

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: P1444858

Luminaire Tested: EHBR1-12-UNV-TA-L950-UPL12

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444858
REPORT IS A COMBINATION OF REPORTS P1444300 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-12-UNV-TA-L950-UPL12
Description: Elevate Round Highbay at, 12000 lumens, 5000K 90CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

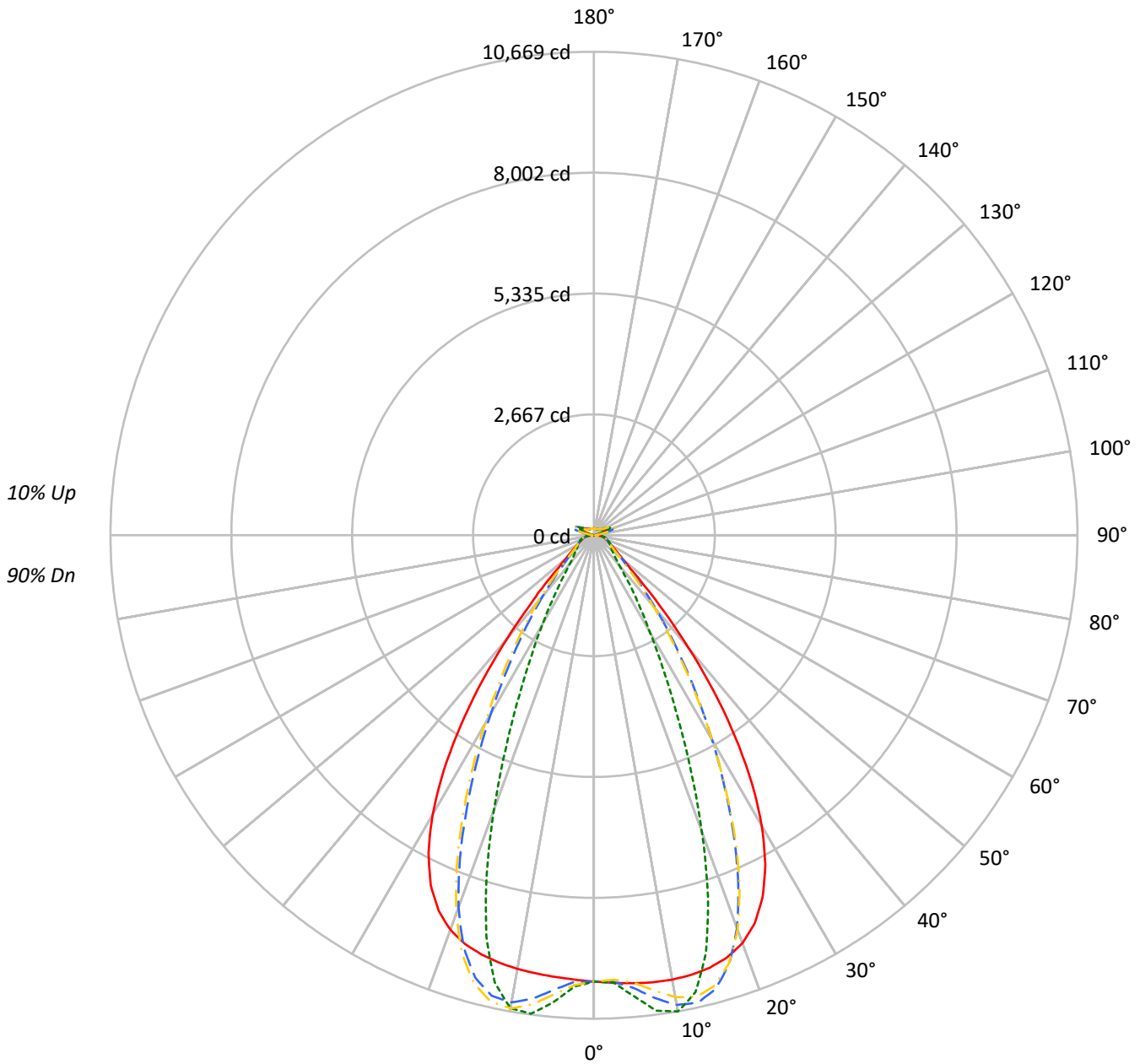
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12525.4 lumens
Efficiency: N/A
Efficacy: 173.7 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: Direct

Input Watts (W): 72.1
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: P1444858
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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	93	93	93	90
1	110	106	103	100	106	103	100	98	97	95	93	92	90	88	87	86	84	84	84	84	82
2	103	97	92	88	100	94	90	86	89	86	83	85	82	79	81	78	76	76	76	76	74
3	96	89	83	78	93	87	81	77	83	78	74	79	75	72	75	72	70	70	70	70	68
4	91	82	75	70	88	80	74	69	76	71	68	73	69	66	70	67	64	64	64	64	62
5	85	76	69	64	83	74	68	63	71	66	62	68	64	60	66	62	59	59	59	59	57
6	80	70	63	59	78	69	63	58	66	61	57	64	59	56	62	58	55	55	55	55	53
7	76	65	59	54	74	64	58	53	62	57	52	60	55	52	58	54	51	51	51	51	49
8	72	61	54	50	70	60	54	50	58	53	49	56	52	48	55	50	47	47	47	47	46
9	68	57	51	46	66	56	50	46	55	49	45	53	48	45	52	47	44	44	44	44	43
10	65	54	48	43	63	53	47	43	52	46	42	50	45	42	49	44	41	41	41	41	40

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	46249	46249	46249	46249
5°	46473	47828	45822	48455
10°	46861	50216	45737	49884
15°	47091	45521	45657	43687
20°	46604	33911	45079	31376
25°	44113	21447	42655	19459
30°	38536	12888	37043	11779
35°	29657	8087	27951	7164
40°	18761	5073	17165	4767
45°	9670	3952	9510	3887
50°	5669	3515	5495	3461
55°	4343	3325	4183	3296
60°	3675	3397	3519	3353
65°	3452	3548	3320	3427
70°	3372	3714	3204	3575
75°	3606	3939	3411	3766
80°	3731	4363	3382	3982
85°	3515	4210	2840	3605

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 14798 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	970.6	7.7
10°-20°	2730.4	21.8
20°-30°	3109.7	24.8
30°-40°	2235.1	17.8
40°-50°	1030.8	8.2
50°-60°	493.3	3.9
60°-70°	359.9	2.9
70°-80°	273.4	2.2
80°-90°	126.4	1.0
90°-100°	33.6	0.3
100°-110°	198.7	1.6
110°-120°	367.2	2.9
120°-130°	223.2	1.8
130°-140°	141.6	1.1
140°-150°	103.5	0.8
150°-160°	71.2	0.6
160°-170°	42.4	0.3
170°-180°	14.4	0.1
0°-30°	6810.6	54.4
0°-40°	9045.7	72.2
0°-60°	10569.8	84.4
0°-90°	11329.5	90.5
90°-120°	599.5	4.8
90°-150°	1067.8	8.5
90°-180°	1196.0	9.5
0°-180°	12525.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	9848	9848	9848	9848	9848	
5°	9923	10212	9784	10346	9923	948
15°	9880	9550	9579	9165	9880	2784
25°	8809	4283	8518	3886	8809	3993
35°	5443	1484	5130	1315	5443	3341
45°	1564	639	1539	629	1564	1331
55°	587	449	565	445	587	542
65°	360	370	346	358	360	360
75°	254	278	240	265	254	264
85°	121	145	98	124	121	114
90°	35	44	12	14	35	22
95°	15	17	15	17	15	15
105°	71	92	47	92	71	94
115°	320	389	335	389	320	295
125°	238	252	270	252	238	217
135°	185	166	199	167	185	144
145°	162	159	172	160	162	102
155°	150	151	160	152	150	70
165°	147	148	153	149	147	42
175°	150	152	153	152	150	14
180°	152	152	152	152	152	



TEST NUMBER: P1444858
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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4
2.5°	9886.1	9885.3	9885.1	9884.5	9884.3	9884.3	9883.9	9883.1	9882.6	9881.5	9880.2
5°	9922.8	9922.3	9922.6	9922.7	9921.9	9920.4	9918.0	9915.0	9911.3	9907.8	9904.7
7.5°	9951.1	9951.8	9952.7	9952.5	9950.3	9946.7	9941.8	9939.0	9940.7	9946.1	9958.3
10°	9956.3	9960.6	9962.1	9961.7	9957.4	9954.2	9955.5	9965.9	9986.7	10014.4	10052.3
12.5°	9936.1	9941.3	9941.1	9939.4	9935.2	9939.5	9954.6	9985.7	10030.2	10084.8	10148.9
15°	9879.5	9886.1	9884.3	9882.1	9879.3	9893.1	9923.3	9977.3	10046.0	10123.1	10201.9
17.5°	9769.4	9777.5	9773.5	9771.0	9768.7	9794.7	9846.7	9925.6	10012.2	10099.4	10174.2
20°	9578.5	9583.9	9574.5	9570.2	9573.9	9624.9	9701.3	9802.2	9893.5	9975.9	10027.0
22.5°	9267.0	9273.8	9256.1	9254.1	9275.8	9354.2	9450.9	9563.6	9649.4	9714.8	9734.4
25°	8809.3	8815.9	8795.0	8807.4	8844.5	8951.4	9066.5	9187.1	9260.3	9308.7	9295.3
27.5°	8191.4	8197.6	8177.7	8203.2	8261.8	8402.1	8537.6	8668.4	8733.7	8767.6	8724.7
30°	7412.3	7424.9	7401.4	7437.1	7526.4	7708.7	7863.9	8010.6	8075.7	8101.5	8034.6
32.5°	6486.9	6504.8	6479.0	6532.0	6656.6	6875.5	7051.9	7215.9	7287.8	7317.2	7241.7
35°	5443.2	5468.9	5439.2	5518.8	5672.5	5916.3	6111.6	6294.7	6379.9	6421.6	6345.5
37.5°	4337.4	4361.9	4345.8	4452.0	4620.9	4873.5	5072.9	5270.3	5366.6	5429.2	5369.2
40°	3251.7	3274.2	3286.3	3407.8	3566.6	3804.7	3996.1	4191.5	4299.2	4377.8	4340.8
42.5°	2295.1	2317.7	2359.0	2476.3	2608.6	2805.7	2969.7	3145.1	3248.0	3331.9	3317.6
45°	1564.5	1590.7	1642.5	1738.5	1834.3	1975.7	2096.1	2232.6	2316.6	2393.4	2394.3
47.5°	1096.4	1114.8	1161.0	1226.5	1289.0	1466.0	1473.3	1540.4	1596.8	1654.3	1661.7
50°	844.9	856.0	880.5	917.1	952.4	998.4	1040.5	1089.1	1123.9	1155.4	1162.9
52.5°	694.5	701.5	714.0	733.8	754.3	779.3	801.8	828.5	847.4	864.3	867.8
55°	586.9	592.8	611.4	615.2	638.6	643.1	653.2	669.3	680.4	690.4	693.0
57.5°	505.8	510.1	514.0	522.4	529.7	540.2	548.6	560.3	567.2	574.5	575.1
60°	441.8	444.9	447.6	453.5	458.4	465.8	471.6	479.5	484.4	489.9	490.6
62.5°	394.1	396.4	398.2	402.1	405.6	411.2	415.9	422.5	427.1	431.3	432.2
65°	360.3	361.9	363.1	366.0	369.0	373.9	378.1	383.4	386.9	390.1	390.8
67.5°	330.3	331.8	333.1	335.7	337.8	341.4	344.2	348.3	350.8	353.4	353.5
70°	295.9	297.3	298.2	300.8	302.4	305.5	307.8	311.4	314.0	316.9	317.7
72.5°	272.1	273.0	274.2	276.5	278.8	282.2	285.1	289.0	292.1	295.2	296.4
75°	254.0	254.9	255.8	257.7	259.4	262.2	264.4	267.9	270.7	273.9	275.5
77.5°	227.9	229.0	229.8	231.6	233.1	235.7	237.4	240.5	242.8	245.8	247.1
80°	196.3	197.3	197.9	199.7	200.8	203.3	204.9	207.9	209.8	212.7	214.4
82.5°	161.3	162.3	162.6	164.4	164.9	167.0	168.2	171.2	173.6	177.4	180.0
85°	120.8	121.2	121.7	121.2	123.8	123.9	126.6	127.2	130.8	131.7	135.9
87.5°	73.9	75.0	75.4	77.1	77.9	79.5	80.1	81.9	82.9	84.9	85.9
90°	35.4	37.4	38.3	40.5	41.3	43.4	44.1	46.4	47.2	49.5	50.9
92.5°	13.6	14.5	15.2	16.3	17.2	18.3	19.3	20.3	21.2	22.3	24.2
95°	15.4	16.4	17.5	18.5	19.5	20.6	21.6	22.7	23.7	24.7	27.8
97.5°	19.3	20.3	21.1	22.0	22.9	23.8	24.7	25.6	26.5	27.4	31.0
100°	25.2	25.9	26.7	27.5	28.2	29.0	29.7	30.6	31.3	32.1	38.7
102.5°	41.8	44.5	47.2	49.9	52.6	55.4	58.1	60.8	63.5	66.2	80.4
105°	71.1	78.3	85.8	93.0	100.3	107.8	115.1	122.4	129.7	137.0	160.2
107.5°	121.5	135.0	148.7	162.2	175.8	189.4	203.0	216.6	230.1	243.7	267.2
110°	224.8	235.6	246.6	257.5	268.4	279.3	290.3	301.0	312.0	323.0	340.1



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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°	303.1	308.0	312.9	317.8	322.9	327.7	332.6	337.5	342.5	347.4	359.7
115°	319.8	321.5	323.2	324.9	326.7	328.4	330.1	331.8	333.6	335.1	343.4
117.5°	310.4	310.0	309.9	309.5	309.1	308.8	308.6	308.1	307.8	307.4	312.2
120°	289.4	287.9	286.4	284.9	283.4	281.8	280.3	278.7	277.2	275.5	277.5
122.5°	262.8	261.1	259.3	257.5	255.6	253.8	252.0	250.0	248.2	246.3	247.1
125°	238.4	236.6	234.8	232.9	231.0	229.2	227.4	225.4	223.5	221.5	222.0
127.5°	217.1	215.8	214.6	213.2	211.9	210.5	209.1	207.7	206.4	205.0	205.1
130°	203.4	202.3	201.1	199.9	198.6	197.4	196.1	194.9	193.6	192.3	192.5
132.5°	192.1	191.4	190.6	189.7	188.8	187.8	186.9	185.9	185.0	184.1	184.2
135°	184.7	184.0	183.2	182.4	181.5	180.7	179.8	178.9	178.0	177.0	177.4
137.5°	178.4	177.7	177.1	176.3	175.5	174.7	173.9	173.0	172.2	171.3	171.6
140°	172.6	172.1	171.3	170.7	169.9	169.3	168.4	167.7	166.9	166.1	166.5
142.5°	166.1	165.7	165.2	164.5	164.1	163.4	162.8	162.1	161.5	160.8	161.4
145°	161.9	161.5	161.1	160.6	160.1	159.5	159.1	158.4	157.9	157.4	157.9
147.5°	158.2	157.9	157.6	157.1	156.8	156.3	155.9	155.3	155.0	154.4	155.0
150°	155.0	154.6	154.4	154.0	153.6	153.1	152.7	152.3	151.9	151.4	152.0
152.5°	151.5	151.2	151.0	150.5	150.2	149.8	149.5	148.9	148.6	148.1	148.6
155°	149.5	149.2	148.8	148.6	148.2	147.8	147.4	147.1	146.6	146.2	146.7
157.5°	148.2	147.9	147.7	147.5	147.2	146.8	146.5	146.2	146.0	145.7	145.9
160°	147.7	147.5	147.2	147.0	146.6	146.3	146.1	145.8	145.5	145.2	145.5
162.5°	147.3	147.0	146.7	146.5	146.2	145.9	145.6	145.4	145.1	144.8	145.0
165°	147.4	147.2	147.0	146.8	146.6	146.4	146.2	146.1	145.9	145.7	145.9
167.5°	148.7	148.4	148.3	148.0	147.7	147.6	147.4	147.1	147.0	146.6	146.9
170°	149.2	149.0	148.9	148.8	148.7	148.6	148.5	148.3	148.1	148.0	148.2
172.5°	150.1	149.9	149.8	149.8	149.6	149.5	149.4	149.3	149.2	149.1	149.3
175°	150.1	149.9	149.9	149.8	149.7	149.7	149.6	149.5	149.5	149.4	149.5
177.5°	151.1	151.0	151.0	151.0	151.0	151.0	150.9	150.8	150.8	150.8	150.9
180°	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9



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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°	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4
2.5°	9879.3	9878.1	9876.4	9874.3	9872.6	9870.4	9865.5	9864.0	9865.7	9866.8	9869.0
5°	9902.7	9903.4	9903.7	9908.2	9912.1	9921.7	9997.5	10027.6	10050.9	10065.6	10088.1
7.5°	9973.5	9996.2	10018.8	10049.1	10075.2	10110.5	10243.1	10299.5	10339.6	10368.4	10403.9
10°	10093.4	10143.1	10189.8	10244.3	10291.3	10345.0	10468.4	10523.4	10558.2	10583.4	10607.0
12.5°	10214.2	10283.2	10345.5	10406.3	10457.1	10503.7	10547.1	10566.3	10567.9	10568.8	10556.2
15°	10277.2	10343.1	10398.0	10438.1	10468.0	10481.2	10406.5	10367.3	10317.8	10277.0	10209.8
17.5°	10237.4	10277.0	10300.7	10298.4	10286.0	10244.7	10033.1	9916.7	9801.1	9697.0	9560.5
20°	10060.9	10057.8	10037.2	9978.8	9908.4	9798.9	9436.1	9226.8	9024.4	8846.7	8631.0
22.5°	9732.5	9680.8	9608.7	9482.7	9342.7	9151.5	8631.6	8323.6	8041.9	7792.9	7514.1
25°	9256.6	9150.2	9017.3	8817.3	8599.8	8320.8	7680.0	7297.0	6958.7	6665.3	6343.6
27.5°	8647.4	8487.3	8292.5	8015.7	7721.0	7363.6	6653.1	6230.5	5867.3	5552.8	5210.4
30°	7926.4	7718.1	7466.6	7123.0	6767.5	6362.1	5641.6	5213.4	4845.9	4522.3	4179.6
32.5°	7111.5	6867.5	6572.8	6187.2	5802.8	5386.0	4690.1	4275.7	3924.6	3613.2	3303.1
35°	6212.7	5951.1	5639.3	5246.0	4863.8	4458.6	3820.1	3446.5	3136.4	2861.2	2610.8
37.5°	5248.7	4991.8	4695.4	4324.7	3970.4	3603.1	3052.1	2739.0	2478.9	2250.5	2057.2
40°	4246.2	4021.5	3765.0	3444.5	3142.2	2836.3	2384.0	2135.5	1930.1	1756.0	1611.1
42.5°	3256.1	3081.9	2885.3	2632.0	2400.6	2167.7	1819.7	1635.5	1483.4	1358.0	1255.6
45°	2362.5	2245.9	2114.0	1937.9	1777.9	1615.4	1367.7	1238.2	1139.2	1058.4	990.0
47.5°	1651.5	1583.9	1579.8	1417.0	1299.6	1200.3	1040.7	958.9	898.3	849.3	806.0
50°	1159.8	1127.1	1086.4	1028.3	973.9	917.8	820.5	771.1	735.6	705.8	678.5
52.5°	867.0	850.0	828.4	797.6	768.1	736.5	674.9	643.5	632.4	604.7	583.0
55°	692.5	682.8	670.4	652.3	634.4	627.2	574.5	551.2	536.3	525.4	513.8
57.5°	575.2	568.0	560.6	548.4	538.0	525.4	497.4	485.5	476.6	470.2	462.1
60°	490.7	486.3	482.2	475.1	469.4	462.6	444.9	438.1	433.5	429.6	424.5
62.5°	433.1	430.8	428.7	424.9	422.0	418.4	406.2	403.0	400.6	398.7	395.6
65°	391.5	389.9	388.7	386.1	384.7	382.6	372.1	370.0	368.6	367.8	366.0
67.5°	353.7	352.0	351.3	349.4	348.9	347.5	338.9	337.7	337.3	337.5	336.9
70°	318.4	317.7	318.0	317.8	318.6	318.8	313.7	313.6	314.1	315.2	315.3
72.5°	297.2	297.2	297.6	297.8	298.5	298.9	294.6	294.4	294.6	295.5	295.5
75°	277.1	277.4	278.5	278.8	279.8	279.9	274.3	273.6	273.6	274.4	274.2
77.5°	249.2	250.4	252.4	253.6	255.3	255.6	249.3	248.4	248.5	249.3	248.6
80°	217.5	219.8	223.2	225.5	228.2	229.2	222.7	221.1	219.6	219.5	218.2
82.5°	184.0	186.8	190.7	192.8	195.7	196.3	185.4	183.2	182.0	182.1	180.9
85°	140.4	142.5	146.1	147.4	149.1	148.9	136.4	131.0	132.5	130.3	132.0
87.5°	88.1	89.3	91.6	91.9	92.7	92.5	79.9	77.4	76.7	76.7	75.8
90°	53.6	55.2	57.8	58.5	60.5	61.0	51.5	50.9	49.4	49.3	47.6
92.5°	26.1	27.9	29.8	31.7	33.6	35.5	36.2	37.7	35.9	33.8	32.1
95°	30.8	33.9	37.0	40.0	43.0	46.1	49.2	52.2	49.3	46.5	43.6
97.5°	34.7	38.3	41.9	45.4	49.1	52.7	56.3	59.9	56.9	53.7	50.6
100°	45.5	52.2	58.9	65.6	72.4	79.1	85.9	92.5	86.7	80.6	74.8
102.5°	94.7	108.9	123.2	137.4	151.7	165.9	180.2	194.6	181.0	167.4	153.9
105°	183.3	206.4	229.6	252.6	275.7	298.9	322.1	345.2	323.5	301.8	280.2
107.5°	290.6	314.0	337.5	360.8	384.3	407.7	431.3	454.8	433.6	412.4	391.4
110°	357.2	374.2	391.3	408.5	425.6	442.7	460.1	477.2	464.5	451.7	439.0



