

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: P1444717

Luminaire Tested: EHBR1-12-UNV-TA-L935-UPL24

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444717
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-L935-UPL24
Description: Elevate Round Highbay at, 12000 lumens, 3500K 90CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

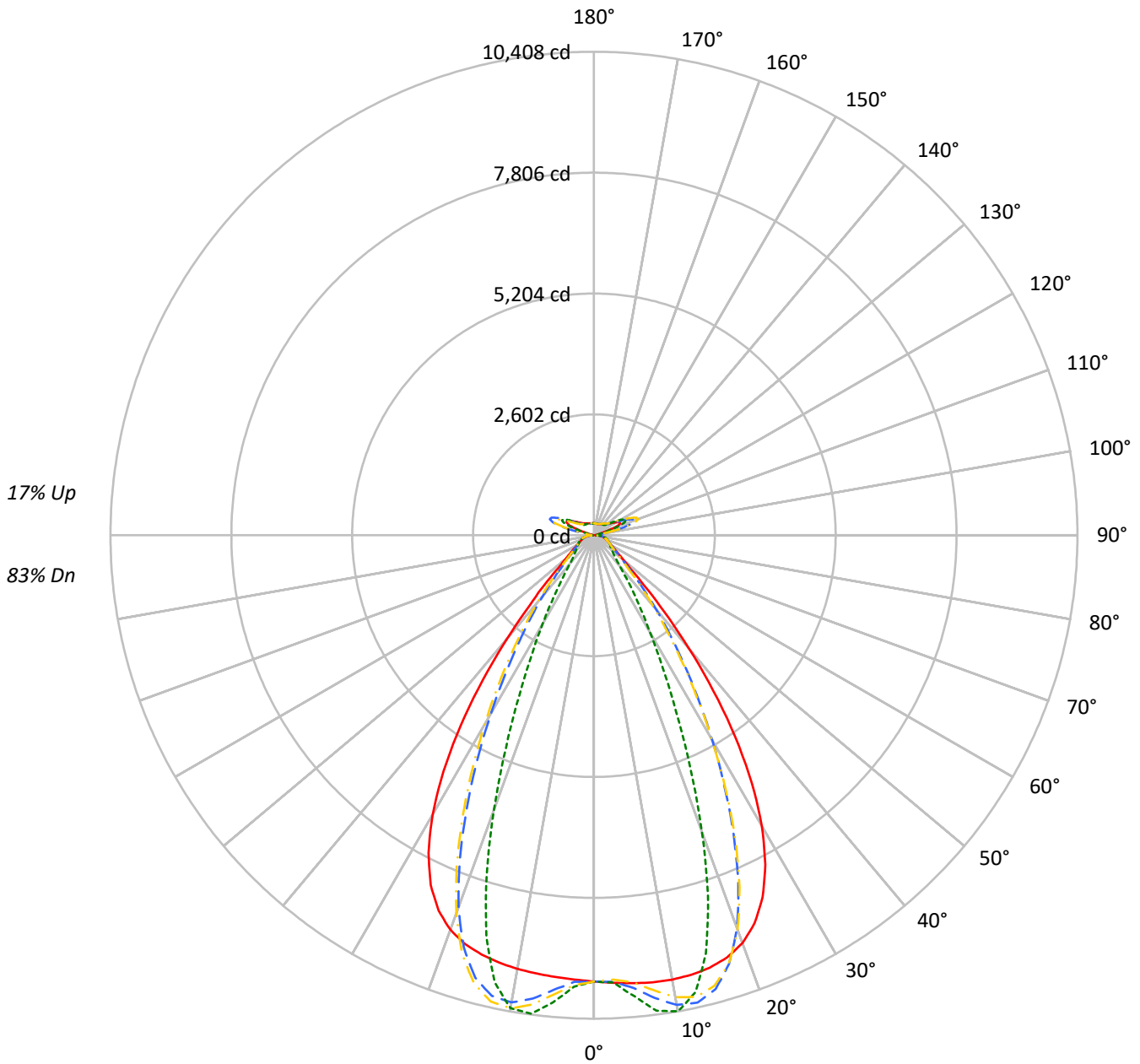
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13327.6 lumens
Efficiency: N/A
Efficacy: 164.1 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°	45115	45115	45115	45115
5°	45333	46655	44699	47267
10°	45712	48985	44616	48661
15°	45936	44404	44538	42616
20°	45461	33080	43973	30607
25°	43031	20921	41609	18982
30°	37590	12572	36135	11490
35°	28930	7889	27266	6988
40°	18301	4948	16744	4650
45°	9433	3855	9277	3792
50°	5530	3429	5360	3376
55°	4236	3244	4080	3215
60°	3585	3314	3433	3272
65°	3368	3461	3238	3343
70°	3290	3623	3126	3487
75°	3518	3843	3327	3674
80°	3640	4256	3300	3885
85°	3427	4105	2770	3515

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 14435 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	946.8	7.1
10°-20°	2663.4	20.0
20°-30°	3033.4	22.8
30°-40°	2180.3	16.4
40°-50°	1005.5	7.5
50°-60°	481.2	3.6
60°-70°	351.1	2.6
70°-80°	266.7	2.0
80°-90°	125.2	0.9
90°-100°	62.0	0.5
100°-110°	387.2	2.9
110°-120°	716.0	5.4
120°-130°	429.9	3.2
130°-140°	265.9	2.0
140°-150°	188.8	1.4
150°-160°	126.2	0.9
160°-170°	73.4	0.6
170°-180°	24.6	0.2
0°-30°	6643.6	49.8
0°-40°	8823.9	66.2
0°-60°	10310.6	77.4
0°-90°	11053.7	82.9
90°-120°	1165.2	8.7
90°-150°	2049.8	15.4
90°-180°	2274.0	17.1
0°-180°	13327.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	9607	9607	9607	9607	9607	
5°	9679	9962	9544	10092	9679	925
15°	9637	9316	9344	8941	9637	2715
25°	8593	4178	8309	3791	8593	3896
35°	5310	1448	5004	1282	5310	3259
45°	1526	624	1501	614	1526	1298
55°	572	438	551	434	572	528
65°	352	361	338	349	352	351
75°	248	271	234	259	248	258
85°	118	141	95	121	118	111
90°	43	51	20	22	43	25
95°	28	32	28	32	28	27
105°	136	178	90	179	136	182
115°	621	760	651	760	621	573
125°	456	489	517	490	456	415
135°	343	314	370	315	343	268
145°	292	292	312	294	292	185
155°	263	268	282	270	263	122
165°	254	256	264	257	254	72
175°	255	258	260	258	255	24
180°	258	258	258	258	258	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9
2.5°	9643.6	9642.9	9642.7	9642.1	9641.9	9641.9	9641.5	9640.7	9640.3	9639.2	9637.9
5°	9679.4	9679.0	9679.2	9679.3	9678.6	9677.1	9674.8	9671.9	9668.3	9664.8	9661.8
7.5°	9707.1	9707.8	9708.6	9708.4	9706.3	9702.8	9698.0	9695.3	9696.9	9702.2	9714.1
10°	9712.1	9716.3	9717.8	9717.4	9713.2	9710.1	9711.3	9721.5	9741.8	9768.8	9805.8
12.5°	9692.5	9697.5	9697.4	9695.6	9691.6	9695.7	9710.5	9740.8	9784.2	9837.5	9900.0
15°	9637.2	9643.7	9641.9	9639.7	9637.0	9650.5	9680.0	9732.6	9799.7	9874.8	9951.8
17.5°	9529.8	9537.8	9533.9	9531.4	9529.1	9554.5	9605.2	9682.2	9766.7	9851.7	9924.7
20°	9343.6	9348.9	9339.7	9335.5	9339.1	9388.8	9463.4	9561.9	9650.9	9731.3	9781.1
22.5°	9039.7	9046.3	9029.1	9027.1	9048.3	9124.8	9219.1	9329.1	9412.8	9476.6	9495.7
25°	8593.3	8599.7	8579.3	8591.5	8627.6	8731.8	8844.1	8961.8	9033.2	9080.4	9067.4
27.5°	7990.6	7996.5	7977.1	8002.1	8059.2	8196.0	8328.3	8455.9	8519.5	8552.6	8510.7
30°	7230.5	7242.8	7219.9	7254.7	7341.8	7519.6	7671.1	7814.2	7877.6	7902.8	7837.6
32.5°	6327.8	6345.3	6320.1	6371.9	6493.4	6706.9	6878.9	7038.9	7109.1	7137.8	7064.1
35°	5309.7	5334.7	5305.8	5383.5	5533.4	5771.2	5961.7	6140.3	6223.4	6264.1	6189.9
37.5°	4231.0	4254.9	4239.3	4342.9	4507.5	4754.0	4948.5	5141.1	5235.0	5296.0	5237.5
40°	3172.0	3193.9	3205.7	3324.2	3479.1	3711.4	3898.1	4088.7	4193.8	4270.4	4234.4
42.5°	2238.8	2260.8	2301.2	2415.5	2544.6	2736.9	2896.9	3068.0	3168.3	3250.2	3236.2
45°	1526.2	1551.7	1602.2	1695.8	1789.3	1927.2	2044.7	2177.8	2259.8	2334.7	2335.6
47.5°	1069.5	1087.4	1132.5	1196.4	1257.4	1430.1	1437.2	1502.6	1557.6	1613.7	1621.0
50°	824.2	835.0	858.9	894.6	929.1	973.9	1015.0	1062.4	1096.3	1127.0	1134.4
52.5°	677.5	684.3	696.5	715.8	735.8	760.2	782.2	808.2	826.7	843.1	846.5
55°	572.5	578.2	596.4	600.1	622.9	627.4	637.1	652.9	663.7	673.5	676.0
57.5°	493.4	497.6	501.4	509.6	516.7	526.9	535.2	546.5	553.3	560.4	561.0
60°	431.0	434.0	436.7	442.4	447.2	454.3	460.1	467.8	472.6	477.9	478.5
62.5°	384.5	386.6	388.5	392.3	395.6	401.1	405.7	412.1	416.6	420.7	421.6
65°	351.5	353.0	354.2	357.0	360.0	364.7	368.8	374.0	377.4	380.6	381.2
67.5°	322.2	323.7	324.9	327.5	329.5	333.1	335.8	339.8	342.2	344.8	344.9
70°	288.7	290.0	290.9	293.4	295.0	298.0	300.3	303.8	306.3	309.1	309.9
72.5°	265.5	266.3	267.5	269.7	272.0	275.3	278.2	281.9	284.9	287.9	289.1
75°	247.8	248.7	249.5	251.4	253.0	255.8	257.9	261.3	264.0	267.2	268.7
77.5°	222.3	223.4	224.1	225.9	227.4	229.9	231.6	234.6	236.8	239.7	241.1
80°	191.5	192.5	193.0	194.8	195.9	198.3	199.8	202.8	204.6	207.5	209.2
82.5°	157.3	158.3	158.6	160.3	160.9	162.9	164.0	167.0	169.3	173.0	175.6
85°	117.8	118.2	118.7	118.3	120.7	120.8	123.5	124.1	127.6	128.5	132.6
87.5°	72.1	73.1	73.6	75.2	76.0	77.6	78.1	79.8	80.8	82.8	83.7
90°	42.6	45.1	46.5	49.2	50.6	53.1	54.4	57.1	58.5	61.3	63.7
92.5°	24.9	26.7	28.4	30.3	32.0	34.1	35.9	37.8	39.5	41.5	45.1
95°	28.5	30.6	32.6	34.7	36.7	38.8	40.8	42.9	44.9	46.9	52.9
97.5°	36.1	37.9	39.6	41.4	43.1	45.0	46.7	48.5	50.2	52.0	59.1
100°	47.4	48.9	50.4	51.9	53.4	54.9	56.4	57.9	59.4	60.9	74.1
102.5°	79.6	84.9	90.2	95.5	100.9	106.1	111.5	116.8	122.1	127.4	155.3
105°	136.5	150.8	165.3	179.7	194.1	208.5	223.0	237.4	251.8	266.2	311.7
107.5°	235.0	261.6	288.3	314.9	341.7	368.3	395.1	421.7	448.4	475.0	521.1
110°	436.8	458.1	479.6	501.1	522.6	544.1	565.5	586.9	608.4	629.9	663.5



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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°	589.6	599.3	609.1	618.8	628.5	638.3	648.0	657.7	667.5	677.2	701.3
115°	621.3	624.7	628.2	631.6	635.2	638.6	642.0	645.5	648.9	652.3	668.7
117.5°	601.7	601.2	600.7	600.3	599.6	599.2	598.6	598.1	597.5	597.0	606.3
120°	559.0	556.2	553.4	550.5	547.7	544.7	541.9	539.0	536.1	533.1	537.3
122.5°	505.4	502.0	498.7	495.2	491.8	488.3	484.9	481.4	477.9	474.5	476.2
125°	455.7	452.3	448.9	445.5	441.9	438.4	434.9	431.4	427.9	424.3	425.4
127.5°	412.1	409.8	407.5	405.0	402.7	400.1	397.7	395.3	392.9	390.4	390.8
130°	383.3	381.2	379.1	377.0	374.9	372.6	370.4	368.2	366.1	363.8	364.5
132.5°	359.4	358.0	356.6	355.1	353.6	352.0	350.7	348.9	347.5	345.9	346.7
135°	342.9	341.6	340.3	339.0	337.6	336.2	334.8	333.3	332.0	330.4	331.4
137.5°	328.6	327.5	326.4	325.2	323.9	322.7	321.4	320.1	318.8	317.5	318.3
140°	315.7	314.7	313.6	312.5	311.4	310.3	309.1	308.0	306.8	305.6	306.7
142.5°	301.4	300.6	299.9	299.0	298.3	297.3	296.4	295.5	294.6	293.7	295.0
145°	291.7	291.0	290.5	289.8	289.1	288.3	287.7	286.9	286.1	285.4	286.9
147.5°	283.1	282.7	282.2	281.7	281.2	280.6	280.1	279.4	278.9	278.2	279.6
150°	275.6	275.2	274.8	274.3	273.7	273.2	272.6	272.1	271.5	270.9	272.4
152.5°	268.0	267.5	267.2	266.6	266.2	265.6	265.2	264.6	264.0	263.5	264.6
155°	262.9	262.5	262.0	261.6	261.1	260.6	260.0	259.6	259.0	258.5	259.6
157.5°	259.2	258.8	258.7	258.2	257.9	257.5	257.2	256.8	256.5	256.1	256.9
160°	256.9	256.6	256.2	255.9	255.5	255.2	254.9	254.5	254.1	253.9	254.5
162.5°	254.6	254.2	254.0	253.6	253.3	252.9	252.6	252.2	252.0	251.5	252.3
165°	253.5	253.3	253.1	253.0	252.8	252.6	252.4	252.2	252.1	251.9	252.3
167.5°	254.8	254.4	254.2	253.9	253.6	253.3	253.0	252.7	252.5	252.1	252.7
170°	254.6	254.4	254.3	254.2	254.0	254.0	253.9	253.7	253.5	253.4	253.9
172.5°	255.4	255.2	255.1	255.1	255.0	254.9	254.8	254.7	254.6	254.5	255.0
175°	254.9	254.7	254.7	254.6	254.5	254.5	254.4	254.3	254.3	254.2	254.5
177.5°	256.4	256.3	256.3	256.3	256.3	256.3	256.2	256.1	256.1	256.1	256.4
180°	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9



