

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: P1444861

Luminaire Tested: EHBR1-12-UNV-TA-L950-UPL24

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444861
REPORT IS A COMBINATION OF REPORTS P1444327 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-12-UNV-TA-L950-UPL24
Description: Elevate Round Highbay at, 12000 lumens, 5000K 90CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

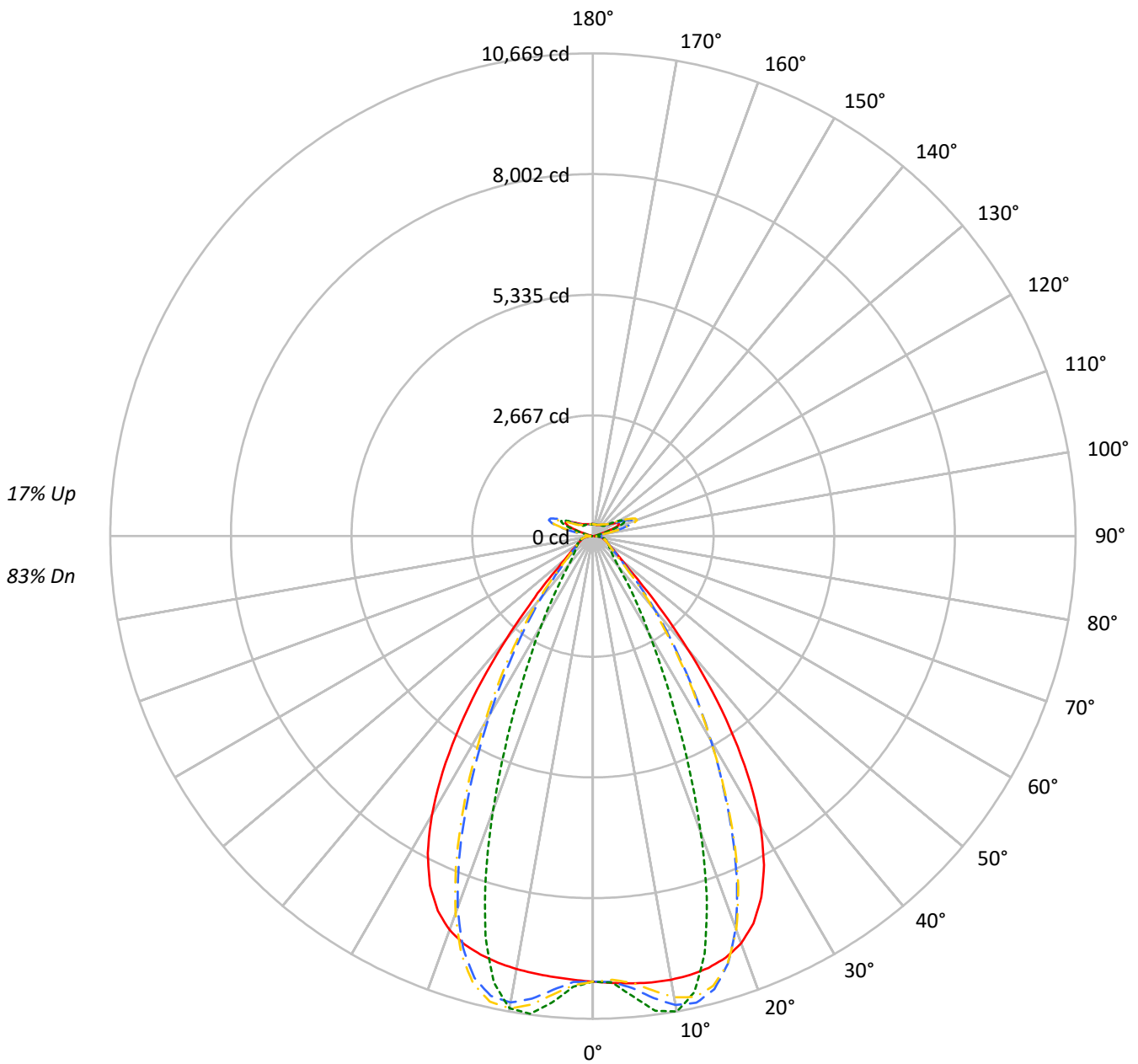
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13662.6 lumens
Efficiency: N/A
Efficacy: 168.3 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 0.77 / 0.88
Luminous Opening: Vertical Cylinder (Dia: 1.71' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 81.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1444861
CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL24

Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	115	115	115	115	110	110	110	110	102	102	102	94	94	94	86	86	86	86	86	86	83
1	108	104	101	98	103	100	98	95	93	91	89	86	85	83	80	79	78	80	79	78	75
2	101	95	90	86	97	92	87	83	85	82	79	80	77	75	75	73	71	75	73	71	68
3	94	87	81	76	91	84	78	74	79	74	71	74	70	68	70	67	64	70	67	64	62
4	89	80	73	68	85	77	71	67	73	68	64	69	65	62	65	62	59	65	62	59	57
5	83	73	67	62	80	71	65	61	68	62	58	64	60	56	61	57	54	61	57	54	52
6	78	68	61	56	76	66	60	55	63	58	54	60	55	52	57	53	50	57	53	50	48
7	74	63	56	52	71	62	55	51	59	53	49	56	52	48	54	50	47	54	50	47	45
8	70	59	52	48	67	58	51	47	55	50	46	53	48	45	50	46	43	50	46	43	42
9	66	55	49	44	64	54	48	44	52	46	43	50	45	42	48	44	41	48	44	41	39
10	63	52	45	41	61	51	45	41	49	43	40	47	42	39	45	41	38	45	41	38	37

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	7.1
10°-20°	2730.4	20.0
20°-30°	3109.7	22.8
30°-40°	2235.1	16.4
40°-50°	1030.8	7.5
50°-60°	493.3	3.6
60°-70°	359.9	2.6
70°-80°	273.4	2.0
80°-90°	128.4	0.9
90°-100°	63.5	0.5
100°-110°	397.0	2.9
110°-120°	734.0	5.4
120°-130°	440.7	3.2
130°-140°	272.5	2.0
140°-150°	193.6	1.4
150°-160°	129.3	0.9
160°-170°	75.3	0.6
170°-180°	25.2	0.2
0°-30°	6810.6	49.8
0°-40°	9045.7	66.2
0°-60°	10569.8	77.4
0°-90°	11331.6	82.9
90°-120°	1194.4	8.7
90°-150°	2101.3	15.4
90°-180°	2331.0	17.1
0°-180°	13662.6	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°	44	52	20	23	44	26
95°	29	33	29	33	29	28
105°	140	183	92	183	140	186
115°	637	779	667	779	637	587
125°	467	502	530	502	467	426
135°	352	322	380	323	352	275
145°	299	300	320	301	299	189
155°	270	275	289	276	270	126
165°	260	263	271	264	260	74
175°	261	265	267	265	261	25
180°	264	264	264	264	264	



TEST NUMBER: P1444861
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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°	43.7	46.3	47.7	50.5	51.8	54.4	55.7	58.5	59.9	62.8	65.3
92.5°	25.6	27.4	29.1	31.0	32.8	34.9	36.8	38.7	40.5	42.6	46.3
95°	29.3	31.4	33.4	35.6	37.6	39.8	41.8	43.9	46.0	48.1	54.3
97.5°	37.0	38.8	40.6	42.5	44.2	46.1	47.8	49.7	51.5	53.3	60.6
100°	48.6	50.2	51.7	53.2	54.7	56.3	57.8	59.4	60.9	62.4	76.0
102.5°	81.6	87.1	92.4	97.9	103.4	108.8	114.3	119.8	125.2	130.6	159.3
105°	139.9	154.6	169.5	184.2	199.0	213.8	228.6	243.3	258.1	272.9	319.5
107.5°	240.9	268.1	295.6	322.9	350.3	377.6	405.0	432.3	459.6	486.9	534.2
110°	447.7	469.7	491.7	513.7	535.7	557.7	579.8	601.7	623.7	645.7	680.2



TEST NUMBER: P1444861
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL24

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	604.4	614.3	624.4	634.3	644.3	654.4	664.3	674.3	684.3	694.2	718.9
115°	636.9	640.4	644.0	647.5	651.1	654.7	658.2	661.7	665.2	668.7	685.5
117.5°	616.8	616.3	615.8	615.4	614.7	614.2	613.7	613.1	612.6	612.0	621.6
120°	573.1	570.2	567.3	564.3	561.5	558.4	555.5	552.5	549.6	546.5	550.8
122.5°	518.1	514.6	511.2	507.7	504.1	500.6	497.1	493.5	489.9	486.4	488.2
125°	467.2	463.6	460.2	456.7	453.0	449.4	445.9	442.3	438.6	435.0	436.1
127.5°	422.5	420.1	417.7	415.2	412.8	410.2	407.7	405.2	402.8	400.2	400.6
130°	392.9	390.8	388.6	386.5	384.3	382.0	379.7	377.5	375.3	372.9	373.7
132.5°	368.4	367.0	365.6	364.0	362.5	360.9	359.5	357.7	356.2	354.6	355.4
135°	351.5	350.2	348.9	347.5	346.1	344.7	343.2	341.7	340.3	338.8	339.8
137.5°	336.9	335.8	334.6	333.4	332.1	330.8	329.5	328.2	326.8	325.5	326.3
140°	323.6	322.6	321.5	320.4	319.2	318.1	316.9	315.7	314.5	313.3	314.4
142.5°	308.9	308.2	307.4	306.5	305.8	304.7	303.8	302.9	302.0	301.0	302.4
145°	299.0	298.3	297.8	297.0	296.4	295.6	294.9	294.1	293.3	292.6	294.1
147.5°	290.3	289.8	289.3	288.8	288.3	287.7	287.1	286.4	285.9	285.2	286.6
150°	282.5	282.1	281.7	281.1	280.6	280.0	279.5	278.9	278.4	277.7	279.2
152.5°	274.7	274.3	273.9	273.3	272.9	272.3	271.9	271.2	270.7	270.1	271.3
155°	269.5	269.1	268.6	268.1	267.7	267.1	266.6	266.1	265.5	265.0	266.1
157.5°	265.7	265.4	265.2	264.7	264.4	264.0	263.7	263.2	262.9	262.6	263.3
160°	263.3	263.0	262.7	262.4	261.9	261.6	261.3	260.9	260.5	260.2	260.9
162.5°	261.0	260.6	260.3	260.0	259.7	259.2	258.9	258.6	258.3	257.8	258.7
165°	259.9	259.7	259.5	259.3	259.1	258.9	258.8	258.6	258.4	258.2	258.7
167.5°	261.2	260.8	260.6	260.2	260.0	259.7	259.4	259.0	258.9	258.4	259.0
170°	261.0	260.8	260.7	260.6	260.4	260.3	260.2	260.1	259.9	259.8	260.2
172.5°	261.8	261.6	261.5	261.5	261.4	261.3	261.2	261.1	261.0	260.9	261.4
175°	261.3	261.1	261.1	261.0	260.9	260.9	260.8	260.7	260.7	260.6	260.9
177.5°	262.8	262.8	262.8	262.8	262.8	262.8	262.7	262.6	262.6	262.6	262.8
180°	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4



