

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: P1444516

Luminaire Tested: EHBR1-24-UNV-TA-L835-UPL18

Issue Date: 5/1/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1444516  
REPORT IS A COMBINATION OF REPORTS P1444320 AND P1431635  
Test Lab: INNOVATION CENTER  
Issue Date: 5/1/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: EHBR1-24-UNV-TA-L835-UPL18  
Description: Elevate Round Highbay at, 24000 lumens, 3500K 80CRI LEDs with TA lens  
Light Source: -  
Ballast/Driver: -

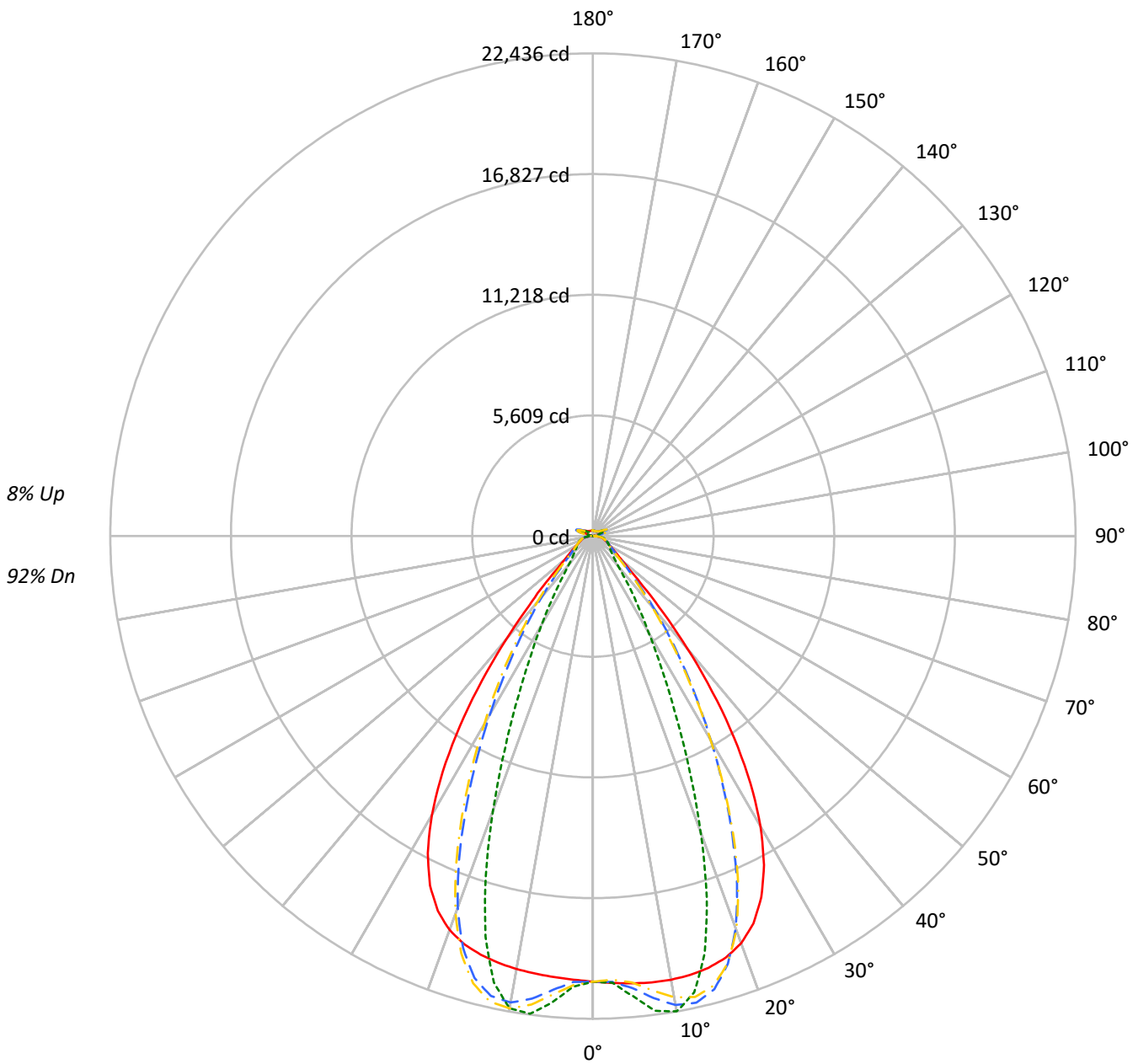
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25765.7 lumens  
Efficiency: N/A  
Efficacy: 183.8 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 0.77 / 0.88  
Luminous Opening: Vertical Cylinder (Dia: 1.71' x H: 0.1')  
CIE Type: Direct

Input Watts (W): 140.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P1444516  
CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL18

### Luminous Intensity Polar Plot



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



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

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

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

	0°	90°	180°	270°
0°	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	7.9
10°-20°	5741.5	22.3
20°-30°	6539.1	25.4
30°-40°	4700.0	18.2
40°-50°	2167.6	8.4
50°-60°	1037.3	4.0
60°-70°	756.9	2.9
70°-80°	575.0	2.2
80°-90°	264.7	1.0
90°-100°	55.5	0.2
100°-110°	318.0	1.2
110°-120°	587.4	2.3
120°-130°	359.7	1.4
130°-140°	231.7	0.9
140°-150°	172.3	0.7
150°-160°	120.3	0.5
160°-170°	72.7	0.3
170°-180°	24.9	0.1
0°-30°	14321.6	55.6
0°-40°	19021.7	73.8
0°-60°	22226.6	86.3
0°-90°	23823.2	92.5
90°-120°	960.9	3.7
90°-150°	1724.6	6.7
90°-180°	1942.0	7.5
0°-180°	25765.7	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°	70	89	21	26	70	44
95°	25	28	25	28	25	24
105°	115	148	77	148	115	152
115°	512	621	537	621	512	473
125°	386	404	437	405	386	352
135°	304	269	328	272	304	238
145°	271	263	288	266	271	171
155°	254	254	270	257	254	118
165°	253	253	263	254	253	72
175°	260	262	264	262	260	25
180°	263	263	263	263	263	



TEST NUMBER: P1444516  
 CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL18

**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°	70.4	74.3	75.7	80.2	81.6	85.7	86.9	91.4	92.9	97.5	99.8
92.5°	22.4	23.9	25.2	26.8	28.2	30.2	31.8	33.4	34.9	36.7	39.7
95°	25.3	27.0	28.6	30.3	31.9	33.6	35.3	36.9	38.6	40.2	45.1
97.5°	31.8	33.3	34.7	36.1	37.5	39.0	40.4	41.8	43.2	44.6	50.3
100°	41.3	42.6	43.7	45.0	46.2	47.4	48.6	49.8	51.0	52.3	62.8
102.5°	68.0	72.2	76.6	80.9	85.1	89.5	93.8	98.0	102.4	106.7	129.3
105°	114.7	126.3	138.2	149.7	161.4	173.2	184.9	196.3	208.1	219.8	256.7
107.5°	195.4	217.0	238.6	260.3	282.0	303.5	325.1	346.7	368.3	389.8	427.2
110°	360.1	377.4	394.8	412.2	429.6	447.0	464.4	481.5	499.0	516.3	543.6



