

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: P1444517

Luminaire Tested: EHBR1-24-UNV-TA-L835-UPL24

Issue Date: 5/1/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1444517  
REPORT IS A COMBINATION OF REPORTS P1444329 AND P1431635  
Test Lab: INNOVATION CENTER  
Issue Date: 5/1/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: EHBR1-24-UNV-TA-L835-UPL24  
Description: Elevate Round Highbay at, 24000 lumens, 3500K 80CRI LEDs with TA lens  
Light Source: -  
Ballast/Driver: -

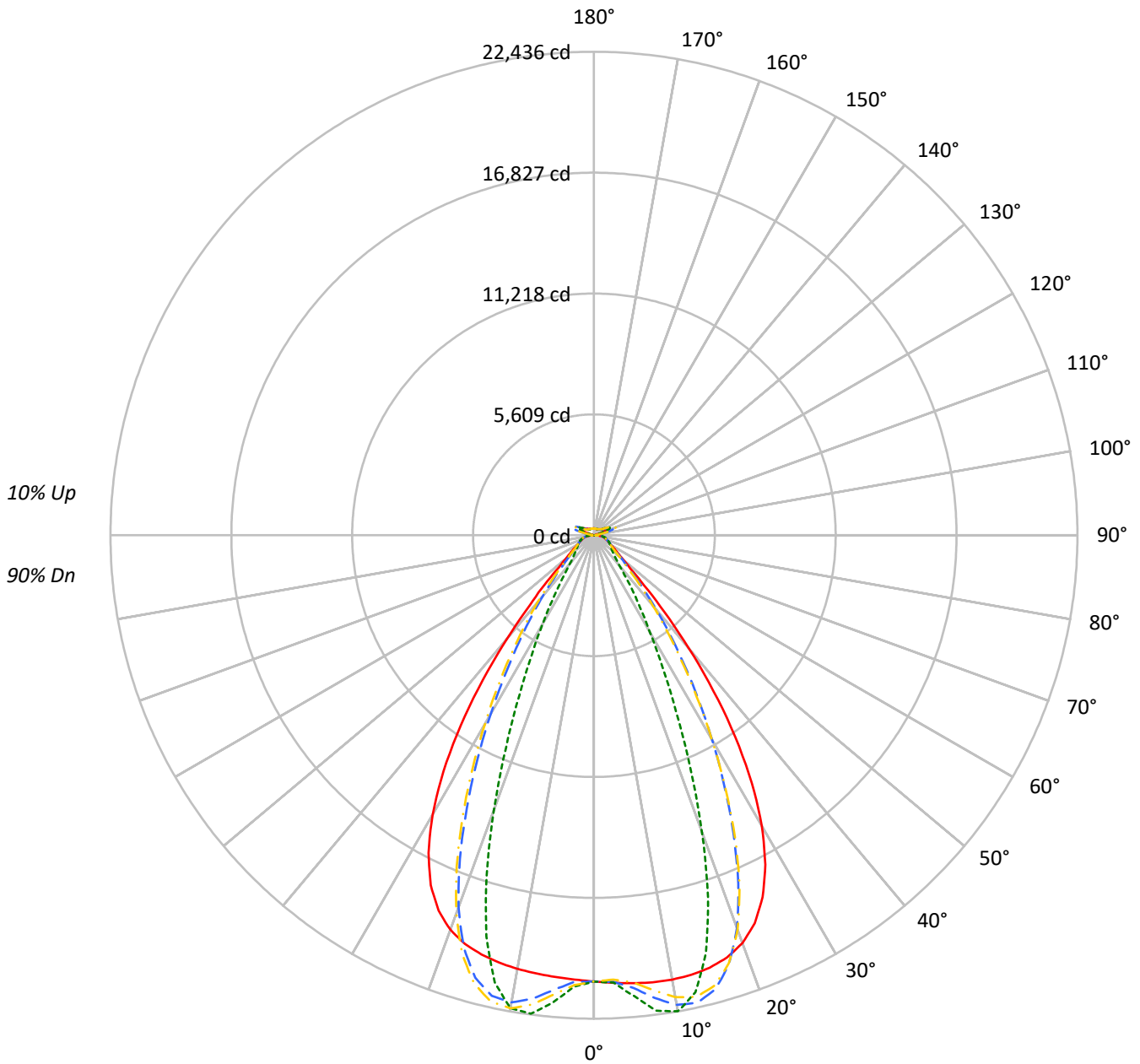
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26335.9 lumens  
Efficiency: N/A  
Efficacy: 181.9 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 0.77 / 0.88  
Luminous Opening: Vertical Cylinder (Dia: 1.71' x H: 0.1')  
CIE Type: Direct

Input Watts (W): 144.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P1444517  
CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL24

### Luminous Intensity Polar Plot



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



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

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

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

	0°	90°	180°	270°
0°	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	7.7
10°-20°	5741.5	21.8
20°-30°	6539.1	24.8
30°-40°	4700.0	17.8
40°-50°	2167.6	8.2
50°-60°	1037.3	3.9
60°-70°	756.9	2.9
70°-80°	575.0	2.2
80°-90°	265.7	1.0
90°-100°	70.6	0.3
100°-110°	417.3	1.6
110°-120°	771.2	2.9
120°-130°	468.8	1.8
130°-140°	297.4	1.1
140°-150°	217.4	0.8
150°-160°	149.5	0.6
160°-170°	89.1	0.3
170°-180°	30.3	0.1
0°-30°	14321.6	54.4
0°-40°	19021.7	72.2
0°-60°	22226.6	84.4
0°-90°	23824.2	90.5
90°-120°	1259.1	4.8
90°-150°	2242.7	8.5
90°-180°	2512.0	9.5
0°-180°	26335.9	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°	75	93	26	30	75	46
95°	32	36	32	36	32	31
105°	149	193	100	194	149	198
115°	672	817	704	817	672	620
125°	501	529	567	530	501	456
135°	388	348	418	350	388	303
145°	340	333	362	336	340	215
155°	314	317	335	319	314	146
165°	310	310	322	312	310	88
175°	315	318	321	319	315	30
180°	319	319	319	319	319	



TEST NUMBER: P1444517  
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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°	74.6	78.7	80.5	85.2	87.0	91.2	92.7	97.5	99.3	104.2	107.0
92.5°	28.4	30.3	32.1	34.2	36.1	38.5	40.5	42.7	44.6	46.9	50.7
95°	32.3	34.5	36.7	38.9	41.0	43.2	45.4	47.6	49.7	52.0	58.4
97.5°	40.6	42.6	44.4	46.3	48.2	50.1	52.0	53.9	55.8	57.6	65.2
100°	53.0	54.7	56.2	57.9	59.4	61.1	62.6	64.3	65.8	67.5	81.5
102.5°	87.8	93.6	99.2	104.9	110.6	116.3	122.0	127.7	133.3	139.0	168.8
105°	149.2	164.5	180.1	195.5	210.9	226.3	241.7	257.0	272.5	287.9	336.6
107.5°	255.2	283.7	312.3	340.8	369.4	397.8	426.4	454.8	483.4	511.8	561.1
110°	471.9	494.7	517.7	540.7	563.6	586.6	609.5	632.3	655.3	678.2	714.1



