

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: P1444867

Luminaire Tested: EHBR1-18-UNV-TA-L950-UPL15

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444867
REPORT IS A COMBINATION OF REPORTS P1444310 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-18-UNV-TA-L950-UPL15
Description: Elevate Round Highbay at, 18000 lumens, 5000K 90CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

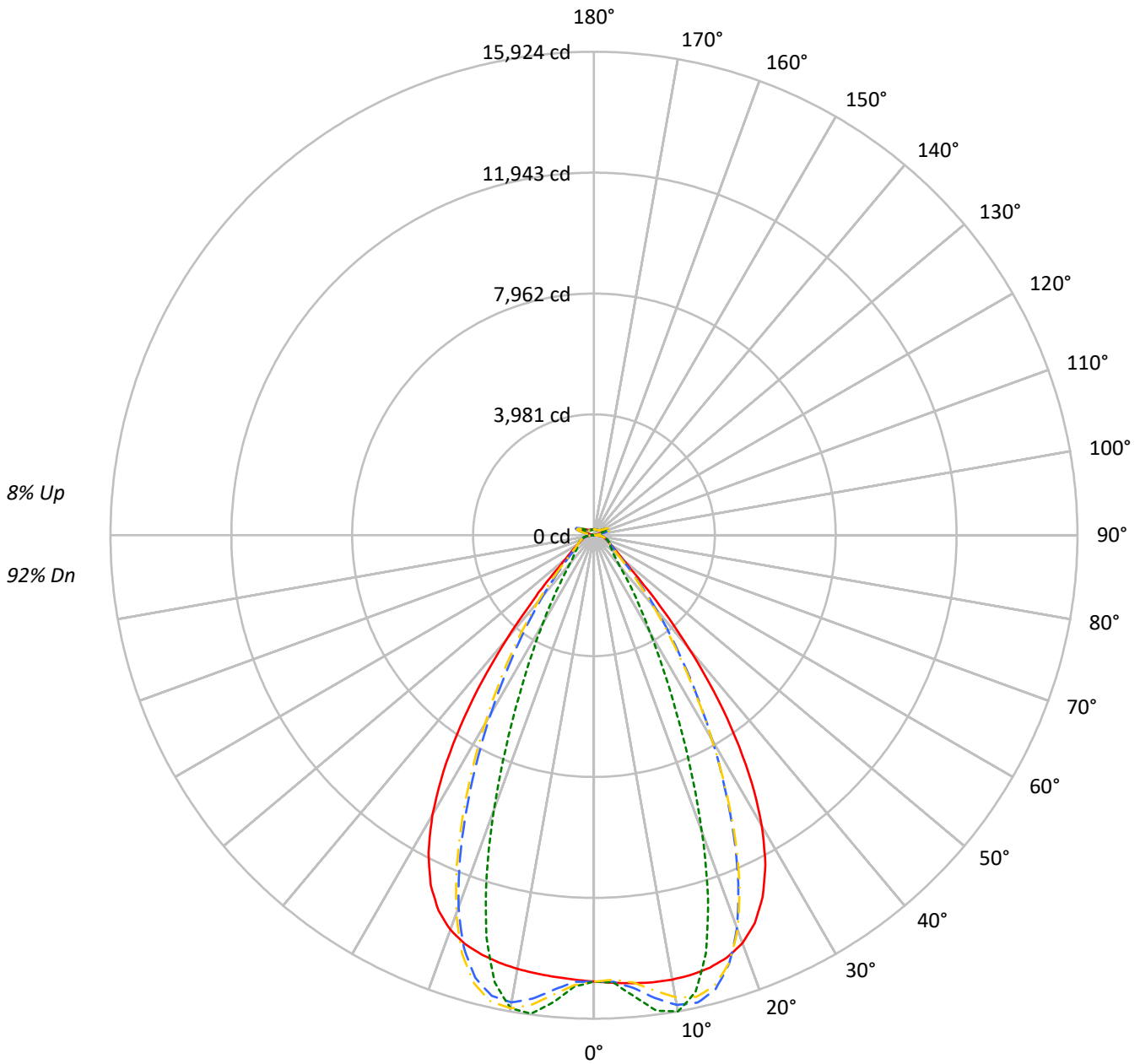
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18401.1 lumens
Efficiency: N/A
Efficacy: 176.9 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 0.77 / 0.88
Luminous Opening: Vertical Cylinder (Dia: 1.71' x H: 0.1')
CIE Type: Direct

Input Watts (W): 104
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

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	117	117	117	117	113	113	113	113	107	107	107	100	100	100	95	95	95	95	95	95	92
1	110	106	103	101	107	104	101	98	98	96	94	93	91	89	88	87	86	88	87	86	83
2	103	97	92	88	100	95	90	87	90	87	83	86	83	80	82	80	78	82	80	78	75
3	97	89	83	79	94	87	82	77	83	79	75	80	76	73	76	73	71	76	73	71	69
4	91	82	76	71	88	80	74	70	77	72	68	74	70	66	71	68	65	71	68	65	63
5	86	76	69	64	83	75	68	64	72	66	62	69	65	61	67	63	60	67	63	60	58
6	81	71	64	59	79	69	63	58	67	61	57	65	60	56	63	59	55	63	59	55	54
7	76	66	59	54	74	65	58	54	63	57	53	61	56	52	59	55	51	59	55	51	50
8	72	62	55	50	70	61	54	50	59	53	49	57	52	49	55	51	48	55	51	48	46
9	68	58	51	47	67	57	51	47	55	50	46	54	49	45	52	48	45	52	48	45	43
10	65	54	48	44	63	54	48	43	52	47	43	51	46	42	50	45	42	50	45	42	41

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	69031	69031	69031	69031
5°	69365	71388	68394	72323
10°	69944	74952	68267	74456
15°	70287	67943	68148	65208
20°	69560	50615	67284	46831
25°	65842	32012	63666	29045
30°	57518	19236	55290	17580
35°	44266	12071	41720	10693
40°	28002	7572	25619	7115
45°	14432	5899	14194	5802
50°	8462	5246	8202	5165
55°	6483	4964	6242	4919
60°	5485	5071	5251	5005
65°	5152	5295	4954	5115
70°	5034	5546	4783	5337
75°	5382	5881	5091	5622
80°	5568	6512	5049	5944
85°	5243	6282	4239	5380

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 22088 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1448.7	7.9
10°-20°	4075.3	22.1
20°-30°	4641.4	25.2
30°-40°	3336.1	18.1
40°-50°	1538.6	8.4
50°-60°	736.3	4.0
60°-70°	537.2	2.9
70°-80°	408.1	2.2
80°-90°	188.1	1.0
90°-100°	42.4	0.2
100°-110°	245.3	1.3
110°-120°	453.3	2.5
120°-130°	276.9	1.5
130°-140°	177.5	1.0
140°-150°	131.2	0.7
150°-160°	91.1	0.5
160°-170°	54.8	0.3
170°-180°	18.7	0.1
0°-30°	10165.4	55.2
0°-40°	13501.5	73.4
0°-60°	15776.3	85.7
0°-90°	16909.8	91.9
90°-120°	741.0	4.0
90°-150°	1326.6	7.2
90°-180°	1491.0	8.1
0°-180°	18401.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	14700	14700	14700	14700	14700	
5°	14810	15242	14603	15442	14810	1415
15°	14746	14254	14297	13680	14746	4155
25°	13148	6393	12714	5800	13148	5961
35°	8124	2216	7657	1962	8124	4986
45°	2335	954	2296	939	2335	1986
55°	876	671	844	665	876	809
65°	538	553	517	534	538	537
75°	379	414	359	396	379	394
85°	180	216	146	185	180	169
90°	51	64	16	19	51	31
95°	19	22	20	22	19	18
105°	88	114	59	114	88	117
115°	395	479	414	480	395	365
125°	297	312	336	312	297	270
135°	233	207	250	208	233	182
145°	206	200	219	202	206	130
155°	192	193	205	195	192	89
165°	191	191	198	192	191	54
175°	195	197	199	198	195	19
180°	198	198	198	198	198	



TEST NUMBER: P1444867
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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6
2.5°	14755.8	14754.6	14754.4	14753.4	14753.1	14753.1	14752.6	14751.4	14750.6	14748.9	14747.1
5°	14810.5	14809.9	14810.3	14810.4	14809.3	14807.1	14803.5	14799.0	14793.5	14788.2	14783.6
7.5°	14852.9	14853.9	14855.2	14855.0	14851.7	14846.3	14839.0	14834.9	14837.3	14845.3	14863.6
10°	14860.6	14866.9	14869.4	14868.6	14862.2	14857.6	14859.4	14874.9	14906.0	14947.3	15003.9
12.5°	14830.5	14838.2	14837.9	14835.4	14829.2	14835.5	14858.1	14904.4	14970.9	15052.5	15148.1
15°	14745.9	14755.9	14753.1	14749.8	14745.6	14766.4	14811.5	14891.9	14994.6	15109.6	15227.3
17.5°	14581.6	14593.8	14587.8	14584.1	14580.6	14619.5	14696.9	14814.8	14944.1	15074.2	15185.7
20°	14296.7	14304.8	14290.8	14284.2	14289.8	14366.1	14480.1	14630.6	14766.9	14889.9	14966.2
22.5°	13831.7	13841.8	13815.6	13812.5	13844.9	13962.0	14106.3	14274.6	14402.7	14500.1	14529.5
25°	13148.5	13158.5	13127.3	13145.9	13201.1	13360.6	13532.5	13712.5	13821.7	13894.0	13874.0
27.5°	12226.5	12235.5	12205.9	12244.0	12331.4	12540.9	12743.1	12938.4	13035.7	13086.4	13022.3
30°	11063.5	11082.3	11047.3	11100.5	11233.8	11505.9	11737.5	11956.5	12053.6	12092.1	11992.4
32.5°	9682.3	9709.1	9670.4	9749.6	9935.6	10262.3	10525.6	10770.3	10877.6	10921.6	10808.8
35°	8124.4	8162.7	8118.5	8237.3	8466.7	8830.6	9122.0	9395.3	9522.4	9584.7	9471.2
37.5°	6473.9	6510.5	6486.5	6645.1	6897.0	7274.1	7571.6	7866.3	8010.0	8103.5	8014.0
40°	4853.5	4887.0	4905.1	5086.4	5323.4	5678.8	5964.6	6256.2	6416.8	6534.3	6479.0
42.5°	3425.6	3459.4	3521.0	3696.0	3893.5	4187.8	4432.6	4694.4	4847.9	4973.2	4951.8
45°	2335.1	2374.4	2451.6	2594.8	2737.7	2948.9	3128.6	3332.3	3457.6	3572.4	3573.7
47.5°	1636.4	1663.9	1732.9	1830.7	1923.9	2188.2	2199.0	2299.1	2383.4	2469.1	2480.3
50°	1261.1	1277.7	1314.3	1368.9	1421.6	1490.2	1553.0	1625.6	1677.4	1724.4	1735.7
52.5°	1036.5	1047.1	1065.7	1095.2	1125.9	1163.2	1196.8	1236.7	1264.8	1290.0	1295.3
55°	876.1	884.8	912.5	918.2	953.2	959.9	974.8	999.1	1015.5	1030.6	1034.3
57.5°	755.0	761.3	767.2	779.7	790.6	806.2	818.8	836.2	846.6	857.5	858.4
60°	659.4	663.9	668.2	676.9	684.3	695.2	703.9	715.7	723.1	731.3	732.2
62.5°	588.3	591.6	594.4	600.1	605.4	613.8	620.6	630.5	637.5	643.8	645.2
65°	537.8	540.2	542.0	546.3	550.9	558.0	564.3	572.3	577.4	582.3	583.3
67.5°	493.0	495.3	497.1	501.1	504.2	509.6	513.8	519.8	523.6	527.6	527.6
70°	441.7	443.7	445.2	448.9	451.5	456.0	459.4	464.8	468.8	473.1	474.2
72.5°	406.1	407.4	409.3	412.7	416.2	421.1	425.6	431.3	436.0	440.5	442.4
75°	379.1	380.6	381.9	384.7	387.2	391.3	394.7	399.9	404.0	408.8	411.1
77.5°	340.1	341.8	342.8	345.8	347.9	351.9	354.4	359.0	362.4	366.7	368.9
80°	292.9	294.5	295.4	298.1	299.7	303.4	305.9	310.3	313.1	317.5	320.1
82.5°	240.7	242.2	242.7	245.3	246.2	249.2	251.0	255.6	259.0	264.7	268.6
85°	180.2	180.8	181.6	181.0	184.7	184.9	189.1	189.8	195.2	196.7	202.9
87.5°	110.2	111.9	112.7	115.2	116.2	118.7	119.5	122.2	123.7	126.7	128.1
90°	50.7	53.5	54.7	57.9	59.0	61.9	62.9	66.1	67.3	70.6	72.3
92.5°	17.0	18.1	19.2	20.5	21.6	23.0	24.3	25.6	26.8	28.2	30.4
95°	19.4	20.7	22.0	23.2	24.5	25.8	27.1	28.3	29.6	30.9	34.6
97.5°	24.2	25.4	26.5	27.6	28.7	29.8	30.9	32.1	33.2	34.3	38.7
100°	31.7	32.6	33.5	34.5	35.4	36.4	37.4	38.3	39.2	40.1	48.3
102.5°	52.2	55.6	58.9	62.2	65.5	68.8	72.2	75.4	78.7	82.0	99.5
105°	88.3	97.2	106.4	115.3	124.3	133.4	142.4	151.4	160.5	169.4	197.9
107.5°	150.5	167.1	183.9	200.6	217.3	234.0	250.8	267.4	284.1	300.8	329.6
110°	277.7	291.1	304.6	317.9	331.4	345.0	358.4	371.6	385.1	398.5	419.6



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	374.3	380.4	386.4	392.6	398.6	404.7	410.8	416.8	422.8	428.8	443.8
115°	395.2	397.4	399.5	401.5	403.7	405.7	407.9	409.8	412.0	413.9	424.1
117.5°	384.1	383.6	383.3	383.0	382.4	382.1	381.6	381.2	380.7	380.2	385.9
120°	358.5	356.7	354.8	352.9	351.0	349.0	347.1	345.3	343.2	341.2	343.6
122.5°	326.4	324.1	321.9	319.6	317.3	315.0	312.6	310.2	307.9	305.6	306.4
125°	296.7	294.3	292.2	289.8	287.5	285.1	282.7	280.3	277.9	275.5	275.9
127.5°	270.9	269.4	267.8	266.0	264.3	262.6	260.8	259.0	257.4	255.4	255.6
130°	254.6	253.1	251.6	250.0	248.5	247.0	245.3	243.6	242.0	240.3	240.5
132.5°	241.2	240.3	239.2	238.0	236.9	235.6	234.5	233.0	231.9	230.6	230.8
135°	232.6	231.5	230.6	229.6	228.6	227.3	226.1	224.9	223.6	222.4	222.7
137.5°	225.2	224.5	223.5	222.5	221.5	220.3	219.3	218.1	216.9	215.7	216.0
140°	218.6	217.8	217.0	216.0	215.2	214.2	213.1	212.0	211.0	209.8	210.3
142.5°	211.0	210.3	209.7	209.0	208.2	207.4	206.4	205.5	204.8	203.8	204.4
145°	206.2	205.6	205.1	204.5	203.8	203.0	202.3	201.4	200.8	199.9	200.6
147.5°	202.0	201.5	201.1	200.5	200.0	199.4	198.7	198.0	197.4	196.7	197.3
150°	198.3	197.8	197.4	197.0	196.3	195.9	195.2	194.6	194.0	193.3	193.9
152.5°	194.3	193.8	193.4	193.0	192.4	191.9	191.4	190.7	190.2	189.5	190.1
155°	192.1	191.7	191.2	190.7	190.3	189.8	189.3	188.7	188.1	187.5	188.0
157.5°	190.8	190.5	190.1	189.6	189.4	189.0	188.5	188.1	187.7	187.2	187.5
160°	190.7	190.3	189.9	189.4	189.1	188.6	188.2	187.8	187.4	186.9	187.2
162.5°	190.5	190.0	189.6	189.3	188.9	188.5	188.1	187.8	187.4	186.9	187.2
165°	190.8	190.7	190.4	190.1	189.8	189.5	189.3	189.0	188.7	188.3	188.6
167.5°	192.9	192.5	192.2	191.9	191.6	191.3	190.9	190.6	190.4	189.9	190.2
170°	193.8	193.5	193.3	193.2	193.0	192.8	192.6	192.3	192.1	192.0	192.1
172.5°	195.0	194.7	194.6	194.6	194.4	194.2	194.1	193.9	193.8	193.5	193.9
175°	195.2	195.0	194.9	194.8	194.7	194.6	194.6	194.5	194.5	194.3	194.5
177.5°	196.5	196.4	196.4	196.4	196.4	196.3	196.3	196.2	196.1	196.1	196.2
180°	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6



