	509.1	508.6	504.5	501.9	496.1	494.1	491.9
82.5°	372.7	399.0	402.7	404.2	401.4	402.1	398.2	396.8	391.4	390.5	387.0
85°	235.3	261.6	266.0	265.3	262.5	261.8	259.5	260.2	259.8	261.2	262.0
87.5°	108.1	133.5	139.6	137.7	137.4	135.6	131.6	133.0	135.6	137.1	137.2
90°	34.6	43.7	45.1	44.5	41.5	40.5	37.6	37.2	34.7	34.1	31.8
92.5°	42.6	45.0	47.4	45.3	43.1	41.0	38.9	36.7	34.6	32.4	30.3
95°	53.0	56.3	59.8	57.0	54.0	51.2	48.4	45.5	42.7	39.9	36.9
97.5°	59.7	63.6	67.6	64.8	61.9	59.0	56.0	53.2	50.3	47.4	44.5
100°	101.7	110.8	120.1	112.0	103.8	95.7	87.7	79.5	71.5	63.3	55.2
102.5°	227.1	249.7	272.4	251.8	231.3	210.6	190.1	169.6	149.1	128.4	107.9
105°	407.5	441.8	476.2	444.7	413.3	381.9	350.5	319.2	287.8	256.4	225.0
107.5°	548.5	580.4	612.6	584.2	555.8	527.4	498.9	470.6	442.1	413.6	385.3
110°	618.9	643.7	669.2	649.9	630.9	611.7	592.6	573.5	554.4	535.4	516.4



TEST NUMBER: P1444523
 CATALOG NUMBER: EHBR1-30-UNV-TA-L835-UPL15

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	619.3	637.0	655.6	644.1	632.9	621.5	610.3	598.9	587.8	576.5	565.5
115°	567.6	577.6	588.5	583.8	579.3	574.6	569.9	565.4	560.7	556.2	551.8
117.5°	502.9	507.1	512.3	511.0	510.0	508.8	507.8	506.7	505.9	504.8	503.9
120°	435.4	435.3	436.3	436.4	436.7	437.0	437.3	437.5	437.8	438.2	438.6
122.5°	378.6	375.9	374.4	374.5	374.7	374.8	375.0	375.0	375.2	375.6	375.9
125°	338.8	334.7	332.1	330.9	329.9	328.6	327.3	326.2	325.2	324.0	323.1
127.5°	310.3	305.9	303.1	300.9	298.7	296.5	294.3	292.0	289.9	287.7	285.7
130°	291.1	286.7	284.1	281.4	278.9	276.1	273.4	270.7	268.0	265.4	262.7
132.5°	277.8	273.3	271.0	268.5	266.0	263.3	260.8	258.1	255.5	252.9	250.4
135°	269.8	265.7	263.7	261.2	259.1	256.6	254.1	251.8	249.5	246.9	244.7
137.5°	263.2	259.1	257.2	255.2	253.5	251.4	249.6	247.5	245.6	243.5	241.6
140°	257.8	253.6	251.7	250.5	249.4	247.9	246.9	245.5	244.3	243.0	241.7
142.5°	254.0	249.9	248.2	247.4	246.6	245.7	245.0	244.1	243.3	242.2	241.3
145°	250.3	245.5	243.8	243.5	243.4	243.0	242.7	242.4	242.1	241.6	241.3
147.5°	248.1	243.3	241.5	241.5	241.5	241.3	241.4	241.2	241.3	241.0	241.0
150°	245.4	240.0	237.9	238.1	238.1	238.3	238.5	238.6	238.9	239.0	239.1
152.5°	243.5	237.0	234.6	234.8	235.1	235.2	235.6	235.8	236.2	236.5	236.7
155°	242.1	235.0	232.5	232.4	232.5	232.7	232.8	232.9	233.1	233.3	233.6
157.5°	242.0	234.6	232.1	231.9	231.9	231.9	231.9	231.9	232.0	232.1	232.4
160°	242.5	235.1	232.6	232.3	232.4	232.3	232.2	232.1	232.2	232.3	232.5
162.5°	243.0	235.8	233.4	233.1	232.9	232.9	232.9	232.6	232.7	232.7	232.9
165°	243.7	237.4	235.1	234.9	234.9	234.8	234.8	234.7	234.9	235.0	235.2
167.5°	246.2	240.5	238.7	238.4	238.1	237.8	237.8	237.5	237.5	237.3	237.3
170°	246.9	242.4	240.9	240.8	240.9	240.8	240.7	240.7	240.7	240.6	240.7
172.5°	247.6	244.3	243.2	243.3	243.5	243.6	243.8	243.8	244.0	244.2	244.3
175°	248.3	246.3	245.8	245.7	245.8	245.9	246.0	246.0	246.1	246.2	246.5
177.5°	249.4	248.8	248.5	248.5	248.5	248.5	248.5	248.5	248.5	248.6	248.6
180°	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3



