

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: P1444365

Luminaire Tested: EHBR1-12-UNV-TA-L840-UPL18

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444365
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-L840-UPL18
Description: Elevate Round Highbay at, 12000 lumens, 4000K 80CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

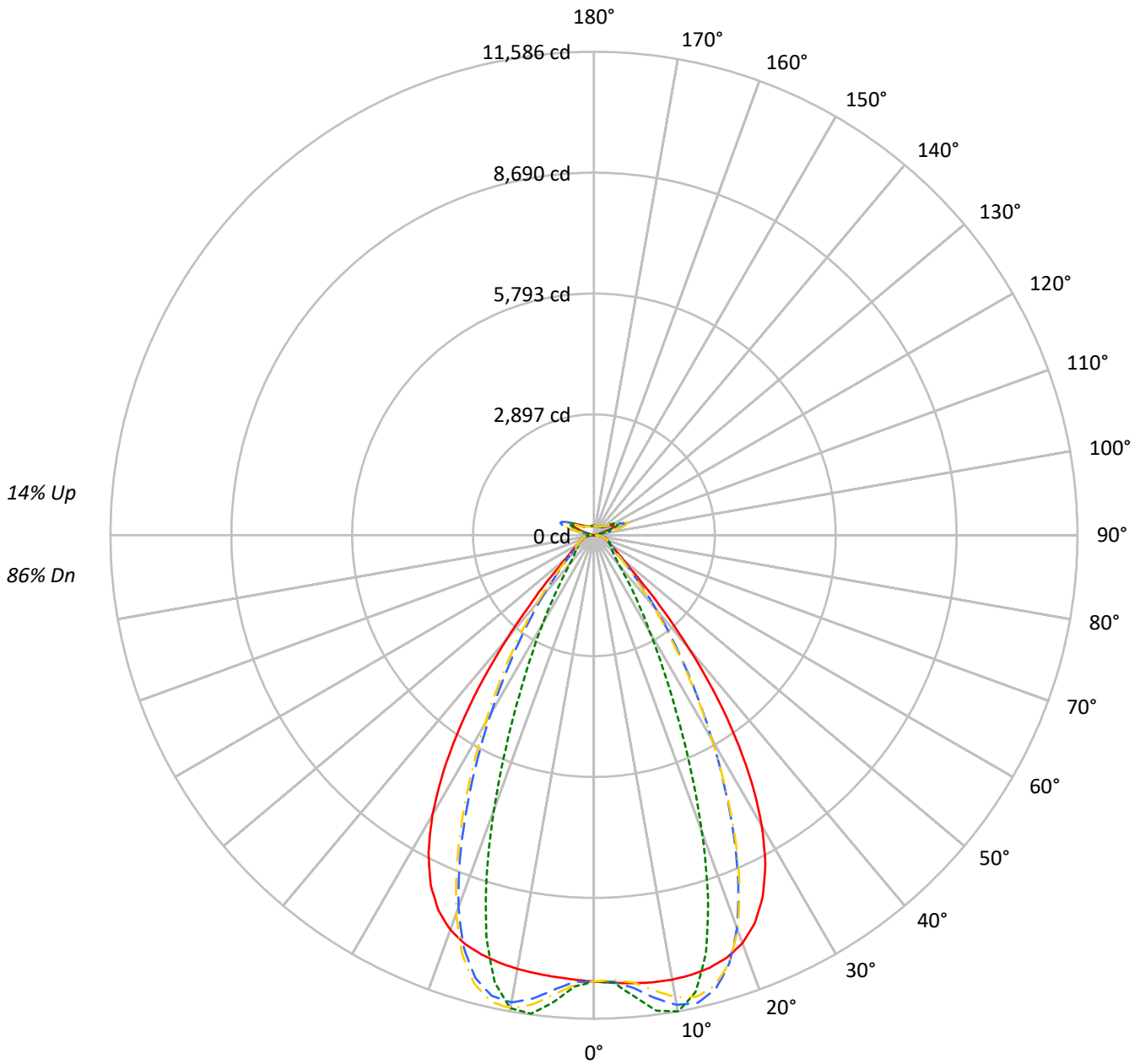
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14244.0 lumens
Efficiency: N/A
Efficacy: 186.0 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 (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	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°	50226	50226	50226	50226
5°	50469	51940	49763	52621
10°	50890	54534	49670	54173
15°	51140	49435	49583	47444
20°	50611	36827	48955	34074
25°	47906	23291	46322	21132
30°	41849	13996	40228	12791
35°	32207	8782	30355	7779
40°	20374	5509	18641	5177
45°	10502	4292	10327	4221
50°	6157	3818	5968	3758
55°	4717	3612	4543	3579
60°	3991	3690	3821	3642
65°	3749	3853	3605	3722
70°	3663	4034	3479	3882
75°	3917	4279	3704	4090
80°	4053	4737	3673	4325
85°	3817	4571	3081	3913

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 16071 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1054.0	7.4
10°-20°	2965.1	20.8
20°-30°	3377.0	23.7
30°-40°	2427.3	17.0
40°-50°	1119.5	7.9
50°-60°	535.7	3.8
60°-70°	390.9	2.7
70°-80°	297.0	2.1
80°-90°	138.4	1.0
90°-100°	53.4	0.4
100°-110°	327.7	2.3
110°-120°	605.7	4.3
120°-130°	365.1	2.6
130°-140°	227.7	1.6
140°-150°	163.2	1.1
150°-160°	110.1	0.8
160°-170°	64.6	0.5
170°-180°	21.7	0.2
0°-30°	7396.2	51.9
0°-40°	9823.5	69.0
0°-60°	11478.6	80.6
0°-90°	12304.8	86.4
90°-120°	986.8	6.9
90°-150°	1742.8	12.2
90°-180°	1939.0	13.6
0°-180°	14244.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10695	10695	10695	10695	10695	
5°	10776	11090	10625	11235	10776	1030
15°	10729	10371	10402	9954	10729	3023
25°	9567	4651	9250	4220	9567	4337
35°	5911	1612	5571	1428	5911	3628
45°	1699	694	1671	683	1699	1445
55°	637	488	614	484	637	588
65°	391	402	376	388	391	391
75°	276	301	261	288	276	287
85°	131	157	106	134	131	123
90°	43	53	18	20	43	26
95°	24	28	24	28	24	24
105°	116	151	77	152	116	154
115°	526	643	551	643	526	485
125°	388	414	440	415	388	353
135°	295	268	318	269	295	230
145°	253	252	270	254	253	160
155°	230	234	246	235	230	107
165°	224	225	232	226	224	64
175°	226	228	230	229	226	22
180°	228	228	228	228	228	



TEST NUMBER: P1444365
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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2
2.5°	10736.1	10735.3	10735.1	10734.3	10734.1	10734.1	10733.7	10732.8	10732.3	10731.1	10729.7
5°	10775.9	10775.4	10775.7	10775.8	10775.0	10773.4	10770.8	10767.5	10763.5	10759.7	10756.3
7.5°	10806.7	10807.5	10808.4	10808.2	10805.9	10802.0	10796.6	10793.6	10795.4	10801.2	10814.6
10°	10812.3	10817.0	10818.7	10818.2	10813.6	10810.1	10811.4	10822.7	10845.3	10875.4	10916.6
12.5°	10790.4	10796.1	10795.9	10794.0	10789.4	10794.1	10810.5	10844.2	10892.6	10951.9	11021.5
15°	10728.9	10736.2	10734.1	10731.7	10728.7	10743.7	10776.5	10835.1	10909.8	10993.5	11079.1
17.5°	10609.3	10618.2	10613.9	10611.1	10608.6	10636.9	10693.3	10779.0	10873.1	10967.7	11049.0
20°	10402.1	10407.9	10397.7	10393.0	10397.0	10452.4	10535.5	10645.1	10744.1	10833.6	10889.1
22.5°	10063.8	10071.1	10052.0	10049.7	10073.4	10158.5	10263.4	10385.9	10479.1	10550.1	10571.4
25°	9566.7	9573.9	9551.2	9564.7	9605.0	9721.0	9846.0	9977.0	10056.5	10109.1	10094.5
27.5°	8895.7	8902.4	8880.8	8908.6	8972.1	9124.5	9271.7	9413.8	9484.6	9521.4	9474.8
30°	8049.6	8063.3	8037.8	8076.5	8173.5	8371.5	8540.1	8699.4	8770.0	8798.1	8725.4
32.5°	7044.6	7064.1	7036.1	7093.7	7229.0	7466.7	7658.2	7836.3	7914.4	7946.4	7864.3
35°	5911.2	5939.1	5906.9	5993.4	6160.2	6425.0	6637.1	6835.9	6928.4	6973.7	6891.1
37.5°	4710.3	4737.0	4719.5	4834.8	5018.2	5292.5	5509.0	5723.5	5828.0	5896.0	5830.8
40°	3531.3	3555.7	3568.8	3700.8	3873.2	4131.9	4339.7	4551.9	4668.8	4754.2	4714.0
42.5°	2492.4	2517.0	2561.9	2689.2	2832.9	3047.0	3225.1	3415.6	3527.3	3618.4	3602.8
45°	1699.1	1727.5	1783.7	1887.9	1992.0	2145.5	2276.3	2424.5	2515.7	2599.2	2600.2
47.5°	1190.6	1210.6	1260.8	1332.0	1399.8	1592.1	1600.0	1672.8	1734.1	1796.5	1804.6
50°	917.6	929.6	956.2	996.0	1034.3	1084.3	1130.0	1182.7	1220.5	1254.7	1262.9
52.5°	754.2	761.8	775.4	796.9	819.1	846.3	870.8	899.7	920.3	938.6	942.4
55°	637.4	643.7	663.9	668.1	693.5	698.4	709.3	726.9	738.9	749.8	752.6
57.5°	549.3	553.9	558.2	567.4	575.2	586.6	595.8	608.4	616.0	623.9	624.6
60°	479.8	483.1	486.1	492.5	497.8	505.8	512.2	520.7	526.1	532.0	532.8
62.5°	428.0	430.4	432.5	436.7	440.4	446.6	451.6	458.8	463.8	468.4	469.4
65°	391.3	393.0	394.3	397.4	400.8	406.0	410.6	416.4	420.1	423.7	424.4
67.5°	358.7	360.3	361.7	364.6	366.9	370.8	373.8	378.3	381.0	383.8	383.9
70°	321.4	322.9	323.9	326.6	328.4	331.8	334.3	338.2	341.0	344.2	345.0
72.5°	295.5	296.4	297.8	300.3	302.8	306.4	309.7	313.8	317.2	320.6	321.9
75°	275.9	276.9	277.8	279.9	281.7	284.7	287.2	290.9	293.9	297.5	299.2
77.5°	247.5	248.7	249.5	251.5	253.2	256.0	257.8	261.2	263.7	266.9	268.4
80°	213.2	214.3	214.9	216.8	218.0	220.8	222.5	225.8	227.8	231.0	232.9
82.5°	175.2	176.3	176.6	178.5	179.1	181.3	182.6	186.0	188.5	192.6	195.4
85°	131.2	131.6	132.2	131.7	134.4	134.5	137.5	138.1	142.1	143.1	147.6
87.5°	80.2	81.4	81.9	83.7	84.6	86.4	87.0	88.9	90.0	92.2	93.2
90°	43.1	45.6	46.8	49.5	50.8	53.4	54.5	57.2	58.4	61.2	63.4
92.5°	21.5	23.0	24.4	25.9	27.4	29.3	30.9	32.4	33.9	35.6	38.7
95°	24.5	26.2	27.9	29.7	31.4	33.2	34.9	36.6	38.3	40.1	45.1
97.5°	31.0	32.5	34.0	35.4	36.9	38.4	40.0	41.4	42.9	44.4	50.3
100°	40.6	41.9	43.1	44.4	45.6	46.9	48.1	49.4	50.7	52.0	63.1
102.5°	67.9	72.3	76.9	81.3	85.8	90.3	94.7	99.2	103.7	108.2	131.8
105°	116.0	128.1	140.5	152.5	164.7	176.9	189.1	201.1	213.3	225.5	263.9
107.5°	199.4	221.8	244.3	266.9	289.4	311.9	334.4	357.0	379.4	401.9	440.8
110°	369.9	388.0	406.1	424.2	442.3	460.4	478.6	496.5	514.7	532.9	561.2



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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°	499.2	507.3	515.6	523.8	532.0	540.2	548.4	556.6	564.8	573.0	593.4
115°	526.2	529.1	531.9	534.9	537.9	540.7	543.6	546.6	549.4	552.2	566.0
117.5°	510.0	509.5	509.1	508.7	508.1	507.7	507.2	506.7	506.2	505.7	513.6
120°	474.3	471.9	469.5	467.1	464.6	462.1	459.7	457.3	454.8	452.1	455.6
122.5°	429.5	426.7	423.8	420.9	417.9	414.9	412.0	408.9	405.9	403.0	404.4
125°	388.0	385.0	382.1	379.2	376.2	373.1	370.2	367.2	364.0	361.0	361.8
127.5°	351.6	349.6	347.7	345.5	343.5	341.3	339.2	337.0	335.0	332.8	333.1
130°	327.8	326.0	324.2	322.4	320.5	318.5	316.6	314.7	312.8	310.8	311.3
132.5°	308.1	307.0	305.7	304.4	303.1	301.6	300.4	298.9	297.5	296.1	296.6
135°	294.7	293.6	292.5	291.3	290.1	288.8	287.5	286.2	284.9	283.5	284.2
137.5°	283.2	282.2	281.2	280.1	279.0	277.8	276.7	275.5	274.2	273.0	273.6
140°	272.7	271.8	270.8	269.8	268.8	267.9	266.8	265.7	264.6	263.4	264.3
142.5°	260.9	260.2	259.6	258.7	258.1	257.2	256.4	255.5	254.7	253.8	254.9
145°	253.2	252.7	252.0	251.4	250.7	250.0	249.3	248.6	247.8	247.2	248.3
147.5°	246.3	245.9	245.5	244.9	244.5	243.9	243.4	242.7	242.2	241.6	242.7
150°	240.2	239.8	239.5	238.9	238.4	237.9	237.4	236.8	236.3	235.7	236.9
152.5°	234.1	233.7	233.3	232.8	232.4	231.8	231.4	230.8	230.2	229.6	230.7
155°	230.1	229.6	229.2	228.7	228.3	227.8	227.3	226.8	226.3	225.8	226.6
157.5°	227.2	226.9	226.7	226.3	226.0	225.5	225.2	224.8	224.5	224.2	224.7
160°	225.7	225.4	225.1	224.7	224.3	224.0	223.7	223.2	222.9	222.6	223.1
162.5°	224.1	223.8	223.5	223.2	222.9	222.4	222.1	221.8	221.5	221.1	221.7
165°	223.5	223.3	223.1	222.9	222.7	222.5	222.3	222.1	221.9	221.7	222.1
167.5°	224.9	224.6	224.4	224.1	223.8	223.5	223.2	222.9	222.7	222.3	222.8
170°	225.1	224.9	224.8	224.7	224.5	224.4	224.3	224.1	223.9	223.8	224.2
172.5°	226.0	225.8	225.7	225.7	225.5	225.4	225.3	225.2	225.1	225.0	225.4
175°	225.7	225.5	225.5	225.4	225.3	225.3	225.2	225.1	225.1	225.0	225.2
177.5°	227.1	227.0	227.0	227.0	227.0	227.0	226.9	226.8	226.8	226.8	227.0
180°	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4



