

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: P1444792

Luminaire Tested: EHBR1-12-UNV-TA-L940-UPL40

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444792
REPORT IS A COMBINATION OF REPORTS P1444354 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-12-UNV-TA-L940-UPL40
Description: Elevate Round Highbay at, 12000 lumens, 4000K 90CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

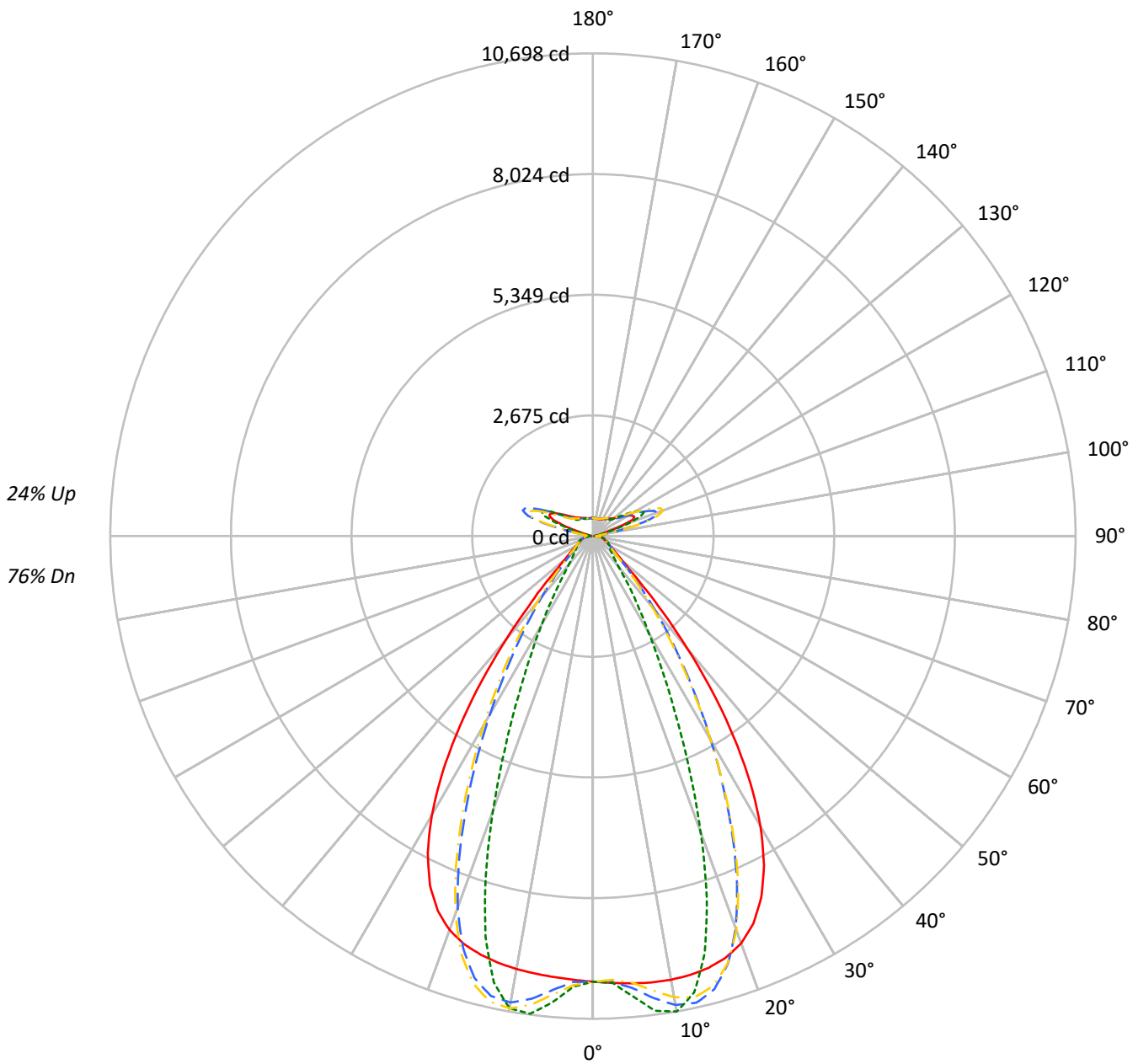
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15047.0 lumens
Efficiency: N/A
Efficacy: 157.9 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 0.77 / 0.88
Luminous Opening: Vertical Cylinder (Dia: 1.71' x H: 0.1')
CIE Type: Semi-Direct

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

TEST NUMBER: P1444792
CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL40

Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	46375	46375	46375	46375
5°	46600	47959	45947	48587
10°	46989	50353	45862	50020
15°	47219	45645	45782	43807
20°	46731	34003	45202	31462
25°	44233	21505	42771	19512
30°	38641	12923	37144	11810
35°	29738	8109	28028	7183
40°	18812	5087	17212	4780
45°	9696	3963	9535	3898
50°	5685	3525	5510	3470
55°	4355	3334	4194	3305
60°	3685	3407	3529	3362
65°	3461	3558	3328	3437
70°	3381	3724	3213	3584
75°	3616	3951	3420	3776
80°	3743	4374	3391	3994
85°	3523	4222	2846	3614

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 14839 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	973.2	6.5
10°-20°	2737.8	18.2
20°-30°	3118.1	20.7
30°-40°	2241.2	14.9
40°-50°	1033.6	6.9
50°-60°	494.6	3.3
60°-70°	360.9	2.4
70°-80°	274.2	1.8
80°-90°	131.1	0.9
90°-100°	99.2	0.7
100°-110°	632.9	4.2
110°-120°	1170.4	7.8
120°-130°	699.6	4.6
130°-140°	428.4	2.8
140°-150°	300.8	2.0
150°-160°	198.6	1.3
160°-170°	114.3	0.8
170°-180°	38.0	0.3
0°-30°	6829.2	45.4
0°-40°	9070.4	60.3
0°-60°	10598.6	70.4
0°-90°	11364.8	75.5
90°-120°	1902.4	12.6
90°-150°	3331.2	22.1
90°-180°	3682.0	24.5
0°-180°	15047.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	9875	9875	9875	9875	9875	
5°	9950	10240	9810	10374	9950	951
15°	9906	9576	9605	9190	9906	2791
25°	8833	4295	8541	3897	8833	4004
35°	5458	1488	5144	1318	5458	3350
45°	1569	641	1543	631	1569	1334
55°	588	451	567	447	588	543
65°	361	371	347	359	361	361
75°	255	278	241	266	255	265
85°	121	145	98	124	121	114
90°	54	62	30	32	54	30
95°	46	52	46	52	46	44
105°	222	291	146	291	222	296
115°	1014	1244	1063	1244	1014	935
125°	739	798	840	799	739	674
135°	550	509	595	510	550	430
145°	462	467	495	469	462	293
155°	412	423	443	425	412	192
165°	394	400	410	400	394	112
175°	394	399	402	400	394	38
180°	398	398	398	398	398	



TEST NUMBER: P1444792
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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3
2.5°	9913.0	9912.2	9912.1	9911.4	9911.2	9911.2	9910.8	9910.0	9909.5	9908.4	9907.1
5°	9949.8	9949.3	9949.6	9949.7	9948.9	9947.5	9945.0	9942.1	9938.3	9934.8	9931.7
7.5°	9978.2	9978.9	9979.8	9979.6	9977.5	9973.8	9968.9	9966.1	9967.8	9973.2	9985.5
10°	9983.4	9987.7	9989.3	9988.8	9984.5	9981.4	9982.6	9993.0	10013.9	10041.6	10079.7
12.5°	9963.2	9968.4	9968.2	9966.5	9962.3	9966.6	9981.7	10012.9	10057.5	10112.3	10176.6
15°	9906.4	9913.1	9911.2	9909.0	9906.2	9920.1	9950.3	10004.5	10073.4	10150.7	10229.7
17.5°	9796.0	9804.2	9800.2	9797.7	9795.3	9821.4	9873.5	9952.7	10039.5	10126.9	10201.9
20°	9604.6	9610.0	9600.6	9596.2	9600.0	9651.1	9727.8	9829.0	9920.4	10003.1	10054.3
22.5°	9292.2	9299.0	9281.3	9279.3	9301.1	9379.7	9476.6	9589.7	9675.7	9741.3	9760.9
25°	8833.3	8839.9	8819.0	8831.4	8868.6	8975.8	9091.2	9212.1	9285.5	9334.1	9320.6
27.5°	8213.8	8219.9	8200.0	8225.6	8284.3	8425.0	8560.9	8692.1	8757.5	8791.5	8748.4
30°	7432.5	7445.2	7421.6	7457.4	7546.9	7729.7	7885.4	8032.5	8097.7	8123.6	8056.5
32.5°	6504.6	6522.5	6496.6	6549.8	6674.8	6894.3	7071.1	7235.5	7307.6	7337.2	7261.4
35°	5458.0	5483.8	5454.0	5533.9	5688.0	5932.4	6128.3	6311.8	6397.2	6439.1	6362.8
37.5°	4349.2	4373.8	4357.7	4464.2	4633.4	4886.8	5086.7	5284.7	5381.2	5444.0	5383.8
40°	3260.6	3283.1	3295.2	3417.1	3576.3	3815.1	4007.0	4202.9	4310.9	4389.7	4352.6
42.5°	2301.4	2324.0	2365.4	2483.0	2615.7	2813.4	2977.8	3153.7	3256.8	3341.0	3326.6
45°	1568.8	1595.1	1647.0	1743.2	1839.3	1981.1	2101.8	2238.7	2322.9	2399.9	2400.9
47.5°	1099.3	1117.8	1164.2	1229.9	1292.5	1470.0	1477.3	1544.6	1601.1	1658.8	1666.2
50°	847.2	858.3	882.9	919.6	955.0	1001.1	1043.3	1092.1	1126.9	1158.5	1166.0
52.5°	696.4	703.4	716.0	735.8	756.3	781.5	804.0	830.7	849.8	866.6	870.2
55°	588.5	594.4	613.0	616.8	640.3	644.9	654.9	671.2	682.2	692.3	694.9
57.5°	507.2	511.5	515.4	523.9	531.1	541.7	550.1	561.8	568.8	576.0	576.7
60°	443.0	446.1	448.9	454.7	459.7	467.0	472.9	480.8	485.8	491.3	491.9
62.5°	395.2	397.4	399.3	403.2	406.7	412.3	417.0	423.6	428.3	432.5	433.4
65°	361.3	362.9	364.1	367.0	370.0	374.9	379.1	384.5	387.9	391.2	391.9
67.5°	331.2	332.7	334.0	336.6	338.7	342.4	345.2	349.3	351.8	354.4	354.5
70°	296.7	298.1	299.1	301.6	303.3	306.3	308.7	312.3	314.9	317.8	318.5
72.5°	272.9	273.7	274.9	277.3	279.6	282.9	285.9	289.7	292.9	296.0	297.2
75°	254.7	255.6	256.5	258.4	260.1	262.9	265.1	268.6	271.4	274.6	276.2
77.5°	228.5	229.7	230.4	232.3	233.7	236.4	238.0	241.2	243.4	246.4	247.8
80°	196.9	197.9	198.4	200.2	201.3	203.8	205.4	208.5	210.4	213.3	215.0
82.5°	161.7	162.8	163.0	164.8	165.4	167.4	168.6	171.7	174.0	177.9	180.5
85°	121.1	121.5	122.0	121.6	124.1	124.2	127.0	127.5	131.2	132.1	136.3
87.5°	74.1	75.2	75.6	77.3	78.1	79.7	80.3	82.1	83.1	85.2	86.1
90°	53.5	56.7	58.8	62.3	64.4	67.6	69.6	73.1	75.2	78.7	82.5
92.5°	39.8	42.7	45.5	48.5	51.4	54.6	57.6	60.7	63.5	66.6	72.5
95°	45.8	49.2	52.5	55.9	59.3	62.5	65.9	69.2	72.6	75.9	85.7
97.5°	58.0	60.9	63.8	66.7	69.6	72.6	75.5	78.4	81.2	84.1	95.8
100°	76.4	78.8	81.3	83.8	86.2	88.7	91.1	93.5	96.1	98.5	120.1
102.5°	129.0	137.7	146.5	155.1	163.8	172.5	181.2	189.9	198.6	207.3	253.1
105°	221.9	245.5	269.2	292.7	316.4	340.1	363.7	387.2	410.9	434.5	509.1
107.5°	383.1	426.7	470.4	514.2	557.9	601.6	645.3	689.0	732.6	776.3	852.0
110°	713.2	748.3	783.5	818.7	853.9	889.2	924.4	959.5	994.7	1029.9	1085.2



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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°	963.0	979.0	995.1	1011.0	1027.0	1043.1	1059.0	1074.9	1091.1	1107.0	1146.6
115°	1014.3	1020.0	1025.7	1031.4	1037.2	1043.0	1048.7	1054.3	1060.1	1065.7	1092.6
117.5°	981.5	980.7	980.0	979.2	978.3	977.6	976.8	975.9	975.2	974.3	989.6
120°	910.6	906.0	901.5	896.8	892.2	887.7	883.1	878.4	873.8	869.0	875.8
122.5°	821.9	816.4	811.0	805.4	799.9	794.3	788.8	783.1	777.6	772.1	775.0
125°	739.3	733.8	728.3	722.8	717.1	711.6	706.0	700.4	694.7	689.1	691.0
127.5°	666.8	663.1	659.3	655.5	651.8	647.9	644.0	640.2	636.4	632.5	633.3
130°	618.5	615.2	611.9	608.6	605.2	601.7	598.4	594.9	591.6	588.1	589.4
132.5°	578.2	576.0	573.9	571.6	569.3	566.9	564.8	562.2	560.0	557.7	559.1
135°	550.0	548.1	546.1	544.0	541.9	539.9	537.7	535.5	533.5	531.2	533.0
137.5°	525.7	524.0	522.2	520.4	518.6	516.6	514.7	512.9	510.9	509.0	510.6
140°	503.4	501.9	500.2	498.6	497.0	495.4	493.7	492.0	490.2	488.6	490.5
142.5°	478.9	477.7	476.7	475.4	474.4	473.1	471.9	470.6	469.4	468.1	470.5
145°	462.2	461.4	460.5	459.5	458.6	457.5	456.6	455.5	454.5	453.5	456.0
147.5°	447.5	446.8	446.2	445.5	444.9	444.0	443.3	442.5	441.8	440.9	443.4
150°	434.5	433.9	433.3	432.7	431.9	431.2	430.4	429.8	429.0	428.2	430.7
152.5°	421.4	420.7	420.2	419.5	418.9	418.1	417.5	416.7	416.0	415.2	417.4
155°	412.4	411.8	411.1	410.6	409.9	409.2	408.4	407.9	407.1	406.4	408.2
157.5°	405.6	405.3	404.9	404.4	404.0	403.5	403.0	402.6	402.1	401.7	403.0
160°	401.0	400.6	400.1	399.8	399.3	398.8	398.5	398.0	397.5	397.2	398.3
162.5°	396.4	396.0	395.6	395.2	394.7	394.3	393.8	393.4	393.0	392.5	393.9
165°	393.8	393.6	393.4	393.2	393.1	392.9	392.7	392.5	392.3	392.1	393.1
167.5°	395.1	394.7	394.4	394.0	393.5	393.2	392.8	392.4	392.0	391.6	392.6
170°	394.2	394.0	393.9	393.8	393.6	393.5	393.4	393.2	393.1	393.0	393.8
172.5°	395.0	394.8	394.7	394.7	394.6	394.5	394.4	394.3	394.2	394.1	394.9
175°	393.7	393.5	393.5	393.4	393.3	393.3	393.2	393.2	393.2	393.1	393.6
177.5°	396.0	395.9	395.9	395.9	395.9	395.9	395.9	395.8	395.8	395.8	396.2
180°	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4



