

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: P1444501

Luminaire Tested: EHBR1-12-UNV-TA-L835-UPL24

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444501
REPORT IS A COMBINATION OF REPORTS P1444327 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-UPL24
Description: Elevate Round Highbay at, 12000 lumens, 3500K 80CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

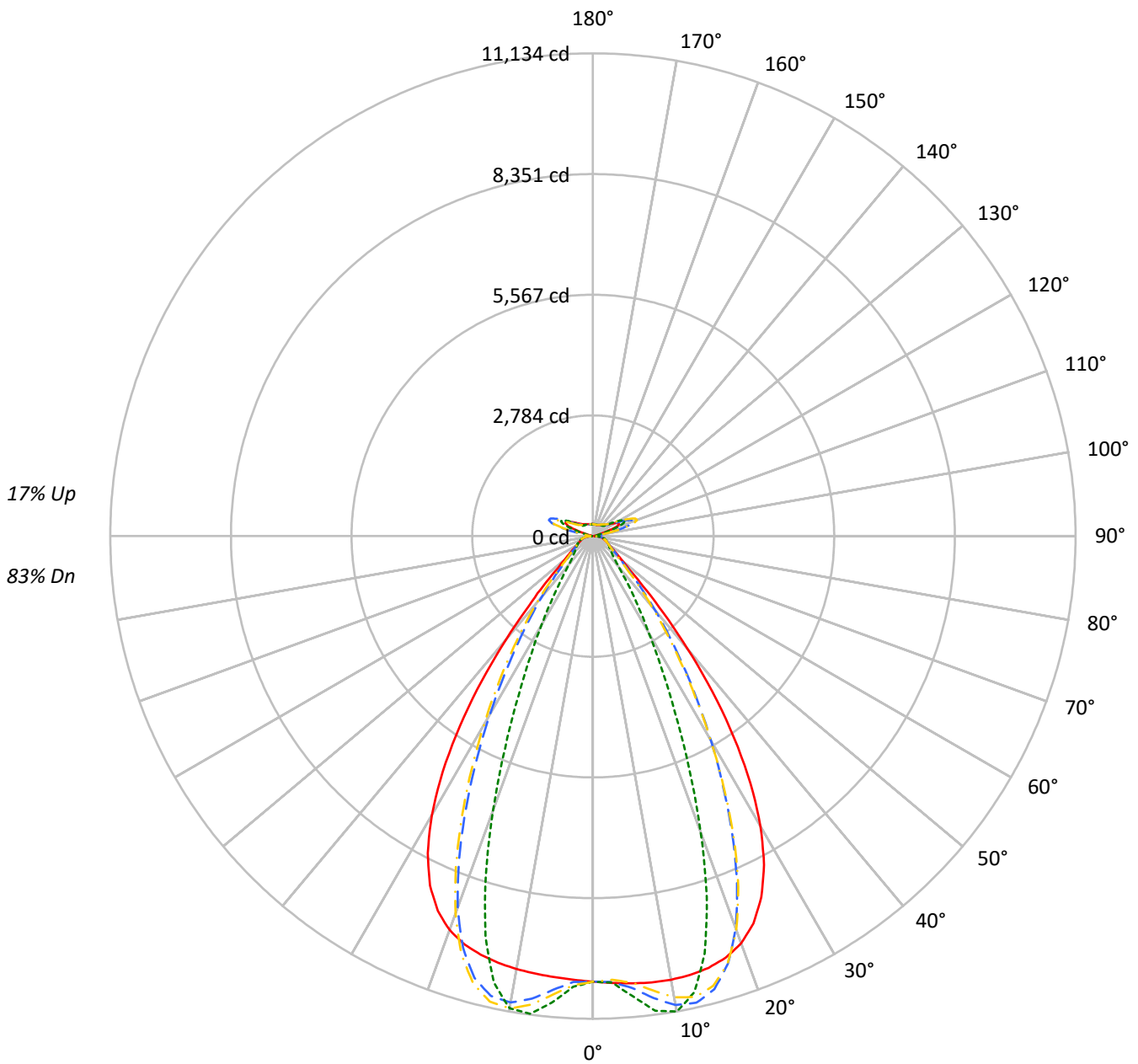
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14258.3 lumens
Efficiency: N/A
Efficacy: 175.6 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): 81.2
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

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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	115	115	115	115	110	110	110	110	102	102	102	94	94	94	86	86	86	86	86	86	83
1	108	104	101	98	103	100	98	95	93	91	89	86	85	83	80	79	78	78	78	78	75
2	101	95	90	86	97	92	87	83	85	82	79	80	77	75	75	73	71	71	71	71	68
3	94	87	81	76	91	84	78	74	79	74	71	74	70	68	70	67	64	64	64	64	62
4	89	80	73	68	85	77	71	67	73	68	64	69	65	62	65	62	59	59	59	59	57
5	83	73	67	62	80	71	65	61	68	62	58	64	60	56	61	57	54	54	54	54	52
6	78	68	61	56	76	66	60	55	63	58	54	60	55	52	57	53	50	50	50	50	48
7	74	63	56	52	71	62	55	51	59	53	49	56	52	48	54	50	47	47	47	47	45
8	70	59	52	48	67	58	51	47	55	50	46	53	48	45	50	46	43	43	43	43	42
9	66	55	49	44	64	54	48	44	52	46	43	50	45	42	48	44	41	41	41	41	39
10	63	52	45	41	61	51	45	41	49	43	40	47	42	39	45	41	38	38	38	38	37

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	7.1
10°-20°	2849.4	20.0
20°-30°	3245.2	22.8
30°-40°	2332.5	16.4
40°-50°	1075.8	7.5
50°-60°	514.8	3.6
60°-70°	375.6	2.6
70°-80°	285.4	2.0
80°-90°	134.0	0.9
90°-100°	66.3	0.5
100°-110°	414.3	2.9
110°-120°	766.0	5.4
120°-130°	460.0	3.2
130°-140°	284.4	2.0
140°-150°	202.0	1.4
150°-160°	135.0	0.9
160°-170°	78.5	0.6
170°-180°	26.3	0.2
0°-30°	7107.5	49.8
0°-40°	9440.1	66.2
0°-60°	11030.6	77.4
0°-90°	11825.6	82.9
90°-120°	1246.5	8.7
90°-150°	2192.9	15.4
90°-180°	2433.0	17.1
0°-180°	14258.3	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°	46	55	21	24	46	27
95°	30	34	30	34	30	29
105°	146	191	96	191	146	195
115°	665	813	696	813	665	613
125°	488	523	554	524	488	444
135°	367	336	396	337	367	287
145°	312	313	334	314	312	197
155°	281	287	302	289	281	131
165°	271	274	282	275	271	77
175°	273	276	278	276	273	26
180°	276	276	276	276	276	



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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°	45.6	48.3	49.7	52.7	54.1	56.8	58.2	61.1	62.5	65.5	68.2
92.5°	26.7	28.6	30.3	32.4	34.2	36.5	38.4	40.4	42.3	44.4	48.3
95°	30.5	32.8	34.9	37.1	39.3	41.5	43.6	45.9	48.0	50.2	56.6
97.5°	38.6	40.5	42.4	44.3	46.2	48.1	49.9	51.9	53.7	55.7	63.2
100°	50.7	52.4	53.9	55.6	57.1	58.8	60.3	62.0	63.5	65.2	79.3
102.5°	85.1	90.9	96.5	102.2	107.9	113.5	119.3	125.0	130.6	136.3	166.2
105°	146.0	161.3	176.9	192.3	207.7	223.1	238.5	253.9	269.4	284.8	333.5
107.5°	251.4	279.8	308.4	336.9	365.5	394.1	422.7	451.2	479.7	508.2	557.5
110°	467.3	490.1	513.1	536.1	559.1	582.1	605.0	627.9	650.9	673.9	709.9