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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°	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9
2.5°	9637.0	9635.8	9634.2	9632.2	9630.5	9628.4	9623.6	9622.1	9623.8	9624.9	9627.0
5°	9659.8	9660.6	9660.8	9665.2	9669.0	9678.4	9752.3	9781.6	9804.4	9818.8	9840.7
7.5°	9728.9	9751.1	9773.1	9802.7	9828.1	9862.6	9991.9	10046.9	10086.1	10114.2	10148.8
10°	9845.9	9894.4	9939.9	9993.1	10039.0	10091.3	10211.7	10265.4	10299.3	10323.9	10346.8
12.5°	9963.7	10031.0	10091.8	10151.1	10200.6	10246.1	10288.5	10307.2	10308.8	10309.6	10297.3
15°	10025.2	10089.4	10143.0	10182.2	10211.3	10224.2	10151.3	10113.1	10064.8	10025.0	9959.5
17.5°	9986.4	10025.0	10048.1	10045.8	10033.8	9993.5	9787.1	9673.5	9560.8	9459.2	9326.0
20°	9814.2	9811.2	9791.1	9734.1	9665.5	9558.6	9204.7	9000.5	8803.1	8629.7	8419.3
22.5°	9493.8	9443.4	9373.1	9250.2	9113.6	8927.1	8419.9	8119.4	7844.6	7601.8	7329.8
25°	9029.6	8925.8	8796.2	8601.1	8388.9	8116.7	7491.6	7118.0	6788.0	6501.8	6188.1
27.5°	8435.4	8279.1	8089.2	7819.1	7531.7	7183.0	6490.0	6077.7	5723.4	5416.6	5082.6
30°	7732.0	7528.8	7283.5	6948.3	6601.5	6206.1	5503.2	5085.6	4727.1	4411.4	4077.1
32.5°	6937.1	6699.1	6411.6	6035.4	5660.5	5253.9	4575.1	4170.8	3828.3	3524.6	3222.1
35°	6060.4	5805.1	5501.1	5117.3	4744.5	4349.3	3726.4	3361.9	3059.5	2791.0	2546.8
37.5°	5119.9	4869.3	4580.2	4218.6	3873.0	3514.7	2977.3	2671.9	2418.1	2195.3	2006.7
40°	4142.1	3922.9	3672.7	3360.0	3065.1	2766.8	2325.5	2083.1	1882.8	1713.0	1571.6
42.5°	3176.2	3006.3	2814.5	2567.4	2341.8	2114.6	1775.0	1595.4	1447.0	1324.7	1224.8
45°	2304.5	2190.8	2062.2	1890.4	1734.3	1575.7	1334.1	1207.9	1111.3	1032.4	965.7
47.5°	1611.0	1545.0	1541.0	1382.2	1267.8	1170.9	1015.2	935.4	876.2	828.5	786.2
50°	1131.4	1099.5	1059.8	1003.1	950.0	895.3	800.4	752.2	717.5	688.5	661.9
52.5°	845.8	829.2	808.1	778.0	749.3	718.4	658.4	627.7	616.8	589.8	568.7
55°	675.5	666.1	654.0	636.3	618.8	611.9	560.4	537.6	523.1	512.5	501.2
57.5°	561.1	554.0	546.9	534.9	524.8	512.5	485.2	473.6	464.9	458.7	450.8
60°	478.6	474.4	470.4	463.4	457.9	451.3	434.0	427.3	422.9	419.1	414.1
62.5°	422.4	420.3	418.2	414.5	411.7	408.1	396.2	393.1	390.8	388.9	385.9
65°	381.9	380.3	379.2	376.7	375.3	373.2	363.0	360.9	359.5	358.8	357.0
67.5°	345.0	343.4	342.7	340.9	340.3	339.0	330.6	329.5	329.0	329.3	328.6
70°	310.6	309.9	310.2	310.0	310.8	311.0	306.0	305.9	306.4	307.5	307.6
72.5°	289.9	289.9	290.3	290.5	291.2	291.6	287.4	287.2	287.4	288.2	288.2
75°	270.3	270.6	271.6	272.0	272.9	273.1	267.5	266.9	266.9	267.6	267.5
77.5°	243.1	244.3	246.2	247.3	249.1	249.3	243.2	242.4	242.4	243.2	242.5
80°	212.2	214.4	217.7	220.0	222.6	223.6	217.2	215.7	214.3	214.1	212.8
82.5°	179.5	182.2	186.1	188.1	190.9	191.5	180.8	178.7	177.5	177.6	176.5
85°	136.9	139.0	142.6	143.7	145.5	145.3	133.0	127.8	129.2	127.1	128.8
87.5°	85.9	87.1	89.4	89.6	90.5	90.3	77.9	75.5	74.8	74.9	74.0
90°	67.3	69.9	73.4	75.2	78.1	79.7	71.3	71.9	69.5	68.6	65.9
92.5°	48.8	52.3	55.9	59.5	63.2	66.8	69.2	72.5	68.8	64.9	61.3
95°	58.9	64.9	70.9	76.9	82.9	88.9	94.9	100.9	95.3	89.6	84.0
97.5°	66.2	73.2	80.3	87.5	94.5	101.6	108.7	115.7	109.8	103.7	97.7
100°	87.3	100.5	113.7	126.8	140.0	153.3	166.4	179.6	168.0	156.4	144.8
102.5°	183.4	211.4	239.5	267.5	295.5	323.5	351.6	379.6	353.0	326.4	299.8
105°	357.1	402.5	447.9	493.3	538.6	584.1	629.6	675.0	632.5	590.0	547.5
107.5°	567.2	613.2	659.3	705.3	751.4	797.5	843.7	889.8	848.4	806.9	765.6
110°	697.2	730.9	764.6	798.2	831.9	865.5	899.5	933.2	908.3	883.5	858.6



TEST NUMBER: P1444717
 CATALOG NUMBER: EHBR1-12-UNV-TA-L935-UPL24

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	725.4	749.6	773.7	797.8	821.9	846.0	870.5	894.6	882.3	869.9	857.5
115°	685.1	701.4	717.7	734.0	750.4	766.7	783.3	799.8	795.9	792.1	788.3
117.5°	615.5	624.7	634.0	643.2	652.3	661.5	671.2	680.6	681.5	682.4	683.3
120°	541.3	545.3	549.3	553.4	557.3	561.4	565.9	570.1	573.7	577.2	580.9
122.5°	477.8	479.5	481.2	482.9	484.5	486.2	488.5	490.4	493.0	495.6	498.2
125°	426.3	427.3	428.3	429.3	430.1	431.2	433.0	434.0	434.6	434.9	435.4
127.5°	391.2	391.7	392.0	392.5	392.8	393.3	394.4	395.1	394.0	392.9	391.7
130°	365.2	365.8	366.4	367.2	367.8	368.4	370.0	370.9	368.7	366.4	364.3
132.5°	347.5	348.3	349.0	349.8	350.6	351.4	353.1	354.1	351.7	348.9	346.4
135°	332.3	333.3	334.1	335.1	335.9	337.0	338.9	340.1	337.6	335.1	332.6
137.5°	319.2	320.1	321.1	322.0	322.9	323.8	326.0	327.2	325.3	323.3	321.4
140°	307.7	308.8	309.8	311.0	312.0	313.1	315.4	316.8	315.4	313.8	312.3
142.5°	296.3	297.6	299.0	300.5	301.9	303.3	306.0	307.6	306.6	305.5	304.5
145°	288.2	289.8	291.3	292.9	294.4	296.0	298.9	300.8	300.3	299.6	299.0
147.5°	281.0	282.3	283.7	285.1	286.6	288.1	291.0	292.8	292.5	292.2	291.8
150°	273.6	275.1	276.4	277.9	279.4	280.9	284.1	286.0	285.8	285.5	285.2
152.5°	266.0	267.2	268.5	269.8	271.2	272.5	276.2	278.0	277.7	277.3	277.2
155°	260.5	261.6	262.6	263.7	264.6	265.8	269.4	271.1	271.0	270.9	270.7
157.5°	257.6	258.4	259.0	259.9	260.7	261.6	265.0	266.6	266.5	266.3	266.2
160°	255.0	255.7	256.3	256.9	257.6	258.3	261.8	263.2	263.1	262.9	262.8
162.5°	253.0	254.0	254.6	255.4	256.2	257.0	260.7	262.2	261.9	261.7	261.5
165°	252.9	253.3	253.9	254.4	255.0	255.5	258.8	259.9	259.8	259.8	259.7
167.5°	253.1	253.8	254.2	254.8	255.3	255.9	258.9	260.2	260.1	260.0	259.9
170°	254.2	254.7	255.1	255.6	256.0	256.6	259.1	260.0	259.9	259.7	259.5
172.5°	255.4	255.9	256.4	256.9	257.3	257.9	260.0	261.0	260.8	260.7	260.4
175°	255.0	255.2	255.7	256.0	256.4	256.8	258.6	259.2	259.1	259.1	259.0
177.5°	256.7	256.9	257.1	257.4	257.7	257.9	259.0	259.5	259.5	259.5	259.4
180°	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9



TEST NUMBER: P1444717
 CATALOG NUMBER: EHBR1-12-UNV-TA-L935-UPL24

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9
2.5°	9627.6	9630.9	9631.5	9635.4	9635.1	9639.7	9639.0	9642.9	9640.6	9643.8	9641.1
5°	9853.7	9874.2	9884.9	9904.9	9911.3	9929.1	9934.2	9950.6	9951.2	9964.2	9961.2
7.5°	10173.4	10203.6	10221.6	10246.3	10258.8	10279.4	10288.5	10303.8	10308.7	10320.7	10321.7
10°	10364.2	10378.9	10389.2	10396.1	10402.4	10405.4	10408.8	10407.9	10408.8	10407.5	10410.5
12.5°	10289.2	10267.7	10253.6	10226.7	10211.2	10181.5	10166.9	10138.5	10128.0	10103.6	10100.0
15°	9908.9	9834.2	9781.5	9704.7	9656.4	9580.9	9536.8	9468.6	9437.5	9383.3	9369.1
17.5°	9215.7	9077.1	8969.8	8832.2	8736.7	8608.0	8527.1	8420.6	8362.2	8276.4	8246.7
20°	8244.0	8038.9	7877.9	7686.1	7548.9	7378.0	7268.5	7130.5	7050.3	6944.8	6902.1
22.5°	7103.1	6847.7	6646.7	6420.2	6254.6	6064.1	5932.9	5783.6	5696.4	5581.8	5531.1
25°	5927.2	5645.5	5422.0	5183.4	5008.5	4817.5	4686.4	4539.6	4449.4	4340.6	4290.2
27.5°	4802.5	4517.4	4301.4	4079.6	3919.1	3746.8	3628.5	3500.3	3420.3	3327.4	3280.0
30°	3810.1	3558.6	3374.8	3190.7	3057.2	2917.3	2818.9	2712.7	2642.5	2563.0	2517.8
32.5°	3001.5	2807.4	2663.4	2517.3	2408.1	2291.1	2206.2	2112.5	2049.0	1978.1	1937.2
35°	2377.2	2226.3	2111.6	1991.2	1897.4	1797.8	1722.9	1642.0	1585.2	1524.0	1488.7
37.5°	1878.2	1758.3	1663.8	1563.9	1486.8	1404.3	1376.4	1283.7	1224.7	1176.0	1142.2
40°	1474.1	1378.6	1300.5	1224.1	1161.2	1098.7	1048.4	998.8	960.7	925.8	901.7
42.5°	1151.1	1082.0	1024.9	969.0	923.1	877.5	841.1	806.9	781.3	758.5	742.9
45°	915.0	867.5	827.8	788.4	756.1	725.7	701.1	679.4	662.8	649.1	639.4
47.5°	751.7	719.2	691.3	664.6	642.7	622.7	606.3	601.0	583.1	571.2	566.6
50°	638.9	619.2	598.0	578.3	563.6	549.1	538.5	528.0	521.3	515.8	514.2
52.5°	554.7	539.6	527.8	515.3	505.7	495.3	488.0	481.0	477.4	474.5	474.1
55°	492.0	481.5	473.6	465.3	459.5	453.4	449.6	446.0	444.4	442.9	443.0
57.5°	444.6	437.6	432.5	427.2	424.0	421.1	420.1	419.2	419.6	419.9	420.7
60°	410.1	405.5	402.3	399.2	397.9	397.0	397.7	398.5	400.2	401.5	402.8
62.5°	383.6	381.0	379.5	377.8	377.7	377.8	379.1	380.6	382.7	384.2	385.4
65°	356.4	354.9	354.4	353.4	353.8	354.2	355.9	357.0	359.1	360.4	361.8
67.5°	328.9	328.5	328.8	328.8	329.8	330.6	332.3	333.4	335.3	336.4	337.6
70°	308.5	308.7	309.4	309.6	310.6	311.1	312.6	313.4	314.9	315.9	317.4
72.5°	288.8	288.5	288.7	288.2	288.6	288.4	289.2	289.6	290.9	291.7	293.5
75°	267.7	266.8	266.6	265.6	265.7	265.0	265.4	265.3	266.2	266.6	267.8
77.5°	242.4	240.8	240.1	238.5	238.5	237.9	238.5	238.9	240.4	241.3	242.7
80°	211.9	209.5	208.5	206.6	207.0	206.8	208.5	209.6	211.5	211.9	213.7
82.5°	176.1	173.7	172.6	170.8	171.2	171.3	172.7	172.9	174.6	175.3	177.5
85°	126.1	127.1	124.5	124.7	124.2	125.2	126.1	127.3	128.7	131.1	132.8
87.5°	74.2	74.0	74.9	75.0	76.2	76.9	78.9	80.1	82.5	84.3	87.6
90°	64.4	61.8	61.1	59.1	58.9	57.1	57.1	55.4	55.6	54.6	55.2
92.5°	57.3	53.5	49.6	45.9	42.0	38.3	36.4	34.7	32.9	31.3	29.4
95°	78.5	72.9	67.3	61.7	56.2	50.6	48.5	46.5	44.4	42.4	40.3
97.5°	91.7	85.6	79.7	73.6	67.6	61.6	60.3	58.9	57.6	56.2	54.8
100°	133.2	121.7	110.1	98.4	86.9	75.3	74.2	73.1	72.1	71.0	69.9
102.5°	273.3	246.7	220.1	193.6	167.0	140.4	135.8	131.1	126.5	121.9	117.3
105°	505.0	462.5	420.1	377.5	335.1	292.6	279.9	267.2	254.5	241.8	229.2
107.5°	724.1	682.6	641.2	599.8	558.4	517.0	496.9	476.9	456.9	436.9	416.8
110°	833.7	808.9	784.2	759.1	734.4	709.7	690.5	671.4	652.3	633.3	614.1



TEST NUMBER: P1444717
 CATALOG NUMBER: EHBR1-12-UNV-TA-L935-UPL24

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	845.1	832.7	820.4	808.0	795.7	783.3	774.0	764.8	755.5	746.2	736.8
115°	784.5	780.6	776.8	773.0	769.3	765.4	764.9	764.2	763.6	763.0	762.4
117.5°	684.1	685.0	685.9	686.9	687.8	688.7	693.8	698.9	703.9	709.0	714.3
120°	584.4	588.0	591.7	595.3	598.8	602.4	609.2	616.0	622.9	629.7	636.7
122.5°	500.7	503.4	505.9	508.6	511.2	513.8	520.6	527.4	534.2	540.9	547.9
125°	435.7	436.1	436.5	436.9	437.2	437.7	443.4	448.9	454.6	460.3	466.0
127.5°	390.6	389.4	388.3	387.2	386.0	384.9	388.4	391.8	395.3	398.7	402.2
130°	362.0	359.8	357.5	355.3	353.0	350.8	352.4	353.8	355.4	356.9	358.5
132.5°	343.7	341.1	338.3	335.7	333.0	330.4	330.6	330.9	331.2	331.4	331.8
135°	330.1	327.5	325.0	322.5	319.9	317.5	317.0	316.6	316.2	315.8	315.4
137.5°	319.5	317.5	315.5	313.6	311.6	309.7	309.0	308.2	307.5	306.9	306.2
140°	310.8	309.3	307.7	306.2	304.6	303.3	302.6	302.1	301.4	301.0	300.4
142.5°	303.3	302.3	301.2	300.1	299.0	297.9	297.4	296.8	296.3	295.8	295.3
145°	298.4	297.7	297.0	296.5	295.7	295.2	294.6	294.4	293.9	293.7	293.3
147.5°	291.6	291.1	290.8	290.5	290.1	289.8	289.5	289.3	289.0	288.9	288.7
150°	284.8	284.5	284.1	283.9	283.5	283.2	283.0	283.0	283.0	283.0	282.9
152.5°	276.8	276.5	276.2	276.0	275.5	275.3	275.2	275.3	275.2	275.2	275.1
155°	270.5	270.4	270.3	270.1	269.9	269.7	269.6	269.5	269.3	269.1	268.9
157.5°	266.1	265.9	265.7	265.6	265.5	265.3	265.1	265.0	264.8	264.7	264.6
160°	262.7	262.6	262.4	262.3	262.1	262.0	261.7	261.4	261.1	260.8	260.5
162.5°	261.2	260.8	260.7	260.4	260.1	259.8	259.7	259.5	259.3	259.2	259.0
165°	259.5	259.4	259.2	259.0	258.9	258.8	258.6	258.2	258.0	257.7	257.4
167.5°	259.8	259.7	259.5	259.4	259.2	259.1	258.8	258.6	258.2	258.0	257.7
170°	259.2	258.9	258.8	258.5	258.2	257.9	257.7	257.5	257.1	256.9	256.6
172.5°	260.2	260.0	259.8	259.6	259.3	259.1	258.8	258.7	258.4	258.2	257.9
175°	258.9	258.9	258.9	258.8	258.8	258.7	258.6	258.6	258.5	258.5	258.4
177.5°	259.4	259.4	259.4	259.3	259.3	259.3	259.1	258.9	258.8	258.6	258.5
180°	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9