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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°	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3
2.5°	9906.2	9905.0	9903.3	9901.2	9899.5	9897.3	9892.4	9890.9	9892.6	9893.7	9895.9
5°	9929.7	9930.4	9930.7	9935.2	9939.1	9948.8	10024.7	10054.9	10078.3	10093.1	10115.6
7.5°	10000.7	10023.5	10046.1	10076.5	10102.7	10138.1	10271.0	10327.6	10367.8	10396.7	10432.3
10°	10120.9	10170.8	10217.5	10272.2	10319.4	10373.2	10496.9	10552.1	10586.9	10612.3	10635.9
12.5°	10242.0	10311.2	10373.7	10434.6	10485.6	10532.3	10575.9	10595.1	10596.7	10597.6	10585.0
15°	10305.2	10371.3	10426.3	10466.6	10496.6	10509.8	10434.9	10395.6	10345.9	10305.0	10237.7
17.5°	10265.3	10305.0	10328.8	10326.5	10314.1	10272.6	10060.5	9943.7	9827.8	9723.4	9586.5
20°	10088.3	10085.2	10064.6	10006.0	9935.4	9825.6	9461.8	9251.9	9049.0	8870.8	8654.5
22.5°	9759.0	9707.2	9634.9	9508.6	9368.2	9176.4	8655.1	8346.2	8063.8	7814.2	7534.6
25°	9281.8	9175.1	9041.9	8841.3	8623.2	8343.4	7700.9	7316.9	6977.7	6683.4	6360.9
27.5°	8671.0	8510.4	8315.1	8037.5	7742.1	7383.7	6671.2	6247.4	5883.2	5567.9	5224.6
30°	7948.0	7739.1	7487.0	7142.4	6785.9	6379.4	5657.0	5227.6	4859.1	4534.6	4191.0
32.5°	7130.9	6886.3	6590.7	6204.0	5818.6	5400.7	4702.9	4287.3	3935.3	3623.1	3312.1
35°	6229.6	5967.3	5654.7	5260.3	4877.1	4470.8	3830.5	3455.8	3145.0	2869.0	2617.9
37.5°	5263.0	5005.4	4708.2	4336.4	3981.2	3612.9	3060.5	2746.5	2485.6	2256.6	2062.8
40°	4257.8	4032.4	3775.3	3453.9	3150.7	2844.0	2390.5	2141.3	1935.4	1760.8	1615.5
42.5°	3265.0	3090.3	2893.1	2639.2	2407.2	2173.6	1824.6	1640.0	1487.5	1361.7	1259.0
45°	2368.9	2252.0	2119.8	1943.2	1782.7	1619.8	1371.4	1241.6	1142.3	1061.2	992.7
47.5°	1656.0	1588.2	1584.1	1420.9	1303.2	1203.6	1043.5	961.6	900.7	851.6	808.2
50°	1163.0	1130.2	1089.4	1031.1	976.6	920.3	822.7	773.2	737.6	707.8	680.4
52.5°	869.4	852.4	830.7	799.7	770.2	738.5	676.7	645.3	634.1	606.3	584.6
55°	694.4	684.7	672.3	654.1	636.1	629.0	576.0	552.7	537.7	526.8	515.2
57.5°	576.8	569.5	562.2	549.9	539.4	526.8	498.8	486.8	477.9	471.5	463.4
60°	492.0	487.6	483.5	476.4	470.7	463.9	446.1	439.3	434.7	430.8	425.7
62.5°	434.2	432.0	429.9	426.0	423.2	419.5	407.3	404.1	401.7	399.8	396.7
65°	392.6	390.9	389.8	387.2	385.8	383.7	373.1	371.0	369.6	368.8	367.0
67.5°	354.7	353.0	352.3	350.4	349.8	348.4	339.9	338.7	338.2	338.5	337.8
70°	319.3	318.5	318.9	318.6	319.5	319.6	314.5	314.4	315.0	316.1	316.2
72.5°	298.0	298.0	298.4	298.6	299.3	299.7	295.4	295.2	295.4	296.3	296.3
75°	277.8	278.2	279.2	279.6	280.5	280.7	275.0	274.4	274.4	275.1	274.9
77.5°	249.9	251.1	253.1	254.2	256.0	256.3	250.0	249.1	249.2	250.0	249.3
80°	218.1	220.4	223.8	226.1	228.8	229.8	223.3	221.7	220.2	220.1	218.8
82.5°	184.5	187.3	191.3	193.3	196.2	196.9	185.9	183.7	182.5	182.6	181.4
85°	140.8	142.9	146.5	147.8	149.5	149.3	136.8	131.4	132.9	130.6	132.4
87.5°	88.3	89.5	91.9	92.1	93.0	92.8	80.1	77.6	76.9	77.0	76.0
90°	87.5	91.3	96.2	99.2	103.5	106.3	99.0	100.8	97.4	95.3	91.5
92.5°	78.4	84.2	90.1	96.0	101.8	107.8	112.4	117.9	111.8	105.5	99.4
95°	95.6	105.4	115.2	125.0	134.8	144.6	154.5	164.2	155.1	145.9	136.8
97.5°	107.3	119.0	130.5	142.2	153.7	165.4	176.9	188.6	178.8	168.8	159.0
100°	141.8	163.4	184.9	206.6	228.3	249.9	271.6	293.2	274.2	255.2	236.2
102.5°	299.1	345.1	391.0	436.8	482.8	528.8	574.7	620.7	577.2	533.6	490.0
105°	583.5	657.9	732.5	806.8	881.2	955.8	1030.3	1104.7	1035.2	965.5	895.9
107.5°	927.5	1003.0	1078.6	1154.0	1229.7	1305.2	1380.9	1456.5	1388.6	1320.7	1252.9
110°	1140.4	1195.6	1250.8	1306.1	1361.3	1416.5	1472.0	1527.2	1486.5	1445.8	1405.2



TEST NUMBER: P1444792
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL40

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	1186.1	1225.9	1265.5	1305.0	1344.5	1384.1	1424.1	1463.7	1443.5	1423.3	1403.1
115°	1119.5	1146.4	1173.2	1200.0	1226.9	1253.7	1280.8	1307.8	1301.6	1295.5	1289.3
117.5°	1004.8	1020.1	1035.3	1050.5	1065.6	1080.9	1096.6	1111.9	1113.5	1115.1	1116.8
120°	882.5	889.3	896.1	902.8	909.4	916.2	923.4	930.2	936.3	942.3	948.3
122.5°	777.8	780.8	783.6	786.6	789.4	792.3	795.8	799.0	803.3	807.8	812.2
125°	692.7	694.4	696.2	698.0	699.6	701.4	704.0	705.8	706.7	707.5	708.4
127.5°	634.2	635.1	635.8	636.8	637.5	638.4	640.0	641.1	639.5	637.8	636.1
130°	590.7	591.8	593.1	594.4	595.7	596.8	599.0	600.5	597.1	593.6	590.2
132.5°	560.6	562.1	563.5	565.0	566.4	567.9	570.4	572.0	568.0	563.9	559.8
135°	534.6	536.3	537.9	539.7	541.3	543.1	545.9	547.8	544.0	540.1	536.2
137.5°	512.2	514.0	515.7	517.4	519.0	520.8	523.7	525.7	522.7	519.7	516.8
140°	492.4	494.3	496.2	498.2	500.0	502.1	505.2	507.5	505.2	502.9	500.6
142.5°	472.7	475.1	477.6	480.0	482.4	484.8	488.6	491.3	489.8	488.1	486.6
145°	458.6	461.3	463.9	466.7	469.3	472.0	476.1	479.1	478.2	477.4	476.4
147.5°	445.7	448.1	450.5	453.0	455.5	458.1	462.0	464.9	464.5	464.1	463.7
150°	432.9	435.5	437.9	440.3	442.9	445.4	449.7	452.7	452.3	451.9	451.6
152.5°	419.7	421.8	424.1	426.4	428.7	431.0	435.6	438.4	438.1	437.6	437.3
155°	409.9	411.8	413.6	415.4	417.2	419.1	423.5	426.0	425.9	425.9	425.7
157.5°	404.4	405.7	407.0	408.5	409.9	411.3	415.5	417.7	417.6	417.4	417.3
160°	399.4	400.5	401.6	402.8	404.0	405.2	409.4	411.2	411.1	410.9	410.9
162.5°	395.3	396.7	398.0	399.4	400.9	402.2	406.6	408.7	408.4	408.1	407.8
165°	394.0	394.9	395.9	396.8	397.7	398.7	402.5	404.1	404.1	404.0	403.9
167.5°	393.5	394.6	395.5	396.4	397.4	398.5	402.0	403.7	403.6	403.5	403.4
170°	394.5	395.3	396.0	396.9	397.6	398.6	401.4	402.8	402.6	402.2	401.9
172.5°	395.7	396.6	397.3	398.2	398.9	399.9	402.4	403.8	403.5	403.2	402.8
175°	394.3	394.8	395.5	396.2	396.8	397.4	399.5	400.4	400.3	400.3	400.2
177.5°	396.7	397.0	397.4	397.9	398.4	398.7	400.0	400.7	400.7	400.7	400.6
180°	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4



TEST NUMBER: P1444792
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL40

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3
2.5°	9896.5	9899.9	9900.5	9904.5	9904.2	9909.0	9908.2	9912.2	9909.9	9913.2	9910.4
5°	10128.9	10150.0	10161.0	10181.6	10188.1	10206.5	10211.7	10228.5	10229.2	10242.5	10239.4
7.5°	10457.5	10488.7	10507.1	10532.5	10545.4	10566.5	10575.9	10591.6	10596.6	10609.0	10610.0
10°	10653.7	10668.8	10679.4	10686.5	10693.0	10696.0	10699.6	10698.6	10699.6	10698.2	10701.3
12.5°	10576.6	10554.5	10540.0	10512.4	10496.4	10465.9	10450.9	10421.7	10411.0	10385.8	10382.2
15°	10185.7	10108.9	10054.7	9975.8	9926.1	9848.5	9803.1	9733.1	9701.1	9645.4	9630.8
17.5°	9473.2	9330.6	9220.3	9078.9	8980.7	8848.4	8765.3	8655.8	8595.8	8507.6	8477.0
20°	8474.2	8263.4	8098.0	7900.8	7759.8	7584.1	7471.5	7329.6	7247.3	7138.8	7094.9
22.5°	7301.5	7039.0	6832.3	6599.5	6429.3	6233.5	6098.6	5945.1	5855.5	5737.7	5685.6
25°	6092.8	5803.2	5573.5	5328.2	5148.4	4952.1	4817.3	4666.4	4573.6	4461.8	4410.0
27.5°	4936.7	4643.6	4421.6	4193.5	4028.6	3851.4	3729.8	3598.1	3515.8	3420.4	3371.6
30°	3916.5	3658.0	3469.1	3279.9	3142.6	2998.8	2897.6	2788.5	2716.3	2634.6	2588.1
32.5°	3085.3	2885.8	2737.8	2587.6	2475.4	2355.1	2267.8	2171.5	2106.3	2033.3	1991.3
35°	2443.6	2288.5	2170.5	2046.8	1950.4	1848.0	1771.1	1687.9	1629.4	1566.6	1530.3
37.5°	1930.6	1807.4	1710.3	1607.6	1528.4	1443.5	1414.9	1319.6	1258.9	1208.8	1174.1
40°	1515.2	1417.1	1336.8	1258.3	1193.6	1129.3	1077.6	1026.7	987.5	951.7	926.9
42.5°	1183.3	1112.2	1053.5	996.0	948.9	902.0	864.6	829.4	803.2	779.7	763.7
45°	940.6	891.8	851.0	810.4	777.2	746.0	720.7	698.4	681.3	667.2	657.3
47.5°	772.7	739.3	710.6	683.2	660.6	640.1	623.3	617.8	599.4	587.1	582.5
50°	656.7	636.5	614.7	594.5	579.4	564.4	553.5	542.8	535.9	530.2	528.5
52.5°	570.2	554.7	542.5	529.7	519.9	509.1	501.6	494.4	490.7	487.7	487.3
55°	505.8	495.0	486.9	478.3	472.3	466.1	462.2	458.5	456.8	455.3	455.4
57.5°	457.1	449.8	444.6	439.1	435.8	432.8	431.8	430.9	431.4	431.6	432.5
60°	421.6	416.8	413.6	410.4	409.0	408.1	408.8	409.6	411.4	412.7	414.0
62.5°	394.4	391.7	390.1	388.3	388.2	388.3	389.7	391.2	393.3	394.9	396.1
65°	366.3	364.8	364.3	363.2	363.7	364.1	365.9	367.0	369.1	370.4	371.9
67.5°	338.1	337.7	338.0	338.0	339.0	339.9	341.5	342.8	344.6	345.8	347.0
70°	317.1	317.3	318.1	318.3	319.3	319.8	321.3	322.2	323.7	324.8	326.3
72.5°	296.8	296.5	296.7	296.3	296.6	296.4	297.3	297.7	299.1	299.8	301.7
75°	275.2	274.3	274.1	273.1	273.2	272.4	272.8	272.7	273.6	274.0	275.3
77.5°	249.1	247.5	246.8	245.2	245.1	244.6	245.2	245.6	247.2	248.0	249.5
80°	217.8	215.4	214.3	212.4	212.8	212.6	214.3	215.5	217.4	217.8	219.7
82.5°	181.0	178.6	177.4	175.5	176.0	176.1	177.5	177.8	179.4	180.2	182.4
85°	129.6	130.6	128.0	128.2	127.6	128.7	129.6	130.9	132.3	134.7	136.5
87.5°	76.3	76.0	77.0	77.0	78.4	79.1	81.1	82.4	84.8	86.6	90.0
90°	88.9	85.1	83.2	80.1	78.8	75.9	75.1	72.5	71.8	70.0	69.8
92.5°	93.0	86.7	80.4	74.3	67.9	61.9	58.8	56.0	53.0	50.3	47.1
95°	127.6	118.4	109.3	100.2	91.0	81.9	78.5	75.2	71.8	68.5	65.2
97.5°	149.2	139.4	129.6	119.7	109.8	100.1	97.8	95.6	93.4	91.1	88.9
100°	217.3	198.3	179.3	160.2	141.3	122.3	120.6	118.8	117.0	115.2	113.4
102.5°	446.5	403.0	359.5	316.0	272.5	228.9	221.4	213.7	206.2	198.5	191.0
105°	826.2	756.6	687.0	617.3	547.7	478.1	457.3	436.6	415.8	395.0	374.3
107.5°	1185.0	1117.1	1049.3	981.4	913.6	845.7	812.9	780.1	747.2	714.4	681.7
110°	1364.5	1323.8	1283.2	1242.4	1201.8	1161.2	1129.9	1098.7	1067.4	1036.2	1004.9



TEST NUMBER: P1444792
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL40

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	1382.8	1362.6	1342.5	1322.3	1302.2	1281.9	1266.7	1251.5	1236.4	1221.1	1205.8
115°	1283.1	1276.9	1270.7	1264.5	1258.5	1252.2	1251.3	1250.4	1249.3	1248.5	1247.5
117.5°	1118.3	1119.8	1121.4	1123.2	1124.8	1126.4	1134.7	1143.1	1151.5	1159.9	1168.3
120°	954.3	960.3	966.4	972.5	978.4	984.5	995.6	1006.9	1018.2	1029.5	1040.9
122.5°	816.6	821.1	825.4	829.9	834.4	838.8	849.9	861.2	872.4	883.6	895.0
125°	709.2	710.0	710.8	711.6	712.4	713.3	722.7	732.0	741.4	750.9	760.3
127.5°	634.5	632.8	631.1	629.5	627.7	626.2	631.9	637.7	643.5	649.4	655.1
130°	586.8	583.3	579.8	576.3	572.9	569.4	572.0	574.6	577.2	579.9	582.7
132.5°	555.6	551.5	547.3	543.1	539.1	535.0	535.5	536.1	536.7	537.3	538.0
135°	532.2	528.4	524.5	520.5	516.6	512.8	512.2	511.7	511.2	510.6	510.2
137.5°	513.8	510.7	507.7	504.8	501.7	498.7	497.7	496.8	495.7	494.9	493.9
140°	498.3	496.0	493.7	491.3	489.0	486.8	485.9	485.2	484.5	483.8	483.1
142.5°	484.9	483.2	481.7	480.1	478.4	476.8	476.1	475.3	474.7	474.0	473.3
145°	475.6	474.6	473.6	472.8	471.9	471.0	470.5	470.0	469.5	469.1	468.7
147.5°	463.3	462.7	462.4	462.0	461.4	461.1	460.8	460.6	460.3	460.2	460.0
150°	451.1	450.6	450.3	449.9	449.4	449.1	449.0	449.1	449.1	449.1	449.1
152.5°	436.8	436.5	436.0	435.7	435.2	434.8	434.8	435.0	435.0	435.1	435.1
155°	425.5	425.4	425.2	425.0	424.8	424.6	424.6	424.4	424.2	424.0	423.8
157.5°	417.2	417.0	416.8	416.7	416.5	416.4	416.2	416.1	415.9	415.8	415.6
160°	410.7	410.6	410.4	410.3	410.1	410.0	409.6	409.2	408.9	408.5	408.1
162.5°	407.3	406.9	406.6	406.3	405.8	405.5	405.4	405.2	405.0	404.9	404.7
165°	403.7	403.6	403.4	403.2	403.1	403.0	402.7	402.2	401.9	401.5	401.1
167.5°	403.2	403.1	402.9	402.8	402.7	402.6	402.3	401.8	401.4	401.1	400.7
170°	401.6	401.2	401.0	400.6	400.2	399.9	399.6	399.2	398.8	398.5	398.1
172.5°	402.7	402.3	402.0	401.7	401.4	401.1	400.8	400.4	400.1	399.8	399.5
175°	400.1	400.1	400.1	400.0	400.0	399.9	399.8	399.8	399.7	399.7	399.6
177.5°	400.6	400.6	400.6	400.5	400.5	400.5	400.2	400.0	399.8	399.5	399.2
180°	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4