TEST NUMBER: P1444858
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL12

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	371.8	384.2	396.5	408.5	420.7	433.0	445.6	457.9	451.5	445.1	438.7
115°	351.8	360.0	368.2	376.5	384.7	392.9	401.6	409.9	407.9	405.8	403.8
117.5°	316.7	321.4	326.0	330.7	335.1	339.8	344.9	349.6	350.0	350.4	350.7
120°	279.5	281.4	283.4	285.4	287.3	289.2	291.7	293.8	295.6	297.2	299.0
122.5°	247.8	248.5	249.3	250.0	250.8	251.4	252.9	253.8	254.9	256.2	257.4
125°	222.3	222.6	223.1	223.5	223.7	224.1	225.3	225.8	226.0	225.9	226.1
127.5°	205.1	205.2	205.2	205.4	205.4	205.4	206.4	206.6	206.0	205.2	204.5
130°	192.7	192.9	193.1	193.3	193.4	193.6	194.7	195.1	193.9	192.5	191.3
132.5°	184.5	184.8	185.0	185.3	185.5	185.7	186.9	187.4	186.0	184.5	183.0
135°	177.6	177.9	178.2	178.6	178.9	179.2	180.6	181.2	179.8	178.3	176.9
137.5°	171.8	172.2	172.5	172.8	173.1	173.5	175.0	175.6	174.5	173.3	172.2
140°	166.9	167.2	167.6	168.1	168.4	168.9	170.6	171.2	170.4	169.5	168.5
142.5°	161.9	162.4	163.0	163.6	164.2	164.7	166.7	167.5	166.9	166.2	165.6
145°	158.5	159.2	159.8	160.6	161.2	161.9	164.0	165.0	164.6	164.2	163.7
147.5°	155.5	156.1	156.6	157.3	157.9	158.7	160.8	161.9	161.6	161.3	161.1
150°	152.5	153.1	153.7	154.3	155.1	155.7	158.2	159.3	159.1	158.9	158.7
152.5°	149.1	149.7	150.2	150.8	151.4	152.1	155.0	156.1	155.8	155.5	155.4
155°	147.0	147.5	147.9	148.3	148.8	149.3	152.3	153.4	153.3	153.2	153.0
157.5°	146.2	146.5	146.7	147.2	147.5	147.8	151.0	152.0	151.9	151.7	151.6
160°	145.6	145.9	146.1	146.3	146.5	146.9	150.1	151.1	151.0	150.8	150.7
162.5°	145.3	145.8	146.0	146.2	146.6	147.0	150.2	151.3	151.1	150.9	150.8
165°	146.1	146.1	146.3	146.6	146.8	147.0	150.0	150.9	150.8	150.7	150.6
167.5°	147.0	147.3	147.5	147.5	147.8	148.1	150.8	151.7	151.6	151.5	151.4
170°	148.3	148.5	148.7	148.8	149.0	149.3	151.6	152.3	152.2	152.0	151.9
172.5°	149.5	149.8	150.0	150.1	150.3	150.6	152.6	153.3	153.1	153.0	152.8
175°	149.7	149.9	150.1	150.2	150.3	150.6	152.2	152.7	152.6	152.6	152.5
177.5°	151.1	151.1	151.3	151.4	151.5	151.6	152.7	152.9	152.9	152.9	152.8
180°	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9



TEST NUMBER: P1444858
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL12

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4
2.5°	9869.6	9873.0	9873.6	9877.6	9877.3	9882.1	9881.3	9885.3	9883.0	9886.2	9883.4
5°	10101.4	10122.4	10133.4	10153.9	10160.4	10178.7	10183.9	10200.7	10201.4	10214.7	10211.6
7.5°	10429.1	10460.2	10478.5	10503.9	10516.7	10537.8	10547.1	10562.8	10567.8	10580.2	10581.2
10°	10624.8	10639.8	10650.3	10657.5	10663.9	10667.0	10670.5	10669.6	10670.5	10669.1	10672.2
12.5°	10547.9	10525.8	10511.3	10483.8	10467.9	10437.5	10422.5	10393.3	10382.7	10357.6	10354.0
15°	10158.0	10081.4	10027.4	9948.7	9899.2	9821.8	9776.5	9706.6	9674.8	9619.2	9604.6
17.5°	9447.4	9305.3	9195.3	9054.2	8956.3	8824.4	8741.5	8632.3	8572.5	8484.5	8454.0
20°	8451.2	8241.0	8076.0	7879.4	7738.7	7563.5	7451.2	7309.7	7227.6	7119.4	7075.6
22.5°	7281.7	7019.8	6813.7	6581.6	6411.8	6216.5	6082.1	5929.0	5839.6	5722.1	5670.1
25°	6076.2	5787.5	5558.3	5313.7	5134.4	4938.6	4804.2	4653.7	4561.2	4449.7	4398.1
27.5°	4923.3	4631.0	4409.6	4182.1	4017.7	3841.0	3719.7	3588.3	3506.3	3411.1	3362.5
30°	3905.9	3648.1	3459.6	3270.9	3134.1	2990.6	2889.7	2780.9	2708.9	2627.4	2581.1
32.5°	3076.9	2877.9	2730.4	2580.6	2468.7	2348.7	2261.6	2165.6	2100.5	2027.8	1985.9
35°	2437.0	2282.3	2164.6	2041.3	1945.1	1843.0	1766.2	1683.3	1625.0	1562.3	1526.2
37.5°	1925.4	1802.5	1705.7	1603.2	1524.2	1439.6	1411.0	1316.0	1255.5	1205.5	1170.9
40°	1511.1	1413.3	1333.2	1254.9	1190.4	1126.3	1074.7	1023.9	984.9	949.1	924.4
42.5°	1180.1	1109.2	1050.6	993.3	946.3	899.6	862.2	827.2	801.0	777.6	761.6
45°	938.0	889.3	848.7	808.2	775.1	743.9	718.8	696.5	679.5	665.4	655.5
47.5°	770.6	737.3	708.6	681.3	658.8	638.4	621.6	616.1	597.8	585.5	580.9
50°	654.9	634.8	613.0	592.9	577.8	562.9	552.0	541.3	534.4	528.8	527.1
52.5°	568.6	553.2	541.0	528.3	518.4	507.8	500.2	493.1	489.4	486.4	486.0
55°	504.4	493.6	485.6	477.0	471.1	464.8	460.9	457.2	455.5	454.1	454.2
57.5°	455.8	448.6	443.4	437.9	434.6	431.7	430.6	429.7	430.2	430.5	431.3
60°	420.4	415.7	412.4	409.3	407.9	407.0	407.7	408.5	410.3	411.6	412.9
62.5°	393.3	390.6	389.0	387.3	387.2	387.3	388.6	390.1	392.3	393.9	395.1
65°	365.3	363.8	363.3	362.3	362.7	363.1	364.9	366.0	368.1	369.4	370.9
67.5°	337.2	336.8	337.1	337.1	338.1	338.9	340.6	341.8	343.7	344.9	346.1
70°	316.3	316.5	317.2	317.4	318.4	319.0	320.5	321.3	322.9	323.9	325.4
72.5°	296.0	295.7	295.9	295.5	295.8	295.6	296.5	296.9	298.2	299.0	300.8
75°	274.5	273.5	273.3	272.3	272.4	271.7	272.0	272.0	272.9	273.3	274.6
77.5°	248.4	246.9	246.1	244.5	244.4	243.9	244.5	244.9	246.5	247.3	248.8
80°	217.2	214.8	213.7	211.8	212.2	212.0	213.7	214.9	216.9	217.2	219.1
82.5°	180.5	178.1	176.9	175.0	175.5	175.6	177.0	177.3	178.9	179.7	181.9
85°	129.2	130.3	127.7	127.8	127.3	128.3	129.2	130.5	131.9	134.3	136.1
87.5°	76.1	75.8	76.7	76.8	78.1	78.9	80.9	82.1	84.5	86.4	89.8
90°	46.9	45.2	45.2	44.2	44.9	43.9	44.7	43.6	44.5	44.1	45.5
92.5°	29.9	28.1	26.0	24.2	22.1	20.3	19.2	18.5	17.5	16.7	15.7
95°	40.8	37.9	35.1	32.2	29.5	26.6	25.6	24.5	23.4	22.4	21.4
97.5°	47.6	44.6	41.5	38.4	35.3	32.2	31.6	30.8	30.2	29.5	28.8
100°	68.8	63.0	57.0	51.1	45.2	39.3	38.7	38.2	37.6	37.1	36.5
102.5°	140.4	126.7	113.3	99.7	86.2	72.6	70.2	67.8	65.5	63.2	60.8
105°	258.5	236.8	215.2	193.5	171.9	150.2	143.8	137.2	130.8	124.3	117.9
107.5°	370.3	349.1	328.0	306.9	285.8	264.6	254.4	244.3	234.0	223.7	213.6
110°	426.3	413.6	401.0	388.2	375.5	362.9	353.2	343.4	333.6	323.9	314.2



TEST NUMBER: P1444858
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL12

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	432.3	426.0	419.7	413.3	407.0	400.6	395.8	391.1	386.4	381.6	376.8
115°	401.7	399.7	397.7	395.6	393.7	391.6	391.3	391.0	390.6	390.3	390.0
117.5°	351.0	351.3	351.7	352.1	352.5	352.9	355.4	358.0	360.5	363.1	365.7
120°	300.7	302.2	304.0	305.8	307.4	309.2	312.6	316.0	319.4	322.9	326.5
122.5°	258.6	259.7	260.9	262.2	263.3	264.5	267.9	271.3	274.6	278.0	281.6
125°	226.1	226.1	226.1	226.1	226.1	226.2	229.0	231.7	234.5	237.4	240.3
127.5°	203.8	203.0	202.2	201.5	200.7	200.0	201.6	203.3	204.9	206.5	208.3
130°	189.9	188.7	187.2	186.0	184.6	183.4	184.1	184.6	185.3	186.0	186.6
132.5°	181.5	180.0	178.4	176.8	175.3	173.8	173.7	173.7	173.7	173.7	173.8
135°	175.4	174.0	172.5	171.0	169.6	168.2	167.7	167.4	167.1	166.7	166.4
137.5°	171.0	169.9	168.7	167.6	166.4	165.3	164.7	164.2	163.6	163.2	162.7
140°	167.6	166.8	165.8	164.8	163.9	163.1	162.5	162.1	161.6	161.3	160.8
142.5°	164.8	164.1	163.4	162.7	162.0	161.3	160.9	160.5	160.1	159.7	159.3
145°	163.3	162.8	162.3	161.9	161.4	161.0	160.6	160.4	160.0	159.7	159.5
147.5°	160.8	160.5	160.2	160.0	159.6	159.3	159.1	158.9	158.6	158.5	158.2
150°	158.3	158.0	157.8	157.6	157.3	157.0	156.8	156.7	156.6	156.6	156.4
152.5°	155.2	154.9	154.6	154.5	154.1	153.9	153.8	153.8	153.6	153.5	153.4
155°	152.8	152.7	152.6	152.4	152.2	152.0	151.9	151.7	151.5	151.4	151.2
157.5°	151.5	151.4	151.2	151.1	150.9	150.7	150.5	150.4	150.2	150.1	150.0
160°	150.5	150.4	150.2	150.1	150.0	149.9	149.6	149.3	149.2	148.9	148.7
162.5°	150.5	150.2	150.1	150.0	149.7	149.5	149.3	149.1	148.9	148.8	148.7
165°	150.4	150.3	150.1	150.0	149.9	149.8	149.5	149.2	149.1	148.8	148.6
167.5°	151.3	151.2	151.0	150.9	150.7	150.6	150.4	150.2	150.0	149.8	149.6
170°	151.7	151.4	151.4	151.2	151.0	150.7	150.5	150.3	150.1	150.0	149.7
172.5°	152.7	152.6	152.4	152.3	152.1	151.9	151.7	151.5	151.4	151.3	151.1
175°	152.4	152.4	152.4	152.2	152.2	152.1	152.0	152.0	151.9	151.9	151.8
177.5°	152.8	152.8	152.8	152.7	152.7	152.7	152.6	152.5	152.5	152.3	152.2
180°	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9



TEST NUMBER: P1444858
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL12

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4
2.5°	9886.3	9883.8	9885.0	9880.4	9881.5	9875.9	9875.4	9869.0	9868.5	9862.5	9860.3
5°	10221.1	10215.5	10221.7	10212.1	10214.0	10201.4	10200.4	10184.0	10178.4	10158.1	10149.3
7.5°	10588.9	10586.9	10590.7	10582.6	10582.3	10571.1	10566.4	10551.9	10542.7	10521.4	10507.7
10°	10669.6	10671.4	10668.4	10669.1	10664.7	10663.5	10659.1	10656.2	10648.9	10643.3	10635.1
12.5°	10334.9	10336.9	10324.1	10332.2	10325.8	10340.8	10339.6	10357.1	10359.8	10382.1	10390.6
15°	9561.4	9559.0	9534.5	9550.0	9541.6	9574.4	9581.8	9625.9	9649.4	9706.1	9740.8
17.5°	8393.0	8386.6	8352.2	8370.9	8361.4	8409.8	8425.9	8496.5	8540.4	8631.7	8696.7
20°	7000.1	6988.1	6947.7	6969.7	6959.9	7014.8	7037.9	7123.1	7179.8	7300.7	7386.6
22.5°	5590.0	5571.0	5531.4	5552.0	5542.6	5599.5	5629.7	5715.2	5780.1	5904.1	6004.5
25°	4323.7	4306.7	4268.5	4282.9	4279.5	4327.5	4354.4	4435.2	4499.0	4617.2	4713.0
27.5°	3297.8	3280.1	3245.6	3255.8	3252.3	3293.2	3318.5	3386.1	3441.1	3540.5	3624.6
30°	2524.0	2502.7	2473.4	2479.0	2476.6	2509.8	2533.4	2590.3	2637.4	2721.5	2793.9
32.5°	1934.7	1913.2	1886.3	1888.9	1885.4	1911.5	1930.9	1980.3	2021.4	2092.8	2155.9
35°	1480.3	1505.4	1447.9	1484.3	1446.4	1502.0	1482.0	1513.0	1548.3	1608.5	1661.1
37.5°	1138.0	1120.5	1105.7	1104.2	1104.1	1117.0	1132.2	1161.9	1193.1	1238.0	1284.3
40°	901.8	889.5	880.0	879.3	880.0	889.2	900.4	920.9	943.7	975.9	1010.0
42.5°	747.9	739.9	734.0	733.6	735.5	742.0	749.8	762.0	776.8	797.7	821.1
45°	647.3	642.9	639.6	639.4	640.3	643.7	648.1	655.8	665.2	678.2	693.0
47.5°	576.8	575.7	573.6	573.7	572.8	574.2	574.7	579.0	583.9	593.8	613.1
50°	525.4	525.4	524.0	523.9	522.6	522.5	521.4	523.1	525.4	531.5	537.7
52.5°	484.7	484.6	483.1	482.9	481.5	481.4	480.4	481.1	481.4	484.4	488.2
55°	453.0	452.0	450.1	449.4	448.9	449.7	449.3	449.4	448.9	450.2	451.4
57.5°	430.2	429.0	427.1	426.6	426.5	427.4	427.4	427.1	425.3	424.2	422.6
60°	412.2	410.9	408.9	408.4	408.7	410.0	409.9	408.9	406.3	404.1	401.5
62.5°	394.5	393.9	392.9	392.8	392.6	392.7	391.9	390.7	388.2	385.8	383.0
65°	370.7	371.0	370.3	370.3	369.4	369.2	367.8	366.7	364.2	362.1	359.2
67.5°	346.1	346.3	345.6	345.6	345.2	345.3	344.3	343.3	341.2	339.4	337.2
70°	325.7	326.2	325.8	325.9	325.4	325.2	323.9	322.9	320.6	319.2	317.1
72.5°	301.4	302.4	302.4	302.7	301.8	301.4	299.8	298.5	296.5	295.4	293.8
75°	275.1	276.5	276.9	277.5	276.3	275.7	273.9	272.9	271.3	270.6	269.5
77.5°	249.5	251.0	252.5	253.9	251.9	250.1	248.0	246.3	244.0	243.1	241.4
80°	220.7	223.5	226.7	229.5	225.9	222.2	218.7	216.1	213.0	211.7	209.6
82.5°	183.0	185.9	187.8	189.5	187.0	184.4	181.0	178.7	175.3	174.0	171.7
85°	139.1	142.6	143.7	144.7	143.1	141.7	138.4	134.1	132.0	128.7	126.9
87.5°	91.4	93.6	94.0	94.3	93.3	92.6	90.6	88.5	84.9	82.2	79.1
90°	44.8	45.6	44.1	44.1	43.5	44.2	42.6	42.6	40.1	39.7	37.4
92.5°	14.9	13.8	13.0	12.1	13.2	13.8	15.0	15.7	16.6	17.5	18.5
95°	20.3	19.2	18.2	17.2	18.0	18.9	19.7	20.5	21.3	22.1	22.9
97.5°	28.1	27.4	26.7	26.0	26.5	26.9	27.5	28.0	28.4	28.9	29.5
100°	36.0	35.4	34.8	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
102.5°	58.4	56.1	53.7	51.4	53.0	54.5	56.1	57.7	59.4	60.9	62.6
105°	111.4	105.0	98.5	92.1	98.3	104.5	110.8	117.1	123.3	129.6	135.9
107.5°	203.4	193.2	183.0	172.8	184.2	195.6	206.9	218.2	229.7	241.0	252.4
110°	304.5	294.8	285.1	275.4	287.5	299.5	311.6	323.7	335.7	347.8	359.9