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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°	630.7	641.1	651.6	662.0	672.4	682.9	693.3	703.7	714.1	724.5	750.3
115°	664.7	668.4	672.0	675.7	679.5	683.2	686.9	690.6	694.2	697.8	715.4
117.5°	643.7	643.1	642.7	642.2	641.5	641.0	640.4	639.9	639.3	638.7	648.7
120°	598.1	595.1	592.1	588.9	585.9	582.7	579.7	576.6	573.5	570.3	574.8
122.5°	540.7	537.1	533.5	529.8	526.1	522.4	518.7	515.0	511.3	507.6	509.4
125°	487.5	483.8	480.3	476.6	472.8	469.0	465.3	461.5	457.8	454.0	455.1
127.5°	440.9	438.4	435.9	433.3	430.8	428.1	425.5	422.9	420.3	417.6	418.1
130°	410.1	407.8	405.6	403.4	401.0	398.6	396.3	394.0	391.6	389.2	390.0
132.5°	384.5	383.0	381.5	379.9	378.3	376.6	375.1	373.3	371.8	370.1	370.9
135°	366.8	365.4	364.1	362.6	361.2	359.7	358.2	356.6	355.2	353.5	354.6
137.5°	351.6	350.4	349.2	347.9	346.5	345.2	343.8	342.5	341.0	339.7	340.5
140°	337.7	336.7	335.5	334.3	333.2	332.0	330.7	329.5	328.2	327.0	328.1
142.5°	322.4	321.6	320.8	319.9	319.1	318.0	317.1	316.1	315.1	314.2	315.6
145°	312.0	311.3	310.8	310.0	309.3	308.4	307.8	306.9	306.1	305.3	306.9
147.5°	302.9	302.4	301.9	301.4	300.9	300.2	299.6	298.9	298.4	297.7	299.1
150°	294.9	294.4	294.0	293.4	292.8	292.2	291.7	291.1	290.5	289.8	291.4
152.5°	286.7	286.2	285.8	285.3	284.8	284.2	283.7	283.0	282.5	281.9	283.1
155°	281.3	280.8	280.3	279.8	279.3	278.8	278.2	277.7	277.1	276.5	277.7
157.5°	277.3	276.9	276.7	276.2	276.0	275.5	275.2	274.7	274.4	274.0	274.8
160°	274.8	274.5	274.1	273.8	273.3	273.0	272.7	272.3	271.9	271.6	272.3
162.5°	272.4	272.0	271.7	271.3	271.0	270.5	270.2	269.8	269.6	269.1	269.9
165°	271.2	271.0	270.8	270.6	270.4	270.2	270.0	269.8	269.7	269.5	269.9
167.5°	272.6	272.2	272.0	271.6	271.3	271.0	270.7	270.3	270.1	269.7	270.3
170°	272.4	272.2	272.1	272.0	271.8	271.7	271.6	271.4	271.2	271.1	271.6
172.5°	273.2	273.0	272.9	272.9	272.8	272.7	272.6	272.5	272.4	272.3	272.8
175°	272.7	272.5	272.5	272.4	272.3	272.3	272.2	272.1	272.1	272.0	272.3
177.5°	274.3	274.2	274.2	274.2	274.2	274.2	274.1	274.0	274.0	274.0	274.3
180°	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0



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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°	72.0	74.8	78.5	80.5	83.6	85.2	76.3	76.9	74.4	73.4	70.5
92.5°	52.2	55.9	59.8	63.7	67.6	71.5	74.1	77.6	73.6	69.4	65.5
95°	63.0	69.4	75.8	82.3	88.7	95.1	101.5	107.9	101.9	95.9	89.9
97.5°	70.8	78.3	85.9	93.6	101.1	108.7	116.3	123.8	117.4	110.9	104.5
100°	93.4	107.5	121.6	135.6	149.8	164.0	178.0	192.2	179.8	167.4	154.9
102.5°	196.3	226.2	256.2	286.1	316.1	346.1	376.1	406.1	377.7	349.2	320.8
105°	382.0	430.6	479.2	527.8	576.2	624.9	673.6	722.2	676.7	631.2	585.7
107.5°	606.8	656.0	705.3	754.6	803.9	853.2	902.6	952.0	907.7	863.3	819.0
110°	745.9	781.9	818.0	853.9	890.0	926.0	962.3	998.3	971.8	945.2	918.5



TEST NUMBER: P1444501
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL24

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	776.1	802.0	827.8	853.6	879.3	905.0	931.3	957.1	943.9	930.6	917.4
115°	732.9	750.4	767.8	785.3	802.8	820.2	838.0	855.7	851.5	847.4	843.4
117.5°	658.5	668.4	678.2	688.1	697.8	707.7	718.1	728.1	729.1	730.0	731.0
120°	579.1	583.4	587.7	592.1	596.2	600.6	605.4	609.9	613.8	617.6	621.4
122.5°	511.2	513.0	514.8	516.6	518.4	520.1	522.6	524.7	527.4	530.2	533.0
125°	456.1	457.2	458.2	459.3	460.2	461.3	463.2	464.4	464.9	465.2	465.8
127.5°	418.5	419.1	419.4	419.9	420.2	420.7	422.0	422.7	421.5	420.3	419.1
130°	390.7	391.3	392.0	392.8	393.5	394.2	395.8	396.8	394.4	392.0	389.7
132.5°	371.8	372.6	373.4	374.3	375.0	375.9	377.8	378.8	376.2	373.3	370.6
135°	355.5	356.5	357.4	358.5	359.3	360.5	362.5	363.8	361.2	358.5	355.9
137.5°	341.5	342.5	343.5	344.5	345.5	346.4	348.8	350.0	348.0	345.9	343.8
140°	329.2	330.3	331.4	332.7	333.7	335.0	337.4	338.9	337.4	335.7	334.1
142.5°	317.0	318.4	319.9	321.5	323.0	324.4	327.3	329.1	328.0	326.9	325.8
145°	308.3	310.1	311.6	313.4	314.9	316.7	319.8	321.8	321.2	320.6	319.9
147.5°	300.6	302.0	303.5	305.0	306.6	308.2	311.3	313.3	312.9	312.6	312.2
150°	292.7	294.3	295.7	297.3	298.9	300.5	304.0	306.0	305.7	305.4	305.1
152.5°	284.6	285.8	287.3	288.7	290.1	291.6	295.4	297.4	297.1	296.7	296.5
155°	278.7	279.8	280.9	282.1	283.1	284.4	288.2	290.0	289.9	289.8	289.6
157.5°	275.6	276.4	277.1	278.1	278.9	279.8	283.5	285.2	285.1	284.9	284.8
160°	272.9	273.5	274.2	274.9	275.6	276.3	280.1	281.6	281.5	281.3	281.2
162.5°	270.7	271.7	272.4	273.2	274.1	275.0	278.9	280.5	280.2	280.0	279.7
165°	270.5	271.0	271.6	272.2	272.8	273.3	276.8	278.1	278.0	277.9	277.8
167.5°	270.8	271.5	272.0	272.6	273.1	273.8	277.0	278.4	278.3	278.2	278.1
170°	272.0	272.5	272.9	273.4	273.9	274.5	277.2	278.2	278.1	277.8	277.6
172.5°	273.2	273.8	274.3	274.8	275.3	275.9	278.2	279.3	279.1	278.9	278.6
175°	272.8	273.0	273.5	273.9	274.3	274.7	276.6	277.3	277.2	277.2	277.1
177.5°	274.6	274.8	275.1	275.4	275.7	276.0	277.1	277.6	277.6	277.6	277.5
180°	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0



TEST NUMBER: P1444501
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL24

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°	68.9	66.1	65.4	63.2	63.0	61.1	61.1	59.2	59.4	58.4	59.0
92.5°	61.3	57.2	53.0	49.1	44.9	41.0	39.0	37.1	35.2	33.5	31.4
95°	84.0	78.0	72.0	66.0	60.1	54.1	51.9	49.7	47.5	45.4	43.1
97.5°	98.1	91.6	85.2	78.7	72.3	65.9	64.5	63.0	61.6	60.1	58.7
100°	142.5	130.2	117.8	105.3	93.0	80.6	79.4	78.2	77.1	75.9	74.8
102.5°	292.3	263.9	235.5	207.1	178.7	150.2	145.2	140.3	135.4	130.4	125.5
105°	540.3	494.8	449.4	403.8	358.5	313.0	299.4	285.8	272.3	258.7	245.2
107.5°	774.6	730.3	686.0	641.7	597.4	553.1	531.6	510.2	488.8	467.4	445.9
110°	892.0	865.4	838.9	812.2	785.7	759.2	738.8	718.3	697.8	677.5	657.0



TEST NUMBER: P1444501
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL24

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	904.1	890.9	877.7	864.4	851.2	838.0	828.1	818.2	808.3	798.3	788.2
115°	839.3	835.1	831.1	827.0	823.0	818.8	818.3	817.6	816.9	816.3	815.6
117.5°	731.9	732.8	733.8	734.9	735.8	736.8	742.2	747.7	753.1	758.5	764.2
120°	625.2	629.1	633.0	636.8	640.6	644.5	651.8	659.1	666.4	673.7	681.2
122.5°	535.7	538.5	541.2	544.2	546.9	549.7	556.9	564.2	571.5	578.7	586.1
125°	466.1	466.6	467.0	467.4	467.7	468.2	474.3	480.3	486.4	492.5	498.6
127.5°	417.9	416.6	415.4	414.2	413.0	411.8	415.5	419.2	422.9	426.5	430.3
130°	387.3	384.9	382.4	380.1	377.7	375.3	377.0	378.5	380.2	381.8	383.5
132.5°	367.7	364.9	362.0	359.1	356.2	353.5	353.7	354.0	354.3	354.6	355.0
135°	353.1	350.4	347.7	345.0	342.3	339.7	339.2	338.7	338.3	337.8	337.4
137.5°	341.8	339.7	337.5	335.5	333.4	331.3	330.5	329.8	329.0	328.3	327.6
140°	332.5	330.9	329.2	327.6	325.9	324.4	323.8	323.2	322.5	322.0	321.4
142.5°	324.5	323.4	322.2	321.0	319.9	318.7	318.1	317.6	317.0	316.5	315.9
145°	319.2	318.5	317.7	317.2	316.4	315.8	315.2	314.9	314.4	314.2	313.8
147.5°	311.9	311.4	311.2	310.8	310.4	310.0	309.7	309.5	309.2	309.1	308.8
150°	304.7	304.4	304.0	303.7	303.3	303.0	302.8	302.8	302.7	302.8	302.6
152.5°	296.1	295.8	295.4	295.2	294.8	294.5	294.4	294.5	294.4	294.4	294.3
155°	289.4	289.3	289.1	288.9	288.8	288.6	288.5	288.3	288.1	287.9	287.7
157.5°	284.7	284.5	284.3	284.2	284.0	283.8	283.6	283.5	283.3	283.2	283.0
160°	281.0	280.9	280.7	280.6	280.4	280.3	279.9	279.6	279.3	279.1	278.7
162.5°	279.4	279.1	278.9	278.6	278.3	278.0	277.8	277.6	277.4	277.3	277.1
165°	277.6	277.5	277.3	277.1	277.0	276.9	276.6	276.2	276.1	275.7	275.4
167.5°	277.9	277.8	277.6	277.5	277.3	277.2	276.9	276.6	276.2	276.1	275.7
170°	277.3	277.0	276.8	276.5	276.2	276.0	275.7	275.5	275.1	274.9	274.5
172.5°	278.4	278.2	277.9	277.7	277.4	277.2	276.9	276.7	276.4	276.2	276.0
175°	277.0	277.0	277.0	276.8	276.8	276.7	276.6	276.6	276.5	276.5	276.4
177.5°	277.5	277.5	277.5	277.4	277.4	277.4	277.2	277.0	276.9	276.6	276.5
180°	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0



