

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: P1444860

Luminaire Tested: EHBR1-12-UNV-TA-L950-UPL18

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444860
REPORT IS A COMBINATION OF REPORTS P1444318 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-12-UNV-TA-L950-UPL18
Description: Elevate Round Highbay at, 12000 lumens, 5000K 90CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

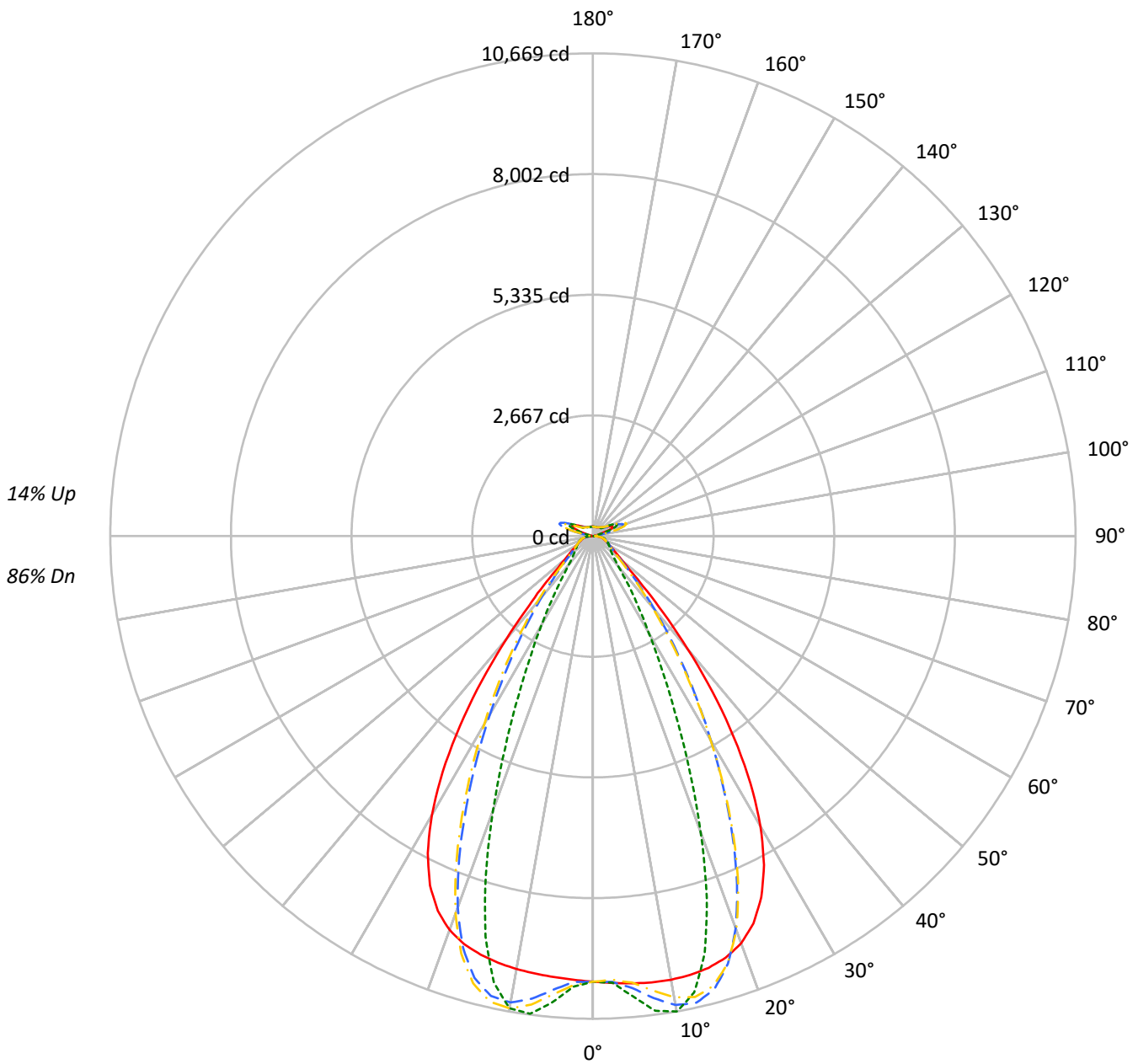
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13116.3 lumens
Efficiency: N/A
Efficacy: 171.2 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 0.77 / 0.88
Luminous Opening: Vertical Cylinder (Dia: 1.71' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 76.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1444860
CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL18

Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	116	116	116	116	112	112	112	112	104	104	104	96	96	96	90	90	90	86			86
1	109	105	102	99	105	102	99	96	95	93	91	89	87	86	83	82	81	78			78
2	102	96	91	87	98	93	88	85	87	84	81	82	79	77	77	75	73	71			71
3	95	88	82	77	92	85	80	75	80	76	72	76	73	70	72	69	67	65			65
4	89	81	74	69	86	78	73	68	74	70	66	71	67	63	67	64	61	59			59
5	84	74	68	63	81	73	66	62	69	64	60	66	62	58	63	59	56	54			54
6	79	69	62	57	77	67	61	57	65	59	55	62	57	54	59	55	52	50			50
7	75	64	57	53	72	63	57	52	60	55	51	58	53	50	56	52	48	47			47
8	71	60	53	49	69	59	53	48	57	51	47	54	50	46	52	48	45	43			43
9	67	56	50	45	65	55	49	45	53	48	44	51	46	43	49	45	42	41			41
10	63	53	46	42	62	52	46	42	50	45	41	48	44	40	47	43	40	38			38

AVERAGE LUMINANCE (cd/sqm):

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

MAXIMUM LUMINANCE 45°-90°:

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	970.6	7.4
10°-20°	2730.4	20.8
20°-30°	3109.7	23.7
30°-40°	2235.1	17.0
40°-50°	1030.8	7.9
50°-60°	493.3	3.8
60°-70°	359.9	2.7
70°-80°	273.4	2.1
80°-90°	127.4	1.0
90°-100°	49.1	0.4
100°-110°	301.7	2.3
110°-120°	557.8	4.3
120°-130°	336.2	2.6
130°-140°	209.6	1.6
140°-150°	150.3	1.1
150°-160°	101.4	0.8
160°-170°	59.5	0.5
170°-180°	20.0	0.2
0°-30°	6810.6	51.9
0°-40°	9045.7	69.0
0°-60°	10569.8	80.6
0°-90°	11330.6	86.4
90°-120°	908.6	6.9
90°-150°	1604.8	12.2
90°-180°	1786.0	13.6
0°-180°	13116.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	9848	9848	9848	9848	9848	
5°	9923	10212	9784	10346	9923	948
15°	9880	9550	9579	9165	9880	2784
25°	8809	4283	8518	3886	8809	3993
35°	5443	1484	5130	1315	5443	3341
45°	1564	639	1539	629	1564	1331
55°	587	449	565	445	587	542
65°	360	370	346	358	360	360
75°	254	278	240	265	254	264
85°	121	145	98	124	121	114
90°	40	48	16	19	40	24
95°	23	25	23	26	23	22
105°	107	139	71	140	107	142
115°	484	592	508	592	484	447
125°	357	382	405	382	357	325
135°	271	247	293	248	271	212
145°	233	232	249	233	233	147
155°	212	216	227	217	212	99
165°	206	208	214	208	206	59
175°	208	210	212	211	208	20
180°	210	210	210	210	210	



TEST NUMBER: P1444860
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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4
2.5°	9886.1	9885.3	9885.1	9884.5	9884.3	9884.3	9883.9	9883.1	9882.6	9881.5	9880.2
5°	9922.8	9922.3	9922.6	9922.7	9921.9	9920.4	9918.0	9915.0	9911.3	9907.8	9904.7
7.5°	9951.1	9951.8	9952.7	9952.5	9950.3	9946.7	9941.8	9939.0	9940.7	9946.1	9958.3
10°	9956.3	9960.6	9962.1	9961.7	9957.4	9954.2	9955.5	9965.9	9986.7	10014.4	10052.3
12.5°	9936.1	9941.3	9941.1	9939.4	9935.2	9939.5	9954.6	9985.7	10030.2	10084.8	10148.9
15°	9879.5	9886.1	9884.3	9882.1	9879.3	9893.1	9923.3	9977.3	10046.0	10123.1	10201.9
17.5°	9769.4	9777.5	9773.5	9771.0	9768.7	9794.7	9846.7	9925.6	10012.2	10099.4	10174.2
20°	9578.5	9583.9	9574.5	9570.2	9573.9	9624.9	9701.3	9802.2	9893.5	9975.9	10027.0
22.5°	9267.0	9273.8	9256.1	9254.1	9275.8	9354.2	9450.9	9563.6	9649.4	9714.8	9734.4
25°	8809.3	8815.9	8795.0	8807.4	8844.5	8951.4	9066.5	9187.1	9260.3	9308.7	9295.3
27.5°	8191.4	8197.6	8177.7	8203.2	8261.8	8402.1	8537.6	8668.4	8733.7	8767.6	8724.7
30°	7412.3	7424.9	7401.4	7437.1	7526.4	7708.7	7863.9	8010.6	8075.7	8101.5	8034.6
32.5°	6486.9	6504.8	6479.0	6532.0	6656.6	6875.5	7051.9	7215.9	7287.8	7317.2	7241.7
35°	5443.2	5468.9	5439.2	5518.8	5672.5	5916.3	6111.6	6294.7	6379.9	6421.6	6345.5
37.5°	4337.4	4361.9	4345.8	4452.0	4620.9	4873.5	5072.9	5270.3	5366.6	5429.2	5369.2
40°	3251.7	3274.2	3286.3	3407.8	3566.6	3804.7	3996.1	4191.5	4299.2	4377.8	4340.8
42.5°	2295.1	2317.7	2359.0	2476.3	2608.6	2805.7	2969.7	3145.1	3248.0	3331.9	3317.6
45°	1564.5	1590.7	1642.5	1738.5	1834.3	1975.7	2096.1	2232.6	2316.6	2393.4	2394.3
47.5°	1096.4	1114.8	1161.0	1226.5	1289.0	1466.0	1473.3	1540.4	1596.8	1654.3	1661.7
50°	844.9	856.0	880.5	917.1	952.4	998.4	1040.5	1089.1	1123.9	1155.4	1162.9
52.5°	694.5	701.5	714.0	733.8	754.3	779.3	801.8	828.5	847.4	864.3	867.8
55°	586.9	592.8	611.4	615.2	638.6	643.1	653.2	669.3	680.4	690.4	693.0
57.5°	505.8	510.1	514.0	522.4	529.7	540.2	548.6	560.3	567.2	574.5	575.1
60°	441.8	444.9	447.6	453.5	458.4	465.8	471.6	479.5	484.4	489.9	490.6
62.5°	394.1	396.4	398.2	402.1	405.6	411.2	415.9	422.5	427.1	431.3	432.2
65°	360.3	361.9	363.1	366.0	369.0	373.9	378.1	383.4	386.9	390.1	390.8
67.5°	330.3	331.8	333.1	335.7	337.8	341.4	344.2	348.3	350.8	353.4	353.5
70°	295.9	297.3	298.2	300.8	302.4	305.5	307.8	311.4	314.0	316.9	317.7
72.5°	272.1	273.0	274.2	276.5	278.8	282.2	285.1	289.0	292.1	295.2	296.4
75°	254.0	254.9	255.8	257.7	259.4	262.2	264.4	267.9	270.7	273.9	275.5
77.5°	227.9	229.0	229.8	231.6	233.1	235.7	237.4	240.5	242.8	245.8	247.1
80°	196.3	197.3	197.9	199.7	200.8	203.3	204.9	207.9	209.8	212.7	214.4
82.5°	161.3	162.3	162.6	164.4	164.9	167.0	168.2	171.2	173.6	177.4	180.0
85°	120.8	121.2	121.7	121.2	123.8	123.9	126.6	127.2	130.8	131.7	135.9
87.5°	73.9	75.0	75.4	77.1	77.9	79.5	80.1	81.9	82.9	84.9	85.9
90°	39.7	42.0	43.1	45.6	46.7	49.2	50.2	52.7	53.8	56.4	58.3
92.5°	19.8	21.2	22.5	23.9	25.3	26.9	28.4	29.8	31.2	32.8	35.7
95°	22.6	24.2	25.7	27.3	28.9	30.6	32.1	33.7	35.3	36.9	41.5
97.5°	28.5	29.9	31.3	32.6	34.0	35.4	36.8	38.1	39.5	40.9	46.4
100°	37.4	38.6	39.7	40.9	42.0	43.2	44.3	45.5	46.6	47.8	58.1
102.5°	62.5	66.6	70.8	74.9	79.0	83.2	87.2	91.3	95.5	99.6	121.3
105°	106.8	118.0	129.3	140.4	151.6	162.9	174.1	185.2	196.4	207.7	243.0
107.5°	183.6	204.2	224.9	245.8	266.5	287.2	307.9	328.7	349.3	370.1	405.9
110°	340.6	357.2	374.0	390.6	407.3	424.0	440.7	457.2	473.9	490.7	516.8



