

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: P1444518

Luminaire Tested: EHBR1-24-UNV-TA-L835-UPL30

Issue Date: 5/1/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1444518  
REPORT IS A COMBINATION OF REPORTS P1444338 AND P1431635  
Test Lab: INNOVATION CENTER  
Issue Date: 5/1/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: EHBR1-24-UNV-TA-L835-UPL30  
Description: Elevate Round Highbay at, 24000 lumens, 3500K 80CRI LEDs with TA lens  
Light Source: -  
Ballast/Driver: -

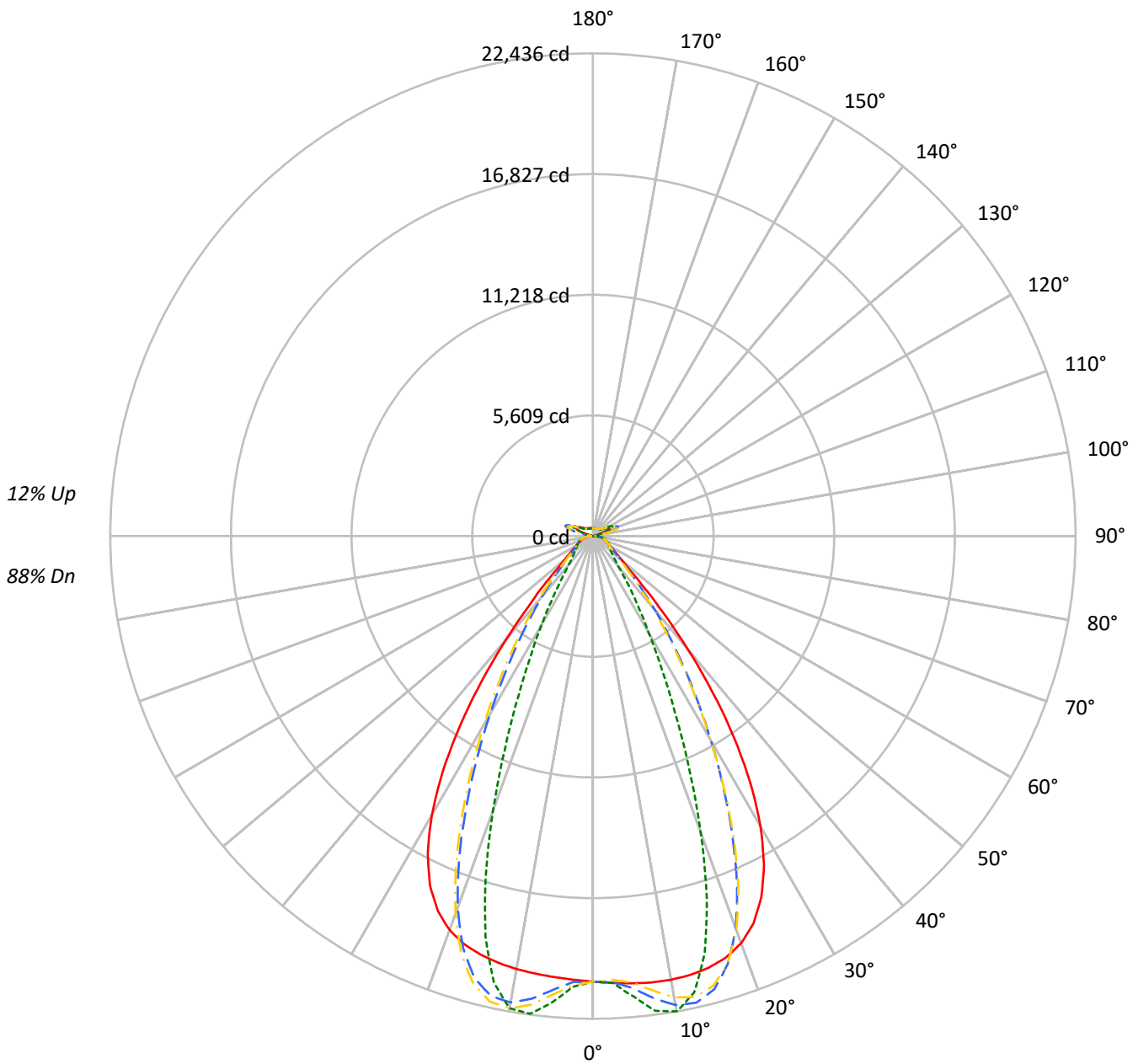
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26934.1 lumens  
Efficiency: N/A  
Efficacy: 179.2 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 0.77 / 0.88  
Luminous Opening: Vertical Cylinder (Dia: 1.71' x H: 0.1')  
CIE Type: Semi-Direct

Input Watts (W): 150.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P1444518  
CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL30

### 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	112	112	112	112	105	105	105	98	98	98	91	91	91	88			88
1	109	106	102	100	105	102	100	97	96	94	92	90	89	87	85	84	83	80			80
2	102	96	91	87	99	93	89	85	88	85	82	84	81	78	79	77	75	72			72
3	96	88	82	77	93	86	80	76	82	77	73	77	74	71	74	71	68	66			66
4	90	81	75	70	87	79	73	69	75	71	67	72	68	65	69	65	63	61			61
5	85	75	68	63	82	73	67	62	70	65	61	67	63	59	64	61	58	56			56
6	80	70	63	58	77	68	62	57	65	60	56	63	58	55	60	56	53	52			52
7	75	65	58	53	73	64	57	53	61	56	52	59	54	51	57	53	50	48			48
8	71	61	54	49	69	59	53	49	57	52	48	55	51	47	54	49	46	45			45
9	67	57	50	46	66	56	50	45	54	49	45	52	47	44	51	46	43	42			42
10	64	53	47	43	62	53	46	42	51	45	42	49	45	41	48	44	40	39			39

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	97255	97255	97255	97255
5°	97725	100575	96358	101893
10°	98542	105597	96178	104898
15°	99025	95722	96010	91868
20°	98001	71310	94793	65979
25°	92762	45099	89696	40920
30°	81034	27102	77896	24768
35°	62365	17006	58777	15065
40°	39451	10668	36095	10025
45°	20334	8311	19997	8175
50°	11921	7392	11556	7277
55°	9133	6994	8795	6931
60°	7728	7145	7399	7051
65°	7259	7460	6980	7206
70°	7091	7812	6738	7518
75°	7583	8285	7173	7918
80°	7847	9174	7115	8375
85°	7387	8854	5973	7579

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 25°  
 Vertical Angle: 45°  
 Luminance: 31119 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2041.0	7.6
10°-20°	5741.5	21.3
20°-30°	6539.1	24.3
30°-40°	4700.0	17.5
40°-50°	2167.6	8.0
50°-60°	1037.3	3.9
60°-70°	756.9	2.8
70°-80°	575.0	2.1
80°-90°	266.8	1.0
90°-100°	86.3	0.3
100°-110°	521.6	1.9
110°-120°	964.2	3.6
120°-130°	583.2	2.2
130°-140°	366.3	1.4
140°-150°	264.8	1.0
150°-160°	180.1	0.7
160°-170°	106.4	0.4
170°-180°	36.0	0.1
0°-30°	14321.6	53.2
0°-40°	19021.7	70.6
0°-60°	22226.6	82.5
0°-90°	23825.3	88.5
90°-120°	1572.1	5.8
90°-150°	2786.4	10.3
90°-180°	3109.0	11.5
0°-180°	26934.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	20710	20710	20710	20710	20710	
5°	20866	21474	20574	21756	20866	1994
15°	20775	20082	20142	19273	20775	5853
25°	18524	9006	17912	8172	18524	8398
35°	11446	3121	10788	2765	11446	7025
45°	3290	1345	3235	1323	3290	2798
55°	1234	945	1189	937	1234	1139
65°	758	779	729	752	758	757
75°	534	584	505	558	534	555
85°	254	304	205	260	254	239
90°	79	97	30	34	79	48
95°	40	44	40	45	40	38
105°	186	241	123	242	186	247
115°	838	1022	878	1022	838	773
125°	621	660	704	661	621	566
135°	476	430	513	432	476	372
145°	412	407	440	410	412	261
155°	377	382	403	385	377	176
165°	369	371	383	373	369	105
175°	374	378	381	379	374	36
180°	378	378	378	378	378	



TEST NUMBER: P1444518  
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**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7
2.5°	20788.9	20787.2	20786.8	20785.4	20785.0	20785.0	20784.3	20782.6	20781.6	20779.2	20776.4
5°	20865.9	20865.1	20865.6	20865.7	20864.3	20861.1	20856.0	20849.7	20842.0	20834.6	20828.0
7.5°	20925.7	20927.1	20929.0	20928.6	20924.0	20916.5	20906.1	20900.3	20903.7	20914.9	20940.7
10°	20936.5	20945.4	20948.8	20947.8	20938.8	20932.3	20934.8	20956.7	21000.4	21058.6	21138.3
12.5°	20894.1	20905.0	20904.6	20900.9	20892.2	20901.1	20932.9	20998.2	21091.9	21206.8	21341.5
15°	20774.9	20789.0	20785.0	20780.3	20774.5	20803.7	20867.2	20980.6	21125.2	21287.2	21453.1
17.5°	20543.4	20560.5	20552.3	20546.9	20542.0	20596.8	20705.9	20871.9	21054.1	21237.4	21394.6
20°	20142.0	20153.5	20133.8	20124.5	20132.3	20239.7	20400.3	20612.5	20804.5	20977.7	21085.2
22.5°	19486.9	19501.2	19464.1	19459.8	19505.6	19670.5	19873.7	20110.9	20291.2	20428.6	20470.0
25°	18524.5	18538.5	18494.4	18520.7	18598.6	18823.2	19065.3	19318.9	19472.9	19574.6	19546.6
27.5°	17225.4	17238.1	17196.3	17250.1	17373.1	17668.3	17953.2	18228.4	18365.6	18436.8	18346.5
30°	15586.9	15613.4	15564.1	15639.0	15826.8	16210.1	16536.5	16845.0	16981.8	17036.1	16895.5
32.5°	13640.9	13678.6	13624.2	13735.8	13997.8	14458.2	14829.0	15173.8	15325.0	15387.0	15228.2
35°	11446.2	11500.2	11437.7	11605.2	11928.5	12441.1	12851.7	13236.6	13415.8	13503.5	13343.5
37.5°	9120.8	9172.3	9138.6	9362.0	9716.9	10248.2	10667.4	11082.7	11284.9	11416.7	11290.5
40°	6837.9	6885.0	6910.6	7166.1	7499.9	8000.7	8403.3	8814.1	9040.4	9205.9	9128.0
42.5°	4826.2	4873.7	4960.6	5207.2	5485.5	5900.0	6244.9	6613.8	6830.0	7006.5	6976.4
45°	3289.9	3345.1	3454.0	3655.8	3857.1	4154.5	4407.8	4694.6	4871.3	5032.9	5034.9
47.5°	2305.5	2344.2	2441.4	2579.3	2710.5	3082.8	3098.1	3239.1	3357.9	3478.7	3494.3
50°	1776.7	1800.1	1851.7	1928.5	2002.8	2099.5	2187.9	2290.1	2363.3	2429.5	2445.3
52.5°	1460.3	1475.2	1501.5	1543.1	1586.2	1638.8	1686.1	1742.2	1782.0	1817.5	1824.8
55°	1234.2	1246.5	1285.6	1293.5	1342.8	1352.4	1373.4	1407.6	1430.7	1451.9	1457.2
57.5°	1063.7	1072.5	1080.8	1098.6	1113.8	1135.9	1153.7	1178.2	1192.7	1208.0	1209.4
60°	929.0	935.5	941.4	953.6	964.0	979.3	991.6	1008.3	1018.8	1030.2	1031.6
62.5°	828.8	833.5	837.4	845.5	852.9	864.7	874.4	888.4	898.1	907.0	909.0
65°	757.7	761.0	763.6	769.7	776.1	786.2	795.0	806.3	813.5	820.3	821.8
67.5°	694.5	697.7	700.4	706.0	710.4	717.9	723.8	732.4	737.8	743.2	743.3
70°	622.2	625.2	627.2	632.5	636.1	642.5	647.2	655.0	660.4	666.5	668.1
72.5°	572.2	573.9	576.6	581.4	586.4	593.3	599.7	607.7	614.4	620.7	623.3
75°	534.2	536.2	537.9	542.0	545.5	551.3	556.1	563.3	569.2	576.0	579.3
77.5°	479.2	481.5	483.1	487.1	490.1	495.8	499.3	505.8	510.6	516.7	519.7
80°	412.8	415.0	416.1	419.9	422.3	427.4	430.9	437.2	441.2	447.3	451.0
82.5°	339.2	341.3	341.9	345.6	346.8	351.1	353.6	360.0	365.0	372.9	378.4
85°	253.9	254.7	256.0	255.0	260.1	260.5	266.4	267.4	275.1	277.1	285.8
87.5°	155.2	157.6	158.7	162.2	163.8	167.4	168.4	172.2	174.2	178.5	180.5
90°	78.8	83.3	85.3	90.4	92.4	97.1	98.8	103.9	106.0	111.2	114.5
92.5°	34.7	37.0	39.4	41.9	44.3	47.1	49.7	52.3	54.8	57.5	62.2
95°	39.7	42.4	45.1	47.9	50.6	53.3	56.0	58.9	61.6	64.3	72.3
97.5°	49.9	52.4	54.7	57.1	59.4	61.9	64.2	66.6	68.9	71.3	80.8
100°	65.4	67.4	69.3	71.4	73.4	75.3	77.4	79.4	81.4	83.4	101.0
102.5°	108.8	115.9	123.0	130.1	137.3	144.4	151.6	158.6	165.8	172.9	210.3
105°	185.5	204.8	224.2	243.5	262.8	282.2	301.5	320.7	339.9	359.3	420.3
107.5°	318.0	353.8	389.6	425.4	461.2	496.8	532.6	568.3	604.0	639.7	701.5
110°	589.2	617.8	646.7	675.4	704.3	733.1	761.9	790.4	819.3	848.0	893.2



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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°	794.9	808.0	821.0	834.1	847.1	860.1	873.0	886.1	899.1	912.0	944.4
115°	838.2	842.9	847.5	852.0	856.8	861.2	865.9	870.3	875.0	879.3	901.4
117.5°	813.1	812.3	811.7	810.9	810.1	809.3	808.6	807.7	806.9	806.0	818.4
120°	757.0	753.0	749.3	745.3	741.4	737.3	733.5	729.4	725.5	721.3	726.7
122.5°	686.4	681.7	677.3	672.3	667.7	662.8	658.2	653.0	648.4	643.5	645.7
125°	621.0	616.3	611.7	606.9	602.0	597.2	592.3	587.4	582.6	577.6	578.9
127.5°	564.0	560.8	557.6	554.0	550.7	547.3	543.9	540.2	536.9	533.2	533.6
130°	526.9	524.1	521.1	518.0	515.0	511.8	508.7	505.4	502.3	499.0	499.6
132.5°	496.3	494.4	492.4	490.1	488.0	485.7	483.5	480.9	478.7	476.4	477.2
135°	475.7	473.8	472.0	470.1	468.0	465.7	463.6	461.3	459.2	456.9	458.0
137.5°	458.1	456.5	454.8	452.9	451.1	448.9	447.1	444.9	442.9	440.8	441.8
140°	442.0	440.5	438.9	437.2	435.6	433.8	432.0	430.0	428.3	426.3	427.5
142.5°	424.0	422.8	421.7	420.3	419.1	417.5	416.2	414.5	413.2	411.6	413.2
145°	412.2	411.2	410.3	409.2	408.0	406.8	405.6	404.1	403.1	401.7	403.4
147.5°	401.7	400.9	400.2	399.4	398.5	397.4	396.4	395.3	394.3	393.3	394.9
150°	392.6	391.9	391.2	390.5	389.6	388.5	387.6	386.7	385.6	384.6	386.3
152.5°	383.1	382.3	381.6	381.0	380.1	379.0	378.2	377.3	376.3	375.3	376.8
155°	377.2	376.4	375.6	375.0	374.2	373.2	372.3	371.5	370.6	369.6	370.8
157.5°	373.2	372.5	372.0	371.4	370.9	370.2	369.5	368.8	368.2	367.5	368.3
160°	371.2	370.6	370.1	369.4	368.7	368.2	367.6	366.8	366.3	365.5	366.2
162.5°	369.2	368.6	368.1	367.4	366.8	366.1	365.5	365.0	364.4	363.7	364.6
165°	368.8	368.5	368.1	367.8	367.4	367.0	366.6	366.1	365.7	365.3	365.8
167.5°	371.7	371.1	370.7	370.1	369.5	369.0	368.6	368.0	367.5	366.8	367.4
170°	372.3	371.9	371.7	371.5	371.2	370.9	370.6	370.3	370.0	369.7	370.2
172.5°	374.0	373.7	373.5	373.4	373.1	372.9	372.7	372.4	372.3	371.9	372.7
175°	373.7	373.4	373.3	373.2	373.0	372.9	372.8	372.6	372.6	372.4	372.8
177.5°	376.1	376.0	376.0	376.0	376.0	375.9	375.8	375.6	375.6	375.6	375.9
180°	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3