TEST NUMBER: P1444501
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL24

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	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°	57.6	57.7	55.5	54.7	54.6	56.0	55.1	55.7	53.7	53.9	52.3
92.5°	29.6	27.6	25.7	23.9	25.9	27.6	29.7	31.4	33.4	35.2	37.1
95°	41.0	38.8	36.7	34.4	36.2	37.9	39.7	41.4	43.1	44.9	46.6
97.5°	57.2	55.8	54.3	52.8	53.9	54.9	55.9	56.9	58.0	59.0	60.1
100°	73.6	72.4	71.3	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
102.5°	120.5	115.6	110.6	105.7	109.1	112.4	115.8	119.1	122.5	125.8	129.3
105°	231.6	218.1	204.6	191.0	204.1	217.2	230.4	243.5	256.6	269.7	282.9
107.5°	424.5	403.2	381.7	360.3	384.2	408.0	432.0	455.8	479.7	503.5	527.6
110°	636.7	616.3	595.8	575.5	600.8	626.2	651.5	676.8	702.2	727.5	752.9



TEST NUMBER: P1444501
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL24

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	778.3	768.4	758.5	748.6	764.9	781.2	797.6	814.0	830.3	846.7	863.1
115°	815.1	814.5	813.9	813.3	821.1	828.7	836.5	844.2	852.0	859.7	867.5
117.5°	769.6	775.1	780.6	786.2	788.7	791.1	793.6	796.1	798.7	801.1	803.7
120°	688.4	695.8	703.2	710.6	709.6	708.6	707.5	706.6	705.7	704.7	703.8
122.5°	593.4	600.8	608.1	615.6	613.5	611.2	609.1	606.9	604.9	602.7	600.8
125°	504.8	511.0	517.1	523.4	521.2	519.0	516.8	514.8	512.6	510.6	508.6
127.5°	434.1	438.1	441.9	445.7	444.7	443.7	442.7	441.9	440.9	440.0	439.1
130°	385.2	387.1	388.8	390.7	391.0	391.2	391.6	392.0	392.5	392.9	393.4
132.5°	355.5	355.9	356.3	356.8	358.0	359.1	360.4	361.7	363.0	364.3	365.7
135°	337.1	336.8	336.6	336.4	338.1	339.9	341.6	343.4	345.4	347.3	349.4
137.5°	327.0	326.4	325.8	325.3	327.1	328.8	330.6	332.4	334.3	336.3	338.3
140°	320.9	320.5	320.2	319.7	321.4	323.2	324.9	326.8	328.7	330.6	332.6
142.5°	315.4	314.9	314.5	314.2	315.7	317.4	319.0	320.7	322.4	324.1	325.9
145°	313.5	313.1	312.9	312.6	313.7	314.8	316.1	317.4	318.6	319.9	321.2
147.5°	308.7	308.5	308.4	308.3	309.2	310.1	311.0	311.8	312.9	313.9	314.9
150°	302.8	302.7	302.7	302.8	303.3	303.9	304.5	305.0	305.7	306.3	307.1
152.5°	294.4	294.3	294.5	294.5	295.0	295.5	296.1	296.6	297.3	297.9	298.5
155°	287.7	287.5	287.4	287.3	287.5	287.8	288.1	288.3	288.6	288.8	289.1
157.5°	282.9	282.7	282.7	282.5	282.6	282.6	282.8	282.8	283.0	283.0	283.2
160°	278.6	278.2	277.9	277.6	277.8	278.0	278.3	278.4	278.7	278.9	279.1
162.5°	277.0	276.8	276.7	276.5	276.5	276.3	276.2	276.1	276.1	276.0	276.0
165°	275.1	274.8	274.5	274.2	274.2	274.3	274.3	274.4	274.4	274.5	274.5
167.5°	275.5	275.1	274.9	274.5	274.4	274.0	273.9	273.5	273.4	273.1	273.0
170°	274.3	274.0	273.8	273.5	273.4	273.3	273.3	273.1	273.1	273.1	273.1
172.5°	275.8	275.5	275.3	275.0	274.9	274.9	274.8	274.8	274.7	274.7	274.7
175°	276.3	276.3	276.2	276.1	276.1	275.9	275.8	275.6	275.5	275.2	275.1
177.5°	276.3	276.1	276.0	275.9	275.9	275.9	275.9	275.9	275.9	275.8	275.8
180°	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0



TEST NUMBER: P1444501
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL24

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°	52.9	51.7	53.3	53.4	55.4	55.7	58.1	59.0	61.5	62.2	64.9
92.5°	39.0	40.8	44.3	47.9	51.3	54.8	58.4	62.0	65.4	68.9	72.3
95°	48.4	50.1	54.8	59.4	64.1	68.7	73.6	78.2	82.9	87.6	92.2
97.5°	61.1	62.2	66.8	71.5	76.1	80.8	85.4	90.2	94.8	99.5	104.1
100°	70.1	70.2	83.5	96.7	110.0	123.2	136.4	149.7	163.1	176.3	189.6
102.5°	132.5	135.9	169.4	202.9	236.4	269.8	303.5	336.9	370.4	404.0	437.5
105°	296.0	309.1	360.2	411.4	462.5	513.6	564.8	616.0	667.1	718.3	769.4
107.5°	551.4	575.3	621.5	667.7	713.8	760.1	806.4	852.6	898.8	945.0	991.3
110°	778.3	803.6	834.6	865.5	896.4	927.3	958.3	989.2	1020.1	1051.2	1082.2



TEST NUMBER: P1444501
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL24

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	879.3	895.7	913.7	931.7	949.6	967.7	985.7	1003.8	1021.8	1039.8	1058.0
115°	875.2	883.0	889.9	896.9	903.9	910.8	917.8	924.8	931.9	938.8	945.9
117.5°	806.2	808.9	809.8	810.9	811.9	812.9	814.0	815.1	816.1	817.3	818.3
120°	702.9	701.9	700.6	699.4	698.1	696.9	695.6	694.4	693.2	692.0	690.9
122.5°	598.6	596.7	595.3	594.2	592.9	591.8	590.5	589.3	588.2	587.0	585.8
125°	506.6	504.6	505.4	506.2	507.1	508.0	508.9	509.8	510.7	511.6	512.5
127.5°	438.4	437.6	440.0	442.5	445.1	447.5	450.1	452.6	455.1	457.7	460.2
130°	394.0	394.4	397.6	400.9	404.1	407.4	410.7	414.0	417.2	420.5	423.8
132.5°	367.1	368.6	371.7	374.8	378.0	381.1	384.3	387.4	390.5	393.7	396.8
135°	351.3	353.3	356.2	359.0	361.9	364.7	367.6	370.4	373.2	376.1	378.9
137.5°	340.2	342.3	344.6	346.7	349.0	351.3	353.5	355.8	358.0	360.2	362.4
140°	334.5	336.7	337.7	339.0	340.1	341.4	342.6	343.8	344.9	346.2	347.3
142.5°	327.7	329.6	330.3	331.0	331.7	332.5	333.3	333.9	334.6	335.3	336.1
145°	322.5	324.0	323.9	323.9	323.8	323.8	323.7	323.7	323.5	323.5	323.4
147.5°	315.9	317.0	316.6	316.5	316.2	315.9	315.6	315.4	315.0	314.8	314.5
150°	307.7	308.4	308.0	307.6	307.1	306.6	306.1	305.6	305.1	304.8	304.3
152.5°	299.1	299.8	299.2	298.7	298.3	297.8	297.2	296.7	296.2	295.6	295.2
155°	289.4	289.7	289.4	289.2	288.9	288.7	288.4	288.2	288.0	287.7	287.5
157.5°	283.2	283.4	283.2	283.1	282.8	282.8	282.6	282.5	282.5	282.5	282.4
160°	279.3	279.5	279.3	279.2	279.1	278.9	278.8	278.7	278.7	278.6	278.6
162.5°	275.9	275.8	275.7	275.5	275.4	275.2	275.2	275.1	275.0	274.9	274.9
165°	274.7	274.8	274.4	274.2	273.9	273.6	273.4	273.2	273.0	272.9	272.7
167.5°	272.8	272.7	272.7	272.8	272.8	272.8	272.9	272.9	273.0	273.1	273.2
170°	273.0	273.1	272.9	272.9	272.8	272.6	272.5	272.4	272.4	272.2	272.2
172.5°	274.7	274.7	274.4	274.1	273.8	273.5	273.2	273.0	272.8	272.5	272.2
175°	274.9	274.8	274.6	274.5	274.3	274.1	273.9	273.8	273.6	273.5	273.3
177.5°	275.8	275.7	275.6	275.6	275.6	275.6	275.6	275.5	275.5	275.5	275.4
180°	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0



