

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: P1444724

Luminaire Tested: EHBR1-18-UNV-TA-L935-UPL18

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444724
REPORT IS A COMBINATION OF REPORTS P1444319 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-18-UNV-TA-L935-UPL18
Description: Elevate Round Highbay at, 18000 lumens, 3500K 90CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

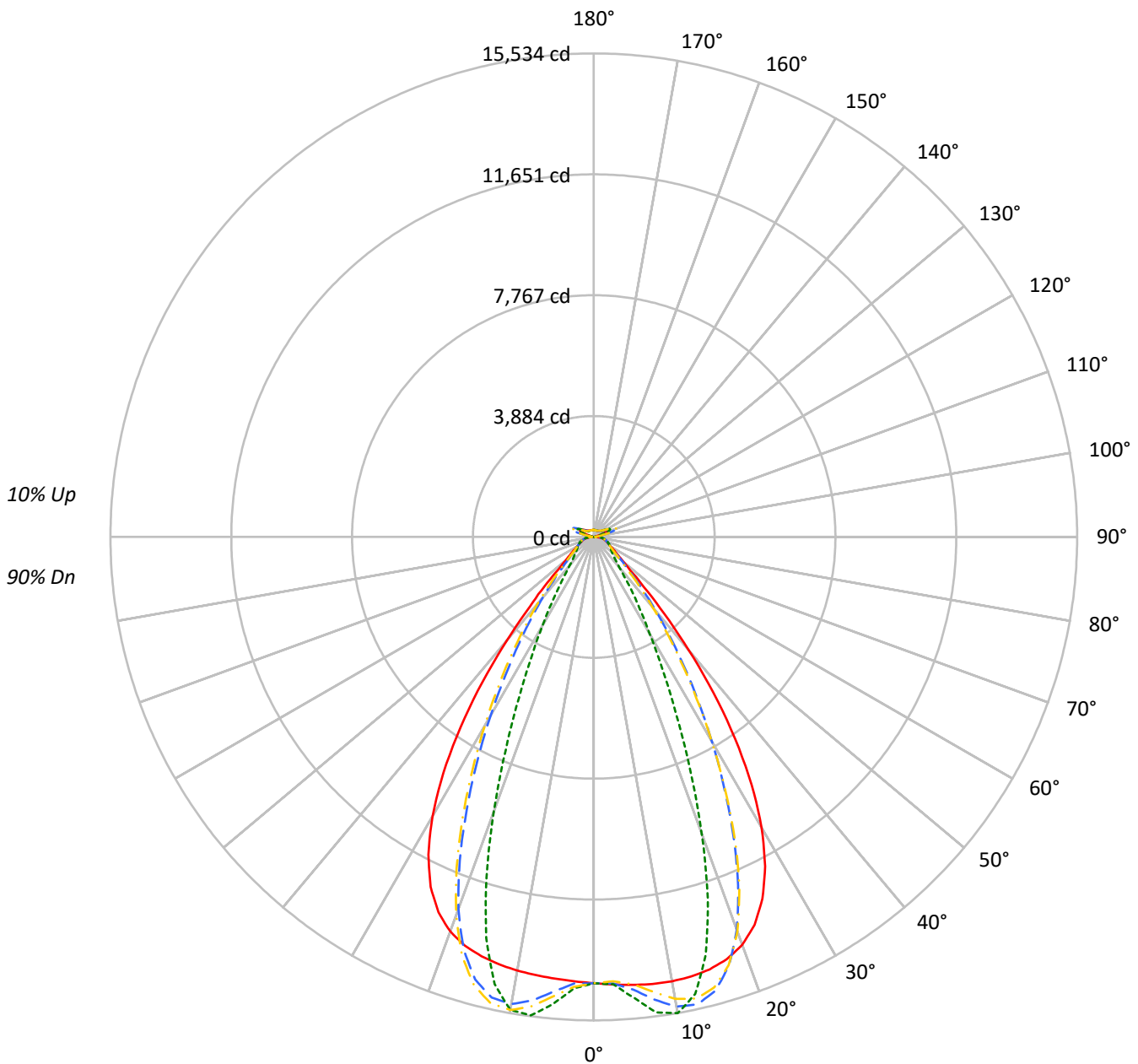
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18273.4 lumens
Efficiency: N/A
Efficacy: 171.4 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 0.77 / 0.88
Luminous Opening: Vertical Cylinder (Dia: 1.71' x H: 0.1')
CIE Type: Direct

Input Watts (W): 106.6
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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	93	93	93	90
1	110	106	103	100	106	103	100	98	97	95	93	92	90	88	87	85	84	84	84	84	82
2	103	97	92	88	99	94	90	86	89	86	83	85	82	79	81	78	76	76	76	76	74
3	96	89	83	78	93	87	81	77	82	78	74	79	75	72	75	72	70	70	70	70	67
4	91	82	75	70	88	80	74	69	76	71	67	73	69	66	70	67	64	64	64	64	62
5	85	76	69	64	83	74	68	63	71	66	62	68	64	60	66	62	59	59	59	59	57
6	80	70	63	58	78	69	62	58	66	61	57	64	59	56	62	58	54	54	54	54	53
7	76	65	59	54	74	64	58	53	62	56	52	60	55	51	58	54	51	51	51	51	49
8	72	61	54	50	70	60	54	49	58	53	49	56	51	48	55	50	47	47	47	47	45
9	68	57	51	46	66	56	50	46	55	49	45	53	48	45	52	47	44	44	44	44	42
10	65	54	48	43	63	53	47	43	52	46	42	50	45	42	49	44	41	41	41	41	40

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	67338	67338	67338	67338
5°	67664	69637	66717	70549
10°	68229	73114	66593	72630
15°	68564	66277	66476	63608
20°	67855	49374	65634	45683
25°	64227	31226	62104	28332
30°	56107	18765	53934	17149
35°	43180	11775	40697	10430
40°	27316	7386	24991	6941
45°	14079	5754	13846	5660
50°	8254	5118	8001	5038
55°	6324	4842	6089	4799
60°	5350	4946	5123	4882
65°	5026	5166	4833	4990
70°	4911	5409	4666	5206
75°	5250	5736	4966	5484
80°	5433	6353	4925	5800
85°	5115	6127	4134	5249

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 21546 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1413.2	7.7
10°-20°	3975.4	21.8
20°-30°	4527.6	24.8
30°-40°	3254.2	17.8
40°-50°	1500.9	8.2
50°-60°	718.2	3.9
60°-70°	524.0	2.9
70°-80°	398.1	2.2
80°-90°	184.0	1.0
90°-100°	49.9	0.3
100°-110°	295.7	1.6
110°-120°	546.5	3.0
120°-130°	332.0	1.8
130°-140°	210.4	1.2
140°-150°	153.6	0.8
150°-160°	105.5	0.6
160°-170°	62.8	0.3
170°-180°	21.3	0.1
0°-30°	9916.1	54.3
0°-40°	13170.4	72.1
0°-60°	15389.4	84.2
0°-90°	16495.7	90.3
90°-120°	892.1	4.9
90°-150°	1588.1	8.7
90°-180°	1778.0	9.7
0°-180°	18273.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	14339	14339	14339	14339	14339	
5°	14447	14869	14245	15063	14447	1381
15°	14384	13904	13946	13345	14384	4053
25°	12826	6236	12402	5658	12826	5814
35°	7925	2161	7469	1914	7925	4864
45°	2278	931	2240	916	2278	1937
55°	855	654	823	648	855	789
65°	525	539	504	521	525	524
75°	370	404	350	386	370	385
85°	176	211	142	180	176	165
90°	52	64	18	21	52	32
95°	23	26	23	26	23	22
105°	106	137	70	137	106	140
115°	476	579	498	579	476	439
125°	354	375	402	376	354	323
135°	274	246	296	248	274	214
145°	240	236	256	238	240	152
155°	222	224	236	225	222	103
165°	218	219	227	220	218	62
175°	222	224	226	225	222	21
180°	225	225	225	225	225	



TEST NUMBER: P1444724
 CATALOG NUMBER: EHBR1-18-UNV-TA-L935-UPL18

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1
2.5°	14394.0	14392.8	14392.6	14391.6	14391.3	14391.3	14390.8	14389.6	14388.9	14387.2	14385.4
5°	14447.3	14446.7	14447.1	14447.2	14446.2	14444.0	14440.5	14436.1	14430.8	14425.6	14421.1
7.5°	14488.7	14489.7	14490.9	14490.7	14487.5	14482.2	14475.1	14471.1	14473.4	14481.2	14499.1
10°	14496.2	14502.4	14504.7	14504.0	14497.7	14493.2	14495.0	14510.1	14540.4	14580.8	14635.9
12.5°	14466.8	14474.3	14474.1	14471.6	14465.6	14471.7	14493.7	14538.9	14603.8	14683.3	14776.6
15°	14384.3	14394.0	14391.3	14388.1	14384.0	14404.3	14448.2	14526.7	14626.9	14739.1	14853.9
17.5°	14224.0	14235.9	14230.1	14226.5	14223.0	14261.0	14336.5	14451.5	14577.6	14704.6	14813.3
20°	13946.1	13954.0	13940.3	13933.9	13939.3	14013.8	14125.0	14271.8	14404.7	14524.7	14599.1
22.5°	13492.5	13502.4	13476.8	13473.8	13505.4	13619.6	13760.3	13924.6	14049.5	14144.5	14173.2
25°	12826.1	12835.8	12805.3	12823.6	12877.4	13032.9	13200.6	13376.2	13482.7	13553.2	13533.8
27.5°	11926.7	11935.4	11906.5	11943.8	12029.0	12233.4	12430.6	12621.1	12716.1	12765.5	12702.9
30°	10792.2	10810.5	10776.3	10828.3	10958.3	11223.7	11449.7	11663.3	11758.0	11795.6	11698.3
32.5°	9444.9	9471.0	9433.3	9510.5	9691.9	10010.7	10267.4	10506.2	10610.8	10653.8	10543.8
35°	7925.1	7962.6	7919.4	8035.3	8259.1	8614.0	8898.3	9164.9	9288.9	9349.7	9238.9
37.5°	6315.1	6350.8	6327.4	6482.2	6727.9	7095.7	7385.9	7673.4	7813.6	7904.8	7817.5
40°	4734.5	4767.1	4784.8	4961.7	5192.8	5539.6	5818.4	6102.8	6259.5	6374.0	6320.1
42.5°	3341.6	3374.5	3434.6	3605.4	3798.1	4085.1	4323.9	4579.3	4729.0	4851.2	4830.4
45°	2277.9	2316.1	2391.4	2531.2	2670.6	2876.6	3051.9	3250.5	3372.8	3484.7	3486.0
47.5°	1596.2	1623.1	1690.4	1785.8	1876.7	2134.5	2145.1	2242.7	2324.9	2408.6	2419.4
50°	1230.2	1246.4	1282.1	1335.3	1386.8	1453.7	1514.9	1585.7	1636.3	1682.1	1693.1
52.5°	1011.1	1021.4	1039.6	1068.4	1098.3	1134.6	1167.4	1206.3	1233.8	1258.3	1263.5
55°	854.6	863.1	890.1	895.6	929.8	936.3	950.9	974.6	990.6	1005.3	1008.9
57.5°	736.5	742.6	748.4	760.6	771.2	786.4	798.7	815.7	825.8	836.5	837.4
60°	643.2	647.7	651.8	660.3	667.5	678.1	686.6	698.1	705.4	713.4	714.3
62.5°	573.9	577.1	579.8	585.4	590.6	598.7	605.4	615.0	621.8	628.0	629.4
65°	524.6	526.9	528.7	532.9	537.4	544.3	550.4	558.3	563.3	568.0	569.0
67.5°	480.9	483.2	484.9	488.8	491.9	497.1	501.2	507.1	510.8	514.6	514.7
70°	430.9	432.9	434.3	437.9	440.4	444.8	448.2	453.4	457.3	461.5	462.6
72.5°	396.2	397.4	399.2	402.6	406.0	410.7	415.2	420.7	425.3	429.7	431.6
75°	369.8	371.2	372.5	375.3	377.7	381.7	385.0	390.1	394.1	398.8	401.1
77.5°	331.8	333.4	334.4	337.3	339.3	343.2	345.7	350.2	353.5	357.7	359.8
80°	285.8	287.3	288.1	290.8	292.4	295.9	298.4	302.7	305.4	309.7	312.2
82.5°	234.8	236.3	236.7	239.3	240.2	243.1	244.8	249.3	252.7	258.2	262.0
85°	175.8	176.4	177.2	176.6	180.2	180.4	184.4	185.2	190.4	191.9	197.9
87.5°	107.5	109.1	109.9	112.4	113.4	115.8	116.6	119.2	120.6	123.6	125.0
90°	51.8	54.7	56.0	59.3	60.5	63.5	64.6	67.9	69.2	72.6	74.5
92.5°	20.0	21.4	22.7	24.2	25.6	27.2	28.7	30.1	31.5	33.2	35.9
95°	22.8	24.4	25.9	27.5	29.0	30.6	32.2	33.7	35.3	36.8	41.2
97.5°	28.7	30.1	31.4	32.7	34.1	35.4	36.8	38.1	39.4	40.8	46.1
100°	37.5	38.7	39.8	41.0	42.1	43.2	44.3	45.5	46.6	47.8	57.6
102.5°	62.3	66.3	70.3	74.3	78.3	82.3	86.4	90.3	94.3	98.3	119.5
105°	105.7	116.6	127.6	138.4	149.4	160.3	171.3	182.1	193.0	203.9	238.4
107.5°	180.8	200.9	221.1	241.4	261.7	281.9	302.1	322.3	342.5	362.6	397.6
110°	334.3	350.6	366.9	383.1	399.4	415.6	431.9	448.0	464.3	480.5	506.0