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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°	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2
2.5°	10728.7	10727.4	10725.6	10723.3	10721.4	10719.1	10713.8	10712.1	10714.0	10715.2	10717.6
5°	10754.1	10754.9	10755.2	10760.1	10764.3	10774.8	10857.0	10889.7	10915.1	10931.1	10955.5
7.5°	10831.0	10855.7	10880.2	10913.1	10941.5	10979.8	11123.8	11185.1	11228.7	11259.9	11298.5
10°	10961.3	11015.3	11065.9	11125.1	11176.2	11234.5	11368.5	11428.2	11466.0	11493.4	11518.9
12.5°	11092.4	11167.3	11235.0	11301.0	11356.2	11406.8	11454.0	11474.9	11476.6	11477.5	11463.9
15°	11160.9	11232.4	11292.0	11335.6	11368.1	11382.4	11301.3	11258.7	11204.9	11160.6	11087.7
17.5°	11117.7	11160.6	11186.4	11183.9	11170.4	11125.5	10895.8	10769.4	10643.8	10530.7	10382.5
20°	10926.0	10922.6	10900.2	10836.8	10760.4	10641.4	10247.4	10020.1	9800.3	9607.3	9373.1
22.5°	10569.3	10513.2	10434.9	10298.1	10146.0	9938.3	9373.7	9039.2	8733.3	8463.0	8160.2
25°	10052.5	9936.9	9792.6	9575.4	9339.2	9036.2	8340.3	7924.4	7557.0	7238.4	6889.0
27.5°	9391.0	9217.0	9005.5	8704.8	8384.9	7996.7	7225.1	6766.2	6371.7	6030.2	5658.4
30°	8607.9	8381.7	8108.6	7735.4	7349.4	6909.1	6126.6	5661.7	5262.5	4911.1	4539.0
32.5°	7723.0	7458.0	7138.0	6719.1	6301.7	5849.1	5093.3	4643.3	4262.0	3923.9	3587.1
35°	6746.9	6462.7	6124.2	5697.0	5282.0	4842.0	4148.5	3742.8	3406.1	3107.2	2835.3
37.5°	5699.9	5421.0	5099.1	4696.5	4311.8	3912.9	3314.6	2974.5	2692.0	2444.0	2234.0
40°	4611.3	4367.3	4088.8	3740.7	3412.3	3080.2	2589.0	2319.1	2096.1	1907.0	1749.6
42.5°	3536.0	3346.9	3133.3	2858.3	2607.1	2354.1	1976.1	1776.1	1611.0	1474.8	1363.6
45°	2565.6	2439.0	2295.8	2104.6	1930.7	1754.2	1485.2	1344.7	1237.1	1149.4	1075.1
47.5°	1793.5	1720.0	1715.6	1538.8	1411.4	1303.5	1130.2	1041.4	975.5	922.3	875.3
50°	1259.5	1224.0	1179.8	1116.8	1057.6	996.7	891.0	837.4	798.8	766.5	736.9
52.5°	941.6	923.1	899.6	866.1	834.1	799.8	732.9	698.8	686.7	656.7	633.1
55°	752.0	741.5	728.1	708.4	688.9	681.2	623.9	598.5	582.4	570.6	558.0
57.5°	624.7	616.8	608.8	595.5	584.2	570.6	540.2	527.2	517.6	510.7	501.9
60°	532.9	528.1	523.7	515.9	509.7	502.4	483.1	475.7	470.8	466.6	461.0
62.5°	470.3	467.9	465.6	461.4	458.3	454.4	441.1	437.6	435.1	433.0	429.6
65°	425.2	423.4	422.2	419.3	417.8	415.5	404.1	401.8	400.3	399.5	397.4
67.5°	384.1	382.3	381.5	379.5	378.9	377.4	368.1	366.8	366.3	366.6	365.9
70°	345.8	345.0	345.4	345.1	346.0	346.2	340.6	340.5	341.1	342.4	342.5
72.5°	322.8	322.8	323.2	323.4	324.2	324.6	320.0	319.8	320.0	320.9	320.9
75°	300.9	301.3	302.4	302.8	303.8	304.0	297.9	297.2	297.2	298.0	297.8
77.5°	270.6	271.9	274.1	275.4	277.3	277.6	270.7	269.8	269.9	270.7	270.0
80°	236.2	238.7	242.4	244.9	247.8	248.9	241.9	240.1	238.5	238.3	236.9
82.5°	199.8	202.8	207.1	209.4	212.5	213.2	201.3	199.0	197.7	197.8	196.5
85°	152.5	154.8	158.7	160.0	161.9	161.7	148.1	142.3	143.9	141.5	143.4
87.5°	95.7	97.0	99.5	99.8	100.7	100.5	86.8	84.0	83.2	83.3	82.3
90°	66.9	69.1	72.5	74.1	76.8	77.9	68.1	68.1	66.0	65.4	63.0
92.5°	41.8	44.8	47.8	51.0	54.0	57.1	58.8	61.5	58.4	55.1	52.1
95°	50.1	55.2	60.2	65.4	70.4	75.5	80.5	85.6	80.8	76.1	71.3
97.5°	56.3	62.4	68.3	74.3	80.2	86.3	92.2	98.2	93.1	88.0	82.9
100°	74.3	85.4	96.5	107.6	118.8	129.9	141.1	152.2	142.4	132.5	122.8
102.5°	155.4	179.1	202.8	226.3	250.0	273.7	297.4	321.1	298.7	276.2	253.8
105°	302.3	340.5	378.9	417.2	455.5	493.8	532.3	570.6	534.8	498.7	462.9
107.5°	479.7	518.5	557.4	596.2	635.2	674.0	713.1	752.0	717.0	682.0	647.1
110°	589.7	618.0	646.5	674.8	703.3	731.6	760.4	788.7	767.7	746.8	725.7



TEST NUMBER: P1444365
 CATALOG NUMBER: EHBR1-12-UNV-TA-L840-UPL18

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	613.6	634.1	654.4	674.6	694.9	715.3	736.0	756.3	746.0	735.4	725.0
115°	579.9	593.6	607.3	621.0	634.9	648.5	662.6	676.5	673.2	669.9	666.7
117.5°	521.2	529.0	536.8	544.6	552.1	559.9	568.2	576.0	576.7	577.5	578.2
120°	459.0	462.3	465.7	469.1	472.3	475.6	479.7	483.1	486.1	489.1	492.1
122.5°	405.7	407.1	408.4	409.8	411.1	412.4	414.5	416.1	418.1	420.3	422.5
125°	362.5	363.3	364.1	364.9	365.5	366.4	368.0	368.8	369.2	369.4	369.7
127.5°	333.3	333.7	333.9	334.2	334.4	334.7	335.8	336.3	335.3	334.3	333.3
130°	311.8	312.2	312.7	313.2	313.7	314.1	315.6	316.3	314.4	312.4	310.5
132.5°	297.3	297.9	298.4	299.1	299.6	300.2	301.8	302.6	300.5	298.1	295.8
135°	284.8	285.6	286.3	287.0	287.6	288.5	290.3	291.2	289.1	286.9	284.6
137.5°	274.2	275.1	275.8	276.5	277.1	277.9	279.9	280.9	279.2	277.5	275.8
140°	265.1	265.9	266.7	267.6	268.4	269.3	271.5	272.6	271.4	269.9	268.6
142.5°	255.8	256.9	258.0	259.1	260.2	261.3	263.9	265.3	264.4	263.3	262.5
145°	249.4	250.7	251.9	253.2	254.4	255.7	258.5	260.1	259.6	259.0	258.4
147.5°	243.7	244.8	245.9	247.0	248.2	249.5	252.2	253.9	253.6	253.3	252.9
150°	237.8	239.0	240.1	241.3	242.6	243.8	246.9	248.6	248.3	248.1	247.8
152.5°	231.7	232.7	233.7	234.8	235.8	237.0	240.5	242.3	242.0	241.7	241.5
155°	227.3	228.2	229.0	229.9	230.7	231.7	235.3	236.8	236.7	236.6	236.4
157.5°	225.3	225.9	226.4	227.1	227.7	228.4	232.1	233.5	233.4	233.2	233.1
160°	223.5	224.0	224.5	224.9	225.4	226.0	229.7	231.1	231.0	230.8	230.7
162.5°	222.3	223.0	223.5	224.0	224.7	225.3	229.1	230.6	230.4	230.2	230.0
165°	222.5	222.8	223.2	223.7	224.1	224.5	227.9	229.1	229.0	228.9	228.8
167.5°	223.1	223.6	224.0	224.3	224.8	225.3	228.4	229.6	229.5	229.4	229.3
170°	224.4	224.8	225.1	225.5	225.8	226.3	228.9	229.9	229.7	229.5	229.3
172.5°	225.7	226.2	226.5	226.9	227.2	227.7	230.0	231.0	230.8	230.7	230.4
175°	225.6	225.8	226.2	226.5	226.8	227.1	229.0	229.6	229.5	229.5	229.4
177.5°	227.3	227.4	227.6	227.9	228.1	228.3	229.5	230.0	230.0	230.0	229.9
180°	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4



TEST NUMBER: P1444365
 CATALOG NUMBER: EHBR1-12-UNV-TA-L840-UPL18

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2
2.5°	10718.2	10721.9	10722.5	10726.9	10726.6	10731.7	10730.9	10735.3	10732.7	10736.3	10733.2
5°	10969.9	10992.8	11004.7	11027.0	11034.0	11053.9	11059.5	11077.8	11078.5	11092.9	11089.6
7.5°	11325.8	11359.5	11379.5	11407.0	11421.0	11443.9	11454.0	11471.0	11476.5	11489.9	11491.0
10°	11538.3	11554.7	11566.1	11573.8	11580.8	11584.1	11588.0	11587.0	11588.0	11586.4	11589.8
12.5°	11454.8	11430.9	11415.1	11385.3	11367.9	11334.9	11318.7	11287.0	11275.4	11248.1	11244.2
15°	11031.4	10948.3	10889.5	10804.1	10750.3	10666.2	10617.1	10541.2	10506.6	10446.3	10430.4
17.5°	10259.7	10105.3	9985.9	9832.7	9726.4	9583.1	9493.1	9374.5	9309.5	9214.0	9180.9
20°	9177.9	8949.5	8770.3	8556.8	8404.1	8213.8	8091.9	7938.2	7849.0	7731.6	7683.9
22.5°	7907.7	7623.4	7399.6	7147.5	6963.1	6751.0	6605.0	6438.7	6341.7	6214.1	6157.6
25°	6598.7	6285.1	6036.2	5770.6	5575.8	5363.2	5217.2	5053.9	4953.4	4832.3	4776.2
27.5°	5346.6	5029.2	4788.7	4541.7	4363.1	4171.2	4039.5	3896.9	3807.8	3704.3	3651.6
30°	4241.7	3961.7	3757.1	3552.2	3403.6	3247.8	3138.2	3020.0	2941.8	2853.4	2803.0
32.5°	3341.5	3125.4	2965.1	2802.5	2680.9	2550.7	2456.1	2351.8	2281.1	2202.1	2156.6
35°	2646.5	2478.5	2350.8	2216.8	2112.3	2001.5	1918.1	1828.0	1764.7	1696.6	1657.4
37.5°	2091.0	1957.5	1852.3	1741.0	1655.3	1563.3	1532.4	1429.1	1363.5	1309.2	1271.5
40°	1641.0	1534.8	1447.8	1362.8	1292.7	1223.1	1167.1	1111.9	1069.5	1030.7	1003.9
42.5°	1281.5	1204.5	1141.0	1078.7	1027.7	976.9	936.4	898.3	869.9	844.4	827.1
45°	1018.7	965.8	921.6	877.7	841.7	807.9	780.6	756.3	737.9	722.6	711.8
47.5°	836.9	800.6	769.6	739.9	715.5	693.3	675.0	669.1	649.2	635.9	630.8
50°	711.2	689.3	665.7	643.8	627.5	611.3	599.4	587.8	580.4	574.2	572.4
52.5°	617.5	600.8	587.5	573.7	563.0	551.4	543.2	535.5	531.4	528.2	527.8
55°	547.8	536.1	527.3	518.0	511.6	504.8	500.6	496.5	494.7	493.1	493.2
57.5°	495.0	487.1	481.5	475.5	472.0	468.8	467.7	466.7	467.2	467.5	468.4
60°	456.6	451.4	447.9	444.5	443.0	441.9	442.7	443.7	445.6	447.0	448.4
62.5°	427.1	424.2	422.5	420.6	420.5	420.6	422.1	423.7	426.0	427.7	429.0
65°	396.7	395.1	394.5	393.4	393.9	394.3	396.2	397.4	399.8	401.2	402.8
67.5°	366.2	365.8	366.1	366.1	367.2	368.1	369.9	371.2	373.2	374.5	375.9
70°	343.5	343.7	344.5	344.7	345.8	346.4	348.0	348.9	350.6	351.7	353.4
72.5°	321.5	321.2	321.4	320.9	321.3	321.1	322.0	322.4	323.9	324.7	326.7
75°	298.1	297.0	296.8	295.7	295.8	295.0	295.4	295.3	296.3	296.7	298.2
77.5°	269.8	268.1	267.3	265.6	265.5	264.9	265.6	266.0	267.7	268.6	270.2
80°	235.9	233.3	232.1	230.1	230.5	230.3	232.1	233.4	235.5	235.9	237.9
82.5°	196.0	193.4	192.1	190.1	190.6	190.7	192.2	192.5	194.3	195.1	197.6
85°	140.4	141.5	138.6	138.8	138.2	139.3	140.4	141.8	143.3	145.9	147.8
87.5°	82.6	82.3	83.3	83.4	84.9	85.7	87.9	89.2	91.8	93.8	97.5
90°	61.8	59.3	58.9	57.3	57.5	56.0	56.4	54.8	55.4	54.6	55.7
92.5°	48.6	45.6	42.3	39.1	35.8	32.8	31.1	29.7	28.2	26.8	25.1
95°	66.6	62.0	57.2	52.5	47.8	43.1	41.4	39.7	37.9	36.2	34.4
97.5°	77.9	72.7	67.7	62.6	57.5	52.5	51.4	50.1	49.0	47.9	46.7
100°	113.0	103.2	93.4	83.6	73.9	64.1	63.2	62.3	61.3	60.4	59.4
102.5°	231.4	208.8	186.4	164.0	141.6	119.1	115.1	111.3	107.4	103.4	99.6
105°	427.0	391.1	355.3	319.3	283.4	247.6	236.9	226.1	215.4	204.7	194.1
107.5°	612.1	576.9	542.0	507.0	472.1	437.1	420.2	403.3	386.3	369.4	352.5
110°	704.7	683.7	662.8	641.6	620.7	599.9	583.7	567.6	551.4	535.3	519.2



TEST NUMBER: P1444365
 CATALOG NUMBER: EHBR1-12-UNV-TA-L840-UPL18

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	714.4	704.0	693.5	683.1	672.6	662.2	654.3	646.5	638.7	630.7	622.9
115°	663.4	660.1	656.8	653.6	650.4	647.1	646.6	646.1	645.5	645.1	644.4
117.5°	578.8	579.6	580.3	581.1	581.8	582.5	586.7	591.1	595.3	599.5	604.0
120°	495.0	497.8	500.9	503.9	506.8	509.8	515.5	521.2	527.0	532.8	538.6
122.5°	424.6	426.6	428.7	430.9	433.1	435.2	440.8	446.6	452.2	457.9	463.8
125°	369.9	370.2	370.5	370.6	370.9	371.2	376.0	380.6	385.3	390.2	394.8
127.5°	332.3	331.2	330.0	329.1	328.0	327.0	329.8	332.7	335.5	338.4	341.2
130°	308.5	306.6	304.5	302.6	300.6	298.7	299.9	301.1	302.2	303.5	304.7
132.5°	293.5	291.1	288.8	286.5	284.0	281.8	281.9	282.0	282.2	282.3	282.6
135°	282.4	280.3	278.1	275.8	273.5	271.4	270.9	270.5	270.1	269.7	269.2
137.5°	274.0	272.3	270.5	268.8	267.1	265.4	264.7	264.0	263.2	262.6	262.0
140°	267.3	265.9	264.5	263.1	261.6	260.4	259.8	259.3	258.6	258.2	257.7
142.5°	261.4	260.4	259.4	258.5	257.5	256.5	256.0	255.4	254.9	254.5	253.9
145°	257.8	257.2	256.5	256.0	255.3	254.8	254.3	254.0	253.6	253.3	252.9
147.5°	252.6	252.1	251.8	251.4	251.0	250.7	250.4	250.2	249.9	249.8	249.5
150°	247.4	247.0	246.7	246.4	246.1	245.8	245.6	245.5	245.4	245.4	245.3
152.5°	241.2	240.7	240.4	240.2	239.8	239.5	239.4	239.4	239.3	239.2	239.2
155°	236.2	236.1	235.9	235.7	235.5	235.3	235.2	235.0	234.8	234.6	234.4
157.5°	233.0	232.8	232.6	232.5	232.3	232.1	231.9	231.8	231.6	231.5	231.3
160°	230.5	230.4	230.2	230.1	229.9	229.7	229.4	229.1	228.9	228.6	228.2
162.5°	229.6	229.2	229.0	228.8	228.5	228.3	228.1	227.9	227.7	227.6	227.4
165°	228.6	228.5	228.3	228.1	228.0	227.9	227.6	227.3	227.0	226.7	226.4
167.5°	229.1	229.0	228.8	228.7	228.5	228.4	228.2	227.9	227.6	227.4	227.0
170°	229.1	228.7	228.6	228.3	228.1	227.8	227.6	227.4	227.1	226.9	226.5
172.5°	230.3	230.0	229.7	229.5	229.3	229.1	228.9	228.7	228.5	228.3	228.0
175°	229.3	229.3	229.3	229.1	229.1	229.0	228.9	228.9	228.8	228.8	228.7
177.5°	229.9	229.9	229.9	229.7	229.7	229.7	229.5	229.4	229.2	229.0	228.9
180°	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4