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**CANDELA DISTRIBUTION (continued):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	485.3	493.1	501.0	508.9	516.7	524.5	532.3	540.2	548.0	555.7	575.3
115°	512.4	515.3	518.0	520.6	523.5	526.0	528.8	531.4	534.2	536.7	550.0
117.5°	498.4	497.8	497.3	496.8	496.2	495.7	495.0	494.4	493.7	493.1	500.5
120°	465.6	463.1	460.8	458.2	455.7	453.1	450.7	448.2	445.5	442.8	446.0
122.5°	424.2	421.3	418.5	415.4	412.5	409.3	406.4	403.1	400.1	397.0	398.1
125°	386.1	383.1	380.2	377.1	374.0	370.9	367.8	364.6	361.5	358.2	358.8
127.5°	353.0	351.0	349.0	346.5	344.4	342.1	339.9	337.3	335.2	332.7	332.8
130°	332.2	330.3	328.4	326.3	324.2	322.1	320.0	317.6	315.6	313.3	313.5
132.5°	315.3	314.1	312.6	311.1	309.6	307.8	306.2	304.4	302.7	301.1	301.3
135°	304.4	303.0	301.8	300.5	299.0	297.3	295.7	294.1	292.5	290.8	291.2
137.5°	295.2	294.1	292.9	291.6	290.2	288.6	287.2	285.6	284.1	282.5	282.7
140°	286.9	285.8	284.7	283.4	282.2	280.9	279.4	278.0	276.6	275.1	275.5
142.5°	277.3	276.3	275.6	274.5	273.5	272.3	271.2	269.8	268.8	267.5	268.2
145°	271.3	270.6	269.8	269.0	268.0	266.9	266.0	264.8	263.8	262.8	263.5
147.5°	266.1	265.5	264.9	264.1	263.4	262.5	261.7	260.6	259.9	259.0	259.8
150°	261.4	260.9	260.4	259.7	259.0	258.1	257.3	256.5	255.6	254.7	255.6
152.5°	256.6	256.0	255.4	254.8	254.1	253.2	252.6	251.7	250.8	250.1	250.7
155°	253.8	253.3	252.7	252.0	251.4	250.6	250.0	249.1	248.4	247.6	248.1
157.5°	252.5	251.9	251.5	250.9	250.5	249.8	249.2	248.6	248.0	247.4	247.7
160°	252.4	251.9	251.5	250.8	250.3	249.7	249.2	248.4	248.0	247.4	247.6
162.5°	252.4	251.9	251.4	250.8	250.4	249.6	249.1	248.6	248.1	247.5	247.9
165°	253.3	252.9	252.5	252.2	251.8	251.4	251.0	250.5	250.2	249.7	250.0
167.5°	256.1	255.6	255.3	254.8	254.3	253.7	253.4	252.9	252.5	251.9	252.2
170°	257.4	257.0	256.8	256.6	256.3	256.0	255.7	255.4	255.1	254.8	255.0
172.5°	259.1	258.8	258.6	258.5	258.2	258.0	257.8	257.5	257.4	257.0	257.5
175°	259.5	259.2	259.1	259.0	258.8	258.7	258.6	258.4	258.4	258.2	258.3
177.5°	261.2	261.1	261.1	261.1	261.1	261.0	260.9	260.7	260.7	260.7	260.8
180°	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8



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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°	105.0	107.6	112.7	113.7	117.3	117.8	97.3	95.6	93.0	93.2	89.9
92.5°	42.9	45.8	48.8	51.8	54.8	57.9	58.4	60.7	57.8	54.5	51.8
95°	49.9	54.8	59.6	64.6	69.4	74.3	79.1	84.0	79.4	74.9	70.3
97.5°	56.0	61.9	67.6	73.3	79.0	84.8	90.6	96.3	91.4	86.4	81.5
100°	73.6	84.3	94.9	105.6	116.3	126.9	137.7	148.4	138.9	129.4	120.1
102.5°	151.8	174.6	197.3	220.0	242.7	265.5	288.3	311.1	289.4	267.7	246.1
105°	293.5	330.3	367.0	403.7	440.5	477.2	514.4	551.1	516.6	482.0	447.6
107.5°	464.4	501.8	539.0	576.2	613.6	650.9	688.5	725.9	692.2	658.5	624.8
110°	570.8	598.0	625.3	652.4	679.6	706.8	734.5	761.7	741.5	721.2	700.8



TEST NUMBER: P1444516  
 CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL18

**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	594.6	614.1	633.5	652.8	672.1	691.6	711.7	731.3	721.1	710.7	700.6
115°	563.0	576.1	589.0	602.1	615.2	628.1	642.1	655.4	652.0	648.6	645.4
117.5°	507.7	515.0	522.2	529.5	536.6	544.0	552.2	559.7	560.1	560.5	561.0
120°	449.0	452.0	454.9	458.0	461.0	463.9	468.2	471.4	474.0	476.7	479.3
122.5°	399.2	400.3	401.3	402.3	403.3	404.3	406.9	408.3	410.0	411.8	413.5
125°	359.1	359.7	360.1	360.5	360.8	361.4	363.5	364.2	364.3	364.2	364.2
127.5°	332.7	332.7	332.7	332.6	332.4	332.5	334.1	334.5	333.3	331.9	330.6
130°	313.6	313.8	313.9	314.1	314.2	314.4	316.4	317.1	314.8	312.6	310.4
132.5°	301.5	301.6	301.8	302.2	302.4	302.6	304.9	305.6	303.3	300.6	298.1
135°	291.4	291.9	292.1	292.3	292.6	293.2	295.7	296.6	294.3	291.8	289.3
137.5°	282.9	283.4	283.7	284.1	284.4	284.9	287.8	288.7	286.7	284.7	282.8
140°	276.0	276.3	276.9	277.4	277.9	278.5	281.7	282.7	281.3	279.6	278.1
142.5°	268.7	269.6	270.3	271.1	271.8	272.8	276.2	277.7	276.5	275.3	274.2
145°	264.3	265.3	266.2	267.0	267.9	269.0	273.0	274.8	274.1	273.1	272.4
147.5°	260.2	261.1	262.0	262.8	263.6	264.8	269.0	270.6	270.2	269.7	269.1
150°	256.2	257.0	257.9	258.8	259.9	260.9	265.6	267.5	267.1	266.6	266.2
152.5°	251.4	252.2	252.9	253.7	254.5	255.6	261.2	263.3	262.9	262.4	262.1
155°	248.6	249.3	249.8	250.5	251.0	251.9	257.9	259.9	259.7	259.4	259.1
157.5°	248.1	248.4	248.7	249.2	249.7	250.2	256.5	258.4	258.1	257.9	257.6
160°	247.9	248.2	248.4	248.7	249.0	249.4	255.9	257.7	257.5	257.2	256.9
162.5°	248.2	248.8	249.1	249.4	249.8	250.4	256.9	259.0	258.5	258.2	257.9
165°	250.2	250.3	250.5	250.8	251.0	251.2	257.3	259.1	259.0	258.7	258.4
167.5°	252.3	252.7	252.9	253.2	253.4	253.8	259.5	261.1	260.9	260.6	260.5
170°	255.1	255.5	255.5	255.9	256.1	256.5	261.2	262.6	262.5	262.0	261.8
172.5°	257.6	258.1	258.3	258.6	258.9	259.3	263.3	264.6	264.4	264.2	263.8
175°	258.6	258.8	259.1	259.4	259.7	260.0	263.2	264.0	263.9	263.8	263.6
177.5°	261.1	261.2	261.4	261.7	261.9	262.1	264.1	264.6	264.6	264.6	264.5
180°	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8



TEST NUMBER: P1444516  
 CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL18

**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°	89.2	85.8	86.5	84.9	86.8	85.1	87.0	85.0	87.5	87.1	90.3
92.5°	48.3	45.6	42.2	39.3	36.0	33.3	31.4	30.3	28.6	27.5	25.7
95°	65.7	61.3	56.7	52.2	47.7	43.1	41.5	39.9	38.2	36.6	34.8
97.5°	76.7	71.8	66.9	62.0	57.1	52.3	51.2	50.0	49.0	47.9	46.7
100°	110.6	101.2	91.8	82.4	73.0	63.6	62.7	61.9	61.0	60.1	59.1
102.5°	224.6	202.9	181.4	159.8	138.3	116.6	112.9	109.2	105.4	101.6	97.9
105°	413.0	378.3	343.8	309.4	274.9	240.4	230.1	219.6	209.3	199.1	188.9
107.5°	591.1	557.3	523.7	490.0	456.4	422.8	406.6	390.3	373.9	357.6	341.4
110°	680.5	660.2	640.1	619.7	599.6	579.4	563.8	548.3	532.8	517.2	501.8



TEST NUMBER: P1444516  
 CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL18

