

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: P1444788

Luminaire Tested: EHBR1-12-UNV-TA-L940-UPL18

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444788
REPORT IS A COMBINATION OF REPORTS P1444318 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-UPL18
Description: Elevate Round Highbay at, 12000 lumens, 4000K 90CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

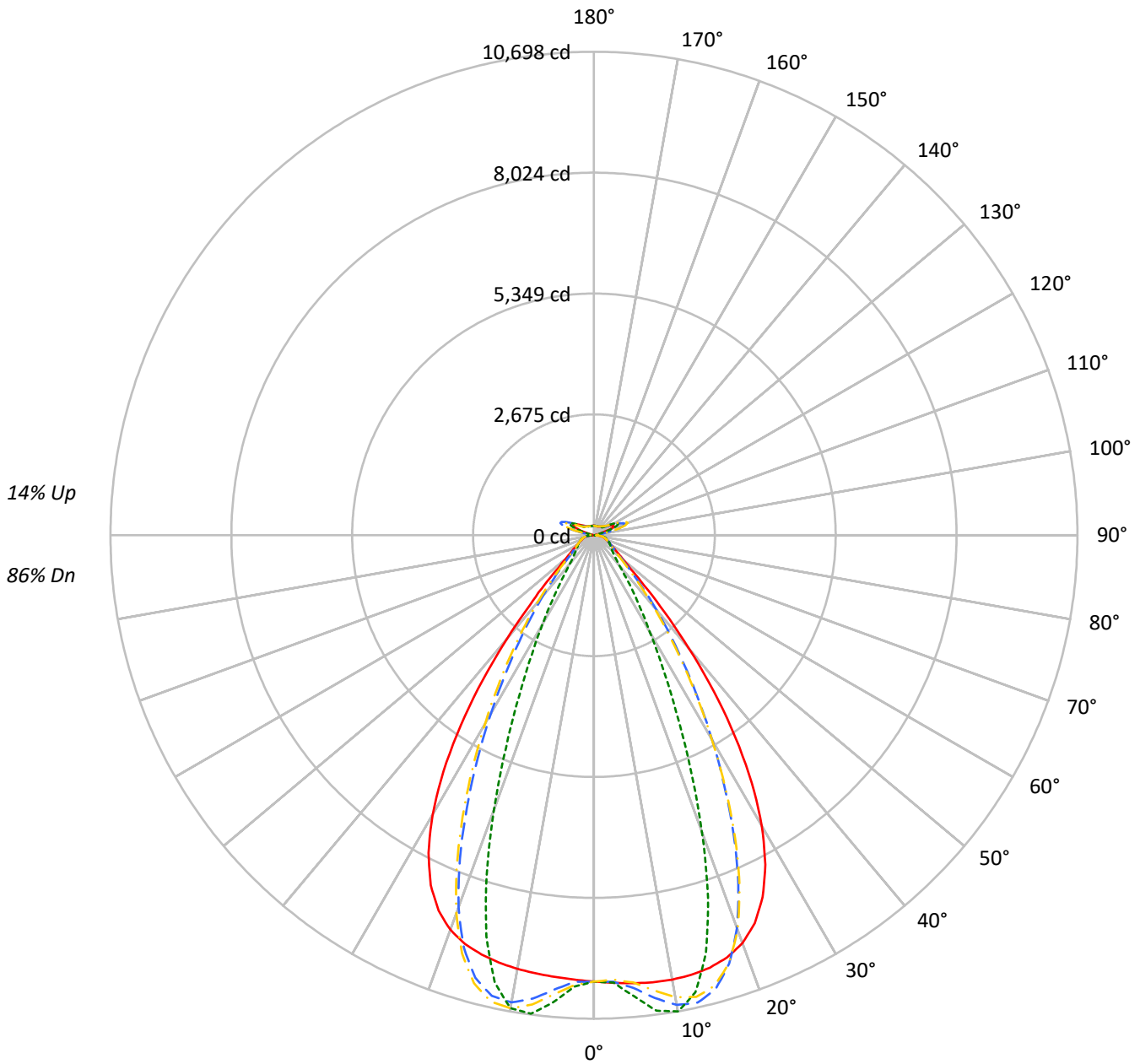
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13152.0 lumens
Efficiency: N/A
Efficacy: 171.7 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): 76.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1444788
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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	116	116	116	116	112	112	112	112	104	104	104	96	96	96	90	90	90	90	90	90	86
1	109	105	102	99	105	102	99	96	95	93	91	89	87	86	83	82	81	81	81	81	78
2	102	96	91	87	98	93	88	85	87	84	81	82	79	77	77	75	73	73	73	73	71
3	95	88	82	77	92	85	80	75	80	76	72	76	73	70	72	69	67	67	67	67	65
4	89	81	74	69	86	78	73	68	74	70	66	71	67	63	67	64	61	61	61	61	59
5	84	74	68	63	81	73	66	62	69	64	60	66	62	58	63	59	56	56	56	56	54
6	79	69	62	57	77	67	61	57	65	59	55	62	57	54	59	55	52	52	52	52	50
7	75	64	57	53	72	63	57	52	60	55	51	58	53	50	56	52	48	48	48	48	47
8	71	60	53	49	69	59	53	48	57	51	47	54	50	46	52	48	45	45	45	45	43
9	67	56	50	45	65	55	49	45	53	48	44	51	46	43	49	45	42	42	42	42	41
10	63	53	46	42	62	52	46	42	50	45	41	48	44	40	47	43	40	40	40	40	38

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	7.4
10°-20°	2737.8	20.8
20°-30°	3118.1	23.7
30°-40°	2241.2	17.0
40°-50°	1033.6	7.9
50°-60°	494.6	3.8
60°-70°	360.9	2.7
70°-80°	274.2	2.1
80°-90°	127.8	1.0
90°-100°	49.3	0.4
100°-110°	302.5	2.3
110°-120°	559.3	4.3
120°-130°	337.2	2.6
130°-140°	210.2	1.6
140°-150°	150.7	1.1
150°-160°	101.7	0.8
160°-170°	59.6	0.5
170°-180°	20.1	0.2
0°-30°	6829.2	51.9
0°-40°	9070.4	69.0
0°-60°	10598.6	80.6
0°-90°	11361.5	86.4
90°-120°	911.1	6.9
90°-150°	1609.2	12.2
90°-180°	1791.0	13.6
0°-180°	13152.0	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°	40	48	16	19	40	24
95°	23	25	23	26	23	22
105°	107	140	71	140	107	143
115°	486	593	509	594	486	448
125°	358	383	406	383	358	326
135°	272	248	294	249	272	213
145°	234	232	250	234	234	148
155°	212	216	228	217	212	99
165°	206	208	215	209	206	59
175°	208	211	212	211	208	20
180°	211	211	211	211	211	



TEST NUMBER: P1444788
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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°	39.8	42.1	43.2	45.7	46.9	49.3	50.3	52.8	53.9	56.6	58.5
92.5°	19.8	21.2	22.5	23.9	25.3	27.0	28.5	29.9	31.3	32.9	35.8
95°	22.6	24.2	25.8	27.4	29.0	30.7	32.2	33.8	35.4	37.0	41.6
97.5°	28.6	30.0	31.4	32.7	34.1	35.5	36.9	38.2	39.6	41.0	46.5
100°	37.5	38.7	39.8	41.0	42.1	43.3	44.4	45.7	46.8	48.0	58.2
102.5°	62.7	66.8	71.0	75.1	79.2	83.4	87.5	91.6	95.8	99.9	121.7
105°	107.1	118.3	129.7	140.8	152.0	163.3	174.6	185.7	196.9	208.2	243.6
107.5°	184.1	204.8	225.6	246.4	267.2	288.0	308.7	329.6	350.3	371.1	407.0
110°	341.5	358.2	375.0	391.7	408.4	425.1	441.9	458.5	475.2	492.0	518.2



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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°	460.9	468.4	476.1	483.6	491.3	498.8	506.3	513.9	521.5	529.1	547.9
115°	485.9	488.6	491.2	493.9	496.7	499.3	502.0	504.7	507.3	509.9	522.7
117.5°	470.9	470.5	470.1	469.7	469.2	468.8	468.3	467.9	467.4	466.9	474.2
120°	438.0	435.7	433.5	431.3	429.0	426.7	424.5	422.2	419.9	417.5	420.6
122.5°	396.6	394.0	391.3	388.6	385.9	383.1	380.4	377.6	374.8	372.1	373.4
125°	358.2	355.5	352.8	350.1	347.3	344.5	341.8	339.0	336.1	333.3	334.1
127.5°	324.7	322.8	321.0	319.0	317.1	315.2	313.2	311.2	309.3	307.3	307.5
130°	302.7	301.0	299.3	297.7	295.9	294.1	292.4	290.6	288.8	286.9	287.4
132.5°	284.5	283.5	282.3	281.1	279.9	278.5	277.4	276.0	274.6	273.4	273.9
135°	272.1	271.1	270.1	269.0	267.8	266.6	265.4	264.2	263.1	261.8	262.4
137.5°	261.5	260.6	259.6	258.6	257.6	256.5	255.5	254.3	253.2	252.1	252.7
140°	251.8	251.0	250.1	249.1	248.2	247.4	246.3	245.3	244.3	243.3	244.0
142.5°	240.9	240.3	239.7	238.9	238.3	237.5	236.7	235.9	235.1	234.3	235.3
145°	233.7	233.3	232.7	232.2	231.5	230.9	230.2	229.6	228.8	228.3	229.3
147.5°	227.4	227.0	226.7	226.1	225.7	225.2	224.7	224.1	223.6	223.0	224.1
150°	221.8	221.5	221.2	220.6	220.1	219.7	219.2	218.7	218.2	217.6	218.8
152.5°	216.1	215.8	215.4	214.9	214.6	214.0	213.6	213.1	212.5	212.0	213.0
155°	212.4	212.0	211.7	211.2	210.8	210.4	209.9	209.4	209.0	208.5	209.2
157.5°	209.8	209.5	209.3	209.0	208.7	208.2	207.9	207.6	207.3	207.0	207.5
160°	208.4	208.1	207.9	207.5	207.1	206.8	206.5	206.1	205.8	205.5	206.0
162.5°	206.9	206.6	206.4	206.1	205.8	205.3	205.1	204.8	204.5	204.1	204.7
165°	206.4	206.2	206.0	205.8	205.6	205.4	205.2	205.1	204.9	204.7	205.1
167.5°	207.7	207.4	207.2	206.9	206.6	206.4	206.1	205.8	205.6	205.2	205.7
170°	207.9	207.7	207.6	207.5	207.3	207.2	207.1	206.9	206.7	206.6	207.0
172.5°	208.7	208.5	208.4	208.4	208.2	208.1	208.0	207.9	207.9	207.8	208.1
175°	208.4	208.2	208.2	208.1	208.0	208.0	207.9	207.9	207.9	207.8	207.9
177.5°	209.7	209.6	209.6	209.6	209.6	209.6	209.5	209.4	209.4	209.4	209.6
180°	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9