TEST NUMBER: P1444365
 CATALOG NUMBER: EHBR1-12-UNV-TA-L840-UPL18

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2
2.5°	10736.4	10733.6	10735.0	10729.9	10731.1	10725.1	10724.5	10717.6	10717.0	10710.5	10708.1
5°	11099.9	11093.9	11100.6	11090.1	11092.2	11078.5	11077.4	11059.6	11053.6	11031.5	11021.9
7.5°	11499.4	11497.2	11501.3	11492.5	11492.2	11480.0	11475.0	11459.1	11449.2	11426.0	11411.2
10°	11587.0	11589.0	11585.6	11586.4	11581.7	11580.4	11575.6	11572.4	11564.5	11558.4	11549.5
12.5°	11223.5	11225.6	11211.8	11220.6	11213.6	11229.9	11228.6	11247.6	11250.6	11274.8	11283.9
15°	10383.5	10380.9	10354.3	10371.1	10362.0	10397.6	10405.6	10453.5	10479.1	10540.6	10578.4
17.5°	9114.6	9107.7	9070.3	9090.7	9080.3	9132.9	9150.4	9227.0	9274.7	9373.8	9444.4
20°	7602.0	7588.9	7545.1	7569.0	7558.3	7617.9	7643.1	7735.6	7797.1	7928.4	8021.8
22.5°	6070.6	6050.0	6007.0	6029.4	6019.2	6080.9	6113.7	6206.6	6277.1	6411.8	6520.8
25°	4695.5	4677.0	4635.5	4651.2	4647.5	4699.6	4728.8	4816.6	4885.9	5014.2	5118.3
27.5°	3581.3	3562.2	3524.6	3535.7	3531.9	3576.4	3603.8	3677.2	3736.9	3844.9	3936.2
30°	2741.0	2717.8	2686.1	2692.1	2689.6	2725.6	2751.2	2813.0	2864.1	2955.5	3034.2
32.5°	2101.0	2077.7	2048.5	2051.3	2047.5	2075.8	2096.9	2150.6	2195.2	2272.8	2341.3
35°	1607.5	1634.8	1572.4	1611.9	1570.8	1631.1	1609.5	1643.1	1681.4	1746.8	1803.9
37.5°	1235.8	1216.9	1200.8	1199.1	1199.0	1213.0	1229.6	1261.9	1295.7	1344.4	1394.7
40°	979.3	966.0	955.6	954.9	955.6	965.6	977.8	1000.1	1024.8	1059.9	1096.9
42.5°	812.2	803.5	797.1	796.7	798.7	805.8	814.3	827.5	843.6	866.3	891.7
45°	703.0	698.1	694.6	694.4	695.3	699.0	703.9	712.2	722.3	736.5	752.6
47.5°	626.4	625.2	623.0	623.1	622.0	623.6	624.2	628.8	634.2	644.9	665.8
50°	570.6	570.6	569.1	569.0	567.6	567.5	566.3	568.1	570.6	577.2	583.9
52.5°	526.4	526.3	524.7	524.4	522.9	522.8	521.8	522.5	522.8	526.1	530.1
55°	492.0	490.9	488.8	488.1	487.5	488.4	488.0	488.1	487.5	489.0	490.2
57.5°	467.2	465.9	463.8	463.2	463.1	464.1	464.1	463.8	461.9	460.7	458.9
60°	447.6	446.3	444.1	443.6	443.9	445.3	445.2	444.1	441.2	438.8	436.0
62.5°	428.4	427.8	426.7	426.6	426.3	426.5	425.6	424.3	421.6	418.9	415.9
65°	402.6	402.9	402.1	402.2	401.2	401.0	399.5	398.3	395.5	393.2	390.1
67.5°	375.9	376.1	375.3	375.3	374.8	374.9	373.9	372.8	370.5	368.6	366.2
70°	353.8	354.3	353.9	354.0	353.4	353.2	351.7	350.6	348.2	346.6	344.4
72.5°	327.3	328.4	328.4	328.7	327.7	327.3	325.6	324.2	322.0	320.8	319.0
75°	298.8	300.3	300.7	301.4	300.1	299.4	297.5	296.3	294.6	293.8	292.7
77.5°	270.9	272.6	274.2	275.8	273.5	271.6	269.3	267.5	265.0	264.0	262.1
80°	239.6	242.7	246.2	249.2	245.3	241.4	237.5	234.7	231.3	229.9	227.6
82.5°	198.8	201.9	203.9	205.8	203.1	200.3	196.6	194.0	190.4	189.0	186.5
85°	151.0	154.9	156.1	157.1	155.4	153.9	150.3	145.6	143.4	139.7	137.8
87.5°	99.3	101.6	102.1	102.4	101.3	100.6	98.4	96.2	92.2	89.3	85.9
90°	54.5	55.0	53.0	52.6	52.2	53.3	52.1	52.3	49.9	49.7	47.8
92.5°	23.7	22.2	20.7	19.2	20.9	22.2	23.8	25.1	26.7	28.2	29.7
95°	32.7	31.0	29.3	27.5	29.0	30.3	31.7	33.1	34.4	35.8	37.2
97.5°	45.6	44.5	43.3	42.2	43.0	43.8	44.6	45.4	46.1	46.9	47.8
100°	58.5	57.6	56.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
102.5°	95.7	91.7	87.9	83.9	86.6	89.2	91.8	94.4	97.2	99.8	102.5
105°	183.4	172.7	162.0	151.4	161.6	172.0	182.3	192.7	203.0	213.5	223.8
107.5°	335.6	318.7	301.8	284.9	303.8	322.7	341.4	360.3	379.2	398.1	416.9
110°	503.1	487.0	470.9	454.9	474.8	494.8	514.8	534.8	554.8	574.8	594.9



TEST NUMBER: P1444365
 CATALOG NUMBER: EHBR1-12-UNV-TA-L840-UPL18

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	615.0	607.2	599.3	591.6	604.5	617.3	630.2	643.1	656.1	669.0	681.9
115°	644.0	643.5	643.1	642.6	648.7	654.8	660.9	666.9	673.2	679.3	685.4
117.5°	608.2	612.6	617.0	621.3	623.3	625.3	627.2	629.1	631.2	633.1	635.2
120°	544.4	550.1	556.0	561.8	561.0	560.2	559.4	558.6	558.1	557.3	556.7
122.5°	469.6	475.3	481.2	487.0	485.3	483.6	481.9	480.2	478.6	476.9	475.3
125°	399.8	404.6	409.5	414.4	412.7	411.0	409.3	407.6	406.0	404.4	402.9
127.5°	344.3	347.4	350.3	353.4	352.5	351.7	351.0	350.3	349.7	349.0	348.4
130°	306.1	307.4	308.9	310.3	310.5	310.7	311.1	311.4	311.8	312.1	312.6
132.5°	282.9	283.2	283.5	283.9	284.8	285.7	286.8	287.8	289.0	290.0	291.2
135°	269.0	268.7	268.5	268.3	269.7	271.0	272.4	273.9	275.5	277.1	278.8
137.5°	261.4	260.9	260.4	260.0	261.4	262.7	264.3	265.7	267.2	268.8	270.5
140°	257.3	256.8	256.6	256.2	257.6	258.9	260.3	261.8	263.3	265.0	266.6
142.5°	253.5	253.1	252.7	252.4	253.7	254.9	256.3	257.5	259.0	260.3	261.8
145°	252.6	252.2	252.0	251.8	252.7	253.6	254.6	255.6	256.7	257.7	258.8
147.5°	249.4	249.2	249.1	249.0	249.7	250.4	251.1	251.8	252.6	253.4	254.3
150°	245.4	245.3	245.2	245.3	245.7	246.1	246.6	247.0	247.6	248.0	248.7
152.5°	239.2	239.1	239.2	239.2	239.6	240.0	240.5	240.8	241.5	241.9	242.5
155°	234.4	234.2	234.1	234.0	234.1	234.4	234.6	234.7	235.0	235.2	235.4
157.5°	231.2	231.0	231.0	230.8	230.8	230.8	230.9	230.9	231.1	231.1	231.2
160°	228.1	227.8	227.5	227.3	227.4	227.5	227.8	227.8	228.0	228.1	228.3
162.5°	227.3	227.1	227.0	226.8	226.8	226.6	226.5	226.4	226.3	226.2	226.2
165°	226.2	225.8	225.6	225.3	225.3	225.3	225.4	225.4	225.4	225.4	225.5
167.5°	226.8	226.5	226.3	226.0	225.9	225.6	225.5	225.2	225.0	224.8	224.7
170°	226.3	226.1	225.9	225.7	225.6	225.5	225.5	225.3	225.3	225.3	225.3
172.5°	227.8	227.6	227.4	227.2	227.1	227.1	227.0	227.0	226.9	226.9	226.9
175°	228.6	228.6	228.5	228.4	228.3	228.2	228.0	227.9	227.8	227.6	227.4
177.5°	228.8	228.5	228.4	228.3	228.3	228.3	228.3	228.3	228.3	228.2	228.2
180°	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4



TEST NUMBER: P1444365
 CATALOG NUMBER: EHBR1-12-UNV-TA-L840-UPL18

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2
2.5°	10701.2	10698.3	10690.9	10687.2	10680.4	10676.9	10671.6	10668.2	10663.8	10660.6	10659.0
5°	10997.6	10984.0	10956.5	10939.7	10910.0	10890.5	10861.1	10839.6	10809.2	10786.8	10758.1
7.5°	11383.3	11362.3	11327.2	11300.6	11259.2	11227.5	11181.0	11143.8	11092.4	11049.9	10997.4
10°	11540.4	11528.1	11512.4	11495.2	11472.3	11449.8	11418.0	11385.8	11342.6	11299.7	11243.7
12.5°	11308.3	11319.9	11342.6	11353.2	11370.6	11376.5	11384.4	11380.7	11373.8	11356.2	11330.8
15°	10650.9	10699.0	10775.2	10827.8	10901.5	10953.4	11021.9	11066.0	11116.9	11147.2	11176.1
17.5°	9569.6	9662.7	9797.0	9904.1	10047.9	10164.9	10308.1	10420.8	10550.7	10650.4	10756.5
20°	8184.4	8314.9	8500.2	8657.7	8866.1	9042.9	9269.3	9459.0	9680.1	9864.6	10063.7
22.5°	6693.7	6847.1	7059.6	7249.5	7498.3	7720.6	8004.3	8255.1	8554.2	8822.2	9118.5
25°	5287.4	5437.7	5654.1	5850.7	6119.4	6364.3	6674.2	6961.9	7309.0	7632.7	8004.3
27.5°	4081.3	4214.9	4405.1	4582.1	4828.2	5068.6	5383.1	5689.9	6060.3	6408.2	6808.6
30°	3151.9	3260.3	3412.7	3555.1	3752.7	3949.2	4229.4	4513.2	4881.6	5242.2	5652.7
32.5°	2442.7	2535.0	2662.2	2777.9	2930.0	3078.4	3284.6	3511.3	3834.6	4179.9	4576.9
35°	1890.9	1969.9	2078.2	2177.8	2302.9	2420.6	2574.6	2736.4	2983.1	3273.6	3628.9
37.5°	1507.5	1539.7	1617.0	1698.6	1802.6	1899.2	2019.7	2139.4	2315.9	2545.0	2835.3
40°	1146.4	1197.6	1260.5	1324.8	1403.5	1481.1	1613.2	1676.8	1793.0	1957.6	2182.8
42.5°	925.1	961.0	1005.3	1050.0	1104.9	1158.8	1225.6	1293.7	1380.6	1492.0	1652.2
45°	774.1	797.5	826.1	855.8	891.9	928.8	973.5	1020.2	1079.1	1147.6	1244.9
47.5°	673.2	686.2	704.9	725.2	749.9	775.4	804.5	834.2	870.9	911.4	966.9
50°	594.5	605.3	619.8	633.5	650.5	676.6	688.1	704.6	726.6	750.5	781.5
52.5°	537.6	544.8	553.8	561.7	572.4	582.2	595.1	606.4	621.6	636.0	656.1
55°	493.2	495.8	501.0	506.0	513.5	520.1	528.9	536.4	546.1	554.6	567.3
57.5°	459.0	459.2	461.6	464.2	469.0	473.2	479.3	484.1	490.9	496.3	503.9
60°	434.4	433.1	433.6	434.5	437.1	439.8	443.8	446.9	451.1	454.3	458.5
62.5°	413.9	411.8	411.4	411.1	412.5	413.4	415.5	417.0	419.4	420.9	423.1
65°	388.0	385.5	384.6	383.5	383.9	383.6	384.3	384.4	385.6	385.9	387.3
67.5°	364.6	362.5	361.2	359.7	359.1	358.0	357.5	356.5	356.4	355.5	355.3
70°	343.1	341.1	340.1	338.7	338.0	336.6	335.7	334.0	332.9	331.3	330.3
72.5°	318.3	317.2	316.9	315.9	315.7	314.9	314.6	313.3	312.6	311.3	310.5
75°	292.4	291.5	291.5	290.5	290.4	289.5	289.3	288.0	287.3	285.8	285.2
77.5°	261.6	260.2	259.8	258.7	259.0	258.6	258.9	258.0	257.5	256.2	255.7
80°	226.9	225.1	224.4	223.0	223.4	222.7	223.4	223.3	223.8	222.7	222.5
82.5°	185.8	183.8	183.4	182.4	183.1	183.2	184.6	183.8	184.2	183.1	183.6
85°	135.2	133.7	131.8	131.5	130.2	131.5	129.9	131.0	129.1	130.4	128.6
87.5°	83.7	80.8	79.3	77.2	76.4	74.4	73.6	72.1	72.5	71.8	72.2
90°	48.1	46.5	47.6	47.1	48.6	48.3	50.1	50.4	52.6	52.8	54.9
92.5°	31.1	32.6	35.3	38.2	40.9	43.6	46.4	49.2	51.9	54.8	57.4
95°	38.5	40.0	43.6	47.3	51.0	54.7	58.4	62.2	65.8	69.5	73.2
97.5°	48.6	49.4	53.1	56.8	60.4	64.2	67.8	71.6	75.3	79.0	82.6
100°	55.8	55.9	66.4	76.8	87.3	97.8	108.2	118.7	129.3	139.6	150.1
102.5°	105.1	107.8	134.2	160.6	187.1	213.5	240.0	266.5	292.9	319.4	345.9
105°	234.2	244.5	284.8	325.3	365.6	405.9	446.3	486.7	527.0	567.5	607.8
107.5°	435.8	454.7	491.2	527.6	564.0	600.6	637.1	673.5	710.0	746.5	783.1
110°	614.9	634.9	659.3	683.7	708.1	732.6	757.0	781.5	805.9	830.4	854.9



TEST NUMBER: P1444365
 CATALOG NUMBER: EHBR1-12-UNV-TA-L840-UPL18

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	694.7	707.7	721.8	736.1	750.3	764.5	778.7	793.0	807.3	821.5	835.9
115°	691.6	697.7	703.2	708.7	714.3	719.7	725.4	730.9	736.6	742.0	747.7
117.5°	637.3	639.3	640.1	641.0	641.8	642.7	643.5	644.4	645.4	646.4	647.2
120°	555.9	555.2	554.2	553.2	552.3	551.3	550.4	549.5	548.6	547.7	546.9
122.5°	473.7	472.2	471.2	470.3	469.4	468.6	467.7	466.9	466.1	465.1	464.3
125°	401.4	399.9	400.6	401.3	402.1	402.8	403.6	404.4	405.2	405.9	406.8
127.5°	347.8	347.3	349.2	351.3	353.4	355.4	357.5	359.6	361.6	363.7	365.8
130°	313.1	313.5	316.1	318.8	321.4	324.1	326.8	329.5	332.1	334.8	337.5
132.5°	292.3	293.6	296.0	298.6	301.2	303.8	306.3	309.0	311.5	314.1	316.6
135°	280.3	282.0	284.3	286.7	289.0	291.3	293.7	296.0	298.3	300.8	303.0
137.5°	272.0	273.7	275.7	277.5	279.3	281.3	283.0	284.9	286.8	288.7	290.5
140°	268.1	269.9	270.8	271.9	272.8	273.9	275.0	276.1	276.9	278.0	279.0
142.5°	263.2	264.9	265.4	266.2	266.7	267.5	268.1	268.8	269.3	270.0	270.6
145°	259.8	261.0	261.0	261.0	261.0	261.1	261.0	261.1	261.0	261.0	261.0
147.5°	255.1	256.0	255.8	255.7	255.6	255.3	255.2	255.0	254.8	254.6	254.5
150°	249.1	249.8	249.4	249.2	248.8	248.5	248.1	247.8	247.4	247.2	246.8
152.5°	242.9	243.5	243.0	242.7	242.3	242.0	241.5	241.2	240.7	240.3	240.0
155°	235.7	235.9	235.7	235.5	235.3	235.1	234.8	234.7	234.6	234.3	234.2
157.5°	231.2	231.3	231.2	231.1	230.9	230.9	230.7	230.6	230.6	230.6	230.6
160°	228.4	228.6	228.4	228.3	228.2	228.1	227.9	227.9	227.9	227.9	227.9
162.5°	226.1	226.0	225.9	225.8	225.7	225.6	225.5	225.5	225.4	225.4	225.4
165°	225.6	225.7	225.4	225.2	225.0	224.8	224.6	224.5	224.4	224.2	224.1
167.5°	224.5	224.4	224.4	224.5	224.5	224.5	224.6	224.7	224.8	224.9	225.0
170°	225.2	225.3	225.1	225.1	224.9	224.8	224.7	224.7	224.6	224.5	224.5
172.5°	226.9	226.9	226.7	226.4	226.2	226.0	225.7	225.6	225.4	225.1	224.9
175°	227.3	227.2	227.1	227.0	226.9	226.7	226.5	226.4	226.3	226.2	226.1
177.5°	228.2	228.1	228.0	228.0	228.0	228.0	228.0	227.9	227.9	227.9	227.8
180°	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4