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	690.4	680.3	670.0	659.9	649.7	639.7	632.1	624.4	617.0	609.3	601.6
115°	642.0	638.7	635.3	632.2	629.0	625.7	625.0	624.5	623.9	623.4	622.8
117.5°	561.5	562.1	562.5	563.1	563.6	564.1	568.1	572.1	576.1	580.2	584.4
120°	481.9	484.4	486.9	489.7	492.4	495.1	500.3	505.7	511.0	516.5	522.0
122.5°	415.3	416.9	418.7	420.5	422.4	424.2	429.3	434.7	439.9	445.3	450.9
125°	364.0	364.0	363.9	363.7	363.7	363.8	368.1	372.3	376.7	381.2	385.4
127.5°	329.3	327.8	326.5	325.3	323.9	322.6	325.0	327.4	330.0	332.6	335.1
130°	308.0	305.9	303.5	301.4	298.9	296.8	297.7	298.5	299.4	300.4	301.4
132.5°	295.4	292.8	290.2	287.7	285.0	282.4	282.2	282.0	281.8	281.7	281.7
135°	286.8	284.5	281.9	279.3	276.7	274.4	273.6	272.9	272.1	271.5	270.7
137.5°	280.8	278.9	276.8	274.8	272.8	270.7	269.6	268.7	267.6	266.8	266.0
140°	276.4	274.8	273.0	271.5	269.7	268.2	267.2	266.5	265.6	264.9	264.1
142.5°	272.9	271.7	270.3	269.3	268.0	266.7	265.9	265.0	264.2	263.5	262.8
145°	271.5	270.7	269.8	269.0	268.0	267.3	266.5	266.0	265.3	264.8	264.2
147.5°	268.6	268.0	267.4	266.7	266.2	265.6	265.0	264.7	264.1	263.8	263.3
150°	265.7	265.1	264.5	264.1	263.4	263.0	262.7	262.4	262.0	261.9	261.6
152.5°	261.5	261.0	260.5	260.1	259.6	259.1	258.8	258.6	258.3	258.1	257.8
155°	258.7	258.4	258.0	257.7	257.2	257.0	256.7	256.3	256.0	255.6	255.2
157.5°	257.3	257.0	256.7	256.5	256.0	255.7	255.4	255.1	254.7	254.4	254.0
160°	256.7	256.5	256.1	255.8	255.5	255.2	254.7	254.3	253.8	253.6	253.0
162.5°	257.5	256.9	256.7	256.3	255.8	255.5	255.1	254.7	254.4	254.1	253.7
165°	258.1	257.8	257.5	257.2	256.9	256.7	256.2	255.9	255.3	254.9	254.4
167.5°	260.1	260.0	259.7	259.5	259.1	258.7	258.4	258.0	257.6	257.2	256.7
170°	261.5	261.0	260.7	260.3	260.1	259.7	259.3	258.9	258.5	258.2	257.6
172.5°	263.6	263.3	263.0	262.8	262.4	262.1	261.8	261.5	261.2	260.8	260.5
175°	263.5	263.5	263.4	263.2	263.2	263.0	262.8	262.8	262.6	262.5	262.3
177.5°	264.5	264.4	264.4	264.3	264.2	264.2	264.0	263.9	263.6	263.4	263.3
180°	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8



TEST NUMBER: P1444516  
 CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL18

**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°	89.1	91.1	88.5	88.7	87.0	88.0	84.6	84.1	78.6	77.2	72.5
92.5°	24.4	22.9	21.4	20.0	21.8	22.9	24.6	25.7	27.4	28.6	30.3
95°	33.2	31.5	29.9	28.2	29.6	30.8	32.2	33.5	34.8	36.2	37.5
97.5°	45.7	44.6	43.4	42.4	43.1	43.9	44.7	45.5	46.2	46.9	47.8
100°	58.3	57.4	56.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
102.5°	94.2	90.4	86.7	82.9	85.4	87.9	90.5	93.0	95.6	98.1	100.7
105°	178.6	168.3	158.0	147.8	157.7	167.6	177.5	187.5	197.4	207.6	217.5
107.5°	325.0	308.8	292.5	276.3	294.6	312.7	330.7	348.9	367.0	385.1	403.4
110°	486.3	470.8	455.3	439.9	459.1	478.3	497.5	516.7	536.1	555.3	574.6



TEST NUMBER: P1444516  
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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°	594.1	586.6	579.1	571.6	584.0	596.3	608.7	621.2	633.6	646.1	658.5
115°	622.3	621.8	621.4	620.9	626.8	632.7	638.5	644.4	650.4	656.2	662.3
117.5°	588.4	592.4	596.7	600.9	602.7	604.7	606.6	608.4	610.6	612.5	614.4
120°	527.6	533.0	538.6	544.2	543.5	542.7	541.9	541.1	540.8	540.1	539.6
122.5°	456.3	461.8	467.5	473.0	471.3	469.7	468.1	466.6	465.0	463.6	462.1
125°	390.2	394.6	399.4	404.0	402.4	400.7	399.2	397.7	396.2	394.7	393.5
127.5°	337.9	340.7	343.4	346.3	345.6	344.8	344.3	343.5	343.1	342.7	342.3
130°	302.5	303.7	305.0	306.2	306.4	306.6	307.2	307.5	308.0	308.4	309.2
132.5°	281.9	282.0	282.2	282.5	283.3	284.2	285.3	286.3	287.7	288.8	290.3
135°	270.3	269.9	269.6	269.4	270.7	271.9	273.4	274.9	276.5	278.3	280.1
137.5°	265.3	264.6	264.0	263.4	264.8	266.1	267.5	269.1	270.6	272.4	274.3
140°	263.5	262.9	262.6	262.1	263.4	264.6	266.1	267.6	269.2	270.9	272.8
142.5°	262.3	261.6	261.1	260.8	261.9	263.1	264.5	265.8	267.3	268.8	270.4
145°	263.7	263.3	263.0	262.7	263.4	264.3	265.3	266.3	267.5	268.5	269.8
147.5°	263.1	262.8	262.6	262.4	263.1	263.6	264.4	265.1	265.9	266.7	267.7
150°	261.5	261.2	261.1	261.0	261.4	261.8	262.3	262.7	263.3	263.7	264.5
152.5°	257.8	257.5	257.5	257.4	257.7	258.0	258.5	258.8	259.4	259.8	260.5
155°	255.1	254.9	254.6	254.4	254.4	254.6	254.8	254.8	255.2	255.3	255.6
157.5°	253.9	253.7	253.5	253.2	253.1	253.0	253.0	252.9	253.1	253.0	253.1
160°	252.7	252.2	251.9	251.6	251.6	251.5	251.7	251.6	251.7	251.8	252.0
162.5°	253.6	253.3	253.0	252.7	252.5	252.2	252.1	251.8	251.6	251.4	251.4
165°	254.0	253.6	253.3	252.8	252.7	252.6	252.5	252.4	252.3	252.2	252.3
167.5°	256.4	255.9	255.6	255.2	254.9	254.5	254.3	254.0	253.7	253.4	253.3
170°	257.4	257.0	256.8	256.5	256.3	256.1	256.0	255.8	255.7	255.6	255.6
172.5°	260.2	260.0	259.7	259.5	259.3	259.1	259.1	259.0	258.8	258.8	258.8
175°	262.2	262.1	262.0	261.8	261.6	261.5	261.3	261.2	261.1	260.9	260.7
177.5°	263.2	262.9	262.8	262.7	262.6	262.6	262.6	262.6	262.6	262.5	262.5
180°	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8



TEST NUMBER: P1444516  
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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°	72.1	68.1	68.3	65.5	66.5	64.4	66.0	64.9	67.0	65.7	68.1
92.5°	31.4	32.9	35.5	38.4	40.8	43.4	46.2	49.0	51.4	54.3	56.7
95°	38.8	40.1	43.6	47.2	50.7	54.3	57.9	61.5	65.0	68.6	72.0
97.5°	48.6	49.4	52.8	56.4	59.9	63.5	67.0	70.8	74.3	77.9	81.4
100°	55.7	55.8	65.8	75.8	85.9	96.1	106.1	116.2	126.3	136.3	146.4
102.5°	103.3	105.8	131.2	156.7	182.1	207.5	232.9	258.4	283.8	309.4	334.9
105°	227.5	237.5	276.2	315.0	353.7	392.6	431.5	470.5	509.1	548.0	586.9
107.5°	421.5	439.6	474.7	509.8	544.8	580.0	615.1	650.2	685.3	720.4	755.7
110°	593.8	613.1	636.6	660.1	683.7	707.2	730.7	754.4	777.9	801.6	825.2



TEST NUMBER: P1444516  
 CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL18

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	670.8	683.4	697.1	710.8	724.6	738.4	752.1	765.9	779.8	793.6	807.5
115°	668.3	674.3	679.6	685.0	690.4	695.8	701.3	706.9	712.5	717.9	723.5
117.5°	616.5	618.6	619.5	620.5	621.3	622.5	623.4	624.5	625.7	626.8	627.8
120°	538.9	538.4	537.7	536.9	536.1	535.4	534.8	534.1	533.6	532.9	532.3
122.5°	460.7	459.4	458.7	458.0	457.4	456.9	456.2	455.8	455.3	454.8	454.3
125°	392.1	391.0	391.9	392.8	393.9	394.8	395.9	397.1	398.1	399.2	400.4
127.5°	341.8	341.6	343.7	346.1	348.3	350.6	352.9	355.4	357.6	360.1	362.3
130°	309.8	310.6	313.4	316.3	319.1	322.1	325.1	328.1	330.9	333.9	336.8
132.5°	291.6	293.1	295.7	298.5	301.4	304.3	307.1	310.0	312.9	315.8	318.5
135°	281.9	283.9	286.3	289.0	291.6	294.3	296.9	299.6	302.0	304.8	307.3
137.5°	276.0	278.0	280.1	282.3	284.3	286.6	288.7	290.9	292.9	295.2	297.3
140°	274.5	276.4	277.6	279.1	280.3	281.7	282.8	284.3	285.5	286.9	288.1
142.5°	272.0	273.9	274.6	275.6	276.4	277.6	278.4	279.3	280.1	281.1	281.8
145°	271.0	272.5	272.7	272.9	273.1	273.4	273.5	273.9	274.0	274.2	274.4
147.5°	268.7	269.7	269.7	269.7	269.8	269.7	269.8	269.8	269.8	269.8	269.8
150°	265.1	265.9	265.6	265.6	265.2	265.1	264.8	264.7	264.4	264.3	263.9
152.5°	260.9	261.6	261.1	261.0	260.6	260.4	260.0	259.9	259.4	259.2	258.9
155°	255.8	256.1	255.9	255.7	255.5	255.3	255.0	255.1	255.0	254.7	254.7
157.5°	253.1	253.1	253.0	252.9	252.8	252.7	252.5	252.5	252.5	252.6	252.7
160°	251.9	252.1	251.9	251.8	251.7	251.6	251.4	251.4	251.4	251.6	251.7
162.5°	251.1	251.0	250.9	250.8	250.7	250.6	250.5	250.7	250.6	250.8	250.9
165°	252.3	252.4	252.1	251.9	251.7	251.6	251.4	251.4	251.4	251.3	251.4
167.5°	253.2	253.1	253.1	253.1	253.1	253.2	253.3	253.6	253.7	253.9	254.0
170°	255.5	255.6	255.4	255.4	255.2	255.2	255.2	255.1	255.1	255.2	255.1
172.5°	258.8	258.8	258.6	258.3	258.1	257.9	257.6	257.6	257.4	257.2	257.0
175°	260.5	260.4	260.3	260.2	260.1	260.0	259.8	259.6	259.5	259.4	259.3
177.5°	262.4	262.2	262.1	262.1	262.1	262.0	262.0	261.9	261.9	261.9	261.7
180°	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8



