

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: P1444504

Luminaire Tested: EHBR1-12-UNV-TA-L835-UPL40

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444504
REPORT IS A COMBINATION OF REPORTS P1444354 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-12-UNV-TA-L835-UPL40
Description: Elevate Round Highbay at, 12000 lumens, 3500K 80CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

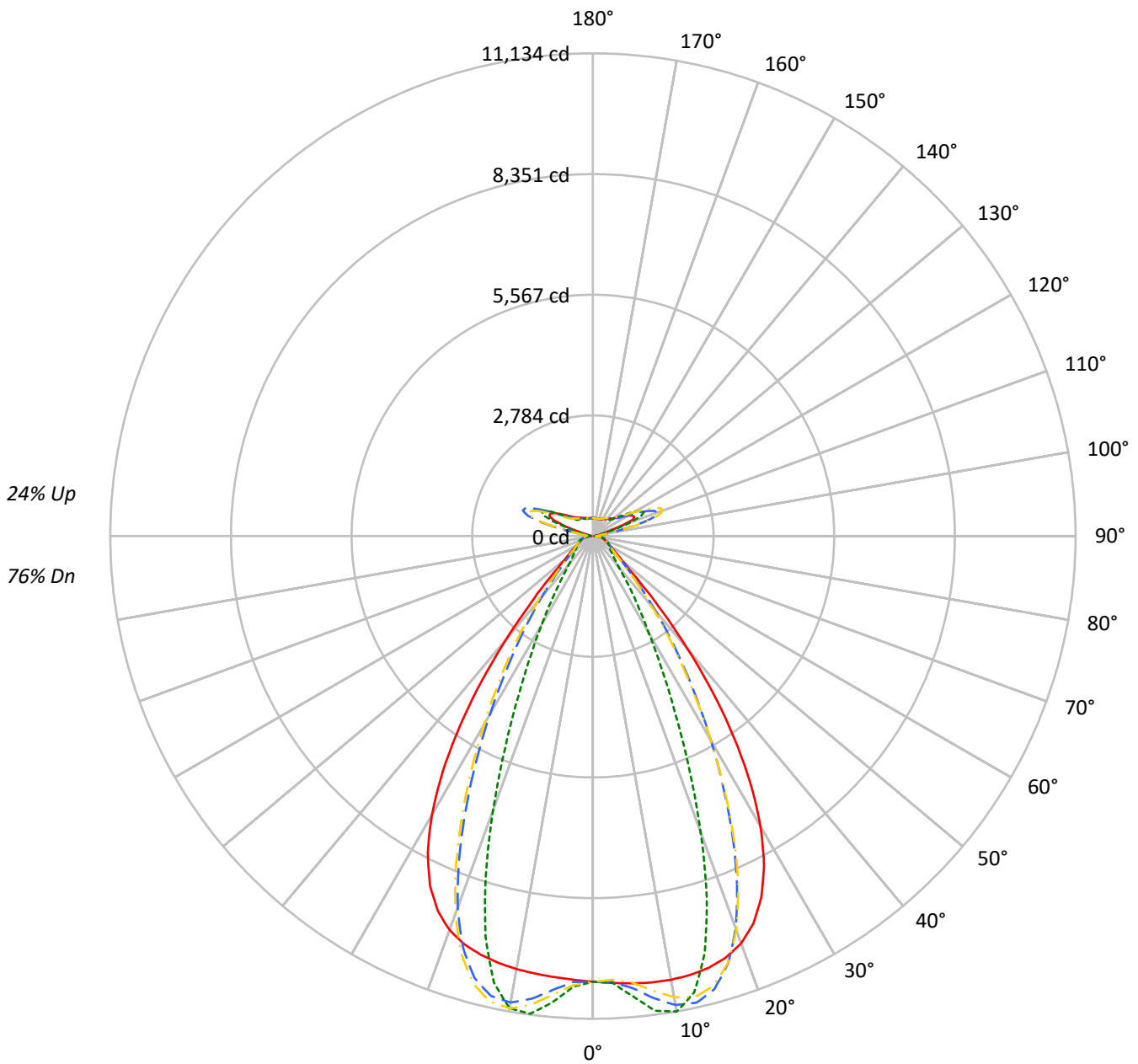
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15660.3 lumens
Efficiency: N/A
Efficacy: 164.3 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 0.77 / 0.88
Luminous Opening: Vertical Cylinder (Dia: 1.71' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 95.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1444504
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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	113	113	113	113	108	108	108	108	98	98	98	88	88	88	80	80	80	80	80	80	76
1	106	102	99	96	101	98	95	92	89	87	85	81	80	78	74	73	72	74	73	72	68
2	99	93	88	83	94	89	84	81	82	78	75	75	72	70	69	67	65	69	67	65	62
3	92	85	78	74	88	81	76	71	75	71	67	69	66	63	64	61	59	64	61	59	56
4	86	77	71	66	83	75	69	64	69	64	61	64	60	57	60	57	54	60	57	54	52
5	81	71	64	59	78	69	63	58	64	59	55	60	56	53	56	53	50	56	53	50	48
6	76	66	59	54	73	64	57	53	60	54	51	56	52	48	52	49	46	52	49	46	44
7	72	61	54	49	69	59	53	48	56	50	47	52	48	45	49	46	43	49	46	43	41
8	68	57	50	46	65	55	49	45	52	47	43	49	45	41	46	43	40	46	43	40	38
9	64	53	47	42	61	52	46	41	49	44	40	46	42	39	44	40	37	44	40	37	36
10	60	50	43	39	58	48	43	39	46	41	37	44	39	36	41	38	35	41	38	35	33

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	48266	48266	48266	48266
5°	48499	49913	47820	50567
10°	48904	52405	47731	52059
15°	49144	47505	47648	45592
20°	48636	35390	47044	32744
25°	46036	22382	44514	20308
30°	40215	13449	38658	12292
35°	30950	8440	29170	7476
40°	19579	5294	17913	4975
45°	10091	4124	9924	4056
50°	5917	3669	5735	3611
55°	4532	3470	4365	3439
60°	3836	3545	3673	3500
65°	3602	3703	3464	3576
70°	3519	3876	3344	3730
75°	3763	4111	3559	3929
80°	3895	4553	3530	4155
85°	3669	4393	2962	3762

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 15444 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1012.9	6.5
10°-20°	2849.4	18.2
20°-30°	3245.2	20.7
30°-40°	2332.5	14.9
40°-50°	1075.8	6.9
50°-60°	514.8	3.3
60°-70°	375.6	2.4
70°-80°	285.4	1.8
80°-90°	136.5	0.9
90°-100°	103.2	0.7
100°-110°	658.7	4.2
110°-120°	1218.1	7.8
120°-130°	728.2	4.6
130°-140°	445.9	2.8
140°-150°	313.0	2.0
150°-160°	206.7	1.3
160°-170°	119.0	0.8
170°-180°	39.6	0.3
0°-30°	7107.5	45.4
0°-40°	9440.1	60.3
0°-60°	11030.6	70.4
0°-90°	11828.1	75.5
90°-120°	1980.0	12.6
90°-150°	3467.0	22.1
90°-180°	3832.0	24.5
0°-180°	15660.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10278	10278	10278	10278	10278	
5°	10355	10657	10210	10797	10355	990
15°	10310	9966	9996	9565	10310	2905
25°	9193	4470	8890	4055	9193	4168
35°	5680	1549	5354	1372	5680	3486
45°	1633	667	1606	656	1633	1389
55°	612	469	590	465	612	565
65°	376	386	362	373	376	376
75°	265	290	251	277	265	276
85°	126	151	102	129	126	118
90°	56	65	31	34	56	32
95°	48	54	48	54	48	46
105°	231	303	152	303	231	308
115°	1056	1295	1106	1295	1056	973
125°	769	831	874	832	769	701
135°	572	530	619	531	572	448
145°	481	486	515	488	481	304
155°	429	441	461	442	429	200
165°	410	416	427	417	410	117
175°	410	416	418	416	410	39
180°	415	415	415	415	415	



TEST NUMBER: P1444504
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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8
2.5°	10317.1	10316.3	10316.1	10315.4	10315.2	10315.2	10314.8	10313.9	10313.5	10312.3	10310.9
5°	10355.4	10354.9	10355.2	10355.3	10354.5	10352.9	10350.4	10347.3	10343.4	10339.7	10336.5
7.5°	10384.9	10385.7	10386.6	10386.4	10384.1	10380.4	10375.2	10372.3	10374.1	10379.7	10392.5
10°	10390.4	10394.8	10396.5	10396.0	10391.5	10388.2	10389.5	10400.3	10422.1	10451.0	10490.5
12.5°	10369.3	10374.7	10374.5	10372.7	10368.3	10372.8	10388.6	10421.0	10467.4	10524.5	10591.4
15°	10310.2	10317.1	10315.2	10312.9	10310.0	10324.4	10355.9	10412.3	10484.0	10564.4	10646.7
17.5°	10195.3	10203.8	10199.6	10197.0	10194.6	10221.7	10275.9	10358.4	10448.7	10539.7	10617.7
20°	9996.1	10001.7	9991.9	9987.4	9991.3	10044.5	10124.3	10229.6	10324.8	10410.8	10464.1
22.5°	9671.0	9678.1	9659.6	9657.5	9680.2	9762.0	9862.9	9980.6	10070.1	10138.3	10158.8
25°	9193.4	9200.2	9178.4	9191.4	9230.1	9341.6	9461.7	9587.6	9664.0	9714.5	9700.6
27.5°	8548.6	8555.0	8534.2	8560.9	8622.0	8768.4	8909.8	9046.4	9114.4	9149.8	9105.0
30°	7735.4	7748.6	7724.1	7761.3	7854.5	8044.7	8206.8	8359.9	8427.7	8454.7	8384.9
32.5°	6769.7	6788.4	6761.5	6816.8	6946.8	7175.3	7359.3	7530.5	7605.5	7636.2	7557.4
35°	5680.5	5707.3	5676.4	5759.4	5919.8	6174.3	6378.1	6569.1	6658.0	6701.5	6622.1
37.5°	4526.5	4552.1	4535.3	4646.1	4822.3	5085.9	5294.0	5500.1	5600.5	5665.9	5603.2
40°	3393.5	3416.9	3429.5	3556.4	3722.1	3970.6	4170.3	4374.2	4486.6	4568.7	4530.1
42.5°	2395.2	2418.7	2461.9	2584.2	2722.3	2928.1	3099.2	3282.3	3389.6	3477.2	3462.2
45°	1632.7	1660.1	1714.1	1814.3	1914.2	2061.8	2187.5	2329.9	2417.6	2497.7	2498.7
47.5°	1144.2	1163.4	1211.6	1280.0	1345.2	1530.0	1537.5	1607.5	1666.4	1726.4	1734.2
50°	881.8	893.3	918.9	957.1	994.0	1042.0	1085.9	1136.6	1172.9	1205.7	1213.6
52.5°	724.8	732.1	745.2	765.8	787.1	813.3	836.8	864.6	884.4	901.9	905.6
55°	612.5	618.6	638.0	642.0	666.4	671.2	681.6	698.5	710.1	720.5	723.2
57.5°	527.9	532.3	536.4	545.2	552.8	563.7	572.6	584.7	592.0	599.5	600.2
60°	461.1	464.3	467.2	473.3	478.4	486.1	492.2	500.4	505.6	511.3	512.0
62.5°	411.3	413.6	415.6	419.7	423.2	429.2	434.0	440.9	445.7	450.1	451.1
65°	376.0	377.7	378.9	381.9	385.1	390.2	394.5	400.2	403.7	407.1	407.8
67.5°	344.7	346.3	347.6	350.3	352.6	356.3	359.2	363.5	366.1	368.8	368.9
70°	308.8	310.3	311.2	313.9	315.6	318.8	321.2	325.0	327.7	330.7	331.5
72.5°	284.0	284.9	286.1	288.6	291.0	294.5	297.6	301.6	304.8	308.0	309.3
75°	265.1	266.1	266.9	269.0	270.7	273.6	276.0	279.5	282.5	285.8	287.5
77.5°	237.8	239.0	239.8	241.7	243.3	246.0	247.7	251.0	253.4	256.5	257.9
80°	204.9	205.9	206.5	208.4	209.5	212.2	213.8	217.0	218.9	221.9	223.8
82.5°	168.3	169.4	169.7	171.5	172.1	174.2	175.5	178.7	181.1	185.1	187.8
85°	126.1	126.4	127.0	126.5	129.2	129.3	132.2	132.7	136.5	137.5	141.9
87.5°	77.1	78.2	78.7	80.5	81.3	83.0	83.6	85.4	86.5	88.6	89.6
90°	55.7	59.0	61.2	64.9	67.0	70.4	72.4	76.1	78.2	81.9	85.8
92.5°	41.4	44.4	47.3	50.5	53.5	56.8	59.9	63.1	66.1	69.3	75.4
95°	47.7	51.2	54.7	58.2	61.7	65.1	68.6	72.0	75.5	79.0	89.2
97.5°	60.4	63.4	66.4	69.4	72.4	75.5	78.5	81.5	84.6	87.6	99.7
100°	79.5	82.0	84.6	87.2	89.7	92.3	94.8	97.3	100.0	102.5	125.0
102.5°	134.3	143.3	152.4	161.4	170.5	179.6	188.6	197.6	206.7	215.7	263.4
105°	231.0	255.5	280.2	304.7	329.3	353.9	378.5	403.0	427.6	452.2	529.8
107.5°	398.7	444.1	489.6	535.1	580.6	626.1	671.6	717.1	762.5	808.0	886.7
110°	742.2	778.8	815.5	852.1	888.8	925.4	962.1	998.6	1035.3	1071.9	1129.4



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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°	1002.3	1018.9	1035.7	1052.2	1068.9	1085.6	1102.2	1118.7	1135.5	1152.1	1193.3
115°	1055.6	1061.5	1067.6	1073.5	1079.5	1085.5	1091.4	1097.3	1103.3	1109.1	1137.2
117.5°	1021.5	1020.6	1019.9	1019.1	1018.2	1017.4	1016.6	1015.7	1014.9	1014.0	1029.9
120°	947.7	943.0	938.2	933.4	928.6	923.9	919.1	914.3	909.4	904.5	911.5
122.5°	855.4	849.7	844.1	838.2	832.5	826.7	821.0	815.1	809.3	803.5	806.6
125°	769.4	763.7	758.0	752.2	746.3	740.6	734.8	729.0	723.0	717.2	719.2
127.5°	694.0	690.1	686.2	682.2	678.3	674.3	670.3	666.3	662.3	658.3	659.1
130°	643.7	640.2	636.8	633.4	629.9	626.3	622.8	619.2	615.7	612.0	613.4
132.5°	601.7	599.5	597.3	594.9	592.5	590.0	587.8	585.2	582.8	580.4	581.9
135°	572.5	570.4	568.4	566.2	564.0	561.9	559.7	557.3	555.2	552.9	554.7
137.5°	547.2	545.3	543.5	541.6	539.7	537.7	535.7	533.8	531.7	529.7	531.4
140°	523.9	522.3	520.6	518.9	517.3	515.5	513.8	512.1	510.2	508.5	510.5
142.5°	498.4	497.2	496.2	494.8	493.7	492.4	491.1	489.8	488.5	487.1	489.7
145°	481.0	480.2	479.3	478.2	477.2	476.2	475.2	474.0	473.0	472.0	474.6
147.5°	465.7	465.0	464.4	463.7	463.0	462.1	461.3	460.6	459.8	458.9	461.4
150°	452.2	451.6	451.0	450.3	449.5	448.7	448.0	447.3	446.5	445.6	448.3
152.5°	438.6	437.9	437.3	436.6	435.9	435.2	434.5	433.7	432.9	432.2	434.4
155°	429.3	428.6	427.9	427.3	426.6	425.9	425.1	424.5	423.7	422.9	424.9
157.5°	422.2	421.8	421.4	420.9	420.4	419.9	419.5	419.0	418.5	418.1	419.5
160°	417.3	416.9	416.5	416.1	415.6	415.1	414.7	414.2	413.7	413.3	414.5
162.5°	412.6	412.2	411.7	411.3	410.8	410.3	409.9	409.5	409.0	408.5	410.0
165°	409.9	409.7	409.5	409.3	409.1	408.9	408.7	408.5	408.3	408.1	409.1
167.5°	411.2	410.8	410.4	410.1	409.6	409.3	408.8	408.4	408.0	407.5	408.6
170°	410.2	410.1	410.0	409.9	409.7	409.6	409.5	409.3	409.1	409.0	409.9
172.5°	411.1	410.9	410.8	410.8	410.6	410.5	410.4	410.3	410.2	410.1	411.0
175°	409.8	409.6	409.6	409.5	409.4	409.4	409.3	409.2	409.2	409.1	409.7
177.5°	412.2	412.1	412.1	412.1	412.1	412.1	412.0	411.9	411.9	411.9	412.4
180°	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6