TEST NUMBER: P1444365
 CATALOG NUMBER: EHBR1-12-UNV-TA-L840-UPL18

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2
2.5°	10656.9	10656.7	10655.6	10656.1	10656.4	10657.1	10658.0	10659.0	10659.2	10659.9	10660.1
5°	10736.6	10710.2	10690.7	10669.3	10653.1	10638.6	10628.9	10621.2	10618.3	10619.0	10620.8
7.5°	10952.8	10898.4	10853.5	10802.5	10759.9	10714.8	10677.4	10641.9	10616.0	10596.7	10585.9
10°	11190.1	11123.8	11060.5	10986.6	10916.5	10841.7	10773.9	10705.7	10648.9	10599.4	10563.2
12.5°	11295.5	11248.6	11193.7	11124.0	11049.1	10962.8	10875.6	10782.2	10695.3	10614.7	10549.6
15°	11184.0	11184.1	11164.1	11130.6	11078.5	11009.6	10926.5	10829.1	10726.6	10622.0	10526.5
17.5°	10830.0	10896.8	10933.9	10957.4	10950.2	10924.8	10872.0	10797.2	10701.7	10590.2	10473.5
20°	10222.2	10379.7	10492.0	10593.0	10649.6	10687.2	10683.4	10652.9	10584.9	10490.2	10368.7
22.5°	9370.7	9635.0	9843.6	10038.2	10174.7	10285.6	10338.4	10360.7	10329.9	10264.0	10149.9
25°	8336.5	8695.9	9002.7	9300.4	9523.6	9715.7	9831.0	9912.2	9918.7	9884.2	9782.5
27.5°	7187.2	7611.5	7999.8	8395.5	8709.5	8985.4	9166.5	9298.9	9341.0	9335.5	9243.0
30°	6039.5	6484.9	6912.9	7374.3	7762.8	8115.4	8354.5	8533.7	8602.7	8616.0	8527.2
32.5°	4955.5	5394.8	5821.5	6303.9	6731.5	7135.5	7418.1	7631.0	7711.3	7730.2	7632.7
35°	3971.8	4377.0	4782.7	5250.1	5675.3	6093.7	6391.3	6614.2	6689.2	6701.9	6589.0
37.5°	3118.7	3464.0	3817.3	4236.9	4627.3	5020.2	5303.1	5512.5	5567.2	5563.7	5436.1
40°	2400.4	2668.8	2952.8	3298.1	3622.8	3954.9	4193.7	4366.9	4395.6	4374.3	4240.2
42.5°	1805.0	1998.8	2204.8	2462.5	2703.4	2951.9	3125.7	3254.2	3258.4	3224.8	3104.3
45°	1344.7	1533.9	1620.2	1776.0	1931.2	2096.5	2202.5	2282.0	2269.7	2240.1	2148.6
47.5°	1025.1	1097.8	1174.9	1271.5	1361.9	1549.5	1535.6	1663.0	1571.2	1633.9	1496.0
50°	814.1	854.6	896.2	947.6	994.7	1043.7	1074.4	1097.3	1094.3	1084.5	1058.0
52.5°	692.6	705.1	725.6	754.7	781.1	807.6	825.1	839.3	839.5	835.6	822.2
55°	578.9	594.8	609.4	628.5	661.0	666.0	691.0	685.9	687.9	681.0	688.0
57.5°	510.4	519.6	527.9	539.2	548.6	559.6	566.0	572.2	571.7	570.3	563.5
60°	461.8	467.0	471.5	478.2	483.3	489.5	492.5	495.6	494.6	492.3	486.2
62.5°	424.4	427.6	430.2	434.5	437.6	441.4	443.1	444.4	443.1	440.8	435.5
65°	387.5	389.6	391.2	394.4	396.6	400.0	401.3	402.5	401.3	399.6	395.5
67.5°	354.2	354.4	354.3	355.6	356.2	358.2	358.8	359.7	358.3	356.8	353.4
70°	328.9	328.4	327.8	328.3	328.4	329.4	329.5	329.4	327.7	325.1	321.4
72.5°	309.3	309.0	308.5	308.9	308.9	309.8	309.5	309.1	306.9	304.5	300.8
75°	283.8	283.6	282.7	282.7	281.9	282.2	281.2	280.6	278.3	276.2	272.8
77.5°	254.2	253.7	252.2	251.7	250.2	249.6	247.7	246.7	244.4	242.7	239.8
80°	221.0	220.5	218.8	217.7	215.3	213.8	211.0	209.4	206.6	205.0	202.2
82.5°	182.7	182.9	181.1	179.9	176.5	173.9	170.0	168.0	165.0	163.4	160.5
85°	130.0	128.0	129.1	129.0	126.8	124.6	121.5	119.3	116.7	115.2	113.2
87.5°	71.2	71.7	71.2	70.7	69.2	68.1	65.7	64.4	62.6	61.6	60.1
90°	51.4	49.5	46.0	44.3	40.9	38.4	34.7	32.5	29.0	28.1	26.0
92.5°	54.3	51.3	48.2	45.0	42.1	38.9	35.8	32.8	29.7	28.6	27.5
95°	68.7	64.2	59.7	55.2	50.8	46.2	41.8	37.2	32.8	31.9	31.0
97.5°	77.4	72.0	66.8	61.5	56.2	51.0	45.8	40.5	35.2	34.6	34.1
100°	137.9	125.8	113.7	101.5	89.3	77.1	65.1	52.9	40.7	40.0	39.3
102.5°	316.3	287.0	257.4	227.8	198.5	168.9	139.3	109.9	80.4	76.2	71.9
105°	563.2	518.5	473.9	429.3	384.6	339.9	295.3	250.6	206.0	191.7	177.3
107.5°	741.0	699.0	657.2	615.2	573.1	531.1	489.3	447.2	405.1	379.9	354.7
110°	821.5	788.1	754.9	721.6	688.2	654.9	621.5	588.1	554.8	533.1	511.4



TEST NUMBER: P1444365
 CATALOG NUMBER: EHBR1-12-UNV-TA-L840-UPL18

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	811.3	786.9	762.5	738.0	713.7	689.0	664.6	640.2	615.7	602.5	589.3
115°	732.9	718.2	703.5	688.6	673.9	659.1	644.3	629.5	614.7	607.6	600.7
117.5°	639.7	632.0	624.5	616.8	609.2	601.6	594.0	586.2	578.7	576.2	573.7
120°	544.6	542.1	539.6	537.3	534.9	532.4	529.9	527.5	525.1	525.3	525.5
122.5°	465.1	465.9	466.7	467.3	468.1	468.7	469.5	470.1	470.8	472.5	474.3
125°	408.8	410.9	412.9	414.9	416.8	418.8	420.9	422.8	424.8	426.5	428.3
127.5°	368.1	370.4	372.7	374.9	377.3	379.6	381.8	384.0	386.2	387.8	389.5
130°	339.5	341.4	343.4	345.3	347.3	349.2	351.1	353.0	355.0	356.2	357.3
132.5°	318.3	320.1	321.9	323.5	325.2	326.9	328.7	330.3	332.2	333.0	333.8
135°	304.3	305.4	306.7	307.9	309.4	310.5	311.8	313.1	314.3	314.8	315.3
137.5°	291.6	292.5	293.5	294.5	295.5	296.5	297.6	298.6	299.7	299.8	300.1
140°	280.1	281.2	282.2	283.3	284.4	285.5	286.8	287.9	289.1	289.3	289.5
142.5°	271.4	272.1	273.0	273.8	274.8	275.6	276.5	277.4	278.3	278.5	278.7
145°	262.0	263.0	264.1	265.1	266.2	267.2	268.4	269.5	270.7	270.7	270.7
147.5°	255.3	256.2	257.1	258.0	258.9	259.8	260.8	261.8	262.9	262.9	262.9
150°	247.8	248.7	249.6	250.6	251.6	252.8	253.8	254.9	256.1	256.3	256.5
152.5°	241.1	242.1	243.1	244.2	245.4	246.6	247.8	248.9	250.1	250.3	250.6
155°	235.2	236.2	237.3	238.4	239.6	240.7	242.0	243.1	244.3	244.6	244.9
157.5°	231.5	232.4	233.4	234.4	235.4	236.4	237.5	238.5	239.5	239.8	240.0
160°	228.8	229.6	230.5	231.4	232.3	233.2	234.0	234.9	235.8	236.1	236.3
162.5°	226.3	227.2	228.0	228.8	229.7	230.7	231.5	232.4	233.3	233.5	233.8
165°	224.8	225.3	226.0	226.5	227.2	227.8	228.5	229.0	229.9	230.1	230.4
167.5°	225.5	225.9	226.4	226.9	227.4	227.9	228.4	228.9	229.4	229.7	230.0
170°	224.9	225.4	225.7	226.3	226.7	227.2	227.6	228.1	228.6	228.8	229.1
172.5°	225.2	225.5	225.8	226.1	226.4	226.7	227.0	227.4	227.7	228.0	228.2
175°	226.2	226.3	226.5	226.6	226.8	227.0	227.1	227.3	227.5	227.7	228.0
177.5°	227.9	228.0	228.2	228.3	228.5	228.6	228.9	229.0	229.1	229.4	229.9
180°	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4



TEST NUMBER: P1444365
 CATALOG NUMBER: EHBR1-12-UNV-TA-L840-UPL18

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2
2.5°	10659.7	10659.6	10659.3	10658.8	10658.3	10658.6	10659.1	10660.3	10662.4	10665.5	10669.6
5°	10622.2	10624.5	10625.7	10625.9	10624.8	10624.1	10625.1	10628.0	10634.0	10643.8	10657.3
7.5°	10583.1	10585.7	10589.9	10593.0	10593.6	10592.8	10593.0	10597.5	10608.4	10627.8	10654.8
10°	10541.1	10533.2	10537.4	10545.1	10551.2	10552.3	10553.0	10558.5	10574.4	10603.6	10647.1
12.5°	10502.5	10477.3	10472.4	10479.3	10488.6	10491.6	10490.8	10493.1	10511.8	10550.3	10610.9
15°	10451.5	10404.1	10388.0	10389.7	10401.2	10405.3	10402.3	10397.6	10415.9	10463.0	10541.4
17.5°	10369.2	10292.7	10262.9	10261.6	10274.9	10278.6	10271.2	10256.9	10274.8	10333.7	10431.0
20°	10244.0	10131.1	10075.0	10066.0	10080.5	10076.3	10061.6	10040.1	10063.6	10135.1	10250.9
22.5°	10018.9	9875.8	9779.9	9749.0	9766.4	9754.8	9733.3	9705.8	9737.1	9818.3	9947.3
25°	9651.1	9485.7	9354.4	9280.8	9294.7	9273.8	9250.5	9217.1	9254.4	9347.7	9489.6
27.5°	9110.4	8919.5	8756.7	8634.8	8639.3	8612.0	8585.2	8542.0	8588.5	8698.9	8859.0
30°	8391.4	8170.5	7972.3	7806.6	7791.8	7765.4	7737.8	7681.2	7739.4	7871.6	8058.7
32.5°	7488.6	7243.2	7014.3	6804.8	6765.3	6739.5	6715.0	6649.7	6726.0	6880.1	7095.1
35°	6432.7	6171.3	5923.1	5683.9	5618.4	5592.6	5571.2	5508.6	5603.9	5771.6	6003.8
37.5°	5273.7	5006.8	4760.4	4515.0	4422.4	4387.4	4371.9	4330.9	4440.8	4606.6	4839.8
40°	4083.9	3835.7	3614.7	3398.1	3292.6	3239.0	3230.9	3223.5	3329.6	3473.5	3685.2
42.5°	2970.9	2770.6	2600.3	2434.6	2339.1	2265.9	2265.9	2288.1	2383.7	2491.4	2654.7
45°	2055.0	1920.6	1812.2	1701.5	1731.0	1585.2	1670.9	1626.9	1674.1	1743.7	1849.8
47.5°	1412.7	1339.2	1279.7	1217.9	1172.8	1129.7	1133.5	1161.3	1205.8	1246.9	1302.2
50°	1029.6	992.3	961.9	929.8	907.3	888.3	889.4	901.4	924.8	946.5	975.4
52.5°	806.8	786.1	769.7	751.9	740.1	730.7	731.2	737.1	749.7	762.1	778.6
55°	664.9	662.5	641.0	625.1	619.0	612.7	613.9	616.1	624.8	631.9	642.9
57.5°	557.3	547.6	541.1	532.8	528.9	524.5	525.5	526.4	532.1	537.0	544.9
60°	481.2	474.3	469.8	464.0	461.5	458.7	459.4	459.9	463.5	466.8	472.4
62.5°	430.6	424.5	420.6	416.1	414.4	412.5	412.9	413.1	415.4	417.7	422.0
65°	391.9	387.1	383.7	379.9	378.1	376.1	376.3	376.3	378.3	379.9	383.1
67.5°	350.8	347.2	345.1	342.1	340.8	338.8	338.7	338.1	339.4	340.0	342.3
70°	317.9	314.3	311.6	308.7	307.0	305.3	305.3	305.3	306.8	308.4	311.2
72.5°	297.7	294.1	291.7	289.2	287.7	286.2	285.8	285.7	286.8	287.6	289.5
75°	270.7	267.9	266.5	264.2	262.9	261.2	260.9	260.1	260.6	260.8	262.2
77.5°	238.0	235.4	234.3	231.9	230.9	228.9	228.7	227.8	228.2	228.0	229.0
80°	200.9	198.5	197.8	195.8	195.3	193.5	193.2	192.2	192.5	191.7	192.1
82.5°	159.3	157.1	156.6	154.8	154.8	153.2	153.1	151.5	151.5	150.0	147.8
85°	112.2	110.6	109.9	108.4	108.0	106.7	105.9	104.4	103.9	102.9	102.6
87.5°	59.2	58.2	57.3	56.6	55.3	52.9	52.7	51.1	51.3	50.0	50.1
90°	25.2	23.4	22.6	20.8	20.0	18.6	17.9	18.4	19.1	19.7	20.4
92.5°	26.5	25.5	24.4	23.4	22.4	21.3	20.3	21.3	22.4	23.4	24.4
95°	30.1	29.2	28.2	27.2	26.3	25.4	24.5	25.4	26.3	27.3	28.3
97.5°	33.5	32.9	32.4	31.8	31.2	30.7	30.1	30.7	31.2	31.8	32.4
100°	38.6	37.9	37.2	36.5	35.9	35.2	34.5	35.3	36.0	36.6	37.3
102.5°	67.6	63.4	59.1	54.9	50.6	46.3	42.1	46.3	50.6	55.0	59.2
105°	163.0	148.6	134.2	119.9	105.5	91.1	76.8	91.2	105.6	120.0	134.3
107.5°	329.3	304.2	278.9	253.7	228.3	203.1	177.8	203.2	228.4	253.8	279.0
110°	489.6	467.7	445.9	424.1	402.3	380.4	358.6	380.4	402.3	424.1	446.0



TEST NUMBER: P1444365
 CATALOG NUMBER: EHBR1-12-UNV-TA-L840-UPL18

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	575.9	562.7	549.3	536.1	522.8	509.5	496.2	509.5	522.9	536.3	549.5
115°	593.6	586.5	579.6	572.5	565.3	558.4	551.2	558.5	565.5	572.7	579.9
117.5°	571.1	568.6	566.1	563.6	561.0	558.5	555.9	558.6	561.2	563.9	566.6
120°	525.6	525.8	526.0	526.1	526.3	526.4	526.5	526.5	526.5	526.5	526.5
122.5°	475.9	477.7	479.3	481.0	482.6	484.3	485.8	484.4	482.9	481.6	480.0
125°	430.0	432.0	433.6	435.3	436.9	438.7	440.2	438.9	437.4	435.9	434.3
127.5°	390.9	392.5	393.9	395.6	396.9	398.5	399.8	398.7	397.3	396.1	394.8
130°	358.4	359.6	360.5	361.7	362.7	363.7	364.7	363.9	363.1	362.4	361.4
132.5°	334.6	335.4	336.2	336.9	337.6	338.3	338.9	338.5	338.1	337.6	337.1
135°	315.8	316.2	316.8	317.2	317.6	317.9	318.1	318.2	318.1	318.0	317.8
137.5°	300.2	300.4	300.5	300.6	300.6	300.6	300.6	300.9	301.1	301.5	301.6
140°	289.5	289.8	289.9	290.0	290.1	290.1	290.0	290.4	290.6	290.9	291.0
142.5°	278.8	279.0	279.2	279.3	279.3	279.3	279.3	279.6	279.8	280.1	280.2
145°	270.8	270.8	270.8	270.8	270.7	270.5	270.3	270.8	271.2	271.5	271.9
147.5°	262.9	262.9	262.9	262.8	262.7	262.6	262.4	262.8	263.2	263.6	264.0
150°	256.7	256.9	257.1	257.3	257.3	257.4	257.4	257.6	257.8	258.0	258.1
152.5°	250.7	250.9	251.0	251.1	251.3	251.3	251.3	251.6	251.8	252.0	252.1
155°	245.1	245.4	245.6	245.8	246.0	246.2	246.4	246.5	246.6	246.7	246.8
157.5°	240.2	240.5	240.7	240.9	241.2	241.4	241.6	241.8	241.9	242.1	242.1
160°	236.5	236.8	236.9	237.2	237.4	237.6	237.7	237.9	238.1	238.2	238.3
162.5°	234.0	234.2	234.3	234.6	234.7	234.9	235.1	235.3	235.5	235.6	235.7
165°	230.7	231.0	231.4	231.7	232.0	232.3	232.5	232.6	232.6	232.7	232.7
167.5°	230.3	230.6	230.9	231.2	231.4	231.7	231.9	232.0	232.0	232.0	232.1
170°	229.3	229.5	230.0	230.2	230.5	230.7	230.9	230.9	230.9	231.0	231.0
172.5°	228.6	229.0	229.3	229.6	230.1	230.4	230.7	230.7	230.5	230.3	230.1
175°	228.3	228.6	228.9	229.2	229.4	229.9	230.2	230.0	229.9	229.6	229.5
177.5°	230.3	230.7	231.1	231.4	231.7	232.1	232.5	232.2	231.8	231.6	231.3
180°	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4