TEST NUMBER: P1444792
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL40

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3
2.5°	9913.3	9910.8	9912.0	9907.3	9908.4	9902.8	9902.3	9895.9	9895.4	9889.4	9887.2
5°	10248.9	10243.3	10249.6	10239.9	10241.9	10229.2	10228.2	10211.8	10206.2	10185.8	10176.9
7.5°	10617.8	10615.7	10619.5	10611.4	10611.2	10599.9	10595.2	10580.6	10571.5	10550.0	10536.4
10°	10698.6	10700.5	10697.4	10698.2	10693.8	10692.6	10688.1	10685.2	10677.9	10672.3	10664.1
12.5°	10363.1	10365.0	10352.3	10360.4	10353.9	10368.9	10367.7	10385.3	10388.0	10410.4	10418.9
15°	9587.5	9585.0	9560.5	9576.0	9567.6	9600.5	9607.9	9652.1	9675.7	9732.5	9767.4
17.5°	8415.8	8409.5	8374.9	8393.8	8384.2	8432.7	8448.9	8519.6	8563.7	8655.2	8720.4
20°	7019.2	7007.1	6966.7	6988.7	6978.9	7033.9	7057.1	7142.6	7199.4	7320.6	7406.8
22.5°	5605.2	5586.1	5546.5	5567.1	5557.7	5614.7	5645.0	5730.7	5795.9	5920.2	6020.9
25°	4335.5	4318.5	4280.2	4294.6	4291.2	4339.3	4366.3	4447.3	4511.3	4629.8	4725.9
27.5°	3306.8	3289.1	3254.4	3264.7	3261.1	3302.2	3327.6	3395.3	3450.4	3550.1	3634.4
30°	2530.9	2509.5	2480.1	2485.7	2483.4	2516.7	2540.3	2597.3	2644.6	2728.9	2801.6
32.5°	1940.0	1918.4	1891.4	1894.0	1890.5	1916.7	1936.1	1985.7	2026.9	2098.5	2161.8
35°	1484.3	1509.5	1451.9	1488.3	1450.4	1506.1	1486.1	1517.1	1552.5	1612.9	1665.6
37.5°	1141.1	1123.6	1108.8	1107.2	1107.1	1120.0	1135.3	1165.1	1196.3	1241.3	1287.8
40°	904.3	892.0	882.4	881.7	882.4	891.6	902.9	923.4	946.3	978.6	1012.8
42.5°	750.0	741.9	736.0	735.6	737.5	744.0	751.8	764.0	778.9	799.9	823.3
45°	649.1	644.6	641.3	641.2	642.0	645.4	649.9	657.6	667.0	680.0	694.9
47.5°	578.4	577.2	575.2	575.3	574.4	575.8	576.3	580.6	585.5	595.4	614.8
50°	526.8	526.8	525.4	525.4	524.1	524.0	522.8	524.5	526.8	533.0	539.1
52.5°	486.0	485.9	484.5	484.2	482.8	482.7	481.8	482.4	482.7	485.8	489.5
55°	454.3	453.2	451.3	450.6	450.2	450.9	450.5	450.6	450.2	451.5	452.6
57.5°	431.4	430.1	428.3	427.7	427.6	428.6	428.6	428.3	426.5	425.4	423.7
60°	413.3	412.1	410.0	409.6	409.8	411.1	411.0	410.0	407.4	405.2	402.6
62.5°	395.6	395.0	394.0	393.9	393.6	393.8	393.0	391.8	389.2	386.8	384.0
65°	371.7	372.0	371.3	371.4	370.4	370.2	368.8	367.7	365.2	363.1	360.2
67.5°	347.0	347.2	346.6	346.6	346.1	346.2	345.3	344.2	342.1	340.3	338.1
70°	326.6	327.1	326.7	326.8	326.3	326.1	324.8	323.7	321.5	320.0	318.0
72.5°	302.2	303.3	303.3	303.5	302.6	302.2	300.6	299.3	297.3	296.2	294.6
75°	275.9	277.3	277.6	278.3	277.1	276.4	274.6	273.6	272.0	271.3	270.3
77.5°	250.1	251.7	253.2	254.6	252.6	250.8	248.7	247.0	244.7	243.7	242.0
80°	221.3	224.1	227.3	230.1	226.5	222.8	219.3	216.7	213.5	212.2	210.2
82.5°	183.5	186.4	188.3	190.1	187.5	184.9	181.5	179.2	175.8	174.5	172.2
85°	139.5	143.0	144.1	145.1	143.5	142.1	138.8	134.4	132.4	129.0	127.3
87.5°	91.7	93.8	94.3	94.6	93.5	92.9	90.8	88.8	85.2	82.5	79.3
90°	67.5	66.8	63.8	62.2	63.0	65.0	64.9	66.1	65.1	66.0	65.2
92.5°	44.3	41.4	38.5	35.6	38.7	41.4	44.4	47.1	50.2	53.0	56.0
95°	61.9	58.5	55.2	51.8	54.5	57.1	59.8	62.5	65.1	67.8	70.5
97.5°	86.6	84.4	82.2	79.9	81.5	83.1	84.6	86.2	87.8	89.3	90.9
100°	111.6	109.8	108.1	106.3	106.3	106.3	106.3	106.3	106.3	106.3	106.3
102.5°	183.3	175.8	168.2	160.6	165.7	170.9	176.0	181.1	186.3	191.5	196.7
105°	353.6	332.8	312.1	291.3	311.4	331.5	351.5	371.6	391.7	411.9	431.9
107.5°	648.9	616.1	583.3	550.5	587.1	623.6	660.3	696.9	733.4	770.0	806.7
110°	973.7	942.5	911.2	880.0	918.9	957.6	996.5	1035.2	1074.1	1112.9	1151.8



TEST NUMBER: P1444792
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL40

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	1190.6	1175.6	1160.4	1145.2	1170.1	1195.1	1220.1	1245.1	1270.2	1295.3	1320.2
115°	1246.6	1245.7	1244.9	1243.9	1255.8	1267.6	1279.4	1291.3	1303.1	1314.9	1326.8
117.5°	1176.7	1185.1	1193.6	1202.1	1205.9	1209.7	1213.5	1217.3	1221.2	1225.0	1228.8
120°	1052.2	1063.5	1074.8	1086.2	1084.6	1083.0	1081.5	1080.0	1078.6	1077.0	1075.7
122.5°	906.3	917.6	928.9	940.3	937.0	933.6	930.2	926.9	923.7	920.4	917.2
125°	769.9	779.4	788.9	798.5	795.2	791.8	788.5	785.2	781.9	778.7	775.5
127.5°	661.1	667.2	673.0	679.0	677.4	675.8	674.4	672.9	671.4	669.9	668.6
130°	585.4	588.2	591.0	593.8	594.3	594.8	595.2	595.8	596.4	597.0	597.6
132.5°	538.8	539.5	540.3	541.1	542.9	544.6	546.6	548.5	550.4	552.3	554.4
135°	509.8	509.4	509.1	508.8	511.5	514.2	516.8	519.6	522.5	525.4	528.2
137.5°	493.0	492.2	491.4	490.7	493.4	496.0	498.8	501.5	504.3	507.2	510.2
140°	482.4	481.8	481.4	480.7	483.4	486.1	488.7	491.5	494.4	497.3	500.1
142.5°	472.6	472.1	471.5	470.9	473.4	475.9	478.4	480.8	483.5	486.0	488.6
145°	468.2	467.9	467.5	467.2	468.9	470.7	472.6	474.5	476.4	478.2	480.3
147.5°	459.9	459.7	459.6	459.5	460.8	462.2	463.5	464.8	466.3	467.7	469.2
150°	449.3	449.3	449.4	449.6	450.5	451.3	452.2	453.1	454.1	454.9	456.0
152.5°	435.3	435.3	435.5	435.6	436.5	437.3	438.2	439.0	440.0	440.9	441.9
155°	423.8	423.6	423.5	423.4	423.8	424.3	424.6	425.0	425.5	425.9	426.3
157.5°	415.5	415.3	415.3	415.1	415.2	415.4	415.6	415.8	416.0	416.2	416.4
160°	407.9	407.5	407.0	406.8	407.1	407.5	407.9	408.2	408.6	409.0	409.3
162.5°	404.6	404.4	404.3	404.1	404.1	404.0	403.9	403.8	403.7	403.6	403.6
165°	400.8	400.4	400.0	399.7	399.8	400.0	400.0	400.1	400.3	400.4	400.5
167.5°	400.3	400.0	399.6	399.2	399.0	398.6	398.4	398.0	397.7	397.4	397.3
170°	397.7	397.4	397.1	396.8	396.7	396.6	396.6	396.4	396.4	396.4	396.4
172.5°	399.1	398.8	398.5	398.2	398.1	398.1	398.0	398.0	397.9	397.9	397.9
175°	399.5	399.5	399.4	399.3	399.1	398.8	398.7	398.5	398.2	397.9	397.7
177.5°	399.0	398.7	398.5	398.3	398.3	398.3	398.3	398.3	398.3	398.2	398.2
180°	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4



TEST NUMBER: P1444792
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL40

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3
2.5°	9880.8	9878.1	9871.3	9867.9	9861.6	9858.4	9853.5	9850.3	9846.3	9843.3	9841.8
5°	10154.5	10141.9	10116.6	10101.0	10073.6	10055.6	10028.4	10008.6	9980.5	9959.9	9933.3
7.5°	10510.6	10491.3	10458.8	10434.2	10396.0	10366.8	10323.8	10289.5	10242.0	10202.7	10154.3
10°	10655.7	10644.3	10629.8	10614.0	10592.8	10572.0	10542.7	10512.9	10473.0	10433.4	10381.7
12.5°	10441.3	10452.0	10473.0	10482.8	10498.9	10504.3	10511.7	10508.2	10501.8	10485.6	10462.1
15°	9834.4	9878.8	9949.1	9997.7	10065.8	10113.7	10176.9	10217.6	10264.6	10292.6	10319.3
17.5°	8835.9	8921.9	9045.9	9144.8	9277.6	9385.6	9517.9	9621.8	9741.8	9833.9	9931.9
20°	7556.9	7677.4	7848.6	7994.0	8186.4	8349.6	8558.7	8733.8	8938.0	9108.3	9292.1
22.5°	6180.5	6322.1	6518.4	6693.7	6923.4	7128.7	7390.7	7622.3	7898.4	8145.8	8419.5
25°	4882.0	5020.8	5220.7	5402.1	5650.2	5876.4	6162.6	6428.2	6748.7	7047.5	7390.7
27.5°	3768.4	3891.8	4067.4	4230.8	4458.0	4680.0	4970.4	5253.6	5595.6	5916.9	6286.7
30°	2910.3	3010.3	3151.1	3282.6	3465.0	3646.5	3905.2	4167.2	4507.4	4840.3	5219.4
32.5°	2255.4	2340.7	2458.1	2564.9	2705.4	2842.4	3032.8	3242.1	3540.6	3859.4	4226.0
35°	1745.9	1818.9	1918.9	2010.9	2126.4	2235.0	2377.2	2526.6	2754.4	3022.6	3350.7
37.5°	1392.0	1421.7	1493.1	1568.3	1664.4	1753.6	1864.9	1975.4	2138.3	2349.9	2617.9
40°	1058.5	1105.8	1163.9	1223.3	1295.9	1367.6	1489.5	1548.2	1655.5	1807.5	2015.4
42.5°	854.1	887.3	928.2	969.5	1020.2	1070.0	1131.7	1194.6	1274.8	1377.6	1525.6
45°	714.8	736.4	762.7	790.2	823.5	857.6	898.9	942.0	996.4	1059.7	1149.5
47.5°	621.6	633.6	650.8	669.6	692.4	716.0	742.8	770.3	804.1	841.6	892.8
50°	548.9	558.9	572.3	584.9	600.6	624.8	635.4	650.6	670.9	693.0	721.6
52.5°	496.4	503.0	511.4	518.6	528.5	537.6	549.5	559.9	574.0	587.2	605.8
55°	455.4	457.8	462.6	467.2	474.1	480.3	488.4	495.3	504.2	512.1	523.8
57.5°	423.8	424.0	426.2	428.7	433.0	436.9	442.5	447.0	453.2	458.3	465.3
60°	401.1	399.9	400.3	401.2	403.6	406.1	409.7	412.6	416.5	419.4	423.3
62.5°	382.2	380.2	379.8	379.6	380.9	381.7	383.7	385.0	387.3	388.6	390.6
65°	358.2	356.0	355.1	354.1	354.5	354.2	354.9	355.0	356.1	356.4	357.6
67.5°	336.6	334.7	333.5	332.1	331.6	330.5	330.1	329.2	329.1	328.2	328.0
70°	316.8	315.0	314.1	312.8	312.1	310.8	310.0	308.4	307.3	305.9	305.0
72.5°	293.9	292.9	292.6	291.7	291.5	290.8	290.5	289.3	288.6	287.4	286.7
75°	270.0	269.2	269.2	268.2	268.1	267.3	267.1	265.9	265.2	263.9	263.4
77.5°	241.6	240.3	239.9	238.9	239.2	238.8	239.1	238.2	237.8	236.5	236.1
80°	209.5	207.9	207.2	205.9	206.3	205.6	206.3	206.2	206.6	205.6	205.4
82.5°	171.5	169.7	169.4	168.4	169.1	169.2	170.5	169.7	170.1	169.1	169.6
85°	124.8	123.4	121.7	121.4	120.2	121.4	119.9	120.9	119.2	120.4	118.8
87.5°	77.3	74.6	73.2	71.3	70.5	68.7	67.9	66.6	67.0	66.3	66.7
90°	66.5	66.1	69.0	70.5	73.7	75.3	78.9	81.1	84.8	86.9	90.7
92.5°	58.8	61.7	67.1	72.5	77.8	83.1	88.5	93.9	99.2	104.6	109.9
95°	73.1	75.8	83.0	90.1	97.3	104.4	111.6	118.8	126.0	133.0	140.2
97.5°	92.5	94.1	101.3	108.4	115.5	122.7	129.8	137.0	144.2	151.3	158.5
100°	106.3	106.4	126.7	147.0	167.2	187.5	207.9	228.2	248.5	268.8	289.1
102.5°	201.8	206.9	258.3	309.5	360.8	412.2	463.5	514.8	566.2	617.5	668.8
105°	452.0	472.1	550.3	628.8	707.0	785.4	863.6	942.1	1020.3	1098.8	1177.0
107.5°	843.2	879.8	950.7	1021.4	1092.1	1162.9	1233.6	1304.3	1375.1	1445.8	1516.7
110°	1190.5	1229.4	1276.8	1324.1	1371.5	1418.8	1466.1	1513.5	1560.9	1608.2	1655.7



TEST NUMBER: P1444792
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL40

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	1345.2	1370.3	1397.7	1425.2	1452.8	1480.3	1507.9	1535.4	1563.0	1590.5	1618.2
115°	1338.7	1350.6	1361.1	1371.8	1382.4	1392.9	1403.6	1414.2	1425.0	1435.5	1446.2
117.5°	1232.8	1236.7	1238.1	1239.6	1241.0	1242.5	1244.1	1245.6	1247.1	1248.8	1250.2
120°	1074.1	1072.6	1070.6	1068.5	1066.5	1064.4	1062.4	1060.4	1058.3	1056.4	1054.4
122.5°	913.9	910.8	908.6	906.7	904.6	902.7	900.8	898.9	896.9	894.9	893.0
125°	772.3	769.2	770.3	771.4	772.6	773.8	774.9	776.2	777.5	778.6	779.9
127.5°	667.2	665.9	669.5	673.2	676.8	680.5	684.1	687.8	691.5	695.2	698.8
130°	598.3	599.0	603.7	608.6	613.3	618.1	622.9	627.7	632.5	637.3	642.2
132.5°	556.4	558.5	562.9	567.6	572.1	576.8	581.3	586.0	590.5	595.2	599.7
135°	531.1	534.1	538.3	542.3	546.5	550.7	554.8	559.0	563.1	567.3	571.4
137.5°	513.0	515.9	519.2	522.4	525.5	528.9	532.2	535.4	538.6	541.8	545.0
140°	503.0	506.1	507.6	509.3	510.9	512.6	514.3	515.9	517.4	519.2	520.8
142.5°	491.3	494.1	494.9	495.9	496.8	497.9	498.8	499.7	500.7	501.6	502.5
145°	482.1	484.2	483.9	483.7	483.5	483.3	483.1	482.9	482.6	482.4	482.1
147.5°	470.7	472.2	471.6	471.2	470.7	470.1	469.6	469.2	468.5	468.1	467.6
150°	456.9	458.0	457.2	456.5	455.7	454.9	454.1	453.3	452.5	451.8	451.0
152.5°	442.7	443.7	442.8	442.1	441.2	440.5	439.6	438.8	438.0	437.1	436.4
155°	426.8	427.3	426.8	426.4	426.0	425.6	425.1	424.7	424.5	424.0	423.6
157.5°	416.5	416.7	416.5	416.3	416.0	415.8	415.6	415.3	415.2	415.0	415.0
160°	409.6	410.1	409.8	409.6	409.4	409.1	408.9	408.7	408.6	408.4	408.3
162.5°	403.5	403.4	403.2	402.9	402.8	402.6	402.4	402.3	402.1	401.9	401.8
165°	400.8	401.0	400.4	400.0	399.7	399.2	398.8	398.5	398.2	397.8	397.4
167.5°	396.9	396.7	396.7	396.8	396.8	396.8	396.9	397.0	397.1	397.2	397.3
170°	396.3	396.4	396.1	395.9	395.8	395.6	395.3	395.2	395.1	394.8	394.7
172.5°	397.9	397.9	397.4	397.0	396.6	396.1	395.7	395.3	394.9	394.5	394.0
175°	397.4	397.3	397.1	396.8	396.6	396.2	396.0	395.8	395.6	395.3	395.1
177.5°	398.2	398.1	398.0	398.0	398.0	398.0	398.0	397.9	397.9	397.9	397.8
180°	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4



