

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: P1444864

Luminaire Tested: EHBR1-12-UNV-TA-L950-UPL40

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444864
REPORT IS A COMBINATION OF REPORTS P1444354 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-12-UNV-TA-L950-UPL40
Description: Elevate Round Highbay at, 12000 lumens, 5000K 90CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

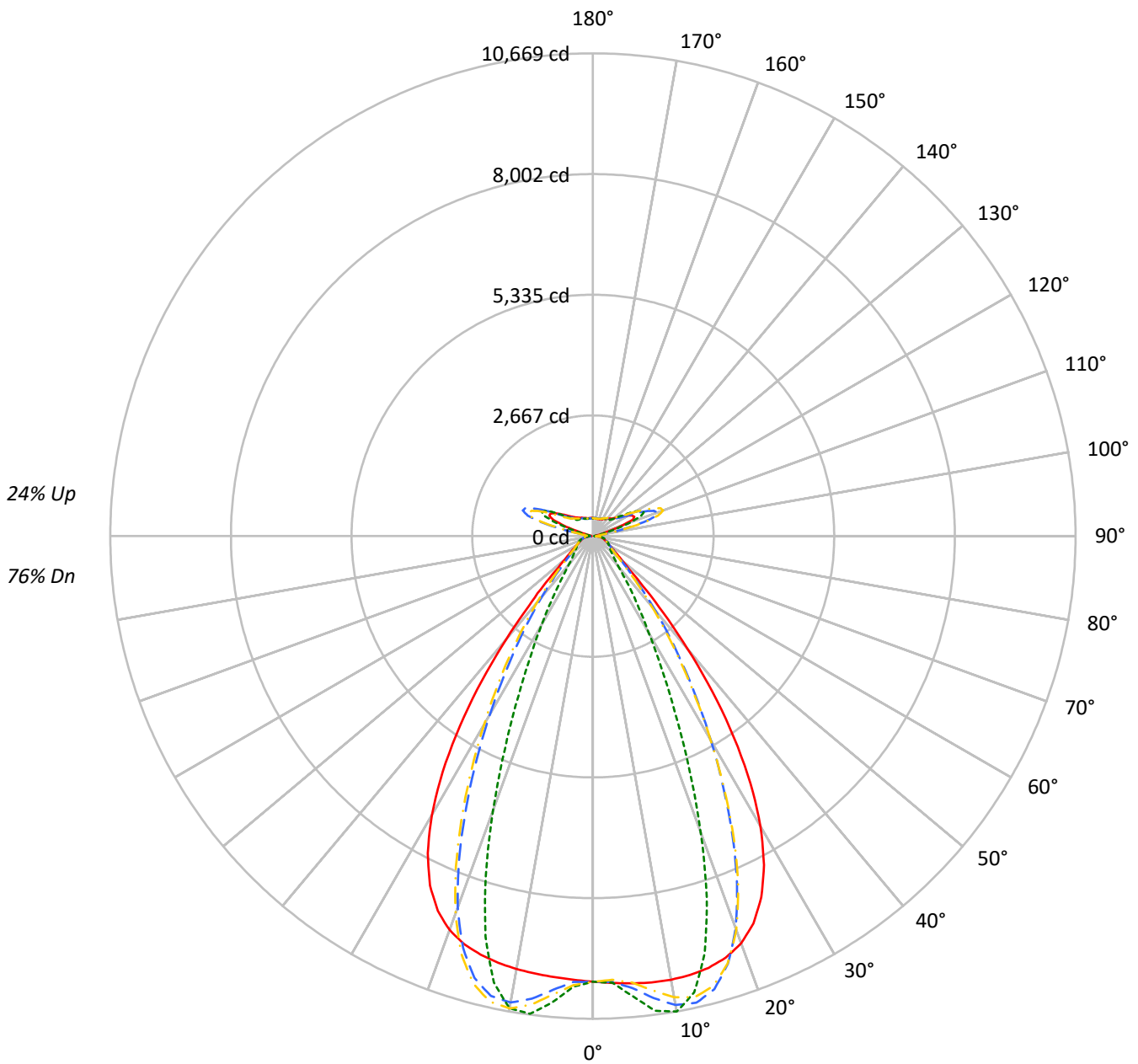
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15006.1 lumens
Efficiency: N/A
Efficacy: 157.5 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 0.77 / 0.88
Luminous Opening: Vertical Cylinder (Dia: 1.71' x H: 0.1')
CIE Type: Semi-Direct

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

TEST NUMBER: P1444864
CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL40

Luminous Intensity Polar Plot



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



TEST NUMBER: P1444864
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL40

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	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



TEST NUMBER: P1444864
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL40

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	970.6	6.5
10°-20°	2730.4	18.2
20°-30°	3109.7	20.7
30°-40°	2235.1	14.9
40°-50°	1030.8	6.9
50°-60°	493.3	3.3
60°-70°	359.9	2.4
70°-80°	273.4	1.8
80°-90°	130.8	0.9
90°-100°	98.9	0.7
100°-110°	631.1	4.2
110°-120°	1167.2	7.8
120°-130°	697.7	4.6
130°-140°	427.2	2.8
140°-150°	299.9	2.0
150°-160°	198.0	1.3
160°-170°	114.0	0.8
170°-180°	37.9	0.3
0°-30°	6810.6	45.4
0°-40°	9045.7	60.3
0°-60°	10569.8	70.4
0°-90°	11333.9	75.5
90°-120°	1897.2	12.6
90°-150°	3322.2	22.1
90°-180°	3672.0	24.5
0°-180°	15006.1	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°	53	62	30	32	53	30
95°	46	52	46	52	46	44
105°	221	290	145	291	221	295
115°	1012	1241	1060	1241	1012	932
125°	737	796	838	797	737	672
135°	548	507	593	508	548	429
145°	461	466	494	467	461	292
155°	411	422	442	424	411	192
165°	393	399	409	399	393	112
175°	393	398	401	399	393	38
180°	397	397	397	397	397	



TEST NUMBER: P1444864
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL40

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°	53.3	56.6	58.6	62.2	64.2	67.5	69.4	72.9	75.0	78.5	82.2
92.5°	39.7	42.6	45.3	48.4	51.3	54.4	57.4	60.5	63.4	66.4	72.3
95°	45.7	49.1	52.4	55.7	59.1	62.3	65.7	69.0	72.4	75.7	85.5
97.5°	57.9	60.8	63.6	66.5	69.4	72.4	75.3	78.1	81.0	83.9	95.5
100°	76.2	78.6	81.1	83.5	85.9	88.5	90.9	93.3	95.8	98.2	119.8
102.5°	128.7	137.3	146.1	154.7	163.3	172.1	180.7	189.4	198.1	206.7	252.4
105°	221.3	244.8	268.5	291.9	315.5	339.1	362.7	386.1	409.7	433.3	507.7
107.5°	382.1	425.5	469.1	512.8	556.4	599.9	643.5	687.2	730.7	774.2	849.7
110°	711.2	746.3	781.4	816.5	851.6	886.7	921.9	956.9	992.0	1027.1	1082.2



TEST NUMBER: P1444864
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL40

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	960.4	976.3	992.4	1008.3	1024.3	1040.2	1056.1	1072.0	1088.1	1104.0	1143.5
115°	1011.5	1017.2	1023.0	1028.6	1034.4	1040.1	1045.8	1051.5	1057.2	1062.8	1089.7
117.5°	978.8	978.0	977.3	976.5	975.7	974.9	974.2	973.2	972.5	971.7	986.9
120°	908.1	903.6	899.0	894.4	889.8	885.3	880.7	876.1	871.4	866.7	873.5
122.5°	819.7	814.2	808.8	803.2	797.7	792.2	786.7	781.0	775.5	770.0	772.9
125°	737.3	731.8	726.3	720.8	715.1	709.7	704.1	698.5	692.8	687.3	689.1
127.5°	665.0	661.3	657.5	653.7	650.0	646.1	642.3	638.5	634.7	630.8	631.6
130°	616.8	613.5	610.2	606.9	603.6	600.1	596.8	593.3	590.0	586.5	587.8
132.5°	576.6	574.5	572.3	570.0	567.8	565.4	563.2	560.7	558.5	556.2	557.6
135°	548.5	546.6	544.6	542.5	540.5	538.4	536.3	534.1	532.0	529.8	531.5
137.5°	524.3	522.5	520.8	519.0	517.1	515.2	513.3	511.5	509.5	507.6	509.2
140°	502.0	500.5	498.8	497.3	495.7	494.0	492.3	490.7	488.9	487.2	489.2
142.5°	477.6	476.4	475.4	474.1	473.1	471.8	470.6	469.3	468.1	466.8	469.2
145°	460.9	460.1	459.3	458.2	457.3	456.3	455.4	454.2	453.2	452.3	454.8
147.5°	446.3	445.6	445.0	444.3	443.7	442.8	442.1	441.3	440.6	439.7	442.2
150°	433.3	432.7	432.1	431.5	430.7	430.0	429.3	428.6	427.9	427.0	429.5
152.5°	420.2	419.6	419.0	418.4	417.7	417.0	416.3	415.6	414.8	414.1	416.2
155°	411.3	410.7	410.0	409.5	408.8	408.1	407.3	406.8	406.0	405.3	407.1
157.5°	404.5	404.2	403.8	403.3	402.9	402.4	401.9	401.5	401.0	400.6	401.9
160°	399.9	399.5	399.1	398.7	398.2	397.8	397.4	396.9	396.5	396.1	397.2
162.5°	395.3	395.0	394.5	394.1	393.7	393.2	392.7	392.4	391.9	391.4	392.8
165°	392.7	392.6	392.4	392.2	392.0	391.8	391.6	391.4	391.2	391.1	392.0
167.5°	394.0	393.7	393.3	392.9	392.5	392.2	391.7	391.3	391.0	390.5	391.5
170°	393.1	392.9	392.8	392.7	392.6	392.5	392.4	392.2	392.0	391.9	392.7
172.5°	393.9	393.8	393.7	393.7	393.5	393.4	393.3	393.2	393.1	393.0	393.9
175°	392.6	392.5	392.5	392.4	392.3	392.3	392.2	392.1	392.1	392.0	392.6
177.5°	395.0	394.9	394.9	394.9	394.9	394.9	394.8	394.7	394.7	394.7	395.2
180°	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3



TEST NUMBER: P1444864
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL40

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°	87.2	91.1	96.0	99.0	103.2	106.0	98.8	100.5	97.1	95.0	91.2
92.5°	78.1	84.0	89.8	95.7	101.6	107.5	112.1	117.6	111.5	105.2	99.1
95°	95.3	105.1	114.8	124.7	134.4	144.2	154.0	163.8	154.7	145.5	136.4
97.5°	107.0	118.6	130.2	141.8	153.3	164.9	176.4	188.1	178.3	168.4	158.6
100°	141.4	163.0	184.4	206.1	227.6	249.2	270.8	292.4	273.4	254.5	235.5
102.5°	298.2	344.1	389.9	435.7	481.5	527.4	573.2	619.0	575.6	532.1	488.7
105°	581.9	656.1	730.5	804.6	878.8	953.2	1027.5	1101.7	1032.3	962.8	893.4
107.5°	924.9	1000.3	1075.6	1150.9	1226.3	1301.7	1377.1	1452.6	1384.8	1317.1	1249.5
110°	1137.3	1192.3	1247.4	1302.5	1357.6	1412.6	1468.0	1523.1	1482.5	1441.9	1401.4