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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°	450.9	458.2	465.6	473.0	480.4	487.7	495.0	502.4	509.7	517.0	535.3
115°	475.7	478.4	480.9	483.4	486.2	488.6	491.2	493.8	496.3	498.8	511.2
117.5°	461.9	461.4	461.0	460.6	460.0	459.6	459.1	458.6	458.0	457.5	464.5
120°	430.5	428.2	426.1	423.8	421.5	419.2	416.9	414.7	412.4	409.9	412.9
122.5°	391.1	388.4	385.7	383.0	380.3	377.5	374.8	372.0	369.1	366.4	367.5
125°	354.5	351.7	349.1	346.3	343.6	340.7	338.0	335.2	332.3	329.5	330.0
127.5°	322.7	320.9	319.0	316.9	315.0	313.0	311.0	308.9	306.9	304.7	305.0
130°	302.3	300.5	298.8	297.0	295.3	293.4	291.5	289.6	287.8	285.8	286.1
132.5°	285.5	284.4	283.1	281.9	280.6	279.1	277.8	276.2	274.9	273.4	273.8
135°	274.3	273.2	272.2	271.0	269.8	268.4	267.1	265.7	264.4	263.0	263.5
137.5°	264.8	263.9	262.9	261.7	260.7	259.3	258.2	256.9	255.7	254.3	254.8
140°	256.2	255.3	254.4	253.3	252.3	251.3	250.1	249.0	247.8	246.5	247.2
142.5°	246.4	245.6	245.0	244.2	243.4	242.4	241.5	240.5	239.7	238.6	239.5
145°	240.1	239.5	238.9	238.3	237.5	236.7	235.9	235.0	234.3	233.5	234.4
147.5°	234.6	234.1	233.7	233.0	232.6	231.8	231.2	230.4	229.8	229.1	230.0
150°	229.7	229.2	228.8	228.3	227.7	227.1	226.5	225.8	225.2	224.5	225.4
152.5°	224.6	224.1	223.7	223.2	222.7	222.0	221.5	220.9	220.2	219.6	220.4
155°	221.5	221.1	220.6	220.1	219.6	219.1	218.5	217.9	217.3	216.7	217.3
157.5°	219.6	219.2	218.9	218.4	218.2	217.6	217.2	216.7	216.3	215.9	216.3
160°	218.9	218.5	218.2	217.6	217.2	216.8	216.4	215.9	215.5	215.1	215.4
162.5°	218.2	217.7	217.3	217.0	216.6	216.1	215.7	215.3	215.0	214.5	215.0
165°	218.2	218.0	217.7	217.4	217.2	216.9	216.6	216.3	216.1	215.7	216.1
167.5°	220.1	219.8	219.5	219.2	218.9	218.4	218.1	217.7	217.5	217.1	217.4
170°	220.9	220.6	220.4	220.2	220.1	219.9	219.7	219.4	219.2	219.1	219.3
172.5°	222.1	221.8	221.7	221.6	221.4	221.2	221.1	221.0	220.9	220.6	221.1
175°	222.1	221.9	221.8	221.7	221.6	221.5	221.4	221.3	221.3	221.1	221.3
177.5°	223.5	223.4	223.4	223.4	223.4	223.3	223.3	223.2	223.1	223.1	223.2
180°	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1
2.5°	14384.0	14382.3	14379.9	14376.8	14374.2	14371.2	14364.0	14361.9	14364.3	14365.9	14369.2
5°	14418.2	14419.2	14419.6	14426.1	14431.8	14445.8	14556.1	14600.0	14633.9	14655.4	14688.1
7.5°	14521.2	14554.4	14587.2	14631.3	14669.3	14720.7	14913.7	14995.9	15054.3	15096.3	15147.9
10°	14695.9	14768.3	14836.1	14915.6	14984.0	15062.2	15241.9	15321.9	15372.4	15409.2	15443.6
12.5°	14871.8	14972.1	15062.8	15151.4	15225.3	15293.2	15356.4	15384.4	15386.7	15387.9	15369.7
15°	14963.4	15059.4	15139.2	15197.8	15241.3	15260.5	15151.7	15094.6	15022.5	14963.1	14865.3
17.5°	14905.6	14963.1	14997.7	14994.2	14976.3	14916.1	14608.0	14438.5	14270.2	14118.7	13919.9
20°	14648.5	14644.1	14614.1	14529.0	14426.5	14267.1	13738.8	13434.1	13139.3	12880.6	12566.6
22.5°	14170.3	14095.0	13990.1	13806.7	13602.9	13324.3	12567.3	12119.0	11708.8	11346.4	10940.5
25°	13477.4	13322.6	13129.1	12837.8	12521.1	12114.9	11181.8	10624.3	10131.7	9704.5	9236.1
27.5°	12590.5	12357.3	12073.8	11670.7	11241.7	10721.2	9686.8	9071.4	8542.7	8084.7	7586.2
30°	11540.7	11237.4	10871.2	10370.9	9853.4	9263.1	8214.0	7590.7	7055.5	6584.4	6085.5
32.5°	10354.2	9999.0	9569.9	9008.5	8448.7	7841.8	6828.6	6225.3	5714.0	5260.8	4809.3
35°	9045.6	8664.7	8210.7	7638.0	7081.7	6491.7	5562.0	5018.0	4566.4	4165.9	3801.2
37.5°	7641.9	7267.9	6836.4	6296.6	5780.7	5246.1	4443.9	3988.0	3609.2	3276.7	2995.1
40°	6182.4	5855.2	5481.8	5015.2	4574.9	4129.6	3471.1	3109.3	2810.3	2556.7	2345.8
42.5°	4740.8	4487.2	4200.9	3832.1	3495.3	3156.2	2649.4	2381.3	2159.8	1977.2	1828.1
45°	3439.7	3269.9	3078.0	2821.6	2588.5	2352.0	1991.3	1802.9	1658.7	1540.9	1441.4
47.5°	2404.5	2306.1	2300.1	2063.2	1892.2	1747.6	1515.2	1396.2	1307.8	1236.5	1173.5
50°	1688.6	1641.0	1581.8	1497.3	1418.0	1336.2	1194.6	1122.7	1070.9	1027.7	987.9
52.5°	1262.3	1237.7	1206.1	1161.3	1118.3	1072.3	982.7	936.9	920.6	880.4	848.9
55°	1008.3	994.1	976.2	949.8	923.6	913.2	836.5	802.4	780.9	765.0	748.0
57.5°	837.5	826.9	816.3	798.5	783.3	765.0	724.2	706.8	694.0	684.6	672.9
60°	714.4	708.1	702.1	691.6	683.5	673.6	647.7	637.9	631.2	625.5	618.0
62.5°	630.5	627.3	624.2	618.7	614.5	609.1	591.4	586.7	583.3	580.5	576.0
65°	570.0	567.6	566.0	562.3	560.2	557.0	541.8	538.6	536.5	535.5	532.9
67.5°	515.0	512.5	511.4	508.8	507.9	506.0	493.5	491.8	491.0	491.4	490.4
70°	463.6	462.6	463.0	462.7	463.9	464.2	456.7	456.6	457.4	459.0	459.1
72.5°	432.8	432.8	433.3	433.6	434.7	435.2	429.0	428.7	429.1	430.2	430.2
75°	403.4	403.9	405.5	406.0	407.3	407.6	399.3	398.3	398.4	399.5	399.1
77.5°	362.8	364.5	367.6	369.1	371.8	372.2	362.9	361.8	361.8	363.0	362.0
80°	316.8	320.1	324.9	328.3	332.2	333.8	324.2	321.9	319.8	319.5	317.6
82.5°	267.8	271.9	277.7	280.7	284.9	285.9	269.8	266.8	265.0	265.2	263.5
85°	204.5	207.5	212.8	214.5	217.1	216.9	198.6	190.8	192.9	189.6	192.1
87.5°	128.2	130.1	133.3	133.8	135.0	134.7	116.4	112.7	111.7	111.8	110.4
90°	78.5	80.8	84.7	85.8	88.7	89.5	75.6	74.9	72.7	72.5	69.9
92.5°	38.7	41.4	44.2	47.0	49.8	52.7	53.7	55.9	53.2	50.2	47.5
95°	45.8	50.3	54.8	59.5	64.0	68.5	73.1	77.6	73.3	69.2	64.9
97.5°	51.5	56.9	62.2	67.5	72.9	78.3	83.7	89.0	84.5	79.8	75.3
100°	67.7	77.7	87.6	97.6	107.7	117.6	127.7	137.7	128.9	120.0	111.3
102.5°	140.8	162.1	183.3	204.5	225.7	247.0	268.3	289.6	269.4	249.1	228.9
105°	272.9	307.2	341.7	376.0	410.4	444.8	479.4	513.8	481.6	449.3	417.0
107.5°	432.4	467.4	502.2	537.1	572.0	606.9	642.0	676.9	645.5	613.9	582.6
110°	531.6	557.0	582.5	608.0	633.4	658.9	684.7	710.2	691.3	672.4	653.5



TEST NUMBER: P1444724
 CATALOG NUMBER: EHBR1-18-UNV-TA-L935-UPL18

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	553.4	571.7	589.9	608.1	626.2	644.4	663.1	681.4	672.0	662.3	653.0
115°	523.4	535.7	548.0	560.3	572.6	584.8	597.6	610.1	607.0	603.9	601.0
117.5°	471.3	478.2	485.1	492.0	498.7	505.6	513.2	520.2	520.7	521.2	521.8
120°	415.9	418.8	421.6	424.6	427.4	430.3	434.1	437.2	439.8	442.3	444.9
122.5°	368.7	369.8	370.9	372.0	373.0	374.0	376.2	377.6	379.3	381.1	382.9
125°	330.5	331.2	331.7	332.3	332.6	333.3	335.1	335.7	335.9	336.1	336.1
127.5°	305.0	305.2	305.3	305.3	305.3	305.5	306.9	307.2	306.2	305.1	304.1
130°	286.4	286.7	286.9	287.2	287.5	287.9	289.5	290.1	288.2	286.2	284.3
132.5°	274.2	274.5	274.8	275.3	275.7	276.1	277.9	278.6	276.4	274.2	272.0
135°	263.8	264.5	264.8	265.3	265.7	266.4	268.4	269.2	267.2	265.0	262.8
137.5°	255.1	255.8	256.1	256.7	257.1	257.7	259.9	260.8	259.1	257.4	255.8
140°	247.7	248.2	249.0	249.5	250.1	250.9	253.3	254.3	253.0	251.7	250.3
142.5°	240.2	241.1	241.9	242.7	243.6	244.5	247.3	248.6	247.7	246.6	245.8
145°	235.2	236.3	237.2	238.2	239.2	240.3	243.4	244.9	244.3	243.6	243.1
147.5°	230.7	231.7	232.6	233.4	234.4	235.5	238.6	240.2	239.8	239.5	239.0
150°	226.2	227.1	228.0	228.9	230.0	231.0	234.6	236.3	236.0	235.6	235.3
152.5°	221.1	222.0	222.8	223.7	224.5	225.5	229.7	231.4	231.1	230.8	230.6
155°	217.9	218.6	219.2	219.9	220.5	221.4	225.9	227.4	227.2	227.0	226.9
157.5°	216.7	217.2	217.5	218.1	218.5	219.1	223.6	225.2	225.0	224.8	224.7
160°	215.8	216.2	216.4	216.8	217.2	217.6	222.2	223.7	223.6	223.4	223.2
162.5°	215.3	216.0	216.3	216.7	217.2	217.7	222.4	224.0	223.8	223.5	223.3
165°	216.3	216.5	216.8	217.2	217.5	217.8	222.1	223.5	223.4	223.1	223.0
167.5°	217.6	218.0	218.2	218.5	218.9	219.3	223.3	224.6	224.5	224.3	224.2
170°	219.5	219.8	220.0	220.3	220.6	221.0	224.3	225.4	225.2	225.0	224.8
172.5°	221.2	221.6	221.9	222.2	222.5	222.9	225.8	226.8	226.7	226.5	226.2
175°	221.6	221.8	222.1	222.4	222.7	222.9	225.2	225.9	225.9	225.8	225.7
177.5°	223.5	223.7	223.9	224.1	224.3	224.5	225.9	226.4	226.3	226.3	226.2
180°	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8



TEST NUMBER: P1444724
 CATALOG NUMBER: EHBR1-18-UNV-TA-L935-UPL18

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1
2.5°	14369.9	14375.0	14375.7	14381.6	14381.2	14388.2	14387.1	14392.8	14389.4	14394.1	14390.1
5°	14707.5	14738.1	14754.0	14783.9	14793.4	14820.1	14827.6	14852.0	14853.0	14872.4	14868.0
7.5°	15184.6	15229.7	15256.5	15293.4	15312.2	15342.9	15356.5	15379.2	15386.6	15404.6	15406.0
10°	15469.6	15491.4	15506.7	15517.1	15526.5	15530.9	15536.0	15534.7	15536.0	15534.0	15538.5
12.5°	15357.5	15325.5	15304.4	15264.3	15241.0	15196.8	15175.0	15132.4	15117.0	15080.4	15075.2
15°	14789.8	14678.4	14599.6	14485.0	14413.0	14300.3	14234.4	14132.7	14086.3	14005.4	13984.2
17.5°	13755.3	13548.4	13388.2	13182.7	13040.2	12848.1	12727.4	12568.4	12481.4	12353.2	12308.9
20°	12304.9	11998.6	11758.4	11472.2	11267.4	11012.3	10848.9	10642.8	10523.2	10365.8	10302.0
22.5°	10602.0	10220.8	9920.7	9582.6	9335.6	9051.1	8855.4	8632.5	8502.4	8331.3	8255.6
25°	8846.9	8426.4	8092.9	7736.7	7475.6	7190.5	6994.8	6775.7	6641.0	6478.7	6403.5
27.5°	7168.2	6742.7	6420.3	6089.2	5849.6	5592.4	5415.8	5224.5	5105.1	4966.4	4895.6
30°	5686.9	5311.5	5037.2	4762.4	4563.2	4354.3	4207.5	4049.0	3944.2	3825.4	3758.0
32.5°	4480.1	4190.2	3975.4	3757.4	3594.3	3419.8	3292.9	3153.0	3058.4	2952.5	2891.4
35°	3548.1	3323.0	3151.7	2972.1	2832.0	2683.4	2571.5	2450.9	2366.0	2274.7	2222.0
37.5°	2803.4	2624.4	2483.3	2334.3	2219.1	2096.0	2054.5	1916.0	1828.0	1755.2	1704.8
40°	2200.1	2057.7	1941.1	1827.1	1733.2	1639.7	1564.8	1490.8	1434.0	1381.9	1345.9
42.5°	1718.1	1615.0	1529.8	1446.2	1377.8	1309.7	1255.4	1204.4	1166.2	1132.1	1108.9
45°	1365.8	1294.9	1235.7	1176.9	1128.6	1083.1	1046.5	1014.0	989.3	968.9	954.4
47.5°	1122.0	1073.5	1031.7	992.0	959.3	929.4	905.0	897.0	870.4	852.5	845.7
50°	953.5	924.3	892.6	863.3	841.3	819.6	803.6	788.1	778.2	769.9	767.4
52.5°	827.8	805.5	787.8	769.2	754.8	739.3	728.3	718.0	712.5	708.2	707.7
55°	734.4	718.7	707.0	694.6	685.9	676.8	671.1	665.7	663.3	661.1	661.3
57.5°	663.6	653.2	645.6	637.5	632.8	628.4	627.0	625.6	626.4	626.7	627.9
60°	612.1	605.3	600.5	595.9	593.9	592.6	593.6	594.8	597.4	599.4	601.2
62.5°	572.6	568.7	566.4	563.9	563.6	563.8	565.9	568.0	571.2	573.4	575.2
65°	531.9	529.7	529.0	527.4	528.2	528.7	531.2	532.8	535.9	537.8	540.0
67.5°	490.9	490.3	490.9	490.9	492.2	493.5	495.9	497.8	500.4	502.1	503.9
70°	460.5	460.8	461.9	462.0	463.6	464.5	466.6	467.8	470.1	471.6	473.7
72.5°	431.1	430.6	430.9	430.1	430.7	430.4	431.6	432.2	434.2	435.3	438.0
75°	399.6	398.3	398.0	396.5	396.6	395.6	396.1	396.0	397.3	397.9	399.8
77.5°	361.7	359.5	358.4	356.0	355.9	355.0	356.0	356.5	358.9	360.1	362.3
80°	316.3	312.8	311.2	308.4	308.9	308.8	311.1	312.9	315.8	316.2	319.0
82.5°	262.9	259.3	257.7	255.0	255.6	255.6	257.8	258.1	260.6	261.7	264.8
85°	188.2	189.6	185.8	186.1	185.3	186.8	188.2	190.1	192.1	195.6	198.2
87.5°	110.8	110.4	111.8	111.8	113.7	114.8	117.9	119.6	123.1	125.8	130.7
90°	69.0	66.3	66.4	65.0	66.0	64.5	65.5	63.9	65.3	64.7	66.7
92.5°	44.4	41.8	38.7	35.9	32.9	30.2	28.6	27.5	26.0	24.8	23.3
95°	60.6	56.5	52.2	47.9	43.8	39.5	38.0	36.4	34.9	33.4	31.7
97.5°	70.8	66.2	61.6	57.1	52.6	48.0	47.0	46.0	45.0	44.0	42.9
100°	102.4	93.6	84.8	76.0	67.2	58.5	57.6	56.8	56.0	55.2	54.3
102.5°	208.8	188.6	168.5	148.3	128.2	107.9	104.4	101.0	97.4	93.9	90.5
105°	384.7	352.5	320.2	288.0	255.8	223.5	213.9	204.2	194.6	185.0	175.5
107.5°	551.1	519.5	488.1	456.7	425.3	393.9	378.7	363.4	348.2	333.0	317.8
110°	634.4	615.6	596.8	577.8	558.9	540.2	525.7	511.2	496.6	482.1	467.7



TEST NUMBER: P1444724
 CATALOG NUMBER: EHBR1-18-UNV-TA-L935-UPL18

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	643.5	634.1	624.6	615.1	605.7	596.3	589.3	582.1	575.2	568.0	560.9
115°	597.9	594.9	591.8	589.0	586.0	583.0	582.4	582.0	581.4	581.0	580.5
117.5°	522.3	523.0	523.4	524.0	524.7	525.2	528.9	532.7	536.5	540.4	544.3
120°	447.5	449.9	452.4	455.1	457.7	460.3	465.3	470.4	475.5	480.6	485.8
122.5°	384.6	386.4	388.1	390.0	391.8	393.6	398.6	403.6	408.7	413.7	419.0
125°	336.2	336.2	336.3	336.3	336.4	336.7	340.8	344.9	349.0	353.3	357.4
127.5°	303.0	301.8	300.7	299.7	298.5	297.5	299.9	302.4	304.8	307.3	309.8
130°	282.3	280.5	278.5	276.6	274.6	272.7	273.6	274.6	275.5	276.6	277.6
132.5°	269.7	267.5	265.2	262.9	260.6	258.4	258.4	258.3	258.3	258.3	258.5
135°	260.7	258.7	256.4	254.2	252.0	250.0	249.4	248.8	248.3	247.8	247.2
137.5°	254.0	252.4	250.6	249.0	247.2	245.5	244.6	243.9	243.1	242.4	241.8
140°	249.0	247.6	246.2	244.8	243.3	242.1	241.4	240.8	240.0	239.5	239.0
142.5°	244.6	243.6	242.6	241.6	240.6	239.6	238.9	238.3	237.7	237.2	236.6
145°	242.4	241.7	241.0	240.4	239.6	239.0	238.5	238.0	237.5	237.2	236.7
147.5°	238.5	238.2	237.7	237.3	236.8	236.4	236.0	235.8	235.4	235.2	234.8
150°	234.9	234.5	234.0	233.7	233.3	232.9	232.7	232.5	232.3	232.2	232.1
152.5°	230.1	229.8	229.4	229.0	228.7	228.3	228.1	228.0	227.9	227.7	227.6
155°	226.6	226.3	226.1	225.9	225.6	225.4	225.1	224.9	224.7	224.4	224.1
157.5°	224.4	224.2	224.0	223.8	223.5	223.2	223.0	222.9	222.6	222.4	222.1
160°	223.0	222.9	222.6	222.4	222.1	222.0	221.6	221.3	221.0	220.7	220.3
162.5°	223.0	222.6	222.3	222.1	221.7	221.4	221.1	221.0	220.7	220.5	220.2
165°	222.8	222.6	222.4	222.1	222.0	221.8	221.4	221.1	220.7	220.5	220.1
167.5°	224.0	223.9	223.6	223.4	223.1	223.0	222.7	222.4	222.1	221.8	221.3
170°	224.6	224.1	224.0	223.7	223.4	223.1	222.9	222.6	222.2	222.1	221.6
172.5°	226.0	225.8	225.5	225.3	225.0	224.9	224.6	224.4	224.1	223.9	223.6
175°	225.6	225.6	225.5	225.3	225.3	225.2	225.1	225.0	225.0	224.9	224.7
177.5°	226.2	226.2	226.2	226.1	226.0	226.0	225.9	225.8	225.6	225.4	225.3
180°	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8