TEST NUMBER: P1444792
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL40

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3
2.5°	9839.9	9839.7	9838.7	9839.2	9839.4	9840.0	9840.9	9841.8	9842.0	9842.6	9842.8
5°	9913.5	9889.1	9871.1	9851.3	9836.4	9823.0	9814.0	9807.0	9804.3	9804.9	9806.6
7.5°	10113.1	10062.9	10021.4	9974.3	9935.0	9893.3	9858.9	9826.1	9802.1	9784.3	9774.4
10°	10332.2	10271.0	10212.5	10144.3	10079.6	10010.5	9947.9	9884.9	9832.5	9786.8	9753.4
12.5°	10429.5	10386.3	10335.6	10271.2	10202.0	10122.3	10041.8	9955.6	9875.3	9800.9	9740.8
15°	10326.5	10326.6	10308.2	10277.3	10229.2	10165.6	10088.8	9998.9	9904.2	9807.7	9719.5
17.5°	9999.7	10061.4	10095.7	10117.4	10110.7	10087.3	10038.5	9969.4	9881.2	9778.3	9670.6
20°	9438.5	9583.9	9687.6	9780.9	9833.1	9867.9	9864.4	9836.2	9773.4	9685.9	9573.8
22.5°	8652.3	8896.4	9088.9	9268.7	9394.6	9497.1	9545.8	9566.4	9538.0	9477.1	9371.8
25°	7697.3	8029.2	8312.5	8587.3	8793.5	8970.8	9077.3	9152.3	9158.3	9126.4	9032.5
27.5°	6636.2	7028.0	7386.5	7751.9	8041.8	8296.6	8463.7	8586.0	8624.9	8619.8	8534.4
30°	5576.5	5987.8	6382.9	6808.9	7167.7	7493.2	7714.0	7879.5	7943.2	7955.4	7873.4
32.5°	4575.6	4981.2	5375.2	5820.6	6215.5	6588.5	6849.4	7045.9	7120.1	7137.5	7047.5
35°	3667.3	4041.5	4416.0	4847.6	5240.2	5626.5	5901.3	6107.1	6176.3	6188.1	6083.8
37.5°	2879.6	3198.4	3524.7	3912.1	4272.5	4635.3	4896.5	5089.9	5140.4	5137.2	5019.3
40°	2216.4	2464.2	2726.5	3045.3	3345.1	3651.7	3872.2	4032.1	4058.6	4039.0	3915.1
42.5°	1666.6	1845.6	2035.7	2273.7	2496.2	2725.6	2886.1	3004.7	3008.6	2977.5	2866.3
45°	1241.6	1416.3	1495.9	1639.9	1783.2	1935.8	2033.7	2107.0	2095.7	2068.3	1983.8
47.5°	946.6	1013.6	1084.8	1174.1	1257.5	1430.7	1417.9	1535.5	1450.8	1508.6	1381.4
50°	751.7	789.1	827.5	874.9	918.4	963.7	992.0	1013.2	1010.4	1001.3	976.9
52.5°	639.5	651.0	669.9	696.9	721.2	745.7	761.8	774.9	775.1	771.5	759.2
55°	534.5	549.2	562.7	580.3	610.3	615.0	638.0	633.3	635.2	628.8	635.3
57.5°	471.2	479.8	487.4	497.9	506.5	516.7	522.7	528.3	527.9	526.6	520.3
60°	426.4	431.2	435.4	441.5	446.3	451.9	454.7	457.6	456.7	454.5	449.0
62.5°	391.9	394.8	397.3	401.2	404.1	407.6	409.1	410.3	409.1	407.0	402.1
65°	357.8	359.7	361.2	364.2	366.2	369.3	370.5	371.6	370.5	368.9	365.2
67.5°	327.0	327.2	327.1	328.3	328.9	330.7	331.3	332.1	330.8	329.4	326.3
70°	303.7	303.3	302.7	303.2	303.3	304.2	304.3	304.2	302.6	300.2	296.7
72.5°	285.5	285.3	284.8	285.2	285.2	286.0	285.7	285.4	283.4	281.2	277.7
75°	262.1	261.9	261.0	261.0	260.3	260.6	259.6	259.1	256.9	255.0	251.9
77.5°	234.7	234.2	232.9	232.4	231.0	230.5	228.7	227.8	225.6	224.1	221.5
80°	204.0	203.6	202.0	201.0	198.8	197.4	194.8	193.3	190.8	189.3	186.7
82.5°	168.7	168.9	167.2	166.1	162.9	160.5	157.0	155.1	152.3	150.8	148.2
85°	120.0	118.2	119.2	119.1	117.1	115.1	112.2	110.1	107.8	106.4	104.5
87.5°	65.8	66.2	65.8	65.3	63.9	62.9	60.7	59.4	57.8	56.9	55.5
90°	85.3	81.6	76.2	72.6	67.2	62.9	57.3	53.2	47.8	46.1	43.4
92.5°	103.9	97.9	92.0	85.8	79.9	73.9	67.8	61.9	55.8	53.7	51.8
95°	131.5	122.8	114.1	105.4	96.7	87.9	79.3	70.5	61.9	60.1	58.3
97.5°	148.2	138.0	127.7	117.5	107.1	96.9	86.7	76.5	66.2	65.1	64.0
100°	265.4	241.9	218.3	194.6	171.0	147.3	123.8	100.2	76.5	75.2	73.8
102.5°	611.5	554.2	496.9	439.6	382.3	325.1	267.8	210.4	153.2	144.9	136.7
105°	1090.4	1003.6	916.9	830.2	743.5	656.6	570.0	483.2	396.5	368.7	340.8
107.5°	1435.1	1353.6	1272.0	1190.5	1108.8	1027.3	945.7	864.1	782.5	733.5	684.4
110°	1590.8	1526.0	1461.3	1396.4	1331.7	1266.9	1201.9	1137.2	1072.3	1029.9	987.7



TEST NUMBER: P1444792
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL40

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	1570.6	1522.9	1475.4	1427.7	1380.1	1332.4	1284.9	1237.2	1189.6	1163.8	1138.0
115°	1417.4	1388.5	1359.7	1330.9	1302.0	1273.1	1244.3	1215.3	1186.5	1172.8	1159.0
117.5°	1235.3	1220.3	1205.4	1190.4	1175.4	1160.4	1145.5	1130.4	1115.4	1110.4	1105.4
120°	1049.6	1044.7	1039.7	1034.9	1029.9	1025.0	1020.1	1015.1	1010.2	1010.4	1010.6
122.5°	894.2	895.3	896.5	897.5	898.8	899.8	901.0	902.0	903.1	906.2	909.4
125°	783.5	787.1	790.8	794.4	797.9	801.5	805.1	808.7	812.3	815.4	818.5
127.5°	703.0	707.0	711.2	715.2	719.3	723.4	727.5	731.4	735.5	738.2	741.1
130°	645.7	649.1	652.5	655.9	659.4	662.8	666.2	669.6	673.0	675.0	676.8
132.5°	602.7	605.8	608.7	611.6	614.7	617.7	620.7	623.6	626.7	627.9	629.1
135°	573.5	575.5	577.6	579.7	581.9	583.9	586.0	588.1	590.2	590.8	591.4
137.5°	546.7	548.3	550.0	551.6	553.2	554.9	556.6	558.2	559.9	559.7	559.7
140°	522.7	524.5	526.2	528.1	529.9	531.8	533.6	535.5	537.5	537.4	537.3
142.5°	503.8	505.1	506.5	507.8	509.2	510.5	511.9	513.4	514.8	514.7	514.6
145°	483.9	485.6	487.3	489.1	490.9	492.7	494.6	496.4	498.3	498.0	497.7
147.5°	469.0	470.6	472.1	473.6	475.2	476.7	478.3	480.0	481.7	481.3	481.0
150°	452.8	454.5	456.0	457.8	459.6	461.4	463.1	465.0	466.9	467.0	467.0
152.5°	438.2	440.1	442.0	443.9	446.0	448.0	450.1	452.0	454.1	454.2	454.3
155°	425.5	427.3	429.3	431.3	433.3	435.3	437.3	439.3	441.3	441.6	441.9
157.5°	416.6	418.3	420.0	421.8	423.5	425.3	427.1	428.8	430.6	430.9	431.1
160°	409.8	411.3	412.8	414.3	415.9	417.4	418.9	420.5	421.9	422.2	422.4
162.5°	403.3	404.9	406.4	407.8	409.4	410.9	412.3	413.9	415.4	415.6	415.9
165°	398.6	399.5	400.6	401.5	402.7	403.7	404.8	405.7	406.9	407.2	407.7
167.5°	398.1	398.7	399.6	400.3	401.3	402.0	402.8	403.6	404.4	404.8	405.2
170°	395.5	396.2	396.9	397.7	398.6	399.3	400.0	400.8	401.6	401.9	402.4
172.5°	394.6	395.0	395.5	396.0	396.5	397.1	397.5	398.1	398.7	399.2	399.7
175°	395.3	395.6	395.9	396.1	396.3	396.7	396.9	397.3	397.5	398.0	398.5
177.5°	398.0	398.3	398.5	398.7	399.0	399.2	399.5	399.8	400.0	400.6	401.3
180°	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4



TEST NUMBER: P1444792
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CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3
2.5°	9842.5	9842.4	9842.1	9841.6	9841.2	9841.4	9841.9	9843.0	9845.0	9847.9	9851.6
5°	9807.9	9809.9	9811.1	9811.3	9810.2	9809.6	9810.5	9813.2	9818.7	9827.8	9840.2
7.5°	9771.8	9774.2	9778.0	9780.9	9781.4	9780.7	9780.9	9785.1	9795.1	9813.0	9838.0
10°	9733.0	9725.6	9729.5	9736.6	9742.3	9743.3	9744.0	9749.0	9763.7	9790.7	9830.8
12.5°	9697.3	9674.0	9669.5	9675.9	9684.5	9687.3	9686.5	9688.6	9705.9	9741.5	9797.5
15°	9650.3	9606.5	9591.6	9593.2	9603.8	9607.6	9604.8	9600.5	9617.4	9660.9	9733.3
17.5°	9574.2	9503.6	9476.1	9474.9	9487.2	9490.6	9483.8	9470.5	9487.1	9541.4	9631.4
20°	9458.6	9354.4	9302.6	9294.3	9307.7	9303.8	9290.3	9270.3	9292.0	9358.1	9465.1
22.5°	9250.8	9118.7	9030.2	9001.6	9017.7	9007.0	8987.1	8961.7	8990.6	9065.6	9184.7
25°	8911.2	8758.5	8637.3	8569.3	8582.1	8562.8	8541.3	8510.5	8545.0	8631.0	8762.1
27.5°	8411.9	8235.7	8085.4	7972.8	7976.9	7951.8	7927.0	7887.1	7930.1	8032.0	8179.8
30°	7748.1	7544.1	7361.1	7208.1	7194.4	7170.0	7144.6	7092.3	7146.1	7268.1	7440.9
32.5°	6914.5	6687.9	6476.5	6283.1	6246.7	6222.8	6200.2	6139.9	6210.3	6352.6	6551.1
35°	5939.5	5698.2	5469.0	5248.1	5187.7	5163.8	5144.1	5086.3	5174.3	5329.1	5543.5
37.5°	4869.4	4622.9	4395.4	4168.8	4083.4	4051.1	4036.7	3998.9	4100.4	4253.4	4468.7
40°	3770.8	3541.7	3337.6	3137.6	3040.1	2990.7	2983.2	2976.3	3074.3	3207.2	3402.6
42.5°	2743.1	2558.2	2400.9	2248.0	2159.7	2092.2	2092.2	2112.7	2200.9	2300.4	2451.2
45°	1897.5	1773.4	1673.2	1571.0	1598.3	1463.7	1542.8	1502.2	1545.8	1610.0	1708.0
47.5°	1304.4	1236.6	1181.6	1124.5	1082.9	1043.1	1046.6	1072.2	1113.3	1151.3	1202.4
50°	950.7	916.2	888.1	858.5	837.7	820.2	821.2	832.3	853.9	874.0	900.6
52.5°	744.9	725.8	710.7	694.3	683.4	674.7	675.2	680.6	692.2	703.7	719.0
55°	614.0	611.7	591.9	577.2	571.6	565.7	566.8	568.9	576.9	583.5	593.6
57.5°	514.5	505.6	499.6	491.9	488.4	484.3	485.2	486.0	491.3	495.8	503.1
60°	444.3	438.0	433.8	428.5	426.1	423.5	424.2	424.6	428.0	431.0	436.2
62.5°	397.6	391.9	388.3	384.2	382.6	380.9	381.2	381.4	383.6	385.7	389.6
65°	361.9	357.4	354.3	350.8	349.1	347.2	347.4	347.4	349.3	350.8	353.7
67.5°	323.9	320.6	318.6	315.8	314.7	312.8	312.8	312.2	313.4	314.0	316.0
70°	293.6	290.2	287.7	285.0	283.5	281.9	281.9	281.9	283.3	284.7	287.3
72.5°	274.8	271.6	269.3	267.0	265.6	264.2	263.9	263.8	264.8	265.5	267.3
75°	250.0	247.4	246.0	243.9	242.8	241.2	240.9	240.2	240.6	240.8	242.1
77.5°	219.8	217.4	216.3	214.1	213.2	211.4	211.2	210.4	210.7	210.6	211.5
80°	185.5	183.3	182.6	180.8	180.4	178.7	178.4	177.5	177.8	177.0	177.4
82.5°	147.1	145.1	144.6	142.9	142.9	141.4	141.3	139.8	139.8	138.5	136.5
85°	103.6	102.1	101.5	100.1	99.7	98.5	97.8	96.4	96.0	95.0	94.7
87.5°	54.7	53.8	52.9	52.3	51.1	48.8	48.6	47.1	47.3	46.2	46.3
90°	41.9	39.4	37.8	35.3	33.8	31.7	30.2	31.5	33.0	34.3	35.8
92.5°	49.7	47.8	45.7	43.8	41.7	39.8	37.7	39.8	41.7	43.8	45.7
95°	56.6	54.8	52.9	51.1	49.4	47.6	45.8	47.6	49.4	51.2	53.0
97.5°	62.9	61.8	60.7	59.5	58.4	57.3	56.2	57.3	58.4	59.5	60.7
100°	72.5	71.2	69.8	68.5	67.2	65.8	64.5	65.9	67.3	68.6	69.9
102.5°	128.4	120.2	111.9	103.7	95.4	87.2	78.9	87.2	95.4	103.8	112.0
105°	312.8	285.0	257.1	229.3	201.3	173.5	145.6	173.6	201.4	229.4	257.2
107.5°	635.4	586.4	537.3	488.2	439.2	390.1	341.0	390.2	439.3	488.3	537.4
110°	945.3	903.0	860.7	818.4	776.0	733.6	691.2	733.6	776.0	818.4	860.7



TEST NUMBER: P1444792
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL40

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	1112.2	1086.4	1060.5	1034.7	1008.9	983.1	957.2	983.1	1009.0	1034.9	1060.7
115°	1145.3	1131.5	1117.8	1104.0	1090.2	1076.4	1062.6	1076.5	1090.4	1104.2	1118.1
117.5°	1100.4	1095.3	1090.3	1085.3	1080.2	1075.2	1070.1	1075.3	1080.4	1085.6	1090.7
120°	1010.6	1010.8	1011.0	1011.1	1011.3	1011.4	1011.5	1011.5	1011.5	1011.5	1011.5
122.5°	912.5	915.5	918.6	921.7	924.8	927.8	930.7	927.9	925.0	922.2	919.3
125°	821.6	824.9	828.0	831.1	834.1	837.3	840.2	837.5	834.6	831.7	828.7
127.5°	743.7	746.4	749.1	751.9	754.4	757.1	759.7	757.3	754.8	752.4	750.0
130°	678.6	680.6	682.3	684.3	686.0	687.7	689.4	687.9	686.3	684.9	683.2
132.5°	630.4	631.6	632.8	633.9	635.0	636.1	637.2	636.3	635.5	634.5	633.6
135°	592.0	592.5	593.1	593.6	594.1	594.6	594.9	594.9	594.6	594.4	594.0
137.5°	559.6	559.5	559.5	559.3	559.1	558.8	558.5	559.1	559.5	560.1	560.5
140°	537.2	537.2	537.0	536.8	536.8	536.5	536.2	536.8	537.3	537.7	538.0
142.5°	514.6	514.5	514.5	514.3	514.2	513.9	513.6	514.2	514.6	515.0	515.4
145°	497.4	497.1	496.7	496.4	495.9	495.4	494.9	495.7	496.4	497.0	497.7
147.5°	480.6	480.4	479.9	479.5	479.1	478.7	478.1	478.9	479.5	480.2	480.8
150°	467.2	467.3	467.3	467.4	467.4	467.3	467.2	467.5	467.9	468.1	468.2
152.5°	454.3	454.4	454.4	454.4	454.5	454.3	454.2	454.5	454.9	455.2	455.4
155°	442.1	442.3	442.5	442.7	442.9	443.1	443.3	443.4	443.5	443.6	443.6
157.5°	431.3	431.5	431.7	431.9	432.1	432.3	432.5	432.7	432.7	432.9	432.9
160°	422.6	422.9	423.0	423.2	423.4	423.6	423.7	423.9	424.1	424.2	424.3
162.5°	416.1	416.3	416.4	416.6	416.7	416.9	417.1	417.3	417.5	417.6	417.7
165°	408.1	408.5	408.9	409.4	409.7	410.2	410.5	410.5	410.3	410.3	410.1
167.5°	405.5	406.0	406.3	406.8	407.0	407.5	407.8	407.8	407.6	407.5	407.4
170°	402.7	403.0	403.4	403.8	404.1	404.5	404.8	404.7	404.5	404.5	404.3
172.5°	400.1	400.8	401.4	401.9	402.4	402.9	403.5	403.2	402.8	402.5	402.0
175°	398.9	399.5	400.0	400.5	400.9	401.4	402.0	401.5	401.3	400.9	400.5
177.5°	402.1	402.8	403.5	404.1	404.9	405.5	406.3	405.6	405.0	404.3	403.7
180°	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4