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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°	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6
2.5°	14745.6	14743.8	14741.4	14738.3	14735.6	14732.5	14725.2	14722.9	14725.4	14727.0	14730.5
5°	14780.6	14781.6	14782.1	14788.8	14794.6	14809.0	14922.0	14967.0	15001.8	15023.9	15057.3
7.5°	14886.3	14920.3	14953.9	14999.2	15038.1	15090.8	15288.7	15372.9	15432.8	15475.8	15528.7
10°	15065.3	15139.5	15209.0	15290.6	15360.7	15440.9	15625.1	15707.1	15758.9	15796.6	15831.8
12.5°	15245.6	15348.5	15441.5	15532.3	15608.1	15677.7	15742.4	15771.2	15773.6	15774.8	15756.1
15°	15339.6	15438.0	15519.8	15579.8	15624.4	15644.1	15532.6	15474.1	15400.2	15339.3	15239.0
17.5°	15280.3	15339.3	15374.7	15371.2	15352.8	15291.1	14975.3	14801.5	14629.0	14473.6	14269.8
20°	15016.8	15012.3	14981.5	14894.3	14789.2	14625.7	14084.2	13771.8	13469.6	13204.4	12882.5
22.5°	14526.5	14449.4	14341.8	14153.7	13944.9	13659.3	12883.3	12423.6	12003.1	11631.7	11215.5
25°	13816.2	13657.5	13459.1	13160.5	12835.9	12419.5	11462.9	10891.4	10386.4	9948.5	9468.3
27.5°	12907.1	12668.0	12377.3	11964.1	11524.3	10990.8	9930.3	9299.4	8757.5	8288.0	7776.9
30°	11830.8	11519.9	11144.5	10631.7	10101.1	9496.0	8420.5	7781.5	7232.9	6749.9	6238.4
32.5°	10614.5	10250.4	9810.5	9234.9	8661.1	8039.0	7000.3	6381.8	5857.7	5393.0	4930.2
35°	9273.0	8882.5	8417.1	7830.0	7259.7	6654.9	5701.8	5144.1	4681.2	4270.6	3896.8
37.5°	7834.0	7450.6	7008.3	6454.9	5926.1	5378.0	4555.6	4088.3	3699.9	3359.0	3070.4
40°	6337.9	6002.4	5619.7	5141.3	4689.9	4233.4	3558.4	3187.4	2880.9	2620.9	2404.7
42.5°	4860.0	4600.0	4306.5	3928.5	3583.1	3235.5	2716.0	2441.2	2214.1	2027.0	1874.0
45°	3526.2	3352.2	3155.4	2892.5	2653.5	2411.1	2041.4	1848.2	1700.4	1579.7	1477.7
47.5°	2464.9	2364.0	2357.9	2115.0	1939.8	1791.5	1553.3	1431.3	1340.7	1267.6	1203.0
50°	1731.0	1682.3	1621.6	1534.9	1453.6	1369.8	1224.7	1150.9	1097.8	1053.5	1012.7
52.5°	1294.1	1268.8	1236.5	1190.5	1146.4	1099.2	1007.4	960.4	943.8	902.5	870.2
55°	1033.6	1019.1	1000.7	973.7	946.9	936.2	857.5	822.5	800.5	784.3	766.8
57.5°	858.6	847.7	836.9	818.5	803.0	784.3	742.5	724.5	711.4	701.9	689.8
60°	732.3	725.9	719.8	709.0	700.6	690.5	663.9	653.9	647.0	641.3	633.6
62.5°	646.4	643.0	639.9	634.2	629.9	624.5	606.2	601.4	598.0	595.1	590.5
65°	584.3	581.9	580.2	576.4	574.3	571.0	555.4	552.2	550.0	549.0	546.3
67.5°	527.9	525.4	524.3	521.6	520.7	518.7	505.9	504.1	503.4	503.8	502.7
70°	475.2	474.2	474.7	474.3	475.5	475.9	468.2	468.1	468.9	470.5	470.7
72.5°	443.7	443.7	444.2	444.5	445.6	446.2	439.7	439.5	439.8	441.1	441.1
75°	413.5	414.0	415.7	416.2	417.5	417.8	409.4	408.3	408.4	409.6	409.2
77.5°	371.9	373.7	376.8	378.4	381.1	381.6	372.0	370.9	370.9	372.1	371.1
80°	324.7	328.2	333.1	336.5	340.5	342.2	332.3	330.0	327.9	327.5	325.6
82.5°	274.6	278.7	284.7	287.7	292.0	293.0	276.6	273.5	271.7	271.9	270.1
85°	209.6	212.8	218.2	219.9	222.5	222.3	203.6	195.6	197.7	194.4	197.0
87.5°	131.5	133.3	136.7	137.1	138.3	138.1	119.3	115.6	114.5	114.6	113.2
90°	76.1	78.0	81.8	82.6	85.3	85.7	71.2	70.1	68.2	68.3	65.8
92.5°	32.8	34.9	37.4	39.7	42.1	44.3	44.9	46.6	44.4	42.0	39.8
95°	38.4	42.1	45.9	49.6	53.4	57.1	60.9	64.7	61.1	57.7	54.2
97.5°	43.2	47.6	51.9	56.4	60.9	65.2	69.7	74.1	70.4	66.5	62.8
100°	56.6	64.9	73.0	81.4	89.7	97.9	106.2	114.5	107.2	99.9	92.6
102.5°	117.1	134.7	152.2	169.7	187.2	204.9	222.5	240.1	223.4	206.6	189.9
105°	226.4	254.8	283.3	311.6	340.1	368.5	397.1	425.5	398.9	372.2	345.4
107.5°	358.5	387.3	416.2	445.0	473.8	502.7	531.8	560.6	534.6	508.5	482.5
110°	440.7	461.7	482.7	503.8	524.8	545.8	567.1	588.2	572.6	556.9	541.2



TEST NUMBER: P1444867
 CATALOG NUMBER: EHBR1-18-UNV-TA-L950-UPL15

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	458.9	473.9	489.0	504.0	518.9	533.9	549.5	564.5	556.6	548.7	540.9
115°	434.2	444.5	454.5	464.6	474.8	484.9	495.6	505.8	503.2	500.6	498.1
117.5°	391.5	397.1	402.9	408.4	414.0	419.7	426.1	431.9	432.1	432.6	433.0
120°	346.0	348.3	350.6	353.0	355.3	357.6	360.9	363.4	365.5	367.5	369.5
122.5°	307.4	308.2	309.0	309.9	310.6	311.4	313.4	314.5	315.8	317.2	318.7
125°	276.2	276.7	277.1	277.4	277.6	278.1	279.8	280.2	280.3	280.3	280.3
127.5°	255.5	255.6	255.6	255.6	255.5	255.6	256.9	257.2	256.2	255.2	254.2
130°	240.6	240.7	240.9	241.0	241.2	241.4	243.0	243.4	241.8	240.0	238.3
132.5°	231.1	231.3	231.3	231.7	231.9	232.1	233.9	234.4	232.5	230.6	228.7
135°	222.9	223.4	223.5	223.8	224.1	224.6	226.4	227.1	225.3	223.5	221.6
137.5°	216.2	216.7	216.9	217.2	217.5	217.9	220.0	220.7	219.3	217.7	216.3
140°	210.5	211.0	211.5	211.8	212.2	212.9	215.1	215.9	214.8	213.6	212.4
142.5°	204.9	205.5	206.1	206.7	207.4	208.0	210.7	211.7	211.0	210.0	209.2
145°	201.2	202.0	202.6	203.4	204.1	205.0	207.9	209.1	208.6	208.0	207.5
147.5°	197.8	198.6	199.2	199.9	200.6	201.4	204.5	205.8	205.4	205.1	204.7
150°	194.6	195.2	195.9	196.6	197.4	198.2	201.7	203.1	202.8	202.5	202.1
152.5°	190.7	191.2	191.9	192.6	193.3	194.0	198.1	199.6	199.3	198.9	198.7
155°	188.3	188.9	189.3	189.8	190.3	191.0	195.4	196.8	196.6	196.4	196.2
157.5°	187.8	188.1	188.3	188.7	189.1	189.4	194.0	195.5	195.2	195.0	194.9
160°	187.4	187.7	187.8	188.1	188.3	188.7	193.3	194.6	194.6	194.4	194.2
162.5°	187.5	188.0	188.1	188.5	188.8	189.2	193.9	195.4	195.1	194.8	194.6
165°	188.7	188.9	189.1	189.4	189.5	189.8	194.1	195.4	195.3	195.0	194.9
167.5°	190.3	190.6	190.7	190.9	191.1	191.5	195.5	196.7	196.6	196.4	196.3
170°	192.2	192.4	192.6	192.8	193.1	193.3	196.7	197.7	197.5	197.3	197.1
172.5°	194.0	194.3	194.6	194.7	195.0	195.3	198.2	199.1	199.0	198.8	198.6
175°	194.6	194.7	195.0	195.3	195.5	195.6	197.9	198.6	198.6	198.5	198.4
177.5°	196.4	196.6	196.8	196.9	197.1	197.3	198.6	199.1	199.0	199.0	198.9
180°	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6



TEST NUMBER: P1444867
 CATALOG NUMBER: EHBR1-18-UNV-TA-L950-UPL15

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6
2.5°	14731.2	14736.4	14737.1	14743.2	14742.7	14749.9	14748.8	14754.6	14751.2	14756.0	14751.9
5°	15077.2	15108.6	15125.0	15155.6	15165.3	15192.7	15200.4	15225.4	15226.4	15246.3	15241.7
7.5°	15566.4	15612.6	15640.1	15677.9	15697.1	15728.6	15742.5	15765.9	15773.4	15791.9	15793.3
10°	15858.5	15880.9	15896.6	15907.2	15916.8	15921.3	15926.6	15925.2	15926.6	15924.5	15929.1
12.5°	15743.6	15710.8	15689.1	15648.0	15624.2	15578.8	15556.5	15512.9	15497.1	15459.5	15454.1
15°	15161.7	15047.4	14966.6	14849.2	14775.3	14659.8	14592.2	14488.0	14440.4	14357.5	14335.8
17.5°	14101.1	13889.0	13724.8	13514.1	13368.0	13171.1	13047.4	12884.4	12795.2	12663.7	12618.3
20°	12614.2	12300.3	12054.0	11760.6	11550.7	11289.1	11121.6	10910.4	10787.8	10626.4	10561.0
22.5°	10868.5	10477.7	10170.1	9823.5	9570.2	9278.7	9078.0	8849.5	8716.1	8540.8	8463.1
25°	9069.3	8638.3	8296.3	7931.2	7663.5	7371.3	7170.6	6946.1	6808.0	6641.6	6564.5
27.5°	7348.5	6912.2	6581.8	6242.3	5996.7	5733.0	5551.9	5355.9	5233.4	5091.3	5018.7
30°	5829.9	5445.1	5163.8	4882.1	4677.9	4463.7	4313.2	4150.8	4043.3	3921.6	3852.5
32.5°	4592.7	4295.6	4075.4	3851.8	3684.7	3505.7	3375.7	3232.3	3135.3	3026.7	2964.1
35°	3637.3	3406.5	3230.9	3046.8	2903.2	2750.8	2636.2	2512.5	2425.5	2331.9	2277.8
37.5°	2873.8	2690.3	2545.8	2392.9	2274.9	2148.7	2106.1	1964.1	1873.9	1799.3	1747.7
40°	2255.4	2109.5	1989.9	1873.0	1776.7	1681.0	1604.1	1528.3	1470.0	1416.6	1379.7
42.5°	1761.3	1655.6	1568.3	1482.6	1412.4	1342.7	1286.9	1234.7	1195.5	1160.6	1136.8
45°	1400.2	1327.4	1266.8	1206.5	1156.9	1110.3	1072.8	1039.5	1014.1	993.2	978.4
47.5°	1150.2	1100.4	1057.6	1016.9	983.4	952.8	927.7	919.5	892.3	873.9	867.0
50°	977.5	947.5	915.0	885.0	862.5	840.2	823.8	808.0	797.7	789.3	786.7
52.5°	848.7	825.7	807.6	788.5	773.8	757.9	746.6	736.0	730.4	726.0	725.5
55°	752.9	736.8	724.8	712.1	703.2	693.9	688.0	682.4	679.9	677.7	677.9
57.5°	680.3	669.6	661.8	653.5	648.7	644.2	642.8	641.4	642.1	642.5	643.7
60°	627.5	620.6	615.6	610.9	608.8	607.5	608.6	609.8	612.4	614.4	616.3
62.5°	587.0	583.0	580.6	578.1	577.8	578.0	580.1	582.3	585.5	587.9	589.7
65°	545.3	543.1	542.3	540.7	541.5	542.0	544.6	546.2	549.4	551.3	553.6
67.5°	503.2	502.7	503.2	503.2	504.6	505.9	508.4	510.3	513.0	514.7	516.6
70°	472.1	472.4	473.5	473.7	475.2	476.2	478.3	479.5	481.9	483.4	485.6
72.5°	441.9	441.4	441.7	441.0	441.5	441.2	442.4	443.1	445.1	446.3	449.0
75°	409.6	408.3	408.0	406.5	406.6	405.6	406.0	405.9	407.3	407.9	409.8
77.5°	370.8	368.5	367.4	365.0	364.9	363.9	365.0	365.5	367.9	369.1	371.4
80°	324.3	320.6	319.1	316.2	316.6	316.5	318.9	320.7	323.7	324.2	327.0
82.5°	269.5	265.8	264.1	261.4	262.0	262.0	264.2	264.6	267.1	268.2	271.5
85°	193.0	194.4	190.5	190.7	190.0	191.5	193.0	194.8	197.0	200.5	203.2
87.5°	113.6	113.2	114.6	114.7	116.6	117.7	120.9	122.6	126.2	129.0	134.0
90°	65.1	62.7	63.1	61.8	63.1	61.9	63.1	61.7	63.2	62.9	65.1
92.5°	37.2	35.0	32.4	30.1	27.7	25.5	24.2	23.2	21.9	21.0	19.8
95°	50.6	47.2	43.7	40.1	36.7	33.2	31.9	30.6	29.4	28.1	26.8
97.5°	59.0	55.3	51.5	47.8	43.9	40.2	39.4	38.6	37.6	36.8	36.0
100°	85.3	78.0	70.7	63.4	56.1	48.9	48.2	47.5	46.8	46.2	45.4
102.5°	173.3	156.6	139.9	123.2	106.6	89.8	87.0	84.1	81.1	78.2	75.4
105°	318.8	292.1	265.4	238.8	212.2	185.5	177.6	169.5	161.6	153.6	145.7
107.5°	456.5	430.4	404.4	378.3	352.4	326.4	313.8	301.2	288.6	276.0	263.5
110°	525.4	509.8	494.3	478.5	462.9	447.4	435.3	423.4	411.2	399.3	387.3



TEST NUMBER: P1444867
 CATALOG NUMBER: EHBR1-18-UNV-TA-L950-UPL15

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	533.0	525.2	517.3	509.4	501.7	493.8	488.1	482.1	476.4	470.4	464.6
115°	495.5	493.1	490.5	488.1	485.6	483.0	482.5	482.2	481.7	481.2	480.9
117.5°	433.3	433.8	434.1	434.5	435.1	435.5	438.5	441.6	444.8	447.9	451.1
120°	371.6	373.6	375.6	377.7	379.8	382.0	386.0	390.2	394.3	398.6	402.9
122.5°	320.0	321.4	322.7	324.3	325.7	327.0	331.1	335.2	339.4	343.6	347.8
125°	280.3	280.2	280.2	280.2	280.1	280.3	283.6	286.9	290.3	293.8	297.1
127.5°	253.3	252.2	251.2	250.2	249.2	248.3	250.1	252.2	254.0	256.1	258.1
130°	236.6	235.0	233.2	231.5	229.8	228.1	228.7	229.5	230.2	231.1	231.8
132.5°	226.6	224.8	222.7	220.7	218.7	216.8	216.7	216.5	216.4	216.4	216.4
135°	219.6	218.0	215.9	214.1	212.1	210.4	209.8	209.1	208.7	208.1	207.7
137.5°	214.8	213.3	211.7	210.4	208.7	207.3	206.4	205.7	205.0	204.4	203.8
140°	211.2	210.0	208.7	207.5	206.2	205.1	204.3	203.8	203.1	202.6	202.1
142.5°	208.1	207.3	206.4	205.4	204.5	203.7	202.9	202.4	201.8	201.2	200.8
145°	206.8	206.3	205.6	205.0	204.4	203.8	203.2	202.7	202.3	201.9	201.5
147.5°	204.2	203.9	203.5	203.1	202.6	202.2	201.8	201.6	201.2	201.0	200.6
150°	201.7	201.4	201.0	200.7	200.2	199.9	199.6	199.4	199.2	199.1	198.8
152.5°	198.3	198.1	197.7	197.3	197.0	196.6	196.4	196.3	196.1	196.0	195.7
155°	196.0	195.7	195.5	195.2	194.9	194.7	194.5	194.2	194.0	193.7	193.4
157.5°	194.6	194.5	194.2	194.0	193.7	193.4	193.3	193.1	192.8	192.6	192.3
160°	194.0	193.8	193.5	193.3	193.1	192.9	192.5	192.2	191.9	191.6	191.4
162.5°	194.3	194.1	193.8	193.5	193.2	192.9	192.6	192.4	192.1	192.0	191.7
165°	194.6	194.5	194.3	194.0	193.8	193.6	193.3	193.0	192.6	192.4	192.0
167.5°	196.0	196.0	195.7	195.5	195.2	195.0	194.7	194.5	194.2	193.8	193.5
170°	196.9	196.6	196.4	196.1	195.9	195.6	195.3	195.0	194.6	194.5	194.2
172.5°	198.4	198.3	198.0	197.8	197.5	197.3	197.1	196.9	196.6	196.3	196.2
175°	198.3	198.3	198.2	198.0	198.0	197.9	197.8	197.7	197.6	197.5	197.3
177.5°	198.9	198.9	198.9	198.8	198.7	198.7	198.6	198.5	198.4	198.2	198.1
180°	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6



TEST NUMBER: P1444867
 CATALOG NUMBER: EHBR1-18-UNV-TA-L950-UPL15

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6
2.5°	14756.2	14752.5	14754.2	14747.3	14748.9	14740.6	14739.8	14730.5	14729.5	14720.6	14717.3
5°	15255.8	15247.6	15256.9	15242.4	15245.3	15226.4	15224.8	15200.6	15192.2	15161.7	15148.6
7.5°	15804.9	15801.8	15807.5	15795.4	15795.0	15778.2	15771.2	15749.5	15736.0	15704.1	15683.7
10°	15925.2	15928.0	15923.4	15924.5	15918.0	15916.2	15909.5	15905.2	15894.3	15886.0	15873.8
12.5°	15425.7	15428.7	15409.6	15421.7	15412.1	15434.4	15432.7	15458.9	15463.0	15496.1	15508.8
15°	14271.2	14267.7	14231.1	14254.1	14241.7	14290.7	14301.7	14367.4	14402.7	14487.1	14539.1
17.5°	12527.2	12517.9	12466.4	12494.4	12480.1	12552.2	12576.5	12681.7	12747.4	12883.5	12980.6
20°	10448.4	10430.3	10370.0	10402.9	10388.2	10470.1	10504.7	10631.9	10716.6	10896.8	11025.1
22.5°	8343.6	8315.1	8256.1	8286.8	8272.9	8357.8	8402.7	8530.4	8627.4	8812.5	8962.2
25°	6453.6	6428.2	6371.1	6392.7	6387.5	6459.3	6499.2	6619.9	6715.3	6891.6	7034.5
27.5°	4922.4	4895.9	4844.3	4859.5	4854.3	4915.5	4953.2	5054.0	5136.0	5284.5	5410.0
30°	3767.3	3735.4	3691.7	3700.1	3696.6	3746.1	3781.3	3866.2	3936.6	4062.0	4170.1
32.5°	2887.6	2855.6	2815.5	2819.4	2814.1	2853.0	2882.0	2955.9	3017.1	3123.8	3217.9
35°	2209.4	2246.9	2161.1	2215.5	2158.9	2241.9	2212.0	2258.2	2310.9	2400.7	2479.2
37.5°	1698.5	1672.4	1650.4	1648.1	1648.0	1667.1	1689.9	1734.3	1780.7	1847.7	1916.9
40°	1346.0	1327.7	1313.4	1312.4	1313.4	1327.1	1343.9	1374.6	1408.6	1456.7	1507.5
42.5°	1116.3	1104.3	1095.6	1095.1	1097.7	1107.4	1119.1	1137.3	1159.4	1190.7	1225.5
45°	966.3	959.5	954.7	954.4	955.7	960.7	967.4	978.8	992.9	1012.3	1034.3
47.5°	860.9	859.2	856.3	856.4	855.0	857.0	857.9	864.2	871.7	886.3	915.2
50°	784.2	784.2	782.1	781.9	780.0	779.9	778.3	780.8	784.3	793.4	802.6
52.5°	723.5	723.3	721.1	720.6	718.6	718.5	717.1	718.0	718.5	723.1	728.6
55°	676.1	674.7	671.7	670.8	670.1	671.2	670.7	670.7	670.2	672.0	673.7
57.5°	642.1	640.3	637.5	636.7	636.4	637.9	637.9	637.5	634.9	633.2	630.7
60°	615.3	613.4	610.3	609.6	610.1	612.0	611.9	610.2	606.4	603.1	599.3
62.5°	588.8	588.0	586.5	586.3	585.9	586.3	584.9	583.1	579.4	575.9	571.7
65°	553.4	553.8	552.5	552.7	551.3	551.2	549.1	547.4	543.6	540.4	536.1
67.5°	516.5	516.8	515.8	515.8	515.2	515.3	514.0	512.4	509.2	506.6	503.3
70°	486.2	486.9	486.4	486.6	485.6	485.4	483.4	481.8	478.6	476.4	473.4
72.5°	449.8	451.5	451.4	451.8	450.5	449.8	447.5	445.6	442.6	440.9	438.4
75°	410.6	412.7	413.4	414.3	412.4	411.4	408.9	407.3	404.9	403.9	402.3
77.5°	372.3	374.6	376.8	379.0	375.9	373.3	370.1	367.7	364.1	362.8	360.3
80°	329.3	333.5	338.4	342.6	337.2	331.7	326.4	322.5	317.8	316.0	312.9
82.5°	273.3	277.4	280.3	283.0	279.2	275.2	270.1	266.7	261.6	259.8	256.2
85°	207.6	212.9	214.5	215.9	213.5	211.5	206.6	200.1	197.0	192.0	189.4
87.5°	136.5	139.6	140.3	140.8	139.3	138.3	135.2	132.1	126.7	122.8	118.0
90°	64.3	65.6	63.6	63.7	62.5	63.5	61.0	60.7	57.0	56.0	52.7
92.5°	18.8	17.5	16.4	15.2	16.6	17.6	18.9	19.8	21.0	21.9	23.2
95°	25.5	24.2	22.9	21.6	22.7	23.7	24.7	25.7	26.8	27.8	28.8
97.5°	35.1	34.2	33.4	32.5	33.1	33.7	34.3	34.9	35.5	36.1	36.7
100°	44.8	44.1	43.4	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
102.5°	72.5	69.5	66.6	63.7	65.7	67.6	69.6	71.5	73.6	75.5	77.6
105°	137.7	129.8	121.8	113.9	121.6	129.2	137.0	144.7	152.3	160.1	167.8
107.5°	251.0	238.4	225.9	213.3	227.4	241.3	255.3	269.3	283.3	297.2	311.3
110°	375.5	363.5	351.6	339.6	354.5	369.3	384.2	399.1	413.8	428.7	443.7