TEST NUMBER: P1444858
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL12

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	372.0	367.4	362.6	357.9	365.7	373.4	381.2	389.1	396.8	404.7	412.5
115°	389.8	389.5	389.2	388.9	392.6	396.3	400.0	403.6	407.4	411.0	414.8
117.5°	368.3	370.9	373.6	376.2	377.4	378.5	379.7	380.9	382.1	383.4	384.7
120°	329.9	333.4	336.9	340.4	340.0	339.5	338.9	338.5	338.2	337.7	337.4
122.5°	285.1	288.5	292.0	295.6	294.5	293.5	292.4	291.4	290.5	289.5	288.6
125°	243.2	246.1	249.0	252.0	251.0	249.9	248.8	247.9	247.0	246.0	245.1
127.5°	210.1	211.9	213.7	215.5	215.0	214.5	214.1	213.7	213.3	213.0	212.6
130°	187.4	188.2	189.0	189.8	190.0	190.1	190.4	190.6	190.9	191.1	191.5
132.5°	174.0	174.1	174.3	174.5	175.0	175.6	176.3	176.9	177.6	178.3	179.1
135°	166.2	165.9	165.8	165.7	166.5	167.3	168.2	169.1	170.0	171.0	172.2
137.5°	162.3	161.9	161.6	161.3	162.1	163.0	163.9	164.7	165.8	166.8	167.9
140°	160.6	160.2	160.1	159.7	160.6	161.4	162.2	163.2	164.2	165.2	166.2
142.5°	159.0	158.7	158.4	158.2	159.0	159.7	160.6	161.4	162.3	163.2	164.2
145°	159.3	159.0	158.9	158.7	159.2	159.7	160.4	161.0	161.6	162.2	163.0
147.5°	158.1	157.9	157.9	157.8	158.1	158.6	159.0	159.4	159.9	160.5	161.0
150°	156.5	156.3	156.2	156.3	156.5	156.7	157.0	157.3	157.7	157.9	158.4
152.5°	153.4	153.2	153.3	153.3	153.5	153.8	154.0	154.2	154.6	154.9	155.3
155°	151.2	151.0	150.9	150.8	150.9	151.0	151.2	151.2	151.4	151.4	151.6
157.5°	149.9	149.7	149.7	149.5	149.5	149.4	149.5	149.5	149.5	149.5	149.6
160°	148.6	148.4	148.1	147.9	147.9	148.0	148.1	148.1	148.2	148.3	148.3
162.5°	148.6	148.4	148.3	148.1	148.1	147.9	147.8	147.7	147.6	147.5	147.5
165°	148.4	148.2	148.0	147.7	147.7	147.7	147.6	147.6	147.6	147.6	147.5
167.5°	149.4	149.1	149.0	148.8	148.7	148.4	148.4	148.1	148.0	147.8	147.8
170°	149.5	149.4	149.2	149.0	148.9	148.8	148.8	148.7	148.7	148.7	148.7
172.5°	150.9	150.8	150.6	150.4	150.3	150.3	150.2	150.2	150.1	150.1	150.1
175°	151.7	151.7	151.6	151.5	151.4	151.4	151.4	151.3	151.2	151.0	151.0
177.5°	152.1	152.0	151.9	151.8	151.8	151.8	151.8	151.8	151.8	151.7	151.7
180°	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9



TEST NUMBER: P1444858
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL12

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4
2.5°	9853.9	9851.3	9844.4	9841.1	9834.8	9831.6	9826.7	9823.5	9819.5	9816.6	9815.1
5°	10126.9	10114.3	10089.1	10073.5	10046.2	10028.3	10001.2	9981.4	9953.4	9932.8	9906.3
7.5°	10482.1	10462.8	10430.4	10405.9	10367.8	10338.6	10295.8	10261.5	10214.2	10175.0	10126.7
10°	10626.7	10615.4	10600.9	10585.1	10564.0	10543.3	10514.0	10484.3	10444.5	10405.1	10353.5
12.5°	10413.0	10423.6	10444.5	10454.3	10470.4	10475.8	10483.1	10479.7	10473.3	10457.1	10433.7
15°	9807.6	9852.0	9922.1	9970.5	10038.4	10086.2	10149.3	10189.9	10236.7	10264.7	10291.2
17.5°	8811.9	8897.7	9021.3	9120.0	9252.4	9360.1	9492.0	9595.7	9715.4	9807.2	9904.9
20°	7536.4	7656.5	7827.2	7972.3	8164.1	8326.9	8535.4	8710.1	8913.7	9083.6	9266.9
22.5°	6163.7	6305.0	6500.6	6675.5	6904.6	7109.3	7370.6	7601.5	7876.9	8123.7	8396.6
25°	4868.7	5007.2	5206.5	5387.5	5634.9	5860.4	6145.8	6410.7	6730.3	7028.4	7370.6
27.5°	3758.2	3881.2	4056.3	4219.3	4445.9	4667.3	4956.9	5239.4	5580.4	5900.8	6269.6
30°	2902.4	3002.2	3142.5	3273.6	3455.6	3636.6	3894.6	4155.8	4495.1	4827.1	5205.2
32.5°	2249.3	2334.3	2451.5	2557.9	2698.1	2834.6	3024.5	3233.3	3531.0	3848.9	4214.6
35°	1741.2	1813.9	1913.7	2005.4	2120.6	2228.9	2370.7	2519.8	2746.9	3014.4	3341.6
37.5°	1388.2	1417.8	1489.0	1564.1	1659.9	1748.9	1859.8	1970.0	2132.5	2343.5	2610.8
40°	1055.7	1102.8	1160.7	1219.9	1292.4	1363.8	1485.5	1544.0	1651.0	1802.6	2010.0
42.5°	851.8	884.9	925.7	966.8	1017.4	1067.1	1128.6	1191.3	1271.3	1373.9	1521.4
45°	712.8	734.4	760.7	788.1	821.2	855.2	896.4	939.4	993.7	1056.8	1146.3
47.5°	619.9	631.9	649.1	667.8	690.5	714.0	740.8	768.2	801.9	839.3	890.4
50°	547.4	557.4	570.8	583.3	599.0	623.1	633.7	648.8	669.1	691.1	719.6
52.5°	495.0	501.6	510.0	517.2	527.1	536.1	548.0	558.4	572.4	585.6	604.1
55°	454.2	456.6	461.3	466.0	472.8	479.0	487.0	493.9	502.8	510.7	522.3
57.5°	422.7	422.8	425.1	427.5	431.9	435.8	441.3	445.8	452.0	457.0	464.0
60°	400.0	398.8	399.2	400.1	402.5	405.0	408.6	411.5	415.4	418.3	422.2
62.5°	381.1	379.2	378.8	378.5	379.8	380.7	382.6	384.0	386.2	387.5	389.6
65°	357.2	355.0	354.2	353.2	353.5	353.2	353.9	354.0	355.1	355.4	356.6
67.5°	335.7	333.8	332.6	331.2	330.7	329.6	329.2	328.3	328.2	327.3	327.1
70°	315.9	314.1	313.2	311.9	311.3	310.0	309.1	307.5	306.5	305.0	304.2
72.5°	293.1	292.1	291.8	290.9	290.7	290.0	289.7	288.5	287.8	286.6	285.9
75°	269.3	268.4	268.4	267.5	267.4	266.6	266.4	265.2	264.5	263.2	262.7
77.5°	240.9	239.6	239.2	238.2	238.5	238.1	238.4	237.6	237.1	235.9	235.4
80°	209.0	207.3	206.6	205.3	205.7	205.1	205.7	205.6	206.1	205.1	204.9
82.5°	171.0	169.3	168.9	168.0	168.6	168.7	170.0	169.3	169.7	168.6	169.1
85°	124.5	123.1	121.3	121.1	119.9	121.1	119.6	120.6	118.8	120.0	118.5
87.5°	77.1	74.4	73.0	71.1	70.3	68.5	67.7	66.4	66.8	66.2	66.5
90°	37.4	35.7	36.1	35.1	35.9	35.0	36.0	35.8	37.1	36.7	38.1
92.5°	19.2	20.2	21.8	23.6	25.2	26.9	28.5	30.3	31.9	33.6	35.2
95°	23.8	24.6	26.9	29.1	31.3	33.5	35.8	38.0	40.2	42.5	44.7
97.5°	30.0	30.5	32.7	34.9	37.2	39.4	41.5	43.9	46.1	48.3	50.5
100°	34.3	34.4	40.7	47.0	53.3	59.6	65.9	72.2	78.6	84.9	91.2
102.5°	64.2	65.8	81.8	97.6	113.6	129.6	145.6	161.6	177.6	193.5	209.5
105°	142.2	148.4	172.7	197.2	221.5	245.8	270.1	294.5	318.9	343.3	367.7
107.5°	263.9	275.2	297.3	319.2	341.3	363.3	385.4	407.3	429.4	451.4	473.6
110°	372.0	384.1	398.9	413.5	428.3	443.1	457.9	472.6	487.4	502.2	517.1



TEST NUMBER: P1444858
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL12

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	420.2	428.1	436.7	445.3	453.9	462.5	471.2	479.8	488.4	497.1	505.8
115°	418.5	422.3	425.5	429.0	432.3	435.7	439.1	442.5	446.0	449.3	452.8
117.5°	385.9	387.2	387.6	388.3	388.7	389.4	389.9	390.6	391.2	391.9	392.4
120°	336.9	336.5	336.1	335.5	335.0	334.5	334.0	333.6	333.1	332.6	332.3
122.5°	287.7	286.8	286.3	285.8	285.3	284.9	284.5	284.0	283.7	283.2	282.8
125°	244.3	243.4	243.9	244.4	245.0	245.6	246.1	246.8	247.3	247.9	248.5
127.5°	212.3	212.1	213.3	214.7	216.1	217.4	218.8	220.2	221.6	223.0	224.3
130°	191.9	192.2	193.9	195.7	197.3	199.1	200.8	202.5	204.2	206.0	207.7
132.5°	179.9	180.8	182.3	184.0	185.6	187.3	189.1	190.7	192.3	194.1	195.7
135°	173.2	174.3	175.9	177.3	178.9	180.4	181.9	183.5	185.0	186.6	188.1
137.5°	168.9	170.0	171.3	172.4	173.7	175.0	176.2	177.5	178.7	179.9	181.1
140°	167.2	168.4	169.0	169.8	170.5	171.3	172.0	172.8	173.4	174.2	174.9
142.5°	165.1	166.1	166.5	167.1	167.5	168.1	168.5	169.0	169.5	169.9	170.4
145°	163.6	164.5	164.5	164.6	164.7	164.8	164.9	165.0	165.0	165.1	165.2
147.5°	161.6	162.1	162.0	162.1	162.0	161.9	161.9	161.9	161.8	161.8	161.8
150°	158.7	159.2	159.0	158.9	158.7	158.5	158.3	158.1	157.9	157.9	157.7
152.5°	155.5	155.9	155.6	155.4	155.3	155.1	154.8	154.6	154.4	154.1	154.0
155°	151.7	151.9	151.7	151.7	151.5	151.4	151.3	151.3	151.2	151.1	151.0
157.5°	149.5	149.6	149.5	149.5	149.3	149.3	149.3	149.2	149.2	149.3	149.3
160°	148.4	148.5	148.3	148.3	148.2	148.1	148.1	148.1	148.1	148.2	148.2
162.5°	147.5	147.4	147.3	147.3	147.2	147.1	147.2	147.2	147.1	147.2	147.2
165°	147.6	147.7	147.5	147.5	147.4	147.2	147.2	147.1	147.1	147.0	147.0
167.5°	147.6	147.5	147.5	147.6	147.6	147.6	147.7	147.8	147.9	148.0	148.1
170°	148.6	148.7	148.5	148.5	148.5	148.4	148.3	148.3	148.4	148.3	148.3
172.5°	150.1	150.1	150.1	149.9	149.8	149.6	149.5	149.4	149.3	149.1	149.0
175°	150.9	150.8	150.7	150.7	150.6	150.4	150.4	150.3	150.2	150.2	150.1
177.5°	151.7	151.6	151.5	151.5	151.5	151.5	151.5	151.4	151.4	151.4	151.4
180°	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9



TEST NUMBER: P1444858
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL12

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4
2.5°	9813.1	9812.9	9812.0	9812.5	9812.7	9813.3	9814.1	9815.1	9815.3	9815.9	9816.1
5°	9886.5	9862.3	9844.2	9824.5	9809.7	9796.3	9787.4	9780.3	9777.6	9778.3	9779.9
7.5°	10085.6	10035.5	9994.2	9947.2	9908.0	9866.4	9832.1	9799.4	9775.5	9757.7	9747.8
10°	10304.2	10243.1	10184.8	10116.7	10052.2	9983.3	9920.9	9858.1	9805.8	9760.2	9726.9
12.5°	10401.2	10358.0	10307.5	10243.3	10174.3	10094.8	10014.5	9928.5	9848.5	9774.3	9714.4
15°	10298.5	10298.6	10280.2	10249.3	10201.4	10137.9	10061.4	9971.7	9877.3	9781.1	9693.1
17.5°	9972.6	10034.1	10068.3	10089.9	10083.2	10059.9	10011.2	9942.4	9854.4	9751.7	9644.3
20°	9412.9	9557.9	9661.3	9754.3	9806.4	9841.1	9837.6	9809.5	9746.9	9659.6	9547.8
22.5°	8628.8	8872.2	9064.2	9243.5	9369.1	9471.3	9519.9	9540.4	9512.1	9451.3	9346.3
25°	7676.4	8007.4	8289.9	8564.0	8769.6	8946.4	9052.6	9127.4	9133.4	9101.6	9007.9
27.5°	6618.2	7008.9	7366.4	7730.8	8019.9	8274.0	8440.7	8562.7	8601.5	8596.3	8511.2
30°	5561.3	5971.5	6365.5	6790.4	7148.2	7472.9	7693.1	7858.1	7921.6	7933.8	7852.0
32.5°	4563.2	4967.7	5360.6	5804.8	6198.6	6570.6	6830.8	7026.8	7100.8	7118.1	7028.4
35°	3657.4	4030.5	4404.0	4834.5	5226.0	5611.2	5885.3	6090.5	6159.6	6171.3	6067.3
37.5°	2871.8	3189.7	3515.1	3901.4	4260.9	4622.7	4883.2	5076.0	5126.4	5123.2	5005.7
40°	2210.4	2457.5	2719.1	3037.0	3336.0	3641.8	3861.7	4021.1	4047.6	4028.0	3904.5
42.5°	1662.1	1840.6	2030.2	2267.5	2489.4	2718.2	2878.2	2996.6	3000.4	2969.4	2858.5
45°	1238.2	1412.4	1491.9	1635.4	1778.3	1930.5	2028.2	2101.3	2090.0	2062.7	1978.5
47.5°	944.0	1010.9	1081.9	1170.9	1254.1	1426.8	1414.0	1531.4	1446.8	1504.5	1377.6
50°	749.6	787.0	825.2	872.5	915.9	961.1	989.3	1010.4	1007.6	998.6	974.3
52.5°	637.7	649.3	668.1	695.0	719.2	743.7	759.7	772.8	773.0	769.4	757.1
55°	533.0	547.7	561.2	578.7	608.7	613.3	636.3	631.6	633.5	627.1	633.6
57.5°	469.9	478.5	486.1	496.5	505.2	515.3	521.2	526.9	526.4	525.1	518.9
60°	425.3	430.0	434.2	440.3	445.0	450.7	453.5	456.4	455.5	453.3	447.7
62.5°	390.8	393.8	396.2	400.1	403.0	406.5	408.0	409.2	408.0	405.9	401.0
65°	356.8	358.7	360.2	363.2	365.2	368.3	369.5	370.6	369.5	367.9	364.2
67.5°	326.1	326.3	326.2	327.4	328.0	329.8	330.4	331.2	329.9	328.5	325.4
70°	302.9	302.4	301.9	302.3	302.4	303.4	303.4	303.4	301.8	299.4	295.9
72.5°	284.8	284.5	284.0	284.4	284.4	285.2	285.0	284.6	282.6	280.4	277.0
75°	261.4	261.2	260.3	260.3	259.6	259.9	258.9	258.4	256.2	254.3	251.2
77.5°	234.0	233.6	232.3	231.8	230.4	229.9	228.1	227.2	225.0	223.5	220.9
80°	203.5	203.0	201.4	200.5	198.3	196.9	194.3	192.8	190.3	188.8	186.2
82.5°	168.3	168.4	166.8	165.7	162.5	160.1	156.6	154.7	151.9	150.4	147.8
85°	119.7	117.9	118.8	118.7	116.8	114.7	111.9	109.8	107.5	106.1	104.2
87.5°	65.6	66.1	65.6	65.1	63.7	62.7	60.5	59.3	57.6	56.8	55.4
90°	35.5	34.5	31.9	30.9	28.4	26.9	24.1	22.7	20.1	19.5	17.9
92.5°	33.4	31.5	29.6	27.7	25.9	24.1	22.1	20.3	18.4	17.7	17.2
95°	42.0	39.3	36.6	33.9	31.1	28.4	25.7	23.0	20.3	19.8	19.2
97.5°	47.4	44.1	41.0	37.8	34.6	31.4	28.3	25.1	21.9	21.6	21.2
100°	83.9	76.7	69.3	62.0	54.5	47.2	40.0	32.6	25.3	24.9	24.4
102.5°	191.7	173.9	156.2	138.3	120.6	102.8	85.0	67.2	49.4	46.8	44.3
105°	340.8	313.8	286.9	260.1	233.0	206.1	179.2	152.2	125.3	116.7	108.1
107.5°	448.2	422.9	397.7	372.4	346.9	321.7	296.4	271.0	245.7	230.5	215.3
110°	496.9	476.8	456.8	436.8	416.6	396.5	376.4	356.3	336.2	323.1	310.0



TEST NUMBER: P1444858
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL12

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	491.0	476.4	461.7	446.9	432.3	417.5	402.8	388.1	373.3	365.3	357.4
115°	443.9	435.1	426.3	417.4	408.5	399.6	390.8	381.9	372.9	368.8	364.6
117.5°	387.9	383.4	378.9	374.3	369.8	365.2	360.8	356.1	351.6	350.2	348.7
120°	331.0	329.6	328.1	326.8	325.4	324.0	322.5	321.1	319.7	319.9	320.1
122.5°	283.4	283.9	284.5	285.0	285.5	286.0	286.5	287.0	287.5	288.6	289.7
125°	249.8	251.1	252.5	253.8	255.0	256.3	257.7	258.9	260.2	261.4	262.5
127.5°	225.9	227.3	228.8	230.2	231.7	233.2	234.7	236.0	237.5	238.5	239.6
130°	209.1	210.4	211.6	212.9	214.2	215.5	216.7	218.0	219.2	220.0	220.8
132.5°	196.8	198.0	199.2	200.2	201.4	202.5	203.8	204.9	206.1	206.6	207.3
135°	189.0	189.7	190.7	191.5	192.4	193.2	194.1	195.0	195.9	196.3	196.8
137.5°	181.9	182.5	183.3	184.0	184.7	185.4	186.2	186.8	187.7	187.8	188.1
140°	175.6	176.3	177.1	177.8	178.6	179.3	180.2	181.0	181.8	182.1	182.3
142.5°	171.0	171.4	172.1	172.6	173.3	173.8	174.5	175.1	175.8	176.1	176.3
145°	165.8	166.5	167.2	167.9	168.6	169.3	170.2	171.0	171.8	171.9	172.1
147.5°	162.3	162.9	163.5	164.1	164.8	165.4	166.1	166.8	167.6	167.7	167.8
150°	158.3	158.9	159.5	160.2	160.8	161.6	162.3	163.1	163.9	164.1	164.3
152.5°	154.7	155.3	156.0	156.7	157.5	158.3	159.2	159.9	160.7	160.9	161.2
155°	151.6	152.3	153.0	153.8	154.5	155.3	156.1	156.8	157.7	157.9	158.2
157.5°	149.9	150.4	151.2	151.8	152.5	153.1	154.0	154.6	155.3	155.5	155.7
160°	148.8	149.3	149.9	150.5	151.1	151.7	152.3	152.9	153.5	153.8	154.0
162.5°	147.7	148.4	148.9	149.5	150.1	150.7	151.3	151.9	152.5	152.7	152.9
165°	147.5	147.8	148.3	148.7	149.0	149.5	150.0	150.3	150.9	151.1	151.4
167.5°	148.5	148.7	149.1	149.4	149.8	150.1	150.5	150.8	151.2	151.4	151.6
170°	148.6	148.9	149.1	149.5	149.9	150.1	150.4	150.8	151.2	151.4	151.5
172.5°	149.2	149.4	149.6	149.9	150.0	150.2	150.4	150.7	150.9	151.2	151.3
175°	150.2	150.2	150.4	150.5	150.5	150.7	150.8	150.9	151.1	151.3	151.4
177.5°	151.4	151.5	151.5	151.6	151.8	151.9	152.0	152.1	152.2	152.4	152.6
180°	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9