TEST NUMBER: P1444501
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL24

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	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°	60.8	58.5	54.4	52.2	48.1	45.2	40.9	38.2	34.1	33.1	30.8
92.5°	68.4	64.5	60.6	56.6	52.7	48.9	44.9	41.0	37.0	35.6	34.4
95°	86.5	80.9	75.1	69.4	63.8	58.1	52.4	46.7	41.0	39.9	38.7
97.5°	97.4	90.8	84.1	77.4	70.7	64.0	57.4	50.7	44.0	43.2	42.6
100°	174.1	158.8	143.3	127.9	112.5	97.1	81.6	66.2	50.8	49.9	49.1
102.5°	400.1	362.7	325.3	287.9	250.6	213.2	175.8	138.4	101.0	95.6	90.3
105°	712.9	656.2	599.6	543.1	486.5	429.8	373.2	316.6	260.1	241.8	223.7
107.5°	938.0	884.9	831.6	778.4	725.2	671.9	618.7	565.5	512.2	480.3	448.2
110°	1039.8	997.5	955.4	913.1	870.8	828.5	786.2	743.9	701.6	674.0	646.4



TEST NUMBER: P1444501
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL24

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	1026.9	995.8	964.9	933.7	902.8	871.6	840.7	809.5	778.5	761.7	745.0
115°	927.2	908.4	889.6	870.8	852.1	833.3	814.5	795.7	776.9	767.9	759.0
117.5°	808.7	799.0	789.3	779.6	769.8	760.1	750.4	740.6	730.9	727.7	724.5
120°	687.8	684.6	681.4	678.4	675.2	672.1	668.9	665.8	662.6	662.8	663.0
122.5°	586.7	587.6	588.5	589.2	590.1	590.9	591.8	592.5	593.3	595.4	597.6
125°	515.1	517.5	520.0	522.4	524.9	527.3	529.8	532.1	534.6	536.7	538.9
127.5°	463.1	465.8	468.7	471.3	474.2	477.0	479.8	482.4	485.2	487.0	489.1
130°	426.2	428.6	430.9	433.2	435.7	438.0	440.3	442.6	445.0	446.4	447.7
132.5°	398.8	400.9	403.1	405.0	407.1	409.2	411.3	413.3	415.5	416.4	417.3
135°	380.5	381.8	383.4	384.8	386.4	387.8	389.3	390.9	392.3	392.8	393.4
137.5°	363.7	364.8	366.0	367.2	368.4	369.5	370.8	371.9	373.2	373.2	373.4
140°	348.7	349.9	351.2	352.5	353.8	355.1	356.5	357.8	359.2	359.3	359.4
142.5°	336.9	337.9	338.9	339.9	340.9	341.9	342.9	344.0	345.0	345.1	345.2
145°	324.6	325.8	327.1	328.2	329.6	330.7	332.2	333.5	334.9	334.7	334.7
147.5°	315.5	316.6	317.6	318.7	319.9	320.9	322.1	323.3	324.5	324.4	324.3
150°	305.5	306.6	307.8	308.9	310.2	311.4	312.7	314.0	315.4	315.5	315.7
152.5°	296.5	297.8	299.0	300.4	301.7	303.2	304.7	306.0	307.5	307.7	307.9
155°	288.8	290.0	291.4	292.7	294.1	295.4	296.9	298.3	299.7	300.0	300.3
157.5°	283.5	284.6	285.8	287.0	288.3	289.4	290.8	292.0	293.2	293.5	293.7
160°	279.6	280.6	281.7	282.7	283.8	284.9	285.9	287.0	288.1	288.4	288.6
162.5°	276.0	277.0	278.1	279.1	280.1	281.2	282.3	283.3	284.4	284.6	284.9
165°	273.4	274.1	274.9	275.6	276.3	277.1	277.9	278.6	279.4	279.7	280.0
167.5°	273.8	274.3	274.9	275.5	276.1	276.6	277.2	277.8	278.4	278.8	279.0
170°	272.7	273.2	273.6	274.3	274.8	275.4	275.9	276.4	277.0	277.3	277.6
172.5°	272.6	272.9	273.2	273.6	273.9	274.3	274.7	275.1	275.5	275.9	276.1
175°	273.5	273.6	273.9	274.0	274.2	274.4	274.6	274.8	275.1	275.4	275.7
177.5°	275.5	275.7	275.8	276.0	276.1	276.3	276.5	276.7	276.8	277.3	277.7
180°	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0



TEST NUMBER: P1444501
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL24

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°	29.9	27.8	26.9	24.8	23.9	22.2	21.3	22.0	23.0	23.8	24.7
92.5°	33.1	31.8	30.4	29.2	27.8	26.6	25.2	26.6	27.8	29.2	30.4
95°	37.5	36.4	35.2	34.0	32.9	31.7	30.5	31.7	32.9	34.1	35.3
97.5°	41.8	41.1	40.3	39.7	38.9	38.2	37.4	38.2	38.9	39.7	40.3
100°	48.2	47.3	46.4	45.6	44.7	43.8	43.0	43.9	44.8	45.7	46.5
102.5°	84.8	79.5	74.1	68.7	63.3	58.0	52.6	58.0	63.3	68.8	74.2
105°	205.5	187.2	169.1	150.9	132.6	114.5	96.3	114.6	132.7	151.0	169.2
107.5°	416.2	384.3	352.2	320.2	288.2	256.1	224.1	256.2	288.3	320.3	352.3
110°	618.8	591.2	563.4	535.9	508.3	480.5	452.9	480.5	508.3	535.9	563.5



TEST NUMBER: P1444501
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL24

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	728.0	711.2	694.3	677.6	660.6	643.8	627.0	643.8	660.7	677.8	694.5
115°	750.1	741.2	732.2	723.2	714.2	705.3	696.3	705.4	714.4	723.4	732.5
117.5°	721.2	718.0	714.8	711.6	708.3	705.1	701.7	705.2	708.5	711.9	715.2
120°	663.1	663.3	663.5	663.6	663.8	663.9	664.0	664.0	664.0	664.0	664.0
122.5°	599.7	601.7	603.8	605.8	608.0	610.0	611.9	610.1	608.2	606.4	604.5
125°	541.0	543.3	545.3	547.4	549.4	551.6	553.5	551.8	549.9	548.0	546.0
127.5°	490.8	492.8	494.5	496.5	498.2	500.0	501.7	500.2	498.6	497.0	495.4
130°	449.0	450.4	451.6	453.0	454.3	455.4	456.6	455.6	454.7	453.7	452.5
132.5°	418.2	419.2	420.0	420.9	421.7	422.6	423.2	422.8	422.2	421.6	420.9
135°	393.9	394.3	394.8	395.3	395.7	396.1	396.3	396.4	396.2	396.1	395.8
137.5°	373.5	373.6	373.6	373.6	373.6	373.5	373.4	373.8	374.1	374.5	374.7
140°	359.4	359.6	359.5	359.5	359.6	359.5	359.3	359.8	360.1	360.4	360.6
142.5°	345.3	345.4	345.5	345.5	345.5	345.4	345.3	345.7	346.0	346.3	346.4
145°	334.6	334.6	334.4	334.4	334.1	333.9	333.5	334.2	334.6	335.1	335.5
147.5°	324.2	324.1	324.0	323.9	323.7	323.5	323.2	323.7	324.1	324.5	325.0
150°	315.9	316.1	316.2	316.4	316.4	316.5	316.4	316.7	316.9	317.1	317.2
152.5°	308.0	308.0	308.2	308.2	308.4	308.3	308.3	308.6	308.9	309.1	309.3
155°	300.5	300.8	301.0	301.2	301.4	301.6	301.7	301.8	301.9	302.0	302.1
157.5°	293.9	294.2	294.4	294.6	294.8	295.0	295.2	295.3	295.4	295.6	295.6
160°	288.8	289.0	289.1	289.4	289.6	289.8	289.9	290.1	290.3	290.4	290.5
162.5°	285.1	285.3	285.4	285.7	285.7	285.9	286.1	286.3	286.5	286.6	286.7
165°	280.4	280.7	281.1	281.4	281.8	282.1	282.4	282.4	282.4	282.4	282.4
167.5°	279.3	279.6	279.9	280.2	280.5	280.8	281.1	281.1	281.1	281.0	281.1
170°	277.9	278.1	278.5	278.7	279.1	279.3	279.5	279.4	279.4	279.4	279.4
172.5°	276.5	277.0	277.4	277.8	278.2	278.6	279.0	278.9	278.6	278.4	278.1
175°	276.1	276.4	276.7	277.1	277.4	277.8	278.2	277.9	277.8	277.5	277.3
177.5°	278.3	278.8	279.3	279.6	280.1	280.5	281.1	280.6	280.2	279.8	279.4
180°	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0