TEST NUMBER: P1444867
 CATALOG NUMBER: EHBR1-18-UNV-TA-L950-UPL15

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	458.7	452.9	447.1	441.3	450.9	460.5	470.0	479.7	489.2	498.8	508.4
115°	480.4	480.1	479.8	479.4	484.0	488.5	493.0	497.6	502.2	506.7	511.4
117.5°	454.2	457.4	460.7	463.9	465.4	466.8	468.4	469.8	471.3	472.7	474.4
120°	407.1	411.3	415.7	420.1	419.5	418.8	418.3	417.7	417.3	416.8	416.4
122.5°	351.9	356.2	360.6	365.0	363.7	362.4	361.1	359.9	358.8	357.6	356.6
125°	300.8	304.3	308.0	311.5	310.2	308.9	307.8	306.6	305.4	304.3	303.4
127.5°	260.3	262.5	264.6	266.8	266.3	265.6	265.3	264.7	264.2	263.9	263.6
130°	232.7	233.7	234.7	235.7	235.9	236.1	236.3	236.6	237.0	237.4	237.8
132.5°	216.6	216.7	216.9	217.0	217.7	218.4	219.3	220.1	221.0	222.0	223.0
135°	207.5	207.2	206.9	206.7	207.7	208.7	209.8	210.9	212.2	213.5	214.9
137.5°	203.2	202.7	202.4	201.9	202.9	203.9	205.1	206.2	207.5	208.8	210.3
140°	201.6	201.2	201.0	200.5	201.5	202.5	203.7	204.8	206.1	207.3	208.7
142.5°	200.4	199.9	199.6	199.3	200.1	201.1	202.1	203.1	204.3	205.4	206.7
145°	201.2	200.8	200.6	200.3	201.0	201.7	202.4	203.1	204.0	204.8	205.8
147.5°	200.4	200.1	200.0	199.9	200.4	200.9	201.4	201.9	202.6	203.2	204.0
150°	198.8	198.6	198.6	198.6	198.8	199.0	199.5	199.8	200.2	200.6	201.2
152.5°	195.7	195.5	195.5	195.4	195.7	196.0	196.3	196.6	197.0	197.3	197.8
155°	193.3	193.2	193.1	192.9	193.0	193.1	193.3	193.3	193.4	193.5	193.8
157.5°	192.2	192.0	191.9	191.7	191.7	191.6	191.7	191.6	191.6	191.6	191.7
160°	191.1	190.7	190.6	190.3	190.4	190.3	190.4	190.3	190.5	190.6	190.6
162.5°	191.5	191.3	191.1	190.9	190.8	190.6	190.5	190.3	190.2	190.1	190.0
165°	191.7	191.4	191.1	190.7	190.7	190.7	190.7	190.6	190.6	190.5	190.5
167.5°	193.3	193.0	192.8	192.4	192.2	192.0	191.8	191.5	191.4	191.2	191.1
170°	194.0	193.7	193.5	193.3	193.2	193.0	192.9	192.8	192.7	192.6	192.6
172.5°	196.0	195.8	195.6	195.4	195.3	195.1	195.1	195.0	194.9	194.9	194.8
175°	197.3	197.3	197.2	197.1	196.9	196.8	196.7	196.6	196.5	196.3	196.2
177.5°	197.9	197.8	197.7	197.6	197.5	197.5	197.5	197.5	197.5	197.4	197.4
180°	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6



TEST NUMBER: P1444867
 CATALOG NUMBER: EHBR1-18-UNV-TA-L950-UPL15

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6
2.5°	14707.8	14703.9	14693.7	14688.7	14679.3	14674.5	14667.2	14662.4	14656.5	14652.1	14649.8
5°	15115.3	15096.4	15058.8	15035.6	14994.9	14968.0	14927.6	14898.0	14856.3	14825.5	14786.0
7.5°	15645.4	15616.5	15568.3	15531.7	15474.8	15431.2	15367.4	15316.3	15245.6	15187.0	15114.9
10°	15861.3	15844.5	15822.8	15799.2	15767.7	15736.8	15693.1	15648.7	15589.4	15530.4	15453.4
12.5°	15542.2	15558.1	15589.4	15604.0	15627.9	15636.1	15646.9	15641.8	15632.2	15608.1	15573.2
15°	14638.7	14704.9	14809.5	14881.9	14983.3	15054.4	15148.6	15209.3	15279.1	15320.9	15360.5
17.5°	13152.4	13280.5	13465.1	13612.3	13810.0	13970.7	14167.7	14322.4	14501.1	14638.1	14784.0
20°	11248.8	11428.0	11682.9	11899.3	12185.7	12428.6	12739.7	13000.4	13304.5	13558.0	13831.6
22.5°	9199.9	9410.7	9702.7	9963.7	10305.7	10611.3	11001.2	11345.9	11757.0	12125.2	12532.6
25°	7267.0	7473.6	7771.0	8041.3	8410.6	8747.1	9173.1	9568.5	10045.6	10490.4	11001.2
27.5°	5609.4	5793.0	6054.4	6297.7	6635.9	6966.3	7398.5	7820.3	8329.3	8807.3	9357.8
30°	4332.0	4480.9	4690.4	4886.1	5157.7	5427.9	5812.9	6202.9	6709.4	7204.8	7769.2
32.5°	3357.2	3484.2	3659.0	3817.9	4027.2	4230.9	4514.5	4826.0	5270.4	5744.9	6290.6
35°	2598.8	2707.4	2856.3	2993.1	3165.2	3327.0	3538.5	3761.0	4100.1	4499.2	4987.5
37.5°	2071.9	2116.2	2222.4	2334.6	2477.5	2610.4	2775.9	2940.4	3183.0	3497.9	3896.8
40°	1575.7	1646.0	1732.5	1820.8	1928.9	2035.6	2217.1	2304.6	2464.4	2690.4	3000.0
42.5°	1271.4	1320.8	1381.7	1443.1	1518.5	1592.8	1684.6	1778.1	1897.5	2050.6	2270.8
45°	1063.9	1096.2	1135.4	1176.3	1225.8	1276.5	1338.0	1402.2	1483.1	1577.3	1711.1
47.5°	925.3	943.1	968.7	996.7	1030.7	1065.7	1105.7	1146.6	1196.9	1252.7	1328.9
50°	817.2	832.0	851.9	870.6	894.0	930.0	945.8	968.4	998.6	1031.5	1074.1
52.5°	738.8	748.8	761.2	772.0	786.8	800.2	817.9	833.5	854.4	874.1	901.6
55°	677.9	681.5	688.6	695.4	705.8	715.0	727.0	737.2	750.5	762.3	779.7
57.5°	630.8	631.1	634.4	638.0	644.6	650.4	658.7	665.4	674.6	682.2	692.6
60°	597.0	595.2	595.8	597.0	600.8	604.6	609.9	614.2	620.1	624.4	630.1
62.5°	568.8	566.0	565.4	565.0	566.9	568.2	571.1	573.3	576.5	578.4	581.5
65°	533.2	529.9	528.6	527.1	527.6	527.2	528.3	528.3	530.1	530.4	532.2
67.5°	501.0	498.2	496.5	494.5	493.5	492.1	491.4	490.0	489.7	488.5	488.2
70°	471.5	468.8	467.4	465.5	464.6	462.6	461.4	459.0	457.6	455.4	454.1
72.5°	437.5	436.0	435.6	434.3	433.9	432.9	432.3	430.6	429.7	427.8	426.6
75°	401.9	400.7	400.5	399.2	399.1	397.8	397.6	395.7	394.8	392.9	392.1
77.5°	359.6	357.7	357.2	355.7	356.0	355.4	355.9	354.5	354.0	352.0	351.5
80°	311.8	309.4	308.5	306.4	307.0	306.1	307.0	306.9	307.6	306.1	305.8
82.5°	255.3	252.6	252.2	250.8	251.7	251.8	253.8	252.7	253.2	251.8	252.3
85°	185.7	183.8	181.1	180.7	178.9	180.8	178.4	180.0	177.5	179.2	176.8
87.5°	115.2	111.1	109.0	106.1	105.0	102.3	101.1	99.1	99.7	98.8	99.3
90°	52.6	49.7	50.0	48.1	49.0	47.6	48.8	48.1	49.7	49.0	50.7
92.5°	24.2	25.3	27.2	29.5	31.4	33.4	35.4	37.6	39.6	41.7	43.7
95°	29.8	30.8	33.5	36.3	39.0	41.7	44.5	47.2	49.9	52.7	55.4
97.5°	37.4	37.9	40.6	43.4	46.1	48.9	51.6	54.4	57.1	59.9	62.6
100°	42.7	42.8	50.6	58.3	66.2	74.0	81.8	89.5	97.4	105.1	112.9
102.5°	79.5	81.5	101.1	120.8	140.5	160.1	179.7	199.4	219.1	238.8	258.5
105°	175.4	183.2	213.1	243.1	273.1	303.2	333.1	363.2	393.2	423.3	453.2
107.5°	325.3	339.4	366.5	393.6	420.7	447.8	475.1	502.1	529.3	556.4	583.7
110°	458.6	473.5	491.7	509.8	528.0	546.2	564.3	582.6	600.9	619.0	637.3



TEST NUMBER: P1444867
 CATALOG NUMBER: EHBR1-18-UNV-TA-L950-UPL15

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	518.0	527.6	538.2	548.9	559.5	570.2	580.8	591.5	602.2	612.8	623.5
115°	516.0	520.7	524.7	528.9	533.0	537.2	541.5	545.8	550.0	554.2	558.5
117.5°	475.8	477.5	478.2	478.9	479.6	480.4	481.2	481.9	482.9	483.6	484.4
120°	415.9	415.5	414.8	414.3	413.6	413.1	412.6	412.1	411.5	411.0	410.6
122.5°	355.4	354.4	353.8	353.2	352.7	352.2	351.8	351.4	350.8	350.5	350.0
125°	302.2	301.2	302.0	302.6	303.4	304.2	304.8	305.8	306.6	307.4	308.2
127.5°	263.1	262.9	264.6	266.4	268.0	269.8	271.6	273.4	275.1	277.0	278.7
130°	238.3	238.9	240.9	243.2	245.3	247.6	249.8	252.3	254.3	256.6	258.8
132.5°	224.0	225.2	227.2	229.3	231.4	233.7	235.7	237.9	240.1	242.4	244.4
135°	216.3	217.8	219.6	221.6	223.5	225.7	227.5	229.7	231.5	233.6	235.5
137.5°	211.6	213.0	214.6	216.2	217.8	219.5	221.0	222.7	224.2	225.9	227.4
140°	210.0	211.5	212.4	213.4	214.4	215.4	216.3	217.3	218.2	219.3	220.2
142.5°	207.8	209.2	209.8	210.5	211.1	211.9	212.6	213.3	213.8	214.4	215.1
145°	206.7	207.7	207.8	208.0	208.3	208.5	208.6	208.8	208.9	209.1	209.1
147.5°	204.7	205.5	205.4	205.4	205.5	205.5	205.5	205.4	205.4	205.4	205.3
150°	201.6	202.2	201.9	201.9	201.6	201.5	201.3	201.2	200.9	200.9	200.6
152.5°	198.2	198.6	198.3	198.3	197.9	197.6	197.4	197.3	196.9	196.7	196.5
155°	193.9	194.2	194.0	193.9	193.7	193.5	193.4	193.4	193.3	193.2	193.1
157.5°	191.7	191.7	191.6	191.5	191.4	191.3	191.3	191.3	191.3	191.3	191.4
160°	190.6	190.7	190.6	190.5	190.4	190.3	190.3	190.3	190.3	190.4	190.4
162.5°	189.8	189.8	189.6	189.5	189.4	189.4	189.4	189.5	189.5	189.5	189.6
165°	190.6	190.7	190.4	190.3	190.1	189.9	189.9	189.8	189.8	189.8	189.7
167.5°	190.9	190.8	190.8	190.9	190.9	191.0	191.0	191.3	191.3	191.5	191.6
170°	192.6	192.6	192.5	192.4	192.3	192.3	192.3	192.2	192.2	192.2	192.2
172.5°	194.8	194.8	194.6	194.5	194.3	194.2	194.1	194.0	193.8	193.7	193.5
175°	196.1	196.0	196.0	195.9	195.8	195.6	195.6	195.4	195.3	195.2	195.1
177.5°	197.3	197.3	197.2	197.2	197.2	197.1	197.1	197.1	197.1	197.1	197.0
180°	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6



TEST NUMBER: P1444867
 CATALOG NUMBER: EHBR1-18-UNV-TA-L950-UPL15

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6
2.5°	14646.8	14646.6	14645.3	14645.9	14646.2	14647.2	14648.5	14649.8	14650.1	14651.1	14651.3
5°	14756.5	14720.2	14693.5	14663.9	14641.8	14621.8	14608.6	14598.0	14593.9	14594.9	14597.4
7.5°	15053.7	14978.9	14917.2	14847.0	14788.5	14726.5	14675.2	14626.4	14590.8	14564.2	14549.5
10°	15379.9	15288.8	15201.6	15100.1	15003.7	14900.9	14807.8	14714.1	14635.9	14568.0	14518.1
12.5°	15524.6	15460.2	15384.9	15289.0	15186.0	15067.3	14947.6	14819.2	14699.8	14588.9	14499.5
15°	15371.4	15371.4	15344.0	15298.0	15226.4	15131.6	15017.5	14883.7	14742.8	14599.0	14467.7
17.5°	14884.9	14976.7	15027.7	15060.0	15050.1	15015.2	14942.6	14839.7	14708.4	14555.3	14395.0
20°	14049.4	14265.9	14420.3	14559.1	14636.9	14688.5	14683.4	14641.5	14548.1	14417.8	14250.9
22.5°	12879.1	13242.5	13529.2	13796.6	13984.1	14136.7	14209.1	14240.0	14197.6	14106.8	13950.1
25°	11457.6	11951.7	12373.4	12782.6	13089.4	13353.2	13511.8	13623.5	13632.3	13584.9	13445.1
27.5°	9878.2	10461.4	10994.9	11538.8	11970.4	12349.7	12598.4	12780.6	12838.4	12830.8	12703.8
30°	8300.7	8912.9	9501.1	10135.2	10669.4	11153.8	11482.5	11728.9	11823.7	11841.9	11719.8
32.5°	6811.0	7414.6	8001.3	8664.2	9251.9	9807.2	10195.5	10488.0	10598.4	10624.4	10490.4
35°	5458.8	6015.8	6573.3	7215.8	7800.2	8375.1	8784.3	9090.6	9193.7	9211.0	9056.0
37.5°	4286.4	4761.0	5246.7	5823.1	6359.9	6899.8	7288.6	7576.5	7651.5	7646.9	7471.4
40°	3299.2	3668.1	4058.4	4533.0	4979.2	5435.7	5763.9	6001.9	6041.4	6012.1	5827.8
42.5°	2480.8	2747.2	3030.2	3384.5	3715.5	4057.2	4296.0	4472.7	4478.3	4432.2	4266.6
45°	1848.2	2108.2	2226.8	2441.1	2654.3	2881.5	3027.2	3136.4	3119.5	3078.9	2953.1
47.5°	1408.9	1508.9	1614.8	1747.7	1871.8	2129.6	2110.5	2285.8	2159.5	2245.6	2056.1
50°	1118.8	1174.7	1231.7	1302.2	1367.1	1434.6	1476.6	1508.0	1504.0	1490.5	1454.2
52.5°	951.9	969.2	997.2	1037.4	1073.6	1110.0	1134.0	1153.5	1153.9	1148.4	1130.1
55°	795.5	817.4	837.7	863.9	908.5	915.4	949.7	942.8	945.5	935.9	945.7
57.5°	701.4	714.1	725.5	741.2	754.1	769.1	777.9	786.5	785.7	783.8	774.5
60°	634.8	641.7	648.1	657.2	664.2	672.8	676.9	681.2	679.7	676.6	668.3
62.5°	583.3	587.8	591.3	597.2	601.5	606.8	608.9	610.8	608.9	605.9	598.5
65°	532.6	535.4	537.7	542.1	545.2	549.7	551.5	553.2	551.5	549.2	543.6
67.5°	486.9	487.1	486.9	488.7	489.6	492.3	493.2	494.4	492.4	490.4	485.6
70°	452.1	451.4	450.5	451.3	451.4	452.8	452.9	452.8	450.3	446.9	441.7
72.5°	425.0	424.6	424.0	424.5	424.5	425.7	425.3	424.8	421.9	418.5	413.4
75°	390.1	389.9	388.6	388.6	387.5	387.9	386.5	385.7	382.4	379.6	375.0
77.5°	349.3	348.7	346.7	346.0	344.0	343.1	340.4	339.1	335.9	333.6	329.6
80°	303.7	303.1	300.6	299.3	296.0	293.9	290.0	287.7	284.0	281.8	278.0
82.5°	251.0	251.3	248.9	247.2	242.5	239.0	233.7	230.9	226.7	224.6	220.7
85°	178.6	176.0	177.4	177.3	174.3	171.2	167.0	164.0	160.5	158.4	155.6
87.5°	97.9	98.6	97.8	97.3	95.1	93.6	90.3	88.5	85.9	84.7	82.6
90°	47.0	45.9	42.4	41.3	37.8	35.9	32.0	30.4	26.8	26.0	23.7
92.5°	41.3	39.0	36.9	34.5	32.2	29.9	27.7	25.4	23.0	22.2	21.6
95°	52.0	48.8	45.5	42.2	38.8	35.5	32.3	29.0	25.6	25.0	24.2
97.5°	58.8	54.9	50.9	47.0	43.1	39.2	35.3	31.4	27.5	27.0	26.7
100°	103.9	94.9	85.9	76.8	67.8	58.8	49.8	40.7	31.8	31.2	30.8
102.5°	236.6	214.6	192.8	170.9	149.0	127.1	105.3	83.3	61.5	58.3	55.2
105°	420.1	386.9	353.9	320.8	287.6	254.5	221.4	188.1	155.1	144.4	133.7
107.5°	552.5	521.3	490.2	459.1	427.9	396.9	365.6	334.5	303.3	284.6	265.9
110°	612.6	587.9	563.2	538.5	513.9	489.2	464.4	439.7	415.0	398.8	382.8