TEST NUMBER: P1444523
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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°	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9
2.5°	25680.1	25710.1	25707.8	25735.8	25734.3	25760.7	25755.3	25778.1	25773.0	25792.4	25780.9
5°	26522.5	26579.4	26598.2	26649.6	26660.3	26706.3	26707.2	26743.8	26739.3	26767.9	26752.7
7.5°	27319.3	27372.5	27397.7	27437.6	27457.6	27490.7	27503.6	27530.8	27537.3	27553.3	27552.8
10°	27386.5	27386.3	27398.9	27393.2	27404.4	27398.0	27411.6	27406.7	27426.8	27421.6	27436.8
12.5°	26481.7	26391.9	26359.1	26278.5	26260.8	26191.6	26196.5	26152.1	26173.5	26146.3	26192.7
15°	24537.0	24328.6	24225.7	24044.5	23987.7	23844.6	23833.0	23737.9	23763.6	23713.8	23786.5
17.5°	21663.3	21335.2	21155.3	20890.8	20785.7	20583.3	20542.7	20420.3	20439.2	20377.5	20465.4
20°	18236.9	17840.5	17613.5	17307.6	17171.2	16929.9	16865.8	16728.9	16746.0	16684.6	16784.0
22.5°	14771.5	14356.7	14100.3	13779.8	13605.5	13378.5	13310.4	13172.8	13180.6	13123.0	13218.6
25°	11587.0	11189.2	10940.4	10649.2	10498.0	10289.9	10218.2	10094.8	10101.8	10054.3	10140.0
27.5°	8963.4	8637.0	8428.8	8184.8	8049.2	7878.1	7808.3	7704.4	7704.1	7669.3	7741.0
30°	7004.3	6732.0	6545.1	6332.6	6205.3	6050.8	5983.4	5890.5	5886.5	5861.7	5918.7
32.5°	5484.3	5242.1	5071.6	4884.5	4770.2	4637.7	4573.9	4499.2	4492.3	4470.0	4516.8
35°	4263.3	4059.3	3912.7	3755.2	3766.9	3571.4	3603.9	3452.0	3410.8	3401.8	3436.6
37.5°	3295.1	3137.0	3017.9	2900.0	2820.1	2737.5	2693.0	2653.1	2648.5	2644.6	2669.1
40°	2579.1	2468.6	2382.0	2301.0	2246.0	2195.6	2167.8	2145.9	2140.6	2137.7	2152.5
42.5°	2087.4	2012.8	1957.0	1907.6	1874.2	1846.7	1831.5	1819.3	1815.2	1815.3	1824.0
45°	1763.5	1718.4	1682.4	1651.7	1630.3	1639.7	1612.1	1626.5	1607.4	1627.2	1614.2
47.5°	1553.0	1514.5	1492.2	1470.5	1457.6	1447.3	1447.6	1447.8	1451.8	1452.5	1456.8
50°	1390.6	1368.3	1352.9	1339.0	1332.3	1326.8	1328.7	1330.1	1334.1	1334.4	1337.5
52.5°	1270.4	1255.8	1246.4	1237.8	1234.8	1231.7	1233.1	1232.5	1234.2	1233.4	1235.9
55°	1172.6	1165.7	1162.8	1159.6	1160.1	1159.2	1159.8	1156.7	1154.7	1152.4	1154.5
57.5°	1092.4	1091.4	1093.3	1094.7	1098.4	1099.7	1100.5	1096.9	1093.5	1090.4	1092.3
60°	1030.5	1032.0	1036.9	1040.9	1046.1	1048.6	1050.1	1048.1	1045.5	1043.0	1044.6
62.5°	969.4	971.9	977.7	982.1	988.5	991.8	995.5	995.7	996.7	995.7	996.8
65°	898.6	901.6	906.9	910.6	916.5	919.4	923.2	923.9	926.0	925.5	927.2
67.5°	844.8	847.4	851.9	855.4	860.7	863.7	867.0	867.2	868.0	867.8	869.5
70°	787.4	788.7	792.7	795.6	800.9	804.0	807.8	809.0	811.3	811.7	813.6
72.5°	726.2	725.7	728.0	729.3	733.3	735.7	740.6	743.2	747.2	748.3	749.6
75°	659.5	659.0	661.8	662.9	666.3	668.7	674.2	677.7	683.8	686.4	685.7
77.5°	582.4	583.7	588.9	592.0	596.4	599.6	606.6	612.1	623.4	628.3	623.3
80°	496.1	497.5	502.9	505.7	511.7	515.5	523.3	529.8	539.9	542.0	539.2
82.5°	390.0	390.4	395.3	397.4	405.1	410.7	420.6	425.9	432.1	431.1	430.3
85°	266.0	269.6	275.7	281.8	291.3	300.3	309.7	317.4	311.9	320.6	310.9
87.5°	142.1	141.8	150.1	148.7	161.9	169.6	177.7	181.6	186.0	185.1	185.2
90°	31.6	29.9	30.2	28.2	29.3	27.1	28.8	26.9	28.9	26.5	30.4
92.5°	28.1	27.1	25.8	24.7	23.5	22.5	21.2	20.1	18.9	17.7	18.9
95°	34.1	33.1	32.0	30.8	29.8	28.7	27.6	26.6	25.5	24.4	25.8
97.5°	41.7	41.1	40.4	39.9	39.2	38.6	37.9	37.3	36.6	36.0	36.8
100°	47.0	47.0	47.0	47.0	46.8	46.8	46.8	46.8	46.8	46.8	47.5
102.5°	87.4	85.3	83.3	81.2	79.1	77.0	75.0	72.9	70.9	68.8	71.8
105°	193.7	185.7	177.6	169.6	161.4	153.5	145.4	137.4	129.4	121.4	129.6
107.5°	357.1	342.4	327.7	313.1	298.4	283.8	269.3	254.6	240.1	225.4	238.5
110°	497.3	481.7	466.1	450.6	435.0	419.5	403.9	388.4	372.9	357.4	369.9



TEST NUMBER: P1444523
 CATALOG NUMBER: EHBR1-30-UNV-TA-L835-UPL15

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	554.3	544.1	534.0	523.9	513.8	503.9	493.8	483.8	473.9	463.9	469.9
115°	547.3	542.4	537.5	532.7	528.0	523.0	518.2	513.5	508.8	504.0	504.4
117.5°	502.9	501.1	499.5	497.7	496.1	494.4	492.9	491.3	489.8	488.3	484.9
120°	439.1	439.3	439.6	440.0	440.4	441.0	441.3	441.9	442.5	443.1	438.6
122.5°	376.2	377.1	378.1	379.0	380.1	381.3	382.4	383.7	385.0	386.4	381.8
125°	321.9	322.8	323.7	324.6	325.5	326.8	327.9	329.2	330.4	331.9	328.1
127.5°	283.5	283.5	283.6	283.8	284.0	284.4	284.9	285.4	286.0	286.7	284.3
130°	260.1	259.3	258.5	257.9	257.1	256.8	256.4	256.1	255.8	255.7	254.7
132.5°	247.7	246.4	244.9	243.8	242.5	241.5	240.4	239.7	238.8	238.2	237.9
135°	242.2	240.5	238.7	237.1	235.4	234.2	232.8	231.7	230.6	229.6	229.9
137.5°	239.6	237.9	236.2	234.6	233.0	231.6	230.2	229.0	228.0	227.0	227.6
140°	240.5	238.7	237.0	235.4	234.0	232.6	231.3	230.2	228.9	228.2	228.4
142.5°	240.4	239.0	237.4	236.0	234.6	233.4	232.2	231.3	230.1	229.4	229.8
145°	241.0	240.0	238.7	237.7	236.7	235.8	234.7	234.2	233.4	233.0	233.2
147.5°	240.9	240.1	239.1	238.3	237.5	236.9	236.2	235.7	235.2	234.8	234.9
150°	239.2	238.7	238.1	237.7	237.1	236.8	236.3	236.0	235.7	235.5	235.5
152.5°	237.0	236.6	236.1	235.7	235.2	235.0	234.6	234.5	234.3	234.1	234.1
155°	233.8	233.6	233.4	233.2	233.0	233.2	233.0	233.1	233.0	233.1	233.2
157.5°	232.5	232.5	232.4	232.6	232.6	232.8	232.8	233.1	233.1	233.4	233.6
160°	232.8	232.8	232.6	232.8	232.8	232.8	232.9	233.1	233.2	233.3	233.6
162.5°	233.0	233.3	233.4	233.5	233.8	234.0	234.3	234.6	234.8	235.2	235.5
165°	235.4	235.4	235.3	235.3	235.5	235.6	235.7	236.0	236.1	236.4	236.8
167.5°	237.2	237.4	237.4	237.6	237.8	237.9	238.1	238.5	238.8	239.3	239.6
170°	240.6	240.6	240.6	240.6	240.6	240.8	240.9	241.0	241.0	241.3	241.5
172.5°	244.4	244.4	244.2	244.4	244.2	244.4	244.4	244.5	244.5	244.6	244.7
175°	246.4	246.7	246.8	247.0	247.0	247.1	247.2	247.3	247.4	247.5	247.5
177.5°	248.6	248.7	248.7	248.7	248.7	248.8	248.8	248.8	248.8	248.7	248.8
180°	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3