TEST NUMBER: P1444717
 CATALOG NUMBER: EHBR1-12-UNV-TA-L935-UPL24

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9
2.5°	9643.9	9641.4	9642.6	9638.1	9639.2	9633.7	9633.2	9627.0	9626.5	9620.7	9618.5
5°	9970.4	9965.0	9971.1	9961.6	9963.5	9951.2	9950.2	9934.3	9928.8	9909.0	9900.4
7.5°	10329.3	10327.3	10331.0	10323.1	10322.8	10311.9	10307.3	10293.1	10284.2	10263.4	10250.0
10°	10407.9	10409.7	10406.7	10407.5	10403.2	10402.0	10397.7	10394.9	10387.7	10382.3	10374.3
12.5°	10081.5	10083.4	10070.9	10078.8	10072.6	10087.2	10086.0	10103.1	10105.8	10127.5	10135.8
15°	9326.9	9324.6	9300.7	9315.8	9307.6	9339.6	9346.8	9389.8	9412.8	9468.1	9502.0
17.5°	8187.1	8181.0	8147.4	8165.7	8156.3	8203.5	8219.3	8288.1	8331.0	8420.0	8483.4
20°	6828.5	6816.7	6777.3	6798.8	6789.2	6842.8	6865.4	6948.5	7003.7	7121.7	7205.5
22.5°	5452.9	5434.3	5395.7	5415.9	5406.7	5462.2	5491.6	5575.0	5638.4	5759.4	5857.2
25°	4217.7	4201.1	4163.9	4177.9	4174.6	4221.4	4247.6	4326.5	4388.7	4504.0	4597.4
27.5°	3216.9	3199.7	3166.0	3176.0	3172.5	3212.5	3237.1	3303.0	3356.7	3453.7	3535.7
30°	2462.1	2441.3	2412.7	2418.2	2415.9	2448.3	2471.3	2526.8	2572.7	2654.7	2725.4
32.5°	1887.2	1866.3	1840.0	1842.6	1839.1	1864.6	1883.5	1931.7	1971.8	2041.5	2103.0
35°	1444.0	1468.4	1412.4	1447.9	1411.0	1465.2	1445.7	1475.9	1510.3	1569.0	1620.3
37.5°	1110.1	1093.0	1078.6	1077.1	1077.0	1089.6	1104.5	1133.5	1163.8	1207.6	1252.8
40°	879.7	867.7	858.4	857.7	858.4	867.4	878.3	898.4	920.6	952.0	985.3
42.5°	729.6	721.7	716.0	715.6	717.5	723.8	731.4	743.3	757.8	778.2	800.9
45°	631.4	627.1	623.9	623.7	624.6	627.9	632.3	639.7	648.8	661.5	676.0
47.5°	562.6	561.6	559.6	559.7	558.8	560.1	560.7	564.8	569.6	579.2	598.1
50°	512.5	512.5	511.2	511.1	509.8	509.7	508.6	510.3	512.5	518.5	524.5
52.5°	472.8	472.7	471.3	471.0	469.7	469.6	468.7	469.3	469.6	472.6	476.2
55°	441.9	440.9	439.0	438.4	437.9	438.7	438.3	438.4	437.9	439.2	440.3
57.5°	419.6	418.5	416.6	416.1	416.0	416.9	416.9	416.6	414.9	413.8	412.2
60°	402.0	400.9	398.9	398.4	398.7	400.0	399.9	398.9	396.3	394.2	391.6
62.5°	384.8	384.3	383.3	383.2	382.9	383.1	382.3	381.1	378.7	376.3	373.6
65°	361.6	361.9	361.2	361.3	360.4	360.2	358.8	357.7	355.3	353.2	350.4
67.5°	337.6	337.8	337.2	337.2	336.7	336.8	335.9	334.9	332.8	331.1	328.9
70°	317.8	318.2	317.8	317.9	317.4	317.2	315.9	314.9	312.8	311.3	309.3
72.5°	294.0	295.0	295.0	295.3	294.4	294.0	292.5	291.2	289.2	288.1	286.6
75°	268.4	269.7	270.1	270.7	269.5	268.9	267.2	266.2	264.6	263.9	262.9
77.5°	243.3	244.9	246.3	247.7	245.7	244.0	241.9	240.3	238.0	237.1	235.5
80°	215.3	218.0	221.1	223.9	220.3	216.8	213.3	210.8	207.7	206.5	204.5
82.5°	178.5	181.4	183.2	184.9	182.4	179.9	176.6	174.3	171.0	169.8	167.5
85°	135.7	139.1	140.2	141.1	139.6	138.2	135.0	130.8	128.8	125.5	123.8
87.5°	89.2	91.3	91.7	92.0	91.0	90.4	88.4	86.4	82.8	80.2	77.1
90°	53.8	53.9	51.8	51.1	51.0	52.4	51.5	52.0	50.2	50.4	48.9
92.5°	27.6	25.8	24.0	22.3	24.2	25.8	27.7	29.4	31.2	32.9	34.7
95°	38.3	36.3	34.3	32.2	33.8	35.4	37.1	38.7	40.3	42.0	43.6
97.5°	53.5	52.1	50.8	49.4	50.4	51.3	52.3	53.2	54.2	55.1	56.2
100°	68.8	67.7	66.6	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
102.5°	112.7	108.0	103.4	98.8	102.0	105.0	108.2	111.3	114.5	117.6	120.8
105°	216.5	203.8	191.2	178.5	190.8	203.0	215.3	227.6	239.8	252.1	264.5
107.5°	396.8	376.9	356.8	336.8	359.1	381.4	403.8	426.1	448.4	470.7	493.1
110°	595.1	576.1	556.9	537.9	561.6	585.3	609.0	632.6	656.4	680.0	703.8



TEST NUMBER: P1444717
 CATALOG NUMBER: EHBR1-12-UNV-TA-L935-UPL24

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	727.5	718.3	709.0	699.8	715.0	730.2	745.5	760.9	776.1	791.4	806.7
115°	761.9	761.3	760.8	760.2	767.5	774.6	781.9	789.1	796.4	803.6	810.9
117.5°	719.4	724.5	729.7	734.9	737.2	739.5	741.8	744.1	746.5	748.8	751.3
120°	643.5	650.4	657.3	664.2	663.3	662.3	661.3	660.4	659.6	658.7	657.9
122.5°	554.7	561.6	568.4	575.4	573.4	571.3	569.4	567.3	565.5	563.4	561.6
125°	471.8	477.6	483.3	489.2	487.2	485.2	483.1	481.2	479.2	477.3	475.4
127.5°	405.8	409.5	413.0	416.6	415.6	414.7	413.8	413.0	412.1	411.3	410.5
130°	360.1	361.8	363.4	365.2	365.4	365.7	366.1	366.4	366.9	367.2	367.7
132.5°	332.3	332.6	333.1	333.5	334.6	335.7	336.9	338.1	339.3	340.5	341.9
135°	315.1	314.9	314.6	314.4	316.0	317.7	319.3	321.0	322.8	324.6	326.6
137.5°	305.6	305.1	304.5	304.1	305.7	307.3	309.1	310.7	312.5	314.3	316.2
140°	300.0	299.5	299.3	298.8	300.4	302.1	303.7	305.4	307.2	309.1	310.9
142.5°	294.8	294.4	294.0	293.7	295.1	296.6	298.2	299.7	301.4	303.0	304.6
145°	293.0	292.7	292.5	292.2	293.2	294.3	295.5	296.6	297.8	299.0	300.3
147.5°	288.6	288.4	288.3	288.2	289.0	289.8	290.7	291.5	292.5	293.4	294.4
150°	283.0	283.0	283.0	283.0	283.5	284.0	284.6	285.1	285.8	286.3	287.0
152.5°	275.2	275.1	275.3	275.3	275.7	276.2	276.8	277.2	277.9	278.4	279.1
155°	268.9	268.7	268.6	268.5	268.7	269.0	269.3	269.5	269.7	270.0	270.3
157.5°	264.5	264.3	264.3	264.1	264.2	264.2	264.4	264.4	264.6	264.6	264.7
160°	260.4	260.0	259.8	259.5	259.7	259.8	260.1	260.2	260.5	260.7	260.8
162.5°	258.9	258.8	258.7	258.5	258.5	258.3	258.2	258.1	258.0	257.9	257.9
165°	257.1	256.9	256.6	256.3	256.3	256.4	256.4	256.5	256.5	256.6	256.6
167.5°	257.5	257.1	256.9	256.6	256.5	256.1	256.0	255.7	255.6	255.3	255.2
170°	256.4	256.1	255.9	255.7	255.6	255.5	255.5	255.3	255.3	255.3	255.3
172.5°	257.8	257.5	257.3	257.0	256.9	256.9	256.9	256.9	256.8	256.8	256.8
175°	258.3	258.3	258.2	258.1	258.0	257.9	257.8	257.6	257.5	257.2	257.1
177.5°	258.3	258.1	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.8	257.8
180°	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9



TEST NUMBER: P1444717
 CATALOG NUMBER: EHBR1-12-UNV-TA-L935-UPL24

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9
2.5°	9612.3	9609.7	9603.0	9599.7	9593.6	9590.5	9585.7	9582.6	9578.7	9575.8	9574.4
5°	9878.5	9866.3	9841.6	9826.5	9799.9	9782.4	9755.9	9736.6	9709.3	9689.2	9663.4
7.5°	10225.0	10206.2	10174.6	10150.7	10113.5	10085.1	10043.3	10009.9	9963.7	9925.5	9878.4
10°	10366.1	10355.1	10340.9	10325.5	10305.0	10284.8	10256.2	10227.2	10188.4	10149.9	10099.6
12.5°	10157.6	10168.0	10188.4	10197.9	10213.6	10218.9	10226.0	10222.7	10216.4	10200.6	10177.8
15°	9567.1	9610.4	9678.8	9726.0	9792.3	9838.8	9900.4	9940.0	9985.7	10012.9	10038.9
17.5°	8595.8	8679.5	8800.1	8896.3	9025.5	9130.5	9259.2	9360.4	9477.1	9566.7	9662.0
20°	7351.6	7468.8	7635.3	7776.8	7963.9	8122.7	8326.1	8496.5	8695.1	8860.8	9039.6
22.5°	6012.6	6150.3	6341.2	6511.8	6735.3	6935.0	7189.8	7415.1	7683.8	7924.5	8190.7
25°	4749.3	4884.4	5078.8	5255.3	5496.7	5716.7	5995.1	6253.5	6565.3	6856.0	7189.8
27.5°	3666.0	3786.0	3956.9	4115.8	4336.9	4552.9	4835.4	5110.9	5443.6	5756.1	6115.8
30°	2831.2	2928.5	3065.5	3193.4	3370.8	3547.4	3799.1	4053.9	4384.9	4708.7	5077.5
32.5°	2194.1	2277.1	2391.3	2495.2	2631.9	2765.1	2950.4	3154.0	3444.4	3754.6	4111.2
35°	1698.5	1769.4	1866.8	1956.2	2068.6	2174.3	2312.6	2458.0	2679.6	2940.5	3259.6
37.5°	1354.1	1383.1	1452.5	1525.7	1619.2	1706.0	1814.2	1921.7	2080.2	2286.0	2546.8
40°	1029.8	1075.7	1132.3	1190.0	1260.7	1330.4	1449.0	1506.1	1610.5	1758.4	1960.7
42.5°	830.9	863.2	903.0	943.1	992.4	1040.9	1100.9	1162.1	1240.1	1340.2	1484.1
45°	695.3	716.4	742.0	768.7	801.1	834.3	874.4	916.4	969.3	1030.9	1118.2
47.5°	604.7	616.4	633.2	651.4	673.6	696.5	722.6	749.4	782.3	818.7	868.5
50°	534.0	543.7	556.8	569.0	584.3	607.8	618.1	632.9	652.6	674.1	702.0
52.5°	482.9	489.3	497.5	504.6	514.2	523.0	534.6	544.7	558.4	571.3	589.3
55°	443.0	445.4	450.0	454.5	461.2	467.2	475.1	481.8	490.5	498.2	509.5
57.5°	412.3	412.5	414.6	417.0	421.3	425.1	430.5	434.9	440.9	445.8	452.6
60°	390.2	389.0	389.4	390.3	392.6	395.1	398.6	401.4	405.2	408.0	411.8
62.5°	371.8	369.9	369.5	369.2	370.5	371.3	373.2	374.6	376.8	378.0	380.0
65°	348.5	346.3	345.5	344.5	344.9	344.6	345.2	345.3	346.4	346.7	347.8
67.5°	327.5	325.6	324.5	323.1	322.6	321.6	321.1	320.2	320.1	319.3	319.1
70°	308.2	306.4	305.5	304.3	303.6	302.4	301.5	300.0	299.0	297.5	296.7
72.5°	285.9	284.9	284.7	283.8	283.6	282.9	282.6	281.4	280.8	279.6	278.9
75°	262.7	261.8	261.8	260.9	260.8	260.0	259.8	258.7	258.0	256.8	256.2
77.5°	235.0	233.7	233.4	232.4	232.7	232.3	232.6	231.7	231.3	230.1	229.7
80°	203.8	202.2	201.6	200.3	200.7	200.0	200.7	200.6	201.0	200.0	199.8
82.5°	166.9	165.1	164.8	163.9	164.5	164.6	165.9	165.1	165.5	164.5	165.0
85°	121.4	120.1	118.4	118.1	116.9	118.1	116.6	117.6	115.9	117.1	115.6
87.5°	75.2	72.6	71.2	69.3	68.6	66.8	66.1	64.8	65.2	64.5	64.9
90°	49.5	48.3	49.8	49.9	51.8	52.0	54.3	55.1	57.5	58.2	60.6
92.5°	36.4	38.2	41.4	44.8	47.9	51.2	54.6	57.9	61.1	64.4	67.6
95°	45.2	46.9	51.2	55.6	59.9	64.3	68.8	73.1	77.5	81.8	86.2
97.5°	57.1	58.1	62.4	66.8	71.1	75.5	79.8	84.3	88.6	93.0	97.3
100°	65.5	65.6	78.0	90.4	102.8	115.2	127.5	139.9	152.4	164.8	177.2
102.5°	123.9	127.1	158.3	189.7	221.0	252.2	283.7	314.9	346.2	377.7	408.9
105°	276.7	288.9	336.7	384.6	432.3	480.1	527.9	575.8	623.6	671.4	719.2
107.5°	515.4	537.7	581.0	624.1	667.2	710.5	753.8	796.9	840.2	883.3	926.6
110°	727.5	751.2	780.1	809.0	837.9	866.8	895.7	924.6	953.5	982.6	1011.6



TEST NUMBER: P1444717
 CATALOG NUMBER: EHBR1-12-UNV-TA-L935-UPL24

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	821.9	837.3	854.0	870.9	887.7	904.5	921.4	938.2	955.1	971.9	988.9
115°	818.1	825.4	831.8	838.4	844.9	851.3	857.9	864.5	871.1	877.5	884.1
117.5°	753.6	756.1	757.0	758.0	758.9	759.9	760.9	761.9	762.9	763.9	764.9
120°	657.0	656.1	654.9	653.7	652.6	651.4	650.2	649.1	647.9	646.8	645.8
122.5°	559.6	557.8	556.5	555.4	554.2	553.1	552.0	550.9	549.8	548.7	547.6
125°	473.6	471.7	472.4	473.2	474.0	474.8	475.6	476.5	477.4	478.2	479.1
127.5°	409.8	409.0	411.3	413.6	416.0	418.3	420.7	423.1	425.4	427.8	430.1
130°	368.2	368.7	371.7	374.8	377.8	380.8	383.9	387.0	390.0	393.1	396.2
132.5°	343.1	344.6	347.4	350.3	353.3	356.2	359.2	362.1	365.0	368.0	370.9
135°	328.4	330.3	333.0	335.5	338.2	340.9	343.6	346.2	348.8	351.6	354.2
137.5°	318.0	319.9	322.1	324.1	326.2	328.4	330.4	332.5	334.6	336.7	338.8
140°	312.7	314.7	315.7	316.9	317.9	319.1	320.2	321.4	322.4	323.6	324.6
142.5°	306.3	308.1	308.7	309.4	310.1	310.8	311.5	312.1	312.8	313.4	314.1
145°	301.4	302.8	302.7	302.7	302.6	302.6	302.5	302.5	302.4	302.4	302.3
147.5°	295.3	296.3	295.9	295.8	295.6	295.3	295.0	294.8	294.5	294.3	294.0
150°	287.6	288.3	287.9	287.5	287.0	286.6	286.1	285.7	285.2	284.9	284.4
152.5°	279.6	280.2	279.7	279.2	278.8	278.3	277.8	277.3	276.9	276.3	276.0
155°	270.5	270.8	270.5	270.4	270.1	269.8	269.5	269.4	269.2	268.9	268.7
157.5°	264.7	264.9	264.7	264.6	264.4	264.4	264.2	264.1	264.0	264.0	263.9
160°	261.0	261.3	261.1	260.9	260.8	260.7	260.6	260.5	260.5	260.4	260.4
162.5°	257.9	257.8	257.7	257.5	257.4	257.2	257.2	257.1	257.0	256.9	256.9
165°	256.8	256.9	256.5	256.3	256.0	255.8	255.6	255.4	255.2	255.0	254.9
167.5°	255.0	254.9	254.9	255.0	255.0	255.0	255.0	255.1	255.2	255.3	255.4
170°	255.2	255.3	255.1	255.0	255.0	254.8	254.7	254.6	254.6	254.4	254.4
172.5°	256.8	256.8	256.5	256.2	255.9	255.7	255.4	255.2	255.0	254.7	254.4
175°	256.9	256.9	256.7	256.6	256.4	256.2	256.0	255.9	255.8	255.7	255.5
177.5°	257.8	257.7	257.6	257.6	257.6	257.6	257.6	257.5	257.5	257.5	257.4
180°	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9