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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°	459.6	467.2	474.8	482.3	489.9	497.4	505.0	512.5	520.1	527.6	546.4
115°	484.5	487.2	489.8	492.5	495.3	497.9	500.6	503.3	505.9	508.5	521.2
117.5°	469.7	469.2	468.8	468.5	467.9	467.5	467.1	466.6	466.1	465.7	472.9
120°	436.8	434.5	432.3	430.1	427.9	425.5	423.3	421.1	418.8	416.3	419.5
122.5°	395.5	392.9	390.2	387.5	384.8	382.1	379.4	376.6	373.8	371.1	372.4
125°	357.2	354.5	351.9	349.2	346.4	343.6	340.9	338.1	335.2	332.4	333.2
127.5°	323.8	321.9	320.2	318.1	316.3	314.3	312.4	310.3	308.5	306.4	306.7
130°	301.9	300.2	298.5	296.9	295.1	293.3	291.6	289.8	288.0	286.2	286.6
132.5°	283.8	282.7	281.5	280.3	279.1	277.7	276.6	275.2	273.9	272.7	273.2
135°	271.4	270.4	269.4	268.2	267.1	265.9	264.7	263.5	262.4	261.1	261.7
137.5°	260.8	259.9	258.9	257.9	256.9	255.8	254.8	253.6	252.5	251.4	252.0
140°	251.1	250.3	249.4	248.4	247.5	246.7	245.7	244.6	243.6	242.6	243.3
142.5°	240.3	239.6	239.1	238.2	237.7	236.8	236.1	235.3	234.5	233.7	234.7
145°	233.1	232.7	232.1	231.5	230.9	230.2	229.6	228.9	228.2	227.6	228.7
147.5°	226.8	226.4	226.1	225.5	225.1	224.6	224.1	223.5	223.0	222.4	223.5
150°	221.2	220.9	220.6	220.0	219.5	219.1	218.6	218.1	217.6	217.0	218.2
152.5°	215.6	215.2	214.8	214.3	214.0	213.4	213.0	212.5	211.9	211.5	212.4
155°	211.8	211.5	211.1	210.6	210.3	209.8	209.3	208.9	208.4	207.9	208.7
157.5°	209.2	209.0	208.8	208.4	208.1	207.7	207.4	207.0	206.7	206.4	206.9
160°	207.8	207.6	207.3	206.9	206.5	206.3	206.0	205.5	205.2	205.0	205.4
162.5°	206.4	206.1	205.8	205.5	205.2	204.8	204.5	204.2	203.9	203.6	204.1
165°	205.8	205.6	205.4	205.2	205.1	204.9	204.7	204.5	204.3	204.1	204.5
167.5°	207.1	206.8	206.6	206.4	206.1	205.8	205.5	205.2	205.1	204.7	205.1
170°	207.3	207.1	207.0	206.9	206.7	206.6	206.5	206.4	206.2	206.1	206.4
172.5°	208.1	207.9	207.8	207.8	207.7	207.6	207.5	207.4	207.3	207.2	207.6
175°	207.8	207.7	207.7	207.6	207.5	207.5	207.4	207.3	207.3	207.2	207.4
177.5°	209.1	209.1	209.1	209.1	209.1	209.1	209.0	208.9	208.9	208.9	209.1
180°	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4
2.5°	9879.3	9878.1	9876.4	9874.3	9872.6	9870.4	9865.5	9864.0	9865.7	9866.8	9869.0
5°	9902.7	9903.4	9903.7	9908.2	9912.1	9921.7	9997.5	10027.6	10050.9	10065.6	10088.1
7.5°	9973.5	9996.2	10018.8	10049.1	10075.2	10110.5	10243.1	10299.5	10339.6	10368.4	10403.9
10°	10093.4	10143.1	10189.8	10244.3	10291.3	10345.0	10468.4	10523.4	10558.2	10583.4	10607.0
12.5°	10214.2	10283.2	10345.5	10406.3	10457.1	10503.7	10547.1	10566.3	10567.9	10568.8	10556.2
15°	10277.2	10343.1	10398.0	10438.1	10468.0	10481.2	10406.5	10367.3	10317.8	10277.0	10209.8
17.5°	10237.4	10277.0	10300.7	10298.4	10286.0	10244.7	10033.1	9916.7	9801.1	9697.0	9560.5
20°	10060.9	10057.8	10037.2	9978.8	9908.4	9798.9	9436.1	9226.8	9024.4	8846.7	8631.0
22.5°	9732.5	9680.8	9608.7	9482.7	9342.7	9151.5	8631.6	8323.6	8041.9	7792.9	7514.1
25°	9256.6	9150.2	9017.3	8817.3	8599.8	8320.8	7680.0	7297.0	6958.7	6665.3	6343.6
27.5°	8647.4	8487.3	8292.5	8015.7	7721.0	7363.6	6653.1	6230.5	5867.3	5552.8	5210.4
30°	7926.4	7718.1	7466.6	7123.0	6767.5	6362.1	5641.6	5213.4	4845.9	4522.3	4179.6
32.5°	7111.5	6867.5	6572.8	6187.2	5802.8	5386.0	4690.1	4275.7	3924.6	3613.2	3303.1
35°	6212.7	5951.1	5639.3	5246.0	4863.8	4458.6	3820.1	3446.5	3136.4	2861.2	2610.8
37.5°	5248.7	4991.8	4695.4	4324.7	3970.4	3603.1	3052.1	2739.0	2478.9	2250.5	2057.2
40°	4246.2	4021.5	3765.0	3444.5	3142.2	2836.3	2384.0	2135.5	1930.1	1756.0	1611.1
42.5°	3256.1	3081.9	2885.3	2632.0	2400.6	2167.7	1819.7	1635.5	1483.4	1358.0	1255.6
45°	2362.5	2245.9	2114.0	1937.9	1777.9	1615.4	1367.7	1238.2	1139.2	1058.4	990.0
47.5°	1651.5	1583.9	1579.8	1417.0	1299.6	1200.3	1040.7	958.9	898.3	849.3	806.0
50°	1159.8	1127.1	1086.4	1028.3	973.9	917.8	820.5	771.1	735.6	705.8	678.5
52.5°	867.0	850.0	828.4	797.6	768.1	736.5	674.9	643.5	632.4	604.7	583.0
55°	692.5	682.8	670.4	652.3	634.4	627.2	574.5	551.2	536.3	525.4	513.8
57.5°	575.2	568.0	560.6	548.4	538.0	525.4	497.4	485.5	476.6	470.2	462.1
60°	490.7	486.3	482.2	475.1	469.4	462.6	444.9	438.1	433.5	429.6	424.5
62.5°	433.1	430.8	428.7	424.9	422.0	418.4	406.2	403.0	400.6	398.7	395.6
65°	391.5	389.9	388.7	386.1	384.7	382.6	372.1	370.0	368.6	367.8	366.0
67.5°	353.7	352.0	351.3	349.4	348.9	347.5	338.9	337.7	337.3	337.5	336.9
70°	318.4	317.7	318.0	317.8	318.6	318.8	313.7	313.6	314.1	315.2	315.3
72.5°	297.2	297.2	297.6	297.8	298.5	298.9	294.6	294.4	294.6	295.5	295.5
75°	277.1	277.4	278.5	278.8	279.8	279.9	274.3	273.6	273.6	274.4	274.2
77.5°	249.2	250.4	252.4	253.6	255.3	255.6	249.3	248.4	248.5	249.3	248.6
80°	217.5	219.8	223.2	225.5	228.2	229.2	222.7	221.1	219.6	219.5	218.2
82.5°	184.0	186.8	190.7	192.8	195.7	196.3	185.4	183.2	182.0	182.1	180.9
85°	140.4	142.5	146.1	147.4	149.1	148.9	136.4	131.0	132.5	130.3	132.0
87.5°	88.1	89.3	91.6	91.9	92.7	92.5	79.9	77.4	76.7	76.7	75.8
90°	61.6	63.6	66.8	68.2	70.7	71.7	62.7	62.7	60.8	60.2	58.0
92.5°	38.5	41.3	44.0	46.9	49.7	52.6	54.2	56.7	53.8	50.7	47.9
95°	46.2	50.8	55.5	60.2	64.9	69.5	74.1	78.8	74.4	70.1	65.7
97.5°	51.8	57.4	62.9	68.4	73.9	79.4	84.9	90.4	85.8	81.0	76.4
100°	68.4	78.6	88.8	99.0	109.4	119.6	129.9	140.1	131.1	122.0	113.1
102.5°	143.1	164.9	186.8	208.4	230.2	252.1	273.8	295.6	275.0	254.3	233.7
105°	278.4	313.6	348.9	384.2	419.4	454.7	490.2	525.4	492.4	459.3	426.3
107.5°	441.7	477.5	513.2	549.0	584.9	620.6	656.6	692.5	660.2	628.0	595.8
110°	543.0	569.1	595.3	621.4	647.6	673.7	700.2	726.3	707.0	687.6	668.2



TEST NUMBER: P1444860
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL18

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	565.0	583.9	602.6	621.2	639.9	658.6	677.7	696.5	686.9	677.1	667.6
115°	534.0	546.6	559.2	571.9	584.6	597.1	610.1	623.0	619.9	616.8	614.0
117.5°	480.0	487.1	494.3	501.4	508.4	515.6	523.2	530.4	531.1	531.7	532.4
120°	422.7	425.7	428.8	431.9	434.9	438.0	441.7	444.9	447.6	450.3	453.1
122.5°	373.6	374.9	376.1	377.3	378.5	379.7	381.7	383.2	385.0	387.1	389.0
125°	333.8	334.6	335.3	336.0	336.5	337.4	338.8	339.6	340.0	340.1	340.4
127.5°	306.9	307.3	307.4	307.7	307.9	308.2	309.2	309.7	308.7	307.8	306.9
130°	287.1	287.5	287.9	288.4	288.9	289.2	290.6	291.3	289.5	287.7	285.9
132.5°	273.7	274.3	274.7	275.4	275.9	276.4	277.9	278.6	276.7	274.5	272.4
135°	262.3	263.0	263.6	264.2	264.8	265.6	267.3	268.1	266.2	264.1	262.1
137.5°	252.5	253.3	253.9	254.6	255.1	255.9	257.7	258.7	257.1	255.5	253.9
140°	244.1	244.8	245.6	246.4	247.1	248.0	250.0	251.0	249.9	248.5	247.3
142.5°	235.5	236.6	237.6	238.6	239.6	240.6	243.0	244.3	243.4	242.5	241.8
145°	229.7	230.9	232.0	233.1	234.2	235.4	238.0	239.5	239.1	238.5	237.9
147.5°	224.4	225.4	226.4	227.4	228.6	229.8	232.3	233.8	233.5	233.2	232.8
150°	219.0	220.1	221.1	222.2	223.4	224.5	227.4	228.9	228.7	228.5	228.2
152.5°	213.3	214.3	215.2	216.2	217.1	218.2	221.5	223.1	222.8	222.5	222.3
155°	209.3	210.2	210.9	211.7	212.4	213.3	216.7	218.1	218.0	217.9	217.7
157.5°	207.5	208.0	208.5	209.1	209.7	210.4	213.7	215.0	214.9	214.7	214.6
160°	205.8	206.3	206.7	207.1	207.6	208.1	211.6	212.8	212.7	212.5	212.4
162.5°	204.7	205.3	205.8	206.3	206.9	207.5	211.0	212.3	212.1	211.9	211.7
165°	204.9	205.1	205.5	206.0	206.4	206.7	209.9	211.0	210.9	210.8	210.7
167.5°	205.4	205.9	206.3	206.5	207.0	207.5	210.4	211.5	211.4	211.3	211.2
170°	206.6	207.0	207.3	207.7	207.9	208.4	210.8	211.7	211.6	211.4	211.2
172.5°	207.8	208.3	208.6	209.0	209.2	209.7	211.7	212.7	212.5	212.4	212.1
175°	207.7	207.9	208.3	208.6	208.9	209.1	210.9	211.5	211.4	211.4	211.3
177.5°	209.3	209.4	209.6	209.9	210.1	210.3	211.4	211.7	211.7	211.7	211.7
180°	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4



TEST NUMBER: P1444860
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL18

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4
2.5°	9869.6	9873.0	9873.6	9877.6	9877.3	9882.1	9881.3	9885.3	9883.0	9886.2	9883.4
5°	10101.4	10122.4	10133.4	10153.9	10160.4	10178.7	10183.9	10200.7	10201.4	10214.7	10211.6
7.5°	10429.1	10460.2	10478.5	10503.9	10516.7	10537.8	10547.1	10562.8	10567.8	10580.2	10581.2
10°	10624.8	10639.8	10650.3	10657.5	10663.9	10667.0	10670.5	10669.6	10670.5	10669.1	10672.2
12.5°	10547.9	10525.8	10511.3	10483.8	10467.9	10437.5	10422.5	10393.3	10382.7	10357.6	10354.0
15°	10158.0	10081.4	10027.4	9948.7	9899.2	9821.8	9776.5	9706.6	9674.8	9619.2	9604.6
17.5°	9447.4	9305.3	9195.3	9054.2	8956.3	8824.4	8741.5	8632.3	8572.5	8484.5	8454.0
20°	8451.2	8241.0	8076.0	7879.4	7738.7	7563.5	7451.2	7309.7	7227.6	7119.4	7075.6
22.5°	7281.7	7019.8	6813.7	6581.6	6411.8	6216.5	6082.1	5929.0	5839.6	5722.1	5670.1
25°	6076.2	5787.5	5558.3	5313.7	5134.4	4938.6	4804.2	4653.7	4561.2	4449.7	4398.1
27.5°	4923.3	4631.0	4409.6	4182.1	4017.7	3841.0	3719.7	3588.3	3506.3	3411.1	3362.5
30°	3905.9	3648.1	3459.6	3270.9	3134.1	2990.6	2889.7	2780.9	2708.9	2627.4	2581.1
32.5°	3076.9	2877.9	2730.4	2580.6	2468.7	2348.7	2261.6	2165.6	2100.5	2027.8	1985.9
35°	2437.0	2282.3	2164.6	2041.3	1945.1	1843.0	1766.2	1683.3	1625.0	1562.3	1526.2
37.5°	1925.4	1802.5	1705.7	1603.2	1524.2	1439.6	1411.0	1316.0	1255.5	1205.5	1170.9
40°	1511.1	1413.3	1333.2	1254.9	1190.4	1126.3	1074.7	1023.9	984.9	949.1	924.4
42.5°	1180.1	1109.2	1050.6	993.3	946.3	899.6	862.2	827.2	801.0	777.6	761.6
45°	938.0	889.3	848.7	808.2	775.1	743.9	718.8	696.5	679.5	665.4	655.5
47.5°	770.6	737.3	708.6	681.3	658.8	638.4	621.6	616.1	597.8	585.5	580.9
50°	654.9	634.8	613.0	592.9	577.8	562.9	552.0	541.3	534.4	528.8	527.1
52.5°	568.6	553.2	541.0	528.3	518.4	507.8	500.2	493.1	489.4	486.4	486.0
55°	504.4	493.6	485.6	477.0	471.1	464.8	460.9	457.2	455.5	454.1	454.2
57.5°	455.8	448.6	443.4	437.9	434.6	431.7	430.6	429.7	430.2	430.5	431.3
60°	420.4	415.7	412.4	409.3	407.9	407.0	407.7	408.5	410.3	411.6	412.9
62.5°	393.3	390.6	389.0	387.3	387.2	387.3	388.6	390.1	392.3	393.9	395.1
65°	365.3	363.8	363.3	362.3	362.7	363.1	364.9	366.0	368.1	369.4	370.9
67.5°	337.2	336.8	337.1	337.1	338.1	338.9	340.6	341.8	343.7	344.9	346.1
70°	316.3	316.5	317.2	317.4	318.4	319.0	320.5	321.3	322.9	323.9	325.4
72.5°	296.0	295.7	295.9	295.5	295.8	295.6	296.5	296.9	298.2	299.0	300.8
75°	274.5	273.5	273.3	272.3	272.4	271.7	272.0	272.0	272.9	273.3	274.6
77.5°	248.4	246.9	246.1	244.5	244.4	243.9	244.5	244.9	246.5	247.3	248.8
80°	217.2	214.8	213.7	211.8	212.2	212.0	213.7	214.9	216.9	217.2	219.1
82.5°	180.5	178.1	176.9	175.0	175.5	175.6	177.0	177.3	178.9	179.7	181.9
85°	129.2	130.3	127.7	127.8	127.3	128.3	129.2	130.5	131.9	134.3	136.1
87.5°	76.1	75.8	76.7	76.8	78.1	78.9	80.9	82.1	84.5	86.4	89.8
90°	56.9	54.6	54.3	52.8	53.0	51.6	51.9	50.5	51.0	50.3	51.3
92.5°	44.8	42.0	38.9	36.0	33.0	30.2	28.6	27.3	25.9	24.7	23.1
95°	61.3	57.0	52.7	48.3	44.0	39.7	38.1	36.5	34.9	33.4	31.7
97.5°	71.7	67.0	62.3	57.6	53.0	48.3	47.3	46.2	45.2	44.1	43.0
100°	104.1	95.0	86.0	77.0	68.0	59.0	58.2	57.3	56.5	55.7	54.7
102.5°	213.0	192.2	171.6	151.0	130.4	109.6	106.0	102.5	98.9	95.2	91.7
105°	393.2	360.1	327.1	294.1	261.0	228.0	218.2	208.2	198.4	188.5	178.8
107.5°	563.6	531.3	499.1	466.9	434.7	402.5	387.0	371.4	355.8	340.1	324.6
110°	648.9	629.6	610.3	590.8	571.6	552.4	537.5	522.6	507.8	492.9	478.1



TEST NUMBER: P1444860
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL18

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	657.8	648.2	638.6	629.0	619.3	609.8	602.5	595.3	588.1	580.8	573.5
115°	610.9	607.8	604.8	601.9	598.9	595.8	595.4	594.9	594.4	594.0	593.4
117.5°	532.9	533.7	534.3	535.1	535.7	536.4	540.3	544.3	548.2	552.1	556.2
120°	455.8	458.4	461.2	464.0	466.7	469.5	474.7	480.0	485.3	490.6	496.0
122.5°	391.0	392.8	394.8	396.8	398.8	400.7	405.9	411.2	416.4	421.6	427.1
125°	340.6	340.9	341.2	341.3	341.5	341.8	346.2	350.5	354.8	359.3	363.6
127.5°	306.0	304.9	303.9	303.1	302.1	301.1	303.7	306.3	308.9	311.6	314.2
130°	284.0	282.4	280.4	278.6	276.8	275.0	276.1	277.2	278.3	279.5	280.6
132.5°	270.3	268.0	265.9	263.8	261.5	259.5	259.6	259.7	259.9	260.0	260.2
135°	260.1	258.1	256.1	253.9	251.9	249.9	249.5	249.1	248.7	248.4	247.9
137.5°	252.3	250.8	249.1	247.5	245.9	244.4	243.7	243.1	242.4	241.8	241.3
140°	246.1	244.8	243.5	242.3	240.9	239.8	239.2	238.8	238.1	237.8	237.3
142.5°	240.7	239.8	238.9	238.0	237.1	236.2	235.7	235.2	234.7	234.3	233.8
145°	237.4	236.8	236.2	235.7	235.1	234.6	234.1	233.9	233.5	233.2	232.8
147.5°	232.6	232.2	231.9	231.5	231.2	230.9	230.6	230.4	230.1	230.0	229.8
150°	227.8	227.4	227.2	226.9	226.6	226.3	226.1	226.1	226.0	226.0	225.9
152.5°	222.1	221.7	221.4	221.2	220.9	220.6	220.5	220.5	220.4	220.3	220.3
155°	217.5	217.4	217.2	217.0	216.9	216.7	216.6	216.4	216.2	216.0	215.8
157.5°	214.5	214.3	214.2	214.1	213.9	213.7	213.5	213.4	213.2	213.1	213.0
160°	212.2	212.1	211.9	211.8	211.7	211.6	211.3	211.0	210.8	210.5	210.2
162.5°	211.5	211.1	210.9	210.7	210.4	210.3	210.1	209.9	209.7	209.6	209.4
165°	210.5	210.4	210.3	210.1	210.0	209.9	209.6	209.3	209.1	208.8	208.5
167.5°	211.0	210.9	210.7	210.6	210.4	210.4	210.2	209.9	209.6	209.4	209.1
170°	211.0	210.6	210.5	210.3	210.1	209.8	209.6	209.4	209.1	209.0	208.6
172.5°	212.0	211.7	211.6	211.4	211.2	211.0	210.8	210.6	210.4	210.3	210.0
175°	211.2	211.2	211.2	211.0	211.0	210.9	210.8	210.8	210.7	210.7	210.6
177.5°	211.7	211.7	211.7	211.6	211.6	211.6	211.4	211.3	211.1	210.9	210.8
180°	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4