TEST NUMBER: P1444864
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL40

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	1182.9	1222.5	1262.0	1301.4	1340.8	1380.4	1420.2	1459.7	1439.6	1419.4	1399.2
115°	1116.4	1143.3	1170.0	1196.7	1223.6	1250.3	1277.3	1304.3	1298.1	1291.9	1285.8
117.5°	1002.0	1017.3	1032.5	1047.7	1062.7	1078.0	1093.7	1108.9	1110.5	1112.1	1113.7
120°	880.1	886.9	893.6	900.3	906.9	913.7	920.9	927.7	933.8	939.7	945.7
122.5°	775.7	778.7	781.5	784.5	787.2	790.1	793.6	796.8	801.1	805.6	810.0
125°	690.8	692.6	694.3	696.1	697.7	699.5	702.0	703.9	704.8	705.6	706.5
127.5°	632.4	633.4	634.1	635.0	635.8	636.6	638.3	639.3	637.7	636.1	634.4
130°	589.1	590.2	591.5	592.8	594.1	595.2	597.4	598.9	595.5	592.0	588.6
132.5°	559.0	560.5	561.9	563.5	564.9	566.4	568.8	570.5	566.5	562.4	558.3
135°	533.1	534.9	536.5	538.2	539.8	541.7	544.4	546.3	542.5	538.6	534.7
137.5°	510.8	512.6	514.3	516.0	517.6	519.4	522.3	524.3	521.3	518.3	515.4
140°	491.0	493.0	494.8	496.8	498.7	500.7	503.9	506.1	503.9	501.5	499.2
142.5°	471.4	473.8	476.3	478.7	481.1	483.5	487.2	489.9	488.4	486.8	485.3
145°	457.3	460.0	462.6	465.4	468.0	470.7	474.8	477.8	476.9	476.1	475.1
147.5°	444.5	446.9	449.3	451.7	454.2	456.8	460.7	463.6	463.3	462.8	462.4
150°	431.8	434.3	436.7	439.1	441.7	444.2	448.5	451.5	451.1	450.7	450.3
152.5°	418.6	420.7	422.9	425.3	427.5	429.8	434.5	437.2	436.9	436.4	436.1
155°	408.8	410.7	412.4	414.3	416.1	418.0	422.4	424.9	424.8	424.7	424.5
157.5°	403.3	404.6	405.9	407.4	408.8	410.2	414.4	416.5	416.4	416.2	416.2
160°	398.3	399.4	400.5	401.7	402.9	404.1	408.3	410.1	410.0	409.8	409.7
162.5°	394.2	395.6	396.9	398.3	399.8	401.1	405.5	407.6	407.3	407.0	406.7
165°	392.9	393.9	394.8	395.7	396.6	397.7	401.4	403.0	403.0	402.9	402.8
167.5°	392.5	393.5	394.4	395.3	396.4	397.4	400.9	402.6	402.5	402.4	402.3
170°	393.4	394.2	395.0	395.8	396.5	397.5	400.4	401.7	401.5	401.1	400.8
172.5°	394.6	395.5	396.3	397.1	397.8	398.8	401.3	402.7	402.4	402.1	401.7
175°	393.2	393.8	394.4	395.2	395.7	396.4	398.4	399.3	399.2	399.2	399.1
177.5°	395.6	395.9	396.4	396.8	397.3	397.7	399.0	399.6	399.6	399.6	399.5
180°	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3



TEST NUMBER: P1444864
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL40

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°	88.6	84.8	83.0	79.9	78.6	75.7	74.9	72.3	71.6	69.8	69.6
92.5°	92.7	86.5	80.2	74.1	67.7	61.7	58.6	55.8	52.9	50.2	47.0
95°	127.3	118.1	109.0	99.9	90.8	81.7	78.3	75.0	71.6	68.3	65.0
97.5°	148.8	139.0	129.2	119.4	109.5	99.8	97.6	95.3	93.1	90.9	88.6
100°	216.7	197.7	178.9	159.8	140.9	122.0	120.2	118.5	116.7	114.9	113.1
102.5°	445.3	401.9	358.5	315.2	271.8	228.3	220.8	213.1	205.6	198.0	190.5
105°	823.9	754.5	685.1	615.6	546.2	476.8	456.1	435.4	414.7	393.9	373.3
107.5°	1181.7	1114.1	1046.5	978.7	911.1	843.4	810.7	777.9	745.1	712.4	679.8
110°	1360.8	1320.2	1279.7	1239.1	1198.6	1158.0	1126.8	1095.7	1064.5	1033.4	1002.1



TEST NUMBER: P1444864
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL40

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	1379.1	1358.9	1338.9	1318.7	1298.6	1278.5	1263.2	1248.1	1233.0	1217.8	1202.6
115°	1279.6	1273.4	1267.2	1261.1	1255.0	1248.8	1247.9	1247.0	1245.9	1245.1	1244.1
117.5°	1115.2	1116.8	1118.4	1120.1	1121.7	1123.3	1131.7	1140.0	1148.4	1156.7	1165.1
120°	951.7	957.7	963.8	969.8	975.8	981.8	992.9	1004.2	1015.4	1026.7	1038.1
122.5°	814.4	818.8	823.2	827.7	832.1	836.5	847.6	858.9	870.0	881.2	892.6
125°	707.2	708.1	708.9	709.7	710.5	711.3	720.7	730.0	739.4	748.9	758.2
127.5°	632.8	631.1	629.4	627.8	626.0	624.5	630.2	636.0	641.7	647.6	653.4
130°	585.2	581.7	578.2	574.7	571.3	567.9	570.5	573.1	575.7	578.4	581.1
132.5°	554.1	550.0	545.9	541.7	537.6	533.5	534.1	534.6	535.3	535.8	536.6
135°	530.8	527.0	523.1	519.1	515.2	511.4	510.8	510.3	509.8	509.2	508.8
137.5°	512.4	509.3	506.3	503.4	500.3	497.4	496.3	495.4	494.4	493.5	492.5
140°	497.0	494.7	492.3	490.0	487.7	485.5	484.6	483.9	483.1	482.5	481.7
142.5°	483.6	481.9	480.4	478.8	477.1	475.5	474.8	474.0	473.4	472.7	472.0
145°	474.3	473.3	472.4	471.5	470.6	469.8	469.2	468.7	468.3	467.8	467.4
147.5°	462.0	461.5	461.1	460.7	460.2	459.8	459.5	459.4	459.1	459.0	458.7
150°	449.9	449.4	449.0	448.7	448.2	447.8	447.7	447.8	447.8	447.9	447.9
152.5°	435.7	435.3	434.8	434.5	434.0	433.6	433.6	433.8	433.8	433.9	433.9
155°	424.3	424.2	424.0	423.9	423.7	423.5	423.4	423.2	423.0	422.8	422.7
157.5°	416.1	415.9	415.7	415.6	415.4	415.2	415.0	414.9	414.8	414.7	414.5
160°	409.6	409.5	409.3	409.2	409.0	408.9	408.5	408.1	407.8	407.4	407.0
162.5°	406.2	405.8	405.5	405.2	404.7	404.4	404.3	404.1	403.9	403.8	403.6
165°	402.6	402.5	402.3	402.1	402.0	401.9	401.6	401.1	400.8	400.4	400.0
167.5°	402.1	402.0	401.8	401.7	401.6	401.5	401.2	400.7	400.4	400.0	399.6
170°	400.5	400.1	399.9	399.5	399.1	398.8	398.5	398.1	397.8	397.4	397.0
172.5°	401.6	401.2	400.9	400.6	400.3	400.0	399.7	399.3	399.1	398.7	398.4
175°	399.1	399.1	399.1	398.9	398.9	398.8	398.7	398.7	398.6	398.6	398.5
177.5°	399.5	399.5	399.5	399.4	399.4	399.4	399.1	398.9	398.7	398.4	398.1
180°	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3



TEST NUMBER: P1444864
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL40

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°	67.4	66.6	63.6	62.1	62.8	64.9	64.8	66.0	64.9	65.8	65.0
92.5°	44.2	41.3	38.4	35.5	38.6	41.3	44.3	47.0	50.1	52.9	55.8
95°	61.7	58.3	55.0	51.7	54.4	57.0	59.6	62.3	64.9	67.6	70.3
97.5°	86.4	84.2	81.9	79.7	81.3	82.9	84.4	85.9	87.5	89.1	90.7
100°	111.3	109.5	107.8	106.0	106.0	106.0	106.0	106.0	106.0	106.0	106.0
102.5°	182.8	175.3	167.7	160.2	165.3	170.4	175.5	180.6	185.8	190.9	196.1
105°	352.6	331.9	311.3	290.5	310.5	330.6	350.6	370.6	390.6	410.8	430.7
107.5°	647.1	614.4	581.7	549.0	585.5	621.9	658.5	695.0	731.4	767.9	804.5
110°	971.0	939.9	908.8	877.6	916.4	955.0	993.8	1032.4	1071.2	1109.8	1148.7



TEST NUMBER: P1444864
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL40

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	1187.4	1172.4	1157.2	1142.1	1167.0	1191.9	1216.8	1241.8	1266.8	1291.7	1316.6
115°	1243.2	1242.3	1241.5	1240.6	1252.4	1264.2	1276.0	1287.8	1299.6	1311.4	1323.2
117.5°	1173.5	1181.9	1190.4	1198.8	1202.6	1206.5	1210.2	1214.0	1217.9	1221.7	1225.5
120°	1049.3	1060.6	1071.9	1083.3	1081.7	1080.1	1078.6	1077.0	1075.6	1074.1	1072.8
122.5°	903.8	915.1	926.4	937.8	934.4	931.1	927.7	924.4	921.2	917.9	914.7
125°	767.8	777.3	786.8	796.3	793.0	789.7	786.3	783.1	779.8	776.6	773.4
127.5°	659.3	665.3	671.2	677.1	675.6	674.0	672.6	671.1	669.6	668.1	666.8
130°	583.9	586.6	589.4	592.2	592.7	593.1	593.6	594.2	594.8	595.4	595.9
132.5°	537.3	538.0	538.8	539.6	541.4	543.2	545.1	547.0	548.9	550.8	552.9
135°	508.4	508.0	507.7	507.4	510.1	512.8	515.4	518.2	521.0	523.9	526.8
137.5°	491.7	490.9	490.1	489.4	492.1	494.7	497.4	500.1	502.9	505.8	508.8
140°	481.1	480.5	480.1	479.4	482.1	484.8	487.4	490.2	493.1	496.0	498.7
142.5°	471.3	470.8	470.2	469.7	472.1	474.6	477.1	479.5	482.2	484.7	487.3
145°	467.0	466.6	466.2	466.0	467.6	469.4	471.3	473.2	475.1	476.9	479.0
147.5°	458.6	458.4	458.3	458.2	459.5	460.9	462.2	463.5	465.0	466.4	467.9
150°	448.1	448.1	448.2	448.4	449.2	450.1	451.0	451.8	452.9	453.7	454.8
152.5°	434.1	434.1	434.4	434.5	435.3	436.1	437.1	437.8	438.8	439.7	440.7
155°	422.7	422.5	422.4	422.3	422.7	423.1	423.5	423.9	424.3	424.8	425.2
157.5°	414.4	414.2	414.2	414.0	414.1	414.3	414.5	414.7	414.8	415.0	415.2
160°	406.8	406.4	405.9	405.7	406.0	406.4	406.8	407.0	407.5	407.9	408.2
162.5°	403.5	403.3	403.2	403.0	403.0	402.9	402.8	402.7	402.6	402.5	402.5
165°	399.7	399.3	399.0	398.6	398.7	398.9	399.0	399.1	399.2	399.3	399.4
167.5°	399.2	398.9	398.5	398.1	397.9	397.5	397.3	396.9	396.6	396.4	396.2
170°	396.6	396.4	396.0	395.7	395.6	395.5	395.5	395.3	395.3	395.3	395.3
172.5°	398.0	397.8	397.4	397.1	397.0	397.0	396.9	396.9	396.8	396.8	396.8
175°	398.4	398.4	398.3	398.2	398.0	397.8	397.6	397.4	397.1	396.8	396.6
177.5°	397.9	397.7	397.4	397.2	397.2	397.2	397.2	397.2	397.2	397.1	397.1
180°	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3