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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°	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8
2.5°	10310.0	10308.7	10307.0	10304.8	10303.0	10300.8	10295.6	10294.1	10295.8	10297.0	10299.3
5°	10334.4	10335.2	10335.5	10340.1	10344.2	10354.3	10433.3	10464.7	10489.1	10504.5	10527.9
7.5°	10408.3	10432.0	10455.6	10487.2	10514.5	10551.3	10689.7	10748.5	10790.4	10820.5	10857.5
10°	10533.5	10585.3	10634.0	10690.9	10740.0	10796.0	10924.8	10982.2	11018.5	11044.8	11069.4
12.5°	10659.5	10731.5	10796.5	10859.9	10913.0	10961.7	11006.9	11027.0	11028.7	11029.5	11016.4
15°	10725.3	10794.0	10851.3	10893.2	10924.4	10938.2	10860.2	10819.3	10767.6	10725.1	10655.0
17.5°	10683.8	10725.1	10749.8	10747.4	10734.5	10691.3	10470.5	10349.0	10228.4	10119.7	9977.3
20°	10499.5	10496.3	10474.8	10413.8	10340.4	10226.1	9847.5	9629.0	9417.8	9232.3	9007.3
22.5°	10156.8	10102.9	10027.6	9896.1	9750.0	9550.5	9007.9	8686.4	8392.5	8132.7	7841.7
25°	9660.1	9549.1	9410.5	9201.7	8974.7	8683.5	8014.8	7615.1	7262.1	6955.9	6620.2
27.5°	9024.4	8857.3	8654.1	8365.1	8057.6	7684.6	6943.2	6502.1	6123.1	5794.8	5437.5
30°	8271.9	8054.5	7792.2	7433.5	7062.5	6639.5	5887.5	5440.7	5057.2	4719.4	4361.8
32.5°	7421.6	7166.9	6859.4	6456.9	6055.8	5620.8	4894.5	4462.1	4095.7	3770.8	3447.1
35°	6483.6	6210.5	5885.2	5474.7	5075.9	4653.0	3986.6	3596.7	3273.1	2985.9	2724.6
37.5°	5477.5	5209.4	4900.1	4513.2	4143.5	3760.2	3185.2	2858.4	2586.9	2348.6	2146.8
40°	4431.4	4196.8	3929.2	3594.7	3279.2	2960.0	2487.9	2228.6	2014.3	1832.6	1681.3
42.5°	3398.0	3216.2	3011.1	2746.7	2505.3	2262.2	1899.0	1706.8	1548.1	1417.2	1310.3
45°	2465.5	2343.8	2206.2	2022.4	1855.4	1685.8	1427.3	1292.2	1188.9	1104.5	1033.1
47.5°	1723.5	1652.9	1648.6	1478.8	1356.3	1252.7	1086.1	1000.7	937.4	886.3	841.1
50°	1210.4	1176.2	1133.8	1073.2	1016.4	957.8	856.3	804.7	767.6	736.6	708.1
52.5°	904.8	887.1	864.5	832.3	801.6	768.6	704.3	671.6	659.9	631.0	608.4
55°	722.7	712.6	699.7	680.8	662.1	654.6	599.5	575.2	559.7	548.3	536.2
57.5°	600.3	592.7	585.1	572.3	561.4	548.3	519.1	506.6	497.4	490.7	482.3
60°	512.1	507.5	503.2	495.8	489.9	482.8	464.3	457.2	452.4	448.4	443.0
62.5°	451.9	449.6	447.4	443.4	440.4	436.6	423.9	420.5	418.1	416.1	412.9
65°	408.6	406.9	405.7	403.0	401.5	399.3	388.3	386.1	384.6	383.9	381.9
67.5°	369.1	367.4	366.6	364.7	364.1	362.6	353.7	352.5	352.0	352.3	351.6
70°	332.3	331.5	331.9	331.6	332.5	332.7	327.3	327.2	327.8	329.0	329.1
72.5°	310.2	310.2	310.6	310.8	311.5	311.9	307.5	307.3	307.5	308.3	308.3
75°	289.1	289.5	290.6	291.0	292.0	292.1	286.2	285.6	285.6	286.3	286.1
77.5°	260.1	261.3	263.4	264.6	266.5	266.7	260.1	259.3	259.4	260.1	259.5
80°	227.0	229.4	232.9	235.3	238.1	239.2	232.4	230.8	229.2	229.0	227.7
82.5°	192.0	194.9	199.1	201.2	204.2	204.9	193.4	191.2	189.9	190.0	188.8
85°	146.5	148.7	152.5	153.8	155.6	155.4	142.3	136.7	138.3	135.9	137.8
87.5°	91.9	93.2	95.6	95.9	96.8	96.6	83.4	80.8	80.0	80.1	79.1
90°	91.0	95.0	100.2	103.3	107.7	110.6	103.1	104.9	101.3	99.2	95.2
92.5°	81.5	87.7	93.8	99.9	106.0	112.2	117.0	122.8	116.4	109.8	103.5
95°	99.5	109.7	119.8	130.1	140.3	150.5	160.8	170.9	161.4	151.8	142.3
97.5°	111.7	123.8	135.8	148.0	160.0	172.1	184.1	196.3	186.1	175.7	165.5
100°	147.6	170.1	192.5	215.1	237.6	260.1	282.6	305.1	285.4	265.6	245.8
102.5°	311.2	359.1	406.9	454.7	502.5	550.4	598.2	646.0	600.7	555.3	510.0
105°	607.3	684.7	762.3	839.7	917.2	994.7	1072.3	1149.8	1077.3	1004.8	932.4
107.5°	965.3	1043.9	1122.5	1201.1	1279.8	1358.4	1437.2	1515.9	1445.2	1374.5	1303.9
110°	1186.9	1244.3	1301.8	1359.3	1416.8	1474.2	1532.0	1589.5	1547.1	1504.8	1462.5



TEST NUMBER: P1444504
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL40

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	1234.4	1275.8	1317.0	1358.1	1399.3	1440.6	1482.2	1523.4	1502.3	1481.3	1460.2
115°	1165.1	1193.1	1221.0	1248.9	1276.9	1304.8	1333.0	1361.2	1354.7	1348.3	1341.9
117.5°	1045.7	1061.6	1077.5	1093.3	1109.1	1125.0	1141.3	1157.2	1158.9	1160.5	1162.3
120°	918.5	925.6	932.6	939.6	946.4	953.5	961.1	968.2	974.5	980.7	987.0
122.5°	809.5	812.6	815.5	818.7	821.6	824.6	828.2	831.5	836.0	840.8	845.3
125°	720.9	722.8	724.6	726.4	728.1	730.0	732.6	734.6	735.6	736.3	737.3
127.5°	660.0	661.0	661.8	662.7	663.5	664.4	666.1	667.2	665.5	663.8	662.1
130°	614.7	615.9	617.3	618.6	620.0	621.1	623.5	625.0	621.4	617.8	614.3
132.5°	583.4	585.0	586.4	588.1	589.5	591.1	593.6	595.3	591.2	586.9	582.6
135°	556.4	558.2	559.9	561.7	563.3	565.3	568.1	570.1	566.2	562.1	558.0
137.5°	533.1	534.9	536.7	538.5	540.2	542.0	545.0	547.2	544.1	540.9	537.8
140°	512.4	514.5	516.4	518.5	520.4	522.5	525.8	528.2	525.8	523.4	521.0
142.5°	492.0	494.5	497.0	499.5	502.1	504.6	508.5	511.3	509.7	508.0	506.4
145°	477.2	480.1	482.8	485.7	488.4	491.2	495.5	498.6	497.7	496.8	495.9
147.5°	463.9	466.4	468.9	471.4	474.0	476.8	480.8	483.8	483.5	483.0	482.6
150°	450.6	453.2	455.7	458.2	461.0	463.6	468.0	471.1	470.8	470.4	470.0
152.5°	436.8	439.0	441.4	443.8	446.1	448.5	453.4	456.3	455.9	455.4	455.1
155°	426.6	428.6	430.4	432.4	434.2	436.2	440.8	443.4	443.3	443.2	443.0
157.5°	420.9	422.3	423.6	425.2	426.6	428.1	432.5	434.7	434.6	434.4	434.3
160°	415.7	416.8	418.0	419.3	420.4	421.7	426.1	428.0	427.9	427.7	427.6
162.5°	411.4	412.9	414.2	415.7	417.2	418.6	423.1	425.4	425.1	424.7	424.4
165°	410.1	411.0	412.0	413.0	413.9	415.0	418.9	420.6	420.5	420.4	420.3
167.5°	409.6	410.6	411.6	412.6	413.6	414.7	418.4	420.1	420.0	419.9	419.8
170°	410.5	411.4	412.2	413.1	413.8	414.8	417.8	419.2	419.0	418.6	418.3
172.5°	411.8	412.8	413.5	414.4	415.2	416.2	418.8	420.2	419.9	419.7	419.3
175°	410.3	410.9	411.6	412.4	413.0	413.6	415.8	416.7	416.6	416.6	416.5
177.5°	412.9	413.2	413.6	414.1	414.6	415.0	416.4	417.0	417.0	417.0	416.9
180°	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6



TEST NUMBER: P1444504
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CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8
2.5°	10299.9	10303.5	10304.1	10308.2	10307.9	10312.9	10312.1	10316.3	10313.9	10317.2	10314.3
5°	10541.8	10563.7	10575.2	10596.6	10603.4	10622.5	10627.9	10645.5	10646.1	10660.0	10656.8
7.5°	10883.8	10916.2	10935.4	10961.8	10975.2	10997.2	11006.9	11023.3	11028.6	11041.5	11042.5
10°	11088.0	11103.7	11114.7	11122.1	11128.8	11132.0	11135.7	11134.7	11135.7	11134.2	11137.4
12.5°	11007.7	10984.7	10969.6	10940.9	10924.2	10892.5	10876.9	10846.5	10835.3	10809.1	10805.4
15°	10600.9	10521.0	10464.5	10382.4	10330.7	10250.0	10202.7	10129.8	10096.6	10038.6	10023.4
17.5°	9859.3	9710.9	9596.1	9448.9	9346.8	9209.1	9122.6	9008.6	8946.2	8854.4	8822.6
20°	8819.7	8600.2	8428.0	8222.9	8076.1	7893.2	7776.1	7628.4	7542.7	7429.8	7384.0
22.5°	7599.1	7325.9	7110.8	6868.5	6691.3	6487.5	6347.2	6187.4	6094.2	5971.6	5917.3
25°	6341.1	6039.8	5800.7	5545.4	5358.2	5153.9	5013.6	4856.6	4760.1	4643.7	4589.8
27.5°	5137.9	4832.9	4601.8	4364.5	4192.8	4008.4	3881.9	3744.8	3659.2	3559.8	3509.1
30°	4076.2	3807.1	3610.5	3413.5	3270.7	3121.0	3015.7	2902.2	2827.0	2742.0	2693.6
32.5°	3211.1	3003.4	2849.4	2693.1	2576.3	2451.1	2360.2	2260.0	2192.1	2116.2	2072.5
35°	2543.2	2381.8	2259.0	2130.3	2029.9	1923.3	1843.2	1756.7	1695.9	1630.4	1592.7
37.5°	2009.3	1881.1	1780.0	1673.1	1590.7	1502.3	1472.6	1373.4	1310.2	1258.1	1221.9
40°	1577.0	1474.9	1391.3	1309.6	1242.3	1175.4	1121.6	1068.5	1027.8	990.5	964.7
42.5°	1231.5	1157.5	1096.4	1036.6	987.6	938.8	899.8	863.3	835.9	811.5	794.8
45°	978.9	928.1	885.7	843.5	808.9	776.4	750.1	726.8	709.1	694.4	684.1
47.5°	804.2	769.4	739.5	711.0	687.6	666.2	648.7	643.0	623.9	611.1	606.2
50°	683.5	662.4	639.8	618.7	603.0	587.4	576.1	564.9	557.7	551.8	550.1
52.5°	593.4	577.3	564.6	551.3	541.0	529.9	522.0	514.6	510.7	507.6	507.2
55°	526.4	515.2	506.7	497.8	491.6	485.1	481.0	477.2	475.4	473.9	474.0
57.5°	475.7	468.1	462.7	457.0	453.6	450.5	449.4	448.4	448.9	449.2	450.1
60°	438.8	433.8	430.4	427.1	425.7	424.7	425.5	426.3	428.2	429.5	430.9
62.5°	410.4	407.6	406.0	404.1	404.0	404.1	405.6	407.1	409.4	411.0	412.3
65°	381.3	379.7	379.1	378.1	378.5	378.9	380.8	381.9	384.2	385.5	387.1
67.5°	351.9	351.5	351.8	351.8	352.8	353.7	355.5	356.7	358.7	359.9	361.2
70°	330.1	330.3	331.0	331.2	332.3	332.9	334.4	335.3	336.9	338.0	339.6
72.5°	308.9	308.6	308.8	308.3	308.7	308.5	309.4	309.8	311.2	312.0	314.0
75°	286.4	285.5	285.3	284.2	284.3	283.5	283.9	283.8	284.8	285.2	286.5
77.5°	259.3	257.6	256.9	255.2	255.1	254.5	255.2	255.6	257.2	258.1	259.7
80°	226.7	224.2	223.0	221.1	221.5	221.3	223.0	224.3	226.3	226.7	228.6
82.5°	188.4	185.9	184.6	182.7	183.2	183.3	184.7	185.0	186.7	187.5	189.9
85°	134.9	135.9	133.2	133.4	132.8	133.9	134.9	136.2	137.7	140.2	142.0
87.5°	79.4	79.1	80.1	80.2	81.5	82.3	84.5	85.7	88.2	90.2	93.7
90°	92.5	88.5	86.6	83.4	82.0	79.0	78.2	75.4	74.8	72.8	72.6
92.5°	96.8	90.3	83.7	77.3	70.7	64.4	61.2	58.3	55.2	52.4	49.1
95°	132.8	123.2	113.7	104.2	94.7	85.2	81.7	78.2	74.8	71.3	67.9
97.5°	155.3	145.1	134.9	124.6	114.3	104.1	101.8	99.5	97.2	94.8	92.5
100°	226.1	206.3	186.7	166.8	147.1	127.3	125.5	123.6	121.8	119.9	118.0
102.5°	464.7	419.5	374.2	328.9	283.6	238.2	230.4	222.4	214.6	206.6	198.8
105°	859.9	787.4	715.0	642.5	570.0	497.6	476.0	454.4	432.7	411.1	389.6
107.5°	1233.3	1162.7	1092.1	1021.4	950.8	880.1	846.0	811.9	777.6	743.5	709.5
110°	1420.1	1377.7	1335.5	1293.1	1250.8	1208.5	1176.0	1143.5	1110.9	1078.4	1045.8



TEST NUMBER: P1444504
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL40

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	1439.2	1418.2	1397.2	1376.2	1355.2	1334.2	1318.3	1302.5	1286.8	1270.9	1255.0
115°	1335.4	1329.0	1322.5	1316.1	1309.8	1303.3	1302.3	1301.3	1300.3	1299.4	1298.3
117.5°	1163.8	1165.5	1167.1	1169.0	1170.6	1172.3	1181.0	1189.7	1198.5	1207.2	1215.9
120°	993.2	999.5	1005.8	1012.1	1018.3	1024.6	1036.2	1048.0	1059.7	1071.4	1083.4
122.5°	849.9	854.5	859.1	863.7	868.4	872.9	884.6	896.3	908.0	919.6	931.5
125°	738.1	738.9	739.8	740.6	741.5	742.3	752.1	761.8	771.6	781.5	791.3
127.5°	660.4	658.6	656.8	655.2	653.3	651.7	657.7	663.7	669.7	675.8	681.8
130°	610.7	607.1	603.4	599.8	596.2	592.6	595.3	598.1	600.8	603.6	606.4
132.5°	578.3	574.0	569.7	565.3	561.0	556.8	557.3	557.9	558.6	559.2	560.0
135°	553.9	550.0	545.9	541.7	537.7	533.7	533.1	532.5	532.0	531.4	531.0
137.5°	534.7	531.5	528.3	525.3	522.1	519.0	518.0	517.0	515.9	515.1	514.0
140°	518.6	516.2	513.8	511.4	509.0	506.6	505.8	505.0	504.2	503.5	502.7
142.5°	504.7	502.9	501.3	499.6	497.9	496.3	495.5	494.7	494.0	493.3	492.6
145°	495.0	493.9	493.0	492.1	491.1	490.2	489.7	489.2	488.7	488.2	487.8
147.5°	482.2	481.6	481.2	480.8	480.3	479.9	479.6	479.4	479.1	479.0	478.7
150°	469.5	469.0	468.6	468.2	467.7	467.4	467.3	467.4	467.4	467.5	467.5
152.5°	454.7	454.3	453.8	453.5	452.9	452.5	452.5	452.7	452.7	452.8	452.8
155°	442.8	442.7	442.5	442.3	442.1	442.0	441.9	441.7	441.5	441.3	441.1
157.5°	434.2	434.0	433.8	433.7	433.5	433.3	433.1	433.0	432.8	432.7	432.5
160°	427.4	427.3	427.1	427.0	426.8	426.7	426.3	425.9	425.6	425.2	424.7
162.5°	423.9	423.5	423.1	422.9	422.4	422.1	421.9	421.7	421.5	421.4	421.2
165°	420.1	420.0	419.8	419.7	419.6	419.5	419.1	418.6	418.3	417.9	417.4
167.5°	419.7	419.6	419.4	419.3	419.1	419.0	418.7	418.2	417.8	417.4	417.0
170°	418.0	417.5	417.3	416.9	416.5	416.2	415.9	415.5	415.1	414.7	414.3
172.5°	419.1	418.7	418.4	418.1	417.7	417.4	417.1	416.7	416.5	416.1	415.8
175°	416.5	416.5	416.5	416.3	416.3	416.2	416.1	416.1	416.0	416.0	415.9
177.5°	416.9	416.9	416.9	416.8	416.8	416.8	416.5	416.3	416.1	415.8	415.5
180°	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6