TEST NUMBER: P1444860
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL18

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4
2.5°	9886.3	9883.8	9885.0	9880.4	9881.5	9875.9	9875.4	9869.0	9868.5	9862.5	9860.3
5°	10221.1	10215.5	10221.7	10212.1	10214.0	10201.4	10200.4	10184.0	10178.4	10158.1	10149.3
7.5°	10588.9	10586.9	10590.7	10582.6	10582.3	10571.1	10566.4	10551.9	10542.7	10521.4	10507.7
10°	10669.6	10671.4	10668.4	10669.1	10664.7	10663.5	10659.1	10656.2	10648.9	10643.3	10635.1
12.5°	10334.9	10336.9	10324.1	10332.2	10325.8	10340.8	10339.6	10357.1	10359.8	10382.1	10390.6
15°	9561.4	9559.0	9534.5	9550.0	9541.6	9574.4	9581.8	9625.9	9649.4	9706.1	9740.8
17.5°	8393.0	8386.6	8352.2	8370.9	8361.4	8409.8	8425.9	8496.5	8540.4	8631.7	8696.7
20°	7000.1	6988.1	6947.7	6969.7	6959.9	7014.8	7037.9	7123.1	7179.8	7300.7	7386.6
22.5°	5590.0	5571.0	5531.4	5552.0	5542.6	5599.5	5629.7	5715.2	5780.1	5904.1	6004.5
25°	4323.7	4306.7	4268.5	4282.9	4279.5	4327.5	4354.4	4435.2	4499.0	4617.2	4713.0
27.5°	3297.8	3280.1	3245.6	3255.8	3252.3	3293.2	3318.5	3386.1	3441.1	3540.5	3624.6
30°	2524.0	2502.7	2473.4	2479.0	2476.6	2509.8	2533.4	2590.3	2637.4	2721.5	2793.9
32.5°	1934.7	1913.2	1886.3	1888.9	1885.4	1911.5	1930.9	1980.3	2021.4	2092.8	2155.9
35°	1480.3	1505.4	1447.9	1484.3	1446.4	1502.0	1482.0	1513.0	1548.3	1608.5	1661.1
37.5°	1138.0	1120.5	1105.7	1104.2	1104.1	1117.0	1132.2	1161.9	1193.1	1238.0	1284.3
40°	901.8	889.5	880.0	879.3	880.0	889.2	900.4	920.9	943.7	975.9	1010.0
42.5°	747.9	739.9	734.0	733.6	735.5	742.0	749.8	762.0	776.8	797.7	821.1
45°	647.3	642.9	639.6	639.4	640.3	643.7	648.1	655.8	665.2	678.2	693.0
47.5°	576.8	575.7	573.6	573.7	572.8	574.2	574.7	579.0	583.9	593.8	613.1
50°	525.4	525.4	524.0	523.9	522.6	522.5	521.4	523.1	525.4	531.5	537.7
52.5°	484.7	484.6	483.1	482.9	481.5	481.4	480.4	481.1	481.4	484.4	488.2
55°	453.0	452.0	450.1	449.4	448.9	449.7	449.3	449.4	448.9	450.2	451.4
57.5°	430.2	429.0	427.1	426.6	426.5	427.4	427.4	427.1	425.3	424.2	422.6
60°	412.2	410.9	408.9	408.4	408.7	410.0	409.9	408.9	406.3	404.1	401.5
62.5°	394.5	393.9	392.9	392.8	392.6	392.7	391.9	390.7	388.2	385.8	383.0
65°	370.7	371.0	370.3	370.3	369.4	369.2	367.8	366.7	364.2	362.1	359.2
67.5°	346.1	346.3	345.6	345.6	345.2	345.3	344.3	343.3	341.2	339.4	337.2
70°	325.7	326.2	325.8	325.9	325.4	325.2	323.9	322.9	320.6	319.2	317.1
72.5°	301.4	302.4	302.4	302.7	301.8	301.4	299.8	298.5	296.5	295.4	293.8
75°	275.1	276.5	276.9	277.5	276.3	275.7	273.9	272.9	271.3	270.6	269.5
77.5°	249.5	251.0	252.5	253.9	251.9	250.1	248.0	246.3	244.0	243.1	241.4
80°	220.7	223.5	226.7	229.5	225.9	222.2	218.7	216.1	213.0	211.7	209.6
82.5°	183.0	185.9	187.8	189.5	187.0	184.4	181.0	178.7	175.3	174.0	171.7
85°	139.1	142.6	143.7	144.7	143.1	141.7	138.4	134.1	132.0	128.7	126.9
87.5°	91.4	93.6	94.0	94.3	93.3	92.6	90.6	88.5	84.9	82.2	79.1
90°	50.2	50.6	48.8	48.4	48.0	49.1	47.9	48.1	46.0	45.8	44.0
92.5°	21.8	20.4	19.0	17.7	19.2	20.4	21.9	23.1	24.6	25.9	27.3
95°	30.1	28.5	26.9	25.4	26.7	27.9	29.2	30.5	31.7	33.0	34.3
97.5°	42.0	41.0	39.9	38.8	39.6	40.3	41.1	41.8	42.5	43.2	44.0
100°	53.9	53.1	52.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
102.5°	88.1	84.5	80.9	77.3	79.7	82.1	84.5	87.0	89.5	91.9	94.4
105°	168.9	159.1	149.2	139.4	148.8	158.4	167.9	177.5	186.9	196.6	206.1
107.5°	309.0	293.5	277.9	262.4	279.8	297.1	314.4	331.8	349.2	366.5	383.9
110°	463.3	448.5	433.6	418.8	437.2	455.6	474.0	492.4	510.9	529.3	547.8



TEST NUMBER: P1444860
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL18

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	566.3	559.1	551.9	544.7	556.6	568.4	580.3	592.2	604.1	616.0	627.9
115°	593.1	592.6	592.2	591.8	597.3	603.0	608.6	614.1	619.9	625.5	631.1
117.5°	560.1	564.1	568.2	572.1	573.9	575.8	577.5	579.3	581.3	583.0	584.9
120°	501.3	506.6	511.9	517.3	516.6	515.8	515.1	514.4	513.9	513.1	512.6
122.5°	432.4	437.7	443.1	448.5	446.9	445.3	443.7	442.2	440.7	439.1	437.7
125°	368.1	372.6	377.0	381.6	380.0	378.4	376.8	375.4	373.9	372.4	371.0
127.5°	317.0	319.9	322.6	325.4	324.6	323.9	323.2	322.6	322.0	321.4	320.8
130°	281.9	283.1	284.4	285.7	285.9	286.1	286.4	286.7	287.1	287.4	287.8
132.5°	260.5	260.8	261.1	261.5	262.3	263.1	264.1	265.0	266.1	267.0	268.1
135°	247.7	247.4	247.2	247.1	248.4	249.6	250.9	252.3	253.6	255.1	256.7
137.5°	240.7	240.3	239.8	239.4	240.7	241.9	243.3	244.6	246.0	247.5	249.1
140°	236.9	236.5	236.3	235.9	237.2	238.4	239.7	241.1	242.5	244.0	245.5
142.5°	233.4	233.0	232.7	232.4	233.6	234.7	236.0	237.1	238.5	239.7	241.1
145°	232.6	232.3	232.1	231.9	232.7	233.5	234.4	235.3	236.4	237.3	238.3
147.5°	229.7	229.5	229.4	229.3	230.0	230.6	231.3	231.9	232.6	233.3	234.1
150°	226.0	225.9	225.8	225.9	226.2	226.6	227.1	227.4	228.0	228.4	229.0
152.5°	220.3	220.2	220.3	220.3	220.7	221.0	221.5	221.8	222.3	222.7	223.3
155°	215.8	215.6	215.6	215.5	215.6	215.8	216.0	216.1	216.4	216.6	216.8
157.5°	212.9	212.7	212.7	212.5	212.5	212.5	212.6	212.6	212.8	212.8	212.9
160°	210.1	209.8	209.5	209.3	209.4	209.5	209.8	209.8	210.0	210.1	210.3
162.5°	209.3	209.1	209.1	208.9	208.9	208.7	208.6	208.5	208.4	208.3	208.3
165°	208.3	207.9	207.7	207.5	207.5	207.5	207.6	207.6	207.6	207.6	207.7
167.5°	208.9	208.6	208.4	208.1	208.0	207.7	207.7	207.4	207.2	207.0	206.9
170°	208.4	208.2	208.0	207.8	207.7	207.7	207.7	207.5	207.5	207.5	207.5
172.5°	209.8	209.6	209.4	209.2	209.1	209.1	209.1	209.1	209.0	209.0	209.0
175°	210.5	210.5	210.4	210.4	210.3	210.2	210.0	209.9	209.8	209.6	209.4
177.5°	210.7	210.4	210.4	210.3	210.3	210.3	210.3	210.3	210.3	210.2	210.2
180°	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4



TEST NUMBER: P1444860
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL18

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4
2.5°	9853.9	9851.3	9844.4	9841.1	9834.8	9831.6	9826.7	9823.5	9819.5	9816.6	9815.1
5°	10126.9	10114.3	10089.1	10073.5	10046.2	10028.3	10001.2	9981.4	9953.4	9932.8	9906.3
7.5°	10482.1	10462.8	10430.4	10405.9	10367.8	10338.6	10295.8	10261.5	10214.2	10175.0	10126.7
10°	10626.7	10615.4	10600.9	10585.1	10564.0	10543.3	10514.0	10484.3	10444.5	10405.1	10353.5
12.5°	10413.0	10423.6	10444.5	10454.3	10470.4	10475.8	10483.1	10479.7	10473.3	10457.1	10433.7
15°	9807.6	9852.0	9922.1	9970.5	10038.4	10086.2	10149.3	10189.9	10236.7	10264.7	10291.2
17.5°	8811.9	8897.7	9021.3	9120.0	9252.4	9360.1	9492.0	9595.7	9715.4	9807.2	9904.9
20°	7536.4	7656.5	7827.2	7972.3	8164.1	8326.9	8535.4	8710.1	8913.7	9083.6	9266.9
22.5°	6163.7	6305.0	6500.6	6675.5	6904.6	7109.3	7370.6	7601.5	7876.9	8123.7	8396.6
25°	4868.7	5007.2	5206.5	5387.5	5634.9	5860.4	6145.8	6410.7	6730.3	7028.4	7370.6
27.5°	3758.2	3881.2	4056.3	4219.3	4445.9	4667.3	4956.9	5239.4	5580.4	5900.8	6269.6
30°	2902.4	3002.2	3142.5	3273.6	3455.6	3636.6	3894.6	4155.8	4495.1	4827.1	5205.2
32.5°	2249.3	2334.3	2451.5	2557.9	2698.1	2834.6	3024.5	3233.3	3531.0	3848.9	4214.6
35°	1741.2	1813.9	1913.7	2005.4	2120.6	2228.9	2370.7	2519.8	2746.9	3014.4	3341.6
37.5°	1388.2	1417.8	1489.0	1564.1	1659.9	1748.9	1859.8	1970.0	2132.5	2343.5	2610.8
40°	1055.7	1102.8	1160.7	1219.9	1292.4	1363.8	1485.5	1544.0	1651.0	1802.6	2010.0
42.5°	851.8	884.9	925.7	966.8	1017.4	1067.1	1128.6	1191.3	1271.3	1373.9	1521.4
45°	712.8	734.4	760.7	788.1	821.2	855.2	896.4	939.4	993.7	1056.8	1146.3
47.5°	619.9	631.9	649.1	667.8	690.5	714.0	740.8	768.2	801.9	839.3	890.4
50°	547.4	557.4	570.8	583.3	599.0	623.1	633.7	648.8	669.1	691.1	719.6
52.5°	495.0	501.6	510.0	517.2	527.1	536.1	548.0	558.4	572.4	585.6	604.1
55°	454.2	456.6	461.3	466.0	472.8	479.0	487.0	493.9	502.8	510.7	522.3
57.5°	422.7	422.8	425.1	427.5	431.9	435.8	441.3	445.8	452.0	457.0	464.0
60°	400.0	398.8	399.2	400.1	402.5	405.0	408.6	411.5	415.4	418.3	422.2
62.5°	381.1	379.2	378.8	378.5	379.8	380.7	382.6	384.0	386.2	387.5	389.6
65°	357.2	355.0	354.2	353.2	353.5	353.2	353.9	354.0	355.1	355.4	356.6
67.5°	335.7	333.8	332.6	331.2	330.7	329.6	329.2	328.3	328.2	327.3	327.1
70°	315.9	314.1	313.2	311.9	311.3	310.0	309.1	307.5	306.5	305.0	304.2
72.5°	293.1	292.1	291.8	290.9	290.7	290.0	289.7	288.5	287.8	286.6	285.9
75°	269.3	268.4	268.4	267.5	267.4	266.6	266.4	265.2	264.5	263.2	262.7
77.5°	240.9	239.6	239.2	238.2	238.5	238.1	238.4	237.6	237.1	235.9	235.4
80°	209.0	207.3	206.6	205.3	205.7	205.1	205.7	205.6	206.1	205.1	204.9
82.5°	171.0	169.3	168.9	168.0	168.6	168.7	170.0	169.3	169.7	168.6	169.1
85°	124.5	123.1	121.3	121.1	119.9	121.1	119.6	120.6	118.8	120.0	118.5
87.5°	77.1	74.4	73.0	71.1	70.3	68.5	67.7	66.4	66.8	66.2	66.5
90°	44.3	42.8	43.9	43.4	44.8	44.5	46.2	46.5	48.4	48.6	50.5
92.5°	28.6	30.0	32.5	35.2	37.6	40.1	42.7	45.3	47.8	50.5	52.9
95°	35.5	36.8	40.1	43.6	46.9	50.4	53.8	57.2	60.6	64.0	67.4
97.5°	44.8	45.5	48.9	52.3	55.7	59.1	62.4	66.0	69.3	72.7	76.1
100°	51.4	51.5	61.1	70.7	80.4	90.0	99.6	109.3	119.0	128.6	138.3
102.5°	96.8	99.2	123.6	147.9	172.3	196.6	221.0	245.4	269.7	294.2	318.5
105°	215.6	225.1	262.3	299.5	336.6	373.8	410.9	448.2	485.3	522.5	559.7
107.5°	401.3	418.7	452.3	485.8	519.4	553.0	586.6	620.2	653.8	687.4	721.1
110°	566.2	584.6	607.1	629.6	652.1	674.6	697.0	719.6	742.1	764.7	787.2