TEST NUMBER: P1444864
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL40

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°	66.3	66.0	68.8	70.3	73.5	75.1	78.7	80.8	84.5	86.7	90.5
92.5°	58.6	61.5	66.9	72.3	77.6	82.9	88.3	93.7	99.0	104.3	109.6
95°	72.9	75.6	82.8	89.8	97.0	104.2	111.3	118.5	125.6	132.7	139.8
97.5°	92.3	93.8	101.0	108.1	115.2	122.4	129.4	136.7	143.8	150.9	158.0
100°	106.0	106.1	126.4	146.6	166.8	187.0	207.3	227.5	247.8	268.0	288.3
102.5°	201.2	206.4	257.6	308.7	359.8	411.0	462.2	513.4	564.6	615.8	667.0
105°	450.8	470.8	548.8	627.1	705.1	783.2	861.3	939.5	1017.6	1095.8	1173.8
107.5°	840.9	877.5	948.1	1018.6	1089.1	1159.7	1230.2	1300.8	1371.4	1441.9	1512.6
110°	1187.3	1226.1	1273.4	1320.5	1367.7	1414.9	1462.1	1509.3	1556.6	1603.8	1651.2



TEST NUMBER: P1444864
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL40

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	1341.5	1366.5	1393.9	1421.4	1448.9	1476.3	1503.8	1531.2	1558.8	1586.2	1613.8
115°	1335.0	1346.9	1357.4	1368.0	1378.6	1389.1	1399.8	1410.4	1421.1	1431.6	1442.3
117.5°	1229.4	1233.3	1234.7	1236.3	1237.7	1239.2	1240.7	1242.2	1243.7	1245.4	1246.8
120°	1071.2	1069.7	1067.6	1065.6	1063.6	1061.5	1059.5	1057.5	1055.5	1053.5	1051.6
122.5°	911.5	908.3	906.2	904.2	902.2	900.2	898.4	896.4	894.5	892.5	890.6
125°	770.2	767.1	768.2	769.3	770.5	771.7	772.8	774.1	775.3	776.5	777.8
127.5°	665.4	664.1	667.7	671.4	675.0	678.6	682.2	686.0	689.6	693.3	696.9
130°	596.7	597.3	602.1	606.9	611.6	616.5	621.2	626.0	630.8	635.6	640.4
132.5°	554.9	557.0	561.4	566.0	570.6	575.2	579.8	584.4	588.9	593.6	598.1
135°	529.7	532.7	536.8	540.8	545.0	549.2	553.3	557.5	561.6	565.7	569.8
137.5°	511.6	514.5	517.8	521.0	524.1	527.5	530.7	534.0	537.1	540.4	543.5
140°	501.6	504.7	506.2	507.9	509.5	511.2	512.9	514.5	516.0	517.8	519.4
142.5°	490.0	492.7	493.5	494.6	495.5	496.5	497.4	498.4	499.3	500.2	501.2
145°	480.8	482.9	482.6	482.4	482.2	482.0	481.7	481.6	481.3	481.1	480.8
147.5°	469.4	470.9	470.3	469.9	469.4	468.8	468.4	467.9	467.3	466.8	466.3
150°	455.6	456.8	455.9	455.3	454.4	453.7	452.9	452.1	451.3	450.6	449.8
152.5°	441.5	442.5	441.6	440.9	440.0	439.3	438.4	437.6	436.8	435.9	435.2
155°	425.6	426.1	425.6	425.3	424.9	424.4	424.0	423.6	423.3	422.8	422.5
157.5°	415.4	415.6	415.4	415.1	414.8	414.7	414.5	414.2	414.1	413.9	413.8
160°	408.5	409.0	408.7	408.4	408.3	408.0	407.8	407.6	407.5	407.3	407.2
162.5°	402.4	402.3	402.1	401.8	401.7	401.5	401.3	401.2	401.0	400.8	400.7
165°	399.7	399.9	399.3	399.0	398.6	398.1	397.8	397.4	397.1	396.7	396.4
167.5°	395.8	395.6	395.6	395.7	395.7	395.7	395.8	395.9	396.0	396.1	396.2
170°	395.2	395.3	395.1	394.9	394.7	394.5	394.2	394.1	394.0	393.8	393.7
172.5°	396.8	396.8	396.4	395.9	395.5	395.1	394.6	394.2	393.9	393.4	392.9
175°	396.4	396.2	396.0	395.7	395.5	395.2	395.0	394.7	394.5	394.2	394.0
177.5°	397.1	397.0	396.9	396.9	396.9	396.9	396.9	396.8	396.8	396.8	396.7
180°	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3



TEST NUMBER: P1444864
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL40

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°	85.1	81.4	76.0	72.4	67.0	62.7	57.1	53.1	47.7	46.0	43.3
92.5°	103.6	97.6	91.7	85.6	79.7	73.7	67.6	61.7	55.7	53.5	51.7
95°	131.2	122.5	113.8	105.1	96.4	87.7	79.1	70.3	61.7	59.9	58.2
97.5°	147.8	137.6	127.4	117.2	106.8	96.6	86.5	76.3	66.1	64.9	63.8
100°	264.7	241.2	217.7	194.1	170.5	146.9	123.5	99.9	76.3	75.0	73.6
102.5°	609.9	552.7	495.6	438.4	381.3	324.2	267.0	209.8	152.7	144.5	136.3
105°	1087.4	1000.8	914.4	827.9	741.4	654.8	568.4	481.8	395.4	367.7	339.9
107.5°	1431.2	1349.9	1268.5	1187.2	1105.8	1024.5	943.1	861.8	780.4	731.5	682.5
110°	1586.5	1521.9	1457.3	1392.6	1328.1	1263.4	1198.6	1134.1	1069.4	1027.1	985.0



TEST NUMBER: P1444864
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL40

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	1566.3	1518.7	1471.3	1423.9	1376.4	1328.8	1281.4	1233.9	1186.4	1160.6	1134.9
115°	1413.6	1384.8	1356.0	1327.2	1298.4	1269.6	1240.9	1212.0	1183.2	1169.6	1155.8
117.5°	1231.9	1217.0	1202.1	1187.1	1172.2	1157.2	1142.3	1127.3	1112.3	1107.4	1102.4
120°	1046.7	1041.8	1036.9	1032.1	1027.1	1022.2	1017.3	1012.4	1007.4	1007.6	1007.8
122.5°	891.8	892.9	894.1	895.1	896.3	897.3	898.5	899.6	900.7	903.7	906.9
125°	781.4	785.0	788.6	792.3	795.7	799.3	802.9	806.5	810.1	813.2	816.3
127.5°	701.1	705.1	709.3	713.3	717.4	721.5	725.5	729.4	733.5	736.2	739.1
130°	644.0	647.3	650.8	654.1	657.6	661.0	664.4	667.8	671.2	673.1	675.0
132.5°	601.0	604.1	607.1	610.0	613.0	616.0	619.0	621.9	625.0	626.2	627.4
135°	572.0	573.9	576.1	578.1	580.3	582.3	584.4	586.5	588.6	589.2	589.8
137.5°	545.2	546.8	548.5	550.1	551.7	553.4	555.1	556.7	558.4	558.2	558.2
140°	521.2	523.1	524.8	526.6	528.5	530.3	532.2	534.1	536.0	535.9	535.8
142.5°	502.5	503.8	505.2	506.5	507.9	509.2	510.5	512.0	513.4	513.3	513.2
145°	482.6	484.3	486.0	487.8	489.6	491.3	493.3	495.0	497.0	496.6	496.3
147.5°	467.7	469.3	470.8	472.3	473.9	475.4	477.0	478.7	480.4	480.0	479.7
150°	451.5	453.2	454.8	456.6	458.3	460.2	461.9	463.7	465.7	465.8	465.8
152.5°	437.1	438.9	440.8	442.7	444.8	446.8	448.9	450.8	452.9	452.9	453.0
155°	424.3	426.2	428.1	430.1	432.1	434.1	436.1	438.1	440.1	440.4	440.7
157.5°	415.5	417.2	418.8	420.6	422.4	424.1	425.9	427.7	429.4	429.7	429.9
160°	408.7	410.2	411.7	413.2	414.8	416.2	417.7	419.3	420.8	421.1	421.3
162.5°	402.2	403.8	405.3	406.7	408.3	409.7	411.2	412.8	414.3	414.5	414.8
165°	397.5	398.4	399.5	400.4	401.6	402.6	403.7	404.6	405.8	406.1	406.6
167.5°	397.0	397.7	398.5	399.2	400.2	400.9	401.7	402.5	403.3	403.7	404.1
170°	394.4	395.2	395.8	396.6	397.5	398.2	399.0	399.7	400.5	400.8	401.3
172.5°	393.5	393.9	394.4	395.0	395.4	396.0	396.5	397.0	397.6	398.1	398.6
175°	394.2	394.5	394.8	395.1	395.2	395.6	395.8	396.2	396.5	396.9	397.4
177.5°	396.9	397.2	397.4	397.6	397.9	398.1	398.4	398.7	398.9	399.5	400.2
180°	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3



TEST NUMBER: P1444864
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL40

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°	41.8	39.3	37.7	35.2	33.7	31.6	30.1	31.4	32.9	34.2	35.7
92.5°	49.6	47.7	45.6	43.7	41.6	39.7	37.6	39.7	41.6	43.7	45.6
95°	56.4	54.6	52.8	51.0	49.2	47.5	45.7	47.5	49.2	51.1	52.9
97.5°	62.7	61.6	60.5	59.4	58.3	57.1	56.0	57.1	58.3	59.4	60.5
100°	72.3	71.0	69.6	68.3	67.0	65.6	64.3	65.7	67.1	68.4	69.7
102.5°	128.0	119.9	111.6	103.4	95.1	87.0	78.7	87.0	95.1	103.5	111.7
105°	312.0	284.2	256.4	228.7	200.8	173.0	145.2	173.1	200.9	228.7	256.5
107.5°	633.7	584.8	535.8	486.9	438.0	389.0	340.1	389.1	438.1	486.9	535.9
110°	942.8	900.5	858.3	816.1	773.9	731.6	689.3	731.6	773.9	816.1	858.4