TEST NUMBER: P1444858
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL12

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4
2.5°	9815.7	9815.6	9815.3	9814.9	9814.4	9814.7	9815.2	9816.3	9818.2	9821.1	9824.8
5°	9781.2	9783.3	9784.4	9784.6	9783.6	9782.9	9783.8	9786.5	9792.0	9801.1	9813.5
7.5°	9745.2	9747.6	9751.4	9754.3	9754.9	9754.1	9754.3	9758.5	9768.5	9786.4	9811.3
10°	9706.5	9699.2	9703.1	9710.2	9715.8	9716.9	9717.5	9722.5	9737.2	9764.1	9804.1
12.5°	9671.0	9647.7	9643.3	9649.6	9658.1	9660.9	9660.2	9662.3	9679.5	9715.0	9770.8
15°	9624.0	9580.4	9565.5	9567.1	9577.7	9581.5	9578.7	9574.4	9591.2	9634.6	9706.8
17.5°	9548.2	9477.8	9450.4	9449.2	9461.4	9464.8	9458.0	9444.8	9461.4	9515.5	9605.2
20°	9432.9	9329.0	9277.3	9269.0	9282.4	9278.5	9265.0	9245.1	9266.8	9332.7	9439.3
22.5°	9225.6	9093.9	9005.6	8977.1	8993.2	8982.5	8962.7	8937.3	8966.1	9040.9	9159.8
25°	8887.0	8734.7	8613.8	8546.0	8558.8	8539.6	8518.1	8487.4	8521.7	8607.6	8738.3
27.5°	8389.1	8213.3	8063.4	7951.2	7955.3	7930.2	7905.5	7865.7	7908.5	8010.2	8157.6
30°	7727.1	7523.6	7341.1	7188.6	7174.9	7150.6	7125.2	7073.1	7126.7	7248.4	7420.6
32.5°	6895.7	6669.7	6458.9	6266.0	6229.7	6205.9	6183.3	6123.2	6193.5	6335.3	6533.3
35°	5923.4	5682.7	5454.2	5233.9	5173.6	5149.8	5130.1	5072.5	5160.2	5314.6	5528.4
37.5°	4856.2	4610.4	4383.5	4157.5	4072.3	4040.1	4025.8	3988.0	4089.2	4241.9	4456.6
40°	3760.6	3532.0	3328.6	3129.1	3031.9	2982.5	2975.1	2968.2	3066.0	3198.5	3393.4
42.5°	2735.7	2551.3	2394.4	2241.9	2153.9	2086.5	2086.5	2107.0	2194.9	2294.2	2444.5
45°	1892.3	1768.6	1668.7	1566.8	1594.0	1459.7	1538.6	1498.1	1541.6	1605.6	1703.3
47.5°	1300.9	1233.2	1178.4	1121.4	1079.9	1040.2	1043.8	1069.3	1110.3	1148.2	1199.1
50°	948.1	913.7	885.7	856.2	835.5	818.0	819.0	830.1	851.6	871.6	898.2
52.5°	742.9	723.9	708.7	692.4	681.5	672.9	673.3	678.7	690.3	701.8	717.0
55°	612.3	610.1	590.3	575.6	570.0	564.2	565.3	567.3	575.3	581.9	592.0
57.5°	513.1	504.2	498.3	490.6	487.0	483.0	483.9	484.7	490.0	494.5	501.7
60°	443.1	436.8	432.6	427.3	425.0	422.4	423.0	423.5	426.8	429.8	435.0
62.5°	396.5	390.9	387.3	383.2	381.6	379.8	380.2	380.4	382.5	384.7	388.6
65°	360.9	356.4	353.3	349.8	348.1	346.3	346.5	346.5	348.3	349.8	352.8
67.5°	323.1	319.7	317.8	315.0	313.9	312.0	311.9	311.3	312.6	313.1	315.2
70°	292.8	289.4	286.9	284.2	282.7	281.1	281.1	281.1	282.5	283.9	286.5
72.5°	274.1	270.8	268.6	266.3	264.9	263.5	263.2	263.1	264.1	264.8	266.6
75°	249.3	246.7	245.4	243.2	242.1	240.5	240.3	239.5	240.0	240.2	241.5
77.5°	219.2	216.8	215.7	213.5	212.6	210.8	210.6	209.8	210.2	210.0	210.9
80°	185.0	182.8	182.1	180.3	179.9	178.2	177.9	177.0	177.3	176.5	176.9
82.5°	146.7	144.7	144.2	142.5	142.5	141.0	140.9	139.5	139.5	138.2	136.1
85°	103.3	101.8	101.2	99.8	99.4	98.2	97.6	96.2	95.7	94.8	94.5
87.5°	54.5	53.6	52.8	52.1	50.9	48.7	48.5	47.0	47.2	46.1	46.2
90°	17.4	16.0	15.5	14.1	13.6	12.5	12.2	12.4	12.7	13.1	13.5
92.5°	16.5	15.9	15.3	14.7	14.0	13.5	12.8	13.5	14.0	14.7	15.3
95°	18.7	18.1	17.7	17.1	16.5	16.0	15.4	16.0	16.5	17.2	17.7
97.5°	20.9	20.5	20.2	19.8	19.5	19.1	18.8	19.1	19.5	19.8	20.2
100°	24.1	23.6	23.2	22.8	22.4	21.9	21.6	22.0	22.5	22.9	23.3
102.5°	41.7	39.1	36.6	34.0	31.4	28.9	26.3	28.9	31.4	34.1	36.7
105°	99.3	90.7	82.0	73.4	64.7	56.0	47.4	56.1	64.8	73.5	82.1
107.5°	199.9	184.8	169.6	154.3	139.0	123.8	108.5	123.9	139.1	154.4	169.7
110°	296.9	283.8	270.6	257.5	244.4	231.2	218.0	231.2	244.4	257.5	270.7



TEST NUMBER: P1444858
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL12

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	349.3	341.4	333.4	325.4	317.3	309.4	301.3	309.4	317.4	325.6	333.6
115°	360.3	356.1	351.9	347.8	343.4	339.2	334.9	339.3	343.6	348.0	352.2
117.5°	347.2	345.7	344.2	342.8	341.3	339.8	338.2	339.9	341.4	343.0	344.6
120°	320.2	320.4	320.5	320.6	320.8	320.9	321.0	321.0	321.0	321.0	321.0
122.5°	290.8	291.9	292.9	294.0	295.1	296.1	297.0	296.2	295.4	294.5	293.5
125°	263.6	264.9	265.9	267.0	268.0	269.2	270.1	269.4	268.5	267.6	266.6
127.5°	240.6	241.7	242.6	243.7	244.6	245.6	246.4	245.8	245.0	244.2	243.4
130°	221.6	222.4	223.1	223.9	224.7	225.3	225.9	225.5	225.0	224.6	223.9
132.5°	207.8	208.5	209.1	209.6	210.1	210.6	211.0	210.8	210.5	210.3	209.9
135°	197.2	197.5	198.0	198.4	198.6	198.9	199.1	199.2	199.1	199.1	198.9
137.5°	188.3	188.6	188.7	188.9	189.0	189.1	189.1	189.4	189.4	189.7	189.7
140°	182.5	182.8	182.9	183.0	183.3	183.3	183.3	183.6	183.8	183.9	184.0
142.5°	176.5	176.7	177.0	177.1	177.3	177.3	177.4	177.6	177.7	177.8	177.9
145°	172.2	172.4	172.4	172.6	172.5	172.5	172.4	172.8	173.0	173.3	173.5
147.5°	167.9	168.1	168.1	168.2	168.2	168.2	168.1	168.4	168.6	168.8	169.0
150°	164.6	164.8	165.0	165.2	165.4	165.5	165.5	165.7	165.8	165.8	165.9
152.5°	161.4	161.6	161.8	161.9	162.1	162.1	162.1	162.4	162.6	162.7	162.8
155°	158.4	158.7	158.9	159.1	159.3	159.4	159.6	159.7	159.8	159.9	160.0
157.5°	155.9	156.2	156.4	156.6	156.7	156.9	157.1	157.3	157.4	157.6	157.6
160°	154.1	154.4	154.5	154.8	155.0	155.2	155.3	155.4	155.6	155.7	155.8
162.5°	153.1	153.3	153.4	153.7	153.8	154.0	154.1	154.3	154.5	154.6	154.7
165°	151.5	151.8	152.1	152.4	152.6	152.8	153.0	153.1	153.1	153.3	153.3
167.5°	151.8	152.1	152.3	152.6	152.7	152.9	153.1	153.2	153.2	153.3	153.4
170°	151.7	151.9	152.1	152.3	152.6	152.7	152.8	152.8	152.9	153.0	153.0
172.5°	151.5	151.8	152.1	152.3	152.6	152.7	153.0	153.0	152.9	152.8	152.7
175°	151.6	151.8	152.0	152.2	152.4	152.6	152.8	152.7	152.7	152.6	152.6
177.5°	152.9	153.2	153.4	153.6	153.9	154.0	154.3	154.1	154.0	153.8	153.6
180°	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9



TEST NUMBER: P1444858
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL12

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4
2.5°	9830.0	9834.9	9842.5	9849.4	9859.6	9867.7	9879.8	9889.0	9902.8	9911.7	9926.7
5°	9831.0	9850.2	9875.5	9900.2	9929.8	9956.8	9990.2	10018.7	10052.4	10079.8	10114.2
7.5°	9844.8	9882.0	9926.4	9971.2	10021.8	10069.2	10122.6	10170.9	10223.7	10268.5	10317.3
10°	9855.1	9912.3	9977.8	10043.7	10113.1	10177.6	10242.6	10298.9	10351.4	10394.7	10432.9
12.5°	9841.2	9920.0	10004.0	10085.3	10162.4	10229.1	10285.1	10328.3	10358.2	10378.5	10383.2
15°	9793.9	9888.7	9980.2	10061.0	10125.0	10174.4	10199.9	10211.9	10199.1	10177.7	10130.9
17.5°	9705.6	9805.6	9887.4	9951.1	9984.9	9998.4	9977.2	9940.3	9868.4	9788.5	9673.1
20°	9543.8	9637.0	9696.2	9731.0	9722.0	9688.4	9608.5	9511.3	9367.7	9214.5	9012.4
22.5°	9259.8	9341.3	9372.9	9375.4	9320.2	9236.4	9092.2	8925.6	8698.9	8463.2	8173.4
25°	8833.6	8905.0	8910.0	8882.0	8780.9	8645.0	8433.4	8197.6	7889.6	7575.5	7212.3
27.5°	8255.6	8324.0	8307.3	8255.0	8114.7	7933.0	7661.9	7357.4	6977.6	6606.7	6204.9
30°	7529.0	7602.2	7582.5	7515.4	7348.5	7133.7	6814.9	6461.0	6039.3	5643.2	5236.0
32.5°	6659.5	6752.0	6738.4	6674.7	6500.5	6270.7	5924.6	5549.3	5117.9	4727.5	4331.4
35°	5671.1	5783.5	5789.3	5747.6	5585.9	5358.8	5017.0	4653.8	4240.6	3872.3	3506.4
37.5°	4606.4	4736.6	4763.3	4752.0	4618.1	4417.6	4106.2	3780.3	3414.3	3091.4	2778.5
40°	3535.7	3667.5	3713.2	3726.8	3627.9	3472.6	3217.1	2954.0	2655.6	2394.0	2145.5
42.5°	2559.2	2676.0	2720.3	2748.0	2686.3	2582.8	2396.4	2205.3	1986.7	1798.1	1617.2
45°	1777.4	1860.1	1893.7	1921.7	1888.1	1829.6	1711.9	1592.5	1448.1	1324.8	1208.1
47.5°	1242.7	1288.3	1310.5	1324.1	1311.1	1280.5	1216.5	1147.3	1065.8	993.8	924.5
50°	921.1	945.4	957.0	964.8	955.3	938.4	903.7	866.0	821.3	780.5	740.6
52.5°	729.9	743.8	750.7	755.0	749.5	739.2	719.0	696.6	669.8	644.6	631.3
55°	615.0	614.2	630.1	622.5	630.1	612.9	609.4	584.8	562.5	546.9	529.9
57.5°	507.1	514.4	517.4	520.9	518.6	515.5	506.9	498.1	486.4	476.5	466.0
60°	439.0	445.0	448.3	451.6	451.5	450.2	445.3	440.0	432.8	426.8	420.5
62.5°	392.1	397.2	400.5	403.8	404.1	403.6	399.8	396.2	391.2	387.4	383.1
65°	355.1	358.7	361.0	363.6	363.5	362.7	359.4	356.3	352.2	349.6	346.4
67.5°	316.5	319.2	320.9	323.4	323.9	324.0	322.1	320.7	318.7	317.9	316.9
70°	289.0	292.3	295.1	298.2	299.9	300.7	299.9	299.2	298.0	297.5	296.7
72.5°	268.1	270.9	273.2	275.9	277.5	278.6	278.1	277.6	276.6	276.5	275.9
75°	242.3	244.3	245.5	247.6	248.4	249.5	249.0	249.3	249.0	249.7	249.7
77.5°	211.3	212.7	213.2	214.8	214.9	216.2	216.5	218.0	219.1	221.4	222.6
80°	176.3	177.2	177.2	178.8	179.5	181.6	182.7	185.1	186.2	188.3	188.5
82.5°	137.0	135.9	137.0	136.3	138.3	140.7	141.0	143.1	143.5	144.9	143.9
85°	93.7	93.6	92.7	92.8	92.3	92.5	92.2	92.5	92.2	92.3	91.2
87.5°	44.9	45.2	44.3	44.6	43.7	44.1	43.3	43.9	42.9	43.1	41.6
90°	13.8	14.2	14.6	15.1	15.6	16.7	17.9	19.0	20.4	21.6	22.9
92.5°	15.9	16.5	17.2	17.7	18.4	20.3	22.1	24.1	26.0	27.8	29.6
95°	18.2	18.8	19.3	20.0	20.5	23.2	25.9	28.6	31.3	34.1	36.8
97.5°	20.6	21.0	21.3	21.6	22.0	25.2	28.4	31.6	34.7	38.0	41.2
100°	23.7	24.2	24.5	25.1	25.5	32.8	40.1	47.5	54.8	62.2	69.5
102.5°	39.2	41.8	44.4	47.0	49.6	67.5	85.3	103.0	120.8	138.6	156.5
105°	90.8	99.4	108.2	116.9	125.5	152.5	179.5	206.4	233.3	260.3	287.3
107.5°	184.9	200.1	215.6	230.8	246.0	271.4	296.7	322.0	347.4	372.8	398.0
110°	283.9	297.0	310.2	323.4	336.6	356.7	376.8	397.0	417.1	437.3	457.4



TEST NUMBER: P1444858
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL12

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	341.6	349.6	357.7	365.7	373.8	388.6	403.3	418.1	433.0	447.6	462.3
115°	356.5	360.7	365.0	369.2	373.5	382.5	391.4	400.4	409.3	418.1	427.1
117.5°	346.2	347.8	349.3	350.7	352.2	356.9	361.5	366.1	370.7	375.4	379.9
120°	321.0	320.9	320.8	320.6	320.5	321.9	323.5	325.0	326.4	327.9	329.3
122.5°	292.6	291.6	290.5	289.5	288.5	288.0	287.6	287.1	286.7	286.2	285.7
125°	265.6	264.6	263.5	262.6	261.5	260.2	259.0	257.6	256.4	255.2	253.9
127.5°	242.6	241.7	240.7	239.8	238.9	237.4	236.1	234.6	233.2	231.8	230.3
130°	223.5	222.8	222.2	221.3	220.8	219.5	218.2	217.0	215.7	214.6	213.3
132.5°	209.6	209.1	208.7	208.1	207.7	206.5	205.5	204.3	203.2	202.1	201.1
135°	198.7	198.5	198.3	198.0	197.6	196.8	196.0	195.1	194.4	193.5	192.7
137.5°	189.8	189.7	189.7	189.5	189.5	188.8	188.1	187.4	186.8	186.1	185.5
140°	184.0	184.0	184.0	183.9	183.8	183.0	182.4	181.5	180.9	180.2	179.4
142.5°	177.9	178.0	177.9	177.9	177.8	177.2	176.7	176.2	175.6	175.0	174.5
145°	173.5	173.6	173.7	173.7	173.7	173.1	172.4	171.7	171.1	170.4	169.8
147.5°	169.3	169.3	169.4	169.6	169.7	169.0	168.5	167.9	167.4	166.8	166.4
150°	166.0	166.0	166.0	166.0	166.0	165.5	164.9	164.3	163.8	163.2	162.7
152.5°	162.9	163.0	163.0	163.0	163.1	162.5	161.9	161.3	160.6	160.0	159.4
155°	160.1	160.1	160.1	160.1	160.1	159.5	159.0	158.4	157.9	157.3	156.7
157.5°	157.7	157.8	157.9	157.9	157.9	157.5	157.0	156.5	156.0	155.4	155.0
160°	155.9	156.0	156.1	156.2	156.2	155.8	155.4	155.0	154.6	154.1	153.7
162.5°	154.8	155.0	155.0	155.1	155.2	154.8	154.3	154.0	153.5	153.1	152.7
165°	153.3	153.3	153.4	153.3	153.3	153.0	152.8	152.6	152.3	152.0	151.7
167.5°	153.4	153.3	153.4	153.4	153.4	153.2	153.1	152.7	152.6	152.4	152.2
170°	153.1	153.0	153.0	153.1	153.0	152.8	152.7	152.5	152.4	152.0	151.8
172.5°	152.7	152.7	152.6	152.6	152.4	152.3	152.1	152.0	151.9	151.8	151.6
175°	152.4	152.4	152.2	152.2	152.0	152.0	152.0	151.9	151.8	151.8	151.7
177.5°	153.4	153.3	153.0	152.8	152.7	152.7	152.6	152.6	152.6	152.5	152.4
180°	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9