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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°	636.4	646.7	657.1	667.5	677.9	688.2	698.6	709.0	719.4	729.5	755.3
115°	671.5	675.1	678.8	682.3	686.1	689.6	693.3	696.8	700.5	703.8	721.4
117.5°	652.0	651.3	650.7	650.1	649.4	648.8	648.0	647.3	646.5	645.9	655.7
120°	607.9	604.7	601.6	598.4	595.2	591.8	588.7	585.4	582.1	578.7	583.0
122.5°	552.1	548.3	544.7	540.8	537.0	533.0	529.2	525.0	521.3	517.3	518.9
125°	500.8	496.9	493.2	489.3	485.3	481.3	477.3	473.3	469.4	465.2	466.2
127.5°	456.0	453.4	450.8	447.9	445.2	442.1	439.3	436.3	433.6	430.5	430.8
130°	427.2	424.9	422.5	419.8	417.3	414.6	412.0	409.2	406.7	403.8	404.3
132.5°	403.7	402.0	400.4	398.4	396.7	394.5	392.7	390.5	388.6	386.6	387.1
135°	387.9	386.3	384.8	383.2	381.4	379.5	377.7	375.7	373.9	371.8	372.6
137.5°	374.7	373.3	371.8	370.3	368.6	366.8	365.2	363.3	361.6	359.7	360.3
140°	362.5	361.3	359.9	358.5	357.0	355.5	353.8	352.2	350.6	348.9	349.6
142.5°	349.0	347.9	346.9	345.8	344.6	343.1	341.9	340.4	339.2	337.8	338.9
145°	340.0	339.2	338.4	337.3	336.4	335.1	334.1	332.8	331.8	330.5	331.8
147.5°	332.3	331.6	330.9	330.2	329.4	328.3	327.4	326.4	325.5	324.5	325.7
150°	325.4	324.8	324.2	323.5	322.7	321.7	320.8	320.0	319.0	318.0	319.3
152.5°	318.3	317.6	317.1	316.4	315.6	314.6	314.0	313.0	312.1	311.2	312.2
155°	314.1	313.4	312.7	312.0	311.3	310.5	309.7	308.8	308.0	307.2	308.0
157.5°	311.4	310.8	310.4	309.7	309.3	308.5	308.0	307.3	306.7	306.0	306.6
160°	310.3	309.8	309.3	308.7	308.0	307.5	306.9	306.2	305.7	305.0	305.5
162.5°	309.4	308.8	308.3	307.7	307.2	306.4	305.9	305.3	304.8	304.2	304.8
165°	309.7	309.3	308.9	308.6	308.2	307.9	307.5	307.0	306.6	306.1	306.5
167.5°	312.5	311.9	311.6	311.1	310.6	310.0	309.6	309.0	308.6	308.0	308.4
170°	313.5	313.1	312.8	312.6	312.3	312.0	311.7	311.4	311.2	310.9	311.2
172.5°	315.1	314.8	314.6	314.5	314.3	314.1	313.9	313.6	313.5	313.1	313.7
175°	315.2	314.9	314.8	314.7	314.5	314.4	314.4	314.2	314.2	314.0	314.2
177.5°	317.3	317.2	317.2	317.2	317.2	317.1	317.0	316.8	316.8	316.8	317.0
180°	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2



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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°	112.8	116.0	121.5	123.0	127.1	128.2	108.1	107.0	103.9	103.7	99.9
92.5°	54.9	58.7	62.6	66.5	70.5	74.5	75.9	79.1	75.2	71.0	67.3
95°	64.8	71.2	77.6	84.1	90.5	96.9	103.3	109.7	103.7	97.6	91.6
97.5°	72.7	80.3	87.8	95.5	103.1	110.6	118.2	125.8	119.4	112.8	106.4
100°	95.6	109.8	123.8	137.9	151.9	166.1	180.2	194.3	181.9	169.5	157.1
102.5°	198.8	228.7	258.6	288.7	318.5	348.5	378.6	408.6	380.1	351.5	323.0
105°	385.0	433.6	482.1	530.6	579.1	627.6	676.4	725.0	679.4	633.9	588.5
107.5°	610.3	659.5	708.7	757.9	807.1	856.4	905.9	955.2	910.9	866.4	822.0
110°	750.1	786.0	822.0	857.8	893.8	929.7	966.1	1002.1	975.4	948.8	922.0



TEST NUMBER: P1444517  
 CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL24

**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	781.0	806.7	832.4	858.1	883.6	909.3	935.8	961.6	948.2	934.7	921.3
115°	738.7	756.0	773.3	790.6	808.0	825.1	843.4	860.9	856.6	852.3	848.0
117.5°	665.3	675.0	684.6	694.3	703.8	713.6	724.3	734.2	734.9	735.7	736.4
120°	587.0	591.2	595.2	599.3	603.3	607.4	612.7	617.1	620.7	624.2	627.8
122.5°	520.5	522.0	523.6	525.1	526.6	528.2	531.2	533.1	535.5	538.0	540.6
125°	466.9	467.7	468.4	469.2	469.8	470.7	473.1	474.1	474.4	474.4	474.7
127.5°	430.9	431.1	431.2	431.4	431.3	431.6	433.4	434.0	432.5	431.0	429.4
130°	404.6	405.1	405.4	405.9	406.2	406.7	408.9	409.9	407.1	404.4	401.7
132.5°	387.6	388.0	388.5	389.1	389.6	390.1	392.7	393.7	390.8	387.5	384.4
135°	373.1	373.9	374.5	375.0	375.6	376.5	379.3	380.6	377.7	374.6	371.7
137.5°	360.9	361.6	362.3	362.9	363.6	364.3	367.6	368.7	366.4	363.9	361.7
140°	350.4	351.2	352.1	352.9	353.7	354.7	358.2	359.6	357.9	355.9	354.1
142.5°	339.9	341.1	342.3	343.6	344.7	346.1	350.0	351.9	350.5	349.1	347.7
145°	333.0	334.4	335.7	337.1	338.4	339.9	344.4	346.6	345.9	344.8	343.9
147.5°	326.7	327.9	329.2	330.4	331.7	333.3	337.9	339.9	339.5	338.9	338.3
150°	320.4	321.6	322.9	324.2	325.7	327.1	332.3	334.6	334.2	333.6	333.2
152.5°	313.4	314.4	315.6	316.8	318.0	319.4	325.5	327.8	327.4	326.9	326.6
155°	308.8	309.8	310.6	311.6	312.5	313.7	320.0	322.3	322.1	321.8	321.5
157.5°	307.2	307.8	308.2	309.0	309.7	310.5	317.0	319.2	318.9	318.7	318.4
160°	306.0	306.5	306.9	307.5	308.0	308.5	315.2	317.3	317.1	316.8	316.5
162.5°	305.3	306.2	306.7	307.4	308.0	308.8	315.5	317.9	317.4	317.1	316.7
165°	306.9	307.2	307.6	308.0	308.4	308.8	315.1	317.0	316.9	316.6	316.3
167.5°	308.7	309.3	309.6	310.2	310.5	311.2	317.0	318.8	318.6	318.3	318.2
170°	311.4	311.9	312.1	312.6	313.0	313.5	318.4	319.9	319.8	319.2	319.0
172.5°	314.0	314.5	314.9	315.3	315.8	316.3	320.5	321.9	321.7	321.4	321.0
175°	314.5	314.8	315.2	315.6	316.0	316.4	319.7	320.7	320.6	320.5	320.3
177.5°	317.3	317.5	317.7	318.0	318.3	318.6	320.7	321.2	321.2	321.2	321.1
180°	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2



TEST NUMBER: P1444517  
 CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL24

**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°	98.8	94.9	95.2	93.1	94.5	92.4	93.9	91.6	93.7	93.0	95.8
92.5°	62.8	59.0	54.6	50.7	46.4	42.8	40.5	38.9	36.7	35.2	33.0
95°	85.7	79.7	73.8	67.8	61.9	55.9	53.6	51.5	49.3	47.1	44.9
97.5°	100.0	93.5	87.1	80.6	74.2	67.8	66.3	64.9	63.4	62.0	60.5
100°	144.6	132.3	119.8	107.3	95.0	82.6	81.4	80.3	79.1	78.0	76.8
102.5°	294.6	266.3	237.8	209.3	180.9	152.4	147.5	142.5	137.6	132.6	127.7
105°	542.9	497.3	451.8	406.4	361.0	315.4	301.8	288.2	274.6	261.0	247.5
107.5°	777.5	733.2	688.8	644.5	600.1	555.8	534.4	512.9	491.4	470.0	448.5
110°	895.3	868.6	842.1	815.3	788.8	762.2	741.7	721.2	700.7	680.3	659.8



TEST NUMBER: P1444517  
 CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL24