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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°	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7
2.5°	20774.5	20772.0	20768.5	20764.1	20760.3	20756.0	20745.6	20742.6	20746.0	20748.3	20753.1
5°	20823.9	20825.3	20825.8	20835.3	20843.4	20863.8	21023.1	21086.4	21135.4	21166.4	21213.6
7.5°	20972.7	21020.6	21067.9	21131.6	21186.6	21260.8	21539.5	21658.2	21742.6	21803.2	21877.8
10°	21224.9	21329.4	21427.4	21542.2	21641.0	21754.0	22013.5	22129.1	22202.1	22255.2	22304.8
12.5°	21478.9	21623.9	21754.9	21882.7	21989.5	22087.6	22178.8	22219.3	22222.7	22224.5	22198.1
15°	21611.3	21749.8	21865.3	21949.8	22012.6	22040.3	21883.3	21800.8	21696.7	21610.9	21469.7
17.5°	21527.7	21610.9	21660.7	21655.9	21629.9	21543.0	21098.0	20853.2	20610.2	20391.3	20104.1
20°	21156.5	21150.1	21106.8	20983.8	20835.8	20605.6	19842.6	19402.5	18976.8	18603.0	18149.6
22.5°	20465.8	20357.1	20205.6	19940.6	19646.3	19244.1	18150.7	17503.2	16910.8	16387.4	15801.0
25°	19465.0	19241.4	18962.0	18541.4	18083.9	17497.2	16149.7	15344.3	14632.9	14016.1	13339.6
27.5°	18184.3	17847.4	17437.9	16855.7	16236.0	15484.4	13990.4	13101.6	12338.0	11676.6	10956.5
30°	16667.9	16229.9	15701.1	14978.5	14231.0	13378.5	11863.3	10963.0	10190.1	9509.6	8789.1
32.5°	14954.4	14441.3	13821.6	13010.7	12202.3	11325.7	9862.4	8991.0	8252.6	7598.0	6945.9
35°	13064.4	12514.2	11858.6	11031.5	10227.9	9375.7	8033.0	7247.3	6595.3	6016.7	5490.1
37.5°	11037.0	10496.8	9873.7	9094.2	8349.0	7576.8	6418.2	5759.8	5212.7	4732.4	4325.8
40°	8929.1	8456.4	7917.2	7243.3	6607.4	5964.3	5013.2	4490.6	4058.8	3692.6	3387.9
42.5°	6847.1	6480.7	6067.3	5534.7	5048.1	4558.4	3826.4	3439.2	3119.4	2855.7	2640.3
45°	4967.8	4722.7	4445.4	4075.2	3738.5	3397.0	2875.9	2603.8	2395.5	2225.5	2081.8
47.5°	3472.8	3330.6	3321.9	2979.7	2732.9	2524.0	2188.3	2016.5	1888.9	1785.8	1694.9
50°	2438.8	2370.0	2284.6	2162.5	2047.9	1929.8	1725.4	1621.5	1546.7	1484.3	1426.8
52.5°	1823.2	1787.5	1742.0	1677.2	1615.1	1548.7	1419.3	1353.1	1329.6	1271.6	1226.0
55°	1456.3	1435.7	1409.8	1371.8	1334.0	1318.9	1208.0	1158.9	1127.8	1104.9	1080.4
57.5°	1209.6	1194.4	1179.0	1153.2	1131.4	1104.9	1046.0	1020.8	1002.3	988.8	971.9
60°	1031.8	1022.7	1014.0	998.9	987.1	972.8	935.5	921.2	911.6	903.5	892.6
62.5°	910.7	906.0	901.6	893.5	887.5	879.7	854.1	847.4	842.5	838.4	831.8
65°	823.2	819.9	817.4	812.1	809.1	804.5	782.6	777.9	775.0	773.5	769.7
67.5°	743.8	740.3	738.7	734.9	733.6	730.8	712.8	710.2	709.3	709.8	708.3
70°	669.5	668.1	668.8	668.2	669.9	670.4	659.5	659.4	660.6	662.9	663.1
72.5°	625.0	625.0	625.8	626.2	627.8	628.6	619.6	619.1	619.6	621.3	621.4
75°	582.6	583.3	585.7	586.4	588.3	588.7	576.7	575.4	575.4	577.0	576.5
77.5°	524.0	526.5	530.9	533.2	536.9	537.6	524.2	522.5	522.6	524.2	522.8
80°	457.5	462.3	469.3	474.1	479.8	482.1	468.2	464.9	461.9	461.4	458.6
82.5°	386.8	392.7	401.0	405.4	411.5	412.9	389.8	385.3	382.8	383.0	380.5
85°	295.2	299.7	307.3	309.8	313.6	313.2	286.8	275.6	278.6	273.8	277.5
87.5°	185.2	187.8	192.6	193.1	195.0	194.6	168.0	162.8	161.2	161.3	159.4
90°	120.8	124.6	130.7	132.7	137.4	139.0	119.6	119.0	115.5	114.7	110.4
92.5°	67.4	72.1	77.1	81.9	86.9	91.8	94.2	98.4	93.5	88.1	83.5
95°	80.4	88.3	96.4	104.4	112.5	120.4	128.5	136.5	129.1	121.5	114.0
97.5°	90.3	99.8	109.3	118.7	128.2	137.7	147.2	156.7	148.6	140.4	132.4
100°	118.7	136.4	154.1	171.7	189.4	207.1	224.8	242.5	227.0	211.4	195.9
102.5°	247.8	285.4	322.9	360.5	398.0	435.6	473.3	510.9	475.2	439.4	403.7
105°	481.2	542.0	602.9	663.7	724.6	785.4	846.6	907.5	850.5	793.3	736.4
107.5°	763.2	825.0	886.7	948.4	1010.2	1072.0	1134.1	1195.8	1140.3	1084.5	1029.0
110°	938.3	983.4	1028.6	1073.5	1118.6	1163.6	1209.2	1254.4	1220.9	1187.6	1154.1



TEST NUMBER: P1444518  
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**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	976.6	1008.9	1041.2	1073.5	1105.6	1137.8	1170.8	1203.2	1186.5	1169.7	1153.1
115°	923.1	944.9	966.6	988.4	1010.2	1031.9	1054.6	1076.6	1071.2	1065.9	1060.8
117.5°	830.6	842.8	855.1	867.2	879.3	891.7	904.9	917.4	918.3	919.4	920.5
120°	732.0	737.2	742.3	747.7	752.8	758.0	764.5	770.0	774.6	779.2	783.8
122.5°	647.8	649.8	652.0	654.0	656.0	658.1	661.7	664.1	667.2	670.6	673.8
125°	579.9	581.1	582.2	583.1	584.1	585.3	588.1	589.4	589.8	590.1	590.5
127.5°	534.0	534.3	534.6	534.9	535.1	535.5	537.7	538.3	536.7	534.8	533.1
130°	500.2	500.9	501.5	502.3	502.8	503.5	506.0	507.2	504.0	500.7	497.5
132.5°	477.9	478.7	479.5	480.3	481.1	481.9	484.8	486.1	482.5	478.6	474.8
135°	458.8	459.9	460.9	461.7	462.7	463.9	467.1	468.6	465.1	461.4	458.0
137.5°	442.6	443.7	444.7	445.7	446.7	447.8	451.4	452.9	450.1	447.2	444.5
140°	428.7	429.7	431.0	432.3	433.4	434.7	438.6	440.4	438.3	436.0	433.8
142.5°	414.5	416.3	417.9	419.6	421.1	422.9	427.3	429.6	428.1	426.3	424.8
145°	405.1	406.9	408.8	410.6	412.5	414.4	419.5	422.1	421.1	420.0	419.0
147.5°	396.3	398.0	399.8	401.4	403.2	405.2	410.2	412.8	412.3	411.6	411.0
150°	387.8	389.5	391.1	393.0	394.8	396.8	402.3	405.1	404.6	404.0	403.5
152.5°	378.2	379.8	381.4	382.9	384.6	386.4	392.8	395.6	395.1	394.5	394.2
155°	371.9	373.2	374.4	375.7	377.0	378.4	385.1	387.8	387.6	387.3	387.0
157.5°	369.1	370.0	370.8	371.8	372.7	373.8	380.6	383.0	382.7	382.5	382.2
160°	366.9	367.7	368.3	369.0	369.7	370.6	377.5	379.7	379.5	379.2	378.9
162.5°	365.4	366.4	367.2	368.2	369.0	370.1	377.1	379.7	379.1	378.7	378.3
165°	366.4	366.9	367.5	368.2	368.7	369.3	375.8	377.9	377.8	377.5	377.2
167.5°	368.0	368.6	369.2	369.9	370.5	371.3	377.4	379.3	379.1	378.8	378.7
170°	370.6	371.3	371.6	372.2	372.7	373.4	378.4	380.1	379.9	379.3	379.0
172.5°	373.1	373.9	374.4	375.0	375.5	376.2	380.5	382.1	381.8	381.5	381.1
175°	373.2	373.7	374.2	374.7	375.1	375.7	379.0	380.2	380.1	380.0	379.8
177.5°	376.3	376.5	376.9	377.3	377.7	378.0	380.1	380.8	380.8	380.8	380.7
180°	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3



TEST NUMBER: P1444518  
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**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7
2.5°	20754.1	20761.4	20762.5	20771.0	20770.3	20780.5	20778.9	20787.2	20782.4	20789.1	20783.4
5°	21241.6	21285.8	21309.0	21352.1	21365.7	21404.4	21415.2	21450.4	21451.9	21479.8	21473.5
7.5°	21930.8	21995.9	22034.6	22087.9	22115.0	22159.4	22179.0	22211.9	22222.4	22248.5	22250.6
10°	22342.3	22374.0	22396.0	22410.9	22424.5	22430.9	22438.4	22436.3	22438.4	22435.5	22441.8
12.5°	22180.5	22134.2	22103.7	22045.9	22012.3	21948.3	21916.9	21855.4	21833.1	21780.3	21772.7
15°	21360.6	21199.6	21085.8	20920.4	20816.4	20653.6	20558.4	20411.6	20344.5	20227.7	20197.1
17.5°	19866.5	19567.5	19336.3	19039.5	18833.6	18556.3	18381.9	18152.4	18026.6	17841.5	17777.4
20°	17771.6	17329.3	16982.4	16569.1	16273.2	15904.7	15668.8	15371.2	15198.4	14971.0	14878.9
22.5°	15312.2	14761.6	14328.3	13840.0	13483.1	13072.3	12789.7	12467.7	12279.8	12032.8	11923.4
25°	12777.4	12170.1	11688.4	11173.9	10796.8	10385.1	10102.4	9786.1	9591.6	9357.0	9248.4
27.5°	10352.9	9738.3	9272.7	8794.4	8448.5	8077.0	7821.8	7545.7	7373.1	7173.0	7070.7
30°	8213.5	7671.3	7275.2	6878.2	6590.4	6288.8	6076.7	5847.9	5696.4	5525.0	5427.6
32.5°	6470.4	6051.9	5741.6	5426.7	5191.2	4939.1	4755.8	4553.9	4417.2	4264.2	4176.0
35°	5124.4	4799.2	4551.8	4292.5	4090.2	3875.5	3714.0	3539.8	3417.1	3285.4	3209.2
37.5°	4048.8	3790.2	3586.6	3371.3	3205.1	3027.2	2967.2	2767.2	2640.2	2535.0	2462.2
40°	3177.5	2972.0	2803.5	2638.7	2503.2	2368.3	2260.0	2153.1	2071.1	1995.9	1943.8
42.5°	2481.5	2332.4	2209.4	2088.8	1989.9	1891.5	1813.1	1739.5	1684.2	1635.1	1601.5
45°	1972.6	1870.2	1784.7	1699.6	1629.9	1564.3	1511.4	1464.5	1428.8	1399.3	1378.3
47.5°	1620.5	1550.4	1490.1	1432.7	1385.4	1342.4	1307.0	1295.5	1257.1	1231.2	1221.4
50°	1377.2	1334.9	1289.0	1246.7	1215.1	1183.7	1160.7	1138.2	1123.9	1112.0	1108.4
52.5°	1195.6	1163.3	1137.8	1111.0	1090.1	1067.7	1051.9	1036.9	1029.1	1022.9	1022.1
55°	1060.7	1038.0	1021.1	1003.2	990.7	977.5	969.3	961.4	958.0	954.8	955.1
57.5°	958.5	943.3	932.4	920.8	914.0	907.7	905.6	903.6	904.7	905.1	906.9
60°	884.0	874.2	867.3	860.6	857.8	855.8	857.3	859.1	862.7	865.6	868.2
62.5°	827.0	821.4	818.1	814.4	814.1	814.3	817.3	820.3	824.9	828.2	830.8
65°	768.3	765.0	764.0	761.7	762.8	763.6	767.3	769.5	774.0	776.8	780.0
67.5°	709.0	708.2	708.9	708.9	710.9	712.8	716.3	718.9	722.7	725.2	727.8
70°	665.2	665.5	667.1	667.4	669.6	670.8	673.9	675.5	679.0	681.1	684.3
72.5°	622.5	621.8	622.2	621.2	622.0	621.7	623.4	624.2	627.2	628.8	632.6
75°	577.2	575.3	574.8	572.8	572.9	571.3	572.1	572.0	573.9	574.7	577.4
77.5°	522.3	519.1	517.6	514.2	514.1	512.8	514.2	515.0	518.4	520.0	523.1
80°	456.8	451.7	449.4	445.4	446.1	445.9	449.3	451.8	456.0	456.8	460.8
82.5°	379.7	374.6	372.1	368.2	369.1	369.1	372.2	372.8	376.4	378.0	382.5
85°	271.9	273.8	268.4	268.8	267.6	269.7	271.9	274.5	277.5	282.5	286.3
87.5°	160.1	159.4	161.3	161.5	164.4	165.8	170.3	172.8	177.7	181.7	188.7
90°	108.8	104.5	104.2	101.7	102.6	100.1	101.1	98.5	100.2	99.1	101.6
92.5°	78.0	73.1	67.7	62.8	57.5	52.7	50.0	47.9	45.3	43.2	40.5
95°	106.6	99.0	91.5	84.1	76.6	69.1	66.4	63.7	60.9	58.2	55.5
97.5°	124.3	116.4	108.3	100.2	92.1	84.1	82.2	80.4	78.6	76.8	75.0
100°	180.3	164.7	149.2	133.6	118.1	102.6	101.1	99.7	98.2	96.8	95.2
102.5°	368.2	332.6	297.0	261.3	225.7	190.0	183.8	177.6	171.4	165.2	159.0
105°	679.3	622.2	565.2	508.3	451.3	394.2	377.3	360.1	343.1	326.2	309.1
107.5°	973.3	917.6	862.1	806.5	750.9	695.3	668.5	641.6	614.6	587.8	560.9
110°	1120.6	1087.2	1054.0	1020.4	987.3	953.9	928.1	902.6	876.9	851.3	825.7



TEST NUMBER: P1444518  
 CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL30