TEST NUMBER: P1444365
 CATALOG NUMBER: EHBR1-12-UNV-TA-L840-UPL18

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2
2.5°	10675.2	10680.6	10688.7	10696.2	10707.3	10716.1	10729.3	10739.3	10754.2	10763.9	10780.2
5°	10676.2	10697.1	10724.6	10751.4	10783.6	10812.8	10849.2	10880.1	10916.7	10946.4	10983.9
7.5°	10691.3	10731.6	10779.9	10828.5	10883.5	10934.9	10993.0	11045.4	11102.7	11151.4	11204.3
10°	10702.5	10764.5	10835.7	10907.3	10982.7	11052.7	11123.3	11184.4	11241.5	11288.5	11330.0
12.5°	10687.3	10772.9	10864.2	10952.4	11036.1	11108.6	11169.4	11216.3	11248.8	11270.8	11276.0
15°	10636.0	10739.0	10838.3	10926.1	10995.6	11049.2	11076.9	11089.9	11076.0	11052.8	11001.9
17.5°	10540.1	10648.7	10737.5	10806.7	10843.4	10858.1	10835.0	10795.0	10716.9	10630.1	10504.8
20°	10364.3	10465.5	10529.9	10567.7	10557.9	10521.4	10434.7	10329.1	10173.1	10006.8	9787.3
22.5°	10056.0	10144.5	10178.8	10181.5	10121.6	10030.6	9874.0	9693.1	9446.9	9190.9	8876.2
25°	9593.2	9670.7	9676.1	9645.6	9535.9	9388.3	9158.5	8902.4	8567.9	8226.9	7832.5
27.5°	8965.5	9039.7	9021.6	8964.8	8812.4	8615.0	8320.7	7990.0	7577.5	7174.7	6738.4
30°	8176.3	8255.8	8234.4	8161.6	7980.4	7747.1	7400.8	7016.5	6558.6	6128.4	5686.2
32.5°	7232.1	7332.5	7317.8	7248.6	7059.5	6809.8	6434.0	6026.5	5558.0	5134.0	4703.9
35°	6158.7	6280.7	6287.1	6241.8	6066.2	5819.5	5448.4	5054.0	4605.2	4205.2	3807.9
37.5°	5002.4	5143.9	5172.8	5160.6	5015.1	4797.4	4459.3	4105.3	3707.9	3357.2	3017.4
40°	3839.6	3982.8	4032.5	4047.2	3939.8	3771.1	3493.7	3208.0	2883.9	2599.9	2330.0
42.5°	2779.3	2906.1	2954.2	2984.3	2917.3	2804.8	2602.4	2395.0	2157.5	1952.7	1756.3
45°	1930.2	2020.0	2056.5	2086.9	2050.4	1986.9	1859.1	1729.4	1572.6	1438.7	1312.0
47.5°	1349.5	1399.1	1423.2	1437.9	1423.8	1390.6	1321.1	1245.9	1157.4	1079.2	1004.0
50°	1000.3	1026.7	1039.3	1047.7	1037.5	1019.1	981.5	940.5	892.0	847.7	804.3
52.5°	792.7	807.8	815.3	819.9	814.0	802.8	780.9	756.5	727.4	700.0	685.6
55°	667.9	667.0	684.3	676.0	684.3	665.6	661.8	635.1	610.8	593.9	575.4
57.5°	550.7	558.6	561.9	565.6	563.2	559.8	550.5	540.9	528.2	517.5	506.1
60°	476.8	483.2	486.8	490.5	490.3	489.0	483.6	477.9	470.0	463.5	456.7
62.5°	425.8	431.3	435.0	438.5	438.8	438.3	434.2	430.2	424.8	420.8	416.0
65°	385.6	389.6	392.0	394.8	394.7	393.9	390.3	387.0	382.5	379.7	376.2
67.5°	343.7	346.6	348.5	351.2	351.7	351.8	349.8	348.3	346.1	345.3	344.2
70°	313.8	317.4	320.5	323.9	325.7	326.5	325.7	324.9	323.6	323.1	322.2
72.5°	291.2	294.2	296.6	299.7	301.4	302.6	302.0	301.5	300.4	300.3	299.6
75°	263.1	265.3	266.6	268.9	269.8	270.9	270.4	270.7	270.4	271.2	271.2
77.5°	229.4	231.0	231.6	233.3	233.4	234.8	235.1	236.7	237.9	240.4	241.8
80°	191.4	192.4	192.4	194.1	194.9	197.3	198.4	201.0	202.2	204.5	204.7
82.5°	148.7	147.6	148.7	148.0	150.1	152.8	153.2	155.4	155.9	157.4	156.3
85°	101.7	101.6	100.7	100.8	100.2	100.5	100.1	100.5	100.1	100.2	99.1
87.5°	48.7	49.1	48.1	48.4	47.4	47.9	47.0	47.7	46.6	46.8	45.2
90°	21.1	21.8	22.4	23.2	24.1	26.0	28.1	30.0	32.2	34.1	36.2
92.5°	25.5	26.5	27.5	28.7	29.7	32.8	35.8	38.9	42.2	45.1	48.2
95°	29.3	30.2	31.1	32.1	33.0	37.4	42.0	46.4	51.0	55.4	59.9
97.5°	33.0	33.6	34.2	34.7	35.3	40.6	45.9	51.2	56.4	61.8	67.0
100°	38.0	38.7	39.4	40.2	40.9	53.1	65.3	77.4	89.6	101.7	113.9
102.5°	63.5	67.7	72.0	76.4	80.6	110.2	139.6	169.2	198.7	228.1	257.7
105°	148.7	163.1	177.5	191.9	206.2	250.9	295.6	340.3	384.9	429.6	474.3
107.5°	304.3	329.5	355.0	380.2	405.5	447.6	489.6	531.5	573.6	615.6	657.6
110°	467.9	489.7	511.6	533.5	555.3	588.5	622.0	655.4	688.7	722.2	755.5



TEST NUMBER: P1444365
 CATALOG NUMBER: EHBR1-12-UNV-TA-L840-UPL18

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	563.0	576.2	589.6	602.9	616.2	640.7	665.2	689.8	714.4	738.7	763.2
115°	586.9	594.0	601.2	608.1	615.3	630.2	645.1	659.9	674.7	689.4	704.4
117.5°	569.1	571.7	574.3	576.8	579.4	587.0	594.8	602.5	610.2	617.9	625.6
120°	526.5	526.4	526.3	526.1	526.0	528.4	531.0	533.6	536.0	538.5	540.9
122.5°	478.4	476.8	475.2	473.5	471.9	471.2	470.6	469.9	469.4	468.6	468.0
125°	432.8	431.1	429.4	427.8	426.1	424.2	422.3	420.2	418.3	416.4	414.4
127.5°	393.5	392.0	390.7	389.2	387.8	385.5	383.3	381.1	378.9	376.7	374.3
130°	360.7	359.7	358.8	357.6	356.7	354.7	352.8	350.9	349.0	347.2	345.3
132.5°	336.6	336.0	335.3	334.6	333.9	332.2	330.6	328.8	327.1	325.5	323.9
135°	317.5	317.2	316.9	316.6	316.2	315.0	313.8	312.6	311.5	310.2	309.0
137.5°	301.7	301.7	301.8	301.7	301.7	300.7	299.7	298.8	297.9	296.8	295.8
140°	291.1	291.1	291.3	291.2	291.2	290.1	289.1	288.0	287.0	285.8	284.7
142.5°	280.3	280.4	280.5	280.5	280.5	279.6	278.9	278.1	277.3	276.5	275.7
145°	272.0	272.3	272.5	272.6	272.8	271.8	270.8	269.8	268.9	267.8	266.9
147.5°	264.3	264.5	264.7	265.0	265.2	264.3	263.4	262.5	261.7	260.9	260.2
150°	258.2	258.2	258.4	258.4	258.4	257.5	256.6	255.7	254.9	253.9	253.1
152.5°	252.4	252.5	252.6	252.6	252.7	251.7	250.7	249.8	248.8	247.7	246.8
155°	246.9	246.9	246.9	246.9	246.9	246.0	245.1	244.2	243.3	242.3	241.4
157.5°	242.2	242.3	242.4	242.4	242.5	241.7	240.8	240.0	239.2	238.3	237.5
160°	238.4	238.5	238.6	238.7	238.7	238.0	237.4	236.7	236.1	235.3	234.6
162.5°	235.8	236.0	236.0	236.1	236.2	235.5	234.8	234.2	233.5	232.8	232.1
165°	232.6	232.6	232.6	232.5	232.5	232.0	231.7	231.2	230.8	230.2	229.7
167.5°	232.0	231.9	231.9	231.9	231.9	231.6	231.3	230.9	230.5	230.2	229.7
170°	230.9	230.8	230.8	230.8	230.7	230.4	230.1	229.7	229.4	229.0	228.6
172.5°	230.1	229.9	229.6	229.5	229.3	229.1	228.8	228.6	228.5	228.2	228.0
175°	229.2	229.1	228.9	228.7	228.5	228.5	228.4	228.3	228.2	228.0	227.9
177.5°	230.9	230.7	230.4	230.0	229.7	229.6	229.5	229.3	229.3	229.2	229.1
180°	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4



TEST NUMBER: P1444365
 CATALOG NUMBER: EHBR1-12-UNV-TA-L840-UPL18

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2
2.5°	10790.1	10723.6	10714.8	10719.4	10730.5	10734.7	10746.7	10750.0	10762.1	10765.0	10776.6
5°	11012.8	10924.7	10929.1	10950.3	10982.4	11001.4	11033.0	11049.5	11079.5	11093.2	11120.4
7.5°	11247.6	11178.4	11200.0	11235.7	11279.5	11309.9	11347.7	11372.4	11405.0	11425.3	11451.4
10°	11362.9	11343.9	11367.6	11395.7	11420.8	11440.3	11456.4	11469.2	11477.7	11485.5	11489.0
12.5°	11275.2	11304.4	11308.5	11305.7	11289.2	11276.6	11248.1	11228.9	11194.6	11173.7	11132.9
15°	10950.0	11014.4	10978.7	10924.6	10845.5	10779.6	10686.4	10617.1	10520.0	10454.2	10356.9
17.5°	10379.3	10460.6	10367.6	10242.5	10083.3	9947.2	9777.6	9643.1	9474.5	9351.9	9194.6
20°	9575.8	9651.9	9485.9	9278.6	9032.4	8825.1	8580.8	8385.9	8158.9	7990.0	7786.2
22.5°	8575.5	8629.7	8395.8	8116.3	7802.6	7543.8	7251.7	7018.0	6758.8	6565.8	6348.4
25°	7468.8	7483.5	7202.9	6880.9	6531.3	6240.4	5928.5	5682.8	5418.5	5222.8	5009.6
27.5°	6351.8	6330.4	6027.2	5685.7	5317.9	5015.6	4711.4	4481.2	4249.7	4073.4	3889.7
30°	5297.6	5245.6	4930.8	4579.8	4222.9	3951.8	3699.3	3514.4	3330.3	3190.5	3042.9
32.5°	4330.7	4257.5	3951.0	3622.2	3321.4	3112.3	2925.0	2785.1	2636.4	2518.3	2394.6
35°	3474.4	3396.3	3124.9	2846.1	2618.5	2464.3	2317.1	2202.3	2076.1	1976.4	1869.0
37.5°	2739.4	2675.5	2448.1	2228.7	2056.5	1937.1	1816.5	1722.7	1618.3	1574.4	1459.6
40°	2114.9	2070.2	1892.4	1730.6	1601.3	1545.2	1422.8	1335.1	1257.2	1192.9	1130.6
42.5°	1649.6	1633.8	1460.7	1334.6	1243.6	1172.9	1104.7	1049.3	995.4	951.1	909.2
45°	1210.6	1198.1	1121.2	1048.5	986.4	937.0	890.8	852.8	817.5	788.3	761.8
47.5°	942.7	938.7	894.4	849.3	810.2	778.4	748.5	723.3	699.8	680.4	674.0
50°	766.7	766.2	740.2	712.4	684.5	666.1	647.1	632.1	617.1	605.4	593.1
52.5°	651.4	648.6	631.1	613.9	597.4	585.3	573.1	563.5	553.6	546.4	538.7
55°	560.8	563.8	553.6	543.3	533.1	525.6	517.0	510.7	503.9	499.4	494.7
57.5°	497.8	501.8	496.5	490.7	484.4	479.5	473.5	469.2	464.6	461.7	459.1
60°	452.1	456.4	454.3	451.3	447.4	444.5	440.7	438.3	435.4	433.8	432.3
62.5°	413.3	418.6	417.8	416.5	414.0	412.4	410.3	409.3	407.2	406.5	405.8
65°	374.5	380.5	380.4	379.7	378.4	377.9	376.6	376.4	375.3	375.8	375.7
67.5°	344.0	349.2	350.4	351.2	351.2	351.5	351.4	351.9	351.9	352.6	353.2
70°	322.0	325.7	326.5	327.4	327.6	328.3	328.3	328.8	328.6	329.3	329.4
72.5°	299.8	304.6	305.4	306.1	306.1	306.8	306.4	306.3	305.4	305.2	304.5
75°	272.1	278.3	279.6	280.5	280.6	281.2	280.4	279.8	278.3	277.6	276.5
77.5°	243.2	249.6	250.5	250.8	250.3	250.4	248.7	247.5	245.5	244.7	243.6
80°	205.6	215.0	215.7	215.1	213.7	213.4	211.8	210.7	208.3	207.3	206.4
82.5°	156.5	167.5	169.0	169.7	168.5	168.8	167.2	166.5	164.3	163.9	162.4
85°	98.8	109.8	111.6	111.3	110.2	109.9	109.0	109.3	109.1	109.7	110.0
87.5°	45.4	56.0	58.6	57.8	57.7	56.9	55.2	55.9	56.9	57.5	57.6
90°	38.2	43.5	45.4	43.9	41.5	39.8	37.3	35.9	33.6	32.1	29.9
92.5°	51.4	54.4	57.5	54.8	52.0	49.2	46.5	43.7	41.0	38.2	35.4
95°	64.4	68.8	73.3	69.6	65.8	62.2	58.4	54.8	51.1	47.4	43.7
97.5°	72.2	77.5	82.7	79.1	75.4	71.6	67.9	64.3	60.5	56.9	53.2
100°	126.0	138.1	150.2	139.7	129.4	118.9	108.4	97.9	87.4	76.9	66.5
102.5°	287.2	316.5	346.0	319.6	293.1	266.6	240.1	213.7	187.3	160.7	134.3
105°	518.9	563.4	608.0	567.6	527.2	486.8	446.5	406.0	365.7	325.3	284.9
107.5°	699.5	741.3	783.2	746.7	710.2	673.7	637.2	600.8	564.2	527.7	491.3
110°	788.8	821.9	855.1	830.6	806.2	781.7	757.2	732.7	708.2	683.9	659.4



TEST NUMBER: P1444365
 CATALOG NUMBER: EHBR1-12-UNV-TA-L840-UPL18

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	787.7	811.7	836.1	821.7	807.5	793.3	778.9	764.7	750.5	736.3	722.0
115°	719.1	733.3	748.0	742.3	736.8	731.1	725.6	720.0	714.5	708.9	703.5
117.5°	633.1	640.2	647.7	646.7	645.8	644.8	643.8	643.0	642.1	641.2	640.4
120°	543.4	545.2	547.4	548.1	549.1	549.9	550.9	551.7	552.7	553.5	554.5
122.5°	467.3	465.9	464.8	465.7	466.6	467.3	468.2	469.0	469.9	470.7	471.7
125°	412.5	409.6	407.3	406.5	405.8	404.9	404.2	403.3	402.6	401.8	401.1
127.5°	372.2	369.0	366.5	364.5	362.3	360.2	358.2	356.1	354.1	351.9	349.9
130°	343.4	340.4	338.3	335.6	333.0	330.2	327.6	324.9	322.2	319.7	316.9
132.5°	322.2	319.4	317.5	314.9	312.5	309.9	307.2	304.7	302.2	299.5	297.0
135°	307.7	305.4	303.9	301.6	299.4	297.0	294.7	292.3	290.1	287.8	285.4
137.5°	294.9	292.7	291.5	289.7	287.9	286.0	284.2	282.4	280.6	278.6	276.9
140°	283.7	281.3	280.0	279.1	278.1	277.2	276.2	275.2	274.1	273.2	272.2
142.5°	274.9	272.7	271.6	271.1	270.5	269.9	269.4	268.8	268.1	267.5	266.9
145°	265.9	263.3	262.1	262.0	262.2	262.2	262.2	262.3	262.3	262.3	262.4
147.5°	259.3	256.8	255.6	255.8	256.1	256.2	256.5	256.6	256.9	257.0	257.3
150°	252.0	249.2	247.8	248.2	248.5	248.9	249.3	249.7	250.0	250.4	250.7
152.5°	245.8	242.5	240.8	241.3	241.7	242.1	242.5	242.9	243.3	243.8	244.2
155°	240.3	236.7	235.1	235.2	235.4	235.6	235.7	236.0	236.2	236.4	236.8
157.5°	236.6	233.0	231.5	231.4	231.5	231.5	231.6	231.8	231.9	232.0	232.2
160°	234.0	230.4	228.8	228.7	228.8	228.8	228.8	229.0	229.1	229.2	229.3
162.5°	231.4	227.8	226.3	226.3	226.3	226.3	226.4	226.4	226.5	226.6	226.7
165°	229.1	226.2	225.0	225.0	225.2	225.3	225.4	225.7	225.8	226.0	226.3
167.5°	229.4	226.7	225.8	225.7	225.5	225.4	225.4	225.3	225.3	225.2	225.2
170°	228.2	226.1	225.3	225.3	225.4	225.5	225.5	225.6	225.6	225.8	225.9
172.5°	227.7	226.1	225.6	225.7	226.0	226.2	226.4	226.6	226.8	227.0	227.3
175°	227.8	226.9	226.7	226.7	226.8	226.9	227.0	227.2	227.3	227.4	227.6
177.5°	228.9	228.6	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.5	228.5
180°	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4