TEST NUMBER: P1444867
 CATALOG NUMBER: EHBR1-18-UNV-TA-L950-UPL15

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	605.4	587.4	569.4	551.2	533.2	515.1	497.0	478.9	460.7	450.9	441.1
115°	547.7	536.8	526.0	515.1	504.2	493.3	482.5	471.4	460.6	455.5	450.2
117.5°	479.1	473.5	468.0	462.4	456.9	451.3	445.8	440.2	434.6	432.9	431.1
120°	409.1	407.5	405.8	404.2	402.5	400.8	399.1	397.5	395.7	396.0	396.3
122.5°	350.8	351.5	352.2	352.9	353.6	354.3	355.1	355.6	356.3	357.7	359.2
125°	310.0	311.6	313.3	315.0	316.6	318.3	320.0	321.5	323.2	324.6	326.2
127.5°	280.8	282.5	284.5	286.4	288.2	290.1	292.0	293.8	295.6	296.9	298.4
130°	260.5	262.1	263.8	265.4	267.1	268.7	270.3	272.0	273.5	274.6	275.8
132.5°	245.9	247.4	248.9	250.3	251.9	253.3	254.9	256.2	257.8	258.7	259.5
135°	236.6	237.8	239.0	240.0	241.3	242.3	243.4	244.6	245.8	246.5	247.1
137.5°	228.5	229.3	230.3	231.2	232.2	233.0	234.1	235.1	236.2	236.5	236.9
140°	221.1	222.2	223.1	224.1	225.1	226.1	227.2	228.3	229.4	229.7	230.1
142.5°	215.9	216.6	217.4	218.1	219.0	219.7	220.7	221.5	222.4	222.8	223.2
145°	210.0	210.9	211.8	212.8	213.6	214.6	215.6	216.8	217.8	218.1	218.3
147.5°	206.1	206.8	207.7	208.5	209.2	210.1	211.0	211.9	213.0	213.1	213.4
150°	201.4	202.3	203.0	203.8	204.8	205.7	206.6	207.7	208.8	209.1	209.5
152.5°	197.3	198.3	199.1	200.0	201.1	202.0	203.1	204.2	205.2	205.5	206.0
155°	194.0	194.8	195.8	196.8	197.7	198.7	199.8	200.8	201.8	202.3	202.6
157.5°	192.1	192.9	193.7	194.6	195.5	196.4	197.3	198.3	199.2	199.6	199.9
160°	191.2	191.9	192.7	193.3	194.2	194.9	195.9	196.6	197.4	197.8	198.1
162.5°	190.4	191.1	192.0	192.5	193.4	194.2	195.0	195.8	196.6	196.9	197.3
165°	190.4	190.8	191.5	192.0	192.6	193.2	193.8	194.3	195.0	195.3	195.7
167.5°	192.1	192.5	192.9	193.3	193.9	194.3	194.7	195.2	195.8	196.0	196.4
170°	192.7	193.1	193.3	193.8	194.3	194.6	195.0	195.4	196.0	196.2	196.5
172.5°	193.8	194.0	194.4	194.6	194.7	195.0	195.4	195.7	196.0	196.3	196.6
175°	195.3	195.4	195.6	195.7	195.7	195.9	196.0	196.2	196.4	196.6	196.9
177.5°	197.1	197.2	197.3	197.3	197.5	197.6	197.6	197.8	198.0	198.3	198.5
180°	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6



TEST NUMBER: P1444867
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CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6
2.5°	14650.8	14650.6	14650.2	14649.5	14648.9	14649.2	14649.9	14651.6	14654.5	14658.8	14664.3
5°	14599.4	14602.4	14604.1	14604.3	14602.8	14601.9	14603.3	14607.3	14615.4	14629.0	14647.5
7.5°	14545.5	14549.2	14554.8	14559.1	14559.9	14558.8	14559.1	14565.4	14580.4	14606.9	14644.1
10°	14487.9	14476.9	14482.7	14493.2	14501.7	14503.2	14504.2	14511.6	14533.6	14573.7	14633.5
12.5°	14434.7	14400.1	14393.4	14402.9	14415.7	14419.8	14418.5	14421.8	14447.4	14500.5	14583.8
15°	14364.8	14299.5	14277.2	14279.7	14295.4	14301.1	14297.0	14290.7	14315.7	14380.5	14488.2
17.5°	14251.6	14146.4	14105.4	14103.7	14122.1	14127.0	14116.9	14097.3	14121.9	14202.7	14336.5
20°	14079.4	13924.3	13847.1	13834.9	13854.9	13849.0	13828.8	13799.2	13831.5	13929.8	14089.0
22.5°	13770.0	13573.4	13441.6	13399.1	13423.0	13407.1	13377.6	13339.8	13382.8	13494.5	13671.7
25°	13264.5	13037.2	12856.9	12755.6	12774.7	12746.0	12714.0	12668.1	12719.4	12847.6	13042.7
27.5°	12521.4	12258.9	12035.4	11867.8	11874.0	11836.4	11799.6	11740.1	11804.1	11955.8	12175.9
30°	11533.3	11229.5	10957.3	10729.6	10709.2	10672.8	10635.0	10557.1	10637.1	10818.8	11076.0
32.5°	10292.4	9955.2	9640.6	9352.6	9298.3	9262.8	9229.1	9139.4	9244.3	9456.1	9751.6
35°	8841.2	8482.0	8140.9	7812.0	7722.1	7686.6	7657.1	7571.2	7702.0	7932.5	8251.6
37.5°	7248.3	6881.3	6542.6	6205.5	6078.3	6030.2	6008.8	5952.5	6103.4	6331.4	6651.8
40°	5613.0	5271.8	4968.2	4670.4	4525.3	4451.8	4440.5	4430.3	4576.3	4774.0	5064.9
42.5°	4083.3	3808.0	3573.8	3346.2	3214.8	3114.3	3114.3	3144.8	3276.1	3424.3	3648.6
45°	2824.5	2639.8	2490.6	2338.5	2379.2	2178.8	2296.5	2236.1	2301.0	2396.6	2542.3
47.5°	1941.6	1840.8	1758.8	1673.8	1611.8	1552.7	1557.8	1596.0	1657.2	1713.8	1789.8
50°	1415.0	1363.8	1321.9	1277.8	1247.1	1220.9	1222.4	1239.0	1271.1	1300.9	1340.6
52.5°	1108.8	1080.5	1057.8	1033.4	1017.2	1004.3	1004.9	1013.0	1030.4	1047.4	1070.2
55°	914.0	910.5	881.0	859.2	850.8	842.1	843.6	846.8	858.6	868.6	883.7
57.5°	765.9	752.6	743.8	732.2	726.9	720.9	722.2	723.4	731.3	738.0	748.9
60°	661.3	652.0	645.6	637.8	634.3	630.5	631.3	632.1	637.1	641.5	649.3
62.5°	591.8	583.5	578.0	572.0	569.5	566.9	567.5	567.7	570.8	574.1	580.0
65°	538.6	531.9	527.4	522.2	519.7	516.9	517.1	517.1	519.8	522.2	526.6
67.5°	482.2	477.2	474.3	470.1	468.4	465.7	465.6	464.7	466.4	467.3	470.4
70°	437.1	431.9	428.2	424.2	422.0	419.6	419.7	419.7	421.7	423.9	427.7
72.5°	409.1	404.3	400.9	397.4	395.3	393.3	392.9	392.6	394.1	395.3	397.8
75°	372.1	368.2	366.3	363.0	361.3	359.0	358.6	357.5	358.3	358.5	360.4
77.5°	327.2	323.5	321.9	318.7	317.3	314.6	314.4	313.2	313.8	313.4	314.9
80°	276.0	272.7	271.9	269.2	268.5	266.0	265.6	264.1	264.6	263.5	264.0
82.5°	219.0	215.9	215.3	212.8	212.8	210.5	210.4	208.1	208.1	206.3	203.2
85°	154.2	152.0	151.1	149.0	148.4	146.6	145.7	143.5	142.8	141.4	140.9
87.5°	81.4	80.0	78.7	77.8	75.9	72.7	72.5	70.2	70.4	68.8	68.9
90°	23.1	21.0	20.5	18.6	17.9	16.4	16.0	16.2	16.7	16.9	17.6
92.5°	20.7	20.0	19.2	18.5	17.7	16.9	16.2	16.9	17.7	18.5	19.2
95°	23.6	22.9	22.2	21.6	20.9	20.2	19.5	20.2	20.9	21.6	22.2
97.5°	26.2	25.7	25.4	24.9	24.4	24.1	23.6	24.2	24.5	25.0	25.5
100°	30.2	29.7	29.2	28.7	28.2	27.7	27.1	27.8	28.2	28.8	29.3
102.5°	52.0	48.9	45.7	42.6	39.4	36.2	33.1	36.2	39.4	42.6	45.8
105°	123.1	112.5	101.8	91.1	80.6	69.9	59.2	69.9	80.6	91.1	101.9
107.5°	247.1	228.5	209.7	190.9	172.2	153.4	134.6	153.5	172.3	191.0	209.8
110°	366.5	350.5	334.2	318.1	301.9	285.7	269.4	285.8	302.0	318.2	334.4



TEST NUMBER: P1444867
 CATALOG NUMBER: EHBR1-18-UNV-TA-L950-UPL15

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	431.3	421.5	411.7	401.9	392.0	382.2	372.3	382.3	392.2	402.2	412.0
115°	445.1	439.9	434.9	429.7	424.5	419.3	414.0	419.5	424.8	430.1	435.4
117.5°	429.3	427.6	425.7	424.0	422.1	420.3	418.4	420.4	422.4	424.4	426.3
120°	396.5	396.7	397.0	397.2	397.4	397.6	397.7	397.8	397.8	397.8	397.7
122.5°	360.6	362.0	363.3	364.7	366.1	367.4	368.6	367.6	366.4	365.4	364.2
125°	327.6	329.1	330.5	332.0	333.3	334.8	335.9	335.0	333.9	332.8	331.5
127.5°	299.7	301.0	302.4	303.7	304.9	306.1	307.2	306.4	305.5	304.6	303.5
130°	276.7	277.9	278.7	279.8	280.7	281.6	282.4	281.9	281.2	280.9	280.0
132.5°	260.2	261.2	261.9	262.8	263.4	264.1	264.5	264.3	264.1	263.8	263.2
135°	247.7	248.4	248.7	249.4	249.8	250.2	250.5	250.6	250.5	250.4	250.1
137.5°	237.2	237.7	238.0	238.2	238.4	238.6	238.6	239.0	239.2	239.4	239.4
140°	230.5	230.9	231.3	231.4	231.8	232.0	232.0	232.4	232.6	232.7	232.7
142.5°	223.6	224.0	224.3	224.6	224.8	225.0	225.0	225.4	225.6	225.7	225.8
145°	218.6	218.9	219.1	219.3	219.5	219.5	219.4	219.8	220.1	220.3	220.6
147.5°	213.7	213.9	214.2	214.3	214.3	214.4	214.4	214.8	215.0	215.3	215.6
150°	209.9	210.3	210.6	210.9	211.1	211.3	211.4	211.7	211.8	211.9	212.0
152.5°	206.3	206.5	206.9	207.2	207.4	207.5	207.6	207.8	208.1	208.3	208.4
155°	203.0	203.4	203.7	204.0	204.2	204.5	204.7	205.0	205.1	205.2	205.3
157.5°	200.2	200.6	200.9	201.2	201.3	201.7	201.9	202.2	202.4	202.5	202.7
160°	198.4	198.7	199.0	199.3	199.6	199.9	200.0	200.3	200.6	200.7	201.0
162.5°	197.5	197.8	198.0	198.3	198.6	198.8	199.1	199.4	199.6	199.8	199.9
165°	196.0	196.4	196.6	197.0	197.3	197.7	198.0	198.2	198.3	198.4	198.5
167.5°	196.7	197.1	197.3	197.6	197.8	198.2	198.6	198.6	198.7	198.8	198.8
170°	196.8	197.2	197.3	197.6	197.9	198.2	198.4	198.5	198.6	198.6	198.7
172.5°	196.8	197.3	197.5	197.9	198.1	198.5	198.7	198.8	198.7	198.7	198.6
175°	197.1	197.4	197.6	197.9	198.2	198.5	198.7	198.6	198.6	198.5	198.4
177.5°	198.8	199.2	199.5	199.8	200.0	200.2	200.6	200.3	200.2	199.9	199.7
180°	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6



TEST NUMBER: P1444867
 CATALOG NUMBER: EHBR1-18-UNV-TA-L950-UPL15

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6
2.5°	14672.2	14679.5	14690.8	14700.9	14716.2	14728.3	14746.5	14760.3	14780.7	14794.1	14816.3
5°	14673.5	14702.2	14739.9	14776.8	14821.0	14861.3	14911.3	14953.8	15004.0	15045.0	15096.3
7.5°	14694.2	14749.6	14815.9	14882.8	14958.5	15029.2	15108.8	15181.0	15259.8	15326.6	15399.4
10°	14709.5	14794.9	14892.7	14991.1	15094.7	15190.9	15288.0	15372.0	15450.4	15515.0	15572.0
12.5°	14688.8	14806.5	14931.9	15053.0	15168.2	15267.8	15351.4	15416.0	15460.5	15490.7	15497.8
15°	14618.2	14759.8	14896.2	15016.9	15112.4	15186.2	15224.3	15242.1	15223.0	15191.1	15121.2
17.5°	14486.5	14635.8	14757.7	14852.9	14903.4	14923.4	14891.7	14836.8	14729.4	14610.1	14438.0
20°	14244.9	14383.9	14472.4	14524.4	14510.8	14460.8	14341.5	14196.5	13982.0	13753.5	13451.8
22.5°	13821.0	13942.7	13989.8	13993.7	13911.3	13786.1	13570.9	13322.2	12983.8	12632.0	12199.5
25°	13185.0	13291.4	13298.9	13257.1	13106.2	12903.4	12587.5	12235.6	11775.9	11307.1	10765.0
27.5°	12322.2	12424.3	12399.3	12321.3	12111.8	11840.6	11436.0	10981.5	10414.6	9861.1	9261.3
30°	11237.7	11346.9	11317.5	11217.4	10968.4	10647.7	10171.7	9643.6	9014.3	8423.0	7815.2
32.5°	9939.8	10077.9	10057.7	9962.5	9702.6	9359.5	8842.9	8282.9	7638.9	7056.2	6465.1
35°	8464.7	8632.4	8641.0	8578.8	8337.5	7998.4	7488.4	6946.1	6329.4	5779.6	5233.5
37.5°	6875.4	7069.7	7109.7	7092.9	6892.9	6593.5	6128.8	5642.4	5096.1	4614.3	4147.2
40°	5277.3	5474.0	5542.3	5562.5	5415.0	5183.1	4801.7	4409.1	3963.7	3573.3	3202.4
42.5°	3819.9	3994.3	4060.2	4101.8	4009.6	3855.0	3576.8	3291.7	2965.4	2683.7	2413.7
45°	2653.0	2776.4	2826.6	2868.3	2818.1	2730.9	2555.2	2376.9	2161.5	1977.4	1803.2
47.5°	1854.8	1922.9	1956.0	1976.2	1956.8	1911.4	1815.7	1712.4	1590.8	1483.3	1379.9
50°	1374.8	1411.0	1428.4	1440.1	1425.9	1400.6	1348.9	1292.7	1225.9	1165.0	1105.5
52.5°	1089.5	1110.3	1120.6	1126.9	1118.7	1103.3	1073.2	1039.9	999.8	962.2	942.4
55°	917.9	916.8	940.5	929.1	940.5	914.9	909.5	872.9	839.6	816.2	790.9
57.5°	756.9	767.7	772.3	777.4	774.0	769.4	756.6	743.5	725.9	711.2	695.6
60°	655.2	664.1	669.1	674.2	673.9	672.1	664.7	656.9	645.9	637.1	627.6
62.5°	585.2	592.9	597.8	602.6	603.1	602.3	596.8	591.3	583.9	578.4	571.8
65°	530.1	535.4	538.8	542.7	542.4	541.4	536.4	531.8	525.7	521.9	517.1
67.5°	472.4	476.4	479.1	482.7	483.4	483.6	480.8	478.7	475.7	474.6	473.0
70°	431.3	436.2	440.5	445.0	447.6	448.8	447.6	446.5	444.8	444.0	442.7
72.5°	400.3	404.4	407.7	411.9	414.3	416.0	415.0	414.4	412.9	412.7	411.8
75°	361.7	364.6	366.4	369.6	370.8	372.4	371.7	372.1	371.6	372.8	372.8
77.5°	315.3	317.5	318.3	320.6	320.8	322.8	323.1	325.4	327.0	330.5	332.3
80°	263.1	264.5	264.5	266.8	267.9	271.1	272.6	276.2	278.0	281.1	281.3
82.5°	204.4	202.8	204.4	203.4	206.4	210.0	210.5	213.6	214.3	216.3	214.7
85°	139.7	139.6	138.3	138.6	137.7	138.1	137.6	138.2	137.6	137.7	136.2
87.5°	67.0	67.5	66.1	66.6	65.1	65.8	64.6	65.5	64.1	64.3	62.1
90°	17.8	18.4	18.8	19.3	20.0	21.5	22.9	24.3	25.9	27.3	28.8
92.5°	20.0	20.8	21.6	22.4	23.1	25.5	27.8	30.0	32.3	34.7	37.0
95°	22.9	23.6	24.2	25.1	25.7	29.1	32.4	35.7	39.0	42.4	45.7
97.5°	25.9	26.4	26.9	27.2	27.7	31.6	35.5	39.5	43.4	47.3	51.2
100°	29.9	30.4	30.9	31.4	32.0	41.0	50.1	59.1	68.1	77.2	86.2
102.5°	49.0	52.1	55.3	58.6	61.8	83.7	105.6	127.6	149.3	171.2	193.2
105°	112.6	123.3	134.0	144.7	155.3	188.5	221.8	254.9	288.0	321.2	354.4
107.5°	228.7	247.4	266.2	285.0	303.7	334.9	366.2	397.4	428.6	459.7	490.9
110°	350.7	366.8	383.2	399.3	415.6	440.3	465.1	489.9	514.6	539.4	564.1