TEST NUMBER: P1444864
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL40

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	1109.2	1083.4	1057.6	1031.9	1006.1	980.4	954.6	980.4	1006.2	1032.1	1057.8
115°	1142.2	1128.4	1114.8	1101.0	1087.2	1073.5	1059.7	1073.6	1087.4	1101.2	1115.0
117.5°	1097.4	1092.4	1087.3	1082.3	1077.3	1072.3	1067.2	1072.4	1077.5	1082.6	1087.7
120°	1007.9	1008.1	1008.3	1008.4	1008.6	1008.6	1008.7	1008.7	1008.7	1008.7	1008.7
122.5°	910.0	913.0	916.1	919.2	922.2	925.3	928.2	925.4	922.5	919.7	916.8
125°	819.4	822.6	825.8	828.9	831.8	835.0	837.9	835.2	832.3	829.4	826.4
127.5°	741.7	744.4	747.1	749.9	752.4	755.1	757.6	755.3	752.8	750.4	747.9
130°	676.8	678.7	680.5	682.4	684.1	685.9	687.5	686.1	684.5	683.1	681.3
132.5°	628.6	629.8	631.1	632.2	633.3	634.4	635.4	634.6	633.7	632.8	631.9
135°	590.4	590.9	591.5	592.0	592.5	593.0	593.2	593.2	593.0	592.8	592.4
137.5°	558.1	558.0	557.9	557.7	557.6	557.3	557.0	557.6	558.0	558.6	559.0
140°	535.7	535.7	535.5	535.4	535.4	535.1	534.7	535.4	535.8	536.2	536.6
142.5°	513.2	513.1	513.1	512.9	512.8	512.5	512.2	512.8	513.2	513.6	514.0
145°	496.1	495.8	495.3	495.0	494.6	494.1	493.5	494.4	495.0	495.7	496.3
147.5°	479.3	479.1	478.6	478.2	477.8	477.4	476.8	477.6	478.2	478.9	479.5
150°	466.0	466.0	466.0	466.1	466.1	466.0	466.0	466.2	466.6	466.8	467.0
152.5°	453.0	453.1	453.1	453.1	453.2	453.0	452.9	453.3	453.7	454.0	454.2
155°	440.9	441.1	441.3	441.5	441.7	441.9	442.1	442.2	442.3	442.4	442.4
157.5°	430.1	430.4	430.6	430.7	430.9	431.1	431.3	431.5	431.6	431.8	431.8
160°	421.4	421.7	421.8	422.1	422.3	422.5	422.6	422.7	422.9	423.0	423.1
162.5°	414.9	415.1	415.2	415.5	415.6	415.8	416.0	416.2	416.3	416.4	416.5
165°	407.0	407.4	407.8	408.3	408.6	409.1	409.4	409.4	409.2	409.2	409.0
167.5°	404.4	404.9	405.2	405.7	405.9	406.4	406.7	406.7	406.5	406.4	406.3
170°	401.6	401.9	402.3	402.7	403.0	403.4	403.7	403.6	403.4	403.4	403.2
172.5°	399.1	399.7	400.3	400.8	401.3	401.8	402.4	402.1	401.7	401.4	400.9
175°	397.8	398.4	398.9	399.4	399.8	400.4	400.9	400.4	400.2	399.8	399.4
177.5°	401.0	401.7	402.4	403.0	403.8	404.4	405.2	404.5	403.9	403.2	402.6
180°	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3



TEST NUMBER: P1444864
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL40

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°	37.2	38.7	40.0	41.5	43.2	47.1	51.0	54.9	59.0	63.0	67.0
92.5°	47.7	49.6	51.7	53.6	55.7	61.7	67.6	73.7	79.8	85.7	91.7
95°	54.7	56.5	58.3	60.1	61.9	70.5	79.3	87.9	96.6	105.3	114.0
97.5°	61.7	62.8	63.9	65.0	66.2	76.4	86.6	96.8	107.0	117.3	127.6
100°	71.1	72.4	73.7	75.2	76.5	100.1	123.7	147.2	170.8	194.3	217.9
102.5°	119.9	128.1	136.4	144.7	152.9	210.1	267.3	324.4	381.5	438.7	495.9
105°	284.3	312.1	340.1	367.8	395.6	482.1	568.7	655.2	741.7	828.2	914.8
107.5°	584.9	633.8	682.8	731.8	780.7	862.1	943.4	1024.9	1106.3	1187.6	1268.9
110°	900.7	942.9	985.2	1027.5	1069.8	1134.4	1199.1	1263.9	1328.5	1393.2	1457.9



TEST NUMBER: P1444864
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL40

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	1083.7	1109.5	1135.2	1161.0	1186.9	1234.3	1282.0	1329.5	1377.0	1424.5	1472.0
115°	1128.8	1142.5	1156.3	1170.0	1183.8	1212.7	1241.6	1270.4	1299.2	1328.0	1356.9
117.5°	1092.8	1097.9	1103.0	1108.0	1113.0	1128.0	1143.1	1158.0	1173.1	1188.2	1203.1
120°	1008.7	1008.6	1008.6	1008.4	1008.3	1013.2	1018.3	1023.2	1028.2	1033.2	1038.1
122.5°	913.7	910.7	907.7	904.7	901.7	900.6	899.6	898.5	897.5	896.3	895.3
125°	823.4	820.4	817.3	814.4	811.3	807.8	804.2	800.6	797.1	793.6	790.0
127.5°	745.3	742.7	740.2	737.5	734.9	730.8	726.9	722.9	718.9	714.9	710.8
130°	679.7	678.0	676.4	674.4	672.8	669.2	666.0	662.6	659.2	655.9	652.5
132.5°	631.0	629.9	628.8	627.7	626.6	623.6	620.7	617.8	614.8	611.8	608.9
135°	592.1	591.7	591.3	590.8	590.4	588.3	586.3	584.2	582.3	580.1	578.1
137.5°	559.2	559.5	559.8	560.0	560.3	558.7	557.0	555.4	553.8	552.3	550.6
140°	536.9	537.2	537.5	537.7	538.0	536.1	534.3	532.6	530.8	528.9	527.1
142.5°	514.4	514.7	514.9	515.2	515.5	514.1	512.8	511.5	510.2	508.9	507.6
145°	496.9	497.4	498.0	498.4	498.9	497.2	495.5	493.7	492.1	490.3	488.6
147.5°	480.3	480.7	481.3	481.8	482.4	480.9	479.4	477.9	476.5	475.0	473.7
150°	467.3	467.3	467.5	467.7	467.8	466.1	464.5	462.9	461.3	459.5	458.0
152.5°	454.4	454.6	454.8	455.0	455.2	453.4	451.5	449.8	447.9	446.0	444.2
155°	442.5	442.5	442.5	442.5	442.5	440.8	439.0	437.2	435.5	433.6	431.9
157.5°	431.9	431.9	432.0	432.0	432.1	430.6	429.0	427.5	425.9	424.2	422.7
160°	423.2	423.3	423.4	423.5	423.5	422.2	420.9	419.5	418.3	416.8	415.5
162.5°	416.6	416.8	416.8	416.9	417.0	415.7	414.3	413.0	411.7	410.3	409.0
165°	408.9	408.7	408.6	408.3	408.3	407.3	406.6	405.7	404.8	403.8	403.0
167.5°	406.2	405.9	405.8	405.7	405.6	404.9	404.4	403.6	403.0	402.2	401.6
170°	403.1	402.9	402.8	402.6	402.4	401.7	401.2	400.5	400.0	399.1	398.5
172.5°	400.6	400.2	399.9	399.5	399.1	398.6	398.1	397.8	397.4	396.9	396.5
175°	399.0	398.6	398.2	397.8	397.4	397.3	397.0	396.8	396.5	396.4	396.1
177.5°	401.9	401.4	400.6	400.0	399.4	399.2	399.0	398.8	398.7	398.4	398.2
180°	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3



TEST NUMBER: P1444864
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL40

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°	71.0	77.9	81.8	78.5	74.3	71.0	66.9	63.6	59.6	56.5	52.5
92.5°	97.7	103.7	109.7	104.3	99.0	93.7	88.4	83.0	77.7	72.3	67.0
95°	122.6	131.3	139.9	132.8	125.6	118.5	111.3	104.2	97.1	89.9	82.9
97.5°	137.8	147.9	158.1	151.0	143.9	136.7	129.5	122.5	115.3	108.1	101.1
100°	241.4	264.9	288.4	268.1	247.9	227.7	207.5	187.1	166.9	146.7	126.5
102.5°	552.9	610.1	667.1	615.9	564.8	513.5	462.3	411.2	360.0	308.7	257.6
105°	1001.2	1087.6	1174.0	1095.9	1017.8	939.6	861.5	783.3	705.2	627.1	548.9
107.5°	1350.4	1431.5	1512.7	1442.1	1371.6	1300.9	1230.3	1159.9	1089.3	1018.7	948.2
110°	1522.5	1586.8	1651.4	1604.0	1556.9	1509.5	1462.3	1415.0	1367.8	1320.6	1273.4



TEST NUMBER: P1444864
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL40

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	1519.5	1566.7	1614.0	1586.4	1559.0	1531.5	1504.0	1476.5	1449.0	1421.5	1394.1
115°	1385.6	1413.9	1442.5	1431.9	1421.3	1410.6	1400.0	1389.4	1378.8	1368.2	1357.7
117.5°	1218.0	1232.4	1247.2	1245.7	1244.1	1242.5	1241.0	1239.4	1238.0	1236.5	1235.0
120°	1043.0	1047.3	1052.0	1053.9	1055.9	1057.9	1059.9	1061.9	1063.9	1065.9	1067.9
122.5°	894.2	892.4	891.0	893.0	894.9	896.8	898.8	900.6	902.6	904.6	906.6
125°	786.5	782.0	778.2	777.0	775.9	774.6	773.4	772.2	771.0	769.8	768.7
127.5°	706.8	701.9	697.6	694.0	690.2	686.5	682.9	679.3	675.7	671.9	668.3
130°	649.1	644.8	641.2	636.4	631.6	626.7	621.9	617.2	612.4	607.6	602.8
132.5°	606.1	602.1	598.9	594.4	589.8	585.2	580.6	576.1	571.5	566.9	562.3
135°	576.1	573.0	570.7	566.5	562.6	558.4	554.2	550.1	546.0	541.9	537.9
137.5°	549.0	546.2	544.5	541.3	538.1	534.9	531.8	528.5	525.3	522.0	518.9
140°	525.4	522.3	520.3	518.8	517.1	515.6	514.0	512.3	510.7	509.2	507.5
142.5°	506.3	503.7	502.1	501.3	500.4	499.4	498.7	497.7	496.8	495.8	494.9
145°	486.9	483.8	481.8	482.0	482.4	482.6	482.9	483.1	483.4	483.6	483.9
147.5°	472.2	469.1	467.3	467.9	468.5	469.0	469.6	470.0	470.6	471.2	471.7
150°	456.3	452.9	450.7	451.5	452.3	453.1	454.0	454.8	455.5	456.4	457.1
152.5°	442.4	438.4	435.9	436.8	437.6	438.4	439.3	440.1	441.0	441.9	442.7
155°	430.0	425.7	423.3	423.7	424.0	424.4	424.8	425.3	425.7	426.1	426.6
157.5°	421.1	416.9	414.7	414.7	414.9	415.0	415.3	415.5	415.8	416.0	416.3
160°	414.2	410.1	408.1	408.1	408.3	408.4	408.6	408.8	409.1	409.3	409.6
162.5°	407.6	403.6	401.6	401.7	401.8	401.9	402.1	402.2	402.4	402.6	402.9
165°	401.9	398.8	397.2	397.5	397.8	398.1	398.5	399.0	399.3	399.7	400.2
167.5°	400.9	398.1	396.9	396.8	396.6	396.5	396.5	396.5	396.5	396.4	396.4
170°	397.8	395.5	394.4	394.5	394.8	394.9	395.0	395.2	395.3	395.5	395.8
172.5°	396.0	394.3	393.6	393.9	394.4	394.8	395.2	395.6	396.1	396.5	396.9
175°	395.9	394.9	394.6	394.7	395.0	395.2	395.4	395.6	395.9	396.1	396.5
177.5°	398.0	397.6	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.4	397.4
180°	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3