TEST NUMBER: P1444523
 CATALOG NUMBER: EHBR1-30-UNV-TA-L835-UPL15

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9
2.5°	25799.9	25787.1	25800.2	25786.9	25800.2	25784.1	25795.0	25777.6	25782.1	25764.1	25768.7
5°	26775.5	26754.9	26765.9	26739.1	26741.9	26706.3	26705.6	26664.1	26653.1	26605.8	26585.0
7.5°	27564.3	27557.6	27561.4	27544.2	27542.2	27517.8	27506.2	27471.9	27450.2	27406.7	27376.9
10°	27439.5	27459.5	27464.8	27485.2	27489.5	27509.8	27514.0	27534.4	27538.6	27553.6	27553.8
12.5°	26190.5	26258.8	26275.2	26359.5	26395.0	26491.5	26543.3	26649.6	26712.7	26818.8	26884.0
15°	23784.5	23902.7	23949.8	24114.5	24205.6	24397.9	24518.7	24739.5	24895.3	25129.7	25297.0
17.5°	20473.1	20638.2	20712.7	20936.0	21081.8	21365.6	21570.1	21906.7	22164.5	22538.6	22835.1
20°	16801.0	16984.5	17085.7	17340.4	17512.4	17843.9	18099.3	18513.1	18858.0	19332.1	19737.5
22.5°	13248.5	13423.1	13535.4	13794.7	13988.2	14334.1	14619.4	15056.2	15442.7	15976.9	16462.9
25°	10172.4	10332.4	10433.9	10668.3	10850.1	11167.9	11440.5	11860.4	12238.6	12774.5	13272.9
27.5°	7776.6	7910.6	8008.5	8208.4	8368.8	8638.2	8872.4	9219.4	9545.3	10008.9	10452.8
30°	5953.7	6072.4	6167.7	6341.8	6490.4	6724.1	6930.0	7221.4	7491.2	7860.0	8213.2
32.5°	4549.7	4651.9	4736.7	4889.1	5024.0	5234.4	5419.9	5675.4	5906.8	6219.7	6510.2
35°	3468.9	3670.1	3655.9	3866.1	3899.9	4050.9	4216.4	4439.8	4644.8	4910.8	5158.1
37.5°	2692.4	2749.0	2809.7	2902.6	3000.2	3137.6	3277.4	3550.4	3650.5	3851.5	4056.2
40°	2171.2	2209.4	2249.4	2312.3	2380.6	2477.4	2579.2	2709.4	2842.9	3005.9	3172.4
42.5°	1835.6	1857.2	1882.7	1919.6	1961.7	2023.1	2091.2	2179.5	2272.3	2387.0	2504.1
45°	1639.9	1629.6	1637.2	1657.1	1682.5	1719.7	1762.8	1817.5	1877.9	1952.1	2031.4
47.5°	1457.6	1461.8	1464.0	1474.8	1488.4	1513.4	1539.5	1576.6	1648.3	1670.1	1713.2
50°	1337.2	1339.1	1338.6	1344.0	1350.9	1367.2	1384.0	1409.1	1434.3	1467.5	1499.2
52.5°	1236.3	1239.1	1238.7	1242.3	1246.0	1256.2	1266.9	1284.7	1301.1	1322.3	1340.5
55°	1156.6	1160.4	1161.9	1165.0	1166.7	1172.2	1176.3	1184.9	1191.9	1203.9	1214.9
57.5°	1095.3	1100.5	1103.0	1104.0	1101.9	1101.6	1100.1	1102.0	1103.4	1109.8	1116.0
60°	1047.0	1051.3	1051.9	1051.3	1047.3	1044.5	1039.9	1038.5	1037.8	1040.9	1044.3
62.5°	996.5	998.0	997.0	995.7	991.2	988.4	983.8	982.0	980.4	982.6	984.4
65°	926.6	927.9	926.6	925.9	921.8	919.6	915.6	914.4	912.0	912.6	912.2
67.5°	869.8	871.2	870.1	869.1	866.3	864.9	862.0	860.2	857.3	856.4	854.4
70°	813.3	814.3	812.7	811.7	808.5	807.2	804.5	803.9	801.8	801.3	799.2
72.5°	748.3	748.4	746.0	745.3	743.0	742.9	741.8	742.8	742.7	743.9	743.4
75°	681.6	680.7	677.9	677.4	675.6	676.4	675.2	676.8	677.0	679.5	679.7
77.5°	614.9	611.4	606.1	603.5	599.9	599.5	597.4	598.8	598.4	601.2	602.3
80°	530.8	526.5	519.6	516.3	512.1	511.4	509.4	511.4	510.4	513.7	516.1
82.5°	423.7	420.0	412.9	410.2	405.3	405.8	403.7	405.8	405.5	410.4	413.3
85°	313.5	311.0	303.6	297.1	289.8	285.6	281.4	280.7	279.4	281.4	283.1
87.5°	181.0	178.8	173.0	169.2	156.5	157.1	152.0	151.7	150.5	149.4	152.0
90°	29.5	33.0	32.2	35.2	34.9	38.5	38.4	41.8	41.2	44.4	44.5
92.5°	20.1	21.2	22.4	23.5	24.6	25.8	27.0	28.1	30.6	32.9	35.6
95°	27.1	28.4	29.8	31.1	32.5	33.7	35.1	36.5	40.1	43.7	47.4
97.5°	37.8	38.7	39.6	40.4	41.3	42.3	43.1	44.0	48.0	52.0	55.9
100°	48.3	49.0	49.6	50.4	51.1	51.8	52.6	53.2	61.0	68.6	76.1
102.5°	74.9	78.0	81.0	84.0	87.1	90.2	93.2	96.2	113.6	131.0	148.4
105°	138.0	146.2	154.7	162.9	171.2	179.5	187.9	196.2	224.1	251.8	279.8
107.5°	251.6	264.7	277.8	291.0	304.1	317.3	330.3	343.5	370.7	397.9	425.2
110°	382.3	394.9	407.3	419.9	432.4	445.0	457.5	470.2	486.6	502.8	519.3