TEST NUMBER: P1444724
 CATALOG NUMBER: EHBR1-18-UNV-TA-L935-UPL18

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1
2.5°	14394.3	14390.7	14392.4	14385.6	14387.2	14379.1	14378.4	14369.2	14368.3	14359.6	14356.3
5°	14881.7	14873.7	14882.7	14868.6	14871.4	14853.0	14851.5	14827.8	14819.7	14789.9	14777.2
7.5°	15417.3	15414.3	15419.8	15408.0	15407.7	15391.3	15384.5	15363.3	15350.1	15319.0	15299.1
10°	15534.7	15537.4	15532.9	15534.0	15527.7	15525.9	15519.3	15515.2	15504.5	15496.4	15484.5
12.5°	15047.4	15050.3	15031.7	15043.5	15034.2	15055.9	15054.2	15079.8	15083.8	15116.1	15128.4
15°	13921.2	13917.8	13882.1	13904.5	13892.5	13940.2	13950.9	14015.1	14049.5	14131.8	14182.5
17.5°	12220.0	12210.9	12160.7	12188.0	12174.1	12244.4	12268.1	12370.7	12434.7	12567.5	12662.2
20°	10192.1	10174.5	10115.7	10147.8	10133.5	10213.3	10247.0	10371.1	10453.8	10629.6	10754.8
22.5°	8139.0	8111.2	8053.6	8083.5	8070.0	8152.8	8196.7	8321.2	8415.8	8596.4	8742.5
25°	6295.4	6270.5	6214.9	6235.9	6230.8	6300.9	6339.9	6457.6	6550.6	6722.6	6862.0
27.5°	4801.6	4775.8	4725.5	4740.4	4735.3	4794.9	4831.7	4930.1	5010.1	5154.9	5277.4
30°	3674.9	3643.8	3601.2	3609.4	3605.9	3654.2	3688.6	3771.4	3840.0	3962.4	4067.9
32.5°	2816.8	2785.6	2746.4	2750.3	2745.1	2783.1	2811.3	2883.4	2943.1	3047.2	3139.0
35°	2155.3	2191.8	2108.1	2161.1	2105.9	2186.9	2157.8	2202.8	2254.2	2341.9	2418.4
37.5°	1656.9	1631.4	1609.9	1607.6	1607.6	1626.2	1648.4	1691.8	1737.1	1802.4	1869.8
40°	1313.0	1295.1	1281.2	1280.2	1281.2	1294.5	1310.9	1340.9	1374.1	1420.9	1470.5
42.5°	1089.0	1077.2	1068.7	1068.2	1070.8	1080.3	1091.7	1109.4	1131.0	1161.5	1195.4
45°	942.6	936.0	931.3	931.0	932.3	937.1	943.7	954.8	968.5	987.4	1008.9
47.5°	839.8	838.2	835.3	835.4	834.0	836.0	836.8	843.0	850.3	864.5	892.7
50°	764.9	764.9	762.9	762.8	760.9	760.8	759.2	761.7	765.0	773.9	782.9
52.5°	705.8	705.6	703.4	702.9	701.0	700.9	699.5	700.4	700.9	705.4	710.7
55°	659.5	658.2	655.3	654.4	653.6	654.7	654.3	654.3	653.7	655.5	657.2
57.5°	626.4	624.6	621.8	621.1	620.8	622.3	622.3	621.8	619.3	617.7	615.2
60°	600.2	598.4	595.4	594.6	595.1	597.0	596.9	595.3	591.6	588.3	584.6
62.5°	574.3	573.6	572.2	571.9	571.5	571.9	570.5	568.8	565.2	561.7	557.7
65°	539.8	540.2	539.0	539.2	537.8	537.6	535.6	534.0	530.3	527.1	523.0
67.5°	503.8	504.1	503.2	503.2	502.6	502.7	501.4	499.8	496.8	494.1	491.0
70°	474.3	475.0	474.5	474.6	473.7	473.5	471.6	470.0	466.9	464.7	461.8
72.5°	438.8	440.4	440.3	440.7	439.5	438.8	436.5	434.7	431.8	430.1	427.7
75°	400.5	402.6	403.2	404.1	402.3	401.3	398.9	397.3	395.0	394.0	392.4
77.5°	363.2	365.4	367.6	369.7	366.7	364.2	361.0	358.6	355.2	353.9	351.5
80°	321.2	325.3	330.1	334.2	328.9	323.6	318.4	314.6	310.1	308.2	305.3
82.5°	266.6	270.6	273.4	276.1	272.4	268.5	263.5	260.1	255.2	253.4	250.0
85°	202.5	207.6	209.3	210.6	208.3	206.3	201.6	195.2	192.1	187.3	184.8
87.5°	133.1	136.2	136.9	137.3	135.9	134.9	131.9	128.9	123.6	119.8	115.1
90°	65.6	66.8	64.6	64.5	63.5	64.5	62.4	62.3	58.7	58.0	55.0
92.5°	22.0	20.6	19.3	17.9	19.5	20.7	22.1	23.3	24.8	26.0	27.5
95°	30.2	28.6	27.1	25.6	26.8	28.0	29.3	30.5	31.7	33.0	34.3
97.5°	41.9	40.9	39.8	38.8	39.5	40.2	41.0	41.7	42.3	43.1	43.8
100°	53.5	52.7	51.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
102.5°	86.9	83.4	79.9	76.4	78.8	81.1	83.5	85.8	88.3	90.6	93.1
105°	165.9	156.3	146.6	137.0	146.3	155.6	164.9	174.2	183.4	192.9	202.1
107.5°	302.6	287.5	272.3	257.1	274.1	291.0	307.9	324.8	341.8	358.7	375.7
110°	453.2	438.8	424.3	409.8	427.8	445.7	463.7	481.6	499.7	517.6	535.7



TEST NUMBER: P1444724
 CATALOG NUMBER: EHBR1-18-UNV-TA-L935-UPL18

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	553.9	546.9	539.8	532.8	544.4	555.9	567.5	579.1	590.7	602.3	613.9
115°	580.1	579.6	579.2	578.8	584.2	589.7	595.2	600.7	606.2	611.7	617.3
117.5°	548.1	552.0	555.9	559.8	561.6	563.4	565.2	566.9	568.8	570.5	572.4
120°	491.0	496.1	501.4	506.6	505.9	505.2	504.5	503.7	503.3	502.7	502.1
122.5°	424.1	429.2	434.5	439.8	438.2	436.7	435.1	433.7	432.2	430.8	429.4
125°	361.8	366.1	370.5	374.9	373.3	371.8	370.3	368.9	367.4	366.1	364.8
127.5°	312.5	315.2	317.8	320.5	319.8	319.0	318.5	317.8	317.3	316.9	316.4
130°	278.8	279.9	281.1	282.4	282.6	282.8	283.1	283.4	283.9	284.2	284.8
132.5°	258.7	258.8	259.1	259.4	260.2	261.0	262.0	262.9	264.1	265.1	266.3
135°	247.0	246.7	246.4	246.2	247.5	248.6	250.0	251.3	252.8	254.3	255.9
137.5°	241.2	240.6	240.2	239.7	241.0	242.2	243.5	244.9	246.2	247.8	249.5
140°	238.5	238.0	237.7	237.3	238.5	239.7	241.1	242.4	243.9	245.3	247.0
142.5°	236.2	235.6	235.3	235.0	236.1	237.2	238.5	239.6	241.0	242.3	243.8
145°	236.4	236.0	235.8	235.6	236.4	237.2	238.0	238.9	240.0	240.9	242.1
147.5°	234.6	234.4	234.3	234.1	234.7	235.4	236.0	236.6	237.4	238.1	239.0
150°	232.1	231.9	231.8	231.8	232.2	232.5	233.0	233.3	233.9	234.3	235.0
152.5°	227.6	227.4	227.4	227.3	227.7	228.0	228.5	228.8	229.3	229.7	230.2
155°	224.0	223.9	223.8	223.6	223.7	223.9	224.0	224.0	224.4	224.5	224.8
157.5°	222.1	221.9	221.7	221.5	221.5	221.4	221.5	221.4	221.6	221.6	221.7
160°	220.1	219.7	219.5	219.2	219.3	219.2	219.5	219.4	219.6	219.7	219.9
162.5°	220.1	219.9	219.7	219.5	219.4	219.2	219.1	218.9	218.8	218.7	218.6
165°	219.8	219.4	219.2	218.8	218.8	218.7	218.8	218.7	218.7	218.6	218.7
167.5°	221.1	220.8	220.6	220.2	220.1	219.8	219.6	219.3	219.1	218.9	218.8
170°	221.4	221.1	221.0	220.7	220.6	220.4	220.3	220.2	220.1	220.1	220.1
172.5°	223.4	223.1	223.0	222.8	222.7	222.5	222.5	222.4	222.3	222.3	222.2
175°	224.7	224.6	224.5	224.4	224.2	224.1	224.0	223.9	223.8	223.6	223.4
177.5°	225.1	225.0	224.9	224.8	224.7	224.7	224.7	224.7	224.7	224.6	224.6
180°	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8



TEST NUMBER: P1444724
 CATALOG NUMBER: EHBR1-18-UNV-TA-L935-UPL18

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1
2.5°	14347.1	14343.3	14333.3	14328.5	14319.3	14314.7	14307.5	14302.9	14297.1	14292.8	14290.5
5°	14744.6	14726.2	14689.5	14666.9	14627.2	14601.0	14561.5	14532.6	14491.9	14461.9	14423.4
7.5°	15261.8	15233.6	15186.5	15150.8	15095.3	15052.8	14990.5	14940.7	14871.8	14814.6	14744.3
10°	15472.3	15455.9	15434.8	15411.8	15381.0	15350.9	15308.3	15264.9	15207.1	15149.6	15074.4
12.5°	15161.1	15176.6	15207.1	15221.3	15244.6	15252.6	15263.2	15258.2	15248.8	15225.3	15191.3
15°	14279.8	14344.3	14446.3	14516.9	14615.8	14685.3	14777.2	14836.3	14904.4	14945.2	14983.8
17.5°	12829.9	12954.8	13134.9	13278.4	13471.3	13628.1	13820.3	13971.2	14145.4	14279.1	14421.4
20°	10972.9	11147.8	11396.4	11607.4	11886.9	12123.8	12427.3	12681.6	12978.3	13225.5	13492.4
22.5°	8974.3	9179.9	9464.8	9719.4	10053.0	10351.1	10731.4	11067.6	11468.7	11827.9	12225.3
25°	7088.8	7290.3	7580.4	7844.1	8204.4	8532.6	8948.2	9333.8	9799.2	10233.2	10731.4
27.5°	5471.9	5651.0	5905.9	6143.3	6473.2	6795.5	7217.1	7628.5	8125.1	8591.4	9128.3
30°	4225.8	4371.0	4575.4	4766.3	5031.2	5294.8	5670.4	6050.7	6544.9	7028.1	7578.6
32.5°	3274.8	3398.7	3569.3	3724.3	3928.4	4127.2	4403.8	4707.7	5141.2	5604.0	6136.3
35°	2535.1	2641.0	2786.2	2919.7	3087.6	3245.4	3451.8	3668.7	3999.5	4388.9	4865.2
37.5°	2021.1	2064.3	2167.9	2277.3	2416.7	2546.4	2707.8	2868.3	3104.9	3412.1	3801.2
40°	1537.0	1605.7	1690.0	1776.1	1881.6	1985.7	2162.8	2248.1	2403.9	2624.5	2926.4
42.5°	1240.2	1288.4	1347.8	1407.7	1481.2	1553.7	1643.3	1734.5	1851.0	2000.4	2215.2
45°	1037.8	1069.3	1107.5	1147.4	1195.7	1245.2	1305.2	1367.8	1446.8	1538.6	1669.1
47.5°	902.6	920.0	944.9	972.2	1005.4	1039.6	1078.6	1118.5	1167.5	1222.0	1296.3
50°	797.1	811.6	831.0	849.2	872.1	907.1	922.6	944.7	974.1	1006.2	1047.7
52.5°	720.7	730.4	742.6	753.1	767.5	780.6	797.8	813.1	833.5	852.7	879.5
55°	661.3	664.8	671.7	678.4	688.4	697.4	709.2	719.1	732.1	743.6	760.6
57.5°	615.3	615.7	618.8	622.4	628.8	634.4	642.6	649.1	658.1	665.4	675.6
60°	582.3	580.6	581.2	582.4	586.0	589.7	594.9	599.2	604.9	609.1	614.7
62.5°	554.9	552.1	551.5	551.1	553.0	554.3	557.1	559.2	562.4	564.2	567.3
65°	520.1	516.9	515.6	514.2	514.7	514.3	515.3	515.3	517.1	517.4	519.1
67.5°	488.7	486.0	484.3	482.3	481.4	480.0	479.4	478.0	477.7	476.5	476.3
70°	460.0	457.3	456.0	454.1	453.2	451.3	450.1	447.7	446.4	444.2	442.9
72.5°	426.8	425.3	424.9	423.6	423.3	422.3	421.7	420.1	419.2	417.3	416.2
75°	392.1	390.9	390.7	389.4	389.4	388.1	387.8	386.0	385.1	383.3	382.5
77.5°	350.7	348.9	348.4	346.9	347.3	346.7	347.2	345.9	345.3	343.4	342.9
80°	304.2	301.8	300.9	298.9	299.5	298.5	299.5	299.4	300.1	298.5	298.3
82.5°	249.1	246.4	246.0	244.6	245.5	245.6	247.6	246.5	247.0	245.6	246.2
85°	181.2	179.3	176.6	176.3	174.6	176.4	174.0	175.6	173.1	174.8	172.5
87.5°	112.4	108.4	106.3	103.5	102.4	99.8	98.6	96.7	97.2	96.3	96.9
90°	55.0	52.4	52.9	51.5	52.7	51.6	53.1	52.7	54.7	54.3	56.3
92.5°	28.6	30.0	32.4	35.1	37.4	39.9	42.3	45.0	47.3	49.9	52.3
95°	35.4	36.7	40.0	43.3	46.6	49.9	53.2	56.6	59.8	63.2	66.4
97.5°	44.5	45.2	48.5	51.8	55.1	58.5	61.7	65.2	68.4	71.8	75.0
100°	51.0	51.1	60.5	69.9	79.3	88.8	98.2	107.6	117.1	126.4	135.9
102.5°	95.4	97.8	121.5	145.4	169.1	192.9	216.6	240.4	264.2	288.0	311.9
105°	211.4	220.8	257.0	293.3	329.5	365.8	402.0	438.4	474.6	511.0	547.2
107.5°	392.6	409.7	442.5	475.2	507.9	540.7	573.6	606.3	639.1	672.0	704.9
110°	553.7	571.6	593.6	615.6	637.5	659.5	681.5	703.5	725.5	747.5	769.6



TEST NUMBER: P1444724
 CATALOG NUMBER: EHBR1-18-UNV-TA-L935-UPL18

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	625.5	637.1	649.9	662.8	675.6	688.4	701.2	714.1	727.0	739.8	752.7
115°	622.9	628.4	633.3	638.4	643.4	648.4	653.5	658.5	663.7	668.7	673.9
117.5°	574.3	576.2	577.0	577.8	578.6	579.5	580.3	581.2	582.2	583.1	584.0
120°	501.5	500.9	500.1	499.3	498.6	497.8	497.1	496.3	495.7	494.9	494.3
122.5°	428.0	426.7	426.0	425.2	424.5	423.9	423.2	422.6	422.0	421.4	420.7
125°	363.4	362.2	363.0	363.7	364.5	365.3	366.2	367.1	368.0	368.8	369.7
127.5°	315.9	315.5	317.4	319.4	321.4	323.4	325.4	327.5	329.5	331.5	333.5
130°	285.3	285.9	288.3	290.9	293.3	295.9	298.5	301.3	303.6	306.2	308.8
132.5°	267.4	268.7	271.1	273.4	276.0	278.5	280.9	283.4	285.9	288.5	290.8
135°	257.5	259.2	261.3	263.7	265.8	268.2	270.4	272.8	274.9	277.3	279.5
137.5°	251.0	252.7	254.5	256.3	258.1	260.0	261.8	263.7	265.5	267.4	269.2
140°	248.4	250.1	251.1	252.3	253.3	254.4	255.4	256.6	257.5	258.7	259.7
142.5°	245.1	246.7	247.2	248.1	248.7	249.6	250.2	251.1	251.6	252.3	253.0
145°	243.1	244.3	244.3	244.4	244.6	244.8	244.8	245.0	245.0	245.1	245.2
147.5°	239.8	240.7	240.6	240.5	240.5	240.4	240.4	240.3	240.2	240.1	240.0
150°	235.5	236.1	235.7	235.6	235.3	235.2	234.8	234.6	234.3	234.2	233.8
152.5°	230.7	231.2	230.8	230.7	230.2	229.9	229.6	229.4	228.9	228.7	228.4
155°	225.0	225.2	225.0	224.9	224.7	224.5	224.2	224.2	224.1	223.9	223.8
157.5°	221.7	221.7	221.6	221.5	221.4	221.3	221.1	221.1	221.1	221.1	221.2
160°	219.9	220.1	219.9	219.8	219.7	219.6	219.4	219.4	219.4	219.5	219.5
162.5°	218.4	218.4	218.2	218.2	218.1	218.1	217.9	218.0	218.0	218.0	218.1
165°	218.8	218.9	218.6	218.4	218.2	218.1	217.9	217.8	217.8	217.7	217.6
167.5°	218.6	218.5	218.5	218.6	218.6	218.7	218.7	219.0	219.0	219.2	219.2
170°	220.1	220.1	220.0	219.9	219.7	219.7	219.7	219.6	219.5	219.5	219.5
172.5°	222.2	222.2	222.1	221.8	221.6	221.5	221.2	221.1	221.0	220.8	220.6
175°	223.3	223.2	223.1	223.0	223.0	222.8	222.6	222.4	222.3	222.2	222.1
177.5°	224.5	224.4	224.3	224.3	224.3	224.2	224.2	224.2	224.2	224.2	224.1
180°	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8