TEST NUMBER: P1444792
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL40

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3
2.5°	9856.8	9861.7	9869.3	9876.2	9886.4	9894.5	9906.7	9916.0	9929.8	9938.7	9953.7
5°	9857.7	9877.0	9902.4	9927.1	9956.9	9983.9	10017.4	10046.0	10079.8	10107.2	10141.8
7.5°	9871.6	9908.9	9953.4	9998.3	10049.1	10096.6	10150.2	10198.6	10251.5	10296.5	10345.4
10°	9882.0	9939.3	10004.9	10071.1	10140.7	10205.3	10270.6	10326.9	10379.6	10423.1	10461.4
12.5°	9868.0	9947.0	10031.3	10112.7	10190.1	10257.0	10313.1	10356.5	10386.5	10406.8	10411.5
15°	9820.6	9915.7	10007.4	10088.4	10152.6	10202.1	10227.7	10239.7	10226.9	10205.4	10158.5
17.5°	9732.1	9832.3	9914.3	9978.2	10012.1	10025.6	10004.4	9967.4	9895.3	9815.2	9699.5
20°	9569.8	9663.2	9722.7	9757.5	9748.5	9714.8	9634.7	9537.3	9393.2	9239.6	9037.0
22.5°	9285.1	9366.8	9398.4	9401.0	9345.6	9261.6	9117.0	8949.9	8722.6	8486.3	8195.7
25°	8857.7	8929.3	8934.3	8906.2	8804.8	8668.6	8456.4	8219.9	7911.1	7596.2	7232.0
27.5°	8278.1	8346.7	8329.9	8277.5	8136.8	7954.6	7682.8	7377.4	6996.6	6624.7	6221.8
30°	7549.5	7622.9	7603.2	7535.9	7368.6	7153.2	6833.4	6478.6	6055.8	5658.5	5250.3
32.5°	6677.7	6770.4	6756.8	6692.8	6518.3	6287.8	5940.7	5564.4	5131.9	4740.4	4343.2
35°	5686.6	5799.2	5805.1	5763.3	5601.1	5373.4	5030.7	4666.5	4252.1	3882.8	3515.9
37.5°	4618.9	4749.5	4776.3	4765.0	4630.7	4429.6	4117.4	3790.6	3423.6	3099.9	2786.1
40°	3545.3	3677.5	3723.3	3736.9	3637.8	3482.0	3225.8	2962.1	2662.8	2400.6	2151.4
42.5°	2566.2	2683.3	2727.7	2755.5	2693.7	2589.8	2402.9	2211.4	1992.1	1803.0	1621.6
45°	1782.2	1865.2	1898.9	1926.9	1893.2	1834.6	1716.6	1596.8	1452.1	1328.4	1211.4
47.5°	1246.1	1291.8	1314.1	1327.7	1314.6	1284.0	1219.8	1150.4	1068.7	996.5	927.0
50°	923.6	947.9	959.6	967.4	957.9	941.0	906.2	868.4	823.6	782.7	742.6
52.5°	731.9	745.9	752.8	757.1	751.6	741.2	721.0	698.5	671.6	646.4	633.1
55°	616.7	615.9	631.8	624.2	631.8	614.6	611.1	586.4	564.0	548.4	531.3
57.5°	508.5	515.8	518.8	522.3	520.0	516.9	508.3	499.5	487.7	477.8	467.3
60°	440.2	446.2	449.5	452.9	452.7	451.5	446.5	441.2	434.0	428.0	421.7
62.5°	393.2	398.3	401.6	404.9	405.2	404.7	400.9	397.3	392.2	388.5	384.1
65°	356.1	359.7	361.9	364.6	364.5	363.7	360.4	357.3	353.2	350.6	347.3
67.5°	317.3	320.0	321.8	324.3	324.8	324.9	323.0	321.6	319.6	318.8	317.8
70°	289.7	293.1	295.9	299.1	300.7	301.5	300.7	300.0	298.8	298.3	297.5
72.5°	268.9	271.7	273.9	276.7	278.3	279.4	278.8	278.4	277.4	277.3	276.6
75°	243.0	244.9	246.1	248.3	249.1	250.1	249.7	250.0	249.7	250.4	250.4
77.5°	211.9	213.3	213.8	215.4	215.5	216.8	217.1	218.6	219.7	222.0	223.2
80°	176.7	177.7	177.7	179.2	180.0	182.1	183.2	185.6	186.7	188.8	189.0
82.5°	137.3	136.3	137.3	136.7	138.6	141.1	141.4	143.5	143.9	145.3	144.3
85°	93.9	93.8	93.0	93.1	92.5	92.8	92.4	92.8	92.4	92.5	91.5
87.5°	45.0	45.4	44.4	44.7	43.8	44.3	43.4	44.1	43.0	43.2	41.7
90°	37.3	38.8	40.1	41.6	43.3	47.2	51.1	55.1	59.2	63.2	67.2
92.5°	47.8	49.7	51.8	53.8	55.8	61.9	67.8	73.9	80.0	85.9	92.0
95°	54.9	56.6	58.4	60.3	62.0	70.7	79.5	88.1	96.9	105.6	114.3
97.5°	61.9	63.0	64.1	65.2	66.3	76.6	86.8	97.1	107.3	117.7	127.9
100°	71.3	72.6	73.9	75.4	76.7	100.3	124.0	147.6	171.2	194.8	218.5
102.5°	120.3	128.5	136.8	145.1	153.3	210.6	268.0	325.3	382.5	439.9	497.2
105°	285.1	312.9	341.0	368.8	396.7	483.4	570.3	657.0	743.7	830.5	917.3
107.5°	586.5	635.6	684.7	733.8	782.9	864.5	946.0	1027.7	1109.3	1190.8	1272.3
110°	903.1	945.4	987.9	1030.3	1072.7	1137.5	1202.4	1267.3	1332.2	1397.0	1461.8



TEST NUMBER: P1444792
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL40

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	1086.7	1112.5	1138.3	1164.2	1190.1	1237.7	1285.5	1333.1	1380.8	1428.4	1476.0
115°	1131.9	1145.6	1159.4	1173.2	1187.0	1216.0	1245.0	1273.8	1302.7	1331.6	1360.6
117.5°	1095.8	1100.9	1106.0	1111.0	1116.0	1131.1	1146.2	1161.2	1176.3	1191.4	1206.4
120°	1011.5	1011.4	1011.3	1011.1	1011.0	1016.0	1021.1	1026.0	1031.0	1036.0	1040.9
122.5°	916.2	913.2	910.2	907.1	904.2	903.0	902.0	900.9	900.0	898.8	897.7
125°	825.6	822.6	819.6	816.6	813.5	810.0	806.4	802.8	799.3	795.8	792.2
127.5°	747.4	744.8	742.2	739.5	736.9	732.8	728.9	724.8	720.8	716.8	712.7
130°	681.6	679.8	678.2	676.3	674.6	671.1	667.8	664.4	661.0	657.6	654.3
132.5°	632.7	631.7	630.5	629.4	628.3	625.3	622.4	619.5	616.5	613.5	610.6
135°	593.7	593.3	592.9	592.4	592.0	589.9	587.9	585.8	583.9	581.7	579.7
137.5°	560.8	561.0	561.3	561.5	561.8	560.2	558.5	556.9	555.4	553.8	552.1
140°	538.4	538.7	539.0	539.1	539.4	537.6	535.8	534.0	532.2	530.4	528.5
142.5°	515.8	516.1	516.3	516.6	516.9	515.5	514.2	512.9	511.6	510.3	509.0
145°	498.2	498.8	499.4	499.7	500.3	498.5	496.8	495.1	493.4	491.6	490.0
147.5°	481.6	482.0	482.6	483.2	483.7	482.2	480.7	479.2	477.8	476.3	475.0
150°	468.5	468.6	468.8	469.0	469.1	467.4	465.7	464.1	462.6	460.8	459.2
152.5°	455.7	455.9	456.0	456.2	456.4	454.6	452.8	451.0	449.1	447.2	445.4
155°	443.7	443.7	443.7	443.7	443.7	442.0	440.2	438.4	436.7	434.8	433.0
157.5°	433.0	433.1	433.2	433.2	433.3	431.7	430.1	428.7	427.1	425.4	423.8
160°	424.4	424.5	424.6	424.6	424.6	423.3	422.0	420.6	419.4	417.9	416.6
162.5°	417.7	417.9	417.9	418.0	418.1	416.8	415.4	414.1	412.8	411.4	410.1
165°	410.0	409.8	409.7	409.5	409.4	408.4	407.7	406.8	405.9	404.9	404.1
167.5°	407.3	407.0	406.9	406.8	406.7	406.0	405.5	404.7	404.1	403.3	402.7
170°	404.2	404.0	403.9	403.7	403.5	402.8	402.3	401.6	401.1	400.2	399.6
172.5°	401.7	401.3	401.0	400.6	400.1	399.7	399.2	398.8	398.5	398.0	397.5
175°	400.0	399.7	399.3	398.9	398.5	398.4	398.1	397.9	397.6	397.4	397.2
177.5°	403.0	402.5	401.7	401.1	400.5	400.3	400.0	399.9	399.8	399.5	399.3
180°	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4



TEST NUMBER: P1444792
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CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3
2.5°	9962.9	9901.4	9893.3	9897.6	9907.9	9911.7	9922.8	9925.8	9937.0	9939.7	9950.4
5°	10168.5	10087.2	10091.2	10110.8	10140.4	10158.0	10187.2	10202.4	10230.1	10242.8	10267.9
7.5°	10385.3	10321.4	10341.4	10374.3	10414.8	10442.8	10477.8	10500.6	10530.7	10549.4	10573.5
10°	10491.7	10474.2	10496.1	10522.1	10545.2	10563.3	10578.1	10589.9	10597.7	10605.0	10608.2
12.5°	10410.8	10437.8	10441.5	10439.0	10423.7	10412.1	10385.8	10368.0	10336.3	10317.0	10279.4
15°	10110.5	10170.0	10137.0	10087.1	10014.1	9953.1	9867.2	9803.1	9713.5	9652.8	9562.9
17.5°	9583.6	9658.6	9572.8	9457.2	9310.3	9184.6	9028.0	8903.8	8748.2	8635.0	8489.7
20°	8841.7	8911.9	8758.7	8567.2	8339.9	8148.5	7923.0	7743.0	7533.4	7377.4	7189.2
22.5°	7918.1	7968.1	7752.1	7494.1	7204.4	6965.4	6695.7	6480.0	6240.6	6062.4	5861.7
25°	6896.2	6909.7	6650.7	6353.4	6030.5	5761.9	5474.0	5247.1	5003.1	4822.4	4625.5
27.5°	5864.8	5845.1	5565.1	5249.8	4910.2	4631.1	4350.2	4137.6	3923.9	3761.1	3591.5
30°	4891.4	4843.4	4552.8	4228.6	3899.1	3648.9	3415.7	3245.0	3075.0	2945.9	2809.7
32.5°	3998.7	3931.1	3648.1	3344.5	3066.8	2873.7	2700.7	2571.6	2434.3	2325.2	2211.0
35°	3208.0	3135.9	2885.3	2627.9	2417.7	2275.4	2139.4	2033.5	1917.0	1824.9	1725.7
37.5°	2529.4	2470.4	2260.5	2057.8	1898.9	1788.6	1677.2	1590.6	1494.3	1453.7	1347.7
40°	1952.7	1911.5	1747.3	1598.0	1478.5	1426.7	1313.7	1232.8	1160.8	1101.5	1043.9
42.5°	1523.1	1508.5	1348.7	1232.3	1148.3	1082.9	1020.0	968.8	919.1	878.2	839.5
45°	1117.8	1106.2	1035.2	968.1	910.8	865.1	822.5	787.4	754.8	727.9	703.4
47.5°	870.4	866.7	825.8	784.2	748.1	718.8	691.1	667.8	646.2	628.2	622.3
50°	708.0	707.5	683.5	657.7	632.0	615.1	597.5	583.7	569.8	559.0	547.6
52.5°	601.5	598.9	582.7	566.8	551.6	540.4	529.2	520.3	511.2	504.5	497.4
55°	517.8	520.6	511.2	501.7	492.2	485.3	477.4	471.5	465.3	461.1	456.8
57.5°	459.7	463.3	458.5	453.1	447.3	442.7	437.2	433.2	429.0	426.3	423.9
60°	417.5	421.4	419.4	416.7	413.1	410.4	406.9	404.7	402.0	400.5	399.1
62.5°	381.6	386.5	385.8	384.6	382.3	380.8	378.8	377.9	376.0	375.4	374.7
65°	345.8	351.3	351.2	350.6	349.4	348.9	347.7	347.5	346.6	346.9	346.9
67.5°	317.6	322.4	323.6	324.3	324.3	324.6	324.5	325.0	325.0	325.6	326.1
70°	297.3	300.7	301.5	302.3	302.5	303.2	303.2	303.6	303.4	304.1	304.2
72.5°	276.8	281.3	282.0	282.7	282.7	283.3	282.9	282.8	282.0	281.8	281.2
75°	251.3	256.9	258.2	259.0	259.1	259.6	258.9	258.3	256.9	256.3	255.3
77.5°	224.5	230.5	231.3	231.6	231.1	231.2	229.7	228.5	226.7	225.9	224.9
80°	189.9	198.5	199.2	198.6	197.3	197.0	195.6	194.5	192.3	191.5	190.6
82.5°	144.5	154.7	156.1	156.7	155.6	155.9	154.4	153.7	151.7	151.3	150.0
85°	91.2	101.4	103.0	102.8	101.7	101.5	100.6	100.9	100.7	101.3	101.5
87.5°	41.9	51.7	54.1	53.4	53.3	52.5	51.0	51.6	52.5	53.1	53.2
90°	71.2	78.1	82.0	78.7	74.5	71.2	67.1	63.8	59.8	56.6	52.6
92.5°	98.0	104.0	110.0	104.6	99.3	93.9	88.6	83.2	77.9	72.5	67.2
95°	123.0	131.6	140.3	133.1	126.0	118.8	111.6	104.5	97.4	90.2	83.1
97.5°	138.2	148.3	158.6	151.4	144.3	137.0	129.9	122.8	115.6	108.4	101.4
100°	242.0	265.6	289.2	268.9	248.6	228.3	208.0	187.6	167.3	147.1	126.8
102.5°	554.4	611.7	668.9	617.6	566.3	514.9	463.6	412.3	361.0	309.6	258.3
105°	1003.9	1090.6	1177.2	1098.9	1020.5	942.2	863.8	785.5	707.1	628.8	550.4
107.5°	1354.1	1435.4	1516.8	1446.0	1375.3	1304.5	1233.7	1163.1	1092.3	1021.5	950.7
110°	1526.7	1591.2	1655.9	1608.4	1561.2	1513.6	1466.3	1418.9	1371.6	1324.2	1276.9



TEST NUMBER: P1444792
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL40

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	1523.6	1570.9	1618.4	1590.7	1563.2	1535.6	1508.1	1480.5	1453.0	1425.4	1397.9
115°	1389.4	1417.8	1446.5	1435.8	1425.1	1414.4	1403.8	1393.2	1382.6	1371.9	1361.4
117.5°	1221.3	1235.7	1250.6	1249.1	1247.5	1245.9	1244.4	1242.8	1241.3	1239.8	1238.3
120°	1045.9	1050.2	1054.9	1056.8	1058.8	1060.8	1062.8	1064.8	1066.8	1068.8	1070.8
122.5°	896.6	894.8	893.4	895.4	897.4	899.2	901.3	903.0	905.1	907.1	909.1
125°	788.6	784.2	780.3	779.1	778.0	776.7	775.5	774.3	773.1	771.9	770.8
127.5°	708.7	703.9	699.5	695.8	692.1	688.4	684.8	681.1	677.5	673.8	670.1
130°	650.8	646.6	642.9	638.1	633.3	628.4	623.6	618.9	614.0	609.3	604.5
132.5°	607.7	603.7	600.5	596.0	591.4	586.8	582.2	577.6	573.1	568.4	563.8
135°	577.6	574.5	572.2	568.0	564.1	559.9	555.7	551.6	547.5	543.3	539.3
137.5°	550.5	547.7	545.9	542.8	539.6	536.3	533.3	529.9	526.8	523.4	520.3
140°	526.8	523.8	521.7	520.2	518.6	517.0	515.4	513.7	512.1	510.5	508.9
142.5°	507.7	505.0	503.5	502.6	501.8	500.8	500.0	499.1	498.2	497.1	496.3
145°	488.2	485.1	483.2	483.3	483.7	483.9	484.2	484.5	484.7	484.9	485.2
147.5°	473.5	470.4	468.6	469.2	469.7	470.3	470.9	471.3	471.9	472.4	473.0
150°	457.5	454.1	451.9	452.8	453.5	454.4	455.2	456.0	456.8	457.6	458.4
152.5°	443.6	439.6	437.1	438.0	438.8	439.6	440.5	441.3	442.2	443.1	443.9
155°	431.2	426.9	424.5	424.8	425.2	425.6	425.9	426.4	426.9	427.3	427.8
157.5°	422.2	418.0	415.8	415.8	416.1	416.2	416.4	416.6	416.9	417.1	417.5
160°	415.3	411.2	409.2	409.2	409.5	409.6	409.7	409.9	410.2	410.4	410.7
162.5°	408.7	404.7	402.7	402.8	402.9	403.0	403.2	403.3	403.5	403.7	404.0
165°	403.0	399.9	398.3	398.6	398.9	399.2	399.6	400.0	400.4	400.8	401.3
167.5°	402.0	399.2	398.0	397.9	397.7	397.6	397.6	397.5	397.5	397.4	397.4
170°	398.8	396.6	395.5	395.6	395.9	395.9	396.0	396.3	396.4	396.6	396.9
172.5°	397.1	395.4	394.6	395.0	395.5	395.9	396.3	396.7	397.2	397.5	398.0
175°	397.0	395.9	395.7	395.8	396.0	396.2	396.5	396.7	397.0	397.2	397.5
177.5°	399.1	398.7	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.5	398.5
180°	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4