TEST NUMBER: P1444858
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL12

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4
2.5°	9935.9	9874.5	9866.4	9870.7	9880.9	9884.8	9895.8	9898.9	9910.0	9912.7	9923.4
5°	10140.9	10059.8	10063.8	10083.3	10112.8	10130.4	10159.5	10174.6	10202.3	10215.0	10240.0
7.5°	10357.1	10293.4	10313.3	10346.1	10386.5	10414.4	10449.3	10472.0	10502.1	10520.7	10544.8
10°	10463.2	10445.7	10467.6	10493.5	10516.5	10534.6	10549.3	10561.1	10568.9	10576.2	10579.4
12.5°	10382.5	10409.4	10413.1	10410.6	10395.4	10383.8	10357.6	10339.8	10308.2	10289.0	10251.5
15°	10083.0	10142.4	10109.5	10059.7	9986.9	9926.1	9840.3	9776.5	9687.1	9626.5	9536.9
17.5°	9557.5	9632.4	9546.7	9431.5	9285.0	9159.7	9003.5	8879.6	8724.4	8611.5	8466.6
20°	8817.7	8887.7	8734.9	8543.9	8317.2	8126.4	7901.5	7722.0	7512.9	7357.4	7169.7
22.5°	7896.5	7946.4	7731.1	7473.7	7184.8	6946.5	6677.5	6462.4	6223.7	6045.9	5845.8
25°	6877.5	6891.0	6632.7	6336.1	6014.2	5746.3	5459.1	5232.9	4989.5	4809.3	4613.0
27.5°	5848.9	5829.2	5550.0	5235.6	4896.9	4618.5	4338.4	4126.4	3913.2	3750.9	3581.7
30°	4878.1	4830.3	4540.4	4217.2	3888.5	3639.0	3406.4	3236.2	3066.6	2937.9	2802.0
32.5°	3987.8	3920.4	3638.2	3335.4	3058.5	2865.9	2693.4	2564.6	2427.7	2318.9	2205.0
35°	3199.3	3127.4	2877.5	2620.8	2411.1	2269.2	2133.6	2028.0	1911.7	1819.9	1721.0
37.5°	2522.5	2463.6	2254.3	2052.2	1893.7	1783.7	1672.7	1586.3	1490.2	1449.8	1344.1
40°	1947.4	1906.3	1742.6	1593.6	1474.5	1422.8	1310.1	1229.4	1157.7	1098.5	1041.1
42.5°	1519.0	1504.4	1345.1	1228.9	1145.1	1080.0	1017.2	966.2	916.6	875.8	837.2
45°	1114.8	1103.2	1032.4	965.4	908.3	862.8	820.3	785.3	752.8	725.9	701.5
47.5°	868.1	864.4	823.6	782.0	746.1	716.8	689.2	666.0	644.4	626.5	620.6
50°	706.0	705.6	681.6	656.0	630.3	613.4	595.8	582.1	568.2	557.5	546.1
52.5°	599.8	597.2	581.2	565.3	550.1	539.0	527.7	518.9	509.8	503.1	496.1
55°	516.4	519.2	509.8	500.3	490.9	484.0	476.1	470.2	464.0	459.8	455.5
57.5°	458.4	462.0	457.2	451.8	446.1	441.5	436.0	432.0	427.9	425.2	422.7
60°	416.3	420.2	418.3	415.6	412.0	409.3	405.8	403.6	400.9	399.4	398.0
62.5°	380.6	385.5	384.7	383.5	381.2	379.7	377.8	376.8	375.0	374.3	373.7
65°	344.9	350.4	350.3	349.6	348.4	348.0	346.7	346.6	345.6	346.0	345.9
67.5°	316.7	321.6	322.7	323.4	323.4	323.7	323.6	324.1	324.1	324.7	325.2
70°	296.5	299.9	300.7	301.5	301.7	302.3	302.3	302.8	302.6	303.3	303.4
72.5°	276.0	280.5	281.2	281.9	281.9	282.5	282.2	282.1	281.2	281.1	280.4
75°	250.6	256.2	257.5	258.3	258.4	258.9	258.2	257.6	256.2	255.6	254.6
77.5°	223.9	229.9	230.7	231.0	230.5	230.6	229.0	227.9	226.1	225.3	224.3
80°	189.4	198.0	198.6	198.1	196.8	196.5	195.0	194.0	191.8	190.9	190.1
82.5°	144.1	154.2	155.6	156.3	155.2	155.4	154.0	153.3	151.3	150.9	149.6
85°	91.0	101.1	102.8	102.5	101.5	101.2	100.3	100.6	100.4	101.0	101.3
87.5°	41.8	51.6	54.0	53.2	53.1	52.4	50.8	51.5	52.4	53.0	53.1
90°	24.1	28.2	29.4	28.5	26.9	25.9	24.2	23.6	22.0	21.3	19.8
92.5°	31.6	33.4	35.3	33.6	32.0	30.3	28.6	26.9	25.3	23.6	21.9
95°	39.5	42.1	44.8	42.6	40.2	38.0	35.8	33.6	31.4	29.2	26.9
97.5°	44.3	47.5	50.6	48.4	46.2	43.9	41.6	39.5	37.3	35.0	32.8
100°	76.8	84.1	91.3	85.0	78.7	72.4	66.1	59.7	53.4	47.1	40.8
102.5°	174.1	191.9	209.6	193.6	177.7	161.7	145.7	129.8	113.8	97.7	81.9
105°	314.1	341.0	367.8	343.4	319.1	294.6	270.3	245.9	221.6	197.2	172.8
107.5°	423.4	448.5	473.7	451.5	429.6	407.5	385.5	363.5	341.4	319.3	297.4
110°	477.5	497.3	517.2	502.4	487.7	472.8	458.1	443.2	428.4	413.7	399.0



TEST NUMBER: P1444858
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL12

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	477.1	491.4	506.0	497.3	488.6	480.1	471.3	462.7	454.1	445.5	436.9
115°	435.9	444.3	453.0	449.6	446.2	442.7	439.3	435.9	432.5	429.2	425.8
117.5°	384.4	388.4	392.8	392.2	391.5	390.9	390.2	389.7	389.0	388.5	387.9
120°	330.8	331.5	332.7	333.0	333.6	333.9	334.5	334.9	335.4	335.8	336.3
122.5°	285.2	284.0	283.3	283.7	284.1	284.4	285.0	285.2	285.8	286.2	286.7
125°	252.6	250.5	249.0	248.4	247.9	247.2	246.7	246.0	245.5	244.9	244.4
127.5°	228.9	226.7	224.9	223.6	222.2	220.8	219.5	218.1	216.8	215.3	214.0
130°	212.1	209.9	208.5	206.7	205.1	203.2	201.5	199.9	198.1	196.4	194.6
132.5°	199.9	197.8	196.5	194.8	193.3	191.6	189.9	188.1	186.6	184.8	183.2
135°	191.9	190.0	188.9	187.3	186.0	184.4	182.8	181.4	179.9	178.3	176.9
137.5°	184.7	182.9	182.0	180.8	179.7	178.4	177.3	176.1	174.9	173.5	172.4
140°	178.7	176.7	175.8	175.2	174.5	173.8	173.1	172.4	171.7	171.0	170.3
142.5°	173.9	172.2	171.3	171.0	170.6	170.0	169.7	169.3	168.8	168.3	167.9
145°	169.1	167.1	166.2	166.0	166.1	166.0	166.0	165.9	165.9	165.8	165.8
147.5°	165.8	163.7	162.8	162.9	163.0	163.1	163.2	163.2	163.2	163.3	163.4
150°	161.9	159.6	158.6	158.8	159.0	159.2	159.4	159.6	159.8	160.0	160.2
152.5°	158.8	156.0	154.8	155.0	155.3	155.4	155.7	155.9	156.2	156.5	156.7
155°	156.1	153.0	151.8	151.9	151.9	152.1	152.1	152.3	152.4	152.6	152.7
157.5°	154.3	151.3	150.1	150.1	150.1	150.1	150.1	150.1	150.2	150.3	150.4
160°	153.3	150.1	149.0	148.9	148.9	148.9	148.9	148.9	149.0	149.1	149.1
162.5°	152.2	149.1	148.0	148.0	147.9	147.9	148.0	147.8	147.9	148.0	148.0
165°	151.4	148.8	147.8	147.7	147.8	147.8	147.9	148.0	148.1	148.2	148.4
167.5°	151.9	149.6	148.8	148.8	148.6	148.5	148.5	148.4	148.4	148.3	148.3
170°	151.5	149.7	149.0	149.0	149.1	149.0	149.0	149.1	149.1	149.1	149.2
172.5°	151.4	150.1	149.7	149.7	149.9	150.0	150.1	150.1	150.3	150.4	150.6
175°	151.6	150.9	150.7	150.7	150.7	150.8	150.9	150.9	151.0	151.1	151.2
177.5°	152.4	152.1	151.9	151.9	151.9	151.9	151.9	151.9	151.9	152.0	152.0
180°	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9



TEST NUMBER: P1444858
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4
2.5°	9925.4	9937.0	9936.1	9946.9	9946.4	9956.6	9954.5	9963.4	9961.3	9968.8	9964.4
5°	10251.0	10273.0	10280.3	10300.2	10304.2	10322.0	10322.4	10336.5	10334.8	10345.9	10340.0
7.5°	10559.0	10579.5	10589.3	10604.7	10612.4	10625.2	10630.2	10640.7	10643.2	10649.4	10649.2
10°	10584.9	10584.9	10589.7	10587.5	10591.9	10589.4	10594.7	10592.7	10600.5	10598.5	10604.3
12.5°	10235.2	10200.6	10187.8	10156.7	10149.8	10123.1	10125.0	10107.8	10116.1	10105.6	10123.5
15°	9483.6	9403.1	9363.3	9293.3	9271.3	9216.0	9211.5	9174.7	9184.7	9165.4	9193.5
17.5°	8372.9	8246.1	8176.6	8074.3	8033.8	7955.4	7939.7	7892.5	7899.8	7876.0	7909.9
20°	7048.6	6895.4	6807.7	6689.4	6636.8	6543.4	6518.7	6465.7	6472.4	6448.7	6487.1
22.5°	5709.2	5548.9	5449.8	5325.9	5258.6	5170.8	5144.5	5091.4	5094.3	5072.1	5109.0
25°	4478.4	4324.7	4228.5	4116.0	4057.5	3977.1	3949.4	3901.6	3904.3	3886.0	3919.1
27.5°	3464.4	3338.2	3257.8	3163.4	3111.0	3044.9	3017.9	2977.8	2977.6	2964.2	2991.9
30°	2707.3	2602.0	2529.7	2447.6	2398.3	2338.7	2312.6	2276.7	2275.1	2265.6	2287.6
32.5°	2119.7	2026.0	1960.2	1887.9	1843.7	1792.4	1767.8	1738.9	1736.3	1727.7	1745.7
35°	1647.8	1568.9	1512.3	1451.4	1455.9	1380.4	1392.9	1334.2	1318.3	1314.8	1328.3
37.5°	1273.5	1212.5	1166.4	1120.9	1089.9	1058.1	1040.9	1025.5	1023.7	1022.2	1031.6
40°	996.8	954.1	920.7	889.3	868.1	848.7	837.9	829.4	827.4	826.3	831.9
42.5°	806.7	777.9	756.4	737.3	724.3	713.7	707.9	703.2	701.6	701.7	705.0
45°	681.6	664.1	650.2	638.4	630.1	633.7	623.1	628.6	621.3	628.9	623.9
47.5°	600.3	585.3	576.8	568.3	563.4	559.3	559.5	559.6	561.2	561.4	563.0
50°	537.5	528.9	522.9	517.5	514.9	512.8	513.5	514.1	515.7	515.8	517.0
52.5°	491.0	485.4	481.7	478.4	477.3	476.1	476.5	476.4	477.0	476.7	477.7
55°	453.2	450.5	449.4	448.2	448.4	448.0	448.2	447.1	446.3	445.4	446.3
57.5°	422.2	421.8	422.6	423.1	424.5	425.1	425.3	424.0	422.7	421.4	422.2
60°	398.3	398.9	400.7	402.3	404.4	405.3	405.8	405.1	404.2	403.1	403.7
62.5°	374.7	375.6	377.9	379.6	382.1	383.4	384.7	384.8	385.2	384.8	385.2
65°	347.3	348.4	350.5	351.9	354.3	355.4	356.8	357.1	357.9	357.7	358.4
67.5°	326.5	327.5	329.3	330.6	332.6	333.8	335.1	335.1	335.5	335.4	336.1
70°	304.4	304.8	306.4	307.5	309.6	310.8	312.2	312.6	313.6	313.7	314.4
72.5°	280.7	280.5	281.3	281.9	283.4	284.4	286.3	287.3	288.8	289.1	289.7
75°	254.9	254.7	255.8	256.2	257.6	258.5	260.6	261.9	264.3	265.3	265.0
77.5°	225.1	225.6	227.6	228.7	230.5	231.7	234.4	236.6	240.9	242.9	240.9
80°	191.8	192.2	194.4	195.5	197.7	199.2	202.3	204.8	208.7	209.5	208.4
82.5°	150.7	150.9	152.7	153.6	156.6	158.7	162.6	164.5	167.0	166.6	166.3
85°	102.8	104.2	106.6	108.9	112.6	116.0	119.7	122.6	120.6	123.9	120.1
87.5°	54.9	54.8	58.0	57.5	62.6	65.6	68.7	70.1	71.9	71.5	71.5
90°	19.1	18.1	17.9	16.9	17.0	15.8	16.1	15.1	15.6	14.3	16.2
92.5°	20.3	19.3	18.5	17.6	16.6	15.8	14.9	13.9	13.1	12.2	13.1
95°	24.7	23.9	23.0	22.2	21.4	20.6	19.8	19.0	18.1	17.3	18.3
97.5°	30.6	30.1	29.6	29.1	28.6	28.2	27.7	27.1	26.7	26.2	26.9
100°	34.5	34.5	34.5	34.5	34.4	34.4	34.4	34.4	34.4	34.4	34.9
102.5°	65.9	64.3	62.7	61.0	59.5	57.8	56.2	54.6	53.1	51.5	53.8
105°	148.5	142.2	136.0	129.7	123.4	117.2	110.9	104.6	98.4	92.2	98.6
107.5°	275.4	264.0	252.5	241.2	229.8	218.3	207.0	195.7	184.2	172.9	183.1
110°	384.2	372.1	360.0	348.0	335.8	323.8	311.7	299.6	287.6	275.5	285.1



TEST NUMBER: P1444858
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	428.2	420.3	412.6	404.7	396.9	389.2	381.4	373.6	365.9	358.1	362.8
115°	422.4	418.7	414.9	411.2	407.5	403.8	400.1	396.4	392.7	389.0	389.3
117.5°	387.3	386.0	384.8	383.5	382.3	381.1	379.9	378.7	377.5	376.4	373.8
120°	336.9	337.2	337.5	338.0	338.4	338.8	339.1	339.7	340.1	340.6	337.1
122.5°	287.1	287.9	288.9	289.9	290.7	291.7	292.7	293.8	294.8	295.8	292.3
125°	243.8	244.6	245.5	246.5	247.3	248.3	249.3	250.4	251.3	252.4	249.5
127.5°	212.7	213.0	213.1	213.5	213.8	214.3	214.6	215.1	215.6	216.1	214.3
130°	193.0	192.5	192.2	191.9	191.5	191.3	191.1	190.8	190.7	190.6	189.7
132.5°	181.5	180.7	180.0	179.1	178.4	177.7	177.1	176.5	175.9	175.4	175.1
135°	175.3	174.2	173.1	172.1	171.0	170.2	169.2	168.4	167.5	166.7	166.9
137.5°	171.1	170.1	169.0	168.0	166.9	165.9	165.0	164.1	163.2	162.5	162.8
140°	169.7	168.5	167.4	166.4	165.5	164.5	163.5	162.7	161.8	161.1	161.3
142.5°	167.4	166.5	165.5	164.5	163.6	162.8	161.9	161.1	160.4	159.7	159.9
145°	165.8	165.0	164.3	163.5	162.9	162.4	161.7	161.2	160.6	160.2	160.3
147.5°	163.4	163.0	162.3	161.9	161.3	160.9	160.4	160.0	159.5	159.3	159.3
150°	160.4	160.1	159.6	159.3	159.0	158.7	158.4	158.1	157.9	157.7	157.6
152.5°	156.9	156.6	156.3	156.0	155.7	155.4	155.2	155.0	154.8	154.5	154.5
155°	152.9	152.7	152.7	152.5	152.4	152.3	152.2	152.2	152.1	152.0	152.0
157.5°	150.5	150.4	150.4	150.5	150.4	150.5	150.4	150.5	150.5	150.6	150.7
160°	149.3	149.3	149.1	149.2	149.0	149.0	148.9	149.0	148.9	148.9	149.1
162.5°	148.1	148.3	148.3	148.4	148.5	148.6	148.7	148.8	148.8	149.0	149.1
165°	148.5	148.4	148.4	148.4	148.4	148.4	148.4	148.5	148.5	148.6	148.8
167.5°	148.3	148.4	148.5	148.5	148.6	148.8	148.9	149.0	149.1	149.4	149.6
170°	149.2	149.2	149.2	149.2	149.2	149.3	149.3	149.3	149.4	149.5	149.6
172.5°	150.7	150.7	150.6	150.7	150.6	150.7	150.7	150.7	150.7	150.8	150.9
175°	151.2	151.4	151.4	151.4	151.5	151.6	151.7	151.7	151.8	151.9	151.9
177.5°	152.0	152.0	152.0	152.0	152.0	152.1	152.1	152.1	152.1	152.0	152.1
180°	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9



TEST NUMBER: P1444858
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL12

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4
2.5°	9971.7	9966.7	9971.8	9966.7	9971.8	9965.7	9969.9	9963.2	9964.8	9957.9	9959.6
5°	10348.7	10340.9	10345.0	10334.7	10335.8	10322.0	10321.8	10305.7	10301.5	10283.2	10275.2
7.5°	10653.7	10651.1	10652.6	10645.9	10645.1	10635.7	10631.2	10617.9	10609.6	10592.7	10581.2
10°	10605.4	10613.2	10615.2	10623.1	10624.8	10632.6	10634.3	10642.1	10643.7	10649.5	10649.6
12.5°	10122.7	10149.1	10155.4	10188.0	10201.8	10239.0	10259.0	10300.2	10324.5	10365.6	10390.7
15°	9192.7	9238.5	9256.7	9320.3	9355.5	9429.9	9476.5	9561.9	9622.1	9712.7	9777.3
17.5°	7912.9	7976.7	8005.5	8091.8	8148.1	8257.9	8336.8	8467.0	8566.6	8711.2	8825.8
20°	6493.7	6564.6	6603.7	6702.1	6768.6	6896.7	6995.4	7155.3	7288.6	7471.9	7628.6
22.5°	5120.6	5188.1	5231.5	5331.6	5406.5	5540.1	5650.5	5819.2	5968.6	6175.1	6362.9
25°	3931.6	3993.5	4032.7	4123.3	4193.6	4316.5	4421.7	4584.1	4730.3	4937.4	5130.0
27.5°	3005.7	3057.5	3095.3	3172.6	3234.5	3338.7	3429.2	3563.3	3689.3	3868.5	4040.1
30°	2301.1	2347.0	2383.8	2451.1	2508.6	2598.9	2678.4	2791.2	2895.4	3037.9	3174.4
32.5°	1758.4	1797.9	1830.7	1889.6	1941.8	2023.1	2094.8	2193.5	2283.0	2403.9	2516.2
35°	1340.7	1418.5	1413.0	1494.3	1507.3	1565.6	1629.7	1716.0	1795.2	1898.1	1993.6
37.5°	1040.6	1062.5	1085.9	1121.8	1159.6	1212.7	1266.8	1372.2	1411.0	1488.6	1567.7
40°	839.2	853.9	869.5	893.7	920.1	957.5	996.8	1047.2	1098.8	1161.8	1226.2
42.5°	709.5	717.8	727.7	741.9	758.2	781.9	808.2	842.3	878.3	922.6	967.9
45°	633.8	629.8	632.8	640.4	650.3	664.7	681.3	702.4	725.8	754.5	785.1
47.5°	563.4	565.0	565.8	570.0	575.3	585.0	595.0	609.4	637.1	645.5	662.2
50°	516.9	517.6	517.3	519.5	522.2	528.4	534.9	544.6	554.3	567.2	579.5
52.5°	477.8	478.9	478.8	480.2	481.6	485.6	489.6	496.5	502.9	511.1	518.1
55°	447.0	448.5	449.1	450.2	451.0	453.0	454.7	458.0	460.7	465.3	469.6
57.5°	423.3	425.3	426.3	426.7	425.9	425.8	425.3	425.9	426.5	429.0	431.4
60°	404.6	406.3	406.6	406.3	404.8	403.7	401.9	401.4	401.1	402.3	403.6
62.5°	385.1	385.8	385.3	384.8	383.1	382.1	380.2	379.5	378.9	379.8	380.5
65°	358.2	358.6	358.2	357.8	356.3	355.4	353.9	353.3	352.5	352.7	352.6
67.5°	336.2	336.7	336.3	335.9	334.9	334.3	333.2	332.4	331.4	331.0	330.2
70°	314.3	314.7	314.1	313.7	312.5	312.0	311.0	310.7	309.9	309.7	308.8
72.5°	289.1	289.2	288.3	288.1	287.2	287.1	286.7	287.1	287.1	287.5	287.3
75°	263.5	263.1	262.0	261.8	261.1	261.5	261.0	261.6	261.6	262.6	262.8
77.5°	237.7	236.4	234.2	233.3	231.9	231.7	230.9	231.4	231.3	232.4	232.8
80°	205.1	203.5	200.8	199.6	197.9	197.6	196.9	197.6	197.3	198.6	199.5
82.5°	163.8	162.3	159.6	158.6	156.6	156.8	156.0	156.8	156.7	158.6	159.7
85°	121.2	120.2	117.3	114.8	112.1	110.4	108.8	108.5	108.0	108.8	109.4
87.5°	70.0	69.1	66.9	65.4	60.5	60.7	58.7	58.6	58.2	57.7	58.7
90°	16.2	17.7	17.9	19.4	19.7	21.4	21.7	23.3	23.6	25.4	25.7
92.5°	13.9	14.9	15.8	16.6	17.6	18.5	19.3	20.3	22.2	24.1	26.1
95°	19.3	20.4	21.5	22.5	23.5	24.6	25.6	26.7	29.5	32.3	35.2
97.5°	27.6	28.2	29.0	29.6	30.4	31.0	31.8	32.4	35.5	38.6	41.6
100°	35.5	36.0	36.6	37.2	37.7	38.3	38.8	39.4	45.3	51.3	57.1
102.5°	56.2	58.5	60.9	63.3	65.7	68.0	70.4	72.7	86.3	99.8	113.4
105°	105.1	111.5	118.1	124.5	131.0	137.4	143.9	150.3	172.0	193.6	215.3
107.5°	193.3	203.5	213.7	223.9	234.1	244.4	254.5	264.8	285.9	307.1	328.1
110°	294.9	304.6	314.3	324.1	333.8	343.5	353.2	363.0	375.7	388.4	401.1