TEST NUMBER: P1444724
 CATALOG NUMBER: EHBR1-18-UNV-TA-L935-UPL18

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1
2.5°	14287.6	14287.5	14286.1	14286.7	14287.0	14288.0	14289.3	14290.5	14290.8	14291.8	14292.0
5°	14394.6	14359.2	14333.1	14304.3	14282.7	14263.3	14250.3	14240.0	14236.0	14237.0	14239.4
7.5°	14684.5	14611.6	14551.4	14482.9	14425.9	14365.4	14315.3	14267.7	14233.0	14207.1	14192.7
10°	15002.7	14913.8	14828.8	14729.8	14635.8	14535.5	14444.7	14353.3	14276.9	14210.8	14162.1
12.5°	15143.9	15081.0	15007.6	14914.1	14813.6	14697.8	14581.0	14455.8	14339.3	14231.1	14143.9
15°	14994.4	14994.5	14967.8	14922.9	14853.0	14760.6	14649.3	14518.7	14381.3	14241.0	14112.9
17.5°	14519.8	14609.4	14659.1	14690.7	14681.0	14647.0	14576.1	14475.8	14347.7	14198.4	14042.0
20°	13704.9	13916.0	14066.7	14202.1	14277.9	14328.3	14323.4	14282.5	14191.3	14064.2	13901.5
22.5°	12563.3	12917.7	13197.4	13458.3	13641.2	13790.0	13860.7	13890.8	13849.4	13760.9	13608.0
25°	11176.7	11658.7	12069.9	12469.1	12768.5	13025.8	13180.5	13289.4	13298.0	13251.8	13115.4
27.5°	9635.9	10204.8	10725.3	11255.8	11676.9	12046.8	12289.5	12467.2	12523.6	12516.1	12392.2
30°	8097.1	8694.3	9268.1	9886.7	10407.7	10880.3	11201.0	11441.2	11533.8	11551.5	11432.3
32.5°	6643.9	7232.8	7805.0	8451.7	9025.0	9566.7	9945.5	10230.8	10338.5	10363.9	10233.2
35°	5325.0	5868.3	6412.1	7038.8	7608.9	8169.7	8568.9	8867.7	8968.2	8985.2	8833.9
37.5°	4181.3	4644.2	5118.0	5680.3	6203.9	6730.6	7109.9	7390.7	7463.9	7459.4	7288.2
40°	3218.3	3578.2	3958.8	4421.8	4857.1	5302.4	5622.6	5854.7	5893.2	5864.7	5684.9
42.5°	2420.0	2679.8	2955.9	3301.5	3624.4	3957.7	4190.7	4363.0	4368.5	4323.5	4162.0
45°	1802.9	2056.5	2172.2	2381.2	2589.2	2810.8	2953.0	3059.5	3043.0	3003.4	2880.7
47.5°	1374.4	1471.9	1575.2	1704.8	1825.9	2077.4	2058.7	2229.8	2106.6	2190.5	2005.7
50°	1091.4	1145.9	1201.5	1270.3	1333.6	1399.4	1440.4	1471.1	1467.1	1453.9	1418.5
52.5°	928.5	945.4	972.8	1011.9	1047.3	1082.8	1106.2	1125.2	1125.6	1120.2	1102.4
55°	776.0	797.4	817.1	842.7	886.2	892.9	926.4	919.7	922.3	912.9	922.5
57.5°	684.2	696.6	707.8	723.0	735.6	750.3	758.9	767.2	766.4	764.6	755.5
60°	619.2	626.0	632.2	641.0	647.9	656.3	660.3	664.5	663.1	660.0	651.9
62.5°	569.0	573.3	576.8	582.6	586.8	591.9	594.0	595.8	594.0	591.0	583.9
65°	519.5	522.3	524.5	528.8	531.8	536.2	538.0	539.6	538.0	535.7	530.3
67.5°	474.9	475.2	474.9	476.7	477.6	480.3	481.1	482.3	480.4	478.4	473.7
70°	441.0	440.3	439.5	440.2	440.3	441.7	441.8	441.7	439.3	435.9	430.9
72.5°	414.6	414.2	413.6	414.1	414.1	415.3	414.9	414.4	411.6	408.2	403.2
75°	380.6	380.3	379.0	379.0	378.0	378.4	377.0	376.2	373.0	370.3	365.8
77.5°	340.8	340.1	338.2	337.5	335.5	334.7	332.1	330.8	327.6	325.4	321.6
80°	296.3	295.6	293.2	291.9	288.8	286.7	282.9	280.7	277.1	274.9	271.2
82.5°	244.9	245.2	242.8	241.2	236.6	233.1	227.9	225.2	221.1	219.1	215.3
85°	174.2	171.7	173.0	172.9	170.0	167.0	162.9	160.0	156.5	154.5	151.8
87.5°	95.5	96.2	95.4	94.9	92.8	91.3	88.1	86.4	83.8	82.7	80.6
90°	52.4	50.8	47.1	45.6	42.0	39.6	35.5	33.5	29.7	28.8	26.5
92.5°	49.5	46.8	44.0	41.1	38.5	35.7	32.9	30.2	27.4	26.4	25.5
95°	62.4	58.5	54.5	50.4	46.4	42.3	38.4	34.3	30.4	29.5	28.7
97.5°	70.4	65.6	60.9	56.2	51.4	46.7	42.1	37.3	32.5	32.0	31.5
100°	124.9	114.0	103.1	92.2	81.3	70.3	59.5	48.5	37.6	37.0	36.3
102.5°	285.3	258.8	232.4	205.8	179.5	152.9	126.4	100.0	73.5	69.7	65.9
105°	507.2	467.0	427.1	387.0	346.9	306.8	266.7	226.6	186.5	173.7	160.7
107.5°	667.1	629.4	591.8	554.1	516.4	478.8	441.1	403.4	365.6	343.0	320.4
110°	739.7	709.7	679.9	650.0	620.1	590.2	560.3	530.3	500.5	480.9	461.4



TEST NUMBER: P1444724
 CATALOG NUMBER: EHBR1-18-UNV-TA-L935-UPL18

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	730.8	708.9	687.1	665.1	643.3	621.3	599.4	577.4	555.5	543.6	531.7
115°	660.7	647.6	634.3	621.2	608.0	594.7	581.6	568.3	555.0	548.8	542.5
117.5°	577.4	570.6	563.9	557.1	550.4	543.5	536.8	530.0	523.2	521.0	518.9
120°	492.4	490.4	488.2	486.2	484.2	482.1	479.9	477.8	475.6	475.9	476.2
122.5°	421.6	422.3	423.2	423.8	424.7	425.3	426.2	426.8	427.6	429.2	431.0
125°	371.7	373.6	375.6	377.5	379.4	381.3	383.3	385.0	387.0	388.6	390.4
127.5°	335.8	338.0	340.1	342.3	344.5	346.7	348.8	351.0	353.1	354.6	356.3
130°	310.8	312.6	314.6	316.4	318.4	320.2	322.1	324.0	325.8	327.1	328.3
132.5°	292.7	294.3	296.0	297.6	299.4	301.0	302.8	304.3	306.2	307.1	308.0
135°	280.8	282.0	283.3	284.5	285.9	287.1	288.4	289.7	291.0	291.7	292.2
137.5°	270.3	271.3	272.3	273.3	274.3	275.3	276.4	277.5	278.7	279.0	279.4
140°	260.8	261.8	262.9	264.1	265.2	266.3	267.5	268.7	270.0	270.3	270.7
142.5°	253.9	254.6	255.5	256.3	257.2	258.1	259.1	260.0	261.0	261.4	261.7
145°	246.2	247.2	248.2	249.2	250.2	251.3	252.5	253.7	254.9	255.1	255.3
147.5°	240.9	241.7	242.7	243.6	244.4	245.3	246.4	247.4	248.6	248.8	248.9
150°	234.8	235.7	236.6	237.5	238.6	239.6	240.7	241.9	243.1	243.4	243.8
152.5°	229.4	230.4	231.4	232.5	233.7	234.7	236.0	237.2	238.4	238.6	239.1
155°	224.9	225.8	226.9	227.9	229.1	230.2	231.4	232.5	233.7	234.1	234.5
157.5°	222.1	223.0	224.0	225.0	225.9	226.9	228.0	229.0	230.1	230.5	230.8
160°	220.4	221.2	222.1	222.9	223.8	224.7	225.6	226.5	227.4	227.8	228.0
162.5°	218.9	219.8	220.6	221.3	222.3	223.2	224.0	225.0	225.9	226.1	226.5
165°	218.3	218.9	219.6	220.1	220.9	221.4	222.1	222.7	223.5	223.8	224.1
167.5°	219.8	220.2	220.7	221.2	221.8	222.2	222.8	223.3	223.9	224.1	224.5
170°	220.0	220.4	220.8	221.3	221.8	222.2	222.7	223.1	223.7	224.0	224.2
172.5°	220.9	221.1	221.5	221.7	222.1	222.3	222.7	223.0	223.3	223.7	224.0
175°	222.3	222.4	222.6	222.7	222.9	223.0	223.2	223.4	223.6	223.8	224.1
177.5°	224.2	224.3	224.5	224.6	224.8	224.9	225.0	225.1	225.3	225.6	225.9
180°	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8



TEST NUMBER: P1444724
 CATALOG NUMBER: EHBR1-18-UNV-TA-L935-UPL18

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1
2.5°	14291.5	14291.4	14290.9	14290.3	14289.6	14290.0	14290.6	14292.3	14295.2	14299.3	14304.7
5°	14241.4	14244.3	14246.0	14246.1	14244.7	14243.8	14245.1	14249.1	14257.0	14270.2	14288.3
7.5°	14188.8	14192.4	14197.9	14202.1	14202.8	14201.8	14202.1	14208.2	14222.8	14248.7	14285.0
10°	14132.6	14121.9	14127.6	14137.8	14146.1	14147.5	14148.5	14155.8	14177.2	14216.3	14274.6
12.5°	14080.7	14046.9	14040.4	14049.7	14062.1	14066.1	14065.0	14068.1	14093.1	14144.9	14226.2
15°	14012.5	13948.9	13927.1	13929.6	13944.9	13950.4	13946.4	13940.2	13964.6	14027.8	14132.9
17.5°	13902.1	13799.5	13759.5	13757.8	13775.7	13780.6	13770.7	13751.6	13775.6	13854.4	13984.9
20°	13734.1	13582.8	13507.6	13495.6	13515.1	13509.4	13489.7	13460.8	13492.3	13588.2	13743.5
22.5°	13432.3	13240.6	13112.0	13070.5	13093.8	13078.3	13049.5	13012.6	13054.6	13163.5	13336.5
25°	12939.2	12717.5	12541.6	12442.8	12461.4	12433.5	12402.2	12357.4	12407.5	12532.5	12722.9
27.5°	12214.3	11958.3	11740.2	11576.7	11582.8	11546.2	11510.2	11452.2	11514.6	11662.6	11877.4
30°	11250.4	10954.2	10688.6	10466.5	10446.5	10411.1	10374.2	10298.2	10376.3	10553.5	10804.3
32.5°	10040.0	9711.0	9404.2	9123.3	9070.3	9035.6	9002.7	8915.3	9017.6	9224.2	9512.5
35°	8624.4	8274.0	7941.3	7620.4	7532.7	7498.1	7469.3	7385.5	7513.1	7738.0	8049.3
37.5°	7070.5	6712.5	6382.2	6053.3	5929.2	5882.3	5861.4	5806.5	5953.8	6176.1	6488.7
40°	5475.3	5142.5	4846.3	4555.8	4414.4	4342.6	4331.6	4321.6	4464.0	4656.9	4940.7
42.5°	3983.1	3714.6	3486.2	3264.1	3136.0	3037.9	3037.9	3067.7	3195.8	3340.4	3559.2
45°	2755.2	2575.1	2429.5	2281.1	2320.8	2125.3	2240.2	2181.3	2244.6	2337.8	2480.0
47.5°	1894.0	1795.6	1715.7	1632.8	1572.3	1514.7	1519.6	1556.9	1616.5	1671.8	1745.9
50°	1380.3	1330.3	1289.5	1246.5	1216.5	1191.0	1192.5	1208.6	1239.9	1269.0	1307.7
52.5°	1081.6	1054.0	1031.9	1008.0	992.2	979.7	980.3	988.2	1005.1	1021.7	1043.9
55°	891.6	888.2	859.4	838.1	829.9	821.4	822.9	826.0	837.5	847.3	862.0
57.5°	747.1	734.1	725.5	714.3	709.1	703.2	704.5	705.7	713.4	719.9	730.5
60°	645.1	636.0	629.8	622.2	618.8	615.0	615.9	616.6	621.5	625.7	633.3
62.5°	577.3	569.2	563.8	557.9	555.6	553.0	553.6	553.8	556.8	560.0	565.7
65°	525.4	518.9	514.4	509.4	506.9	504.2	504.5	504.5	507.1	509.4	513.7
67.5°	470.4	465.5	462.7	458.6	456.9	454.3	454.2	453.3	455.0	455.9	458.9
70°	426.3	421.4	417.7	413.8	411.7	409.3	409.4	409.4	411.4	413.5	417.2
72.5°	399.1	394.3	391.1	387.6	385.6	383.6	383.3	383.0	384.5	385.6	388.1
75°	363.0	359.2	357.3	354.1	352.5	350.2	349.8	348.8	349.5	349.7	351.6
77.5°	319.2	315.6	314.0	310.9	309.5	306.9	306.7	305.5	306.1	305.7	307.2
80°	269.3	266.0	265.2	262.6	261.9	259.5	259.1	257.7	258.1	257.0	257.5
82.5°	213.6	210.6	210.0	207.5	207.5	205.4	205.2	203.0	203.0	201.2	198.2
85°	150.5	148.3	147.4	145.4	144.7	143.0	142.1	140.0	139.3	137.9	137.5
87.5°	79.4	78.0	76.8	75.9	74.0	71.0	70.7	68.5	68.7	67.2	67.2
90°	25.7	23.6	22.9	20.9	20.1	18.6	17.9	18.3	18.9	19.3	20.0
92.5°	24.6	23.7	22.7	21.8	20.8	19.8	18.9	19.8	20.8	21.8	22.7
95°	27.9	27.1	26.2	25.4	24.6	23.7	22.9	23.7	24.6	25.4	26.2
97.5°	31.0	30.5	30.0	29.5	28.9	28.5	27.9	28.5	29.0	29.5	30.1
100°	35.8	35.2	34.5	33.9	33.4	32.7	32.1	32.8	33.4	34.0	34.6
102.5°	62.0	58.2	54.4	50.6	46.7	42.9	39.1	42.9	46.7	50.7	54.5
105°	147.8	135.0	122.1	109.2	96.3	83.4	70.5	83.4	96.3	109.2	122.2
107.5°	297.6	275.1	252.3	229.7	206.9	184.3	161.5	184.3	207.0	229.8	252.4
110°	441.8	422.3	402.7	383.1	363.5	343.9	324.3	344.0	363.6	383.2	402.9



TEST NUMBER: P1444724
 CATALOG NUMBER: EHBR1-18-UNV-TA-L935-UPL18

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	519.9	508.0	496.0	484.2	472.2	460.3	448.4	460.4	472.4	484.4	496.3
115°	536.3	529.9	523.8	517.4	511.1	504.8	498.4	505.0	511.4	517.8	524.2
117.5°	516.6	514.4	512.3	510.1	507.7	505.6	503.2	505.6	508.0	510.5	512.8
120°	476.4	476.6	476.9	477.1	477.3	477.5	477.5	477.6	477.6	477.6	477.5
122.5°	432.5	434.1	435.7	437.3	438.8	440.4	441.8	440.6	439.2	438.0	436.6
125°	392.1	393.8	395.3	397.1	398.6	400.3	401.7	400.6	399.2	397.9	396.3
127.5°	357.7	359.3	360.7	362.3	363.6	365.0	366.2	365.3	364.2	363.1	361.8
130°	329.4	330.6	331.5	332.7	333.7	334.7	335.6	335.0	334.3	333.7	332.8
132.5°	308.8	309.7	310.6	311.4	312.1	312.9	313.4	313.1	312.8	312.4	311.9
135°	292.8	293.5	294.0	294.6	295.1	295.5	295.7	295.8	295.7	295.6	295.4
137.5°	279.6	280.1	280.3	280.5	280.6	280.8	280.8	281.1	281.3	281.7	281.7
140°	270.9	271.3	271.6	271.8	272.0	272.2	272.2	272.5	272.7	273.0	273.0
142.5°	262.0	262.4	262.7	262.9	263.0	263.2	263.2	263.6	263.7	264.0	264.1
145°	255.5	255.7	255.9	255.9	256.0	255.9	255.9	256.3	256.7	256.9	257.3
147.5°	249.1	249.2	249.4	249.4	249.5	249.4	249.4	249.8	250.1	250.4	250.8
150°	244.1	244.4	244.7	245.0	245.1	245.3	245.3	245.6	245.8	246.0	246.1
152.5°	239.4	239.6	239.8	240.1	240.3	240.4	240.4	240.7	241.0	241.2	241.3
155°	234.8	235.2	235.5	235.8	236.0	236.3	236.5	236.7	236.8	237.0	237.1
157.5°	231.1	231.5	231.7	232.0	232.2	232.6	232.7	233.0	233.2	233.4	233.6
160°	228.3	228.7	228.9	229.2	229.5	229.8	229.9	230.2	230.5	230.6	230.8
162.5°	226.8	227.0	227.2	227.5	227.8	228.0	228.3	228.6	228.8	228.9	229.1
165°	224.5	224.9	225.2	225.6	225.9	226.3	226.6	226.8	226.9	226.9	227.0
167.5°	224.8	225.1	225.5	225.9	226.0	226.4	226.8	226.9	226.9	227.0	227.0
170°	224.5	224.9	225.2	225.5	225.8	226.0	226.2	226.3	226.4	226.5	226.6
172.5°	224.3	224.8	225.0	225.4	225.8	226.1	226.4	226.5	226.4	226.2	226.1
175°	224.3	224.7	225.0	225.3	225.6	225.9	226.2	226.0	225.9	225.9	225.8
177.5°	226.3	226.7	227.1	227.4	227.7	228.0	228.4	228.1	227.9	227.6	227.3
180°	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8