TEST NUMBER: P1444523
 CATALOG NUMBER: EHBR1-30-UNV-TA-L835-UPL15

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	476.1	482.1	488.3	494.4	500.6	506.8	513.0	519.2	527.6	535.6	544.0
115°	504.8	505.2	505.8	506.0	506.6	507.1	507.8	508.4	511.2	513.9	516.7
117.5°	481.6	478.3	475.1	471.9	468.7	465.7	462.6	459.6	459.3	458.9	458.7
120°	434.3	429.9	425.6	421.1	416.9	412.8	408.6	404.5	402.6	400.6	398.9
122.5°	377.5	373.1	368.8	364.7	360.5	356.4	352.5	348.5	347.2	346.1	344.9
125°	324.4	320.9	317.4	313.9	310.6	307.4	304.2	301.1	301.4	301.6	302.0
127.5°	282.2	280.1	278.1	276.1	274.3	272.6	270.9	269.2	270.7	272.0	273.5
130°	253.8	253.1	252.5	251.7	251.3	250.8	250.5	250.1	252.3	254.3	256.7
132.5°	238.1	238.1	238.2	238.5	238.9	239.3	240.0	240.3	242.8	245.1	247.6
135°	230.3	230.8	231.5	232.1	233.1	233.8	234.8	235.7	238.2	240.4	242.8
137.5°	228.2	228.8	229.7	230.5	231.6	232.5	233.8	234.8	236.7	238.6	240.6
140°	229.1	229.5	230.4	231.2	232.0	232.7	233.9	234.7	236.5	238.0	239.5
142.5°	230.5	230.8	231.5	232.2	233.1	233.9	234.8	235.5	236.8	237.9	239.4
145°	233.7	234.1	234.7	235.2	235.8	236.5	237.3	237.9	238.9	239.6	240.5
147.5°	235.3	235.6	236.1	236.6	237.2	237.7	238.1	238.5	239.3	239.9	240.6
150°	235.8	236.0	236.3	236.5	237.0	237.4	237.8	238.1	238.7	239.2	239.9
152.5°	234.4	234.5	234.7	235.0	235.4	235.7	236.0	236.4	237.0	237.3	237.8
155°	233.5	233.9	234.3	234.6	235.0	235.2	235.7	235.9	236.4	236.8	237.3
157.5°	234.0	234.2	234.6	234.8	235.3	235.5	235.9	236.2	236.7	237.0	237.4
160°	234.1	234.6	234.9	235.3	235.7	236.1	236.6	237.1	237.5	237.8	238.1
162.5°	235.9	236.3	236.7	237.0	237.3	237.7	237.9	238.3	238.9	239.2	239.8
165°	237.3	237.7	238.2	238.5	239.0	239.5	239.9	240.4	240.7	241.0	241.3
167.5°	240.1	240.4	241.0	241.2	241.6	242.0	242.5	242.9	243.3	243.5	243.9
170°	241.9	242.3	242.7	243.0	243.4	243.7	244.1	244.3	244.8	245.1	245.6
172.5°	245.0	245.3	245.6	245.7	246.0	246.4	246.7	246.9	247.3	247.5	247.8
175°	247.5	247.5	247.6	247.7	247.8	247.8	247.9	248.1	248.2	248.3	248.4
177.5°	248.9	249.0	249.1	249.2	249.3	249.4	249.5	249.6	249.6	249.6	249.6
180°	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3



TEST NUMBER: P1444523
 CATALOG NUMBER: EHBR1-30-UNV-TA-L835-UPL15

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9
2.5°	25750.7	25751.8	25731.0	25729.8	25710.5	25707.9	25689.0	25683.2	25667.9	25662.3	25646.6
5°	26531.9	26506.6	26448.1	26413.8	26356.0	26317.7	26255.2	26214.5	26154.1	26108.6	26047.9
7.5°	27322.1	27282.8	27217.1	27164.0	27083.8	27019.8	26926.0	26849.2	26747.6	26659.6	26552.9
10°	27553.8	27547.8	27531.0	27506.7	27469.3	27427.5	27363.7	27297.0	27208.0	27111.3	26992.7
12.5°	26983.7	27045.2	27129.1	27178.9	27239.4	27266.0	27290.8	27284.5	27268.2	27219.3	27150.7
15°	25539.2	25712.2	25941.3	26118.9	26323.2	26471.6	26635.6	26737.7	26839.6	26886.6	26915.4
17.5°	23241.5	23569.1	23979.9	24320.3	24713.1	25028.6	25374.5	25634.8	25902.5	26094.3	26267.8
20°	20290.1	20764.7	21345.7	21859.0	22455.8	22974.5	23542.8	24009.3	24490.5	24866.8	25222.8
22.5°	17088.9	17652.5	18354.9	19005.6	19775.0	20466.5	21246.6	21925.5	22634.5	23226.8	23799.4
25°	13940.9	14559.1	15327.2	16053.1	16924.4	17728.7	18653.9	19500.1	20416.5	21212.0	21997.9
27.5°	11066.4	11673.4	12457.5	13230.2	14151.6	15008.7	15999.9	16932.3	17975.6	18937.8	19921.9
30°	8703.8	9218.6	9921.6	10670.2	11578.9	12451.0	13453.1	14412.0	15497.3	16547.8	17656.4
32.5°	6895.7	7288.0	7840.7	8473.6	9312.1	10142.2	11096.4	12022.1	13090.9	14152.1	15305.1
35°	5476.5	5782.3	6203.8	6697.7	7407.8	8123.5	8967.4	9809.2	10806.3	11813.3	12934.0
37.5°	4318.5	4566.7	4896.8	5267.8	5837.3	6424.6	7116.6	7814.6	8681.0	9573.5	10589.2
40°	3372.2	3573.2	3830.2	4106.9	4537.0	4989.5	5524.7	6065.8	6761.9	7491.5	8332.0
42.5°	2649.2	2797.5	2979.0	3181.1	3582.5	3822.6	4185.6	4577.0	5088.8	5618.4	6250.3
45°	2127.5	2228.7	2354.5	2490.2	2676.4	2880.2	3128.8	3389.4	3875.6	4114.0	4498.4
47.5°	1776.7	1844.6	1924.7	2010.1	2120.0	2238.5	2385.9	2536.6	2731.5	2933.6	3170.4
50°	1540.4	1609.5	1636.9	1681.2	1744.8	1812.5	1895.6	1978.7	2083.2	2189.2	2311.1
52.5°	1365.0	1387.5	1417.5	1445.6	1485.0	1562.1	1587.0	1630.4	1689.1	1746.4	1810.4
55°	1231.1	1245.8	1265.3	1282.2	1306.1	1328.8	1361.6	1390.5	1429.7	1464.2	1506.7
57.5°	1126.9	1136.2	1149.8	1160.9	1176.2	1189.1	1208.4	1224.0	1246.5	1266.1	1291.9
60°	1051.2	1057.4	1066.5	1073.8	1083.6	1090.2	1099.8	1107.2	1119.0	1128.9	1143.4
62.5°	989.3	992.5	998.4	1002.7	1009.0	1012.4	1017.4	1020.6	1027.2	1032.2	1040.2
65°	915.1	915.8	919.8	921.6	926.5	928.3	932.5	933.9	939.4	943.1	950.1
67.5°	854.2	852.6	852.7	851.2	851.9	850.5	850.8	849.4	851.5	852.7	858.0
70°	798.8	796.3	795.6	793.1	792.3	789.7	788.9	786.6	786.3	785.5	787.4
72.5°	744.7	744.0	744.2	742.3	742.1	740.4	740.5	739.3	740.6	741.2	743.6
75°	682.4	682.6	683.8	682.2	682.7	681.2	681.7	680.3	681.1	680.8	683.2
77.5°	606.7	608.4	611.7	611.1	612.1	610.5	611.2	609.2	609.8	608.4	609.4
80°	521.5	525.2	529.7	529.5	531.4	530.2	531.8	530.0	530.8	528.4	527.9
82.5°	420.3	423.5	428.3	428.5	432.6	433.3	438.0	437.8	440.7	438.9	437.5
85°	287.4	289.5	293.7	295.9	300.2	302.8	307.3	309.1	305.9	311.7	307.1
87.5°	150.1	155.6	152.5	159.8	158.0	165.4	163.9	170.7	169.3	175.2	174.4
90°	48.8	49.2	53.6	54.3	59.7	61.0	64.1	62.4	65.4	64.0	66.9
92.5°	37.9	40.5	43.1	45.6	48.0	50.6	48.2	45.9	43.6	41.4	39.0
95°	51.1	54.7	58.4	62.1	65.6	69.3	65.4	61.6	57.7	53.7	49.8
97.5°	59.8	63.7	67.7	71.6	75.6	79.5	74.9	70.2	65.6	61.1	56.4
100°	83.7	91.4	99.0	106.6	114.1	121.7	113.2	104.5	96.0	87.4	78.6
102.5°	165.9	183.4	200.8	218.3	235.6	253.1	234.8	216.7	198.3	180.1	161.7
105°	307.7	335.6	363.4	391.3	419.2	447.3	417.6	387.9	358.4	328.8	299.0
107.5°	452.4	479.6	506.9	534.2	561.4	588.8	558.8	528.6	498.8	468.5	438.5
110°	535.8	552.2	568.7	585.2	601.6	618.1	596.2	574.4	552.6	530.7	508.8