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	1136.3	1119.7	1102.9	1086.4	1069.7	1053.1	1040.6	1028.1	1015.7	1003.2	990.6
115°	1055.4	1050.2	1044.9	1039.8	1034.7	1029.4	1028.5	1027.7	1026.7	1026.0	1025.1
117.5°	921.5	922.6	923.6	924.7	925.9	927.0	933.7	940.3	947.1	954.0	960.9
120°	788.5	793.1	797.6	802.4	807.0	811.8	820.7	829.7	838.7	847.9	857.1
122.5°	677.1	680.3	683.6	686.9	690.3	693.6	702.4	711.4	720.3	729.4	738.7
125°	590.7	591.0	591.3	591.5	591.9	592.2	599.6	607.0	614.4	622.0	629.5
127.5°	531.4	529.4	527.7	526.0	524.1	522.4	526.8	531.3	535.7	540.3	544.7
130°	494.2	490.9	487.5	484.4	480.9	477.8	479.6	481.4	483.3	485.2	487.0
132.5°	470.9	467.2	463.3	459.5	455.6	451.7	451.8	451.9	452.0	452.2	452.5
135°	454.3	450.7	446.9	443.3	439.5	436.0	435.2	434.3	433.4	432.7	432.1
137.5°	441.6	438.8	435.8	432.9	430.0	427.1	425.7	424.7	423.3	422.4	421.3
140°	431.5	429.3	426.9	424.7	422.4	420.1	419.0	418.1	417.1	416.3	415.3
142.5°	423.0	421.4	419.7	418.1	416.4	414.7	413.6	412.7	411.8	410.9	410.1
145°	417.9	416.9	415.9	414.7	413.6	412.7	411.8	411.1	410.3	409.8	409.3
147.5°	410.4	409.9	409.2	408.5	407.8	407.1	406.6	406.3	405.7	405.4	404.9
150°	402.9	402.4	401.7	401.2	400.5	399.9	399.7	399.5	399.2	399.2	398.8
152.5°	393.5	393.1	392.5	392.0	391.3	390.8	390.6	390.5	390.3	390.2	389.8
155°	386.6	386.3	385.9	385.6	385.1	384.9	384.6	384.2	383.9	383.5	383.1
157.5°	381.9	381.6	381.3	381.1	380.6	380.3	380.0	379.7	379.3	379.0	378.6
160°	378.6	378.4	378.1	377.8	377.5	377.2	376.6	376.1	375.5	375.1	374.7
162.5°	377.9	377.4	377.0	376.5	375.9	375.5	375.1	374.8	374.5	374.2	373.8
165°	376.9	376.6	376.3	376.0	375.7	375.4	374.9	374.5	373.9	373.4	372.9
167.5°	378.3	378.2	377.9	377.7	377.3	376.9	376.5	376.0	375.5	375.0	374.6
170°	378.6	378.2	377.9	377.4	377.0	376.5	376.0	375.5	375.0	374.7	374.2
172.5°	380.8	380.6	380.1	379.8	379.3	378.9	378.5	378.2	377.8	377.3	377.1
175°	379.7	379.7	379.6	379.3	379.3	379.1	378.9	378.9	378.7	378.6	378.4
177.5°	380.7	380.6	380.6	380.5	380.4	380.4	380.1	379.9	379.6	379.3	379.2
180°	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3



TEST NUMBER: P1444518  
 CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL30

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7
2.5°	20789.3	20784.1	20786.6	20776.8	20779.2	20767.4	20766.4	20753.1	20751.8	20739.3	20734.6
5°	21493.3	21481.6	21494.7	21474.4	21478.3	21451.9	21449.6	21415.4	21403.6	21360.8	21342.3
7.5°	22266.8	22262.5	22270.4	22253.5	22252.9	22229.2	22219.5	22188.8	22169.8	22124.8	22096.1
10°	22436.3	22440.3	22433.8	22435.5	22426.2	22423.6	22414.2	22408.2	22392.8	22381.2	22364.0
12.5°	21732.6	21736.8	21710.0	21727.0	21713.6	21745.0	21742.4	21779.4	21785.1	21831.9	21849.6
15°	20106.1	20101.1	20049.5	20082.0	20064.6	20133.5	20149.0	20241.7	20291.2	20410.3	20483.4
17.5°	17649.1	17635.8	17563.3	17602.9	17582.7	17684.3	17718.5	17866.7	17959.2	18151.0	18287.7
20°	14720.3	14694.8	14609.9	14656.2	14635.5	14750.9	14799.6	14978.8	15098.1	15352.2	15532.9
22.5°	11755.0	11714.9	11631.8	11674.9	11655.3	11775.0	11838.3	12018.1	12154.7	12415.5	12626.5
25°	9092.2	9056.4	8976.1	9006.3	8999.0	9100.2	9156.5	9326.6	9460.9	9709.3	9910.7
27.5°	6934.8	6897.6	6825.0	6846.4	6839.0	6925.2	6978.4	7120.4	7235.9	7445.1	7621.9
30°	5307.6	5262.7	5201.1	5213.0	5207.9	5277.7	5327.3	5446.9	5546.0	5722.8	5875.1
32.5°	4068.2	4023.1	3966.6	3972.1	3964.7	4019.5	4060.3	4164.3	4250.6	4400.9	4533.6
35°	3112.8	3165.5	3044.7	3121.2	3041.6	3158.5	3116.5	3181.5	3255.7	3382.3	3493.0
37.5°	2393.0	2356.3	2325.1	2321.9	2321.7	2348.8	2380.8	2443.4	2508.8	2603.1	2700.6
40°	1896.3	1870.5	1850.4	1849.0	1850.4	1869.7	1893.4	1936.6	1984.5	2052.3	2123.9
42.5°	1572.8	1555.7	1543.5	1542.8	1546.5	1560.2	1576.7	1602.4	1633.5	1677.4	1726.5
45°	1361.2	1351.7	1345.1	1344.7	1346.4	1353.5	1363.0	1379.0	1398.8	1426.1	1457.2
47.5°	1212.8	1210.6	1206.3	1206.5	1204.6	1207.5	1208.5	1217.6	1228.0	1248.7	1289.3
50°	1104.8	1104.8	1101.9	1101.7	1099.0	1098.8	1096.4	1100.0	1105.0	1117.8	1130.7
52.5°	1019.4	1019.1	1015.9	1015.3	1012.4	1012.2	1010.2	1011.6	1012.3	1018.8	1026.5
55°	952.6	950.6	946.4	945.1	944.0	945.7	944.9	945.0	944.1	946.8	949.2
57.5°	904.7	902.0	898.2	897.0	896.7	898.7	898.7	898.1	894.5	892.1	888.6
60°	866.7	864.1	860.0	858.9	859.5	862.3	862.1	859.8	854.4	849.8	844.2
62.5°	829.5	828.4	826.3	826.0	825.4	825.9	824.0	821.6	816.2	811.3	805.4
65°	779.6	780.2	778.5	778.7	776.9	776.5	773.6	771.2	765.8	761.3	755.2
67.5°	727.7	728.1	726.7	726.7	725.8	726.0	724.2	722.0	717.4	713.7	709.1
70°	684.9	686.0	685.2	685.5	684.3	683.8	681.1	678.8	674.2	671.2	666.9
72.5°	633.7	636.1	636.0	636.6	634.7	633.7	630.4	627.7	623.6	621.0	617.7
75°	578.5	581.5	582.4	583.6	581.0	579.6	576.1	573.9	570.4	569.0	566.7
77.5°	524.6	527.9	531.0	533.9	529.7	525.9	521.4	518.0	513.0	511.1	507.6
80°	464.0	469.8	476.8	482.6	475.0	467.4	459.9	454.4	447.9	445.2	440.9
82.5°	384.9	390.9	394.9	398.6	393.4	387.8	380.6	375.7	368.6	366.0	361.1
85°	292.4	299.9	302.2	304.3	300.9	297.9	291.1	282.0	277.5	270.5	266.9
87.5°	192.4	196.8	197.6	198.3	196.3	194.8	190.4	186.2	178.5	173.0	166.3
90°	99.8	101.0	97.7	97.2	96.1	97.8	94.9	95.1	90.4	89.6	85.5
92.5°	38.3	35.8	33.4	31.0	33.7	35.8	38.5	40.5	43.1	45.3	47.9
95°	52.7	49.9	47.2	44.5	46.7	48.9	51.1	53.2	55.5	57.6	59.8
97.5°	73.1	71.4	69.5	67.7	68.9	70.2	71.5	72.7	74.1	75.3	76.7
100°	93.8	92.3	90.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
102.5°	152.8	146.6	140.4	134.2	138.4	142.5	146.8	151.0	155.1	159.3	163.7
105°	292.1	275.2	258.2	241.2	257.6	274.1	290.5	307.0	323.4	340.0	356.4
107.5°	534.0	507.2	480.3	453.5	483.5	513.5	543.4	573.3	603.3	633.3	663.3
110°	800.2	774.6	749.1	723.5	755.3	787.0	818.8	850.6	882.5	914.2	946.1



TEST NUMBER: P1444518  
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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°	978.2	965.7	953.3	940.9	961.4	981.8	1002.2	1022.9	1043.3	1063.9	1084.2
115°	1024.3	1023.5	1022.9	1022.1	1031.8	1041.5	1051.1	1060.9	1070.7	1080.4	1090.1
117.5°	967.6	974.5	981.4	988.3	991.4	994.5	997.7	1000.8	1004.1	1007.3	1010.5
120°	866.4	875.5	884.8	894.1	892.8	891.6	890.3	889.0	888.0	886.8	885.8
122.5°	747.8	757.0	766.3	775.5	772.8	770.0	767.4	764.7	762.1	759.6	757.1
125°	637.3	644.9	652.7	660.5	657.8	655.0	652.4	649.8	647.1	644.6	642.3
127.5°	549.5	554.2	559.0	563.8	562.6	561.3	560.2	559.0	558.0	557.0	556.1
130°	489.2	491.3	493.6	495.7	496.1	496.4	497.0	497.5	498.3	498.9	499.6
132.5°	453.0	453.4	453.9	454.5	455.9	457.4	459.0	460.7	462.5	464.2	466.3
135°	431.6	431.1	430.6	430.3	432.5	434.6	437.0	439.2	441.9	444.4	447.1
137.5°	420.4	419.5	418.8	417.9	420.1	422.3	424.6	427.0	429.4	432.1	434.9
140°	414.5	413.8	413.3	412.7	414.9	416.9	419.3	421.6	424.1	426.6	429.3
142.5°	409.4	408.6	408.0	407.5	409.4	411.4	413.5	415.7	418.0	420.3	422.7
145°	408.7	408.1	407.7	407.3	408.7	410.1	411.7	413.3	415.1	416.6	418.6
147.5°	404.6	404.3	404.1	403.9	405.0	406.0	407.2	408.3	409.6	410.8	412.3
150°	398.8	398.6	398.6	398.6	399.3	400.0	400.7	401.4	402.3	403.1	404.1
152.5°	389.9	389.7	389.8	389.8	390.4	391.0	391.7	392.3	393.2	393.9	394.9
155°	383.0	382.8	382.5	382.3	382.5	382.8	383.1	383.3	383.8	384.1	384.5
157.5°	378.5	378.2	378.1	377.8	377.8	377.8	377.9	377.9	378.0	378.0	378.2
160°	374.3	373.7	373.3	372.9	373.1	373.2	373.4	373.5	373.8	374.1	374.3
162.5°	373.6	373.3	373.0	372.7	372.5	372.2	372.1	371.8	371.7	371.5	371.5
165°	372.4	371.9	371.6	371.0	371.0	371.0	370.9	370.9	370.8	370.8	370.9
167.5°	374.2	373.6	373.2	372.7	372.3	371.8	371.6	371.2	370.9	370.5	370.3
170°	373.9	373.4	373.0	372.6	372.4	372.2	372.1	371.9	371.8	371.8	371.8
172.5°	376.7	376.3	375.9	375.6	375.4	375.2	375.2	375.1	375.0	375.0	375.0
175°	378.3	378.2	378.2	378.0	377.7	377.5	377.3	377.1	377.0	376.7	376.5
177.5°	378.9	378.6	378.4	378.2	378.2	378.2	378.2	378.2	378.2	378.1	378.1
180°	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3



TEST NUMBER: P1444518  
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**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7
2.5°	20721.2	20715.7	20701.4	20694.3	20681.0	20674.3	20664.0	20657.3	20648.9	20642.7	20639.5
5°	21295.3	21268.8	21215.7	21183.0	21125.6	21087.9	21031.0	20989.2	20930.4	20887.0	20831.4
7.5°	22042.2	22001.6	21933.5	21882.0	21801.7	21740.4	21650.4	21578.4	21478.9	21396.3	21294.7
10°	22346.4	22322.6	22292.1	22258.9	22214.5	22170.9	22109.4	22046.7	21963.3	21880.2	21771.7
12.5°	21896.8	21919.1	21963.3	21983.8	22017.5	22028.9	22044.4	22037.1	22023.5	21989.5	21940.4
15°	20623.9	20717.2	20864.5	20966.5	21109.3	21209.6	21342.3	21427.7	21526.2	21584.9	21640.8
17.5°	18529.9	18710.3	18970.3	19177.8	19456.3	19682.8	19960.2	20178.2	20429.9	20623.0	20828.5
20°	15847.9	16100.4	16459.5	16764.3	17167.9	17510.1	17948.5	18315.8	18744.2	19101.3	19486.8
22.5°	12961.3	13258.4	13669.7	14037.5	14519.4	14949.8	15499.1	15984.8	16563.9	17082.8	17656.7
25°	10238.1	10529.3	10948.3	11329.0	11849.3	12323.5	12923.6	13480.7	14152.8	14779.5	15499.1
27.5°	7902.8	8161.5	8529.8	8872.5	9349.0	9814.5	10423.5	11017.6	11734.8	12408.3	13183.8
30°	6103.2	6313.1	6608.2	6883.9	7266.4	7647.1	8189.6	8739.0	9452.6	10150.7	10945.7
32.5°	4729.8	4908.7	5155.1	5378.9	5673.6	5960.6	6360.2	6799.2	7425.3	8093.8	8862.5
35°	3661.4	3814.5	4024.1	4217.0	4459.3	4687.2	4985.3	5298.7	5776.4	6338.8	7026.7
37.5°	2919.0	2981.5	3131.1	3289.0	3490.4	3677.7	3910.9	4142.6	4484.4	4928.1	5490.1
40°	2219.9	2319.0	2440.8	2565.2	2717.7	2867.8	3123.7	3246.9	3471.9	3790.4	4226.6
42.5°	1791.2	1860.9	1946.6	2033.1	2139.4	2243.9	2373.3	2505.1	2673.3	2889.1	3199.4
45°	1498.9	1544.3	1599.6	1657.3	1727.0	1798.4	1885.0	1975.5	2089.5	2222.2	2410.6
47.5°	1303.7	1328.8	1364.8	1404.2	1452.0	1501.5	1557.8	1615.4	1686.3	1764.9	1872.2
50°	1151.2	1172.2	1200.2	1226.5	1259.5	1310.2	1332.5	1364.4	1406.9	1453.3	1513.3
52.5°	1040.9	1054.8	1072.5	1087.6	1108.5	1127.4	1152.3	1174.2	1203.7	1231.5	1270.3
55°	955.1	960.1	970.1	979.8	994.2	1007.2	1024.3	1038.7	1057.5	1074.0	1098.5
57.5°	888.8	889.1	893.8	898.8	908.1	916.3	928.0	937.4	950.5	961.1	975.7
60°	841.0	838.5	839.4	841.2	846.4	851.7	859.3	865.4	873.6	879.5	887.8
62.5°	801.4	797.4	796.4	796.0	798.6	800.5	804.6	807.6	812.3	814.9	819.2
65°	751.3	746.6	744.8	742.5	743.3	742.7	744.3	744.4	746.7	747.3	749.8
67.5°	705.8	701.9	699.5	696.6	695.3	693.3	692.3	690.3	690.0	688.3	687.9
70°	664.4	660.5	658.6	655.9	654.5	651.7	650.0	646.6	644.6	641.5	639.8
72.5°	616.4	614.3	613.7	611.8	611.3	609.8	609.1	606.7	605.3	602.6	601.2
75°	566.3	564.5	564.3	562.5	562.4	560.5	560.1	557.5	556.3	553.6	552.4
77.5°	506.5	503.9	503.2	501.0	501.6	500.6	501.4	499.5	498.7	496.0	495.1
80°	439.3	435.9	434.6	431.8	432.5	431.2	432.5	432.4	433.3	431.2	430.8
82.5°	359.6	355.9	355.3	353.3	354.6	354.8	357.6	356.0	356.6	354.7	355.6
85°	261.7	259.0	255.1	254.6	252.1	254.6	251.3	253.6	250.0	252.5	249.1
87.5°	162.2	156.6	153.6	149.5	148.0	144.1	142.4	139.6	140.5	139.1	139.9
90°	85.8	82.4	83.8	82.2	84.3	83.3	86.2	86.2	89.4	89.3	92.8
92.5°	50.0	52.4	56.7	61.3	65.5	69.9	74.3	78.8	83.1	87.7	91.8
95°	62.0	64.2	70.0	75.8	81.7	87.6	93.5	99.3	105.2	111.0	116.8
97.5°	78.0	79.2	85.0	91.0	96.8	102.6	108.5	114.5	120.3	126.2	132.1
100°	89.4	89.5	106.1	122.8	139.3	156.0	172.7	189.3	205.9	222.6	239.2
102.5°	167.8	172.0	214.0	256.1	298.1	340.0	382.0	424.1	466.1	508.3	550.4
105°	372.9	389.4	453.5	517.6	581.6	645.8	710.0	774.2	838.2	902.4	966.6
107.5°	693.3	723.2	781.2	839.2	897.0	955.1	1013.1	1071.0	1128.9	1186.9	1245.1
110°	977.8	1009.7	1048.5	1087.2	1126.1	1164.9	1203.8	1242.7	1281.5	1320.4	1359.4