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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°	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°	61.8	63.8	67.0	68.4	70.9	71.9	62.9	62.9	60.9	60.4	58.1
92.5°	38.6	41.4	44.2	47.0	49.8	52.7	54.3	56.8	53.9	50.9	48.1
95°	46.3	51.0	55.6	60.4	65.0	69.7	74.3	79.0	74.6	70.2	65.9
97.5°	52.0	57.6	63.1	68.6	74.1	79.7	85.2	90.6	86.0	81.2	76.6
100°	68.6	78.8	89.1	99.3	109.7	119.9	130.2	140.5	131.5	122.3	113.4
102.5°	143.5	165.4	187.3	209.0	230.9	252.8	274.6	296.4	275.8	255.0	234.3
105°	279.1	314.4	349.8	385.2	420.5	455.9	491.5	526.8	493.8	460.5	427.4
107.5°	442.9	478.8	514.6	550.5	586.5	622.3	658.4	694.4	662.0	629.7	597.5
110°	544.5	570.6	596.9	623.1	649.4	675.5	702.1	728.3	708.9	689.5	670.0



TEST NUMBER: P1444788
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL18

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	566.5	585.4	604.3	622.9	641.6	660.4	679.5	698.4	688.8	679.0	669.4
115°	535.4	548.1	560.8	573.4	586.2	598.8	611.8	624.7	621.6	618.5	615.6
117.5°	481.3	488.5	495.6	502.8	509.8	517.0	524.6	531.9	532.5	533.2	533.8
120°	423.8	426.9	430.0	433.1	436.1	439.2	442.9	446.1	448.9	451.6	454.4
122.5°	374.6	375.9	377.1	378.3	379.6	380.8	382.7	384.2	386.1	388.1	390.1
125°	334.7	335.5	336.2	336.9	337.4	338.3	339.8	340.5	340.9	341.1	341.4
127.5°	307.7	308.1	308.3	308.6	308.7	309.0	310.1	310.5	309.6	308.7	307.7
130°	287.9	288.3	288.7	289.2	289.6	290.0	291.4	292.1	290.3	288.4	286.7
132.5°	274.5	275.0	275.5	276.1	276.6	277.2	278.7	279.4	277.4	275.2	273.2
135°	263.0	263.7	264.3	265.0	265.5	266.4	268.0	268.9	266.9	264.9	262.8
137.5°	253.2	254.0	254.6	255.3	255.8	256.6	258.4	259.4	257.8	256.2	254.6
140°	244.7	245.5	246.2	247.1	247.8	248.7	250.7	251.7	250.6	249.2	248.0
142.5°	236.2	237.2	238.2	239.2	240.3	241.3	243.6	244.9	244.1	243.2	242.4
145°	230.3	231.5	232.6	233.7	234.9	236.1	238.7	240.2	239.7	239.2	238.6
147.5°	225.0	226.0	227.0	228.1	229.2	230.4	232.9	234.4	234.1	233.8	233.5
150°	219.6	220.7	221.7	222.8	224.0	225.1	228.0	229.6	229.3	229.1	228.8
152.5°	213.9	214.8	215.8	216.8	217.7	218.8	222.1	223.7	223.4	223.1	222.9
155°	209.9	210.7	211.5	212.2	213.0	213.9	217.3	218.7	218.6	218.5	218.3
157.5°	208.0	208.6	209.1	209.7	210.3	210.9	214.3	215.6	215.5	215.3	215.2
160°	206.4	206.8	207.3	207.7	208.1	208.7	212.1	213.3	213.3	213.1	213.0
162.5°	205.2	205.9	206.4	206.8	207.5	208.0	211.6	212.9	212.7	212.5	212.3
165°	205.4	205.7	206.1	206.5	206.9	207.3	210.5	211.6	211.5	211.4	211.3
167.5°	206.0	206.5	206.8	207.1	207.6	208.0	210.9	212.0	211.9	211.9	211.8
170°	207.2	207.6	207.9	208.2	208.5	209.0	211.4	212.2	212.1	211.9	211.8
172.5°	208.4	208.9	209.2	209.5	209.8	210.3	212.3	213.3	213.1	213.0	212.7
175°	208.3	208.5	208.9	209.2	209.4	209.7	211.5	212.0	211.9	211.9	211.9
177.5°	209.9	210.0	210.2	210.5	210.6	210.8	211.9	212.3	212.3	212.3	212.2
180°	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9



TEST NUMBER: P1444788
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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°	57.0	54.8	54.4	52.9	53.1	51.7	52.1	50.6	51.1	50.4	51.4
92.5°	44.9	42.1	39.0	36.1	33.1	30.3	28.7	27.4	26.0	24.8	23.2
95°	61.5	57.2	52.8	48.4	44.2	39.8	38.2	36.6	35.0	33.4	31.8
97.5°	71.9	67.2	62.5	57.8	53.1	48.4	47.4	46.3	45.3	44.3	43.1
100°	104.3	95.3	86.3	77.2	68.2	59.2	58.3	57.5	56.6	55.8	54.9
102.5°	213.6	192.8	172.1	151.4	130.7	109.9	106.3	102.8	99.1	95.5	92.0
105°	394.3	361.1	328.0	294.9	261.7	228.6	218.8	208.8	198.9	189.0	179.2
107.5°	565.1	532.7	500.5	468.2	435.9	403.6	388.0	372.4	356.7	341.1	325.5
110°	650.7	631.3	612.0	592.4	573.1	553.9	539.0	524.1	509.1	494.2	479.4



TEST NUMBER: P1444788
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL18

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	659.6	650.0	640.3	630.7	621.0	611.4	604.2	596.9	589.7	582.4	575.1
115°	612.6	609.5	606.4	603.5	600.5	597.5	597.0	596.5	596.0	595.6	595.0
117.5°	534.4	535.1	535.8	536.5	537.2	537.8	541.8	545.8	549.7	553.6	557.7
120°	457.1	459.7	462.5	465.3	468.0	470.8	476.0	481.3	486.6	491.9	497.3
122.5°	392.0	393.9	395.9	397.9	399.9	401.8	407.0	412.3	417.6	422.8	428.3
125°	341.5	341.8	342.1	342.2	342.5	342.8	347.1	351.4	355.8	360.3	364.6
127.5°	306.8	305.8	304.7	303.9	302.9	301.9	304.6	307.2	309.8	312.5	315.1
130°	284.8	283.1	281.2	279.4	277.5	275.8	276.9	278.0	279.0	280.2	281.4
132.5°	271.0	268.8	266.6	264.5	262.3	260.2	260.3	260.4	260.6	260.7	261.0
135°	260.8	258.8	256.8	254.6	252.6	250.6	250.1	249.8	249.4	249.0	248.6
137.5°	253.0	251.5	249.8	248.2	246.6	245.0	244.4	243.7	243.1	242.5	241.9
140°	246.8	245.5	244.2	243.0	241.6	240.5	239.9	239.4	238.8	238.4	237.9
142.5°	241.4	240.5	239.5	238.7	237.8	236.8	236.4	235.8	235.3	235.0	234.4
145°	238.0	237.5	236.8	236.4	235.7	235.2	234.8	234.5	234.1	233.8	233.5
147.5°	233.2	232.8	232.5	232.2	231.8	231.5	231.2	231.0	230.8	230.7	230.4
150°	228.4	228.1	227.8	227.5	227.2	226.9	226.8	226.7	226.6	226.6	226.5
152.5°	222.7	222.3	222.0	221.8	221.5	221.2	221.1	221.1	221.0	220.9	220.9
155°	218.1	218.0	217.8	217.6	217.4	217.3	217.2	217.0	216.8	216.6	216.4
157.5°	215.1	214.9	214.7	214.7	214.5	214.3	214.1	214.0	213.8	213.7	213.5
160°	212.8	212.7	212.5	212.4	212.2	212.1	211.9	211.6	211.4	211.1	210.7
162.5°	212.0	211.7	211.5	211.3	211.0	210.8	210.6	210.5	210.3	210.2	210.0
165°	211.1	211.0	210.8	210.6	210.6	210.5	210.2	209.9	209.6	209.3	209.1
167.5°	211.6	211.5	211.3	211.2	211.0	210.9	210.7	210.5	210.2	210.0	209.6
170°	211.6	211.2	211.1	210.8	210.6	210.4	210.2	210.0	209.7	209.5	209.2
172.5°	212.6	212.3	212.1	211.9	211.8	211.6	211.4	211.2	211.0	210.8	210.6
175°	211.8	211.8	211.8	211.6	211.6	211.5	211.4	211.4	211.3	211.3	211.2
177.5°	212.2	212.2	212.2	212.1	212.1	212.1	211.9	211.9	211.7	211.5	211.4
180°	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9



TEST NUMBER: P1444788
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL18

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°	50.3	50.8	48.9	48.5	48.2	49.2	48.1	48.3	46.1	45.9	44.2
92.5°	21.9	20.5	19.1	17.7	19.3	20.5	22.0	23.2	24.7	26.0	27.4
95°	30.2	28.6	27.0	25.4	26.7	27.9	29.3	30.6	31.8	33.1	34.4
97.5°	42.1	41.1	40.0	38.9	39.7	40.4	41.2	41.9	42.6	43.3	44.2
100°	54.0	53.2	52.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
102.5°	88.3	84.7	81.1	77.5	79.9	82.4	84.8	87.2	89.7	92.1	94.7
105°	169.4	159.5	149.6	139.7	149.2	158.8	168.3	177.9	187.4	197.1	206.6
107.5°	309.9	294.3	278.7	263.1	280.5	297.9	315.3	332.7	350.1	367.5	385.0
110°	464.5	449.7	434.8	420.0	438.4	456.9	475.3	493.8	512.3	530.8	549.3