TEST NUMBER: P1444724
 CATALOG NUMBER: EHBR1-18-UNV-TA-L935-UPL18

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1
2.5°	14312.4	14319.5	14330.5	14340.4	14355.3	14367.1	14384.9	14398.3	14418.2	14431.3	14453.0
5°	14313.7	14341.7	14378.5	14414.4	14457.6	14496.8	14545.6	14587.1	14636.0	14676.0	14726.1
7.5°	14333.9	14387.9	14452.6	14517.9	14591.6	14660.6	14738.3	14808.7	14885.5	14950.7	15021.8
10°	14348.8	14432.1	14527.5	14623.4	14724.5	14818.4	14913.1	14995.0	15071.5	15134.5	15190.2
12.5°	14328.6	14443.4	14565.7	14683.9	14796.3	14893.3	14974.9	15037.9	15081.3	15110.9	15117.8
15°	14259.7	14397.9	14530.9	14648.6	14741.8	14813.8	14850.9	14868.3	14849.7	14818.6	14750.4
17.5°	14131.2	14276.9	14395.8	14488.7	14537.9	14557.5	14526.6	14473.0	14368.2	14251.8	14083.9
20°	13895.6	14031.2	14117.5	14168.2	14155.0	14106.2	13989.8	13848.3	13639.2	13416.2	13121.9
22.5°	13482.1	13600.7	13646.7	13650.5	13570.1	13448.0	13238.1	12995.5	12665.4	12322.3	11900.3
25°	12861.6	12965.5	12972.7	12932.0	12784.8	12587.0	12278.9	11935.5	11487.1	11029.8	10501.0
27.5°	12020.0	12119.6	12095.2	12019.1	11814.8	11550.3	11155.6	10712.2	10159.2	9619.2	9034.2
30°	10962.1	11068.6	11040.0	10942.3	10699.4	10386.6	9922.2	9407.1	8793.2	8216.4	7623.6
32.5°	9696.1	9830.8	9811.0	9718.2	9464.6	9130.0	8626.1	8079.7	7451.6	6883.2	6306.5
35°	8257.1	8420.7	8429.1	8368.4	8133.0	7802.2	7304.7	6775.8	6174.2	5637.9	5105.2
37.5°	6706.7	6896.3	6935.3	6918.9	6723.9	6431.9	5978.5	5504.0	4971.1	4501.1	4045.5
40°	5147.9	5339.7	5406.3	5426.1	5282.2	5056.0	4683.9	4301.0	3866.5	3485.7	3123.8
42.5°	3726.2	3896.3	3960.7	4001.2	3911.3	3760.5	3489.1	3210.9	2892.6	2617.9	2354.6
45°	2587.9	2708.3	2757.2	2797.9	2749.0	2664.0	2492.6	2318.6	2108.5	1928.9	1759.0
47.5°	1809.3	1875.7	1908.0	1927.8	1908.8	1864.5	1771.1	1670.5	1551.8	1447.0	1346.1
50°	1341.1	1376.4	1393.4	1404.8	1390.9	1366.3	1315.8	1261.0	1195.8	1136.4	1078.4
52.5°	1062.8	1083.1	1093.1	1099.3	1091.3	1076.3	1046.9	1014.4	975.3	938.6	919.3
55°	895.4	894.3	917.5	906.3	917.5	892.5	887.2	851.5	819.0	796.2	771.5
57.5°	738.4	748.9	753.3	758.3	755.1	750.5	738.0	725.2	708.1	693.8	678.6
60°	639.1	647.8	652.7	657.6	657.4	655.6	648.4	640.8	630.1	621.5	612.2
62.5°	570.8	578.3	583.1	587.8	588.3	587.6	582.1	576.8	569.5	564.2	557.8
65°	517.1	522.3	525.6	529.4	529.1	528.1	523.2	518.8	512.8	509.1	504.4
67.5°	460.8	464.8	467.3	470.8	471.6	471.7	469.0	466.9	464.0	463.0	461.4
70°	420.7	425.5	429.7	434.1	436.6	437.8	436.6	435.6	433.9	433.1	431.9
72.5°	390.4	394.5	397.7	401.8	404.1	405.8	404.9	404.2	402.8	402.6	401.7
75°	352.8	355.6	357.5	360.5	361.7	363.3	362.6	363.0	362.4	363.6	363.6
77.5°	307.6	309.7	310.5	312.8	313.0	314.9	315.2	317.4	318.9	322.4	324.2
80°	256.7	258.0	258.0	260.3	261.3	264.5	265.9	269.5	271.2	274.2	274.4
82.5°	199.4	197.9	199.4	198.4	201.4	204.8	205.4	208.4	209.1	211.0	209.5
85°	136.3	136.2	135.0	135.2	134.3	134.7	134.2	134.8	134.2	134.3	132.9
87.5°	65.3	65.9	64.4	65.0	63.5	64.2	63.0	63.9	62.5	62.7	60.5
90°	20.5	21.1	21.7	22.3	23.1	24.8	26.6	28.4	30.4	32.0	33.9
92.5°	23.7	24.7	25.6	26.6	27.5	30.3	33.0	35.8	38.6	41.3	44.1
95°	27.1	27.9	28.7	29.6	30.5	34.4	38.5	42.5	46.6	50.6	54.7
97.5°	30.6	31.2	31.7	32.2	32.7	37.4	42.2	46.9	51.7	56.5	61.2
100°	35.3	36.0	36.5	37.2	37.8	48.8	59.7	70.6	81.6	92.5	103.5
102.5°	58.3	62.1	66.0	70.0	73.8	100.3	126.8	153.4	179.7	206.2	232.7
105°	135.1	148.0	161.0	173.9	186.8	226.9	267.1	307.2	347.3	387.4	427.5
107.5°	275.3	297.9	320.7	343.3	366.1	403.9	441.7	479.3	517.1	554.8	592.5
110°	422.5	442.1	461.8	481.4	501.0	530.9	561.0	590.9	620.8	650.8	680.7



TEST NUMBER: P1444724
 CATALOG NUMBER: EHBR1-18-UNV-TA-L935-UPL18

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	508.5	520.3	532.3	544.2	556.1	578.1	600.2	622.2	644.2	666.1	688.1
115°	530.6	536.8	543.3	549.5	555.9	569.3	582.5	595.8	609.1	622.3	635.6
117.5°	515.1	517.4	519.8	522.0	524.2	531.0	538.0	544.8	551.7	558.5	565.4
120°	477.5	477.4	477.3	477.1	476.9	479.0	481.3	483.4	485.7	487.8	489.9
122.5°	435.1	433.6	432.2	430.6	429.1	428.3	427.8	427.0	426.4	425.7	425.1
125°	395.0	393.4	391.9	390.3	388.6	386.8	385.0	383.2	381.3	379.5	377.6
127.5°	360.6	359.2	358.0	356.5	355.1	353.0	350.8	348.8	346.7	344.6	342.4
130°	332.1	331.1	330.2	329.0	328.1	326.2	324.5	322.6	320.7	318.9	317.1
132.5°	311.3	310.7	310.1	309.2	308.5	306.8	305.3	303.6	302.0	300.4	298.8
135°	295.1	294.7	294.5	294.0	293.6	292.3	291.2	289.9	288.8	287.5	286.3
137.5°	281.8	281.7	281.7	281.5	281.4	280.3	279.3	278.4	277.4	276.4	275.4
140°	273.1	273.0	273.1	272.9	272.8	271.7	270.6	269.5	268.5	267.5	266.4
142.5°	264.1	264.1	264.2	264.0	263.9	263.0	262.4	261.5	260.7	259.8	259.0
145°	257.4	257.6	257.7	257.7	257.9	256.8	255.9	254.8	254.0	252.9	252.0
147.5°	251.0	251.1	251.3	251.4	251.6	250.7	250.0	249.1	248.3	247.5	246.8
150°	246.2	246.2	246.2	246.2	246.2	245.3	244.5	243.6	242.9	241.9	241.2
152.5°	241.4	241.5	241.6	241.6	241.7	240.9	240.0	239.1	238.2	237.2	236.4
155°	237.2	237.3	237.3	237.3	237.3	236.5	235.6	234.8	234.0	233.0	232.2
157.5°	233.7	233.7	233.8	233.9	233.9	233.2	232.5	231.7	231.0	230.3	229.6
160°	230.9	231.1	231.2	231.2	231.4	230.8	230.2	229.6	229.0	228.3	227.6
162.5°	229.3	229.5	229.6	229.6	229.8	229.1	228.6	228.0	227.4	226.7	226.0
165°	227.0	227.0	227.0	227.0	227.0	226.6	226.3	225.9	225.5	225.0	224.6
167.5°	227.0	227.0	227.0	227.0	227.0	226.8	226.6	226.2	225.9	225.6	225.2
170°	226.5	226.5	226.5	226.5	226.5	226.2	225.9	225.6	225.4	225.0	224.6
172.5°	226.0	225.9	225.8	225.7	225.6	225.4	225.1	225.0	224.9	224.6	224.4
175°	225.6	225.4	225.3	225.1	225.0	225.0	224.9	224.9	224.8	224.6	224.5
177.5°	227.0	226.9	226.6	226.2	226.0	225.9	225.9	225.8	225.8	225.7	225.6
180°	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8



TEST NUMBER: P1444724
 CATALOG NUMBER: EHBR1-18-UNV-TA-L935-UPL18

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1
2.5°	14466.5	14377.1	14365.3	14371.6	14386.5	14392.1	14408.1	14412.5	14428.8	14432.7	14448.3
5°	14764.9	14646.8	14652.7	14681.2	14724.1	14749.8	14792.0	14814.1	14854.5	14872.8	14909.2
7.5°	15079.7	14987.0	15015.9	15063.7	15122.6	15163.2	15214.0	15247.1	15290.8	15318.0	15352.9
10°	15234.2	15208.8	15240.6	15278.4	15311.9	15338.2	15359.7	15376.9	15388.1	15398.7	15403.3
12.5°	15116.7	15156.0	15161.3	15157.7	15135.5	15118.6	15080.4	15054.6	15008.6	14980.6	14925.9
15°	14680.6	14767.1	14719.2	14646.7	14540.7	14452.2	14327.3	14234.4	14104.3	14016.1	13885.6
17.5°	13915.5	14024.6	13899.9	13732.2	13518.8	13336.3	13109.0	12928.5	12702.6	12538.2	12327.3
20°	12838.3	12940.3	12717.8	12439.8	12109.7	11831.9	11504.4	11243.0	10938.6	10712.2	10438.9
22.5°	11497.2	11569.8	11256.3	10881.6	10461.0	10114.0	9722.4	9409.0	9061.7	8802.7	8511.3
25°	10013.5	10033.1	9657.0	9225.2	8756.5	8366.5	7948.4	7619.0	7264.7	7002.3	6716.4
27.5°	8515.9	8487.1	8080.7	7622.9	7129.8	6724.4	6316.7	6008.0	5697.6	5461.3	5214.9
30°	7102.4	7032.8	6610.8	6140.2	5661.6	5298.3	4959.7	4711.8	4464.9	4277.4	4079.7
32.5°	5806.2	5708.0	5297.2	4856.3	4453.1	4172.6	3921.6	3734.0	3534.7	3376.3	3210.3
35°	4658.1	4553.5	4189.6	3815.7	3510.6	3303.8	3106.5	2952.6	2783.4	2649.8	2505.6
37.5°	3672.8	3587.0	3282.2	2988.1	2757.2	2597.0	2435.4	2309.6	2169.8	2110.9	1956.9
40°	2835.4	2775.5	2537.1	2320.3	2146.9	2071.7	1907.6	1790.1	1685.5	1599.3	1515.8
42.5°	2211.6	2190.4	1958.5	1789.4	1667.3	1572.5	1481.0	1406.8	1334.5	1275.1	1219.0
45°	1623.1	1606.2	1503.2	1405.6	1322.4	1256.2	1194.4	1143.3	1096.0	1056.9	1021.3
47.5°	1263.9	1258.4	1199.2	1138.6	1086.2	1043.6	1003.6	969.7	938.3	912.1	903.6
50°	1028.0	1027.2	992.4	955.1	917.7	893.2	867.5	847.5	827.4	811.7	795.1
52.5°	873.4	869.6	846.1	823.0	800.9	784.8	768.4	755.6	742.3	732.6	722.3
55°	751.9	755.9	742.3	728.5	714.6	704.6	693.2	684.7	675.6	669.4	663.3
57.5°	667.5	672.8	665.7	657.8	649.4	642.8	634.9	629.1	622.9	619.0	615.5
60°	606.2	611.9	609.1	605.1	599.9	595.9	590.9	587.7	583.7	581.5	579.5
62.5°	554.0	561.2	560.2	558.4	555.0	552.9	550.1	548.6	546.1	545.1	544.2
65°	502.1	510.2	510.0	509.1	507.3	506.6	504.9	504.6	503.3	503.8	503.6
67.5°	461.2	468.2	469.8	470.9	470.8	471.3	471.1	471.8	471.8	472.8	473.5
70°	431.8	436.6	437.8	438.9	439.3	440.2	440.2	440.8	440.7	441.5	441.7
72.5°	402.0	408.4	409.5	410.5	410.5	411.4	410.9	410.7	409.5	409.2	408.3
75°	364.8	373.0	374.9	376.0	376.2	377.0	375.9	375.2	373.0	372.2	370.7
77.5°	326.1	334.6	335.9	336.3	335.6	335.8	333.4	331.9	329.2	328.1	326.6
80°	275.6	288.2	289.3	288.5	286.5	286.1	283.9	282.4	279.1	278.1	276.8
82.5°	209.7	224.5	226.6	227.5	225.9	226.3	224.1	223.2	220.2	219.8	217.8
85°	132.4	147.2	149.6	149.3	147.6	147.3	146.0	146.5	146.2	147.0	147.5
87.5°	60.8	75.1	78.6	77.5	77.3	76.3	74.0	74.9	76.2	77.1	77.2
90°	35.7	41.9	43.5	42.3	39.8	38.3	35.9	34.8	32.6	31.4	29.2
92.5°	46.9	49.7	52.5	50.0	47.5	45.0	42.6	40.0	37.6	35.1	32.6
95°	58.6	62.6	66.6	63.4	60.0	56.7	53.4	50.1	46.8	43.5	40.2
97.5°	65.9	70.6	75.2	72.0	68.6	65.3	61.9	58.6	55.3	52.0	48.7
100°	114.4	125.1	136.0	126.6	117.2	107.8	98.3	88.9	79.5	70.1	60.7
102.5°	259.2	285.5	312.0	288.2	264.4	240.6	216.9	193.0	169.3	145.5	121.7
105°	467.6	507.5	547.5	511.1	474.8	438.6	402.3	366.0	329.6	293.4	257.1
107.5°	630.1	667.4	705.0	672.2	639.4	606.6	573.7	541.0	508.2	475.3	442.6
110°	710.7	740.1	769.9	747.8	725.8	703.8	681.7	659.7	637.7	615.8	593.7



TEST NUMBER: P1444724
 CATALOG NUMBER: EHBR1-18-UNV-TA-L935-UPL18

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	710.0	731.3	753.1	740.1	727.2	714.4	701.5	688.6	675.8	663.0	650.2
115°	648.8	661.3	674.3	669.1	664.1	658.9	653.8	648.8	643.7	638.6	633.7
117.5°	572.2	578.1	584.6	583.6	582.7	581.7	580.8	579.9	579.1	578.1	577.3
120°	492.0	493.1	494.9	495.6	496.3	496.9	497.7	498.3	499.0	499.7	500.6
122.5°	424.3	422.5	421.4	422.0	422.7	423.3	423.8	424.5	425.2	425.8	426.5
125°	375.8	372.7	370.4	369.5	368.7	367.8	367.0	366.0	365.3	364.4	363.7
127.5°	340.3	336.9	334.4	332.4	330.4	328.4	326.4	324.3	322.3	320.2	318.3
130°	315.3	312.0	309.9	307.2	304.8	302.2	299.6	297.1	294.5	291.9	289.4
132.5°	297.1	294.0	292.0	289.6	287.2	284.7	282.2	279.8	277.2	274.7	272.4
135°	285.0	282.3	280.8	278.5	276.3	274.1	271.8	269.5	267.4	265.0	262.8
137.5°	274.4	271.8	270.4	268.6	266.9	265.1	263.4	261.6	259.8	257.9	256.1
140°	265.3	262.5	261.0	260.0	259.1	258.0	257.0	256.0	255.0	254.0	253.0
142.5°	258.2	255.6	254.4	253.8	253.1	252.5	252.0	251.3	250.6	249.9	249.1
145°	251.0	248.0	246.6	246.5	246.6	246.5	246.4	246.4	246.3	246.2	246.2
147.5°	245.9	242.9	241.5	241.6	241.8	241.8	242.1	242.1	242.4	242.4	242.5
150°	240.2	236.8	235.3	235.6	235.8	236.2	236.4	236.7	237.0	237.3	237.5
152.5°	235.4	231.3	229.6	229.9	230.3	230.6	230.9	231.3	231.7	232.0	232.4
155°	231.2	226.9	225.0	225.0	225.2	225.4	225.5	225.8	225.9	226.1	226.5
157.5°	228.7	224.1	222.4	222.3	222.3	222.4	222.4	222.6	222.7	222.8	223.0
160°	226.9	222.5	220.8	220.7	220.7	220.7	220.7	220.8	220.9	221.0	221.1
162.5°	225.3	221.0	219.3	219.2	219.1	219.1	219.2	219.2	219.2	219.2	219.4
165°	224.0	220.3	218.8	218.8	219.0	219.0	219.1	219.2	219.3	219.5	219.8
167.5°	224.9	221.4	220.3	220.2	220.1	219.9	219.9	219.7	219.7	219.6	219.6
170°	224.3	221.5	220.6	220.6	220.7	220.7	220.7	220.8	220.8	220.9	221.0
172.5°	224.1	222.1	221.4	221.6	221.9	222.0	222.1	222.3	222.5	222.7	223.0
175°	224.4	223.2	223.0	222.9	223.0	223.0	223.1	223.3	223.4	223.5	223.8
177.5°	225.4	225.0	224.9	224.9	224.9	224.9	224.9	224.9	224.9	225.0	225.0
180°	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8