TEST NUMBER: P1444501
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL24

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°	25.6	26.6	27.3	28.4	29.5	32.0	34.5	37.0	39.8	42.4	45.0
92.5°	31.8	33.1	34.4	35.7	37.0	41.0	44.9	48.9	52.8	56.7	60.6
95°	36.5	37.6	38.8	40.0	41.2	46.9	52.6	58.3	64.0	69.6	75.3
97.5°	41.2	41.9	42.7	43.3	44.1	50.8	57.5	64.2	70.9	77.6	84.3
100°	47.4	48.3	49.2	50.1	51.0	66.4	81.8	97.3	112.8	128.1	143.5
102.5°	79.6	84.9	90.4	95.8	101.2	138.7	176.1	213.5	250.8	288.2	325.6
105°	187.3	205.6	223.9	242.0	260.2	316.9	373.5	430.2	486.7	543.4	600.0
107.5°	384.4	416.4	448.4	480.5	512.5	565.9	619.0	672.3	725.7	778.8	832.0
110°	591.4	618.9	646.6	674.4	702.0	744.3	786.7	829.0	871.3	913.7	955.9



TEST NUMBER: P1444501
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL24

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	711.5	728.3	745.3	762.1	779.0	810.0	841.2	872.3	903.5	934.4	965.5
115°	741.6	750.5	759.5	768.4	777.4	796.3	815.2	834.1	852.9	871.6	890.5
117.5°	718.5	721.8	725.1	728.3	731.6	741.4	751.2	761.0	770.8	780.6	790.3
120°	664.0	663.9	663.8	663.6	663.5	666.7	670.0	673.2	676.3	679.6	682.7
122.5°	602.4	600.5	598.4	596.4	594.4	593.6	592.8	592.1	591.4	590.5	589.7
125°	544.1	542.0	540.0	537.9	535.9	533.5	531.2	528.6	526.3	523.9	521.5
127.5°	493.7	491.9	490.2	488.4	486.7	483.8	481.2	478.4	475.8	473.0	470.3
130°	451.5	450.3	449.1	447.8	446.6	444.2	442.0	439.6	437.3	435.1	432.7
132.5°	420.3	419.6	418.8	417.9	417.1	415.1	413.2	411.0	409.0	406.9	405.0
135°	395.6	395.2	394.9	394.5	394.2	392.7	391.2	389.8	388.4	387.0	385.5
137.5°	374.9	375.0	375.0	375.0	375.1	374.0	372.8	371.7	370.6	369.4	368.3
140°	360.9	361.0	361.2	361.2	361.3	359.9	358.8	357.4	356.2	354.9	353.6
142.5°	346.6	346.8	346.9	347.0	347.1	346.2	345.2	344.3	343.3	342.4	341.4
145°	335.8	336.1	336.5	336.6	336.9	335.7	334.5	333.3	332.2	330.8	329.8
147.5°	325.4	325.7	326.0	326.4	326.7	325.6	324.6	323.6	322.6	321.5	320.7
150°	317.4	317.4	317.6	317.6	317.6	316.5	315.4	314.3	313.3	312.0	311.1
152.5°	309.4	309.6	309.7	309.8	309.9	308.7	307.5	306.3	305.0	303.8	302.6
155°	302.2	302.2	302.2	302.2	302.2	301.1	299.9	298.7	297.6	296.4	295.2
157.5°	295.7	295.8	295.9	295.9	296.0	295.0	294.0	292.9	292.0	290.8	289.8
160°	290.6	290.7	290.8	290.9	290.9	290.0	289.2	288.3	287.5	286.5	285.7
162.5°	286.8	287.0	287.0	287.1	287.2	286.3	285.5	284.6	283.7	282.8	282.0
165°	282.3	282.3	282.2	282.1	282.0	281.4	280.9	280.3	279.7	279.1	278.5
167.5°	281.0	280.9	280.8	280.8	280.7	280.3	279.9	279.4	279.0	278.6	278.1
170°	279.3	279.3	279.2	279.2	279.0	278.6	278.2	277.8	277.4	276.9	276.4
172.5°	278.0	277.7	277.5	277.3	277.0	276.7	276.4	276.1	276.0	275.7	275.4
175°	277.0	276.8	276.5	276.3	276.1	276.0	275.9	275.7	275.6	275.4	275.3
177.5°	279.0	278.7	278.2	277.8	277.4	277.3	277.1	277.0	276.9	276.8	276.6
180°	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0



TEST NUMBER: P1444501
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL24

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°	47.6	53.2	55.8	53.7	50.8	48.7	45.8	43.7	40.9	39.0	36.3
92.5°	64.6	68.5	72.4	68.9	65.4	62.0	58.5	54.9	51.4	47.9	44.4
95°	81.1	86.6	92.3	87.7	82.9	78.2	73.6	68.8	64.2	59.5	54.9
97.5°	91.0	97.5	104.2	99.6	94.9	90.2	85.5	80.9	76.2	71.6	66.9
100°	159.0	174.3	189.7	176.4	163.2	149.9	136.6	123.3	110.1	96.8	83.6
102.5°	362.9	400.3	437.6	404.1	370.6	337.0	303.6	270.0	236.6	203.0	169.5
105°	656.6	713.1	769.6	718.4	667.3	616.1	565.0	513.7	462.6	411.4	360.3
107.5°	885.4	938.3	991.4	945.2	899.0	852.8	806.5	760.3	714.0	667.8	621.6
110°	998.2	1040.2	1082.4	1051.4	1020.4	989.4	958.5	927.4	896.5	865.7	834.6



TEST NUMBER: P1444501
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL24

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	996.6	1027.3	1058.1	1040.0	1022.0	1004.0	985.9	967.9	949.8	931.9	913.9
115°	909.3	927.5	946.2	939.1	932.1	925.0	918.0	911.1	904.1	897.1	890.2
117.5°	800.0	809.1	818.7	817.6	816.5	815.4	814.3	813.2	812.2	811.1	810.1
120°	685.9	688.3	691.3	692.4	693.7	694.8	696.1	697.3	698.5	699.7	700.9
122.5°	588.9	587.4	586.3	587.5	588.7	589.7	591.0	592.1	593.4	594.6	595.8
125°	519.0	515.7	513.0	512.2	511.3	510.3	509.4	508.5	507.6	506.7	505.9
127.5°	467.6	464.0	460.9	458.3	455.8	453.2	450.8	448.2	445.7	443.1	440.7
130°	430.4	427.1	424.6	421.3	418.1	414.7	411.5	408.2	404.9	401.7	398.4
132.5°	403.0	399.9	397.6	394.4	391.4	388.2	385.1	381.9	378.9	375.6	372.6
135°	384.1	381.5	379.8	376.9	374.3	371.4	368.6	365.6	362.9	360.0	357.3
137.5°	367.1	364.8	363.4	361.2	359.1	356.7	354.7	352.4	350.2	347.8	345.8
140°	352.4	349.8	348.3	347.2	346.1	344.9	343.7	342.6	341.4	340.2	339.1
142.5°	340.5	338.2	337.0	336.4	335.8	335.0	334.5	333.7	333.1	332.3	331.7
145°	328.5	325.9	324.4	324.4	324.6	324.7	324.8	324.9	325.0	325.1	325.2
147.5°	319.6	317.0	315.6	316.0	316.3	316.6	316.9	317.2	317.5	317.7	318.0
150°	309.8	306.9	305.2	305.7	306.2	306.7	307.3	307.8	308.2	308.7	309.2
152.5°	301.4	297.9	296.0	296.5	297.1	297.6	298.2	298.6	299.2	299.8	300.4
155°	294.0	290.2	288.4	288.6	288.8	289.0	289.2	289.5	289.8	290.1	290.5
157.5°	288.7	285.0	283.2	283.2	283.3	283.4	283.5	283.7	283.8	284.0	284.2
160°	284.8	281.1	279.4	279.3	279.5	279.5	279.6	279.7	279.9	280.0	280.2
162.5°	281.0	277.4	275.8	275.8	275.9	275.9	276.1	276.0	276.1	276.2	276.4
165°	277.8	274.8	273.5	273.6	273.8	274.0	274.2	274.5	274.7	275.0	275.3
167.5°	277.7	275.0	274.0	273.9	273.7	273.6	273.6	273.5	273.5	273.4	273.4
170°	276.0	273.8	272.9	272.9	273.1	273.1	273.2	273.3	273.4	273.5	273.7
172.5°	275.0	273.4	272.9	273.0	273.3	273.6	273.9	274.1	274.4	274.7	275.0
175°	275.1	274.2	273.9	274.0	274.1	274.3	274.4	274.6	274.7	274.9	275.1
177.5°	276.5	276.1	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.1	276.1
180°	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0



TEST NUMBER: P1444501
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL24

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°	34.4	32.8	31.9	30.2	29.6	27.7	27.3	25.7	25.5	23.6	26.3
92.5°	40.9	39.1	37.1	35.3	33.4	31.5	29.6	27.7	25.8	23.9	25.8
95°	50.2	48.5	46.7	45.0	43.2	41.5	39.8	38.0	36.3	34.5	36.7
97.5°	62.2	61.2	60.2	59.1	58.2	57.1	56.1	55.1	54.1	53.0	54.5
100°	70.3	70.3	70.3	70.3	70.2	70.2	70.2	70.2	70.2	70.2	71.4
102.5°	136.0	132.6	129.3	125.9	122.6	119.2	115.9	112.5	109.2	105.8	110.7
105°	309.2	296.1	283.0	269.8	256.7	243.6	230.5	217.3	204.2	191.1	204.7
107.5°	575.5	551.5	527.7	503.7	479.8	455.9	432.1	408.1	384.3	360.4	381.8
110°	803.7	778.4	753.0	727.7	702.3	676.9	651.6	626.3	600.9	575.6	595.9