TEST NUMBER: P1444518  
 CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL30

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	1104.7	1125.3	1147.9	1170.5	1193.2	1215.8	1238.5	1261.1	1283.9	1306.6	1329.3
115°	1099.9	1109.8	1118.5	1127.4	1136.0	1144.9	1153.8	1162.8	1171.7	1180.6	1189.5
117.5°	1013.7	1017.1	1018.4	1019.8	1021.1	1022.7	1024.1	1025.7	1027.2	1028.8	1030.2
120°	884.7	883.7	882.2	880.7	879.2	877.8	876.5	875.1	873.8	872.5	871.1
122.5°	754.5	752.1	750.7	749.2	748.0	746.7	745.3	744.2	743.0	741.8	740.5
125°	639.8	637.5	638.8	639.9	641.3	642.6	643.9	645.4	646.7	648.1	649.5
127.5°	555.1	554.4	557.6	561.0	564.4	567.8	571.2	574.7	578.1	581.7	585.0
130°	500.4	501.4	505.7	509.9	514.3	518.7	523.1	527.6	531.9	536.3	540.7
132.5°	468.1	470.3	474.2	478.5	482.6	486.8	491.1	495.4	499.5	503.9	508.0
135°	449.7	452.6	456.3	460.2	464.0	467.9	471.7	475.7	479.4	483.4	487.0
137.5°	437.4	440.3	443.3	446.4	449.3	452.6	455.6	458.8	461.7	464.9	467.9
140°	432.0	434.8	436.3	438.3	440.0	441.8	443.4	445.2	446.9	448.8	450.4
142.5°	425.1	427.8	428.8	429.8	431.0	432.3	433.3	434.4	435.5	436.5	437.5
145°	420.3	422.4	422.4	422.5	422.7	422.8	422.8	422.9	422.9	423.0	423.0
147.5°	413.6	415.1	414.7	414.7	414.5	414.2	414.1	413.9	413.6	413.5	413.3
150°	405.0	406.1	405.5	405.2	404.5	404.1	403.6	403.2	402.6	402.2	401.5
152.5°	395.6	396.6	395.8	395.4	394.7	394.2	393.5	393.1	392.3	391.8	391.2
155°	384.7	385.2	384.8	384.6	384.3	383.9	383.5	383.4	383.2	382.8	382.6
157.5°	378.2	378.3	378.2	378.0	377.8	377.6	377.5	377.4	377.3	377.3	377.3
160°	374.4	374.8	374.5	374.3	374.1	373.9	373.8	373.7	373.6	373.7	373.7
162.5°	371.2	371.1	370.9	370.7	370.6	370.4	370.3	370.4	370.3	370.4	370.4
165°	371.0	371.2	370.7	370.4	370.1	369.8	369.5	369.3	369.2	369.0	368.9
167.5°	370.1	369.9	369.9	369.9	369.9	370.0	370.1	370.4	370.5	370.8	370.9
170°	371.7	371.8	371.5	371.4	371.2	371.1	371.1	370.9	370.9	370.9	370.7
172.5°	375.0	375.0	374.6	374.2	373.9	373.5	373.1	372.9	372.6	372.3	371.9
175°	376.2	376.0	375.8	375.6	375.4	375.1	375.0	374.8	374.6	374.4	374.2
177.5°	378.0	377.8	377.7	377.7	377.7	377.6	377.6	377.5	377.5	377.5	377.3
180°	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3



TEST NUMBER: P1444518  
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**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7
2.5°	20635.4	20635.1	20633.1	20634.0	20634.4	20635.8	20637.7	20639.5	20639.8	20641.4	20641.7
5°	20789.7	20738.7	20701.0	20659.4	20628.2	20600.1	20581.4	20566.5	20560.7	20562.2	20565.6
7.5°	21208.5	21103.1	21016.2	20917.3	20834.9	20747.6	20675.2	20606.5	20556.3	20519.0	20498.1
10°	21668.0	21539.7	21416.9	21273.9	21138.1	20993.3	20862.2	20730.1	20619.9	20524.2	20454.0
12.5°	21872.0	21781.3	21675.1	21540.1	21394.9	21227.8	21059.0	20878.2	20709.8	20553.7	20427.8
15°	21656.1	21656.3	21617.6	21552.7	21451.9	21318.4	21157.6	20969.0	20770.5	20568.0	20382.9
17.5°	20970.7	21100.0	21171.9	21217.4	21203.5	21154.3	21051.9	20907.1	20722.0	20506.3	20280.5
20°	19793.6	20098.7	20316.2	20511.7	20621.3	20694.1	20686.8	20627.9	20496.1	20312.7	20077.5
22.5°	18144.9	18656.9	19060.8	19437.5	19701.6	19916.6	20018.7	20062.1	20002.4	19874.6	19653.7
25°	16142.2	16838.3	17432.3	18008.8	18441.2	18812.9	19036.2	19193.5	19206.0	19139.2	18942.2
27.5°	13917.0	14738.6	15490.4	16256.6	16864.6	17398.9	17749.5	18006.0	18087.5	18076.8	17897.8
30°	11694.5	12557.1	13385.7	14279.1	15031.6	15714.2	16177.2	16524.3	16658.0	16683.6	16511.5
32.5°	9595.7	10446.2	11272.6	12206.5	13034.7	13816.9	14364.1	14776.2	14931.7	14968.3	14779.5
35°	7690.7	8475.5	9260.8	10166.1	10989.4	11799.4	12375.9	12807.4	12952.7	12977.1	12758.6
37.5°	6038.9	6707.4	7391.8	8204.1	8960.1	9720.9	10268.6	10674.2	10779.9	10773.4	10526.1
40°	4648.1	5167.9	5717.7	6386.4	7015.0	7658.1	8120.6	8455.9	8511.4	8470.3	8210.5
42.5°	3495.1	3870.5	4269.1	4768.3	5234.7	5716.0	6052.5	6301.4	6309.3	6244.3	6011.1
45°	2603.8	2970.1	3137.3	3439.0	3739.4	4059.5	4265.0	4418.8	4394.9	4337.7	4160.4
47.5°	1985.0	2125.7	2275.0	2462.2	2637.2	3000.3	2973.4	3220.3	3042.5	3163.8	2896.8
50°	1576.3	1654.9	1735.4	1834.7	1926.2	2021.1	2080.4	2124.6	2118.9	2099.9	2048.7
52.5°	1341.0	1365.3	1405.0	1461.4	1512.5	1563.8	1597.6	1625.1	1625.7	1617.9	1592.1
55°	1120.8	1151.7	1180.1	1217.1	1279.9	1289.6	1338.1	1328.2	1332.1	1318.6	1332.4
57.5°	988.2	1006.2	1022.2	1044.2	1062.3	1083.6	1096.1	1108.1	1106.9	1104.3	1091.1
60°	894.3	904.2	913.1	925.9	935.9	947.8	953.6	959.7	957.7	953.2	941.5
62.5°	821.8	828.1	833.1	841.3	847.4	854.9	857.8	860.4	857.8	853.7	843.3
65°	750.3	754.4	757.6	763.8	768.0	774.4	777.0	779.4	777.1	773.8	765.8
67.5°	685.9	686.2	685.9	688.4	689.8	693.6	694.7	696.6	693.8	691.0	684.3
70°	636.9	636.0	634.7	635.8	636.0	637.8	638.1	637.8	634.5	629.6	622.3
72.5°	598.7	598.3	597.3	598.2	598.2	599.8	599.3	598.4	594.4	589.6	582.4
75°	549.6	549.3	547.4	547.4	545.9	546.5	544.4	543.4	538.8	534.8	528.3
77.5°	492.2	491.2	488.5	487.5	484.6	483.4	479.7	477.8	473.2	470.0	464.4
80°	428.0	427.0	423.5	421.6	417.0	414.1	408.6	405.4	400.1	397.0	391.6
82.5°	353.7	354.1	350.7	348.3	341.7	336.7	329.3	325.3	319.5	316.4	310.9
85°	251.6	248.0	249.9	249.8	245.6	241.2	235.2	231.1	226.1	223.2	219.3
87.5°	138.0	138.8	137.9	137.0	134.1	131.9	127.2	124.7	121.1	119.4	116.5
90°	86.5	83.7	77.7	75.0	69.0	65.2	58.6	55.2	49.0	47.4	43.8
92.5°	86.9	81.9	77.2	72.0	67.4	62.4	57.5	52.6	47.6	45.8	44.3
95°	109.8	102.6	95.5	88.3	81.3	74.1	67.1	59.9	52.8	51.4	49.9
97.5°	123.6	115.3	106.9	98.5	90.2	81.7	73.4	65.1	56.6	55.8	54.8
100°	219.9	200.7	181.3	162.0	142.7	123.4	104.0	84.7	65.4	64.4	63.2
102.5°	503.4	456.5	409.8	362.9	316.2	269.3	222.4	175.5	128.7	121.9	115.2
105°	895.7	824.8	754.0	683.1	612.1	541.1	470.4	399.3	328.4	305.6	282.7
107.5°	1178.4	1111.7	1045.1	978.4	911.7	845.1	778.4	711.7	645.0	604.8	564.8
110°	1306.5	1253.4	1200.7	1147.7	1094.8	1041.9	988.9	936.0	883.0	848.3	814.0



TEST NUMBER: P1444518  
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**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	1290.6	1251.7	1213.0	1174.1	1135.4	1096.5	1057.8	1018.8	979.9	959.0	937.9
115°	1166.2	1142.8	1119.4	1096.0	1072.6	1049.1	1025.8	1002.2	978.7	967.6	956.4
117.5°	1018.3	1006.3	994.3	982.3	970.3	958.2	946.2	934.0	921.9	918.0	914.1
120°	867.6	863.9	860.1	856.4	852.6	848.9	845.0	841.2	837.4	837.8	838.1
122.5°	741.9	743.1	744.5	745.5	746.9	748.0	749.3	750.4	751.6	754.4	757.3
125°	652.8	656.1	659.5	662.8	666.0	669.3	672.7	675.8	679.2	682.0	684.9
127.5°	588.9	592.5	596.3	600.0	603.9	607.5	611.2	614.7	618.5	621.0	623.7
130°	544.0	547.1	550.4	553.5	556.8	559.9	563.0	566.3	569.4	571.3	573.2
132.5°	510.9	513.7	516.6	519.4	522.3	525.0	528.1	530.8	533.8	535.0	536.6
135°	489.3	491.3	493.4	495.4	497.7	499.7	501.9	504.0	506.2	507.1	508.1
137.5°	469.6	471.3	473.1	474.6	476.5	478.1	480.0	481.7	483.6	483.8	484.4
140°	452.2	454.0	455.8	457.6	459.6	461.3	463.4	465.3	467.3	467.6	468.1
142.5°	438.9	440.3	441.7	443.1	444.7	446.0	447.6	449.3	450.9	451.3	451.6
145°	424.8	426.4	428.2	429.8	431.6	433.4	435.5	437.3	439.2	439.3	439.6
147.5°	414.6	416.1	417.6	419.1	420.6	422.1	423.9	425.6	427.3	427.4	427.6
150°	403.2	404.7	406.4	407.9	409.7	411.4	413.3	415.1	417.1	417.5	417.9
152.5°	393.0	394.6	396.4	398.2	400.2	402.1	404.1	406.1	408.1	408.5	409.0
155°	384.4	386.0	387.8	389.7	391.5	393.4	395.3	397.3	399.2	399.9	400.4
157.5°	378.8	380.3	382.0	383.7	385.3	387.0	388.8	390.5	392.3	392.7	393.2
160°	375.0	376.4	377.9	379.3	380.9	382.3	383.9	385.4	387.0	387.4	387.8
162.5°	371.8	373.1	374.7	376.0	377.6	378.9	380.6	381.9	383.5	383.9	384.4
165°	369.9	371.0	372.0	373.0	374.1	375.1	376.2	377.4	378.4	378.9	379.6
167.5°	371.8	372.4	373.3	374.1	375.0	375.8	376.8	377.5	378.4	378.9	379.4
170°	371.6	372.1	372.9	373.7	374.5	375.2	376.0	376.7	377.7	378.1	378.6
172.5°	372.4	372.8	373.4	373.8	374.4	374.9	375.3	375.9	376.4	377.1	377.6
175°	374.5	374.7	375.0	375.1	375.3	375.6	375.9	376.3	376.6	377.0	377.5
177.5°	377.5	377.7	377.9	378.1	378.3	378.5	378.8	379.0	379.3	379.9	380.4
180°	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3



TEST NUMBER: P1444518  
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**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7
2.5°	20641.0	20640.7	20640.0	20639.1	20638.2	20638.8	20639.6	20642.1	20646.1	20652.1	20660.0
5°	20568.5	20572.7	20575.1	20575.4	20573.2	20571.9	20574.0	20579.6	20591.0	20610.2	20636.1
7.5°	20492.5	20497.7	20505.7	20511.7	20512.8	20511.3	20511.7	20520.6	20541.7	20579.1	20631.5
10°	20411.4	20396.0	20404.1	20418.9	20430.8	20432.9	20434.4	20444.9	20475.8	20532.3	20616.5
12.5°	20336.4	20287.7	20278.3	20291.6	20309.6	20315.4	20313.7	20318.3	20354.5	20429.2	20546.5
15°	20237.9	20146.0	20114.7	20118.1	20140.3	20148.2	20142.4	20133.5	20168.8	20260.0	20412.0
17.5°	20078.4	19930.3	19872.6	19870.0	19896.0	19902.9	19888.7	19861.0	19895.6	20009.6	20198.2
20°	19836.0	19617.3	19508.6	19491.3	19519.5	19511.3	19482.8	19441.1	19486.7	19625.1	19849.4
22.5°	19400.1	19123.0	18937.4	18877.4	18911.2	18888.7	18847.2	18793.9	18854.4	19011.7	19261.5
25°	18687.8	18367.7	18113.5	17970.8	17997.7	17957.5	17912.3	17847.6	17919.8	18100.4	18375.4
27.5°	17640.9	17271.1	16956.1	16720.0	16728.7	16675.9	16623.8	16540.2	16630.3	16844.1	17154.2
30°	16248.8	15820.9	15437.2	15116.5	15087.8	15036.6	14983.2	14873.4	14986.3	15242.1	15604.5
32.5°	14500.5	14025.4	13582.1	13176.6	13100.0	13050.0	13002.5	12876.2	13023.9	13322.3	13738.5
35°	12455.9	11949.9	11469.3	11006.1	10879.2	10829.3	10787.7	10666.7	10851.0	11175.7	11625.4
37.5°	10211.7	9694.7	9217.7	8742.6	8563.5	8495.7	8465.6	8386.2	8598.9	8920.0	9371.5
40°	7907.9	7427.2	6999.5	6579.8	6375.6	6271.9	6256.1	6241.6	6447.3	6725.9	7135.7
42.5°	5752.7	5364.8	5035.0	4714.3	4529.3	4387.6	4387.5	4430.6	4615.7	4824.3	5140.3
45°	3979.3	3719.1	3508.9	3294.6	3351.9	3069.5	3235.4	3150.3	3241.8	3376.3	3581.8
47.5°	2735.4	2593.3	2477.9	2358.1	2270.9	2187.6	2194.8	2248.5	2334.7	2414.5	2521.5
50°	1993.6	1921.3	1862.4	1800.3	1756.9	1720.1	1722.2	1745.5	1790.8	1832.9	1888.8
52.5°	1562.2	1522.2	1490.3	1455.9	1433.1	1414.9	1415.8	1427.2	1451.6	1475.7	1507.8
55°	1287.6	1282.8	1241.2	1210.4	1198.6	1186.3	1188.6	1193.0	1209.7	1223.8	1245.0
57.5°	1079.0	1060.4	1047.9	1031.7	1024.2	1015.6	1017.5	1019.2	1030.3	1039.7	1055.0
60°	931.7	918.5	909.7	898.6	893.7	888.3	889.5	890.5	897.6	903.8	914.7
62.5°	833.9	822.0	814.4	805.9	802.4	798.7	799.5	799.8	804.3	808.9	817.1
65°	758.8	749.4	743.0	735.7	732.1	728.2	728.6	728.6	732.4	735.7	741.9
67.5°	679.4	672.3	668.2	662.3	659.9	656.0	655.9	654.7	657.1	658.5	662.6
70°	615.7	608.5	603.3	597.7	594.6	591.2	591.2	591.3	594.2	597.1	602.6
72.5°	576.3	569.5	564.8	560.0	556.9	554.0	553.6	553.3	555.3	556.9	560.5
75°	524.2	518.7	516.0	511.4	509.1	505.8	505.3	503.7	504.7	505.1	507.7
77.5°	461.0	455.8	453.6	448.9	447.0	443.2	442.9	441.3	442.0	441.5	443.6
80°	388.9	384.3	383.0	379.1	378.2	374.8	374.3	372.1	372.8	371.2	371.9
82.5°	308.4	304.2	303.3	299.7	299.7	296.6	296.4	293.3	293.3	290.6	286.3
85°	217.3	214.1	212.8	209.9	209.1	206.5	205.3	202.3	201.2	199.3	198.7
87.5°	114.7	112.7	110.9	109.6	106.9	102.5	102.1	98.9	99.2	97.0	97.1
90°	42.5	39.2	38.0	34.9	33.5	31.0	29.9	30.5	31.7	32.6	33.7
92.5°	42.7	41.0	39.5	37.8	36.2	34.5	32.9	34.5	36.2	37.8	39.5
95°	48.5	47.0	45.6	44.1	42.7	41.2	39.8	41.2	42.7	44.2	45.7
97.5°	53.9	52.9	52.1	51.1	50.2	49.3	48.4	49.4	50.3	51.2	52.2
100°	62.2	61.1	59.9	58.9	57.8	56.6	55.6	56.8	58.0	59.0	60.1
102.5°	108.5	101.7	95.0	88.2	81.4	74.8	68.0	74.8	81.4	88.3	95.1
105°	260.0	237.3	214.4	191.6	168.8	145.9	123.1	146.0	168.9	191.7	214.6
107.5°	524.6	484.6	444.5	404.4	364.1	324.0	283.9	324.0	364.2	404.4	444.6
110°	779.3	744.7	710.1	675.4	640.7	606.2	571.5	606.3	640.9	675.6	710.3