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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°	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°	69.0	71.6	75.3	77.1	80.1	81.7	73.1	73.7	71.3	70.3	67.5
92.5°	50.0	53.6	57.3	61.0	64.8	68.5	71.0	74.3	70.5	66.5	62.8
95°	60.4	66.5	72.7	78.9	85.0	91.1	97.3	103.4	97.6	91.9	86.1
97.5°	67.8	75.1	82.3	89.7	96.9	104.2	111.4	118.6	112.5	106.3	100.2
100°	89.5	103.0	116.5	130.0	143.5	157.1	170.6	184.2	172.3	160.4	148.5
102.5°	188.1	216.8	245.5	274.2	302.9	331.6	360.4	389.1	361.9	334.6	307.4
105°	366.1	412.6	459.2	505.7	552.2	598.8	645.5	692.0	648.4	604.9	561.3
107.5°	581.4	628.6	675.8	723.0	770.3	817.5	864.9	912.2	869.7	827.2	784.8
110°	714.8	749.2	783.8	818.3	852.8	887.3	922.1	956.6	931.2	905.7	880.1



TEST NUMBER: P1444861
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL24

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	743.7	768.5	793.2	817.9	842.5	867.2	892.4	917.1	904.5	891.8	879.0
115°	702.3	719.0	735.8	752.5	769.3	785.9	803.0	819.9	815.9	812.0	808.1
117.5°	631.0	640.4	649.9	659.4	668.7	678.2	688.1	697.7	698.6	699.5	700.5
120°	554.9	559.0	563.1	567.3	571.3	575.5	580.1	584.4	588.1	591.8	595.5
122.5°	489.8	491.6	493.3	495.0	496.7	498.4	500.8	502.7	505.3	508.0	510.7
125°	437.1	438.1	439.1	440.1	441.0	442.1	443.8	445.0	445.5	445.8	446.3
127.5°	401.0	401.6	401.8	402.4	402.7	403.1	404.4	405.0	403.9	402.8	401.6
130°	374.3	375.0	375.6	376.4	377.0	377.7	379.3	380.2	378.0	375.6	373.4
132.5°	356.2	357.1	357.8	358.6	359.4	360.2	362.0	363.0	360.5	357.7	355.1
135°	340.6	341.6	342.5	343.5	344.3	345.4	347.4	348.6	346.1	343.5	341.0
137.5°	327.2	328.2	329.2	330.1	331.0	332.0	334.2	335.4	333.5	331.4	329.5
140°	315.4	316.5	317.6	318.8	319.8	321.0	323.3	324.7	323.3	321.7	320.2
142.5°	303.7	305.1	306.5	308.1	309.5	310.9	313.7	315.3	314.3	313.2	312.2
145°	295.5	297.1	298.6	300.3	301.8	303.4	306.4	308.4	307.8	307.2	306.5
147.5°	288.0	289.4	290.8	292.3	293.8	295.4	298.3	300.2	299.8	299.5	299.2
150°	280.5	282.0	283.4	284.9	286.4	287.9	291.3	293.2	292.9	292.7	292.4
152.5°	272.7	273.9	275.3	276.6	278.0	279.4	283.1	285.0	284.7	284.3	284.1
155°	267.0	268.1	269.2	270.3	271.3	272.5	276.1	277.9	277.8	277.7	277.5
157.5°	264.1	264.9	265.5	266.5	267.2	268.1	271.7	273.3	273.2	273.0	272.9
160°	261.5	262.1	262.8	263.4	264.1	264.8	268.4	269.8	269.7	269.5	269.4
162.5°	259.4	260.3	261.0	261.8	262.7	263.5	267.2	268.8	268.5	268.3	268.0
165°	259.2	259.7	260.2	260.8	261.4	261.9	265.3	266.5	266.4	266.3	266.2
167.5°	259.5	260.2	260.6	261.2	261.7	262.4	265.4	266.7	266.7	266.6	266.5
170°	260.6	261.1	261.5	262.0	262.5	263.0	265.6	266.6	266.5	266.2	266.0
172.5°	261.8	262.4	262.8	263.3	263.8	264.3	266.6	267.6	267.4	267.2	266.9
175°	261.4	261.6	262.1	262.5	262.8	263.2	265.1	265.7	265.6	265.6	265.5
177.5°	263.1	263.3	263.6	263.9	264.1	264.4	265.5	266.0	266.0	266.0	265.9
180°	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4



TEST NUMBER: P1444861
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL24

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°	66.1	63.4	62.6	60.6	60.4	58.5	58.5	56.8	57.0	55.9	56.6
92.5°	58.7	54.8	50.8	47.0	43.0	39.3	37.4	35.6	33.7	32.1	30.1
95°	80.5	74.7	69.0	63.3	57.6	51.8	49.7	47.7	45.5	43.5	41.3
97.5°	94.0	87.8	81.7	75.4	69.3	63.2	61.8	60.4	59.0	57.6	56.2
100°	136.6	124.8	112.9	100.9	89.1	77.2	76.1	75.0	73.9	72.7	71.6
102.5°	280.1	252.9	225.7	198.5	171.2	143.9	139.2	134.4	129.7	125.0	120.2
105°	517.7	474.1	430.6	387.0	343.5	299.9	286.9	273.9	260.9	247.9	235.0
107.5°	742.3	699.8	657.3	614.9	572.4	530.0	509.4	488.9	468.4	447.8	427.3
110°	854.7	829.2	803.9	778.2	752.9	727.5	707.9	688.3	668.7	649.2	629.6



TEST NUMBER: P1444861
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL24

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	866.3	853.7	841.0	828.3	815.7	803.0	793.5	784.0	774.5	764.9	755.3
115°	804.2	800.2	796.3	792.4	788.6	784.6	784.1	783.4	782.8	782.2	781.6
117.5°	701.3	702.2	703.2	704.2	705.1	706.0	711.2	716.4	721.6	726.8	732.2
120°	599.1	602.8	606.5	610.2	613.9	617.6	624.6	631.5	638.6	645.5	652.7
122.5°	513.3	516.0	518.6	521.4	524.0	526.7	533.7	540.7	547.6	554.5	561.6
125°	446.6	447.1	447.5	447.8	448.2	448.7	454.5	460.2	466.0	471.9	477.8
127.5°	400.4	399.2	398.0	396.9	395.7	394.6	398.1	401.7	405.2	408.7	412.3
130°	371.1	368.9	366.4	364.2	361.9	359.7	361.2	362.7	364.3	365.9	367.5
132.5°	352.3	349.6	346.8	344.1	341.4	338.8	338.9	339.2	339.5	339.8	340.1
135°	338.4	335.8	333.2	330.6	328.0	325.5	325.0	324.5	324.2	323.7	323.3
137.5°	327.5	325.5	323.4	321.5	319.4	317.5	316.7	316.0	315.2	314.6	313.9
140°	318.6	317.1	315.4	313.9	312.3	310.9	310.2	309.7	309.0	308.6	308.0
142.5°	311.0	309.9	308.7	307.6	306.5	305.4	304.8	304.3	303.7	303.3	302.7
145°	305.9	305.2	304.5	303.9	303.2	302.6	302.1	301.8	301.3	301.0	300.7
147.5°	298.9	298.4	298.2	297.8	297.4	297.0	296.8	296.6	296.3	296.2	295.9
150°	291.9	291.6	291.3	291.0	290.6	290.3	290.2	290.2	290.1	290.2	290.0
152.5°	283.8	283.5	283.1	282.9	282.5	282.2	282.1	282.2	282.1	282.1	282.0
155°	277.3	277.2	277.1	276.9	276.7	276.5	276.4	276.2	276.0	275.9	275.7
157.5°	272.8	272.6	272.4	272.3	272.1	272.0	271.8	271.7	271.5	271.4	271.2
160°	269.3	269.2	269.0	268.9	268.7	268.6	268.2	268.0	267.7	267.4	267.0
162.5°	267.8	267.4	267.2	266.9	266.7	266.4	266.2	266.0	265.8	265.7	265.5
165°	266.0	265.9	265.7	265.5	265.4	265.4	265.1	264.7	264.5	264.1	263.9
167.5°	266.3	266.2	266.0	265.9	265.7	265.6	265.4	265.1	264.7	264.5	264.1
170°	265.7	265.4	265.3	265.0	264.7	264.4	264.1	264.0	263.6	263.4	263.0
172.5°	266.7	266.6	266.3	266.1	265.8	265.6	265.4	265.2	264.9	264.7	264.4
175°	265.4	265.4	265.4	265.3	265.3	265.2	265.1	265.1	265.0	265.0	264.9
177.5°	265.9	265.9	265.9	265.8	265.8	265.8	265.6	265.4	265.4	265.1	265.0
180°	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4



TEST NUMBER: P1444861
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL24

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°	55.2	55.3	53.1	52.4	52.3	53.7	52.8	53.3	51.5	51.7	50.1
92.5°	28.3	26.5	24.6	22.9	24.8	26.5	28.4	30.1	32.0	33.7	35.6
95°	39.3	37.2	35.1	33.0	34.7	36.3	38.0	39.7	41.3	43.0	44.7
97.5°	54.8	53.4	52.0	50.6	51.7	52.6	53.6	54.5	55.6	56.5	57.6
100°	70.5	69.4	68.3	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
102.5°	115.5	110.8	106.0	101.3	104.5	107.7	110.9	114.1	117.3	120.5	123.9
105°	222.0	209.0	196.0	183.0	195.6	208.1	220.8	233.3	245.8	258.5	271.1
107.5°	406.8	386.3	365.8	345.3	368.1	391.0	413.9	436.8	459.6	482.5	505.5
110°	610.1	590.5	570.9	551.4	575.7	600.0	624.3	648.5	672.9	697.1	721.5



TEST NUMBER: P1444861
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL24

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	745.8	736.3	726.8	717.4	733.0	748.6	764.3	780.0	795.6	811.3	827.0
115°	781.0	780.5	779.9	779.3	786.8	794.1	801.5	808.9	816.4	823.8	831.3
117.5°	737.4	742.7	748.0	753.3	755.7	758.1	760.5	762.8	765.3	767.6	770.1
120°	659.7	666.7	673.8	680.9	679.9	679.0	678.0	677.0	676.2	675.3	674.4
122.5°	568.6	575.7	582.7	589.9	587.9	585.7	583.7	581.5	579.7	577.5	575.7
125°	483.7	489.6	495.5	501.5	499.4	497.4	495.2	493.3	491.2	489.3	487.3
127.5°	416.0	419.8	423.4	427.1	426.1	425.2	424.2	423.4	422.5	421.6	420.8
130°	369.1	370.9	372.6	374.3	374.6	374.9	375.3	375.6	376.1	376.5	376.9
132.5°	340.6	341.0	341.4	341.9	343.0	344.1	345.4	346.6	347.9	349.1	350.5
135°	323.1	322.8	322.5	322.3	324.0	325.7	327.3	329.1	331.0	332.8	334.8
137.5°	313.3	312.7	312.2	311.7	313.4	315.1	316.8	318.5	320.4	322.2	324.2
140°	307.5	307.1	306.8	306.3	308.0	309.7	311.3	313.1	315.0	316.8	318.7
142.5°	302.2	301.8	301.4	301.0	302.5	304.1	305.7	307.3	308.9	310.6	312.3
145°	300.4	300.0	299.8	299.5	300.6	301.7	302.9	304.1	305.3	306.5	307.8
147.5°	295.8	295.6	295.6	295.5	296.3	297.1	298.0	298.8	299.8	300.8	301.8
150°	290.2	290.1	290.1	290.2	290.6	291.2	291.7	292.3	292.9	293.5	294.3
152.5°	282.1	282.0	282.2	282.2	282.6	283.2	283.8	284.2	284.9	285.4	286.1
155°	275.7	275.5	275.4	275.3	275.5	275.8	276.0	276.2	276.5	276.8	277.1
157.5°	271.1	270.9	270.9	270.7	270.8	270.8	271.0	271.0	271.2	271.2	271.4
160°	266.9	266.6	266.3	266.0	266.2	266.4	266.7	266.7	267.0	267.2	267.4
162.5°	265.4	265.3	265.2	265.0	265.0	264.8	264.7	264.6	264.5	264.4	264.4
165°	263.6	263.3	263.0	262.8	262.8	262.8	262.8	262.9	262.9	263.0	263.0
167.5°	264.0	263.6	263.4	263.0	262.9	262.6	262.5	262.1	262.0	261.7	261.6
170°	262.8	262.6	262.4	262.1	262.0	261.9	261.9	261.7	261.7	261.7	261.7
172.5°	264.2	264.0	263.8	263.5	263.4	263.4	263.3	263.3	263.2	263.2	263.2
175°	264.8	264.8	264.7	264.6	264.5	264.3	264.2	264.1	264.0	263.7	263.6
177.5°	264.8	264.6	264.4	264.3	264.3	264.3	264.3	264.3	264.3	264.2	264.2
180°	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4