TEST NUMBER: P1444501
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL24

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	895.8	879.4	863.2	846.7	830.4	814.1	797.8	781.4	765.1	748.8	758.7
115°	883.1	875.4	867.6	859.9	852.1	844.3	836.6	828.8	821.2	813.4	814.0
117.5°	809.1	806.4	803.9	801.3	798.9	796.3	793.8	791.3	788.8	786.4	780.8
120°	702.3	703.2	703.9	705.0	705.9	707.0	707.7	708.8	709.8	710.8	703.4
122.5°	597.0	598.9	601.1	603.1	605.1	607.3	609.4	611.5	613.8	615.9	608.4
125°	505.0	507.0	509.0	511.1	513.0	515.2	517.3	519.5	521.6	523.9	517.6
127.5°	438.2	439.0	439.7	440.6	441.4	442.4	443.3	444.3	445.2	446.4	442.4
130°	395.2	394.6	394.2	393.7	393.1	392.8	392.4	392.0	391.7	391.4	389.6
132.5°	369.4	368.0	366.6	365.2	363.8	362.5	361.3	360.1	358.9	357.8	357.2
135°	354.4	352.4	350.3	348.4	346.3	344.6	342.7	340.9	339.2	337.4	337.6
137.5°	343.4	341.5	339.5	337.5	335.5	333.6	331.8	330.0	328.2	326.6	327.1
140°	337.9	335.9	333.8	331.9	330.1	328.1	326.3	324.5	322.7	321.1	321.4
142.5°	330.9	329.2	327.2	325.6	323.8	322.1	320.4	318.8	317.2	315.7	316.1
145°	325.3	324.0	322.6	321.2	320.0	318.8	317.5	316.4	315.2	314.2	314.4
147.5°	318.3	317.4	316.3	315.3	314.4	313.4	312.4	311.5	310.7	309.9	310.0
150°	309.7	309.1	308.3	307.8	307.1	306.5	305.9	305.3	304.8	304.3	304.2
152.5°	300.9	300.3	299.6	299.0	298.4	297.9	297.3	296.8	296.3	295.7	295.7
155°	290.8	290.5	290.2	289.9	289.6	289.4	289.1	289.0	288.8	288.6	288.6
157.5°	284.4	284.2	284.1	284.1	284.0	283.9	283.8	283.8	283.7	283.7	283.8
160°	280.4	280.2	279.9	279.8	279.5	279.3	279.2	279.1	278.9	278.7	279.0
162.5°	276.5	276.7	276.7	276.8	276.9	277.0	277.1	277.2	277.3	277.5	277.6
165°	275.6	275.5	275.4	275.3	275.2	275.2	275.1	275.1	275.0	275.1	275.3
167.5°	273.4	273.5	273.7	273.8	274.0	274.2	274.5	274.7	274.9	275.2	275.5
170°	273.7	273.7	273.7	273.7	273.7	273.8	273.8	273.8	273.9	274.0	274.2
172.5°	275.3	275.3	275.2	275.3	275.2	275.3	275.3	275.3	275.3	275.4	275.6
175°	275.2	275.4	275.6	275.7	275.9	276.0	276.1	276.2	276.4	276.5	276.5
177.5°	276.1	276.1	276.1	276.1	276.1	276.1	276.1	276.1	276.1	276.1	276.1
180°	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0



TEST NUMBER: P1444501
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL24

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°	27.0	29.4	30.3	32.6	33.5	36.1	37.1	39.6	40.8	43.5	45.0
92.5°	27.7	29.6	31.5	33.4	35.3	37.1	39.1	40.9	45.0	49.0	53.1
95°	38.9	41.1	43.2	45.5	47.6	49.8	52.0	54.2	60.2	66.1	72.1
97.5°	55.9	57.4	58.9	60.3	61.8	63.2	64.7	66.1	72.5	78.9	85.3
100°	72.5	73.7	74.9	76.0	77.2	78.3	79.5	80.7	93.2	105.5	117.9
102.5°	115.7	120.6	125.6	130.5	135.6	140.5	145.4	150.4	178.8	207.2	235.6
105°	218.2	231.7	245.4	258.9	272.5	286.0	299.5	313.1	358.6	403.9	449.5
107.5°	403.3	424.6	446.0	467.6	489.0	510.3	531.7	553.3	597.5	641.9	686.1
110°	616.4	636.7	657.1	677.7	698.0	718.4	738.9	759.3	785.9	812.3	839.0



TEST NUMBER: P1444501
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL24

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	768.6	778.5	788.4	798.5	808.4	818.4	828.2	838.2	851.4	864.6	877.9
115°	814.7	815.3	815.8	816.5	817.1	817.8	818.5	819.1	823.3	827.3	831.4
117.5°	775.3	769.9	764.4	758.8	753.4	748.0	742.5	737.2	736.1	735.2	734.2
120°	696.2	688.7	681.4	674.0	666.8	659.4	652.3	645.0	641.1	637.2	633.5
122.5°	601.2	593.7	586.5	579.2	571.9	564.6	557.5	550.3	547.4	544.6	541.9
125°	511.4	505.3	499.2	493.0	487.0	480.9	475.0	469.0	468.5	468.0	467.6
127.5°	438.7	434.8	431.1	427.3	423.6	419.9	416.4	412.7	413.9	415.1	416.4
130°	387.8	386.0	384.5	382.6	381.2	379.5	378.0	376.3	378.7	381.1	383.6
132.5°	356.8	356.4	356.0	355.7	355.4	355.2	354.9	354.7	357.5	360.3	363.1
135°	337.9	338.2	338.7	339.0	339.6	339.9	340.4	340.8	343.6	346.3	349.0
137.5°	327.7	328.2	329.0	329.6	330.3	331.0	331.9	332.6	334.7	336.7	338.9
140°	321.9	322.3	322.9	323.4	324.0	324.5	325.2	325.7	327.3	329.0	330.5
142.5°	316.5	316.9	317.5	317.9	318.5	319.0	319.6	320.2	321.3	322.4	323.7
145°	314.6	314.9	315.2	315.6	315.9	316.4	316.7	317.2	317.8	318.4	319.1
147.5°	310.1	310.2	310.4	310.6	310.9	311.1	311.2	311.4	311.8	312.1	312.6
150°	304.2	304.2	304.2	304.2	304.2	304.3	304.4	304.4	304.7	305.0	305.3
152.5°	295.7	295.7	295.6	295.6	295.6	295.7	295.6	295.7	296.0	296.4	296.7
155°	288.8	288.8	289.0	289.1	289.3	289.4	289.6	289.7	289.9	290.0	290.2
157.5°	283.9	284.0	284.2	284.3	284.5	284.6	284.7	284.9	285.1	285.2	285.3
160°	279.2	279.5	279.7	280.1	280.3	280.6	280.9	281.2	281.4	281.5	281.7
162.5°	277.8	277.9	278.1	278.2	278.3	278.5	278.6	278.8	279.2	279.3	279.6
165°	275.6	275.9	276.2	276.3	276.7	277.0	277.3	277.6	277.7	277.8	278.0
167.5°	275.7	276.0	276.2	276.5	276.8	277.1	277.4	277.7	277.8	277.9	278.1
170°	274.5	274.8	275.0	275.3	275.5	275.8	276.1	276.2	276.5	276.8	277.0
172.5°	275.8	276.0	276.1	276.3	276.5	276.8	277.0	277.3	277.5	277.8	277.9
175°	276.5	276.5	276.5	276.6	276.6	276.6	276.6	276.7	276.8	276.8	276.8
177.5°	276.3	276.4	276.6	276.7	276.9	277.0	277.2	277.3	277.3	277.3	277.3
180°	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0



TEST NUMBER: P1444501
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL24

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	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°	48.1	49.7	52.8	54.6	58.2	60.2	59.7	57.5	57.0	54.8	54.3
92.5°	57.1	61.4	65.4	69.5	73.6	77.7	73.9	70.1	66.3	62.5	58.8
95°	78.1	84.1	90.0	96.0	101.9	107.9	101.5	95.1	88.7	82.3	75.8
97.5°	91.7	98.2	104.6	111.0	117.4	123.8	116.3	108.7	101.1	93.7	86.0
100°	130.3	142.6	155.0	167.5	179.9	192.3	178.1	164.1	150.0	135.8	121.8
102.5°	264.1	292.4	320.8	349.4	377.8	406.2	376.2	346.3	316.3	286.3	256.3
105°	494.9	540.5	585.8	631.4	676.8	722.4	673.8	625.2	576.5	528.1	479.4
107.5°	730.5	774.7	819.2	863.4	907.9	952.2	902.9	853.6	804.3	755.0	705.7
110°	865.6	892.1	918.7	945.4	971.9	998.6	962.6	926.6	890.6	854.4	818.5