TEST NUMBER: P1444788
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CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	567.8	560.7	553.4	546.2	558.1	570.0	581.9	593.8	605.8	617.7	629.6
115°	594.7	594.2	593.8	593.4	599.0	604.6	610.2	615.8	621.6	627.2	632.9
117.5°	561.6	565.6	569.7	573.7	575.5	577.3	579.1	580.9	582.8	584.6	586.5
120°	502.6	507.9	513.3	518.7	518.0	517.2	516.5	515.8	515.3	514.5	514.0
122.5°	433.6	438.9	444.3	449.7	448.1	446.5	445.0	443.4	441.9	440.3	438.9
125°	369.1	373.6	378.1	382.6	381.0	379.5	377.9	376.4	374.9	373.4	372.0
127.5°	317.9	320.8	323.5	326.3	325.5	324.8	324.1	323.5	322.9	322.3	321.7
130°	282.7	283.9	285.2	286.5	286.7	286.9	287.2	287.5	287.9	288.2	288.6
132.5°	261.2	261.5	261.8	262.2	263.0	263.8	264.8	265.7	266.8	267.8	268.9
135°	248.4	248.1	247.9	247.7	249.0	250.2	251.5	252.9	254.3	255.8	257.4
137.5°	241.4	240.9	240.5	240.1	241.4	242.6	244.0	245.3	246.7	248.2	249.8
140°	237.6	237.1	236.9	236.5	237.8	239.1	240.4	241.8	243.2	244.7	246.1
142.5°	234.0	233.7	233.3	233.0	234.2	235.3	236.6	237.8	239.2	240.4	241.8
145°	233.2	232.9	232.7	232.5	233.3	234.1	235.1	236.0	237.0	237.9	239.0
147.5°	230.3	230.1	230.0	229.9	230.6	231.2	231.9	232.5	233.2	233.9	234.8
150°	226.6	226.5	226.4	226.5	226.9	227.2	227.7	228.1	228.6	229.0	229.7
152.5°	220.9	220.8	220.9	220.9	221.3	221.6	222.1	222.4	222.9	223.3	223.9
155°	216.4	216.2	216.1	216.0	216.1	216.4	216.6	216.7	217.0	217.2	217.4
157.5°	213.4	213.3	213.3	213.1	213.1	213.1	213.2	213.2	213.3	213.3	213.4
160°	210.6	210.4	210.1	209.9	210.0	210.1	210.4	210.4	210.6	210.6	210.8
162.5°	209.9	209.7	209.6	209.4	209.4	209.2	209.2	209.1	209.0	208.9	208.9
165°	208.9	208.5	208.3	208.0	208.0	208.0	208.1	208.1	208.1	208.1	208.2
167.5°	209.4	209.2	209.0	208.7	208.6	208.3	208.2	207.9	207.8	207.6	207.5
170°	209.0	208.8	208.6	208.4	208.3	208.2	208.2	208.0	208.0	208.0	208.0
172.5°	210.4	210.2	210.0	209.8	209.7	209.7	209.6	209.6	209.5	209.5	209.5
175°	211.1	211.1	211.0	210.9	210.8	210.7	210.6	210.5	210.4	210.2	210.0
177.5°	211.3	211.0	210.9	210.8	210.8	210.8	210.8	210.8	210.8	210.7	210.7
180°	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9



TEST NUMBER: P1444788
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL18

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°	44.4	42.9	44.0	43.5	44.9	44.6	46.3	46.6	48.5	48.7	50.7
92.5°	28.7	30.1	32.6	35.3	37.7	40.2	42.9	45.5	47.9	50.6	53.0
95°	35.6	36.9	40.2	43.7	47.0	50.5	53.9	57.4	60.7	64.2	67.5
97.5°	44.9	45.7	49.0	52.5	55.8	59.3	62.6	66.1	69.5	72.9	76.3
100°	51.5	51.6	61.3	70.9	80.6	90.3	99.9	109.6	119.3	128.9	138.6
102.5°	97.1	99.5	123.9	148.3	172.7	197.1	221.6	246.0	270.5	295.0	319.4
105°	216.2	225.7	263.0	300.4	337.5	374.8	412.1	449.4	486.6	524.0	561.2
107.5°	402.4	419.8	453.5	487.2	520.8	554.5	588.2	621.9	655.6	689.2	723.1
110°	567.7	586.2	608.7	631.3	653.8	676.5	698.9	721.6	744.1	766.7	789.4



TEST NUMBER: P1444788
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL18

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	641.4	653.5	666.5	679.6	692.8	705.9	719.0	732.2	745.4	758.5	771.8
115°	638.5	644.2	649.3	654.4	659.5	664.5	669.8	674.9	680.1	685.1	690.3
117.5°	588.4	590.3	591.0	591.9	592.6	593.5	594.2	595.0	595.9	596.8	597.6
120°	513.2	512.6	511.8	510.8	510.0	509.1	508.2	507.4	506.5	505.7	505.0
122.5°	437.4	436.0	435.1	434.2	433.4	432.7	431.8	431.1	430.3	429.5	428.7
125°	370.6	369.2	369.9	370.5	371.3	371.9	372.7	373.4	374.1	374.8	375.6
127.5°	321.1	320.7	322.4	324.4	326.3	328.1	330.1	332.0	333.9	335.9	337.7
130°	289.1	289.5	291.9	294.4	296.7	299.2	301.8	304.3	306.6	309.1	311.6
132.5°	269.9	271.1	273.3	275.7	278.1	280.5	282.8	285.3	287.6	290.0	292.4
135°	258.8	260.4	262.5	264.7	266.8	269.0	271.2	273.3	275.4	277.7	279.8
137.5°	251.2	252.8	254.5	256.2	257.9	259.7	261.3	263.1	264.8	266.5	268.2
140°	247.5	249.2	250.1	251.1	251.9	252.9	253.9	254.9	255.6	256.7	257.6
142.5°	243.1	244.6	245.0	245.8	246.2	247.0	247.5	248.2	248.7	249.3	249.9
145°	239.9	241.0	241.0	241.0	241.0	241.1	241.0	241.1	241.0	241.0	241.0
147.5°	235.5	236.4	236.2	236.1	236.0	235.7	235.6	235.4	235.2	235.1	235.0
150°	230.0	230.7	230.3	230.1	229.7	229.5	229.1	228.8	228.4	228.3	227.9
152.5°	224.2	224.8	224.3	224.1	223.7	223.4	222.9	222.7	222.3	221.9	221.6
155°	217.6	217.8	217.6	217.4	217.3	217.1	216.8	216.7	216.6	216.3	216.2
157.5°	213.4	213.5	213.4	213.3	213.2	213.2	213.0	212.9	212.9	212.9	212.9
160°	210.9	211.1	210.9	210.8	210.7	210.6	210.5	210.5	210.5	210.5	210.5
162.5°	208.8	208.7	208.6	208.5	208.4	208.3	208.2	208.2	208.1	208.1	208.1
165°	208.3	208.4	208.1	207.9	207.8	207.6	207.4	207.3	207.2	207.0	206.9
167.5°	207.3	207.2	207.2	207.3	207.3	207.3	207.4	207.5	207.6	207.7	207.8
170°	207.9	208.0	207.9	207.9	207.7	207.6	207.5	207.5	207.4	207.3	207.3
172.5°	209.5	209.5	209.3	209.1	208.9	208.7	208.4	208.3	208.1	207.9	207.7
175°	209.9	209.8	209.7	209.6	209.5	209.3	209.2	209.1	209.0	208.9	208.8
177.5°	210.7	210.6	210.6	210.6	210.6	210.6	210.6	210.5	210.5	210.5	210.4
180°	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9



TEST NUMBER: P1444788
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL18

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°	47.4	45.7	42.5	40.9	37.7	35.5	32.0	30.0	26.7	25.9	24.0
92.5°	50.1	47.3	44.5	41.6	38.8	36.0	33.1	30.3	27.4	26.4	25.4
95°	63.4	59.3	55.2	51.0	46.9	42.7	38.6	34.4	30.3	29.4	28.6
97.5°	71.5	66.5	61.7	56.8	51.9	47.0	42.3	37.4	32.5	32.0	31.5
100°	127.4	116.2	105.0	93.7	82.5	71.2	60.1	48.8	37.5	36.9	36.2
102.5°	292.1	265.0	237.7	210.4	183.3	156.0	128.7	101.5	74.3	70.3	66.4
105°	520.0	478.8	437.6	396.4	355.1	313.9	272.7	231.4	190.2	177.0	163.7
107.5°	684.2	645.4	606.8	568.0	529.2	490.4	451.8	412.9	374.1	350.8	327.5
110°	758.5	727.7	697.1	666.3	635.5	604.7	573.9	543.1	512.3	492.2	472.2