TEST NUMBER: P1444724
 CATALOG NUMBER: EHBR1-18-UNV-TA-L935-UPL18

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1
2.5°	14451.2	14468.1	14466.8	14482.5	14481.8	14496.6	14493.6	14506.4	14503.4	14514.4	14508.0
5°	14925.2	14957.3	14967.9	14996.8	15002.8	15028.7	15029.2	15049.8	15047.3	15063.4	15054.9
7.5°	15373.7	15403.6	15417.8	15440.3	15451.5	15470.1	15477.4	15492.7	15496.3	15505.4	15505.1
10°	15411.5	15411.4	15418.5	15415.3	15421.6	15417.9	15425.6	15422.8	15434.2	15431.3	15439.8
12.5°	14902.3	14851.7	14833.3	14787.9	14778.0	14739.1	14741.8	14716.9	14728.9	14713.5	14739.7
15°	13807.9	13690.7	13632.8	13530.9	13498.9	13418.3	13411.8	13358.3	13372.7	13344.7	13385.7
17.5°	12190.8	12006.2	11904.9	11756.1	11697.0	11583.1	11560.1	11491.3	11502.0	11467.2	11516.7
20°	10262.6	10039.6	9911.9	9739.7	9662.9	9527.1	9491.1	9414.0	9423.6	9389.1	9445.0
22.5°	8312.5	8079.0	7934.8	7754.4	7656.4	7528.6	7490.3	7412.9	7417.3	7384.9	7438.6
25°	6520.4	6296.6	6156.6	5992.7	5907.6	5790.5	5750.2	5680.8	5684.7	5657.9	5706.2
27.5°	5044.0	4860.4	4743.3	4605.9	4529.7	4433.3	4394.1	4335.6	4335.4	4315.8	4356.2
30°	3941.6	3788.4	3683.2	3563.6	3491.9	3405.1	3367.1	3314.8	3312.5	3298.6	3330.7
32.5°	3086.2	2949.9	2853.9	2748.7	2684.4	2609.9	2573.9	2531.8	2528.0	2515.4	2541.8
35°	2399.1	2284.3	2201.8	2113.2	2119.7	2009.8	2028.0	1942.5	1919.4	1914.3	1933.9
37.5°	1854.3	1765.3	1698.4	1631.9	1587.0	1540.5	1515.5	1493.0	1490.5	1488.3	1502.0
40°	1451.4	1389.1	1340.5	1294.9	1264.0	1235.6	1219.9	1207.6	1204.6	1203.0	1211.3
42.5°	1174.7	1132.6	1101.3	1073.5	1054.7	1039.3	1030.7	1023.8	1021.5	1021.5	1026.4
45°	992.4	967.0	946.8	929.4	917.5	922.7	907.2	915.3	904.6	915.7	908.3
47.5°	874.0	852.3	839.8	827.6	820.2	814.4	814.6	814.7	817.1	817.4	819.8
50°	782.6	770.0	761.3	753.5	749.7	746.6	747.7	748.5	750.7	750.9	752.6
52.5°	714.9	706.7	701.4	696.6	694.9	693.2	693.9	693.5	694.6	694.1	695.5
55°	659.9	656.0	654.4	652.6	652.8	652.3	652.6	650.9	649.8	648.5	649.7
57.5°	614.7	614.1	615.3	616.0	618.1	618.8	619.3	617.3	615.4	613.7	614.7
60°	579.9	580.8	583.5	585.8	588.8	590.1	590.9	589.7	588.4	586.9	587.8
62.5°	545.5	546.9	550.1	552.7	556.3	558.1	560.2	560.3	560.8	560.3	560.9
65°	505.7	507.4	510.4	512.4	515.8	517.4	519.5	519.9	521.0	520.8	521.8
67.5°	475.4	476.9	479.4	481.4	484.3	486.1	487.9	488.0	488.4	488.3	489.3
70°	443.1	443.8	446.1	447.7	450.7	452.4	454.6	455.2	456.5	456.8	457.8
72.5°	408.7	408.4	409.7	410.4	412.7	414.0	416.7	418.3	420.4	421.1	421.8
75°	371.1	370.9	372.4	373.0	374.9	376.4	379.4	381.4	384.8	386.3	385.8
77.5°	327.7	328.5	331.4	333.1	335.6	337.4	341.3	344.5	350.7	353.6	350.7
80°	279.1	280.0	283.0	284.6	287.9	290.0	294.5	298.1	303.8	305.1	303.4
82.5°	219.5	219.7	222.4	223.6	227.9	231.1	236.7	239.6	243.2	242.6	242.2
85°	149.6	151.6	155.2	158.6	163.9	169.0	174.3	178.6	175.6	180.4	174.9
87.5°	79.9	79.8	84.5	83.7	91.2	95.4	100.1	102.2	104.7	104.1	104.2
90°	28.3	26.8	26.6	24.9	25.0	23.4	23.8	22.2	22.9	21.1	23.8
92.5°	30.1	28.8	27.4	26.2	24.7	23.5	22.0	20.8	19.4	18.0	19.4
95°	36.9	35.6	34.4	33.1	31.8	30.6	29.4	28.1	26.9	25.6	27.2
97.5°	45.4	44.7	44.0	43.2	42.5	41.9	41.1	40.4	39.6	38.9	39.9
100°	51.3	51.3	51.3	51.3	51.2	51.2	51.2	51.2	51.2	51.2	52.0
102.5°	97.9	95.5	93.2	90.8	88.5	86.0	83.7	81.3	78.9	76.6	80.1
105°	220.9	211.6	202.2	193.0	183.6	174.4	165.0	155.8	146.5	137.2	146.8
107.5°	409.8	392.8	375.9	359.0	342.0	325.0	308.1	291.2	274.3	257.3	272.4
110°	571.8	553.8	535.8	517.9	499.8	481.8	463.9	445.9	428.0	410.0	424.4



TEST NUMBER: P1444724
 CATALOG NUMBER: EHBR1-18-UNV-TA-L935-UPL18

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	637.4	625.6	614.0	602.4	590.8	579.2	567.7	556.1	544.6	533.0	540.0
115°	628.6	623.1	617.5	612.0	606.5	600.9	595.4	589.9	584.4	579.0	579.4
117.5°	576.4	574.6	572.6	570.8	569.0	567.2	565.4	563.6	561.7	560.1	556.2
120°	501.4	501.8	502.4	503.0	503.6	504.2	504.7	505.5	506.2	506.9	501.7
122.5°	427.2	428.5	429.8	431.1	432.6	434.1	435.5	437.0	438.6	440.1	434.9
125°	362.8	364.1	365.3	366.7	368.0	369.4	370.9	372.4	373.9	375.5	371.1
127.5°	316.3	316.8	317.1	317.6	318.1	318.6	319.2	319.9	320.7	321.4	318.6
130°	286.9	286.3	285.8	285.2	284.8	284.5	284.1	283.8	283.6	283.4	282.1
132.5°	269.8	268.6	267.5	266.4	265.3	264.2	263.2	262.4	261.5	260.8	260.3
135°	260.6	258.9	257.4	255.8	254.2	252.9	251.4	250.1	249.0	247.7	248.0
137.5°	254.2	252.7	251.1	249.5	248.0	246.7	245.2	243.9	242.7	241.4	241.9
140°	252.0	250.2	248.7	247.2	245.7	244.3	243.0	241.7	240.4	239.3	239.5
142.5°	248.5	247.2	245.7	244.3	242.9	241.6	240.4	239.3	238.1	237.1	237.4
145°	246.1	245.1	244.0	242.9	242.0	241.0	240.0	239.2	238.4	237.7	237.9
147.5°	242.6	241.8	240.9	240.2	239.4	238.8	238.1	237.5	236.8	236.4	236.4
150°	237.8	237.4	236.8	236.4	235.8	235.4	235.0	234.6	234.2	233.9	233.8
152.5°	232.7	232.3	231.8	231.4	230.9	230.6	230.2	229.8	229.6	229.2	229.2
155°	226.7	226.5	226.2	226.0	225.9	225.8	225.6	225.6	225.4	225.3	225.4
157.5°	223.0	223.0	223.0	223.0	223.0	223.0	222.9	223.0	223.0	223.1	223.2
160°	221.3	221.2	221.1	221.0	221.0	220.9	220.8	220.7	220.7	220.7	220.9
162.5°	219.5	219.7	219.7	219.8	220.0	220.1	220.2	220.5	220.6	220.8	221.0
165°	220.0	219.9	219.9	219.7	219.8	219.8	219.8	219.9	219.9	220.0	220.2
167.5°	219.5	219.7	219.7	219.9	220.0	220.2	220.4	220.7	220.9	221.1	221.3
170°	221.0	221.0	221.0	221.0	221.0	221.1	221.1	221.1	221.2	221.3	221.5
172.5°	223.1	223.1	223.0	223.1	223.0	223.1	223.1	223.1	223.1	223.2	223.3
175°	223.7	224.0	224.0	224.2	224.3	224.4	224.5	224.7	224.8	224.9	224.9
177.5°	225.0	225.0	225.0	225.0	225.0	225.0	225.0	225.0	225.0	225.0	225.0
180°	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8



TEST NUMBER: P1444724
 CATALOG NUMBER: EHBR1-18-UNV-TA-L935-UPL18

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1
2.5°	14518.7	14511.4	14518.8	14511.3	14518.8	14509.8	14515.9	14506.2	14508.6	14498.5	14501.1
5°	15067.6	15056.0	15062.2	15047.1	15048.8	15028.7	15028.3	15004.9	14998.7	14972.1	14960.4
7.5°	15511.6	15507.7	15509.9	15500.2	15499.1	15485.4	15478.8	15459.5	15447.4	15422.8	15406.1
10°	15441.3	15452.6	15455.5	15467.1	15469.4	15480.9	15483.3	15494.7	15497.0	15505.6	15505.7
12.5°	14738.5	14776.9	14786.1	14833.5	14853.6	14907.8	14936.9	14996.8	15032.4	15092.0	15128.7
15°	13384.5	13451.0	13477.5	13570.2	13621.5	13729.7	13797.6	13921.8	14009.6	14141.5	14235.6
17.5°	11521.1	11614.0	11655.8	11781.6	11863.6	12023.3	12138.4	12327.8	12472.8	12683.4	12850.3
20°	9454.6	9557.9	9614.8	9758.2	9855.0	10041.5	10185.2	10418.1	10612.1	10878.9	11107.1
22.5°	7455.5	7553.7	7617.0	7762.8	7871.7	8066.3	8226.9	8472.7	8690.2	8990.9	9264.3
25°	5724.4	5814.5	5871.6	6003.5	6105.8	6284.7	6438.0	6674.3	6887.2	7188.7	7469.2
27.5°	4376.2	4451.6	4506.7	4619.2	4709.5	4861.1	4992.9	5188.2	5371.5	5632.5	5882.2
30°	3350.3	3417.2	3470.8	3568.8	3652.4	3783.9	3899.8	4063.8	4215.6	4423.2	4621.8
32.5°	2560.3	2617.8	2665.5	2751.3	2827.2	2945.6	3050.0	3193.7	3324.1	3500.1	3663.6
35°	1952.1	2065.3	2057.3	2175.6	2194.7	2279.6	2372.7	2498.5	2613.9	2763.5	2902.6
37.5°	1515.1	1547.0	1581.1	1633.4	1688.3	1765.6	1844.3	1997.9	2054.3	2167.4	2282.6
40°	1221.8	1243.3	1265.9	1301.2	1339.6	1394.1	1451.4	1524.7	1599.8	1691.6	1785.2
42.5°	1032.9	1045.1	1059.4	1080.3	1103.9	1138.4	1176.8	1226.4	1278.7	1343.3	1409.2
45°	922.9	917.1	921.4	932.5	946.8	967.8	992.0	1022.7	1056.8	1098.6	1143.1
47.5°	820.2	822.6	823.9	829.9	837.5	851.7	866.4	887.2	927.5	939.9	964.2
50°	752.5	753.6	753.3	756.3	760.2	769.4	778.9	793.0	807.1	825.8	843.7
52.5°	695.7	697.3	697.1	699.1	701.1	706.9	712.9	723.0	732.2	744.1	754.3
55°	650.8	653.0	653.8	655.5	656.5	659.6	662.0	666.8	670.7	677.5	683.6
57.5°	616.3	619.3	620.7	621.3	620.1	619.9	619.1	620.1	620.9	624.6	628.0
60°	589.2	591.6	591.9	591.6	589.4	587.8	585.2	584.4	583.9	585.8	587.7
62.5°	560.7	561.7	561.0	560.3	557.8	556.2	553.6	552.6	551.7	553.0	553.9
65°	521.4	522.1	521.4	521.0	518.7	517.5	515.2	514.5	513.3	513.5	513.3
67.5°	489.5	490.2	489.7	489.1	487.5	486.7	485.1	484.0	482.4	481.9	480.8
70°	457.7	458.2	457.3	456.8	455.0	454.3	452.7	452.4	451.2	450.9	449.7
72.5°	421.1	421.1	419.8	419.4	418.1	418.1	417.5	418.0	418.0	418.6	418.4
75°	383.6	383.0	381.5	381.2	380.2	380.7	379.9	380.8	381.0	382.4	382.6
77.5°	346.0	344.1	341.1	339.6	337.6	337.3	336.2	337.0	336.7	338.3	339.0
80°	298.6	296.3	292.4	290.6	288.1	287.8	286.7	287.8	287.2	289.1	290.4
82.5°	238.5	236.4	232.4	230.8	228.1	228.4	227.2	228.4	228.2	230.9	232.6
85°	176.4	175.0	170.8	167.2	163.1	160.7	158.3	158.0	157.2	158.3	159.3
87.5°	101.9	100.6	97.3	95.3	88.1	88.4	85.6	85.4	84.7	84.1	85.6
90°	23.9	26.3	26.5	28.7	29.1	31.5	32.2	34.5	34.9	37.4	38.1
92.5°	20.8	22.0	23.4	24.7	26.1	27.4	28.7	30.1	33.0	35.8	38.8
95°	28.7	30.3	31.8	33.4	35.0	36.5	38.1	39.6	43.9	48.0	52.3
97.5°	41.1	42.0	43.0	44.0	45.0	46.0	47.1	48.1	52.7	57.3	61.8
100°	52.8	53.7	54.5	55.4	56.2	57.0	57.8	58.6	67.5	76.3	85.0
102.5°	83.6	87.1	90.6	94.1	97.6	101.1	104.6	108.1	128.3	148.5	168.6
105°	156.4	166.0	175.6	185.2	194.8	204.4	214.1	223.7	255.9	288.1	320.4
107.5°	287.7	302.8	318.0	333.3	348.5	363.6	378.8	394.1	425.4	457.0	488.3
110°	438.9	453.3	467.8	482.3	496.8	511.3	525.9	540.4	559.2	578.1	597.0