TEST NUMBER: P1444861
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL24

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°	50.7	49.5	51.1	51.2	53.1	53.3	55.7	56.5	58.9	59.6	62.2
92.5°	37.4	39.1	42.5	45.9	49.2	52.5	55.9	59.4	62.6	66.1	69.3
95°	46.4	48.0	52.5	57.0	61.4	65.9	70.5	75.0	79.4	83.9	88.4
97.5°	58.5	59.6	64.0	68.5	72.9	77.4	81.9	86.4	90.9	95.3	99.8
100°	67.2	67.3	80.0	92.6	105.4	118.1	130.7	143.5	156.3	168.9	181.6
102.5°	127.0	130.3	162.3	194.5	226.5	258.6	290.8	322.9	354.9	387.2	419.2
105°	283.7	296.2	345.2	394.2	443.2	492.2	541.2	590.3	639.2	688.3	737.3
107.5°	528.4	551.2	595.6	639.8	684.0	728.3	772.7	817.0	861.3	905.5	949.9
110°	745.8	770.0	799.7	829.3	859.0	888.6	918.2	947.9	977.5	1007.3	1037.0



TEST NUMBER: P1444861
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL24

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	842.6	858.3	875.5	892.8	910.0	927.3	944.5	961.8	979.1	996.4	1013.8
115°	838.6	846.1	852.7	859.4	866.1	872.7	879.5	886.2	893.0	899.6	906.4
117.5°	772.6	775.1	776.0	777.0	777.9	779.0	780.0	781.0	782.0	783.2	784.1
120°	673.5	672.6	671.4	670.2	669.0	667.8	666.5	665.4	664.2	663.1	662.0
122.5°	573.6	571.8	570.5	569.4	568.2	567.0	565.8	564.7	563.6	562.5	561.4
125°	485.5	483.5	484.3	485.1	485.9	486.8	487.6	488.5	489.4	490.2	491.1
127.5°	420.1	419.3	421.6	424.0	426.5	428.8	431.3	433.7	436.1	438.5	441.0
130°	377.5	378.0	381.0	384.2	387.3	390.4	393.6	396.7	399.8	403.0	406.1
132.5°	351.8	353.2	356.1	359.1	362.2	365.1	368.2	371.2	374.2	377.2	380.2
135°	336.6	338.6	341.4	344.0	346.7	349.4	352.2	354.9	357.6	360.4	363.1
137.5°	326.0	328.0	330.2	332.3	334.4	336.6	338.8	340.9	343.0	345.2	347.3
140°	320.5	322.6	323.6	324.8	325.9	327.1	328.3	329.5	330.5	331.7	332.8
142.5°	314.0	315.8	316.5	317.2	317.8	318.6	319.3	320.0	320.6	321.3	322.0
145°	309.0	310.4	310.3	310.3	310.2	310.2	310.1	310.1	310.0	310.0	309.9
147.5°	302.7	303.7	303.4	303.3	303.0	302.7	302.4	302.2	301.9	301.7	301.4
150°	294.8	295.6	295.1	294.7	294.3	293.8	293.3	292.9	292.4	292.0	291.6
152.5°	286.6	287.3	286.7	286.3	285.8	285.3	284.8	284.3	283.8	283.3	282.9
155°	277.3	277.6	277.3	277.2	276.9	276.6	276.3	276.1	275.9	275.7	275.5
157.5°	271.4	271.6	271.4	271.3	271.0	271.0	270.8	270.7	270.7	270.7	270.6
160°	267.6	267.9	267.7	267.5	267.4	267.2	267.1	267.0	267.0	266.9	266.9
162.5°	264.3	264.2	264.1	264.0	263.9	263.7	263.7	263.6	263.5	263.4	263.4
165°	263.2	263.3	262.9	262.8	262.5	262.2	262.0	261.8	261.6	261.5	261.3
167.5°	261.4	261.3	261.3	261.4	261.4	261.4	261.5	261.5	261.6	261.7	261.8
170°	261.6	261.7	261.5	261.5	261.4	261.2	261.1	261.0	261.0	260.8	260.8
172.5°	263.2	263.2	262.9	262.7	262.4	262.1	261.8	261.6	261.4	261.1	260.8
175°	263.4	263.3	263.1	263.0	262.8	262.7	262.5	262.4	262.2	262.1	261.9
177.5°	264.2	264.1	264.1	264.1	264.1	264.1	264.1	264.0	264.0	264.0	263.9
180°	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4



TEST NUMBER: P1444861
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL24

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°	58.3	56.0	52.1	50.0	46.1	43.3	39.2	36.6	32.7	31.7	29.5
92.5°	65.5	61.8	58.1	54.3	50.5	46.8	43.0	39.3	35.5	34.1	33.0
95°	82.9	77.5	72.0	66.5	61.1	55.7	50.2	44.8	39.3	38.2	37.1
97.5°	93.4	87.0	80.6	74.1	67.7	61.3	55.0	48.6	42.2	41.4	40.8
100°	166.9	152.2	137.3	122.6	107.8	93.0	78.2	63.5	48.7	47.8	47.0
102.5°	383.4	347.6	311.7	275.9	240.2	204.3	168.4	132.6	96.8	91.6	86.5
105°	683.1	628.8	574.6	520.4	466.1	411.9	357.6	303.4	249.2	231.7	214.3
107.5°	898.8	847.9	796.9	745.9	694.9	643.9	592.9	541.9	490.8	460.2	429.4
110°	996.4	955.9	915.5	874.9	834.4	793.9	753.3	712.8	672.3	645.8	619.4



TEST NUMBER: P1444861
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL24

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	984.0	954.2	924.6	894.7	865.1	835.2	805.5	775.7	746.0	729.9	713.8
115°	888.4	870.5	852.5	834.4	816.5	798.5	780.5	762.4	744.4	735.9	727.3
117.5°	774.9	765.6	756.3	747.0	737.6	728.3	719.0	709.7	700.4	697.3	694.2
120°	659.0	656.0	653.0	650.1	647.0	644.1	641.0	638.0	635.0	635.1	635.3
122.5°	562.2	563.0	563.9	564.6	565.5	566.2	567.0	567.8	568.5	570.6	572.6
125°	493.5	495.9	498.3	500.6	502.9	505.3	507.7	509.9	512.3	514.3	516.4
127.5°	443.7	446.3	449.1	451.6	454.4	457.0	459.7	462.2	464.9	466.7	468.6
130°	408.4	410.7	412.9	415.1	417.5	419.7	421.9	424.1	426.4	427.8	429.0
132.5°	382.1	384.2	386.2	388.1	390.1	392.1	394.1	396.1	398.1	399.0	399.9
135°	364.6	365.9	367.4	368.8	370.3	371.6	373.0	374.5	375.9	376.4	376.9
137.5°	348.5	349.5	350.7	351.9	353.0	354.1	355.3	356.4	357.6	357.6	357.8
140°	334.1	335.3	336.5	337.7	339.0	340.2	341.6	342.8	344.2	344.3	344.4
142.5°	322.9	323.8	324.7	325.7	326.7	327.6	328.5	329.6	330.6	330.7	330.8
145°	311.1	312.2	313.4	314.5	315.8	316.9	318.3	319.5	320.9	320.7	320.7
147.5°	302.3	303.4	304.4	305.4	306.5	307.5	308.7	309.8	311.0	310.9	310.8
150°	292.8	293.8	294.9	296.0	297.2	298.4	299.6	300.8	302.2	302.3	302.5
152.5°	284.1	285.3	286.5	287.8	289.1	290.5	291.9	293.2	294.6	294.8	295.0
155°	276.7	277.9	279.2	280.5	281.8	283.1	284.5	285.8	287.2	287.5	287.7
157.5°	271.7	272.7	273.9	275.0	276.2	277.3	278.6	279.8	281.0	281.2	281.4
160°	268.0	268.9	269.9	270.9	272.0	273.0	274.0	275.0	276.0	276.3	276.5
162.5°	264.4	265.4	266.5	267.4	268.4	269.4	270.5	271.5	272.5	272.7	273.0
165°	262.0	262.7	263.4	264.1	264.8	265.5	266.3	266.9	267.8	268.0	268.3
167.5°	262.4	262.8	263.4	264.0	264.5	265.1	265.6	266.2	266.7	267.1	267.3
170°	261.3	261.8	262.2	262.8	263.3	263.9	264.3	264.9	265.4	265.7	266.0
172.5°	261.2	261.5	261.8	262.2	262.5	262.8	263.2	263.6	264.0	264.3	264.6
175°	262.1	262.2	262.5	262.6	262.8	262.9	263.1	263.3	263.6	263.9	264.1
177.5°	264.0	264.1	264.2	264.4	264.6	264.8	265.0	265.2	265.3	265.7	266.1
180°	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4



TEST NUMBER: P1444861
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL24

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°	28.6	26.7	25.7	23.8	22.9	21.3	20.4	21.1	22.0	22.8	23.7
92.5°	31.7	30.5	29.2	28.0	26.7	25.5	24.2	25.5	26.7	28.0	29.2
95°	36.0	34.8	33.7	32.6	31.5	30.4	29.3	30.4	31.5	32.7	33.8
97.5°	40.0	39.4	38.7	38.0	37.3	36.6	35.9	36.6	37.3	38.0	38.7
100°	46.2	45.3	44.5	43.7	42.8	42.0	41.2	42.1	42.9	43.8	44.6
102.5°	81.3	76.2	71.0	65.9	60.7	55.6	50.4	55.6	60.7	66.0	71.1
105°	196.9	179.4	162.0	144.6	127.1	109.7	92.3	109.8	127.2	144.7	162.1
107.5°	398.8	368.2	337.5	306.8	276.1	245.4	214.7	245.5	276.2	306.9	337.5
110°	593.0	566.5	539.9	513.5	487.0	460.5	434.0	460.5	487.0	513.5	540.0