TEST NUMBER: P1444860
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL18

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	639.7	651.7	664.7	677.8	690.9	704.0	717.1	730.2	743.4	756.5	769.7
115°	636.8	642.5	647.5	652.6	657.7	662.7	667.9	673.1	678.3	683.3	688.5
117.5°	586.8	588.7	589.4	590.3	591.0	591.8	592.6	593.4	594.3	595.2	595.9
120°	511.8	511.2	510.4	509.4	508.6	507.7	506.8	506.0	505.2	504.3	503.6
122.5°	436.2	434.8	433.9	433.1	432.2	431.5	430.6	429.9	429.2	428.3	427.6
125°	369.6	368.2	368.9	369.5	370.3	370.9	371.6	372.4	373.1	373.8	374.6
127.5°	320.3	319.8	321.6	323.5	325.4	327.2	329.2	331.1	333.0	334.9	336.8
130°	288.3	288.7	291.1	293.6	295.9	298.4	300.9	303.4	305.8	308.3	310.8
132.5°	269.2	270.4	272.6	274.9	277.3	279.8	282.1	284.5	286.8	289.2	291.6
135°	258.1	259.7	261.8	264.0	266.1	268.2	270.5	272.6	274.6	277.0	279.0
137.5°	250.5	252.1	253.8	255.5	257.2	259.0	260.6	262.4	264.1	265.8	267.5
140°	246.9	248.5	249.4	250.4	251.2	252.3	253.2	254.2	254.9	256.0	256.9
142.5°	242.4	243.9	244.4	245.1	245.6	246.3	246.9	247.5	248.0	248.6	249.2
145°	239.2	240.4	240.4	240.4	240.4	240.5	240.4	240.5	240.4	240.4	240.4
147.5°	234.9	235.7	235.5	235.4	235.3	235.1	235.0	234.8	234.6	234.4	234.3
150°	229.4	230.0	229.7	229.5	229.1	228.8	228.5	228.2	227.8	227.6	227.3
152.5°	223.6	224.2	223.7	223.5	223.1	222.8	222.3	222.1	221.7	221.3	221.0
155°	217.0	217.2	217.0	216.9	216.7	216.5	216.2	216.1	216.0	215.7	215.6
157.5°	212.9	213.0	212.9	212.8	212.6	212.6	212.4	212.3	212.3	212.3	212.3
160°	210.4	210.5	210.4	210.3	210.2	210.1	209.9	209.9	209.9	209.9	209.9
162.5°	208.2	208.1	208.0	207.9	207.8	207.7	207.7	207.7	207.6	207.6	207.6
165°	207.7	207.8	207.6	207.4	207.2	207.0	206.8	206.7	206.6	206.4	206.4
167.5°	206.7	206.6	206.6	206.7	206.7	206.7	206.8	206.9	207.0	207.1	207.2
170°	207.4	207.5	207.3	207.3	207.1	207.0	206.9	206.9	206.8	206.7	206.7
172.5°	209.0	209.0	208.8	208.5	208.3	208.1	207.8	207.7	207.6	207.3	207.1
175°	209.3	209.2	209.1	209.1	209.0	208.8	208.6	208.5	208.4	208.3	208.2
177.5°	210.2	210.1	210.0	210.0	210.0	210.0	210.0	209.9	209.9	209.9	209.8
180°	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4



TEST NUMBER: P1444860
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL18

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4
2.5°	9813.1	9812.9	9812.0	9812.5	9812.7	9813.3	9814.1	9815.1	9815.3	9815.9	9816.1
5°	9886.5	9862.3	9844.2	9824.5	9809.7	9796.3	9787.4	9780.3	9777.6	9778.3	9779.9
7.5°	10085.6	10035.5	9994.2	9947.2	9908.0	9866.4	9832.1	9799.4	9775.5	9757.7	9747.8
10°	10304.2	10243.1	10184.8	10116.7	10052.2	9983.3	9920.9	9858.1	9805.8	9760.2	9726.9
12.5°	10401.2	10358.0	10307.5	10243.3	10174.3	10094.8	10014.5	9928.5	9848.5	9774.3	9714.4
15°	10298.5	10298.6	10280.2	10249.3	10201.4	10137.9	10061.4	9971.7	9877.3	9781.1	9693.1
17.5°	9972.6	10034.1	10068.3	10089.9	10083.2	10059.9	10011.2	9942.4	9854.4	9751.7	9644.3
20°	9412.9	9557.9	9661.3	9754.3	9806.4	9841.1	9837.6	9809.5	9746.9	9659.6	9547.8
22.5°	8628.8	8872.2	9064.2	9243.5	9369.1	9471.3	9519.9	9540.4	9512.1	9451.3	9346.3
25°	7676.4	8007.4	8289.9	8564.0	8769.6	8946.4	9052.6	9127.4	9133.4	9101.6	9007.9
27.5°	6618.2	7008.9	7366.4	7730.8	8019.9	8274.0	8440.7	8562.7	8601.5	8596.3	8511.2
30°	5561.3	5971.5	6365.5	6790.4	7148.2	7472.9	7693.1	7858.1	7921.6	7933.8	7852.0
32.5°	4563.2	4967.7	5360.6	5804.8	6198.6	6570.6	6830.8	7026.8	7100.8	7118.1	7028.4
35°	3657.4	4030.5	4404.0	4834.5	5226.0	5611.2	5885.3	6090.5	6159.6	6171.3	6067.3
37.5°	2871.8	3189.7	3515.1	3901.4	4260.9	4622.7	4883.2	5076.0	5126.4	5123.2	5005.7
40°	2210.4	2457.5	2719.1	3037.0	3336.0	3641.8	3861.7	4021.1	4047.6	4028.0	3904.5
42.5°	1662.1	1840.6	2030.2	2267.5	2489.4	2718.2	2878.2	2996.6	3000.4	2969.4	2858.5
45°	1238.2	1412.4	1491.9	1635.4	1778.3	1930.5	2028.2	2101.3	2090.0	2062.7	1978.5
47.5°	944.0	1010.9	1081.9	1170.9	1254.1	1426.8	1414.0	1531.4	1446.8	1504.5	1377.6
50°	749.6	787.0	825.2	872.5	915.9	961.1	989.3	1010.4	1007.6	998.6	974.3
52.5°	637.7	649.3	668.1	695.0	719.2	743.7	759.7	772.8	773.0	769.4	757.1
55°	533.0	547.7	561.2	578.7	608.7	613.3	636.3	631.6	633.5	627.1	633.6
57.5°	469.9	478.5	486.1	496.5	505.2	515.3	521.2	526.9	526.4	525.1	518.9
60°	425.3	430.0	434.2	440.3	445.0	450.7	453.5	456.4	455.5	453.3	447.7
62.5°	390.8	393.8	396.2	400.1	403.0	406.5	408.0	409.2	408.0	405.9	401.0
65°	356.8	358.7	360.2	363.2	365.2	368.3	369.5	370.6	369.5	367.9	364.2
67.5°	326.1	326.3	326.2	327.4	328.0	329.8	330.4	331.2	329.9	328.5	325.4
70°	302.9	302.4	301.9	302.3	302.4	303.4	303.4	303.4	301.8	299.4	295.9
72.5°	284.8	284.5	284.0	284.4	284.4	285.2	285.0	284.6	282.6	280.4	277.0
75°	261.4	261.2	260.3	260.3	259.6	259.9	258.9	258.4	256.2	254.3	251.2
77.5°	234.0	233.6	232.3	231.8	230.4	229.9	228.1	227.2	225.0	223.5	220.9
80°	203.5	203.0	201.4	200.5	198.3	196.9	194.3	192.8	190.3	188.8	186.2
82.5°	168.3	168.4	166.8	165.7	162.5	160.1	156.6	154.7	151.9	150.4	147.8
85°	119.7	117.9	118.8	118.7	116.8	114.7	111.9	109.8	107.5	106.1	104.2
87.5°	65.6	66.1	65.6	65.1	63.7	62.7	60.5	59.3	57.6	56.8	55.4
90°	47.3	45.6	42.4	40.8	37.6	35.4	32.0	29.9	26.7	25.8	24.0
92.5°	50.0	47.2	44.4	41.4	38.7	35.9	33.0	30.2	27.3	26.3	25.4
95°	63.3	59.1	55.0	50.8	46.7	42.6	38.5	34.3	30.2	29.4	28.5
97.5°	71.3	66.3	61.5	56.7	51.8	46.9	42.2	37.3	32.4	31.9	31.4
100°	127.0	115.9	104.7	93.5	82.2	71.0	59.9	48.7	37.4	36.8	36.1
102.5°	291.3	264.2	237.0	209.8	182.8	155.5	128.3	101.2	74.1	70.1	66.2
105°	518.6	477.5	436.4	395.3	354.2	313.0	272.0	230.8	189.7	176.5	163.2
107.5°	682.3	643.7	605.1	566.5	527.7	489.1	450.5	411.8	373.0	349.8	326.6
110°	756.5	725.7	695.2	664.5	633.7	603.1	572.3	541.6	510.9	490.9	470.9



TEST NUMBER: P1444860
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL18

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	747.1	724.6	702.1	679.6	657.2	634.5	612.0	589.5	566.9	554.8	542.6
115°	674.9	661.3	647.8	634.1	620.6	606.9	593.3	579.7	566.0	559.5	553.1
117.5°	589.1	582.0	575.0	568.0	561.0	553.9	547.0	539.8	532.8	530.6	528.3
120°	501.4	499.2	496.9	494.8	492.5	490.3	488.0	485.7	483.5	483.7	483.9
122.5°	428.3	429.0	429.7	430.3	431.0	431.6	432.3	432.9	433.5	435.1	436.8
125°	376.5	378.3	380.2	382.1	383.8	385.7	387.5	389.3	391.2	392.7	394.4
127.5°	338.9	341.1	343.2	345.3	347.4	349.5	351.6	353.6	355.7	357.1	358.6
130°	312.6	314.4	316.2	317.9	319.8	321.6	323.3	325.1	326.9	328.0	329.0
132.5°	293.1	294.7	296.4	297.9	299.5	301.0	302.7	304.2	305.9	306.6	307.4
135°	280.2	281.2	282.5	283.6	284.9	285.9	287.1	288.3	289.4	289.9	290.3
137.5°	268.5	269.4	270.3	271.2	272.1	273.1	274.0	274.9	275.9	276.0	276.3
140°	257.9	258.9	259.9	260.9	261.9	262.9	264.1	265.1	266.2	266.4	266.6
142.5°	249.9	250.6	251.4	252.2	253.0	253.7	254.6	255.4	256.2	256.4	256.6
145°	241.3	242.2	243.1	244.1	245.1	246.0	247.1	248.2	249.3	249.3	249.3
147.5°	235.1	235.9	236.7	237.6	238.4	239.2	240.2	241.1	242.1	242.1	242.1
150°	228.2	229.0	229.9	230.8	231.7	232.7	233.7	234.7	235.8	236.0	236.2
152.5°	222.0	222.9	223.8	224.8	226.0	227.1	228.2	229.2	230.3	230.5	230.8
155°	216.6	217.5	218.5	219.5	220.7	221.7	222.8	223.8	224.9	225.2	225.5
157.5°	213.1	214.0	214.9	215.8	216.8	217.7	218.7	219.6	220.6	220.9	221.0
160°	210.7	211.5	212.2	213.0	213.9	214.7	215.5	216.3	217.1	217.4	217.6
162.5°	208.4	209.2	210.0	210.7	211.6	212.4	213.1	214.0	214.8	215.0	215.3
165°	207.0	207.5	208.1	208.6	209.2	209.8	210.4	210.9	211.7	211.8	212.1
167.5°	207.7	208.0	208.5	209.0	209.4	209.9	210.4	210.8	211.3	211.6	211.7
170°	207.1	207.6	207.8	208.4	208.8	209.2	209.6	210.1	210.5	210.7	211.0
172.5°	207.4	207.7	207.9	208.2	208.5	208.8	209.1	209.4	209.7	210.0	210.2
175°	208.3	208.4	208.6	208.7	208.9	209.1	209.1	209.3	209.5	209.7	210.0
177.5°	209.9	210.0	210.2	210.3	210.4	210.5	210.8	210.9	211.0	211.3	211.7
180°	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4



TEST NUMBER: P1444860
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL18

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4
2.5°	9815.7	9815.6	9815.3	9814.9	9814.4	9814.7	9815.2	9816.3	9818.2	9821.1	9824.8
5°	9781.2	9783.3	9784.4	9784.6	9783.6	9782.9	9783.8	9786.5	9792.0	9801.1	9813.5
7.5°	9745.2	9747.6	9751.4	9754.3	9754.9	9754.1	9754.3	9758.5	9768.5	9786.4	9811.3
10°	9706.5	9699.2	9703.1	9710.2	9715.8	9716.9	9717.5	9722.5	9737.2	9764.1	9804.1
12.5°	9671.0	9647.7	9643.3	9649.6	9658.1	9660.9	9660.2	9662.3	9679.5	9715.0	9770.8
15°	9624.0	9580.4	9565.5	9567.1	9577.7	9581.5	9578.7	9574.4	9591.2	9634.6	9706.8
17.5°	9548.2	9477.8	9450.4	9449.2	9461.4	9464.8	9458.0	9444.8	9461.4	9515.5	9605.2
20°	9432.9	9329.0	9277.3	9269.0	9282.4	9278.5	9265.0	9245.1	9266.8	9332.7	9439.3
22.5°	9225.6	9093.9	9005.6	8977.1	8993.2	8982.5	8962.7	8937.3	8966.1	9040.9	9159.8
25°	8887.0	8734.7	8613.8	8546.0	8558.8	8539.6	8518.1	8487.4	8521.7	8607.6	8738.3
27.5°	8389.1	8213.3	8063.4	7951.2	7955.3	7930.2	7905.5	7865.7	7908.5	8010.2	8157.6
30°	7727.1	7523.6	7341.1	7188.6	7174.9	7150.6	7125.2	7073.1	7126.7	7248.4	7420.6
32.5°	6895.7	6669.7	6458.9	6266.0	6229.7	6205.9	6183.3	6123.2	6193.5	6335.3	6533.3
35°	5923.4	5682.7	5454.2	5233.9	5173.6	5149.8	5130.1	5072.5	5160.2	5314.6	5528.4
37.5°	4856.2	4610.4	4383.5	4157.5	4072.3	4040.1	4025.8	3988.0	4089.2	4241.9	4456.6
40°	3760.6	3532.0	3328.6	3129.1	3031.9	2982.5	2975.1	2968.2	3066.0	3198.5	3393.4
42.5°	2735.7	2551.3	2394.4	2241.9	2153.9	2086.5	2086.5	2107.0	2194.9	2294.2	2444.5
45°	1892.3	1768.6	1668.7	1566.8	1594.0	1459.7	1538.6	1498.1	1541.6	1605.6	1703.3
47.5°	1300.9	1233.2	1178.4	1121.4	1079.9	1040.2	1043.8	1069.3	1110.3	1148.2	1199.1
50°	948.1	913.7	885.7	856.2	835.5	818.0	819.0	830.1	851.6	871.6	898.2
52.5°	742.9	723.9	708.7	692.4	681.5	672.9	673.3	678.7	690.3	701.8	717.0
55°	612.3	610.1	590.3	575.6	570.0	564.2	565.3	567.3	575.3	581.9	592.0
57.5°	513.1	504.2	498.3	490.6	487.0	483.0	483.9	484.7	490.0	494.5	501.7
60°	443.1	436.8	432.6	427.3	425.0	422.4	423.0	423.5	426.8	429.8	435.0
62.5°	396.5	390.9	387.3	383.2	381.6	379.8	380.2	380.4	382.5	384.7	388.6
65°	360.9	356.4	353.3	349.8	348.1	346.3	346.5	346.5	348.3	349.8	352.8
67.5°	323.1	319.7	317.8	315.0	313.9	312.0	311.9	311.3	312.6	313.1	315.2
70°	292.8	289.4	286.9	284.2	282.7	281.1	281.1	281.1	282.5	283.9	286.5
72.5°	274.1	270.8	268.6	266.3	264.9	263.5	263.2	263.1	264.1	264.8	266.6
75°	249.3	246.7	245.4	243.2	242.1	240.5	240.3	239.5	240.0	240.2	241.5
77.5°	219.2	216.8	215.7	213.5	212.6	210.8	210.6	209.8	210.2	210.0	210.9
80°	185.0	182.8	182.1	180.3	179.9	178.2	177.9	177.0	177.3	176.5	176.9
82.5°	146.7	144.7	144.2	142.5	142.5	141.0	140.9	139.5	139.5	138.2	136.1
85°	103.3	101.8	101.2	99.8	99.4	98.2	97.6	96.2	95.7	94.8	94.5
87.5°	54.5	53.6	52.8	52.1	50.9	48.7	48.5	47.0	47.2	46.1	46.2
90°	23.2	21.6	20.8	19.1	18.4	17.1	16.4	16.9	17.6	18.1	18.8
92.5°	24.4	23.5	22.5	21.6	20.6	19.6	18.7	19.6	20.6	21.6	22.5
95°	27.7	26.9	25.9	25.1	24.2	23.4	22.6	23.4	24.2	25.2	26.0
97.5°	30.8	30.3	29.8	29.3	28.7	28.2	27.7	28.2	28.7	29.3	29.8
100°	35.6	34.9	34.3	33.6	33.1	32.4	31.8	32.5	33.2	33.7	34.4
102.5°	62.3	58.3	54.4	50.5	46.5	42.6	38.7	42.6	46.5	50.6	54.5
105°	150.1	136.9	123.6	110.4	97.2	83.9	70.7	84.0	97.3	110.5	123.7
107.5°	303.3	280.1	256.8	233.6	210.3	187.0	163.7	187.1	210.4	233.7	256.9
110°	450.8	430.6	410.6	390.5	370.4	350.3	330.2	350.3	370.4	390.5	410.7