TEST NUMBER: P1444788
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL18

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	749.1	726.6	704.0	681.4	659.0	636.2	613.7	591.1	568.5	556.3	544.1
115°	676.7	663.1	649.5	635.8	622.2	608.6	594.9	581.3	567.6	561.0	554.6
117.5°	590.7	583.6	576.6	569.5	562.5	555.4	548.5	541.3	534.3	532.1	529.7
120°	502.8	500.6	498.2	496.1	493.9	491.6	489.3	487.1	484.8	485.0	485.2
122.5°	429.5	430.1	430.9	431.4	432.2	432.7	433.5	434.1	434.7	436.3	438.0
125°	377.5	379.4	381.2	383.1	384.9	386.7	388.6	390.4	392.2	393.8	395.5
127.5°	339.9	342.0	344.1	346.2	348.3	350.5	352.5	354.6	356.6	358.0	359.6
130°	313.5	315.3	317.0	318.8	320.7	322.4	324.2	326.0	327.8	328.9	329.9
132.5°	293.9	295.5	297.2	298.7	300.3	301.9	303.5	305.0	306.7	307.4	308.2
135°	281.0	282.0	283.2	284.3	285.6	286.7	287.9	289.1	290.2	290.7	291.1
137.5°	269.2	270.1	271.0	271.9	272.9	273.8	274.7	275.7	276.7	276.8	277.1
140°	258.6	259.6	260.6	261.6	262.6	263.7	264.8	265.8	266.9	267.1	267.3
142.5°	250.6	251.3	252.1	252.8	253.7	254.4	255.3	256.1	256.9	257.1	257.3
145°	241.9	242.9	243.8	244.7	245.8	246.7	247.8	248.8	250.0	250.0	250.0
147.5°	235.7	236.5	237.4	238.2	239.1	239.9	240.8	241.8	242.8	242.8	242.8
150°	228.8	229.7	230.5	231.4	232.4	233.4	234.3	235.3	236.5	236.6	236.8
152.5°	222.6	223.5	224.4	225.5	226.6	227.7	228.8	229.8	231.0	231.1	231.4
155°	217.2	218.1	219.1	220.1	221.3	222.3	223.4	224.4	225.6	225.8	226.1
157.5°	213.7	214.6	215.5	216.4	217.4	218.3	219.3	220.2	221.2	221.5	221.6
160°	211.3	212.0	212.8	213.6	214.5	215.3	216.0	216.9	217.7	218.0	218.2
162.5°	209.0	209.8	210.6	211.3	212.1	213.0	213.7	214.6	215.4	215.6	215.9
165°	207.6	208.0	208.7	209.2	209.8	210.4	211.0	211.5	212.2	212.4	212.7
167.5°	208.2	208.6	209.1	209.5	210.0	210.5	210.9	211.4	211.9	212.1	212.3
170°	207.7	208.1	208.4	209.0	209.3	209.8	210.2	210.6	211.1	211.3	211.6
172.5°	207.9	208.2	208.5	208.8	209.1	209.3	209.6	210.0	210.3	210.6	210.7
175°	208.9	209.0	209.2	209.2	209.4	209.6	209.7	209.9	210.1	210.3	210.6
177.5°	210.5	210.6	210.7	210.8	211.0	211.1	211.4	211.5	211.6	211.9	212.2
180°	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9



TEST NUMBER: P1444788
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL18

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°	23.3	21.6	20.9	19.2	18.4	17.1	16.5	17.0	17.6	18.2	18.8
92.5°	24.5	23.6	22.5	21.6	20.7	19.7	18.7	19.7	20.7	21.6	22.5
95°	27.8	26.9	26.0	25.2	24.3	23.5	22.6	23.5	24.3	25.2	26.1
97.5°	30.9	30.4	29.9	29.3	28.8	28.3	27.8	28.3	28.8	29.3	29.9
100°	35.7	35.0	34.4	33.7	33.2	32.5	31.9	32.6	33.3	33.8	34.5
102.5°	62.4	58.5	54.6	50.7	46.7	42.8	38.8	42.8	46.7	50.8	54.7
105°	150.5	137.2	123.9	110.7	97.5	84.1	70.9	84.2	97.5	110.8	124.0
107.5°	304.1	280.9	257.5	234.2	210.8	187.5	164.2	187.6	210.9	234.3	257.6
110°	452.0	431.8	411.7	391.6	371.4	351.2	331.1	351.2	371.4	391.6	411.8



TEST NUMBER: P1444788
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL18

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	531.8	519.6	507.2	495.0	482.7	470.5	458.2	470.5	482.8	495.2	507.4
115°	548.1	541.6	535.1	528.6	522.0	515.6	509.0	515.7	522.2	528.8	535.4
117.5°	527.3	525.0	522.7	520.4	518.0	515.7	513.2	515.8	518.2	520.7	523.1
120°	485.3	485.5	485.7	485.8	485.9	486.0	486.1	486.1	486.1	486.1	486.1
122.5°	439.5	441.0	442.5	444.1	445.6	447.2	448.6	447.3	445.9	444.7	443.2
125°	397.1	398.8	400.3	401.9	403.4	405.1	406.5	405.3	403.9	402.5	401.0
127.5°	360.9	362.4	363.7	365.3	366.5	367.9	369.1	368.1	366.9	365.8	364.6
130°	330.9	332.0	332.9	334.0	334.9	335.9	336.7	336.0	335.3	334.6	333.7
132.5°	308.9	309.7	310.4	311.1	311.7	312.4	312.9	312.6	312.2	311.7	311.3
135°	291.6	292.0	292.5	292.9	293.3	293.6	293.7	293.8	293.7	293.7	293.5
137.5°	277.2	277.4	277.4	277.5	277.5	277.5	277.5	277.8	278.0	278.4	278.5
140°	267.3	267.6	267.7	267.8	267.8	267.8	267.8	268.1	268.3	268.6	268.7
142.5°	257.4	257.6	257.8	257.9	257.9	257.9	257.9	258.2	258.3	258.6	258.7
145°	250.1	250.1	250.1	250.1	250.0	249.8	249.6	250.1	250.4	250.7	251.1
147.5°	242.8	242.8	242.8	242.7	242.6	242.5	242.3	242.7	243.1	243.3	243.7
150°	237.0	237.2	237.4	237.6	237.6	237.7	237.7	237.8	238.0	238.2	238.3
152.5°	231.5	231.7	231.8	231.9	232.1	232.1	232.1	232.4	232.5	232.7	232.8
155°	226.3	226.6	226.8	226.9	227.1	227.3	227.5	227.6	227.7	227.8	227.9
157.5°	221.8	222.1	222.3	222.5	222.7	222.8	223.0	223.2	223.3	223.5	223.5
160°	218.4	218.7	218.8	219.0	219.2	219.4	219.5	219.7	219.9	220.0	220.1
162.5°	216.0	216.2	216.3	216.6	216.7	216.9	217.1	217.3	217.4	217.5	217.6
165°	213.0	213.3	213.6	213.9	214.2	214.5	214.7	214.7	214.7	214.8	214.8
167.5°	212.6	212.9	213.2	213.4	213.6	213.9	214.1	214.2	214.2	214.2	214.3
170°	211.8	211.9	212.3	212.5	212.8	213.0	213.2	213.2	213.2	213.3	213.3
172.5°	211.1	211.5	211.8	212.0	212.4	212.7	213.0	213.0	212.8	212.6	212.4
175°	210.8	211.1	211.4	211.7	211.9	212.2	212.5	212.3	212.2	212.0	211.9
177.5°	212.6	213.0	213.3	213.6	213.9	214.3	214.7	214.4	214.0	213.8	213.5
180°	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9



TEST NUMBER: P1444788
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL18

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°	19.5	20.1	20.7	21.4	22.3	24.0	25.9	27.7	29.7	31.5	33.4
92.5°	23.6	24.5	25.4	26.5	27.4	30.3	33.1	36.0	38.9	41.6	44.5
95°	27.0	27.9	28.7	29.6	30.5	34.6	38.8	42.9	47.0	51.1	55.3
97.5°	30.5	31.0	31.6	32.0	32.6	37.5	42.4	47.2	52.1	57.0	61.9
100°	35.1	35.8	36.3	37.1	37.7	49.0	60.3	71.5	82.7	93.9	105.2
102.5°	58.6	62.5	66.5	70.5	74.4	101.7	128.9	156.2	183.4	210.6	237.9
105°	137.3	150.6	163.9	177.2	190.4	231.7	273.0	314.2	355.4	396.7	438.0
107.5°	281.0	304.3	327.8	351.0	374.4	413.3	452.0	490.8	529.6	568.4	607.2
110°	432.0	452.1	472.3	492.6	512.7	543.4	574.4	605.2	635.9	666.9	697.6



TEST NUMBER: P1444788
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL18

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	519.9	532.1	544.4	556.7	569.0	591.6	614.2	636.9	659.6	682.1	704.7
115°	541.9	548.5	555.1	561.5	568.1	581.9	595.6	609.3	623.0	636.6	650.4
117.5°	525.4	527.9	530.3	532.6	535.0	542.0	549.2	556.3	563.5	570.5	577.6
120°	486.1	486.0	485.9	485.8	485.7	487.9	490.3	492.7	494.9	497.2	499.5
122.5°	441.7	440.2	438.8	437.2	435.7	435.1	434.5	433.9	433.4	432.7	432.1
125°	399.6	398.1	396.5	395.0	393.4	391.7	389.9	388.0	386.3	384.5	382.6
127.5°	363.3	361.9	360.7	359.3	358.0	356.0	353.9	351.9	349.8	347.8	345.6
130°	333.1	332.1	331.3	330.2	329.3	327.5	325.8	324.0	322.3	320.6	318.8
132.5°	310.8	310.2	309.6	308.9	308.3	306.7	305.3	303.6	302.0	300.5	299.1
135°	293.2	292.9	292.6	292.4	292.0	290.9	289.7	288.6	287.6	286.4	285.3
137.5°	278.6	278.6	278.7	278.6	278.6	277.6	276.7	275.9	275.0	274.1	273.2
140°	268.8	268.8	269.0	268.9	268.9	267.8	266.9	265.9	265.0	263.9	262.9
142.5°	258.8	258.9	259.0	259.0	259.0	258.2	257.5	256.8	256.0	255.3	254.5
145°	251.2	251.5	251.6	251.7	251.9	251.0	250.1	249.1	248.3	247.3	246.4
147.5°	244.0	244.2	244.4	244.7	244.8	244.0	243.3	242.4	241.7	240.9	240.3
150°	238.4	238.4	238.6	238.6	238.6	237.8	236.9	236.1	235.3	234.4	233.7
152.5°	233.0	233.1	233.2	233.2	233.3	232.4	231.5	230.7	229.7	228.7	227.9
155°	228.0	228.0	228.0	228.0	228.0	227.1	226.3	225.5	224.6	223.7	222.8
157.5°	223.6	223.7	223.8	223.8	223.9	223.1	222.4	221.6	220.9	220.1	219.3
160°	220.1	220.2	220.3	220.4	220.4	219.8	219.2	218.6	218.0	217.3	216.6
162.5°	217.7	217.9	217.9	218.0	218.1	217.4	216.8	216.2	215.6	214.9	214.3
165°	214.7	214.7	214.7	214.7	214.7	214.2	213.9	213.4	213.1	212.5	212.1
167.5°	214.2	214.1	214.1	214.1	214.1	213.8	213.5	213.2	212.8	212.5	212.1
170°	213.2	213.1	213.1	213.1	213.0	212.7	212.4	212.1	211.9	211.5	211.1
172.5°	212.4	212.2	212.0	211.9	211.8	211.6	211.3	211.1	211.0	210.7	210.6
175°	211.7	211.6	211.4	211.2	211.0	211.0	210.9	210.8	210.7	210.6	210.5
177.5°	213.2	213.0	212.7	212.3	212.1	212.0	211.9	211.8	211.8	211.7	211.6
180°	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9