TEST NUMBER: P1444861
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL24

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	697.6	681.5	665.3	649.3	633.0	616.9	600.8	616.9	633.1	649.5	665.5
115°	718.8	710.2	701.6	693.0	684.4	675.8	667.2	675.9	684.6	693.2	701.9
117.5°	691.1	688.0	684.9	681.9	678.7	675.7	672.4	675.7	678.9	682.2	685.3
120°	635.4	635.6	635.8	635.9	636.1	636.2	636.3	636.3	636.3	636.3	636.3
122.5°	574.7	576.6	578.6	580.5	582.6	584.5	586.4	584.6	582.8	581.1	579.2
125°	518.4	520.6	522.5	524.6	526.4	528.6	530.3	528.8	526.9	525.1	523.2
127.5°	470.3	472.2	473.8	475.8	477.4	479.1	480.7	479.3	477.8	476.3	474.7
130°	430.3	431.6	432.8	434.1	435.3	436.4	437.5	436.6	435.7	434.7	433.6
132.5°	400.7	401.7	402.5	403.3	404.1	404.9	405.6	405.1	404.5	404.0	403.3
135°	377.4	377.9	378.3	378.8	379.2	379.5	379.7	379.8	379.6	379.5	379.3
137.5°	357.9	358.0	358.0	358.0	358.0	357.9	357.8	358.2	358.5	358.8	359.0
140°	344.4	344.6	344.5	344.5	344.6	344.5	344.3	344.8	345.1	345.4	345.5
142.5°	330.9	331.0	331.0	331.0	331.0	331.0	330.9	331.2	331.5	331.8	332.0
145°	320.6	320.6	320.5	320.5	320.2	320.0	319.6	320.3	320.6	321.1	321.5
147.5°	310.7	310.6	310.5	310.3	310.1	310.0	309.7	310.1	310.6	311.0	311.4
150°	302.7	302.9	303.0	303.2	303.2	303.3	303.2	303.4	303.6	303.8	303.9
152.5°	295.1	295.2	295.4	295.4	295.6	295.5	295.5	295.7	296.0	296.2	296.4
155°	287.9	288.2	288.4	288.6	288.8	289.0	289.1	289.2	289.3	289.4	289.5
157.5°	281.6	281.9	282.1	282.3	282.5	282.6	282.8	283.0	283.1	283.3	283.3
160°	276.7	277.0	277.1	277.3	277.5	277.7	277.8	278.0	278.2	278.3	278.4
162.5°	273.2	273.3	273.4	273.7	273.8	274.0	274.2	274.4	274.6	274.6	274.7
165°	268.7	269.0	269.4	269.6	270.0	270.3	270.6	270.6	270.6	270.6	270.6
167.5°	267.7	268.0	268.2	268.5	268.8	269.1	269.4	269.4	269.4	269.3	269.4
170°	266.3	266.5	266.8	267.0	267.4	267.6	267.9	267.8	267.8	267.8	267.8
172.5°	265.0	265.4	265.8	266.2	266.6	266.9	267.3	267.2	266.9	266.7	266.5
175°	264.5	264.9	265.2	265.5	265.8	266.2	266.6	266.3	266.2	265.9	265.7
177.5°	266.7	267.1	267.6	268.0	268.4	268.8	269.4	268.9	268.5	268.1	267.8
180°	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4



TEST NUMBER: P1444861
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL24

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°	24.5	25.5	26.2	27.2	28.2	30.7	33.1	35.5	38.1	40.6	43.1
92.5°	30.5	31.7	33.0	34.2	35.5	39.3	43.0	46.8	50.6	54.4	58.1
95°	34.9	36.0	37.2	38.4	39.5	45.0	50.4	55.8	61.3	66.7	72.2
97.5°	39.5	40.1	40.9	41.5	42.3	48.7	55.1	61.5	67.9	74.3	80.7
100°	45.4	46.3	47.1	48.0	48.9	63.6	78.4	93.3	108.1	122.7	137.5
102.5°	76.3	81.4	86.6	91.8	97.0	132.9	168.7	204.6	240.4	276.1	312.0
105°	179.5	197.0	214.5	231.9	249.4	303.6	357.9	412.2	466.4	520.7	574.9
107.5°	368.3	399.0	429.7	460.5	491.1	542.2	593.1	644.2	695.3	746.3	797.3
110°	566.7	593.1	619.6	646.2	672.7	713.2	753.8	794.4	834.9	875.5	916.0



TEST NUMBER: P1444861
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL24

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	681.8	697.9	714.1	730.3	746.5	776.2	806.1	835.8	865.7	895.4	925.2
115°	710.6	719.1	727.8	736.3	745.0	763.1	781.1	799.2	817.2	835.2	853.3
117.5°	688.5	691.6	694.8	697.9	701.0	710.4	719.8	729.2	738.6	748.0	757.3
120°	636.3	636.2	636.1	635.9	635.8	638.9	642.0	645.1	648.1	651.2	654.2
122.5°	577.3	575.4	573.4	571.5	569.5	568.8	568.1	567.3	566.7	565.8	565.1
125°	521.3	519.4	517.4	515.5	513.5	511.2	509.0	506.6	504.3	502.0	499.7
127.5°	473.1	471.3	469.8	468.0	466.3	463.6	461.1	458.4	455.9	453.2	450.6
130°	432.6	431.5	430.4	429.1	427.9	425.6	423.5	421.3	419.0	416.9	414.7
132.5°	402.8	402.0	401.3	400.4	399.7	397.8	395.9	393.9	391.9	389.9	388.1
135°	379.1	378.7	378.4	378.1	377.7	376.3	374.9	373.5	372.2	370.8	369.4
137.5°	359.2	359.3	359.4	359.4	359.5	358.4	357.2	356.1	355.1	354.0	352.9
140°	345.8	345.9	346.1	346.1	346.2	344.9	343.8	342.5	341.4	340.1	338.8
142.5°	332.2	332.3	332.4	332.5	332.6	331.7	330.8	329.9	329.0	328.1	327.1
145°	321.8	322.0	322.4	322.5	322.9	321.7	320.5	319.3	318.3	317.0	316.0
147.5°	311.8	312.1	312.4	312.7	313.0	312.0	311.1	310.0	309.1	308.1	307.3
150°	304.1	304.1	304.3	304.3	304.4	303.3	302.2	301.1	300.2	299.0	298.1
152.5°	296.5	296.7	296.8	296.9	296.9	295.8	294.6	293.5	292.3	291.1	290.0
155°	289.6	289.6	289.6	289.6	289.6	288.5	287.4	286.3	285.1	284.0	282.9
157.5°	283.4	283.5	283.6	283.6	283.7	282.6	281.7	280.7	279.8	278.6	277.7
160°	278.5	278.5	278.6	278.7	278.7	277.9	277.2	276.2	275.5	274.6	273.7
162.5°	274.8	275.0	275.0	275.1	275.2	274.4	273.5	272.7	271.9	271.0	270.2
165°	270.5	270.5	270.4	270.3	270.2	269.6	269.2	268.6	268.0	267.4	266.8
167.5°	269.3	269.2	269.1	269.1	269.0	268.6	268.2	267.8	267.3	266.9	266.5
170°	267.7	267.6	267.5	267.5	267.3	266.9	266.6	266.2	265.8	265.4	264.9
172.5°	266.4	266.1	265.9	265.7	265.4	265.2	264.9	264.6	264.4	264.1	263.9
175°	265.4	265.3	265.0	264.8	264.5	264.4	264.3	264.1	264.1	263.9	263.8
177.5°	267.3	267.0	266.6	266.2	265.8	265.7	265.5	265.4	265.4	265.3	265.1
180°	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4



TEST NUMBER: P1444861
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL24

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°	45.6	51.0	53.4	51.5	48.7	46.6	43.9	41.9	39.2	37.4	34.7
92.5°	61.9	65.6	69.4	66.1	62.7	59.4	56.0	52.6	49.2	45.9	42.6
95°	77.7	83.0	88.5	84.0	79.4	75.0	70.5	66.0	61.5	57.0	52.6
97.5°	87.2	93.5	99.9	95.4	91.0	86.4	81.9	77.5	73.0	68.6	64.1
100°	152.4	167.1	181.7	169.0	156.4	143.6	130.9	118.2	105.5	92.7	80.1
102.5°	347.8	383.5	419.3	387.3	355.1	323.0	290.9	258.8	226.7	194.6	162.4
105°	629.2	683.3	737.4	688.4	639.4	590.4	541.4	492.2	443.3	394.2	345.3
107.5°	848.4	899.1	950.0	905.7	861.5	817.2	772.8	728.5	684.2	639.9	595.7
110°	956.5	996.8	1037.2	1007.4	977.8	948.1	918.4	888.7	859.1	829.5	799.8



TEST NUMBER: P1444861
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL24

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	954.9	984.4	1013.9	996.6	979.3	962.1	944.7	927.4	910.2	893.0	875.7
115°	871.3	888.8	906.6	899.8	893.2	886.4	879.7	873.0	866.3	859.6	853.0
117.5°	766.6	775.3	784.5	783.4	782.4	781.3	780.3	779.2	778.2	777.2	776.3
120°	657.3	659.6	662.5	663.5	664.7	665.8	667.0	668.1	669.3	670.4	671.7
122.5°	564.3	562.9	561.8	563.0	564.1	565.1	566.3	567.4	568.6	569.7	570.9
125°	497.4	494.2	491.6	490.8	489.9	489.0	488.2	487.2	486.4	485.6	484.7
127.5°	448.0	444.6	441.6	439.2	436.8	434.3	431.9	429.4	427.1	424.6	422.3
130°	412.4	409.3	406.9	403.7	400.6	397.4	394.3	391.2	388.0	384.9	381.8
132.5°	386.1	383.2	381.0	378.0	375.1	372.0	369.0	366.0	363.1	359.9	357.1
135°	368.0	365.6	363.9	361.1	358.6	355.9	353.2	350.4	347.8	345.0	342.4
137.5°	351.8	349.5	348.2	346.1	344.1	341.8	339.9	337.6	335.6	333.3	331.3
140°	337.6	335.2	333.7	332.7	331.6	330.5	329.4	328.3	327.1	326.0	324.9
142.5°	326.3	324.1	323.0	322.3	321.8	321.0	320.5	319.8	319.2	318.4	317.8
145°	314.8	312.3	310.9	310.9	311.1	311.2	311.3	311.3	311.4	311.5	311.6
147.5°	306.2	303.7	302.4	302.8	303.1	303.4	303.6	303.9	304.2	304.5	304.7
150°	296.9	294.1	292.5	292.9	293.4	293.9	294.4	294.9	295.4	295.8	296.3
152.5°	288.8	285.4	283.7	284.1	284.7	285.1	285.7	286.2	286.7	287.3	287.8
155°	281.7	278.1	276.3	276.5	276.7	277.0	277.2	277.4	277.7	278.0	278.4
157.5°	276.6	273.1	271.4	271.4	271.5	271.6	271.7	271.9	272.0	272.1	272.3
160°	272.9	269.4	267.8	267.7	267.9	267.9	268.0	268.0	268.2	268.3	268.5
162.5°	269.3	265.8	264.2	264.2	264.3	264.3	264.5	264.4	264.6	264.7	264.9
165°	266.2	263.3	262.1	262.2	262.4	262.6	262.8	263.0	263.2	263.5	263.8
167.5°	266.1	263.5	262.6	262.5	262.3	262.2	262.2	262.1	262.1	262.0	262.0
170°	264.4	262.4	261.5	261.5	261.7	261.7	261.8	261.9	262.0	262.1	262.3
172.5°	263.5	262.0	261.5	261.6	261.9	262.2	262.5	262.7	262.9	263.2	263.5
175°	263.6	262.8	262.5	262.6	262.7	262.8	262.9	263.1	263.2	263.4	263.6
177.5°	265.0	264.6	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.5	264.5
180°	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4