TEST NUMBER: P1444860
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL18

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	530.3	518.2	505.8	493.6	481.4	469.2	456.9	469.2	481.5	493.8	506.0
115°	546.6	540.1	533.7	527.2	520.6	514.2	507.6	514.3	520.8	527.4	534.0
117.5°	525.9	523.6	521.3	519.0	516.6	514.3	511.8	514.4	516.8	519.3	521.7
120°	484.0	484.2	484.3	484.4	484.6	484.7	484.8	484.8	484.8	484.8	484.8
122.5°	438.3	439.8	441.3	442.9	444.4	446.0	447.4	446.1	444.7	443.5	442.0
125°	396.0	397.8	399.2	400.8	402.3	404.0	405.4	404.2	402.8	401.4	399.9
127.5°	359.9	361.4	362.7	364.3	365.5	366.9	368.1	367.1	365.9	364.8	363.6
130°	330.0	331.1	332.0	333.1	334.0	334.9	335.8	335.1	334.4	333.7	332.8
132.5°	308.1	308.8	309.6	310.2	310.9	311.5	312.1	311.7	311.3	310.9	310.4
135°	290.8	291.2	291.7	292.1	292.5	292.8	292.9	293.0	292.9	292.9	292.7
137.5°	276.4	276.6	276.7	276.8	276.8	276.8	276.8	277.1	277.2	277.6	277.7
140°	266.6	266.8	266.9	267.0	267.1	267.1	267.0	267.4	267.6	267.9	268.0
142.5°	256.7	256.9	257.1	257.2	257.2	257.2	257.2	257.5	257.6	257.9	258.0
145°	249.4	249.4	249.4	249.4	249.3	249.1	248.9	249.4	249.7	250.0	250.4
147.5°	242.1	242.1	242.1	242.0	241.9	241.8	241.7	242.0	242.4	242.7	243.1
150°	236.4	236.6	236.7	236.9	236.9	237.0	237.0	237.2	237.4	237.6	237.7
152.5°	230.9	231.1	231.2	231.3	231.4	231.4	231.4	231.7	231.9	232.1	232.2
155°	225.7	226.0	226.1	226.3	226.5	226.7	226.9	227.0	227.1	227.2	227.3
157.5°	221.2	221.5	221.7	221.9	222.1	222.2	222.4	222.6	222.7	222.9	222.9
160°	217.8	218.1	218.2	218.4	218.6	218.8	218.9	219.1	219.3	219.4	219.5
162.5°	215.5	215.6	215.7	216.0	216.1	216.3	216.5	216.7	216.9	216.9	217.0
165°	212.4	212.7	213.0	213.3	213.6	213.9	214.1	214.2	214.2	214.3	214.3
167.5°	212.0	212.3	212.6	212.9	213.0	213.3	213.5	213.6	213.6	213.6	213.7
170°	211.2	211.4	211.7	211.9	212.2	212.4	212.6	212.6	212.6	212.7	212.7
172.5°	210.5	210.9	211.2	211.5	211.8	212.1	212.4	212.4	212.2	212.0	211.8
175°	210.3	210.5	210.8	211.1	211.3	211.7	211.9	211.7	211.7	211.5	211.4
177.5°	212.0	212.4	212.8	213.0	213.3	213.7	214.1	213.8	213.4	213.2	213.0
180°	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4



TEST NUMBER: P1444860
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL18

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4
2.5°	9830.0	9834.9	9842.5	9849.4	9859.6	9867.7	9879.8	9889.0	9902.8	9911.7	9926.7
5°	9831.0	9850.2	9875.5	9900.2	9929.8	9956.8	9990.2	10018.7	10052.4	10079.8	10114.2
7.5°	9844.8	9882.0	9926.4	9971.2	10021.8	10069.2	10122.6	10170.9	10223.7	10268.5	10317.3
10°	9855.1	9912.3	9977.8	10043.7	10113.1	10177.6	10242.6	10298.9	10351.4	10394.7	10432.9
12.5°	9841.2	9920.0	10004.0	10085.3	10162.4	10229.1	10285.1	10328.3	10358.2	10378.5	10383.2
15°	9793.9	9888.7	9980.2	10061.0	10125.0	10174.4	10199.9	10211.9	10199.1	10177.7	10130.9
17.5°	9705.6	9805.6	9887.4	9951.1	9984.9	9998.4	9977.2	9940.3	9868.4	9788.5	9673.1
20°	9543.8	9637.0	9696.2	9731.0	9722.0	9688.4	9608.5	9511.3	9367.7	9214.5	9012.4
22.5°	9259.8	9341.3	9372.9	9375.4	9320.2	9236.4	9092.2	8925.6	8698.9	8463.2	8173.4
25°	8833.6	8905.0	8910.0	8882.0	8780.9	8645.0	8433.4	8197.6	7889.6	7575.5	7212.3
27.5°	8255.6	8324.0	8307.3	8255.0	8114.7	7933.0	7661.9	7357.4	6977.6	6606.7	6204.9
30°	7529.0	7602.2	7582.5	7515.4	7348.5	7133.7	6814.9	6461.0	6039.3	5643.2	5236.0
32.5°	6659.5	6752.0	6738.4	6674.7	6500.5	6270.7	5924.6	5549.3	5117.9	4727.5	4331.4
35°	5671.1	5783.5	5789.3	5747.6	5585.9	5358.8	5017.0	4653.8	4240.6	3872.3	3506.4
37.5°	4606.4	4736.6	4763.3	4752.0	4618.1	4417.6	4106.2	3780.3	3414.3	3091.4	2778.5
40°	3535.7	3667.5	3713.2	3726.8	3627.9	3472.6	3217.1	2954.0	2655.6	2394.0	2145.5
42.5°	2559.2	2676.0	2720.3	2748.0	2686.3	2582.8	2396.4	2205.3	1986.7	1798.1	1617.2
45°	1777.4	1860.1	1893.7	1921.7	1888.1	1829.6	1711.9	1592.5	1448.1	1324.8	1208.1
47.5°	1242.7	1288.3	1310.5	1324.1	1311.1	1280.5	1216.5	1147.3	1065.8	993.8	924.5
50°	921.1	945.4	957.0	964.8	955.3	938.4	903.7	866.0	821.3	780.5	740.6
52.5°	729.9	743.8	750.7	755.0	749.5	739.2	719.0	696.6	669.8	644.6	631.3
55°	615.0	614.2	630.1	622.5	630.1	612.9	609.4	584.8	562.5	546.9	529.9
57.5°	507.1	514.4	517.4	520.9	518.6	515.5	506.9	498.1	486.4	476.5	466.0
60°	439.0	445.0	448.3	451.6	451.5	450.2	445.3	440.0	432.8	426.8	420.5
62.5°	392.1	397.2	400.5	403.8	404.1	403.6	399.8	396.2	391.2	387.4	383.1
65°	355.1	358.7	361.0	363.6	363.5	362.7	359.4	356.3	352.2	349.6	346.4
67.5°	316.5	319.2	320.9	323.4	323.9	324.0	322.1	320.7	318.7	317.9	316.9
70°	289.0	292.3	295.1	298.2	299.9	300.7	299.9	299.2	298.0	297.5	296.7
72.5°	268.1	270.9	273.2	275.9	277.5	278.6	278.1	277.6	276.6	276.5	275.9
75°	242.3	244.3	245.5	247.6	248.4	249.5	249.0	249.3	249.0	249.7	249.7
77.5°	211.3	212.7	213.2	214.8	214.9	216.2	216.5	218.0	219.1	221.4	222.6
80°	176.3	177.2	177.2	178.8	179.5	181.6	182.7	185.1	186.2	188.3	188.5
82.5°	137.0	135.9	137.0	136.3	138.3	140.7	141.0	143.1	143.5	144.9	143.9
85°	93.7	93.6	92.7	92.8	92.3	92.5	92.2	92.5	92.2	92.3	91.2
87.5°	44.9	45.2	44.3	44.6	43.7	44.1	43.3	43.9	42.9	43.1	41.6
90°	19.4	20.1	20.6	21.4	22.2	24.0	25.8	27.6	29.6	31.4	33.4
92.5°	23.5	24.4	25.4	26.4	27.3	30.2	33.0	35.9	38.8	41.5	44.4
95°	26.9	27.8	28.6	29.5	30.4	34.5	38.7	42.7	46.9	51.0	55.2
97.5°	30.4	30.9	31.5	32.0	32.5	37.4	42.3	47.1	51.9	56.9	61.7
100°	35.0	35.7	36.2	37.0	37.6	48.9	60.1	71.3	82.5	93.7	104.9
102.5°	58.4	62.3	66.3	70.3	74.2	101.5	128.6	155.8	182.9	210.1	237.3
105°	137.0	150.1	163.4	176.7	189.9	231.1	272.2	313.4	354.5	395.6	436.8
107.5°	280.2	303.4	326.9	350.1	373.4	412.2	450.8	489.5	528.2	566.9	605.5
110°	430.8	450.9	471.1	491.2	511.3	542.0	572.8	603.6	634.2	665.1	695.7



TEST NUMBER: P1444860
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL18

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	518.4	530.6	542.9	555.1	567.4	590.0	612.6	635.1	657.8	680.2	702.8
115°	540.5	547.0	553.6	560.0	566.6	580.3	594.0	607.6	621.3	634.9	648.6
117.5°	524.0	526.4	528.9	531.2	533.5	540.6	547.7	554.8	561.9	569.0	576.1
120°	484.8	484.7	484.6	484.4	484.3	486.6	489.0	491.3	493.5	495.9	498.1
122.5°	440.5	439.0	437.6	436.0	434.5	433.9	433.3	432.7	432.2	431.5	430.9
125°	398.5	397.0	395.4	393.9	392.4	390.6	388.8	387.0	385.2	383.4	381.6
127.5°	362.4	361.0	359.8	358.4	357.1	355.0	353.0	350.9	348.9	346.8	344.7
130°	332.2	331.2	330.4	329.3	328.4	326.6	324.9	323.1	321.4	319.7	317.9
132.5°	310.0	309.4	308.7	308.1	307.4	305.9	304.5	302.8	301.2	299.7	298.2
135°	292.4	292.1	291.8	291.6	291.2	290.1	289.0	287.8	286.8	285.6	284.5
137.5°	277.8	277.8	277.9	277.8	277.8	276.9	275.9	275.1	274.3	273.3	272.4
140°	268.0	268.0	268.2	268.1	268.1	267.1	266.2	265.2	264.2	263.2	262.2
142.5°	258.1	258.2	258.3	258.3	258.3	257.5	256.8	256.1	255.3	254.6	253.8
145°	250.5	250.8	251.0	251.0	251.2	250.3	249.4	248.4	247.6	246.6	245.8
147.5°	243.3	243.5	243.7	244.0	244.2	243.3	242.6	241.8	241.0	240.3	239.6
150°	237.8	237.8	237.9	237.9	237.9	237.1	236.3	235.4	234.7	233.8	233.0
152.5°	232.4	232.5	232.6	232.6	232.7	231.8	230.9	230.0	229.1	228.1	227.3
155°	227.4	227.4	227.4	227.4	227.4	226.5	225.7	224.8	224.0	223.1	222.2
157.5°	223.0	223.1	223.2	223.2	223.3	222.5	221.8	221.0	220.3	219.5	218.7
160°	219.5	219.6	219.7	219.8	219.8	219.2	218.6	218.0	217.4	216.7	216.0
162.5°	217.1	217.3	217.3	217.4	217.5	216.9	216.2	215.6	215.0	214.3	213.7
165°	214.2	214.2	214.2	214.1	214.1	213.6	213.3	212.9	212.5	211.9	211.6
167.5°	213.6	213.5	213.5	213.5	213.5	213.2	213.0	212.6	212.2	211.9	211.6
170°	212.6	212.5	212.5	212.5	212.4	212.1	211.8	211.6	211.3	210.9	210.5
172.5°	211.8	211.7	211.5	211.4	211.2	211.0	210.7	210.5	210.4	210.2	210.0
175°	211.1	211.0	210.8	210.6	210.4	210.4	210.4	210.3	210.2	210.0	209.9
177.5°	212.6	212.4	212.1	211.7	211.6	211.5	211.4	211.2	211.2	211.1	211.0
180°	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4



TEST NUMBER: P1444860
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL18

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4
2.5°	9935.9	9874.5	9866.4	9870.7	9880.9	9884.8	9895.8	9898.9	9910.0	9912.7	9923.4
5°	10140.9	10059.8	10063.8	10083.3	10112.8	10130.4	10159.5	10174.6	10202.3	10215.0	10240.0
7.5°	10357.1	10293.4	10313.3	10346.1	10386.5	10414.4	10449.3	10472.0	10502.1	10520.7	10544.8
10°	10463.2	10445.7	10467.6	10493.5	10516.5	10534.6	10549.3	10561.1	10568.9	10576.2	10579.4
12.5°	10382.5	10409.4	10413.1	10410.6	10395.4	10383.8	10357.6	10339.8	10308.2	10289.0	10251.5
15°	10083.0	10142.4	10109.5	10059.7	9986.9	9926.1	9840.3	9776.5	9687.1	9626.5	9536.9
17.5°	9557.5	9632.4	9546.7	9431.5	9285.0	9159.7	9003.5	8879.6	8724.4	8611.5	8466.6
20°	8817.7	8887.7	8734.9	8543.9	8317.2	8126.4	7901.5	7722.0	7512.9	7357.4	7169.7
22.5°	7896.5	7946.4	7731.1	7473.7	7184.8	6946.5	6677.5	6462.4	6223.7	6045.9	5845.8
25°	6877.5	6891.0	6632.7	6336.1	6014.2	5746.3	5459.1	5232.9	4989.5	4809.3	4613.0
27.5°	5848.9	5829.2	5550.0	5235.6	4896.9	4618.5	4338.4	4126.4	3913.2	3750.9	3581.7
30°	4878.1	4830.3	4540.4	4217.2	3888.5	3639.0	3406.4	3236.2	3066.6	2937.9	2802.0
32.5°	3987.8	3920.4	3638.2	3335.4	3058.5	2865.9	2693.4	2564.6	2427.7	2318.9	2205.0
35°	3199.3	3127.4	2877.5	2620.8	2411.1	2269.2	2133.6	2028.0	1911.7	1819.9	1721.0
37.5°	2522.5	2463.6	2254.3	2052.2	1893.7	1783.7	1672.7	1586.3	1490.2	1449.8	1344.1
40°	1947.4	1906.3	1742.6	1593.6	1474.5	1422.8	1310.1	1229.4	1157.7	1098.5	1041.1
42.5°	1519.0	1504.4	1345.1	1228.9	1145.1	1080.0	1017.2	966.2	916.6	875.8	837.2
45°	1114.8	1103.2	1032.4	965.4	908.3	862.8	820.3	785.3	752.8	725.9	701.5
47.5°	868.1	864.4	823.6	782.0	746.1	716.8	689.2	666.0	644.4	626.5	620.6
50°	706.0	705.6	681.6	656.0	630.3	613.4	595.8	582.1	568.2	557.5	546.1
52.5°	599.8	597.2	581.2	565.3	550.1	539.0	527.7	518.9	509.8	503.1	496.1
55°	516.4	519.2	509.8	500.3	490.9	484.0	476.1	470.2	464.0	459.8	455.5
57.5°	458.4	462.0	457.2	451.8	446.1	441.5	436.0	432.0	427.9	425.2	422.7
60°	416.3	420.2	418.3	415.6	412.0	409.3	405.8	403.6	400.9	399.4	398.0
62.5°	380.6	385.5	384.7	383.5	381.2	379.7	377.8	376.8	375.0	374.3	373.7
65°	344.9	350.4	350.3	349.6	348.4	348.0	346.7	346.6	345.6	346.0	345.9
67.5°	316.7	321.6	322.7	323.4	323.4	323.7	323.6	324.1	324.1	324.7	325.2
70°	296.5	299.9	300.7	301.5	301.7	302.3	302.3	302.8	302.6	303.3	303.4
72.5°	276.0	280.5	281.2	281.9	281.9	282.5	282.2	282.1	281.2	281.1	280.4
75°	250.6	256.2	257.5	258.3	258.4	258.9	258.2	257.6	256.2	255.6	254.6
77.5°	223.9	229.9	230.7	231.0	230.5	230.6	229.0	227.9	226.1	225.3	224.3
80°	189.4	198.0	198.6	198.1	196.8	196.5	195.0	194.0	191.8	190.9	190.1
82.5°	144.1	154.2	155.6	156.3	155.2	155.4	154.0	153.3	151.3	150.9	149.6
85°	91.0	101.1	102.8	102.5	101.5	101.2	100.3	100.6	100.4	101.0	101.3
87.5°	41.8	51.6	54.0	53.2	53.1	52.4	50.8	51.5	52.4	53.0	53.1
90°	35.2	40.0	41.8	40.4	38.2	36.6	34.4	33.1	30.9	29.5	27.5
92.5°	47.3	50.1	53.0	50.5	47.8	45.3	42.8	40.2	37.7	35.2	32.6
95°	59.3	63.4	67.5	64.1	60.6	57.2	53.8	50.5	47.0	43.7	40.2
97.5°	66.5	71.4	76.2	72.8	69.4	66.0	62.5	59.2	55.7	52.4	49.0
100°	116.0	127.2	138.3	128.7	119.1	109.4	99.8	90.1	80.5	70.8	61.2
102.5°	264.4	291.5	318.6	294.3	269.9	245.5	221.1	196.8	172.4	148.0	123.7
105°	477.8	518.8	559.9	522.6	485.5	448.3	411.1	373.9	336.7	299.5	262.4
107.5°	644.2	682.6	721.2	687.5	654.0	620.4	586.7	553.2	519.6	485.9	452.4
110°	726.4	756.9	787.4	764.8	742.4	719.8	697.2	674.7	652.1	629.8	607.2