TEST NUMBER: P1444792
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL40

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3
2.5°	9952.5	9964.0	9963.2	9974.0	9973.5	9983.7	9981.7	9990.5	9988.5	9996.0	9991.5
5°	10278.9	10301.0	10308.3	10328.2	10332.3	10350.1	10350.5	10364.7	10363.0	10374.1	10368.2
7.5°	10587.8	10608.4	10618.2	10633.6	10641.3	10654.1	10659.1	10669.7	10672.2	10678.4	10678.2
10°	10613.8	10613.8	10618.5	10616.4	10620.8	10618.2	10623.6	10621.6	10629.4	10627.4	10633.2
12.5°	10263.1	10228.4	10215.6	10184.4	10177.5	10150.7	10152.6	10135.4	10143.7	10133.1	10151.1
15°	9509.4	9428.7	9388.8	9318.6	9296.6	9241.1	9236.6	9199.7	9209.7	9190.4	9218.5
17.5°	8395.7	8268.5	8198.9	8096.3	8055.7	7977.1	7961.4	7914.0	7921.3	7897.5	7931.5
20°	7067.8	6914.2	6826.3	6707.7	6654.8	6561.2	6536.4	6483.3	6490.0	6466.3	6504.7
22.5°	5724.8	5564.0	5464.7	5340.4	5272.9	5184.9	5158.5	5105.2	5108.2	5085.9	5122.9
25°	4490.6	4336.4	4240.0	4127.2	4068.6	3987.9	3960.1	3912.3	3915.0	3896.6	3929.8
27.5°	3473.8	3347.3	3266.6	3172.1	3119.5	3053.2	3026.2	2985.9	2985.7	2972.3	3000.1
30°	2714.6	2609.1	2536.6	2454.2	2404.9	2345.0	2318.9	2282.9	2281.3	2271.7	2293.8
32.5°	2125.5	2031.5	1965.5	1893.0	1848.8	1797.3	1772.6	1743.7	1741.1	1732.4	1750.5
35°	1652.3	1573.2	1516.4	1455.3	1459.9	1384.1	1396.7	1337.8	1321.9	1318.4	1331.9
37.5°	1277.0	1215.8	1169.6	1123.9	1092.9	1061.0	1043.7	1028.3	1026.5	1025.0	1034.4
40°	999.6	956.7	923.2	891.8	870.4	851.0	840.2	831.7	829.6	828.5	834.2
42.5°	808.9	780.1	758.5	739.3	726.3	715.7	709.8	705.1	703.5	703.6	706.9
45°	683.5	665.9	652.0	640.1	631.8	635.5	624.8	630.4	623.0	630.6	625.6
47.5°	601.9	586.9	578.4	569.9	564.9	560.9	561.0	561.1	562.7	562.9	564.6
50°	539.0	530.3	524.3	518.9	516.3	514.2	514.9	515.5	517.1	517.2	518.4
52.5°	492.4	486.7	483.1	479.7	478.6	477.4	477.8	477.7	478.3	478.0	479.0
55°	454.5	451.8	450.6	449.4	449.6	449.2	449.4	448.3	447.6	446.6	447.5
57.5°	423.3	423.0	423.7	424.3	425.7	426.2	426.5	425.1	423.8	422.6	423.3
60°	399.4	400.0	401.8	403.4	405.5	406.4	406.9	406.2	405.3	404.2	404.8
62.5°	375.7	376.7	378.9	380.7	383.1	384.4	385.8	385.9	386.3	385.9	386.3
65°	348.2	349.4	351.4	352.9	355.2	356.4	357.8	358.0	358.9	358.7	359.3
67.5°	327.4	328.4	330.2	331.5	333.5	334.7	336.0	336.0	336.4	336.3	337.0
70°	305.2	305.7	307.3	308.4	310.4	311.6	313.0	313.5	314.4	314.5	315.3
72.5°	281.5	281.3	282.1	282.7	284.2	285.2	287.0	288.1	289.6	289.9	290.5
75°	255.6	255.4	256.5	256.9	258.3	259.2	261.3	262.6	265.1	266.0	265.7
77.5°	225.7	226.2	228.3	229.4	231.1	232.4	235.1	237.2	241.6	243.5	241.6
80°	192.3	192.8	194.9	196.0	198.3	199.7	202.8	205.3	209.2	210.1	209.0
82.5°	151.1	151.3	153.2	154.0	157.0	159.1	163.0	165.0	167.4	167.0	166.8
85°	103.0	104.4	106.9	109.2	112.9	116.4	120.0	123.0	120.9	124.2	120.5
87.5°	55.1	55.0	58.1	57.7	62.8	65.8	68.8	70.3	72.1	71.7	71.7
90°	49.6	47.1	45.7	43.1	41.9	39.3	38.3	35.9	35.0	32.3	35.8
92.5°	61.8	58.9	56.0	53.1	50.2	47.2	44.3	41.5	38.6	35.7	38.6
95°	75.9	73.2	70.6	67.9	65.2	62.6	59.9	57.2	54.6	51.9	55.2
97.5°	94.2	92.6	91.0	89.5	87.9	86.4	84.8	83.3	81.7	80.1	82.4
100°	106.5	106.5	106.5	106.5	106.4	106.4	106.4	106.4	106.4	106.4	108.2
102.5°	207.0	201.9	196.8	191.5	186.4	181.2	176.1	171.0	165.8	160.7	168.3
105°	472.2	452.1	432.0	412.0	391.8	371.7	351.6	331.6	311.4	291.4	312.2
107.5°	880.0	843.3	806.8	770.2	733.5	697.0	660.4	623.7	587.2	550.6	583.4
110°	1229.5	1190.6	1151.9	1113.0	1074.2	1035.3	996.6	957.7	919.0	880.1	911.3



TEST NUMBER: P1444792
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL40

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	1370.4	1345.3	1320.3	1295.3	1270.3	1245.2	1220.3	1195.3	1170.3	1145.4	1160.6
115°	1350.7	1338.9	1326.9	1315.1	1303.2	1291.4	1279.5	1267.7	1255.9	1244.0	1245.0
117.5°	1236.9	1232.9	1229.0	1225.2	1221.4	1217.5	1213.7	1209.9	1206.0	1202.3	1193.8
120°	1073.0	1074.4	1075.8	1077.3	1078.8	1080.3	1081.7	1083.2	1084.8	1086.4	1075.0
122.5°	911.1	914.2	917.5	920.7	923.9	927.3	930.5	933.9	937.2	940.6	929.2
125°	769.5	772.7	775.9	779.1	782.3	785.6	788.9	792.3	795.5	799.0	789.4
127.5°	666.5	667.9	669.2	670.5	671.9	673.5	675.0	676.4	678.0	679.6	673.6
130°	599.7	599.0	598.3	597.7	597.0	596.5	596.0	595.5	595.0	594.6	591.8
132.5°	559.3	557.2	555.3	553.1	551.2	549.3	547.4	545.6	543.7	542.0	541.1
135°	535.1	532.2	529.2	526.4	523.4	520.7	517.8	515.2	512.5	509.8	510.1
137.5°	517.1	514.2	511.3	508.4	505.4	502.7	499.9	497.1	494.5	491.9	492.7
140°	507.3	504.3	501.3	498.5	495.7	492.8	490.0	487.4	484.6	482.1	482.6
142.5°	495.4	492.7	490.0	487.4	484.8	482.2	479.7	477.3	474.8	472.4	473.0
145°	485.5	483.5	481.6	479.5	477.7	475.9	473.9	472.2	470.4	468.7	468.9
147.5°	473.5	472.1	470.5	469.1	467.7	466.3	464.9	463.6	462.2	461.0	461.1
150°	459.2	458.3	457.3	456.3	455.4	454.5	453.6	452.7	451.8	451.0	450.8
152.5°	444.8	443.8	442.9	442.0	441.1	440.2	439.4	438.5	437.8	436.8	436.8
155°	428.3	427.8	427.3	427.0	426.5	426.1	425.7	425.5	425.0	424.6	424.6
157.5°	417.7	417.5	417.2	417.2	416.9	416.8	416.5	416.5	416.3	416.3	416.4
160°	410.9	410.6	410.1	409.9	409.5	409.1	408.7	408.5	408.2	407.8	408.1
162.5°	404.1	404.3	404.3	404.4	404.5	404.6	404.7	404.8	404.9	405.1	405.2
165°	401.7	401.5	401.4	401.2	401.1	400.9	400.8	400.7	400.5	400.5	400.8
167.5°	397.4	397.6	397.9	398.1	398.3	398.7	398.9	399.2	399.5	399.9	400.1
170°	397.0	397.0	397.0	397.0	397.0	397.1	397.1	397.1	397.2	397.3	397.4
172.5°	398.5	398.5	398.4	398.5	398.4	398.5	398.5	398.5	398.5	398.6	398.7
175°	397.6	397.9	398.2	398.4	398.6	398.8	399.0	399.2	399.5	399.7	399.7
177.5°	398.5	398.5	398.5	398.5	398.5	398.6	398.6	398.6	398.6	398.5	398.7
180°	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4



TEST NUMBER: P1444792
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL40

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3
2.5°	9998.9	9993.9	9999.0	9993.9	9999.0	9992.8	9997.0	9990.3	9992.0	9985.0	9986.8
5°	10376.9	10369.0	10373.2	10362.9	10364.0	10350.1	10349.9	10333.8	10329.5	10311.2	10303.2
7.5°	10682.7	10680.1	10681.6	10674.9	10674.1	10664.6	10660.2	10646.8	10638.5	10621.6	10610.0
10°	10634.3	10642.1	10644.1	10652.1	10653.7	10661.6	10663.2	10671.1	10672.7	10678.5	10678.6
12.5°	10150.3	10176.7	10183.1	10215.8	10229.6	10266.9	10287.0	10328.2	10352.6	10393.8	10419.1
15°	9217.8	9263.6	9281.9	9345.7	9381.0	9455.6	9502.3	9587.9	9648.3	9739.1	9804.0
17.5°	7934.5	7998.5	8027.3	8113.9	8170.3	8280.4	8359.6	8490.1	8590.0	8734.9	8849.9
20°	6511.4	6582.4	6621.7	6720.3	6787.0	6915.5	7014.5	7174.8	7308.5	7492.3	7649.4
22.5°	5134.6	5202.2	5245.7	5346.2	5421.2	5555.2	5665.9	5835.1	5984.9	6191.9	6380.3
25°	3942.4	4004.4	4043.7	4134.5	4205.1	4328.2	4433.8	4596.6	4743.2	4950.9	5144.0
27.5°	3013.9	3065.9	3103.8	3181.2	3243.3	3347.8	3438.5	3573.0	3699.4	3879.0	4051.1
30°	2307.4	2353.4	2390.3	2457.8	2515.4	2606.0	2685.7	2798.8	2903.3	3046.2	3183.1
32.5°	1763.2	1802.8	1835.7	1894.8	1947.0	2028.6	2100.5	2199.5	2289.2	2410.4	2523.1
35°	1344.4	1422.3	1416.8	1498.4	1511.4	1569.9	1634.1	1720.7	1800.1	1903.3	1999.0
37.5°	1043.4	1065.4	1088.9	1124.9	1162.8	1216.0	1270.2	1375.9	1414.8	1492.7	1572.0
40°	841.5	856.3	871.8	896.1	922.6	960.2	999.6	1050.1	1101.8	1164.9	1229.5
42.5°	711.4	719.8	729.7	743.9	760.3	784.1	810.4	844.6	880.7	925.1	970.5
45°	635.6	631.6	634.5	642.2	652.1	666.5	683.2	704.3	727.8	756.6	787.2
47.5°	564.9	566.5	567.4	571.6	576.9	586.6	596.6	611.1	638.8	647.2	664.0
50°	518.3	519.0	518.7	520.9	523.6	529.8	536.3	546.1	555.8	568.8	581.1
52.5°	479.1	480.2	480.1	481.5	482.9	486.9	491.0	497.9	504.3	512.5	519.5
55°	448.2	449.7	450.4	451.5	452.2	454.3	455.9	459.2	461.9	466.6	470.9
57.5°	424.5	426.5	427.4	427.9	427.1	427.0	426.4	427.1	427.6	430.1	432.6
60°	405.7	407.4	407.7	407.4	405.9	404.8	403.0	402.5	402.2	403.4	404.7
62.5°	386.2	386.8	386.4	385.9	384.1	383.1	381.2	380.6	379.9	380.9	381.5
65°	359.1	359.6	359.1	358.8	357.3	356.4	354.9	354.3	353.5	353.7	353.6
67.5°	337.1	337.6	337.3	336.8	335.8	335.2	334.1	333.3	332.3	331.9	331.1
70°	315.2	315.5	315.0	314.5	313.3	312.8	311.8	311.5	310.7	310.5	309.7
72.5°	289.9	290.0	289.1	288.9	288.0	287.9	287.5	287.9	287.9	288.3	288.1
75°	264.2	263.8	262.7	262.5	261.8	262.2	261.7	262.4	262.4	263.3	263.5
77.5°	238.3	237.0	234.9	233.9	232.5	232.4	231.5	232.1	231.9	233.0	233.5
80°	205.7	204.0	201.3	200.1	198.4	198.2	197.4	198.2	197.8	199.1	200.0
82.5°	164.2	162.8	160.1	159.0	157.1	157.3	156.4	157.3	157.2	159.0	160.1
85°	121.5	120.6	117.7	115.2	112.4	110.7	109.1	108.8	108.3	109.1	109.7
87.5°	70.2	69.3	67.1	65.6	60.7	60.8	58.9	58.8	58.3	57.9	58.9
90°	37.3	40.4	42.1	45.2	47.0	50.2	52.1	55.2	57.5	61.2	63.6
92.5°	41.5	44.3	47.2	50.2	53.1	56.0	58.9	61.8	68.0	74.2	80.5
95°	58.6	62.0	65.3	68.6	71.9	75.3	78.6	82.0	91.1	100.2	109.4
97.5°	84.6	86.8	89.1	91.3	93.5	95.8	98.0	100.2	110.0	119.9	129.7
100°	109.9	111.7	113.5	115.3	117.1	118.9	120.6	122.4	141.5	160.4	179.4
102.5°	175.9	183.4	191.1	198.6	206.4	213.9	221.5	229.1	272.6	316.1	359.6
105°	332.9	353.7	374.5	395.2	416.0	436.8	457.4	478.2	547.8	617.4	687.1
107.5°	616.2	649.0	681.8	714.6	747.4	780.2	813.0	845.8	913.7	981.6	1049.4
110°	942.5	973.8	1005.0	1036.4	1067.6	1098.8	1130.0	1161.3	1202.0	1242.6	1283.2



TEST NUMBER: P1444792
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL40

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	1175.7	1190.8	1206.0	1221.3	1236.5	1251.7	1266.9	1282.1	1302.3	1322.5	1342.7
115°	1245.9	1246.8	1247.7	1248.7	1249.5	1250.5	1251.5	1252.5	1258.7	1264.8	1271.0
117.5°	1185.3	1176.9	1168.5	1160.2	1151.8	1143.4	1135.0	1126.7	1125.1	1123.5	1121.8
120°	1063.8	1052.5	1041.2	1029.7	1018.6	1007.3	996.1	984.9	978.9	972.8	966.9
122.5°	918.0	906.6	895.4	884.0	872.8	861.6	850.5	839.3	834.9	830.4	826.1
125°	779.8	770.4	760.9	751.4	742.1	732.6	723.3	714.0	713.2	712.2	711.5
127.5°	667.7	661.7	655.9	650.1	644.2	638.5	632.8	627.0	628.7	630.4	632.0
130°	589.0	586.2	583.6	580.7	578.2	575.6	573.0	570.4	573.9	577.2	580.9
132.5°	540.4	539.7	539.1	538.3	537.7	537.2	536.6	536.1	540.3	544.3	548.5
135°	510.4	510.8	511.4	511.8	512.4	512.8	513.4	513.9	517.9	521.7	525.7
137.5°	493.5	494.2	495.2	496.1	497.0	498.0	499.0	499.9	503.0	506.0	509.0
140°	483.2	483.7	484.5	485.1	485.9	486.5	487.3	488.0	490.4	492.7	495.0
142.5°	473.6	474.0	474.8	475.4	476.2	476.7	477.5	478.2	479.8	481.4	483.1
145°	469.4	469.6	470.1	470.5	470.9	471.4	471.9	472.3	473.3	474.0	475.0
147.5°	461.2	461.3	461.4	461.6	461.9	462.1	462.3	462.5	462.8	463.3	463.8
150°	450.7	450.6	450.6	450.5	450.5	450.5	450.5	450.4	450.7	451.2	451.6
152.5°	436.7	436.6	436.4	436.3	436.2	436.2	436.0	436.0	436.4	436.8	437.2
155°	424.8	424.9	425.1	425.2	425.4	425.5	425.7	425.8	425.9	426.0	426.2
157.5°	416.4	416.5	416.7	416.8	417.0	417.1	417.2	417.4	417.6	417.7	417.7
160°	408.4	408.8	409.1	409.6	409.8	410.1	410.6	410.9	411.0	411.1	411.3
162.5°	405.4	405.5	405.6	405.7	405.8	406.0	406.1	406.3	406.7	407.0	407.3
165°	401.2	401.5	401.9	402.2	402.6	402.9	403.3	403.7	403.8	403.9	404.1
167.5°	400.5	400.8	401.3	401.5	402.0	402.3	402.8	403.0	403.1	403.2	403.4
170°	397.9	398.2	398.6	398.8	399.2	399.5	400.0	400.1	400.5	400.9	401.2
172.5°	399.1	399.3	399.7	399.9	400.2	400.5	400.9	401.2	401.4	401.8	402.0
175°	399.7	399.7	399.7	399.8	399.8	399.8	399.8	399.9	400.0	400.0	400.0
177.5°	398.9	399.1	399.3	399.6	399.8	400.0	400.2	400.4	400.4	400.4	400.4
180°	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4