TEST NUMBER: P1444365
 CATALOG NUMBER: EHBR1-12-UNV-TA-L840-UPL18

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2
2.5°	10778.8	10791.4	10790.4	10802.2	10801.5	10812.6	10810.4	10820.0	10817.8	10826.0	10821.1
5°	11132.4	11156.3	11164.2	11185.8	11190.2	11209.5	11209.9	11225.2	11223.4	11235.4	11229.1
7.5°	11466.9	11489.2	11499.8	11516.5	11524.9	11538.7	11544.2	11555.6	11558.3	11565.1	11564.9
10°	11495.0	11495.0	11500.2	11497.9	11502.6	11499.9	11505.6	11503.5	11512.0	11509.8	11516.1
12.5°	11115.2	11077.6	11063.8	11030.0	11022.5	10993.5	10995.6	10976.9	10985.9	10974.5	10994.0
15°	10299.0	10211.6	10168.4	10092.3	10068.5	10008.4	10003.5	9963.6	9974.4	9953.5	9984.0
17.5°	9092.8	8955.1	8879.6	8768.5	8724.5	8639.5	8622.4	8571.1	8579.0	8553.2	8590.0
20°	7654.7	7488.3	7393.0	7264.6	7207.4	7106.0	7079.1	7021.6	7028.9	7003.2	7044.8
22.5°	6200.1	6025.9	5918.4	5783.8	5710.7	5615.4	5586.8	5529.1	5532.3	5508.2	5548.3
25°	4863.5	4696.5	4592.1	4469.9	4406.4	4319.0	4289.0	4237.1	4240.0	4220.1	4256.1
27.5°	3762.3	3625.2	3537.9	3435.4	3378.5	3306.7	3277.4	3233.8	3233.6	3219.1	3249.2
30°	2940.0	2825.7	2747.2	2658.0	2604.5	2539.8	2511.4	2472.5	2470.7	2460.3	2484.3
32.5°	2301.9	2200.2	2128.7	2050.2	2002.3	1946.6	1919.8	1888.4	1885.6	1876.2	1895.8
35°	1789.5	1703.8	1642.3	1576.2	1581.1	1499.1	1512.7	1448.9	1431.7	1427.8	1442.5
37.5°	1383.0	1316.7	1266.7	1217.3	1183.7	1149.0	1130.4	1113.6	1111.7	1110.1	1120.3
40°	1082.6	1036.1	999.8	965.8	942.7	921.6	909.9	900.7	898.5	897.3	903.5
42.5°	876.1	844.8	821.4	800.6	786.6	775.1	768.8	763.6	761.9	762.0	765.6
45°	740.2	721.2	706.1	693.3	684.3	688.2	676.6	682.7	674.7	683.0	677.5
47.5°	651.9	635.7	626.4	617.2	611.9	607.4	607.6	607.7	609.4	609.6	611.5
50°	583.7	574.3	567.9	562.0	559.2	556.9	557.7	558.3	560.0	560.1	561.4
52.5°	533.3	527.1	523.2	519.5	518.3	517.0	517.5	517.3	518.0	517.7	518.7
55°	492.2	489.3	488.1	486.7	486.9	486.5	486.7	485.5	484.7	483.7	484.6
57.5°	458.5	458.1	458.9	459.5	461.0	461.6	461.9	460.4	459.0	457.7	458.5
60°	432.6	433.2	435.2	436.9	439.1	440.1	440.7	439.9	438.9	437.8	438.4
62.5°	406.9	407.9	410.4	412.3	414.9	416.3	417.8	417.9	418.3	417.9	418.3
65°	377.2	378.4	380.6	382.2	384.7	385.9	387.5	387.8	388.7	388.5	389.2
67.5°	354.6	355.7	357.6	359.0	361.2	362.5	363.9	363.9	364.3	364.2	365.0
70°	330.5	331.1	332.8	334.0	336.2	337.5	339.0	339.5	340.5	340.6	341.4
72.5°	304.8	304.6	305.5	306.1	307.7	308.9	310.9	312.0	313.6	314.0	314.6
75°	276.9	276.6	277.8	278.3	279.7	280.7	283.0	284.4	287.1	288.1	287.8
77.5°	244.5	245.0	247.2	248.4	250.3	251.6	254.6	256.9	261.6	263.8	261.6
80°	208.3	208.8	211.1	212.3	214.7	216.3	219.7	222.4	226.6	227.5	226.3
82.5°	163.7	163.9	165.9	166.8	170.0	172.3	176.6	178.7	181.3	180.9	180.6
85°	111.6	113.1	115.7	118.3	122.3	126.0	130.0	133.2	131.0	134.5	130.5
87.5°	59.6	59.5	63.0	62.5	68.0	71.2	74.6	76.2	78.1	77.7	77.7
90°	28.6	27.1	26.6	25.0	24.8	23.2	23.2	21.7	21.9	20.2	22.6
92.5°	32.7	31.2	29.7	28.3	26.7	25.2	23.7	22.3	20.8	19.3	20.8
95°	40.1	38.6	37.3	35.9	34.5	33.2	31.8	30.4	29.1	27.6	29.4
97.5°	49.5	48.7	47.9	47.1	46.3	45.6	44.8	44.0	43.2	42.4	43.5
100°	56.0	56.0	56.0	56.0	55.9	55.9	55.9	55.9	55.9	55.9	56.8
102.5°	107.9	105.2	102.6	99.9	97.3	94.5	91.9	89.3	86.7	84.0	88.0
105°	244.6	234.3	223.9	213.6	203.1	192.8	182.4	172.1	161.7	151.5	162.1
107.5°	454.9	435.9	417.0	398.3	379.3	360.4	341.5	322.8	303.9	285.0	301.9
110°	635.0	615.0	595.0	575.0	554.9	534.9	514.9	494.9	474.9	455.0	471.0



TEST NUMBER: P1444365
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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°	707.8	694.8	682.0	669.0	656.2	643.2	630.4	617.5	604.7	591.8	599.5
115°	697.8	691.8	685.5	679.5	673.3	667.2	661.0	654.9	648.8	642.7	643.2
117.5°	639.5	637.5	635.4	633.3	631.4	629.3	627.4	625.5	623.4	621.5	617.2
120°	555.6	556.2	556.8	557.6	558.3	559.0	559.6	560.4	561.2	562.0	556.2
122.5°	472.5	474.0	475.6	477.3	478.8	480.6	482.2	483.9	485.6	487.3	481.5
125°	400.3	401.8	403.3	404.9	406.4	408.0	409.8	411.5	413.1	414.9	410.0
127.5°	347.9	348.5	349.0	349.6	350.2	350.9	351.6	352.3	353.2	354.1	350.9
130°	314.3	313.8	313.4	312.9	312.4	312.2	311.9	311.5	311.3	311.1	309.7
132.5°	294.4	293.2	292.1	290.9	289.8	288.7	287.7	286.8	285.7	284.9	284.4
135°	283.1	281.4	279.8	278.2	276.5	275.2	273.5	272.1	270.8	269.4	269.6
137.5°	275.0	273.3	271.7	270.1	268.4	267.0	265.5	264.0	262.6	261.3	261.7
140°	271.2	269.5	267.9	266.3	264.8	263.2	261.7	260.3	258.9	257.7	257.9
142.5°	266.3	264.8	263.2	261.8	260.4	259.0	257.7	256.4	255.2	254.0	254.3
145°	262.4	261.3	260.2	259.1	258.1	257.1	256.0	255.2	254.3	253.5	253.6
147.5°	257.4	256.6	255.7	254.9	254.1	253.5	252.7	251.9	251.2	250.6	250.7
150°	251.1	250.6	250.0	249.5	249.0	248.5	248.1	247.6	247.2	246.8	246.7
152.5°	244.6	244.1	243.6	243.1	242.7	242.2	241.8	241.4	241.1	240.5	240.5
155°	237.0	236.8	236.5	236.3	236.1	235.9	235.7	235.7	235.4	235.3	235.3
157.5°	232.3	232.2	232.1	232.2	232.1	232.0	231.9	232.0	231.9	232.0	232.1
160°	229.5	229.4	229.2	229.1	228.9	228.8	228.7	228.6	228.5	228.4	228.6
162.5°	226.8	227.0	227.0	227.1	227.2	227.3	227.4	227.5	227.6	227.8	227.9
165°	226.5	226.4	226.4	226.2	226.2	226.2	226.2	226.1	226.1	226.2	226.4
167.5°	225.2	225.3	225.4	225.5	225.6	225.9	226.1	226.3	226.4	226.7	226.9
170°	225.9	225.9	225.9	225.9	225.9	226.0	226.0	226.0	226.1	226.2	226.3
172.5°	227.5	227.5	227.4	227.5	227.4	227.5	227.5	227.5	227.5	227.6	227.7
175°	227.6	227.8	227.9	228.1	228.2	228.3	228.4	228.6	228.7	228.8	228.8
177.5°	228.5	228.5	228.5	228.5	228.5	228.6	228.6	228.6	228.6	228.5	228.6
180°	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4



TEST NUMBER: P1444365
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CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2
2.5°	10829.1	10823.6	10829.2	10823.6	10829.2	10822.5	10827.1	10819.8	10821.6	10814.1	10816.0
5°	11238.5	11230.0	11234.5	11223.3	11224.5	11209.5	11209.3	11191.8	11187.2	11167.3	11158.6
7.5°	11569.7	11566.9	11568.5	11561.2	11560.4	11550.1	11545.3	11530.9	11521.8	11503.5	11491.0
10°	11517.2	11525.7	11527.9	11536.5	11538.3	11546.8	11548.6	11557.1	11558.9	11565.2	11565.3
12.5°	10993.1	11021.7	11028.6	11064.0	11078.9	11119.4	11141.1	11185.8	11212.2	11256.8	11284.2
15°	9983.1	10032.8	10052.6	10121.7	10159.9	10240.6	10291.3	10384.0	10449.4	10547.8	10618.0
17.5°	8593.2	8662.6	8693.8	8787.6	8848.7	8967.9	9053.7	9195.0	9303.2	9460.2	9584.7
20°	7052.0	7129.0	7171.5	7278.3	7350.6	7489.7	7596.9	7770.5	7915.3	8114.4	8284.5
22.5°	5560.9	5634.2	5681.3	5790.0	5871.4	6016.5	6136.3	6319.6	6481.8	6706.0	6910.0
25°	4269.7	4336.9	4379.5	4477.8	4554.2	4687.6	4801.9	4978.2	5137.0	5361.9	5571.1
27.5°	3264.1	3320.4	3361.5	3445.3	3512.6	3625.7	3724.0	3869.7	4006.5	4201.1	4387.4
30°	2499.0	2548.8	2588.8	2661.8	2724.3	2822.4	2908.7	3031.1	3144.3	3299.1	3447.3
32.5°	1909.6	1952.5	1988.1	2052.1	2108.7	2197.0	2274.9	2382.1	2479.3	2610.6	2732.6
35°	1456.0	1540.4	1534.5	1622.8	1636.9	1700.3	1769.8	1863.5	1949.6	2061.3	2165.0
37.5°	1130.1	1153.9	1179.3	1218.3	1259.3	1316.9	1375.7	1490.2	1532.3	1616.6	1702.5
40°	911.3	927.4	944.2	970.6	999.2	1039.9	1082.6	1137.2	1193.2	1261.7	1331.6
42.5°	770.5	779.6	790.2	805.7	823.4	849.2	877.7	914.8	953.8	1001.9	1051.1
45°	688.3	684.0	687.2	695.5	706.2	721.8	739.9	762.8	788.2	819.4	852.6
47.5°	611.9	613.6	614.5	619.0	624.8	635.3	646.2	661.8	691.9	701.0	719.1
50°	561.3	562.1	561.8	564.1	567.1	573.8	580.9	591.5	602.0	616.0	629.3
52.5°	518.9	520.0	519.9	521.5	523.0	527.3	531.7	539.2	546.2	555.1	562.6
55°	485.4	487.0	487.8	489.0	489.8	492.0	493.8	497.3	500.3	505.3	509.9
57.5°	459.7	461.9	462.9	463.4	462.5	462.4	461.8	462.5	463.1	465.9	468.5
60°	439.4	441.2	441.5	441.2	439.6	438.4	436.5	435.9	435.6	436.9	438.3
62.5°	418.2	418.9	418.4	417.9	416.0	414.9	412.9	412.2	411.5	412.5	413.2
65°	389.0	389.5	389.0	388.6	387.0	385.9	384.3	383.7	382.8	383.0	382.9
67.5°	365.1	365.7	365.3	364.8	363.6	363.0	361.8	361.0	359.9	359.4	358.6
70°	341.3	341.7	341.1	340.6	339.3	338.8	337.7	337.4	336.5	336.3	335.4
72.5°	314.0	314.1	313.1	312.9	311.9	311.8	311.4	311.8	311.8	312.2	312.0
75°	286.2	285.7	284.5	284.3	283.5	283.9	283.4	284.1	284.1	285.1	285.3
77.5°	258.1	256.7	254.4	253.4	251.8	251.6	250.7	251.3	251.1	252.4	252.9
80°	222.8	221.0	218.0	216.7	214.9	214.6	213.8	214.6	214.2	215.6	216.6
82.5°	177.9	176.3	173.3	172.2	170.1	170.3	169.4	170.3	170.2	172.2	173.4
85°	131.6	130.6	127.4	124.7	121.7	119.9	118.2	117.9	117.2	118.2	118.9
87.5°	76.0	75.1	72.6	71.0	65.7	65.9	63.8	63.7	63.2	62.7	63.8
90°	23.0	25.1	25.7	27.7	28.5	30.7	31.5	33.6	34.4	36.8	37.7
92.5°	22.3	23.7	25.2	26.7	28.3	29.7	31.2	32.7	35.9	39.0	42.4
95°	31.1	32.8	34.5	36.3	38.0	39.8	41.5	43.2	47.9	52.6	57.3
97.5°	44.7	45.8	46.9	48.1	49.2	50.3	51.6	52.7	57.7	62.8	67.8
100°	57.7	58.6	59.5	60.5	61.4	62.4	63.3	64.2	74.1	83.8	93.5
102.5°	91.8	95.8	99.7	103.5	107.6	111.5	115.3	119.3	141.7	164.1	186.5
105°	172.8	183.5	194.3	204.9	215.6	226.3	237.0	247.7	283.5	319.4	355.4
107.5°	318.8	335.7	352.6	369.6	386.5	403.4	420.3	437.3	472.2	507.2	542.1
110°	487.1	503.2	519.3	535.5	551.6	567.7	583.8	600.0	620.9	641.8	662.9



TEST NUMBER: P1444365
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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°	607.4	615.2	623.1	630.9	638.8	646.7	654.5	662.4	672.8	683.3	693.7
115°	643.7	644.2	644.7	645.3	645.7	646.3	646.8	647.4	650.7	653.9	657.2
117.5°	612.8	608.5	604.2	599.9	595.6	591.4	587.0	582.9	582.1	581.4	580.7
120°	550.5	544.7	538.9	533.1	527.4	521.7	516.0	510.4	507.3	504.3	501.4
122.5°	475.7	469.9	464.2	458.4	452.6	447.0	441.4	435.8	433.7	431.4	429.4
125°	405.0	400.3	395.4	390.7	386.0	381.3	376.7	372.0	371.7	371.3	371.2
127.5°	348.0	345.0	342.1	339.2	336.3	333.5	330.8	327.9	329.0	330.0	331.1
130°	308.2	306.9	305.7	304.3	303.2	302.1	300.9	299.7	301.7	303.6	305.7
132.5°	284.2	283.9	283.7	283.4	283.3	283.2	283.1	283.0	285.3	287.7	290.0
135°	269.8	270.1	270.5	270.9	271.4	271.7	272.2	272.6	275.0	277.1	279.4
137.5°	262.3	262.7	263.4	264.0	264.7	265.3	266.1	266.7	268.5	270.1	271.9
140°	258.3	258.7	259.2	259.6	260.1	260.7	261.3	261.7	263.1	264.6	265.9
142.5°	254.7	255.0	255.5	256.0	256.5	256.9	257.5	258.0	259.0	259.9	260.9
145°	253.9	254.1	254.4	254.8	255.1	255.5	255.8	256.2	256.8	257.3	257.9
147.5°	250.8	250.9	251.1	251.3	251.6	251.8	252.0	252.2	252.6	252.9	253.4
150°	246.8	246.8	246.9	246.8	246.9	247.0	247.2	247.2	247.5	247.8	248.1
152.5°	240.6	240.6	240.6	240.5	240.6	240.7	240.7	240.8	241.2	241.5	241.8
155°	235.5	235.6	235.8	235.9	236.1	236.2	236.4	236.5	236.7	236.8	237.0
157.5°	232.2	232.3	232.5	232.6	232.8	232.9	233.0	233.2	233.4	233.5	233.6
160°	228.8	229.1	229.3	229.7	230.0	230.2	230.5	230.7	230.9	231.0	231.2
162.5°	228.1	228.2	228.4	228.5	228.6	228.8	228.9	229.1	229.4	229.6	229.9
165°	226.6	227.0	227.3	227.4	227.7	228.1	228.3	228.6	228.7	228.8	229.0
167.5°	227.1	227.3	227.6	227.9	228.2	228.4	228.7	228.9	229.0	229.1	229.3
170°	226.6	226.8	227.0	227.3	227.5	227.7	228.0	228.1	228.4	228.6	228.8
172.5°	227.9	228.0	228.2	228.4	228.6	228.8	229.0	229.2	229.4	229.6	229.7
175°	228.8	228.8	228.8	228.9	228.9	228.9	228.9	229.0	229.1	229.1	229.1
177.5°	228.7	228.9	229.0	229.1	229.2	229.4	229.5	229.6	229.6	229.6	229.6
180°	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4