TEST NUMBER: P1444861
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL24

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°	33.0	31.4	30.6	28.9	28.3	26.6	26.2	24.6	24.4	22.6	25.2
92.5°	39.2	37.4	35.6	33.8	32.0	30.2	28.3	26.6	24.7	22.9	24.7
95°	48.1	46.5	44.8	43.1	41.4	39.8	38.1	36.4	34.7	33.1	35.2
97.5°	59.6	58.6	57.7	56.7	55.7	54.7	53.8	52.8	51.8	50.8	52.2
100°	67.4	67.4	67.4	67.4	67.3	67.3	67.3	67.3	67.3	67.3	68.4
102.5°	130.4	127.1	123.9	120.6	117.4	114.2	111.0	107.8	104.6	101.4	106.1
105°	296.3	283.8	271.2	258.6	245.9	233.4	220.9	208.2	195.7	183.1	196.1
107.5°	551.4	528.5	505.6	482.7	459.7	436.9	414.0	391.1	368.2	345.4	365.9
110°	770.1	745.9	721.5	697.3	673.0	648.6	624.4	600.1	575.8	551.5	571.0



TEST NUMBER: P1444861
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL24

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	858.4	842.7	827.1	811.3	795.7	780.1	764.5	748.8	733.2	717.6	727.0
115°	846.2	838.8	831.4	823.9	816.5	809.1	801.6	794.2	786.9	779.4	780.0
117.5°	775.3	772.7	770.3	767.8	765.5	763.0	760.7	758.2	755.8	753.5	748.2
120°	673.0	673.8	674.5	675.6	676.4	677.4	678.2	679.2	680.1	681.1	674.0
122.5°	572.1	573.9	576.0	577.9	579.9	581.9	583.9	586.0	588.1	590.2	583.0
125°	483.9	485.8	487.7	489.7	491.6	493.6	495.7	497.8	499.8	502.0	496.0
127.5°	419.9	420.7	421.4	422.2	422.9	424.0	424.8	425.7	426.6	427.8	424.0
130°	378.7	378.1	377.7	377.2	376.7	376.4	376.0	375.6	375.4	375.1	373.3
132.5°	354.0	352.6	351.3	349.9	348.6	347.4	346.2	345.1	343.9	342.8	342.3
135°	339.6	337.6	335.7	333.8	331.9	330.2	328.3	326.7	325.0	323.3	323.5
137.5°	329.1	327.2	325.3	323.4	321.5	319.7	317.9	316.2	314.5	312.9	313.4
140°	323.8	321.8	319.9	318.0	316.3	314.4	312.6	311.0	309.2	307.7	308.0
142.5°	317.1	315.4	313.6	312.0	310.2	308.7	307.0	305.5	303.9	302.5	302.9
145°	311.7	310.4	309.1	307.8	306.6	305.5	304.2	303.2	302.1	301.0	301.2
147.5°	305.0	304.1	303.1	302.1	301.2	300.3	299.4	298.5	297.7	296.9	297.0
150°	296.8	296.2	295.5	294.9	294.3	293.7	293.1	292.6	292.0	291.6	291.5
152.5°	288.3	287.7	287.1	286.5	286.0	285.4	284.9	284.4	283.9	283.4	283.4
155°	278.6	278.4	278.1	277.8	277.5	277.3	277.1	277.0	276.7	276.5	276.5
157.5°	272.5	272.3	272.2	272.2	272.1	272.0	272.0	272.0	271.9	271.9	272.0
160°	268.7	268.5	268.2	268.1	267.9	267.7	267.5	267.4	267.2	267.0	267.3
162.5°	265.0	265.2	265.2	265.3	265.4	265.4	265.5	265.6	265.7	265.9	266.0
165°	264.1	264.0	263.9	263.8	263.7	263.7	263.6	263.6	263.5	263.6	263.8
167.5°	262.0	262.1	262.3	262.4	262.6	262.8	263.0	263.2	263.4	263.7	264.0
170°	262.3	262.3	262.3	262.3	262.3	262.4	262.4	262.4	262.5	262.6	262.8
172.5°	263.8	263.8	263.7	263.8	263.7	263.8	263.8	263.8	263.8	263.9	264.1
175°	263.7	263.9	264.1	264.1	264.3	264.4	264.6	264.7	264.9	265.0	265.0
177.5°	264.5	264.5	264.5	264.5	264.5	264.6	264.6	264.6	264.6	264.5	264.6
180°	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4



TEST NUMBER: P1444861
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL24

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°	25.8	28.2	29.0	31.2	32.1	34.6	35.6	37.9	39.1	41.7	43.1
92.5°	26.6	28.3	30.2	32.0	33.8	35.6	37.4	39.2	43.1	46.9	50.9
95°	37.3	39.4	41.4	43.6	45.6	47.8	49.8	51.9	57.7	63.4	69.1
97.5°	53.6	55.0	56.4	57.8	59.2	60.6	62.0	63.4	69.5	75.6	81.8
100°	69.5	70.6	71.7	72.8	74.0	75.1	76.2	77.3	89.3	101.1	113.0
102.5°	110.8	115.6	120.3	125.1	129.9	134.6	139.4	144.1	171.3	198.6	225.8
105°	209.1	222.1	235.2	248.1	261.1	274.1	287.0	300.0	343.6	387.1	430.7
107.5°	386.4	406.9	427.4	448.0	468.6	489.0	509.5	530.2	572.5	615.1	657.4
110°	590.6	610.1	629.7	649.4	668.9	688.4	708.0	727.6	753.0	778.4	804.0



TEST NUMBER: P1444861
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL24

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	736.5	746.0	755.5	765.1	774.6	784.2	793.6	803.2	815.9	828.5	841.2
115°	780.6	781.2	781.8	782.4	783.0	783.6	784.3	784.9	788.9	792.7	796.7
117.5°	742.9	737.7	732.4	727.1	721.9	716.7	711.5	706.4	705.4	704.5	703.5
120°	667.1	659.9	653.0	645.8	639.0	631.9	625.0	618.0	614.3	610.6	607.0
122.5°	576.1	568.9	562.0	555.0	548.0	541.0	534.2	527.3	524.6	521.9	519.3
125°	490.0	484.2	478.3	472.4	466.7	460.8	455.2	449.4	448.9	448.5	448.1
127.5°	420.3	416.6	413.1	409.5	405.9	402.4	399.0	395.4	396.6	397.8	399.0
130°	371.6	369.9	368.4	366.6	365.2	363.7	362.2	360.6	362.9	365.1	367.6
132.5°	341.9	341.5	341.2	340.8	340.5	340.3	340.1	339.9	342.6	345.3	348.0
135°	323.8	324.1	324.5	324.8	325.4	325.7	326.2	326.6	329.3	331.8	334.4
137.5°	314.0	314.5	315.2	315.8	316.5	317.2	318.0	318.7	320.7	322.7	324.7
140°	308.5	308.8	309.4	309.9	310.4	311.0	311.6	312.1	313.7	315.2	316.7
142.5°	303.3	303.6	304.2	304.7	305.2	305.7	306.2	306.8	307.9	308.9	310.1
145°	301.5	301.8	302.1	302.4	302.7	303.2	303.4	303.9	304.6	305.1	305.8
147.5°	297.1	297.2	297.4	297.6	297.9	298.1	298.2	298.4	298.8	299.1	299.5
150°	291.5	291.5	291.5	291.5	291.5	291.6	291.6	291.6	291.9	292.3	292.6
152.5°	283.4	283.4	283.3	283.3	283.3	283.4	283.3	283.4	283.7	284.0	284.3
155°	276.7	276.8	277.0	277.1	277.2	277.3	277.5	277.6	277.8	277.9	278.1
157.5°	272.0	272.1	272.3	272.4	272.6	272.7	272.8	273.0	273.2	273.3	273.3
160°	267.5	267.9	268.0	268.4	268.6	268.9	269.2	269.4	269.6	269.7	269.9
162.5°	266.2	266.3	266.5	266.6	266.7	266.8	266.9	267.1	267.5	267.7	268.0
165°	264.1	264.3	264.7	264.8	265.2	265.4	265.7	266.0	266.1	266.2	266.4
167.5°	264.1	264.4	264.7	265.0	265.3	265.5	265.8	266.1	266.2	266.3	266.5
170°	263.0	263.3	263.5	263.8	264.0	264.2	264.5	264.7	265.0	265.3	265.4
172.5°	264.2	264.4	264.6	264.8	265.0	265.3	265.4	265.7	265.9	266.2	266.3
175°	265.0	265.0	265.0	265.1	265.1	265.1	265.1	265.2	265.3	265.3	265.3
177.5°	264.8	264.9	265.1	265.2	265.4	265.4	265.6	265.7	265.7	265.7	265.7
180°	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4



TEST NUMBER: P1444861
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL24

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°	46.1	47.7	50.6	52.3	55.7	57.7	57.2	55.1	54.6	52.5	52.0
92.5°	54.7	58.8	62.7	66.6	70.5	74.4	70.8	67.2	63.6	59.9	56.3
95°	74.8	80.6	86.2	92.0	97.6	103.4	97.3	91.1	85.0	78.9	72.7
97.5°	87.9	94.1	100.3	106.4	112.5	118.6	111.4	104.2	96.9	89.8	82.4
100°	124.9	136.7	148.6	160.5	172.4	184.2	170.7	157.2	143.7	130.2	116.7
102.5°	253.1	280.2	307.4	334.8	362.0	389.2	360.5	331.8	303.1	274.4	245.6
105°	474.2	517.9	561.4	605.0	648.5	692.2	645.6	599.1	552.5	506.0	459.4
107.5°	700.0	742.4	785.0	827.4	869.9	912.4	865.2	817.9	770.7	723.5	676.2
110°	829.4	854.9	880.3	905.9	931.3	956.9	922.4	887.9	853.4	818.7	784.3



TEST NUMBER: P1444861
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL24

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	853.9	866.6	879.2	892.0	904.7	917.4	892.7	868.0	843.2	818.5	793.7
115°	800.6	804.5	808.4	812.4	816.3	820.3	803.5	786.8	770.0	753.3	736.5
117.5°	702.6	701.8	700.8	700.0	699.0	698.1	688.7	679.3	669.7	660.3	650.8
120°	603.4	599.6	595.9	592.3	588.6	585.0	580.8	576.7	572.5	568.4	564.2
122.5°	516.6	514.0	511.4	508.7	506.0	503.3	501.5	499.9	498.1	496.3	494.6
125°	447.8	447.4	447.0	446.5	446.2	445.7	444.7	443.7	442.6	441.6	440.5
127.5°	400.1	401.3	402.4	403.6	404.7	405.8	405.3	405.0	404.4	404.1	403.5
130°	369.8	372.1	374.3	376.7	378.8	381.1	380.4	379.7	378.9	378.2	377.5
132.5°	350.7	353.3	356.0	358.7	361.4	364.0	363.2	362.4	361.4	360.7	359.8
135°	336.9	339.6	342.1	344.7	347.1	349.6	348.6	347.7	346.6	345.7	344.7
137.5°	326.7	328.7	330.6	332.5	334.5	336.4	335.4	334.4	333.5	332.4	331.5
140°	318.3	319.8	321.3	322.9	324.4	325.8	324.6	323.5	322.3	321.2	320.0
142.5°	311.2	312.3	313.3	314.4	315.4	316.5	315.1	313.6	312.1	310.7	309.1
145°	306.5	307.1	307.7	308.4	308.9	309.6	307.8	306.3	304.6	303.0	301.3
147.5°	299.8	300.2	300.4	300.8	300.9	301.4	299.8	298.2	296.8	295.2	293.6
150°	292.9	293.2	293.5	293.7	294.1	294.3	292.7	291.1	289.5	287.9	286.4
152.5°	284.6	284.9	285.1	285.3	285.6	285.8	284.4	282.9	281.5	279.9	278.5
155°	278.2	278.4	278.5	278.5	278.6	278.7	277.4	276.3	275.1	273.9	272.6
157.5°	273.4	273.6	273.7	273.8	273.9	274.0	273.0	272.1	271.1	270.3	269.3
160°	270.0	270.1	270.2	270.3	270.4	270.5	269.6	268.9	268.1	267.3	266.5
162.5°	268.1	268.5	268.7	268.9	269.2	269.4	268.4	267.6	266.6	265.6	264.6
165°	266.5	266.6	266.7	266.7	266.8	266.9	266.3	265.6	265.0	264.3	263.7
167.5°	266.6	266.7	266.7	266.8	266.8	266.9	266.3	265.7	265.0	264.3	263.6
170°	265.7	265.9	266.2	266.3	266.6	266.7	266.2	265.6	265.1	264.6	264.1
172.5°	266.6	266.7	266.9	267.1	267.3	267.5	266.9	266.4	265.8	265.3	264.7
175°	265.3	265.4	265.4	265.4	265.4	265.4	265.1	264.6	264.2	263.8	263.4
177.5°	265.7	265.7	265.7	265.7	265.7	265.7	265.4	265.2	264.9	264.6	264.2
180°	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4