TEST NUMBER: P1444860
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL18

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	725.4	747.5	769.9	756.7	743.6	730.5	717.3	704.2	691.1	678.0	664.9
115°	662.2	675.3	688.8	683.5	678.4	673.2	668.1	663.0	657.9	652.8	647.8
117.5°	583.0	589.5	596.4	595.5	594.6	593.7	592.9	592.1	591.3	590.5	589.7
120°	500.4	502.0	504.0	504.7	505.6	506.4	507.3	508.0	509.0	509.7	510.6
122.5°	430.3	429.0	428.0	428.8	429.6	430.3	431.1	431.9	432.7	433.4	434.4
125°	379.8	377.1	375.1	374.3	373.7	372.9	372.2	371.4	370.7	370.0	369.3
127.5°	342.8	339.8	337.5	335.6	333.6	331.7	329.8	327.9	326.0	324.1	322.2
130°	316.2	313.5	311.5	309.0	306.6	304.1	301.7	299.2	296.7	294.3	291.8
132.5°	296.7	294.2	292.4	290.0	287.7	285.3	282.9	280.6	278.3	275.8	273.5
135°	283.4	281.2	279.8	277.7	275.7	273.5	271.4	269.2	267.1	265.0	262.8
137.5°	271.6	269.5	268.4	266.7	265.1	263.3	261.7	260.1	258.4	256.5	254.9
140°	261.3	259.0	257.8	257.0	256.1	255.2	254.3	253.4	252.4	251.6	250.7
142.5°	253.1	251.1	250.1	249.7	249.1	248.5	248.1	247.5	246.9	246.3	245.8
145°	244.8	242.5	241.4	241.3	241.5	241.5	241.5	241.6	241.6	241.6	241.7
147.5°	238.8	236.5	235.3	235.5	235.8	235.9	236.2	236.3	236.6	236.6	236.9
150°	232.1	229.5	228.2	228.6	228.8	229.2	229.6	230.0	230.2	230.6	230.9
152.5°	226.3	223.3	221.8	222.2	222.5	222.9	223.3	223.6	224.0	224.5	224.8
155°	221.3	218.0	216.5	216.6	216.8	216.9	217.0	217.3	217.5	217.7	218.1
157.5°	217.9	214.5	213.1	213.0	213.1	213.1	213.2	213.4	213.5	213.6	213.8
160°	215.5	212.1	210.7	210.6	210.7	210.7	210.7	210.9	211.0	211.1	211.2
162.5°	213.0	209.8	208.4	208.4	208.4	208.4	208.5	208.5	208.6	208.7	208.8
165°	211.0	208.3	207.2	207.2	207.4	207.5	207.6	207.8	207.9	208.1	208.4
167.5°	211.3	208.8	207.9	207.8	207.7	207.6	207.6	207.5	207.5	207.4	207.4
170°	210.2	208.2	207.5	207.5	207.6	207.7	207.7	207.7	207.7	207.9	208.0
172.5°	209.7	208.2	207.7	207.8	208.1	208.3	208.5	208.7	208.9	209.1	209.3
175°	209.8	209.0	208.8	208.8	208.9	209.0	209.1	209.2	209.3	209.4	209.6
177.5°	210.8	210.5	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4
180°	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4



TEST NUMBER: P1444860
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL18

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4
2.5°	9925.4	9937.0	9936.1	9946.9	9946.4	9956.6	9954.5	9963.4	9961.3	9968.8	9964.4
5°	10251.0	10273.0	10280.3	10300.2	10304.2	10322.0	10322.4	10336.5	10334.8	10345.9	10340.0
7.5°	10559.0	10579.5	10589.3	10604.7	10612.4	10625.2	10630.2	10640.7	10643.2	10649.4	10649.2
10°	10584.9	10584.9	10589.7	10587.5	10591.9	10589.4	10594.7	10592.7	10600.5	10598.5	10604.3
12.5°	10235.2	10200.6	10187.8	10156.7	10149.8	10123.1	10125.0	10107.8	10116.1	10105.6	10123.5
15°	9483.6	9403.1	9363.3	9293.3	9271.3	9216.0	9211.5	9174.7	9184.7	9165.4	9193.5
17.5°	8372.9	8246.1	8176.6	8074.3	8033.8	7955.4	7939.7	7892.5	7899.8	7876.0	7909.9
20°	7048.6	6895.4	6807.7	6689.4	6636.8	6543.4	6518.7	6465.7	6472.4	6448.7	6487.1
22.5°	5709.2	5548.9	5449.8	5325.9	5258.6	5170.8	5144.5	5091.4	5094.3	5072.1	5109.0
25°	4478.4	4324.7	4228.5	4116.0	4057.5	3977.1	3949.4	3901.6	3904.3	3886.0	3919.1
27.5°	3464.4	3338.2	3257.8	3163.4	3111.0	3044.9	3017.9	2977.8	2977.6	2964.2	2991.9
30°	2707.3	2602.0	2529.7	2447.6	2398.3	2338.7	2312.6	2276.7	2275.1	2265.6	2287.6
32.5°	2119.7	2026.0	1960.2	1887.9	1843.7	1792.4	1767.8	1738.9	1736.3	1727.7	1745.7
35°	1647.8	1568.9	1512.3	1451.4	1455.9	1380.4	1392.9	1334.2	1318.3	1314.8	1328.3
37.5°	1273.5	1212.5	1166.4	1120.9	1089.9	1058.1	1040.9	1025.5	1023.7	1022.2	1031.6
40°	996.8	954.1	920.7	889.3	868.1	848.7	837.9	829.4	827.4	826.3	831.9
42.5°	806.7	777.9	756.4	737.3	724.3	713.7	707.9	703.2	701.6	701.7	705.0
45°	681.6	664.1	650.2	638.4	630.1	633.7	623.1	628.6	621.3	628.9	623.9
47.5°	600.3	585.3	576.8	568.3	563.4	559.3	559.5	559.6	561.2	561.4	563.0
50°	537.5	528.9	522.9	517.5	514.9	512.8	513.5	514.1	515.7	515.8	517.0
52.5°	491.0	485.4	481.7	478.4	477.3	476.1	476.5	476.4	477.0	476.7	477.7
55°	453.2	450.5	449.4	448.2	448.4	448.0	448.2	447.1	446.3	445.4	446.3
57.5°	422.2	421.8	422.6	423.1	424.5	425.1	425.3	424.0	422.7	421.4	422.2
60°	398.3	398.9	400.7	402.3	404.4	405.3	405.8	405.1	404.2	403.1	403.7
62.5°	374.7	375.6	377.9	379.6	382.1	383.4	384.7	384.8	385.2	384.8	385.2
65°	347.3	348.4	350.5	351.9	354.3	355.4	356.8	357.1	357.9	357.7	358.4
67.5°	326.5	327.5	329.3	330.6	332.6	333.8	335.1	335.1	335.5	335.4	336.1
70°	304.4	304.8	306.4	307.5	309.6	310.8	312.2	312.6	313.6	313.7	314.4
72.5°	280.7	280.5	281.3	281.9	283.4	284.4	286.3	287.3	288.8	289.1	289.7
75°	254.9	254.7	255.8	256.2	257.6	258.5	260.6	261.9	264.3	265.3	265.0
77.5°	225.1	225.6	227.6	228.7	230.5	231.7	234.4	236.6	240.9	242.9	240.9
80°	191.8	192.2	194.4	195.5	197.7	199.2	202.3	204.8	208.7	209.5	208.4
82.5°	150.7	150.9	152.7	153.6	156.6	158.7	162.6	164.5	167.0	166.6	166.3
85°	102.8	104.2	106.6	108.9	112.6	116.0	119.7	122.6	120.6	123.9	120.1
87.5°	54.9	54.8	58.0	57.5	62.6	65.6	68.7	70.1	71.9	71.5	71.5
90°	26.3	25.0	24.5	23.0	22.9	21.4	21.4	20.0	20.2	18.6	20.8
92.5°	30.1	28.7	27.3	26.0	24.6	23.2	21.8	20.5	19.1	17.7	19.1
95°	36.9	35.6	34.4	33.1	31.8	30.6	29.3	28.0	26.8	25.5	27.0
97.5°	45.6	44.9	44.1	43.4	42.6	42.0	41.3	40.5	39.8	39.0	40.0
100°	51.6	51.6	51.6	51.6	51.5	51.5	51.5	51.5	51.5	51.5	52.3
102.5°	99.3	96.9	94.5	92.0	89.6	87.1	84.6	82.2	79.8	77.4	81.0
105°	225.2	215.7	206.2	196.7	187.0	177.6	168.0	158.5	148.9	139.5	149.3
107.5°	418.8	401.4	384.0	366.7	349.3	331.9	314.5	297.2	279.8	262.5	278.0
110°	584.7	566.3	547.9	529.5	511.0	492.5	474.1	455.7	437.3	418.9	433.7



TEST NUMBER: P1444860
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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°	651.8	639.8	628.0	616.0	604.2	592.3	580.5	568.6	556.8	544.9	532.1
115°	642.6	637.0	631.2	625.7	620.0	614.3	608.7	603.1	597.4	591.8	586.2
117.5°	588.9	587.0	585.1	583.2	581.4	579.5	577.7	576.0	574.0	572.3	570.5
120°	511.6	512.1	512.7	513.4	514.1	514.7	515.3	516.0	516.8	517.5	518.2
122.5°	435.1	436.5	438.0	439.5	440.9	442.5	444.0	445.6	447.2	448.8	450.4
125°	368.6	370.0	371.4	372.9	374.2	375.7	377.3	378.9	380.4	382.1	383.7
127.5°	320.4	320.9	321.4	321.9	322.5	323.1	323.8	324.4	325.2	326.0	326.8
130°	289.4	289.0	288.6	288.1	287.7	287.5	287.2	286.8	286.6	286.4	286.2
132.5°	271.1	270.0	269.0	267.9	266.8	265.8	264.9	264.1	263.1	262.4	261.9
135°	260.7	259.1	257.6	256.2	254.6	253.4	251.9	250.6	249.4	248.1	247.0
137.5°	253.2	251.7	250.2	248.7	247.1	245.8	244.4	243.1	241.8	240.6	239.5
140°	249.7	248.2	246.7	245.2	243.8	242.4	241.0	239.7	238.4	237.3	236.2
142.5°	245.2	243.8	242.4	241.1	239.8	238.5	237.3	236.1	235.0	233.9	232.8
145°	241.7	240.6	239.6	238.6	237.7	236.7	235.7	235.0	234.1	233.4	232.7
147.5°	237.0	236.3	235.4	234.7	234.0	233.4	232.7	232.0	231.3	230.8	230.3
150°	231.3	230.8	230.2	229.8	229.3	228.8	228.5	228.0	227.6	227.3	227.0
152.5°	225.2	224.8	224.3	223.8	223.5	223.0	222.6	222.2	222.0	221.5	221.2
155°	218.2	218.1	217.8	217.6	217.4	217.2	217.0	217.0	216.8	216.7	216.6
157.5°	213.9	213.8	213.7	213.8	213.7	213.6	213.5	213.6	213.5	213.6	213.7
160°	211.4	211.3	211.1	211.0	210.8	210.7	210.6	210.5	210.4	210.4	210.5
162.5°	208.9	209.1	209.1	209.1	209.2	209.3	209.4	209.5	209.6	209.8	209.9
165°	208.6	208.5	208.5	208.3	208.3	208.3	208.3	208.2	208.2	208.3	208.5
167.5°	207.4	207.5	207.6	207.7	207.7	208.0	208.2	208.4	208.5	208.8	209.0
170°	208.0	208.0	208.0	208.0	208.0	208.1	208.1	208.1	208.2	208.3	208.4
172.5°	209.5	209.5	209.4	209.5	209.4	209.5	209.5	209.5	209.5	209.6	209.7
175°	209.6	209.8	209.9	210.1	210.2	210.3	210.4	210.5	210.6	210.7	210.7
177.5°	210.4	210.4	210.4	210.4	210.4	210.5	210.5	210.5	210.5	210.4	210.5
180°	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4