TEST NUMBER: P1444523
 CATALOG NUMBER: EHBR1-30-UNV-TA-L835-UPL15

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	552.3	560.7	569.0	577.5	585.7	594.2	578.7	563.2	547.5	531.9	516.3
115°	519.6	522.3	525.2	528.1	530.9	533.8	523.4	513.0	502.6	492.2	481.6
117.5°	458.5	458.4	458.1	458.2	457.9	457.8	452.0	446.3	440.6	434.8	429.1
120°	397.0	395.0	393.2	391.4	389.5	387.6	385.4	383.1	380.8	378.4	376.1
122.5°	343.7	342.8	341.5	340.3	339.1	337.9	337.2	336.7	335.8	335.1	334.3
125°	302.3	302.7	303.0	303.3	303.6	303.9	303.7	303.6	303.2	303.1	302.8
127.5°	274.8	276.3	277.5	279.0	280.1	281.6	281.7	282.0	282.1	282.3	282.5
130°	258.7	260.8	262.9	264.9	266.8	269.1	269.0	269.1	269.2	269.2	269.3
132.5°	250.0	252.3	254.6	257.1	259.3	261.5	261.5	261.6	261.4	261.6	261.4
135°	245.0	247.3	249.4	251.7	253.7	255.9	255.8	255.8	255.4	255.5	255.4
137.5°	242.3	244.2	246.0	247.8	249.5	251.3	251.0	251.0	250.7	250.8	250.6
140°	241.0	242.6	244.0	245.5	246.9	248.3	248.0	247.8	247.4	247.3	246.8
142.5°	240.6	241.6	242.7	244.0	245.0	246.2	245.5	245.0	244.4	244.0	243.4
145°	241.3	242.2	243.0	243.9	244.3	245.3	244.4	243.9	243.0	242.4	241.7
147.5°	241.1	241.7	242.1	242.7	243.0	243.7	242.9	242.2	241.5	240.8	240.0
150°	240.2	240.8	241.1	241.6	242.0	242.6	241.7	241.0	240.1	239.3	238.5
152.5°	238.3	238.7	239.1	239.5	239.9	240.3	239.4	238.8	237.9	237.1	236.2
155°	237.5	237.9	238.1	238.5	238.6	238.9	238.1	237.7	236.9	236.2	235.4
157.5°	237.7	238.0	238.3	238.5	238.7	239.0	238.4	237.9	237.4	236.9	236.3
160°	238.4	238.7	239.0	239.2	239.5	239.5	239.0	238.8	238.3	237.8	237.3
162.5°	240.1	240.5	240.8	241.0	241.3	241.6	241.1	240.7	240.2	239.7	239.0
165°	241.6	241.9	242.2	242.5	242.6	242.8	242.4	242.2	241.7	241.4	241.0
167.5°	244.1	244.4	244.6	244.9	245.0	245.2	244.8	244.6	244.2	243.9	243.4
170°	245.8	246.0	246.4	246.7	246.9	247.1	246.9	246.7	246.3	246.0	245.7
172.5°	248.0	248.2	248.3	248.6	248.7	249.0	248.7	248.4	248.1	247.7	247.4
175°	248.4	248.5	248.7	248.7	248.7	248.8	248.5	248.2	248.0	247.7	247.4
177.5°	249.6	249.6	249.6	249.5	249.5	249.5	249.3	249.1	248.9	248.7	248.5
180°	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3