TEST NUMBER: P1444861
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL24

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°	49.9	49.6	47.5	47.2	46.1	46.7	46.0	46.6	45.6	46.1	44.8
92.5°	52.7	49.1	45.4	41.8	40.0	38.1	36.4	34.5	32.7	30.8	29.0
95°	66.5	60.4	54.3	48.1	46.0	43.9	41.8	39.8	37.6	35.6	33.4
97.5°	75.2	67.9	60.7	53.4	51.6	49.8	47.8	46.1	44.2	42.5	40.6
100°	103.1	89.6	76.1	62.5	60.9	59.5	57.9	56.4	54.8	53.2	51.7
102.5°	216.9	188.2	159.4	130.7	125.2	119.9	114.4	108.8	103.4	97.9	92.4
105°	412.9	366.3	319.7	273.1	258.3	243.5	228.7	213.9	199.1	184.3	169.5
107.5°	628.9	581.6	534.4	487.1	459.8	432.4	405.1	377.7	350.4	323.0	295.6
110°	749.7	715.1	680.6	646.0	624.1	602.1	580.0	557.9	535.9	513.9	491.8



TEST NUMBER: P1444861
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL24

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	769.0	744.2	719.4	694.6	684.7	674.6	664.7	654.7	644.5	634.5	624.5
115°	719.7	703.0	686.2	669.2	665.7	662.2	658.6	655.0	651.4	647.8	644.2
117.5°	641.4	631.8	622.3	612.8	613.2	613.8	614.2	614.8	615.2	615.6	616.0
120°	560.1	555.9	551.7	547.5	550.4	553.3	556.3	559.0	562.0	564.8	567.6
122.5°	492.8	491.0	489.3	487.4	490.9	494.5	497.9	501.3	504.8	508.1	511.5
125°	439.6	438.4	437.4	436.3	439.8	443.4	446.9	450.2	453.9	457.2	460.6
127.5°	403.1	402.6	402.2	401.7	404.2	406.5	408.9	411.2	413.6	415.9	418.2
130°	376.8	376.0	375.4	374.6	376.8	378.9	381.0	383.1	385.3	387.3	389.2
132.5°	359.0	358.1	357.2	356.4	357.9	359.3	360.9	362.1	363.6	364.8	366.1
135°	343.8	342.7	341.7	340.7	342.0	343.4	344.7	345.9	347.1	348.2	349.4
137.5°	330.5	329.5	328.4	327.4	328.6	329.8	331.0	332.1	333.1	334.2	335.1
140°	318.9	317.7	316.5	315.3	316.4	317.4	318.4	319.4	320.4	321.2	322.1
142.5°	307.6	306.1	304.7	303.2	303.9	304.7	305.3	306.0	306.8	307.4	307.9
145°	299.7	298.0	296.4	294.7	295.3	295.7	296.4	296.9	297.4	297.8	298.2
147.5°	292.1	290.5	289.0	287.4	287.8	288.2	288.6	288.9	289.3	289.6	289.9
150°	284.8	283.2	281.6	279.9	280.3	280.7	281.0	281.3	281.6	281.9	282.2
152.5°	277.0	275.6	274.0	272.5	272.8	273.1	273.3	273.6	273.9	274.2	274.4
155°	271.4	270.1	268.9	267.6	267.9	268.1	268.4	268.6	268.8	269.1	269.3
157.5°	268.3	267.2	266.4	265.3	265.4	265.4	265.6	265.5	265.7	265.7	265.8
160°	265.6	264.8	264.0	263.0	263.0	263.2	263.2	263.3	263.3	263.3	263.3
162.5°	263.7	262.7	261.7	260.7	260.8	260.8	261.0	260.9	261.0	261.0	261.0
165°	262.9	262.3	261.5	260.8	260.8	260.7	260.7	260.5	260.4	260.3	260.2
167.5°	262.9	262.2	261.5	260.7	260.9	260.9	261.0	261.0	261.2	261.1	261.2
170°	263.5	262.8	262.3	261.7	261.6	261.6	261.5	261.5	261.4	261.3	261.2
172.5°	264.1	263.6	263.0	262.4	262.4	262.3	262.3	262.2	262.1	262.0	262.0
175°	262.9	262.6	262.0	261.6	261.5	261.5	261.5	261.5	261.4	261.4	261.3
177.5°	264.0	263.7	263.4	263.1	263.0	263.0	263.0	262.9	262.9	262.9	262.9
180°	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4



TEST NUMBER: P1444861
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL24

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°	45.2	43.7
92.5°	27.3	25.6
95°	31.4	29.3
97.5°	38.8	37.0
100°	50.2	48.6
102.5°	87.1	81.6
105°	154.7	139.9
107.5°	268.2	240.9
110°	469.8	447.7



TEST NUMBER: P1444861
CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL24

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	614.4	604.4
115°	640.5	636.9
117.5°	616.5	616.8
120°	570.3	573.1
122.5°	514.8	518.1
125°	463.8	467.2
127.5°	420.3	422.5
130°	391.0	392.9
132.5°	367.3	368.4
135°	350.5	351.5
137.5°	336.1	336.9
140°	322.8	323.6
142.5°	308.5	308.9
145°	298.6	299.0
147.5°	290.0	290.3
150°	282.4	282.5
152.5°	274.6	274.7
155°	269.4	269.5
157.5°	265.7	265.7
160°	263.3	263.3
162.5°	261.0	261.0
165°	260.0	259.9
167.5°	261.1	261.2
170°	261.1	261.0
172.5°	261.9	261.8
175°	261.3	261.3
177.5°	262.9	262.8
180°	264.4	264.4

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-8

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

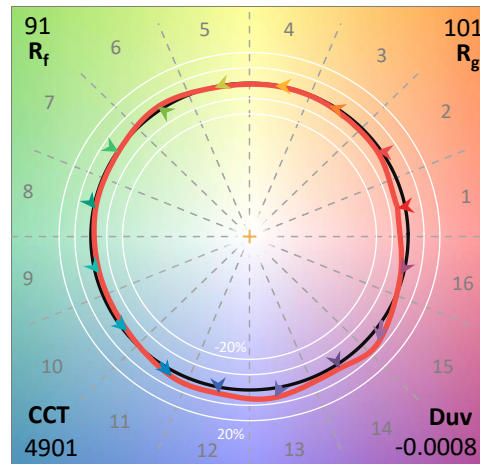
Test Information

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

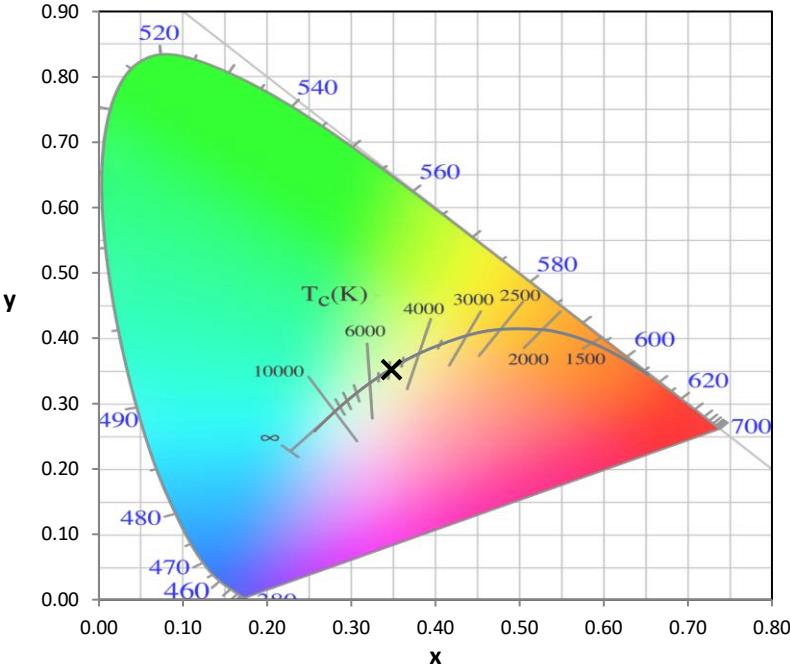
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-8

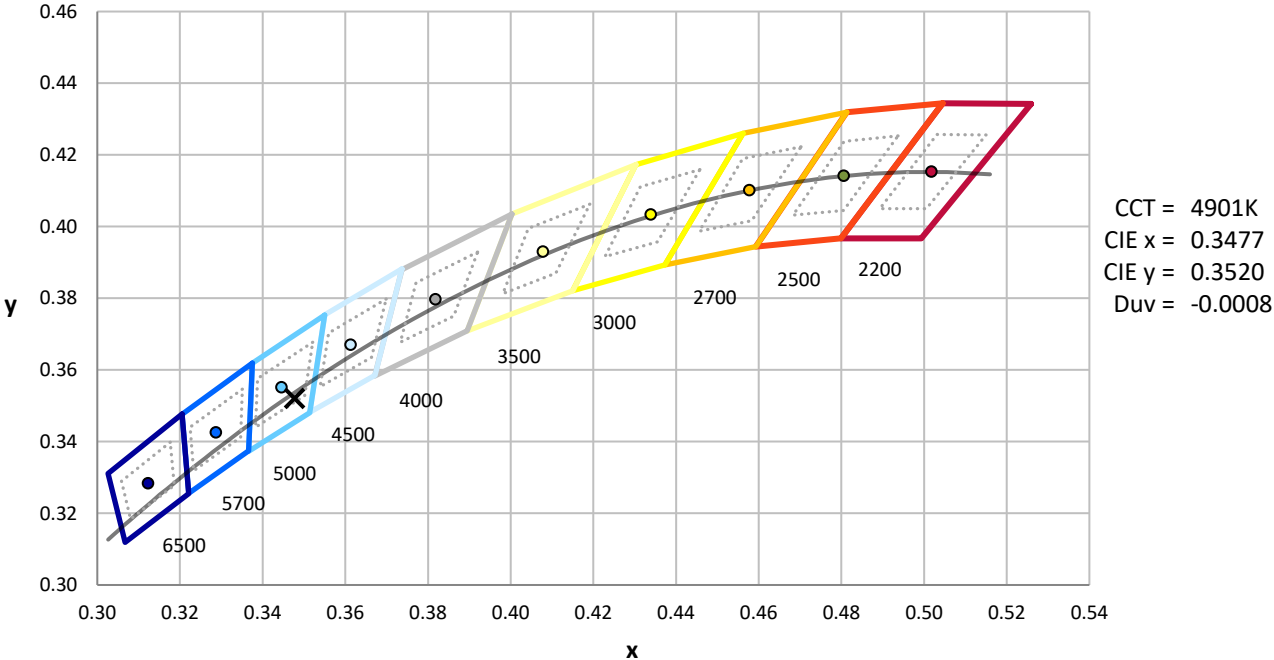
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208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