TEST NUMBER: P1444788
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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°	35.3	40.2	41.9	40.5	38.3	36.7	34.5	33.2	31.0	29.6	27.6
92.5°	47.4	50.2	53.1	50.6	48.0	45.5	42.9	40.3	37.8	35.3	32.7
95°	59.4	63.5	67.6	64.3	60.7	57.4	53.9	50.6	47.1	43.8	40.3
97.5°	66.7	71.6	76.4	73.0	69.6	66.1	62.7	59.3	55.9	52.5	49.1
100°	116.4	127.5	138.7	129.0	119.4	109.7	100.1	90.4	80.7	71.0	61.4
102.5°	265.1	292.3	319.5	295.1	270.6	246.1	221.7	197.3	172.9	148.4	124.0
105°	479.1	520.2	561.4	524.1	486.8	449.5	412.3	374.9	337.6	300.4	263.1
107.5°	645.9	684.5	723.1	689.4	655.8	622.1	588.3	554.7	521.0	487.3	453.6
110°	728.4	758.9	789.6	766.9	744.4	721.7	699.1	676.6	653.9	631.5	608.8



TEST NUMBER: P1444788
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL18

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	727.3	749.5	772.0	758.7	745.6	732.5	719.2	706.1	693.0	679.8	666.7
115°	664.0	677.1	690.6	685.4	680.3	675.1	669.9	664.8	659.7	654.6	649.5
117.5°	584.6	591.1	598.0	597.1	596.3	595.3	594.5	593.7	592.9	592.1	591.3
120°	501.8	503.4	505.4	506.1	507.0	507.7	508.7	509.4	510.4	511.1	512.0
122.5°	431.4	430.1	429.2	430.0	430.8	431.4	432.3	433.0	433.9	434.6	435.5
125°	380.9	378.2	376.1	375.4	374.7	373.9	373.2	372.4	371.7	371.0	370.3
127.5°	343.7	340.7	338.4	336.5	334.6	332.6	330.7	328.8	326.9	325.0	323.1
130°	317.0	314.3	312.4	309.9	307.4	304.9	302.5	300.0	297.5	295.1	292.6
132.5°	297.5	295.0	293.2	290.8	288.5	286.1	283.7	281.4	279.0	276.5	274.3
135°	284.2	282.0	280.6	278.5	276.4	274.3	272.1	269.9	267.8	265.7	263.6
137.5°	272.3	270.3	269.2	267.5	265.8	264.0	262.4	260.8	259.1	257.2	255.6
140°	262.0	259.7	258.5	257.7	256.8	255.9	255.0	254.1	253.1	252.3	251.4
142.5°	253.8	251.8	250.8	250.3	249.8	249.2	248.7	248.2	247.5	247.0	246.4
145°	245.5	243.2	242.0	241.9	242.1	242.1	242.1	242.2	242.2	242.2	242.3
147.5°	239.4	237.1	236.0	236.2	236.5	236.5	236.8	236.9	237.2	237.3	237.6
150°	232.7	230.1	228.8	229.2	229.5	229.8	230.2	230.6	230.9	231.2	231.5
152.5°	226.9	223.9	222.4	222.8	223.1	223.5	223.9	224.2	224.6	225.1	225.5
155°	221.9	218.6	217.1	217.2	217.4	217.5	217.6	217.9	218.1	218.3	218.7
157.5°	218.5	215.1	213.7	213.6	213.7	213.7	213.8	214.0	214.1	214.2	214.4
160°	216.0	212.7	211.3	211.2	211.3	211.3	211.3	211.5	211.6	211.7	211.8
162.5°	213.6	210.4	209.0	209.0	209.0	209.0	209.1	209.1	209.2	209.2	209.3
165°	211.6	208.9	207.8	207.8	207.9	208.0	208.1	208.4	208.5	208.7	209.0
167.5°	211.9	209.3	208.5	208.4	208.2	208.1	208.1	208.0	208.0	207.9	207.9
170°	210.7	208.8	208.0	208.0	208.1	208.2	208.2	208.3	208.3	208.5	208.6
172.5°	210.3	208.8	208.3	208.4	208.7	208.9	209.1	209.2	209.4	209.6	209.9
175°	210.4	209.5	209.3	209.3	209.4	209.5	209.6	209.8	209.9	210.0	210.2
177.5°	211.4	211.1	210.9	210.9	210.9	210.9	210.9	210.9	210.9	211.0	211.0
180°	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9



TEST NUMBER: P1444788
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL18

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°	26.4	25.1	24.6	23.1	22.9	21.4	21.4	20.0	20.2	18.6	20.9
92.5°	30.2	28.8	27.4	26.1	24.7	23.3	21.9	20.6	19.2	17.8	19.2
95°	37.0	35.7	34.5	33.2	31.9	30.7	29.3	28.0	26.8	25.5	27.1
97.5°	45.7	45.0	44.3	43.5	42.8	42.1	41.4	40.6	39.9	39.1	40.2
100°	51.7	51.7	51.7	51.7	51.6	51.6	51.6	51.6	51.6	51.6	52.5
102.5°	99.6	97.2	94.7	92.2	89.8	87.3	84.9	82.5	80.0	77.6	81.2
105°	225.8	216.3	206.7	197.2	187.5	178.0	168.4	158.9	149.3	139.8	149.7
107.5°	420.0	402.5	385.0	367.7	350.2	332.8	315.4	298.0	280.6	263.2	278.7
110°	586.3	567.8	549.4	530.9	512.4	493.9	475.4	457.0	438.5	420.1	434.9



TEST NUMBER: P1444788
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	653.5	641.5	629.7	617.7	605.8	593.9	582.1	570.2	558.3	546.4	533.6
115°	644.3	638.7	633.0	627.4	621.7	616.0	610.3	604.7	599.0	593.5	593.9
117.5°	590.5	588.6	586.7	584.8	583.0	581.1	579.3	577.5	575.6	573.9	569.9
120°	513.0	513.5	514.1	514.8	515.5	516.1	516.7	517.4	518.2	518.9	513.5
122.5°	436.3	437.7	439.2	440.7	442.1	443.7	445.2	446.8	448.4	450.0	444.6
125°	369.6	371.0	372.4	373.9	375.3	376.8	378.3	379.9	381.4	383.1	378.5
127.5°	321.2	321.8	322.3	322.8	323.4	324.0	324.7	325.3	326.1	326.9	324.0
130°	290.2	289.7	289.4	288.9	288.4	288.3	288.0	287.6	287.4	287.2	285.9
132.5°	271.9	270.7	269.7	268.6	267.6	266.5	265.6	264.8	263.8	263.1	262.6
135°	261.4	259.8	258.3	256.9	255.3	254.1	252.6	251.3	250.1	248.7	248.9
137.5°	253.9	252.4	250.9	249.4	247.8	246.5	245.1	243.7	242.5	241.3	241.7
140°	250.4	248.8	247.4	245.9	244.5	243.1	241.7	240.4	239.1	237.9	238.1
142.5°	245.9	244.5	243.1	241.8	240.5	239.2	237.9	236.7	235.6	234.5	234.8
145°	242.3	241.3	240.3	239.2	238.3	237.4	236.4	235.6	234.8	234.0	234.1
147.5°	237.7	236.9	236.1	235.3	234.6	234.0	233.3	232.6	232.0	231.4	231.5
150°	231.9	231.4	230.9	230.4	229.9	229.5	229.1	228.6	228.3	227.9	227.8
152.5°	225.8	225.4	224.9	224.4	224.1	223.6	223.2	222.8	222.6	222.1	222.1
155°	218.8	218.7	218.4	218.2	218.0	217.8	217.6	217.6	217.4	217.3	217.3
157.5°	214.5	214.4	214.3	214.4	214.3	214.2	214.1	214.2	214.1	214.2	214.3
160°	211.9	211.9	211.7	211.6	211.4	211.3	211.2	211.1	211.0	210.9	211.1
162.5°	209.4	209.6	209.6	209.7	209.8	209.9	210.0	210.1	210.2	210.4	210.5
165°	209.2	209.1	209.1	208.9	208.9	208.9	208.9	208.8	208.8	208.9	209.1
167.5°	207.9	208.0	208.1	208.2	208.3	208.6	208.8	209.0	209.1	209.3	209.5
170°	208.6	208.6	208.6	208.6	208.6	208.7	208.7	208.7	208.8	208.9	209.0
172.5°	210.1	210.1	210.0	210.1	210.0	210.1	210.1	210.1	210.1	210.2	210.3
175°	210.2	210.4	210.5	210.6	210.7	210.8	210.9	211.1	211.2	211.3	211.3
177.5°	211.0	211.0	211.0	211.0	211.0	211.1	211.1	211.1	211.1	211.0	211.1
180°	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9



TEST NUMBER: P1444788
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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°	21.2	23.2	23.8	25.6	26.3	28.3	29.1	31.0	31.8	34.0	34.8
92.5°	20.6	21.9	23.3	24.7	26.1	27.4	28.8	30.2	33.2	36.1	39.1
95°	28.7	30.3	31.9	33.5	35.1	36.7	38.3	39.9	44.3	48.5	52.9
97.5°	41.3	42.3	43.3	44.4	45.5	46.5	47.6	48.6	53.3	57.9	62.6
100°	53.3	54.1	55.0	55.9	56.7	57.6	58.4	59.3	68.4	77.4	86.4
102.5°	84.8	88.4	92.0	95.6	99.3	102.9	106.5	110.1	130.8	151.5	172.2
105°	159.6	169.5	179.4	189.2	199.1	209.0	218.8	228.7	261.8	295.0	328.1
107.5°	294.4	310.0	325.6	341.3	356.9	372.5	388.1	403.8	436.0	468.3	500.6
110°	449.8	464.6	479.5	494.4	509.3	524.1	539.1	554.0	573.3	592.6	612.1