TEST NUMBER: P1444717
 CATALOG NUMBER: EHBR1-12-UNV-TA-L935-UPL24

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9
2.5°	9572.5	9572.3	9571.4	9571.8	9572.0	9572.6	9573.5	9574.4	9574.6	9575.2	9575.4
5°	9644.1	9620.4	9602.8	9583.6	9569.1	9556.1	9547.4	9540.5	9537.8	9538.5	9540.1
7.5°	9838.3	9789.4	9749.1	9703.3	9665.0	9624.5	9591.0	9559.1	9535.8	9518.4	9508.8
10°	10051.5	9991.9	9935.0	9868.7	9805.7	9738.5	9677.6	9616.3	9565.3	9520.9	9488.4
12.5°	10146.1	10104.0	10054.7	9992.1	9924.8	9847.3	9769.0	9685.0	9607.0	9534.6	9476.1
15°	10045.9	10046.0	10028.1	9998.0	9951.2	9889.3	9814.6	9727.2	9635.1	9541.2	9455.4
17.5°	9728.0	9788.0	9821.3	9842.5	9835.9	9813.2	9765.7	9698.5	9612.7	9512.6	9407.8
20°	9182.0	9323.5	9424.4	9515.1	9565.9	9599.7	9596.3	9568.9	9507.8	9422.7	9313.6
22.5°	8417.2	8654.6	8842.0	9016.8	9139.3	9239.0	9286.4	9306.5	9278.8	9219.5	9117.1
25°	7488.2	7811.0	8086.6	8354.0	8554.6	8727.0	8830.6	8903.6	8909.4	8878.4	8787.0
27.5°	6455.9	6837.0	7185.7	7541.2	7823.3	8071.1	8233.7	8352.7	8390.5	8385.5	8302.5
30°	5424.9	5825.1	6209.4	6623.9	6972.9	7289.6	7504.4	7665.4	7727.4	7739.2	7659.5
32.5°	4451.3	4845.9	5229.2	5662.5	6046.6	6409.5	6663.2	6854.5	6926.6	6943.6	6856.0
35°	3567.7	3931.7	4296.0	4715.9	5097.8	5473.6	5741.0	5941.2	6008.5	6019.9	5918.5
37.5°	2801.4	3111.5	3428.9	3805.8	4156.4	4509.3	4763.5	4951.5	5000.7	4997.6	4882.9
40°	2156.2	2397.2	2652.4	2962.5	3254.2	3552.4	3767.0	3922.5	3948.3	3929.2	3808.8
42.5°	1621.3	1795.4	1980.4	2211.9	2428.3	2651.6	2807.6	2923.1	2926.8	2896.6	2788.4
45°	1207.9	1377.8	1455.3	1595.3	1734.7	1883.2	1978.4	2049.8	2038.8	2012.1	1929.9
47.5°	920.8	986.1	1055.3	1142.2	1223.4	1391.8	1379.3	1493.8	1411.3	1467.6	1343.8
50°	731.2	767.7	805.0	851.1	893.5	937.5	965.1	985.6	982.9	974.1	950.4
52.5°	622.1	633.3	651.7	677.9	701.6	725.4	741.1	753.9	754.1	750.5	738.6
55°	520.0	534.3	547.4	564.6	593.7	598.3	620.7	616.1	617.9	611.7	618.0
57.5°	458.4	466.8	474.2	484.3	492.8	502.7	508.5	514.0	513.5	512.3	506.2
60°	414.8	419.4	423.5	429.5	434.1	439.7	442.4	445.2	444.3	442.2	436.8
62.5°	381.2	384.1	386.5	390.3	393.1	396.5	398.0	399.1	398.0	396.0	391.2
65°	348.0	349.9	351.4	354.3	356.3	359.3	360.4	361.5	360.4	358.9	355.3
67.5°	318.1	318.3	318.2	319.4	319.9	321.7	322.3	323.1	321.8	320.5	317.4
70°	295.5	295.0	294.5	294.9	295.0	295.9	296.0	295.9	294.4	292.0	288.7
72.5°	277.8	277.5	277.1	277.4	277.4	278.2	278.0	277.6	275.7	273.5	270.2
75°	255.0	254.8	254.0	254.0	253.2	253.5	252.6	252.1	250.0	248.1	245.1
77.5°	228.3	227.9	226.6	226.1	224.8	224.2	222.5	221.6	219.5	218.0	215.4
80°	198.5	198.0	196.5	195.6	193.4	192.1	189.5	188.1	185.6	184.2	181.6
82.5°	164.1	164.3	162.7	161.6	158.5	156.2	152.7	150.9	148.2	146.7	144.2
85°	116.7	115.0	115.9	115.8	113.9	111.9	109.1	107.1	104.9	103.5	101.7
87.5°	64.0	64.4	64.0	63.5	62.2	61.2	59.0	57.8	56.2	55.4	54.0
90°	56.8	54.7	50.8	48.8	45.0	42.2	38.2	35.7	31.9	30.9	28.8
92.5°	63.9	60.3	56.6	52.9	49.3	45.7	42.0	38.3	34.6	33.3	32.2
95°	80.8	75.6	70.2	64.9	59.6	54.3	48.9	43.7	38.3	37.3	36.2
97.5°	91.1	84.8	78.6	72.3	66.1	59.8	53.7	47.4	41.1	40.4	39.8
100°	162.8	148.5	134.0	119.5	105.1	90.7	76.3	61.9	47.5	46.7	45.9
102.5°	374.0	339.1	304.1	269.1	234.3	199.3	164.3	129.3	94.4	89.4	84.4
105°	666.3	613.4	560.5	507.6	454.7	401.8	348.8	295.9	243.1	226.0	209.1
107.5°	876.8	827.1	777.4	727.6	677.8	628.1	578.3	528.6	478.7	448.9	418.9
110°	971.9	932.4	893.0	853.5	814.0	774.5	734.9	695.3	655.8	630.0	604.2



TEST NUMBER: P1444717
 CATALOG NUMBER: EHBR1-12-UNV-TA-L935-UPL24

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	959.9	930.8	901.9	872.8	843.9	814.7	785.8	756.7	727.7	712.0	696.3
115°	866.6	849.1	831.6	814.0	796.5	778.9	761.3	743.7	726.2	717.8	709.5
117.5°	755.9	746.8	737.8	728.7	719.5	710.5	701.4	692.3	683.2	680.2	677.2
120°	642.9	640.0	637.0	634.2	631.2	628.3	625.3	622.4	619.4	619.6	619.7
122.5°	548.4	549.2	550.1	550.8	551.6	552.3	553.1	553.9	554.6	556.6	558.6
125°	481.4	483.7	486.1	488.3	490.6	492.9	495.2	497.4	499.7	501.7	503.7
127.5°	432.9	435.4	438.1	440.6	443.3	445.8	448.5	450.9	453.5	455.2	457.2
130°	398.4	400.6	402.8	404.9	407.2	409.4	411.6	413.7	415.9	417.3	418.5
132.5°	372.8	374.8	376.8	378.6	380.6	382.5	384.5	386.4	388.4	389.2	390.1
135°	355.6	356.9	358.4	359.7	361.2	362.4	363.9	365.3	366.7	367.2	367.7
137.5°	340.0	341.0	342.1	343.2	344.3	345.4	346.6	347.7	348.8	348.8	349.0
140°	325.9	327.1	328.3	329.5	330.7	331.9	333.3	334.4	335.8	335.9	336.0
142.5°	314.9	315.9	316.8	317.7	318.7	319.6	320.5	321.6	322.5	322.6	322.7
145°	303.4	304.5	305.7	306.8	308.1	309.1	310.5	311.7	313.0	312.9	312.9
147.5°	294.9	295.9	296.9	297.9	299.0	300.0	301.1	302.2	303.3	303.3	303.2
150°	285.6	286.6	287.7	288.8	289.9	291.1	292.3	293.5	294.8	294.9	295.1
152.5°	277.2	278.3	279.5	280.8	282.0	283.4	284.8	286.0	287.4	287.6	287.8
155°	269.9	271.1	272.4	273.6	274.9	276.2	277.5	278.8	280.1	280.4	280.7
157.5°	265.0	266.0	267.2	268.3	269.5	270.5	271.8	272.9	274.1	274.3	274.5
160°	261.4	262.3	263.3	264.3	265.3	266.3	267.3	268.3	269.3	269.5	269.7
162.5°	257.9	258.9	259.9	260.8	261.8	262.8	263.8	264.8	265.8	266.0	266.3
165°	255.6	256.2	256.9	257.6	258.3	259.0	259.8	260.4	261.2	261.5	261.7
167.5°	255.9	256.4	256.9	257.5	258.0	258.6	259.1	259.7	260.2	260.6	260.8
170°	254.9	255.4	255.8	256.4	256.9	257.4	257.9	258.4	258.9	259.2	259.5
172.5°	254.8	255.0	255.4	255.8	256.0	256.4	256.8	257.1	257.5	257.9	258.1
175°	255.7	255.8	256.0	256.1	256.3	256.5	256.7	256.9	257.1	257.4	257.7
177.5°	257.5	257.7	257.8	257.9	258.1	258.3	258.5	258.7	258.8	259.2	259.6
180°	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9



TEST NUMBER: P1444717
 CATALOG NUMBER: EHBR1-12-UNV-TA-L935-UPL24

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9
2.5°	9575.0	9574.9	9574.6	9574.2	9573.7	9574.0	9574.5	9575.5	9577.5	9580.3	9583.9
5°	9541.4	9543.4	9544.5	9544.6	9543.6	9543.0	9543.9	9546.5	9551.9	9560.8	9572.8
7.5°	9506.2	9508.6	9512.3	9515.1	9515.6	9514.9	9515.1	9519.2	9529.0	9546.4	9570.7
10°	9468.5	9461.4	9465.2	9472.0	9477.6	9478.6	9479.2	9484.1	9498.4	9524.6	9563.7
12.5°	9433.8	9411.1	9406.8	9413.0	9421.3	9424.0	9423.3	9425.4	9442.1	9476.8	9531.2
15°	9388.0	9345.4	9330.9	9332.5	9342.8	9346.5	9343.8	9339.6	9356.0	9398.4	9468.8
17.5°	9314.1	9245.4	9218.6	9217.5	9229.4	9232.7	9226.1	9213.2	9229.3	9282.2	9369.6
20°	9201.6	9100.2	9049.8	9041.7	9054.8	9051.0	9037.8	9018.4	9039.5	9103.8	9207.9
22.5°	8999.4	8870.9	8784.8	8757.0	8772.6	8762.2	8742.9	8718.2	8746.3	8819.2	8935.1
25°	8669.0	8520.5	8402.6	8336.4	8348.9	8330.2	8309.2	8279.2	8312.8	8396.5	8524.0
27.5°	8183.3	8011.9	7865.7	7756.2	7760.2	7735.7	7711.6	7672.8	7714.6	7813.7	7957.6
30°	7537.6	7339.1	7161.1	7012.3	6998.9	6975.2	6950.5	6899.6	6951.9	7070.6	7238.7
32.5°	6726.6	6506.2	6300.5	6112.4	6076.9	6053.7	6031.7	5973.1	6041.6	6180.0	6373.1
35°	5778.1	5543.4	5320.4	5105.5	5046.7	5023.5	5004.3	4948.1	5033.7	5184.3	5392.8
37.5°	4737.1	4497.3	4276.0	4055.6	3972.4	3941.0	3927.0	3890.2	3988.9	4137.8	4347.3
40°	3668.4	3445.4	3246.9	3052.3	2957.5	2909.4	2902.2	2895.4	2990.8	3120.0	3310.2
42.5°	2668.6	2488.7	2335.7	2186.9	2101.1	2035.3	2035.3	2055.3	2141.1	2237.9	2384.6
45°	1845.9	1725.2	1627.8	1528.3	1554.9	1423.9	1500.9	1461.4	1503.8	1566.2	1661.6
47.5°	1269.0	1203.0	1149.5	1093.9	1053.4	1014.7	1018.2	1043.1	1083.1	1120.0	1169.7
50°	924.8	891.3	864.0	835.2	815.0	797.9	798.9	809.7	830.7	850.2	876.1
52.5°	724.7	706.1	691.3	675.4	664.8	656.4	656.8	662.1	673.4	684.6	699.4
55°	597.3	595.1	575.8	561.5	556.0	550.3	551.4	553.4	561.2	567.6	577.5
57.5°	500.6	491.9	486.1	478.5	475.1	471.1	472.0	472.8	478.0	482.3	489.4
60°	432.2	426.1	422.0	416.8	414.6	412.0	412.7	413.1	416.4	419.3	424.3
62.5°	386.8	381.3	377.8	373.8	372.2	370.5	370.9	371.1	373.1	375.2	379.0
65°	352.0	347.7	344.7	341.2	339.6	337.8	338.0	338.0	339.8	341.2	344.1
67.5°	315.1	311.9	310.0	307.2	306.2	304.3	304.3	303.7	304.9	305.4	307.4
70°	285.6	282.3	279.9	277.2	275.8	274.3	274.3	274.3	275.6	277.0	279.5
72.5°	267.4	264.2	262.0	259.8	258.4	257.0	256.8	256.7	257.6	258.3	260.0
75°	243.2	240.6	239.4	237.3	236.2	234.6	234.4	233.7	234.1	234.3	235.6
77.5°	213.8	211.4	210.4	208.3	207.4	205.6	205.5	204.6	205.0	204.8	205.7
80°	180.5	178.3	177.6	175.9	175.5	173.8	173.6	172.7	172.9	172.2	172.6
82.5°	143.1	141.1	140.7	139.0	139.0	137.6	137.5	136.0	136.0	134.8	132.8
85°	100.8	99.3	98.7	97.3	97.0	95.8	95.2	93.8	93.4	92.4	92.2
87.5°	53.2	52.3	51.5	50.8	49.7	47.5	47.3	45.9	46.0	45.0	45.0
90°	27.9	26.0	25.1	23.2	22.3	20.8	19.9	20.6	21.5	22.2	23.1
92.5°	30.9	29.7	28.5	27.3	26.0	24.8	23.6	24.8	26.0	27.3	28.5
95°	35.1	34.0	32.9	31.8	30.7	29.6	28.5	29.6	30.7	31.9	33.0
97.5°	39.1	38.4	37.7	37.1	36.3	35.7	35.0	35.7	36.3	37.1	37.7
100°	45.0	44.2	43.4	42.6	41.8	41.0	40.2	41.1	41.9	42.7	43.5
102.5°	79.3	74.3	69.2	64.3	59.2	54.2	49.1	54.2	59.2	64.3	69.3
105°	192.1	175.0	158.1	141.0	124.0	107.0	90.0	107.1	124.1	141.1	158.2
107.5°	389.0	359.2	329.2	299.3	269.4	239.4	209.5	239.5	269.5	299.4	329.3
110°	578.4	552.6	526.7	500.9	475.1	449.2	423.3	449.2	475.1	500.9	526.8



TEST NUMBER: P1444717
 CATALOG NUMBER: EHBR1-12-UNV-TA-L935-UPL24

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	680.5	664.8	649.0	633.3	617.5	601.8	586.0	601.8	617.6	633.5	649.2
115°	701.1	692.8	684.4	676.0	667.6	659.3	650.8	659.4	667.8	676.2	684.6
117.5°	674.1	671.1	668.1	665.2	662.1	659.1	655.9	659.2	662.3	665.4	668.5
120°	619.8	620.0	620.2	620.3	620.5	620.6	620.7	620.7	620.7	620.7	620.7
122.5°	560.6	562.5	564.4	566.3	568.3	570.2	572.0	570.3	568.5	566.8	565.0
125°	505.6	507.8	509.7	511.7	513.5	515.6	517.3	515.8	514.0	512.3	510.4
127.5°	458.8	460.6	462.2	464.1	465.7	467.4	468.9	467.6	466.0	464.6	463.0
130°	419.7	421.0	422.2	423.4	424.6	425.7	426.8	425.9	425.0	424.1	423.0
132.5°	390.9	391.8	392.6	393.4	394.2	395.0	395.6	395.2	394.6	394.1	393.4
135°	368.2	368.6	369.1	369.5	369.9	370.2	370.4	370.5	370.3	370.2	370.0
137.5°	349.1	349.2	349.2	349.2	349.2	349.1	349.0	349.4	349.7	350.0	350.2
140°	336.0	336.2	336.1	336.1	336.2	336.1	335.9	336.3	336.6	336.9	337.1
142.5°	322.7	322.8	322.9	322.9	322.9	322.8	322.7	323.1	323.4	323.7	323.8
145°	312.8	312.8	312.6	312.6	312.3	312.1	311.8	312.4	312.8	313.2	313.6
147.5°	303.1	303.0	302.9	302.7	302.5	302.4	302.1	302.5	303.0	303.3	303.8
150°	295.3	295.5	295.6	295.7	295.7	295.8	295.7	296.0	296.2	296.4	296.5
152.5°	287.9	287.9	288.1	288.1	288.3	288.2	288.2	288.5	288.8	288.9	289.1
155°	280.9	281.1	281.3	281.5	281.7	281.9	282.0	282.1	282.2	282.3	282.4
157.5°	274.7	275.0	275.2	275.3	275.5	275.7	275.9	276.1	276.2	276.3	276.3
160°	269.9	270.2	270.3	270.5	270.7	270.9	271.0	271.2	271.4	271.4	271.5
162.5°	266.5	266.6	266.7	267.0	267.1	267.3	267.5	267.6	267.8	267.9	268.0
165°	262.1	262.4	262.7	263.0	263.4	263.7	263.9	263.9	263.9	263.9	263.9
167.5°	261.1	261.4	261.7	261.9	262.2	262.5	262.7	262.7	262.7	262.7	262.7
170°	259.8	259.9	260.3	260.5	260.8	261.0	261.3	261.2	261.2	261.2	261.2
172.5°	258.5	258.9	259.3	259.7	260.0	260.4	260.8	260.7	260.4	260.2	259.9
175°	258.0	258.4	258.7	259.0	259.3	259.7	260.0	259.8	259.7	259.4	259.2
177.5°	260.1	260.6	261.0	261.4	261.8	262.2	262.7	262.3	261.9	261.6	261.2
180°	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9