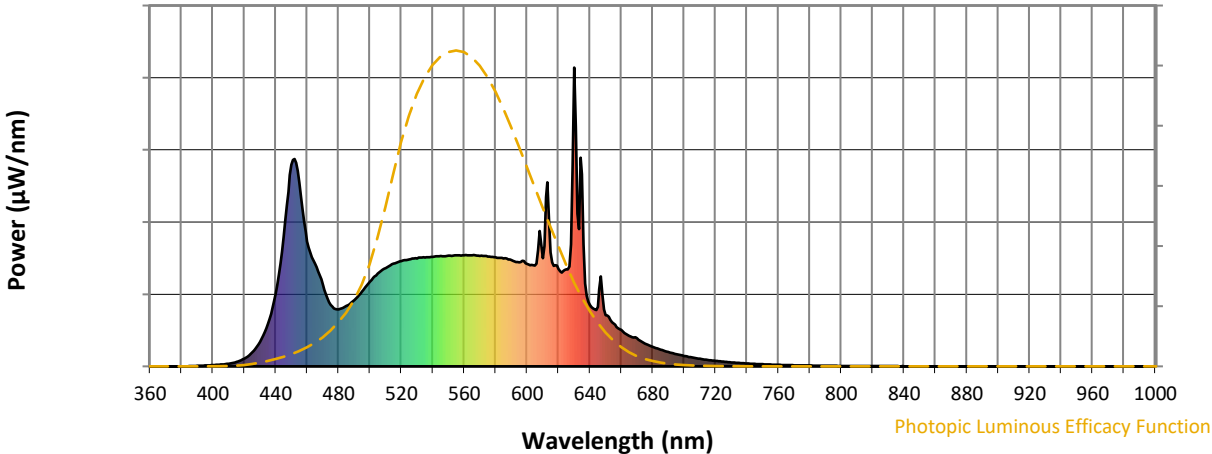
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

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Photopic Flux vs. Wavelength

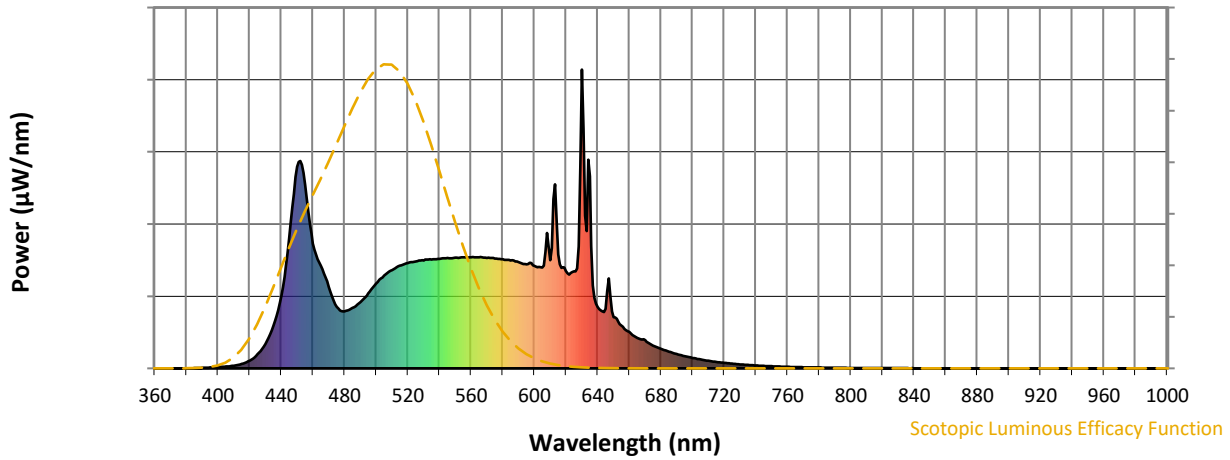


Photopic Lumens: NR

λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)
360	0	NR	490	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



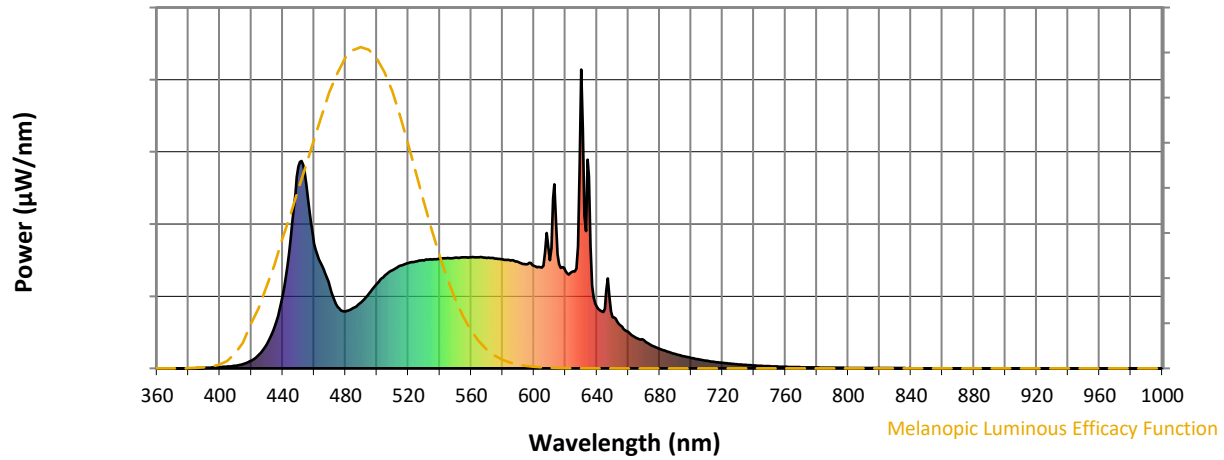
Scotopic Lumens: NR

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



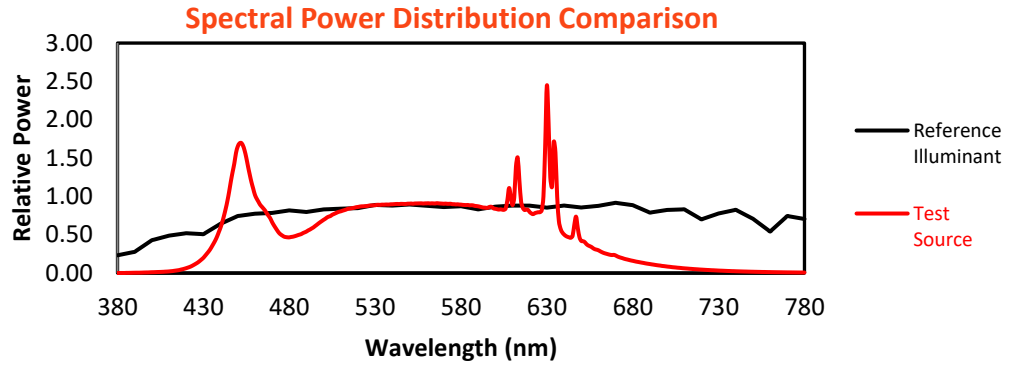
Melanopic Lumens: NR

M/P: 4.41

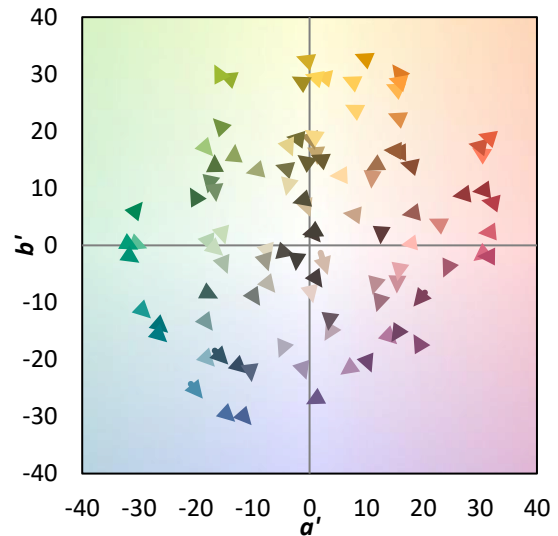
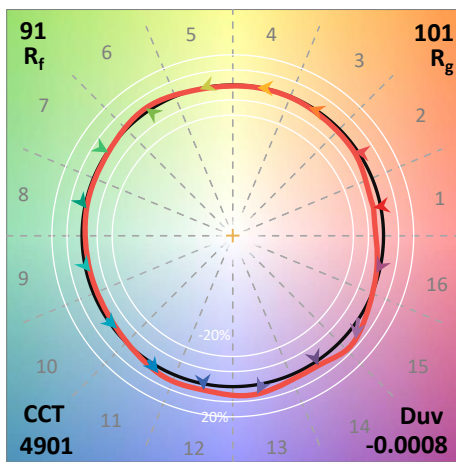
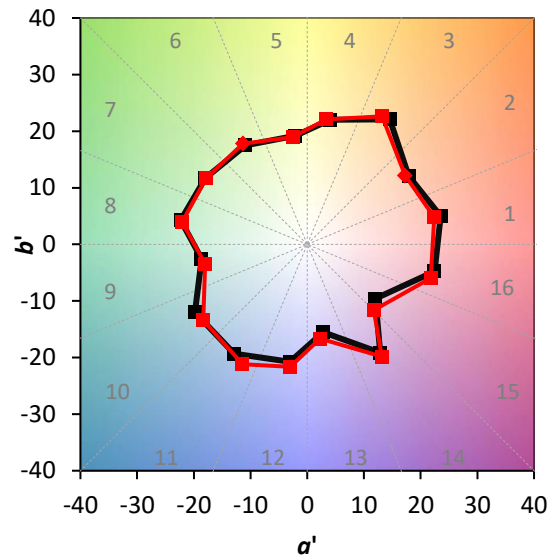
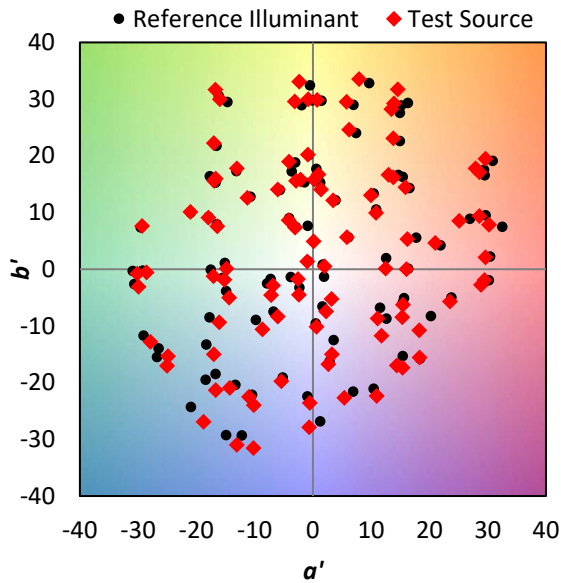
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	221	NR	620	326	NR	750	7	NR	880	0	NR
365	0	NR	495	250	NR	625	325	NR	755	6	NR	885	0	NR
370	0	NR	500	284	NR	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