TEST NUMBER: P1444501
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL24

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	891.1	904.4	917.6	930.9	944.1	957.4	931.6	905.8	879.9	854.2	828.3
115°	835.5	839.6	843.7	847.8	851.9	856.1	838.5	821.1	803.6	786.2	768.6
117.5°	733.2	732.4	731.4	730.5	729.4	728.6	718.7	708.9	698.9	689.1	679.1
120°	629.7	625.7	621.9	618.1	614.3	610.5	606.1	601.8	597.5	593.2	588.8
122.5°	539.1	536.4	533.7	530.9	528.1	525.2	523.4	521.7	519.8	518.0	516.1
125°	467.4	466.9	466.5	466.0	465.6	465.1	464.1	463.0	461.9	460.9	459.7
127.5°	417.5	418.8	419.9	421.2	422.4	423.5	422.9	422.7	422.1	421.7	421.1
130°	385.9	388.3	390.7	393.1	395.3	397.7	397.0	396.3	395.4	394.7	394.0
132.5°	366.0	368.7	371.6	374.4	377.2	379.9	379.0	378.2	377.2	376.4	375.5
135°	351.6	354.4	357.0	359.7	362.3	364.9	363.8	362.8	361.7	360.8	359.7
137.5°	340.9	343.1	345.0	347.0	349.1	351.1	350.0	349.0	348.0	346.9	346.0
140°	332.2	333.7	335.3	336.9	338.5	340.0	338.8	337.6	336.4	335.2	333.9
142.5°	324.7	325.9	327.0	328.1	329.2	330.3	328.8	327.2	325.7	324.2	322.6
145°	319.9	320.5	321.1	321.8	322.4	323.1	321.2	319.7	317.8	316.2	314.4
147.5°	312.9	313.3	313.5	313.9	314.1	314.5	312.9	311.2	309.7	308.0	306.4
150°	305.6	306.0	306.3	306.5	306.9	307.1	305.4	303.8	302.1	300.5	298.9
152.5°	297.0	297.3	297.6	297.8	298.1	298.3	296.8	295.2	293.8	292.1	290.7
155°	290.3	290.5	290.6	290.7	290.8	290.9	289.5	288.4	287.1	285.8	284.5
157.5°	285.4	285.6	285.7	285.7	285.8	285.9	284.9	284.0	282.9	282.1	281.0
160°	281.8	281.9	282.0	282.1	282.2	282.3	281.4	280.6	279.8	279.0	278.1
162.5°	279.8	280.2	280.4	280.6	280.9	281.1	280.1	279.3	278.2	277.2	276.1
165°	278.1	278.2	278.3	278.4	278.5	278.6	277.9	277.2	276.5	275.9	275.2
167.5°	278.2	278.3	278.4	278.5	278.5	278.6	277.9	277.3	276.5	275.9	275.1
170°	277.3	277.5	277.8	277.9	278.2	278.3	277.8	277.2	276.6	276.1	275.6
172.5°	278.2	278.4	278.6	278.8	279.0	279.2	278.6	278.0	277.4	276.8	276.2
175°	276.8	276.9	277.0	277.0	277.0	277.0	276.6	276.1	275.8	275.3	274.9
177.5°	277.3	277.3	277.3	277.3	277.3	277.3	277.0	276.7	276.4	276.1	275.8
180°	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0



TEST NUMBER: P1444501
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL24

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°	52.1	51.8	49.5	49.3	48.1	48.8	48.0	48.7	47.6	48.1	46.7
92.5°	55.0	51.2	47.4	43.6	41.7	39.8	38.0	36.0	34.1	32.2	30.3
95°	69.4	63.0	56.6	50.2	48.0	45.9	43.6	41.5	39.3	37.1	34.9
97.5°	78.4	70.9	63.3	55.8	53.8	52.0	49.9	48.1	46.2	44.3	42.4
100°	107.6	93.5	79.4	65.3	63.6	62.1	60.4	58.9	57.2	55.6	53.9
102.5°	226.4	196.4	166.4	136.4	130.7	125.1	119.4	113.5	107.9	102.2	96.5
105°	430.9	382.2	333.6	285.0	269.6	254.1	238.6	223.2	207.8	192.4	176.9
107.5°	656.3	607.0	557.7	508.4	479.9	451.3	422.8	394.2	365.6	337.0	308.5
110°	782.4	746.3	710.2	674.2	651.3	628.3	605.2	582.3	559.3	536.3	513.2



TEST NUMBER: P1444501
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL24

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	802.6	776.7	750.8	724.9	714.5	704.0	693.7	683.2	672.6	662.2	651.7
115°	751.1	733.6	716.1	698.4	694.7	691.0	687.4	683.6	679.8	676.0	672.2
117.5°	669.3	659.3	649.5	639.6	639.9	640.5	641.0	641.6	642.0	642.5	642.9
120°	584.5	580.1	575.8	571.4	574.4	577.4	580.5	583.4	586.5	589.4	592.3
122.5°	514.3	512.4	510.6	508.7	512.3	516.0	519.6	523.2	526.8	530.3	533.8
125°	458.7	457.6	456.5	455.3	459.0	462.7	466.4	469.9	473.7	477.2	480.6
127.5°	420.7	420.1	419.7	419.2	421.8	424.2	426.7	429.2	431.7	434.0	436.4
130°	393.3	392.4	391.7	391.0	393.2	395.4	397.6	399.8	402.1	404.1	406.2
132.5°	374.7	373.7	372.8	371.9	373.5	375.0	376.6	377.9	379.4	380.7	382.0
135°	358.8	357.6	356.6	355.6	356.9	358.4	359.7	361.0	362.3	363.4	364.7
137.5°	344.9	343.8	342.8	341.7	343.0	344.2	345.4	346.5	347.6	348.8	349.7
140°	332.8	331.5	330.3	329.1	330.2	331.2	332.3	333.4	334.3	335.2	336.2
142.5°	321.0	319.4	318.0	316.4	317.2	317.9	318.6	319.3	320.2	320.8	321.3
145°	312.8	311.0	309.3	307.6	308.1	308.6	309.3	309.8	310.4	310.8	311.2
147.5°	304.8	303.2	301.6	299.9	300.4	300.8	301.2	301.5	301.9	302.2	302.5
150°	297.2	295.5	293.9	292.1	292.5	292.9	293.2	293.6	293.9	294.2	294.5
152.5°	289.0	287.6	285.9	284.4	284.7	285.0	285.3	285.6	285.8	286.1	286.3
155°	283.2	281.9	280.6	279.3	279.5	279.8	280.1	280.3	280.5	280.8	281.0
157.5°	280.0	278.9	278.0	276.8	277.0	277.0	277.2	277.1	277.3	277.3	277.4
160°	277.2	276.3	275.5	274.5	274.5	274.7	274.7	274.8	274.8	274.8	274.8
162.5°	275.2	274.1	273.1	272.1	272.2	272.2	272.4	272.3	272.4	272.4	272.4
165°	274.4	273.7	272.9	272.2	272.2	272.1	272.1	271.9	271.8	271.7	271.5
167.5°	274.4	273.6	272.9	272.1	272.3	272.3	272.4	272.4	272.6	272.5	272.6
170°	275.0	274.3	273.7	273.1	273.0	273.0	272.9	272.9	272.8	272.7	272.6
172.5°	275.7	275.1	274.5	273.8	273.8	273.7	273.7	273.6	273.5	273.4	273.4
175°	274.4	274.0	273.4	273.0	272.9	272.9	272.9	272.9	272.8	272.8	272.7
177.5°	275.5	275.2	274.9	274.6	274.5	274.5	274.5	274.4	274.4	274.4	274.4
180°	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0



TEST NUMBER: P1444501
 CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL24

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°	47.1	45.6
92.5°	28.5	26.7
95°	32.8	30.5
97.5°	40.5	38.6
100°	52.4	50.7
102.5°	90.9	85.1
105°	161.4	146.0
107.5°	279.9	251.4
110°	490.2	467.3



TEST NUMBER: P1444501
CATALOG NUMBER: EHBR1-12-UNV-TA-L835-UPL24

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	641.2	630.7
115°	668.5	664.7
117.5°	643.3	643.7
120°	595.2	598.1
122.5°	537.3	540.7
125°	484.0	487.5
127.5°	438.7	440.9
130°	408.0	410.1
132.5°	383.3	384.5
135°	365.7	366.8
137.5°	350.7	351.6
140°	336.8	337.7
142.5°	321.9	322.4
145°	311.6	312.0
147.5°	302.6	302.9
150°	294.7	294.9
152.5°	286.5	286.7
155°	281.1	281.3
157.5°	277.3	277.3
160°	274.8	274.8
162.5°	272.4	272.4
165°	271.3	271.2
167.5°	272.5	272.6
170°	272.5	272.4
172.5°	273.3	273.2
175°	272.7	272.7
177.5°	274.4	274.3
180°	276.0	276.0