TEST NUMBER: P1444523
 CATALOG NUMBER: EHBR1-30-UNV-TA-L835-UPL15

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9	25480.9
2.5°	25641.0	25629.9	25622.7	25613.6	25608.0	25600.9	25595.6	25591.3	25587.7	25584.4	25581.9
5°	26001.5	25944.2	25899.8	25851.6	25812.1	25772.6	25742.2	25716.9	25699.6	25686.5	25678.8
7.5°	26460.6	26355.7	26262.4	26164.2	26076.2	25989.6	25914.9	25850.7	25802.4	25771.1	25752.1
10°	26870.6	26730.1	26591.3	26445.0	26306.4	26171.9	26047.9	25938.7	25852.3	25794.9	25761.4
12.5°	27054.3	26934.7	26792.8	26634.1	26464.2	26292.3	26124.8	25973.7	25846.9	25761.8	25712.7
15°	26892.5	26843.4	26747.2	26623.9	26462.7	26285.0	26088.3	25903.4	25733.2	25623.0	25559.1
17.5°	26366.0	26434.6	26427.2	26380.1	26264.2	26114.6	25914.2	25706.5	25493.7	25346.3	25265.8
20°	25477.5	25693.1	25802.4	25858.5	25813.0	25716.0	25534.5	25323.8	25075.7	24883.3	24765.7
22.5°	24229.1	24609.5	24846.6	25020.1	25056.9	25023.9	24863.6	24663.2	24386.7	24155.4	23981.9
25°	22621.7	23179.2	23553.9	23847.7	23961.7	23991.2	23854.9	23655.5	23347.4	23077.8	22839.6
27.5°	20728.5	21452.9	21953.3	22348.0	22526.1	22603.4	22477.9	22274.5	21909.9	21588.2	21277.0
30°	18597.3	19456.6	20059.0	20532.4	20749.6	20851.6	20718.3	20491.3	20067.1	19679.9	19287.8
32.5°	16316.1	17256.4	17912.9	18427.0	18642.1	18738.2	18563.8	18308.8	17818.4	17362.3	16905.0
35°	13927.7	14876.9	15538.8	16039.2	16219.6	16277.5	16054.4	15759.6	15216.4	14715.8	14217.3
37.5°	11490.7	12373.8	12975.5	13424.5	13536.1	13546.1	13277.3	12951.8	12380.9	11887.3	11390.9
40°	9074.8	9819.5	10305.3	10664.7	10703.4	10668.8	10376.7	10049.0	9515.0	9072.7	8637.0
42.5°	6799.1	7361.3	7707.8	7954.1	7939.4	7871.2	7603.3	7321.7	6881.0	6544.2	6201.3
45°	4849.5	5220.1	5422.8	5566.9	5520.6	5455.6	5247.0	5049.7	4750.2	4532.6	4302.2
47.5°	3368.9	3811.6	3734.6	4016.4	3773.6	3933.9	3600.0	3415.9	3257.0	3141.4	3011.2
50°	2411.8	2513.4	2562.3	2595.8	2578.0	2553.3	2493.4	2439.8	2367.1	2314.2	2252.5
52.5°	1862.6	1913.4	1941.1	1961.3	1957.3	1948.3	1922.2	1898.2	1864.3	1841.9	1814.8
55°	1577.8	1578.4	1629.5	1607.6	1640.0	1602.1	1617.0	1575.0	1581.8	1545.7	1521.4
57.5°	1311.0	1331.9	1341.2	1350.2	1347.7	1346.1	1335.9	1330.9	1319.5	1316.0	1307.8
60°	1153.3	1164.1	1166.4	1170.5	1167.0	1165.7	1157.8	1154.9	1147.3	1145.9	1140.5
62.5°	1045.1	1050.6	1050.6	1050.6	1046.0	1041.8	1032.9	1028.3	1021.8	1020.3	1017.2
65°	954.8	960.5	961.5	962.6	959.3	955.9	948.2	943.2	936.6	933.9	930.4
67.5°	861.5	867.7	869.7	872.9	871.0	870.3	865.0	863.1	858.6	857.5	854.2
70°	788.3	790.9	790.7	790.6	786.5	782.8	776.7	773.8	769.1	768.1	765.1
72.5°	744.8	746.6	745.4	743.9	738.5	733.0	725.9	720.5	714.5	710.7	706.5
75°	683.5	685.9	684.4	683.3	678.5	675.0	669.1	666.2	662.0	660.8	657.8
77.5°	608.2	609.4	607.0	606.7	603.0	600.7	596.3	595.6	592.5	592.5	589.7
80°	524.5	523.8	519.9	519.1	515.5	514.5	511.1	511.3	508.9	509.8	507.9
82.5°	431.6	429.3	424.0	422.5	418.3	417.9	415.6	417.5	416.0	418.3	416.9
85°	309.3	309.9	307.7	307.7	306.4	306.8	306.6	308.0	308.2	310.3	310.2
87.5°	172.4	174.9	174.4	176.7	176.6	179.2	180.0	183.7	184.2	187.7	187.7
90°	65.4	68.7	67.2	70.6	70.1	73.9	74.1	77.8	77.5	80.7	79.6
92.5°	36.7	34.4	32.2	29.8	28.6	27.2	26.5	24.9	23.9	22.6	21.4
95°	45.9	42.0	38.0	34.1	32.8	31.3	30.1	28.7	27.3	26.0	24.7
97.5°	51.8	47.2	42.6	37.9	36.7	35.6	34.3	33.2	32.0	30.8	29.7
100°	70.0	61.4	52.8	44.1	43.1	42.2	41.2	40.2	39.2	38.1	37.1
102.5°	143.5	125.1	106.8	88.4	84.9	81.4	78.1	74.5	71.0	67.5	64.1
105°	269.4	239.7	210.0	180.3	170.8	161.3	151.9	142.4	132.9	123.5	114.1
107.5°	408.3	378.2	348.0	317.8	300.5	283.0	265.6	248.0	230.7	213.1	195.7
110°	486.8	464.9	442.9	420.8	406.9	392.9	378.8	364.8	350.7	336.6	322.5



TEST NUMBER: P1444523
 CATALOG NUMBER: EHBR1-30-UNV-TA-L835-UPL15

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	500.6	485.0	469.3	453.5	447.3	440.9	434.7	428.3	421.9	415.4	409.1
115°	471.1	460.6	450.0	439.3	437.2	435.0	432.9	430.6	428.5	426.1	423.9
117.5°	423.2	417.4	411.5	405.7	406.2	406.7	407.0	407.4	407.8	408.1	408.4
120°	373.7	371.4	369.0	366.6	368.7	370.8	372.8	374.7	376.7	378.4	380.3
122.5°	333.6	332.8	332.1	331.1	333.7	336.2	338.6	341.0	343.3	345.5	347.7
125°	302.7	302.3	302.1	301.7	304.4	306.9	309.4	311.7	314.2	316.3	318.5
127.5°	282.6	282.7	282.9	282.9	285.1	286.7	288.7	290.3	292.0	293.5	295.1
130°	269.2	269.2	269.3	269.3	271.1	272.9	274.7	276.1	277.6	278.9	280.2
132.5°	261.5	261.4	261.4	261.3	262.7	263.9	265.4	266.4	267.5	268.3	269.3
135°	255.4	255.1	255.0	254.8	256.2	257.5	258.7	259.7	260.8	261.5	262.3
137.5°	250.5	250.3	250.2	250.0	251.2	252.4	253.5	254.3	255.2	256.1	256.7
140°	246.7	246.2	246.1	245.7	246.9	247.7	248.8	249.6	250.5	251.0	251.7
142.5°	242.9	242.2	241.9	241.2	242.0	242.7	243.5	244.2	244.7	245.2	245.6
145°	241.0	240.2	239.6	238.7	239.4	240.0	240.6	241.1	241.5	241.8	242.1
147.5°	239.4	238.5	237.7	236.9	237.6	237.9	238.3	238.6	239.0	239.2	239.4
150°	237.7	236.7	235.7	234.8	235.2	235.5	235.8	236.2	236.4	236.5	236.7
152.5°	235.3	234.5	233.6	232.6	232.8	233.0	233.2	233.4	233.5	233.6	233.7
155°	234.6	233.8	233.0	232.2	232.4	232.6	232.7	232.8	232.7	232.7	232.7
157.5°	235.6	234.8	234.4	233.6	233.6	233.6	233.7	233.4	233.3	233.1	232.9
160°	236.9	236.2	235.7	235.0	234.9	234.8	234.9	234.6	234.6	234.3	234.1
162.5°	238.4	237.8	237.1	236.4	236.3	236.3	236.2	236.0	235.8	235.5	235.3
165°	240.7	240.1	239.7	239.0	238.9	238.7	238.6	238.3	238.1	237.8	237.5
167.5°	243.0	242.5	242.0	241.4	241.4	241.4	241.3	241.1	241.0	240.7	240.6
170°	245.3	244.8	244.5	244.1	243.9	243.8	243.6	243.4	243.1	242.9	242.6
172.5°	247.0	246.6	246.2	245.6	245.6	245.5	245.3	245.2	245.0	244.8	244.7
175°	247.1	246.9	246.4	246.1	246.0	245.9	245.8	245.7	245.5	245.4	245.2
177.5°	248.3	248.1	247.7	247.5	247.4	247.4	247.4	247.3	247.3	247.2	247.1
180°	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3