TEST NUMBER: P1444504
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL40

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8
2.5°	10317.3	10314.7	10316.0	10311.1	10312.3	10306.5	10305.9	10299.3	10298.7	10292.5	10290.2
5°	10666.7	10660.9	10667.4	10657.3	10659.3	10646.1	10645.1	10628.0	10622.2	10601.0	10591.7
7.5°	11050.6	11048.4	11052.4	11044.0	11043.7	11032.0	11027.1	11011.9	11002.4	10980.1	10965.8
10°	11134.7	11136.7	11133.5	11134.2	11129.7	11128.4	11123.8	11120.8	11113.1	11107.3	11098.8
12.5°	10785.5	10787.5	10774.2	10782.7	10776.0	10791.6	10790.3	10808.6	10811.5	10834.7	10843.6
15°	9978.3	9975.7	9950.1	9966.3	9957.6	9991.8	9999.5	10045.6	10070.1	10129.2	10165.5
17.5°	8758.9	8752.3	8716.3	8735.9	8725.9	8776.4	8793.3	8866.9	8912.7	9008.0	9075.8
20°	7305.3	7292.7	7250.6	7273.6	7263.3	7320.6	7344.8	7433.7	7492.8	7619.0	7708.7
22.5°	5833.7	5813.8	5772.5	5794.1	5784.3	5843.6	5875.1	5964.3	6032.1	6161.5	6266.3
25°	4512.2	4494.5	4454.6	4469.7	4466.1	4516.2	4544.2	4628.6	4695.2	4818.5	4918.5
27.5°	3441.6	3423.1	3387.1	3397.7	3394.1	3436.8	3463.2	3533.7	3591.1	3694.8	3782.6
30°	2634.1	2611.8	2581.2	2587.0	2584.6	2619.2	2643.9	2703.2	2752.4	2840.1	2915.7
32.5°	2019.0	1996.6	1968.5	1971.2	1967.6	1994.8	2015.1	2066.6	2109.5	2184.1	2249.9
35°	1544.8	1571.0	1511.1	1549.0	1509.5	1567.5	1546.6	1578.9	1615.8	1678.6	1733.5
37.5°	1187.6	1169.4	1153.9	1152.3	1152.2	1165.7	1181.6	1212.6	1245.1	1291.9	1340.3
40°	941.1	928.3	918.3	917.6	918.3	927.9	939.7	961.1	984.8	1018.5	1054.1
42.5°	780.5	772.1	766.0	765.6	767.6	774.3	782.5	795.2	810.7	832.5	856.9
45°	675.5	670.9	667.5	667.3	668.2	671.8	676.4	684.4	694.2	707.7	723.2
47.5°	601.9	600.8	598.6	598.7	597.8	599.2	599.8	604.3	609.4	619.7	639.9
50°	548.3	548.3	546.9	546.8	545.4	545.3	544.2	545.9	548.3	554.7	561.1
52.5°	505.9	505.8	504.2	503.9	502.5	502.4	501.4	502.1	502.4	505.6	509.4
55°	472.8	471.7	469.7	469.0	468.5	469.3	468.9	469.0	468.5	469.9	471.0
57.5°	448.9	447.7	445.7	445.2	445.1	446.0	446.0	445.7	443.9	442.7	441.0
60°	430.1	428.9	426.7	426.2	426.5	427.9	427.8	426.7	424.0	421.7	419.0
62.5°	411.7	411.1	410.1	410.0	409.7	409.9	409.0	407.7	405.1	402.6	399.7
65°	386.9	387.2	386.4	386.5	385.5	385.3	383.9	382.7	380.1	377.9	374.9
67.5°	361.2	361.4	360.7	360.7	360.2	360.3	359.3	358.3	356.0	354.2	351.9
70°	339.9	340.4	340.0	340.1	339.6	339.4	338.0	336.9	334.6	333.1	330.9
72.5°	314.5	315.6	315.6	315.9	314.9	314.5	312.9	311.5	309.4	308.2	306.6
75°	287.1	288.6	288.9	289.6	288.4	287.7	285.8	284.8	283.1	282.4	281.3
77.5°	260.3	262.0	263.5	265.0	262.9	261.0	258.8	257.0	254.6	253.7	251.9
80°	230.3	233.2	236.6	239.5	235.7	231.9	228.2	225.5	222.2	220.9	218.7
82.5°	191.0	194.0	196.0	197.8	195.2	192.5	188.9	186.5	183.0	181.6	179.2
85°	145.2	148.8	150.0	151.0	149.3	147.9	144.5	139.9	137.8	134.3	132.5
87.5°	95.4	97.6	98.1	98.4	97.3	96.7	94.5	92.4	88.6	85.8	82.5
90°	70.3	69.5	66.4	64.8	65.5	67.7	67.6	68.8	67.8	68.6	67.9
92.5°	46.2	43.1	40.0	37.0	40.2	43.1	46.3	49.1	52.3	55.2	58.3
95°	64.4	60.9	57.4	53.9	56.7	59.4	62.2	65.1	67.8	70.6	73.4
97.5°	90.2	87.8	85.5	83.2	84.8	86.5	88.0	89.7	91.3	93.0	94.6
100°	116.2	114.3	112.5	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6
102.5°	190.8	183.0	175.0	167.2	172.5	177.8	183.2	188.5	193.9	199.3	204.7
105°	368.0	346.3	324.8	303.2	324.0	345.0	365.8	386.8	407.6	428.7	449.5
107.5°	675.3	641.2	607.1	572.9	611.1	649.1	687.2	725.3	763.3	801.4	839.6
110°	1013.4	980.9	948.4	915.9	956.3	996.7	1037.1	1077.4	1117.9	1158.2	1198.7



TEST NUMBER: P1444504
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL40

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	1239.2	1223.5	1207.7	1191.9	1217.8	1243.8	1269.8	1295.9	1322.0	1348.1	1374.0
115°	1297.4	1296.5	1295.6	1294.6	1307.0	1319.3	1331.6	1343.9	1356.2	1368.5	1380.9
117.5°	1224.6	1233.5	1242.3	1251.1	1255.1	1259.1	1262.9	1266.9	1271.0	1275.0	1278.9
120°	1095.1	1106.8	1118.7	1130.5	1128.8	1127.2	1125.6	1124.0	1122.5	1120.9	1119.5
122.5°	943.2	955.0	966.8	978.6	975.1	971.7	968.2	964.7	961.4	957.9	954.6
125°	801.3	811.2	821.1	831.1	827.6	824.1	820.6	817.2	813.8	810.4	807.1
127.5°	688.0	694.3	700.5	706.7	705.0	703.4	701.9	700.4	698.8	697.3	695.9
130°	609.3	612.2	615.1	618.0	618.5	619.0	619.5	620.1	620.8	621.3	621.9
132.5°	560.7	561.5	562.3	563.2	565.0	566.8	568.9	570.8	572.9	574.8	577.0
135°	530.6	530.2	529.8	529.5	532.3	535.1	537.8	540.8	543.8	546.8	549.8
137.5°	513.1	512.3	511.5	510.7	513.5	516.2	519.1	521.9	524.9	527.9	531.0
140°	502.1	501.5	501.0	500.3	503.1	505.9	508.7	511.6	514.6	517.6	520.5
142.5°	491.9	491.3	490.7	490.1	492.7	495.3	497.9	500.4	503.2	505.9	508.6
145°	487.3	486.9	486.6	486.3	488.0	489.9	491.9	493.8	495.8	497.7	499.8
147.5°	478.6	478.4	478.3	478.2	479.6	481.0	482.4	483.7	485.3	486.7	488.3
150°	467.6	467.6	467.7	467.9	468.8	469.7	470.7	471.5	472.6	473.5	474.6
152.5°	453.0	453.0	453.3	453.4	454.3	455.1	456.1	456.9	458.0	458.8	459.9
155°	441.1	440.9	440.8	440.7	441.1	441.6	442.0	442.3	442.8	443.3	443.7
157.5°	432.5	432.3	432.3	432.1	432.2	432.4	432.5	432.7	432.9	433.1	433.3
160°	424.5	424.1	423.6	423.3	423.7	424.1	424.5	424.8	425.3	425.7	426.0
162.5°	421.1	420.9	420.8	420.6	420.6	420.4	420.3	420.2	420.1	420.0	420.0
165°	417.1	416.7	416.4	416.0	416.1	416.3	416.4	416.5	416.6	416.7	416.8
167.5°	416.6	416.3	415.9	415.5	415.3	414.8	414.6	414.2	413.9	413.6	413.4
170°	413.9	413.6	413.3	413.0	412.9	412.8	412.8	412.6	412.6	412.6	412.6
172.5°	415.4	415.1	414.7	414.4	414.3	414.3	414.2	414.2	414.1	414.1	414.1
175°	415.8	415.8	415.7	415.6	415.4	415.1	414.9	414.7	414.4	414.1	413.9
177.5°	415.3	415.0	414.7	414.5	414.5	414.5	414.5	414.5	414.5	414.4	414.4
180°	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6



TEST NUMBER: P1444504
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CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8
2.5°	10283.5	10280.8	10273.6	10270.1	10263.5	10260.2	10255.1	10251.8	10247.6	10244.5	10243.0
5°	10568.4	10555.3	10528.9	10512.7	10484.2	10465.5	10437.2	10416.5	10387.3	10365.8	10338.2
7.5°	10939.1	10918.9	10885.2	10859.6	10819.8	10789.4	10744.7	10708.9	10659.5	10618.6	10568.2
10°	11090.0	11078.2	11063.1	11046.6	11024.6	11003.0	10972.4	10941.4	10899.9	10858.7	10804.9
12.5°	10866.9	10878.1	10899.9	10910.1	10926.8	10932.5	10940.1	10936.5	10929.9	10913.0	10888.5
15°	10235.2	10281.5	10354.7	10405.2	10476.1	10525.9	10591.7	10634.1	10683.0	10712.2	10739.9
17.5°	9196.1	9285.6	9414.6	9517.6	9655.8	9768.1	9905.8	10014.0	10138.9	10234.7	10336.7
20°	7865.0	7990.3	8168.5	8319.8	8520.1	8689.9	8907.5	9089.8	9302.3	9479.6	9670.9
22.5°	6432.5	6579.8	6784.0	6966.5	7205.6	7419.2	7691.9	7932.9	8220.3	8477.9	8762.7
25°	5081.0	5225.5	5433.5	5622.3	5880.6	6115.9	6413.7	6690.2	7023.7	7334.8	7691.9
27.5°	3922.0	4050.4	4233.2	4403.2	4639.7	4870.8	5173.0	5467.8	5823.7	6158.1	6542.9
30°	3028.9	3133.0	3279.5	3416.4	3606.2	3795.1	4064.4	4337.0	4691.1	5037.6	5432.1
32.5°	2347.4	2436.1	2558.3	2669.5	2815.7	2958.2	3156.4	3374.3	3684.9	4016.7	4398.3
35°	1817.1	1893.0	1997.1	2092.8	2213.1	2326.1	2474.1	2629.6	2866.7	3145.8	3487.2
37.5°	1448.7	1479.6	1553.9	1632.3	1732.2	1825.1	1940.9	2055.9	2225.5	2445.7	2724.6
40°	1101.7	1150.8	1211.3	1273.1	1348.7	1423.3	1550.2	1611.3	1723.0	1881.2	2097.6
42.5°	888.9	923.5	966.0	1009.0	1061.7	1113.6	1177.8	1243.2	1326.7	1433.8	1587.8
45°	743.9	766.4	793.8	822.4	857.0	892.5	935.5	980.4	1037.0	1102.8	1196.3
47.5°	646.9	659.4	677.4	696.9	720.6	745.2	773.1	801.7	836.9	875.9	929.2
50°	571.3	581.7	595.6	608.7	625.1	650.2	661.3	677.1	698.2	721.2	751.0
52.5°	516.6	523.5	532.2	539.8	550.1	559.5	571.9	582.7	597.4	611.2	630.4
55°	474.0	476.5	481.4	486.3	493.4	499.8	508.3	515.5	524.8	533.0	545.1
57.5°	441.1	441.3	443.6	446.1	450.7	454.8	460.6	465.2	471.7	477.0	484.2
60°	417.4	416.2	416.6	417.5	420.0	422.7	426.4	429.4	433.5	436.5	440.6
62.5°	397.7	395.7	395.3	395.0	396.4	397.3	399.3	400.7	403.1	404.4	406.6
65°	372.8	370.5	369.6	368.6	368.9	368.6	369.3	369.4	370.6	370.9	372.1
67.5°	350.3	348.4	347.1	345.7	345.1	344.0	343.5	342.6	342.5	341.6	341.4
70°	329.7	327.8	326.9	325.5	324.8	323.5	322.6	320.9	319.9	318.3	317.5
72.5°	305.9	304.8	304.6	303.6	303.4	302.6	302.3	301.1	300.4	299.1	298.4
75°	281.0	280.1	280.1	279.2	279.1	278.2	278.0	276.7	276.1	274.7	274.1
77.5°	251.4	250.1	249.7	248.6	248.9	248.5	248.8	247.9	247.4	246.2	245.7
80°	218.1	216.3	215.6	214.3	214.7	214.0	214.7	214.6	215.1	214.0	213.8
82.5°	178.5	176.7	176.3	175.3	176.0	176.1	177.4	176.7	177.1	176.0	176.5
85°	129.9	128.5	126.6	126.3	125.1	126.3	124.8	125.9	124.0	125.3	123.6
87.5°	80.5	77.7	76.2	74.2	73.4	71.5	70.7	69.3	69.7	69.0	69.4
90°	69.2	68.8	71.8	73.4	76.7	78.3	82.1	84.4	88.2	90.5	94.4
92.5°	61.2	64.2	69.8	75.4	81.0	86.5	92.1	97.7	103.3	108.9	114.4
95°	76.1	78.9	86.4	93.8	101.2	108.7	116.2	123.6	131.1	138.5	145.9
97.5°	96.3	97.9	105.4	112.8	120.2	127.7	135.1	142.6	150.1	157.5	164.9
100°	110.6	110.7	131.9	153.0	174.0	195.2	216.3	237.5	258.6	279.7	300.9
102.5°	210.0	215.4	268.8	322.1	375.5	429.0	482.4	535.8	589.2	642.7	696.1
105°	470.5	491.3	572.8	654.4	735.8	817.4	898.8	980.5	1061.9	1143.6	1225.0
107.5°	877.6	915.7	989.4	1063.0	1136.6	1210.3	1283.9	1357.5	1431.2	1504.8	1578.5
110°	1239.1	1279.5	1328.9	1378.0	1427.4	1476.6	1525.9	1575.1	1624.5	1673.8	1723.2



TEST NUMBER: P1444504
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CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	1400.0	1426.1	1454.7	1483.3	1512.0	1540.6	1569.3	1597.9	1626.7	1655.3	1684.1
115°	1393.2	1405.7	1416.6	1427.7	1438.7	1449.7	1460.8	1471.9	1483.0	1494.0	1505.1
117.5°	1283.0	1287.1	1288.5	1290.2	1291.6	1293.2	1294.8	1296.4	1297.9	1299.7	1301.1
120°	1117.9	1116.3	1114.2	1112.1	1109.9	1107.8	1105.7	1103.6	1101.5	1099.5	1097.4
122.5°	951.2	947.9	945.7	943.6	941.5	939.5	937.5	935.5	933.5	931.4	929.4
125°	803.8	800.5	801.7	802.8	804.1	805.4	806.5	807.9	809.1	810.3	811.7
127.5°	694.4	693.1	696.8	700.6	704.4	708.2	712.0	715.9	719.7	723.5	727.3
130°	622.7	623.4	628.3	633.4	638.3	643.3	648.3	653.3	658.3	663.3	668.4
132.5°	579.1	581.3	585.8	590.7	595.4	600.3	605.0	609.9	614.5	619.5	624.1
135°	552.8	555.9	560.2	564.4	568.8	573.1	577.4	581.8	586.0	590.4	594.7
137.5°	533.9	537.0	540.4	543.7	547.0	550.5	553.8	557.2	560.5	563.9	567.2
140°	523.5	526.7	528.2	530.1	531.7	533.5	535.2	537.0	538.5	540.4	542.0
142.5°	511.4	514.2	515.1	516.1	517.1	518.2	519.1	520.1	521.1	522.0	523.0
145°	501.8	503.9	503.6	503.4	503.2	503.0	502.7	502.6	502.3	502.1	501.8
147.5°	489.9	491.4	490.8	490.4	489.9	489.3	488.8	488.3	487.6	487.1	486.7
150°	475.5	476.7	475.8	475.1	474.2	473.5	472.6	471.8	470.9	470.3	469.4
152.5°	460.8	461.8	460.9	460.1	459.2	458.4	457.5	456.7	455.8	454.9	454.2
155°	444.2	444.7	444.2	443.8	443.4	442.9	442.4	442.0	441.8	441.3	440.9
157.5°	433.5	433.7	433.5	433.2	432.9	432.7	432.5	432.3	432.2	432.0	431.9
160°	426.3	426.8	426.5	426.2	426.1	425.8	425.6	425.4	425.3	425.1	425.0
162.5°	419.9	419.8	419.7	419.4	419.2	419.0	418.8	418.7	418.5	418.3	418.2
165°	417.1	417.3	416.7	416.4	416.0	415.5	415.1	414.7	414.4	414.0	413.6
167.5°	413.1	412.9	412.9	413.0	413.0	413.0	413.1	413.2	413.3	413.3	413.4
170°	412.5	412.6	412.3	412.1	411.9	411.7	411.4	411.3	411.2	410.9	410.8
172.5°	414.1	414.1	413.6	413.2	412.8	412.3	411.8	411.4	411.0	410.5	410.1
175°	413.6	413.4	413.3	413.0	412.8	412.4	412.2	411.9	411.7	411.4	411.2
177.5°	414.4	414.3	414.2	414.2	414.2	414.2	414.2	414.1	414.1	414.1	414.0
180°	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6