TEST NUMBER: P1444516  
 CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL18

**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°	63.1	61.6	56.9	55.5	50.8	48.2	43.0	40.8	36.0	34.9	31.8
92.5°	53.7	50.8	48.0	44.8	42.1	39.1	36.1	33.2	30.2	29.0	28.1
95°	67.8	63.4	59.1	54.8	50.5	46.2	42.0	37.6	33.4	32.5	31.6
97.5°	76.3	71.2	66.1	61.2	56.0	51.0	46.1	40.9	35.9	35.3	34.8
100°	134.8	123.1	111.5	99.8	88.1	76.4	64.8	53.0	41.4	40.7	40.0
102.5°	306.5	278.2	249.9	221.6	193.4	165.0	136.6	108.3	80.0	75.9	71.8
105°	544.1	501.2	458.4	415.6	372.7	329.8	287.0	244.1	201.2	187.4	173.6
107.5°	715.4	675.0	634.9	594.7	554.3	514.1	473.9	433.5	393.2	368.8	344.7
110°	793.3	761.2	729.4	697.5	665.5	633.6	601.6	569.7	537.8	516.8	496.1



TEST NUMBER: P1444516  
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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°	784.1	760.8	737.5	714.0	690.8	667.3	643.9	620.5	597.0	584.4	571.8
115°	709.6	695.5	681.5	667.5	653.4	639.4	625.4	611.2	597.1	590.4	583.8
117.5°	620.8	613.7	606.7	599.5	592.4	585.2	578.1	570.8	563.6	561.4	559.2
120°	530.5	528.4	526.2	524.2	522.0	520.0	517.8	515.6	513.4	513.8	514.2
122.5°	455.3	456.3	457.4	458.1	459.2	460.0	461.1	461.8	462.7	464.6	466.6
125°	402.6	404.8	407.0	409.3	411.4	413.6	415.9	417.9	420.2	422.1	424.1
127.5°	365.0	367.5	370.0	372.5	375.0	377.5	380.0	382.3	384.8	386.5	388.4
130°	339.2	341.2	343.5	345.7	347.9	350.0	352.2	354.4	356.5	358.0	359.4
132.5°	320.6	322.5	324.5	326.5	328.5	330.3	332.5	334.3	336.5	337.5	338.7
135°	308.9	310.4	311.9	313.3	315.0	316.5	318.0	319.6	321.2	322.0	322.9
137.5°	298.5	299.8	301.1	302.2	303.6	304.8	306.2	307.5	309.0	309.4	310.2
140°	289.4	290.7	292.0	293.3	294.8	296.0	297.6	299.0	300.5	301.1	301.6
142.5°	282.9	283.8	284.9	285.9	287.1	288.1	289.3	290.6	291.9	292.4	293.0
145°	275.7	276.8	278.0	279.2	280.4	281.8	283.2	284.6	286.0	286.4	286.8
147.5°	270.8	271.8	272.9	274.0	275.0	276.1	277.5	278.7	280.0	280.4	280.7
150°	265.1	266.2	267.2	268.3	269.6	270.8	272.1	273.4	275.0	275.5	276.0
152.5°	260.1	261.1	262.3	263.5	264.9	266.3	267.7	269.1	270.5	271.0	271.6
155°	255.9	256.9	258.2	259.5	260.8	262.1	263.4	264.8	266.2	266.8	267.3
157.5°	253.7	254.7	255.9	257.0	258.2	259.4	260.6	261.8	263.2	263.5	264.0
160°	252.7	253.6	254.5	255.6	256.7	257.7	258.8	259.9	261.0	261.4	261.9
162.5°	251.9	252.9	253.8	254.8	256.0	256.9	258.0	259.0	260.1	260.5	261.0
165°	252.2	252.9	253.7	254.3	255.2	255.9	256.8	257.5	258.4	258.8	259.4
167.5°	254.7	255.2	255.8	256.4	257.0	257.7	258.4	259.0	259.7	260.1	260.4
170°	255.7	256.2	256.7	257.2	257.8	258.4	258.9	259.5	260.1	260.4	260.9
172.5°	257.3	257.6	258.1	258.3	258.8	259.1	259.5	260.0	260.2	260.7	261.0
175°	259.5	259.6	259.8	259.9	260.1	260.3	260.5	260.8	261.0	261.2	261.6
177.5°	261.8	261.9	262.1	262.2	262.5	262.6	262.9	263.0	263.2	263.4	263.8
180°	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8



TEST NUMBER: P1444516  
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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°	31.0	28.2	27.5	24.9	24.0	22.1	21.4	21.6	22.3	22.6	23.3
92.5°	27.1	26.2	25.1	24.1	23.2	22.1	21.1	22.1	23.2	24.1	25.1
95°	30.7	29.9	28.9	28.0	27.1	26.3	25.4	26.3	27.1	28.1	29.0
97.5°	34.2	33.6	33.2	32.6	32.0	31.5	30.9	31.6	32.1	32.7	33.3
100°	39.5	38.8	38.1	37.4	36.8	36.2	35.5	36.4	37.0	37.6	38.3
102.5°	67.8	63.7	59.6	55.6	51.4	47.3	43.2	47.3	51.4	55.7	59.7
105°	159.8	146.1	132.3	118.5	104.7	90.9	77.1	91.0	104.8	118.6	132.5
107.5°	320.4	296.3	272.0	247.8	223.4	199.3	174.9	199.3	223.5	247.8	272.1
110°	475.1	454.2	433.2	412.3	391.3	370.4	349.5	370.5	391.5	412.5	433.5



TEST NUMBER: P1444516  
 CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL18

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	559.1	546.4	533.6	521.0	508.2	495.5	482.7	495.7	508.5	521.4	534.1
115°	577.2	570.4	563.9	557.1	550.4	543.8	536.9	544.0	550.7	557.6	564.5
117.5°	556.8	554.5	552.3	550.0	547.5	545.2	542.8	545.4	547.9	550.6	553.1
120°	514.5	514.9	515.2	515.5	515.7	515.9	516.1	516.3	516.3	516.3	516.2
122.5°	468.3	470.3	472.0	473.9	475.5	477.2	478.9	477.5	476.1	474.8	473.2
125°	426.0	428.0	429.7	431.7	433.4	435.4	436.9	435.7	434.3	432.8	431.2
127.5°	390.2	391.9	393.6	395.4	397.0	398.6	400.0	399.0	397.7	396.6	395.2
130°	360.8	362.3	363.5	364.9	366.0	367.2	368.2	367.6	366.8	366.2	365.3
132.5°	339.8	340.9	342.1	343.1	343.9	344.8	345.5	345.3	344.9	344.5	343.9
135°	323.8	324.5	325.3	326.2	326.8	327.3	327.6	327.8	327.7	327.6	327.3
137.5°	310.6	311.2	311.6	312.0	312.3	312.5	312.7	313.1	313.3	313.8	313.7
140°	302.0	302.7	303.2	303.7	304.0	304.3	304.4	304.8	305.0	305.3	305.3
142.5°	293.4	294.0	294.5	295.1	295.2	295.5	295.6	296.0	296.2	296.5	296.6
145°	287.3	287.6	288.0	288.3	288.5	288.6	288.5	289.1	289.5	289.8	290.1
147.5°	281.2	281.6	281.8	282.0	282.2	282.3	282.3	282.7	283.1	283.4	283.8
150°	276.4	277.0	277.4	277.9	278.1	278.4	278.5	278.9	279.1	279.3	279.3
152.5°	272.1	272.5	272.9	273.1	273.5	273.7	273.9	274.2	274.6	274.8	274.9
155°	267.8	268.4	268.8	269.3	269.6	269.9	270.2	270.5	270.8	270.9	271.1
157.5°	264.5	265.0	265.4	265.9	266.2	266.6	266.9	267.3	267.6	267.9	268.0
160°	262.3	262.9	263.2	263.6	264.0	264.4	264.7	265.1	265.4	265.6	265.9
162.5°	261.4	261.9	262.1	262.6	263.0	263.3	263.6	264.0	264.3	264.6	264.8
165°	259.8	260.2	260.8	261.3	261.8	262.2	262.6	262.9	263.0	263.2	263.3
167.5°	260.8	261.3	261.8	262.3	262.6	263.1	263.4	263.6	263.8	263.9	264.0
170°	261.2	261.6	262.1	262.5	262.9	263.3	263.5	263.6	263.7	263.9	264.0
172.5°	261.5	262.0	262.4	262.9	263.3	263.7	264.0	264.2	264.1	264.0	263.8
175°	261.9	262.3	262.7	263.1	263.3	263.7	264.1	263.9	263.9	263.8	263.7
177.5°	264.2	264.7	265.2	265.5	265.8	266.2	266.5	266.3	266.0	265.8	265.5
180°	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8