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	908.0	894.7	881.3	867.9	854.6	841.3	831.4	821.4	811.5	801.5	791.3
115°	843.8	839.5	835.2	831.1	827.0	822.7	821.9	821.3	820.5	819.8	819.1
117.5°	737.2	738.0	738.7	739.5	740.4	741.2	746.5	751.7	757.1	762.6	768.1
120°	631.4	635.1	638.6	642.3	646.0	649.6	656.7	663.8	671.0	678.2	685.6
122.5°	543.0	545.5	547.9	550.6	553.1	555.7	562.7	569.7	576.8	584.0	591.3
125°	474.6	474.8	474.8	474.9	475.0	475.3	481.1	486.8	492.8	498.7	504.6
127.5°	427.9	426.2	424.7	423.2	421.6	420.1	423.5	426.9	430.4	433.9	437.5
130°	398.9	396.2	393.3	390.7	387.8	385.1	386.5	387.8	389.2	390.6	392.0
132.5°	381.1	378.0	374.7	371.6	368.3	365.1	365.0	365.0	364.9	365.0	365.1
135°	368.6	365.5	362.3	359.3	356.1	353.2	352.5	351.6	350.8	350.1	349.5
137.5°	359.2	356.8	354.4	352.0	349.5	347.0	345.8	344.8	343.6	342.8	341.8
140°	352.1	350.2	348.1	346.3	344.2	342.4	341.3	340.5	339.6	338.8	337.9
142.5°	346.2	344.8	343.2	341.9	340.4	339.0	338.0	337.1	336.3	335.5	334.7
145°	343.0	342.1	341.1	340.1	339.1	338.3	337.4	336.8	336.1	335.6	335.0
147.5°	337.8	337.1	336.6	335.9	335.3	334.6	334.0	333.7	333.2	332.9	332.4
150°	332.6	332.1	331.4	331.0	330.3	329.8	329.5	329.3	328.9	328.9	328.5
152.5°	325.9	325.5	324.9	324.5	323.9	323.4	323.1	323.0	322.7	322.6	322.2
155°	321.1	320.8	320.5	320.2	319.7	319.5	319.1	318.7	318.4	318.0	317.6
157.5°	318.1	317.8	317.5	317.3	316.8	316.5	316.2	315.9	315.5	315.2	314.8
160°	316.2	316.0	315.6	315.3	315.0	314.7	314.2	313.8	313.2	312.9	312.3
162.5°	316.3	315.7	315.4	314.9	314.4	314.1	313.7	313.3	313.0	312.7	312.3
165°	316.0	315.7	315.4	315.1	314.8	314.5	314.1	313.7	313.2	312.7	312.2
167.5°	317.8	317.6	317.4	317.2	316.8	316.4	316.0	315.6	315.1	314.7	314.2
170°	318.6	318.2	317.8	317.5	317.1	316.7	316.2	315.8	315.3	315.0	314.4
172.5°	320.8	320.6	320.1	319.9	319.4	319.1	318.7	318.4	318.0	317.6	317.4
175°	320.2	320.2	320.1	319.8	319.8	319.6	319.4	319.4	319.2	319.1	318.9
177.5°	321.1	321.0	321.0	320.9	320.8	320.8	320.7	320.5	320.3	320.0	319.9
180°	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2



TEST NUMBER: P1444517  
 CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL24

**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°	94.3	96.0	93.1	92.9	91.4	92.9	89.6	89.5	84.4	83.3	78.8
92.5°	31.2	29.2	27.2	25.4	27.6	29.2	31.4	33.0	35.1	36.7	38.9
95°	42.8	40.5	38.4	36.2	37.9	39.7	41.4	43.1	44.9	46.6	48.4
97.5°	59.0	57.6	56.1	54.7	55.8	56.7	57.8	58.8	59.8	60.8	62.0
100°	75.6	74.5	73.3	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
102.5°	122.8	117.8	112.9	107.9	111.3	114.6	118.0	121.3	124.7	128.0	131.5
105°	234.0	220.4	206.9	193.3	206.4	219.5	232.7	245.8	258.9	272.2	285.4
107.5°	427.0	405.7	384.3	362.8	386.8	410.6	434.6	458.4	482.3	506.1	530.3
110°	639.5	619.1	598.6	578.3	603.6	629.0	654.3	679.6	705.1	730.4	755.8



TEST NUMBER: P1444517  
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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°	781.4	771.5	761.6	751.7	768.0	784.3	800.7	817.2	833.5	849.9	866.3
115°	818.5	817.9	817.3	816.7	824.5	832.1	839.9	847.6	855.5	863.2	871.1
117.5°	773.5	778.9	784.4	789.9	792.5	794.9	797.5	799.9	802.7	805.2	807.8
120°	692.9	700.2	707.5	715.0	713.9	713.0	711.9	710.9	710.1	709.3	708.5
122.5°	598.4	605.8	613.2	620.6	618.4	616.2	614.2	612.0	610.1	608.0	606.1
125°	510.8	516.8	523.0	529.2	527.0	524.9	522.7	520.8	518.6	516.7	514.9
127.5°	441.2	445.0	448.6	452.5	451.5	450.5	449.7	448.7	448.0	447.3	446.6
130°	393.6	395.3	397.1	398.7	399.0	399.3	399.9	400.3	400.9	401.4	402.2
132.5°	365.4	365.6	366.0	366.4	367.6	368.7	370.1	371.5	373.0	374.4	376.2
135°	349.0	348.6	348.1	347.9	349.6	351.3	353.2	355.1	357.2	359.3	361.6
137.5°	341.0	340.2	339.6	338.9	340.6	342.4	344.2	346.2	348.2	350.3	352.7
140°	337.2	336.6	336.2	335.6	337.3	339.0	340.8	342.8	344.8	346.9	349.2
142.5°	334.1	333.4	332.9	332.5	333.8	335.5	337.2	339.0	340.8	342.8	344.7
145°	334.5	333.9	333.6	333.3	334.3	335.5	336.7	338.0	339.5	340.7	342.4
147.5°	332.1	331.8	331.6	331.4	332.3	333.1	334.0	334.9	336.1	337.1	338.3
150°	328.5	328.2	328.2	328.1	328.6	329.2	329.8	330.3	331.0	331.7	332.6
152.5°	322.3	322.0	322.1	322.0	322.4	322.9	323.5	324.0	324.6	325.2	326.1
155°	317.6	317.4	317.1	316.9	317.0	317.2	317.5	317.6	317.9	318.1	318.5
157.5°	314.7	314.4	314.3	314.0	314.0	313.9	314.0	313.9	314.1	314.0	314.2
160°	312.0	311.4	311.2	310.8	310.9	310.9	311.1	311.1	311.2	311.4	311.6
162.5°	312.1	311.8	311.5	311.2	311.1	310.8	310.7	310.4	310.2	310.0	310.0
165°	311.7	311.3	311.0	310.5	310.4	310.4	310.2	310.2	310.1	310.1	310.1
167.5°	313.9	313.3	313.0	312.5	312.2	311.7	311.5	311.2	310.9	310.5	310.4
170°	314.3	313.8	313.5	313.1	312.9	312.7	312.6	312.4	312.3	312.2	312.2
172.5°	317.1	316.7	316.4	316.1	315.9	315.7	315.7	315.6	315.4	315.4	315.4
175°	318.8	318.7	318.6	318.4	318.2	318.0	317.9	317.7	317.6	317.4	317.3
177.5°	319.6	319.4	319.2	319.1	319.0	319.0	319.0	319.0	319.0	318.9	318.9
180°	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2



TEST NUMBER: P1444517  
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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°	78.8	75.0	75.8	73.7	75.1	73.6	75.9	75.3	78.0	77.3	80.2
92.5°	40.5	42.4	45.9	49.5	52.8	56.3	59.9	63.6	66.9	70.6	73.9
95°	50.1	51.9	56.5	61.2	65.8	70.5	75.3	80.0	84.6	89.3	94.0
97.5°	62.9	64.0	68.6	73.3	78.0	82.6	87.3	92.1	96.8	101.4	106.1
100°	72.1	72.2	85.5	98.7	112.0	125.4	138.6	151.8	165.2	178.4	191.7
102.5°	134.8	138.2	171.6	205.3	238.7	272.2	305.7	339.3	372.7	406.5	440.0
105°	298.4	311.6	362.7	413.8	464.9	516.1	567.4	618.7	669.8	721.0	772.2
107.5°	554.1	578.0	624.2	670.5	716.6	763.0	809.3	855.6	901.8	948.1	994.5
110°	781.2	806.6	837.6	868.6	899.6	930.5	961.6	992.6	1023.6	1054.8	1085.9



TEST NUMBER: P1444517  
 CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL24