TEST NUMBER: P1444504
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL40

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8
2.5°	10240.9	10240.7	10239.8	10240.3	10240.5	10241.1	10242.0	10243.0	10243.2	10243.8	10244.0
5°	10317.5	10292.2	10273.4	10252.9	10237.3	10223.4	10214.1	10206.7	10203.9	10204.6	10206.3
7.5°	10525.3	10473.1	10429.9	10380.9	10339.9	10296.6	10260.7	10226.6	10201.7	10183.1	10172.8
10°	10753.4	10689.7	10628.8	10557.8	10490.4	10418.6	10353.4	10287.9	10233.3	10185.8	10151.0
12.5°	10854.6	10809.6	10756.9	10689.9	10617.8	10534.9	10451.1	10361.4	10277.9	10200.4	10137.9
15°	10747.5	10747.6	10728.4	10696.2	10646.1	10579.9	10500.0	10406.4	10307.9	10207.5	10115.7
17.5°	10407.3	10471.5	10507.2	10529.8	10522.8	10498.5	10447.7	10375.8	10284.0	10176.8	10064.8
20°	9823.2	9974.6	10082.5	10179.6	10234.0	10270.1	10266.4	10237.2	10171.8	10080.8	9964.0
22.5°	9005.0	9259.0	9459.4	9646.5	9777.6	9884.2	9934.9	9956.4	9926.8	9863.4	9753.8
25°	8011.1	8356.5	8651.3	8937.4	9152.0	9336.5	9447.3	9525.4	9531.6	9498.4	9400.7
27.5°	6906.7	7314.4	7687.5	8067.8	8369.6	8634.8	8808.7	8936.0	8976.5	8971.1	8882.3
30°	5803.8	6231.8	6643.1	7086.5	7459.9	7798.7	8028.5	8200.7	8267.0	8279.7	8194.4
32.5°	4762.1	5184.3	5594.3	6057.9	6468.8	6857.1	7128.6	7333.1	7410.3	7428.5	7334.8
35°	3816.8	4206.2	4596.0	5045.2	5453.8	5855.8	6141.9	6356.1	6428.1	6440.3	6331.8
37.5°	2997.0	3328.8	3668.4	4071.5	4446.7	4824.2	5096.1	5297.3	5349.9	5346.6	5223.9
40°	2306.7	2564.6	2837.6	3169.4	3481.4	3800.5	4030.0	4196.4	4224.1	4203.6	4074.7
42.5°	1734.6	1920.8	2118.7	2366.4	2597.9	2836.7	3003.7	3127.2	3131.2	3098.9	2983.1
45°	1292.2	1474.0	1556.9	1706.7	1855.9	2014.7	2116.6	2192.9	2181.2	2152.7	2064.7
47.5°	985.1	1054.9	1129.0	1221.9	1308.8	1489.0	1475.7	1598.1	1509.9	1570.1	1437.7
50°	782.3	821.3	861.2	910.6	955.9	1003.0	1032.5	1054.5	1051.6	1042.1	1016.7
52.5°	665.5	677.6	697.3	725.3	750.6	776.1	792.9	806.5	806.7	802.9	790.1
55°	556.3	571.6	585.7	604.0	635.2	640.0	664.0	659.1	661.1	654.4	661.2
57.5°	490.4	499.4	507.3	518.2	527.2	537.8	544.0	549.9	549.4	548.0	541.5
60°	443.8	448.7	453.1	459.5	464.4	470.4	473.3	476.3	475.3	473.1	467.3
62.5°	407.8	410.9	413.4	417.5	420.5	424.2	425.8	427.0	425.8	423.6	418.5
65°	372.3	374.4	375.9	379.0	381.2	384.4	385.6	386.8	385.6	384.0	380.1
67.5°	340.3	340.5	340.4	341.7	342.3	344.2	344.8	345.7	344.3	342.9	339.6
70°	316.1	315.6	315.0	315.5	315.6	316.6	316.7	316.6	314.9	312.4	308.8
72.5°	297.2	296.9	296.4	296.8	296.8	297.7	297.4	297.0	295.0	292.6	289.0
75°	272.8	272.6	271.7	271.7	270.9	271.2	270.2	269.7	267.4	265.4	262.2
77.5°	244.2	243.8	242.4	241.9	240.5	239.9	238.0	237.1	234.8	233.2	230.5
80°	212.3	211.9	210.2	209.2	206.9	205.5	202.7	201.2	198.6	197.0	194.3
82.5°	175.6	175.8	174.0	172.9	169.6	167.1	163.4	161.4	158.5	157.0	154.3
85°	124.9	123.0	124.0	123.9	121.9	119.7	116.7	114.6	112.2	110.7	108.8
87.5°	68.5	68.9	68.5	68.0	66.5	65.4	63.1	61.9	60.1	59.2	57.8
90°	88.8	84.9	79.3	75.5	69.9	65.4	59.6	55.4	49.7	48.0	45.2
92.5°	108.1	101.9	95.7	89.3	83.2	76.9	70.6	64.4	58.1	55.9	53.9
95°	136.9	127.8	118.8	109.7	100.6	91.5	82.5	73.4	64.4	62.5	60.7
97.5°	154.3	143.6	132.9	122.3	111.5	100.8	90.3	79.6	68.9	67.8	66.6
100°	276.2	251.7	227.2	202.6	177.9	153.3	128.9	104.2	79.6	78.2	76.8
102.5°	636.5	576.8	517.2	457.6	397.9	338.3	278.7	218.9	159.4	150.8	142.2
105°	1134.8	1044.5	954.3	864.0	773.8	683.4	593.2	502.8	412.7	383.7	354.7
107.5°	1493.6	1408.8	1323.8	1239.0	1154.0	1069.2	984.3	899.3	814.4	763.4	712.3
110°	1655.6	1588.2	1520.8	1453.4	1386.0	1318.5	1250.9	1183.5	1116.0	1071.9	1028.0



TEST NUMBER: P1444504
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL40

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	1634.6	1584.9	1535.5	1485.9	1436.4	1386.8	1337.3	1287.7	1238.1	1211.2	1184.4
115°	1475.2	1445.1	1415.2	1385.1	1355.0	1325.0	1295.0	1264.9	1234.8	1220.6	1206.2
117.5°	1285.6	1270.0	1254.5	1238.9	1223.3	1207.7	1192.1	1176.4	1160.8	1155.7	1150.5
120°	1092.4	1087.2	1082.1	1077.1	1071.9	1066.8	1061.6	1056.5	1051.4	1051.6	1051.7
122.5°	930.6	931.8	933.1	934.1	935.4	936.5	937.7	938.8	939.9	943.1	946.4
125°	815.5	819.2	823.0	826.8	830.4	834.2	837.9	841.6	845.4	848.6	851.9
127.5°	731.7	735.8	740.2	744.4	748.6	752.9	757.2	761.2	765.5	768.3	771.3
130°	672.0	675.5	679.1	682.6	686.3	689.8	693.4	696.9	700.5	702.5	704.4
132.5°	627.2	630.4	633.5	636.6	639.8	642.9	646.0	649.1	652.3	653.5	654.8
135°	596.9	598.9	601.2	603.3	605.6	607.7	609.9	612.1	614.3	614.8	615.5
137.5°	569.0	570.6	572.4	574.1	575.8	577.5	579.3	581.0	582.7	582.5	582.5
140°	544.0	545.9	547.6	549.6	551.5	553.5	555.4	557.3	559.4	559.3	559.2
142.5°	524.4	525.7	527.2	528.5	530.0	531.4	532.8	534.4	535.8	535.7	535.6
145°	503.6	505.4	507.2	509.1	510.9	512.7	514.8	516.6	518.6	518.3	518.0
147.5°	488.1	489.8	491.3	492.9	494.6	496.2	497.8	499.5	501.3	500.9	500.6
150°	471.2	473.0	474.6	476.5	478.3	480.3	482.0	483.9	486.0	486.1	486.1
152.5°	456.1	458.0	460.0	462.0	464.2	466.3	468.4	470.5	472.6	472.7	472.8
155°	442.8	444.8	446.8	448.8	451.0	453.0	455.1	457.2	459.3	459.6	459.9
157.5°	433.6	435.4	437.1	438.9	440.8	442.6	444.5	446.3	448.2	448.4	448.6
160°	426.5	428.1	429.6	431.2	432.8	434.4	435.9	437.6	439.1	439.4	439.6
162.5°	419.7	421.4	422.9	424.4	426.1	427.6	429.2	430.8	432.4	432.5	432.8
165°	414.8	415.8	416.9	417.9	419.1	420.1	421.3	422.3	423.5	423.8	424.3
167.5°	414.3	415.0	415.9	416.6	417.6	418.4	419.3	420.0	420.9	421.3	421.7
170°	411.6	412.4	413.1	413.9	414.8	415.6	416.4	417.1	418.0	418.3	418.8
172.5°	410.6	411.1	411.6	412.2	412.7	413.3	413.7	414.3	414.9	415.5	416.0
175°	411.4	411.7	412.0	412.3	412.5	412.9	413.1	413.4	413.7	414.2	414.7
177.5°	414.2	414.5	414.7	414.9	415.3	415.5	415.8	416.1	416.3	416.9	417.6
180°	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6



TEST NUMBER: P1444504
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL40

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8
2.5°	10243.7	10243.6	10243.3	10242.8	10242.3	10242.6	10243.1	10244.2	10246.3	10249.3	10253.2
5°	10207.7	10209.8	10211.0	10211.2	10210.1	10209.4	10210.4	10213.2	10218.9	10228.4	10241.3
7.5°	10170.1	10172.6	10176.6	10179.6	10180.1	10179.4	10179.6	10183.9	10194.4	10213.0	10239.0
10°	10129.7	10122.1	10126.1	10133.5	10139.4	10140.5	10141.2	10146.4	10161.7	10189.7	10231.5
12.5°	10092.6	10068.3	10063.7	10070.3	10079.2	10082.1	10081.3	10083.6	10101.5	10138.5	10196.8
15°	10043.6	9998.0	9982.5	9984.2	9995.2	9999.2	9996.3	9991.8	10009.4	10054.7	10130.0
17.5°	9964.5	9891.0	9862.4	9861.1	9873.9	9877.4	9870.3	9856.6	9873.8	9930.4	10023.9
20°	9844.2	9735.7	9681.8	9673.1	9687.1	9683.0	9669.0	9648.2	9670.8	9739.5	9850.9
22.5°	9627.8	9490.4	9398.2	9368.5	9385.2	9374.1	9353.4	9327.0	9357.0	9435.1	9559.1
25°	9274.4	9115.5	8989.3	8918.6	8931.9	8911.9	8889.5	8857.4	8893.3	8982.9	9119.3
27.5°	8754.8	8571.3	8414.9	8297.8	8302.1	8275.9	8250.1	8208.6	8253.3	8359.4	8513.3
30°	8063.9	7851.6	7661.2	7502.0	7487.7	7462.3	7435.8	7381.4	7437.4	7564.4	7744.2
32.5°	7196.3	6960.5	6740.5	6539.2	6501.3	6476.5	6452.9	6390.2	6463.5	6611.5	6818.2
35°	6181.6	5930.5	5692.0	5462.1	5399.1	5374.3	5353.8	5293.6	5385.2	5546.3	5769.4
37.5°	5067.9	4811.4	4574.6	4338.8	4249.8	4216.2	4201.3	4161.9	4267.5	4426.8	4650.9
40°	3924.5	3686.0	3473.7	3265.5	3164.1	3112.6	3104.8	3097.6	3199.6	3337.9	3541.3
42.5°	2854.9	2662.5	2498.8	2339.6	2247.8	2177.5	2177.5	2198.8	2290.6	2394.2	2551.1
45°	1974.8	1845.7	1741.4	1635.1	1663.5	1523.4	1605.7	1563.4	1608.8	1675.6	1777.6
47.5°	1357.6	1287.0	1229.8	1170.3	1127.0	1085.6	1089.3	1115.9	1158.7	1198.3	1251.4
50°	989.4	953.5	924.3	893.5	871.9	853.7	854.7	866.3	888.8	909.6	937.3
52.5°	775.3	755.4	739.6	722.6	711.2	702.2	702.7	708.3	720.4	732.4	748.3
55°	639.0	636.7	616.0	600.7	594.9	588.8	589.9	592.1	600.4	607.3	617.8
57.5°	535.5	526.2	520.0	512.0	508.3	504.0	505.0	505.9	511.4	516.0	523.6
60°	462.4	455.8	451.5	445.9	443.5	440.8	441.5	442.0	445.4	448.5	454.0
62.5°	413.8	407.9	404.1	399.9	398.2	396.4	396.8	397.0	399.2	401.4	405.5
65°	376.6	371.9	368.7	365.1	363.3	361.4	361.6	361.6	363.5	365.1	368.2
67.5°	337.1	333.6	331.6	328.7	327.5	325.6	325.5	324.9	326.2	326.8	328.9
70°	305.5	302.0	299.4	296.6	295.1	293.4	293.4	293.4	294.9	296.3	299.0
72.5°	286.0	282.6	280.3	277.9	276.4	275.0	274.7	274.6	275.6	276.3	278.2
75°	260.1	257.4	256.1	253.8	252.7	251.0	250.7	250.0	250.5	250.6	252.0
77.5°	228.7	226.2	225.1	222.8	221.8	220.0	219.8	218.9	219.3	219.1	220.1
80°	193.1	190.7	190.0	188.2	187.7	186.0	185.7	184.7	185.0	184.2	184.6
82.5°	153.1	151.0	150.5	148.7	148.7	147.2	147.1	145.5	145.5	144.2	142.0
85°	107.8	106.3	105.6	104.1	103.7	102.5	101.8	100.4	99.9	98.9	98.6
87.5°	56.9	55.9	55.1	54.4	53.1	50.8	50.6	49.1	49.3	48.1	48.2
90°	43.6	41.0	39.4	36.7	35.2	33.0	31.4	32.8	34.3	35.7	37.2
92.5°	51.8	49.7	47.6	45.6	43.4	41.4	39.3	41.4	43.4	45.6	47.6
95°	58.9	57.0	55.1	53.2	51.4	49.5	47.7	49.5	51.4	53.3	55.2
97.5°	65.4	64.3	63.1	62.0	60.8	59.6	58.5	59.6	60.8	62.0	63.1
100°	75.4	74.1	72.6	71.3	69.9	68.5	67.1	68.6	70.0	71.4	72.7
102.5°	133.6	125.1	116.5	107.9	99.3	90.8	82.1	90.8	99.3	108.0	116.5
105°	325.6	296.6	267.6	238.6	209.5	180.5	151.6	180.6	209.6	238.7	267.7
107.5°	661.3	610.3	559.2	508.1	457.1	406.0	354.9	406.1	457.2	508.2	559.3
110°	983.9	939.8	895.7	851.7	807.6	763.5	719.4	763.5	807.6	851.7	895.8



TEST NUMBER: P1444504
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL40

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	1157.5	1130.7	1103.7	1076.9	1050.0	1023.1	996.2	1023.1	1050.1	1077.1	1103.9
115°	1192.0	1177.6	1163.4	1149.0	1134.6	1120.3	1105.9	1120.4	1134.8	1149.2	1163.6
117.5°	1145.2	1140.0	1134.7	1129.5	1124.3	1119.0	1113.7	1119.1	1124.5	1129.8	1135.1
120°	1051.8	1052.0	1052.2	1052.3	1052.5	1052.6	1052.7	1052.7	1052.7	1052.7	1052.7
122.5°	949.6	952.8	956.0	959.2	962.4	965.6	968.7	965.7	962.7	959.8	956.7
125°	855.1	858.5	861.8	865.0	868.1	871.4	874.4	871.6	868.6	865.6	862.5
127.5°	774.0	776.9	779.7	782.6	785.2	788.0	790.6	788.2	785.6	783.1	780.5
130°	706.3	708.3	710.1	712.2	713.9	715.8	717.5	716.0	714.3	712.9	711.0
132.5°	656.0	657.3	658.6	659.7	660.9	662.1	663.1	662.3	661.4	660.4	659.4
135°	616.1	616.7	617.3	617.8	618.3	618.8	619.1	619.1	618.8	618.6	618.2
137.5°	582.5	582.4	582.3	582.1	581.9	581.6	581.3	581.9	582.4	582.9	583.3
140°	559.1	559.1	558.9	558.7	558.7	558.4	558.0	558.7	559.2	559.6	560.0
142.5°	535.6	535.5	535.4	535.2	535.1	534.8	534.6	535.1	535.6	536.0	536.4
145°	517.7	517.4	516.9	516.6	516.1	515.6	515.1	515.9	516.6	517.3	518.0
147.5°	500.2	499.9	499.5	499.1	498.6	498.2	497.6	498.4	499.1	499.7	500.4
150°	486.3	486.4	486.4	486.5	486.5	486.4	486.3	486.6	486.9	487.1	487.3
152.5°	472.8	472.9	472.9	472.9	473.0	472.8	472.7	473.1	473.5	473.8	474.0
155°	460.1	460.4	460.6	460.8	461.0	461.2	461.3	461.4	461.5	461.6	461.7
157.5°	448.8	449.1	449.3	449.5	449.7	449.9	450.1	450.3	450.4	450.6	450.6
160°	439.8	440.1	440.2	440.5	440.7	440.9	441.0	441.2	441.4	441.5	441.6
162.5°	433.0	433.2	433.3	433.6	433.7	433.9	434.1	434.3	434.5	434.6	434.7
165°	424.7	425.2	425.6	426.1	426.4	426.9	427.2	427.2	427.0	427.0	426.8
167.5°	422.1	422.6	422.9	423.3	423.6	424.1	424.4	424.4	424.2	424.1	424.0
170°	419.1	419.5	419.8	420.2	420.6	421.0	421.3	421.2	421.0	421.0	420.8
172.5°	416.5	417.1	417.7	418.3	418.8	419.4	419.9	419.7	419.2	418.9	418.4
175°	415.2	415.8	416.3	416.8	417.2	417.8	418.4	417.9	417.6	417.2	416.8
177.5°	418.5	419.3	419.9	420.6	421.4	422.1	422.9	422.2	421.5	420.8	420.1
180°	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6