TEST NUMBER: P1444724
 CATALOG NUMBER: EHBR1-18-UNV-TA-L935-UPL18

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	547.1	554.0	561.2	568.2	575.3	582.4	589.6	596.6	606.1	615.5	624.9
115°	579.9	580.3	580.8	581.2	581.7	582.2	582.8	583.4	586.4	589.4	592.3
117.5°	552.3	548.4	544.6	540.7	536.9	533.2	529.4	525.8	525.1	524.5	524.0
120°	496.6	491.4	486.2	481.0	476.0	470.8	465.9	460.9	458.3	455.7	453.2
122.5°	429.8	424.6	419.4	414.3	409.3	404.2	399.3	394.4	392.6	390.8	389.0
125°	366.7	362.4	358.2	354.0	349.9	345.8	341.7	337.6	337.5	337.3	337.4
127.5°	316.0	313.4	310.8	308.3	305.9	303.4	301.1	298.6	299.8	301.0	302.0
130°	281.0	280.0	278.9	277.7	276.9	276.0	275.0	274.1	276.2	278.0	280.1
132.5°	260.2	260.0	259.9	259.8	259.8	259.8	260.0	259.9	262.2	264.6	266.7
135°	248.2	248.5	249.0	249.5	250.1	250.5	251.1	251.7	253.9	255.9	258.2
137.5°	242.4	243.0	243.6	244.3	245.1	245.7	246.6	247.3	249.1	250.7	252.4
140°	240.0	240.4	240.9	241.4	242.0	242.6	243.3	243.9	245.3	246.7	248.1
142.5°	237.9	238.2	238.6	239.3	239.8	240.4	241.0	241.5	242.5	243.5	244.6
145°	238.2	238.5	238.8	239.3	239.6	240.1	240.5	240.9	241.5	242.2	242.9
147.5°	236.6	236.7	237.0	237.3	237.6	237.9	238.1	238.4	238.8	239.2	239.7
150°	233.9	234.0	234.2	234.1	234.4	234.6	234.7	234.9	235.3	235.6	235.9
152.5°	229.4	229.4	229.5	229.5	229.7	229.8	229.8	230.0	230.4	230.7	231.0
155°	225.6	225.8	225.9	226.1	226.4	226.5	226.8	226.9	227.2	227.4	227.7
157.5°	223.4	223.5	223.8	224.0	224.1	224.3	224.6	224.7	225.0	225.1	225.3
160°	221.1	221.5	221.7	222.1	222.4	222.7	223.0	223.3	223.5	223.7	223.9
162.5°	221.1	221.3	221.6	221.8	222.0	222.1	222.3	222.5	222.9	223.0	223.4
165°	220.5	220.9	221.2	221.4	221.8	222.2	222.4	222.8	222.9	223.1	223.3
167.5°	221.7	221.9	222.2	222.6	222.9	223.1	223.4	223.7	223.9	224.0	224.2
170°	221.8	222.1	222.2	222.6	222.9	223.0	223.3	223.6	223.9	224.0	224.3
172.5°	223.5	223.7	223.9	224.1	224.3	224.6	224.8	225.0	225.2	225.4	225.6
175°	224.9	224.9	225.0	225.0	225.0	225.0	225.1	225.2	225.2	225.3	225.3
177.5°	225.1	225.3	225.4	225.5	225.6	225.8	225.9	225.9	225.9	225.9	225.9
180°	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8



TEST NUMBER: P1444724
 CATALOG NUMBER: EHBR1-18-UNV-TA-L935-UPL18

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1
2.5°	14490.9	14491.6	14479.9	14479.2	14468.3	14466.9	14456.2	14453.0	14444.3	14441.2	14432.4
5°	14930.6	14916.4	14883.5	14864.1	14831.6	14810.1	14774.9	14752.0	14718.0	14692.3	14658.2
7.5°	15375.2	15353.1	15316.1	15286.2	15241.2	15205.1	15152.4	15109.1	15052.0	15002.5	14942.4
10°	15505.7	15502.2	15492.8	15479.1	15458.2	15434.5	15398.6	15361.1	15311.1	15256.6	15189.9
12.5°	15184.7	15219.4	15266.7	15294.7	15328.7	15343.7	15357.7	15354.1	15345.0	15317.4	15278.8
15°	14371.9	14469.3	14598.2	14698.1	14813.0	14896.6	14988.9	15046.4	15103.7	15130.2	15146.4
17.5°	13079.0	13263.3	13494.4	13686.0	13907.1	14084.6	14279.2	14425.8	14576.4	14684.3	14782.0
20°	11418.0	11685.1	12012.1	12301.0	12636.8	12928.6	13248.4	13511.0	13781.8	13993.5	14193.9
22.5°	9616.6	9933.8	10329.1	10695.2	11128.2	11517.3	11956.3	12338.4	12737.4	13070.6	13392.9
25°	7845.1	8193.0	8625.2	9033.7	9524.1	9976.7	10497.3	10973.6	11489.2	11936.8	12379.1
27.5°	6227.5	6569.1	7010.3	7445.2	7963.7	8446.0	9003.8	9528.5	10115.6	10657.0	11210.8
30°	4898.0	5187.6	5583.3	6004.5	6516.0	7006.7	7570.6	8110.2	8721.0	9312.2	9936.0
32.5°	3880.5	4101.2	4412.3	4768.5	5240.3	5707.4	6244.4	6765.3	7366.8	7963.9	8612.8
35°	3081.9	3254.0	3491.2	3769.1	4168.7	4571.3	5046.3	5520.0	6081.2	6647.8	7278.5
37.5°	2430.2	2569.9	2755.6	2964.4	3284.9	3615.4	4004.8	4397.5	4885.1	5387.4	5959.0
40°	1897.8	2010.8	2155.4	2311.1	2553.1	2807.8	3109.0	3413.5	3805.2	4215.8	4688.8
42.5°	1490.8	1574.2	1676.3	1790.2	2015.9	2151.2	2355.4	2575.7	2863.6	3161.6	3517.3
45°	1197.3	1254.2	1325.0	1401.3	1506.1	1620.8	1760.6	1907.4	2180.9	2315.1	2531.4
47.5°	999.9	1038.0	1083.1	1131.2	1193.0	1259.7	1342.6	1427.5	1537.1	1650.8	1784.1
50°	866.9	905.7	921.2	946.1	981.8	1020.0	1066.7	1113.5	1172.3	1232.0	1300.6
52.5°	768.2	780.8	797.7	813.5	835.6	879.0	893.1	917.5	950.5	982.7	1018.8
55°	692.8	701.0	712.0	721.5	734.9	747.8	766.3	782.5	804.5	823.9	847.9
57.5°	634.2	639.4	647.0	653.3	662.0	669.1	680.0	688.8	701.5	712.5	727.0
60°	591.6	595.0	600.2	604.2	609.8	613.5	618.9	623.0	629.7	635.3	643.4
62.5°	556.8	558.6	561.8	564.3	567.8	569.7	572.5	574.3	578.1	580.9	585.4
65°	515.0	515.3	517.6	518.6	521.4	522.4	524.8	525.6	528.6	530.7	534.6
67.5°	480.7	479.8	479.8	479.0	479.4	478.6	478.8	478.0	479.2	479.8	482.9
70°	449.4	448.2	447.7	446.3	445.8	444.4	443.9	442.7	442.5	442.0	443.1
72.5°	419.0	418.6	418.7	417.7	417.6	416.6	416.7	416.1	416.7	417.1	418.5
75°	384.0	384.1	384.8	383.9	384.2	383.3	383.6	382.8	383.3	383.1	384.5
77.5°	341.4	342.4	344.2	343.9	344.5	343.5	344.0	342.9	343.1	342.4	343.0
80°	293.5	295.6	298.1	298.0	299.0	298.4	299.3	298.3	298.6	297.4	297.1
82.5°	236.6	238.4	241.0	241.1	243.4	243.9	246.4	246.3	248.0	247.0	246.2
85°	161.7	163.0	165.3	166.6	168.9	170.4	172.9	173.9	172.1	175.5	172.8
87.5°	84.5	87.6	85.8	89.9	89.0	93.1	92.2	96.1	95.3	98.6	98.2
90°	41.1	42.1	45.3	46.3	50.1	51.5	52.5	50.8	51.7	50.0	50.8
92.5°	41.6	44.5	47.4	50.3	53.2	56.2	53.4	50.8	48.0	45.5	42.7
95°	56.6	60.7	65.0	69.2	73.4	77.7	73.1	68.7	64.2	59.6	55.0
97.5°	66.3	71.0	75.5	80.0	84.6	89.1	83.7	78.4	73.0	67.7	62.4
100°	93.8	102.6	111.4	120.1	129.0	137.8	127.9	117.8	107.9	97.8	87.8
102.5°	188.8	209.0	229.2	249.3	269.5	289.7	268.4	247.2	225.9	204.7	183.5
105°	352.7	385.0	417.2	449.4	481.7	514.1	479.7	445.2	410.8	376.5	342.0
107.5°	519.8	551.3	582.9	614.2	645.7	677.2	642.3	607.4	572.6	537.6	502.7
110°	615.9	634.8	653.7	672.7	691.6	710.6	685.1	659.6	634.2	608.6	583.1



TEST NUMBER: P1444724
 CATALOG NUMBER: EHBR1-18-UNV-TA-L935-UPL18

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	634.3	643.9	653.3	662.8	672.3	681.8	663.5	645.5	627.2	609.0	590.7
115°	595.4	598.4	601.4	604.4	607.5	610.5	598.3	585.9	573.7	561.5	549.1
117.5°	523.5	523.0	522.3	522.0	521.3	520.9	514.0	507.2	500.2	493.3	486.4
120°	450.6	448.2	445.6	443.1	440.6	437.9	435.1	432.1	429.2	426.3	423.3
122.5°	387.3	385.6	383.8	382.1	380.2	378.4	377.3	376.2	375.0	373.9	372.8
125°	337.3	337.2	337.1	337.1	336.9	336.8	336.2	335.7	335.0	334.4	333.8
127.5°	303.1	304.3	305.3	306.3	307.3	308.4	308.2	308.2	308.0	307.8	307.7
130°	281.9	283.9	285.8	287.6	289.4	291.4	291.0	290.7	290.4	290.0	289.7
132.5°	269.0	271.3	273.4	275.7	277.9	280.0	279.6	279.2	278.7	278.3	277.8
135°	260.3	262.4	264.4	266.6	268.6	270.6	270.1	269.6	269.0	268.5	268.0
137.5°	254.1	255.8	257.4	259.1	260.7	262.3	261.7	261.3	260.6	260.1	259.6
140°	249.3	250.8	252.0	253.3	254.6	255.9	255.2	254.5	253.9	253.1	252.4
142.5°	245.5	246.5	247.4	248.4	249.3	250.3	249.2	248.4	247.5	246.5	245.6
145°	243.5	244.2	244.8	245.4	245.9	246.5	245.4	244.3	243.2	242.2	241.1
147.5°	240.1	240.4	240.7	241.3	241.4	241.8	240.7	239.7	238.7	237.6	236.6
150°	236.2	236.7	236.9	237.3	237.5	237.8	236.7	235.6	234.6	233.4	232.4
152.5°	231.3	231.7	231.9	232.2	232.5	232.7	231.6	230.8	229.6	228.6	227.5
155°	227.8	228.0	228.1	228.4	228.4	228.6	227.7	226.9	225.9	225.1	224.2
157.5°	225.5	225.7	225.9	225.9	226.1	226.2	225.6	225.0	224.2	223.6	222.9
160°	224.0	224.1	224.3	224.4	224.6	224.7	224.0	223.6	223.0	222.4	221.9
162.5°	223.7	224.0	224.2	224.4	224.7	224.9	224.2	223.6	223.0	222.2	221.6
165°	223.4	223.6	223.8	224.0	224.0	224.1	223.6	223.2	222.8	222.3	221.8
167.5°	224.3	224.5	224.6	224.8	224.9	225.0	224.4	224.1	223.6	223.1	222.7
170°	224.5	224.8	225.0	225.2	225.4	225.5	225.1	224.9	224.4	224.1	223.7
172.5°	225.8	226.0	226.1	226.3	226.4	226.7	226.2	225.9	225.5	225.1	224.7
175°	225.3	225.4	225.5	225.5	225.5	225.6	225.3	225.0	224.7	224.3	224.0
177.5°	225.9	225.9	225.9	225.9	225.9	225.9	225.8	225.5	225.3	225.1	224.8
180°	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8



TEST NUMBER: P1444724
 CATALOG NUMBER: EHBR1-18-UNV-TA-L935-UPL18

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1	14339.1
2.5°	14429.2	14423.0	14419.0	14413.8	14410.6	14406.6	14403.7	14401.2	14399.2	14397.3	14396.0
5°	14632.1	14599.9	14574.9	14547.8	14525.5	14503.3	14486.1	14472.0	14462.2	14454.9	14450.5
7.5°	14890.4	14831.4	14778.9	14723.7	14674.1	14625.3	14583.4	14547.2	14520.0	14502.4	14491.7
10°	15121.2	15042.2	14963.9	14881.7	14803.7	14728.0	14658.2	14596.7	14548.1	14515.8	14496.9
12.5°	15224.6	15157.3	15077.4	14988.1	14892.4	14795.7	14701.5	14616.5	14545.1	14497.2	14469.5
15°	15133.5	15105.9	15051.7	14982.3	14891.6	14791.7	14680.9	14576.9	14481.1	14419.1	14383.1
17.5°	14837.2	14875.8	14871.7	14845.1	14780.0	14695.8	14582.9	14466.1	14346.4	14263.4	14218.0
20°	14337.2	14458.5	14520.0	14551.7	14526.0	14471.4	14369.3	14250.7	14111.1	14002.8	13936.7
22.5°	13634.6	13848.8	13982.2	14079.8	14100.6	14081.9	13991.7	13879.0	13723.4	13593.2	13495.6
25°	12730.1	13043.9	13254.7	13420.0	13484.3	13500.9	13424.1	13311.9	13138.5	12986.9	12852.7
27.5°	11664.8	12072.4	12354.0	12576.1	12676.4	12719.9	12649.2	12534.7	12329.6	12148.5	11973.4
30°	10465.5	10949.0	11288.1	11554.3	11676.6	11734.1	11659.0	11531.2	11292.6	11074.6	10854.0
32.5°	9181.7	9711.0	10080.3	10369.6	10490.7	10544.7	10446.5	10303.1	10027.2	9770.5	9513.2
35°	7837.7	8371.9	8744.4	9026.0	9127.4	9160.0	9034.5	8868.6	8562.9	8281.2	8000.6
37.5°	6466.3	6963.2	7301.8	7554.5	7617.3	7623.0	7471.7	7288.5	6967.2	6689.4	6410.1
40°	5106.7	5525.8	5799.1	6001.4	6023.3	6003.8	5839.4	5655.0	5354.4	5105.5	4860.4
42.5°	3826.1	4142.5	4337.5	4476.1	4467.8	4429.4	4278.7	4120.2	3872.2	3682.7	3489.7
45°	2729.0	2937.6	3051.6	3132.7	3106.6	3070.0	2952.7	2841.6	2673.1	2550.7	2421.0
47.5°	1895.9	2144.9	2101.6	2260.1	2123.5	2213.8	2025.8	1922.2	1832.9	1767.8	1694.5
50°	1357.2	1414.3	1441.9	1460.7	1450.8	1436.9	1403.1	1372.9	1332.0	1302.3	1267.6
52.5°	1048.2	1076.7	1092.3	1103.6	1101.5	1096.4	1081.7	1068.2	1049.1	1036.5	1021.3
55°	887.8	888.3	917.0	904.7	922.9	901.5	910.0	886.3	890.1	869.8	856.2
57.5°	737.8	749.4	754.7	759.9	758.4	757.5	751.8	748.9	742.5	740.6	735.9
60°	649.0	655.1	656.4	658.7	656.7	656.0	651.6	649.9	645.7	644.9	641.8
62.5°	588.1	591.2	591.2	591.2	588.7	586.2	581.2	578.7	575.0	574.3	572.4
65°	537.3	540.5	541.1	541.7	539.9	538.0	533.6	530.7	527.0	525.6	523.6
67.5°	484.8	488.2	489.4	491.2	490.1	489.8	486.8	485.7	483.2	482.6	480.7
70°	443.6	445.1	445.0	444.9	442.6	440.5	437.0	435.4	432.8	432.2	430.6
72.5°	419.2	420.2	419.5	418.6	415.6	412.5	408.5	405.5	402.0	400.0	397.5
75°	384.6	386.0	385.1	384.6	381.8	379.8	376.6	374.9	372.5	371.9	370.2
77.5°	342.3	343.0	341.5	341.4	339.3	338.1	335.6	335.2	333.4	333.4	331.9
80°	295.2	294.7	292.6	292.1	290.0	289.5	287.6	287.8	286.3	286.9	285.8
82.5°	242.9	241.5	238.6	237.7	235.4	235.2	233.9	234.9	234.1	235.4	234.6
85°	174.0	174.4	173.1	173.1	172.5	172.7	172.6	173.4	173.5	174.6	174.6
87.5°	97.1	98.4	98.2	99.4	99.3	100.8	101.3	103.4	103.7	105.7	105.7
90°	49.2	50.2	48.6	49.8	49.0	50.8	50.4	52.1	51.5	52.8	51.8
92.5°	40.1	37.3	34.8	32.0	30.6	29.2	28.1	26.6	25.3	23.8	22.6
95°	50.5	46.0	41.4	36.9	35.3	33.7	32.2	30.6	29.0	27.5	25.9
97.5°	57.0	51.6	46.2	40.9	39.5	38.2	36.8	35.4	34.1	32.7	31.4
100°	77.8	67.8	57.8	47.8	46.6	45.5	44.3	43.2	42.1	41.0	39.8
102.5°	162.3	141.0	119.8	98.5	94.5	90.5	86.5	82.4	78.3	74.3	70.3
105°	307.6	273.2	238.6	204.2	193.2	182.3	171.4	160.4	149.5	138.5	127.6
107.5°	467.8	432.8	397.9	362.9	342.8	322.6	302.3	282.0	261.8	241.5	221.2
110°	557.7	532.1	506.5	481.0	464.8	448.5	432.1	415.8	399.7	383.3	367.0