TEST NUMBER: P1444523
 CATALOG NUMBER: EHBR1-30-UNV-TA-L835-UPL15

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	25480.9	25480.9
2.5°	25579.6	25578.3
5°	25674.8	25673.2
7.5°	25747.1	25746.6
10°	25755.5	25760.0
12.5°	25704.2	25707.8
15°	25554.1	25561.1
17.5°	25267.2	25276.4
20°	24772.9	24782.5
22.5°	23972.5	23976.5
25°	22808.8	22792.3
27.5°	21222.3	21193.9
30°	19205.5	19177.9
32.5°	16800.8	16783.6
35°	14094.0	14083.2
37.5°	11244.2	11222.2
40°	8477.7	8413.3
42.5°	6051.1	5938.1
45°	4181.9	4047.9
47.5°	2919.3	2836.5
50°	2212.8	2186.1
52.5°	1803.0	1796.8
55°	1521.3	1518.6
57.5°	1309.7	1308.7
60°	1143.4	1143.1
62.5°	1019.4	1019.8
65°	932.0	932.2
67.5°	855.1	854.5
70°	766.3	765.6
72.5°	705.0	704.0
75°	657.8	657.2
77.5°	590.6	589.5
80°	509.1	507.9
82.5°	418.8	417.3
85°	312.4	312.5
87.5°	191.1	191.0
90°	82.6	81.1
92.5°	20.5	19.5
95°	23.4	22.0
97.5°	28.5	27.3
100°	36.2	35.2
102.5°	60.6	57.1
105°	104.6	95.2
107.5°	178.2	160.8
110°	308.4	294.4



TEST NUMBER: P1444523
CATALOG NUMBER: EHBR1-30-UNV-TA-L835-UPL15

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	402.6	396.2
115°	421.4	419.1
117.5°	408.6	408.8
120°	381.9	383.7
122.5°	349.6	351.7
125°	320.5	322.5
127.5°	296.2	297.5
130°	281.1	282.3
132.5°	269.8	270.3
135°	262.8	263.3
137.5°	257.0	257.4
140°	251.9	252.3
142.5°	245.8	246.0
145°	242.3	242.4
147.5°	239.2	239.3
150°	236.6	236.6
152.5°	233.5	233.5
155°	232.5	232.4
157.5°	232.5	232.3
160°	233.7	233.5
162.5°	234.9	234.7
165°	237.0	236.6
167.5°	240.2	240.1
170°	242.3	242.1
172.5°	244.4	244.2
175°	245.1	245.0
177.5°	247.1	246.9
180°	248.3	248.3

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-3

Test Date: 07/31/2025

Luminaire Tested: EHBR-60-L835-N

Data in this report applies to families of products including EHBR-60-L835-N

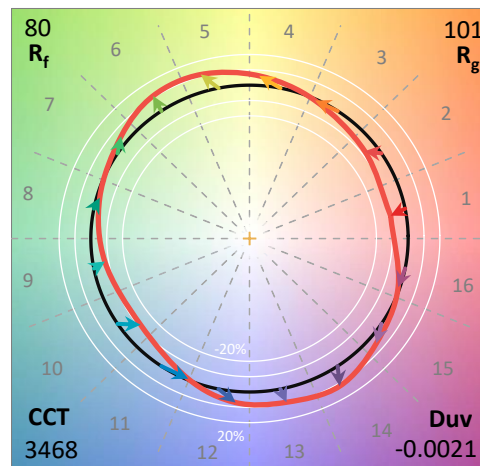
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-3
 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-L835-N**
 Description: Elevate Round Highbay at, 60000 lumens, 3500K 80CRI LEDs with N lens

Spectral Parameters

CCT (K): 3468
 CIE u': 0.2375
 CIE v': 0.5091
 Duv: -0.0021
 CIE x: 0.4049
 CIE y: 0.3856
 CIE z: 0.2095
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 581
 Purity: 37.24544
 Rf: 80.1
 Rg: 101

CRI (Ra):	82.1		
R1:	82.9	R9:	27.6
R2:	85.6	R10:	63.8
R3:	85.9	R11:	81.2
R4:	82.8	R12:	57.2
R5:	81.0	R13:	82.6
R6:	79.7	R14:	91.0
R7:	86.5	R15:	79.4
R8:	72.1		



Test Conditions

Stabilization Time: 39M
 Operation Time: 1H 39M
 Sphere Temperature (°C): 25.0

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

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CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 3500K 4-step quadrangle

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Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	60	NR	620	327	NR	750	7	NR	880	0	NR
365	0	NR	495	82	NR	625	322	NR	755	6	NR	885	0	NR
370	0	NR	500	114	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	152	NR	635	645	NR	765	4	NR	895	0	NR
380	0	NR	510	189	NR	640	197	NR	770	4	NR	900	0	NR
385	1	NR	515	222	NR	645	189	NR	775	3	NR	905	0	NR
390	2	NR	520	248	NR	650	163	NR	780	3	NR	910	0	NR
395	3	NR	525	268	NR	655	134	NR	785	2	NR	915	0	NR
400	4	NR	530	283	NR	660	113	NR	790	2	NR	920	0	NR
405	6	NR	535	294	NR	665	94	NR	795	2	NR	925	0	NR
410	9	NR	540	305	NR	670	87	NR	800	2	NR	930	0	NR
415	18	NR	545	314	NR	675	70	NR	805	1	NR	935	0	NR
420	34	NR	550	323	NR	680	60	NR	810	1	NR	940	0	NR
425	62	NR	555	335	NR	685	51	NR	815	1	NR	945	0	NR
430	102	NR	560	346	NR	690	44	NR	820	1	NR	950	0	NR
435	159	NR	565	356	NR	695	38	NR	825	1	NR	955	0	NR
440	241	NR	570	364	NR	700	32	NR	830	1	NR	960	0	NR
445	363	NR	575	371	NR	705	28	NR	835	1	NR	965	0	NR
450	389	NR	580	375	NR	710	24	NR	840	1	NR	970	0	NR
455	245	NR	585	375	NR	715	20	NR	845	0	NR	975	0	NR
460	158	NR	590	373	NR	720	17	NR	850	0	NR	980	0	NR
465	120	NR	595	364	NR	725	15	NR	855	0	NR	985	0	NR
470	79	NR	600	357	NR	730	13	NR	860	0	NR	990	0	NR
475	57	NR	605	349	NR	735	11	NR	865	0	NR	995	0	NR
480	51	NR	610	371	NR	740	9	NR	870	0	NR	1000	0	NR
485	51	NR	615	387	NR	745	8	NR	875	0	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.43