TEST NUMBER: P1444860
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL18

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4
2.5°	9971.7	9966.7	9971.8	9966.7	9971.8	9965.7	9969.9	9963.2	9964.8	9957.9	9959.6
5°	10348.7	10340.9	10345.0	10334.7	10335.8	10322.0	10321.8	10305.7	10301.5	10283.2	10275.2
7.5°	10653.7	10651.1	10652.6	10645.9	10645.1	10635.7	10631.2	10617.9	10609.6	10592.7	10581.2
10°	10605.4	10613.2	10615.2	10623.1	10624.8	10632.6	10634.3	10642.1	10643.7	10649.5	10649.6
12.5°	10122.7	10149.1	10155.4	10188.0	10201.8	10239.0	10259.0	10300.2	10324.5	10365.6	10390.7
15°	9192.7	9238.5	9256.7	9320.3	9355.5	9429.9	9476.5	9561.9	9622.1	9712.7	9777.3
17.5°	7912.9	7976.7	8005.5	8091.8	8148.1	8257.9	8336.8	8467.0	8566.6	8711.2	8825.8
20°	6493.7	6564.6	6603.7	6702.1	6768.6	6896.7	6995.4	7155.3	7288.6	7471.9	7628.6
22.5°	5120.6	5188.1	5231.5	5331.6	5406.5	5540.1	5650.5	5819.2	5968.6	6175.1	6362.9
25°	3931.6	3993.5	4032.7	4123.3	4193.6	4316.5	4421.7	4584.1	4730.3	4937.4	5130.0
27.5°	3005.7	3057.5	3095.3	3172.6	3234.5	3338.7	3429.2	3563.3	3689.3	3868.5	4040.1
30°	2301.1	2347.0	2383.8	2451.1	2508.6	2598.9	2678.4	2791.2	2895.4	3037.9	3174.4
32.5°	1758.4	1797.9	1830.7	1889.6	1941.8	2023.1	2094.8	2193.5	2283.0	2403.9	2516.2
35°	1340.7	1418.5	1413.0	1494.3	1507.3	1565.6	1629.7	1716.0	1795.2	1898.1	1993.6
37.5°	1040.6	1062.5	1085.9	1121.8	1159.6	1212.7	1266.8	1372.2	1411.0	1488.6	1567.7
40°	839.2	853.9	869.5	893.7	920.1	957.5	996.8	1047.2	1098.8	1161.8	1226.2
42.5°	709.5	717.8	727.7	741.9	758.2	781.9	808.2	842.3	878.3	922.6	967.9
45°	633.8	629.8	632.8	640.4	650.3	664.7	681.3	702.4	725.8	754.5	785.1
47.5°	563.4	565.0	565.8	570.0	575.3	585.0	595.0	609.4	637.1	645.5	662.2
50°	516.9	517.6	517.3	519.5	522.2	528.4	534.9	544.6	554.3	567.2	579.5
52.5°	477.8	478.9	478.8	480.2	481.6	485.6	489.6	496.5	502.9	511.1	518.1
55°	447.0	448.5	449.1	450.2	451.0	453.0	454.7	458.0	460.7	465.3	469.6
57.5°	423.3	425.3	426.3	426.7	425.9	425.8	425.3	425.9	426.5	429.0	431.4
60°	404.6	406.3	406.6	406.3	404.8	403.7	401.9	401.4	401.1	402.3	403.6
62.5°	385.1	385.8	385.3	384.8	383.1	382.1	380.2	379.5	378.9	379.8	380.5
65°	358.2	358.6	358.2	357.8	356.3	355.4	353.9	353.3	352.5	352.7	352.6
67.5°	336.2	336.7	336.3	335.9	334.9	334.3	333.2	332.4	331.4	331.0	330.2
70°	314.3	314.7	314.1	313.7	312.5	312.0	311.0	310.7	309.9	309.7	308.8
72.5°	289.1	289.2	288.3	288.1	287.2	287.1	286.7	287.1	287.1	287.5	287.3
75°	263.5	263.1	262.0	261.8	261.1	261.5	261.0	261.6	261.6	262.6	262.8
77.5°	237.7	236.4	234.2	233.3	231.9	231.7	230.9	231.4	231.3	232.4	232.8
80°	205.1	203.5	200.8	199.6	197.9	197.6	196.9	197.6	197.3	198.6	199.5
82.5°	163.8	162.3	159.6	158.6	156.6	156.8	156.0	156.8	156.7	158.6	159.7
85°	121.2	120.2	117.3	114.8	112.1	110.4	108.8	108.5	108.0	108.8	109.4
87.5°	70.0	69.1	66.9	65.4	60.5	60.7	58.7	58.6	58.2	57.7	58.7
90°	21.2	23.1	23.7	25.6	26.2	28.2	29.0	30.9	31.7	33.9	34.7
92.5°	20.5	21.8	23.2	24.6	26.0	27.3	28.7	30.1	33.1	36.0	39.0
95°	28.6	30.2	31.8	33.4	35.0	36.6	38.2	39.8	44.1	48.4	52.8
97.5°	41.2	42.2	43.2	44.3	45.3	46.4	47.5	48.5	53.1	57.8	62.4
100°	53.1	54.0	54.8	55.7	56.6	57.4	58.3	59.1	68.2	77.2	86.1
102.5°	84.5	88.2	91.8	95.3	99.0	102.7	106.2	109.8	130.4	151.1	171.7
105°	159.2	169.0	178.9	188.7	198.6	208.4	218.2	228.1	261.1	294.2	327.2
107.5°	293.6	309.1	324.7	340.3	355.9	371.5	387.1	402.7	434.8	467.1	499.2
110°	448.6	463.3	478.2	493.1	507.9	522.7	537.6	552.5	571.8	591.0	610.4



TEST NUMBER: P1444860
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL18

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	559.3	566.5	573.7	581.0	588.2	595.5	602.7	610.0	619.5	629.2	638.8
115°	592.8	593.2	593.6	594.2	594.5	595.1	595.6	596.1	599.2	602.2	605.1
117.5°	564.3	560.3	556.4	552.4	548.5	544.6	540.6	536.7	536.0	535.4	534.7
120°	506.9	501.5	496.2	490.9	485.6	480.4	475.1	469.9	467.2	464.4	461.7
122.5°	438.1	432.7	427.5	422.1	416.8	411.6	406.5	401.3	399.3	397.3	395.4
125°	372.9	368.6	364.1	359.8	355.5	351.1	346.8	342.6	342.3	341.9	341.8
127.5°	320.5	317.7	315.0	312.4	309.7	307.1	304.6	302.0	303.0	303.9	304.8
130°	283.8	282.6	281.5	280.2	279.2	278.2	277.1	275.9	277.8	279.6	281.5
132.5°	261.7	261.5	261.3	261.0	260.9	260.8	260.7	260.6	262.8	264.9	267.0
135°	248.4	248.7	249.1	249.5	249.9	250.2	250.7	251.0	253.2	255.1	257.3
137.5°	241.6	241.9	242.6	243.1	243.7	244.3	245.0	245.6	247.2	248.7	250.4
140°	237.9	238.2	238.7	239.1	239.5	240.1	240.6	241.0	242.3	243.6	244.8
142.5°	234.5	234.8	235.3	235.7	236.2	236.6	237.1	237.6	238.5	239.3	240.3
145°	233.8	234.0	234.2	234.6	234.9	235.3	235.5	235.9	236.5	236.9	237.5
147.5°	231.0	231.1	231.3	231.4	231.7	231.9	232.1	232.3	232.6	232.8	233.3
150°	227.3	227.3	227.4	227.3	227.4	227.4	227.6	227.6	227.9	228.2	228.5
152.5°	221.6	221.6	221.6	221.5	221.6	221.7	221.7	221.8	222.1	222.3	222.6
155°	216.9	216.9	217.1	217.2	217.4	217.5	217.7	217.8	218.0	218.1	218.2
157.5°	213.8	213.9	214.1	214.2	214.3	214.4	214.5	214.7	214.9	215.0	215.1
160°	210.7	211.0	211.2	211.6	211.7	211.9	212.2	212.4	212.6	212.7	212.9
162.5°	210.1	210.2	210.4	210.4	210.5	210.7	210.8	211.0	211.3	211.5	211.7
165°	208.7	209.1	209.3	209.4	209.7	210.1	210.3	210.5	210.6	210.7	210.9
167.5°	209.1	209.3	209.6	209.9	210.2	210.4	210.6	210.8	210.9	211.0	211.2
170°	208.7	208.9	209.1	209.3	209.5	209.7	210.0	210.1	210.4	210.5	210.7
172.5°	209.9	210.0	210.2	210.4	210.5	210.7	210.9	211.1	211.3	211.5	211.6
175°	210.7	210.7	210.7	210.8	210.8	210.8	210.8	210.9	211.0	211.0	211.0
177.5°	210.6	210.8	210.9	211.0	211.1	211.3	211.4	211.5	211.5	211.5	211.5
180°	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4



TEST NUMBER: P1444860
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL18

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4
2.5°	9952.7	9953.1	9945.1	9944.7	9937.2	9936.2	9928.9	9926.7	9920.7	9918.6	9912.4
5°	10254.6	10244.9	10222.3	10209.0	10186.6	10171.8	10147.7	10131.9	10108.6	10091.0	10067.5
7.5°	10560.0	10544.9	10519.5	10498.9	10468.0	10443.2	10407.0	10377.3	10338.0	10304.0	10262.7
10°	10649.6	10647.3	10640.8	10631.4	10617.0	10600.8	10576.1	10550.4	10516.0	10478.5	10432.7
12.5°	10429.2	10453.0	10485.5	10504.7	10528.1	10538.4	10548.0	10545.5	10539.2	10520.4	10493.9
15°	9871.0	9937.8	10026.3	10095.0	10174.0	10231.3	10294.7	10334.2	10373.6	10391.8	10402.9
17.5°	8982.9	9109.5	9268.3	9399.8	9551.7	9673.7	9807.3	9907.9	10011.4	10085.5	10152.5
20°	7842.2	8025.6	8250.2	8448.5	8679.2	8879.6	9099.4	9279.7	9465.6	9611.0	9748.7
22.5°	6604.9	6822.8	7094.2	7345.7	7643.1	7910.3	8211.9	8474.3	8748.3	8977.2	9198.5
25°	5388.2	5627.1	5923.9	6204.5	6541.3	6852.2	7209.8	7536.9	7891.1	8198.5	8502.2
27.5°	4277.2	4511.8	4814.9	5113.5	5469.6	5800.8	6184.0	6544.4	6947.6	7319.5	7699.8
30°	3364.0	3563.0	3834.7	4124.1	4475.3	4812.3	5199.7	5570.2	5989.7	6395.7	6824.2
32.5°	2665.3	2816.8	3030.5	3275.0	3599.1	3920.0	4288.8	4646.6	5059.7	5469.8	5915.5
35°	2116.7	2234.9	2397.8	2588.7	2863.2	3139.8	3466.0	3791.2	4176.6	4565.9	4999.0
37.5°	1669.2	1765.0	1892.6	2036.1	2256.2	2483.1	2750.6	3020.4	3355.2	3700.2	4092.7
40°	1303.4	1381.0	1480.4	1587.3	1753.5	1928.5	2135.3	2344.4	2613.5	2895.5	3220.3
42.5°	1023.9	1081.2	1151.4	1229.5	1384.6	1477.5	1617.8	1769.0	1966.8	2171.5	2415.8
45°	822.3	861.4	910.1	962.5	1034.5	1113.2	1209.2	1310.1	1497.9	1590.1	1738.7
47.5°	686.7	712.9	743.9	776.9	819.4	865.2	922.1	980.4	1055.8	1133.8	1225.3
50°	595.4	622.0	632.7	649.8	674.4	700.6	732.7	764.8	805.2	846.1	893.3
52.5°	527.6	536.3	547.9	558.8	573.9	603.7	613.4	630.1	652.8	675.0	699.7
55°	475.8	481.5	489.0	495.6	504.8	513.6	526.3	537.5	552.5	565.9	582.4
57.5°	435.6	439.2	444.4	448.7	454.6	459.6	467.1	473.1	481.8	489.4	499.3
60°	406.3	408.7	412.2	415.0	418.8	421.4	425.1	427.9	432.5	436.3	441.9
62.5°	382.3	383.6	386.0	387.5	389.9	391.2	393.2	394.5	397.0	399.0	402.0
65°	353.7	354.0	355.5	356.2	358.1	358.8	360.4	361.0	363.1	364.5	367.2
67.5°	330.2	329.6	329.6	329.0	329.3	328.7	328.9	328.3	329.1	329.6	331.6
70°	308.7	307.8	307.5	306.5	306.2	305.2	304.9	304.0	303.9	303.6	304.4
72.5°	287.8	287.6	287.7	286.9	286.8	286.2	286.2	285.8	286.3	286.4	287.4
75°	263.8	263.8	264.3	263.7	263.9	263.3	263.5	262.9	263.2	263.1	264.1
77.5°	234.5	235.2	236.5	236.2	236.6	235.9	236.2	235.4	235.7	235.2	235.5
80°	201.5	203.0	204.7	204.7	205.4	204.9	205.5	204.9	205.1	204.2	204.0
82.5°	162.5	163.7	165.6	165.6	167.2	167.5	169.3	169.2	170.3	169.7	169.1
85°	111.0	111.9	113.5	114.4	116.0	117.1	118.7	119.5	118.2	120.5	118.7
87.5°	58.0	60.1	58.9	61.8	61.1	63.9	63.4	66.0	65.4	67.7	67.5
90°	37.4	38.5	41.1	42.2	45.2	46.7	46.8	45.2	45.2	43.6	43.6
92.5°	41.9	44.9	47.8	50.8	53.8	56.8	54.0	51.3	48.5	45.8	43.0
95°	57.1	61.4	65.8	70.1	74.4	78.8	74.1	69.5	64.9	60.2	55.5
97.5°	67.1	71.8	76.5	81.1	85.8	90.4	84.9	79.4	73.9	68.5	63.0
100°	95.1	104.2	113.2	122.1	131.2	140.2	130.0	119.7	109.5	99.2	89.0
102.5°	192.4	213.1	233.8	254.5	275.1	295.7	273.9	252.3	230.4	208.6	186.8
105°	360.2	393.4	426.4	459.4	492.5	525.6	490.4	455.0	419.7	384.5	349.1
107.5°	531.5	563.7	596.0	628.2	660.4	692.7	656.9	621.0	585.2	549.5	513.6
110°	629.8	649.1	668.4	687.8	707.1	726.6	700.5	674.3	648.1	621.9	595.7



TEST NUMBER: P1444860
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL18

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	648.4	658.1	667.8	677.4	687.1	696.7	678.0	659.4	640.5	621.9	603.2
115°	608.2	611.2	614.2	617.2	620.3	623.3	610.6	598.0	585.3	572.7	560.0
117.5°	534.1	533.4	532.8	532.2	531.5	530.9	523.7	516.7	509.4	502.4	495.1
120°	459.0	456.3	453.6	450.9	448.1	445.4	442.4	439.2	436.1	433.1	429.8
122.5°	393.4	391.6	389.7	387.7	385.7	383.7	382.4	381.2	379.9	378.6	377.4
125°	341.6	341.4	341.1	340.9	340.6	340.3	339.7	338.9	338.2	337.5	336.7
127.5°	305.8	306.8	307.7	308.7	309.6	310.5	310.1	310.0	309.7	309.4	309.1
130°	283.3	285.1	286.8	288.7	290.3	292.2	291.7	291.3	290.7	290.3	289.8
132.5°	269.2	271.3	273.3	275.5	277.6	279.7	279.1	278.5	277.9	277.4	276.8
135°	259.2	261.3	263.2	265.4	267.2	269.2	268.5	267.9	267.0	266.5	265.8
137.5°	252.0	253.6	255.0	256.6	258.1	259.7	258.9	258.3	257.6	256.9	256.2
140°	246.0	247.3	248.4	249.7	251.0	252.2	251.3	250.5	249.7	248.8	248.0
142.5°	241.1	242.0	242.9	243.7	244.5	245.5	244.4	243.3	242.2	241.2	240.2
145°	238.1	238.6	239.2	239.7	240.2	240.7	239.4	238.3	237.0	235.8	234.7
147.5°	233.6	233.9	234.0	234.4	234.6	235.0	233.8	232.7	231.5	230.3	229.2
150°	228.7	229.1	229.3	229.5	229.8	230.0	228.7	227.6	226.4	225.2	224.2
152.5°	222.8	223.2	223.4	223.5	223.7	223.9	222.8	221.8	220.7	219.5	218.4
155°	218.3	218.5	218.6	218.7	218.8	218.9	218.0	217.1	216.2	215.3	214.3
157.5°	215.2	215.4	215.5	215.6	215.6	215.7	215.0	214.3	213.6	213.0	212.2
160°	213.0	213.0	213.1	213.2	213.3	213.4	212.8	212.2	211.7	211.0	210.4
162.5°	211.8	212.2	212.4	212.5	212.8	212.9	212.2	211.6	210.8	210.1	209.4
165°	211.0	211.1	211.2	211.3	211.4	211.5	210.9	210.4	210.0	209.5	209.0
167.5°	211.3	211.4	211.5	211.6	211.6	211.7	211.2	210.8	210.3	209.7	209.2
170°	210.9	211.2	211.4	211.5	211.7	211.7	211.4	211.0	210.5	210.3	209.8
172.5°	211.7	212.0	212.1	212.3	212.4	212.6	212.1	211.7	211.3	210.9	210.4
175°	211.0	211.1	211.2	211.2	211.2	211.2	210.9	210.5	210.3	209.9	209.6
177.5°	211.5	211.5	211.5	211.5	211.5	211.5	211.3	211.0	210.8	210.6	210.3
180°	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4