TEST NUMBER: P1444717
 CATALOG NUMBER: EHBR1-12-UNV-TA-L935-UPL24

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9
2.5°	9589.0	9593.8	9601.1	9607.8	9617.8	9625.7	9637.5	9646.5	9659.9	9668.6	9683.2
5°	9589.9	9608.6	9633.3	9657.4	9686.3	9712.6	9745.2	9773.0	9805.8	9832.6	9866.2
7.5°	9603.4	9639.6	9682.9	9726.6	9776.0	9822.3	9874.4	9921.5	9973.0	10016.7	10064.2
10°	9613.4	9669.2	9733.1	9797.4	9865.1	9928.0	9991.5	10046.3	10097.6	10139.8	10177.1
12.5°	9599.8	9676.7	9758.7	9837.9	9913.2	9978.2	10032.9	10075.0	10104.2	10124.0	10128.6
15°	9553.7	9646.2	9735.4	9814.3	9876.7	9924.8	9949.8	9961.5	9949.0	9928.1	9882.4
17.5°	9467.6	9565.1	9644.9	9707.1	9740.0	9753.2	9732.5	9696.5	9626.4	9548.4	9435.9
20°	9309.7	9400.6	9458.5	9492.3	9483.6	9450.8	9372.9	9278.1	9138.0	8988.5	8791.4
22.5°	9032.7	9112.2	9143.0	9145.5	9091.7	9009.9	8869.2	8706.7	8485.6	8255.7	7973.0
25°	8617.0	8686.6	8691.5	8664.1	8565.5	8433.0	8226.6	7996.5	7696.1	7389.8	7035.5
27.5°	8053.2	8119.9	8103.6	8052.6	7915.7	7738.4	7474.0	7176.9	6806.4	6444.6	6052.7
30°	7344.3	7415.8	7396.6	7331.1	7168.3	6958.8	6647.7	6302.5	5891.2	5504.8	5107.6
32.5°	6496.2	6586.4	6573.2	6511.0	6341.1	6116.9	5779.3	5413.2	4992.4	4611.6	4225.2
35°	5532.1	5641.6	5647.3	5606.6	5448.9	5227.3	4894.0	4539.7	4136.6	3777.3	3420.4
37.5°	4493.4	4620.5	4646.5	4635.5	4504.8	4309.2	4005.5	3687.6	3330.6	3015.6	2710.4
40°	3448.9	3577.6	3622.1	3635.4	3538.9	3387.4	3138.2	2881.6	2590.5	2335.3	2092.9
42.5°	2496.5	2610.4	2653.6	2680.6	2620.5	2519.4	2337.6	2151.3	1938.0	1754.0	1577.6
45°	1733.8	1814.5	1847.3	1874.6	1841.8	1784.7	1669.9	1553.4	1412.6	1292.3	1178.5
47.5°	1212.2	1256.7	1278.4	1291.6	1278.9	1249.1	1186.7	1119.1	1039.7	969.4	901.8
50°	898.5	922.2	933.5	941.1	931.9	915.4	881.6	844.8	801.2	761.4	722.4
52.5°	712.0	725.6	732.3	736.5	731.1	721.1	701.4	679.6	653.4	628.8	615.9
55°	599.9	599.2	614.7	607.2	614.7	597.9	594.5	570.4	548.7	533.5	516.9
57.5°	494.7	501.7	504.7	508.1	505.9	502.8	494.5	485.9	474.5	464.9	454.6
60°	428.2	434.0	437.3	440.6	440.4	439.2	434.4	429.2	422.2	416.4	410.2
62.5°	382.5	387.5	390.7	393.9	394.2	393.7	390.0	386.5	381.6	377.9	373.7
65°	346.4	349.9	352.1	354.6	354.6	353.8	350.6	347.6	343.6	341.1	337.9
67.5°	308.7	311.3	313.0	315.5	315.9	316.0	314.2	312.9	310.9	310.1	309.1
70°	281.9	285.1	287.9	290.9	292.6	293.3	292.6	291.8	290.7	290.2	289.4
72.5°	261.6	264.3	266.5	269.2	270.7	271.8	271.3	270.8	269.8	269.7	269.1
75°	236.4	238.3	239.5	241.5	242.4	243.3	242.9	243.2	242.9	243.6	243.6
77.5°	206.1	207.5	208.0	209.5	209.6	210.9	211.2	212.6	213.7	216.0	217.2
80°	171.9	172.8	172.8	174.4	175.1	177.2	178.2	180.5	181.6	183.7	183.9
82.5°	133.6	132.6	133.6	133.0	134.9	137.2	137.6	139.6	140.0	141.4	140.4
85°	91.4	91.3	90.5	90.5	90.0	90.3	89.9	90.3	89.9	90.0	89.0
87.5°	43.8	44.1	43.2	43.5	42.6	43.1	42.2	42.9	41.9	42.1	40.6
90°	23.9	24.8	25.6	26.6	27.6	29.9	32.3	34.6	37.2	39.6	42.1
92.5°	29.7	30.9	32.2	33.4	34.6	38.3	42.0	45.7	49.4	53.0	56.6
95°	34.1	35.2	36.3	37.4	38.5	43.9	49.1	54.5	59.8	65.1	70.4
97.5°	38.5	39.2	39.9	40.5	41.2	47.5	53.7	60.0	66.3	72.5	78.8
100°	44.3	45.1	46.0	46.9	47.7	62.1	76.5	91.0	105.4	119.7	134.1
102.5°	74.4	79.4	84.5	89.5	94.6	129.6	164.6	199.6	234.5	269.4	304.3
105°	175.1	192.1	209.3	226.2	243.3	296.2	349.1	402.1	455.0	507.9	560.8
107.5°	359.3	389.2	419.2	449.2	479.1	528.9	578.6	628.4	678.3	728.0	777.7
110°	552.8	578.5	604.4	630.4	656.2	695.7	735.3	774.9	814.4	854.0	893.5



TEST NUMBER: P1444717
 CATALOG NUMBER: EHBR1-12-UNV-TA-L935-UPL24

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	665.1	680.7	696.6	712.4	728.1	757.1	786.3	815.3	844.5	873.4	902.5
115°	693.2	701.5	709.9	718.3	726.7	744.4	762.0	779.6	797.2	814.7	832.4
117.5°	671.6	674.7	677.8	680.7	683.8	693.0	702.1	711.3	720.4	729.7	738.7
120°	620.7	620.6	620.5	620.3	620.2	623.2	626.3	629.3	632.2	635.2	638.1
122.5°	563.1	561.3	559.4	557.5	555.6	554.9	554.1	553.4	552.8	552.0	551.2
125°	508.5	506.6	504.7	502.8	500.9	498.7	496.5	494.1	492.0	489.7	487.4
127.5°	461.5	459.8	458.2	456.5	454.9	452.3	449.8	447.2	444.7	442.1	439.6
130°	422.0	420.9	419.8	418.5	417.5	415.2	413.1	410.9	408.8	406.7	404.5
132.5°	392.9	392.2	391.4	390.6	389.9	388.0	386.2	384.2	382.3	380.4	378.6
135°	369.8	369.4	369.1	368.8	368.4	367.1	365.7	364.3	363.1	361.7	360.4
137.5°	350.4	350.5	350.6	350.6	350.7	349.6	348.5	347.4	346.4	345.3	344.2
140°	337.3	337.4	337.6	337.6	337.7	336.4	335.3	334.1	333.0	331.7	330.5
142.5°	324.0	324.2	324.3	324.4	324.5	323.6	322.7	321.8	320.9	320.0	319.1
145°	313.9	314.1	314.5	314.6	314.9	313.8	312.7	311.5	310.5	309.2	308.2
147.5°	304.2	304.4	304.7	305.1	305.3	304.3	303.4	302.4	301.5	300.5	299.7
150°	296.6	296.6	296.8	296.8	296.9	295.8	294.8	293.7	292.8	291.7	290.8
152.5°	289.2	289.4	289.5	289.6	289.7	288.6	287.4	286.3	285.1	284.0	282.9
155°	282.5	282.5	282.5	282.5	282.5	281.4	280.3	279.2	278.2	277.1	276.0
157.5°	276.4	276.5	276.6	276.6	276.7	275.7	274.8	273.8	272.9	271.8	270.9
160°	271.6	271.7	271.8	271.9	271.9	271.1	270.4	269.5	268.7	267.8	267.0
162.5°	268.1	268.3	268.3	268.4	268.5	267.6	266.8	266.0	265.2	264.4	263.6
165°	263.8	263.8	263.7	263.7	263.6	263.0	262.6	262.0	261.5	260.8	260.3
167.5°	262.7	262.6	262.5	262.5	262.4	262.0	261.7	261.2	260.8	260.4	259.9
170°	261.1	261.0	260.9	260.9	260.8	260.4	260.0	259.7	259.3	258.8	258.4
172.5°	259.8	259.6	259.4	259.2	258.9	258.7	258.4	258.1	257.9	257.7	257.4
175°	258.9	258.8	258.5	258.3	258.0	257.9	257.9	257.7	257.6	257.4	257.3
177.5°	260.8	260.5	260.0	259.7	259.3	259.2	259.0	258.9	258.8	258.8	258.6
180°	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9



TEST NUMBER: P1444717
 CATALOG NUMBER: EHBR1-12-UNV-TA-L935-UPL24

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9
2.5°	9692.2	9632.4	9624.5	9628.7	9638.6	9642.3	9653.1	9656.1	9667.0	9669.6	9680.0
5°	9892.2	9813.1	9817.0	9836.0	9864.8	9882.0	9910.3	9925.1	9952.1	9964.5	9988.8
7.5°	10103.1	10040.9	10060.3	10092.4	10131.8	10159.0	10193.0	10215.2	10244.5	10262.7	10286.2
10°	10206.6	10189.6	10210.9	10236.2	10258.6	10276.2	10290.6	10302.2	10309.8	10316.8	10319.9
12.5°	10127.9	10154.1	10157.8	10155.3	10140.5	10129.1	10103.6	10086.3	10055.4	10036.7	10000.1
15°	9835.8	9893.7	9861.6	9813.0	9742.0	9682.7	9599.0	9536.8	9449.6	9390.5	9303.0
17.5°	9323.1	9396.2	9312.6	9200.2	9057.3	8935.0	8782.7	8661.9	8510.4	8400.3	8259.0
20°	8601.4	8669.8	8520.7	8334.4	8113.3	7927.1	7707.7	7532.6	7328.7	7176.9	6993.9
22.5°	7702.9	7751.6	7541.5	7290.4	7008.6	6776.2	6513.8	6303.9	6071.0	5897.7	5702.4
25°	6708.8	6722.0	6470.0	6180.7	5866.7	5605.4	5325.2	5104.5	4867.2	4691.3	4499.8
27.5°	5705.4	5686.2	5413.9	5107.2	4776.8	4505.3	4232.0	4025.2	3817.3	3658.9	3493.9
30°	4758.5	4711.8	4429.0	4113.7	3793.2	3549.7	3322.9	3156.8	2991.4	2865.8	2733.3
32.5°	3890.1	3824.3	3549.0	3253.6	2983.5	2795.6	2627.4	2501.7	2368.1	2262.0	2150.9
35°	3120.9	3050.7	2806.9	2556.5	2352.0	2213.5	2081.3	1978.2	1864.9	1775.3	1678.8
37.5°	2460.7	2403.2	2199.0	2001.9	1847.3	1740.0	1631.7	1547.4	1453.7	1414.2	1311.1
40°	1899.7	1859.5	1699.8	1554.5	1438.3	1388.0	1278.0	1199.3	1129.3	1071.6	1015.5
42.5°	1481.8	1467.5	1312.1	1198.8	1117.1	1053.5	992.2	942.5	894.1	854.3	816.7
45°	1087.4	1076.2	1007.1	941.8	886.0	841.6	800.2	766.0	734.3	708.1	684.3
47.5°	846.8	843.2	803.4	762.9	727.8	699.2	672.3	649.7	628.6	611.1	605.4
50°	688.7	688.3	664.9	639.9	614.9	598.4	581.2	567.8	554.3	543.8	532.7
52.5°	585.1	582.6	566.9	551.4	536.6	525.8	514.8	506.2	497.3	490.8	483.9
55°	503.7	506.5	497.3	488.1	478.8	472.1	464.4	458.7	452.6	448.5	444.4
57.5°	447.2	450.7	446.0	440.7	435.1	430.7	425.3	421.4	417.4	414.7	412.4
60°	406.1	409.9	408.0	405.4	401.9	399.2	395.9	393.7	391.1	389.6	388.3
62.5°	371.2	376.0	375.3	374.1	371.9	370.4	368.5	367.6	365.8	365.2	364.5
65°	336.4	341.8	341.7	341.1	339.9	339.4	338.2	338.1	337.2	337.5	337.4
67.5°	309.0	313.7	314.8	315.5	315.5	315.8	315.7	316.1	316.1	316.8	317.2
70°	289.2	292.6	293.3	294.1	294.3	294.9	294.9	295.4	295.2	295.8	295.9
72.5°	269.3	273.6	274.3	275.0	275.0	275.6	275.3	275.2	274.3	274.2	273.5
75°	244.4	250.0	251.1	252.0	252.1	252.6	251.9	251.3	250.0	249.3	248.3
77.5°	218.4	224.2	225.0	225.3	224.9	225.0	223.4	222.3	220.5	219.8	218.8
80°	184.7	193.1	193.8	193.2	192.0	191.7	190.2	189.2	187.1	186.3	185.4
82.5°	140.6	150.5	151.8	152.4	151.4	151.6	150.2	149.5	147.6	147.2	145.9
85°	88.7	98.6	100.2	100.0	99.0	98.7	97.9	98.2	98.0	98.5	98.8
87.5°	40.8	50.3	52.7	51.9	51.8	51.1	49.6	50.2	51.1	51.7	51.8
90°	44.5	49.8	52.1	50.2	47.5	45.5	42.8	40.9	38.2	36.4	33.9
92.5°	60.4	64.0	67.7	64.4	61.2	57.9	54.7	51.3	48.0	44.8	41.5
95°	75.8	80.9	86.3	81.9	77.5	73.1	68.8	64.3	60.0	55.6	51.3
97.5°	85.0	91.2	97.4	93.1	88.7	84.3	79.9	75.6	71.2	66.9	62.5
100°	148.6	163.0	177.3	164.9	152.5	140.1	127.7	115.3	102.9	90.5	78.1
102.5°	339.2	374.1	409.0	377.8	346.4	315.0	283.8	252.4	221.1	189.8	158.4
105°	613.8	666.5	719.4	671.5	623.7	575.9	528.1	480.2	432.4	384.6	336.8
107.5°	827.6	877.1	926.7	883.5	840.3	797.1	753.9	710.7	667.4	624.2	581.0
110°	933.1	972.3	1011.7	982.7	953.8	924.8	895.9	866.9	838.0	809.2	780.2