TEST NUMBER: P1444864
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL40

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°	49.4	47.0	45.5	43.0	41.8	39.2	38.2	35.8	34.9	32.2	35.7
92.5°	61.6	58.7	55.8	53.0	50.1	47.1	44.2	41.3	38.5	35.6	38.5
95°	75.7	73.0	70.4	67.7	65.0	62.4	59.7	57.0	54.4	51.8	55.1
97.5°	93.9	92.4	90.8	89.3	87.7	86.1	84.5	83.1	81.5	79.9	82.1
100°	106.2	106.2	106.2	106.2	106.1	106.1	106.1	106.1	106.1	106.1	107.9
102.5°	206.4	201.3	196.2	191.0	185.9	180.7	175.6	170.5	165.4	160.3	167.8
105°	470.9	450.9	430.8	410.9	390.7	370.7	350.6	330.7	310.6	290.6	311.3
107.5°	877.6	841.0	804.6	768.1	731.5	695.1	658.6	622.0	585.6	549.1	581.8
110°	1226.2	1187.4	1148.8	1110.0	1071.3	1032.5	993.9	955.1	916.5	877.7	908.9



TEST NUMBER: P1444864
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL40

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	1366.6	1341.6	1316.7	1291.7	1266.8	1241.9	1217.0	1192.1	1167.2	1142.3	1157.4
115°	1347.0	1335.2	1323.3	1311.5	1299.6	1287.9	1276.0	1264.2	1252.4	1240.6	1241.6
117.5°	1233.5	1229.6	1225.7	1221.9	1218.1	1214.2	1210.4	1206.6	1202.7	1199.0	1190.6
120°	1070.1	1071.5	1072.8	1074.3	1075.8	1077.4	1078.8	1080.3	1081.9	1083.4	1072.1
122.5°	908.6	911.7	915.0	918.2	921.4	924.7	928.0	931.3	934.7	938.0	926.7
125°	767.4	770.6	773.8	777.0	780.2	783.4	786.8	790.1	793.4	796.8	787.2
127.5°	664.7	666.1	667.4	668.7	670.1	671.7	673.1	674.5	676.1	677.8	671.7
130°	598.1	597.3	596.7	596.1	595.4	594.9	594.4	593.9	593.4	593.0	590.2
132.5°	557.7	555.7	553.8	551.6	549.7	547.8	545.9	544.1	542.2	540.6	539.6
135°	533.7	530.7	527.7	524.9	522.0	519.3	516.4	513.8	511.1	508.4	508.7
137.5°	515.7	512.8	509.9	507.0	504.0	501.3	498.6	495.8	493.2	490.6	491.3
140°	505.9	502.9	500.0	497.2	494.4	491.5	488.7	486.1	483.3	480.8	481.3
142.5°	494.0	491.4	488.6	486.1	483.5	480.9	478.4	476.0	473.5	471.2	471.7
145°	484.2	482.2	480.3	478.2	476.4	474.6	472.6	470.9	469.1	467.4	467.6
147.5°	472.2	470.8	469.2	467.8	466.4	465.0	463.6	462.3	460.9	459.7	459.8
150°	458.0	457.0	456.0	455.1	454.2	453.2	452.4	451.5	450.6	449.8	449.6
152.5°	443.6	442.6	441.7	440.8	439.9	439.0	438.2	437.3	436.6	435.7	435.6
155°	427.1	426.6	426.2	425.8	425.3	425.0	424.5	424.3	423.9	423.5	423.5
157.5°	416.5	416.3	416.1	416.1	415.8	415.7	415.4	415.4	415.1	415.1	415.2
160°	409.8	409.5	409.0	408.8	408.3	408.0	407.6	407.4	407.0	406.7	407.0
162.5°	403.0	403.2	403.2	403.3	403.4	403.5	403.6	403.7	403.8	404.0	404.1
165°	400.6	400.4	400.3	400.1	400.0	399.8	399.7	399.6	399.4	399.4	399.7
167.5°	396.4	396.5	396.8	397.0	397.2	397.6	397.8	398.1	398.4	398.8	399.1
170°	395.9	395.9	395.9	395.9	395.9	396.0	396.0	396.0	396.1	396.2	396.4
172.5°	397.4	397.4	397.3	397.4	397.3	397.4	397.4	397.4	397.4	397.5	397.7
175°	396.5	396.8	397.1	397.3	397.5	397.8	397.9	398.1	398.4	398.6	398.6
177.5°	397.4	397.4	397.4	397.4	397.4	397.5	397.5	397.5	397.5	397.4	397.6
180°	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3



TEST NUMBER: P1444864
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL40

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°	37.2	40.3	42.0	45.1	46.8	50.1	51.9	55.1	57.3	61.0	63.5
92.5°	41.3	44.2	47.1	50.1	53.0	55.8	58.7	61.6	67.8	74.0	80.3
95°	58.4	61.8	65.1	68.4	71.7	75.1	78.4	81.8	90.9	100.0	109.1
97.5°	84.4	86.6	88.8	91.1	93.3	95.5	97.7	100.0	109.7	119.6	129.3
100°	109.6	111.4	113.2	115.0	116.8	118.6	120.3	122.1	141.1	160.0	178.9
102.5°	175.4	182.9	190.6	198.1	205.8	213.3	220.9	228.5	271.9	315.2	358.6
105°	332.0	352.7	373.5	394.1	414.8	435.6	456.2	476.9	546.3	615.7	685.2
107.5°	614.5	647.2	679.9	712.6	745.3	778.0	810.7	843.5	911.2	978.9	1046.6
110°	940.0	971.1	1002.2	1033.5	1064.7	1095.8	1126.9	1158.1	1198.7	1239.3	1279.8



TEST NUMBER: P1444864
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL40

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	1172.5	1187.6	1202.7	1218.0	1233.1	1248.3	1263.4	1278.6	1298.8	1318.9	1339.0
115°	1242.5	1243.4	1244.3	1245.3	1246.1	1247.1	1248.1	1249.1	1255.3	1261.4	1267.6
117.5°	1182.1	1173.7	1165.3	1157.0	1148.7	1140.3	1131.9	1123.7	1122.0	1120.4	1118.7
120°	1061.0	1049.6	1038.4	1026.9	1015.8	1004.6	993.4	982.3	976.2	970.2	964.2
122.5°	915.5	904.1	893.0	881.6	870.4	859.2	848.2	837.0	832.7	828.1	823.8
125°	777.7	768.3	758.8	749.3	740.0	730.7	721.4	712.1	711.2	710.3	709.6
127.5°	665.9	659.9	654.1	648.3	642.5	636.7	631.1	625.3	627.0	628.6	630.3
130°	587.4	584.6	582.0	579.1	576.6	574.0	571.4	568.8	572.3	575.7	579.3
132.5°	539.0	538.2	537.6	536.8	536.3	535.7	535.2	534.6	538.8	542.8	547.0
135°	509.1	509.4	510.0	510.4	511.0	511.4	512.0	512.5	516.5	520.3	524.3
137.5°	492.2	492.9	493.8	494.8	495.7	496.6	497.6	498.6	501.6	504.6	507.6
140°	481.9	482.4	483.1	483.8	484.5	485.2	486.0	486.7	489.1	491.3	493.6
142.5°	472.3	472.7	473.5	474.1	474.9	475.4	476.2	476.9	478.5	480.1	481.7
145°	468.1	468.4	468.8	469.2	469.7	470.1	470.6	471.1	472.0	472.7	473.7
147.5°	459.9	460.0	460.2	460.4	460.7	460.8	461.0	461.2	461.6	462.0	462.5
150°	449.5	449.4	449.4	449.2	449.2	449.2	449.2	449.1	449.5	450.0	450.3
152.5°	435.5	435.4	435.2	435.1	435.0	435.0	434.8	434.8	435.2	435.7	436.0
155°	423.7	423.8	424.0	424.0	424.2	424.3	424.5	424.6	424.8	424.9	425.1
157.5°	415.3	415.4	415.6	415.7	415.9	416.0	416.1	416.2	416.4	416.5	416.6
160°	407.3	407.7	408.0	408.4	408.7	409.0	409.5	409.7	409.9	410.0	410.2
162.5°	404.3	404.4	404.5	404.6	404.7	404.9	405.0	405.2	405.6	405.9	406.2
165°	400.1	400.4	400.8	401.1	401.5	401.8	402.2	402.6	402.7	402.8	403.0
167.5°	399.4	399.7	400.2	400.4	400.9	401.2	401.7	401.9	402.0	402.1	402.3
170°	396.8	397.1	397.5	397.8	398.1	398.4	398.9	399.1	399.4	399.8	400.1
172.5°	398.0	398.2	398.6	398.8	399.1	399.4	399.8	400.1	400.4	400.7	400.9
175°	398.6	398.6	398.6	398.7	398.7	398.7	398.7	398.8	398.9	398.9	398.9
177.5°	397.8	398.0	398.2	398.5	398.7	398.9	399.1	399.3	399.3	399.3	399.3
180°	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3



TEST NUMBER: P1444864
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL40

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°	67.5	70.2	74.3	77.0	81.6	84.5	82.9	79.4	77.8	74.3	72.7
92.5°	86.4	92.8	99.0	105.3	111.5	117.7	112.0	106.2	100.3	94.6	88.8
95°	118.2	127.4	136.5	145.6	154.7	163.8	154.0	144.2	134.4	124.7	114.8
97.5°	139.1	148.9	158.7	168.4	178.3	188.1	176.4	164.9	153.3	141.9	130.3
100°	197.8	216.8	235.6	254.6	273.5	292.5	270.9	249.3	227.8	206.3	184.6
102.5°	402.1	445.4	488.8	532.3	575.7	619.1	573.3	527.6	481.7	435.8	390.0
105°	754.6	824.1	893.5	963.0	1032.4	1101.9	1027.7	953.5	879.1	804.9	730.7
107.5°	1114.3	1181.8	1249.7	1317.3	1385.0	1452.8	1377.4	1302.1	1226.7	1151.4	1076.0
110°	1320.4	1361.0	1401.6	1442.1	1482.7	1523.4	1468.3	1413.2	1358.2	1303.0	1247.9



TEST NUMBER: P1444864
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL40

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	1359.1	1379.4	1399.4	1419.7	1439.8	1460.0	1420.5	1381.1	1341.5	1302.1	1262.6
115°	1273.8	1279.9	1286.1	1292.3	1298.4	1304.7	1277.8	1251.1	1224.3	1197.5	1170.8
117.5°	1117.2	1115.7	1114.1	1112.5	1110.8	1109.4	1094.2	1079.1	1063.7	1048.6	1033.4
120°	958.3	952.2	946.2	940.3	934.2	928.3	921.6	914.9	908.1	901.4	894.6
122.5°	819.4	815.0	810.7	806.3	801.7	797.4	794.4	791.6	788.6	785.8	782.8
125°	708.8	708.0	707.1	706.3	705.5	704.6	702.9	701.1	699.3	697.6	695.7
127.5°	631.9	633.7	635.2	636.9	638.6	640.2	639.2	638.5	637.6	636.7	635.8
130°	582.6	586.2	589.5	593.1	596.3	599.8	598.5	597.2	595.9	594.6	593.3
132.5°	551.2	555.1	559.2	563.4	567.4	571.5	570.0	568.5	566.9	565.6	564.0
135°	528.1	532.0	535.8	539.8	543.5	547.3	545.6	543.9	542.0	540.5	538.7
137.5°	510.5	513.6	516.5	519.4	522.3	525.3	523.5	521.8	520.0	518.4	516.6
140°	495.9	498.2	500.3	502.7	504.9	507.2	505.2	503.2	501.2	499.2	497.3
142.5°	483.2	484.9	486.4	488.0	489.6	491.1	488.6	486.2	483.7	481.3	478.9
145°	474.6	475.5	476.4	477.3	478.0	479.0	476.2	473.6	470.8	468.1	465.3
147.5°	462.9	463.3	463.6	464.0	464.4	464.8	462.2	459.7	457.2	454.6	452.1
150°	450.6	451.2	451.5	451.7	452.2	452.5	449.9	447.4	444.8	442.2	439.7
152.5°	436.4	436.8	437.1	437.4	437.8	438.1	435.8	433.3	431.0	428.6	426.2
155°	425.2	425.3	425.4	425.5	425.6	425.7	423.7	421.8	419.9	417.9	415.9
157.5°	416.7	416.9	417.0	417.1	417.2	417.3	415.7	414.2	412.7	411.2	409.6
160°	410.3	410.4	410.5	410.6	410.7	410.8	409.5	408.2	407.0	405.7	404.3
162.5°	406.6	407.0	407.3	407.5	408.0	408.2	406.7	405.2	403.7	402.1	400.5
165°	403.0	403.1	403.2	403.3	403.4	403.5	402.4	401.4	400.3	399.2	398.2
167.5°	402.4	402.5	402.6	402.7	402.7	402.8	401.7	400.7	399.6	398.5	397.4
170°	400.4	400.7	401.0	401.2	401.6	401.7	400.9	400.1	399.1	398.4	397.5
172.5°	401.2	401.6	401.7	402.0	402.3	402.6	401.7	400.8	399.9	399.1	398.1
175°	398.9	399.0	399.1	399.1	399.1	399.1	398.4	397.8	397.1	396.5	395.7
177.5°	399.3	399.3	399.3	399.3	399.3	399.3	398.9	398.4	398.0	397.6	397.0
180°	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3