TEST NUMBER: P1444518  
 CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL30

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	916.9	895.8	874.7	853.8	832.6	811.5	790.3	811.7	832.9	854.1	875.2
115°	945.5	934.2	923.2	911.9	900.8	889.6	878.3	889.8	901.2	912.4	923.8
117.5°	910.1	906.2	902.2	898.3	894.3	890.2	886.1	890.4	894.7	898.9	903.0
120°	838.4	838.8	839.1	839.4	839.7	839.9	840.1	840.3	840.3	840.3	840.2
122.5°	760.0	762.9	765.5	768.3	770.9	773.7	776.2	774.0	771.5	769.3	766.7
125°	687.8	690.7	693.5	696.3	699.0	701.8	704.3	702.2	699.9	697.4	694.9
127.5°	626.3	628.8	631.2	633.8	636.3	638.6	640.8	639.0	637.0	635.0	632.9
130°	575.2	577.2	579.0	580.8	582.5	584.2	585.7	584.6	583.3	582.2	580.7
132.5°	537.8	539.4	540.8	542.1	543.2	544.4	545.3	544.9	544.2	543.6	542.6
135°	509.1	509.9	510.6	511.6	512.3	512.9	513.3	513.4	513.2	513.0	512.6
137.5°	484.8	485.2	485.5	485.7	486.0	486.0	486.0	486.6	486.9	487.4	487.5
140°	468.4	468.9	469.3	469.6	469.8	470.0	469.9	470.6	470.8	471.2	471.4
142.5°	452.0	452.4	452.7	453.1	453.2	453.4	453.3	453.9	454.3	454.6	454.8
145°	439.8	439.9	440.1	440.2	440.1	440.1	439.7	440.7	441.2	441.8	442.2
147.5°	427.8	428.0	428.0	428.0	427.9	427.9	427.6	428.4	428.9	429.4	430.0
150°	418.4	418.9	419.3	419.7	419.8	420.0	420.0	420.5	420.8	421.1	421.2
152.5°	409.4	409.7	410.1	410.3	410.6	410.7	410.8	411.2	411.7	412.0	412.2
155°	400.8	401.4	401.8	402.3	402.6	403.0	403.3	403.6	403.8	403.9	404.1
157.5°	393.7	394.2	394.5	395.0	395.3	395.8	396.1	396.5	396.8	397.1	397.2
160°	388.2	388.8	389.1	389.6	390.0	390.4	390.7	391.0	391.3	391.5	391.8
162.5°	384.7	385.2	385.4	385.9	386.3	386.7	387.0	387.4	387.7	387.9	388.1
165°	380.1	380.7	381.2	381.7	382.3	382.8	383.3	383.5	383.5	383.6	383.7
167.5°	379.9	380.5	380.9	381.4	381.8	382.4	382.9	383.0	383.1	383.1	383.1
170°	379.0	379.5	379.9	380.4	380.9	381.4	381.7	381.7	381.7	381.8	381.8
172.5°	378.1	378.7	379.3	380.0	380.4	381.1	381.5	381.5	381.3	381.2	380.8
175°	377.9	378.4	378.9	379.5	379.8	380.4	381.0	380.6	380.5	380.3	380.0
177.5°	381.1	381.8	382.4	383.0	383.6	384.1	384.7	384.2	383.8	383.3	382.7
180°	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3



TEST NUMBER: P1444518  
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**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7
2.5°	20671.0	20681.4	20697.2	20711.6	20733.1	20750.2	20775.8	20795.2	20824.0	20842.8	20874.1
5°	20672.9	20713.3	20766.6	20818.4	20880.8	20937.4	21007.8	21067.8	21138.5	21196.3	21268.6
7.5°	20702.1	20780.1	20873.6	20967.7	21074.3	21173.9	21286.2	21387.8	21498.9	21592.9	21695.6
10°	20723.7	20843.9	20981.7	21120.4	21266.3	21401.7	21538.7	21657.0	21767.5	21858.4	21938.7
12.5°	20694.4	20860.1	21036.9	21207.6	21369.8	21510.2	21627.9	21718.8	21781.6	21824.2	21834.2
15°	20595.0	20794.5	20986.7	21156.6	21291.3	21395.2	21448.9	21474.0	21447.0	21402.1	21303.6
17.5°	20409.3	20619.7	20791.6	20925.7	20996.7	21025.0	20980.4	20903.0	20751.6	20583.6	20341.0
20°	20069.0	20265.0	20389.6	20462.8	20443.7	20373.3	20205.2	20000.9	19698.7	19376.7	18951.7
22.5°	19471.9	19643.2	19709.7	19715.1	19598.9	19422.8	19119.6	18769.1	18292.4	17796.8	17187.3
25°	18575.7	18725.7	18736.3	18677.3	18464.8	18179.2	17734.0	17238.3	16590.5	15930.1	15166.3
27.5°	17360.2	17504.2	17468.9	17358.9	17063.9	16681.7	16111.8	15471.4	14672.8	13892.8	13047.9
30°	15832.3	15986.2	15944.8	15803.7	15452.8	15001.2	14330.5	13586.4	12699.8	11866.7	11010.5
32.5°	14003.8	14198.4	14169.8	14035.7	13669.6	13186.2	12458.5	11669.3	10762.2	9941.2	9108.4
35°	11925.6	12161.8	12174.0	12086.3	11746.4	11268.6	10550.1	9786.2	8917.3	8142.7	7373.3
37.5°	9686.4	9960.2	10016.6	9992.9	9711.1	9289.3	8634.7	7949.4	7179.7	6500.8	5842.8
40°	7434.9	7712.1	7808.3	7836.9	7628.9	7302.2	6764.9	6211.9	5584.3	5034.2	4511.7
42.5°	5381.6	5627.4	5720.3	5778.7	5649.0	5431.1	5039.2	4637.6	4177.8	3781.0	3400.7
45°	3737.6	3911.4	3982.1	4041.0	3970.3	3847.5	3599.9	3348.7	3045.3	2786.0	2540.5
47.5°	2613.2	2709.0	2755.8	2784.3	2756.9	2692.8	2558.1	2412.6	2241.3	2089.7	1944.1
50°	1936.9	1988.0	2012.3	2028.8	2009.0	1973.3	1900.4	1821.1	1727.1	1641.3	1557.4
52.5°	1535.0	1564.2	1578.7	1587.7	1576.2	1554.4	1511.9	1465.0	1408.6	1355.5	1327.7
55°	1293.1	1291.6	1325.2	1309.0	1325.2	1289.0	1281.4	1229.8	1182.9	1149.9	1114.2
57.5°	1066.4	1081.6	1088.0	1095.3	1090.5	1083.9	1065.9	1047.5	1022.8	1002.1	980.1
60°	923.1	935.6	942.7	949.8	949.4	946.9	936.5	925.4	910.0	897.6	884.3
62.5°	824.4	835.2	842.2	849.0	849.7	848.6	840.8	833.1	822.5	814.8	805.6
65°	746.7	754.4	759.1	764.5	764.3	762.8	755.6	749.2	740.6	735.2	728.5
67.5°	665.5	671.2	674.9	680.0	681.1	681.4	677.4	674.5	670.2	668.7	666.3
70°	607.7	614.6	620.6	627.1	630.6	632.3	630.6	629.1	626.6	625.5	623.8
72.5°	563.9	569.8	574.4	580.3	583.6	586.0	584.7	583.9	581.7	581.4	580.2
75°	509.5	513.6	516.2	520.7	522.4	524.7	523.7	524.2	523.5	525.2	525.1
77.5°	444.3	447.3	448.4	451.6	452.0	454.7	455.3	458.4	460.7	465.6	468.2
80°	370.7	372.6	372.6	375.9	377.4	381.9	384.1	389.2	391.6	396.0	396.4
82.5°	288.0	285.7	288.0	286.6	290.8	295.9	296.6	301.0	301.9	304.8	302.5
85°	196.8	196.7	195.0	195.3	193.9	194.6	193.8	194.6	193.9	193.9	192.0
87.5°	94.3	95.2	93.1	93.8	91.8	92.7	91.0	92.3	90.3	90.6	87.5
90°	34.7	35.8	36.8	38.0	39.5	42.6	45.8	48.9	52.4	55.4	58.7
92.5°	41.0	42.8	44.4	46.1	47.7	52.7	57.6	62.5	67.6	72.3	77.3
95°	47.1	48.6	50.0	51.7	53.1	60.2	67.4	74.5	81.6	88.7	95.9
97.5°	53.1	54.1	55.0	55.9	56.9	65.4	73.7	82.1	90.6	98.9	107.2
100°	61.4	62.4	63.5	64.7	65.7	85.1	104.4	123.8	143.1	162.5	181.8
102.5°	101.9	108.7	115.5	122.3	129.1	176.0	222.9	269.7	316.6	363.5	410.3
105°	237.5	260.2	283.1	306.0	328.8	399.8	470.8	541.8	612.7	683.7	754.7
107.5°	484.8	525.0	565.3	605.4	645.6	712.4	779.1	845.8	912.6	979.4	1045.9
110°	745.1	779.7	814.5	849.1	883.8	936.8	990.0	1042.8	1095.9	1148.9	1201.8



TEST NUMBER: P1444518  
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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°	896.5	917.6	938.7	959.7	980.9	1019.8	1058.9	1097.8	1136.8	1175.5	1214.4
115°	935.1	946.3	957.5	968.7	980.0	1003.6	1027.0	1050.7	1074.2	1097.6	1121.2
117.5°	907.2	911.2	915.3	919.3	923.4	935.6	947.7	959.9	972.1	984.3	996.4
120°	840.1	839.9	839.7	839.4	839.2	843.0	847.1	850.9	854.8	858.6	862.4
122.5°	764.4	761.5	759.1	756.4	753.8	752.6	751.6	750.4	749.4	748.3	747.2
125°	692.4	689.7	687.1	684.4	681.5	678.4	675.3	672.0	668.9	665.7	662.5
127.5°	630.8	628.4	626.2	623.8	621.3	617.6	614.2	610.5	607.0	603.2	599.6
130°	579.3	577.6	576.1	574.1	572.6	569.4	566.4	563.3	560.1	557.0	553.9
132.5°	541.7	540.6	539.6	538.2	537.2	534.3	531.7	528.8	526.1	523.3	520.7
135°	512.3	511.8	511.3	510.6	509.9	507.8	505.9	503.8	501.8	499.7	497.7
137.5°	487.8	487.7	487.6	487.5	487.4	485.8	484.1	482.5	480.9	479.2	477.6
140°	471.5	471.5	471.6	471.4	471.3	469.6	467.8	466.1	464.4	462.4	460.8
142.5°	454.9	455.0	455.0	454.9	454.9	453.6	452.3	451.0	449.5	448.2	446.9
145°	442.4	442.7	443.1	443.1	443.5	441.8	440.2	438.4	436.9	435.2	433.6
147.5°	430.4	430.7	431.1	431.3	431.7	430.2	429.0	427.5	426.2	424.7	423.5
150°	421.3	421.4	421.5	421.5	421.5	420.0	418.7	417.1	415.8	414.2	412.9
152.5°	412.3	412.5	412.7	412.8	413.0	411.5	410.0	408.3	406.8	405.1	403.6
155°	404.3	404.3	404.4	404.4	404.4	403.0	401.5	400.0	398.5	397.1	395.6
157.5°	397.4	397.4	397.6	397.7	397.8	396.6	395.3	394.0	392.7	391.3	390.1
160°	392.0	392.2	392.4	392.5	392.6	391.5	390.6	389.3	388.4	387.1	385.9
162.5°	388.4	388.6	388.8	388.9	389.0	387.9	387.1	385.9	384.8	383.6	382.5
165°	383.9	383.8	383.8	383.7	383.6	382.9	382.2	381.5	380.8	380.0	379.2
167.5°	383.3	383.2	383.2	383.1	383.0	382.4	382.2	381.5	381.0	380.5	379.9
170°	381.9	381.8	381.8	381.7	381.6	381.1	380.7	380.1	379.7	379.0	378.4
172.5°	380.7	380.4	380.2	380.0	379.7	379.3	378.9	378.6	378.3	378.0	377.6
175°	379.7	379.4	379.2	378.9	378.6	378.5	378.3	378.2	378.1	378.0	377.8
177.5°	382.3	381.8	381.3	380.9	380.4	380.2	380.1	379.9	379.8	379.7	379.5
180°	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3