TEST NUMBER: P1444504
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL40

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8
2.5°	10258.6	10263.7	10271.6	10278.8	10289.4	10297.9	10310.6	10320.2	10334.5	10343.8	10359.4
5°	10259.6	10279.6	10306.0	10331.8	10362.7	10390.8	10425.7	10455.5	10490.6	10519.2	10555.2
7.5°	10274.0	10312.8	10359.1	10405.9	10458.7	10508.2	10563.9	10614.3	10669.4	10716.1	10767.1
10°	10284.8	10344.4	10412.8	10481.6	10554.0	10621.3	10689.2	10747.9	10802.7	10847.9	10887.8
12.5°	10270.2	10352.4	10440.2	10524.9	10605.4	10675.0	10733.5	10778.6	10809.8	10830.9	10835.9
15°	10220.9	10319.9	10415.3	10499.6	10566.4	10617.9	10644.6	10657.1	10643.7	10621.4	10572.5
17.5°	10128.8	10233.1	10318.4	10384.9	10420.2	10434.3	10412.2	10373.7	10298.6	10215.2	10094.8
20°	9959.8	10057.1	10119.0	10155.2	10145.8	10110.8	10027.4	9926.0	9776.1	9616.2	9405.3
22.5°	9663.5	9748.6	9781.5	9784.1	9726.6	9639.1	9488.6	9314.8	9078.2	8832.2	8529.7
25°	9218.8	9293.2	9298.5	9269.2	9163.7	9021.9	8801.0	8555.0	8233.5	7905.8	7526.8
27.5°	8615.6	8686.9	8669.5	8614.9	8468.5	8278.8	7996.0	7678.1	7281.8	6894.7	6475.4
30°	7857.2	7933.6	7913.1	7843.1	7668.9	7444.7	7112.0	6742.6	6302.6	5889.2	5464.3
32.5°	6949.9	7046.3	7032.2	6965.7	6783.9	6544.1	6182.9	5791.3	5341.1	4933.6	4520.3
35°	5918.4	6035.6	6041.7	5998.2	5829.5	5592.4	5235.8	4856.7	4425.4	4041.1	3659.2
37.5°	4807.2	4943.1	4971.0	4959.2	4819.4	4610.2	4285.2	3945.1	3563.2	3226.2	2899.6
40°	3689.8	3827.4	3875.1	3889.2	3786.1	3624.0	3357.3	3082.8	2771.4	2498.4	2239.0
42.5°	2670.8	2792.7	2838.9	2867.8	2803.5	2695.4	2500.8	2301.5	2073.3	1876.5	1687.7
45°	1854.9	1941.2	1976.3	2005.5	1970.4	1909.4	1786.5	1661.9	1511.3	1382.6	1260.8
47.5°	1296.9	1344.5	1367.6	1381.8	1368.2	1336.3	1269.5	1197.3	1112.3	1037.1	964.8
50°	961.3	986.6	998.7	1006.9	997.0	979.3	943.1	903.8	857.1	814.6	772.9
52.5°	761.7	776.3	783.5	787.9	782.2	771.4	750.4	727.0	699.0	672.7	658.9
55°	641.8	641.0	657.6	649.6	657.6	639.7	636.0	610.3	587.0	570.7	553.0
57.5°	529.2	536.8	540.0	543.6	541.2	537.9	529.0	519.8	507.6	497.3	486.4
60°	458.1	464.4	467.8	471.3	471.1	469.9	464.7	459.2	451.6	445.4	438.9
62.5°	409.2	414.5	418.0	421.4	421.7	421.2	417.2	413.4	408.2	404.3	399.8
65°	370.6	374.4	376.7	379.4	379.3	378.5	375.0	371.8	367.6	364.9	361.5
67.5°	330.3	333.1	334.9	337.5	338.0	338.1	336.2	334.7	332.6	331.8	330.7
70°	301.6	305.0	308.0	311.2	313.0	313.8	313.0	312.2	311.0	310.5	309.6
72.5°	279.8	282.7	285.1	288.0	289.6	290.8	290.2	289.7	288.7	288.6	287.9
75°	252.9	254.9	256.2	258.4	259.3	260.3	259.9	260.1	259.9	260.6	260.6
77.5°	220.5	221.9	222.5	224.2	224.3	225.6	225.9	227.5	228.6	231.1	232.3
80°	183.9	184.9	184.9	186.6	187.3	189.6	190.6	193.1	194.3	196.5	196.7
82.5°	142.9	141.9	142.9	142.2	144.3	146.8	147.2	149.3	149.8	151.3	150.2
85°	97.7	97.6	96.8	96.9	96.3	96.6	96.2	96.6	96.2	96.3	95.2
87.5°	46.8	47.2	46.3	46.5	45.6	46.1	45.2	45.9	44.8	45.0	43.4
90°	38.8	40.3	41.7	43.3	45.1	49.2	53.2	57.3	61.6	65.7	69.9
92.5°	49.7	51.8	53.9	55.9	58.1	64.4	70.6	76.9	83.3	89.4	95.7
95°	57.1	59.0	60.8	62.7	64.6	73.6	82.7	91.7	100.8	109.9	119.0
97.5°	64.4	65.5	66.7	67.9	69.0	79.7	90.4	101.0	111.7	122.5	133.1
100°	74.2	75.5	76.9	78.4	79.8	104.4	129.1	153.6	178.2	202.7	227.4
102.5°	125.2	133.7	142.3	151.0	159.6	219.2	279.0	338.6	398.1	457.9	517.5
105°	296.7	325.7	354.9	383.9	412.9	503.1	593.5	683.8	774.0	864.3	954.7
107.5°	610.4	661.5	712.6	763.7	814.8	899.7	984.6	1069.6	1154.5	1239.4	1324.2
110°	939.9	984.0	1028.2	1072.3	1116.4	1183.9	1251.4	1319.0	1386.5	1453.9	1521.4



TEST NUMBER: P1444504
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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°	1131.0	1157.8	1184.7	1211.6	1238.6	1288.1	1337.9	1387.4	1437.1	1486.6	1536.2
115°	1178.0	1192.3	1206.7	1221.0	1235.4	1265.5	1295.7	1325.8	1355.8	1385.9	1416.0
117.5°	1140.5	1145.8	1151.0	1156.3	1161.5	1177.2	1192.9	1208.5	1224.2	1240.0	1255.6
120°	1052.7	1052.6	1052.5	1052.3	1052.2	1057.4	1062.7	1067.8	1073.0	1078.2	1083.4
122.5°	953.5	950.4	947.3	944.1	941.0	939.9	938.8	937.6	936.7	935.4	934.3
125°	859.3	856.2	853.0	849.9	846.7	843.0	839.3	835.5	831.8	828.2	824.5
127.5°	777.8	775.1	772.5	769.7	767.0	762.7	758.6	754.4	750.2	746.0	741.8
130°	709.4	707.5	705.9	703.8	702.1	698.4	695.0	691.4	687.9	684.5	681.0
132.5°	658.5	657.4	656.2	655.1	653.9	650.8	647.8	644.7	641.6	638.5	635.5
135°	617.9	617.5	617.1	616.6	616.1	614.0	611.8	609.7	607.7	605.4	603.3
137.5°	583.6	583.9	584.2	584.4	584.7	583.0	581.3	579.6	578.0	576.3	574.6
140°	560.3	560.6	560.9	561.1	561.4	559.5	557.6	555.8	553.9	552.0	550.1
142.5°	536.8	537.2	537.4	537.7	537.9	536.5	535.1	533.8	532.4	531.1	529.7
145°	518.6	519.1	519.7	520.1	520.7	518.8	517.1	515.3	513.5	511.7	509.9
147.5°	501.2	501.7	502.3	502.8	503.4	501.9	500.3	498.8	497.3	495.7	494.3
150°	487.6	487.7	487.9	488.1	488.2	486.5	484.7	483.1	481.4	479.6	477.9
152.5°	474.2	474.4	474.6	474.8	475.0	473.2	471.2	469.4	467.5	465.4	463.6
155°	461.8	461.8	461.8	461.8	461.8	460.0	458.1	456.3	454.5	452.5	450.7
157.5°	450.7	450.8	450.9	450.9	451.0	449.3	447.7	446.1	444.5	442.7	441.1
160°	441.7	441.8	441.9	442.0	442.0	440.6	439.2	437.8	436.5	435.0	433.6
162.5°	434.8	435.0	435.0	435.1	435.2	433.8	432.4	431.0	429.6	428.2	426.8
165°	426.7	426.5	426.4	426.1	426.1	425.1	424.3	423.3	422.5	421.4	420.5
167.5°	423.9	423.6	423.5	423.3	423.2	422.6	422.0	421.2	420.5	419.7	419.1
170°	420.7	420.4	420.3	420.1	419.9	419.3	418.7	418.0	417.4	416.5	415.9
172.5°	418.1	417.6	417.3	416.9	416.5	416.0	415.5	415.1	414.7	414.2	413.7
175°	416.4	416.0	415.6	415.2	414.7	414.6	414.3	414.1	413.8	413.6	413.3
177.5°	419.5	418.9	418.1	417.4	416.8	416.6	416.4	416.2	416.1	415.8	415.6
180°	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6



TEST NUMBER: P1444504
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CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8
2.5°	10369.0	10305.0	10296.6	10301.1	10311.7	10315.7	10327.2	10330.4	10342.1	10344.9	10356.0
5°	10583.0	10498.4	10502.5	10522.9	10553.7	10572.1	10602.4	10618.2	10647.1	10660.3	10686.4
7.5°	10808.6	10742.1	10762.9	10797.2	10839.3	10868.5	10904.8	10928.6	10959.9	10979.4	11004.5
10°	10919.4	10901.1	10923.9	10951.0	10975.0	10993.8	11009.3	11021.6	11029.7	11037.3	11040.6
12.5°	10835.1	10863.2	10867.1	10864.5	10848.6	10836.5	10809.1	10790.6	10757.6	10737.6	10698.4
15°	10522.6	10584.6	10550.2	10498.3	10422.3	10358.8	10269.3	10202.7	10109.5	10046.2	9952.7
17.5°	9974.2	10052.3	9962.9	9842.7	9689.8	9559.0	9396.0	9266.8	9104.7	8986.9	8835.8
20°	9202.1	9275.2	9115.7	8916.4	8679.8	8480.7	8245.9	8058.6	7840.4	7678.1	7482.3
22.5°	8240.8	8292.9	8068.1	7799.5	7498.1	7249.4	6968.7	6744.1	6495.0	6309.5	6100.7
25°	7177.3	7191.4	6921.8	6612.3	6276.4	5996.8	5697.1	5461.0	5207.1	5018.9	4814.1
27.5°	6103.9	6083.3	5791.9	5463.8	5110.4	4819.9	4527.5	4306.3	4083.8	3914.5	3737.9
30°	5090.8	5040.9	4738.3	4401.0	4058.1	3797.6	3554.9	3377.3	3200.3	3065.9	2924.2
32.5°	4161.7	4091.3	3796.8	3480.8	3191.8	2990.8	2810.8	2676.4	2533.5	2420.0	2301.1
35°	3338.8	3263.7	3002.9	2735.0	2516.3	2368.1	2226.6	2116.4	1995.1	1899.3	1796.0
37.5°	2632.5	2571.0	2352.6	2141.7	1976.3	1861.5	1745.6	1655.4	1555.2	1513.0	1402.7
40°	2032.3	1989.4	1818.5	1663.1	1538.8	1484.9	1367.3	1283.0	1208.1	1146.4	1086.5
42.5°	1585.2	1570.0	1403.7	1282.5	1195.1	1127.1	1061.5	1008.3	956.5	914.0	873.7
45°	1163.4	1151.3	1077.4	1007.5	947.9	900.4	856.1	819.5	785.6	757.6	732.1
47.5°	905.9	902.0	859.5	816.1	778.6	748.1	719.3	695.0	672.5	653.8	647.7
50°	736.8	736.3	711.3	684.6	657.8	640.1	621.8	607.5	593.0	581.8	569.9
52.5°	626.0	623.3	606.5	589.9	574.1	562.5	550.7	541.5	532.0	525.0	517.7
55°	538.9	541.8	532.0	522.1	512.3	505.1	496.8	490.7	484.2	479.9	475.4
57.5°	478.4	482.2	477.2	471.5	465.5	460.8	455.0	450.9	446.5	443.7	441.2
60°	434.5	438.6	436.5	433.7	429.9	427.1	423.5	421.2	418.4	416.8	415.4
62.5°	397.2	402.3	401.5	400.3	397.8	396.3	394.2	393.3	391.3	390.7	390.0
65°	359.9	365.6	365.5	364.9	363.6	363.1	361.9	361.7	360.7	361.1	361.0
67.5°	330.5	335.6	336.7	337.5	337.5	337.8	337.7	338.2	338.2	338.9	339.4
70°	309.4	313.0	313.8	314.6	314.8	315.5	315.5	316.0	315.8	316.5	316.6
72.5°	288.1	292.7	293.5	294.2	294.2	294.9	294.5	294.4	293.5	293.3	292.6
75°	261.5	267.4	268.7	269.6	269.7	270.2	269.5	268.9	267.4	266.7	265.7
77.5°	233.7	239.9	240.8	241.0	240.6	240.7	239.0	237.8	235.9	235.1	234.1
80°	197.6	206.6	207.3	206.7	205.4	205.1	203.5	202.5	200.1	199.3	198.4
82.5°	150.4	161.0	162.4	163.1	161.9	162.2	160.7	160.0	157.9	157.5	156.1
85°	94.9	105.5	107.2	106.9	105.9	105.6	104.7	105.0	104.8	105.4	105.7
87.5°	43.6	53.8	56.3	55.6	55.5	54.7	53.0	53.7	54.7	55.3	55.4
90°	74.1	81.3	85.3	81.9	77.6	74.1	69.8	66.4	62.2	59.0	54.8
92.5°	102.0	108.2	114.5	108.9	103.4	97.7	92.2	86.6	81.1	75.4	69.9
95°	128.0	137.0	146.0	138.6	131.1	123.6	116.2	108.8	101.3	93.9	86.5
97.5°	143.8	154.4	165.0	157.6	150.2	142.6	135.2	127.8	120.3	112.9	105.5
100°	251.9	276.4	301.0	279.8	258.7	237.7	216.5	195.3	174.1	153.1	132.0
102.5°	577.0	636.7	696.2	642.8	589.4	535.9	482.5	429.2	375.7	322.2	268.9
105°	1044.9	1135.0	1225.2	1143.7	1062.1	980.6	899.0	817.5	735.9	654.4	572.9
107.5°	1409.2	1493.9	1578.6	1504.9	1431.4	1357.7	1284.0	1210.5	1136.8	1063.1	989.5
110°	1588.9	1656.0	1723.4	1674.0	1624.8	1575.3	1526.1	1476.7	1427.5	1378.2	1329.0



TEST NUMBER: P1444504
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CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	1585.7	1635.0	1684.3	1655.5	1626.9	1598.2	1569.5	1540.8	1512.2	1483.5	1454.9
115°	1446.0	1475.6	1505.4	1494.3	1483.2	1472.1	1461.0	1450.0	1438.9	1427.9	1416.9
117.5°	1271.1	1286.1	1301.6	1300.0	1298.3	1296.7	1295.1	1293.5	1291.9	1290.4	1288.8
120°	1088.5	1093.0	1097.9	1099.8	1102.0	1104.0	1106.1	1108.2	1110.3	1112.3	1114.5
122.5°	933.2	931.3	929.9	931.9	933.9	935.9	938.0	939.9	942.0	944.0	946.2
125°	820.8	816.1	812.2	810.9	809.7	808.4	807.1	805.9	804.6	803.3	802.2
127.5°	737.6	732.5	728.0	724.2	720.3	716.5	712.7	708.9	705.1	701.2	697.4
130°	677.4	672.9	669.1	664.1	659.1	654.0	649.1	644.1	639.1	634.1	629.1
132.5°	632.5	628.3	625.0	620.3	615.5	610.8	605.9	601.2	596.4	591.6	586.8
135°	601.2	598.0	595.5	591.2	587.1	582.7	578.4	574.1	569.8	565.5	561.3
137.5°	572.9	570.0	568.2	564.9	561.6	558.2	555.0	551.5	548.2	544.7	541.5
140°	548.3	545.1	543.0	541.4	539.7	538.0	536.4	534.6	533.0	531.4	529.6
142.5°	528.3	525.6	524.0	523.1	522.2	521.2	520.4	519.4	518.5	517.4	516.5
145°	508.1	504.9	502.8	503.0	503.4	503.6	503.9	504.2	504.5	504.7	505.0
147.5°	492.8	489.6	487.7	488.3	488.9	489.5	490.0	490.5	491.1	491.7	492.3
150°	476.2	472.6	470.4	471.2	472.0	472.9	473.8	474.6	475.4	476.3	477.1
152.5°	461.6	457.5	454.9	455.8	456.7	457.6	458.4	459.3	460.2	461.2	462.0
155°	448.7	444.3	441.8	442.1	442.5	442.9	443.3	443.8	444.3	444.7	445.2
157.5°	439.4	435.1	432.7	432.7	433.0	433.1	433.4	433.6	433.9	434.1	434.5
160°	432.3	428.0	425.9	425.9	426.1	426.2	426.4	426.6	426.9	427.1	427.4
162.5°	425.4	421.2	419.1	419.2	419.4	419.5	419.7	419.7	419.9	420.1	420.4
165°	419.5	416.2	414.5	414.8	415.2	415.5	415.9	416.4	416.7	417.1	417.6
167.5°	418.4	415.5	414.2	414.1	413.9	413.8	413.8	413.7	413.7	413.6	413.6
170°	415.1	412.8	411.6	411.7	412.0	412.1	412.2	412.5	412.6	412.8	413.1
172.5°	413.3	411.5	410.7	411.1	411.6	412.0	412.5	412.9	413.3	413.7	414.2
175°	413.2	412.1	411.8	411.9	412.2	412.4	412.7	412.9	413.2	413.3	413.7
177.5°	415.4	414.9	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.7	414.7
180°	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6