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	882.5	899.0	917.1	935.2	953.2	971.4	989.5	1007.6	1025.8	1044.0	1062.2
115°	878.9	886.8	893.8	900.9	907.9	914.9	922.1	929.3	936.6	943.6	950.9
117.5°	810.3	813.1	814.2	815.4	816.4	817.8	818.9	820.3	821.7	822.9	824.2
120°	707.6	706.9	705.7	704.6	703.5	702.5	701.5	700.5	699.6	698.6	697.6
122.5°	604.1	602.3	601.3	600.2	599.2	598.4	597.3	596.5	595.6	594.8	593.9
125°	513.0	511.3	512.3	513.4	514.6	515.7	516.9	518.3	519.4	520.7	521.9
127.5°	445.9	445.4	448.2	451.0	453.8	456.6	459.5	462.4	465.2	468.2	471.0
130°	402.9	403.7	407.2	410.8	414.4	418.1	421.8	425.5	429.1	432.7	436.3
132.5°	377.8	379.6	382.9	386.4	389.9	393.4	397.0	400.5	404.0	407.6	411.0
135°	363.8	366.2	369.3	372.5	375.7	379.0	382.2	385.5	388.6	391.9	395.0
137.5°	354.8	357.2	359.8	362.3	364.9	367.6	370.2	372.8	375.3	378.0	380.6
140°	351.4	353.7	355.1	356.7	358.3	359.8	361.2	362.8	364.3	365.9	367.3
142.5°	346.7	349.0	349.8	350.8	351.9	353.0	354.0	355.0	355.9	356.9	357.8
145°	343.8	345.6	345.7	345.9	346.1	346.3	346.3	346.6	346.6	346.8	346.9
147.5°	339.5	340.7	340.4	340.5	340.4	340.3	340.2	340.2	340.0	340.0	339.9
150°	333.4	334.2	333.8	333.6	333.2	332.9	332.5	332.2	331.8	331.5	331.0
152.5°	326.7	327.4	326.9	326.6	326.1	325.7	325.1	324.8	324.2	323.9	323.5
155°	318.7	319.1	318.8	318.6	318.3	318.0	317.7	317.7	317.6	317.3	317.2
157.5°	314.2	314.3	314.1	314.0	313.8	313.7	313.5	313.5	313.4	313.5	313.5
160°	311.6	311.9	311.7	311.5	311.4	311.2	311.2	311.1	311.1	311.2	311.2
162.5°	309.7	309.6	309.5	309.3	309.2	309.0	309.0	309.1	309.0	309.1	309.2
165°	310.2	310.3	309.9	309.7	309.4	309.2	309.0	308.9	308.8	308.7	308.7
167.5°	310.2	310.1	310.1	310.1	310.1	310.2	310.3	310.6	310.7	311.0	311.1
170°	312.1	312.2	312.0	311.9	311.8	311.7	311.7	311.5	311.6	311.6	311.5
172.5°	315.4	315.4	315.1	314.8	314.5	314.3	314.0	313.9	313.6	313.4	313.1
175°	317.0	316.9	316.7	316.6	316.4	316.2	316.0	315.8	315.6	315.5	315.3
177.5°	318.8	318.6	318.5	318.5	318.5	318.4	318.4	318.3	318.3	318.3	318.1
180°	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2



TEST NUMBER: P1444517  
 CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL24

**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°	74.6	72.4	67.1	65.1	59.6	56.4	50.5	47.8	42.3	41.0	37.6
92.5°	69.9	66.0	62.2	58.2	54.4	50.5	46.5	42.7	38.7	37.1	36.1
95°	88.2	82.6	76.9	71.2	65.5	59.8	54.2	48.6	42.9	41.7	40.5
97.5°	99.4	92.7	86.0	79.4	72.7	66.0	59.4	52.7	46.1	45.3	44.6
100°	176.4	161.1	145.5	130.1	114.8	99.4	83.9	68.5	53.1	52.3	51.4
102.5°	402.6	365.2	327.8	290.5	253.4	215.9	178.5	141.1	103.7	98.3	93.0
105°	715.7	659.1	602.6	546.1	489.6	432.9	376.4	319.8	263.3	245.0	226.9
107.5°	941.3	888.2	835.0	781.9	728.8	675.6	622.4	569.3	516.0	484.0	452.0
110°	1043.7	1001.4	959.3	917.2	875.0	832.8	790.5	748.4	706.2	678.5	651.1



TEST NUMBER: P1444517  
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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°	1031.4	1000.4	969.6	938.6	907.8	876.7	845.9	814.8	783.8	767.2	750.5
115°	932.4	913.8	895.2	876.5	857.9	839.3	820.7	801.9	783.3	774.4	765.6
117.5°	814.8	805.3	795.9	786.4	776.8	767.2	757.7	748.1	738.5	735.4	732.4
120°	694.9	692.1	689.1	686.3	683.3	680.5	677.5	674.6	671.5	671.8	672.2
122.5°	595.1	596.2	597.4	598.4	599.5	600.5	601.6	602.6	603.6	606.0	608.3
125°	524.8	527.5	530.3	533.0	535.7	538.4	541.2	543.8	546.7	548.9	551.4
127.5°	474.3	477.3	480.5	483.5	486.7	489.7	492.9	495.7	498.9	500.9	503.2
130°	439.1	441.7	444.5	447.1	449.8	452.4	455.0	457.8	460.4	462.1	463.8
132.5°	413.4	415.9	418.3	420.6	423.1	425.4	427.9	430.2	432.7	433.9	435.3
135°	397.0	398.7	400.6	402.2	404.1	405.9	407.7	409.6	411.5	412.3	413.3
137.5°	382.0	383.5	385.0	386.4	387.9	389.4	391.0	392.5	394.2	394.5	395.2
140°	368.9	370.4	372.0	373.5	375.2	376.7	378.5	380.2	381.9	382.4	382.9
142.5°	359.1	360.2	361.4	362.6	364.0	365.2	366.5	368.1	369.4	369.9	370.4
145°	348.5	349.8	351.3	352.7	354.2	355.8	357.5	359.1	360.8	361.0	361.4
147.5°	341.0	342.2	343.5	344.8	346.1	347.3	349.0	350.3	351.9	352.2	352.4
150°	332.5	333.7	335.1	336.4	337.9	339.4	340.9	342.5	344.3	344.7	345.2
152.5°	324.9	326.3	327.7	329.3	330.8	332.5	334.2	335.9	337.6	338.1	338.6
155°	318.6	320.0	321.5	323.1	324.6	326.2	327.8	329.5	331.1	331.8	332.3
157.5°	314.8	316.0	317.5	318.8	320.3	321.6	323.2	324.5	326.2	326.6	327.1
160°	312.4	313.5	314.7	316.0	317.3	318.5	319.9	321.1	322.5	322.9	323.4
162.5°	310.4	311.5	312.8	314.0	315.3	316.5	317.8	319.0	320.4	320.8	321.2
165°	309.6	310.5	311.4	312.2	313.2	314.1	315.0	316.0	317.0	317.5	318.0
167.5°	311.8	312.4	313.1	313.8	314.5	315.3	316.1	316.8	317.6	318.0	318.4
170°	312.2	312.8	313.4	314.1	314.7	315.4	316.0	316.7	317.5	317.8	318.3
172.5°	313.5	313.8	314.4	314.6	315.1	315.5	316.0	316.5	316.9	317.5	317.8
175°	315.6	315.7	316.0	316.1	316.4	316.6	316.9	317.2	317.5	317.7	318.1
177.5°	318.2	318.4	318.5	318.7	319.0	319.2	319.4	319.6	319.8	320.3	320.7
180°	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2



TEST NUMBER: P1444517  
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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°	36.7	33.5	32.7	29.8	28.7	26.5	25.6	26.0	27.0	27.4	28.4
92.5°	34.7	33.5	32.1	30.8	29.5	28.2	26.9	28.2	29.5	30.8	32.1
95°	39.4	38.2	37.0	35.9	34.7	33.5	32.4	33.5	34.7	36.0	37.1
97.5°	43.8	43.1	42.4	41.7	40.9	40.2	39.5	40.3	41.0	41.8	42.5
100°	50.5	49.6	48.8	47.9	47.0	46.2	45.3	46.3	47.2	48.1	49.0
102.5°	87.7	82.3	76.9	71.6	66.1	60.8	55.4	60.8	66.1	71.7	77.0
105°	208.7	190.5	172.4	154.2	135.9	117.8	99.6	117.9	136.0	154.3	172.6
107.5°	420.0	388.2	356.1	324.2	292.1	260.1	228.2	260.1	292.2	324.2	356.2
110°	623.5	595.9	568.2	540.7	513.0	485.4	457.8	485.5	513.2	540.9	568.5



TEST NUMBER: P1444517  
 CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL24