TEST NUMBER: P1444867
 CATALOG NUMBER: EHBR1-18-UNV-TA-L950-UPL15

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	422.0	431.8	441.7	451.5	461.4	479.6	497.8	516.0	534.1	552.3	570.4
115°	440.6	445.7	451.0	456.2	461.5	472.5	483.4	494.4	505.3	516.2	527.3
117.5°	428.2	430.2	432.0	433.8	435.7	441.2	447.0	452.6	458.2	463.8	469.5
120°	397.7	397.5	397.4	397.2	397.0	398.7	400.5	402.2	404.1	405.8	407.5
122.5°	363.0	361.7	360.5	359.1	357.9	357.2	356.7	355.9	355.4	354.8	354.2
125°	330.3	329.0	327.7	326.3	324.9	323.3	321.8	320.3	318.6	317.0	315.3
127.5°	302.4	301.2	300.2	298.9	297.7	295.8	294.1	292.2	290.4	288.7	286.8
130°	279.4	278.5	277.7	276.6	275.9	274.2	272.7	271.1	269.5	268.0	266.4
132.5°	262.8	262.2	261.6	260.9	260.2	258.8	257.5	256.0	254.6	253.1	251.8
135°	250.0	249.7	249.4	248.9	248.4	247.3	246.3	245.2	244.2	243.1	242.0
137.5°	239.4	239.3	239.2	239.1	239.0	237.9	237.1	236.2	235.3	234.4	233.6
140°	232.7	232.7	232.6	232.4	232.3	231.3	230.3	229.4	228.6	227.5	226.6
142.5°	225.8	225.8	225.7	225.5	225.4	224.6	224.0	223.2	222.5	221.7	221.0
145°	220.7	220.8	220.8	220.7	220.9	219.9	219.1	218.2	217.4	216.5	215.6
147.5°	215.6	215.7	215.9	215.8	216.0	215.3	214.6	213.9	213.2	212.5	211.8
150°	212.0	212.0	212.0	212.0	211.9	211.3	210.5	209.8	209.1	208.3	207.7
152.5°	208.4	208.5	208.6	208.6	208.7	208.0	207.2	206.4	205.7	204.9	204.2
155°	205.4	205.5	205.5	205.5	205.5	204.9	204.1	203.5	202.7	202.0	201.2
157.5°	202.8	202.9	203.0	203.1	203.1	202.5	201.9	201.3	200.7	200.1	199.5
160°	201.1	201.2	201.3	201.3	201.5	201.0	200.6	199.9	199.6	198.9	198.4
162.5°	200.1	200.3	200.4	200.4	200.6	200.0	199.7	199.1	198.6	198.0	197.5
165°	198.6	198.6	198.6	198.6	198.6	198.3	198.1	197.7	197.3	197.0	196.6
167.5°	199.0	199.0	199.0	199.0	199.0	198.7	198.6	198.4	198.1	197.8	197.5
170°	198.8	198.8	198.8	198.8	198.8	198.6	198.3	198.1	198.0	197.5	197.3
172.5°	198.6	198.5	198.5	198.4	198.3	198.1	197.9	197.7	197.6	197.5	197.3
175°	198.4	198.2	198.1	198.0	197.8	197.8	197.7	197.7	197.6	197.6	197.5
177.5°	199.6	199.4	199.1	198.9	198.7	198.6	198.6	198.6	198.6	198.5	198.4
180°	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6



TEST NUMBER: P1444867
 CATALOG NUMBER: EHBR1-18-UNV-TA-L950-UPL15

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6
2.5°	14830.1	14738.5	14726.5	14732.9	14748.2	14753.9	14770.3	14774.9	14791.5	14795.6	14811.6
5°	15136.1	15015.0	15021.1	15050.3	15094.3	15120.6	15163.9	15186.6	15227.9	15246.7	15284.0
7.5°	15458.8	15363.7	15393.4	15442.4	15502.7	15544.4	15596.5	15630.4	15675.2	15703.0	15738.9
10°	15617.2	15591.2	15623.8	15662.4	15696.8	15723.8	15745.8	15763.4	15775.0	15785.8	15790.6
12.5°	15496.7	15537.0	15542.5	15538.8	15516.0	15498.6	15459.5	15433.0	15385.9	15357.2	15301.1
15°	15049.7	15138.3	15089.3	15014.9	14906.2	14815.6	14687.5	14592.2	14458.9	14368.5	14234.7
17.5°	14265.3	14377.2	14249.4	14077.4	13858.7	13671.5	13438.5	13253.5	13021.9	12853.4	12637.2
20°	13161.1	13265.6	13037.5	12752.6	12414.2	12129.4	11793.6	11525.7	11213.6	10981.5	10701.3
22.5°	11786.3	11860.7	11539.3	11155.1	10724.0	10368.3	9966.8	9645.5	9289.5	9024.0	8725.3
25°	10265.2	10285.3	9899.8	9457.1	8976.6	8576.8	8148.2	7810.5	7447.3	7178.3	6885.2
27.5°	8730.0	8700.5	8283.9	7814.5	7309.1	6893.5	6475.5	6159.0	5840.9	5598.6	5346.0
30°	7281.0	7209.6	6777.0	6294.6	5803.9	5431.5	5084.4	4830.3	4577.2	4385.0	4182.3
32.5°	5952.2	5851.5	5430.4	4978.4	4565.0	4277.5	4020.2	3827.9	3623.5	3461.2	3291.0
35°	4775.2	4668.0	4294.9	3911.7	3598.8	3386.9	3184.6	3026.9	2853.4	2716.5	2568.6
37.5°	3765.1	3677.2	3364.7	3063.2	2826.6	2662.3	2496.6	2367.7	2224.3	2164.0	2006.1
40°	2906.6	2845.2	2600.9	2378.6	2200.9	2123.8	1955.5	1835.1	1727.9	1639.5	1553.9
42.5°	2267.2	2245.5	2007.7	1834.3	1709.2	1612.0	1518.3	1442.2	1368.0	1307.2	1249.7
45°	1663.9	1646.6	1541.0	1441.0	1355.7	1287.8	1224.4	1172.1	1123.6	1083.4	1046.9
47.5°	1295.6	1290.1	1229.3	1167.2	1113.5	1069.9	1028.8	994.1	961.9	935.1	926.3
50°	1053.8	1053.1	1017.4	979.1	940.8	915.6	889.3	868.8	848.2	832.1	815.1
52.5°	895.4	891.5	867.4	843.7	821.1	804.5	787.7	774.6	760.9	751.0	740.4
55°	770.8	774.9	760.9	746.8	732.6	722.3	710.6	701.9	692.6	686.2	679.9
57.5°	684.3	689.7	682.4	674.4	665.7	658.9	650.8	644.9	638.6	634.6	631.0
60°	621.4	627.2	624.4	620.3	615.0	610.9	605.8	602.4	598.3	596.1	594.1
62.5°	568.0	575.3	574.3	572.4	569.0	566.8	563.9	562.4	559.8	558.8	557.8
65°	514.7	523.0	522.8	521.9	520.0	519.4	517.6	517.2	515.9	516.5	516.3
67.5°	472.8	480.0	481.6	482.8	482.7	483.1	483.0	483.7	483.7	484.7	485.4
70°	442.6	447.6	448.8	450.0	450.3	451.3	451.3	451.9	451.7	452.6	452.8
72.5°	412.1	418.7	419.8	420.8	420.8	421.7	421.3	421.1	419.8	419.5	418.6
75°	374.0	382.4	384.3	385.5	385.7	386.5	385.3	384.7	382.4	381.6	380.0
77.5°	334.3	343.0	344.3	344.8	344.1	344.2	341.8	340.2	337.5	336.3	334.9
80°	282.5	295.5	296.6	295.7	293.7	293.3	291.0	289.5	286.2	285.1	283.8
82.5°	215.0	230.1	232.3	233.2	231.6	232.0	229.8	228.8	225.8	225.3	223.3
85°	135.7	150.9	153.4	153.0	151.4	151.0	149.7	150.1	149.9	150.7	151.2
87.5°	62.3	77.0	80.6	79.4	79.3	78.2	75.9	76.7	78.1	79.1	79.2
90°	30.4	36.2	37.6	36.7	34.5	33.4	31.1	30.4	28.4	27.5	25.6
92.5°	39.2	41.5	43.9	41.8	39.8	37.7	35.7	33.5	31.6	29.5	27.5
95°	49.0	52.2	55.6	52.9	50.1	47.4	44.7	41.9	39.2	36.5	33.7
97.5°	55.2	59.0	62.8	60.1	57.3	54.5	51.8	49.1	46.3	43.6	40.8
100°	95.2	104.1	113.1	105.3	97.5	89.7	81.9	74.1	66.3	58.5	50.8
102.5°	215.0	236.7	258.6	239.0	219.3	199.6	180.0	160.3	140.7	120.9	101.3
105°	387.4	420.4	453.5	423.4	393.4	363.4	333.4	303.4	273.3	243.2	213.2
107.5°	522.1	552.8	583.9	556.7	529.6	502.4	475.1	448.1	421.0	393.7	366.6
110°	588.9	613.0	637.7	619.3	601.1	582.8	564.6	546.4	528.2	510.0	491.9



TEST NUMBER: P1444867
 CATALOG NUMBER: EHBR1-18-UNV-TA-L950-UPL15

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	588.5	606.0	623.9	613.1	602.4	591.8	581.1	570.4	559.8	549.1	538.5
115°	538.0	548.3	559.0	554.6	550.4	546.1	541.9	537.6	533.3	529.1	525.0
117.5°	475.1	479.7	485.0	484.1	483.3	482.4	481.7	480.7	480.1	479.2	478.6
120°	409.2	409.8	411.2	411.7	412.2	412.7	413.2	413.6	414.1	414.8	415.3
122.5°	353.4	351.8	350.7	351.1	351.6	352.0	352.4	352.9	353.3	353.9	354.4
125°	313.9	311.0	308.9	308.1	307.4	306.5	305.7	304.8	304.1	303.4	302.7
127.5°	285.0	281.9	279.7	277.9	276.1	274.4	272.6	270.7	269.0	267.2	265.5
130°	264.9	261.8	259.9	257.6	255.5	253.2	251.0	248.8	246.5	244.3	242.0
132.5°	250.3	247.3	245.6	243.5	241.4	239.2	237.1	235.0	232.7	230.6	228.5
135°	240.9	238.2	236.8	234.8	233.0	231.0	228.9	227.1	225.1	223.0	221.2
137.5°	232.6	230.0	228.7	227.2	225.7	224.1	222.6	221.0	219.5	217.8	216.3
140°	225.7	222.9	221.6	220.7	219.9	218.8	218.0	217.0	216.2	215.2	214.3
142.5°	220.3	217.7	216.6	215.9	215.4	214.8	214.3	213.7	213.0	212.4	211.7
145°	214.8	211.8	210.6	210.5	210.5	210.4	210.3	210.2	210.1	209.9	209.8
147.5°	211.1	208.1	206.9	207.0	207.1	207.0	207.2	207.2	207.4	207.3	207.4
150°	206.8	203.5	202.1	202.4	202.5	202.7	202.9	203.1	203.4	203.6	203.8
152.5°	203.4	199.3	197.7	198.0	198.3	198.5	198.8	199.0	199.4	199.7	199.9
155°	200.4	196.0	194.4	194.4	194.5	194.6	194.7	194.8	195.0	195.2	195.5
157.5°	198.7	194.2	192.6	192.5	192.5	192.6	192.6	192.6	192.7	192.8	193.0
160°	197.7	193.3	191.7	191.6	191.6	191.6	191.6	191.5	191.6	191.7	191.9
162.5°	196.8	192.5	190.9	190.7	190.7	190.7	190.7	190.6	190.7	190.7	190.8
165°	196.1	192.4	190.9	190.9	191.0	191.0	191.1	191.1	191.2	191.4	191.6
167.5°	197.3	193.8	192.7	192.6	192.4	192.2	192.2	192.0	192.0	192.0	192.0
170°	197.1	194.3	193.3	193.3	193.4	193.3	193.3	193.4	193.4	193.4	193.5
172.5°	197.1	195.1	194.4	194.6	194.7	194.8	195.0	195.0	195.2	195.4	195.6
175°	197.4	196.2	196.0	195.9	196.0	196.0	196.1	196.1	196.2	196.3	196.6
177.5°	198.3	197.9	197.7	197.7	197.7	197.7	197.7	197.7	197.7	197.8	197.8
180°	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6



TEST NUMBER: P1444867
 CATALOG NUMBER: EHBR1-18-UNV-TA-L950-UPL15

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6
2.5°	14814.5	14831.8	14830.5	14846.6	14845.8	14861.0	14857.9	14871.1	14868.1	14879.3	14872.7
5°	15300.5	15333.4	15344.2	15373.8	15380.0	15406.5	15407.0	15428.1	15425.6	15442.1	15433.3
7.5°	15760.2	15790.8	15805.4	15828.5	15839.9	15859.0	15866.5	15882.2	15885.9	15895.2	15894.9
10°	15798.9	15798.8	15806.1	15802.8	15809.2	15805.5	15813.4	15810.5	15822.2	15819.2	15827.9
12.5°	15277.0	15225.1	15206.3	15159.7	15149.5	15109.6	15112.4	15086.9	15099.2	15083.4	15110.3
15°	14155.1	14034.9	13975.5	13871.0	13838.2	13755.6	13748.9	13694.1	13708.9	13680.2	13722.2
17.5°	12497.2	12308.1	12204.2	12051.6	11991.1	11874.3	11850.8	11780.1	11791.1	11755.5	11806.3
20°	10520.6	10292.0	10161.1	9984.5	9905.8	9766.6	9729.7	9650.7	9660.6	9625.2	9682.5
22.5°	8521.5	8282.1	8134.3	7949.3	7848.9	7717.9	7678.6	7599.2	7603.8	7570.5	7625.6
25°	6684.3	6454.9	6311.4	6143.4	6056.2	5936.1	5894.8	5823.6	5827.6	5800.2	5849.6
27.5°	5170.8	4982.6	4862.5	4721.7	4643.5	4544.8	4504.5	4444.6	4444.4	4424.3	4465.7
30°	4040.7	3883.6	3775.8	3653.2	3579.7	3490.7	3451.8	3398.1	3395.8	3381.5	3414.4
32.5°	3163.8	3024.1	2925.7	2817.8	2751.8	2675.5	2638.6	2595.5	2591.6	2578.7	2605.7
35°	2459.5	2341.7	2257.2	2166.3	2173.0	2060.3	2079.0	1991.4	1967.7	1962.5	1982.5
37.5°	1900.9	1809.7	1741.1	1673.0	1626.9	1579.2	1553.6	1530.5	1527.9	1525.7	1539.7
40°	1487.9	1424.1	1374.2	1327.4	1295.7	1266.7	1250.6	1238.0	1234.9	1233.2	1241.8
42.5°	1204.2	1161.1	1129.0	1100.4	1081.2	1065.4	1056.6	1049.5	1047.2	1047.2	1052.2
45°	1017.4	991.3	970.6	952.8	940.5	945.9	930.0	938.3	927.3	938.7	931.2
47.5°	895.9	873.7	860.9	848.4	840.8	834.9	835.1	835.2	837.6	838.0	840.4
50°	802.3	789.4	780.5	772.5	768.6	765.4	766.5	767.4	769.6	769.8	771.5
52.5°	732.9	724.4	719.0	714.1	712.4	710.6	711.3	711.0	712.1	711.5	713.0
55°	676.5	672.5	670.8	669.0	669.2	668.7	669.1	667.3	666.2	664.8	666.1
57.5°	630.1	629.6	630.8	631.5	633.7	634.4	634.9	632.8	630.9	629.1	630.1
60°	594.4	595.4	598.2	600.5	603.6	604.9	605.8	604.6	603.2	601.7	602.6
62.5°	559.2	560.6	564.0	566.6	570.3	572.1	574.3	574.4	574.9	574.4	575.0
65°	518.4	520.1	523.2	525.3	528.8	530.4	532.6	532.9	534.1	533.9	534.9
67.5°	487.3	488.9	491.4	493.5	496.5	498.3	500.1	500.2	500.7	500.6	501.6
70°	454.2	455.0	457.3	459.0	462.0	463.8	466.0	466.7	468.0	468.3	469.3
72.5°	418.9	418.7	420.0	420.7	423.0	424.4	427.2	428.8	431.0	431.7	432.4
75°	380.5	380.2	381.8	382.4	384.4	385.9	388.9	391.0	394.5	396.0	395.5
77.5°	336.0	336.7	339.8	341.4	344.1	345.9	349.9	353.2	359.6	362.4	359.6
80°	286.2	287.0	290.2	291.7	295.2	297.3	301.9	305.6	311.4	312.7	311.1
82.5°	225.0	225.2	228.0	229.2	233.7	236.9	242.7	245.7	249.3	248.7	248.3
85°	153.4	155.4	159.1	162.6	168.0	173.3	178.7	183.1	180.0	184.9	179.3
87.5°	81.9	81.8	86.6	85.9	93.5	97.8	102.6	104.8	107.3	106.8	106.8
90°	25.0	23.7	23.5	22.1	22.4	20.8	21.5	20.1	20.9	19.2	21.8
92.5°	25.4	24.3	23.1	22.1	20.9	20.0	18.8	17.7	16.5	15.4	16.5
95°	31.0	30.0	29.0	27.9	26.9	25.8	24.8	23.8	22.8	21.7	23.0
97.5°	38.1	37.5	36.9	36.3	35.7	35.1	34.5	33.9	33.2	32.6	33.4
100°	43.0	43.0	43.0	43.0	42.9	42.9	42.9	42.9	42.9	42.9	43.6
102.5°	81.6	79.6	77.7	75.7	73.8	71.7	69.8	67.8	65.9	63.9	66.8
105°	183.3	175.6	167.9	160.2	152.5	144.8	137.1	129.4	121.8	114.1	122.0
107.5°	339.6	325.5	311.5	297.5	283.5	269.4	255.5	241.5	227.5	213.5	226.1
110°	473.7	458.7	443.8	429.0	414.0	399.2	384.4	369.5	354.6	339.8	351.8



TEST NUMBER: P1444867
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	527.9	518.2	508.5	498.9	489.3	479.8	470.2	460.7	451.1	441.5	447.3
115°	520.9	516.2	511.6	507.0	502.5	497.8	493.2	488.7	484.2	479.6	480.0
117.5°	477.8	476.2	474.6	473.0	471.5	470.0	468.6	467.1	465.6	464.2	460.9
120°	416.0	416.2	416.7	417.2	417.6	418.2	418.6	419.1	419.8	420.3	416.0
122.5°	354.8	355.9	357.0	358.0	359.2	360.4	361.5	362.7	364.0	365.3	361.0
125°	301.9	302.9	303.9	304.9	306.0	307.2	308.4	309.6	310.8	312.2	308.6
127.5°	263.8	264.1	264.3	264.6	265.1	265.4	266.0	266.6	267.2	267.8	265.4
130°	239.9	239.3	238.8	238.4	237.9	237.7	237.3	237.1	236.9	236.7	235.7
132.5°	226.3	225.3	224.2	223.3	222.2	221.4	220.5	219.8	219.0	218.4	218.1
135°	219.2	217.8	216.4	215.0	213.7	212.5	211.3	210.3	209.2	208.2	208.5
137.5°	214.6	213.3	211.8	210.5	209.2	208.0	206.7	205.7	204.7	203.7	204.1
140°	213.3	211.8	210.4	209.1	207.9	206.7	205.6	204.6	203.4	202.5	202.8
142.5°	211.1	210.0	208.7	207.5	206.3	205.1	204.1	203.2	202.2	201.4	201.7
145°	209.6	208.8	207.7	206.8	206.1	205.2	204.4	203.8	203.0	202.5	202.7
147.5°	207.5	206.7	206.0	205.3	204.7	204.1	203.6	203.0	202.5	202.2	202.2
150°	203.9	203.6	203.1	202.7	202.2	201.9	201.5	201.2	200.9	200.7	200.6
152.5°	200.2	199.9	199.5	199.1	198.6	198.5	198.1	197.8	197.6	197.3	197.3
155°	195.7	195.5	195.3	195.1	194.9	195.0	194.8	194.8	194.7	194.6	194.7
157.5°	193.1	193.1	193.0	193.1	193.1	193.2	193.1	193.3	193.2	193.3	193.4
160°	192.0	192.0	191.9	191.9	191.9	191.8	191.7	191.8	191.8	191.8	192.0
162.5°	190.9	191.1	191.1	191.2	191.4	191.5	191.7	192.0	192.0	192.2	192.4
165°	191.8	191.7	191.7	191.6	191.7	191.7	191.7	191.9	191.9	192.0	192.2
167.5°	191.9	192.0	192.0	192.2	192.3	192.4	192.6	192.9	193.1	193.3	193.5
170°	193.5	193.5	193.5	193.5	193.5	193.6	193.7	193.7	193.8	193.9	194.1
172.5°	195.8	195.8	195.7	195.8	195.7	195.8	195.8	195.8	195.8	195.9	196.0
175°	196.5	196.8	196.9	197.0	197.1	197.2	197.3	197.3	197.4	197.5	197.5
177.5°	197.8	197.8	197.8	197.8	197.8	197.9	197.9	197.9	197.9	197.8	197.9
180°	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6