TEST NUMBER: P1444792
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL40

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3
2.5°	9979.8	9980.3	9972.2	9971.8	9964.2	9963.3	9955.9	9953.7	9947.7	9945.6	9939.4
5°	10282.6	10272.8	10250.2	10236.8	10214.4	10199.6	10175.3	10159.5	10136.1	10118.5	10094.9
7.5°	10588.8	10573.6	10548.2	10527.5	10496.5	10471.7	10435.4	10405.5	10366.1	10332.0	10290.7
10°	10678.6	10676.3	10669.8	10660.4	10645.9	10629.7	10604.9	10579.1	10544.6	10507.1	10461.2
12.5°	10457.6	10481.5	10514.1	10533.4	10556.8	10567.1	10576.7	10574.3	10567.9	10549.0	10522.5
15°	9897.9	9964.9	10053.7	10122.5	10201.7	10259.2	10322.7	10362.3	10401.8	10420.1	10431.3
17.5°	9007.3	9134.3	9293.5	9425.5	9577.7	9700.0	9834.0	9934.9	10038.7	10113.0	10180.2
20°	7863.6	8047.5	8272.6	8471.5	8702.9	8903.8	9124.2	9305.0	9491.4	9637.2	9775.3
22.5°	6622.9	6841.4	7113.6	7365.7	7663.9	7931.8	8234.3	8497.4	8772.1	9001.7	9223.6
25°	5402.9	5642.4	5940.1	6221.4	6559.2	6870.9	7229.5	7557.4	7912.6	8220.8	8525.4
27.5°	4288.8	4524.1	4828.0	5127.4	5484.5	5816.6	6200.8	6562.2	6966.6	7339.4	7720.8
30°	3373.2	3572.7	3845.2	4135.3	4487.5	4825.5	5213.9	5585.4	6006.0	6413.2	6842.8
32.5°	2672.5	2824.5	3038.7	3284.0	3608.9	3930.7	4300.5	4659.3	5073.5	5484.7	5931.6
35°	2122.5	2241.0	2404.3	2595.8	2871.0	3148.3	3475.4	3801.6	4188.0	4578.3	5012.6
37.5°	1673.7	1769.8	1897.8	2041.6	2262.3	2489.9	2758.1	3028.6	3364.4	3710.3	4103.9
40°	1306.9	1384.8	1484.4	1591.6	1758.3	1933.7	2141.1	2350.8	2620.6	2903.4	3229.1
42.5°	1026.7	1084.2	1154.5	1232.8	1388.3	1481.5	1622.2	1773.9	1972.2	2177.4	2422.4
45°	824.5	863.7	912.5	965.1	1037.3	1116.2	1212.5	1313.6	1502.0	1594.4	1743.4
47.5°	688.6	714.9	746.0	779.0	821.6	867.5	924.7	983.1	1058.6	1136.9	1228.7
50°	597.0	623.7	634.5	651.6	676.2	702.5	734.7	766.8	807.4	848.4	895.7
52.5°	529.1	537.7	549.4	560.3	575.5	605.4	615.1	631.8	654.6	676.8	701.6
55°	477.1	482.8	490.3	496.9	506.2	515.0	527.7	539.0	554.0	567.5	584.0
57.5°	436.8	440.4	445.6	449.9	455.9	460.9	468.3	474.4	483.2	490.7	500.7
60°	407.4	409.8	413.3	416.2	419.9	422.5	426.2	429.1	433.7	437.5	443.1
62.5°	383.4	384.7	387.0	388.6	391.0	392.3	394.3	395.6	398.1	400.0	403.1
65°	354.7	355.0	356.4	357.2	359.1	359.8	361.4	361.9	364.1	365.5	368.2
67.5°	331.1	330.5	330.5	329.9	330.2	329.6	329.8	329.2	330.0	330.5	332.5
70°	309.6	308.7	308.4	307.3	307.1	306.0	305.8	304.8	304.7	304.5	305.2
72.5°	288.6	288.3	288.4	287.7	287.6	286.9	286.9	286.6	287.0	287.2	288.2
75°	264.5	264.5	265.1	264.4	264.6	264.0	264.2	263.7	263.9	263.8	264.8
77.5°	235.1	235.8	237.1	236.8	237.2	236.5	236.8	236.1	236.4	235.8	236.2
80°	202.1	203.6	205.2	205.2	206.0	205.4	206.1	205.4	205.7	204.8	204.6
82.5°	162.9	164.2	166.0	166.0	167.7	168.0	169.7	169.7	170.8	170.1	169.6
85°	111.3	112.2	113.8	114.7	116.4	117.4	119.1	119.8	118.5	120.8	119.1
87.5°	58.1	60.3	59.1	62.0	61.3	64.1	63.5	66.1	65.6	67.9	67.6
90°	67.7	70.4	74.5	77.2	81.8	84.8	83.1	79.7	78.0	74.5	72.9
92.5°	86.6	93.1	99.3	105.6	111.8	118.0	112.3	106.5	100.6	94.8	89.1
95°	118.5	127.7	136.9	146.0	155.1	164.2	154.5	144.6	134.8	125.0	115.2
97.5°	139.5	149.3	159.1	168.9	178.8	188.6	176.9	165.4	153.7	142.3	130.6
100°	198.3	217.4	236.3	255.3	274.3	293.3	271.7	250.0	228.4	206.8	185.1
102.5°	403.2	446.6	490.1	533.7	577.2	620.8	574.8	529.0	483.0	437.0	391.1
105°	756.7	826.4	896.0	965.7	1035.2	1104.9	1030.5	956.1	881.5	807.1	732.6
107.5°	1117.3	1185.1	1253.1	1320.9	1388.8	1456.7	1381.2	1305.6	1230.1	1154.5	1078.9
110°	1324.0	1364.7	1405.4	1446.0	1486.7	1527.5	1472.3	1417.0	1361.9	1306.5	1251.3



TEST NUMBER: P1444792
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL40

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	1362.8	1383.1	1403.2	1423.6	1443.7	1464.0	1424.4	1384.9	1345.1	1305.6	1266.0
115°	1277.3	1283.3	1289.6	1295.8	1302.0	1308.2	1281.3	1254.6	1227.6	1200.8	1174.0
117.5°	1120.2	1118.7	1117.1	1115.6	1113.9	1112.4	1097.2	1082.0	1066.6	1051.5	1036.2
120°	960.9	954.8	948.8	942.8	936.8	930.8	924.1	917.4	910.6	903.9	897.1
122.5°	821.6	817.2	812.9	808.5	803.9	799.5	796.6	793.8	790.8	787.9	784.9
125°	710.8	709.9	709.1	708.2	707.4	706.6	704.8	703.0	701.2	699.5	697.6
127.5°	633.6	635.4	637.0	638.6	640.3	641.9	641.0	640.2	639.3	638.5	637.5
130°	584.2	587.8	591.1	594.7	597.9	601.5	600.2	598.9	597.6	596.3	594.9
132.5°	552.7	556.7	560.8	564.9	569.0	573.1	571.6	570.1	568.5	567.1	565.5
135°	529.5	533.5	537.3	541.3	545.0	548.8	547.1	545.4	543.5	541.9	540.2
137.5°	511.9	515.0	517.9	520.8	523.8	526.8	524.9	523.2	521.4	519.8	518.0
140°	497.2	499.5	501.7	504.1	506.3	508.6	506.5	504.6	502.5	500.6	498.6
142.5°	484.5	486.2	487.7	489.3	490.9	492.5	490.0	487.5	485.0	482.6	480.2
145°	475.9	476.8	477.7	478.6	479.3	480.3	477.5	474.9	472.1	469.4	466.6
147.5°	464.1	464.6	464.9	465.3	465.6	466.1	463.5	461.0	458.5	455.9	453.3
150°	451.8	452.4	452.7	453.0	453.4	453.7	451.1	448.6	446.0	443.4	440.9
152.5°	437.6	438.0	438.3	438.6	439.0	439.3	436.9	434.5	432.2	429.8	427.3
155°	426.3	426.5	426.6	426.7	426.8	426.9	424.8	423.0	421.0	419.1	417.0
157.5°	417.8	418.0	418.1	418.2	418.3	418.4	416.8	415.3	413.8	412.3	410.8
160°	411.4	411.5	411.6	411.7	411.8	411.9	410.6	409.3	408.1	406.8	405.4
162.5°	407.7	408.1	408.4	408.6	409.1	409.3	407.8	406.3	404.8	403.2	401.6
165°	404.1	404.2	404.3	404.4	404.5	404.6	403.5	402.5	401.4	400.3	399.3
167.5°	403.5	403.6	403.7	403.8	403.8	403.9	402.8	401.8	400.7	399.6	398.5
170°	401.4	401.8	402.1	402.3	402.7	402.8	402.0	401.2	400.2	399.5	398.6
172.5°	402.3	402.7	402.8	403.1	403.4	403.7	402.8	401.9	401.0	400.1	399.2
175°	400.0	400.0	400.1	400.1	400.1	400.1	399.5	398.8	398.2	397.5	396.8
177.5°	400.4	400.4	400.4	400.4	400.4	400.4	400.0	399.5	399.1	398.7	398.1
180°	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4



TEST NUMBER: P1444792
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL40

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3
2.5°	9937.3	9933.0	9930.2	9926.7	9924.5	9921.7	9919.8	9918.0	9916.6	9915.3	9914.4
5°	10077.1	10054.9	10037.6	10018.9	10003.6	9988.3	9976.5	9966.7	9960.0	9954.9	9951.9
7.5°	10255.0	10214.3	10178.1	10140.0	10105.9	10072.4	10043.5	10018.5	9999.8	9987.7	9980.4
10°	10413.8	10359.4	10305.6	10248.9	10195.2	10143.1	10094.9	10052.6	10019.2	9996.9	9984.0
12.5°	10485.0	10438.7	10383.7	10322.2	10256.4	10189.8	10124.8	10066.2	10017.1	9984.2	9965.1
15°	10422.3	10403.3	10366.0	10318.3	10255.7	10186.9	10110.7	10038.9	9973.1	9930.3	9905.5
17.5°	10218.3	10244.8	10242.0	10223.8	10178.8	10120.8	10043.1	9962.6	9880.2	9823.1	9791.9
20°	9874.0	9957.5	9999.8	10021.6	10003.9	9966.4	9896.0	9814.3	9718.3	9643.6	9598.1
22.5°	9390.1	9537.5	9629.5	9696.7	9710.9	9698.2	9636.0	9558.3	9451.2	9361.5	9294.3
25°	8767.2	8983.2	9128.4	9242.3	9286.5	9297.9	9245.1	9167.9	9048.4	8944.0	8851.6
27.5°	8033.5	8314.2	8508.1	8661.0	8730.2	8760.1	8711.4	8632.6	8491.3	8366.6	8246.0
30°	7207.5	7540.6	7774.0	7957.5	8041.6	8081.2	8029.5	7941.5	7777.1	7627.0	7475.1
32.5°	6323.4	6687.8	6942.3	7141.4	7224.8	7262.1	7194.4	7095.7	6905.6	6728.9	6551.6
35°	5397.8	5765.6	6022.2	6216.1	6286.0	6308.5	6222.0	6107.8	5897.2	5703.3	5509.9
37.5°	4453.3	4795.6	5028.7	5202.7	5246.0	5249.8	5145.7	5019.5	4798.3	4607.0	4414.6
40°	3517.0	3805.6	3993.9	4133.2	4148.2	4134.7	4021.5	3894.6	3687.5	3516.2	3347.3
42.5°	2635.0	2852.9	2987.2	3082.6	3076.9	3050.5	2946.7	2837.5	2666.7	2536.2	2403.4
45°	1879.4	2023.1	2101.6	2157.5	2139.5	2114.3	2033.5	1957.0	1840.9	1756.6	1667.4
47.5°	1305.7	1477.2	1447.3	1556.6	1462.5	1524.6	1395.2	1323.9	1262.3	1217.5	1167.0
50°	934.7	974.0	993.0	1006.0	999.1	989.6	966.3	945.5	917.4	896.9	873.0
52.5°	721.8	741.5	752.3	760.1	758.5	755.1	744.9	735.7	722.5	713.8	703.4
55°	611.4	611.7	631.6	623.1	635.6	620.9	626.7	610.4	613.0	599.0	589.6
57.5°	508.1	516.1	519.8	523.3	522.3	521.7	517.8	515.8	511.4	510.0	506.8
60°	446.9	451.2	452.0	453.6	452.3	451.8	448.7	447.6	444.7	444.1	442.0
62.5°	405.0	407.1	407.1	407.1	405.5	403.7	400.3	398.6	396.0	395.5	394.3
65°	370.0	372.3	372.7	373.1	371.8	370.5	367.5	365.6	363.0	361.9	360.5
67.5°	333.9	336.2	337.1	338.3	337.5	337.3	335.2	334.5	332.8	332.3	331.1
70°	305.5	306.5	306.4	306.4	304.8	303.3	301.0	299.9	298.0	297.7	296.5
72.5°	288.6	289.4	288.9	288.3	286.2	284.1	281.3	279.2	276.9	275.5	273.8
75°	264.9	265.8	265.2	264.9	263.0	261.6	259.4	258.3	256.6	256.1	255.0
77.5°	235.7	236.2	235.2	235.1	233.7	232.8	231.1	230.9	229.7	229.7	228.5
80°	203.3	203.0	201.5	201.1	199.7	199.4	198.1	198.2	197.2	197.6	196.9
82.5°	167.2	166.3	164.3	163.8	162.1	161.9	161.1	161.8	161.2	162.1	161.5
85°	119.9	120.1	119.3	119.3	118.8	118.9	118.9	119.3	119.4	120.3	120.2
87.5°	66.8	67.8	67.6	68.5	68.5	69.4	69.8	71.2	71.4	72.8	72.8
90°	69.5	68.0	64.6	63.1	61.3	61.3	59.8	59.8	58.1	57.9	55.9
92.5°	83.3	77.4	71.6	65.9	63.0	60.0	57.2	54.1	51.3	48.4	45.4
95°	105.4	95.6	85.7	75.9	72.6	69.2	65.9	62.5	59.3	55.9	52.5
97.5°	119.1	107.4	95.9	84.2	81.3	78.4	75.5	72.6	69.6	66.7	63.8
100°	163.5	141.9	120.2	98.6	96.1	93.6	91.2	88.8	86.3	83.8	81.3
102.5°	345.3	299.2	253.3	207.4	198.7	190.0	181.3	172.5	163.8	155.1	146.5
105°	658.2	583.7	509.2	434.7	411.0	387.4	363.8	340.1	316.5	292.8	269.2
107.5°	1003.3	927.6	852.2	776.5	732.8	689.1	645.4	601.7	558.0	514.3	470.5
110°	1196.0	1140.8	1085.6	1030.2	995.1	959.9	924.6	889.3	854.1	818.9	783.6



TEST NUMBER: P1444792
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL40

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1226.4	1186.6	1147.0	1107.4	1091.4	1075.3	1059.4	1043.3	1027.2	1011.2	995.2
115°	1147.0	1120.1	1093.3	1066.3	1060.6	1054.8	1049.1	1043.3	1037.5	1031.7	1025.9
117.5°	1021.0	1005.6	990.3	975.2	975.8	976.6	977.4	978.1	978.8	979.4	980.2
120°	890.4	883.6	876.8	870.1	874.6	879.2	883.9	888.3	892.8	897.3	901.7
122.5°	782.0	779.0	776.2	773.1	778.7	784.2	789.7	795.1	800.6	805.9	811.3
125°	695.9	694.1	692.3	690.4	695.9	701.5	707.0	712.4	717.9	723.3	728.6
127.5°	636.7	635.8	634.9	634.0	637.8	641.5	645.3	648.9	652.6	656.2	659.8
130°	593.6	592.3	591.0	589.7	593.1	596.3	599.7	602.9	606.2	609.3	612.5
132.5°	564.0	562.4	560.9	559.5	561.7	563.8	566.2	568.1	570.4	572.3	574.4
135°	538.5	536.6	535.0	533.2	535.1	537.2	539.2	541.1	543.0	544.7	546.7
137.5°	516.3	514.5	512.8	510.9	512.8	514.5	516.2	517.9	519.6	521.3	522.7
140°	496.7	494.6	492.7	490.6	492.1	493.7	495.2	496.7	498.2	499.5	500.9
142.5°	477.7	475.0	472.8	470.2	471.3	472.3	473.4	474.3	475.4	476.3	477.2
145°	463.9	461.1	458.4	455.7	456.4	457.2	458.1	458.8	459.6	460.2	461.0
147.5°	450.8	448.2	445.7	443.1	443.7	444.3	444.8	445.2	445.9	446.4	446.7
150°	438.2	435.6	433.1	430.4	431.0	431.5	431.9	432.5	432.9	433.4	433.8
152.5°	424.9	422.6	420.1	417.7	418.1	418.6	419.0	419.4	419.9	420.4	420.6
155°	415.0	413.0	411.0	409.0	409.5	409.9	410.3	410.7	411.0	411.5	411.8
157.5°	409.2	407.6	406.1	404.4	404.6	404.8	405.0	405.1	405.3	405.5	405.5
160°	404.1	402.8	401.4	400.0	400.0	400.3	400.4	400.5	400.7	400.7	400.8
162.5°	400.0	398.6	397.0	395.4	395.5	395.7	395.9	395.9	396.0	396.2	396.2
165°	398.2	397.1	395.9	394.7	394.7	394.6	394.6	394.5	394.4	394.3	394.1
167.5°	397.3	396.2	395.1	393.9	394.1	394.3	394.4	394.6	394.7	394.8	394.9
170°	397.7	396.7	395.9	394.9	394.8	394.8	394.7	394.6	394.6	394.5	394.4
172.5°	398.4	397.4	396.6	395.6	395.6	395.5	395.5	395.4	395.3	395.2	395.2
175°	396.1	395.5	394.7	394.1	394.0	394.0	394.0	393.9	393.8	393.8	393.7
177.5°	397.6	397.3	396.8	396.3	396.2	396.2	396.2	396.1	396.1	396.1	396.1
180°	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4



TEST NUMBER: P1444792
CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL40

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	9875.3	9875.3
2.5°	9913.5	9913.0
5°	9950.3	9949.8
7.5°	9978.4	9978.2
10°	9981.7	9983.4
12.5°	9961.8	9963.2
15°	9903.7	9906.4
17.5°	9792.4	9796.0
20°	9600.9	9604.6
22.5°	9290.6	9292.2
25°	8839.6	8833.3
27.5°	8224.8	8213.8
30°	7443.2	7432.5
32.5°	6511.3	6504.6
35°	5462.2	5458.0
37.5°	4357.8	4349.2
40°	3285.5	3260.6
42.5°	2345.1	2301.4
45°	1620.7	1568.8
47.5°	1131.4	1099.3
50°	857.6	847.2
52.5°	698.8	696.4
55°	589.6	588.5
57.5°	507.6	507.2
60°	443.1	443.0
62.5°	395.0	395.2
65°	361.2	361.3
67.5°	331.4	331.2
70°	297.0	296.7
72.5°	273.3	272.9
75°	255.0	254.7
77.5°	228.9	228.5
80°	197.3	196.9
82.5°	162.3	161.7
85°	121.1	121.1
87.5°	74.1	74.1
90°	55.6	53.5
92.5°	42.6	39.8
95°	49.2	45.8
97.5°	60.9	58.0
100°	78.8	76.4
102.5°	137.7	129.0
105°	245.6	221.9
107.5°	426.8	383.1
110°	748.4	713.2



TEST NUMBER: P1444792
CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL40

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	979.1	963.0
115°	1020.1	1014.3
117.5°	980.8	981.5
120°	906.1	910.6
122.5°	816.6	821.9
125°	734.0	739.3
127.5°	663.3	666.8
130°	615.4	618.5
132.5°	576.3	578.2
135°	548.4	550.0
137.5°	524.2	525.7
140°	502.1	503.4
142.5°	478.0	478.9
145°	461.6	462.2
147.5°	447.0	447.5
150°	434.1	434.5
152.5°	421.0	421.4
155°	412.1	412.4
157.5°	405.6	405.6
160°	400.9	401.0
162.5°	396.4	396.4
165°	393.9	393.8
167.5°	395.0	395.1
170°	394.3	394.2
172.5°	395.1	395.0
175°	393.7	393.7
177.5°	396.1	396.0
180°	398.4	398.4