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	733.6	716.8	700.1	683.4	666.4	649.6	632.8	649.8	666.7	683.8	700.6
115°	756.9	748.0	739.1	730.2	721.3	712.5	703.5	712.7	721.7	730.7	739.7
117.5°	729.2	726.1	723.0	719.9	716.7	713.6	710.3	713.8	717.1	720.6	723.8
120°	672.5	672.9	673.2	673.5	673.8	674.0	674.2	674.4	674.4	674.4	674.3
122.5°	610.7	613.0	615.2	617.5	619.7	621.8	624.0	622.1	620.3	618.4	616.4
125°	553.7	556.2	558.4	560.8	563.0	565.4	567.3	565.8	563.8	562.0	559.9
127.5°	505.4	507.5	509.5	511.8	513.7	515.7	517.5	516.1	514.5	512.9	511.2
130°	465.4	467.2	468.7	470.3	471.7	473.1	474.3	473.5	472.5	471.6	470.5
132.5°	436.4	437.8	439.0	440.2	441.2	442.2	443.0	442.7	442.1	441.7	440.9
135°	414.1	415.0	415.7	416.6	417.2	417.9	418.2	418.4	418.2	418.1	417.7
137.5°	395.6	396.1	396.5	396.8	397.1	397.2	397.3	397.7	398.0	398.5	398.5
140°	383.3	383.9	384.2	384.6	384.8	385.0	385.0	385.6	385.9	386.2	386.3
142.5°	370.8	371.3	371.7	372.1	372.2	372.5	372.5	373.0	373.3	373.6	373.8
145°	361.7	362.0	362.2	362.4	362.4	362.5	362.3	363.1	363.5	364.0	364.3
147.5°	352.7	353.0	353.1	353.2	353.3	353.3	353.2	353.8	354.3	354.7	355.2
150°	345.7	346.3	346.5	347.0	347.2	347.5	347.5	348.0	348.2	348.5	348.5
152.5°	339.1	339.4	339.9	340.0	340.4	340.5	340.7	341.0	341.5	341.7	341.9
155°	332.8	333.4	333.7	334.2	334.5	334.9	335.2	335.5	335.8	335.9	336.1
157.5°	327.5	328.0	328.4	328.9	329.2	329.7	330.0	330.3	330.6	330.9	331.0
160°	323.8	324.3	324.6	325.1	325.5	325.9	326.2	326.6	326.9	327.1	327.3
162.5°	321.6	322.1	322.3	322.8	323.2	323.6	323.9	324.2	324.5	324.8	325.0
165°	318.5	319.0	319.6	320.1	320.7	321.0	321.5	321.7	321.8	321.9	322.1
167.5°	318.9	319.4	319.9	320.4	320.8	321.2	321.7	321.8	322.0	322.0	322.1
170°	318.7	319.1	319.6	320.0	320.5	320.8	321.2	321.2	321.3	321.4	321.5
172.5°	318.3	318.9	319.4	320.0	320.4	320.9	321.3	321.4	321.2	321.1	320.8
175°	318.5	319.0	319.4	319.9	320.2	320.7	321.1	320.8	320.8	320.7	320.5
177.5°	321.2	321.8	322.4	322.8	323.3	323.7	324.2	323.8	323.5	323.1	322.7
180°	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2



TEST NUMBER: P1444517  
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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°	29.1	30.0	30.6	31.6	32.8	35.2	37.7	40.1	43.0	45.5	48.1
92.5°	33.5	34.8	36.2	37.4	38.8	42.8	46.6	50.6	54.6	58.5	62.3
95°	38.3	39.5	40.6	42.0	43.1	48.9	54.5	60.2	65.9	71.6	77.3
97.5°	43.3	44.0	44.8	45.5	46.3	53.0	59.7	66.4	73.1	79.8	86.4
100°	49.9	50.8	51.7	52.6	53.4	68.8	84.3	99.8	115.2	130.6	146.0
102.5°	82.5	87.8	93.3	98.7	104.1	141.6	179.0	216.4	253.7	291.1	328.4
105°	190.7	209.0	227.3	245.4	263.6	320.3	376.9	433.6	490.1	546.7	603.3
107.5°	388.4	420.4	452.5	484.6	516.6	569.9	623.1	676.3	729.6	782.9	835.9
110°	596.3	623.9	651.6	679.3	707.0	749.2	791.6	833.8	876.1	918.3	960.5



TEST NUMBER: P1444517  
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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°	717.5	734.3	751.3	767.9	784.8	815.8	847.1	878.0	909.1	939.9	971.1
115°	748.8	757.7	766.7	775.5	784.5	803.2	821.9	840.9	859.6	878.2	896.9
117.5°	727.1	730.3	733.6	736.6	739.9	749.6	759.2	768.9	778.6	788.3	797.9
120°	674.2	674.0	673.8	673.5	673.3	676.3	679.5	682.5	685.5	688.5	691.4
122.5°	614.4	612.2	610.2	608.0	605.8	604.8	603.9	602.9	602.0	601.1	600.1
125°	557.9	555.6	553.6	551.2	549.0	546.4	543.9	541.1	538.6	535.9	533.3
127.5°	509.5	507.5	505.8	503.6	501.7	498.6	495.8	492.7	489.9	486.7	483.8
130°	469.2	467.8	466.6	464.9	463.6	460.9	458.4	455.8	453.2	450.7	448.1
132.5°	440.1	439.1	438.3	437.1	436.1	433.7	431.6	429.2	426.9	424.5	422.4
135°	417.4	416.8	416.5	415.8	415.2	413.3	411.7	410.0	408.2	406.6	404.8
137.5°	398.7	398.5	398.4	398.2	398.0	396.6	395.2	393.8	392.4	391.0	389.6
140°	386.5	386.4	386.4	386.2	386.0	384.5	383.0	381.4	380.0	378.3	377.0
142.5°	373.8	373.8	373.8	373.6	373.5	372.3	371.3	370.1	368.8	367.7	366.6
145°	364.5	364.6	364.9	364.8	365.1	363.5	362.3	360.7	359.5	358.0	356.7
147.5°	355.5	355.7	355.9	356.0	356.2	355.0	354.0	352.7	351.7	350.4	349.5
150°	348.7	348.7	348.8	348.7	348.7	347.4	346.3	345.1	344.0	342.7	341.6
152.5°	342.0	342.2	342.3	342.4	342.5	341.3	340.0	338.7	337.4	336.2	334.9
155°	336.3	336.3	336.4	336.4	336.4	335.2	334.0	332.8	331.6	330.4	329.3
157.5°	331.2	331.3	331.5	331.6	331.7	330.6	329.7	328.6	327.6	326.5	325.5
160°	327.5	327.7	327.9	328.0	328.1	327.2	326.6	325.5	324.8	323.8	322.8
162.5°	325.3	325.5	325.7	325.8	325.9	325.0	324.3	323.5	322.6	321.5	320.7
165°	322.2	322.2	322.2	322.2	322.1	321.5	321.0	320.5	319.9	319.2	318.6
167.5°	322.2	322.2	322.2	322.2	322.1	321.7	321.5	321.0	320.6	320.2	319.7
170°	321.5	321.5	321.5	321.5	321.4	321.0	320.7	320.3	320.0	319.4	318.9
172.5°	320.8	320.7	320.5	320.4	320.2	319.9	319.6	319.3	319.1	318.8	318.5
175°	320.3	320.1	319.9	319.7	319.5	319.4	319.3	319.2	319.1	318.9	318.8
177.5°	322.3	322.0	321.5	321.2	320.8	320.8	320.7	320.6	320.5	320.4	320.2
180°	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2



TEST NUMBER: P1444517  
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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°	50.6	59.3	61.8	60.1	56.4	54.5	51.0	49.4	46.3	44.6	41.5
92.5°	66.3	70.2	74.2	70.7	67.2	63.7	60.2	56.5	53.1	49.5	46.2
95°	83.0	88.4	94.2	89.5	84.7	80.1	75.4	70.7	66.0	61.4	56.7
97.5°	93.1	99.7	106.3	101.6	97.0	92.2	87.6	82.9	78.2	73.5	68.8
100°	161.5	176.6	192.0	178.7	165.4	152.1	138.8	125.6	112.3	99.0	85.7
102.5°	365.7	403.0	440.2	406.7	373.0	339.6	306.1	272.5	239.0	205.4	171.8
105°	659.8	716.2	772.6	721.3	670.1	618.9	567.7	516.4	465.3	414.0	362.9
107.5°	889.1	941.8	994.8	948.5	902.2	856.0	809.6	763.3	716.9	670.7	624.4
110°	1002.8	1044.3	1086.4	1055.2	1024.1	993.0	962.0	930.8	899.8	868.9	837.8



TEST NUMBER: P1444517  
 CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL24