TEST NUMBER: P1444867
 CATALOG NUMBER: EHBR1-18-UNV-TA-L950-UPL15

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6
2.5°	14883.7	14876.2	14883.8	14876.1	14883.8	14874.6	14880.9	14870.8	14873.3	14862.9	14865.6
5°	15446.4	15434.5	15440.9	15425.4	15427.1	15406.5	15406.1	15382.1	15375.8	15348.5	15336.5
7.5°	15901.5	15897.6	15899.8	15889.9	15888.8	15874.7	15868.0	15848.2	15835.7	15810.5	15793.5
10°	15829.5	15841.1	15844.1	15855.9	15858.3	15870.1	15872.5	15884.2	15886.6	15895.4	15895.5
12.5°	15109.0	15148.4	15157.8	15206.4	15227.0	15282.6	15312.4	15373.8	15410.3	15471.4	15509.0
15°	13721.0	13789.2	13816.3	13911.3	13963.9	14074.9	14144.5	14271.8	14361.8	14497.1	14593.5
17.5°	11810.7	11905.9	11948.9	12077.7	12161.8	12325.5	12443.5	12637.7	12786.4	13002.2	13173.3
20°	9692.3	9798.2	9856.5	10003.5	10102.7	10293.9	10441.3	10680.0	10878.9	11152.4	11386.3
22.5°	7642.9	7743.6	7808.5	7958.0	8069.6	8269.1	8433.8	8685.7	8908.7	9216.9	9497.2
25°	5868.3	5960.6	6019.2	6154.5	6259.3	6442.7	6599.9	6842.1	7060.3	7369.5	7657.0
27.5°	4486.2	4563.5	4620.0	4735.3	4827.9	4983.3	5118.4	5318.6	5506.6	5774.1	6030.0
30°	3434.6	3503.1	3558.0	3658.5	3744.2	3879.1	3997.8	4166.0	4321.6	4534.4	4738.0
32.5°	2624.7	2683.7	2732.5	2820.5	2898.3	3019.6	3126.7	3274.0	3407.6	3588.1	3755.7
35°	2001.1	2117.3	2109.0	2230.3	2249.8	2336.9	2432.3	2561.3	2679.6	2833.0	2975.6
37.5°	1553.2	1585.9	1620.8	1674.4	1730.8	1810.0	1890.7	2048.1	2105.9	2221.9	2340.0
40°	1252.5	1274.6	1297.7	1333.9	1373.3	1429.2	1487.9	1563.0	1640.0	1734.1	1830.1
42.5°	1058.9	1071.4	1086.0	1107.4	1131.7	1167.1	1206.4	1257.3	1310.9	1377.0	1444.6
45°	946.1	940.2	944.5	956.0	970.6	992.1	1016.9	1048.4	1083.3	1126.2	1171.8
47.5°	840.8	843.3	844.6	850.8	858.6	873.1	888.1	909.5	950.9	963.5	988.4
50°	771.4	772.6	772.2	775.3	779.3	788.7	798.5	813.0	827.4	846.6	864.9
52.5°	713.2	714.9	714.6	716.6	718.8	724.7	730.8	741.2	750.6	762.8	773.3
55°	667.2	669.4	670.3	672.0	673.1	676.2	678.6	683.5	687.5	694.5	700.8
57.5°	631.8	634.9	636.4	636.9	635.7	635.5	634.7	635.7	636.5	640.3	643.8
60°	604.0	606.4	606.8	606.4	604.2	602.5	599.9	599.1	598.6	600.5	602.4
62.5°	574.8	575.8	575.1	574.4	571.8	570.2	567.5	566.5	565.6	566.9	567.9
65°	534.5	535.3	534.5	534.1	531.7	530.5	528.2	527.5	526.2	526.4	526.3
67.5°	501.8	502.6	502.0	501.3	499.8	498.9	497.3	496.1	494.6	494.0	492.9
70°	469.2	469.8	468.8	468.3	466.4	465.7	464.1	463.8	462.5	462.2	461.0
72.5°	431.7	431.7	430.4	430.0	428.6	428.6	427.9	428.5	428.5	429.2	428.9
75°	393.2	392.6	391.1	390.8	389.8	390.2	389.5	390.4	390.6	392.0	392.2
77.5°	354.7	352.8	349.6	348.1	346.1	345.8	344.6	345.4	345.2	346.8	347.5
80°	306.1	303.7	299.7	297.9	295.4	295.0	293.9	295.0	294.4	296.4	297.7
82.5°	244.4	242.3	238.2	236.6	233.9	234.1	232.9	234.1	234.0	236.7	238.4
85°	180.8	179.4	175.1	171.4	167.2	164.7	162.3	161.9	161.2	162.3	163.3
87.5°	104.4	103.1	99.8	97.6	90.3	90.6	87.7	87.5	86.9	86.2	87.7
90°	21.6	24.0	23.9	26.0	26.1	28.5	28.9	31.1	31.2	33.5	34.0
92.5°	17.7	18.8	19.9	20.9	22.0	23.1	24.2	25.4	27.8	30.0	32.5
95°	24.3	25.6	26.9	28.2	29.5	30.7	32.0	33.3	36.8	40.2	43.8
97.5°	34.4	35.2	36.0	36.9	37.7	38.7	39.5	40.3	44.1	47.9	51.7
100°	44.3	45.0	45.6	46.4	47.0	47.7	48.4	49.1	56.4	63.6	70.9
102.5°	69.7	72.7	75.5	78.4	81.3	84.3	87.2	90.0	106.8	123.4	140.0
105°	130.0	137.9	145.9	153.8	161.8	169.7	177.7	185.6	212.3	238.9	265.6
107.5°	238.6	251.1	263.7	276.3	288.9	301.4	313.9	326.6	352.5	378.6	404.6
110°	363.7	375.6	387.5	399.6	411.5	423.5	435.5	447.6	463.2	478.8	494.5



TEST NUMBER: P1444867
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CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	453.1	458.9	464.8	470.6	476.5	482.4	488.3	494.2	502.1	509.8	517.7
115°	480.4	480.7	481.2	481.5	481.9	482.4	482.9	483.4	485.9	488.4	490.9
117.5°	457.8	454.5	451.4	448.3	445.1	442.1	439.0	436.0	435.6	435.0	434.7
120°	411.8	407.6	403.3	399.0	394.9	390.7	386.6	382.5	380.5	378.3	376.4
122.5°	356.8	352.5	348.2	344.1	340.1	335.9	331.9	327.9	326.5	325.1	323.6
125°	304.9	301.5	298.0	294.5	291.2	287.8	284.5	281.2	281.2	281.2	281.3
127.5°	263.3	261.3	259.1	257.1	255.1	253.3	251.3	249.4	250.5	251.5	252.5
130°	234.8	234.0	233.1	232.2	231.6	230.9	230.1	229.5	231.3	232.9	234.8
132.5°	218.1	218.0	217.9	218.0	218.0	218.1	218.3	218.3	220.4	222.3	224.3
135°	208.8	209.1	209.5	209.9	210.4	210.9	211.6	212.1	214.1	215.8	217.8
137.5°	204.6	205.1	205.6	206.3	207.0	207.6	208.4	209.1	210.6	212.1	213.6
140°	203.3	203.5	204.0	204.6	205.1	205.6	206.4	206.9	208.2	209.4	210.6
142.5°	202.2	202.5	202.9	203.4	203.9	204.5	205.1	205.6	206.4	207.4	208.4
145°	203.0	203.3	203.7	204.0	204.4	204.9	205.3	205.7	206.4	206.8	207.6
147.5°	202.4	202.5	202.8	203.1	203.5	203.8	203.9	204.2	204.7	205.1	205.5
150°	200.7	200.8	201.0	201.1	201.3	201.5	201.7	201.9	202.3	202.5	202.9
152.5°	197.5	197.5	197.6	197.8	198.0	198.1	198.2	198.4	198.7	199.0	199.4
155°	194.9	195.1	195.3	195.5	195.8	195.9	196.1	196.3	196.6	196.8	197.1
157.5°	193.6	193.7	194.0	194.2	194.4	194.6	194.8	194.9	195.2	195.4	195.6
160°	192.2	192.6	192.8	193.1	193.3	193.6	193.9	194.3	194.5	194.6	194.8
162.5°	192.6	192.8	193.1	193.3	193.4	193.6	193.8	194.0	194.4	194.6	194.9
165°	192.5	192.8	193.2	193.3	193.7	194.1	194.3	194.6	194.7	195.0	195.2
167.5°	193.9	194.1	194.5	194.6	194.9	195.2	195.5	195.8	196.0	196.0	196.3
170°	194.4	194.6	194.8	195.0	195.3	195.5	195.8	196.0	196.3	196.5	196.8
172.5°	196.1	196.3	196.5	196.6	196.8	197.1	197.3	197.4	197.7	197.9	198.1
175°	197.5	197.5	197.6	197.6	197.7	197.7	197.8	197.9	197.9	198.0	198.0
177.5°	198.0	198.1	198.2	198.3	198.4	198.5	198.6	198.6	198.6	198.6	198.6
180°	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6



TEST NUMBER: P1444867
 CATALOG NUMBER: EHBR1-18-UNV-TA-L950-UPL15

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6
2.5°	14855.2	14855.9	14843.9	14843.2	14832.0	14830.6	14819.6	14816.3	14807.5	14804.2	14795.2
5°	15305.9	15291.4	15257.6	15237.7	15204.5	15182.4	15146.3	15122.8	15088.0	15061.7	15026.7
7.5°	15761.8	15739.1	15701.2	15670.5	15624.4	15587.4	15533.3	15488.9	15430.4	15379.6	15318.0
10°	15895.5	15891.9	15882.3	15868.2	15846.8	15822.5	15785.7	15747.3	15696.0	15640.1	15571.8
12.5°	15566.5	15602.1	15650.5	15679.2	15714.1	15729.4	15743.7	15740.1	15730.7	15702.5	15662.9
15°	14733.2	14833.0	14965.2	15067.6	15185.4	15271.1	15365.7	15424.7	15483.4	15510.5	15527.2
17.5°	13407.8	13596.7	13833.7	14030.1	14256.7	14438.7	14638.2	14788.4	14942.8	15053.5	15153.6
20°	11705.1	11978.9	12314.1	12610.2	12954.4	13253.6	13581.5	13850.7	14128.3	14345.3	14550.8
22.5°	9858.4	10183.6	10588.7	10964.1	11407.9	11806.8	12256.9	12648.6	13057.6	13399.2	13729.6
25°	8042.3	8399.0	8842.0	9260.9	9763.5	10227.5	10761.2	11249.4	11778.0	12236.9	12690.3
27.5°	6384.0	6734.2	7186.5	7632.4	8163.9	8658.3	9230.2	9768.1	10369.9	10924.9	11492.7
30°	5021.1	5318.1	5723.7	6155.5	6679.8	7182.9	7760.9	8314.1	8940.2	9546.3	10185.8
32.5°	3978.1	4204.3	4523.2	4888.3	5372.0	5850.9	6401.4	6935.4	7552.0	8164.1	8829.3
35°	3159.4	3335.8	3578.9	3863.8	4273.5	4686.3	5173.2	5658.8	6234.1	6815.0	7461.4
37.5°	2491.3	2634.5	2824.9	3038.9	3367.5	3706.3	4105.5	4508.1	5007.9	5522.8	6108.8
40°	1945.5	2061.3	2209.6	2369.2	2617.3	2878.4	3187.1	3499.3	3900.9	4321.8	4806.7
42.5°	1528.3	1613.8	1718.5	1835.2	2066.6	2205.3	2414.6	2640.4	2935.6	3241.1	3605.7
45°	1227.4	1285.7	1358.3	1436.5	1544.0	1661.5	1804.9	1955.3	2235.7	2373.3	2595.0
47.5°	1025.0	1064.1	1110.3	1159.6	1223.0	1291.4	1376.4	1463.4	1575.8	1692.3	1829.0
50°	888.7	928.5	944.4	969.9	1006.5	1045.6	1093.6	1141.5	1201.8	1262.9	1333.3
52.5°	787.5	800.4	817.7	834.0	856.6	901.1	915.5	940.5	974.4	1007.4	1044.4
55°	710.2	718.7	729.9	739.7	753.4	766.6	785.6	802.2	824.8	844.7	869.2
57.5°	650.1	655.5	663.3	669.7	678.6	686.0	697.1	706.1	719.1	730.4	745.2
60°	606.4	610.0	615.3	619.4	625.1	628.9	634.5	638.7	645.5	651.3	659.6
62.5°	570.8	572.6	576.0	578.5	582.1	584.0	586.9	588.8	592.6	595.5	600.1
65°	527.9	528.3	530.6	531.6	534.5	535.5	538.0	538.8	541.9	544.0	548.1
67.5°	492.8	491.9	491.9	491.0	491.4	490.7	490.9	490.0	491.2	491.9	495.0
70°	460.7	459.4	459.0	457.5	457.0	455.5	455.1	453.8	453.6	453.1	454.2
72.5°	429.5	429.2	429.3	428.2	428.1	427.1	427.2	426.6	427.2	427.6	429.0
75°	393.7	393.8	394.5	393.6	393.9	392.9	393.3	392.5	392.9	392.7	394.1
77.5°	350.0	351.0	352.9	352.5	353.2	352.1	352.6	351.5	351.8	351.0	351.6
80°	300.8	303.0	305.6	305.5	306.5	305.9	306.8	305.8	306.1	304.8	304.6
82.5°	242.5	244.4	247.1	247.1	249.6	250.0	252.6	252.5	254.2	253.2	252.4
85°	165.8	167.1	169.5	170.8	173.2	174.7	177.3	178.3	176.4	179.9	177.2
87.5°	86.6	89.8	88.0	92.2	91.2	95.4	94.5	98.5	97.6	101.1	100.6
90°	36.9	37.6	40.6	41.4	45.1	46.2	47.5	46.0	47.3	45.9	47.0
92.5°	34.8	37.3	39.7	42.1	44.4	46.9	44.6	42.4	40.2	38.1	35.8
95°	47.3	50.7	54.3	57.8	61.2	64.8	61.0	57.3	53.6	49.8	46.1
97.5°	55.5	59.2	63.0	66.7	70.5	74.2	69.8	65.3	60.9	56.6	52.1
100°	78.1	85.5	92.7	100.0	107.3	114.6	106.4	98.1	89.8	81.6	73.2
102.5°	156.7	173.5	190.2	206.8	223.5	240.2	222.6	205.1	187.5	170.0	152.5
105°	292.3	319.1	345.6	372.4	399.0	425.8	397.4	368.9	340.5	312.1	283.6
107.5°	430.6	456.7	482.8	508.8	534.8	560.9	532.1	503.2	474.5	445.5	416.7
110°	510.2	525.8	541.5	557.2	572.9	588.6	567.5	546.5	525.5	504.4	483.3



TEST NUMBER: P1444867
 CATALOG NUMBER: EHBR1-18-UNV-TA-L950-UPL15

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	525.5	533.4	541.2	549.2	557.0	565.0	549.9	535.0	519.9	504.9	489.8
115°	493.5	496.0	498.6	501.2	503.8	506.3	496.2	486.1	475.9	465.9	455.6
117.5°	434.4	434.0	433.5	433.3	432.8	432.5	426.9	421.3	415.6	409.8	404.3
120°	374.3	372.3	370.3	368.3	366.3	364.1	361.9	359.5	357.2	354.7	352.3
122.5°	322.3	321.0	319.6	318.2	316.7	315.3	314.5	313.7	312.7	311.8	311.0
125°	281.3	281.3	281.3	281.3	281.3	281.3	281.0	280.6	280.0	279.7	279.2
127.5°	253.5	254.6	255.5	256.5	257.4	258.4	258.3	258.3	258.2	258.1	258.1
130°	236.4	238.1	239.8	241.4	243.0	244.7	244.5	244.3	244.2	243.9	243.7
132.5°	226.3	228.2	230.1	232.2	234.0	235.8	235.6	235.3	235.0	234.8	234.4
135°	219.6	221.4	223.2	225.1	226.8	228.6	228.2	227.9	227.4	227.2	226.8
137.5°	215.1	216.6	218.0	219.5	220.9	222.2	221.9	221.6	221.0	220.8	220.4
140°	211.7	213.0	214.1	215.3	216.4	217.5	217.0	216.6	216.0	215.6	215.0
142.5°	209.2	210.1	210.9	211.8	212.7	213.5	212.7	212.0	211.4	210.6	209.9
145°	208.1	208.7	209.2	209.9	210.2	210.8	210.0	209.1	208.2	207.5	206.6
147.5°	205.9	206.2	206.4	206.9	207.1	207.5	206.6	205.8	205.1	204.2	203.3
150°	203.2	203.6	203.8	204.1	204.4	204.7	203.8	202.9	202.1	201.2	200.3
152.5°	199.7	199.9	200.1	200.4	200.7	201.0	200.0	199.4	198.5	197.6	196.7
155°	197.2	197.4	197.5	197.8	197.8	198.0	197.3	196.7	195.9	195.2	194.5
157.5°	195.8	196.0	196.1	196.2	196.4	196.5	196.0	195.5	194.9	194.4	193.8
160°	195.0	195.1	195.3	195.4	195.6	195.7	195.1	194.8	194.4	193.9	193.3
162.5°	195.2	195.4	195.6	195.8	196.0	196.2	195.8	195.2	194.7	194.2	193.5
165°	195.3	195.5	195.7	195.9	195.9	196.0	195.6	195.4	194.9	194.6	194.2
167.5°	196.4	196.6	196.7	196.9	197.0	197.1	196.6	196.4	196.0	195.7	195.2
170°	197.0	197.1	197.3	197.5	197.7	197.8	197.5	197.3	197.0	196.7	196.4
172.5°	198.3	198.4	198.5	198.6	198.7	199.0	198.6	198.4	198.1	197.7	197.4
175°	198.0	198.1	198.2	198.2	198.2	198.3	198.0	197.7	197.5	197.3	197.0
177.5°	198.6	198.6	198.6	198.6	198.6	198.6	198.5	198.3	198.1	197.9	197.7
180°	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6