TEST NUMBER: P1444516  
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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°	23.8	24.3	24.8	25.5	26.5	28.2	30.2	31.9	34.1	35.9	37.9
92.5°	26.2	27.2	28.2	29.3	30.3	33.3	36.2	39.2	42.3	45.1	48.1
95°	30.0	30.8	31.7	32.8	33.6	37.9	42.3	46.5	50.9	55.2	59.5
97.5°	33.8	34.4	35.0	35.5	36.2	41.2	46.3	51.4	56.4	61.6	66.5
100°	39.1	39.8	40.3	41.0	41.7	53.4	65.2	76.8	88.5	100.3	112.0
102.5°	63.9	68.0	72.1	76.3	80.4	108.8	137.1	165.5	193.8	222.1	250.5
105°	146.3	160.1	173.9	187.8	201.6	244.5	287.5	330.4	373.3	416.2	459.1
107.5°	296.5	320.8	345.2	369.4	393.8	434.2	474.5	514.8	555.2	595.6	635.8
110°	454.6	475.5	496.5	517.6	538.5	570.5	602.7	634.6	666.6	698.7	730.6



TEST NUMBER: P1444516  
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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°	547.1	559.8	572.6	585.2	598.0	621.5	645.1	668.6	692.1	715.4	738.9
115°	571.3	578.0	584.9	591.5	598.4	612.5	626.7	640.9	655.1	669.1	683.3
117.5°	555.5	557.9	560.4	562.7	565.1	572.4	579.6	586.9	594.3	601.5	608.7
120°	516.1	515.9	515.7	515.5	515.3	517.4	519.8	522.0	524.3	526.4	528.5
122.5°	471.7	469.9	468.4	466.7	464.9	464.1	463.3	462.4	461.7	460.9	460.1
125°	429.7	427.9	426.2	424.4	422.6	420.5	418.5	416.4	414.3	412.2	410.1
127.5°	394.0	392.3	391.0	389.2	387.7	385.2	382.9	380.5	378.2	375.7	373.3
130°	364.4	363.2	362.3	360.8	359.7	357.5	355.6	353.4	351.3	349.3	347.1
132.5°	343.2	342.5	341.7	340.7	339.9	337.8	336.2	334.1	332.3	330.3	328.6
135°	327.0	326.5	326.1	325.5	324.9	323.4	322.0	320.6	319.1	317.6	316.2
137.5°	313.8	313.5	313.4	313.1	312.8	311.5	310.4	309.2	308.0	306.8	305.6
140°	305.3	305.1	305.1	304.8	304.6	303.3	302.0	300.8	299.5	298.2	297.0
142.5°	296.5	296.4	296.4	296.1	295.9	294.9	294.1	293.0	292.0	291.0	290.1
145°	290.1	290.2	290.3	290.2	290.3	289.0	288.0	286.7	285.7	284.5	283.4
147.5°	284.0	284.1	284.2	284.3	284.4	283.3	282.5	281.5	280.6	279.6	278.9
150°	279.4	279.4	279.5	279.4	279.3	278.4	277.5	276.5	275.7	274.6	273.7
152.5°	275.1	275.2	275.3	275.3	275.4	274.5	273.5	272.5	271.5	270.4	269.5
155°	271.3	271.3	271.4	271.4	271.4	270.5	269.7	268.7	267.8	266.8	266.0
157.5°	268.2	268.3	268.5	268.6	268.7	267.9	267.1	266.4	265.6	264.7	263.9
160°	266.1	266.3	266.5	266.5	266.6	266.0	265.5	264.7	264.2	263.3	262.6
162.5°	265.1	265.3	265.5	265.6	265.7	265.0	264.5	263.9	263.3	262.4	261.7
165°	263.4	263.4	263.5	263.5	263.5	263.1	262.8	262.3	261.9	261.3	260.9
167.5°	264.1	264.1	264.2	264.2	264.2	263.9	263.8	263.4	263.1	262.8	262.4
170°	264.0	264.0	264.1	264.1	264.1	263.8	263.5	263.3	263.1	262.6	262.2
172.5°	263.9	263.8	263.6	263.6	263.5	263.3	263.1	262.9	262.8	262.5	262.3
175°	263.5	263.4	263.3	263.2	263.1	263.1	263.0	263.0	262.9	262.7	262.6
177.5°	265.2	265.0	264.7	264.4	264.2	264.1	264.1	263.9	263.9	263.8	263.7
180°	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8



TEST NUMBER: P1444516  
 CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL18

**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°	39.8	47.9	49.6	48.6	45.5	44.0	41.1	40.1	37.6	36.5	33.9
92.5°	51.1	54.0	57.0	54.4	51.7	49.1	46.4	43.6	41.1	38.4	35.8
95°	63.8	68.0	72.2	68.7	65.1	61.6	58.0	54.5	50.9	47.4	43.8
97.5°	71.6	76.6	81.5	78.1	74.5	70.9	67.3	63.8	60.2	56.6	53.0
100°	123.6	135.0	146.7	136.6	126.5	116.5	106.4	96.3	86.2	76.1	66.0
102.5°	278.8	306.9	335.1	309.6	284.1	258.7	233.3	207.8	182.4	156.8	131.4
105°	501.9	544.5	587.3	548.3	509.4	470.7	431.8	392.9	354.1	315.2	276.4
107.5°	676.0	715.9	756.0	720.8	685.7	650.6	615.4	580.3	545.1	510.0	474.9
110°	762.6	793.9	825.7	802.1	778.4	754.8	731.1	707.5	683.9	660.4	636.8



TEST NUMBER: P1444516  
 CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL18

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	762.3	784.8	808.0	794.0	780.3	766.4	752.6	738.7	725.0	711.1	697.4
115°	697.3	710.3	724.1	718.4	713.0	707.3	701.8	696.4	690.9	685.3	680.0
117.5°	615.9	621.8	628.6	627.4	626.4	625.1	624.0	623.0	622.0	620.9	620.0
120°	530.9	531.5	533.3	533.8	534.5	534.9	535.6	536.2	536.9	537.5	538.2
122.5°	459.1	456.7	455.3	455.7	456.3	456.7	457.2	457.8	458.3	458.8	459.5
125°	407.9	404.1	401.4	400.3	399.3	398.1	397.1	395.8	394.9	393.9	392.9
127.5°	371.0	366.6	363.8	361.5	359.1	356.7	354.3	351.9	349.6	347.2	345.1
130°	345.1	341.0	338.4	335.4	332.5	329.6	326.7	323.7	320.7	317.8	314.9
132.5°	326.6	322.7	320.3	317.4	314.7	311.7	309.0	306.1	303.3	300.3	297.7
135°	314.7	311.1	309.1	306.5	304.1	301.5	298.9	296.2	293.7	291.1	288.6
137.5°	304.5	300.9	299.1	297.0	295.1	292.9	290.9	288.8	286.7	284.4	282.5
140°	295.6	291.9	290.1	288.8	287.8	286.4	285.3	284.0	282.7	281.6	280.2
142.5°	289.0	285.5	283.9	283.1	282.4	281.6	280.8	280.0	279.2	278.2	277.3
145°	282.4	278.3	276.5	276.2	276.3	276.1	276.0	275.9	275.7	275.4	275.3
147.5°	277.8	273.6	272.0	272.0	272.2	272.1	272.4	272.3	272.5	272.4	272.6
150°	272.7	268.0	266.1	266.4	266.5	266.8	267.1	267.3	267.6	267.9	268.1
152.5°	268.4	262.8	260.6	260.9	261.3	261.6	261.9	262.3	262.7	263.2	263.4
155°	264.8	258.8	256.5	256.5	256.7	256.8	256.9	257.1	257.3	257.5	257.9
157.5°	263.0	256.7	254.4	254.2	254.2	254.2	254.3	254.5	254.6	254.7	254.9
160°	262.0	255.7	253.5	253.3	253.3	253.3	253.2	253.3	253.4	253.5	253.7
162.5°	261.0	254.8	252.7	252.5	252.4	252.3	252.3	252.3	252.4	252.4	252.6
165°	260.3	255.0	253.1	253.0	253.1	253.1	253.1	253.3	253.4	253.5	253.7
167.5°	261.9	257.0	255.7	255.4	255.2	254.9	254.9	254.6	254.6	254.5	254.5
170°	261.8	258.0	256.7	256.7	256.8	256.8	256.7	256.8	256.8	256.8	256.9
172.5°	262.0	259.2	258.2	258.4	258.7	258.8	259.0	259.2	259.4	259.6	259.9
175°	262.5	260.8	260.4	260.3	260.4	260.5	260.6	260.8	260.9	261.0	261.3
177.5°	263.6	263.2	262.9	262.9	262.9	262.9	262.9	262.9	262.9	263.0	263.0
180°	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8