TEST NUMBER: P1444858
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL12

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	367.6	372.2	376.9	381.8	386.5	391.2	396.0	400.8	407.1	413.5	419.9
115°	389.7	389.9	390.2	390.5	390.8	391.2	391.5	391.9	393.9	395.9	398.0
117.5°	371.1	368.6	365.9	363.4	360.8	358.3	355.7	353.2	352.8	352.4	352.0
120°	333.7	330.2	326.8	323.1	319.8	316.4	313.0	309.7	307.9	306.1	304.5
122.5°	288.9	285.3	282.0	278.5	275.0	271.7	268.4	265.1	263.9	262.7	261.5
125°	246.5	243.7	240.8	237.9	235.2	232.4	229.7	227.0	226.9	226.8	226.8
127.5°	212.5	210.7	209.1	207.3	205.6	204.0	202.5	200.9	201.6	202.4	203.1
130°	189.0	188.1	187.5	186.8	186.2	185.5	185.0	184.3	185.6	186.9	188.3
132.5°	175.0	175.0	174.9	174.8	174.8	174.9	174.9	175.0	176.5	177.9	179.5
135°	167.0	167.2	167.6	167.8	168.3	168.5	168.9	169.3	170.9	172.3	173.7
137.5°	163.2	163.5	164.0	164.5	164.9	165.4	166.0	166.5	167.7	168.8	170.0
140°	161.6	161.9	162.2	162.6	163.0	163.4	163.9	164.3	165.3	166.1	167.1
142.5°	160.2	160.4	160.8	161.1	161.6	161.9	162.3	162.7	163.4	164.0	164.8
145°	160.5	160.6	160.9	161.1	161.4	161.8	161.9	162.3	162.8	163.2	163.6
147.5°	159.4	159.5	159.7	159.9	160.2	160.4	160.6	160.7	161.0	161.3	161.6
150°	157.7	157.8	157.9	157.9	157.9	158.1	158.3	158.3	158.6	158.9	159.1
152.5°	154.6	154.7	154.7	154.7	154.8	155.0	155.0	155.1	155.3	155.6	155.8
155°	152.2	152.3	152.5	152.6	152.7	152.8	153.0	153.1	153.3	153.4	153.6
157.5°	150.8	150.9	151.1	151.2	151.4	151.4	151.5	151.7	151.9	152.0	152.1
160°	149.3	149.5	149.7	150.0	150.1	150.2	150.5	150.7	150.9	151.0	151.2
162.5°	149.3	149.4	149.6	149.7	149.8	150.0	150.1	150.2	150.5	150.7	150.8
165°	148.9	149.1	149.4	149.5	149.8	150.0	150.1	150.4	150.5	150.6	150.8
167.5°	149.7	149.9	150.1	150.2	150.5	150.7	150.9	151.1	151.2	151.3	151.4
170°	149.9	150.0	150.1	150.3	150.5	150.6	150.9	151.0	151.3	151.4	151.5
172.5°	151.1	151.1	151.3	151.4	151.5	151.6	151.8	152.0	152.2	152.4	152.4
175°	151.9	151.9	151.9	152.0	152.0	152.0	152.0	152.1	152.2	152.2	152.2
177.5°	152.2	152.2	152.3	152.4	152.5	152.5	152.6	152.7	152.7	152.7	152.7
180°	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9



TEST NUMBER: P1444858
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL12

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4
2.5°	9952.7	9953.1	9945.1	9944.7	9937.2	9936.2	9928.9	9926.7	9920.7	9918.6	9912.4
5°	10254.6	10244.9	10222.3	10209.0	10186.6	10171.8	10147.7	10131.9	10108.6	10091.0	10067.5
7.5°	10560.0	10544.9	10519.5	10498.9	10468.0	10443.2	10407.0	10377.3	10338.0	10304.0	10262.7
10°	10649.6	10647.3	10640.8	10631.4	10617.0	10600.8	10576.1	10550.4	10516.0	10478.5	10432.7
12.5°	10429.2	10453.0	10485.5	10504.7	10528.1	10538.4	10548.0	10545.5	10539.2	10520.4	10493.9
15°	9871.0	9937.8	10026.3	10095.0	10174.0	10231.3	10294.7	10334.2	10373.6	10391.8	10402.9
17.5°	8982.9	9109.5	9268.3	9399.8	9551.7	9673.7	9807.3	9907.9	10011.4	10085.5	10152.5
20°	7842.2	8025.6	8250.2	8448.5	8679.2	8879.6	9099.4	9279.7	9465.6	9611.0	9748.7
22.5°	6604.9	6822.8	7094.2	7345.7	7643.1	7910.3	8211.9	8474.3	8748.3	8977.2	9198.5
25°	5388.2	5627.1	5923.9	6204.5	6541.3	6852.2	7209.8	7536.9	7891.1	8198.5	8502.2
27.5°	4277.2	4511.8	4814.9	5113.5	5469.6	5800.8	6184.0	6544.4	6947.6	7319.5	7699.8
30°	3364.0	3563.0	3834.7	4124.1	4475.3	4812.3	5199.7	5570.2	5989.7	6395.7	6824.2
32.5°	2665.3	2816.8	3030.5	3275.0	3599.1	3920.0	4288.8	4646.6	5059.7	5469.8	5915.5
35°	2116.7	2234.9	2397.8	2588.7	2863.2	3139.8	3466.0	3791.2	4176.6	4565.9	4999.0
37.5°	1669.2	1765.0	1892.6	2036.1	2256.2	2483.1	2750.6	3020.4	3355.2	3700.2	4092.7
40°	1303.4	1381.0	1480.4	1587.3	1753.5	1928.5	2135.3	2344.4	2613.5	2895.5	3220.3
42.5°	1023.9	1081.2	1151.4	1229.5	1384.6	1477.5	1617.8	1769.0	1966.8	2171.5	2415.8
45°	822.3	861.4	910.1	962.5	1034.5	1113.2	1209.2	1310.1	1497.9	1590.1	1738.7
47.5°	686.7	712.9	743.9	776.9	819.4	865.2	922.1	980.4	1055.8	1133.8	1225.3
50°	595.4	622.0	632.7	649.8	674.4	700.6	732.7	764.8	805.2	846.1	893.3
52.5°	527.6	536.3	547.9	558.8	573.9	603.7	613.4	630.1	652.8	675.0	699.7
55°	475.8	481.5	489.0	495.6	504.8	513.6	526.3	537.5	552.5	565.9	582.4
57.5°	435.6	439.2	444.4	448.7	454.6	459.6	467.1	473.1	481.8	489.4	499.3
60°	406.3	408.7	412.2	415.0	418.8	421.4	425.1	427.9	432.5	436.3	441.9
62.5°	382.3	383.6	386.0	387.5	389.9	391.2	393.2	394.5	397.0	399.0	402.0
65°	353.7	354.0	355.5	356.2	358.1	358.8	360.4	361.0	363.1	364.5	367.2
67.5°	330.2	329.6	329.6	329.0	329.3	328.7	328.9	328.3	329.1	329.6	331.6
70°	308.7	307.8	307.5	306.5	306.2	305.2	304.9	304.0	303.9	303.6	304.4
72.5°	287.8	287.6	287.7	286.9	286.8	286.2	286.2	285.8	286.3	286.4	287.4
75°	263.8	263.8	264.3	263.7	263.9	263.3	263.5	262.9	263.2	263.1	264.1
77.5°	234.5	235.2	236.5	236.2	236.6	235.9	236.2	235.4	235.7	235.2	235.5
80°	201.5	203.0	204.7	204.7	205.4	204.9	205.5	204.9	205.1	204.2	204.0
82.5°	162.5	163.7	165.6	165.6	167.2	167.5	169.3	169.2	170.3	169.7	169.1
85°	111.0	111.9	113.5	114.4	116.0	117.1	118.7	119.5	118.2	120.5	118.7
87.5°	58.0	60.1	58.9	61.8	61.1	63.9	63.4	66.0	65.4	67.7	67.5
90°	27.9	28.5	30.7	31.3	33.9	34.9	35.6	34.5	35.0	33.9	34.6
92.5°	28.0	30.0	32.0	33.9	35.9	37.8	36.0	34.2	32.4	30.6	28.8
95°	38.0	40.9	43.7	46.5	49.3	52.2	49.2	46.1	43.0	40.0	37.0
97.5°	44.7	47.7	50.7	53.8	56.9	59.9	56.3	52.7	49.1	45.5	42.0
100°	63.1	68.9	74.9	80.7	86.8	92.6	85.9	79.2	72.6	65.8	59.1
102.5°	126.9	140.5	154.0	167.6	181.1	194.6	180.3	166.1	151.9	137.6	123.3
105°	236.9	258.7	280.3	302.0	323.6	345.4	322.3	299.2	275.9	252.9	229.8
107.5°	349.3	370.3	391.6	412.6	433.8	455.0	431.6	408.1	384.7	361.2	337.8
110°	413.8	426.5	439.2	451.9	464.6	477.5	460.4	443.3	426.2	409.0	391.8



TEST NUMBER: P1444858
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL12

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	426.2	432.6	438.9	445.4	451.7	458.1	445.9	433.7	421.4	409.2	397.0
115°	400.1	402.0	404.1	406.2	408.3	410.3	402.0	393.8	385.5	377.3	369.0
117.5°	351.7	351.5	351.1	350.8	350.4	350.1	345.4	340.9	336.2	331.6	326.9
120°	302.8	301.1	299.5	297.8	296.0	294.3	292.4	290.4	288.5	286.5	284.4
122.5°	260.2	259.2	258.0	256.8	255.6	254.4	253.6	252.9	252.2	251.3	250.6
125°	226.8	226.8	226.7	226.6	226.6	226.5	226.1	225.7	225.4	224.9	224.5
127.5°	203.8	204.6	205.3	206.1	206.8	207.5	207.3	207.3	207.2	207.1	206.9
130°	189.6	190.9	192.2	193.5	194.7	196.0	195.9	195.7	195.3	195.1	194.9
132.5°	181.1	182.5	184.0	185.5	186.9	188.4	188.1	187.9	187.5	187.3	187.0
135°	175.1	176.6	178.0	179.5	180.8	182.2	181.8	181.5	181.1	180.8	180.4
137.5°	171.1	172.3	173.3	174.4	175.5	176.6	176.2	175.9	175.5	175.1	174.9
140°	168.0	168.8	169.7	170.7	171.4	172.4	171.9	171.4	171.0	170.5	170.0
142.5°	165.4	166.1	166.7	167.4	168.0	168.7	168.1	167.4	166.8	166.2	165.6
145°	164.1	164.5	164.9	165.4	165.8	166.2	165.4	164.7	164.0	163.2	162.5
147.5°	161.9	162.1	162.3	162.5	162.7	163.1	162.3	161.6	160.9	160.2	159.4
150°	159.3	159.6	159.8	159.9	160.2	160.4	159.6	158.9	158.1	157.4	156.7
152.5°	156.0	156.3	156.5	156.6	156.7	156.9	156.3	155.6	154.9	154.1	153.5
155°	153.7	153.9	154.0	154.0	154.1	154.2	153.6	153.1	152.6	151.9	151.4
157.5°	152.2	152.4	152.5	152.6	152.7	152.7	152.3	151.8	151.4	151.0	150.4
160°	151.3	151.4	151.4	151.5	151.6	151.7	151.3	151.0	150.6	150.2	149.8
162.5°	151.0	151.3	151.4	151.4	151.7	151.8	151.4	151.1	150.5	150.1	149.6
165°	150.9	151.0	151.1	151.2	151.3	151.4	151.0	150.7	150.4	150.1	149.8
167.5°	151.5	151.6	151.7	151.8	151.8	151.9	151.6	151.4	151.1	150.7	150.4
170°	151.7	151.9	152.1	152.1	152.3	152.4	152.2	151.9	151.6	151.4	151.2
172.5°	152.6	152.7	152.8	152.9	153.0	153.2	152.9	152.7	152.4	152.1	151.8
175°	152.2	152.3	152.4	152.4	152.4	152.4	152.2	152.0	151.7	151.5	151.4
177.5°	152.7	152.7	152.7	152.7	152.7	152.7	152.6	152.4	152.3	152.1	151.9
180°	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9



TEST NUMBER: P1444858
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL12

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4
2.5°	9910.3	9906.0	9903.2	9899.7	9897.6	9894.8	9892.8	9891.1	9889.7	9888.4	9887.4
5°	10049.7	10027.6	10010.4	9991.7	9976.5	9961.1	9949.4	9939.7	9933.0	9927.9	9924.9
7.5°	10227.1	10186.5	10150.5	10112.5	10078.5	10045.0	10016.2	9991.3	9972.6	9960.6	9953.3
10°	10385.5	10331.3	10277.6	10221.1	10167.5	10115.5	10067.5	10025.3	9992.0	9969.8	9956.8
12.5°	10456.5	10410.3	10355.5	10294.1	10228.5	10162.1	10097.3	10038.9	9989.9	9957.0	9938.0
15°	10394.0	10375.0	10337.8	10290.2	10227.9	10159.2	10083.2	10011.7	9946.0	9903.3	9878.6
17.5°	10190.5	10217.0	10214.2	10196.0	10151.1	10093.3	10015.8	9935.6	9853.3	9796.4	9765.3
20°	9847.1	9930.5	9972.6	9994.4	9976.7	9939.3	9869.1	9787.7	9691.9	9617.4	9572.0
22.5°	9364.5	9511.6	9603.3	9670.3	9684.5	9671.8	9609.8	9532.3	9425.5	9336.1	9269.0
25°	8743.3	8958.8	9103.6	9217.2	9261.3	9272.6	9220.0	9142.9	9023.8	8919.7	8827.5
27.5°	8011.7	8291.6	8484.9	8637.5	8706.4	8736.3	8687.8	8609.2	8468.2	8343.9	8223.6
30°	7187.9	7520.1	7752.9	7935.8	8019.7	8059.2	8007.7	7920.0	7756.0	7606.3	7454.7
32.5°	6306.2	6669.6	6923.4	7122.0	7205.2	7242.4	7174.9	7076.4	6886.9	6710.6	6533.8
35°	5383.1	5749.9	6005.8	6199.2	6268.9	6291.3	6205.1	6091.2	5881.2	5687.8	5495.0
37.5°	4441.2	4782.5	5015.1	5188.5	5231.7	5235.6	5131.7	5005.9	4785.2	4594.5	4402.6
40°	3507.4	3795.2	3983.0	4121.9	4136.9	4123.5	4010.6	3884.0	3677.5	3506.7	3338.2
42.5°	2627.8	2845.1	2979.1	3074.3	3068.6	3042.2	2938.7	2829.8	2659.5	2529.3	2396.8
45°	1874.3	2017.6	2095.9	2151.6	2133.7	2108.5	2028.0	1951.7	1835.9	1751.8	1662.8
47.5°	1302.2	1473.2	1443.4	1552.4	1458.5	1520.5	1391.4	1320.3	1258.9	1214.2	1163.8
50°	932.2	971.4	990.3	1003.3	996.4	986.9	963.7	943.0	914.9	894.5	870.6
52.5°	719.9	739.5	750.3	758.1	756.5	753.0	742.9	733.7	720.5	711.9	701.5
55°	609.8	610.1	629.8	621.4	633.8	619.3	625.0	608.8	611.4	597.4	588.0
57.5°	506.7	514.7	518.4	521.9	520.9	520.3	516.4	514.4	510.0	508.6	505.4
60°	445.7	450.0	450.8	452.4	451.1	450.5	447.5	446.3	443.5	442.9	440.8
62.5°	403.9	406.0	406.0	406.0	404.4	402.6	399.2	397.5	395.0	394.4	393.2
65°	369.0	371.3	371.6	372.1	370.8	369.5	366.5	364.6	362.0	361.0	359.6
67.5°	333.0	335.3	336.2	337.4	336.6	336.3	334.3	333.6	331.9	331.4	330.2
70°	304.7	305.7	305.6	305.6	304.0	302.5	300.2	299.1	297.2	296.9	295.7
72.5°	287.8	288.6	288.1	287.5	285.4	283.3	280.5	278.5	276.1	274.7	273.1
75°	264.1	265.1	264.5	264.1	262.3	260.9	258.7	257.6	255.9	255.4	254.3
77.5°	235.1	235.5	234.6	234.5	233.0	232.2	230.5	230.2	229.0	229.0	227.9
80°	202.7	202.5	201.0	200.6	199.2	198.8	197.5	197.6	196.7	197.1	196.3
82.5°	166.8	165.8	163.9	163.3	161.7	161.5	160.6	161.4	160.7	161.7	161.1
85°	119.6	119.8	118.9	118.9	118.5	118.6	118.6	119.0	119.1	119.9	119.9
87.5°	66.6	67.6	67.5	68.3	68.3	69.2	69.6	71.0	71.2	72.6	72.6
90°	33.4	34.2	33.1	33.9	33.4	34.6	34.4	35.6	35.1	36.1	35.4
92.5°	26.9	25.2	23.3	21.6	20.6	19.7	19.0	17.8	17.1	16.1	15.1
95°	33.9	30.8	27.8	24.7	23.7	22.7	21.6	20.6	19.5	18.5	17.5
97.5°	38.4	34.7	31.1	27.5	26.6	25.7	24.7	23.8	22.9	22.0	21.1
100°	52.3	45.6	38.8	32.1	31.4	30.7	29.8	29.1	28.3	27.5	26.7
102.5°	109.1	94.9	80.6	66.2	63.6	60.9	58.2	55.4	52.6	49.9	47.2
105°	206.7	183.5	160.4	137.2	129.9	122.6	115.2	107.9	100.4	93.1	85.8
107.5°	314.3	290.8	267.4	243.9	230.3	216.7	203.1	189.5	175.9	162.3	148.8
110°	374.7	357.5	340.4	323.2	312.4	301.4	290.4	279.5	268.6	257.6	246.7