TEST NUMBER: P1444867
 CATALOG NUMBER: EHBR1-18-UNV-TA-L950-UPL15

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6	14699.6
2.5°	14792.0	14785.5	14781.5	14776.2	14772.9	14768.8	14765.9	14763.2	14761.2	14759.3	14757.9
5°	15000.0	14966.9	14941.3	14913.5	14890.6	14867.9	14850.3	14835.8	14825.8	14818.3	14813.8
7.5°	15264.8	15204.3	15150.4	15093.8	15043.0	14993.0	14950.0	14912.9	14885.1	14867.0	14856.1
10°	15501.3	15420.3	15340.1	15255.8	15175.9	15098.3	15026.7	14963.7	14913.9	14880.7	14861.4
12.5°	15607.3	15538.3	15456.5	15364.8	15266.8	15167.7	15071.1	14983.9	14910.8	14861.6	14833.3
15°	15514.0	15485.6	15430.1	15359.0	15266.0	15163.5	15050.0	14943.3	14845.2	14781.6	14744.7
17.5°	15210.2	15249.7	15245.6	15218.3	15151.5	15065.2	14949.5	14829.8	14707.0	14621.9	14575.5
20°	14697.7	14822.0	14885.1	14917.5	14891.2	14835.3	14730.5	14608.9	14465.8	14354.8	14287.1
22.5°	13977.4	14197.0	14333.7	14433.8	14455.1	14435.9	14343.5	14227.9	14068.4	13934.9	13834.9
25°	13050.1	13371.8	13587.9	13757.4	13823.3	13840.3	13761.6	13646.5	13468.8	13313.4	13175.9
27.5°	11958.1	12375.9	12664.6	12892.3	12995.1	13039.6	12967.2	12849.8	12639.6	12453.9	12274.4
30°	10728.6	11224.3	11571.8	11844.8	11970.1	12029.1	11952.1	11821.1	11576.5	11353.0	11126.9
32.5°	9412.6	9955.1	10333.7	10630.3	10754.4	10809.8	10709.2	10562.1	10279.3	10016.1	9752.4
35°	8034.7	8582.3	8964.2	9252.9	9356.8	9390.3	9261.6	9091.6	8778.2	8489.4	8201.8
37.5°	6628.9	7138.3	7485.4	7744.4	7808.8	7814.6	7659.5	7471.7	7142.4	6857.6	6571.3
40°	5235.1	5664.7	5944.9	6152.3	6174.7	6154.7	5986.2	5797.2	5489.0	5233.9	4982.6
42.5°	3922.3	4246.6	4446.6	4588.6	4580.2	4540.8	4386.3	4223.8	3969.5	3775.3	3577.5
45°	2797.6	3011.4	3128.3	3211.5	3184.7	3147.2	3027.0	2913.1	2740.3	2614.8	2481.8
47.5°	1943.5	2198.8	2154.4	2316.9	2176.9	2269.5	2076.8	1970.6	1878.9	1812.2	1737.1
50°	1391.3	1449.9	1478.1	1497.5	1487.2	1473.0	1438.4	1407.4	1365.5	1335.0	1299.5
52.5°	1074.5	1103.8	1119.8	1131.4	1129.2	1123.9	1108.9	1095.1	1075.4	1062.5	1046.9
55°	910.2	910.6	940.1	927.4	946.1	924.2	932.8	908.6	912.5	891.7	877.7
57.5°	756.3	768.3	773.7	779.0	777.5	776.6	770.7	767.7	761.1	759.2	754.4
60°	665.3	671.6	672.9	675.3	673.2	672.5	667.9	666.3	661.9	661.1	657.9
62.5°	602.9	606.1	606.1	606.1	603.5	601.0	595.8	593.2	589.4	588.7	586.8
65°	550.8	554.1	554.7	555.3	553.5	551.5	547.1	544.1	540.3	538.8	536.7
67.5°	497.0	500.5	501.7	503.6	502.5	502.1	499.0	497.9	495.3	494.8	492.8
70°	454.8	456.3	456.2	456.1	453.7	451.5	448.0	446.3	443.7	443.1	441.4
72.5°	429.7	430.7	430.1	429.2	426.0	422.8	418.8	415.7	412.2	410.0	407.5
75°	394.3	395.7	394.8	394.2	391.4	389.4	386.0	384.4	381.9	381.2	379.5
77.5°	350.9	351.6	350.1	350.0	347.9	346.6	344.1	343.6	341.8	341.8	340.2
80°	302.6	302.1	299.9	299.5	297.3	296.8	294.8	295.0	293.5	294.2	292.9
82.5°	249.0	247.6	244.6	243.7	241.3	241.1	239.8	240.8	240.0	241.3	240.5
85°	178.4	178.8	177.5	177.5	176.8	177.0	176.9	177.7	177.8	179.0	178.9
87.5°	99.5	100.9	100.6	101.9	101.8	103.3	103.9	106.0	106.3	108.3	108.3
90°	45.7	47.1	45.7	47.2	46.6	48.5	48.3	50.2	49.8	51.3	50.5
92.5°	33.5	31.4	29.3	26.9	25.8	24.6	23.7	22.4	21.4	20.2	19.0
95°	42.3	38.6	34.7	31.0	29.7	28.3	27.1	25.8	24.5	23.2	22.0
97.5°	47.7	43.3	38.8	34.4	33.3	32.1	30.9	29.8	28.7	27.6	26.5
100°	64.9	56.7	48.5	40.1	39.2	38.3	37.4	36.4	35.4	34.5	33.5
102.5°	135.0	117.3	99.8	82.2	78.9	75.5	72.3	68.8	65.5	62.2	58.9
105°	255.1	226.7	198.2	169.7	160.6	151.5	142.5	133.5	124.4	115.4	106.4
107.5°	387.7	358.8	329.9	301.0	284.4	267.7	251.0	234.1	217.5	200.7	184.0
110°	462.3	441.2	420.1	399.0	385.6	372.1	358.6	345.2	331.7	318.1	304.7



TEST NUMBER: P1444867
 CATALOG NUMBER: EHBR1-18-UNV-TA-L950-UPL15

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	474.8	459.7	444.6	429.4	423.4	417.3	411.2	405.1	399.0	392.7	386.7
115°	445.5	435.3	425.1	414.8	412.7	410.6	408.5	406.3	404.2	401.9	399.8
117.5°	398.5	392.8	387.0	381.3	381.7	382.1	382.4	382.8	383.1	383.4	383.6
120°	349.8	347.5	345.1	342.6	344.5	346.4	348.2	350.0	351.9	353.5	355.3
122.5°	310.0	309.0	308.2	307.2	309.5	311.7	313.9	316.2	318.3	320.4	322.4
125°	278.8	278.3	277.9	277.3	279.8	282.0	284.2	286.4	288.6	290.6	292.8
127.5°	258.0	257.8	257.8	257.6	259.4	260.9	262.6	264.1	265.6	267.0	268.4
130°	243.4	243.1	243.0	242.8	244.3	245.8	247.3	248.6	249.9	251.1	252.4
132.5°	234.2	233.9	233.6	233.3	234.4	235.4	236.6	237.4	238.4	239.2	240.0
135°	226.5	226.0	225.7	225.2	226.3	227.4	228.3	229.1	230.0	230.7	231.4
137.5°	220.1	219.5	219.2	218.8	219.7	220.7	221.5	222.2	223.0	223.7	224.3
140°	214.5	213.9	213.5	213.0	213.8	214.5	215.4	216.0	216.8	217.2	217.9
142.5°	209.1	208.4	207.8	207.0	207.7	208.1	208.7	209.2	209.7	210.2	210.5
145°	205.8	204.9	204.0	203.1	203.7	204.1	204.5	205.0	205.2	205.5	205.8
147.5°	202.5	201.6	200.8	199.9	200.4	200.7	201.0	201.2	201.5	201.7	201.9
150°	199.4	198.5	197.5	196.6	196.9	197.2	197.4	197.7	197.8	198.0	198.2
152.5°	195.9	194.9	194.1	193.2	193.3	193.5	193.7	193.9	194.0	194.1	194.3
155°	193.8	193.0	192.2	191.4	191.7	191.8	191.9	192.0	192.0	192.1	192.1
157.5°	193.2	192.5	192.0	191.3	191.3	191.4	191.4	191.3	191.2	191.2	191.1
160°	192.9	192.3	191.9	191.2	191.2	191.2	191.2	191.1	191.1	190.9	190.9
162.5°	193.0	192.4	191.8	191.1	191.1	191.1	191.1	191.0	190.9	190.7	190.7
165°	193.7	193.3	192.9	192.3	192.2	192.1	192.0	191.9	191.8	191.5	191.4
167.5°	194.8	194.4	193.9	193.3	193.3	193.4	193.4	193.3	193.3	193.1	193.1
170°	196.0	195.6	195.3	194.8	194.7	194.7	194.6	194.5	194.4	194.2	194.1
172.5°	197.0	196.6	196.3	195.8	195.8	195.8	195.7	195.6	195.4	195.3	195.3
175°	196.6	196.4	196.0	195.8	195.7	195.7	195.6	195.6	195.5	195.4	195.3
177.5°	197.5	197.3	197.1	196.9	196.9	196.9	196.8	196.7	196.7	196.7	196.6
180°	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6



TEST NUMBER: P1444867
 CATALOG NUMBER: EHBR1-18-UNV-TA-L950-UPL15

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	14699.6	14699.6
2.5°	14756.6	14755.8
5°	14811.5	14810.5
7.5°	14853.2	14852.9
10°	14858.1	14860.6
12.5°	14828.5	14830.5
15°	14741.9	14745.9
17.5°	14576.3	14581.6
20°	14291.3	14296.7
22.5°	13829.5	13831.7
25°	13158.1	13148.5
27.5°	12242.8	12226.5
30°	11079.4	11063.5
32.5°	9692.1	9682.3
35°	8130.7	8124.4
37.5°	6486.7	6473.9
40°	4890.7	4853.5
42.5°	3490.9	3425.6
45°	2412.4	2335.1
47.5°	1684.1	1636.4
50°	1276.5	1261.1
52.5°	1040.1	1036.5
55°	877.6	876.1
57.5°	755.6	755.0
60°	659.6	659.4
62.5°	588.0	588.3
65°	537.7	537.8
67.5°	493.3	493.0
70°	442.1	441.7
72.5°	406.8	406.1
75°	379.5	379.1
77.5°	340.7	340.1
80°	293.8	292.9
82.5°	241.6	240.7
85°	180.2	180.2
87.5°	110.3	110.2
90°	51.8	50.7
92.5°	18.0	17.0
95°	20.7	19.4
97.5°	25.4	24.2
100°	32.6	31.7
102.5°	55.6	52.2
105°	97.3	88.3
107.5°	167.2	150.5
110°	291.2	277.7



TEST NUMBER: P1444867
CATALOG NUMBER: EHBR1-18-UNV-TA-L950-UPL15

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	380.5	374.3
115°	397.5	395.2
117.5°	383.8	384.1
120°	356.9	358.5
122.5°	324.4	326.4
125°	294.7	296.7
127.5°	269.6	270.9
130°	253.4	254.6
132.5°	240.6	241.2
135°	232.0	232.6
137.5°	224.8	225.2
140°	218.2	218.6
142.5°	210.7	211.0
145°	206.0	206.2
147.5°	201.8	202.0
150°	198.2	198.3
152.5°	194.2	194.3
155°	192.1	192.1
157.5°	190.9	190.8
160°	190.7	190.7
162.5°	190.5	190.5
165°	191.1	190.8
167.5°	192.9	192.9
170°	193.9	193.8
172.5°	195.1	195.0
175°	195.2	195.2
177.5°	196.6	196.5
180°	197.6	197.6

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-8

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

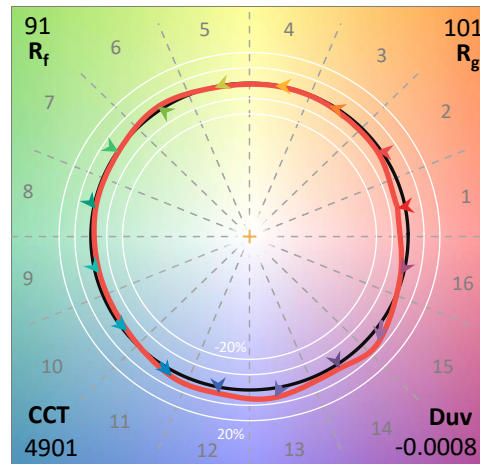
Test Information

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

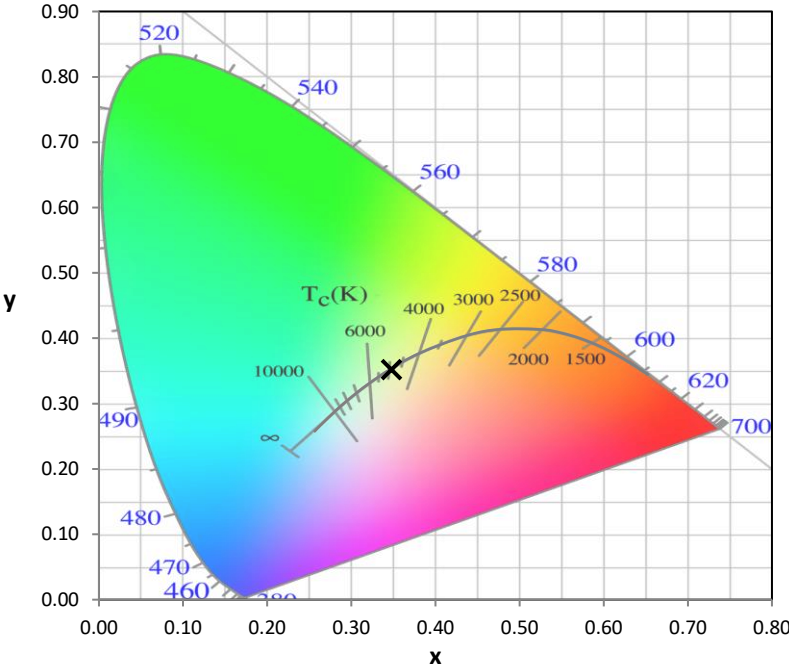
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-8

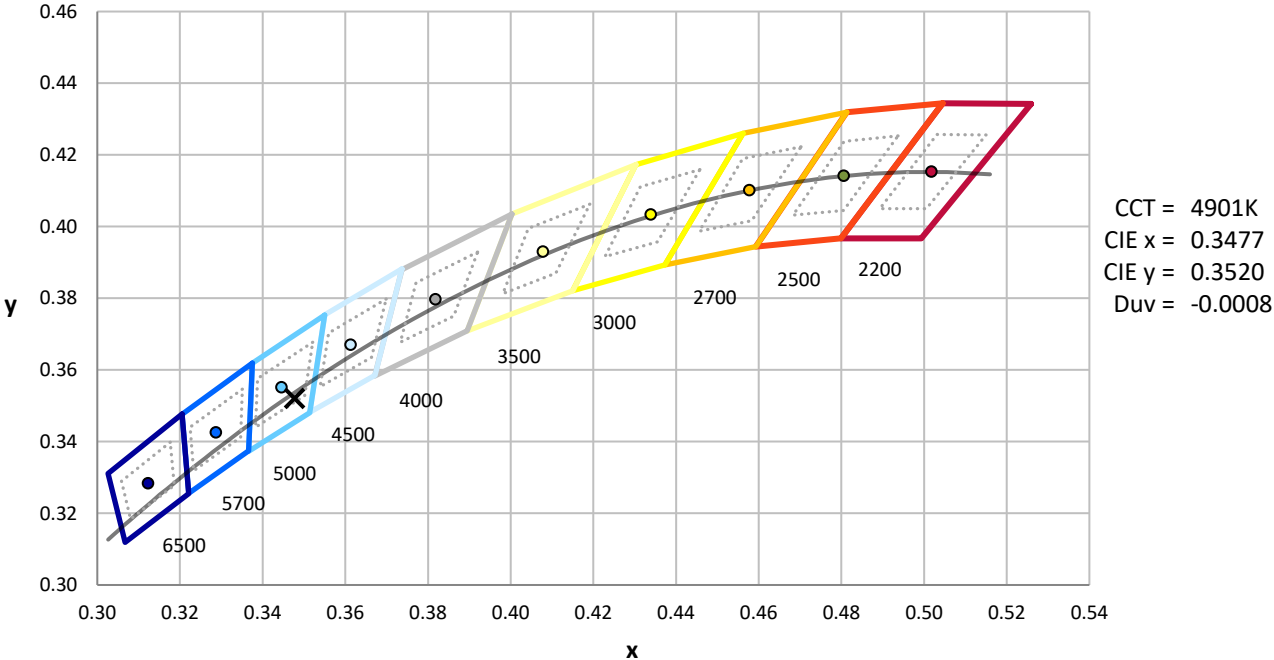
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208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

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CIE 1931 Chromaticity Diagram



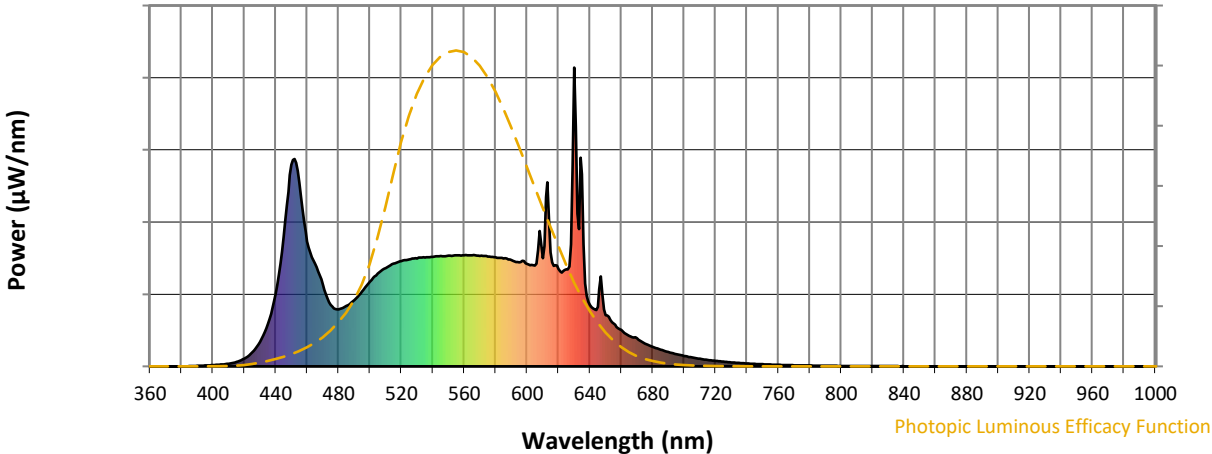
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

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Photopic Flux vs. Wavelength