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	1001.9	1032.1	1062.7	1044.4	1026.2	1008.1	990.0	971.7	953.6	935.5	917.5
115°	915.5	933.2	951.5	944.1	937.0	929.8	922.6	915.5	908.3	901.2	894.2
117.5°	807.5	815.7	825.0	823.6	822.3	820.9	819.6	818.3	817.1	815.8	814.7
120°	694.5	696.0	698.6	699.5	700.5	701.3	702.3	703.3	704.2	705.2	706.3
122.5°	599.0	596.4	595.0	595.7	596.6	597.4	598.3	599.2	600.2	601.1	602.0
125°	530.6	526.3	523.0	521.8	520.6	519.3	518.1	516.7	515.6	514.5	513.3
127.5°	480.8	476.0	472.5	469.6	466.7	463.8	460.9	457.9	455.1	452.1	449.5
130°	445.5	441.0	437.9	434.2	430.6	426.9	423.3	419.7	416.0	412.4	408.8
132.5°	419.9	415.6	412.8	409.2	405.9	402.2	398.9	395.2	391.8	388.1	384.8
135°	403.1	399.1	396.9	393.6	390.7	387.4	384.3	381.0	377.9	374.6	371.6
137.5°	388.1	384.4	382.4	379.8	377.5	374.9	372.4	369.7	367.3	364.5	362.2
140°	375.3	371.4	369.3	367.9	366.6	365.0	363.6	362.2	360.7	359.2	357.7
142.5°	365.4	361.6	359.9	359.0	358.2	357.2	356.4	355.5	354.6	353.4	352.6
145°	355.4	351.1	349.1	348.9	349.0	348.9	348.8	348.7	348.6	348.4	348.3
147.5°	348.2	343.8	342.0	342.2	342.4	342.5	342.8	342.9	343.1	343.1	343.3
150°	340.2	335.4	333.2	333.5	333.9	334.3	334.8	335.1	335.6	336.0	336.4
152.5°	333.5	327.6	325.2	325.6	326.2	326.6	327.1	327.5	328.1	328.7	329.2
155°	327.8	321.5	318.9	319.0	319.2	319.4	319.6	319.9	320.2	320.5	320.8
157.5°	324.2	317.7	315.2	315.1	315.1	315.2	315.3	315.5	315.6	315.8	316.0
160°	321.9	315.4	313.0	312.8	312.9	312.9	312.9	312.9	313.1	313.2	313.5
162.5°	319.7	313.3	311.0	310.8	310.8	310.7	310.8	310.7	310.9	310.9	311.2
165°	317.9	312.4	310.4	310.4	310.5	310.6	310.7	310.9	311.1	311.2	311.5
167.5°	319.1	314.2	312.7	312.4	312.2	311.9	311.9	311.6	311.6	311.5	311.5
170°	318.4	314.5	313.1	313.1	313.3	313.2	313.2	313.3	313.4	313.3	313.5
172.5°	318.1	315.3	314.3	314.5	314.8	315.0	315.3	315.5	315.8	316.1	316.4
175°	318.6	317.0	316.5	316.5	316.6	316.8	316.9	317.1	317.2	317.4	317.6
177.5°	320.2	319.6	319.3	319.3	319.3	319.3	319.3	319.3	319.3	319.4	319.4
180°	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2



TEST NUMBER: P1444517  
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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°	40.1	38.1	37.7	35.5	35.6	33.3	33.9	31.7	32.8	30.2	34.1
92.5°	42.6	40.8	38.8	37.0	35.0	33.3	31.2	29.4	27.4	25.6	27.4
95°	52.1	50.3	48.6	46.7	45.0	43.2	41.5	39.8	38.0	36.3	38.5
97.5°	64.2	63.1	62.2	61.1	60.1	59.0	58.1	57.0	56.0	55.0	56.4
100°	72.4	72.4	72.4	72.4	72.3	72.3	72.3	72.3	72.3	72.3	73.5
102.5°	138.3	134.9	131.6	128.2	124.9	121.5	118.2	114.8	111.5	108.1	113.1
105°	311.7	298.6	285.5	272.3	259.2	246.1	233.0	219.8	206.7	193.6	207.2
107.5°	578.3	554.3	530.4	506.4	482.5	458.6	434.8	410.8	387.0	363.1	384.6
110°	806.8	781.5	756.0	730.7	705.3	679.8	654.5	629.2	603.8	578.5	598.8



TEST NUMBER: P1444517  
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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°	899.3	882.8	866.5	850.0	833.6	817.3	801.0	784.6	768.3	752.0	761.9
115°	887.0	879.2	871.4	863.5	855.8	847.9	840.2	832.4	824.8	817.0	817.6
117.5°	813.5	810.8	808.2	805.5	802.9	800.3	797.8	795.3	792.9	790.3	784.8
120°	707.4	708.2	708.9	709.8	710.6	711.6	712.3	713.3	714.3	715.4	707.9
122.5°	603.0	604.8	606.7	608.6	610.7	612.6	614.6	616.8	619.0	621.1	613.7
125°	512.2	514.0	515.7	517.7	519.4	521.6	523.5	525.7	527.8	530.1	523.8
127.5°	446.6	447.3	447.7	448.4	449.0	449.9	450.8	451.7	452.7	453.9	449.9
130°	405.2	404.4	403.7	403.0	402.2	401.7	401.3	400.8	400.5	400.3	398.5
132.5°	381.3	379.6	377.9	376.2	374.7	373.3	371.8	370.7	369.4	368.4	367.9
135°	368.2	365.9	363.6	361.5	359.2	357.3	355.3	353.5	351.7	350.0	350.3
137.5°	359.5	357.3	354.9	352.7	350.6	348.7	346.6	344.8	343.1	341.4	342.0
140°	356.2	353.9	351.7	349.5	347.5	345.5	343.5	341.8	339.9	338.4	338.8
142.5°	351.6	349.7	347.5	345.7	343.6	341.9	340.1	338.6	336.7	335.4	335.9
145°	348.2	346.6	345.1	343.6	342.3	341.0	339.6	338.5	337.3	336.4	336.7
147.5°	343.4	342.4	341.1	340.1	338.9	337.9	336.9	336.2	335.3	334.5	334.6
150°	336.7	336.1	335.3	334.6	333.9	333.4	332.7	332.2	331.6	331.1	331.1
152.5°	329.7	329.1	328.3	327.7	327.1	326.6	326.0	325.6	325.1	324.6	324.6
155°	321.1	320.8	320.6	320.4	320.1	320.0	319.7	319.7	319.5	319.4	319.5
157.5°	316.2	316.2	316.1	316.1	316.1	316.1	316.0	316.2	316.1	316.3	316.4
160°	313.8	313.6	313.4	313.3	313.2	313.0	313.0	312.9	312.9	312.8	313.2
162.5°	311.2	311.4	311.5	311.7	311.9	312.1	312.3	312.6	312.8	313.1	313.3
165°	311.8	311.8	311.7	311.7	311.7	311.8	311.7	311.9	311.9	312.1	312.4
167.5°	311.4	311.6	311.7	311.9	312.1	312.4	312.7	313.0	313.4	313.8	314.2
170°	313.5	313.5	313.5	313.5	313.5	313.6	313.7	313.8	313.9	314.1	314.4
172.5°	316.6	316.6	316.5	316.6	316.5	316.6	316.6	316.7	316.7	316.8	317.0
175°	317.6	317.9	318.1	318.2	318.4	318.5	318.7	318.8	319.0	319.1	319.1
177.5°	319.4	319.5	319.5	319.5	319.5	319.6	319.6	319.6	319.6	319.5	319.6
180°	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2



TEST NUMBER: P1444517  
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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°	34.1	37.5	37.7	40.9	41.4	45.0	45.7	49.2	49.6	53.2	54.2
92.5°	29.4	31.2	33.2	35.0	36.9	38.8	40.7	42.6	46.6	50.5	54.8
95°	40.6	42.9	45.0	47.2	49.4	51.6	53.7	55.9	62.0	67.9	73.9
97.5°	57.9	59.3	60.8	62.2	63.7	65.2	66.6	68.1	74.5	80.9	87.3
100°	74.7	75.8	77.0	78.2	79.3	80.5	81.6	82.8	95.3	107.6	120.0
102.5°	118.0	122.9	127.9	132.8	137.8	142.7	147.7	152.6	181.1	209.5	237.9
105°	220.7	234.3	247.8	261.3	274.9	288.5	302.0	315.6	361.2	406.6	452.2
107.5°	406.0	427.3	448.7	470.3	491.7	513.1	534.6	556.1	600.4	644.8	689.1
110°	619.3	639.8	660.1	680.7	701.0	721.5	742.0	762.5	789.1	815.6	842.4