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**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7
2.5°	20893.6	20764.5	20747.4	20756.6	20778.1	20786.0	20809.3	20815.7	20839.1	20844.9	20867.4
5°	21324.7	21154.1	21162.6	21203.7	21265.7	21302.8	21363.7	21395.6	21453.9	21480.4	21533.0
7.5°	21779.2	21645.3	21687.1	21756.2	21841.1	21899.9	21973.2	22020.9	22084.2	22123.3	22174.0
10°	22002.4	21965.8	22011.7	22066.1	22114.6	22152.5	22183.6	22208.5	22224.8	22240.0	22246.7
12.5°	21832.6	21889.4	21897.2	21891.9	21859.9	21835.4	21780.3	21743.0	21676.5	21636.1	21557.2
15°	21202.9	21327.8	21258.6	21153.9	21000.7	20873.0	20692.7	20558.4	20370.6	20243.1	20054.7
17.5°	20097.8	20255.5	20075.3	19833.0	19524.9	19261.2	18933.0	18672.4	18346.0	18108.5	17804.0
20°	18542.1	18689.4	18368.1	17966.5	17489.8	17088.6	16615.5	16238.0	15798.4	15471.4	15076.7
22.5°	16605.1	16710.0	16257.3	15716.0	15108.6	14607.4	14041.7	13589.2	13087.4	12713.7	12292.7
25°	14462.2	14490.5	13947.4	13323.7	12646.9	12083.6	11479.6	11003.8	10492.2	10113.2	9700.3
27.5°	12299.3	12257.7	11670.7	11009.5	10297.5	9712.0	9123.0	8677.1	8229.0	7887.7	7531.8
30°	10257.8	10157.3	9547.8	8868.0	8176.9	7652.1	7163.2	6805.1	6448.7	6177.8	5892.2
32.5°	8385.8	8243.9	7650.6	7013.8	6431.4	6026.5	5663.8	5392.9	5105.1	4876.3	4636.6
35°	6727.6	6576.4	6050.9	5511.0	5070.2	4771.7	4486.7	4264.5	4020.0	3827.0	3618.9
37.5°	5304.5	5180.7	4740.4	4315.6	3982.1	3750.8	3517.3	3335.7	3133.6	3048.8	2826.3
40°	4095.1	4008.5	3664.3	3351.1	3100.7	2992.1	2755.1	2585.3	2434.3	2309.8	2189.3
42.5°	3194.2	3163.6	2828.6	2584.3	2408.1	2271.1	2139.0	2031.8	1927.4	1841.6	1760.5
45°	2344.1	2319.8	2171.1	2030.1	1910.0	1814.3	1725.1	1651.3	1583.0	1526.5	1475.0
47.5°	1825.3	1817.6	1731.9	1644.5	1568.8	1507.4	1449.4	1400.4	1355.1	1317.4	1305.1
50°	1484.6	1483.6	1433.4	1379.4	1325.5	1290.0	1252.9	1224.0	1195.0	1172.4	1148.4
52.5°	1261.5	1255.9	1222.0	1188.8	1156.8	1133.4	1109.7	1091.3	1072.0	1058.0	1043.1
55°	1086.0	1091.7	1072.1	1052.2	1032.2	1017.6	1001.1	988.9	975.6	966.8	957.9
57.5°	964.1	971.7	961.4	950.1	937.9	928.4	917.0	908.5	899.7	894.1	888.9
60°	875.5	883.7	879.5	873.9	866.4	860.7	853.5	848.7	843.1	839.9	837.0
62.5°	800.2	810.6	809.1	806.4	801.6	798.5	794.5	792.4	788.6	787.2	785.9
65°	725.2	736.8	736.6	735.3	732.6	731.7	729.3	728.8	726.8	727.6	727.5
67.5°	666.1	676.3	678.5	680.1	680.0	680.7	680.4	681.4	681.4	682.9	683.8
70°	623.6	630.6	632.3	633.9	634.4	635.8	635.8	636.7	636.5	637.6	637.8
72.5°	580.5	589.7	591.5	592.8	592.8	594.2	593.4	593.2	591.4	591.0	589.7
75°	526.9	538.8	541.4	543.1	543.4	544.4	542.9	541.9	538.8	537.6	535.4
77.5°	470.9	483.4	485.2	485.8	484.8	485.0	481.6	479.3	475.4	473.8	471.7
80°	398.1	416.4	417.8	416.6	413.7	413.3	410.1	407.8	403.2	401.6	399.8
82.5°	302.9	324.2	327.2	328.6	326.3	326.9	323.7	322.4	318.1	317.4	314.5
85°	191.3	212.6	216.1	215.6	213.3	212.7	210.9	211.6	211.2	212.2	212.9
87.5°	87.8	108.5	113.5	111.9	111.7	110.2	106.9	108.1	110.1	111.4	111.5
90°	61.9	71.3	74.4	72.1	67.9	65.4	61.3	59.0	55.4	53.1	49.5
92.5°	82.2	87.2	92.1	87.8	83.4	78.9	74.6	70.1	65.8	61.3	57.0
95°	103.0	110.0	117.0	111.2	105.3	99.4	93.6	87.8	81.9	76.0	70.2
97.5°	115.7	123.9	132.3	126.4	120.5	114.6	108.8	102.9	97.1	91.1	85.2
100°	201.2	220.1	239.5	222.9	206.1	189.6	173.0	156.2	139.6	123.0	106.3
102.5°	457.1	503.8	550.6	508.5	466.4	424.4	382.4	340.3	298.4	256.2	214.2
105°	825.4	896.2	967.0	902.7	838.5	774.4	710.2	646.1	582.0	517.8	453.7
107.5°	1112.6	1178.9	1245.4	1187.3	1129.3	1071.4	1013.4	955.4	897.3	839.4	781.4
110°	1254.8	1307.0	1359.9	1320.9	1282.0	1243.1	1204.2	1165.2	1126.3	1087.5	1048.7



TEST NUMBER: P1444518  
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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°	1253.2	1291.2	1329.8	1307.0	1284.4	1261.6	1239.0	1216.1	1193.6	1170.8	1148.3
115°	1144.5	1166.9	1190.1	1181.1	1172.2	1163.3	1154.2	1145.5	1136.5	1127.7	1118.8
117.5°	1008.5	1019.3	1031.0	1029.4	1027.9	1026.2	1024.8	1023.1	1021.8	1020.3	1018.9
120°	866.4	868.7	872.1	873.3	874.7	876.0	877.3	878.6	879.9	881.3	882.7
122.5°	745.9	743.2	741.6	742.7	744.0	745.1	746.3	747.6	748.9	750.1	751.5
125°	659.2	654.4	650.6	649.2	647.9	646.4	645.1	643.5	642.4	641.0	639.8
127.5°	596.0	590.5	586.4	583.0	579.5	576.1	572.6	569.1	565.8	562.2	559.0
130°	550.9	545.8	542.2	537.8	533.5	529.0	524.7	520.3	515.8	511.5	507.2
132.5°	517.8	513.0	509.7	505.5	501.4	497.1	493.1	488.7	484.5	480.3	476.2
135°	495.7	491.4	488.9	485.0	481.4	477.5	473.8	469.9	466.1	462.2	458.5
137.5°	476.0	471.9	469.8	466.8	463.9	460.9	457.9	454.8	451.7	448.5	445.6
140°	458.9	454.7	452.4	450.8	449.2	447.4	445.8	444.1	442.4	440.8	438.9
142.5°	445.5	441.5	439.6	438.6	437.7	436.6	435.7	434.7	433.7	432.5	431.5
145°	432.0	427.4	425.2	425.1	425.3	425.2	425.2	425.2	425.2	425.0	425.0
147.5°	422.1	417.4	415.4	415.7	416.0	416.2	416.6	416.7	417.1	417.3	417.6
150°	411.2	406.1	403.7	404.2	404.7	405.3	405.9	406.4	406.9	407.5	408.0
152.5°	401.9	395.7	393.0	393.6	394.2	394.8	395.4	396.1	396.8	397.5	398.1
155°	393.9	387.3	384.4	384.6	384.8	385.0	385.3	385.7	386.1	386.4	386.9
157.5°	388.5	381.7	379.0	378.9	379.0	379.1	379.3	379.4	379.6	379.8	380.1
160°	384.8	378.1	375.4	375.3	375.4	375.5	375.5	375.5	375.7	375.9	376.2
162.5°	381.3	374.7	372.1	372.0	372.0	371.9	372.0	372.0	372.2	372.2	372.5
165°	378.4	372.7	370.6	370.7	370.9	371.0	371.2	371.5	371.8	371.9	372.3
167.5°	379.1	374.2	372.5	372.2	372.0	371.8	371.8	371.5	371.5	371.4	371.4
170°	377.8	373.9	372.2	372.3	372.5	372.5	372.5	372.6	372.7	372.7	372.9
172.5°	377.2	374.3	373.1	373.5	373.9	374.1	374.5	374.8	375.1	375.4	375.8
175°	377.6	375.8	375.3	375.3	375.5	375.7	375.9	376.0	376.2	376.4	376.8
177.5°	379.4	378.8	378.4	378.4	378.4	378.4	378.4	378.4	378.4	378.5	378.5
180°	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3



TEST NUMBER: P1444518  
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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°	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7
2.5°	20871.6	20895.9	20894.1	20916.7	20915.7	20937.0	20932.7	20951.3	20947.0	20962.8	20953.6
5°	21556.2	21602.5	21617.8	21659.6	21668.2	21705.5	21706.3	21736.1	21732.5	21755.7	21743.3
7.5°	22203.8	22247.1	22267.5	22300.0	22316.2	22343.1	22353.6	22375.7	22381.0	22394.1	22393.7
10°	22258.5	22258.3	22268.5	22263.9	22273.0	22267.8	22278.9	22274.9	22291.2	22287.0	22299.3
12.5°	21523.0	21450.0	21423.5	21357.9	21343.6	21287.2	21291.3	21255.2	21272.6	21250.4	21288.2
15°	19942.5	19773.2	19689.5	19542.3	19496.1	19379.7	19370.3	19293.0	19313.9	19273.4	19332.6
17.5°	17606.8	17340.3	17194.0	16979.0	16893.7	16729.1	16696.1	16596.6	16612.0	16561.9	16633.3
20°	14822.1	14500.0	14315.5	14066.9	13955.9	13759.8	13707.7	13596.4	13610.4	13560.5	13641.3
22.5°	12005.5	11668.4	11460.1	11199.5	11057.9	10873.4	10818.1	10706.3	10712.6	10665.8	10743.5
25°	9417.3	9094.1	8891.9	8655.1	8532.3	8363.2	8305.0	8204.5	8210.3	8171.7	8241.3
27.5°	7285.0	7019.8	6850.6	6652.2	6542.0	6403.0	6346.3	6261.8	6261.5	6233.2	6291.5
30°	5692.8	5471.5	5319.5	5146.8	5043.4	4917.8	4863.0	4787.5	4784.2	4764.1	4810.4
32.5°	4457.3	4260.5	4122.0	3969.9	3877.0	3769.3	3717.4	3656.7	3651.2	3633.0	3671.0
35°	3465.0	3299.2	3180.1	3052.1	3061.5	2902.7	2929.0	2805.6	2772.1	2764.9	2793.1
37.5°	2678.1	2549.6	2452.8	2357.0	2292.1	2224.9	2188.7	2156.2	2152.6	2149.5	2169.2
40°	2096.2	2006.3	1935.9	1870.2	1825.5	1784.5	1761.9	1744.1	1739.8	1737.5	1749.4
42.5°	1696.5	1635.9	1590.6	1550.4	1523.3	1501.0	1488.6	1478.7	1475.4	1475.4	1482.5
45°	1433.4	1396.5	1367.4	1342.4	1325.1	1332.6	1310.2	1322.0	1306.5	1322.6	1311.9
47.5°	1262.3	1230.9	1212.8	1195.2	1184.7	1176.2	1176.5	1176.7	1180.0	1180.5	1184.0
50°	1130.3	1112.2	1099.5	1088.3	1082.9	1078.4	1079.9	1081.0	1084.3	1084.5	1087.0
52.5°	1032.5	1020.6	1013.1	1006.1	1003.7	1001.1	1002.2	1001.7	1003.2	1002.4	1004.4
55°	953.0	947.4	945.1	942.5	942.9	942.2	942.6	940.0	938.5	936.7	938.4
57.5°	887.8	887.0	888.7	889.7	892.7	893.8	894.5	891.6	888.8	886.2	887.7
60°	837.6	838.7	842.7	846.0	850.3	852.3	853.5	851.8	849.8	847.7	849.0
62.5°	787.9	789.9	794.6	798.2	803.4	806.1	809.1	809.2	810.0	809.2	810.1
65°	730.4	732.7	737.0	740.0	744.9	747.3	750.3	750.9	752.5	752.1	753.6
67.5°	686.6	688.8	692.4	695.2	699.5	702.0	704.6	704.8	705.4	705.3	706.7
70°	639.9	641.0	644.2	646.6	650.9	653.4	656.5	657.5	659.3	659.7	661.2
72.5°	590.2	589.7	591.7	592.7	596.0	598.0	601.9	604.1	607.3	608.1	609.3
75°	536.0	535.6	537.8	538.8	541.5	543.6	547.9	550.7	555.8	557.8	557.3
77.5°	473.4	474.4	478.7	481.1	484.8	487.3	493.0	497.5	506.6	510.6	506.5
80°	403.2	404.3	408.8	411.0	415.9	418.9	425.3	430.6	438.8	440.6	438.3
82.5°	317.0	317.3	321.3	323.0	329.3	333.8	341.9	346.1	351.1	350.4	349.7
85°	216.1	219.0	224.1	229.0	236.7	244.1	251.7	257.9	253.6	260.5	252.7
87.5°	115.5	115.2	122.0	120.9	131.7	137.9	144.5	147.6	151.2	150.4	150.5
90°	47.5	45.1	44.4	41.8	41.6	38.9	39.3	36.7	37.4	34.4	38.8
92.5°	52.6	50.3	47.8	45.6	43.1	40.8	38.3	36.0	33.5	31.2	33.5
95°	64.4	62.2	60.0	57.7	55.6	53.3	51.2	49.0	46.8	44.6	47.3
97.5°	79.4	78.2	76.9	75.6	74.4	73.0	71.8	70.5	69.2	68.0	69.8
100°	89.7	89.7	89.7	89.7	89.6	89.6	89.6	89.6	89.6	89.6	91.0
102.5°	172.1	167.9	163.8	159.5	155.3	151.2	147.0	142.7	138.6	134.4	140.6
105°	389.5	373.1	356.5	340.1	323.7	307.3	290.8	274.4	257.9	241.5	258.5
107.5°	723.5	693.5	663.4	633.5	603.5	573.5	543.6	513.7	483.7	453.8	480.6
110°	1009.9	978.1	946.3	914.4	882.6	850.7	819.0	787.2	755.5	723.7	749.3



TEST NUMBER: P1444518  
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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°	1125.6	1105.0	1084.4	1064.0	1043.4	1022.9	1002.5	982.1	961.7	941.2	953.6
115°	1110.0	1100.2	1090.4	1080.7	1070.9	1061.2	1051.4	1041.8	1032.1	1022.4	1023.1
117.5°	1017.5	1014.2	1010.9	1007.6	1004.4	1001.2	998.0	994.9	991.8	988.7	981.7
120°	884.3	885.3	886.2	887.3	888.5	889.7	890.7	892.0	893.2	894.5	885.2
122.5°	752.8	755.2	757.7	760.2	762.7	765.3	767.8	770.6	773.4	776.1	766.8
125°	638.4	640.7	643.1	645.6	647.9	650.6	653.1	655.9	658.6	661.4	653.5
127.5°	555.6	556.5	557.1	558.2	559.1	560.1	561.3	562.6	563.8	565.2	560.2
130°	502.8	502.0	501.1	500.4	499.5	499.0	498.5	498.0	497.5	497.2	495.1
132.5°	471.9	470.0	467.9	466.0	464.2	462.5	460.8	459.3	457.8	456.4	455.7
135°	454.6	451.8	449.1	446.5	443.9	441.5	439.0	436.8	434.6	432.5	432.8
137.5°	442.6	439.9	437.1	434.5	431.9	429.5	427.0	424.7	422.6	420.4	421.2
140°	437.3	434.5	431.9	429.3	426.8	424.3	422.0	419.7	417.4	415.5	416.0
142.5°	430.4	428.1	425.5	423.2	420.8	418.6	416.5	414.5	412.3	410.4	411.0
145°	425.0	423.1	421.3	419.6	417.9	416.3	414.5	413.2	411.7	410.4	410.7
147.5°	417.8	416.5	415.1	413.8	412.4	411.3	410.1	409.1	408.0	407.0	407.1
150°	408.6	407.7	406.9	406.0	405.2	404.4	403.7	403.0	402.3	401.6	401.5
152.5°	398.8	398.0	397.2	396.4	395.7	394.9	394.2	393.7	393.1	392.4	392.3
155°	387.3	386.9	386.5	386.3	385.9	385.7	385.3	385.3	385.0	384.8	384.9
157.5°	380.3	380.3	380.1	380.1	380.0	380.1	379.9	380.1	379.9	380.1	380.2
160°	376.6	376.3	376.0	375.9	375.7	375.4	375.3	375.2	375.1	375.0	375.3
162.5°	372.7	372.9	373.0	373.2	373.4	373.6	373.8	374.1	374.3	374.6	374.8
165°	372.7	372.6	372.5	372.4	372.4	372.5	372.4	372.5	372.5	372.6	373.0
167.5°	371.3	371.6	371.7	371.9	372.1	372.4	372.7	373.1	373.5	374.0	374.4
170°	373.0	373.0	373.0	373.0	373.0	373.1	373.2	373.3	373.4	373.6	373.9
172.5°	376.1	376.1	376.0	376.1	376.0	376.1	376.1	376.2	376.2	376.3	376.5
175°	376.8	377.2	377.4	377.6	377.8	377.9	378.1	378.2	378.4	378.6	378.6
177.5°	378.5	378.6	378.6	378.6	378.6	378.7	378.7	378.7	378.7	378.6	378.8
180°	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3