TEST NUMBER: P1444864
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL40

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°	69.3	67.8	64.4	62.9	61.1	61.1	59.6	59.6	58.0	57.8	55.7
92.5°	83.1	77.2	71.4	65.7	62.8	59.8	57.0	54.0	51.2	48.2	45.2
95°	105.1	95.3	85.5	75.7	72.4	69.0	65.7	62.3	59.1	55.7	52.4
97.5°	118.7	107.1	95.6	84.0	81.1	78.2	75.3	72.4	69.4	66.5	63.6
100°	163.1	141.5	119.9	98.3	95.9	93.4	91.0	88.5	86.0	83.5	81.1
102.5°	344.3	298.4	252.6	206.8	198.2	189.4	180.8	172.1	163.3	154.7	146.1
105°	656.4	582.1	507.9	433.5	409.9	386.3	362.8	339.2	315.6	292.0	268.5
107.5°	1000.6	925.1	849.9	774.4	730.8	687.3	643.6	600.0	556.4	512.9	469.2
110°	1192.8	1137.7	1082.6	1027.4	992.4	957.3	922.1	886.9	851.8	816.7	781.5



TEST NUMBER: P1444864
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL40

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1223.1	1183.4	1143.9	1104.3	1088.5	1072.4	1056.5	1040.5	1024.4	1008.5	992.5
115°	1143.9	1117.1	1090.3	1063.4	1057.7	1051.9	1046.3	1040.5	1034.7	1028.9	1023.1
117.5°	1018.2	1002.9	987.6	972.5	973.2	973.9	974.7	975.5	976.1	976.8	977.5
120°	888.0	881.2	874.4	867.7	872.3	876.8	881.5	885.9	890.4	894.8	899.3
122.5°	779.9	776.9	774.0	771.0	776.6	782.0	787.5	792.9	798.4	803.7	809.1
125°	694.0	692.2	690.4	688.6	694.0	699.6	705.1	710.5	716.0	721.4	726.7
127.5°	635.0	634.0	633.2	632.3	636.1	639.8	643.5	647.1	650.8	654.4	658.0
130°	592.0	590.7	589.4	588.1	591.5	594.7	598.1	601.2	604.6	607.6	610.8
132.5°	562.5	560.9	559.4	557.9	560.2	562.3	564.6	566.6	568.8	570.8	572.8
135°	537.0	535.2	533.5	531.7	533.7	535.7	537.8	539.6	541.5	543.3	545.2
137.5°	514.9	513.1	511.4	509.5	511.4	513.1	514.8	516.5	518.2	519.8	521.3
140°	495.3	493.3	491.3	489.3	490.8	492.3	493.8	495.3	496.8	498.1	499.5
142.5°	476.4	473.8	471.5	468.9	470.0	471.1	472.1	473.0	474.1	475.0	475.9
145°	462.6	459.8	457.1	454.4	455.2	455.9	456.8	457.6	458.3	459.0	459.7
147.5°	449.6	447.0	444.5	441.9	442.5	443.1	443.6	444.0	444.7	445.1	445.5
150°	437.1	434.5	431.9	429.3	429.8	430.4	430.7	431.3	431.8	432.2	432.6
152.5°	423.8	421.4	418.9	416.5	417.0	417.5	417.8	418.3	418.8	419.2	419.5
155°	413.9	411.9	409.9	407.9	408.3	408.8	409.2	409.6	409.9	410.4	410.7
157.5°	408.1	406.5	405.0	403.3	403.5	403.7	403.9	404.0	404.2	404.4	404.4
160°	403.0	401.7	400.3	398.9	399.0	399.2	399.3	399.4	399.6	399.6	399.7
162.5°	399.0	397.5	395.9	394.3	394.4	394.6	394.8	394.9	395.0	395.2	395.2
165°	397.1	396.0	394.9	393.7	393.7	393.6	393.6	393.4	393.3	393.2	393.0
167.5°	396.3	395.2	394.0	392.8	393.0	393.2	393.3	393.5	393.7	393.8	393.9
170°	396.6	395.6	394.8	393.9	393.8	393.8	393.7	393.6	393.5	393.4	393.3
172.5°	397.3	396.4	395.5	394.5	394.5	394.4	394.4	394.3	394.2	394.1	394.1
175°	395.1	394.4	393.7	393.0	392.9	392.9	392.9	392.8	392.7	392.7	392.6
177.5°	396.5	396.2	395.7	395.2	395.2	395.2	395.2	395.1	395.1	395.1	395.1
180°	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3	397.3



TEST NUMBER: P1444864
CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL40

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°	55.5	53.3
92.5°	42.5	39.7
95°	49.1	45.7
97.5°	60.8	57.9
100°	78.6	76.2
102.5°	137.3	128.7
105°	244.9	221.3
107.5°	425.6	382.1
110°	746.4	711.2



TEST NUMBER: P1444864
CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL40

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	976.4	960.4
115°	1017.3	1011.5
117.5°	978.2	978.8
120°	903.7	908.1
122.5°	814.4	819.7
125°	732.0	737.3
127.5°	661.5	665.0
130°	613.7	616.8
132.5°	574.7	576.6
135°	546.9	548.5
137.5°	522.8	524.3
140°	500.7	502.0
142.5°	476.7	477.6
145°	460.4	460.9
147.5°	445.8	446.3
150°	433.0	433.3
152.5°	419.9	420.2
155°	410.9	411.3
157.5°	404.5	404.5
160°	399.8	399.9
162.5°	395.3	395.3
165°	392.8	392.7
167.5°	393.9	394.0
170°	393.2	393.1
172.5°	394.0	393.9
175°	392.6	392.6
177.5°	395.1	395.0
180°	397.3	397.3

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

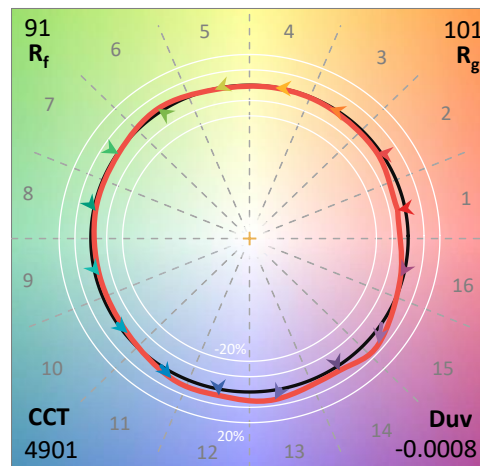
Test Information

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

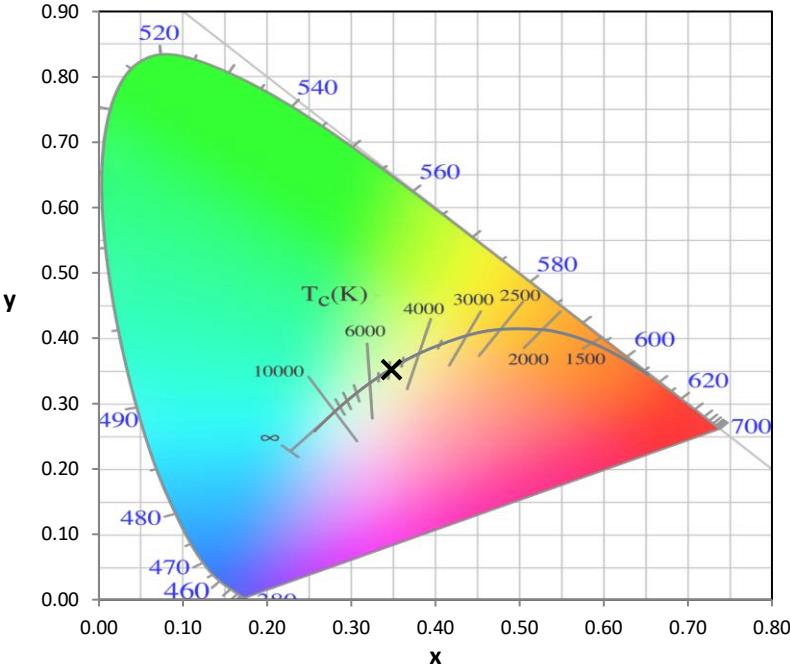
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-8

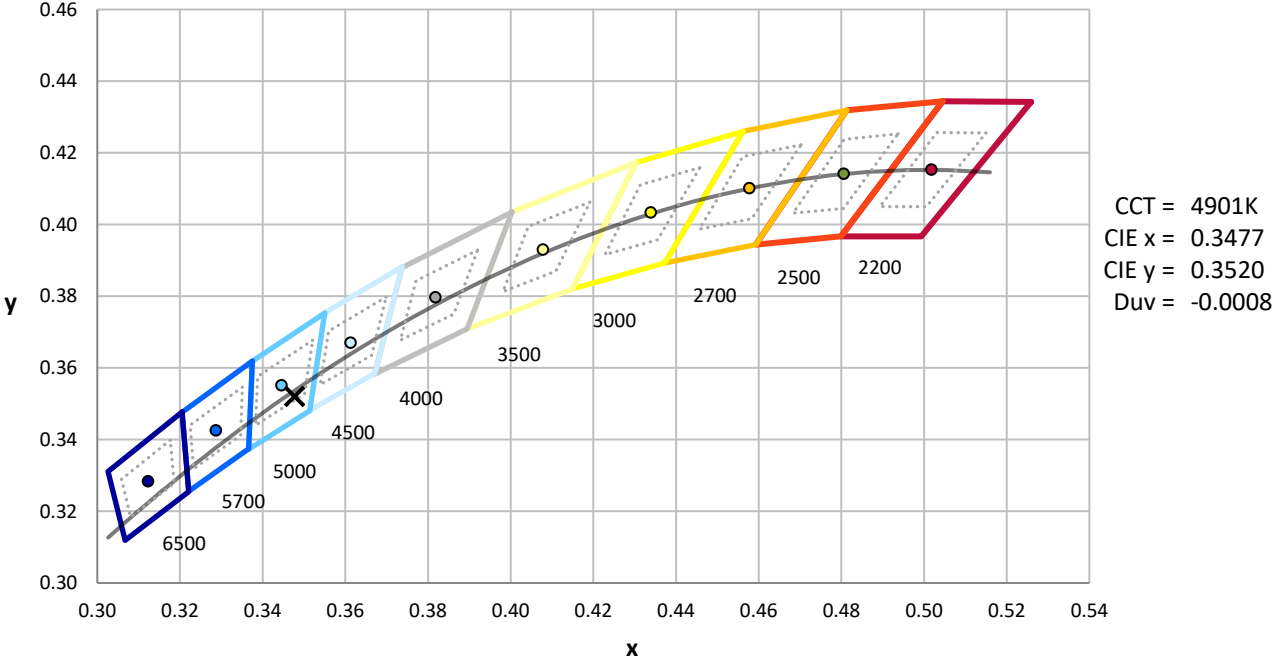
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208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