TEST NUMBER: P1444717
 CATALOG NUMBER: EHBR1-12-UNV-TA-L935-UPL24

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	931.5	960.3	989.1	972.1	955.3	938.5	921.6	904.7	887.8	871.1	854.2
115°	850.0	867.0	884.4	877.8	871.3	864.6	858.1	851.6	845.1	838.5	832.1
117.5°	747.8	756.3	765.3	764.2	763.2	762.1	761.1	760.1	759.1	758.1	757.2
120°	641.1	643.4	646.2	647.2	648.4	649.5	650.7	651.7	652.9	654.0	655.2
122.5°	550.5	549.1	548.1	549.1	550.2	551.2	552.4	553.5	554.7	555.8	556.9
125°	485.2	482.1	479.5	478.7	477.9	477.0	476.2	475.3	474.5	473.6	472.8
127.5°	437.0	433.7	430.8	428.4	426.1	423.6	421.4	418.9	416.6	414.2	411.9
130°	402.3	399.2	396.9	393.8	390.8	387.6	384.6	381.6	378.5	375.5	372.4
132.5°	376.7	373.8	371.7	368.7	365.9	362.9	360.0	357.0	354.2	351.1	348.3
135°	359.0	356.6	355.0	352.3	349.8	347.1	344.5	341.8	339.2	336.5	334.0
137.5°	343.1	341.0	339.7	337.6	335.6	333.4	331.5	329.4	327.4	325.1	323.2
140°	329.4	327.0	325.6	324.6	323.5	322.4	321.3	320.2	319.1	318.0	316.9
142.5°	318.3	316.1	315.0	314.4	313.9	313.1	312.7	312.0	311.3	310.6	310.1
145°	307.1	304.6	303.3	303.3	303.4	303.5	303.6	303.7	303.8	303.9	304.0
147.5°	298.7	296.3	295.0	295.4	295.6	295.9	296.2	296.5	296.7	297.0	297.3
150°	289.6	286.9	285.3	285.8	286.2	286.7	287.2	287.7	288.1	288.6	289.0
152.5°	281.7	278.4	276.7	277.2	277.7	278.2	278.7	279.1	279.7	280.2	280.8
155°	274.8	271.3	269.5	269.7	269.9	270.2	270.4	270.6	270.9	271.2	271.5
157.5°	269.8	266.4	264.7	264.7	264.8	264.9	265.0	265.2	265.3	265.5	265.6
160°	266.2	262.7	261.2	261.1	261.3	261.3	261.4	261.5	261.7	261.7	261.9
162.5°	262.7	259.3	257.8	257.8	257.9	257.9	258.0	257.9	258.1	258.2	258.4
165°	259.7	256.9	255.7	255.8	255.9	256.1	256.3	256.6	256.8	257.0	257.3
167.5°	259.6	257.0	256.1	256.0	255.9	255.8	255.8	255.7	255.7	255.6	255.6
170°	257.9	255.9	255.1	255.1	255.3	255.3	255.4	255.5	255.6	255.7	255.9
172.5°	257.0	255.6	255.0	255.2	255.5	255.8	256.0	256.2	256.5	256.8	257.0
175°	257.1	256.3	256.0	256.1	256.2	256.4	256.5	256.7	256.8	256.9	257.1
177.5°	258.5	258.1	257.9	257.9	257.9	257.9	257.9	257.9	257.9	258.0	258.0
180°	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9



TEST NUMBER: P1444717
 CATALOG NUMBER: EHBR1-12-UNV-TA-L935-UPL24

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9
2.5°	9682.0	9693.3	9692.5	9703.0	9702.4	9712.4	9710.4	9719.0	9717.0	9724.4	9720.0
5°	9999.6	10021.1	10028.2	10047.6	10051.6	10068.9	10069.2	10083.0	10081.4	10092.2	10086.4
7.5°	10300.1	10320.1	10329.6	10344.7	10352.2	10364.6	10369.5	10379.7	10382.2	10388.3	10388.1
10°	10325.4	10325.4	10330.0	10327.9	10332.2	10329.7	10334.9	10333.0	10340.6	10338.6	10344.3
12.5°	9984.2	9950.4	9938.0	9907.6	9900.9	9874.8	9876.7	9860.0	9868.0	9857.8	9875.3
15°	9251.0	9172.5	9133.7	9065.4	9044.0	8990.0	8985.6	8949.7	8959.4	8940.7	8968.0
17.5°	8167.6	8043.9	7976.1	7876.3	7836.8	7760.4	7745.0	7698.9	7706.1	7682.9	7715.9
20°	6875.8	6726.3	6640.8	6525.4	6474.0	6382.9	6358.8	6307.1	6313.7	6290.6	6328.0
22.5°	5569.2	5412.8	5316.2	5195.3	5129.6	5044.0	5018.3	4966.5	4969.4	4947.7	4983.7
25°	4368.6	4218.6	4124.8	4015.0	3958.0	3879.5	3852.5	3805.9	3808.6	3790.7	3823.0
27.5°	3379.4	3256.3	3177.9	3085.9	3034.8	2970.2	2943.9	2904.8	2904.6	2891.6	2918.6
30°	2640.9	2538.2	2467.7	2387.5	2339.5	2281.3	2255.9	2220.9	2219.3	2210.0	2231.5
32.5°	2067.7	1976.3	1912.1	1841.6	1798.5	1748.5	1724.5	1696.3	1693.7	1685.3	1702.9
35°	1607.4	1530.4	1475.2	1415.8	1420.2	1346.5	1358.8	1301.5	1286.0	1282.5	1295.7
37.5°	1242.3	1182.8	1137.8	1093.4	1063.2	1032.1	1015.4	1000.3	998.6	997.1	1006.3
40°	972.4	930.7	898.1	867.5	846.8	827.8	817.3	809.1	807.1	806.0	811.5
42.5°	787.0	758.9	737.8	719.2	706.6	696.2	690.5	685.9	684.4	684.5	687.7
45°	664.9	647.8	634.2	622.7	614.7	618.2	607.8	613.2	606.1	613.5	608.6
47.5°	585.6	571.0	562.6	554.4	549.6	545.6	545.8	545.9	547.4	547.6	549.2
50°	524.3	515.9	510.1	504.8	502.3	500.2	500.9	501.5	503.0	503.1	504.3
52.5°	479.0	473.5	469.9	466.7	465.6	464.4	464.9	464.7	465.3	465.0	465.9
55°	442.1	439.5	438.4	437.2	437.4	437.0	437.2	436.1	435.4	434.5	435.3
57.5°	411.8	411.5	412.2	412.7	414.1	414.6	414.9	413.6	412.3	411.1	411.8
60°	388.5	389.1	390.9	392.4	394.4	395.3	395.9	395.2	394.3	393.3	393.8
62.5°	365.5	366.4	368.6	370.3	372.7	374.0	375.3	375.4	375.8	375.4	375.8
65°	338.8	339.9	341.9	343.3	345.6	346.7	348.0	348.3	349.1	348.9	349.6
67.5°	318.5	319.5	321.2	322.5	324.5	325.6	326.9	326.9	327.3	327.2	327.8
70°	296.9	297.4	298.9	300.0	302.0	303.2	304.5	305.0	305.9	306.0	306.7
72.5°	273.8	273.6	274.4	275.0	276.4	277.4	279.2	280.2	281.7	282.0	282.6
75°	248.7	248.4	249.5	250.0	251.2	252.1	254.2	255.5	257.9	258.8	258.5
77.5°	219.6	220.1	222.1	223.1	224.9	226.0	228.7	230.8	235.0	236.9	235.0
80°	187.1	187.5	189.6	190.7	192.9	194.3	197.3	199.8	203.6	204.4	203.3
82.5°	147.0	147.2	149.0	149.8	152.7	154.8	158.6	160.5	162.9	162.5	162.2
85°	100.2	101.6	104.0	106.2	109.8	113.2	116.7	119.6	117.6	120.8	117.2
87.5°	53.6	53.5	56.6	56.1	61.1	64.0	67.0	68.4	70.1	69.8	69.8
90°	32.2	30.6	29.8	28.2	27.6	25.9	25.6	24.0	23.8	22.0	24.6
92.5°	38.2	36.5	34.7	33.0	31.2	29.5	27.6	25.9	24.1	22.4	24.1
95°	46.9	45.3	43.7	42.1	40.4	38.8	37.2	35.5	33.9	32.3	34.3
97.5°	58.2	57.2	56.3	55.3	54.4	53.4	52.5	51.5	50.6	49.6	50.9
100°	65.7	65.7	65.7	65.7	65.6	65.6	65.6	65.6	65.6	65.6	66.7
102.5°	127.2	124.0	120.9	117.6	114.6	111.4	108.3	105.1	102.1	98.9	103.5
105°	289.0	276.8	264.6	252.2	239.9	227.7	215.4	203.1	190.9	178.6	191.3
107.5°	537.9	515.5	493.2	470.8	448.5	426.2	403.9	381.5	359.2	336.9	356.9
110°	751.3	727.6	703.9	680.2	656.5	632.7	609.1	585.4	561.7	538.0	557.0



TEST NUMBER: P1444717
 CATALOG NUMBER: EHBR1-12-UNV-TA-L935-UPL24

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	837.4	822.0	806.8	791.4	776.2	761.0	745.7	730.4	715.2	700.0	709.2
115°	825.5	818.2	811.0	803.7	796.5	789.2	782.0	774.7	767.6	760.3	760.9
117.5°	756.2	753.8	751.4	749.0	746.7	744.3	742.0	739.7	737.3	735.0	729.9
120°	656.5	657.3	658.0	659.0	659.8	660.8	661.5	662.5	663.4	664.4	657.5
122.5°	558.0	559.8	561.8	563.7	565.6	567.6	569.6	571.6	573.7	575.7	568.7
125°	472.0	473.9	475.7	477.7	479.5	481.5	483.5	485.6	487.5	489.7	483.8
127.5°	409.6	410.4	411.0	411.8	412.6	413.6	414.4	415.3	416.2	417.3	413.6
130°	369.4	368.9	368.4	368.0	367.4	367.2	366.8	366.4	366.2	365.9	364.2
132.5°	345.3	344.0	342.7	341.3	340.1	338.9	337.7	336.6	335.4	334.4	333.9
135°	331.3	329.4	327.5	325.6	323.7	322.1	320.3	318.7	317.0	315.4	315.6
137.5°	321.0	319.2	317.3	315.5	313.6	311.9	310.1	308.4	306.8	305.3	305.7
140°	315.9	314.0	312.0	310.2	308.5	306.7	305.0	303.3	301.6	300.2	300.4
142.5°	309.3	307.7	305.9	304.3	302.6	301.1	299.5	298.0	296.5	295.1	295.5
145°	304.1	302.8	301.5	300.3	299.1	298.0	296.7	295.7	294.6	293.7	293.8
147.5°	297.5	296.6	295.6	294.7	293.8	292.9	292.0	291.2	290.4	289.7	289.8
150°	289.5	288.9	288.2	287.7	287.0	286.5	285.9	285.4	284.9	284.4	284.3
152.5°	281.2	280.7	280.1	279.5	279.0	278.4	277.9	277.4	277.0	276.4	276.4
155°	271.8	271.5	271.3	271.0	270.7	270.5	270.3	270.2	269.9	269.7	269.7
157.5°	265.8	265.6	265.6	265.6	265.5	265.4	265.3	265.3	265.2	265.2	265.3
160°	262.1	261.9	261.7	261.6	261.3	261.1	260.9	260.8	260.7	260.5	260.8
162.5°	258.5	258.7	258.7	258.8	258.8	258.9	259.0	259.1	259.2	259.4	259.5
165°	257.6	257.5	257.4	257.3	257.2	257.2	257.1	257.1	257.0	257.1	257.3
167.5°	255.6	255.7	255.9	255.9	256.1	256.3	256.6	256.8	256.9	257.2	257.5
170°	255.9	255.9	255.9	255.9	255.9	255.9	255.9	255.9	256.0	256.1	256.3
172.5°	257.3	257.3	257.2	257.3	257.2	257.3	257.3	257.3	257.3	257.4	257.6
175°	257.2	257.4	257.6	257.7	257.9	257.9	258.1	258.2	258.4	258.5	258.5
177.5°	258.0	258.0	258.0	258.0	258.0	258.1	258.1	258.1	258.1	258.0	258.1
180°	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9



TEST NUMBER: P1444717
 CATALOG NUMBER: EHBR1-12-UNV-TA-L935-UPL24

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9
2.5°	9727.2	9722.3	9727.3	9722.3	9727.3	9721.3	9725.4	9718.8	9720.5	9713.7	9715.4
5°	10095.0	10087.3	10091.3	10081.3	10082.4	10068.9	10068.7	10053.0	10048.8	10031.0	10023.2
7.5°	10392.4	10389.9	10391.3	10384.8	10384.1	10374.8	10370.5	10357.5	10349.4	10333.0	10321.7
10°	10345.3	10352.9	10354.9	10362.6	10364.2	10371.8	10373.5	10381.1	10382.7	10388.3	10388.4
12.5°	9874.5	9900.2	9906.4	9938.2	9951.6	9987.9	10007.4	10047.6	10071.3	10111.4	10135.9
15°	8967.3	9011.9	9029.7	9091.7	9126.1	9198.6	9244.1	9327.4	9386.1	9474.5	9537.6
17.5°	7718.8	7781.1	7809.2	7893.4	7948.3	8055.4	8132.4	8259.4	8356.5	8497.6	8609.4
20°	6334.4	6403.6	6441.7	6537.7	6602.6	6727.6	6823.8	6979.8	7109.9	7288.7	7441.5
22.5°	4995.1	5060.9	5103.2	5200.9	5273.9	5404.3	5511.9	5676.5	5822.3	6023.6	6206.9
25°	3835.2	3895.6	3933.8	4022.2	4090.8	4210.6	4313.3	4471.6	4614.3	4816.3	5004.2
27.5°	2932.0	2982.5	3019.4	3094.8	3155.2	3256.8	3345.1	3476.0	3598.9	3773.6	3941.0
30°	2244.7	2289.5	2325.4	2391.0	2447.1	2535.2	2612.8	2722.7	2824.4	2963.4	3096.6
32.5°	1715.3	1753.8	1785.8	1843.3	1894.1	1973.4	2043.4	2139.8	2227.0	2344.9	2454.5
35°	1307.8	1383.7	1378.3	1457.6	1470.3	1527.3	1589.7	1673.9	1751.2	1851.5	1944.7
37.5°	1015.1	1036.5	1059.3	1094.3	1131.2	1182.9	1235.7	1338.6	1376.4	1452.1	1529.2
40°	818.6	833.0	848.1	871.8	897.5	934.1	972.4	1021.5	1071.8	1133.3	1196.1
42.5°	692.1	700.2	709.8	723.7	739.7	762.8	788.4	821.7	856.8	900.0	944.1
45°	618.3	614.4	617.3	624.7	634.3	648.4	664.6	685.2	708.0	736.0	765.8
47.5°	549.6	551.1	552.0	556.0	561.2	570.6	580.4	594.5	621.5	629.6	645.9
50°	504.2	504.9	504.6	506.7	509.4	515.4	521.8	531.3	540.7	553.3	565.3
52.5°	466.1	467.1	467.0	468.4	469.8	473.6	477.6	484.3	490.6	498.6	505.4
55°	436.0	437.5	438.1	439.2	439.9	441.9	443.6	446.7	449.4	453.9	458.1
57.5°	412.9	414.9	415.8	416.3	415.5	415.4	414.8	415.5	416.0	418.5	420.8
60°	394.7	396.3	396.6	396.3	394.9	393.8	392.1	391.5	391.3	392.4	393.7
62.5°	375.7	376.3	375.9	375.4	373.7	372.7	370.9	370.2	369.6	370.5	371.1
65°	349.4	349.8	349.4	349.0	347.6	346.7	345.2	344.7	343.9	344.0	344.0
67.5°	327.9	328.5	328.1	327.6	326.6	326.1	325.0	324.3	323.3	322.8	322.1
70°	306.6	307.0	306.4	306.0	304.8	304.3	303.3	303.1	302.3	302.1	301.3
72.5°	282.0	282.1	281.2	281.1	280.1	280.1	279.7	280.1	280.1	280.4	280.2
75°	257.0	256.7	255.6	255.4	254.7	255.0	254.6	255.2	255.2	256.1	256.3
77.5°	231.8	230.6	228.5	227.6	226.2	226.0	225.2	225.8	225.6	226.7	227.1
80°	200.1	198.5	195.9	194.7	193.0	192.8	192.1	192.8	192.4	193.7	194.6
82.5°	159.8	158.3	155.7	154.7	152.8	153.0	152.2	153.0	152.9	154.7	155.8
85°	118.2	117.3	114.5	112.0	109.3	107.7	106.1	105.9	105.3	106.1	106.8
87.5°	68.2	67.4	65.3	63.8	59.0	59.2	57.3	57.2	56.7	56.3	57.3
90°	25.2	27.5	28.3	30.5	31.4	33.7	34.7	37.0	38.2	40.7	42.1
92.5°	25.9	27.6	29.5	31.2	33.0	34.7	36.5	38.2	42.1	45.8	49.7
95°	36.3	38.4	40.4	42.5	44.5	46.6	48.6	50.7	56.3	61.8	67.4
97.5°	52.3	53.7	55.0	56.4	57.7	59.1	60.5	61.8	67.8	73.8	79.8
100°	67.8	68.9	70.0	71.1	72.1	73.2	74.3	75.4	87.1	98.6	110.2
102.5°	108.1	112.7	117.4	122.0	126.7	131.3	135.9	140.6	167.1	193.7	220.2
105°	203.9	216.6	229.4	242.0	254.7	267.4	280.0	292.7	335.2	377.6	420.2
107.5°	376.9	396.9	416.9	437.0	457.1	477.0	497.0	517.2	558.5	600.0	641.3
110°	576.2	595.2	614.2	633.4	652.5	671.5	690.6	709.7	734.6	759.3	784.2