TEST NUMBER: P1444504
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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°	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8
2.5°	10358.2	10370.2	10369.3	10380.6	10380.0	10390.6	10388.5	10397.7	10395.6	10403.4	10398.8
5°	10697.9	10720.9	10728.5	10749.2	10753.5	10772.0	10772.4	10787.1	10785.4	10796.9	10790.8
7.5°	11019.3	11040.8	11051.0	11067.1	11075.1	11088.4	11093.6	11104.6	11107.2	11113.7	11113.5
10°	11046.4	11046.4	11051.3	11049.1	11053.7	11051.1	11056.6	11054.5	11062.7	11060.6	11066.7
12.5°	10681.4	10645.3	10632.0	10599.5	10592.3	10564.4	10566.4	10548.5	10557.1	10546.2	10564.9
15°	9897.0	9813.0	9771.5	9698.4	9675.5	9617.8	9613.1	9574.7	9585.1	9565.0	9594.3
17.5°	8737.9	8605.6	8533.0	8426.3	8384.0	8302.3	8285.9	8236.5	8244.2	8219.4	8254.8
20°	7355.9	7196.0	7104.5	6981.1	6926.1	6828.6	6802.9	6747.6	6754.6	6729.8	6769.9
22.5°	5958.1	5790.8	5687.4	5558.1	5487.9	5396.2	5368.8	5313.3	5316.4	5293.3	5331.7
25°	4673.7	4513.2	4412.8	4295.4	4234.4	4150.5	4121.6	4071.7	4074.5	4055.4	4090.0
27.5°	3615.4	3483.7	3399.8	3301.4	3246.7	3177.6	3149.5	3107.6	3107.4	3093.5	3122.4
30°	2825.3	2715.4	2640.0	2554.3	2502.9	2440.6	2413.4	2376.0	2374.3	2364.3	2387.3
32.5°	2212.1	2114.4	2045.6	1970.2	1924.1	1870.6	1844.9	1814.7	1812.0	1803.0	1821.8
35°	1719.6	1637.3	1578.3	1514.6	1519.4	1440.6	1453.7	1392.4	1375.8	1372.1	1386.2
37.5°	1329.1	1265.4	1217.3	1169.7	1137.5	1104.2	1086.3	1070.2	1068.3	1066.8	1076.6
40°	1040.3	995.7	960.8	928.1	905.9	885.7	874.4	865.6	863.4	862.3	868.2
42.5°	841.9	811.9	789.4	769.4	755.9	744.9	738.8	733.8	732.2	732.3	735.7
45°	711.3	693.1	678.5	666.2	657.6	661.4	650.2	656.0	648.4	656.3	651.1
47.5°	626.5	610.9	601.9	593.1	588.0	583.7	583.9	584.0	585.7	585.8	587.6
50°	560.9	551.9	545.7	540.1	537.4	535.1	535.9	536.5	538.1	538.2	539.5
52.5°	512.4	506.5	502.7	499.3	498.1	496.8	497.3	497.1	497.8	497.5	498.5
55°	473.0	470.2	469.0	467.7	467.9	467.6	467.7	466.6	465.8	464.8	465.7
57.5°	440.6	440.2	441.0	441.6	443.0	443.6	443.9	442.4	441.1	439.8	440.6
60°	415.7	416.3	418.2	419.8	422.0	422.9	423.5	422.8	421.8	420.7	421.3
62.5°	391.0	392.0	394.3	396.2	398.7	400.1	401.5	401.6	402.0	401.6	402.0
65°	362.4	363.6	365.7	367.3	369.7	370.9	372.3	372.6	373.5	373.3	374.0
67.5°	340.7	341.8	343.6	345.0	347.1	348.4	349.7	349.7	350.1	350.0	350.7
70°	317.6	318.1	319.8	320.9	323.1	324.3	325.8	326.3	327.2	327.3	328.1
72.5°	292.9	292.7	293.6	294.2	295.7	296.8	298.7	299.8	301.4	301.7	302.3
75°	266.1	265.8	266.9	267.4	268.8	269.7	272.0	273.3	275.9	276.8	276.5
77.5°	234.9	235.4	237.6	238.7	240.6	241.8	244.6	246.9	251.4	253.5	251.4
80°	200.1	200.6	202.8	204.0	206.3	207.9	211.1	213.7	217.8	218.6	217.5
82.5°	157.3	157.5	159.4	160.3	163.4	165.6	169.7	171.7	174.2	173.9	173.6
85°	107.2	108.7	111.2	113.6	117.5	121.1	124.9	128.0	125.9	129.3	125.4
87.5°	57.3	57.2	60.5	60.0	65.4	68.5	71.7	73.2	75.0	74.7	74.7
90°	51.6	49.1	47.5	44.9	43.6	40.9	39.9	37.3	36.5	33.6	37.2
92.5°	64.3	61.3	58.3	55.3	52.3	49.2	46.2	43.1	40.1	37.1	40.1
95°	79.0	76.2	73.5	70.7	67.9	65.2	62.3	59.5	56.8	54.0	57.5
97.5°	98.0	96.4	94.7	93.2	91.5	89.9	88.2	86.7	85.0	83.4	85.7
100°	110.8	110.8	110.8	110.8	110.7	110.7	110.7	110.7	110.7	110.7	112.6
102.5°	215.4	210.1	204.8	199.4	194.0	188.6	183.3	177.9	172.6	167.3	175.1
105°	491.4	470.6	449.6	428.8	407.7	386.9	365.9	345.1	324.1	303.3	324.9
107.5°	915.9	877.7	839.7	801.6	763.4	725.4	687.3	649.2	611.2	573.0	607.2
110°	1279.6	1239.2	1198.8	1158.4	1118.0	1077.5	1037.2	996.8	956.4	916.0	948.5



TEST NUMBER: P1444504
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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°	1426.2	1400.1	1374.1	1348.1	1322.1	1296.0	1270.0	1244.0	1218.0	1192.1	1207.9
115°	1405.8	1393.4	1381.0	1368.7	1356.3	1344.1	1331.7	1319.4	1307.0	1294.7	1295.7
117.5°	1287.3	1283.2	1279.1	1275.1	1271.2	1267.1	1263.1	1259.2	1255.2	1251.3	1242.5
120°	1116.7	1118.2	1119.6	1121.2	1122.7	1124.4	1125.8	1127.4	1129.0	1130.7	1118.8
122.5°	948.2	951.5	954.9	958.3	961.6	965.1	968.5	971.9	975.4	978.9	967.1
125°	800.9	804.2	807.5	810.9	814.2	817.6	821.1	824.6	828.0	831.5	821.6
127.5°	693.7	695.1	696.5	697.8	699.3	700.9	702.5	703.9	705.6	707.3	701.0
130°	624.1	623.4	622.7	622.1	621.3	620.8	620.3	619.8	619.3	618.8	615.9
132.5°	582.1	579.9	577.9	575.7	573.6	571.7	569.7	567.8	565.9	564.1	563.2
135°	556.9	553.8	550.7	547.8	544.7	541.9	538.9	536.2	533.4	530.6	530.9
137.5°	538.1	535.1	532.1	529.1	526.0	523.2	520.3	517.4	514.7	512.0	512.7
140°	528.0	524.9	521.8	518.8	515.9	512.9	510.0	507.3	504.4	501.8	502.3
142.5°	515.5	512.8	509.9	507.3	504.6	501.9	499.3	496.7	494.1	491.7	492.3
145°	505.3	503.2	501.2	499.1	497.1	495.3	493.2	491.4	489.6	487.8	488.0
147.5°	492.8	491.3	489.7	488.2	486.7	485.3	483.8	482.5	481.0	479.8	479.9
150°	477.9	477.0	475.9	474.9	474.0	473.0	472.1	471.1	470.3	469.4	469.2
152.5°	462.9	461.9	461.0	460.0	459.1	458.1	457.3	456.4	455.6	454.7	454.6
155°	445.7	445.2	444.8	444.4	443.9	443.5	443.0	442.8	442.3	442.0	442.0
157.5°	434.7	434.5	434.2	434.2	433.9	433.8	433.5	433.5	433.2	433.2	433.3
160°	427.7	427.3	426.8	426.6	426.1	425.8	425.4	425.2	424.8	424.4	424.7
162.5°	420.6	420.8	420.8	420.9	421.0	421.1	421.2	421.3	421.4	421.6	421.7
165°	418.1	417.9	417.7	417.5	417.4	417.2	417.1	417.0	416.8	416.8	417.1
167.5°	413.6	413.8	414.1	414.3	414.5	414.9	415.2	415.5	415.8	416.2	416.5
170°	413.2	413.2	413.2	413.2	413.2	413.3	413.3	413.3	413.3	413.4	413.6
172.5°	414.7	414.7	414.6	414.7	414.6	414.7	414.7	414.7	414.7	414.8	415.0
175°	413.8	414.1	414.4	414.6	414.8	415.1	415.3	415.5	415.8	416.0	416.0
177.5°	414.7	414.7	414.7	414.7	414.7	414.8	414.8	414.8	414.8	414.7	414.9
180°	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6



TEST NUMBER: P1444504
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL40

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8
2.5°	10406.4	10401.2	10406.5	10401.2	10406.5	10400.1	10404.5	10397.5	10399.3	10392.0	10393.8
5°	10799.9	10791.7	10796.0	10785.3	10786.4	10772.0	10771.8	10755.0	10750.6	10731.5	10723.1
7.5°	11118.2	11115.4	11117.0	11110.0	11109.2	11099.3	11094.7	11080.8	11072.1	11054.5	11042.5
10°	11067.7	11075.9	11078.0	11086.3	11088.0	11096.1	11097.9	11106.0	11107.8	11113.8	11113.9
12.5°	10564.0	10591.5	10598.1	10632.2	10646.5	10685.4	10706.3	10749.2	10774.6	10817.5	10843.7
15°	9593.5	9641.2	9660.2	9726.6	9763.4	9841.0	9889.6	9978.7	10041.6	10136.1	10203.6
17.5°	8257.9	8324.5	8354.5	8444.6	8503.4	8617.9	8700.3	8836.1	8940.1	9091.0	9210.6
20°	6776.8	6850.8	6891.6	6994.3	7063.7	7197.4	7300.4	7467.2	7606.4	7797.7	7961.2
22.5°	5343.9	5414.3	5459.5	5564.1	5642.2	5781.7	5896.8	6072.9	6228.8	6444.3	6640.3
25°	4103.0	4167.6	4208.5	4303.1	4376.5	4504.7	4614.5	4783.9	4936.5	5152.7	5353.7
27.5°	3136.7	3190.8	3230.3	3310.9	3375.5	3484.2	3578.7	3718.7	3850.2	4037.1	4216.2
30°	2401.5	2449.4	2487.8	2558.0	2618.0	2712.2	2795.2	2912.8	3021.6	3170.4	3312.8
32.5°	1835.1	1876.3	1910.5	1972.0	2026.4	2111.3	2186.1	2289.2	2382.6	2508.7	2625.9
35°	1399.2	1480.3	1474.6	1559.4	1573.0	1633.9	1700.7	1790.8	1873.5	1980.8	2080.5
37.5°	1086.0	1108.9	1133.3	1170.7	1210.2	1265.5	1322.0	1432.0	1472.5	1553.5	1636.0
40°	875.8	891.2	907.4	932.7	960.2	999.3	1040.3	1092.9	1146.7	1212.4	1279.6
42.5°	740.4	749.1	759.4	774.2	791.3	816.0	843.5	879.1	916.6	962.8	1010.1
45°	661.5	657.3	660.4	668.4	678.6	693.7	711.0	733.0	757.5	787.4	819.3
47.5°	588.0	589.6	590.5	594.9	600.4	610.5	620.9	636.0	664.9	673.6	691.0
50°	539.4	540.2	539.9	542.1	544.9	551.4	558.2	568.4	578.5	592.0	604.8
52.5°	498.7	499.7	499.6	501.1	502.6	506.7	511.0	518.2	524.9	533.4	540.7
55°	466.5	468.0	468.7	469.9	470.7	472.8	474.5	477.9	480.7	485.6	490.0
57.5°	441.8	443.9	444.9	445.3	444.5	444.4	443.8	444.5	445.1	447.7	450.2
60°	422.3	424.0	424.3	424.0	422.5	421.3	419.5	418.9	418.6	419.8	421.2
62.5°	401.9	402.6	402.1	401.6	399.8	398.7	396.8	396.1	395.4	396.4	397.1
65°	373.8	374.3	373.8	373.4	371.8	370.9	369.3	368.7	367.9	368.1	368.0
67.5°	350.8	351.4	351.0	350.5	349.5	348.9	347.7	346.9	345.9	345.4	344.6
70°	328.0	328.4	327.8	327.3	326.1	325.6	324.5	324.2	323.4	323.2	322.3
72.5°	301.7	301.8	300.9	300.7	299.7	299.6	299.2	299.6	299.6	300.0	299.8
75°	275.0	274.6	273.4	273.2	272.5	272.9	272.4	273.0	273.0	274.0	274.2
77.5°	248.0	246.7	244.4	243.5	242.0	241.8	241.0	241.5	241.3	242.5	243.0
80°	214.1	212.3	209.5	208.3	206.5	206.2	205.5	206.2	205.9	207.2	208.2
82.5°	170.9	169.4	166.6	165.5	163.5	163.7	162.8	163.7	163.6	165.5	166.7
85°	126.4	125.5	122.5	119.8	116.9	115.2	113.5	113.3	112.7	113.5	114.2
87.5°	73.0	72.1	69.8	68.3	63.1	63.3	61.3	61.2	60.7	60.2	61.3
90°	38.8	42.1	43.8	47.0	48.9	52.3	54.2	57.5	59.8	63.7	66.2
92.5°	43.1	46.2	49.2	52.3	55.3	58.3	61.3	64.3	70.8	77.2	83.8
95°	61.0	64.5	68.0	71.4	74.9	78.3	81.8	85.3	94.8	104.3	113.8
97.5°	88.0	90.4	92.7	95.0	97.3	99.7	102.0	104.3	114.5	124.8	135.0
100°	114.4	116.3	118.1	120.0	121.9	123.7	125.6	127.4	147.3	167.0	186.7
102.5°	183.1	190.9	198.9	206.7	214.8	222.6	230.6	238.4	283.7	329.0	374.3
105°	346.4	368.1	389.8	411.3	432.9	454.6	476.1	497.7	570.1	642.6	715.1
107.5°	641.3	675.4	709.6	743.7	777.8	812.0	846.1	880.3	950.9	1021.6	1092.2
110°	981.0	1013.4	1045.9	1078.6	1111.1	1143.6	1176.1	1208.6	1251.0	1293.3	1335.6



TEST NUMBER: P1444504
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CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	1223.7	1239.4	1255.2	1271.1	1286.9	1302.7	1318.5	1334.4	1355.4	1376.4	1397.4
115°	1296.7	1297.6	1298.5	1299.6	1300.5	1301.5	1302.5	1303.6	1310.1	1316.4	1322.9
117.5°	1233.6	1224.9	1216.1	1207.5	1198.7	1190.0	1181.3	1172.7	1170.9	1169.3	1167.5
120°	1107.2	1095.4	1083.6	1071.7	1060.1	1048.4	1036.7	1025.1	1018.8	1012.5	1006.3
122.5°	955.4	943.5	931.9	920.1	908.3	896.7	885.2	873.5	869.0	864.2	859.8
125°	811.6	801.8	791.9	782.0	772.3	762.5	752.8	743.1	742.2	741.3	740.5
127.5°	694.9	688.7	682.6	676.6	670.5	664.5	658.6	652.6	654.3	656.0	657.8
130°	613.0	610.1	607.4	604.4	601.7	599.0	596.3	593.6	597.3	600.8	604.6
132.5°	562.5	561.7	561.0	560.2	559.7	559.1	558.5	557.9	562.3	566.5	570.8
135°	531.3	531.6	532.2	532.6	533.3	533.7	534.4	534.8	539.0	543.0	547.2
137.5°	513.6	514.4	515.4	516.3	517.3	518.3	519.3	520.3	523.5	526.6	529.7
140°	502.9	503.4	504.2	504.9	505.7	506.3	507.2	507.9	510.4	512.7	515.2
142.5°	492.9	493.3	494.1	494.8	495.6	496.2	496.9	497.7	499.4	501.0	502.7
145°	488.5	488.8	489.3	489.7	490.1	490.6	491.1	491.6	492.6	493.3	494.3
147.5°	480.0	480.1	480.3	480.4	480.7	480.9	481.1	481.3	481.7	482.2	482.7
150°	469.1	469.0	469.0	468.8	468.8	468.8	468.8	468.7	469.1	469.6	470.0
152.5°	454.5	454.4	454.2	454.1	454.0	454.0	453.8	453.8	454.2	454.7	455.0
155°	442.1	442.2	442.4	442.5	442.7	442.8	443.0	443.1	443.3	443.4	443.6
157.5°	433.4	433.5	433.7	433.8	434.0	434.1	434.2	434.4	434.6	434.7	434.8
160°	425.1	425.5	425.8	426.2	426.5	426.8	427.3	427.6	427.8	427.9	428.1
162.5°	421.9	422.0	422.2	422.3	422.4	422.6	422.7	422.9	423.2	423.6	423.9
165°	417.5	417.9	418.3	418.6	419.0	419.4	419.7	420.1	420.2	420.3	420.5
167.5°	416.8	417.1	417.6	417.9	418.4	418.7	419.2	419.5	419.6	419.7	419.8
170°	414.1	414.4	414.8	415.1	415.5	415.8	416.3	416.5	416.8	417.2	417.5
172.5°	415.4	415.6	416.0	416.2	416.5	416.8	417.2	417.5	417.8	418.2	418.4
175°	416.0	416.0	416.0	416.1	416.1	416.1	416.1	416.2	416.3	416.3	416.3
177.5°	415.2	415.4	415.6	415.9	416.1	416.3	416.5	416.7	416.7	416.7	416.7
180°	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6