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

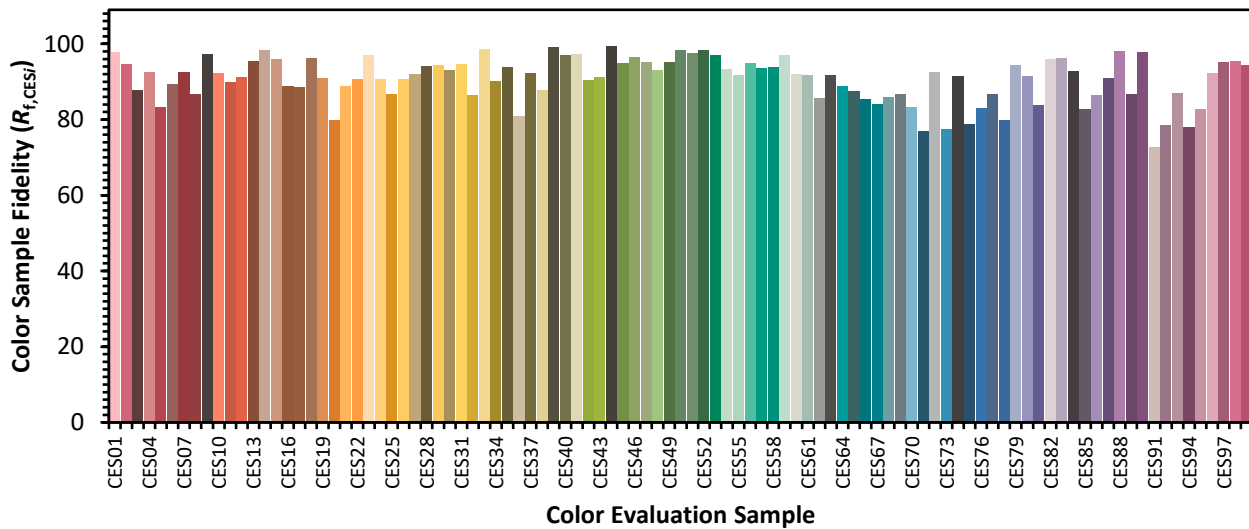


Color Vector Graphics

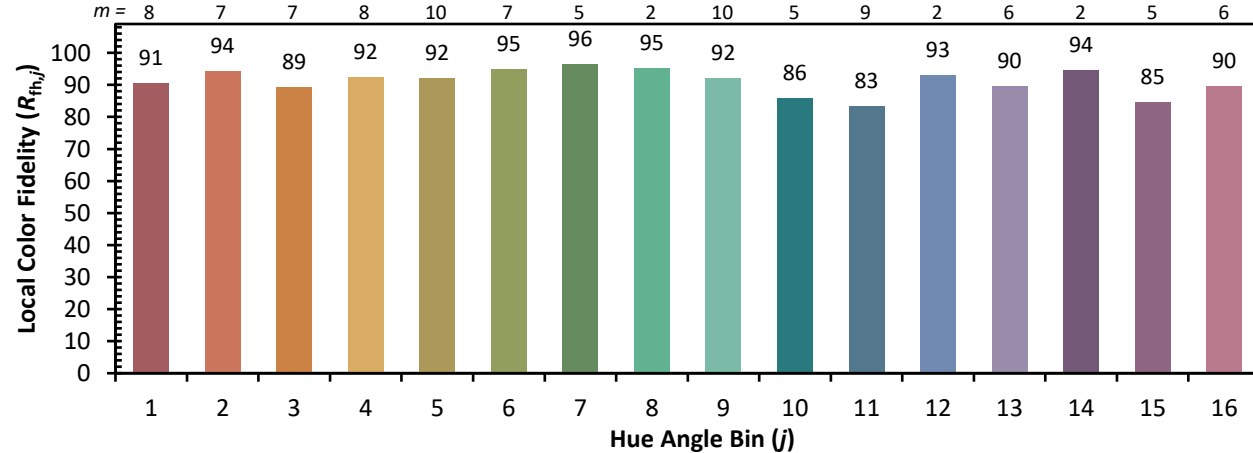
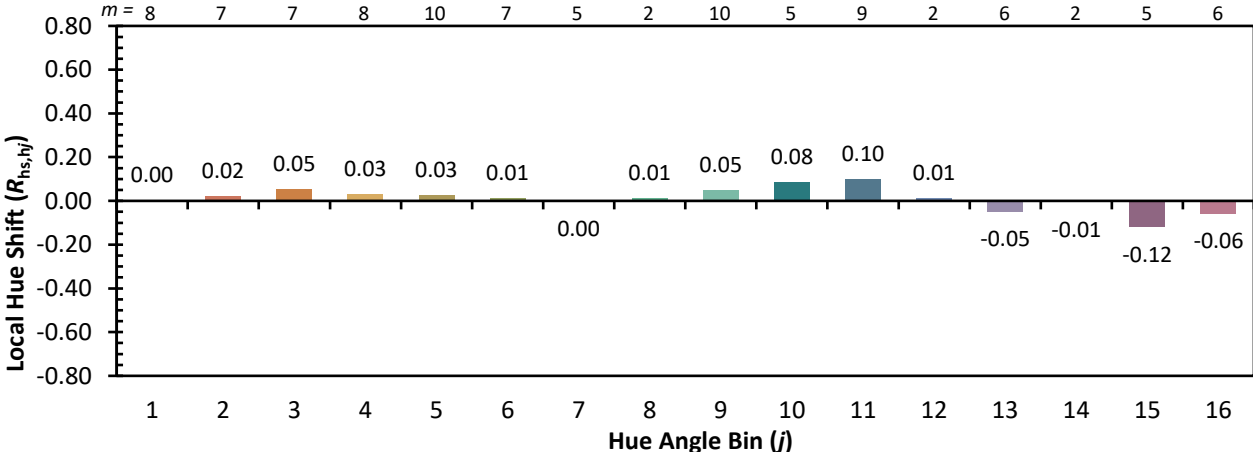
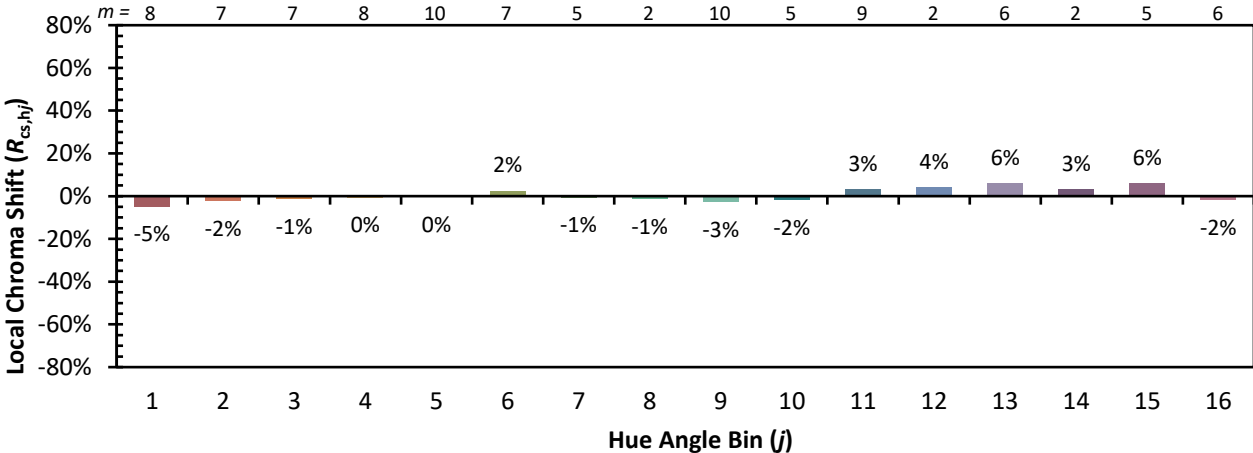


Individual Sample Fidelity Index ($R_{f,i}$)

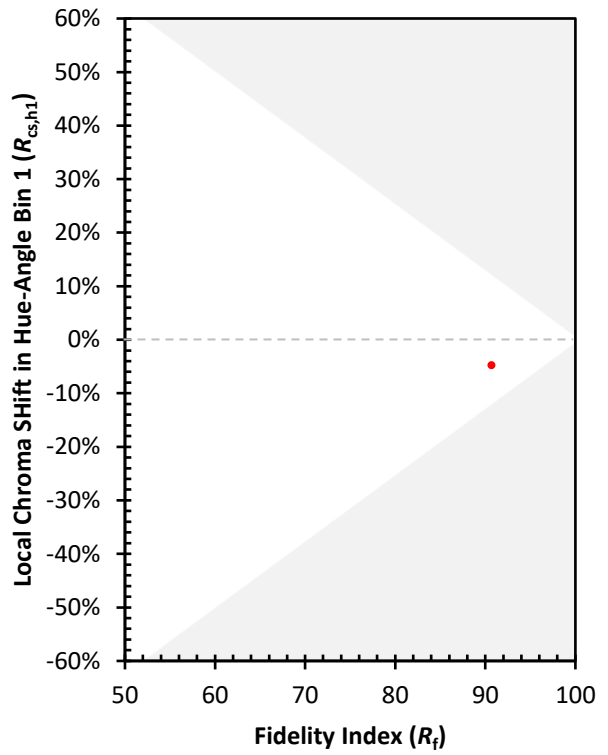
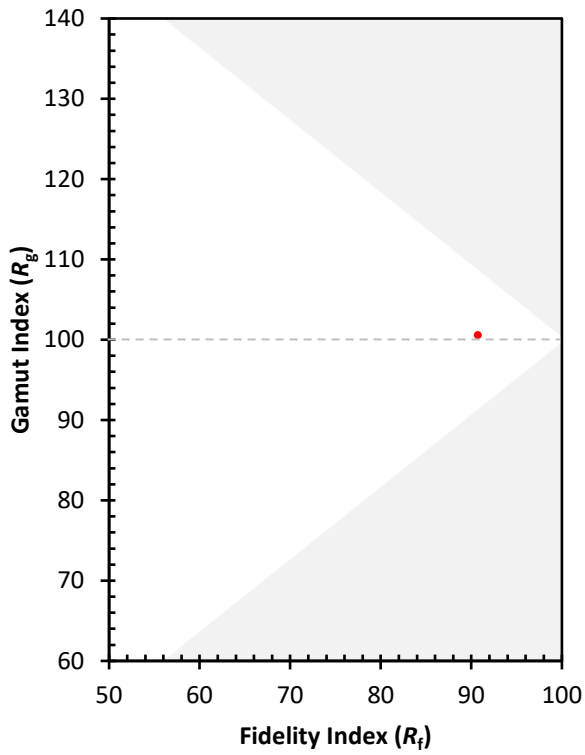
CES01 = 85	CES26 = 91	CES51 = 98	CES76 = 83
CES02 = 61	CES27 = 92	CES52 = 98	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 97	CES78 = 80
CES04 = 69	CES29 = 94	CES54 = 93	CES79 = 94
CES05 = 48	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 50	CES31 = 95	CES56 = 95	CES81 = 84
CES07 = 41	CES32 = 86	CES57 = 94	CES82 = 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)