TEST NUMBER: P1444517  
 CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL24

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	771.8	781.7	791.7	801.8	811.8	821.8	831.7	841.8	855.1	868.4	881.8
115°	818.3	818.8	819.5	820.2	821.0	821.6	822.5	823.2	827.5	831.6	835.9
117.5°	779.4	774.0	768.5	763.0	757.7	752.4	747.1	742.0	741.1	740.2	739.5
120°	700.8	693.5	686.2	678.8	671.8	664.5	657.5	650.4	646.8	643.2	639.7
122.5°	606.5	599.2	592.1	584.8	577.8	570.6	563.7	556.8	554.2	551.7	549.2
125°	517.8	511.7	505.8	499.7	493.9	488.1	482.5	476.7	476.6	476.4	476.4
127.5°	446.2	442.5	438.9	435.4	432.0	428.5	425.2	421.8	423.4	425.0	426.6
130°	396.9	395.2	393.9	392.2	391.0	389.7	388.4	387.2	390.0	392.7	395.5
132.5°	367.7	367.4	367.3	367.1	367.2	367.2	367.4	367.4	370.6	373.8	377.0
135°	350.8	351.2	352.0	352.5	353.3	354.0	355.0	355.7	358.9	361.8	365.0
137.5°	342.9	343.5	344.4	345.3	346.4	347.4	348.7	349.6	352.1	354.5	356.9
140°	339.5	339.9	340.7	341.5	342.4	343.1	344.2	345.1	347.1	349.0	350.9
142.5°	336.6	337.0	337.7	338.5	339.4	340.0	341.0	341.7	343.2	344.6	346.2
145°	337.0	337.4	338.0	338.5	339.1	339.8	340.3	341.0	342.0	342.9	343.7
147.5°	334.9	335.2	335.6	335.9	336.4	336.7	337.1	337.5	338.3	338.8	339.4
150°	331.2	331.3	331.5	331.6	331.9	332.2	332.4	332.7	333.2	333.6	334.2
152.5°	324.8	324.9	325.0	325.1	325.3	325.5	325.6	325.9	326.4	326.9	327.3
155°	319.7	320.0	320.3	320.6	320.9	321.0	321.4	321.7	322.1	322.4	322.8
157.5°	316.7	316.9	317.3	317.4	317.7	318.0	318.3	318.5	318.9	319.2	319.5
160°	313.6	314.1	314.4	314.8	315.3	315.7	316.1	316.6	316.9	317.2	317.5
162.5°	313.7	314.0	314.3	314.4	314.7	315.1	315.3	315.6	316.2	316.5	317.1
165°	313.0	313.3	313.9	314.2	314.7	315.1	315.5	315.9	316.2	316.5	316.7
167.5°	314.5	314.8	315.3	315.8	316.2	316.6	317.0	317.5	317.7	317.8	318.2
170°	314.6	315.1	315.4	315.8	316.2	316.5	316.9	317.3	317.6	318.0	318.4
172.5°	317.2	317.6	317.8	318.0	318.3	318.7	319.0	319.3	319.6	320.0	320.2
175°	319.1	319.1	319.2	319.3	319.4	319.4	319.4	319.6	319.7	319.8	319.8
177.5°	319.8	319.9	320.1	320.2	320.4	320.5	320.7	320.8	320.8	320.8	320.8
180°	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2



TEST NUMBER: P1444517  
 CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL24

**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°	58.6	59.9	64.5	66.0	71.3	73.3	74.7	72.3	73.6	71.4	72.5
92.5°	58.7	63.0	67.1	71.2	75.2	79.4	75.5	71.8	68.0	64.3	60.4
95°	79.8	85.8	91.7	97.7	103.7	109.7	103.3	97.0	90.6	84.2	77.7
97.5°	93.7	100.2	106.6	113.0	119.5	125.9	118.3	110.7	103.2	95.7	88.0
100°	132.5	144.9	157.3	169.7	182.1	194.5	180.4	166.4	152.2	138.1	124.0
102.5°	266.5	294.9	323.4	351.8	380.2	408.7	378.8	349.0	319.0	289.0	259.0
105°	497.6	543.2	588.7	634.2	679.7	725.4	676.8	628.3	579.6	531.3	482.6
107.5°	733.6	777.8	822.4	866.6	911.2	955.6	906.4	857.1	808.0	758.7	709.5
110°	869.1	895.7	922.4	949.3	975.8	1002.6	966.7	930.7	894.9	858.8	822.9



TEST NUMBER: P1444517  
 CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL24

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	895.2	908.5	921.8	935.4	948.7	962.2	936.5	910.8	885.1	859.5	833.6
115°	840.2	844.4	848.7	853.1	857.2	861.6	844.2	826.9	809.6	792.4	774.8
117.5°	738.8	738.1	737.2	736.7	735.8	735.2	725.5	715.8	706.1	696.4	686.6
120°	636.1	632.5	628.9	625.4	621.8	618.1	614.1	610.1	605.8	601.7	597.5
122.5°	546.8	544.3	541.9	539.4	536.9	534.3	532.7	531.3	529.5	528.0	526.2
125°	476.3	476.2	476.1	476.0	475.9	475.7	474.8	474.0	473.2	472.5	471.5
127.5°	428.1	429.7	431.2	432.7	434.2	435.7	435.5	435.4	435.1	435.0	434.6
130°	398.2	401.0	403.7	406.4	409.0	411.8	411.1	410.8	410.2	409.9	409.3
132.5°	380.2	383.3	386.5	389.7	392.7	395.8	395.1	394.6	393.9	393.4	392.8
135°	367.9	371.0	373.9	377.0	379.8	382.7	381.8	381.3	380.4	379.8	378.9
137.5°	359.2	361.8	364.0	366.4	368.6	371.0	370.2	369.4	368.6	368.0	367.2
140°	352.7	354.6	356.4	358.4	360.1	362.0	361.0	360.0	359.1	358.1	357.0
142.5°	347.5	349.0	350.2	351.7	352.9	354.4	352.9	351.6	350.3	349.1	347.6
145°	344.7	345.7	346.4	347.3	348.1	349.0	347.3	346.0	344.2	342.9	341.2
147.5°	339.9	340.5	340.8	341.5	341.8	342.5	340.9	339.5	338.0	336.6	335.0
150°	334.6	335.2	335.6	336.0	336.5	336.9	335.3	333.7	332.2	330.6	329.2
152.5°	327.8	328.2	328.6	329.0	329.4	329.8	328.2	327.0	325.4	323.9	322.5
155°	322.9	323.3	323.5	323.8	323.9	324.0	322.7	321.7	320.4	319.2	317.8
157.5°	319.7	320.0	320.3	320.4	320.6	320.8	319.8	319.0	317.9	317.1	316.0
160°	317.6	317.9	318.1	318.3	318.5	318.6	317.8	317.2	316.4	315.5	314.6
162.5°	317.3	317.7	318.0	318.4	318.7	319.1	318.0	317.3	316.3	315.3	314.3
165°	317.0	317.2	317.4	317.6	317.6	317.9	317.4	316.7	316.0	315.4	314.7
167.5°	318.3	318.6	318.8	319.0	319.1	319.3	318.6	318.1	317.4	316.8	316.0
170°	318.7	318.9	319.4	319.6	319.9	320.1	319.6	319.1	318.5	318.0	317.5
172.5°	320.6	320.8	320.9	321.2	321.4	321.7	321.1	320.6	320.1	319.5	318.9
175°	319.8	319.9	320.1	320.1	320.1	320.2	319.8	319.3	318.9	318.4	318.0
177.5°	320.8	320.8	320.8	320.7	320.7	320.7	320.4	320.1	319.8	319.5	319.1
180°	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2



TEST NUMBER: P1444517  
 CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL24