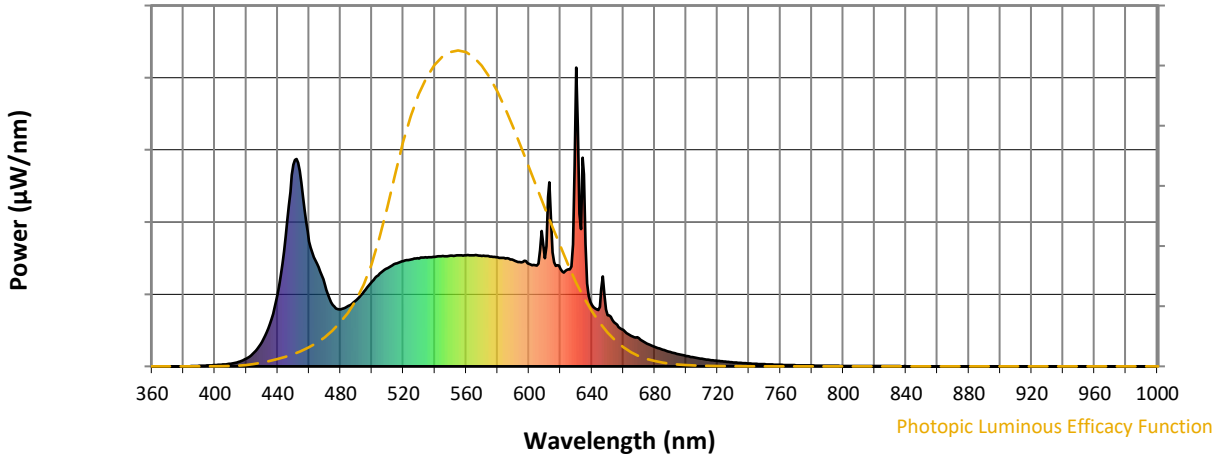
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-8

Photopic Flux vs. Wavelength

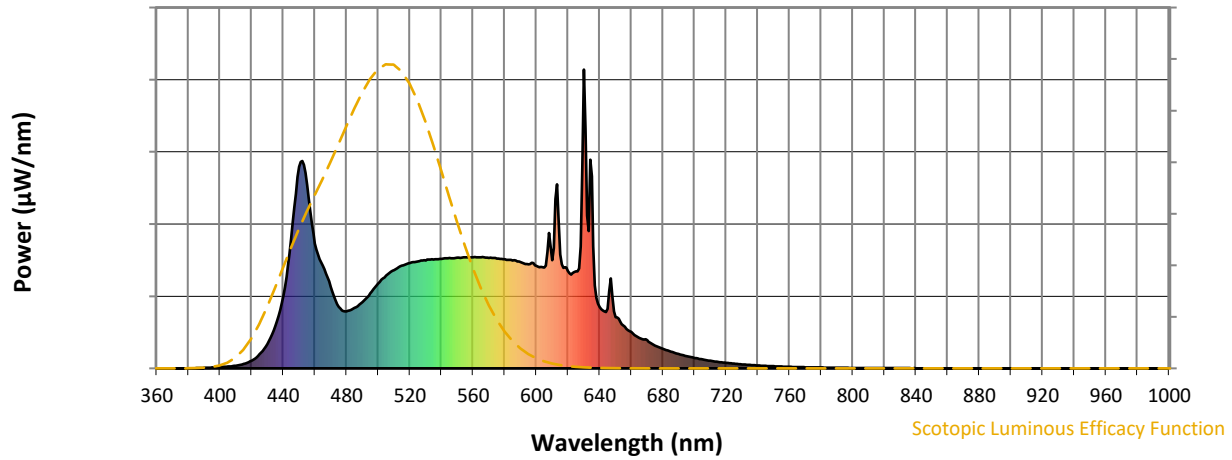


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2506-472-8

Scotopic Flux vs. Wavelength



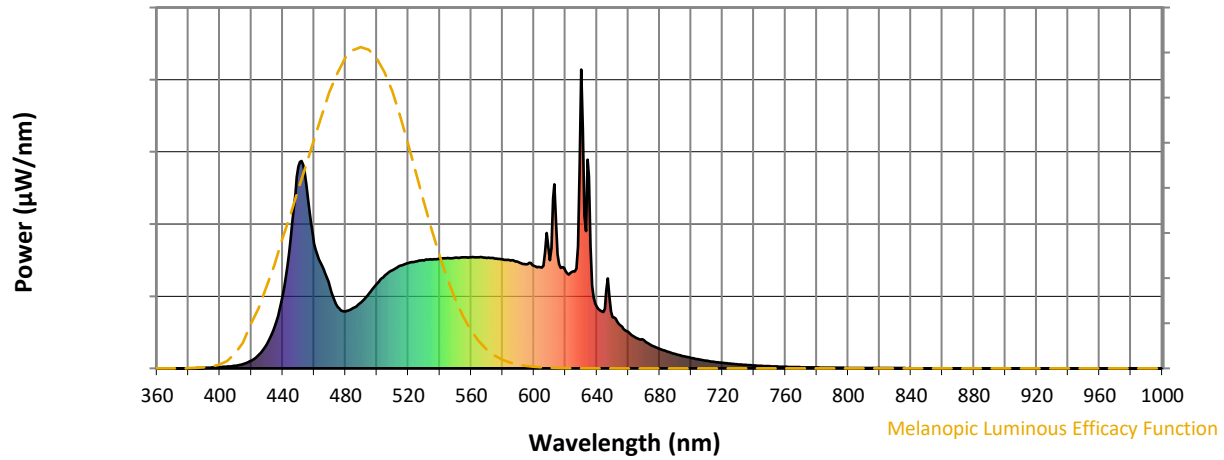
Scotopic Lumens: NR

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			

REPORT NUMBER: SP1-2506-472-8

Melanopic Flux vs. Wavelength



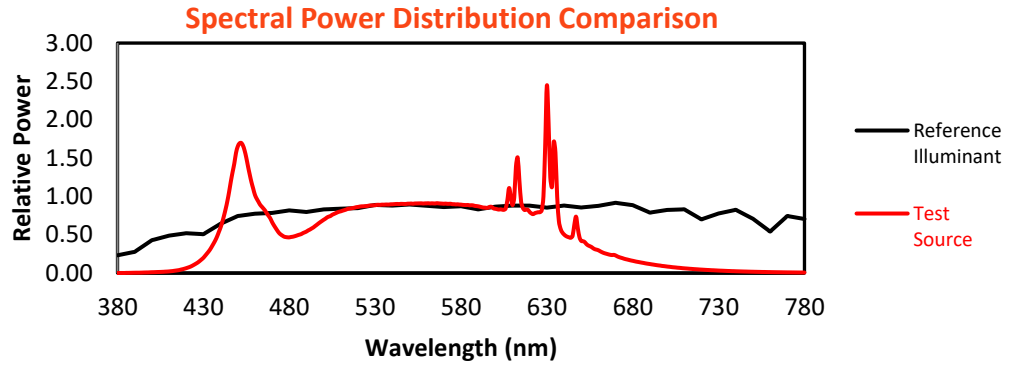
Melanopic Lumens: NR

M/P: 4.41

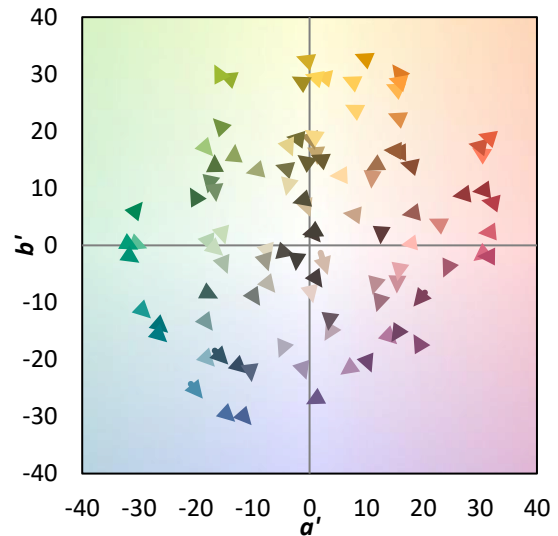
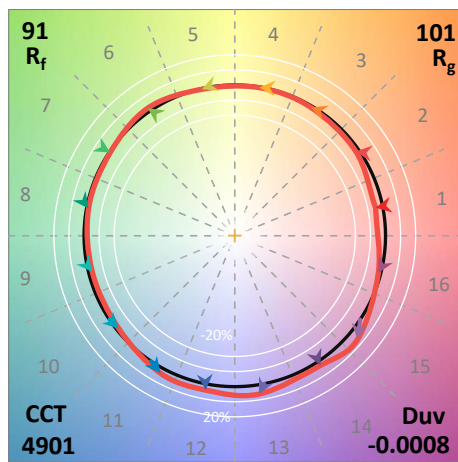
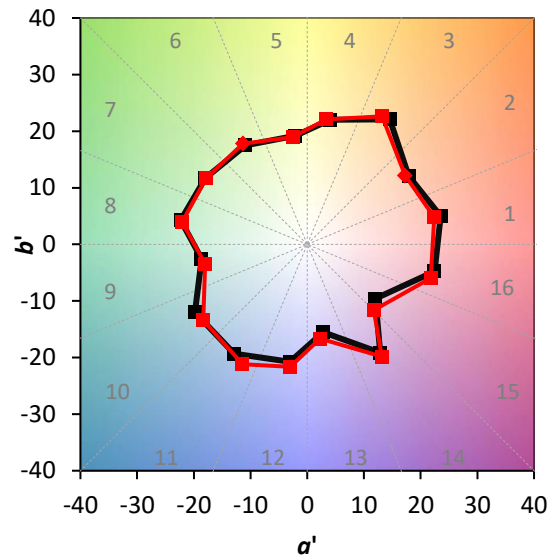
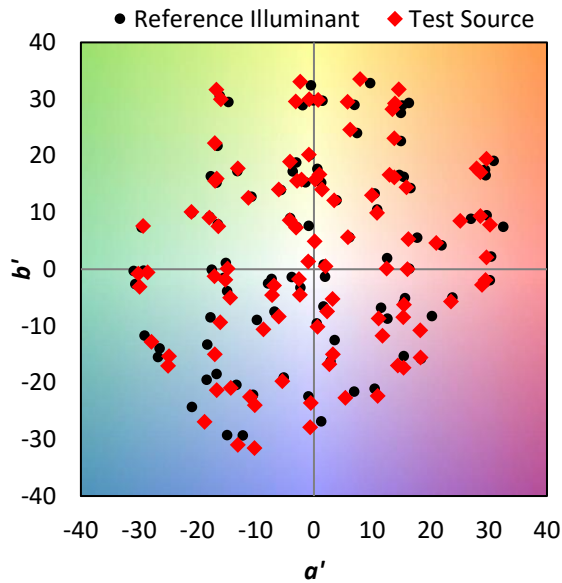
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	221	NR	620	326	NR	750	7	NR	880	0	NR
365	0	NR	495	250	NR	625	325	NR	755	6	NR	885	0	NR
370	0	NR	500	284	NR	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 $R_a = 94.3$
 $R_9 = 72.3$