TEST NUMBER: P1444518  
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**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7
2.5°	20969.0	20958.4	20969.2	20958.3	20969.2	20956.2	20965.0	20950.9	20954.5	20939.8	20943.6
5°	21761.9	21745.1	21754.0	21732.3	21734.6	21705.5	21705.0	21671.3	21662.4	21623.9	21607.0
7.5°	22403.0	22397.5	22400.6	22386.6	22385.0	22365.2	22355.8	22327.8	22310.3	22274.9	22250.7
10°	22301.5	22317.8	22322.0	22338.7	22342.2	22358.7	22362.2	22378.6	22382.0	22394.3	22394.4
12.5°	21286.5	21341.9	21355.2	21423.8	21452.6	21531.0	21573.1	21659.6	21710.9	21797.1	21850.0
15°	19330.9	19426.9	19465.2	19599.1	19673.2	19829.4	19927.6	20107.0	20233.6	20424.3	20560.2
17.5°	16639.6	16773.8	16834.4	17015.9	17134.3	17364.9	17531.1	17804.7	18014.3	18318.4	18559.3
20°	13655.1	13804.2	13886.4	14093.5	14233.2	14502.7	14710.3	15046.5	15326.9	15712.2	16041.7
22.5°	10767.8	10909.7	11000.9	11211.6	11369.0	11650.1	11882.0	12236.9	12551.1	12985.3	13380.3
25°	8267.7	8397.7	8480.2	8670.7	8818.5	9076.8	9298.3	9639.6	9946.9	10382.5	10787.6
27.5°	6320.5	6429.5	6509.0	6671.4	6801.8	7020.8	7211.1	7493.1	7758.0	8134.8	8495.5
30°	4838.9	4935.5	5012.8	5154.3	5275.1	5465.0	5632.3	5869.3	6088.4	6388.2	6675.3
32.5°	3697.7	3780.8	3849.8	3973.6	4083.3	4254.2	4405.0	4612.7	4800.8	5055.1	5291.2
35°	2819.4	2982.9	2971.3	3142.2	3169.7	3292.3	3426.8	3608.4	3775.1	3991.2	4192.3
37.5°	2188.3	2234.3	2283.6	2359.1	2438.4	2550.1	2663.7	2885.6	2966.9	3130.3	3296.7
40°	1764.6	1795.7	1828.2	1879.3	1934.9	2013.5	2096.2	2202.1	2310.6	2443.1	2578.3
42.5°	1491.9	1509.4	1530.2	1560.1	1594.3	1644.3	1699.6	1771.4	1846.8	1940.1	2035.2
45°	1332.8	1324.5	1330.7	1346.8	1367.5	1397.7	1432.7	1477.1	1526.2	1586.6	1651.0
47.5°	1184.7	1188.1	1189.9	1198.6	1209.7	1230.1	1251.2	1281.4	1339.6	1357.4	1392.5
50°	1086.8	1088.4	1087.9	1092.4	1097.9	1111.2	1124.9	1145.3	1165.7	1192.7	1218.5
52.5°	1004.8	1007.0	1006.8	1009.7	1012.7	1021.0	1029.7	1044.2	1057.5	1074.7	1089.5
55°	939.9	943.1	944.4	946.8	948.3	952.7	956.1	963.0	968.7	978.4	987.5
57.5°	890.2	894.5	896.5	897.3	895.5	895.3	894.2	895.6	896.8	902.0	907.1
60°	850.9	854.4	854.9	854.4	851.2	848.9	845.2	844.1	843.5	846.0	848.7
62.5°	809.9	811.1	810.3	809.2	805.6	803.3	799.5	798.2	796.8	798.6	800.0
65°	753.1	754.2	753.1	752.5	749.2	747.4	744.2	743.1	741.3	741.8	741.5
67.5°	707.0	708.0	707.2	706.4	704.0	703.0	700.6	699.1	696.9	696.0	694.4
70°	661.0	661.9	660.5	659.7	657.1	656.0	653.8	653.4	651.6	651.3	649.5
72.5°	608.1	608.1	606.3	605.8	603.9	603.8	602.9	603.8	603.7	604.6	604.2
75°	554.0	553.3	550.9	550.6	549.1	549.8	548.8	550.1	550.3	552.2	552.5
77.5°	499.8	496.9	492.6	490.5	487.6	487.2	485.6	486.7	486.3	488.6	489.6
80°	431.4	427.9	422.3	419.7	416.2	415.6	414.1	415.6	414.8	417.5	419.5
82.5°	344.4	341.4	335.6	333.5	329.4	329.8	328.1	329.8	329.6	333.5	335.9
85°	254.7	252.8	246.8	241.4	235.5	232.1	228.7	228.2	227.1	228.7	230.1
87.5°	147.1	145.2	140.6	137.6	127.2	127.6	123.5	123.3	122.4	121.4	123.5
90°	39.2	43.0	43.5	47.0	47.9	51.9	52.9	56.8	57.7	61.9	63.2
92.5°	36.0	38.3	40.7	43.1	45.5	47.8	50.2	52.6	57.7	62.6	67.9
95°	50.0	52.8	55.6	58.3	61.0	63.8	66.5	69.2	76.7	84.2	91.6
97.5°	71.7	73.4	75.2	77.1	78.9	80.7	82.5	84.4	92.4	100.5	108.5
100°	92.5	94.0	95.4	97.0	98.4	99.9	101.3	102.8	118.4	133.9	149.4
102.5°	146.8	153.0	159.2	165.4	171.6	177.8	184.0	190.2	225.9	261.5	297.1
105°	275.5	292.4	309.4	326.5	343.4	360.4	377.5	394.4	451.5	508.5	565.6
107.5°	507.5	534.3	561.1	588.1	614.9	641.8	668.7	695.6	751.2	806.8	862.4
110°	774.8	800.5	826.0	851.7	877.2	902.9	928.4	954.2	987.6	1020.8	1054.3



TEST NUMBER: P1444518  
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**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	966.0	978.4	991.0	1003.5	1016.0	1028.5	1041.0	1053.6	1070.2	1086.8	1103.4
115°	1023.9	1024.7	1025.5	1026.3	1027.2	1028.0	1029.1	1029.9	1035.2	1040.4	1045.5
117.5°	975.0	968.1	961.3	954.4	947.7	941.0	934.3	927.7	926.6	925.4	924.4
120°	876.1	866.9	857.7	848.5	839.5	830.4	821.5	812.5	807.9	803.3	798.7
122.5°	757.7	748.5	739.4	730.2	721.3	712.3	703.5	694.6	691.4	688.0	684.8
125°	645.9	638.2	630.6	623.1	615.6	608.2	601.0	593.6	593.4	592.9	592.8
127.5°	555.5	550.8	546.2	541.7	537.3	532.8	528.4	524.1	525.9	527.8	529.6
130°	492.9	490.8	488.9	486.8	485.1	483.4	481.5	479.9	483.2	486.5	489.8
132.5°	455.4	454.9	454.8	454.4	454.4	454.2	454.3	454.1	458.0	461.7	465.6
135°	433.3	433.8	434.6	435.1	435.9	436.7	437.7	438.5	442.2	445.7	449.5
137.5°	422.1	422.9	423.9	424.9	426.1	427.3	428.6	429.7	432.6	435.5	438.4
140°	416.7	417.2	418.1	419.0	419.9	420.7	421.9	422.9	425.3	427.4	429.7
142.5°	411.8	412.3	413.1	413.9	414.9	415.6	416.6	417.4	419.2	420.8	422.6
145°	411.2	411.6	412.3	412.7	413.3	414.0	414.7	415.4	416.5	417.4	418.5
147.5°	407.4	407.7	408.1	408.4	408.9	409.3	409.7	410.1	410.8	411.4	412.0
150°	401.6	401.6	401.8	401.9	402.2	402.4	402.6	402.8	403.4	403.8	404.5
152.5°	392.5	392.5	392.6	392.7	392.9	393.0	393.1	393.3	393.9	394.3	394.9
155°	385.1	385.4	385.7	386.0	386.4	386.5	386.9	387.2	387.6	387.8	388.2
157.5°	380.5	380.7	381.1	381.2	381.5	381.8	382.1	382.3	382.7	383.0	383.3
160°	375.8	376.3	376.7	377.1	377.7	378.1	378.5	379.0	379.3	379.6	379.9
162.5°	375.1	375.4	375.7	375.9	376.2	376.6	376.8	377.1	377.7	378.1	378.6
165°	373.6	374.0	374.6	374.9	375.4	375.9	376.3	376.8	377.1	377.4	377.6
167.5°	374.9	375.1	375.7	376.1	376.6	377.0	377.5	378.0	378.2	378.3	378.7
170°	374.3	374.8	375.1	375.4	375.9	376.2	376.7	377.1	377.6	378.0	378.4
172.5°	376.8	377.2	377.6	377.7	378.1	378.4	378.8	379.1	379.5	379.9	380.2
175°	378.6	378.6	378.7	378.8	378.9	378.9	378.9	379.1	379.2	379.3	379.3
177.5°	379.0	379.2	379.4	379.5	379.7	379.9	380.1	380.3	380.3	380.3	380.3
180°	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3



TEST NUMBER: P1444518  
 CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL30

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7
2.5°	20929.0	20929.8	20913.0	20912.0	20896.2	20894.2	20878.8	20874.1	20861.6	20857.1	20844.3
5°	21563.9	21543.3	21495.8	21467.9	21420.9	21389.8	21339.0	21305.9	21256.8	21219.8	21170.5
7.5°	22206.0	22174.1	22120.8	22077.6	22012.4	21960.4	21884.1	21821.7	21739.1	21667.6	21580.9
10°	22394.4	22389.5	22375.9	22356.1	22325.8	22291.8	22239.9	22185.8	22113.4	22034.8	21938.3
12.5°	21931.0	21981.0	22049.3	22089.7	22139.0	22160.5	22180.6	22175.6	22162.3	22122.6	22066.8
15°	20757.0	20897.6	21083.9	21228.2	21394.2	21514.8	21648.1	21731.1	21813.9	21852.1	21875.6
17.5°	18889.6	19155.8	19489.8	19766.4	20085.7	20342.1	20623.1	20834.7	21052.3	21208.2	21349.2
20°	16490.8	16876.6	17348.8	17766.0	18251.1	18672.6	19134.5	19513.7	19904.8	20210.5	20499.9
22.5°	13889.0	14347.2	14918.0	15446.8	16072.1	16634.1	17268.2	17820.1	18396.2	18877.6	19343.1
25°	11330.5	11833.0	12457.2	13047.2	13755.4	14409.0	15161.1	15848.8	16593.5	17240.1	17878.8
27.5°	8994.3	9487.5	10124.9	10752.9	11501.7	12198.3	13004.0	13761.7	14609.8	15391.7	16191.6
30°	7074.1	7492.4	8063.8	8672.2	9410.8	10119.6	10934.0	11713.4	12595.5	13449.3	14350.3
32.5°	5604.6	5923.3	6372.5	6886.9	7568.5	8243.1	9018.6	9771.0	10639.6	11502.1	12439.3
35°	4451.0	4699.7	5042.2	5443.6	6020.7	6602.3	7288.2	7972.4	8782.9	9601.3	10512.1
37.5°	3509.9	3711.6	3979.9	4281.5	4744.4	5221.6	5784.1	6351.3	7055.4	7780.9	8606.4
40°	2740.8	2904.2	3113.0	3337.9	3687.5	4055.2	4490.2	4930.0	5495.8	6088.7	6771.9
42.5°	2153.1	2273.7	2421.1	2585.5	2911.6	3106.9	3401.8	3719.9	4135.9	4566.3	5079.9
45°	1729.1	1811.3	1913.6	2023.9	2175.2	2340.9	2542.9	2754.7	3149.8	3343.6	3656.1
47.5°	1444.1	1499.2	1564.3	1633.7	1723.0	1819.3	1939.1	2061.6	2220.0	2384.2	2576.8
50°	1252.0	1308.1	1330.4	1366.4	1418.1	1473.1	1540.6	1608.2	1693.2	1779.3	1878.3
52.5°	1109.4	1127.8	1152.1	1174.9	1207.0	1269.5	1289.8	1325.2	1372.8	1419.4	1471.4
55°	1000.6	1012.5	1028.4	1042.1	1061.4	1080.0	1106.7	1130.2	1162.0	1190.0	1224.6
57.5°	915.9	923.5	934.4	943.5	956.0	966.5	982.1	994.8	1013.2	1029.1	1050.0
60°	854.3	859.4	866.7	872.7	880.7	886.1	893.9	899.8	909.5	917.6	929.3
62.5°	804.1	806.6	811.5	815.0	820.0	822.8	826.9	829.5	834.8	838.9	845.4
65°	743.7	744.4	747.6	749.0	753.0	754.5	757.9	759.1	763.5	766.5	772.2
67.5°	694.3	692.9	693.0	691.8	692.4	691.2	691.5	690.3	692.1	693.0	697.4
70°	649.2	647.2	646.6	644.6	643.9	641.8	641.2	639.3	639.1	638.4	639.9
72.5°	605.2	604.7	604.8	603.4	603.2	601.7	601.8	600.9	601.9	602.3	604.4
75°	554.6	554.8	555.8	554.4	554.8	553.7	554.0	553.0	553.6	553.3	555.3
77.5°	493.1	494.5	497.2	496.6	497.5	496.2	496.7	495.1	495.6	494.5	495.3
80°	423.8	426.9	430.5	430.3	431.9	430.9	432.3	430.7	431.4	429.5	429.1
82.5°	341.6	344.2	348.1	348.2	351.6	352.3	355.9	355.9	358.2	356.6	355.6
85°	233.6	235.3	238.7	240.6	244.0	246.2	249.8	251.2	248.6	253.4	249.6
87.5°	122.0	126.5	123.9	129.8	128.5	134.5	133.1	138.7	137.6	142.3	141.8
90°	68.2	69.9	75.0	77.0	82.8	85.2	86.1	83.2	83.9	81.1	81.7
92.5°	72.8	78.2	83.3	88.3	93.5	98.7	93.9	89.1	84.4	79.7	74.9
95°	99.1	106.7	114.1	121.6	129.1	136.5	128.5	120.5	112.6	104.5	96.5
97.5°	116.5	124.5	132.5	140.6	148.7	156.8	147.3	137.8	128.3	118.9	109.5
100°	164.9	180.5	196.1	211.6	227.2	242.7	225.0	207.4	189.7	171.9	154.3
102.5°	332.9	368.5	404.1	439.7	475.3	511.0	473.5	436.0	398.5	360.9	323.3
105°	622.5	679.6	736.6	793.6	850.7	907.9	847.0	786.1	725.2	664.4	603.4
107.5°	918.0	973.6	1029.3	1084.8	1140.6	1196.2	1134.6	1072.8	1011.0	949.3	887.5
110°	1087.7	1121.1	1154.5	1188.1	1221.3	1254.9	1209.8	1164.7	1119.6	1074.4	1029.4



TEST NUMBER: P1444518  
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**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	1120.2	1136.9	1153.6	1170.3	1187.0	1203.8	1171.5	1139.3	1107.0	1074.8	1042.3
115°	1050.9	1056.1	1061.4	1066.7	1071.9	1077.2	1055.4	1033.6	1011.9	990.2	968.2
117.5°	923.4	922.4	921.2	920.5	919.3	918.3	906.1	893.8	881.6	869.3	857.0
120°	794.0	789.6	784.9	780.4	775.8	771.0	765.9	760.7	755.3	750.1	744.7
122.5°	681.5	678.4	675.1	671.9	668.6	665.3	663.2	661.2	659.0	656.8	654.6
125°	592.4	592.2	591.9	591.7	591.3	591.0	589.8	588.7	587.5	586.4	585.3
127.5°	531.3	533.2	534.8	536.6	538.3	540.1	539.7	539.3	538.9	538.5	538.0
130°	493.0	496.3	499.5	502.7	505.9	509.1	508.3	507.7	506.9	506.2	505.4
132.5°	469.4	473.2	477.0	480.8	484.4	488.2	487.2	486.5	485.4	484.6	483.7
135°	453.0	456.7	460.2	463.9	467.3	470.8	469.6	468.6	467.5	466.5	465.3
137.5°	441.2	444.1	446.8	449.7	452.3	455.1	454.0	452.9	451.7	450.8	449.6
140°	431.9	434.0	436.1	438.5	440.5	442.7	441.4	440.0	438.8	437.4	435.9
142.5°	424.1	425.9	427.3	429.0	430.5	432.2	430.2	428.5	426.7	425.0	423.2
145°	419.6	420.6	421.5	422.6	423.3	424.4	422.4	420.4	418.3	416.4	414.3
147.5°	412.6	413.2	413.5	414.2	414.6	415.3	413.3	411.4	409.5	407.5	405.6
150°	404.9	405.5	405.9	406.4	406.9	407.4	405.3	403.4	401.3	399.4	397.4
152.5°	395.4	395.8	396.2	396.7	397.1	397.5	395.5	394.0	391.9	390.0	388.2
155°	388.3	388.7	388.9	389.2	389.3	389.5	387.8	386.5	384.8	383.3	381.6
157.5°	383.5	383.8	384.1	384.2	384.4	384.6	383.4	382.3	381.0	379.8	378.5
160°	380.1	380.4	380.6	380.8	381.0	381.1	380.1	379.2	378.2	377.1	376.0
162.5°	378.9	379.3	379.7	380.1	380.5	380.9	379.6	378.5	377.4	376.1	374.8
165°	377.9	378.1	378.2	378.5	378.5	378.8	378.1	377.2	376.3	375.5	374.7
167.5°	378.8	379.1	379.3	379.5	379.6	379.8	379.0	378.2	377.4	376.5	375.6
170°	378.7	378.9	379.4	379.7	380.0	380.3	379.6	379.0	378.2	377.7	376.9
172.5°	380.6	380.8	381.0	381.4	381.5	381.9	381.2	380.5	379.8	379.1	378.3
175°	379.3	379.4	379.6	379.6	379.6	379.7	379.1	378.6	378.1	377.5	377.0
177.5°	380.3	380.3	380.3	380.2	380.2	380.2	379.8	379.4	379.1	378.7	378.2
180°	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3