TEST NUMBER: P1444516  
 CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL18

**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°	33.2	31.4	31.4	29.4	29.9	27.8	28.9	26.9	28.3	26.0	29.6
92.5°	33.1	31.7	30.2	28.9	27.3	26.0	24.4	23.1	21.6	20.2	21.6
95°	40.3	39.0	37.7	36.3	34.9	33.6	32.3	30.9	29.7	28.3	30.0
97.5°	49.5	48.8	48.0	47.2	46.4	45.8	45.0	44.2	43.4	42.7	43.7
100°	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	56.7
102.5°	105.9	103.4	100.8	98.3	95.8	93.2	90.7	88.1	85.6	83.1	86.9
105°	237.6	227.7	217.6	207.7	197.7	187.8	177.8	167.9	158.0	148.1	158.3
107.5°	439.9	421.7	403.5	385.4	367.2	349.1	330.9	312.9	294.8	276.6	292.8
110°	613.3	594.1	574.8	555.6	536.3	516.9	497.7	478.5	459.3	440.1	455.5



TEST NUMBER: P1444516  
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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°	683.7	671.1	658.7	646.2	633.7	621.3	609.0	596.6	584.3	571.9	579.3
115°	674.5	668.6	662.5	656.6	650.7	644.7	638.8	633.0	627.1	621.2	621.7
117.5°	619.0	617.0	614.8	612.8	610.9	608.8	606.9	605.0	603.1	601.3	597.1
120°	539.0	539.5	540.0	540.6	541.2	541.8	542.3	543.1	543.9	544.6	539.0
122.5°	460.1	461.4	462.7	464.2	465.6	467.2	468.6	470.3	471.9	473.6	467.9
125°	391.8	393.1	394.3	395.7	397.0	398.5	400.0	401.6	403.2	404.9	400.2
127.5°	342.8	343.1	343.3	343.8	344.2	344.7	345.4	346.1	346.8	347.7	344.7
130°	312.0	311.3	310.7	310.0	309.3	308.9	308.6	308.1	307.9	307.8	306.5
132.5°	294.8	293.4	292.0	290.6	289.3	288.2	287.0	286.1	285.2	284.4	284.0
135°	285.8	284.0	282.2	280.4	278.6	277.1	275.5	274.1	272.8	271.5	271.8
137.5°	280.3	278.5	276.5	274.8	273.0	271.6	269.9	268.5	267.2	266.0	266.5
140°	279.0	277.0	275.3	273.5	271.9	270.3	268.8	267.4	266.0	264.9	265.2
142.5°	276.5	275.0	273.2	271.7	270.1	268.7	267.4	266.2	264.8	263.7	264.1
145°	275.1	273.8	272.6	271.4	270.3	269.3	268.1	267.3	266.5	265.8	266.0
147.5°	272.5	271.6	270.5	269.7	268.7	268.1	267.3	266.7	266.1	265.5	265.6
150°	268.4	267.8	267.2	266.6	266.2	265.7	265.2	264.8	264.4	264.0	264.0
152.5°	263.8	263.3	262.8	262.3	261.9	261.4	261.0	260.7	260.4	260.1	260.1
155°	258.1	257.9	257.6	257.5	257.3	257.2	257.0	257.1	256.9	256.9	257.0
157.5°	255.0	255.1	255.0	255.1	255.1	255.1	255.0	255.3	255.2	255.5	255.6
160°	253.9	253.8	253.7	253.7	253.7	253.6	253.7	253.6	253.7	253.7	253.9
162.5°	252.7	252.9	253.0	253.2	253.4	253.6	253.7	254.0	254.2	254.5	254.7
165°	253.9	253.9	253.9	253.8	253.9	254.0	254.0	254.1	254.2	254.4	254.7
167.5°	254.4	254.6	254.6	254.8	254.9	255.3	255.5	255.8	256.1	256.5	256.8
170°	256.9	256.9	256.9	256.9	256.9	256.9	257.0	257.1	257.2	257.4	257.6
172.5°	260.0	260.0	259.9	260.0	259.9	260.0	260.0	260.1	260.1	260.1	260.2
175°	261.2	261.5	261.6	261.8	261.9	262.0	262.1	262.3	262.4	262.5	262.5
177.5°	263.0	263.1	263.1	263.1	263.1	263.2	263.2	263.2	263.2	263.1	263.2
180°	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8



TEST NUMBER: P1444516  
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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°	29.3	32.3	32.2	35.0	35.2	38.4	38.8	41.9	41.9	45.1	45.5
92.5°	23.1	24.4	25.9	27.3	28.8	30.2	31.6	33.1	36.2	39.1	42.4
95°	31.6	33.3	34.9	36.7	38.3	39.9	41.6	43.2	47.8	52.3	56.8
97.5°	44.9	46.0	47.0	48.2	49.3	50.3	51.5	52.6	57.4	62.2	67.1
100°	57.6	58.5	59.3	60.3	61.2	62.1	62.9	63.8	73.3	82.7	92.0
102.5°	90.6	94.3	98.1	101.8	105.6	109.4	113.1	116.8	138.5	160.0	181.5
105°	168.6	178.9	189.2	199.4	209.6	219.9	230.3	240.6	275.1	309.6	344.2
107.5°	309.1	325.3	341.6	357.9	374.2	390.5	406.8	423.0	456.7	490.3	524.0
110°	471.0	486.6	502.1	517.6	533.1	548.6	564.1	579.7	599.9	620.1	640.4



TEST NUMBER: P1444516  
 CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL18

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	586.9	594.4	602.0	609.6	617.3	624.8	632.5	640.1	650.2	660.4	670.5
115°	622.2	622.7	623.2	623.8	624.3	624.8	625.6	626.2	629.5	632.8	636.0
117.5°	592.9	588.9	584.8	580.6	576.6	572.8	568.7	564.9	564.3	563.7	563.3
120°	533.7	528.2	522.6	517.1	511.8	506.3	501.1	495.9	493.2	490.6	488.0
122.5°	462.5	457.1	451.6	446.1	440.9	435.6	430.4	425.3	423.5	421.7	419.9
125°	395.6	391.0	386.6	382.2	377.9	373.6	369.4	365.2	365.3	365.2	365.4
127.5°	342.0	339.3	336.6	334.0	331.5	329.0	326.7	324.2	325.7	327.1	328.4
130°	305.2	304.2	303.2	302.0	301.3	300.5	299.6	298.8	301.2	303.4	305.7
132.5°	284.0	283.8	283.9	283.8	284.1	284.2	284.6	284.7	287.3	289.9	292.5
135°	272.2	272.6	273.2	273.8	274.6	275.3	276.1	276.8	279.4	281.8	284.5
137.5°	267.2	267.8	268.6	269.4	270.4	271.3	272.5	273.3	275.4	277.3	279.3
140°	265.8	266.3	266.9	267.6	268.4	269.2	270.1	270.9	272.7	274.2	275.9
142.5°	264.8	265.2	265.8	266.5	267.3	267.9	268.9	269.5	270.8	272.0	273.2
145°	266.4	266.6	267.2	267.7	268.3	268.9	269.5	270.0	270.9	271.7	272.5
147.5°	265.9	266.2	266.5	266.8	267.3	267.7	268.1	268.5	269.2	269.7	270.2
150°	264.2	264.3	264.6	264.6	265.0	265.3	265.6	265.9	266.4	266.7	267.3
152.5°	260.3	260.4	260.6	260.6	260.9	261.1	261.3	261.6	262.1	262.5	263.0
155°	257.2	257.5	257.8	258.1	258.5	258.6	259.0	259.3	259.7	260.0	260.3
157.5°	255.9	256.1	256.5	256.6	256.9	257.2	257.5	257.7	258.1	258.4	258.7
160°	254.3	254.7	255.0	255.5	256.0	256.3	256.7	257.0	257.3	257.6	257.9
162.5°	255.1	255.4	255.7	255.9	256.2	256.6	256.8	257.0	257.5	257.8	258.3
165°	255.2	255.6	256.1	256.4	256.9	257.3	257.6	258.0	258.3	258.6	258.8
167.5°	257.1	257.3	257.8	258.3	258.7	259.0	259.4	259.8	260.1	260.1	260.5
170°	257.9	258.3	258.6	259.0	259.4	259.6	260.0	260.2	260.6	260.9	261.3
172.5°	260.4	260.7	261.0	261.2	261.5	261.8	262.1	262.3	262.6	262.9	263.1
175°	262.5	262.5	262.6	262.7	262.8	262.8	262.8	263.0	263.1	263.2	263.2
177.5°	263.3	263.4	263.5	263.6	263.7	263.9	264.0	264.1	264.1	264.1	264.1
180°	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8