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CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	560.9	568.0	575.3	582.6	589.8	597.1	604.4	611.6	621.2	630.9	640.5
115°	594.4	594.9	595.2	595.8	596.2	596.7	597.2	597.7	600.8	603.8	606.8
117.5°	565.8	561.9	557.9	553.9	550.0	546.0	542.0	538.2	537.5	536.8	536.2
120°	508.3	502.9	497.6	492.2	487.0	481.7	476.4	471.2	468.4	465.6	462.9
122.5°	439.3	433.9	428.7	423.2	417.9	412.7	407.6	402.4	400.4	398.4	396.5
125°	374.0	369.6	365.1	360.7	356.4	352.1	347.8	343.5	343.2	342.8	342.8
127.5°	321.3	318.5	315.8	313.2	310.5	307.9	305.4	302.8	303.8	304.7	305.7
130°	284.6	283.4	282.3	281.0	280.0	278.9	277.8	276.7	278.6	280.3	282.3
132.5°	262.4	262.2	262.0	261.7	261.6	261.5	261.4	261.3	263.5	265.6	267.8
135°	249.1	249.4	249.8	250.1	250.6	250.9	251.4	251.7	253.9	255.8	258.0
137.5°	242.2	242.6	243.3	243.7	244.4	244.9	245.7	246.2	247.9	249.4	251.1
140°	238.5	238.9	239.3	239.7	240.2	240.7	241.3	241.7	243.0	244.3	245.5
142.5°	235.1	235.4	235.9	236.4	236.8	237.2	237.8	238.2	239.2	240.0	240.9
145°	234.4	234.6	234.9	235.2	235.5	235.9	236.2	236.5	237.1	237.6	238.1
147.5°	231.6	231.7	231.9	232.1	232.4	232.5	232.7	232.9	233.2	233.5	233.9
150°	227.9	227.9	228.0	227.9	228.0	228.1	228.3	228.3	228.5	228.8	229.1
152.5°	222.2	222.2	222.2	222.1	222.2	222.3	222.3	222.4	222.7	222.9	223.2
155°	217.4	217.5	217.7	217.8	218.0	218.1	218.3	218.4	218.6	218.7	218.8
157.5°	214.4	214.5	214.7	214.7	214.9	215.0	215.1	215.3	215.5	215.6	215.7
160°	211.3	211.6	211.8	212.1	212.3	212.5	212.8	213.0	213.2	213.3	213.4
162.5°	210.6	210.7	210.9	211.0	211.1	211.3	211.4	211.6	211.9	212.0	212.2
165°	209.2	209.6	209.9	210.0	210.3	210.6	210.8	211.1	211.2	211.3	211.5
167.5°	209.7	209.9	210.2	210.5	210.7	210.9	211.2	211.4	211.5	211.6	211.8
170°	209.2	209.4	209.6	209.9	210.1	210.3	210.6	210.6	210.9	211.1	211.3
172.5°	210.5	210.6	210.7	210.9	211.1	211.3	211.5	211.7	211.9	212.0	212.1
175°	211.3	211.3	211.3	211.4	211.4	211.4	211.4	211.5	211.6	211.6	211.6
177.5°	211.2	211.4	211.5	211.6	211.7	211.9	211.9	212.0	212.0	212.0	212.0
180°	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9



TEST NUMBER: P1444788
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL18

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°	37.5	38.6	41.2	42.3	45.4	46.9	47.0	45.3	45.4	43.7	43.7
92.5°	42.0	45.0	48.0	51.0	53.9	56.9	54.1	51.4	48.6	45.9	43.1
95°	57.3	61.6	66.0	70.3	74.6	79.0	74.3	69.7	65.0	60.4	55.6
97.5°	67.3	72.0	76.7	81.3	86.0	90.6	85.2	79.7	74.1	68.7	63.2
100°	95.4	104.4	113.5	122.4	131.5	140.6	130.3	120.0	109.8	99.5	89.3
102.5°	192.9	213.7	234.4	255.2	275.9	296.5	274.6	252.9	231.0	209.2	187.4
105°	361.2	394.5	427.5	460.7	493.9	527.0	491.7	456.2	420.8	385.5	350.0
107.5°	532.9	565.2	597.7	629.9	662.2	694.5	658.7	622.7	586.8	551.0	515.0
110°	631.5	650.8	670.2	689.7	709.1	728.5	702.4	676.1	649.9	623.6	597.4



TEST NUMBER: P1444788
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL18

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	650.2	659.9	669.6	679.3	689.0	698.6	679.8	661.2	642.3	623.6	604.8
115°	609.9	612.8	615.9	618.9	622.0	625.0	612.3	599.6	586.9	574.3	561.5
117.5°	535.5	534.9	534.2	533.6	532.9	532.3	525.2	518.1	510.8	503.7	496.5
120°	460.2	457.5	454.8	452.1	449.3	446.6	443.6	440.4	437.3	434.2	431.0
122.5°	394.5	392.7	390.7	388.8	386.7	384.8	383.5	382.3	380.9	379.6	378.4
125°	342.6	342.3	342.0	341.8	341.5	341.3	340.6	339.9	339.1	338.4	337.6
127.5°	306.6	307.6	308.6	309.5	310.4	311.4	311.0	310.9	310.5	310.2	310.0
130°	284.1	285.8	287.6	289.5	291.1	293.0	292.5	292.1	291.5	291.0	290.6
132.5°	269.9	272.0	274.1	276.2	278.4	280.4	279.9	279.3	278.7	278.2	277.5
135°	259.9	262.0	263.9	266.1	267.9	269.9	269.2	268.6	267.8	267.2	266.5
137.5°	252.7	254.2	255.7	257.3	258.8	260.4	259.6	259.0	258.3	257.6	256.9
140°	246.7	248.0	249.1	250.4	251.6	252.8	252.0	251.2	250.3	249.5	248.7
142.5°	241.8	242.7	243.5	244.4	245.2	246.1	245.0	244.0	242.9	241.9	240.8
145°	238.8	239.2	239.8	240.4	240.8	241.4	240.1	239.0	237.7	236.5	235.3
147.5°	234.2	234.5	234.7	235.1	235.2	235.6	234.4	233.3	232.2	231.0	229.8
150°	229.3	229.7	229.9	230.1	230.4	230.6	229.4	228.3	227.0	225.8	224.8
152.5°	223.4	223.8	224.0	224.2	224.3	224.5	223.4	222.4	221.3	220.1	219.0
155°	218.9	219.1	219.2	219.3	219.4	219.5	218.6	217.7	216.8	215.9	214.9
157.5°	215.8	216.0	216.0	216.1	216.2	216.3	215.6	214.9	214.2	213.5	212.8
160°	213.5	213.6	213.7	213.8	213.9	214.0	213.3	212.8	212.2	211.6	211.0
162.5°	212.4	212.8	213.0	213.1	213.3	213.4	212.8	212.1	211.4	210.6	210.0
165°	211.6	211.7	211.8	211.9	211.9	212.0	211.5	211.0	210.6	210.1	209.5
167.5°	211.9	211.9	212.0	212.1	212.1	212.2	211.8	211.4	210.8	210.3	209.8
170°	211.5	211.8	211.9	212.0	212.2	212.3	211.9	211.6	211.1	210.8	210.4
172.5°	212.3	212.6	212.7	212.9	213.0	213.2	212.7	212.3	211.9	211.5	211.0
175°	211.6	211.7	211.8	211.8	211.8	211.8	211.5	211.1	210.8	210.5	210.2
177.5°	212.0	212.0	212.0	212.0	212.0	212.0	211.9	211.6	211.4	211.2	210.8
180°	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9



TEST NUMBER: P1444788
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL18

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°	42.0	42.3	40.6	40.9	40.1	41.0	40.5	41.5	40.6	41.4	40.3
92.5°	40.4	37.6	34.9	32.1	30.7	29.3	28.1	26.6	25.2	23.8	22.5
95°	51.0	46.3	41.6	37.0	35.4	33.8	32.2	30.7	29.0	27.4	25.8
97.5°	57.7	52.1	46.6	41.1	39.7	38.3	36.9	35.5	34.1	32.7	31.4
100°	78.9	68.7	58.3	48.1	46.9	45.7	44.5	43.4	42.2	41.0	39.8
102.5°	165.6	143.7	121.9	100.0	95.9	91.7	87.6	83.4	79.2	75.1	71.0
105°	314.7	279.3	243.8	208.4	197.1	185.9	174.7	163.4	152.1	140.9	129.7
107.5°	479.1	443.1	407.2	371.3	350.5	329.7	308.8	288.1	267.3	246.5	225.6
110°	571.1	544.8	518.6	492.3	475.6	458.8	442.1	425.3	408.6	391.9	375.1



TEST NUMBER: P1444788
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL18

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	586.0	567.1	548.4	529.5	521.9	514.3	506.7	499.1	491.4	483.8	476.2
115°	548.7	536.1	523.3	510.4	507.7	505.1	502.4	499.6	496.9	494.1	491.3
117.5°	489.4	482.1	475.0	467.8	468.1	468.5	468.9	469.4	469.6	470.0	470.3
120°	427.9	424.8	421.6	418.5	420.7	423.0	425.2	427.3	429.6	431.7	433.8
122.5°	377.1	375.8	374.5	373.1	375.8	378.6	381.2	383.8	386.5	389.1	391.6
125°	337.0	336.1	335.4	334.6	337.3	340.1	342.8	345.4	348.2	350.7	353.2
127.5°	309.7	309.3	309.1	308.7	310.7	312.5	314.4	316.2	318.0	319.6	321.5
130°	290.1	289.6	289.1	288.6	290.3	292.0	293.7	295.2	296.9	298.4	299.9
132.5°	277.0	276.3	275.8	275.2	276.3	277.5	278.7	279.7	280.9	281.8	282.8
135°	265.9	265.1	264.4	263.7	264.8	265.9	266.9	267.8	268.9	269.7	270.6
137.5°	256.3	255.5	254.8	254.1	255.1	256.0	256.9	257.8	258.6	259.5	260.2
140°	247.8	247.0	246.1	245.3	246.1	247.0	247.8	248.7	249.3	250.0	250.7
142.5°	239.7	238.5	237.7	236.5	237.1	237.7	238.2	238.7	239.3	239.7	240.2
145°	234.1	232.8	231.6	230.4	230.8	231.2	231.7	232.2	232.5	232.9	233.2
147.5°	228.7	227.5	226.4	225.2	225.6	225.8	226.2	226.4	226.8	226.9	227.2
150°	223.5	222.3	221.2	219.9	220.1	220.4	220.7	221.0	221.2	221.4	221.6
152.5°	217.9	216.8	215.7	214.5	214.7	214.9	215.1	215.3	215.6	215.8	215.9
155°	214.0	213.0	212.0	211.1	211.3	211.5	211.8	211.9	211.9	212.1	212.3
157.5°	212.0	211.2	210.6	209.7	209.8	209.8	209.9	209.8	210.0	210.0	210.0
160°	210.4	209.7	209.1	208.3	208.3	208.4	208.5	208.5	208.5	208.4	208.5
162.5°	209.2	208.5	207.8	207.0	207.0	207.0	207.1	207.0	207.1	207.1	207.0
165°	209.0	208.5	207.9	207.3	207.3	207.2	207.2	207.0	206.9	206.8	206.6
167.5°	209.2	208.7	208.2	207.6	207.7	207.7	207.7	207.7	207.9	207.8	207.8
170°	210.0	209.4	209.1	208.6	208.5	208.5	208.4	208.3	208.2	208.1	208.0
172.5°	210.6	210.2	209.8	209.2	209.2	209.2	209.2	209.1	209.0	208.9	208.9
175°	209.8	209.5	209.1	208.8	208.7	208.7	208.7	208.6	208.5	208.5	208.4
177.5°	210.6	210.5	210.2	210.0	209.9	209.9	209.9	209.8	209.8	209.8	209.8
180°	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9