TEST NUMBER: P1444518  
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**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7	20709.7
2.5°	20839.9	20830.7	20824.9	20817.5	20812.9	20807.2	20803.0	20799.3	20796.4	20793.8	20791.8
5°	21132.9	21086.2	21050.1	21011.0	20978.8	20946.7	20922.0	20901.5	20887.4	20876.8	20870.5
7.5°	21506.0	21420.7	21344.8	21265.0	21193.5	21123.1	21062.5	21010.2	20970.9	20945.5	20930.1
10°	21839.1	21725.0	21612.1	21493.3	21380.6	21271.3	21170.5	21081.8	21011.5	20964.8	20937.6
12.5°	21988.5	21891.2	21775.9	21647.0	21508.9	21369.2	21233.0	21110.2	21007.1	20938.0	20898.0
15°	21856.9	21817.0	21738.8	21638.6	21507.6	21363.2	21203.3	21053.1	20914.8	20825.1	20773.1
17.5°	21429.0	21484.7	21478.7	21440.4	21346.3	21224.7	21061.8	20893.0	20720.1	20600.3	20534.8
20°	20706.9	20882.1	20970.9	21016.6	20979.6	20900.7	20753.3	20581.9	20380.4	20224.0	20128.4
22.5°	19692.2	20001.4	20194.2	20335.2	20365.1	20338.3	20208.0	20045.1	19820.4	19632.3	19491.3
25°	18385.8	18838.9	19143.5	19382.3	19475.0	19499.0	19388.1	19226.1	18975.7	18756.6	18562.9
27.5°	16847.2	17435.9	17842.6	18163.4	18308.2	18371.0	18269.0	18103.7	17807.4	17545.9	17292.9
30°	15115.0	15813.4	16303.0	16687.7	16864.2	16947.2	16838.8	16654.3	16309.6	15994.9	15676.2
32.5°	13260.9	14025.3	14558.8	14976.6	15151.5	15229.5	15087.8	14880.5	14482.0	14111.3	13739.6
35°	11319.8	12091.3	12629.3	13035.9	13182.5	13229.6	13048.3	12808.7	12367.2	11960.4	11555.2
37.5°	9339.1	10056.8	10545.8	10910.7	11001.5	11009.7	10791.2	10526.6	10062.6	9661.4	9258.0
40°	7375.5	7980.8	8375.7	8667.7	8699.2	8671.1	8433.7	8167.4	7733.3	7373.9	7019.8
42.5°	5526.0	5982.8	6264.5	6464.7	6452.8	6397.4	6179.6	5950.8	5592.6	5318.9	5040.1
45°	3941.4	4242.7	4407.4	4524.5	4486.9	4434.0	4264.5	4104.1	3860.7	3683.9	3496.6
47.5°	2738.1	3097.9	3035.3	3264.3	3067.0	3197.3	2925.9	2776.3	2647.2	2553.2	2447.3
50°	1960.3	2042.7	2082.6	2109.7	2095.3	2075.3	2026.5	1982.9	1923.9	1880.9	1830.7
52.5°	1513.9	1555.1	1577.7	1594.0	1590.8	1583.5	1562.3	1542.8	1515.1	1497.0	1475.0
55°	1282.3	1282.9	1324.4	1306.7	1332.9	1302.1	1314.2	1280.1	1285.6	1256.2	1236.6
57.5°	1065.5	1082.5	1090.0	1097.4	1095.4	1094.0	1085.8	1081.7	1072.4	1069.6	1063.0
60°	937.3	946.2	948.0	951.4	948.5	947.4	941.0	938.7	932.5	931.3	927.0
62.5°	849.4	853.8	853.8	853.8	850.2	846.7	839.5	835.7	830.5	829.3	826.8
65°	776.0	780.6	781.4	782.4	779.8	777.0	770.7	766.6	761.2	759.1	756.2
67.5°	700.3	705.2	706.9	709.5	707.9	707.3	703.1	701.4	697.8	697.0	694.3
70°	640.7	642.8	642.7	642.6	639.2	636.2	631.2	628.8	625.1	624.3	621.8
72.5°	605.3	606.8	605.9	604.6	600.2	595.7	589.9	585.7	580.7	577.6	574.2
75°	555.5	557.4	556.3	555.4	551.4	548.5	543.9	541.5	538.0	537.1	534.6
77.5°	494.4	495.3	493.2	493.1	490.0	488.2	484.7	484.0	481.5	481.6	479.3
80°	426.2	425.8	422.6	421.9	418.9	418.1	415.4	415.6	413.5	414.4	412.8
82.5°	350.7	348.9	344.6	343.4	339.9	339.7	337.8	339.4	338.1	339.9	338.9
85°	251.3	251.9	250.1	250.1	249.1	249.4	249.2	250.4	250.5	252.2	252.1
87.5°	140.1	142.1	141.8	143.6	143.5	145.6	146.3	149.3	149.7	152.6	152.6
90°	79.0	79.9	77.1	78.2	76.9	79.1	78.3	80.6	79.3	81.2	79.3
92.5°	70.1	65.4	60.7	55.9	53.5	50.9	49.0	46.2	44.0	41.4	39.1
95°	88.4	80.5	72.4	64.4	61.7	58.9	56.0	53.3	50.6	47.9	45.1
97.5°	100.0	90.5	81.0	71.5	69.0	66.7	64.2	61.9	59.4	57.1	54.7
100°	136.5	118.8	101.2	83.4	81.4	79.4	77.4	75.3	73.4	71.4	69.3
102.5°	285.7	248.2	210.6	173.0	165.9	158.7	151.6	144.4	137.3	130.1	123.0
105°	542.5	481.6	420.6	359.6	340.2	320.9	301.6	282.3	262.9	243.6	224.2
107.5°	825.7	763.8	701.9	640.0	604.4	568.6	532.8	496.9	461.2	425.4	389.6
110°	984.4	939.1	893.9	848.6	820.0	791.1	762.3	733.4	704.7	675.7	646.9



TEST NUMBER: P1444518  
 CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL30

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1010.1	977.8	945.4	912.9	899.9	886.8	873.7	860.6	847.5	834.4	821.3
115°	946.3	924.5	902.6	880.5	876.1	871.4	866.7	862.0	857.4	852.7	847.9
117.5°	844.7	832.4	820.0	807.6	808.4	809.0	809.8	810.4	811.0	811.5	812.2
120°	739.3	734.0	728.7	723.3	727.3	731.1	735.1	738.7	742.5	746.1	749.9
122.5°	652.5	650.2	648.1	645.8	650.5	655.3	659.9	664.5	669.0	673.4	678.0
125°	584.1	582.8	581.7	580.3	585.2	589.8	594.5	599.0	603.7	608.0	612.5
127.5°	537.7	537.3	536.8	536.3	539.8	542.9	546.3	549.4	552.6	555.5	558.5
130°	504.7	503.9	503.2	502.5	505.4	508.4	511.4	514.1	517.0	519.5	522.1
132.5°	482.9	481.9	481.0	480.1	482.3	484.2	486.4	488.2	490.0	491.7	493.4
135°	464.4	463.1	462.1	460.9	462.9	464.8	466.7	468.3	470.2	471.6	473.2
137.5°	448.5	447.4	446.2	445.1	446.8	448.4	450.2	451.7	453.2	454.7	456.0
140°	434.8	433.4	432.2	430.7	432.3	433.7	435.3	436.5	437.9	438.9	440.2
142.5°	421.5	419.6	418.0	416.1	417.2	418.2	419.4	420.2	421.2	422.0	422.8
145°	412.3	410.2	408.2	406.3	407.1	407.8	408.7	409.6	410.1	410.6	411.3
147.5°	403.7	401.7	399.8	397.7	398.5	399.1	399.5	400.0	400.6	401.0	401.3
150°	395.4	393.3	391.3	389.2	389.8	390.3	390.7	391.1	391.6	391.9	392.2
152.5°	386.2	384.3	382.4	380.4	380.9	381.3	381.5	381.8	382.2	382.5	382.7
155°	380.1	378.4	376.8	375.0	375.5	375.8	376.0	376.4	376.6	376.8	377.0
157.5°	377.3	375.8	374.7	373.3	373.4	373.5	373.6	373.5	373.5	373.5	373.5
160°	375.0	373.8	372.7	371.6	371.6	371.7	371.8	371.7	371.6	371.5	371.5
162.5°	373.5	372.2	371.0	369.6	369.6	369.8	369.8	369.7	369.6	369.5	369.5
165°	373.8	372.8	371.8	370.8	370.7	370.6	370.5	370.2	370.0	369.7	369.5
167.5°	374.7	373.8	372.7	371.7	371.8	371.9	371.9	371.9	371.8	371.8	371.8
170°	376.2	375.3	374.7	373.8	373.7	373.6	373.5	373.3	373.1	372.9	372.7
172.5°	377.6	376.8	376.1	375.1	375.1	375.0	375.0	374.9	374.6	374.5	374.4
175°	376.3	375.7	375.0	374.5	374.4	374.4	374.3	374.2	374.0	374.0	373.8
177.5°	377.9	377.6	377.1	376.7	376.6	376.6	376.5	376.4	376.4	376.4	376.3
180°	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3



TEST NUMBER: P1444518  
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**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	20709.7	20709.7
2.5°	20789.9	20788.9
5°	20867.2	20865.9
7.5°	20926.0	20925.7
10°	20932.9	20936.5
12.5°	20891.1	20894.1
15°	20769.2	20774.9
17.5°	20536.0	20543.4
20°	20134.3	20142.0
22.5°	19483.7	19486.9
25°	18537.9	18524.5
27.5°	17248.5	17225.4
30°	15609.2	15586.9
32.5°	13654.9	13640.9
35°	11455.0	11446.2
37.5°	9138.8	9120.8
40°	6890.2	6837.9
42.5°	4918.1	4826.2
45°	3398.8	3289.9
47.5°	2372.8	2305.5
50°	1798.5	1776.7
52.5°	1465.5	1460.3
55°	1236.5	1234.2
57.5°	1064.4	1063.7
60°	929.3	929.0
62.5°	828.4	828.8
65°	757.5	757.7
67.5°	695.0	694.5
70°	622.8	622.2
72.5°	573.0	572.2
75°	534.6	534.2
77.5°	480.1	479.2
80°	413.8	412.8
82.5°	340.4	339.2
85°	253.9	253.9
87.5°	155.3	155.2
90°	81.0	78.8
92.5°	36.8	34.7
95°	42.4	39.7
97.5°	52.4	49.9
100°	67.4	65.4
102.5°	115.9	108.8
105°	204.9	185.5
107.5°	353.8	318.0
110°	618.0	589.2



TEST NUMBER: P1444518  
CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL30

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	808.1	794.9
115°	843.0	838.2
117.5°	812.5	813.1
120°	753.3	757.0
122.5°	682.1	686.4
125°	616.7	621.0
127.5°	561.3	564.0
130°	524.4	526.9
132.5°	494.9	496.3
135°	474.4	475.7
137.5°	457.0	458.1
140°	441.1	442.0
142.5°	423.3	424.0
145°	411.7	412.2
147.5°	401.3	401.7
150°	392.4	392.6
152.5°	382.8	383.1
155°	377.1	377.2
157.5°	373.3	373.2
160°	371.3	371.2
162.5°	369.3	369.2
165°	369.1	368.8
167.5°	371.6	371.7
170°	372.4	372.3
172.5°	374.2	374.0
175°	373.7	373.7
177.5°	376.3	376.1
180°	378.3	378.3

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  
 R<sub>f</sub>: 80.1  
 R<sub>g</sub>: 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

REPORT NUMBER: SP1-2506-472-3

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: SP1-2506-472-3

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

REPORT NUMBER: SP1-2506-472-3

**Photopic Flux vs. Wavelength**



**Photopic Lumens: NR**

λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /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			

REPORT NUMBER: SP1-2506-472-3

**Scotopic Flux vs. Wavelength**



**Scotopic Lumens: NR**

**S/P: 1.43**

$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /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			

REPORT NUMBER: SP1-2506-472-3

**Melanopic Flux vs. Wavelength**



**Melanopic Lumens: NR**

**M/P: 2.75**

λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /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**

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

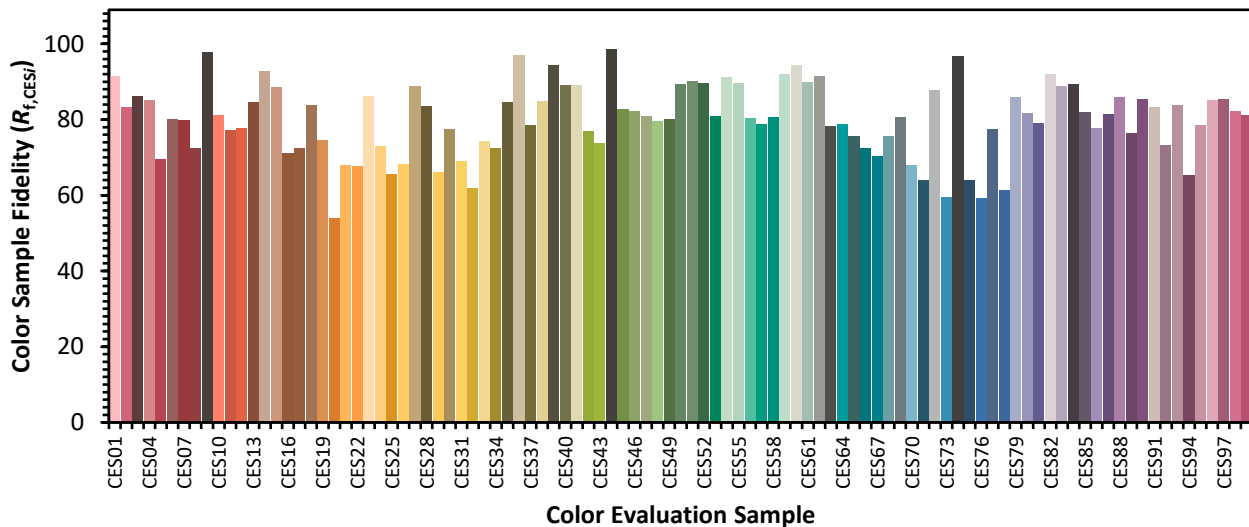


**Color Vector Graphics**

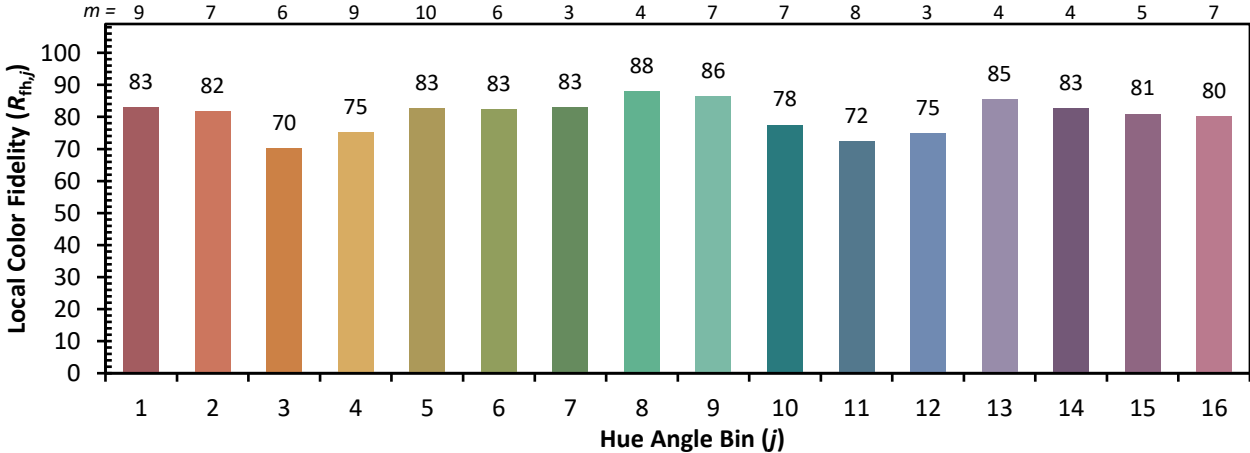


**Individual Sample Fidelity Index ( $R_{f,i}$ )**

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)