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-7

Test Date: 08/04/2025

Luminaire Tested: EHBR-60-L940-N

Data in this report applies to families of products including EHBR-60-L940-N

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-7
 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-L940-N**
 Description: Elevate Round Highbay at, 60000 lumens, 4000K 90CRI LEDs with N lens

Spectral Parameters

CCT (K): 3963
 CIE u': 0.2267
 CIE v': 0.5003
 Duv: -0.0016
 CIE x: 0.3810
 CIE y: 0.3738
 CIE z: 0.2453
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 580
 Purity: 26.49712
 Rf: 90.7
 Rg: 101

CRI (Ra):	93.4		
R1:	95.2	R9:	66.4
R2:	95.1	R10:	86.6
R3:	93.3	R11:	94.4
R4:	94.5	R12:	75.4
R5:	94.2	R13:	95.0
R6:	92.9	R14:	95.4
R7:	94.0	R15:	92.8
R8:	87.7		



Test Conditions

Stabilization Time: 44M
 Operation Time: 1H 44M
 Sphere Temperature (°C): 25.0

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

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CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 4000K 4-step quadrangle

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Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	141	NR	620	276	NR	750	5	NR	880	0	NR
365	0	NR	495	167	NR	625	279	NR	755	4	NR	885	0	NR
370	0	NR	500	193	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	215	NR	635	628	NR	765	3	NR	895	0	NR
380	0	NR	510	230	NR	640	164	NR	770	3	NR	900	0	NR
385	0	NR	515	243	NR	645	161	NR	775	2	NR	905	0	NR
390	1	NR	520	251	NR	650	137	NR	780	2	NR	910	0	NR
395	2	NR	525	256	NR	655	111	NR	785	2	NR	915	0	NR
400	3	NR	530	262	NR	660	92	NR	790	1	NR	920	0	NR
405	4	NR	535	267	NR	665	76	NR	795	1	NR	925	0	NR
410	6	NR	540	271	NR	670	71	NR	800	1	NR	930	0	NR
415	11	NR	545	276	NR	675	56	NR	805	1	NR	935	0	NR
420	20	NR	550	280	NR	680	47	NR	810	1	NR	940	0	NR
425	37	NR	555	285	NR	685	40	NR	815	1	NR	945	0	NR
430	63	NR	560	290	NR	690	34	NR	820	1	NR	950	0	NR
435	108	NR	565	294	NR	695	29	NR	825	1	NR	955	0	NR
440	186	NR	570	296	NR	700	25	NR	830	0	NR	960	0	NR
445	323	NR	575	298	NR	705	21	NR	835	0	NR	965	0	NR
450	403	NR	580	299	NR	710	18	NR	840	0	NR	970	0	NR
455	293	NR	585	298	NR	715	15	NR	845	0	NR	975	0	NR
460	214	NR	590	296	NR	720	13	NR	850	0	NR	980	0	NR
465	180	NR	595	288	NR	725	11	NR	855	0	NR	985	0	NR
470	132	NR	600	286	NR	730	9	NR	860	0	NR	990	0	NR
475	109	NR	605	282	NR	735	8	NR	865	0	NR	995	0	NR
480	110	NR	610	311	NR	740	7	NR	870	0	NR	1000	0	NR
485	121	NR	615	334	NR	745	6	NR	875	0	NR			

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Scotopic Flux vs. Wavelength



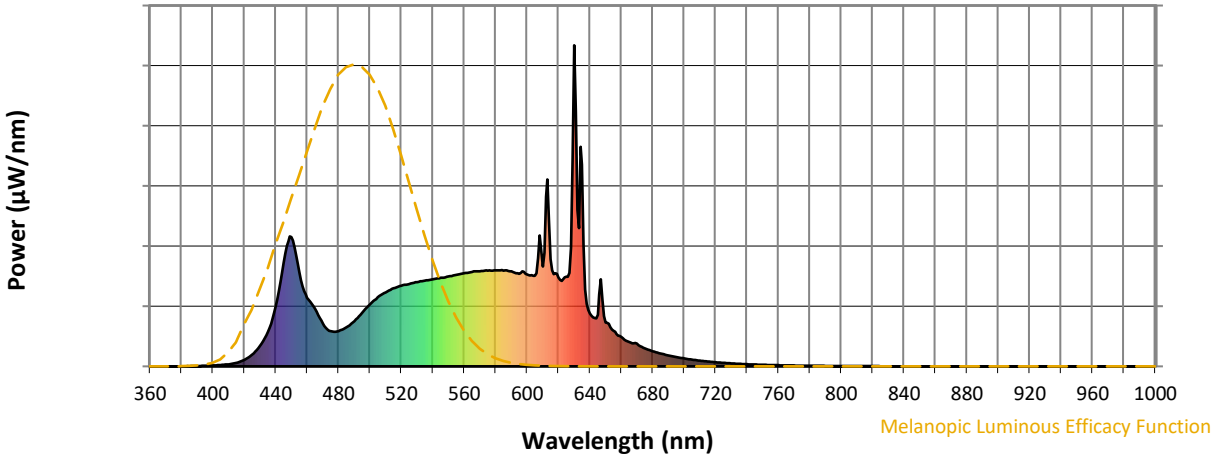
Scotopic Lumens: NR

S/P: 1.76

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	141	NR	620	276	NR	750	5	NR	880	0	NR
365	0	NR	495	167	NR	625	279	NR	755	4	NR	885	0	NR
370	0	NR	500	193	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	215	NR	635	628	NR	765	3	NR	895	0	NR
380	0	NR	510	230	NR	640	164	NR	770	3	NR	900	0	NR
385	0	NR	515	243	NR	645	161	NR	775	2	NR	905	0	NR
390	1	NR	520	251	NR	650	137	NR	780	2	NR	910	0	NR
395	2	NR	525	256	NR	655	111	NR	785	2	NR	915	0	NR
400	3	NR	530	262	NR	660	92	NR	790	1	NR	920	0	NR
405	4	NR	535	267	NR	665	76	NR	795	1	NR	925	0	NR
410	6	NR	540	271	NR	670	71	NR	800	1	NR	930	0	NR
415	11	NR	545	276	NR	675	56	NR	805	1	NR	935	0	NR
420	20	NR	550	280	NR	680	47	NR	810	1	NR	940	0	NR
425	37	NR	555	285	NR	685	40	NR	815	1	NR	945	0	NR
430	63	NR	560	290	NR	690	34	NR	820	1	NR	950	0	NR
435	108	NR	565	294	NR	695	29	NR	825	1	NR	955	0	NR
440	186	NR	570	296	NR	700	25	NR	830	0	NR	960	0	NR
445	323	NR	575	298	NR	705	21	NR	835	0	NR	965	0	NR
450	403	NR	580	299	NR	710	18	NR	840	0	NR	970	0	NR
455	293	NR	585	298	NR	715	15	NR	845	0	NR	975	0	NR
460	214	NR	590	296	NR	720	13	NR	850	0	NR	980	0	NR
465	180	NR	595	288	NR	725	11	NR	855	0	NR	985	0	NR
470	132	NR	600	286	NR	730	9	NR	860	0	NR	990	0	NR
475	109	NR	605	282	NR	735	8	NR	865	0	NR	995	0	NR
480	110	NR	610	311	NR	740	7	NR	870	0	NR	1000	0	NR
485	121	NR	615	334	NR	745	6	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.64

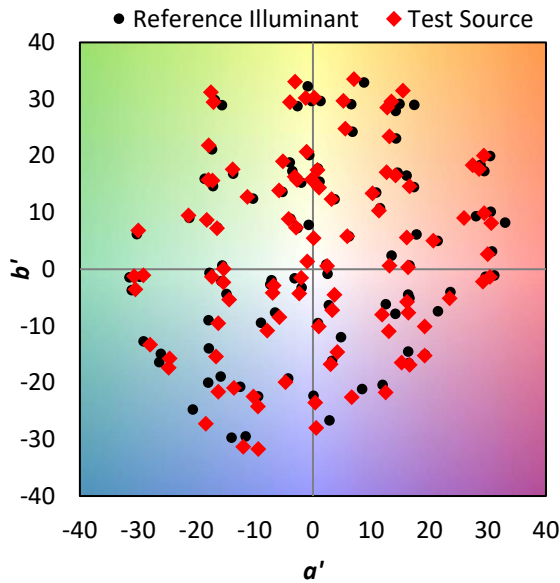
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	141	NR	620	276	NR	750	5	NR	880	0	NR
365	0	NR	495	167	NR	625	279	NR	755	4	NR	885	0	NR
370	0	NR	500	193	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	215	NR	635	628	NR	765	3	NR	895	0	NR
380	0	NR	510	230	NR	640	164	NR	770	3	NR	900	0	NR
385	0	NR	515	243	NR	645	161	NR	775	2	NR	905	0	NR
390	1	NR	520	251	NR	650	137	NR	780	2	NR	910	0	NR
395	2	NR	525	256	NR	655	111	NR	785	2	NR	915	0	NR
400	3	NR	530	262	NR	660	92	NR	790	1	NR	920	0	NR
405	4	NR	535	267	NR	665	76	NR	795	1	NR	925	0	NR
410	6	NR	540	271	NR	670	71	NR	800	1	NR	930	0	NR
415	11	NR	545	276	NR	675	56	NR	805	1	NR	935	0	NR
420	20	NR	550	280	NR	680	47	NR	810	1	NR	940	0	NR
425	37	NR	555	285	NR	685	40	NR	815	1	NR	945	0	NR
430	63	NR	560	290	NR	690	34	NR	820	1	NR	950	0	NR
435	108	NR	565	294	NR	695	29	NR	825	1	NR	955	0	NR
440	186	NR	570	296	NR	700	25	NR	830	0	NR	960	0	NR
445	323	NR	575	298	NR	705	21	NR	835	0	NR	965	0	NR
450	403	NR	580	299	NR	710	18	NR	840	0	NR	970	0	NR
455	293	NR	585	298	NR	715	15	NR	845	0	NR	975	0	NR
460	214	NR	590	296	NR	720	13	NR	850	0	NR	980	0	NR
465	180	NR	595	288	NR	725	11	NR	855	0	NR	985	0	NR
470	132	NR	600	286	NR	730	9	NR	860	0	NR	990	0	NR
475	109	NR	605	282	NR	735	8	NR	865	0	NR	995	0	NR
480	110	NR	610	311	NR	740	7	NR	870	0	NR	1000	0	NR
485	121	NR	615	334	NR	745	6	NR	875	0	NR			

Summary

$R_f = 90.7$
 $R_g = 101$
 $CIE R_a = 93.4$
 $R_9 = 66.4$



Color Vector Graphics

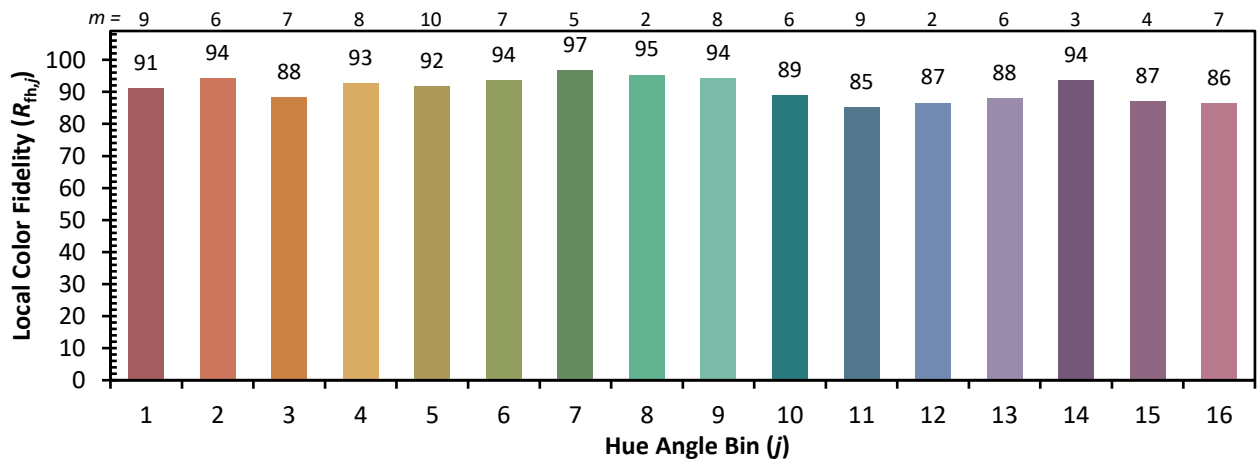
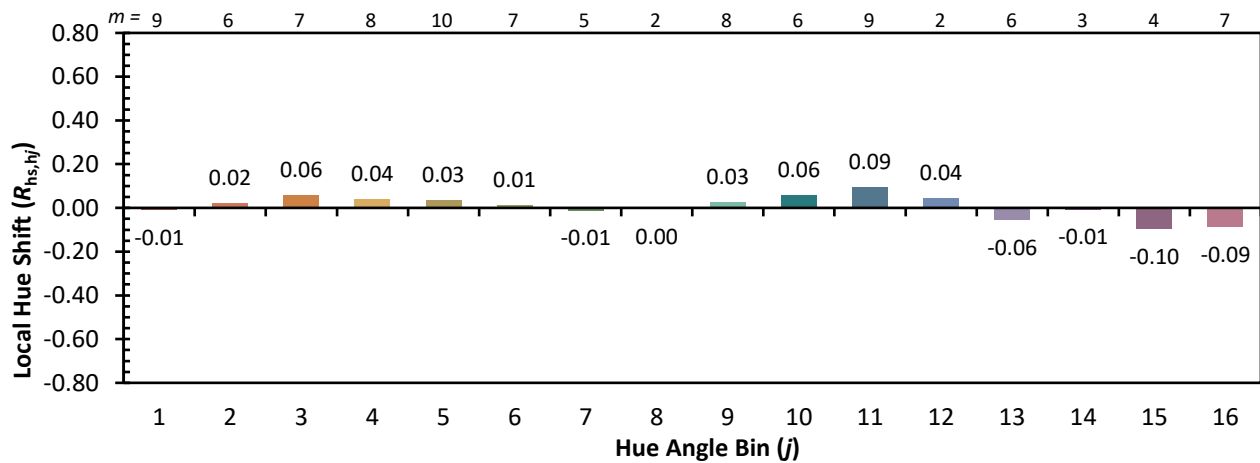
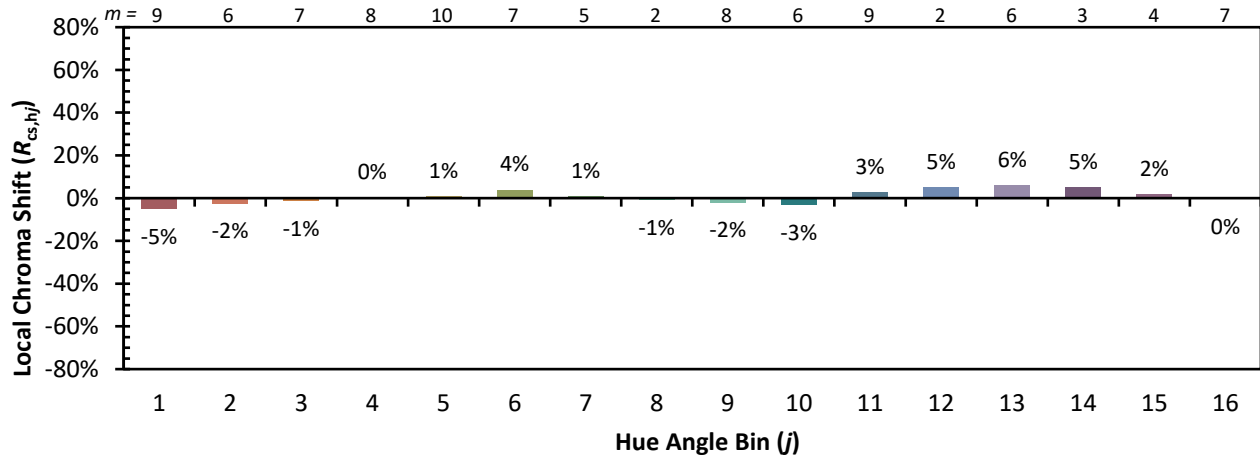


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 90	CES51 = 99	CES76 = 83
CES02 = 62	CES27 = 93	CES52 = 97	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 95	CES78 = 79
CES04 = 69	CES29 = 91	CES54 = 96	CES79 = 94
CES05 = 49	CES30 = 98	CES55 = 95	CES80 = 91
CES06 = 50	CES31 = 92	CES56 = 95	CES81 = 80
CES07 = 42	CES32 = 84	CES57 = 94	CES82 = 96
CES08 = 41	CES33 = 95	CES58 = 95	CES83 = 95
CES09 = 29	CES34 = 90	CES59 = 98	CES84 = 93
CES10 = 74	CES35 = 94	CES60 = 93	CES85 = 82
CES11 = 57	CES36 = 84	CES61 = 93	CES86 = 84
CES12 = 63	CES37 = 92	CES62 = 90	CES87 = 90
CES13 = 43	CES38 = 93	CES63 = 92	CES88 = 97
CES14 = 74	CES39 = 98	CES64 = 91	CES89 = 84
CES15 = 71	CES40 = 96	CES65 = 88	CES90 = 99
CES16 = 47	CES41 = 98	CES66 = 88	CES91 = 74
CES17 = 49	CES42 = 89	CES67 = 87	CES92 = 78
CES18 = 56	CES43 = 89	CES68 = 87	CES93 = 87
CES19 = 71	CES44 = 99	CES69 = 88	CES94 = 75
CES20 = 66	CES45 = 93	CES70 = 84	CES95 = 83
CES21 = 85	CES46 = 95	CES71 = 80	CES96 = 91
CES22 = 78	CES47 = 92	CES72 = 93	CES97 = 93
CES23 = 91	CES48 = 96	CES73 = 78	CES98 = 93
CES24 = 90	CES49 = 93	CES74 = 92	CES99 = 94
CES25 = 71	CES50 = 99	CES75 = 81	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)