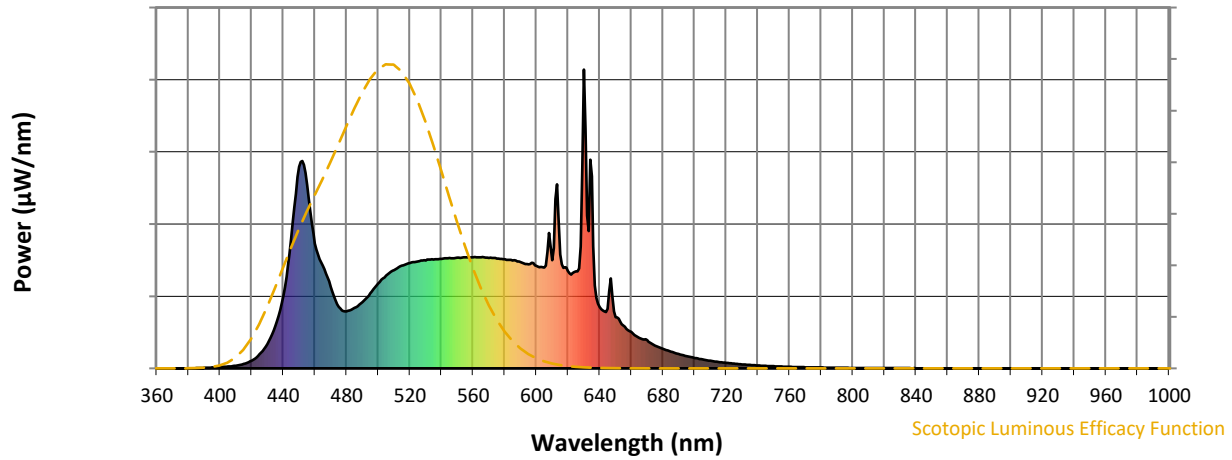


Photopic Lumens: NR

λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	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



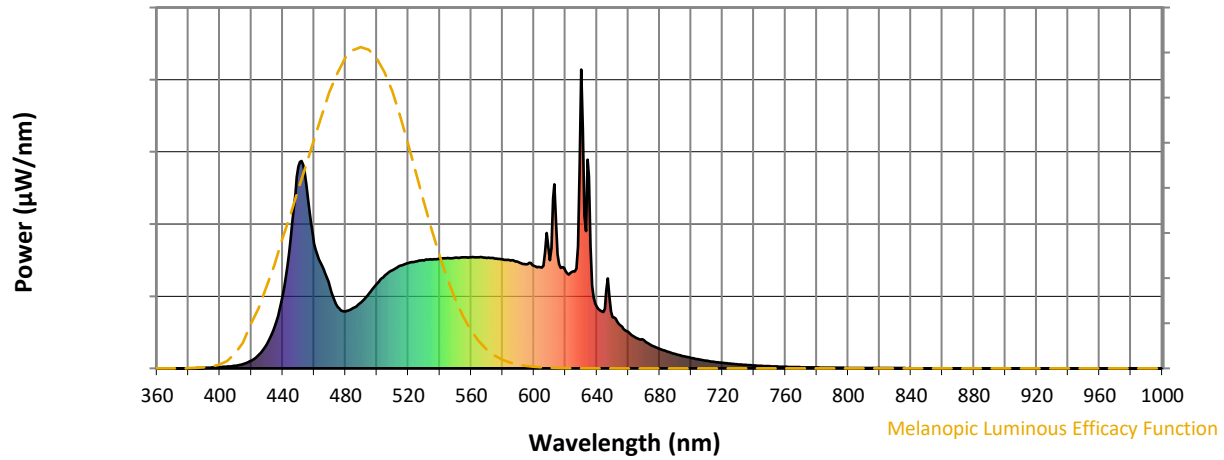
Scotopic Lumens: NR

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



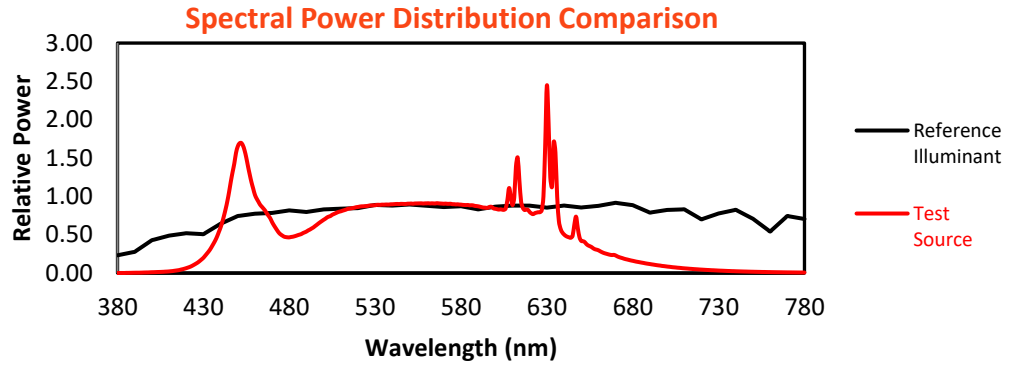
Melanopic Lumens: NR

M/P: 4.41

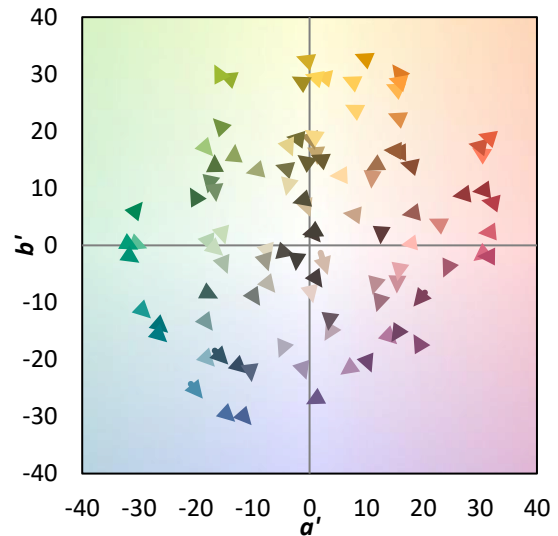
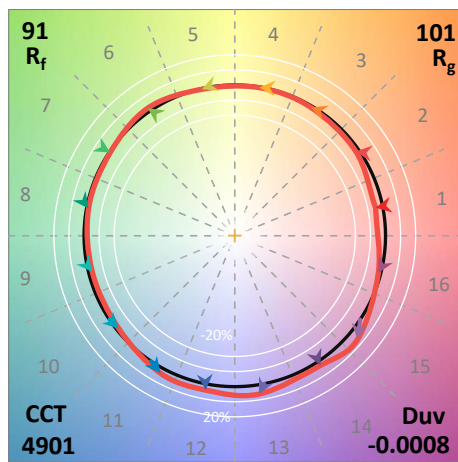
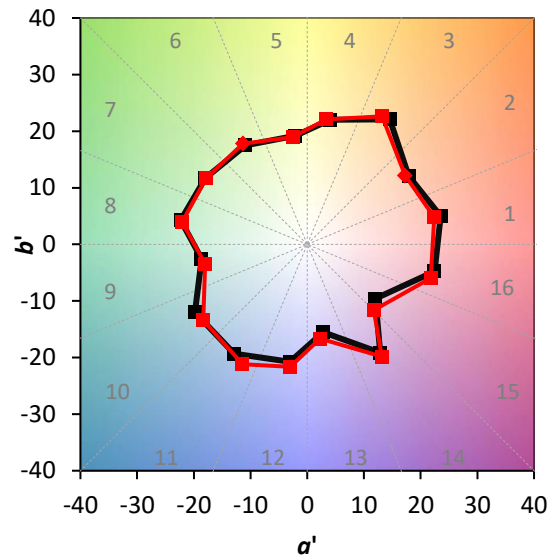
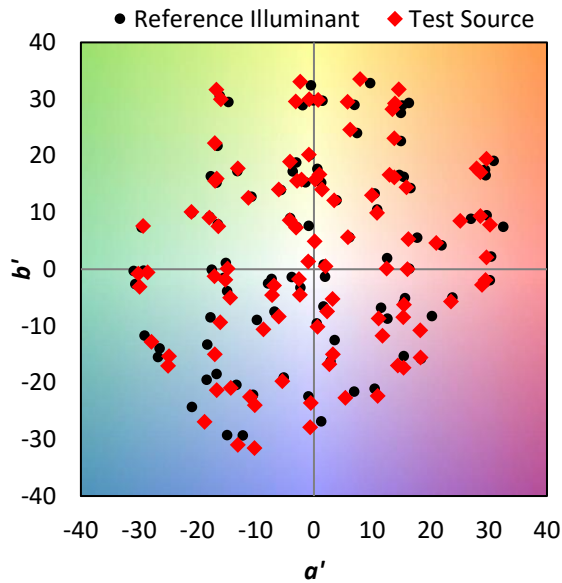
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	221	NR	620	326	NR	750	7	NR	880	0	NR
365	0	NR	495	250	NR	625	325	NR	755	6	NR	885	0	NR
370	0	NR	500	284	NR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

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

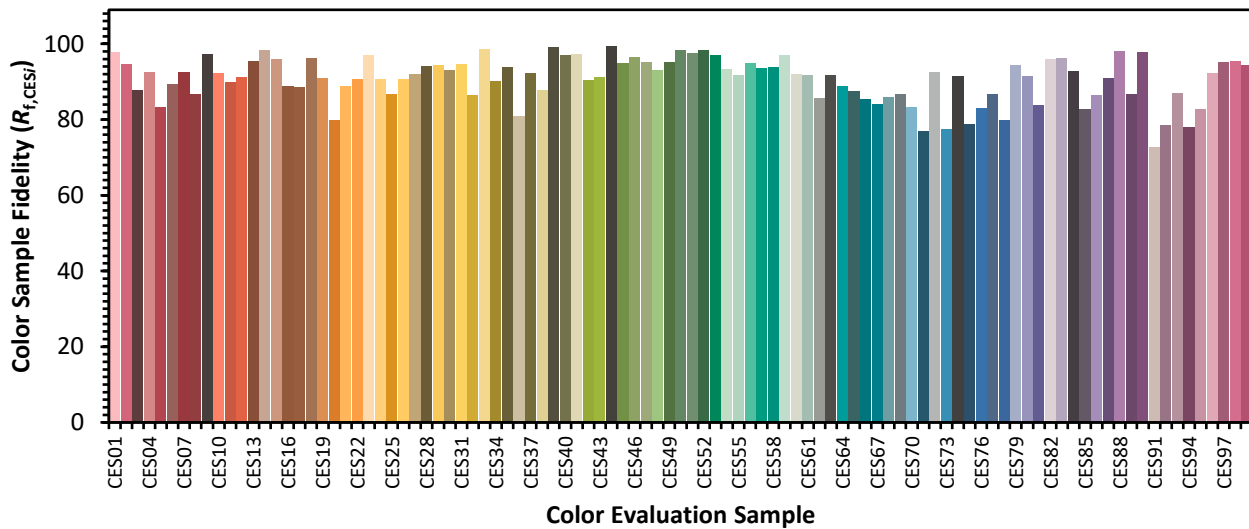


Color Vector Graphics

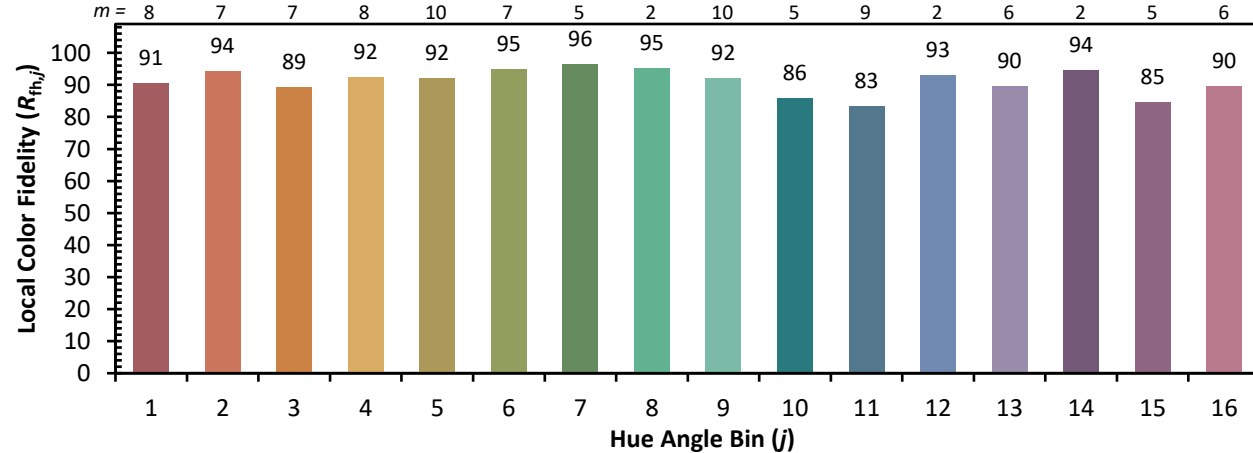
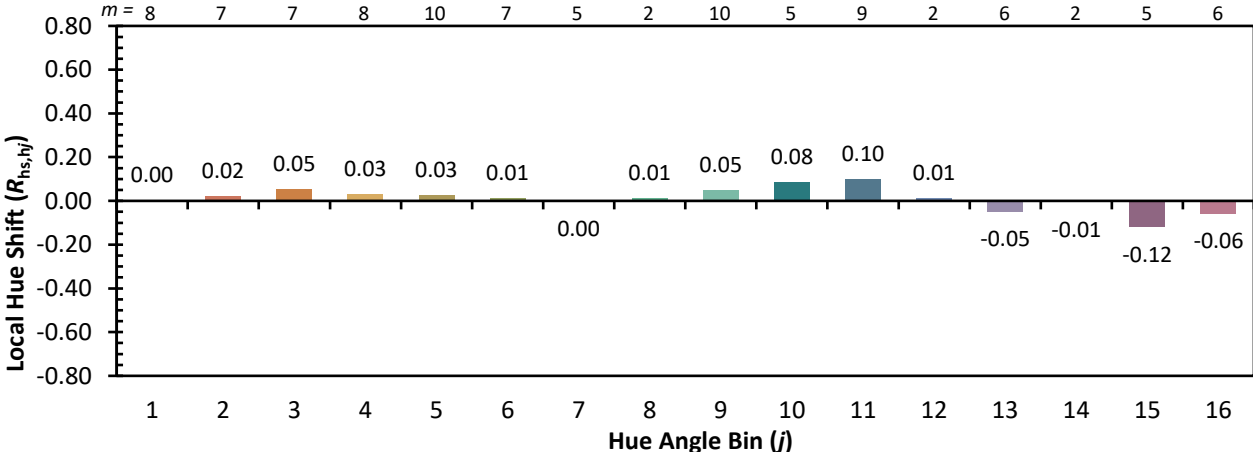
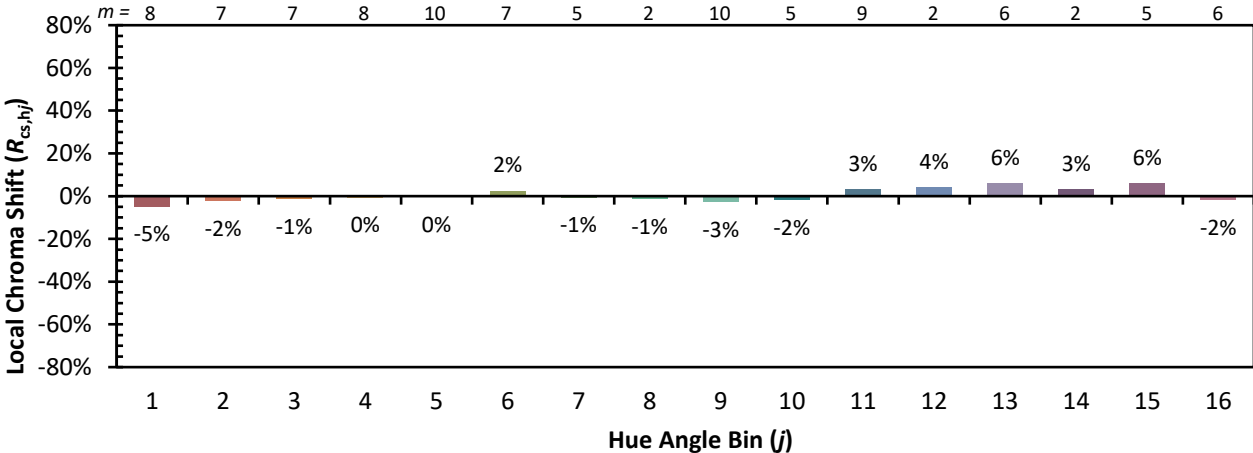


Individual Sample Fidelity Index ($R_{f,i}$)

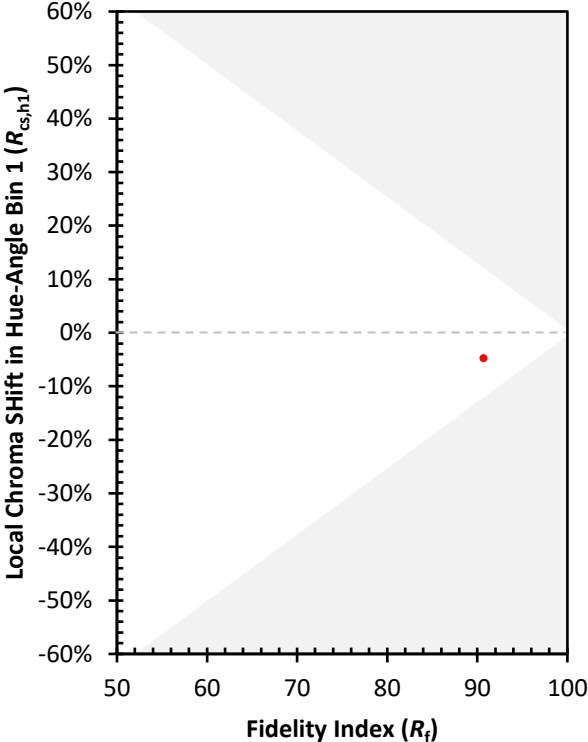
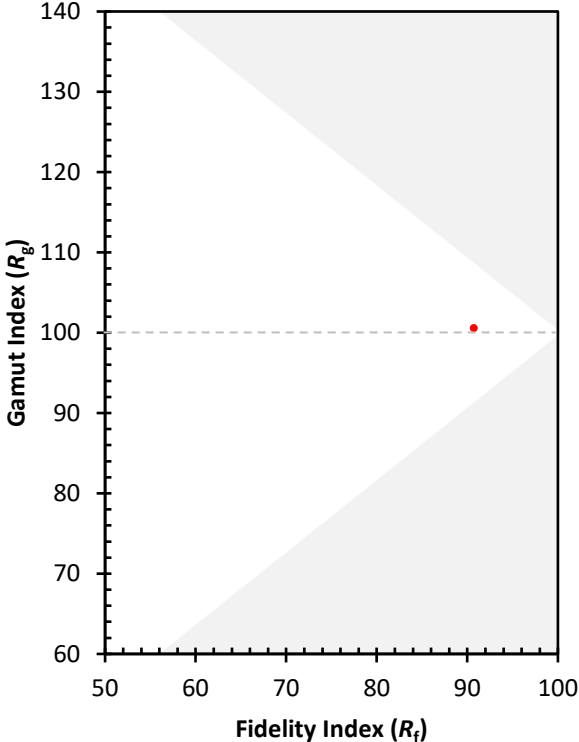
CES01 = 85	CES26 = 91	CES51 = 98	CES76 = 83
CES02 = 61	CES27 = 92	CES52 = 98	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 97	CES78 = 80
CES04 = 69	CES29 = 94	CES54 = 93	CES79 = 94
CES05 = 48	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 50	CES31 = 95	CES56 = 95	CES81 = 84
CES07 = 41	CES32 = 86	CES57 = 94	CES82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