TEST NUMBER: P1444788
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL18

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°	41.0	39.8
92.5°	21.1	19.8
95°	24.2	22.6
97.5°	30.0	28.6
100°	38.7	37.5
102.5°	66.8	62.7
105°	118.4	107.1
107.5°	204.9	184.1
110°	358.3	341.5



TEST NUMBER: P1444788
CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL18

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	468.5	460.9
115°	488.6	485.9
117.5°	470.7	470.9
120°	435.8	438.0
122.5°	394.2	396.6
125°	355.7	358.2
127.5°	323.1	324.7
130°	301.2	302.7
132.5°	283.8	284.5
135°	271.4	272.1
137.5°	260.9	261.5
140°	251.2	251.8
142.5°	240.6	240.9
145°	233.6	233.7
147.5°	227.2	227.4
150°	221.7	221.8
152.5°	216.0	216.1
155°	212.3	212.4
157.5°	209.9	209.8
160°	208.4	208.4
162.5°	207.0	206.9
165°	206.5	206.4
167.5°	207.7	207.7
170°	207.9	207.9
172.5°	208.8	208.7
175°	208.4	208.4
177.5°	209.8	209.7
180°	210.9	210.9

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: SP1-2506-472-7

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

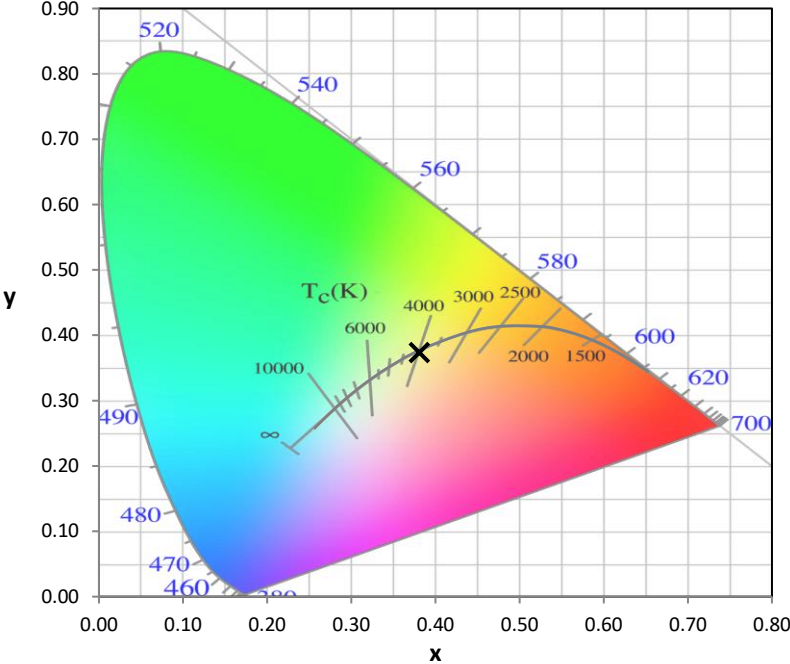
Stabilization Time: 44M
 Operation Time: 1H 44M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-7