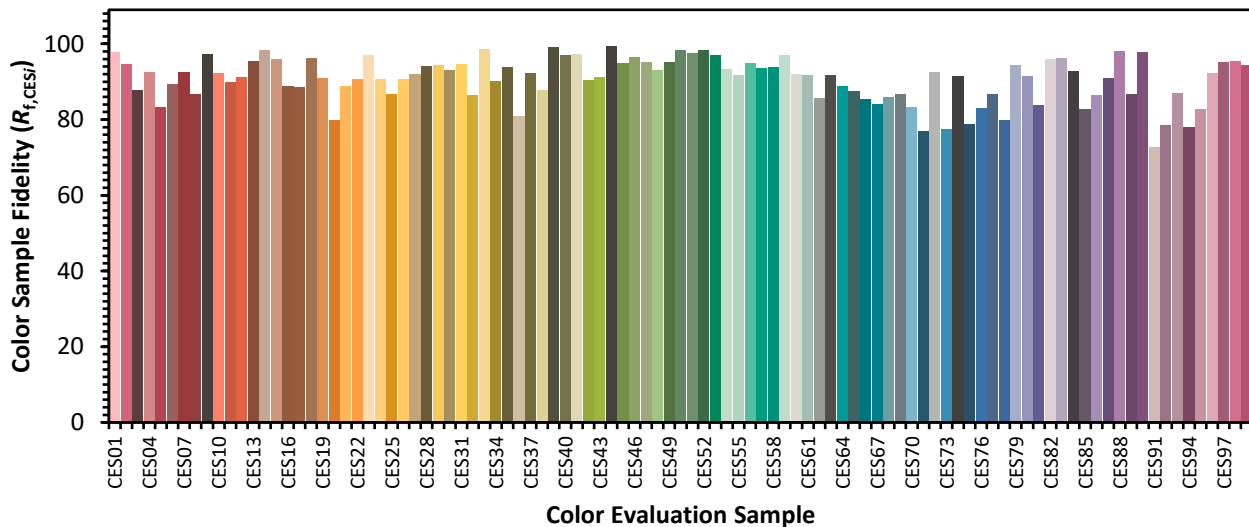


Color Vector Graphics

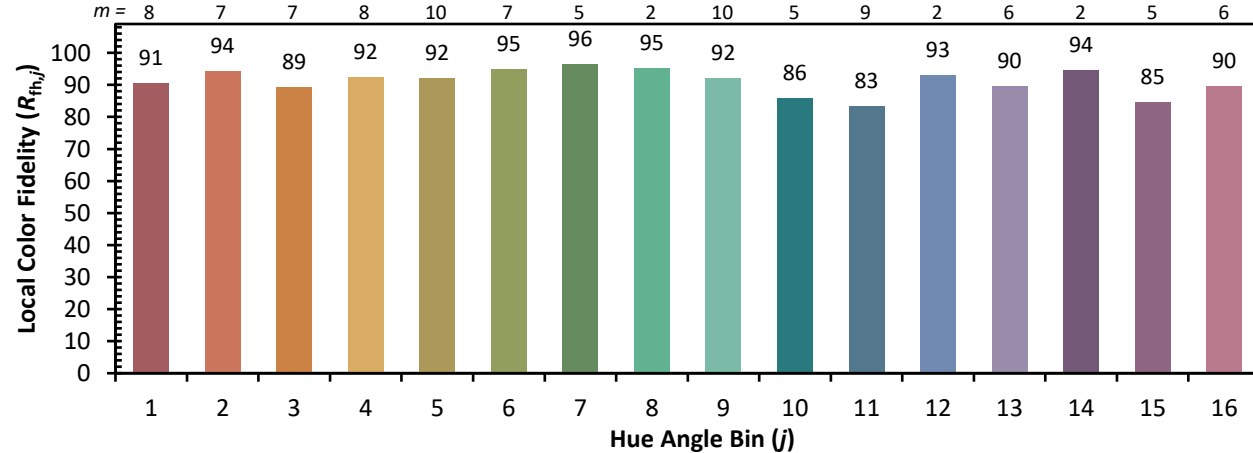
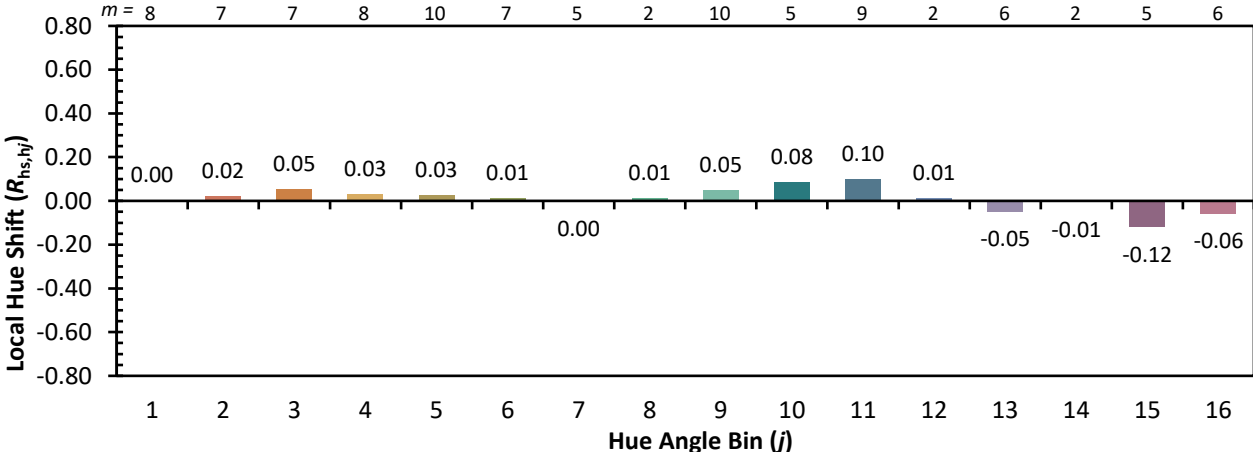
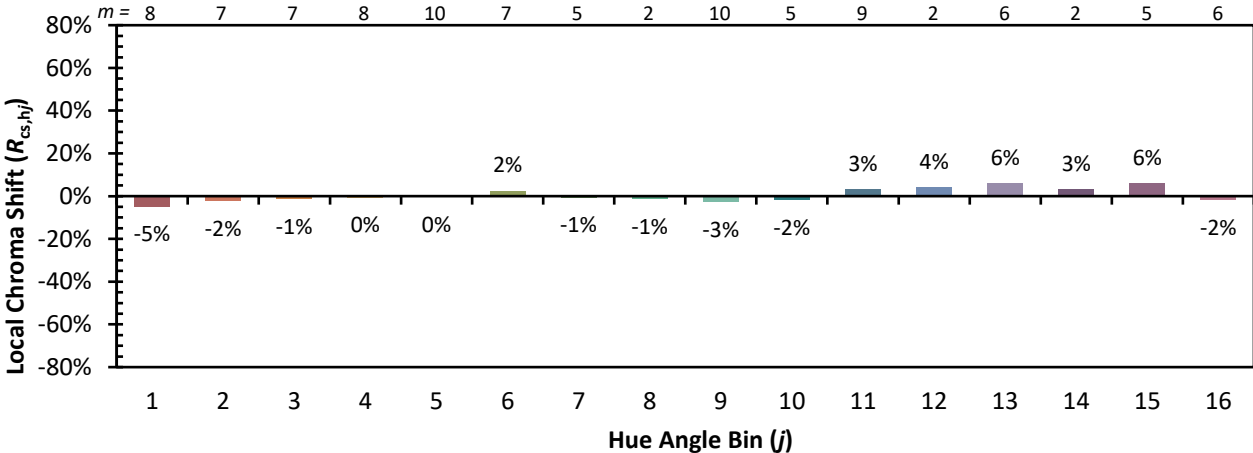


Individual Sample Fidelity Index ($R_{f,i}$)

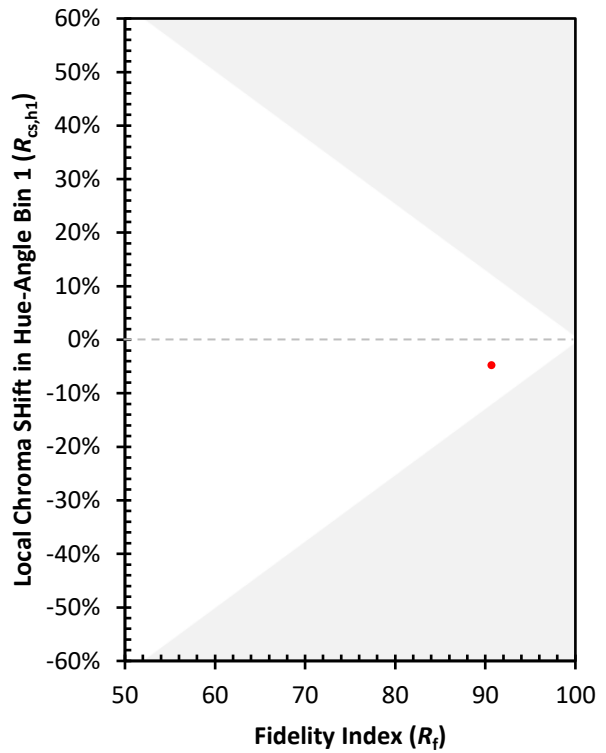
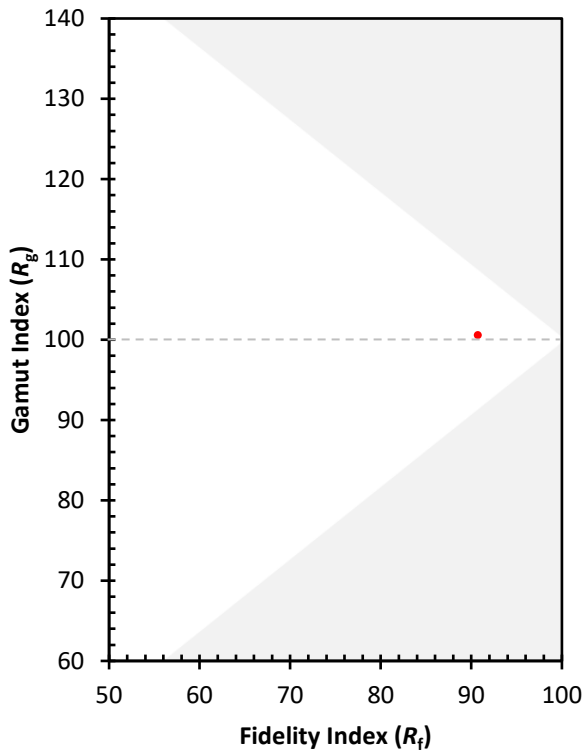
CES01 = 85	CES26 = 91	CES51 = 98	CES76 = 83
CES02 = 61	CES27 = 92	CES52 = 98	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 97	CES78 = 80
CES04 = 69	CES29 = 94	CES54 = 93	CES79 = 94
CES05 = 48	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 50	CES31 = 95	CES56 = 95	CES81 = 84
CES07 = 41	CES32 = 86	CES57 = 94	CES82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