TEST NUMBER: P1444365
 CATALOG NUMBER: EHBR1-12-UNV-TA-L840-UPL18

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2
2.5°	10808.4	10808.9	10800.2	10799.7	10791.6	10790.5	10782.6	10780.2	10773.7	10771.4	10764.7
5°	11136.3	11125.7	11101.2	11086.8	11062.5	11046.4	11020.2	11003.0	10977.7	10958.6	10933.1
7.5°	11468.0	11451.5	11424.0	11401.6	11368.0	11341.2	11301.8	11269.5	11226.8	11189.9	11145.1
10°	11565.3	11562.7	11555.7	11545.5	11529.8	11512.3	11485.4	11457.5	11420.2	11379.5	11329.8
12.5°	11325.9	11351.8	11387.1	11408.0	11433.3	11444.5	11454.9	11452.3	11445.4	11424.9	11396.2
15°	10719.7	10792.3	10888.4	10963.0	11048.8	11111.0	11179.8	11222.7	11265.5	11285.3	11297.4
17.5°	9755.2	9892.7	10065.2	10208.1	10372.9	10505.4	10650.5	10759.8	10872.2	10952.7	11025.4
20°	8516.5	8715.6	8959.5	9174.9	9425.5	9643.1	9881.7	10077.6	10279.5	10437.4	10586.9
22.5°	7172.8	7409.4	7704.2	7977.3	8300.2	8590.4	8917.9	9202.9	9500.4	9749.1	9989.4
25°	5851.5	6110.9	6433.3	6738.0	7103.8	7441.4	7829.7	8184.9	8569.5	8903.4	9233.3
27.5°	4644.9	4899.7	5228.8	5553.1	5939.9	6299.6	6715.7	7107.1	7545.0	7948.8	8361.9
30°	3653.3	3869.3	4164.4	4478.6	4860.1	5226.1	5646.8	6049.2	6504.7	6945.7	7411.0
32.5°	2894.4	3059.0	3291.1	3556.6	3908.6	4257.1	4657.5	5046.1	5494.7	5940.1	6424.1
35°	2298.7	2427.0	2603.9	2811.3	3109.3	3409.7	3764.0	4117.2	4535.8	4958.4	5428.8
37.5°	1812.7	1916.8	2055.3	2211.1	2450.2	2696.7	2987.1	3280.1	3643.7	4018.3	4444.6
40°	1415.4	1499.8	1607.6	1723.8	1904.3	2094.3	2318.9	2546.0	2838.2	3144.4	3497.2
42.5°	1111.9	1174.2	1250.4	1335.2	1503.6	1604.5	1756.9	1921.1	2136.0	2358.2	2623.5
45°	893.0	935.4	988.3	1045.2	1123.4	1208.9	1313.2	1422.7	1626.7	1726.8	1888.1
47.5°	745.8	774.2	807.9	843.7	889.8	939.6	1001.4	1064.7	1146.5	1231.3	1330.7
50°	646.6	675.5	687.1	705.7	732.3	760.8	795.7	830.5	874.4	918.9	970.1
52.5°	573.0	582.4	595.0	606.8	623.3	655.6	666.1	684.3	708.9	733.0	759.9
55°	516.7	522.9	531.0	538.2	548.2	557.8	571.5	583.7	600.1	614.6	632.4
57.5°	473.0	477.0	482.6	487.2	493.7	499.2	507.2	513.8	523.3	531.4	542.2
60°	441.2	443.9	447.6	450.7	454.8	457.6	461.6	464.7	469.7	473.8	479.9
62.5°	415.2	416.6	419.1	420.9	423.5	424.9	427.0	428.4	431.1	433.3	436.6
65°	384.1	384.4	386.0	386.9	388.9	389.7	391.4	392.0	394.3	395.8	398.8
67.5°	358.6	357.9	357.9	357.3	357.6	357.0	357.2	356.5	357.4	357.9	360.1
70°	335.3	334.3	334.0	332.9	332.6	331.5	331.2	330.1	330.0	329.7	330.5
72.5°	312.6	312.3	312.4	311.6	311.5	310.8	310.8	310.4	310.9	311.1	312.1
75°	286.5	286.5	287.1	286.4	286.6	286.0	286.2	285.5	285.8	285.7	286.8
77.5°	254.7	255.4	256.8	256.5	256.9	256.2	256.5	255.7	256.0	255.4	255.8
80°	218.9	220.5	222.3	222.3	223.1	222.5	223.2	222.5	222.8	221.8	221.6
82.5°	176.5	177.8	179.8	179.8	181.6	181.9	183.8	183.7	184.9	184.2	183.6
85°	120.6	121.5	123.3	124.2	126.0	127.1	129.0	129.8	128.3	130.9	129.0
87.5°	63.0	65.3	64.0	67.1	66.4	69.4	68.8	71.6	71.0	73.6	73.3
90°	40.6	41.8	44.6	45.8	49.1	50.8	50.9	49.0	49.1	47.3	47.3
92.5°	45.5	48.7	52.0	55.2	58.4	61.6	58.6	55.7	52.7	49.7	46.7
95°	62.1	66.7	71.4	76.2	80.8	85.6	80.5	75.5	70.4	65.4	60.2
97.5°	72.8	78.0	83.0	88.1	93.1	98.2	92.2	86.3	80.2	74.4	68.4
100°	103.3	113.1	122.9	132.6	142.5	152.3	141.2	130.0	119.0	107.8	96.7
102.5°	209.0	231.5	253.9	276.4	298.8	321.2	297.5	273.9	250.2	226.5	202.9
105°	391.2	427.2	463.0	499.0	534.9	570.8	532.6	494.1	455.8	417.5	379.1
107.5°	577.1	612.2	647.3	682.2	717.2	752.2	713.4	674.4	635.6	596.7	557.8
110°	683.9	704.9	725.9	747.0	767.9	789.0	760.7	732.2	703.9	675.3	647.0



TEST NUMBER: P1444365
 CATALOG NUMBER: EHBR1-12-UNV-TA-L840-UPL18

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	704.2	714.7	725.2	735.7	746.2	756.6	736.3	716.1	695.6	675.3	655.0
115°	660.5	663.7	667.0	670.3	673.6	676.9	663.1	649.4	635.7	621.9	608.1
117.5°	580.0	579.3	578.6	578.0	577.1	576.5	568.8	561.1	553.2	545.6	537.7
120°	498.4	495.5	492.6	489.7	486.6	483.7	480.4	477.0	473.6	470.3	466.8
122.5°	427.2	425.3	423.2	421.1	418.8	416.7	415.3	414.0	412.6	411.2	409.9
125°	371.0	370.7	370.4	370.2	369.9	369.6	368.9	368.1	367.3	366.5	365.7
127.5°	332.1	333.2	334.2	335.2	336.2	337.2	336.8	336.7	336.3	336.0	335.7
130°	307.6	309.6	311.5	313.5	315.3	317.3	316.8	316.3	315.7	315.2	314.7
132.5°	292.3	294.6	296.8	299.2	301.5	303.7	303.1	302.5	301.8	301.3	300.6
135°	281.5	283.7	285.8	288.2	290.2	292.3	291.6	290.9	290.0	289.4	288.7
137.5°	273.6	275.4	277.0	278.7	280.3	282.0	281.2	280.5	279.7	279.0	278.3
140°	267.2	268.6	269.8	271.2	272.5	273.8	272.9	272.0	271.1	270.2	269.3
142.5°	261.8	262.8	263.8	264.7	265.6	266.6	265.4	264.3	263.0	261.9	260.8
145°	258.6	259.1	259.7	260.3	260.8	261.4	260.0	258.8	257.4	256.1	254.9
147.5°	253.7	254.0	254.2	254.6	254.8	255.2	253.9	252.7	251.4	250.1	248.9
150°	248.3	248.8	249.0	249.2	249.5	249.7	248.4	247.2	245.9	244.6	243.5
152.5°	242.0	242.4	242.6	242.8	243.0	243.2	242.0	240.8	239.6	238.4	237.2
155°	237.1	237.3	237.4	237.5	237.6	237.7	236.7	235.8	234.8	233.8	232.8
157.5°	233.7	233.9	234.0	234.1	234.2	234.3	233.5	232.8	232.0	231.3	230.5
160°	231.3	231.4	231.5	231.6	231.7	231.8	231.1	230.5	229.9	229.1	228.5
162.5°	230.1	230.5	230.7	230.8	231.1	231.2	230.5	229.7	228.9	228.1	227.4
165°	229.1	229.2	229.3	229.4	229.5	229.6	229.0	228.5	228.0	227.5	226.9
167.5°	229.4	229.5	229.6	229.7	229.7	229.9	229.3	228.9	228.3	227.7	227.2
170°	229.0	229.3	229.5	229.6	229.9	230.0	229.5	229.1	228.6	228.3	227.8
172.5°	230.0	230.3	230.4	230.6	230.7	230.9	230.4	230.0	229.4	229.0	228.5
175°	229.1	229.2	229.3	229.3	229.3	229.3	229.0	228.6	228.3	227.9	227.6
177.5°	229.6	229.6	229.6	229.6	229.6	229.6	229.4	229.1	228.9	228.7	228.3
180°	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4



TEST NUMBER: P1444365
 CATALOG NUMBER: EHBR1-12-UNV-TA-L840-UPL18

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2
2.5°	10762.4	10757.8	10754.7	10750.9	10748.6	10745.5	10743.4	10741.5	10740.0	10738.6	10737.6
5°	10913.7	10889.7	10871.1	10850.8	10834.2	10817.6	10804.9	10794.3	10787.0	10781.5	10778.2
7.5°	11106.5	11062.4	11023.2	10982.0	10945.0	10908.7	10877.4	10850.4	10830.1	10817.0	10809.1
10°	11278.5	11219.6	11161.3	11099.9	11041.7	10985.3	10933.1	10887.3	10851.1	10827.0	10812.9
12.5°	11355.6	11305.4	11245.9	11179.2	11108.0	11035.8	10965.5	10902.0	10848.9	10813.2	10792.5
15°	11287.7	11267.1	11226.6	11175.0	11107.3	11032.7	10950.2	10872.5	10801.1	10754.8	10728.0
17.5°	11066.7	11095.5	11092.4	11072.7	11023.9	10961.2	10877.0	10789.8	10700.5	10638.7	10604.9
20°	10693.8	10784.3	10830.1	10853.7	10834.5	10793.9	10717.7	10629.2	10525.2	10444.4	10395.0
22.5°	10169.7	10329.4	10429.0	10501.8	10517.2	10503.4	10436.1	10351.9	10235.9	10138.8	10066.0
25°	9495.1	9729.1	9886.4	10009.7	10057.6	10069.9	10012.7	9929.1	9799.7	9686.6	9586.5
27.5°	8700.5	9004.5	9214.5	9380.2	9455.0	9487.4	9434.8	9349.4	9196.3	9061.3	8930.7
30°	7805.9	8166.6	8419.5	8618.2	8709.3	8752.2	8696.2	8600.9	8422.8	8260.3	8095.7
32.5°	6848.4	7243.1	7518.7	7734.4	7824.7	7865.1	7791.8	7684.8	7479.0	7287.6	7095.6
35°	5845.9	6244.3	6522.2	6732.2	6807.9	6832.2	6738.6	6614.9	6386.9	6176.8	5967.4
37.5°	4823.0	5193.7	5446.3	5634.7	5681.6	5685.7	5572.9	5436.3	5196.7	4989.5	4781.1
40°	3809.0	4121.6	4325.5	4476.3	4492.6	4478.0	4355.4	4217.9	3993.7	3808.2	3625.2
42.5°	2853.8	3089.8	3235.3	3338.6	3332.4	3303.8	3191.4	3073.1	2888.2	2746.8	2602.9
45°	2035.5	2191.0	2276.1	2336.6	2317.2	2289.8	2202.3	2119.5	1993.8	1902.5	1805.8
47.5°	1414.1	1599.9	1567.5	1685.8	1583.9	1651.2	1511.1	1433.8	1367.1	1318.6	1263.9
50°	1012.3	1054.9	1075.5	1089.5	1082.1	1071.8	1046.5	1024.0	993.6	971.4	945.4
52.5°	781.8	803.1	814.8	823.2	821.5	817.8	806.8	796.8	782.5	773.1	761.8
55°	662.2	662.5	684.0	674.8	688.3	672.5	678.8	661.1	663.9	648.8	638.6
57.5°	550.3	559.0	562.9	566.8	565.6	565.0	560.8	558.6	553.8	552.3	548.9
60°	484.0	488.7	489.6	491.3	489.9	489.3	485.9	484.7	481.6	481.0	478.7
62.5°	438.6	440.9	440.9	440.9	439.1	437.2	433.6	431.7	428.9	428.3	427.0
65°	400.8	403.2	403.6	404.1	402.7	401.3	398.1	395.9	393.1	392.0	390.5
67.5°	361.6	364.1	365.1	366.4	365.6	365.3	363.0	362.2	360.4	359.9	358.6
70°	330.9	332.0	331.9	331.9	330.1	328.5	326.0	324.8	322.8	322.4	321.2
72.5°	312.6	313.4	312.9	312.2	310.0	307.6	304.6	302.4	299.9	298.4	296.5
75°	286.9	287.9	287.3	286.9	284.8	283.3	280.9	279.7	277.9	277.4	276.2
77.5°	255.3	255.8	254.8	254.7	253.1	252.1	250.3	250.0	248.7	248.7	247.5
80°	220.2	219.9	218.2	217.8	216.3	215.9	214.5	214.6	213.6	214.0	213.2
82.5°	181.1	180.1	178.0	177.4	175.6	175.4	174.5	175.3	174.6	175.6	175.0
85°	129.9	130.1	129.2	129.2	128.6	128.7	128.7	129.3	129.4	130.3	130.2
87.5°	72.3	73.5	73.3	74.2	74.2	75.2	75.6	77.1	77.3	78.8	78.8
90°	45.5	45.8	44.0	44.3	43.4	44.4	43.9	44.9	44.0	44.8	43.7
92.5°	43.8	40.8	37.8	34.8	33.3	31.7	30.5	28.8	27.3	25.7	24.3
95°	55.2	50.1	45.1	40.1	38.3	36.6	34.9	33.2	31.4	29.7	27.9
97.5°	62.5	56.4	50.4	44.5	43.0	41.5	40.0	38.4	36.9	35.4	34.0
100°	85.5	74.4	63.2	52.1	50.8	49.5	48.2	47.0	45.7	44.4	43.1
102.5°	179.3	155.6	132.0	108.3	103.8	99.3	94.8	90.3	85.8	81.3	76.9
105°	340.8	302.5	264.1	225.7	213.5	201.3	189.2	177.0	164.8	152.6	140.5
107.5°	518.8	479.9	441.0	402.1	379.6	357.1	334.5	312.0	289.5	267.0	244.4
110°	618.5	590.1	561.6	533.2	515.1	496.9	478.8	460.6	442.5	424.4	406.2



TEST NUMBER: P1444365
 CATALOG NUMBER: EHBR1-12-UNV-TA-L840-UPL18

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	634.7	614.2	593.9	573.4	565.2	557.0	548.8	540.5	532.2	524.0	515.7
115°	594.3	580.6	566.8	552.8	549.9	547.1	544.2	541.1	538.2	535.2	532.1
117.5°	530.0	522.2	514.4	506.6	506.9	507.4	507.8	508.3	508.6	509.0	509.3
120°	463.4	460.1	456.6	453.2	455.7	458.1	460.5	462.8	465.2	467.6	469.8
122.5°	408.4	407.0	405.6	404.1	407.0	410.1	412.9	415.7	418.6	421.4	424.1
125°	365.0	364.0	363.2	362.4	365.4	368.4	371.3	374.0	377.1	379.8	382.5
127.5°	335.4	335.0	334.8	334.4	336.5	338.4	340.5	342.5	344.4	346.2	348.2
130°	314.2	313.6	313.1	312.6	314.4	316.2	318.0	319.8	321.6	323.2	324.8
132.5°	300.0	299.3	298.7	298.1	299.3	300.6	301.9	302.9	304.2	305.2	306.2
135°	288.0	287.1	286.4	285.6	286.8	288.0	289.1	290.1	291.2	292.1	293.1
137.5°	277.6	276.7	276.0	275.2	276.3	277.3	278.3	279.2	280.1	281.0	281.8
140°	268.4	267.5	266.6	265.7	266.6	267.5	268.4	269.3	270.0	270.7	271.5
142.5°	259.6	258.3	257.4	256.1	256.8	257.4	258.0	258.5	259.2	259.6	260.1
145°	253.6	252.1	250.8	249.5	249.9	250.4	250.9	251.4	251.8	252.2	252.6
147.5°	247.7	246.4	245.2	243.9	244.3	244.6	245.0	245.2	245.6	245.8	246.1
150°	242.1	240.7	239.5	238.1	238.4	238.7	239.0	239.3	239.5	239.7	240.0
152.5°	236.0	234.8	233.6	232.3	232.5	232.8	233.0	233.2	233.5	233.7	233.8
155°	231.8	230.7	229.6	228.6	228.8	229.0	229.3	229.4	229.5	229.7	230.0
157.5°	229.6	228.7	228.0	227.1	227.2	227.2	227.3	227.2	227.4	227.4	227.4
160°	227.8	227.1	226.4	225.6	225.6	225.7	225.8	225.8	225.8	225.7	225.8
162.5°	226.6	225.8	225.0	224.2	224.2	224.2	224.3	224.2	224.3	224.3	224.2
165°	226.3	225.8	225.2	224.5	224.5	224.4	224.4	224.2	224.1	224.0	223.8
167.5°	226.6	226.0	225.5	224.8	224.9	224.9	224.9	224.9	225.1	225.0	225.0
170°	227.4	226.8	226.4	225.9	225.8	225.8	225.7	225.6	225.5	225.4	225.3
172.5°	228.1	227.6	227.2	226.6	226.6	226.5	226.5	226.4	226.3	226.2	226.2
175°	227.2	226.9	226.4	226.1	226.0	226.0	226.0	225.9	225.8	225.8	225.7
177.5°	228.1	227.9	227.6	227.4	227.3	227.3	227.3	227.2	227.2	227.2	227.2
180°	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4



TEST NUMBER: P1444365
CATALOG NUMBER: EHBR1-12-UNV-TA-L840-UPL18

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	10695.2	10695.2
2.5°	10736.7	10736.1
5°	10776.5	10775.9
7.5°	10806.9	10806.7
10°	10810.5	10812.3
12.5°	10788.9	10790.4
15°	10726.0	10728.9
17.5°	10605.5	10609.3
20°	10398.0	10402.1
22.5°	10062.1	10063.8
25°	9573.6	9566.7
27.5°	8907.8	8895.7
30°	8061.2	8049.6
32.5°	7051.9	7044.6
35°	5915.8	5911.2
37.5°	4719.6	4710.3
40°	3558.3	3531.3
42.5°	2539.9	2492.4
45°	1755.3	1699.1
47.5°	1225.3	1190.6
50°	928.8	917.6
52.5°	756.9	754.2
55°	638.6	637.4
57.5°	549.7	549.3
60°	479.9	479.8
62.5°	427.8	428.0
65°	391.2	391.3
67.5°	358.9	358.7
70°	321.7	321.4
72.5°	295.9	295.5
75°	276.2	275.9
77.5°	247.9	247.5
80°	213.7	213.2
82.5°	175.8	175.2
85°	131.2	131.2
87.5°	80.2	80.2
90°	44.4	43.1
92.5°	22.9	21.5
95°	26.2	24.5
97.5°	32.5	31.0
100°	41.9	40.6
102.5°	72.3	67.9
105°	128.2	116.0
107.5°	221.9	199.4
110°	388.1	369.9