TEST NUMBER: P1444516  
 CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL18

**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°	49.5	50.3	54.5	55.5	60.3	61.9	63.8	62.0	63.8	62.1	63.7
92.5°	45.3	48.5	51.6	54.7	57.8	61.0	58.0	55.2	52.3	49.5	46.5
95°	61.4	65.8	70.4	75.0	79.4	84.0	79.1	74.4	69.5	64.7	59.7
97.5°	71.9	76.9	81.7	86.6	91.5	96.4	90.7	84.9	79.1	73.5	67.8
100°	101.4	110.9	120.3	129.6	139.1	148.5	138.0	127.2	116.5	105.8	95.1
102.5°	203.2	224.9	246.5	268.0	289.5	311.2	288.5	266.0	243.2	220.4	197.7
105°	378.6	413.3	447.8	482.3	516.9	551.5	514.8	477.9	441.1	404.4	367.5
107.5°	557.7	591.4	625.2	658.8	692.5	726.2	689.0	651.7	614.4	577.1	539.8
110°	660.7	681.0	701.2	721.7	741.9	762.2	735.1	707.8	680.7	653.3	626.2



TEST NUMBER: P1444516  
 CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL18

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	680.8	691.0	701.1	711.4	721.6	731.9	712.4	693.1	673.6	654.2	634.7
115°	639.4	642.7	646.1	649.4	652.7	656.0	643.0	629.9	616.9	603.9	590.6
117.5°	562.9	562.4	561.8	561.6	561.0	560.6	553.4	546.1	538.8	531.5	524.2
120°	485.4	483.0	480.3	477.8	475.2	472.5	469.6	466.6	463.5	460.5	457.3
122.5°	418.2	416.6	414.9	413.2	411.3	409.5	408.4	407.4	406.2	405.1	403.9
125°	365.4	365.5	365.5	365.7	365.7	365.7	365.3	364.8	364.2	363.8	363.2
127.5°	329.7	331.1	332.4	333.6	334.9	336.3	336.2	336.3	336.2	336.2	336.1
130°	308.0	310.2	312.4	314.5	316.7	319.0	318.6	318.5	318.2	318.0	317.7
132.5°	295.1	297.7	300.2	302.8	305.2	307.8	307.4	307.2	306.7	306.5	306.1
135°	286.8	289.2	291.6	294.2	296.4	298.7	298.3	298.0	297.4	297.1	296.6
137.5°	281.3	283.3	285.2	287.2	288.9	290.9	290.4	290.0	289.4	289.1	288.7
140°	277.3	279.0	280.4	282.1	283.5	285.1	284.5	283.8	283.2	282.5	281.9
142.5°	274.4	275.7	276.7	277.9	279.0	280.2	279.2	278.3	277.4	276.5	275.7
145°	273.3	274.2	274.9	275.7	276.3	277.1	276.0	275.0	273.7	272.8	271.7
147.5°	270.7	271.3	271.6	272.3	272.6	273.1	272.0	271.0	269.9	268.9	267.8
150°	267.6	268.3	268.6	269.0	269.4	269.8	268.6	267.5	266.4	265.2	264.2
152.5°	263.3	263.8	264.1	264.5	264.8	265.2	263.9	263.2	261.9	260.8	259.8
155°	260.4	260.8	261.0	261.3	261.4	261.6	260.6	260.0	258.9	258.0	257.0
157.5°	258.9	259.2	259.5	259.6	259.8	260.0	259.3	258.7	257.9	257.2	256.5
160°	258.1	258.4	258.6	258.8	259.0	259.1	258.5	258.0	257.4	256.8	256.2
162.5°	258.5	259.0	259.3	259.6	259.9	260.1	259.4	258.8	258.1	257.3	256.7
165°	259.1	259.3	259.5	259.8	259.8	260.1	259.6	259.1	258.6	258.2	257.6
167.5°	260.6	260.9	261.1	261.3	261.4	261.6	261.1	260.8	260.2	259.8	259.3
170°	261.5	261.8	262.2	262.4	262.6	262.8	262.4	262.1	261.6	261.3	260.8
172.5°	263.3	263.6	263.7	264.0	264.1	264.4	263.9	263.5	263.2	262.8	262.3
175°	263.2	263.3	263.4	263.4	263.4	263.5	263.3	262.9	262.6	262.2	261.9
177.5°	264.1	264.1	264.1	264.0	264.0	264.0	263.8	263.5	263.3	263.2	262.8
180°	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8



TEST NUMBER: P1444516  
 CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL18

**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°	62.1	64.1	62.3	64.5	63.8	66.6	66.4	69.2	68.6	71.0	69.7
92.5°	43.7	40.8	38.1	35.1	33.6	32.0	31.0	29.2	27.9	26.3	24.9
95°	54.9	50.0	45.2	40.3	38.7	36.9	35.3	33.6	31.9	30.3	28.6
97.5°	62.1	56.2	50.5	44.8	43.3	41.9	40.4	39.0	37.5	36.1	34.7
100°	84.4	73.7	63.0	52.3	51.0	49.8	48.6	47.4	46.2	45.0	43.7
102.5°	175.0	152.2	129.5	106.8	102.5	98.1	93.9	89.5	85.1	80.9	76.6
105°	330.7	293.9	256.9	220.1	208.4	196.6	185.0	173.3	161.5	149.8	138.2
107.5°	502.5	465.0	427.6	390.2	368.6	347.0	325.3	303.6	282.1	260.3	238.6
110°	598.9	571.6	544.2	516.9	499.6	482.2	464.7	447.3	430.0	412.5	395.0



TEST NUMBER: P1444516  
 CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL18

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	615.2	595.7	576.2	556.6	548.8	540.9	533.0	525.0	517.2	509.1	501.3
115°	577.5	564.4	551.2	537.8	535.2	532.5	529.7	526.8	524.2	521.3	518.4
117.5°	516.9	509.5	502.2	494.7	495.2	495.7	496.3	496.7	497.0	497.4	497.8
120°	454.2	451.1	448.0	444.9	447.4	449.8	452.2	454.5	456.9	459.1	461.3
122.5°	402.9	401.6	400.6	399.2	402.2	405.3	408.1	410.9	413.8	416.5	419.2
125°	362.7	362.1	361.6	360.9	364.0	367.0	369.9	372.7	375.6	378.2	381.0
127.5°	336.1	336.0	336.0	335.8	338.1	340.0	342.3	344.2	346.3	348.0	349.8
130°	317.6	317.3	317.1	316.8	318.7	320.7	322.7	324.4	326.3	327.8	329.5
132.5°	305.8	305.4	305.1	304.8	306.3	307.7	309.1	310.3	311.6	312.6	313.7
135°	296.3	295.6	295.3	294.8	296.2	297.6	298.8	299.9	301.2	302.0	303.0
137.5°	288.3	287.7	287.2	286.7	288.0	289.1	290.3	291.4	292.3	293.3	294.1
140°	281.4	280.7	280.1	279.4	280.6	281.7	282.7	283.6	284.5	285.2	285.9
142.5°	274.8	273.7	273.0	272.0	272.9	273.5	274.4	275.0	275.7	276.1	276.6
145°	270.6	269.5	268.4	267.3	267.9	268.5	269.1	269.7	270.0	270.4	270.8
147.5°	266.8	265.7	264.6	263.4	264.0	264.4	264.8	265.1	265.6	265.8	266.1
150°	263.0	261.7	260.6	259.4	259.8	260.1	260.4	260.7	261.0	261.1	261.4
152.5°	258.6	257.4	256.4	255.1	255.4	255.7	255.9	256.0	256.3	256.4	256.5
155°	256.2	255.1	254.1	253.1	253.4	253.5	253.7	253.8	253.8	253.8	254.0
157.5°	255.7	254.8	254.1	253.3	253.3	253.3	253.3	253.1	253.2	253.1	253.0
160°	255.6	254.8	254.1	253.4	253.3	253.3	253.4	253.2	253.1	252.9	252.9
162.5°	255.9	255.1	254.3	253.5	253.4	253.5	253.4	253.2	253.2	253.0	252.9
165°	257.1	256.6	256.0	255.2	255.1	255.0	254.9	254.6	254.4	254.1	253.9
167.5°	258.7	258.1	257.5	256.8	256.9	256.9	256.8	256.7	256.7	256.5	256.4
170°	260.4	259.9	259.5	258.9	258.8	258.7	258.6	258.4	258.2	258.0	257.8
172.5°	261.8	261.3	260.9	260.2	260.2	260.1	260.1	260.0	259.7	259.6	259.5
175°	261.4	261.1	260.5	260.2	260.1	260.1	260.1	260.0	259.8	259.8	259.6
177.5°	262.6	262.4	262.0	261.8	261.7	261.7	261.6	261.5	261.5	261.5	261.4
180°	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8	262.8