TEST NUMBER: P1444717
 CATALOG NUMBER: EHBR1-12-UNV-TA-L935-UPL24

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	718.4	727.7	736.9	746.4	755.6	764.9	774.2	783.5	795.8	808.2	820.6
115°	761.5	762.0	762.6	763.2	763.8	764.4	765.0	765.7	769.6	773.3	777.2
117.5°	724.7	719.6	714.5	709.3	704.2	699.1	694.1	689.1	688.1	687.2	686.3
120°	650.7	643.8	637.0	630.0	623.3	616.4	609.7	602.9	599.3	595.6	592.1
122.5°	561.9	554.9	548.2	541.4	534.6	527.8	521.1	514.3	511.7	509.1	506.5
125°	478.0	472.3	466.6	460.8	455.2	449.5	444.0	438.4	437.9	437.5	437.1
127.5°	410.0	406.4	403.0	399.4	396.0	392.5	389.2	385.7	386.9	388.0	389.2
130°	362.5	360.8	359.4	357.6	356.3	354.7	353.3	351.7	354.0	356.2	358.5
132.5°	333.5	333.2	332.8	332.4	332.2	332.0	331.7	331.5	334.2	336.8	339.4
135°	315.9	316.1	316.6	316.9	317.4	317.7	318.2	318.6	321.2	323.7	326.2
137.5°	306.3	306.8	307.5	308.1	308.8	309.4	310.2	310.9	312.9	314.8	316.8
140°	300.9	301.3	301.8	302.3	302.8	303.3	304.0	304.4	306.0	307.5	309.0
142.5°	295.8	296.2	296.7	297.2	297.7	298.2	298.7	299.3	300.4	301.4	302.5
145°	294.1	294.4	294.6	295.0	295.3	295.7	296.0	296.5	297.1	297.6	298.3
147.5°	289.8	289.9	290.1	290.3	290.6	290.8	290.9	291.1	291.5	291.7	292.2
150°	284.3	284.3	284.3	284.3	284.3	284.4	284.5	284.5	284.8	285.1	285.4
152.5°	276.4	276.4	276.3	276.3	276.3	276.4	276.3	276.4	276.7	277.1	277.3
155°	269.9	270.0	270.2	270.3	270.4	270.5	270.7	270.8	271.0	271.1	271.3
157.5°	265.4	265.5	265.6	265.7	265.9	266.0	266.1	266.3	266.5	266.6	266.6
160°	260.9	261.3	261.5	261.8	262.0	262.3	262.6	262.8	263.0	263.1	263.3
162.5°	259.7	259.8	259.9	260.0	260.1	260.3	260.4	260.6	260.9	261.1	261.4
165°	257.6	257.9	258.2	258.3	258.7	258.9	259.2	259.5	259.6	259.7	259.8
167.5°	257.7	257.9	258.2	258.5	258.8	259.0	259.3	259.6	259.7	259.8	259.9
170°	256.6	256.9	257.0	257.3	257.5	257.8	258.0	258.2	258.5	258.8	258.9
172.5°	257.8	257.9	258.1	258.3	258.5	258.8	258.9	259.2	259.4	259.7	259.8
175°	258.5	258.5	258.5	258.6	258.6	258.6	258.6	258.7	258.8	258.8	258.8
177.5°	258.3	258.4	258.6	258.7	258.8	258.9	259.1	259.2	259.2	259.2	259.2
180°	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9



TEST NUMBER: P1444717
 CATALOG NUMBER: EHBR1-12-UNV-TA-L935-UPL24

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9
2.5°	9708.6	9709.1	9701.3	9700.8	9693.5	9692.6	9685.4	9683.2	9677.4	9675.3	9669.4
5°	10003.2	9993.6	9971.6	9958.7	9936.8	9922.4	9898.8	9883.4	9860.7	9843.5	9820.6
7.5°	10301.1	10286.3	10261.5	10241.4	10211.2	10187.1	10151.8	10122.8	10084.5	10051.3	10011.0
10°	10388.4	10386.2	10379.8	10370.7	10356.6	10340.9	10316.7	10291.6	10258.1	10221.6	10176.9
12.5°	10173.5	10196.7	10228.4	10247.1	10269.9	10279.9	10289.3	10286.9	10280.8	10262.4	10236.5
15°	9628.9	9694.1	9780.5	9847.4	9924.5	9980.4	10042.2	10080.7	10119.2	10136.9	10147.8
17.5°	8762.6	8886.1	9041.0	9169.3	9317.4	9436.4	9566.8	9664.9	9765.9	9838.2	9903.5
20°	7649.9	7828.8	8047.8	8241.3	8466.4	8661.9	8876.2	9052.1	9233.5	9375.3	9509.7
22.5°	6442.9	6655.4	6920.3	7165.5	7455.6	7716.3	8010.5	8266.4	8533.7	8757.0	8972.9
25°	5256.1	5489.1	5778.7	6052.4	6380.9	6684.2	7033.0	7352.1	7697.5	7997.4	8293.7
27.5°	4172.3	4401.1	4696.8	4988.1	5335.5	5658.6	6032.3	6383.9	6777.3	7140.0	7511.0
30°	3281.5	3475.6	3740.7	4022.9	4365.5	4694.3	5072.2	5433.6	5842.8	6238.9	6656.9
32.5°	2599.9	2747.7	2956.2	3194.7	3510.8	3823.9	4183.6	4532.6	4935.6	5335.7	5770.4
35°	2064.8	2180.1	2339.0	2525.2	2792.9	3062.8	3381.0	3698.3	4074.2	4453.9	4876.4
37.5°	1628.2	1721.8	1846.2	1986.1	2200.8	2422.3	2683.2	2946.3	3272.9	3609.5	3992.4
40°	1271.4	1347.2	1444.1	1548.4	1710.5	1881.2	2082.9	2286.9	2549.4	2824.5	3141.3
42.5°	998.8	1054.7	1123.1	1199.3	1350.6	1441.2	1578.1	1725.7	1918.6	2118.3	2356.5
45°	802.1	840.3	887.7	938.9	1009.1	1085.9	1179.6	1277.9	1461.2	1551.1	1696.0
47.5°	669.9	695.4	725.7	757.9	799.3	844.0	899.5	956.4	1029.9	1106.0	1195.3
50°	580.8	606.8	617.2	633.9	657.8	683.4	714.7	746.0	785.4	825.4	871.3
52.5°	514.7	523.1	534.5	545.1	559.8	588.9	598.4	614.7	636.8	658.4	682.6
55°	464.1	469.7	477.0	483.4	492.4	501.0	513.3	524.3	539.0	552.0	568.1
57.5°	424.9	428.4	433.5	437.7	443.5	448.4	455.6	461.5	470.0	477.4	487.1
60°	396.3	398.7	402.0	404.9	408.5	411.0	414.6	417.5	421.9	425.6	431.1
62.5°	373.0	374.2	376.5	378.0	380.4	381.7	383.6	384.8	387.3	389.2	392.2
65°	345.0	345.3	346.8	347.5	349.3	350.0	351.6	352.1	354.2	355.6	358.2
67.5°	322.1	321.5	321.5	320.9	321.2	320.7	320.8	320.2	321.0	321.5	323.5
70°	301.2	300.3	300.0	299.0	298.7	297.7	297.5	296.6	296.5	296.2	296.9
72.5°	280.8	280.5	280.6	279.9	279.8	279.1	279.1	278.8	279.2	279.4	280.3
75°	257.3	257.3	257.9	257.2	257.4	256.9	257.0	256.5	256.8	256.7	257.6
77.5°	228.8	229.4	230.7	230.4	230.8	230.1	230.4	229.7	229.9	229.4	229.8
80°	196.6	198.0	199.7	199.7	200.4	199.8	200.5	199.8	200.1	199.2	199.0
82.5°	158.5	159.7	161.5	161.5	163.1	163.4	165.1	165.0	166.1	165.5	165.0
85°	108.3	109.1	110.8	111.6	113.2	114.2	115.8	116.6	115.3	117.6	115.8
87.5°	56.6	58.6	57.5	60.3	59.6	62.4	61.8	64.3	63.8	66.1	65.8
90°	45.0	46.5	49.4	51.0	54.4	56.3	55.8	53.7	53.3	51.2	50.8
92.5°	53.4	57.4	61.2	65.0	68.8	72.6	69.1	65.5	62.0	58.5	54.9
95°	73.0	78.6	84.1	89.7	95.3	100.9	94.9	88.9	82.9	76.9	70.9
97.5°	85.7	91.8	97.8	103.8	109.8	115.7	108.7	101.6	94.5	87.6	80.4
100°	121.8	133.3	144.9	156.5	168.1	179.7	166.5	153.4	140.2	127.0	113.8
102.5°	246.9	273.3	299.9	326.6	353.1	379.7	351.7	323.7	295.6	267.6	239.5
105°	462.6	505.2	547.6	590.2	632.6	675.2	629.8	584.4	538.9	493.6	448.1
107.5°	682.8	724.2	765.8	807.1	848.6	890.0	844.0	797.8	751.8	705.8	659.6
110°	809.1	833.9	858.7	883.7	908.5	933.4	899.8	866.1	832.5	798.7	765.0



TEST NUMBER: P1444717
 CATALOG NUMBER: EHBR1-12-UNV-TA-L935-UPL24

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	832.9	845.3	857.7	870.2	882.5	894.9	870.8	846.7	822.5	798.5	774.3
115°	781.0	784.8	788.6	792.5	796.3	800.2	783.8	767.5	751.2	734.9	718.4
117.5°	685.4	684.6	683.6	682.8	681.8	681.0	671.8	662.6	653.3	644.1	634.8
120°	588.6	584.9	581.3	577.8	574.2	570.6	566.5	562.6	558.5	554.5	550.3
122.5°	503.9	501.4	498.8	496.2	493.6	491.0	489.2	487.6	485.9	484.2	482.4
125°	436.9	436.4	436.0	435.6	435.2	434.8	433.8	432.8	431.8	430.8	429.7
127.5°	390.3	391.4	392.5	393.7	394.8	395.9	395.3	395.1	394.5	394.2	393.6
130°	360.7	363.0	365.2	367.4	369.5	371.8	371.1	370.4	369.6	369.0	368.2
132.5°	342.1	344.7	347.3	349.9	352.6	355.1	354.3	353.5	352.6	351.8	351.0
135°	328.6	331.3	333.7	336.2	338.6	341.1	340.1	339.1	338.1	337.2	336.2
137.5°	318.7	320.7	322.5	324.4	326.3	328.2	327.2	326.2	325.3	324.3	323.4
140°	310.5	312.0	313.4	314.9	316.4	317.8	316.7	315.6	314.4	313.3	312.1
142.5°	303.5	304.6	305.6	306.7	307.7	308.8	307.3	305.9	304.4	303.1	301.5
145°	299.0	299.5	300.2	300.8	301.4	302.0	300.3	298.8	297.1	295.6	293.9
147.5°	292.5	292.8	293.0	293.4	293.6	294.0	292.5	290.9	289.5	287.9	286.4
150°	285.7	286.0	286.3	286.5	286.9	287.0	285.5	284.0	282.4	280.9	279.4
152.5°	277.6	277.9	278.2	278.3	278.6	278.8	277.4	276.0	274.6	273.1	271.7
155°	271.4	271.5	271.6	271.7	271.8	271.9	270.6	269.5	268.4	267.2	265.9
157.5°	266.7	266.9	267.0	267.1	267.2	267.3	266.3	265.5	264.5	263.7	262.7
160°	263.4	263.5	263.6	263.7	263.7	263.8	263.0	262.3	261.6	260.8	259.9
162.5°	261.6	261.9	262.1	262.3	262.6	262.7	261.8	261.0	260.0	259.1	258.1
165°	259.9	260.0	260.1	260.2	260.3	260.4	259.8	259.1	258.5	257.9	257.2
167.5°	260.0	260.1	260.2	260.3	260.3	260.4	259.8	259.2	258.5	257.9	257.1
170°	259.2	259.4	259.7	259.8	260.0	260.1	259.7	259.1	258.6	258.1	257.6
172.5°	260.0	260.2	260.4	260.6	260.8	260.9	260.4	259.8	259.3	258.8	258.2
175°	258.8	258.8	258.9	258.9	258.9	258.9	258.6	258.1	257.8	257.3	256.9
177.5°	259.2	259.2	259.2	259.2	259.2	259.2	258.9	258.7	258.4	258.1	257.8
180°	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9



TEST NUMBER: P1444717
 CATALOG NUMBER: EHBR1-12-UNV-TA-L935-UPL24

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9	9606.9
2.5°	9667.3	9663.1	9660.4	9656.9	9654.9	9652.1	9650.2	9648.5	9647.1	9645.9	9645.0
5°	9803.2	9781.6	9764.9	9746.7	9731.8	9716.8	9705.4	9695.9	9689.4	9684.4	9681.5
7.5°	9976.3	9936.7	9901.6	9864.5	9831.3	9798.7	9770.6	9746.3	9728.1	9716.3	9709.2
10°	10130.9	10077.9	10025.5	9970.4	9918.1	9867.5	9820.6	9779.5	9746.9	9725.3	9712.7
12.5°	10200.1	10155.1	10101.6	10041.7	9977.7	9912.9	9849.7	9792.7	9744.9	9712.9	9694.3
15°	10139.1	10120.6	10084.3	10037.9	9977.1	9910.1	9835.9	9766.1	9702.1	9660.5	9636.4
17.5°	9940.6	9966.4	9963.7	9946.0	9902.2	9845.8	9770.2	9691.9	9611.7	9556.2	9525.8
20°	9605.6	9686.9	9728.1	9749.3	9732.1	9695.5	9627.1	9547.6	9454.2	9381.6	9337.3
22.5°	9134.9	9278.4	9367.8	9433.2	9447.0	9434.6	9374.2	9298.6	9194.3	9107.2	9041.7
25°	8528.9	8739.1	8880.4	8991.1	9034.2	9045.3	8993.9	8918.7	8802.5	8700.9	8611.0
27.5°	7815.2	8088.3	8276.9	8425.7	8492.9	8522.0	8474.7	8398.0	8260.6	8139.3	8021.9
30°	7011.6	7335.6	7562.8	7741.2	7823.1	7861.6	7811.3	7725.7	7565.8	7419.8	7271.9
32.5°	6151.5	6506.1	6753.6	6947.4	7028.5	7064.7	6998.9	6902.9	6718.0	6546.1	6373.6
35°	5251.1	5608.9	5858.5	6047.2	6115.2	6137.0	6052.9	5941.8	5737.0	5548.3	5360.2
37.5°	4332.3	4665.2	4892.1	5061.3	5103.4	5107.2	5005.8	4883.1	4667.9	4481.8	4294.6
40°	3421.4	3702.2	3885.3	4020.8	4035.4	4022.4	3912.3	3788.7	3587.3	3420.7	3256.3
42.5°	2563.4	2775.4	2906.1	2998.9	2993.3	2967.6	2866.6	2760.4	2594.3	2467.3	2338.1
45°	1828.3	1968.1	2044.5	2098.9	2081.4	2056.8	1978.2	1903.8	1790.9	1708.9	1622.1
47.5°	1270.2	1437.1	1408.0	1514.3	1422.8	1483.2	1357.3	1287.9	1228.0	1184.4	1135.3
50°	909.3	947.6	966.1	978.7	971.9	962.7	940.0	919.8	892.5	872.5	849.2
52.5°	702.2	721.3	731.9	739.5	737.9	734.6	724.7	715.7	702.9	694.4	684.3
55°	594.8	595.1	614.4	606.2	618.3	604.1	609.7	593.8	596.4	582.8	573.6
57.5°	494.3	502.1	505.6	509.1	508.1	507.5	503.7	501.7	497.5	496.1	493.0
60°	434.8	438.9	439.8	441.3	440.0	439.5	436.5	435.4	432.6	432.0	430.0
62.5°	394.0	396.1	396.1	396.1	394.4	392.7	389.4	387.7	385.3	384.7	383.6
65°	360.0	362.2	362.5	363.0	361.7	360.4	357.5	355.6	353.1	352.1	350.7
67.5°	324.8	327.1	327.9	329.1	328.4	328.1	326.1	325.4	323.7	323.3	322.1
70°	297.2	298.2	298.1	298.1	296.6	295.1	292.8	291.7	289.9	289.6	288.5
72.5°	280.8	281.5	281.1	280.4	278.4	276.3	273.6	271.6	269.4	268.0	266.4
75°	257.7	258.6	258.0	257.7	255.9	254.5	252.3	251.2	249.6	249.1	248.1
77.5°	229.3	229.8	228.8	228.8	227.3	226.5	224.9	224.6	223.4	223.4	222.3
80°	197.8	197.5	196.0	195.7	194.3	194.0	192.7	192.8	191.9	192.2	191.5
82.5°	162.7	161.8	159.9	159.3	157.7	157.5	156.7	157.4	156.8	157.7	157.2
85°	116.6	116.8	116.0	116.0	115.6	115.6	115.6	116.1	116.2	117.0	116.9
87.5°	65.0	66.0	65.8	66.6	66.6	67.5	67.9	69.2	69.4	70.8	70.8
90°	48.7	48.4	46.3	46.0	45.0	45.6	44.9	45.5	44.5	45.0	43.7
92.5°	51.4	47.9	44.3	40.8	39.0	37.2	35.5	33.6	31.9	30.1	28.3
95°	64.9	58.9	52.9	46.9	44.9	42.9	40.8	38.8	36.7	34.7	32.6
97.5°	73.3	66.3	59.2	52.1	50.3	48.6	46.7	45.0	43.1	41.4	39.6
100°	100.6	87.4	74.2	61.0	59.5	58.0	56.5	55.0	53.5	51.9	50.4
102.5°	211.6	183.6	155.5	127.5	122.2	116.9	111.6	106.1	100.9	95.5	90.2
105°	402.8	357.3	311.9	266.4	252.0	237.5	223.0	208.6	194.2	179.8	165.3
107.5°	613.5	567.4	521.3	475.2	448.5	421.8	395.2	368.4	341.8	315.0	288.4
110°	731.3	697.6	663.9	630.2	608.8	587.3	565.7	544.3	522.8	501.3	479.7