TEST NUMBER: P1444858
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL12

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	384.7	372.4	360.1	347.8	342.8	337.9	333.0	328.0	323.1	318.0	313.0
115°	360.7	352.4	344.1	335.7	334.0	332.3	330.6	328.8	327.0	325.2	323.4
117.5°	322.3	317.6	312.9	308.3	308.5	308.7	309.1	309.4	309.6	309.8	310.0
120°	282.5	280.5	278.5	276.5	278.0	279.5	281.1	282.5	283.9	285.3	286.7
122.5°	249.7	249.0	248.2	247.3	249.2	251.0	252.8	254.6	256.2	257.9	259.6
125°	224.1	223.7	223.3	222.8	224.7	226.5	228.4	230.0	231.8	233.5	235.2
127.5°	206.8	206.7	206.6	206.4	207.8	209.1	210.4	211.6	212.8	213.9	215.1
130°	194.7	194.4	194.2	194.0	195.1	196.3	197.4	198.6	199.7	200.7	201.6
132.5°	186.8	186.4	186.1	185.8	186.7	187.5	188.3	189.0	189.8	190.5	191.0
135°	180.1	179.7	179.3	178.9	179.7	180.5	181.3	181.9	182.6	183.1	183.8
137.5°	174.5	174.0	173.7	173.3	174.0	174.7	175.4	176.0	176.5	177.1	177.6
140°	169.6	169.1	168.6	168.2	168.7	169.4	169.9	170.6	171.0	171.5	172.0
142.5°	164.9	164.2	163.7	163.0	163.4	163.9	164.3	164.6	165.1	165.4	165.7
145°	161.8	161.0	160.3	159.5	159.8	160.1	160.6	160.8	161.1	161.3	161.6
147.5°	158.8	158.0	157.3	156.6	156.9	157.1	157.4	157.5	157.9	157.9	158.1
150°	155.9	155.2	154.4	153.6	153.9	154.0	154.2	154.4	154.6	154.7	154.9
152.5°	152.7	152.0	151.3	150.5	150.7	150.8	151.0	151.1	151.3	151.4	151.4
155°	150.7	150.1	149.5	148.8	148.9	149.1	149.2	149.3	149.3	149.5	149.5
157.5°	150.0	149.4	148.9	148.4	148.5	148.5	148.5	148.4	148.5	148.5	148.4
160°	149.4	148.9	148.6	148.0	148.0	148.1	148.0	148.0	148.0	147.9	147.8
162.5°	149.1	148.6	148.1	147.6	147.6	147.6	147.6	147.5	147.5	147.5	147.4
165°	149.4	149.1	148.8	148.3	148.3	148.2	148.2	148.0	147.9	147.8	147.6
167.5°	150.1	149.7	149.4	148.9	149.0	148.9	148.9	148.9	148.9	148.8	148.8
170°	150.9	150.5	150.2	150.0	149.9	149.9	149.8	149.7	149.6	149.5	149.4
172.5°	151.5	151.3	151.0	150.6	150.6	150.5	150.5	150.4	150.3	150.2	150.2
175°	151.2	150.9	150.6	150.4	150.3	150.3	150.3	150.2	150.1	150.1	150.1
177.5°	151.7	151.6	151.4	151.4	151.3	151.3	151.3	151.2	151.2	151.2	151.2
180°	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9	151.9



TEST NUMBER: P1444858
CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL12

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	9848.4	9848.4
2.5°	9886.6	9886.1
5°	9923.3	9922.8
7.5°	9951.3	9951.1
10°	9954.6	9956.3
12.5°	9934.7	9936.1
15°	9876.8	9879.5
17.5°	9765.8	9769.4
20°	9574.8	9578.5
22.5°	9265.4	9267.0
25°	8815.6	8809.3
27.5°	8202.5	8191.4
30°	7423.0	7412.3
32.5°	6493.6	6486.9
35°	5447.4	5443.2
37.5°	4345.9	4337.4
40°	3276.6	3251.7
42.5°	2338.8	2295.1
45°	1616.3	1564.5
47.5°	1128.3	1096.4
50°	855.2	844.9
52.5°	696.9	694.5
55°	588.0	586.9
57.5°	506.2	505.8
60°	441.9	441.8
62.5°	393.9	394.1
65°	360.2	360.3
67.5°	330.5	330.3
70°	296.2	295.9
72.5°	272.5	272.1
75°	254.3	254.0
77.5°	228.3	227.9
80°	196.8	196.3
82.5°	161.9	161.3
85°	120.8	120.8
87.5°	73.9	73.9
90°	36.3	35.4
92.5°	14.4	13.6
95°	16.4	15.4
97.5°	20.3	19.3
100°	25.9	25.2
102.5°	44.5	41.8
105°	78.4	71.1
107.5°	135.1	121.5
110°	235.7	224.8



TEST NUMBER: P1444858
CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL12

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	308.1	303.1
115°	321.6	319.8
117.5°	310.2	310.4
120°	288.0	289.4
122.5°	261.3	262.8
125°	236.7	238.4
127.5°	216.1	217.1
130°	202.5	203.4
132.5°	191.7	192.1
135°	184.2	184.7
137.5°	178.0	178.4
140°	172.3	172.6
142.5°	165.9	166.1
145°	161.8	161.9
147.5°	158.0	158.2
150°	154.9	155.0
152.5°	151.4	151.5
155°	149.5	149.5
157.5°	148.3	148.2
160°	147.7	147.7
162.5°	147.4	147.3
165°	147.5	147.4
167.5°	148.7	148.7
170°	149.3	149.2
172.5°	150.1	150.1
175°	150.1	150.1
177.5°	151.2	151.1
180°	151.9	151.9

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-8

Test Date: 08/04/2025

Luminaire Tested: EHBR-60-L950-N

Data in this report applies to families of products including EHBR-60-L950-N

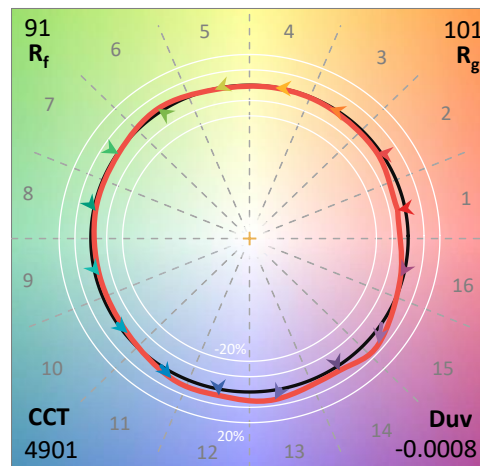
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-8
 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-L950-N**
 Description: Elevate Round Highbay at, 60000 lumens, 5000K 90CRI LEDs with N lens

Spectral Parameters

CCT (K): 4901
 CIE u': 0.2131
 CIE v': 0.4853
 Duv: -0.0008
 CIE x: 0.3477
 CIE y: 0.3520
 CIE z: 0.3003
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 574
 Purity: 9.953987
 Rf: 90.7
 Rg: 100.5

CRI (Ra):	94.3		
R1:	95.8	R9:	72.3
R2:	96.5	R10:	89.1
R3:	94.4	R11:	94.9
R4:	95.3	R12:	68.4
R5:	94.1	R13:	96.4
R6:	92.5	R14:	96.4
R7:	95.5	R15:	93.9
R8:	90.1		



Test Conditions

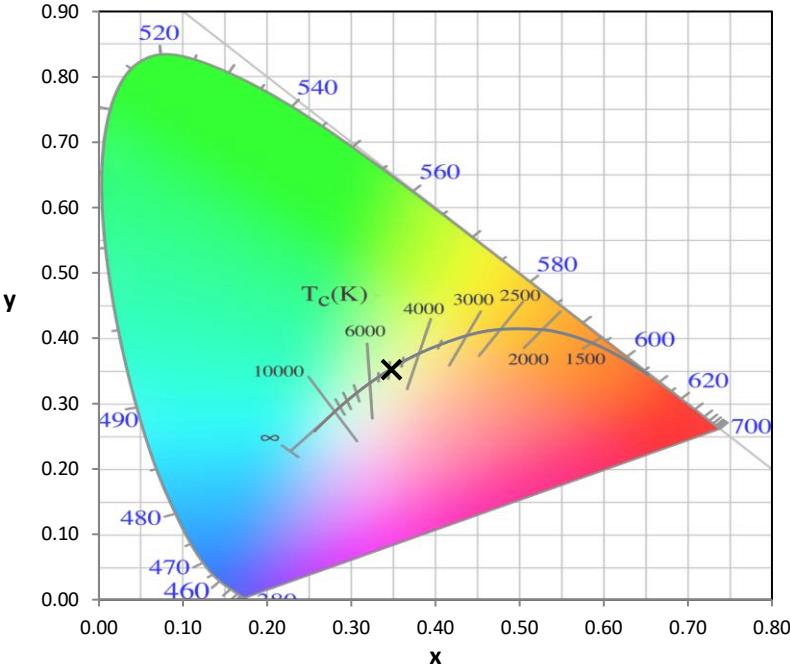
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-8

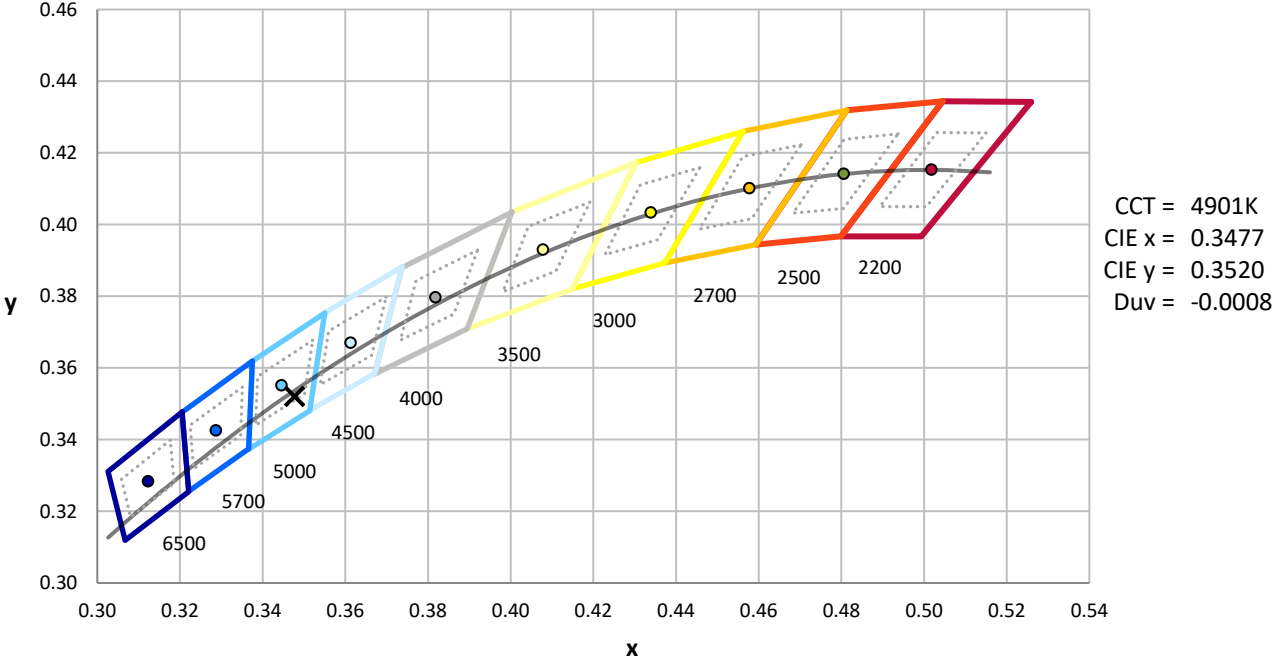
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208	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: SP1-2506-472-8

CIE 1931 Chromaticity Diagram



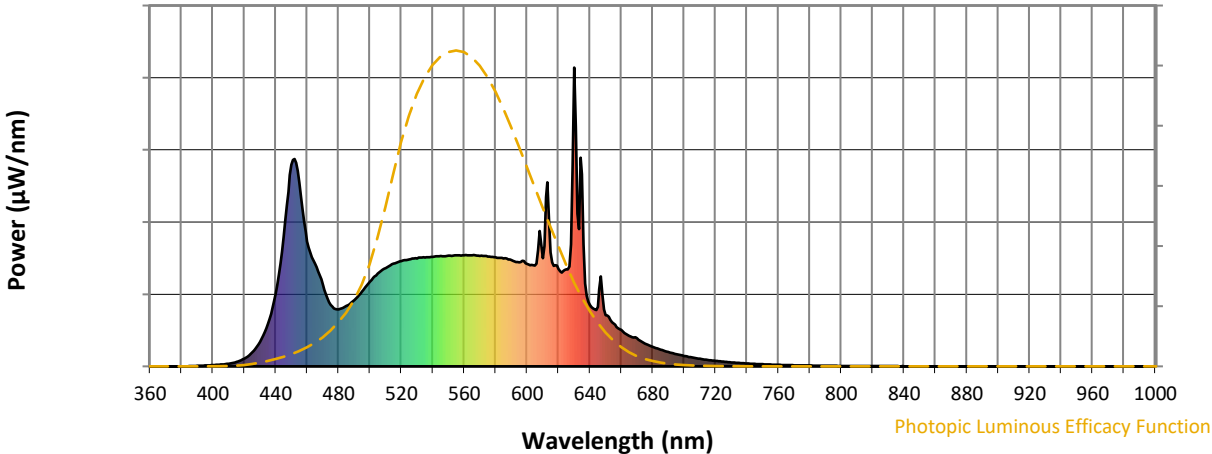
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-8

Photopic Flux vs. Wavelength

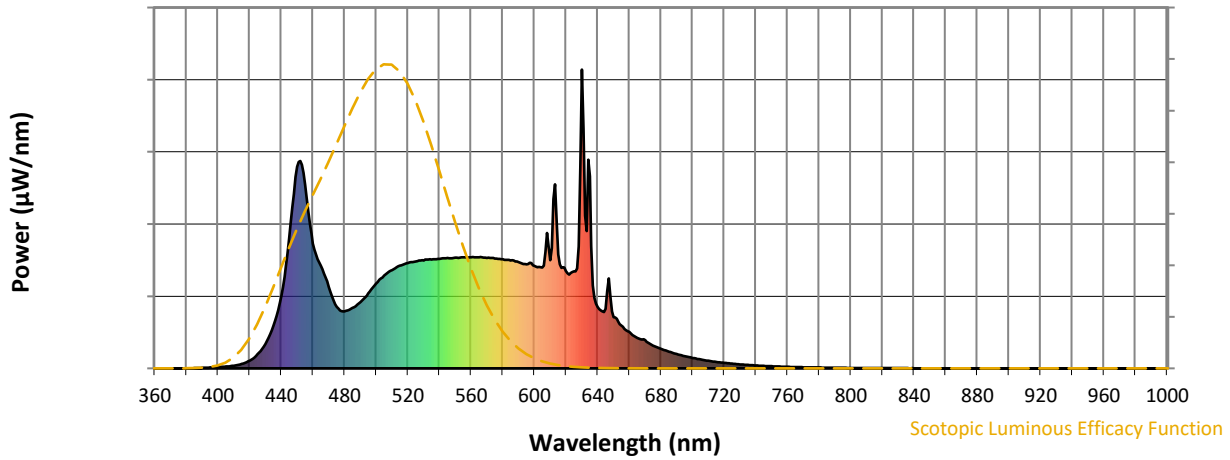


Photopic Lumens: NR

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	221	NR	620	326	NR	750	7	NR	880	0	NR
365	0	NR	495	250	NR	625	325	NR	755	6	NR	885	0	NR
370	0	NR	500	284	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	311	NR	635	643	NR	765	4	NR	895	0	NR
380	0	NR	510	329	NR	640	206	NR	770	4	NR	900	0	NR
385	1	NR	515	344	NR	645	199	NR	775	3	NR	905	0	NR
390	2	NR	520	353	NR	650	172	NR	780	3	NR	910	0	NR
395	3	NR	525	357	NR	655	143	NR	785	2	NR	915	0	NR
400	5	NR	530	362	NR	660	122	NR	790	2	NR	920	0	NR
405	6	NR	535	365	NR	665	102	NR	795	2	NR	925	0	NR
410	9	NR	540	367	NR	670	94	NR	800	2	NR	930	0	NR
415	15	NR	545	369	NR	675	76	NR	805	1	NR	935	0	NR
420	26	NR	550	370	NR	680	65	NR	810	1	NR	940	0	NR
425	47	NR	555	372	NR	685	56	NR	815	1	NR	945	0	NR
430	81	NR	560	372	NR	690	48	NR	820	1	NR	950	0	NR
435	143	NR	565	371	NR	695	41	NR	825	1	NR	955	0	NR
440	243	NR	570	370	NR	700	35	NR	830	1	NR	960	0	NR
445	434	NR	575	367	NR	705	30	NR	835	1	NR	965	0	NR
450	675	NR	580	365	NR	710	25	NR	840	1	NR	970	0	NR
455	615	NR	585	361	NR	715	22	NR	845	0	NR	975	0	NR
460	418	NR	590	356	NR	720	19	NR	850	0	NR	980	0	NR
465	344	NR	595	348	NR	725	16	NR	855	0	NR	985	0	NR
470	272	NR	600	343	NR	730	13	NR	860	0	NR	990	0	NR
475	206	NR	605	337	NR	735	11	NR	865	0	NR	995	0	NR
480	190	NR	610	362	NR	740	10	NR	870	0	NR	1000	0	NR
485	202	NR	615	381	NR	745	8	NR	875	0	NR			

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Scotopic Flux vs. Wavelength



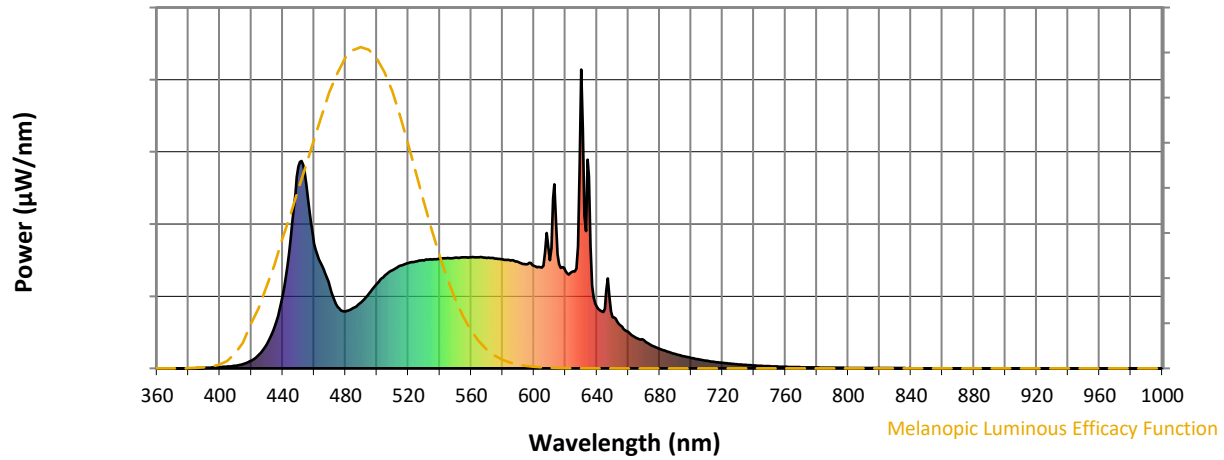
Scotopic Lumens: NR

S/P: 2.04

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	221	NR	620	326	NR	750	7	NR	880	0	NR
365	0	NR	495	250	NR	625	325	NR	755	6	NR	885	0	NR
370	0	NR	500	284	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	311	NR	635	643	NR	765	4	NR	895	0	NR
380	0	NR	510	329	NR	640	206	NR	770	4	NR	900	0	NR
385	1	NR	515	344	NR	645	199	NR	775	3	NR	905	0	NR
390	2	NR	520	353	NR	650	172	NR	780	3	NR	910	0	NR
395	3	NR	525	357	NR	655	143	NR	785	2	NR	915	0	NR
400	5	NR	530	362	NR	660	122	NR	790	2	NR	920	0	NR
405	6	NR	535	365	NR	665	102	NR	795	2	NR	925	0	NR
410	9	NR	540	367	NR	670	94	NR	800	2	NR	930	0	NR
415	15	NR	545	369	NR	675	76	NR	805	1	NR	935	0	NR
420	26	NR	550	370	NR	680	65	NR	810	1	NR	940	0	NR
425	47	NR	555	372	NR	685	56	NR	815	1	NR	945	0	NR
430	81	NR	560	372	NR	690	48	NR	820	1	NR	950	0	NR
435	143	NR	565	371	NR	695	41	NR	825	1	NR	955	0	NR
440	243	NR	570	370	NR	700	35	NR	830	1	NR	960	0	NR
445	434	NR	575	367	NR	705	30	NR	835	1	NR	965	0	NR
450	675	NR	580	365	NR	710	25	NR	840	1	NR	970	0	NR
455	615	NR	585	361	NR	715	22	NR	845	0	NR	975	0	NR
460	418	NR	590	356	NR	720	19	NR	850	0	NR	980	0	NR
465	344	NR	595	348	NR	725	16	NR	855	0	NR	985	0	NR
470	272	NR	600	343	NR	730	13	NR	860	0	NR	990	0	NR
475	206	NR	605	337	NR	735	11	NR	865	0	NR	995	0	NR
480	190	NR	610	362	NR	740	10	NR	870	0	NR	1000	0	NR
485	202	NR	615	381	NR	745	8	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