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: SP1-2506-472-7

CIE 1931 Chromaticity Diagram



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

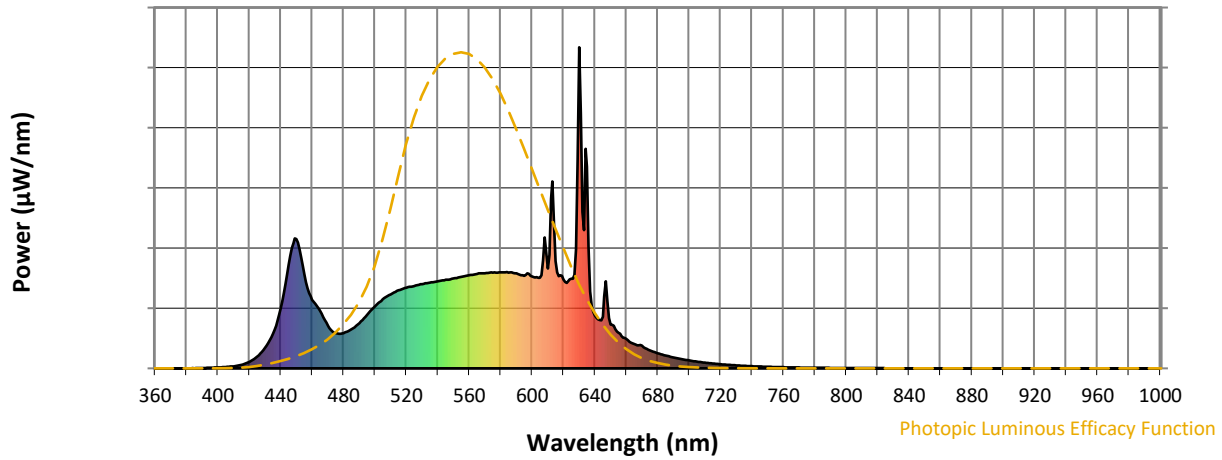


CCT = 3963K
 CIE x = 0.3810
 CIE y = 0.3738
 Duv = -0.0016

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-7

Photopic Flux vs. Wavelength

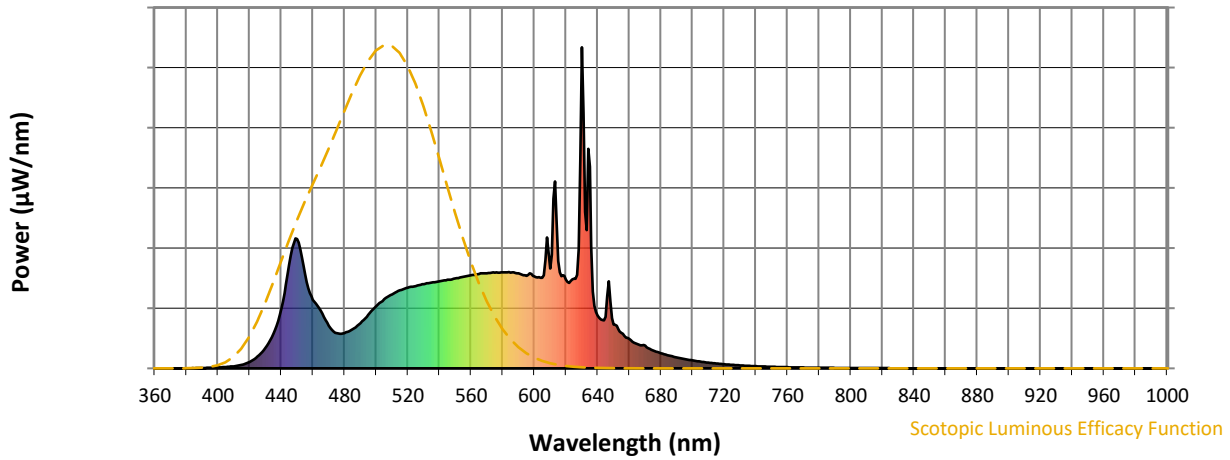


Photopic Lumens: NR

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



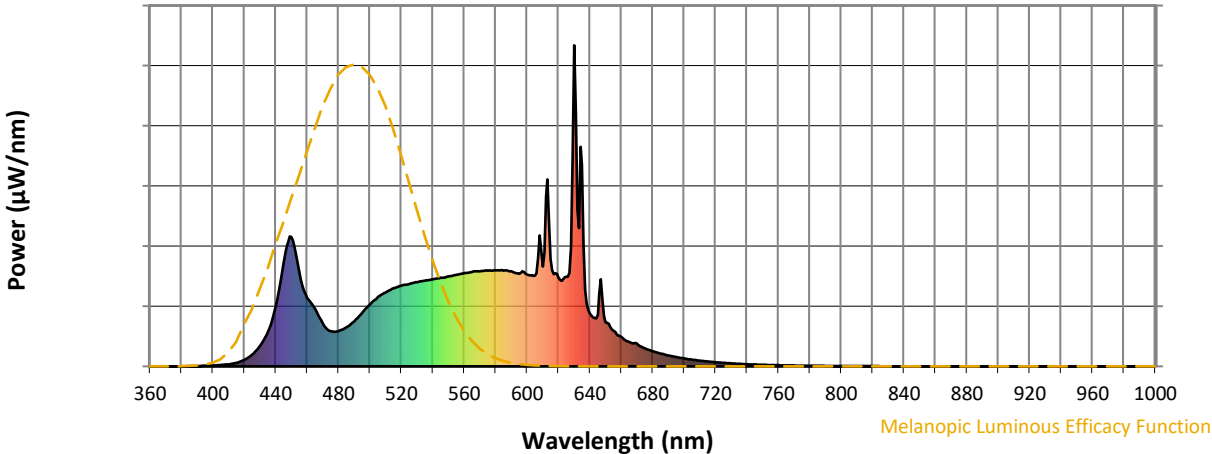
Scotopic Lumens: NR

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

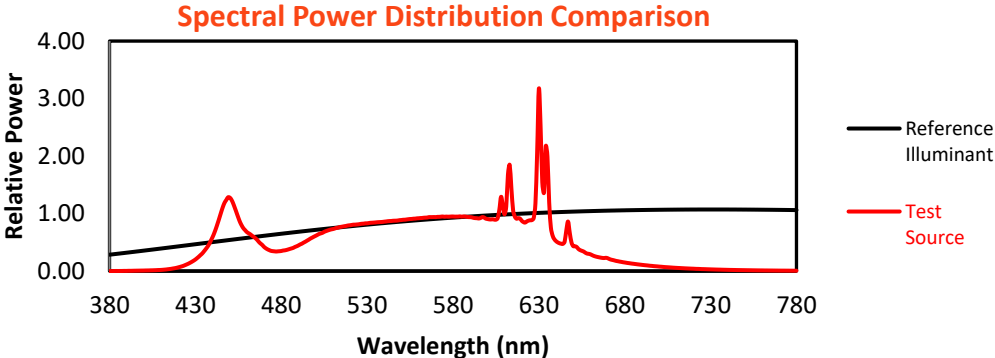


Melanopic Lumens: NR M/P: 3.64

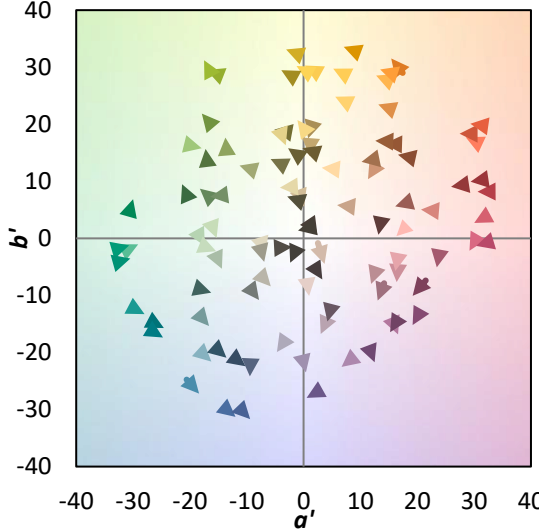
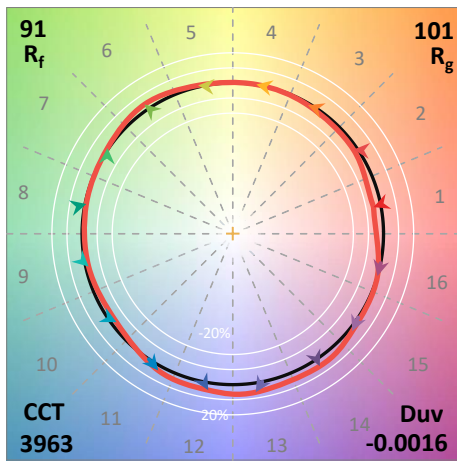
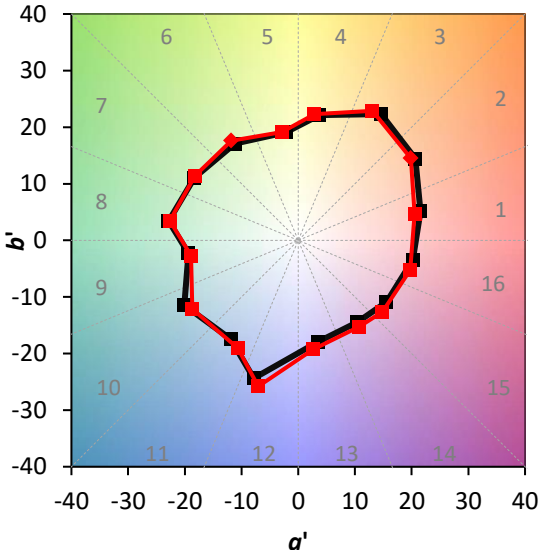
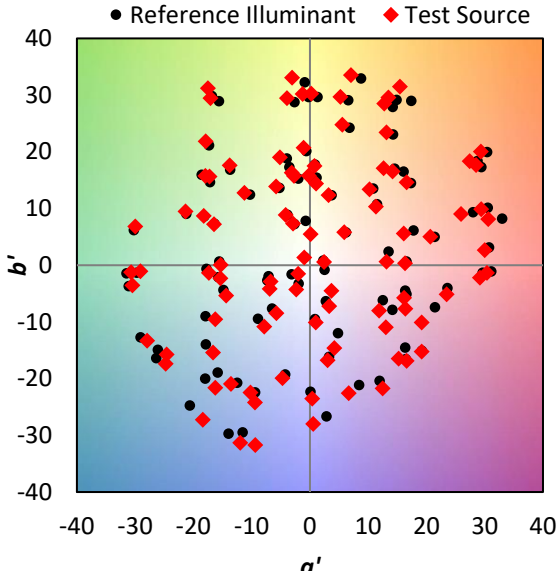
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	141	NR	620	276	NR	750	5	NR	880	0	NR
365	0	NR	495	167	NR	625	279	NR	755	4	NR	885	0	NR
370	0	NR	500	193	NR	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

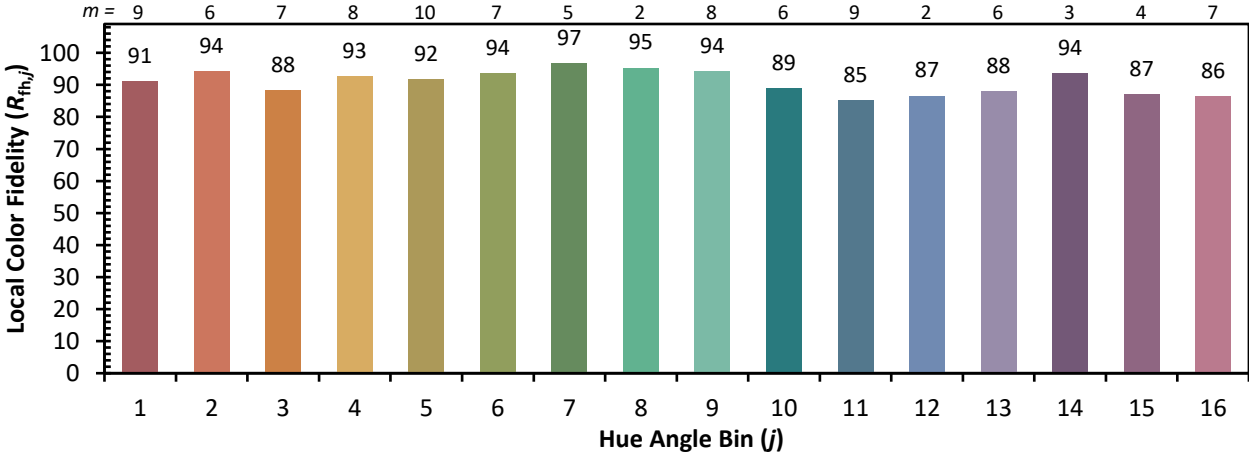


Individual Sample Fidelity Index ($R_{f,i}$)

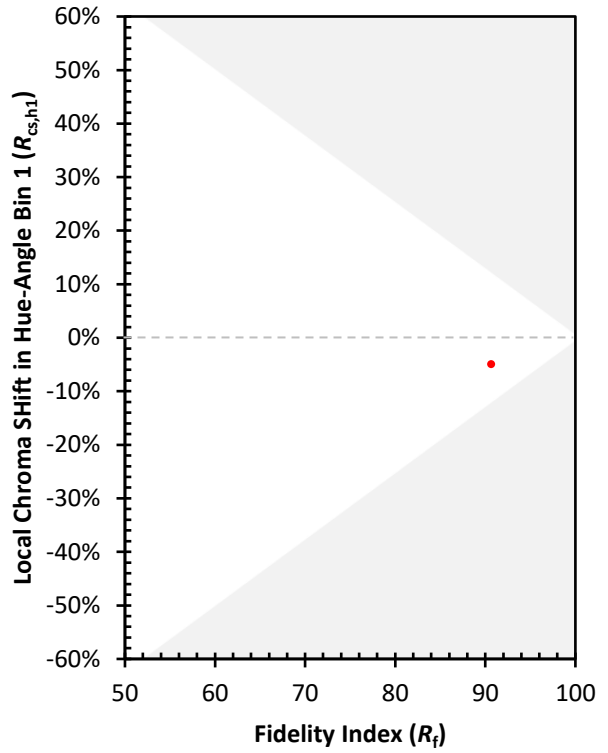
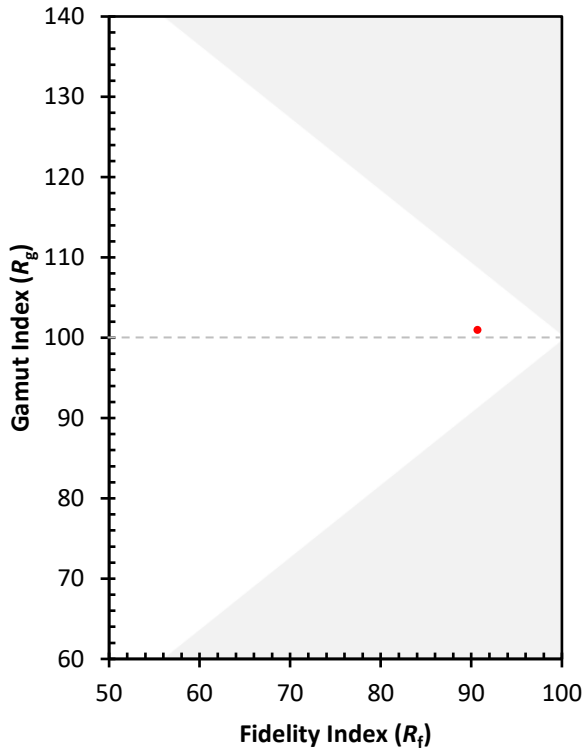
CES01 = 86	CES26 = 90	CES51 = 99	CES76 = 83
CES02 = 62	CES27 = 93	CES52 = 97	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 95	CES78 = 79
CES04 = 69	CES29 = 91	CES54 = 96	CES79 = 94
CES05 = 49	CES30 = 98	CES55 = 95	CES80 = 91
CES06 = 50	CES31 = 92	CES56 = 95	CES81 = 80
CES07 = 42	CES32 = 84	CES57 = 94	CES82 = 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)