TEST NUMBER: P1444516  
 CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL18

**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°	71.9	70.4
92.5°	23.7	22.4
95°	27.0	25.3
97.5°	33.3	31.8
100°	42.6	41.3
102.5°	72.2	68.0
105°	126.4	114.7
107.5°	217.0	195.4
110°	377.6	360.1



TEST NUMBER: P1444516  
CATALOG NUMBER: EHBR1-24-UNV-TA-L835-UPL18

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	493.2	485.3
115°	515.4	512.4
117.5°	498.1	498.4
120°	463.4	465.6
122.5°	421.7	424.2
125°	383.5	386.1
127.5°	351.5	353.0
130°	330.6	332.2
132.5°	314.5	315.3
135°	303.7	304.4
137.5°	294.6	295.2
140°	286.4	286.9
142.5°	276.9	277.3
145°	271.1	271.3
147.5°	265.9	266.1
150°	261.4	261.4
152.5°	256.5	256.6
155°	253.9	253.8
157.5°	252.7	252.5
160°	252.6	252.4
162.5°	252.6	252.4
165°	253.6	253.3
167.5°	256.1	256.1
170°	257.5	257.4
172.5°	259.3	259.1
175°	259.5	259.5
177.5°	261.4	261.2
180°	262.8	262.8

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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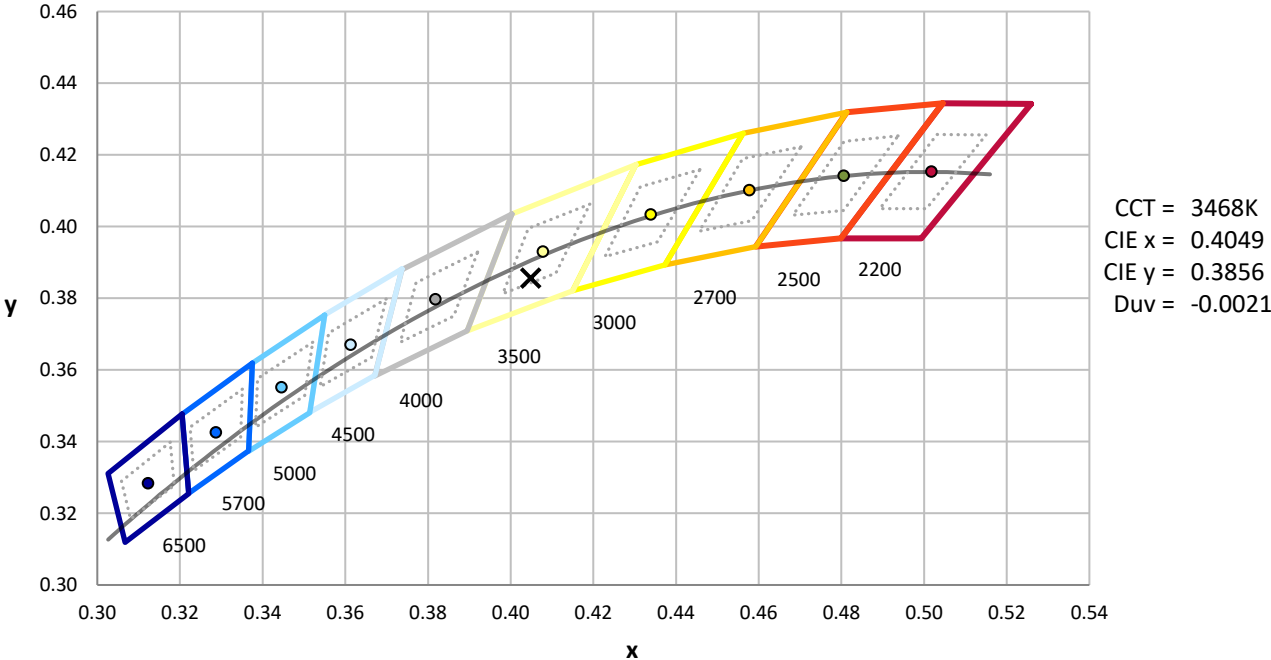
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208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

$\lambda$ (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			

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**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			

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**Melanopic Flux vs. Wavelength**



**Melanopic Lumens: NR**

**M/P: 2.75**

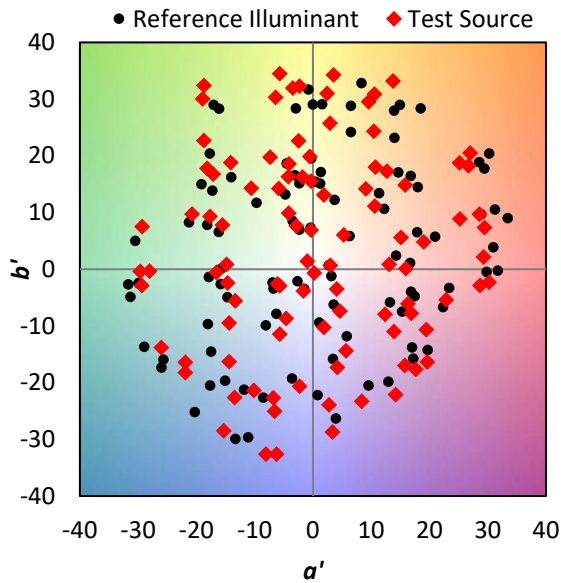
λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	60	NR	620	327	NR	750	7	NR	880	0	NR
365	0	NR	495	82	NR	625	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**

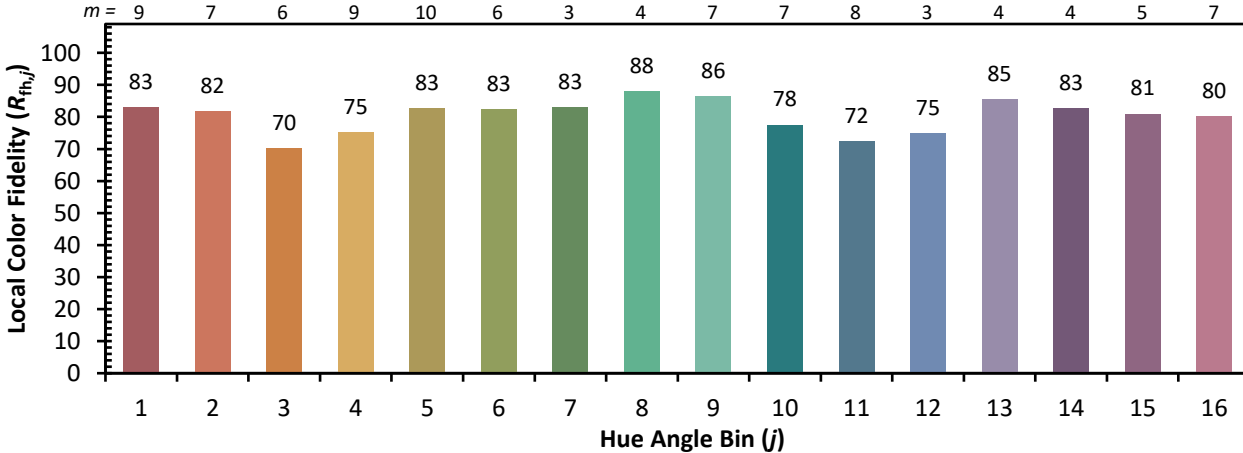


**Individual Sample Fidelity Index ( $R_{f,i}$ )**

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)