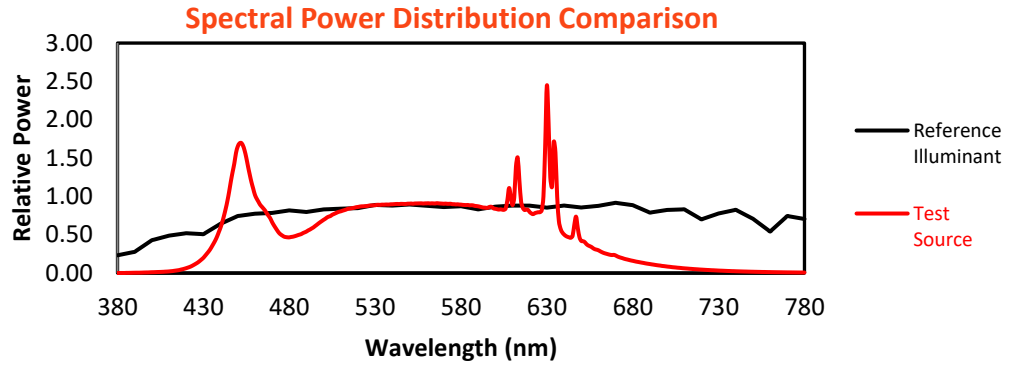
Melanopic Lumens: NR

M/P: 4.41

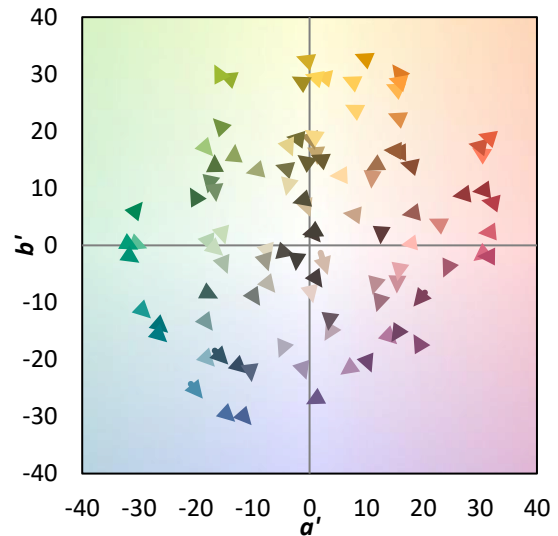
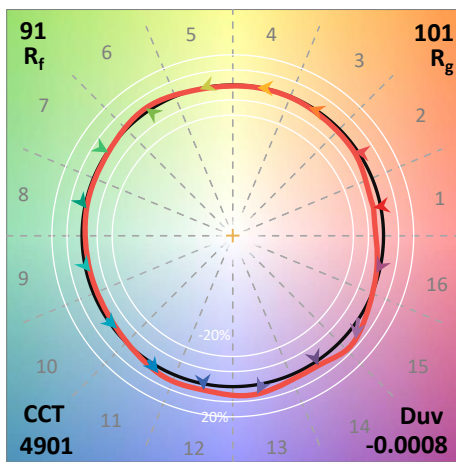
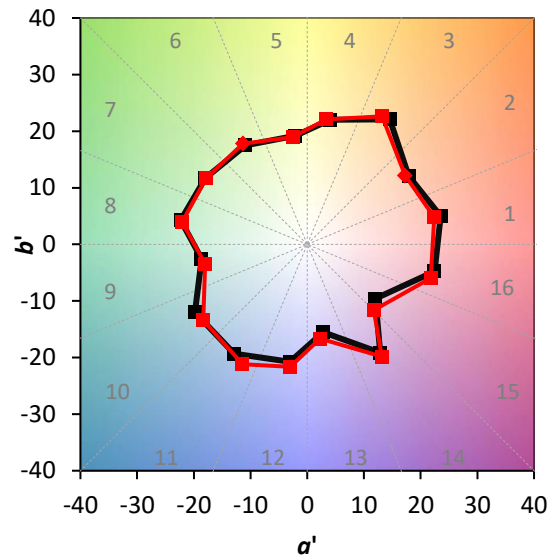
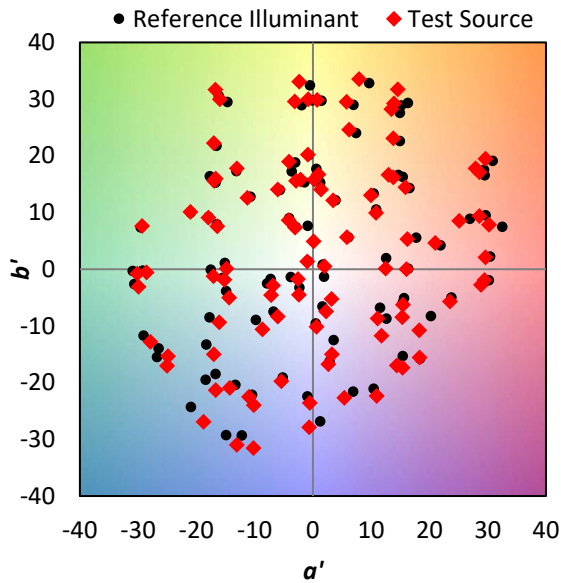
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	221	NR	620	326	NR	750	7	NR	880	0	NR
365	0	NR	495	250	NR	625	325	NR	755	6	NR	885	0	NR
370	0	NR	500	284	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	311	NR	635	643	NR	765	4	NR	895	0	NR
380	0	NR	510	329	NR	640	206	NR	770	4	NR	900	0	NR
385	1	NR	515	344	NR	645	199	NR	775	3	NR	905	0	NR
390	2	NR	520	353	NR	650	172	NR	780	3	NR	910	0	NR
395	3	NR	525	357	NR	655	143	NR	785	2	NR	915	0	NR
400	5	NR	530	362	NR	660	122	NR	790	2	NR	920	0	NR
405	6	NR	535	365	NR	665	102	NR	795	2	NR	925	0	NR
410	9	NR	540	367	NR	670	94	NR	800	2	NR	930	0	NR
415	15	NR	545	369	NR	675	76	NR	805	1	NR	935	0	NR
420	26	NR	550	370	NR	680	65	NR	810	1	NR	940	0	NR
425	47	NR	555	372	NR	685	56	NR	815	1	NR	945	0	NR
430	81	NR	560	372	NR	690	48	NR	820	1	NR	950	0	NR
435	143	NR	565	371	NR	695	41	NR	825	1	NR	955	0	NR
440	243	NR	570	370	NR	700	35	NR	830	1	NR	960	0	NR
445	434	NR	575	367	NR	705	30	NR	835	1	NR	965	0	NR
450	675	NR	580	365	NR	710	25	NR	840	1	NR	970	0	NR
455	615	NR	585	361	NR	715	22	NR	845	0	NR	975	0	NR
460	418	NR	590	356	NR	720	19	NR	850	0	NR	980	0	NR
465	344	NR	595	348	NR	725	16	NR	855	0	NR	985	0	NR
470	272	NR	600	343	NR	730	13	NR	860	0	NR	990	0	NR
475	206	NR	605	337	NR	735	11	NR	865	0	NR	995	0	NR
480	190	NR	610	362	NR	740	10	NR	870	0	NR	1000	0	NR
485	202	NR	615	381	NR	745	8	NR	875	0	NR			

Summary

$R_f = 90.7$
 $R_g = 100.5$
 CIE $R_a = 94.3$
 $R_9 = 72.3$

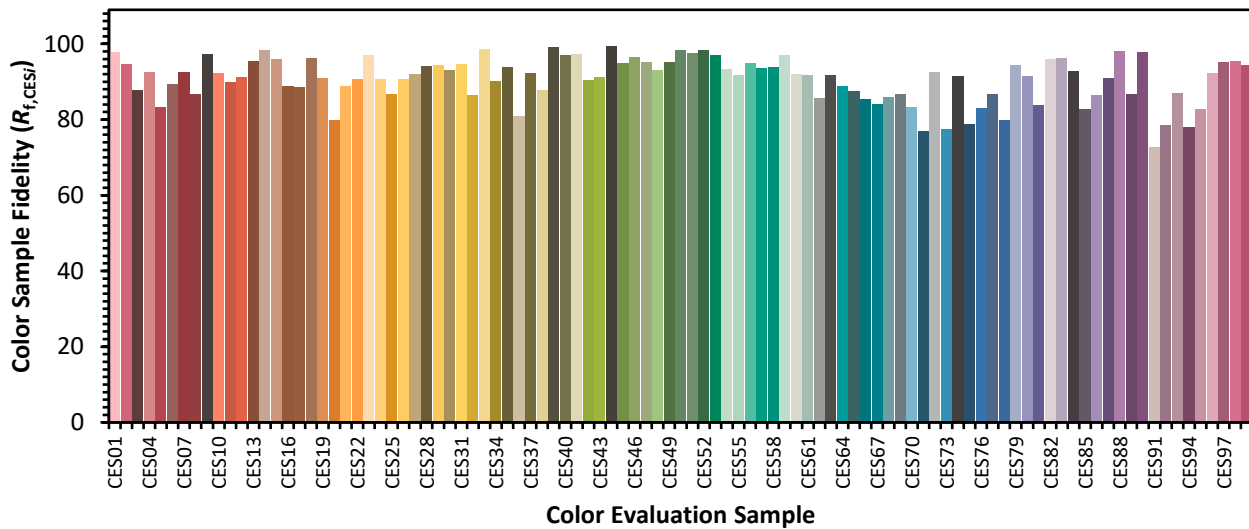


Color Vector Graphics

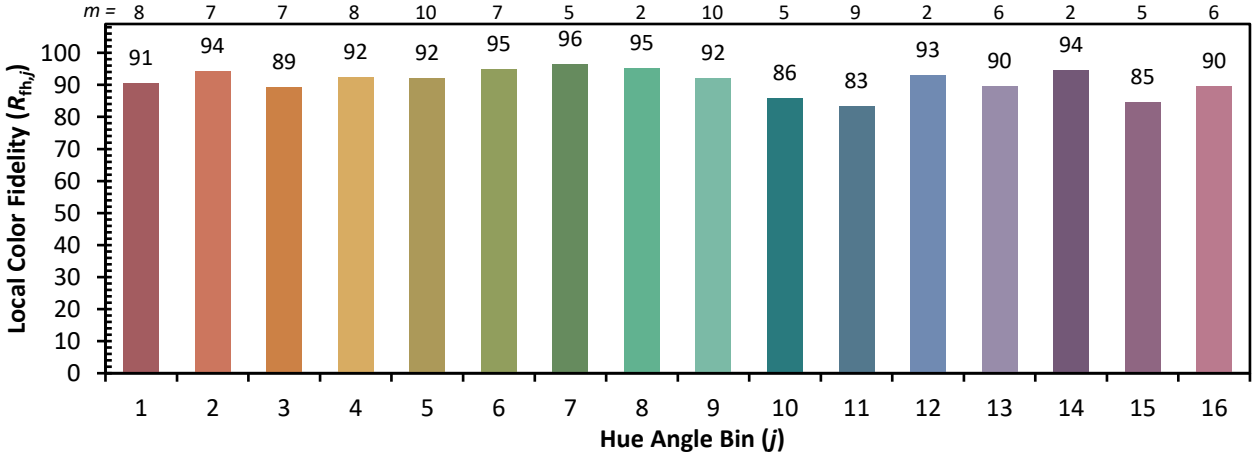
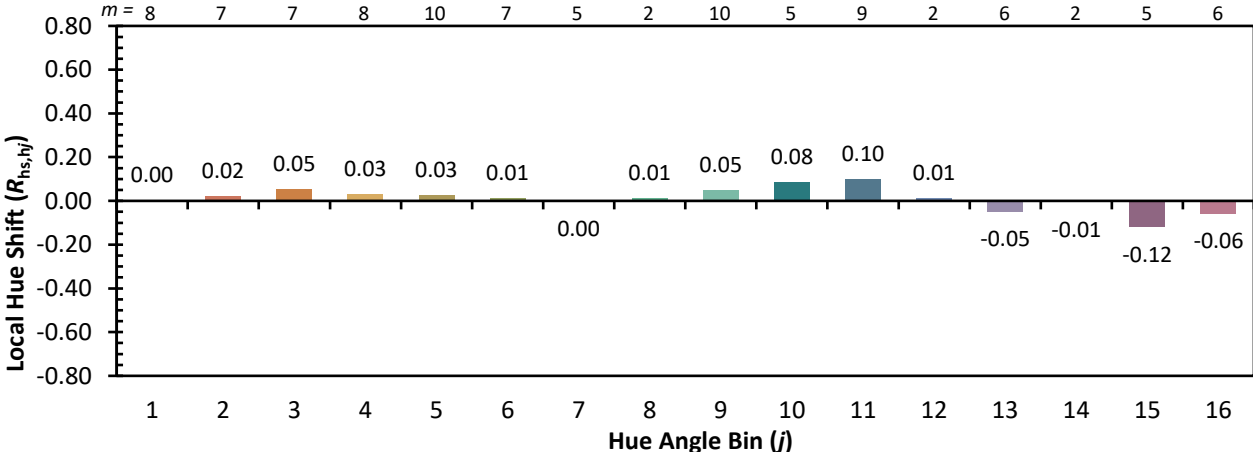
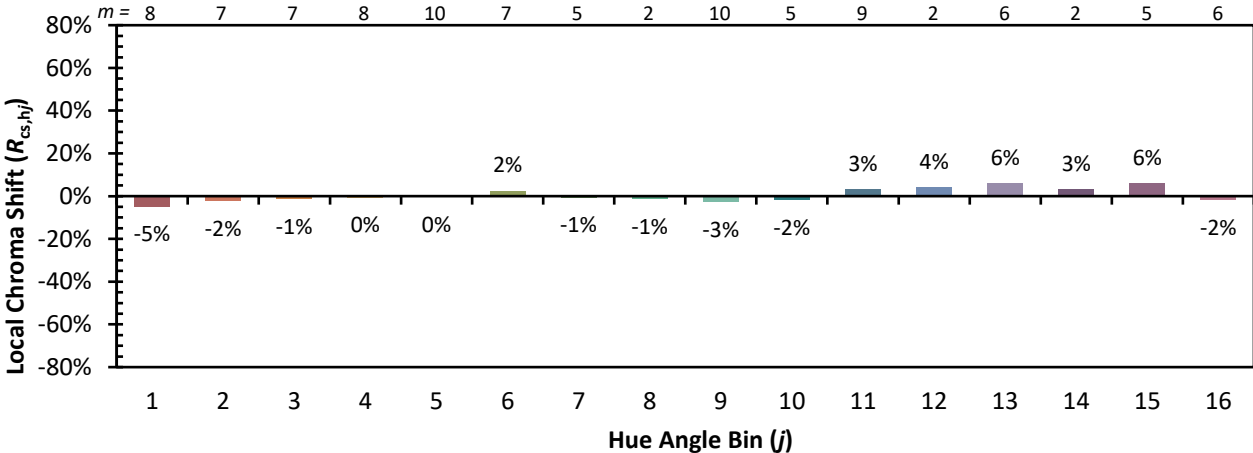


Individual Sample Fidelity Index ($R_{f,i}$)

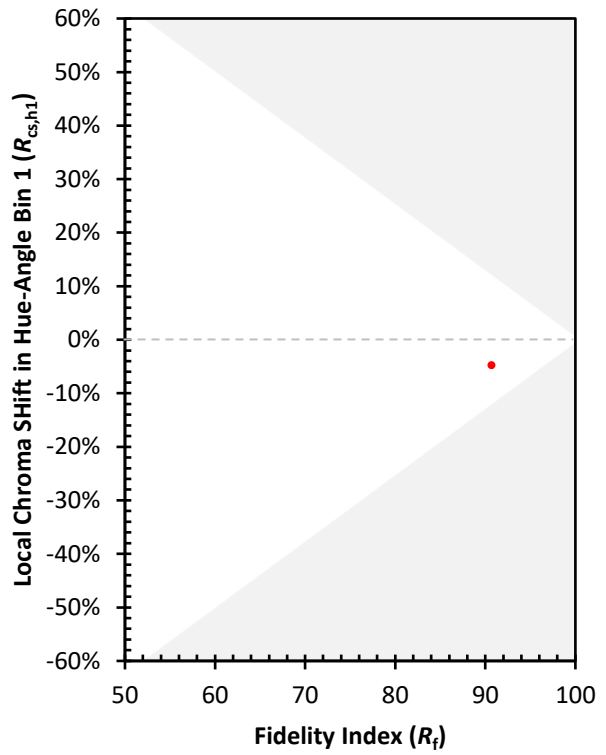
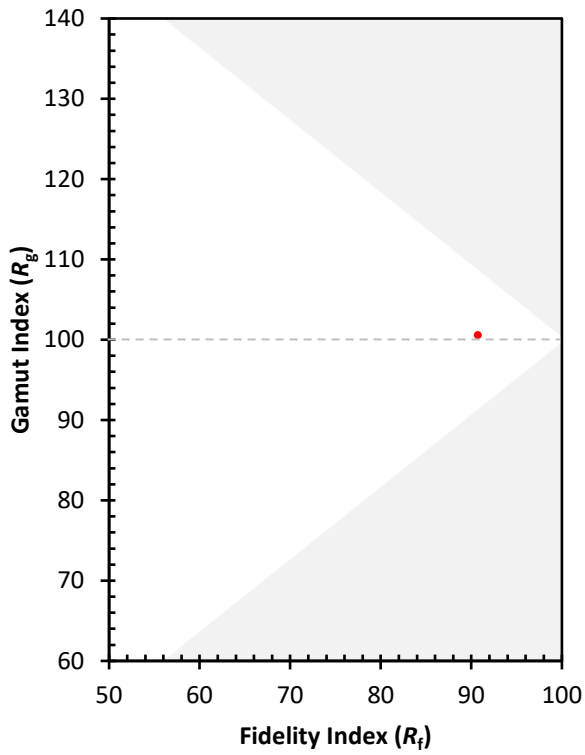
CES01 = 85	CES26 = 91	CES51 = 98	CES76 = 83
CES02 = 61	CES27 = 92	CES52 = 98	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 97	CES78 = 80
CES04 = 69	CES29 = 94	CES54 = 93	CES79 = 94
CES05 = 48	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 50	CES31 = 95	CES56 = 95	CES81 = 84
CES07 = 41	CES32 = 86	CES57 = 94	CES82 = 96
CES08 = 40	CES33 = 99	CES58 = 94	CES83 = 96
CES09 = 29	CES34 = 90	CES59 = 97	CES84 = 93
CES10 = 73	CES35 = 94	CES60 = 92	CES85 = 83
CES11 = 56	CES36 = 81	CES61 = 92	CES86 = 86
CES12 = 62	CES37 = 92	CES62 = 86	CES87 = 91
CES13 = 43	CES38 = 88	CES63 = 92	CES88 = 98
CES14 = 74	CES39 = 99	CES64 = 89	CES89 = 87
CES15 = 71	CES40 = 97	CES65 = 88	CES90 = 98
CES16 = 47	CES41 = 97	CES66 = 85	CES91 = 73
CES17 = 48	CES42 = 90	CES67 = 84	CES92 = 79
CES18 = 56	CES43 = 91	CES68 = 86	CES93 = 87
CES19 = 70	CES44 = 99	CES69 = 87	CES94 = 78
CES20 = 65	CES45 = 95	CES70 = 83	CES95 = 83
CES21 = 85	CES46 = 97	CES71 = 77	CES96 = 92
CES22 = 77	CES47 = 95	CES72 = 92	CES97 = 95
CES23 = 91	CES48 = 93	CES73 = 77	CES98 = 95
CES24 = 90	CES49 = 95	CES74 = 92	CES99 = 94
CES25 = 70	CES50 = 98	CES75 = 79	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)