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	327	NR	750	7	NR	880	0	NR
365	0	NR	495	82	NR	625	322	NR	755	6	NR	885	0	NR
370	0	NR	500	114	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	152	NR	635	645	NR	765	4	NR	895	0	NR
380	0	NR	510	189	NR	640	197	NR	770	4	NR	900	0	NR
385	1	NR	515	222	NR	645	189	NR	775	3	NR	905	0	NR
390	2	NR	520	248	NR	650	163	NR	780	3	NR	910	0	NR
395	3	NR	525	268	NR	655	134	NR	785	2	NR	915	0	NR
400	4	NR	530	283	NR	660	113	NR	790	2	NR	920	0	NR
405	6	NR	535	294	NR	665	94	NR	795	2	NR	925	0	NR
410	9	NR	540	305	NR	670	87	NR	800	2	NR	930	0	NR
415	18	NR	545	314	NR	675	70	NR	805	1	NR	935	0	NR
420	34	NR	550	323	NR	680	60	NR	810	1	NR	940	0	NR
425	62	NR	555	335	NR	685	51	NR	815	1	NR	945	0	NR
430	102	NR	560	346	NR	690	44	NR	820	1	NR	950	0	NR
435	159	NR	565	356	NR	695	38	NR	825	1	NR	955	0	NR
440	241	NR	570	364	NR	700	32	NR	830	1	NR	960	0	NR
445	363	NR	575	371	NR	705	28	NR	835	1	NR	965	0	NR
450	389	NR	580	375	NR	710	24	NR	840	1	NR	970	0	NR
455	245	NR	585	375	NR	715	20	NR	845	0	NR	975	0	NR
460	158	NR	590	373	NR	720	17	NR	850	0	NR	980	0	NR
465	120	NR	595	364	NR	725	15	NR	855	0	NR	985	0	NR
470	79	NR	600	357	NR	730	13	NR	860	0	NR	990	0	NR
475	57	NR	605	349	NR	735	11	NR	865	0	NR	995	0	NR
480	51	NR	610	371	NR	740	9	NR	870	0	NR	1000	0	NR
485	51	NR	615	387	NR	745	8	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.75

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	327	NR	750	7	NR	880	0	NR
365	0	NR	495	82	NR	625	322	NR	755	6	NR	885	0	NR
370	0	NR	500	114	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	152	NR	635	645	NR	765	4	NR	895	0	NR
380	0	NR	510	189	NR	640	197	NR	770	4	NR	900	0	NR
385	1	NR	515	222	NR	645	189	NR	775	3	NR	905	0	NR
390	2	NR	520	248	NR	650	163	NR	780	3	NR	910	0	NR
395	3	NR	525	268	NR	655	134	NR	785	2	NR	915	0	NR
400	4	NR	530	283	NR	660	113	NR	790	2	NR	920	0	NR
405	6	NR	535	294	NR	665	94	NR	795	2	NR	925	0	NR
410	9	NR	540	305	NR	670	87	NR	800	2	NR	930	0	NR
415	18	NR	545	314	NR	675	70	NR	805	1	NR	935	0	NR
420	34	NR	550	323	NR	680	60	NR	810	1	NR	940	0	NR
425	62	NR	555	335	NR	685	51	NR	815	1	NR	945	0	NR
430	102	NR	560	346	NR	690	44	NR	820	1	NR	950	0	NR
435	159	NR	565	356	NR	695	38	NR	825	1	NR	955	0	NR
440	241	NR	570	364	NR	700	32	NR	830	1	NR	960	0	NR
445	363	NR	575	371	NR	705	28	NR	835	1	NR	965	0	NR
450	389	NR	580	375	NR	710	24	NR	840	1	NR	970	0	NR
455	245	NR	585	375	NR	715	20	NR	845	0	NR	975	0	NR
460	158	NR	590	373	NR	720	17	NR	850	0	NR	980	0	NR
465	120	NR	595	364	NR	725	15	NR	855	0	NR	985	0	NR
470	79	NR	600	357	NR	730	13	NR	860	0	NR	990	0	NR
475	57	NR	605	349	NR	735	11	NR	865	0	NR	995	0	NR
480	51	NR	610	371	NR	740	9	NR	870	0	NR	1000	0	NR
485	51	NR	615	387	NR	745	8	NR	875	0	NR			

Summary

$R_f = 80.1$
 $R_g = 101$
 $CIE R_a = 82.1$
 $R_9 = 27.6$



Color Vector Graphics

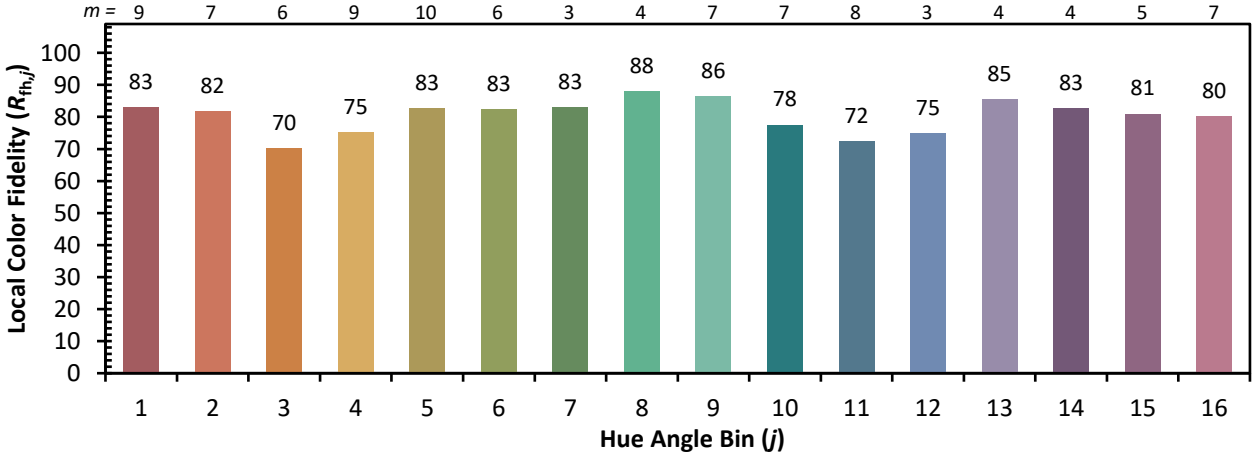


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 68	CES51 = 90	CES76 = 59
CES02 = 62	CES27 = 89	CES52 = 90	CES77 = 78
CES03 = 31	CES28 = 84	CES53 = 81	CES78 = 61
CES04 = 70	CES29 = 66	CES54 = 91	CES79 = 86
CES05 = 49	CES30 = 77	CES55 = 90	CES80 = 82
CES06 = 51	CES31 = 69	CES56 = 80	CES81 = 79
CES07 = 42	CES32 = 62	CES57 = 79	CES82 = 92
CES08 = 41	CES33 = 74	CES58 = 81	CES83 = 89
CES09 = 29	CES34 = 72	CES59 = 92	CES84 = 89
CES10 = 75	CES35 = 85	CES60 = 94	CES85 = 82
CES11 = 58	CES36 = 97	CES61 = 90	CES86 = 78
CES12 = 64	CES37 = 79	CES62 = 92	CES87 = 82
CES13 = 43	CES38 = 85	CES63 = 78	CES88 = 86
CES14 = 74	CES39 = 94	CES64 = 79	CES89 = 76
CES15 = 71	CES40 = 89	CES65 = 76	CES90 = 85
CES16 = 47	CES41 = 89	CES66 = 73	CES91 = 83
CES17 = 49	CES42 = 77	CES67 = 70	CES92 = 73
CES18 = 56	CES43 = 74	CES68 = 76	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 81	CES94 = 65
CES20 = 66	CES45 = 83	CES70 = 68	CES95 = 79
CES21 = 86	CES46 = 82	CES71 = 64	CES96 = 85
CES22 = 78	CES47 = 81	CES72 = 88	CES97 = 85
CES23 = 92	CES48 = 80	CES73 = 60	CES98 = 82
CES24 = 91	CES49 = 80	CES74 = 97	CES99 = 81
CES25 = 72	CES50 = 89	CES75 = 64	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)