TEST NUMBER: P1444504
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL40

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8
2.5°	10386.6	10387.1	10378.7	10378.2	10370.4	10369.4	10361.7	10359.4	10353.2	10351.0	10344.6
5°	10701.7	10691.5	10668.0	10654.1	10630.7	10615.3	10590.1	10573.6	10549.3	10530.9	10506.4
7.5°	11020.4	11004.6	10978.1	10956.6	10924.3	10898.5	10860.7	10829.7	10788.7	10753.2	10710.1
10°	11113.9	11111.5	11104.7	11094.9	11079.9	11063.0	11037.2	11010.3	10974.5	10935.4	10887.6
12.5°	10883.9	10908.7	10942.6	10962.7	10987.1	10997.8	11007.8	11005.3	10998.7	10979.0	10951.4
15°	10301.3	10371.1	10463.5	10535.1	10617.5	10677.4	10743.5	10784.7	10825.8	10844.8	10856.5
17.5°	9374.5	9506.6	9672.3	9809.6	9968.1	10095.4	10234.8	10339.8	10447.9	10525.2	10595.1
20°	8184.1	8375.5	8609.8	8816.9	9057.6	9266.8	9496.1	9684.3	9878.3	10030.0	10173.7
22.5°	6892.8	7120.2	7403.5	7665.9	7976.3	8255.2	8569.9	8843.7	9129.7	9368.6	9599.5
25°	5623.1	5872.4	6182.2	6475.0	6826.5	7150.9	7524.2	7865.5	8235.1	8555.9	8872.9
27.5°	4463.6	4708.5	5024.8	5336.4	5708.1	6053.7	6453.6	6829.7	7250.5	7638.6	8035.5
30°	3510.7	3718.3	4001.9	4303.9	4670.4	5022.1	5426.4	5813.1	6250.9	6674.6	7121.8
32.5°	2781.5	2939.6	3162.6	3417.8	3756.0	4090.9	4475.8	4849.2	5280.3	5708.3	6173.4
35°	2209.0	2332.3	2502.3	2701.6	2988.0	3276.6	3617.1	3956.5	4358.7	4764.9	5216.9
37.5°	1741.9	1842.0	1975.1	2124.8	2354.5	2591.4	2870.6	3152.0	3501.5	3861.5	4271.2
40°	1360.2	1441.2	1544.9	1656.5	1830.0	2012.5	2228.4	2446.6	2727.4	3021.7	3360.7
42.5°	1068.5	1128.3	1201.6	1283.1	1444.9	1541.9	1688.3	1846.2	2052.6	2266.2	2521.1
45°	858.1	898.9	949.7	1004.4	1079.6	1161.7	1262.0	1367.2	1563.2	1659.4	1814.5
47.5°	716.6	744.0	776.4	810.8	855.1	902.9	962.3	1023.1	1101.8	1183.2	1278.7
50°	621.3	649.2	660.3	678.2	703.8	731.1	764.6	798.1	840.3	883.0	932.2
52.5°	550.6	559.7	571.8	583.1	598.9	630.1	640.1	657.6	681.3	704.4	730.2
55°	496.5	502.5	510.3	517.2	526.8	536.0	549.2	560.9	576.6	590.6	607.8
57.5°	454.6	458.3	463.8	468.2	474.4	479.7	487.4	493.7	502.8	510.7	521.1
60°	424.0	426.5	430.1	433.1	437.0	439.7	443.6	446.6	451.4	455.3	461.2
62.5°	399.0	400.4	402.8	404.4	406.9	408.3	410.3	411.7	414.3	416.4	419.6
65°	369.1	369.4	371.0	371.8	373.7	374.5	376.1	376.7	378.9	380.4	383.2
67.5°	344.6	343.9	343.9	343.3	343.6	343.1	343.2	342.6	343.4	343.9	346.1
70°	322.2	321.2	320.9	319.9	319.6	318.5	318.2	317.3	317.2	316.9	317.6
72.5°	300.4	300.1	300.2	299.4	299.3	298.6	298.6	298.3	298.7	298.9	299.9
75°	275.3	275.3	275.9	275.2	275.4	274.8	275.0	274.4	274.7	274.6	275.6
77.5°	244.7	245.4	246.8	246.5	246.9	246.2	246.5	245.7	246.0	245.4	245.8
80°	210.3	211.9	213.6	213.6	214.4	213.8	214.5	213.8	214.1	213.1	212.9
82.5°	169.6	170.8	172.8	172.8	174.5	174.8	176.7	176.6	177.7	177.1	176.5
85°	115.9	116.7	118.5	119.4	121.1	122.2	123.9	124.7	123.3	125.8	123.9
87.5°	60.5	62.7	61.5	64.5	63.8	66.7	66.1	68.8	68.3	70.7	70.4
90°	70.5	73.3	77.6	80.4	85.1	88.2	86.5	82.9	81.2	77.6	75.9
92.5°	90.2	96.9	103.4	109.9	116.4	122.9	116.8	110.8	104.7	98.7	92.7
95°	123.3	132.9	142.4	151.9	161.4	170.9	160.8	150.5	140.3	130.1	119.8
97.5°	145.2	155.4	165.6	175.8	186.1	196.3	184.1	172.1	160.0	148.1	135.9
100°	206.4	226.2	245.9	265.7	285.5	305.2	282.7	260.1	237.8	215.3	192.7
102.5°	419.7	464.8	510.1	555.5	600.8	646.1	598.3	550.6	502.7	454.8	407.0
105°	787.5	860.1	932.5	1005.0	1077.4	1150.0	1072.5	995.0	917.5	840.0	762.5
107.5°	1162.9	1233.4	1304.1	1374.7	1445.4	1516.1	1437.5	1358.8	1280.2	1201.6	1122.9
110°	1377.9	1420.3	1462.7	1504.9	1547.3	1589.8	1532.3	1474.8	1417.4	1359.8	1302.3



TEST NUMBER: P1444504
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL40

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	1418.4	1439.5	1460.4	1481.6	1502.5	1523.7	1482.5	1441.3	1399.9	1358.8	1317.6
115°	1329.3	1335.7	1342.1	1348.6	1355.0	1361.5	1333.5	1305.7	1277.7	1249.7	1221.8
117.5°	1165.9	1164.3	1162.7	1161.0	1159.3	1157.7	1141.9	1126.1	1110.1	1094.3	1078.4
120°	1000.1	993.7	987.5	981.3	975.0	968.7	961.8	954.8	947.7	940.7	933.6
122.5°	855.1	850.6	846.0	841.4	836.7	832.1	829.0	826.1	823.0	820.0	816.9
125°	739.7	738.9	738.0	737.1	736.2	735.4	733.5	731.7	729.8	728.0	726.1
127.5°	659.4	661.3	662.9	664.7	666.4	668.1	667.1	666.3	665.4	664.5	663.5
130°	608.0	611.7	615.2	618.9	622.3	626.0	624.6	623.3	621.9	620.6	619.2
132.5°	575.2	579.3	583.6	588.0	592.1	596.4	594.9	593.3	591.7	590.2	588.6
135°	551.1	555.2	559.2	563.3	567.2	571.2	569.4	567.6	565.7	564.0	562.2
137.5°	532.8	536.0	539.0	542.0	545.1	548.2	546.3	544.5	542.7	541.0	539.1
140°	517.5	519.9	522.1	524.7	526.9	529.3	527.2	525.1	523.0	521.0	518.9
142.5°	504.3	506.0	507.6	509.2	510.9	512.5	509.9	507.4	504.8	502.3	499.7
145°	495.3	496.3	497.1	498.1	498.9	499.8	496.9	494.2	491.3	488.5	485.6
147.5°	483.1	483.5	483.8	484.2	484.6	485.1	482.4	479.8	477.2	474.4	471.8
150°	470.3	470.8	471.1	471.4	471.9	472.2	469.5	466.9	464.2	461.4	458.9
152.5°	455.4	455.8	456.2	456.5	456.9	457.2	454.8	452.2	449.8	447.3	444.8
155°	443.7	443.9	444.0	444.1	444.2	444.3	442.1	440.2	438.2	436.1	434.0
157.5°	434.9	435.1	435.2	435.3	435.4	435.5	433.8	432.3	430.7	429.2	427.5
160°	428.2	428.3	428.4	428.5	428.6	428.7	427.3	426.0	424.7	423.3	421.9
162.5°	424.3	424.7	425.1	425.3	425.8	426.0	424.4	422.9	421.3	419.7	418.0
165°	420.6	420.7	420.8	420.9	421.0	421.1	419.9	418.9	417.7	416.6	415.6
167.5°	419.9	420.0	420.1	420.2	420.2	420.3	419.3	418.2	417.0	415.9	414.7
170°	417.8	418.2	418.5	418.7	419.1	419.3	418.4	417.5	416.5	415.8	414.8
172.5°	418.7	419.1	419.3	419.6	419.8	420.1	419.2	418.3	417.3	416.5	415.5
175°	416.3	416.4	416.5	416.5	416.5	416.5	415.8	415.1	414.4	413.7	413.0
177.5°	416.7	416.7	416.7	416.7	416.7	416.7	416.3	415.8	415.4	414.9	414.3
180°	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6



TEST NUMBER: P1444504
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL40

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8	10277.8
2.5°	10342.4	10337.9	10335.0	10331.3	10329.1	10326.2	10324.1	10322.3	10320.8	10319.5	10318.5
5°	10487.8	10464.7	10446.8	10427.3	10411.4	10395.4	10383.2	10373.0	10366.0	10360.7	10357.6
7.5°	10673.0	10630.6	10593.0	10553.3	10517.9	10483.0	10452.9	10426.9	10407.4	10394.8	10387.3
10°	10838.3	10781.7	10725.6	10666.7	10610.7	10556.5	10506.4	10462.4	10427.6	10404.4	10390.9
12.5°	10912.4	10864.2	10807.0	10742.9	10674.5	10605.1	10537.5	10476.6	10425.5	10391.1	10371.3
15°	10847.1	10827.4	10788.5	10738.8	10673.8	10602.1	10522.8	10448.1	10379.6	10335.1	10309.3
17.5°	10634.8	10662.4	10659.5	10640.5	10593.7	10533.4	10452.5	10368.7	10282.9	10223.5	10191.0
20°	10276.4	10363.4	10407.4	10430.1	10411.7	10372.6	10299.4	10214.4	10114.4	10036.7	9989.3
22.5°	9772.8	9926.3	10022.0	10091.9	10106.7	10093.5	10028.8	9947.9	9836.4	9743.1	9673.1
25°	9124.5	9349.4	9500.5	9619.0	9665.1	9676.9	9621.9	9541.5	9417.2	9308.5	9212.4
27.5°	8360.9	8653.1	8854.9	9014.1	9086.0	9117.1	9066.5	8984.5	8837.4	8707.7	8582.1
30°	7501.3	7847.9	8090.9	8281.8	8369.4	8410.6	8356.8	8265.2	8094.1	7937.9	7779.7
32.5°	6581.1	6960.4	7225.2	7432.5	7519.3	7558.1	7487.7	7384.9	7187.1	7003.2	6818.7
35°	5617.8	6000.6	6267.6	6469.5	6542.2	6565.6	6475.6	6356.7	6137.6	5935.7	5734.5
37.5°	4634.8	4991.0	5233.7	5414.7	5459.8	5463.8	5355.4	5224.1	4993.8	4794.8	4594.5
40°	3660.3	3960.7	4156.7	4301.6	4317.2	4303.3	4185.5	4053.3	3837.9	3659.5	3483.7
42.5°	2742.4	2969.2	3109.0	3208.3	3202.4	3174.8	3066.8	2953.2	2775.4	2639.6	2501.3
45°	1956.0	2105.5	2187.3	2245.4	2226.7	2200.5	2116.4	2036.8	1916.0	1828.2	1735.3
47.5°	1358.9	1537.4	1506.3	1620.0	1522.1	1586.8	1452.1	1377.8	1313.7	1267.1	1214.5
50°	972.8	1013.7	1033.5	1047.0	1039.8	1029.9	1005.7	984.1	954.8	933.5	908.5
52.5°	751.3	771.7	783.0	791.1	789.5	785.9	775.3	765.7	751.9	742.9	732.1
55°	636.4	636.7	657.3	648.5	661.5	646.3	652.3	635.3	638.0	623.5	613.7
57.5°	528.8	537.2	541.0	544.6	543.6	543.0	538.9	536.8	532.2	530.8	527.5
60°	465.1	469.6	470.5	472.1	470.8	470.2	467.0	465.8	462.8	462.2	460.0
62.5°	421.5	423.7	423.7	423.7	422.0	420.1	416.6	414.8	412.2	411.6	410.3
65°	385.1	387.5	387.8	388.3	387.0	385.6	382.5	380.5	377.8	376.7	375.2
67.5°	347.5	349.9	350.8	352.1	351.3	351.0	348.9	348.1	346.3	345.9	344.6
70°	317.9	319.0	318.9	318.9	317.3	315.7	313.3	312.1	310.2	309.8	308.6
72.5°	300.4	301.2	300.7	300.0	297.9	295.6	292.7	290.6	288.2	286.7	285.0
75°	275.7	276.6	276.1	275.7	273.7	272.3	269.9	268.8	267.0	266.5	265.4
77.5°	245.3	245.8	244.8	244.7	243.2	242.3	240.6	240.3	239.0	239.0	237.8
80°	211.6	211.3	209.7	209.3	207.9	207.5	206.1	206.2	205.3	205.7	204.9
82.5°	174.0	173.1	171.0	170.5	168.7	168.5	167.6	168.4	167.7	168.7	168.1
85°	124.8	125.0	124.1	124.1	123.6	123.7	123.7	124.2	124.3	125.2	125.1
87.5°	69.5	70.6	70.4	71.3	71.3	72.2	72.6	74.1	74.3	75.7	75.7
90°	72.3	70.8	67.2	65.6	63.8	63.8	62.2	62.2	60.5	60.3	58.2
92.5°	86.7	80.6	74.6	68.6	65.5	62.4	59.5	56.3	53.4	50.3	47.2
95°	109.7	99.5	89.2	79.0	75.5	72.0	68.6	65.1	61.7	58.2	54.7
97.5°	123.9	111.8	99.8	87.7	84.6	81.6	78.5	75.5	72.4	69.4	66.4
100°	170.2	147.7	125.1	102.6	100.1	97.4	94.9	92.4	89.8	87.2	84.6
102.5°	359.3	311.4	263.6	215.8	206.8	197.7	188.7	179.6	170.5	161.4	152.4
105°	685.0	607.5	530.0	452.4	427.8	403.2	378.6	354.0	329.4	304.8	280.2
107.5°	1044.2	965.5	886.9	808.2	762.7	717.2	671.7	626.2	580.7	535.2	489.7
110°	1244.8	1187.3	1129.8	1072.2	1035.7	999.0	962.3	925.6	888.9	852.3	815.5



TEST NUMBER: P1444504
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL40

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1276.4	1235.0	1193.8	1152.5	1135.9	1119.1	1102.6	1085.9	1069.1	1052.4	1035.7
115°	1193.8	1165.8	1137.8	1109.7	1103.8	1097.8	1091.9	1085.9	1079.8	1073.8	1067.7
117.5°	1062.6	1046.6	1030.7	1014.9	1015.6	1016.4	1017.2	1018.0	1018.7	1019.4	1020.1
120°	926.7	919.6	912.5	905.5	910.3	915.0	919.9	924.5	929.2	933.8	938.5
122.5°	813.9	810.8	807.8	804.6	810.4	816.1	821.9	827.5	833.2	838.7	844.3
125°	724.3	722.4	720.5	718.6	724.3	730.1	735.8	741.5	747.2	752.8	758.3
127.5°	662.6	661.7	660.8	659.8	663.8	667.7	671.6	675.3	679.2	682.9	686.7
130°	617.8	616.5	615.1	613.8	617.3	620.7	624.1	627.4	630.9	634.1	637.4
132.5°	587.0	585.4	583.8	582.3	584.6	586.8	589.2	591.3	593.6	595.6	597.8
135°	560.4	558.5	556.8	554.9	556.9	559.1	561.2	563.2	565.1	566.9	569.0
137.5°	537.4	535.4	533.7	531.7	533.7	535.5	537.3	539.0	540.8	542.5	544.1
140°	516.9	514.8	512.7	510.6	512.2	513.8	515.4	516.9	518.5	519.8	521.3
142.5°	497.1	494.4	492.1	489.4	490.5	491.6	492.7	493.6	494.8	495.7	496.6
145°	482.8	479.9	477.1	474.2	475.0	475.8	476.8	477.5	478.3	479.0	479.8
147.5°	469.2	466.5	463.9	461.2	461.8	462.4	462.9	463.4	464.1	464.5	464.9
150°	456.1	453.4	450.8	448.0	448.5	449.1	449.5	450.1	450.6	451.1	451.5
152.5°	442.2	439.8	437.2	434.7	435.2	435.7	436.0	436.5	437.0	437.5	437.8
155°	432.0	429.8	427.8	425.7	426.1	426.6	427.0	427.4	427.8	428.3	428.6
157.5°	425.9	424.2	422.7	420.9	421.1	421.3	421.5	421.6	421.8	422.0	422.1
160°	420.5	419.2	417.7	416.3	416.4	416.6	416.7	416.8	417.0	417.0	417.1
162.5°	416.4	414.8	413.2	411.5	411.6	411.8	412.0	412.1	412.2	412.4	412.4
165°	414.4	413.3	412.1	410.8	410.8	410.7	410.7	410.5	410.4	410.3	410.1
167.5°	413.5	412.4	411.2	410.0	410.1	410.3	410.4	410.6	410.8	410.9	411.0
170°	413.9	412.9	412.0	411.0	410.9	410.9	410.8	410.7	410.6	410.5	410.4
172.5°	414.6	413.6	412.8	411.7	411.7	411.6	411.6	411.5	411.4	411.3	411.3
175°	412.3	411.6	410.8	410.1	410.1	410.1	410.1	410.0	409.9	409.9	409.8
177.5°	413.8	413.4	413.0	412.5	412.4	412.4	412.4	412.3	412.3	412.3	412.3
180°	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6