TEST NUMBER: P1444365
CATALOG NUMBER: EHBR1-12-UNV-TA-L840-UPL18

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	507.4	499.2
115°	529.2	526.2
117.5°	509.7	510.0
120°	472.0	474.3
122.5°	426.9	429.5
125°	385.2	388.0
127.5°	349.9	351.6
130°	326.2	327.8
132.5°	307.3	308.1
135°	293.9	294.7
137.5°	282.5	283.2
140°	272.0	272.7
142.5°	260.5	260.9
145°	253.0	253.2
147.5°	246.1	246.3
150°	240.1	240.2
152.5°	234.0	234.1
155°	230.0	230.1
157.5°	227.3	227.2
160°	225.7	225.7
162.5°	224.2	224.1
165°	223.6	223.5
167.5°	224.9	224.9
170°	225.2	225.1
172.5°	226.1	226.0
175°	225.7	225.7
177.5°	227.2	227.1
180°	228.4	228.4



TEST NUMBER: P1444365
 CATALOG NUMBER: EHBR1-12-UNV-TA-L840-UPL18

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	12.53	13.53	13.13	14.10	14.75	10.91	11.91	11.51	12.48	13.13
	3H	14.08	14.97	14.69	15.55	16.24	13.34	14.23	13.95	14.81	15.50
	4H	14.87	15.70	15.50	16.30	17.00	14.45	15.28	15.08	15.88	16.58
	6H	15.64	16.40	16.28	17.01	17.72	15.49	16.25	16.13	16.87	17.58
	8H	15.95	16.67	16.60	17.30	18.02	15.93	16.65	16.58	17.28	18.00
	12H	16.19	16.88	16.85	17.51	18.25	16.28	16.97	16.94	17.59	18.33
4H	2H	12.91	13.73	13.54	14.34	15.04	11.62	12.45	12.25	13.05	13.75
	3H	14.78	15.46	15.42	16.11	16.82	14.24	14.92	14.88	15.57	16.28
	4H	15.78	16.40	16.43	17.05	17.80	15.49	16.11	16.15	16.76	17.51
	6H	16.73	17.26	17.41	17.94	18.70	16.68	17.21	17.35	17.88	18.65
	8H	17.12	17.62	17.80	18.29	19.06	17.17	17.67	17.85	18.34	19.11
	12H	17.43	17.87	18.12	18.57	19.34	17.58	18.02	18.28	18.72	19.50
8H	4H	16.15	16.65	16.83	17.32	18.09	15.91	16.40	16.59	17.08	17.85
	6H	17.31	17.71	18.02	18.43	19.21	17.26	17.66	17.97	18.38	19.16
	8H	17.82	18.18	18.54	18.90	19.69	17.86	18.22	18.59	18.94	19.73
	12H	18.24	18.56	18.97	19.27	20.13	18.38	18.70	19.11	19.41	20.27
12H	4H	16.20	16.64	16.89	17.34	18.11	15.96	16.40	16.66	17.10	17.87
	6H	17.42	17.78	18.15	18.51	19.30	17.37	17.73	18.10	18.46	19.25
	8H	18.01	18.32	18.73	19.03	19.89	18.04	18.35	18.76	19.06	19.92

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-1

Test Date: 07/30/2025

Luminaire Tested: EHBR-60-L840-N

Data in this report applies to families of products including EHBR-60-L840-N

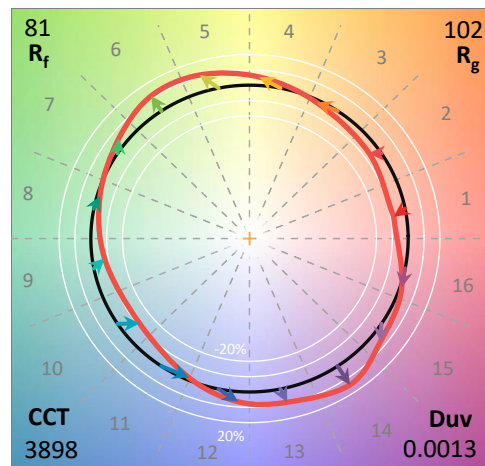
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-1
 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-L840-N**
 Description: Elevate Round Highbay at, 60000 lumens, 4000K 80CRI LEDs with N lens

Spectral Parameters

CCT (K): 3898
 CIE u': 0.2263
 CIE v': 0.5052
 Duv: 0.0013
 CIE x: 0.3861
 CIE y: 0.3831
 CIE z: 0.2308
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 578
 Purity: 30.85729
 Rf: 80.7
 Rg: 102.1

CRI (Ra):	82.1		
R1:	84.4	R9:	38.5
R2:	83.5	R10:	58.9
R3:	80.8	R11:	83.6
R4:	83.9	R12:	54.2
R5:	82.1	R13:	82.8
R6:	77.3	R14:	88.2
R7:	86.4	R15:	81.2
R8:	78.3		



Test Conditions

Stabilization Time: 42M
 Operation Time: 1H 42M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-1

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: SP1-2506-472-1

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

REPORT NUMBER: SP1-2506-472-1

Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	60	NR	620	277	NR	750	6	NR	880	0	NR
365	0	NR	495	87	NR	625	278	NR	755	5	NR	885	0	NR
370	0	NR	500	124	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	168	NR	635	623	NR	765	4	NR	895	0	NR
380	1	NR	510	209	NR	640	162	NR	770	3	NR	900	0	NR
385	1	NR	515	246	NR	645	158	NR	775	3	NR	905	0	NR
390	2	NR	520	273	NR	650	134	NR	780	2	NR	910	0	NR
395	4	NR	525	292	NR	655	109	NR	785	2	NR	915	0	NR
400	5	NR	530	305	NR	660	91	NR	790	2	NR	920	0	NR
405	7	NR	535	313	NR	665	75	NR	795	2	NR	925	0	NR
410	11	NR	540	319	NR	670	70	NR	800	1	NR	930	0	NR
415	21	NR	545	323	NR	675	56	NR	805	1	NR	935	0	NR
420	42	NR	550	326	NR	680	47	NR	810	1	NR	940	0	NR
425	76	NR	555	330	NR	685	41	NR	815	1	NR	945	0	NR
430	125	NR	560	333	NR	690	35	NR	820	1	NR	950	0	NR
435	193	NR	565	336	NR	695	30	NR	825	1	NR	955	0	NR
440	302	NR	570	336	NR	700	26	NR	830	1	NR	960	0	NR
445	432	NR	575	335	NR	705	22	NR	835	1	NR	965	0	NR
450	380	NR	580	332	NR	710	19	NR	840	0	NR	970	0	NR
455	213	NR	585	326	NR	715	16	NR	845	0	NR	975	0	NR
460	147	NR	590	319	NR	720	14	NR	850	0	NR	980	0	NR
465	104	NR	595	307	NR	725	12	NR	855	0	NR	985	0	NR
470	65	NR	600	299	NR	730	10	NR	860	0	NR	990	0	NR
475	50	NR	605	291	NR	735	9	NR	865	0	NR	995	0	NR
480	46	NR	610	317	NR	740	8	NR	870	0	NR	1000	0	NR
485	47	NR	615	336	NR	745	7	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-1

Scotopic Flux vs. Wavelength



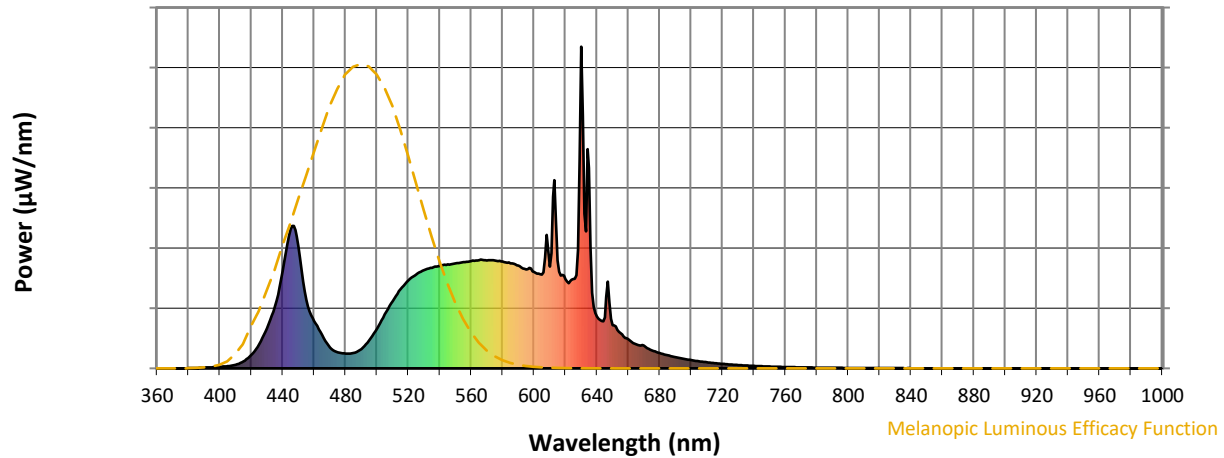
Scotopic Lumens: NR

S/P: 1.55

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	60	NR	620	277	NR	750	6	NR	880	0	NR
365	0	NR	495	87	NR	625	278	NR	755	5	NR	885	0	NR
370	0	NR	500	124	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	168	NR	635	623	NR	765	4	NR	895	0	NR
380	1	NR	510	209	NR	640	162	NR	770	3	NR	900	0	NR
385	1	NR	515	246	NR	645	158	NR	775	3	NR	905	0	NR
390	2	NR	520	273	NR	650	134	NR	780	2	NR	910	0	NR
395	4	NR	525	292	NR	655	109	NR	785	2	NR	915	0	NR
400	5	NR	530	305	NR	660	91	NR	790	2	NR	920	0	NR
405	7	NR	535	313	NR	665	75	NR	795	2	NR	925	0	NR
410	11	NR	540	319	NR	670	70	NR	800	1	NR	930	0	NR
415	21	NR	545	323	NR	675	56	NR	805	1	NR	935	0	NR
420	42	NR	550	326	NR	680	47	NR	810	1	NR	940	0	NR
425	76	NR	555	330	NR	685	41	NR	815	1	NR	945	0	NR
430	125	NR	560	333	NR	690	35	NR	820	1	NR	950	0	NR
435	193	NR	565	336	NR	695	30	NR	825	1	NR	955	0	NR
440	302	NR	570	336	NR	700	26	NR	830	1	NR	960	0	NR
445	432	NR	575	335	NR	705	22	NR	835	1	NR	965	0	NR
450	380	NR	580	332	NR	710	19	NR	840	0	NR	970	0	NR
455	213	NR	585	326	NR	715	16	NR	845	0	NR	975	0	NR
460	147	NR	590	319	NR	720	14	NR	850	0	NR	980	0	NR
465	104	NR	595	307	NR	725	12	NR	855	0	NR	985	0	NR
470	65	NR	600	299	NR	730	10	NR	860	0	NR	990	0	NR
475	50	NR	605	291	NR	735	9	NR	865	0	NR	995	0	NR
480	46	NR	610	317	NR	740	8	NR	870	0	NR	1000	0	NR
485	47	NR	615	336	NR	745	7	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.99

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	60	NR	620	277	NR	750	6	NR	880	0	NR
365	0	NR	495	87	NR	625	278	NR	755	5	NR	885	0	NR
370	0	NR	500	124	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	168	NR	635	623	NR	765	4	NR	895	0	NR
380	1	NR	510	209	NR	640	162	NR	770	3	NR	900	0	NR
385	1	NR	515	246	NR	645	158	NR	775	3	NR	905	0	NR
390	2	NR	520	273	NR	650	134	NR	780	2	NR	910	0	NR
395	4	NR	525	292	NR	655	109	NR	785	2	NR	915	0	NR
400	5	NR	530	305	NR	660	91	NR	790	2	NR	920	0	NR
405	7	NR	535	313	NR	665	75	NR	795	2	NR	925	0	NR
410	11	NR	540	319	NR	670	70	NR	800	1	NR	930	0	NR
415	21	NR	545	323	NR	675	56	NR	805	1	NR	935	0	NR
420	42	NR	550	326	NR	680	47	NR	810	1	NR	940	0	NR
425	76	NR	555	330	NR	685	41	NR	815	1	NR	945	0	NR
430	125	NR	560	333	NR	690	35	NR	820	1	NR	950	0	NR
435	193	NR	565	336	NR	695	30	NR	825	1	NR	955	0	NR
440	302	NR	570	336	NR	700	26	NR	830	1	NR	960	0	NR
445	432	NR	575	335	NR	705	22	NR	835	1	NR	965	0	NR
450	380	NR	580	332	NR	710	19	NR	840	0	NR	970	0	NR
455	213	NR	585	326	NR	715	16	NR	845	0	NR	975	0	NR
460	147	NR	590	319	NR	720	14	NR	850	0	NR	980	0	NR
465	104	NR	595	307	NR	725	12	NR	855	0	NR	985	0	NR
470	65	NR	600	299	NR	730	10	NR	860	0	NR	990	0	NR
475	50	NR	605	291	NR	735	9	NR	865	0	NR	995	0	NR
480	46	NR	610	317	NR	740	8	NR	870	0	NR	1000	0	NR
485	47	NR	615	336	NR	745	7	NR	875	0	NR			

Summary

$R_f = 80.7$
 $R_g = 102.1$
 CIE $R_a = 82.1$
 $R_9 = 38.5$

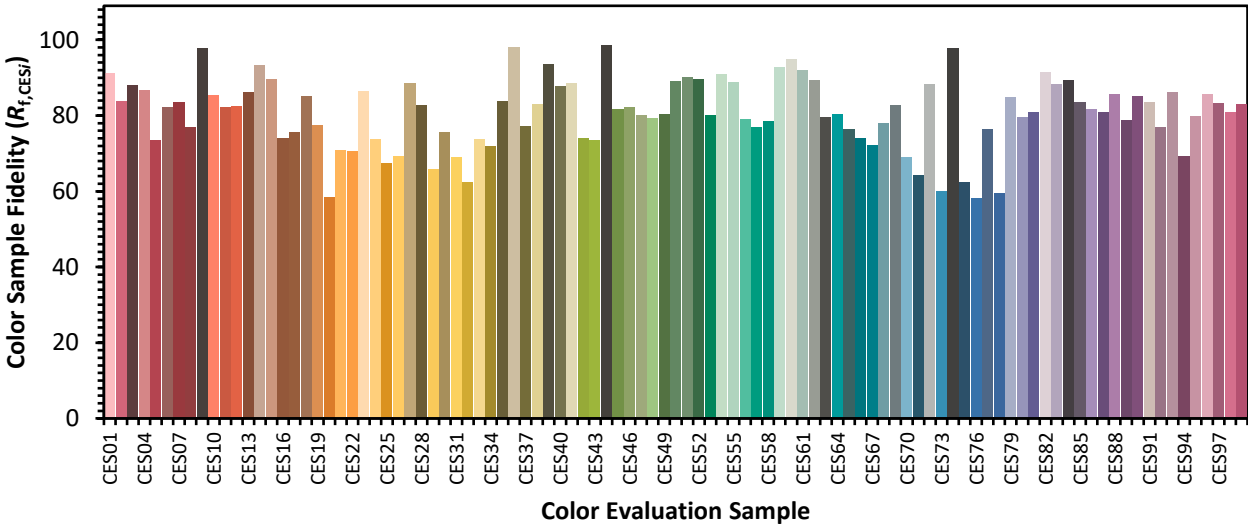


Color Vector Graphics



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

CES01 = 85	CES26 = 69	CES51 = 90	CES76 = 58
CES02 = 61	CES27 = 89	CES52 = 90	CES77 = 76
CES03 = 31	CES28 = 83	CES53 = 80	CES78 = 60
CES04 = 69	CES29 = 66	CES54 = 91	CES79 = 85
CES05 = 48	CES30 = 76	CES55 = 89	CES80 = 79
CES06 = 50	CES31 = 69	CES56 = 79	CES81 = 81
CES07 = 41	CES32 = 62	CES57 = 77	CES82 = 91
CES08 = 40	CES33 = 74	CES58 = 79	CES83 = 88
CES09 = 29	CES34 = 72	CES59 = 93	CES84 = 89
CES10 = 74	CES35 = 84	CES60 = 95	CES85 = 84
CES11 = 57	CES36 = 98	CES61 = 92	CES86 = 82
CES12 = 63	CES37 = 77	CES62 = 89	CES87 = 81
CES13 = 43	CES38 = 83	CES63 = 80	CES88 = 86
CES14 = 74	CES39 = 94	CES64 = 80	CES89 = 79
CES15 = 71	CES40 = 88	CES65 = 77	CES90 = 85
CES16 = 47	CES41 = 89	CES66 = 74	CES91 = 83
CES17 = 49	CES42 = 74	CES67 = 72	CES92 = 77
CES18 = 56	CES43 = 73	CES68 = 78	CES93 = 86
CES19 = 71	CES44 = 98	CES69 = 83	CES94 = 69
CES20 = 65	CES45 = 82	CES70 = 69	CES95 = 80
CES21 = 86	CES46 = 82	CES71 = 64	CES96 = 86
CES22 = 78	CES47 = 80	CES72 = 88	CES97 = 83
CES23 = 91	CES48 = 79	CES73 = 60	CES98 = 81
CES24 = 90	CES49 = 80	CES74 = 98	CES99 = 83
CES25 = 71	CES50 = 89	CES75 = 62	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)