TEST NUMBER: P1444724
 CATALOG NUMBER: EHBR1-18-UNV-TA-L935-UPL18

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	572.5	554.2	536.0	517.6	510.3	502.8	495.5	488.1	480.7	473.2	465.9
115°	536.7	524.5	512.1	499.6	497.0	494.5	491.9	489.1	486.6	483.9	481.2
117.5°	479.5	472.6	465.6	458.6	459.0	459.5	459.9	460.3	460.6	461.0	461.3
120°	420.3	417.4	414.4	411.3	413.6	415.8	418.0	420.2	422.3	424.4	426.5
122.5°	371.6	370.3	369.2	368.0	370.7	373.4	376.0	378.7	381.3	383.7	386.2
125°	333.3	332.5	332.0	331.3	334.1	336.8	339.4	342.0	344.7	347.1	349.7
127.5°	307.5	307.2	307.2	306.9	308.9	310.7	312.7	314.4	316.3	317.9	319.7
130°	289.3	288.8	288.6	288.2	289.9	291.7	293.5	295.0	296.6	298.1	299.6
132.5°	277.4	276.9	276.5	276.1	277.3	278.6	279.8	280.8	282.0	283.0	283.9
135°	267.5	266.8	266.4	265.7	267.0	268.1	269.2	270.2	271.3	272.1	273.0
137.5°	259.1	258.4	257.9	257.3	258.4	259.4	260.4	261.2	262.1	262.9	263.7
140°	251.7	251.0	250.3	249.6	250.5	251.4	252.3	253.1	253.9	254.5	255.2
142.5°	244.6	243.6	242.9	241.8	242.5	243.1	243.7	244.3	244.9	245.3	245.8
145°	240.0	238.8	237.7	236.6	237.1	237.6	238.1	238.6	238.9	239.3	239.6
147.5°	235.6	234.4	233.4	232.3	232.7	233.0	233.4	233.7	234.0	234.2	234.5
150°	231.2	230.0	228.9	227.8	228.0	228.3	228.7	228.9	229.1	229.3	229.6
152.5°	226.5	225.3	224.3	223.1	223.3	223.6	223.8	224.0	224.2	224.3	224.5
155°	223.4	222.4	221.5	220.5	220.8	220.9	221.1	221.2	221.3	221.4	221.5
157.5°	222.1	221.3	220.7	219.9	219.9	220.0	220.0	219.9	220.0	220.0	219.9
160°	221.2	220.6	220.0	219.2	219.2	219.2	219.3	219.2	219.2	219.1	219.2
162.5°	220.9	220.1	219.4	218.6	218.6	218.6	218.6	218.5	218.6	218.4	218.3
165°	221.2	220.8	220.2	219.6	219.5	219.4	219.3	219.2	219.1	218.8	218.7
167.5°	222.1	221.6	221.1	220.4	220.4	220.5	220.5	220.4	220.5	220.3	220.3
170°	223.3	222.8	222.4	221.9	221.8	221.8	221.6	221.5	221.4	221.2	221.1
172.5°	224.2	223.8	223.4	222.8	222.8	222.8	222.7	222.6	222.4	222.3	222.3
175°	223.6	223.3	222.9	222.6	222.5	222.5	222.4	222.4	222.3	222.2	222.1
177.5°	224.6	224.4	224.0	223.9	223.9	223.9	223.8	223.7	223.7	223.7	223.6
180°	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8



TEST NUMBER: P1444724
 CATALOG NUMBER: EHBR1-18-UNV-TA-L935-UPL18

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	14339.1	14339.1
2.5°	14394.7	14394.0
5°	14448.2	14447.3
7.5°	14488.9	14488.7
10°	14493.7	14496.2
12.5°	14464.8	14466.8
15°	14380.4	14384.3
17.5°	14218.9	14224.0
20°	13940.8	13946.1
22.5°	13490.3	13492.5
25°	12835.4	12826.1
27.5°	11942.6	11926.7
30°	10807.7	10792.2
32.5°	9454.5	9444.9
35°	7931.3	7925.1
37.5°	6327.6	6315.1
40°	4770.7	4734.5
42.5°	3405.3	3341.6
45°	2353.3	2277.9
47.5°	1642.8	1596.2
50°	1245.2	1230.2
52.5°	1014.6	1011.1
55°	856.1	854.6
57.5°	737.0	736.5
60°	643.4	643.2
62.5°	573.6	573.9
65°	524.5	524.6
67.5°	481.2	480.9
70°	431.2	430.9
72.5°	396.8	396.2
75°	370.2	369.8
77.5°	332.4	331.8
80°	286.6	285.8
82.5°	235.6	234.8
85°	175.8	175.8
87.5°	107.6	107.5
90°	53.1	51.8
92.5°	21.3	20.0
95°	24.4	22.8
97.5°	30.1	28.7
100°	38.7	37.5
102.5°	66.3	62.3
105°	116.6	105.7
107.5°	201.0	180.8
110°	350.7	334.3



TEST NUMBER: P1444724
CATALOG NUMBER: EHBR1-18-UNV-TA-L935-UPL18

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	458.3	450.9
115°	478.5	475.7
117.5°	461.6	461.9
120°	428.4	430.5
122.5°	388.6	391.1
125°	352.1	354.5
127.5°	321.2	322.7
130°	300.8	302.3
132.5°	284.8	285.5
135°	273.6	274.3
137.5°	264.3	264.8
140°	255.7	256.2
142.5°	246.1	246.4
145°	239.9	240.1
147.5°	234.4	234.6
150°	229.6	229.7
152.5°	224.5	224.6
155°	221.5	221.5
157.5°	219.7	219.6
160°	219.0	218.9
162.5°	218.2	218.2
165°	218.4	218.2
167.5°	220.1	220.1
170°	221.0	220.9
172.5°	222.1	222.1
175°	222.1	222.1
177.5°	223.6	223.5
180°	224.8	224.8

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



LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-6

Test Date: 08/01/2025

Luminaire Tested: EHBR-60-L935-N

Data in this report applies to families of products including EHBR-60-L935-N

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-6
 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-L935-N**
 Description: Elevate Round Highbay at, 60000 lumens, 3500K 90CRI LEDs with N lens

Spectral Parameters

CCT (K): 3406
 CIE u': 0.2394
 CIE v': 0.5094
 Duv: -0.0028
 CIE x: 0.4076
 CIE y: 0.3856
 CIE z: 0.2068
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 582
 Purity: 38.0517
 Rf: 91.3
 Rg: 100

CRI (Ra):	94.6		
R1:	96.6	R9:	63.8
R2:	98.4	R10:	94.7
R3:	98.1	R11:	96.6
R4:	95.8	R12:	80.9
R5:	96.2	R13:	97.4
R6:	95.4	R14:	98.3
R7:	91.8	R15:	93.1
R8:	84.4		



Test Conditions

Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-6

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: SP1-2506-472-6

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: SP1-2506-472-6

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	140	NR	620	338	NR	750	8	NR	880	0	NR
365	0	NR	495	159	NR	625	339	NR	755	7	NR	885	0	NR
370	0	NR	500	182	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	202	NR	635	653	NR	765	5	NR	895	0	NR
380	0	NR	510	216	NR	640	222	NR	770	4	NR	900	0	NR
385	0	NR	515	228	NR	645	214	NR	775	3	NR	905	0	NR
390	0	NR	520	236	NR	650	185	NR	780	3	NR	910	0	NR
395	1	NR	525	242	NR	655	157	NR	785	3	NR	915	0	NR
400	2	NR	530	248	NR	660	133	NR	790	2	NR	920	0	NR
405	3	NR	535	253	NR	665	113	NR	795	2	NR	925	0	NR
410	4	NR	540	258	NR	670	103	NR	800	2	NR	930	0	NR
415	7	NR	545	264	NR	675	85	NR	805	1	NR	935	0	NR
420	13	NR	550	270	NR	680	72	NR	810	1	NR	940	0	NR
425	22	NR	555	278	NR	685	62	NR	815	1	NR	945	0	NR
430	38	NR	560	286	NR	690	53	NR	820	1	NR	950	0	NR
435	65	NR	565	295	NR	695	45	NR	825	1	NR	955	0	NR
440	108	NR	570	303	NR	700	39	NR	830	1	NR	960	0	NR
445	193	NR	575	311	NR	705	33	NR	835	1	NR	965	0	NR
450	312	NR	580	319	NR	710	28	NR	840	1	NR	970	0	NR
455	300	NR	585	326	NR	715	24	NR	845	0	NR	975	0	NR
460	214	NR	590	332	NR	720	20	NR	850	0	NR	980	0	NR
465	184	NR	595	333	NR	725	17	NR	855	0	NR	985	0	NR
470	153	NR	600	336	NR	730	15	NR	860	0	NR	990	0	NR
475	122	NR	605	337	NR	735	12	NR	865	0	NR	995	0	NR
480	115	NR	610	367	NR	740	10	NR	870	0	NR	1000	0	NR
485	125	NR	615	390	NR	745	9	NR	875	0	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.62

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	140	NR	620	338	NR	750	8	NR	880	0	NR
365	0	NR	495	159	NR	625	339	NR	755	7	NR	885	0	NR
370	0	NR	500	182	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	202	NR	635	653	NR	765	5	NR	895	0	NR
380	0	NR	510	216	NR	640	222	NR	770	4	NR	900	0	NR
385	0	NR	515	228	NR	645	214	NR	775	3	NR	905	0	NR
390	0	NR	520	236	NR	650	185	NR	780	3	NR	910	0	NR
395	1	NR	525	242	NR	655	157	NR	785	3	NR	915	0	NR
400	2	NR	530	248	NR	660	133	NR	790	2	NR	920	0	NR
405	3	NR	535	253	NR	665	113	NR	795	2	NR	925	0	NR
410	4	NR	540	258	NR	670	103	NR	800	2	NR	930	0	NR
415	7	NR	545	264	NR	675	85	NR	805	1	NR	935	0	NR
420	13	NR	550	270	NR	680	72	NR	810	1	NR	940	0	NR
425	22	NR	555	278	NR	685	62	NR	815	1	NR	945	0	NR
430	38	NR	560	286	NR	690	53	NR	820	1	NR	950	0	NR
435	65	NR	565	295	NR	695	45	NR	825	1	NR	955	0	NR
440	108	NR	570	303	NR	700	39	NR	830	1	NR	960	0	NR
445	193	NR	575	311	NR	705	33	NR	835	1	NR	965	0	NR
450	312	NR	580	319	NR	710	28	NR	840	1	NR	970	0	NR
455	300	NR	585	326	NR	715	24	NR	845	0	NR	975	0	NR
460	214	NR	590	332	NR	720	20	NR	850	0	NR	980	0	NR
465	184	NR	595	333	NR	725	17	NR	855	0	NR	985	0	NR
470	153	NR	600	336	NR	730	15	NR	860	0	NR	990	0	NR
475	122	NR	605	337	NR	735	12	NR	865	0	NR	995	0	NR
480	115	NR	610	367	NR	740	10	NR	870	0	NR	1000	0	NR
485	125	NR	615	390	NR	745	9	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-6

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR M/P: 3.3

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	140	NR	620	338	NR	750	8	NR	880	0	NR
365	0	NR	495	159	NR	625	339	NR	755	7	NR	885	0	NR
370	0	NR	500	182	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	202	NR	635	653	NR	765	5	NR	895	0	NR
380	0	NR	510	216	NR	640	222	NR	770	4	NR	900	0	NR
385	0	NR	515	228	NR	645	214	NR	775	3	NR	905	0	NR
390	0	NR	520	236	NR	650	185	NR	780	3	NR	910	0	NR
395	1	NR	525	242	NR	655	157	NR	785	3	NR	915	0	NR
400	2	NR	530	248	NR	660	133	NR	790	2	NR	920	0	NR
405	3	NR	535	253	NR	665	113	NR	795	2	NR	925	0	NR
410	4	NR	540	258	NR	670	103	NR	800	2	NR	930	0	NR
415	7	NR	545	264	NR	675	85	NR	805	1	NR	935	0	NR
420	13	NR	550	270	NR	680	72	NR	810	1	NR	940	0	NR
425	22	NR	555	278	NR	685	62	NR	815	1	NR	945	0	NR
430	38	NR	560	286	NR	690	53	NR	820	1	NR	950	0	NR
435	65	NR	565	295	NR	695	45	NR	825	1	NR	955	0	NR
440	108	NR	570	303	NR	700	39	NR	830	1	NR	960	0	NR
445	193	NR	575	311	NR	705	33	NR	835	1	NR	965	0	NR
450	312	NR	580	319	NR	710	28	NR	840	1	NR	970	0	NR
455	300	NR	585	326	NR	715	24	NR	845	0	NR	975	0	NR
460	214	NR	590	332	NR	720	20	NR	850	0	NR	980	0	NR
465	184	NR	595	333	NR	725	17	NR	855	0	NR	985	0	NR
470	153	NR	600	336	NR	730	15	NR	860	0	NR	990	0	NR
475	122	NR	605	337	NR	735	12	NR	865	0	NR	995	0	NR
480	115	NR	610	367	NR	740	10	NR	870	0	NR	1000	0	NR
485	125	NR	615	390	NR	745	9	NR	875	0	NR			

Summary

$R_f = 91.3$
 $R_g = 100$
 $CIE R_a = 94.6$
 $R_9 = 63.8$



Color Vector Graphics

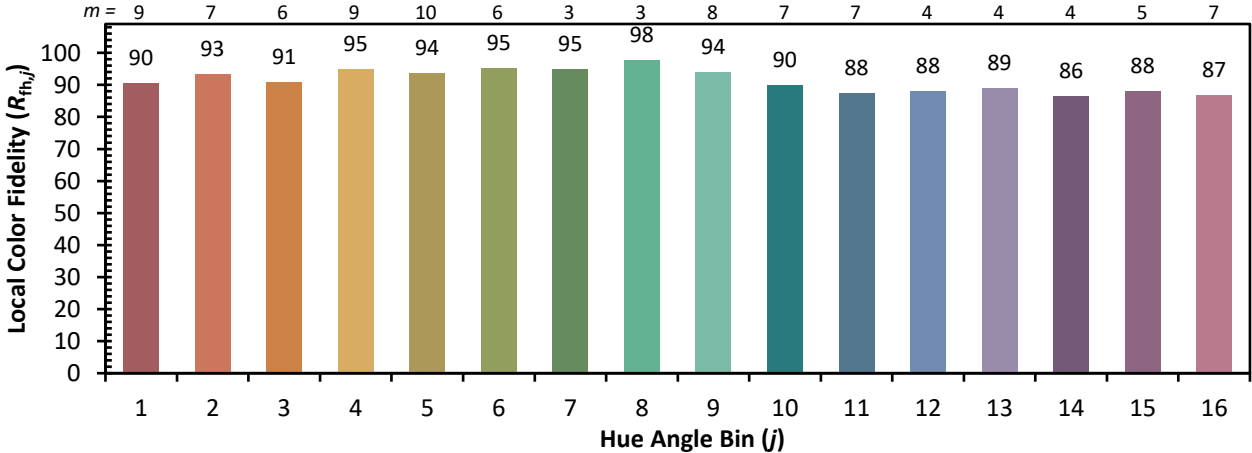


Individual Sample Fidelity Index ($R_{f,i}$)

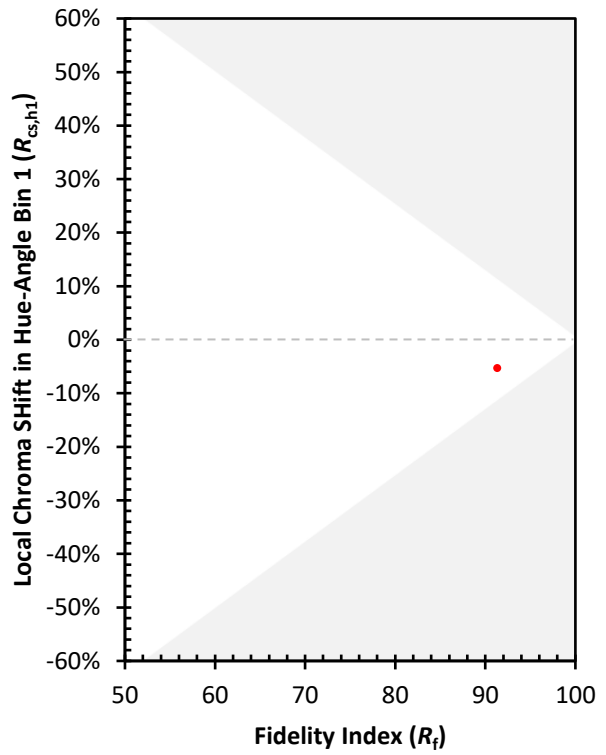
CES01 = 86	CES26 = 94	CES51 = 97	CES76 = 90
CES02 = 63	CES27 = 92	CES52 = 98	CES77 = 86
CES03 = 31	CES28 = 97	CES53 = 98	CES78 = 86
CES04 = 70	CES29 = 97	CES54 = 93	CES79 = 90
CES05 = 50	CES30 = 92	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 97	CES56 = 96	CES81 = 74
CES07 = 43	CES32 = 89	CES57 = 94	CES82 = 96
CES08 = 41	CES33 = 99	CES58 = 95	CES83 = 94
CES09 = 29	CES34 = 94	CES59 = 98	CES84 = 95
CES10 = 75	CES35 = 97	CES60 = 92	CES85 = 79
CES11 = 58	CES36 = 81	CES61 = 93	CES86 = 79
CES12 = 64	CES37 = 96	CES62 = 86	CES87 = 92
CES13 = 44	CES38 = 87	CES63 = 94	CES88 = 98
CES14 = 74	CES39 = 99	CES64 = 91	CES89 = 84
CES15 = 72	CES40 = 97	CES65 = 90	CES90 = 96
CES16 = 48	CES41 = 96	CES66 = 89	CES91 = 75
CES17 = 49	CES42 = 94	CES67 = 88	CES92 = 76
CES18 = 56	CES43 = 93	CES68 = 89	CES93 = 86
CES19 = 71	CES44 = 99	CES69 = 90	CES94 = 74
CES20 = 67	CES45 = 97	CES70 = 88	CES95 = 83
CES21 = 86	CES46 = 97	CES71 = 83	CES96 = 92
CES22 = 78	CES47 = 91	CES72 = 94	CES97 = 96
CES23 = 91	CES48 = 91	CES73 = 83	CES98 = 95
CES24 = 90	CES49 = 96	CES74 = 90	CES99 = 92
CES25 = 71	CES50 = 98	CES75 = 85	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)