**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°	70.4	71.8	69.6	71.2	70.2	72.7	72.2	74.8	73.9	76.0	74.5
92.5°	56.6	52.8	49.2	45.3	43.3	41.3	39.8	37.5	35.8	33.7	31.8
95°	71.3	64.9	58.5	52.1	49.8	47.6	45.4	43.2	41.0	38.9	36.7
97.5°	80.5	72.9	65.4	57.8	55.9	54.0	52.0	50.1	48.2	46.3	44.4
100°	109.9	95.7	81.7	67.5	65.8	64.3	62.6	61.1	59.4	57.9	56.2
102.5°	229.1	199.2	169.1	139.1	133.4	127.8	122.1	116.3	110.6	104.9	99.2
105°	434.1	385.4	336.8	288.2	272.8	257.3	241.8	226.4	211.0	195.6	180.1
107.5°	660.2	610.9	561.5	512.2	483.7	455.1	426.6	397.9	369.5	340.8	312.3
110°	786.9	750.9	714.8	678.7	655.9	633.0	609.9	586.9	564.0	541.0	517.9



TEST NUMBER: P1444517  
 CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL24

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	807.9	782.2	756.3	730.4	720.1	709.7	699.3	688.8	678.3	667.8	657.4
115°	757.5	740.1	722.7	705.0	701.5	697.8	694.2	690.4	686.8	683.0	679.2
117.5°	676.9	667.1	657.3	647.4	648.0	648.6	649.3	649.8	650.2	650.7	651.2
120°	593.3	589.0	585.0	580.7	583.9	587.0	590.2	593.1	596.3	599.2	602.2
122.5°	524.7	522.9	521.4	519.5	523.4	527.3	531.0	534.6	538.3	541.8	545.4
125°	470.8	469.8	469.0	467.9	471.9	475.7	479.5	483.2	486.9	490.4	494.0
127.5°	434.5	434.2	434.0	433.6	436.5	439.0	441.8	444.3	447.0	449.3	451.6
130°	408.9	408.3	407.9	407.3	409.8	412.2	414.7	416.9	419.4	421.4	423.5
132.5°	392.2	391.5	391.0	390.3	392.2	393.8	395.6	397.1	398.7	400.0	401.4
135°	378.3	377.4	376.8	375.8	377.6	379.2	380.8	382.1	383.6	384.7	386.0
137.5°	366.4	365.6	364.8	364.0	365.4	366.9	368.3	369.6	370.8	372.0	373.0
140°	356.2	355.2	354.3	353.2	354.6	355.9	357.1	358.2	359.3	360.2	361.2
142.5°	346.3	344.9	343.7	342.3	343.2	344.1	345.1	345.9	346.7	347.4	348.0
145°	339.8	338.1	336.7	335.1	335.9	336.5	337.2	337.9	338.4	338.8	339.4
147.5°	333.6	332.1	330.5	329.0	329.7	330.2	330.5	330.9	331.5	331.8	332.1
150°	327.5	325.9	324.3	322.7	323.2	323.6	324.0	324.3	324.7	324.9	325.2
152.5°	320.8	319.4	317.8	316.3	316.7	317.0	317.3	317.5	317.7	317.9	318.1
155°	316.7	315.3	314.1	312.6	313.0	313.2	313.4	313.7	313.8	313.9	314.1
157.5°	315.0	313.9	313.0	311.8	311.9	311.9	312.0	311.8	311.9	311.8	311.8
160°	313.9	312.9	312.0	311.1	311.0	311.1	311.1	311.0	310.9	310.8	310.7
162.5°	313.3	312.2	311.2	310.1	310.1	310.2	310.2	310.0	310.0	309.8	309.8
165°	314.1	313.3	312.5	311.6	311.5	311.4	311.3	311.1	310.9	310.6	310.4
167.5°	315.3	314.5	313.8	312.8	313.0	313.0	313.0	312.9	312.9	312.7	312.7
170°	316.9	316.2	315.6	314.9	314.8	314.7	314.6	314.4	314.3	314.1	313.9
172.5°	318.2	317.6	317.1	316.3	316.3	316.2	316.1	316.0	315.7	315.6	315.5
175°	317.5	317.1	316.4	316.0	315.9	315.9	315.8	315.7	315.5	315.5	315.3
177.5°	318.8	318.5	318.1	317.8	317.7	317.7	317.6	317.6	317.6	317.6	317.5
180°	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2



TEST NUMBER: P1444517  
CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL24

**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°	76.4	74.6
92.5°	30.2	28.4
95°	34.5	32.3
97.5°	42.6	40.6
100°	54.7	53.0
102.5°	93.6	87.8
105°	164.6	149.2
107.5°	283.7	255.2
110°	494.9	471.9



TEST NUMBER: P1444517  
CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL24

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	646.8	636.4
115°	675.2	671.5
117.5°	651.6	652.0
120°	604.9	607.9
122.5°	548.7	552.1
125°	497.3	500.8
127.5°	453.9	456.0
130°	425.2	427.2
132.5°	402.5	403.7
135°	387.0	387.9
137.5°	373.8	374.7
140°	361.9	362.5
142.5°	348.5	349.0
145°	339.7	340.0
147.5°	332.0	332.3
150°	325.3	325.4
152.5°	318.1	318.3
155°	314.1	314.1
157.5°	311.5	311.4
160°	310.5	310.3
162.5°	309.5	309.4
165°	310.0	309.7
167.5°	312.4	312.5
170°	313.6	313.5
172.5°	315.3	315.1
175°	315.2	315.2
177.5°	317.5	317.3
180°	319.2	319.2

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 <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			

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**Scotopic Flux vs. Wavelength**



**Scotopic Lumens: NR**

**S/P: 1.43**

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			

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**Melanopic Flux vs. Wavelength**



**Melanopic Lumens: NR**

**M/P: 2.75**

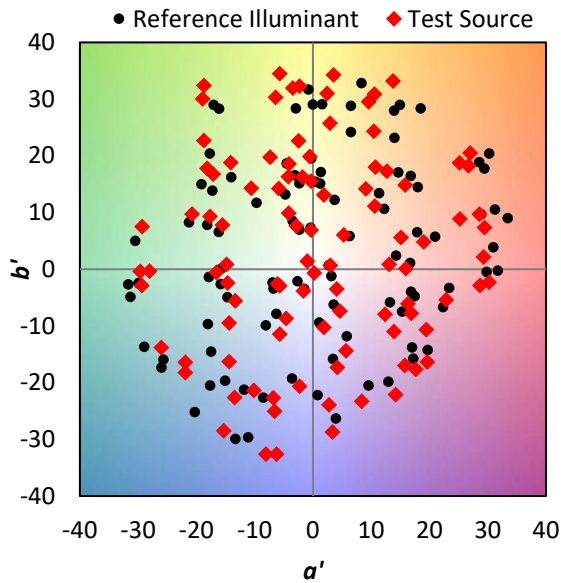
$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	60	NR	620	327	NR	750	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**

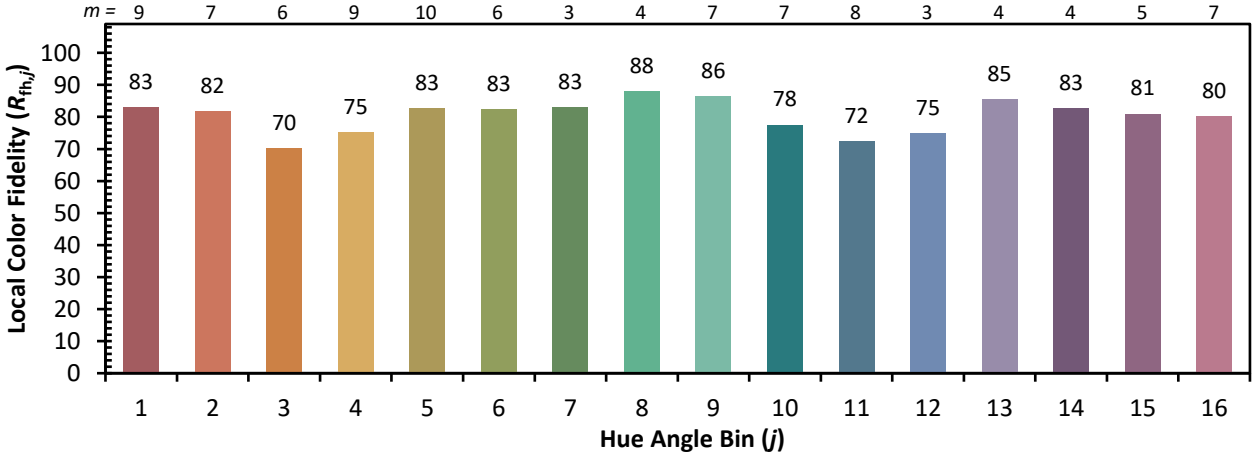


**Individual Sample Fidelity Index ( $R_{f,i}$ )**

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)