TEST NUMBER: P1444504
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL40

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	10277.8	10277.8
2.5°	10317.6	10317.1
5°	10355.9	10355.4
7.5°	10385.1	10384.9
10°	10388.6	10390.4
12.5°	10367.9	10369.3
15°	10307.4	10310.2
17.5°	10191.6	10195.3
20°	9992.2	9996.1
22.5°	9669.3	9671.0
25°	9200.0	9193.4
27.5°	8560.1	8548.6
30°	7746.6	7735.4
32.5°	6776.7	6769.7
35°	5684.9	5680.5
37.5°	4535.4	4526.5
40°	3419.5	3393.5
42.5°	2440.7	2395.2
45°	1686.8	1632.7
47.5°	1177.5	1144.2
50°	892.5	881.8
52.5°	727.3	724.8
55°	613.7	612.5
57.5°	528.2	527.9
60°	461.2	461.1
62.5°	411.1	411.3
65°	375.9	376.0
67.5°	344.9	344.7
70°	309.1	308.8
72.5°	284.4	284.0
75°	265.4	265.1
77.5°	238.2	237.8
80°	205.4	204.9
82.5°	168.9	168.3
85°	126.1	126.1
87.5°	77.1	77.1
90°	57.9	55.7
92.5°	44.3	41.4
95°	51.2	47.7
97.5°	63.4	60.4
100°	82.0	79.5
102.5°	143.3	134.3
105°	255.6	231.0
107.5°	444.2	398.7
110°	778.9	742.2



TEST NUMBER: P1444504
CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL40

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	1019.0	1002.3
115°	1061.6	1055.6
117.5°	1020.8	1021.5
120°	943.1	947.7
122.5°	849.9	855.4
125°	763.9	769.4
127.5°	690.4	694.0
130°	640.4	643.7
132.5°	599.8	601.7
135°	570.7	572.5
137.5°	545.6	547.2
140°	522.5	523.9
142.5°	497.5	498.4
145°	480.4	481.0
147.5°	465.2	465.7
150°	451.8	452.2
152.5°	438.2	438.6
155°	428.9	429.3
157.5°	422.2	422.2
160°	417.2	417.3
162.5°	412.6	412.6
165°	410.0	409.9
167.5°	411.1	411.2
170°	410.3	410.2
172.5°	411.2	411.1
175°	409.8	409.8
177.5°	412.3	412.2
180°	414.6	414.6

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

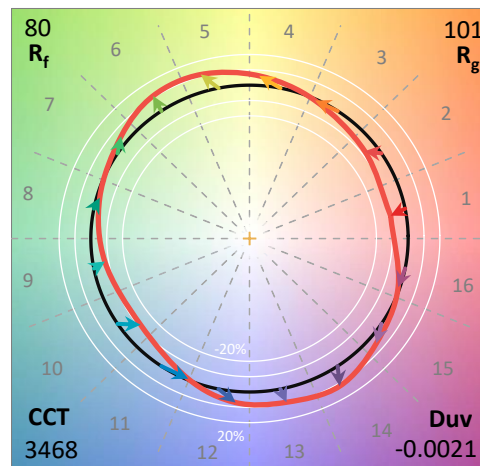
Test Information

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

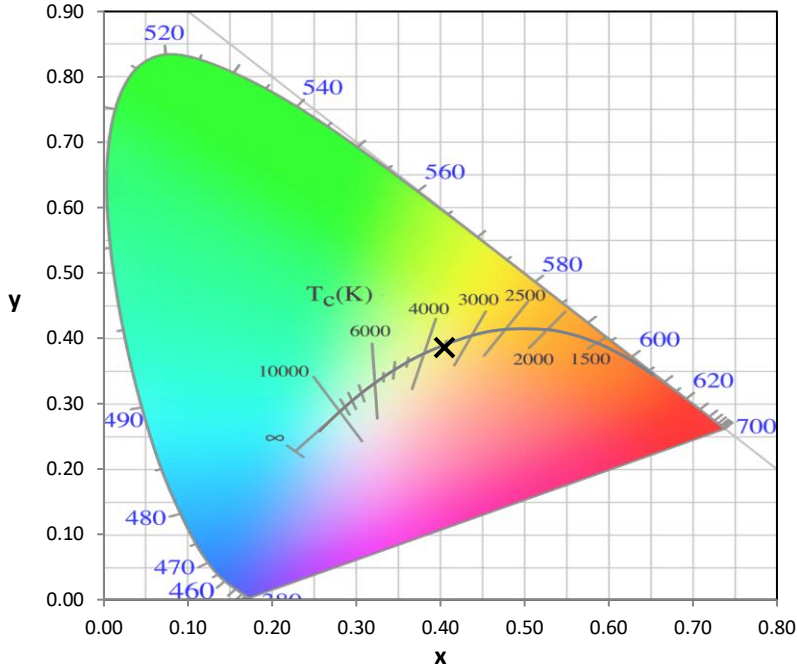
Stabilization Time: 39M
 Operation Time: 1H 39M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-3

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

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CIE 1931 Chromaticity Diagram



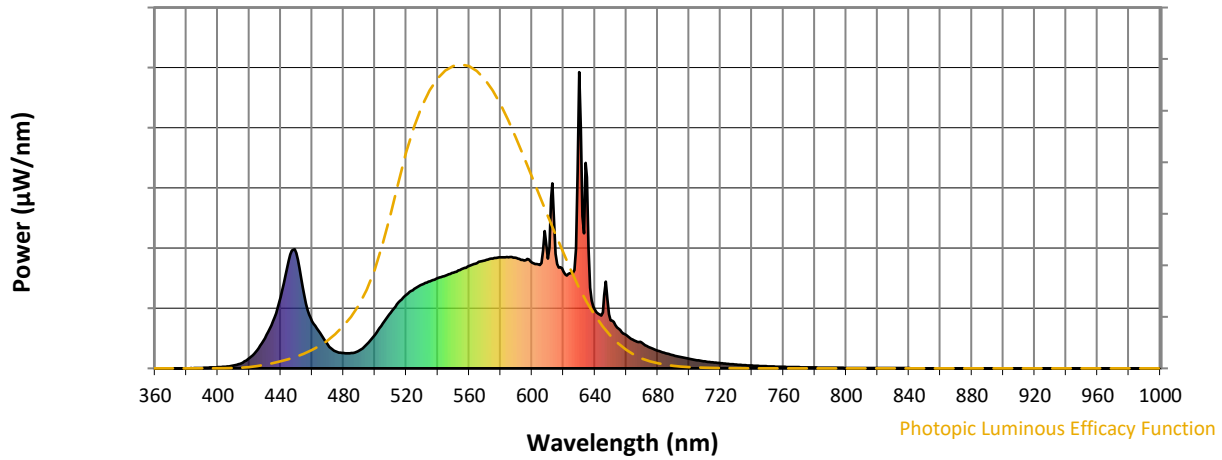
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 4-step quadrangle

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Photopic Flux vs. Wavelength

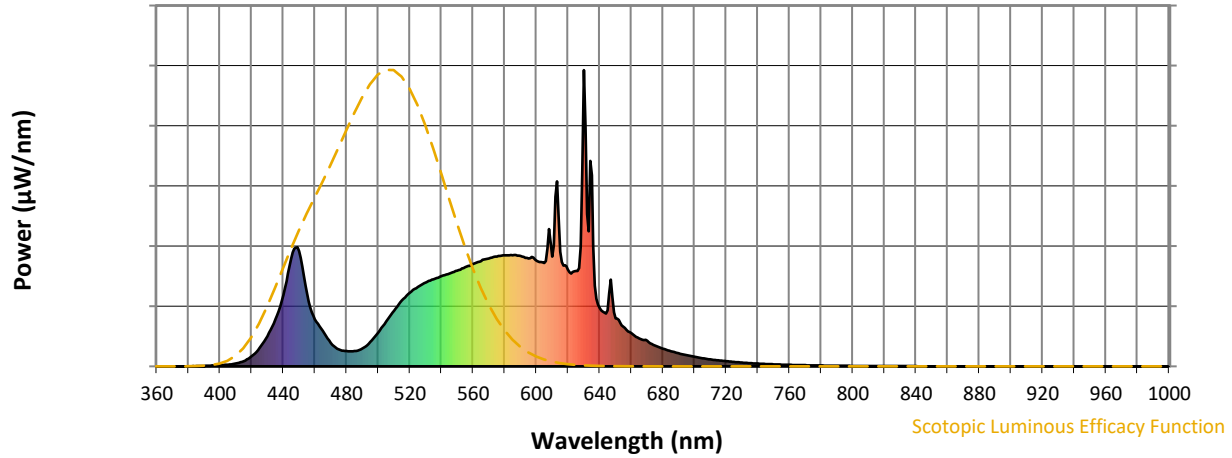


Photopic Lumens: NR

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

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.43

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

REPORT NUMBER: SP1-2506-472-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.75

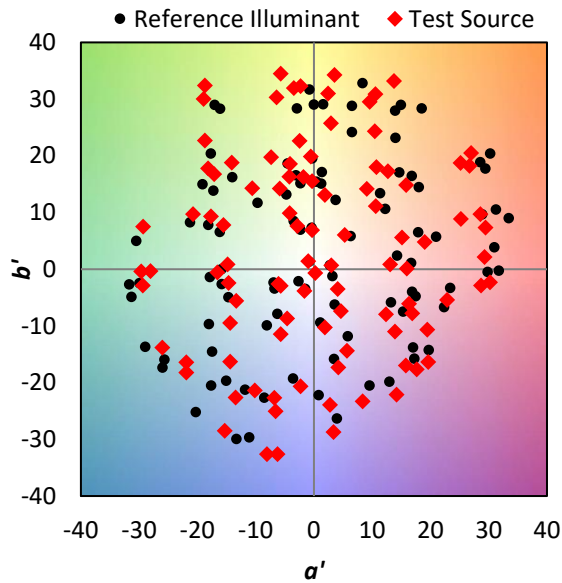
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	60	NR	620	327	NR	750	7	NR	880	0	NR
365	0	NR	495	82	NR	625	322	NR	755	6	NR	885	0	NR
370	0	NR	500	114	NR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

Summary

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

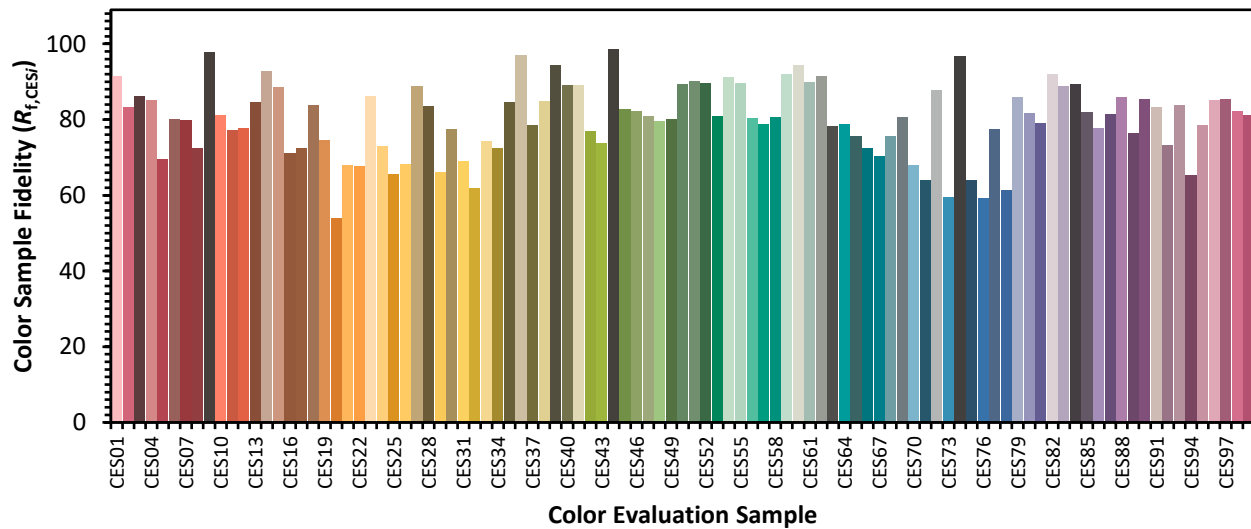


Color Vector Graphics

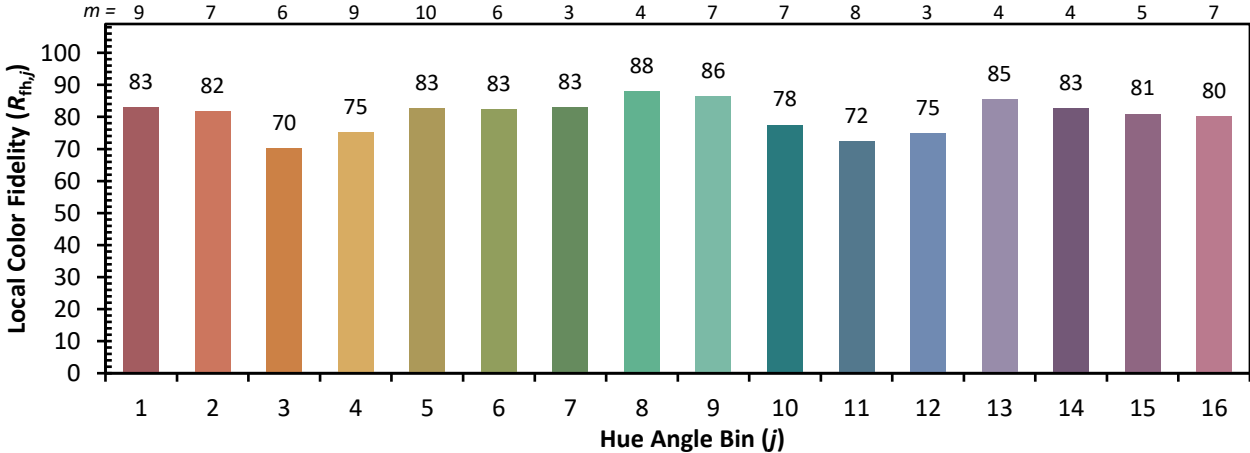


Individual Sample Fidelity Index ($R_{f,i}$)

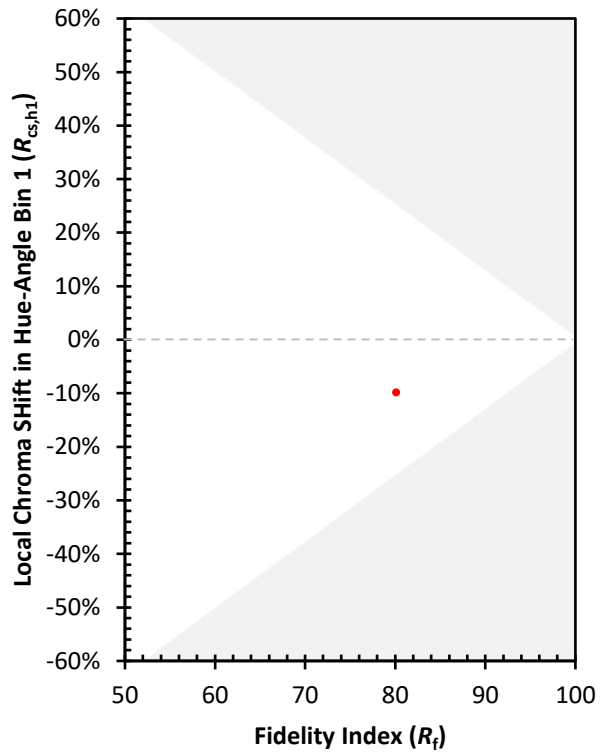
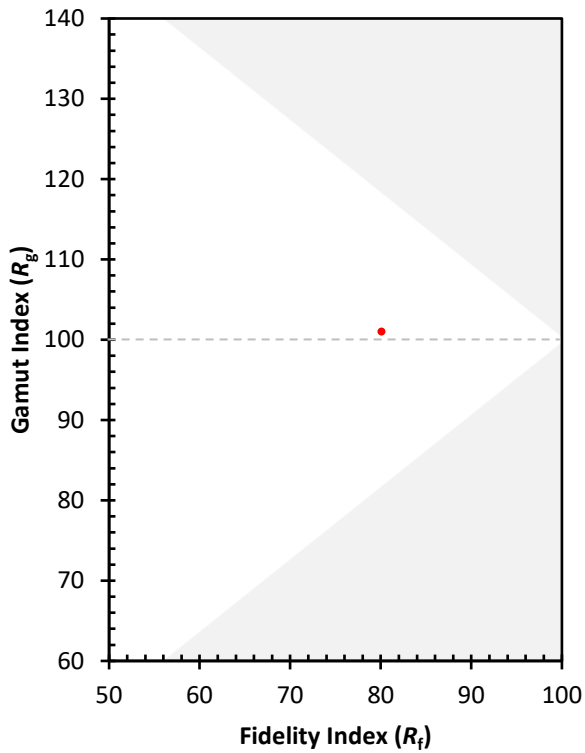
CES01 = 86	CES26 = 68	CES51 = 90	CES76 = 59
CES02 = 62	CES27 = 89	CES52 = 90	CES77 = 78
CES03 = 31	CES28 = 84	CES53 = 81	CES78 = 61
CES04 = 70	CES29 = 66	CES54 = 91	CES79 = 86
CES05 = 49	CES30 = 77	CES55 = 90	CES80 = 82
CES06 = 51	CES31 = 69	CES56 = 80	CES81 = 79
CES07 = 42	CES32 = 62	CES57 = 79	CES82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



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)