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

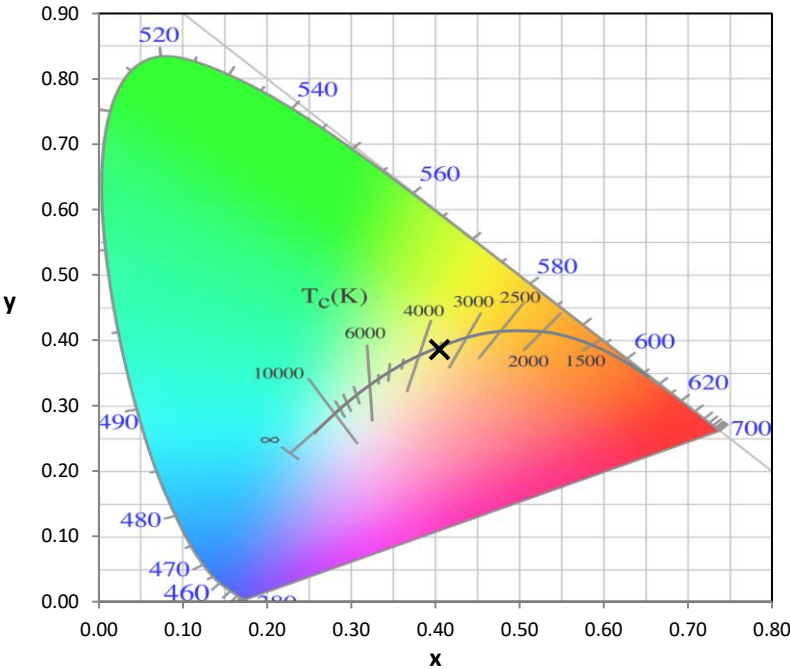
Stabilization Time: 39M
 Operation Time: 1H 39M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-3

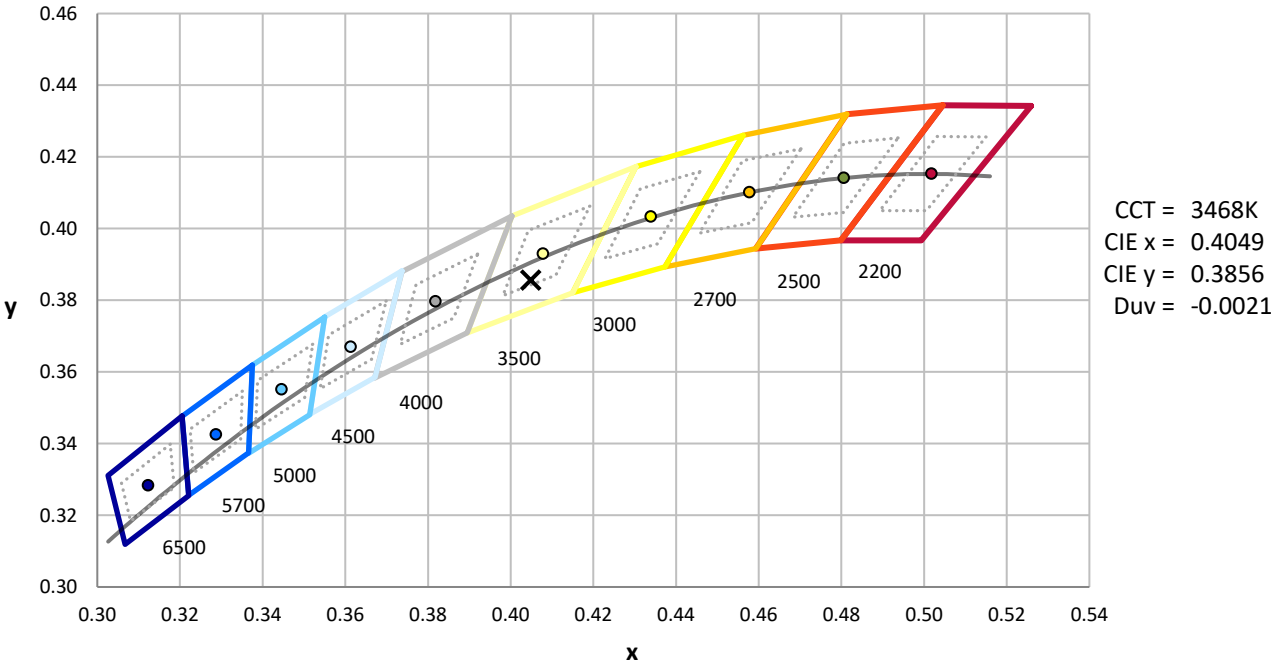
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208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

REPORT NUMBER: SP1-2506-472-3

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-3

Photopic Flux vs. Wavelength



Photopic Lumens: NR

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

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.43

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

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.75

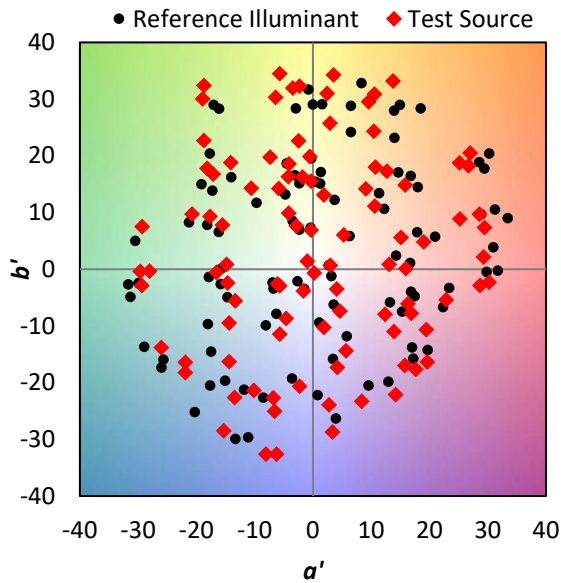
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	60	NR	620	327	NR	750	7	NR	880	0	NR
365	0	NR	495	82	NR	625	322	NR	755	6	NR	885	0	NR
370	0	NR	500	114	NR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

Summary

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

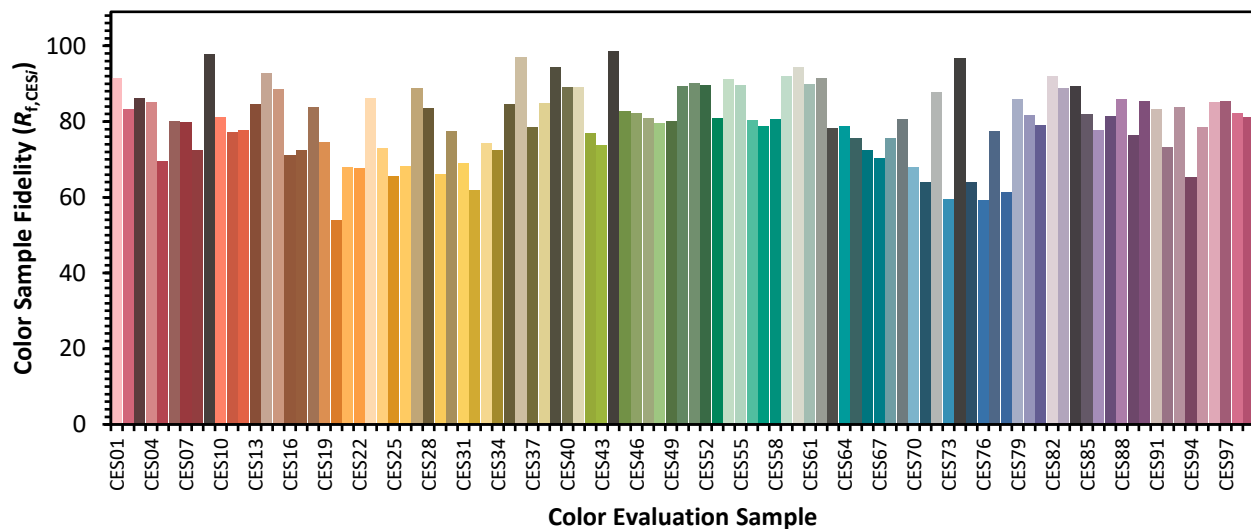


Color Vector Graphics

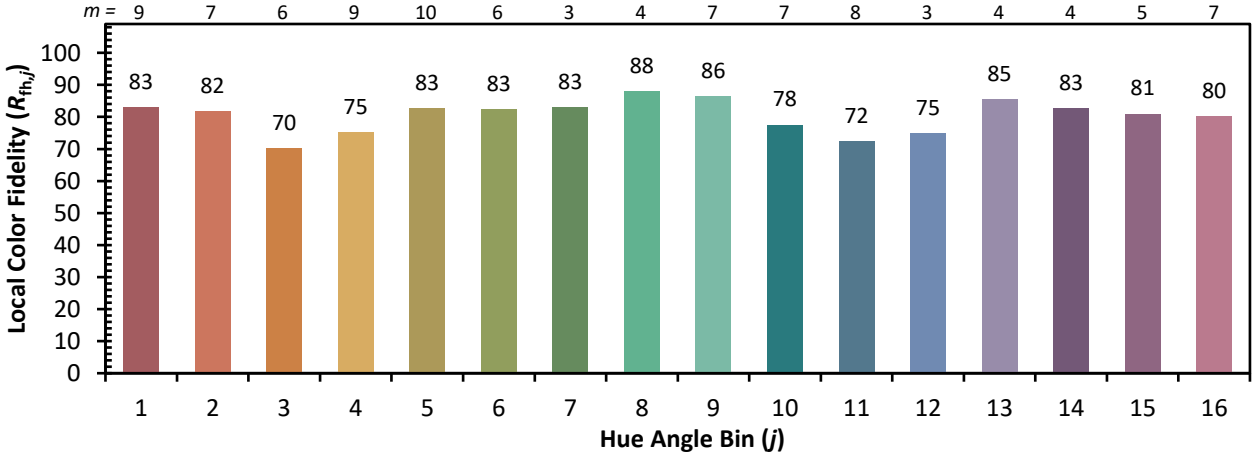


Individual Sample Fidelity Index ($R_{f,i}$)

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



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)