TEST NUMBER: P1444717
 CATALOG NUMBER: EHBR1-12-UNV-TA-L935-UPL24

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	750.2	726.0	701.8	677.6	667.9	658.1	648.4	638.6	628.7	618.9	609.1
115°	702.0	685.7	669.3	652.8	649.4	645.9	642.5	639.0	635.4	631.9	628.4
117.5°	625.6	616.3	607.1	597.8	598.2	598.7	599.2	599.7	600.1	600.5	600.9
120°	546.3	542.3	538.2	534.1	536.9	539.7	542.6	545.3	548.2	551.0	553.7
122.5°	480.7	479.0	477.3	475.5	478.9	482.3	485.7	489.1	492.4	495.7	498.9
125°	428.8	427.7	426.7	425.6	429.1	432.5	435.9	439.2	442.7	446.0	449.3
127.5°	393.3	392.7	392.3	391.8	394.3	396.5	398.9	401.1	403.5	405.7	407.9
130°	367.6	366.8	366.2	365.4	367.5	369.6	371.7	373.7	375.9	377.8	379.7
132.5°	350.2	349.3	348.5	347.7	349.1	350.5	352.0	353.2	354.6	355.8	357.1
135°	335.3	334.3	333.3	332.4	333.6	335.0	336.2	337.4	338.6	339.7	340.9
137.5°	322.4	321.4	320.4	319.4	320.6	321.7	322.8	323.9	324.9	326.0	326.9
140°	311.1	309.9	308.8	307.6	308.6	309.6	310.6	311.6	312.5	313.3	314.2
142.5°	300.1	298.5	297.3	295.7	296.5	297.2	297.8	298.5	299.3	299.8	300.4
145°	292.4	290.7	289.1	287.5	288.0	288.5	289.1	289.6	290.1	290.5	290.9
147.5°	284.9	283.4	281.9	280.3	280.8	281.1	281.5	281.8	282.2	282.5	282.8
150°	277.8	276.2	274.7	273.1	273.4	273.8	274.1	274.4	274.7	275.0	275.3
152.5°	270.2	268.8	267.3	265.8	266.1	266.4	266.6	266.9	267.2	267.5	267.6
155°	264.7	263.5	262.3	261.0	261.3	261.6	261.8	262.0	262.2	262.5	262.7
157.5°	261.7	260.7	259.8	258.8	258.9	258.9	259.1	259.0	259.2	259.2	259.3
160°	259.1	258.3	257.5	256.6	256.6	256.8	256.8	256.9	256.9	256.9	256.9
162.5°	257.2	256.2	255.3	254.3	254.4	254.4	254.6	254.5	254.6	254.6	254.6
165°	256.5	255.9	255.1	254.4	254.4	254.3	254.3	254.1	254.0	254.0	253.8
167.5°	256.5	255.8	255.1	254.3	254.5	254.5	254.6	254.6	254.8	254.7	254.8
170°	257.0	256.4	255.9	255.3	255.2	255.2	255.1	255.0	255.0	254.9	254.8
172.5°	257.7	257.1	256.6	255.9	255.9	255.9	255.9	255.8	255.7	255.6	255.6
175°	256.5	256.1	255.6	255.2	255.1	255.1	255.1	255.0	255.0	255.0	254.9
177.5°	257.5	257.2	256.9	256.7	256.6	256.6	256.6	256.5	256.5	256.5	256.5
180°	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9



TEST NUMBER: P1444717
 CATALOG NUMBER: EHBR1-12-UNV-TA-L935-UPL24

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	9606.9	9606.9
2.5°	9644.2	9643.6
5°	9680.0	9679.4
7.5°	9707.2	9707.1
10°	9710.5	9712.1
12.5°	9691.1	9692.5
15°	9634.6	9637.2
17.5°	9526.3	9529.8
20°	9340.0	9343.6
22.5°	9038.2	9039.7
25°	8599.4	8593.3
27.5°	8001.3	7990.6
30°	7240.9	7230.5
32.5°	6334.3	6327.8
35°	5313.8	5309.7
37.5°	4239.4	4231.0
40°	3196.3	3172.0
42.5°	2281.4	2238.8
45°	1576.7	1526.2
47.5°	1100.6	1069.5
50°	834.3	824.2
52.5°	679.8	677.5
55°	573.6	572.5
57.5°	493.8	493.4
60°	431.1	431.0
62.5°	384.3	384.5
65°	351.4	351.5
67.5°	322.4	322.2
70°	288.9	288.7
72.5°	265.8	265.5
75°	248.1	247.8
77.5°	222.7	222.3
80°	192.0	191.5
82.5°	157.9	157.3
85°	117.8	117.8
87.5°	72.1	72.1
90°	44.0	42.6
92.5°	26.6	24.9
95°	30.6	28.5
97.5°	37.9	36.1
100°	48.9	47.4
102.5°	84.9	79.6
105°	150.9	136.5
107.5°	261.7	235.0
110°	458.2	436.8



TEST NUMBER: P1444717
CATALOG NUMBER: EHBR1-12-UNV-TA-L935-UPL24

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	599.4	589.6
115°	624.8	621.3
117.5°	601.3	601.7
120°	556.3	559.0
122.5°	502.2	505.4
125°	452.4	455.7
127.5°	410.0	412.1
130°	381.4	383.3
132.5°	358.3	359.4
135°	341.9	342.9
137.5°	327.8	328.6
140°	314.9	315.7
142.5°	300.9	301.4
145°	291.3	291.7
147.5°	282.9	283.1
150°	275.4	275.6
152.5°	267.8	268.0
155°	262.7	262.9
157.5°	259.2	259.2
160°	256.9	256.9
162.5°	254.6	254.6
165°	253.6	253.5
167.5°	254.7	254.8
170°	254.7	254.6
172.5°	255.5	255.4
175°	254.9	254.9
177.5°	256.5	256.4
180°	257.9	257.9

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

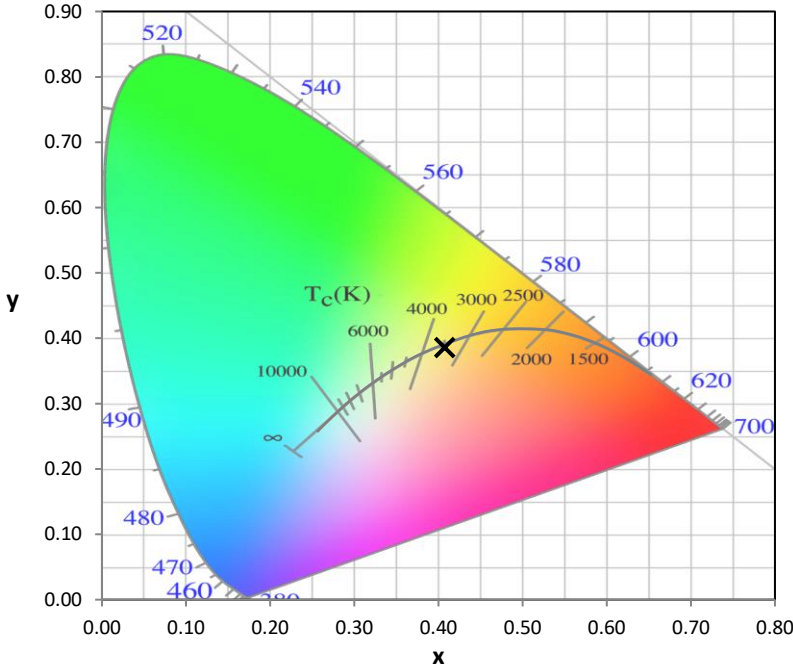
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.0

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

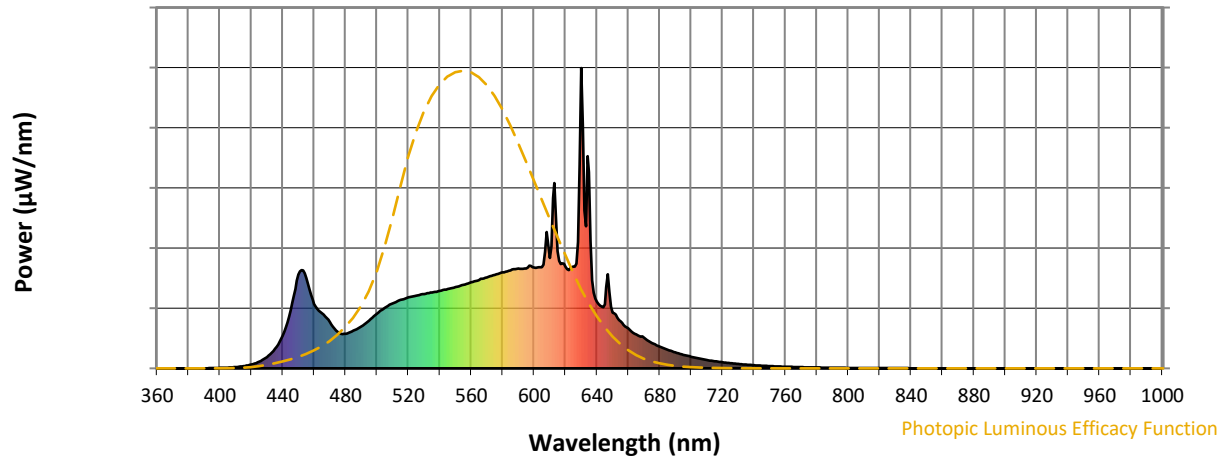


CCT = 3406K
 CIE x = 0.4076
 CIE y = 0.3856
 Duv = -0.0028

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-6

Photopic Flux vs. Wavelength

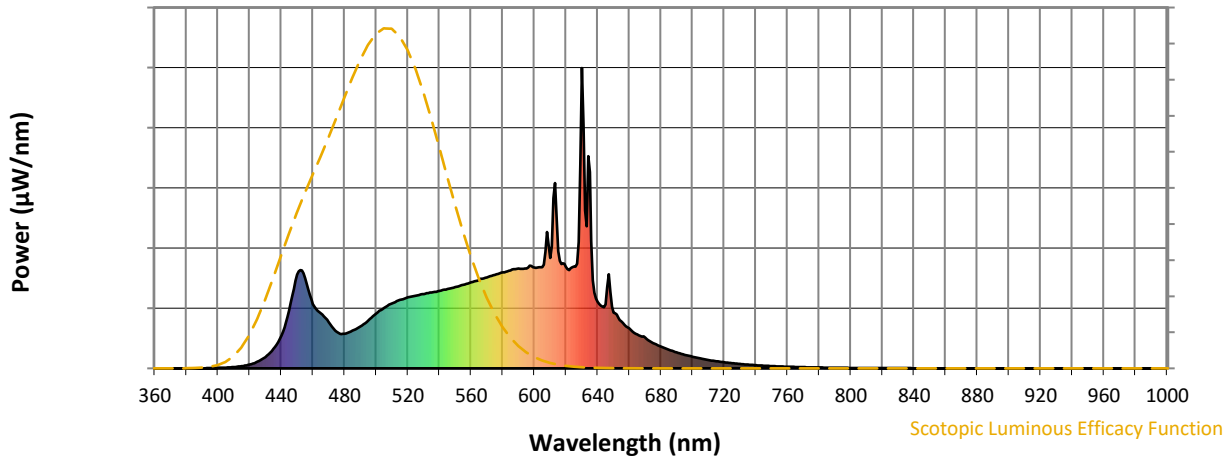


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2506-472-6

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

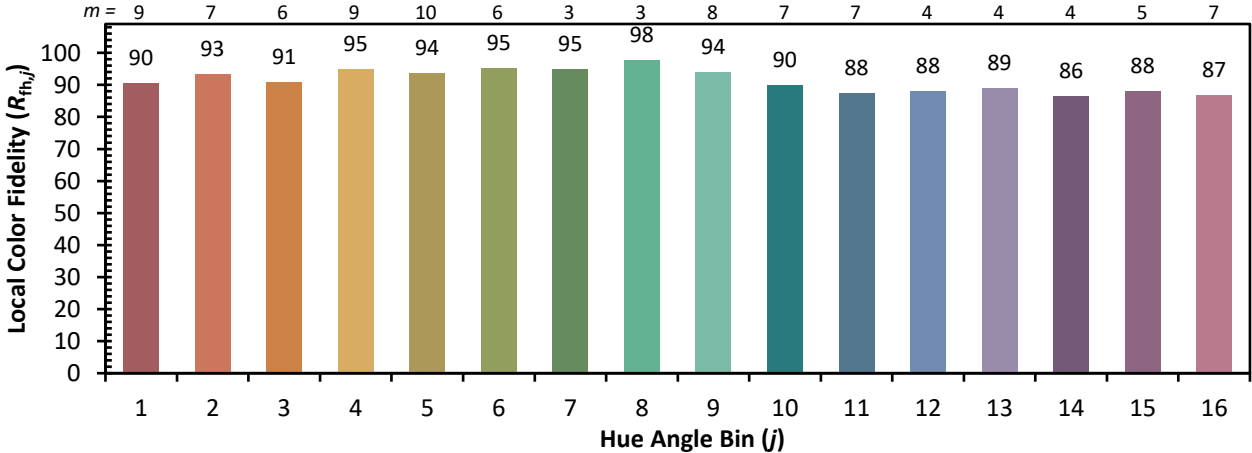


Individual Sample Fidelity Index ($R_{f,i}$)

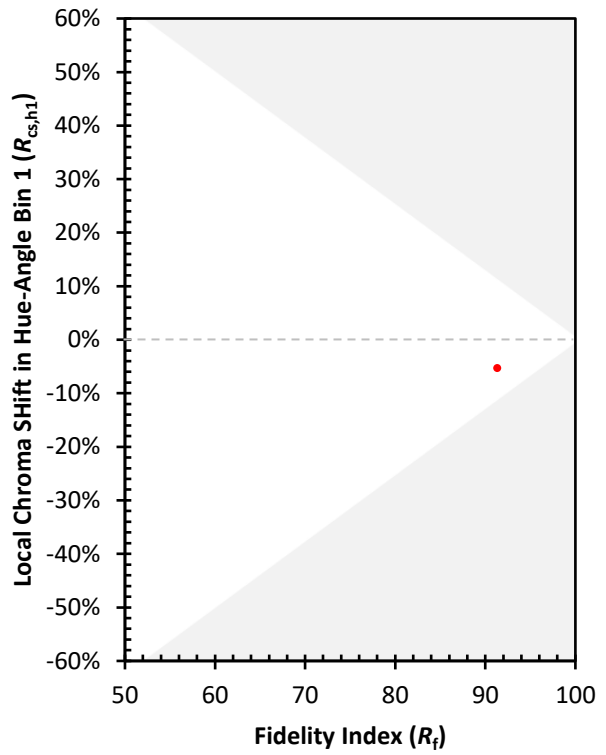
CES01 = 86	CES26 = 94	CES51 = 97	CES76 = 90
CES02 = 63	CES27 = 92	CES52 = 98	CES77 = 86
CES03 = 31	CES28 = 97	CES53 = 98	CES78 = 86
CES04 = 70	CES29 = 97	CES54 = 93	CES79 = 90
CES05 = 50	CES30 = 92	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 97	CES56 = 96	CES81 = 74
CES07 = 43	CES32 = 89	CES57 = 94	CES82 = 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)