TEST NUMBER: P1444860
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL18

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4	9848.4
2.5°	9910.3	9906.0	9903.2	9899.7	9897.6	9894.8	9892.8	9891.1	9889.7	9888.4	9887.4
5°	10049.7	10027.6	10010.4	9991.7	9976.5	9961.1	9949.4	9939.7	9933.0	9927.9	9924.9
7.5°	10227.1	10186.5	10150.5	10112.5	10078.5	10045.0	10016.2	9991.3	9972.6	9960.6	9953.3
10°	10385.5	10331.3	10277.6	10221.1	10167.5	10115.5	10067.5	10025.3	9992.0	9969.8	9956.8
12.5°	10456.5	10410.3	10355.5	10294.1	10228.5	10162.1	10097.3	10038.9	9989.9	9957.0	9938.0
15°	10394.0	10375.0	10337.8	10290.2	10227.9	10159.2	10083.2	10011.7	9946.0	9903.3	9878.6
17.5°	10190.5	10217.0	10214.2	10196.0	10151.1	10093.3	10015.8	9935.6	9853.3	9796.4	9765.3
20°	9847.1	9930.5	9972.6	9994.4	9976.7	9939.3	9869.1	9787.7	9691.9	9617.4	9572.0
22.5°	9364.5	9511.6	9603.3	9670.3	9684.5	9671.8	9609.8	9532.3	9425.5	9336.1	9269.0
25°	8743.3	8958.8	9103.6	9217.2	9261.3	9272.6	9220.0	9142.9	9023.8	8919.7	8827.5
27.5°	8011.7	8291.6	8484.9	8637.5	8706.4	8736.3	8687.8	8609.2	8468.2	8343.9	8223.6
30°	7187.9	7520.1	7752.9	7935.8	8019.7	8059.2	8007.7	7920.0	7756.0	7606.3	7454.7
32.5°	6306.2	6669.6	6923.4	7122.0	7205.2	7242.4	7174.9	7076.4	6886.9	6710.6	6533.8
35°	5383.1	5749.9	6005.8	6199.2	6268.9	6291.3	6205.1	6091.2	5881.2	5687.8	5495.0
37.5°	4441.2	4782.5	5015.1	5188.5	5231.7	5235.6	5131.7	5005.9	4785.2	4594.5	4402.6
40°	3507.4	3795.2	3983.0	4121.9	4136.9	4123.5	4010.6	3884.0	3677.5	3506.7	3338.2
42.5°	2627.8	2845.1	2979.1	3074.3	3068.6	3042.2	2938.7	2829.8	2659.5	2529.3	2396.8
45°	1874.3	2017.6	2095.9	2151.6	2133.7	2108.5	2028.0	1951.7	1835.9	1751.8	1662.8
47.5°	1302.2	1473.2	1443.4	1552.4	1458.5	1520.5	1391.4	1320.3	1258.9	1214.2	1163.8
50°	932.2	971.4	990.3	1003.3	996.4	986.9	963.7	943.0	914.9	894.5	870.6
52.5°	719.9	739.5	750.3	758.1	756.5	753.0	742.9	733.7	720.5	711.9	701.5
55°	609.8	610.1	629.8	621.4	633.8	619.3	625.0	608.8	611.4	597.4	588.0
57.5°	506.7	514.7	518.4	521.9	520.9	520.3	516.4	514.4	510.0	508.6	505.4
60°	445.7	450.0	450.8	452.4	451.1	450.5	447.5	446.3	443.5	442.9	440.8
62.5°	403.9	406.0	406.0	406.0	404.4	402.6	399.2	397.5	395.0	394.4	393.2
65°	369.0	371.3	371.6	372.1	370.8	369.5	366.5	364.6	362.0	361.0	359.6
67.5°	333.0	335.3	336.2	337.4	336.6	336.3	334.3	333.6	331.9	331.4	330.2
70°	304.7	305.7	305.6	305.6	304.0	302.5	300.2	299.1	297.2	296.9	295.7
72.5°	287.8	288.6	288.1	287.5	285.4	283.3	280.5	278.5	276.1	274.7	273.1
75°	264.1	265.1	264.5	264.1	262.3	260.9	258.7	257.6	255.9	255.4	254.3
77.5°	235.1	235.5	234.6	234.5	233.0	232.2	230.5	230.2	229.0	229.0	227.9
80°	202.7	202.5	201.0	200.6	199.2	198.8	197.5	197.6	196.7	197.1	196.3
82.5°	166.8	165.8	163.9	163.3	161.7	161.5	160.6	161.4	160.7	161.7	161.1
85°	119.6	119.8	118.9	118.9	118.5	118.6	118.6	119.0	119.1	119.9	119.9
87.5°	66.6	67.6	67.5	68.3	68.3	69.2	69.6	71.0	71.2	72.6	72.6
90°	41.9	42.2	40.5	40.8	40.0	40.9	40.4	41.3	40.5	41.3	40.2
92.5°	40.3	37.5	34.8	32.1	30.7	29.2	28.1	26.5	25.2	23.7	22.4
95°	50.8	46.2	41.5	36.9	35.3	33.7	32.1	30.6	28.9	27.3	25.7
97.5°	57.5	51.9	46.5	41.0	39.6	38.2	36.8	35.4	34.0	32.6	31.3
100°	78.7	68.5	58.2	47.9	46.7	45.6	44.4	43.3	42.1	40.9	39.7
102.5°	165.1	143.3	121.5	99.7	95.6	91.4	87.3	83.2	79.0	74.9	70.8
105°	313.9	278.5	243.1	207.8	196.6	185.4	174.2	163.0	151.7	140.5	129.3
107.5°	477.8	441.9	406.1	370.3	349.5	328.8	308.0	287.3	266.6	245.8	225.0
110°	569.5	543.3	517.1	490.9	474.3	457.6	440.9	424.1	407.5	390.8	374.1



TEST NUMBER: P1444860
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL18

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	584.4	565.6	546.9	528.0	520.5	512.9	505.3	497.7	490.1	482.5	474.9
115°	547.2	534.6	521.9	509.1	506.4	503.8	501.1	498.3	495.6	492.8	490.0
117.5°	488.1	480.8	473.7	466.5	466.8	467.3	467.6	468.1	468.4	468.7	469.0
120°	426.7	423.7	420.4	417.4	419.6	421.8	424.0	426.2	428.4	430.6	432.6
122.5°	376.1	374.8	373.5	372.1	374.8	377.6	380.2	382.8	385.5	388.0	390.5
125°	336.1	335.2	334.5	333.7	336.4	339.2	341.9	344.4	347.2	349.7	352.2
127.5°	308.8	308.5	308.3	307.9	309.9	311.6	313.6	315.3	317.1	318.8	320.6
130°	289.3	288.8	288.3	287.8	289.5	291.2	292.9	294.4	296.1	297.6	299.1
132.5°	276.2	275.6	275.0	274.5	275.6	276.8	278.0	278.9	280.1	281.1	282.0
135°	265.2	264.3	263.7	263.0	264.1	265.2	266.2	267.1	268.1	269.0	269.9
137.5°	255.6	254.8	254.1	253.4	254.4	255.3	256.2	257.1	257.9	258.8	259.5
140°	247.1	246.3	245.5	244.6	245.5	246.3	247.1	248.0	248.6	249.3	250.0
142.5°	239.1	237.9	237.0	235.8	236.5	237.0	237.6	238.0	238.7	239.1	239.5
145°	233.5	232.2	231.0	229.8	230.1	230.6	231.1	231.5	231.9	232.3	232.6
147.5°	228.1	226.9	225.8	224.6	224.9	225.2	225.6	225.8	226.1	226.3	226.6
150°	222.9	221.7	220.6	219.3	219.5	219.8	220.1	220.4	220.6	220.8	221.0
152.5°	217.3	216.2	215.1	213.9	214.1	214.3	214.5	214.7	215.0	215.2	215.3
155°	213.4	212.4	211.5	210.5	210.7	210.9	211.2	211.3	211.4	211.6	211.7
157.5°	211.5	210.6	210.0	209.1	209.2	209.2	209.3	209.2	209.4	209.4	209.4
160°	209.8	209.1	208.5	207.7	207.7	207.8	207.9	207.9	207.9	207.8	207.9
162.5°	208.7	207.9	207.2	206.4	206.4	206.4	206.5	206.4	206.5	206.5	206.4
165°	208.4	207.9	207.4	206.7	206.7	206.6	206.6	206.4	206.4	206.3	206.1
167.5°	208.7	208.1	207.7	207.0	207.1	207.1	207.1	207.1	207.3	207.2	207.2
170°	209.4	208.9	208.5	208.0	207.9	207.9	207.8	207.7	207.7	207.6	207.5
172.5°	210.1	209.6	209.2	208.7	208.7	208.6	208.6	208.5	208.4	208.3	208.3
175°	209.2	209.0	208.5	208.2	208.1	208.1	208.1	208.0	207.9	207.9	207.8
177.5°	210.1	209.9	209.6	209.4	209.3	209.3	209.3	209.2	209.2	209.2	209.2
180°	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4



TEST NUMBER: P1444860
CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL18

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	9848.4	9848.4
2.5°	9886.6	9886.1
5°	9923.3	9922.8
7.5°	9951.3	9951.1
10°	9954.6	9956.3
12.5°	9934.7	9936.1
15°	9876.8	9879.5
17.5°	9765.8	9769.4
20°	9574.8	9578.5
22.5°	9265.4	9267.0
25°	8815.6	8809.3
27.5°	8202.5	8191.4
30°	7423.0	7412.3
32.5°	6493.6	6486.9
35°	5447.4	5443.2
37.5°	4345.9	4337.4
40°	3276.6	3251.7
42.5°	2338.8	2295.1
45°	1616.3	1564.5
47.5°	1128.3	1096.4
50°	855.2	844.9
52.5°	696.9	694.5
55°	588.0	586.9
57.5°	506.2	505.8
60°	441.9	441.8
62.5°	393.9	394.1
65°	360.2	360.3
67.5°	330.5	330.3
70°	296.2	295.9
72.5°	272.5	272.1
75°	254.3	254.0
77.5°	228.3	227.9
80°	196.8	196.3
82.5°	161.9	161.3
85°	120.8	120.8
87.5°	73.9	73.9
90°	40.9	39.7
92.5°	21.1	19.8
95°	24.2	22.6
97.5°	29.9	28.5
100°	38.6	37.4
102.5°	66.6	62.5
105°	118.1	106.8
107.5°	204.3	183.6
110°	357.3	340.6



TEST NUMBER: P1444860
CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL18

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	467.3	459.6
115°	487.3	484.5
117.5°	469.4	469.7
120°	434.6	436.8
122.5°	393.1	395.5
125°	354.7	357.2
127.5°	322.2	323.8
130°	300.4	301.9
132.5°	283.0	283.8
135°	270.7	271.4
137.5°	260.2	260.8
140°	250.5	251.1
142.5°	239.9	240.3
145°	232.9	233.1
147.5°	226.6	226.8
150°	221.1	221.2
152.5°	215.5	215.6
155°	211.7	211.8
157.5°	209.3	209.2
160°	207.8	207.8
162.5°	206.4	206.4
165°	205.9	205.8
167.5°	207.1	207.1
170°	207.4	207.3
172.5°	208.2	208.1
175°	207.8	207.8
177.5°	209.2	209.1
180°	210.4	210.4

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

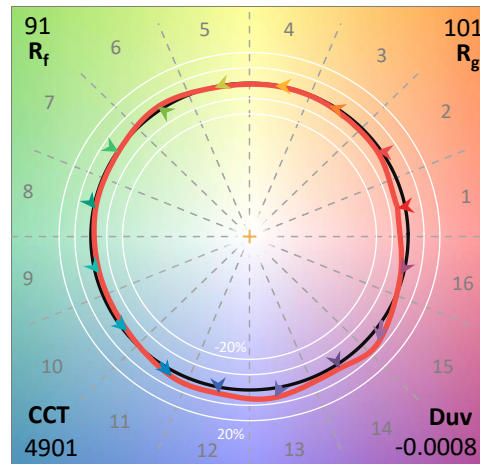
Test Information

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		



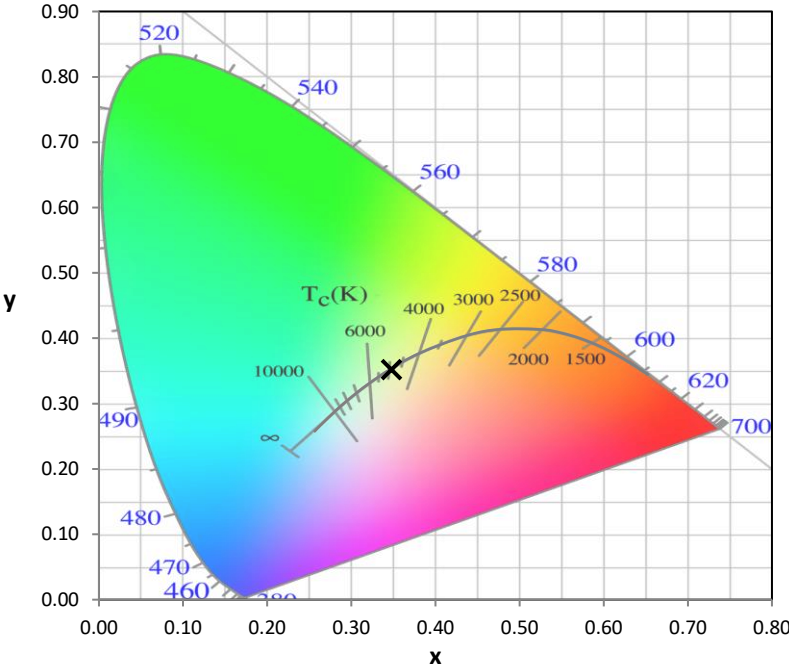
Test Conditions
 Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-8

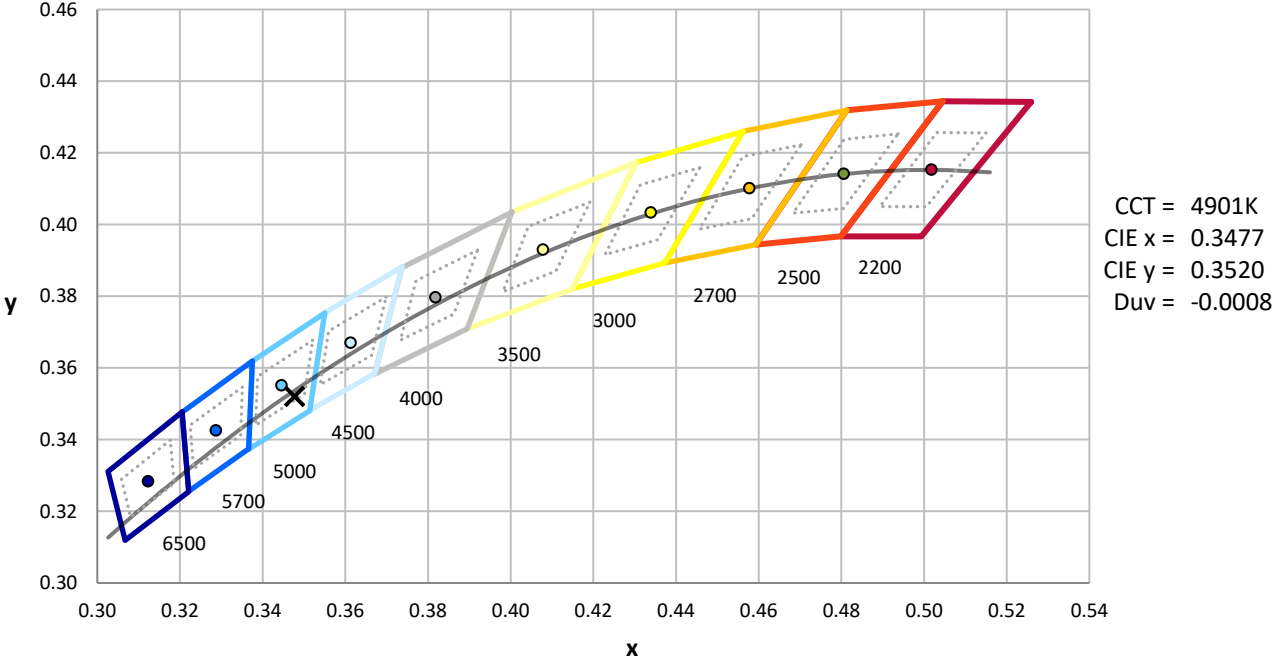
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208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

REPORT NUMBER: SP1-2506-472-8

CIE 1931 Chromaticity Diagram



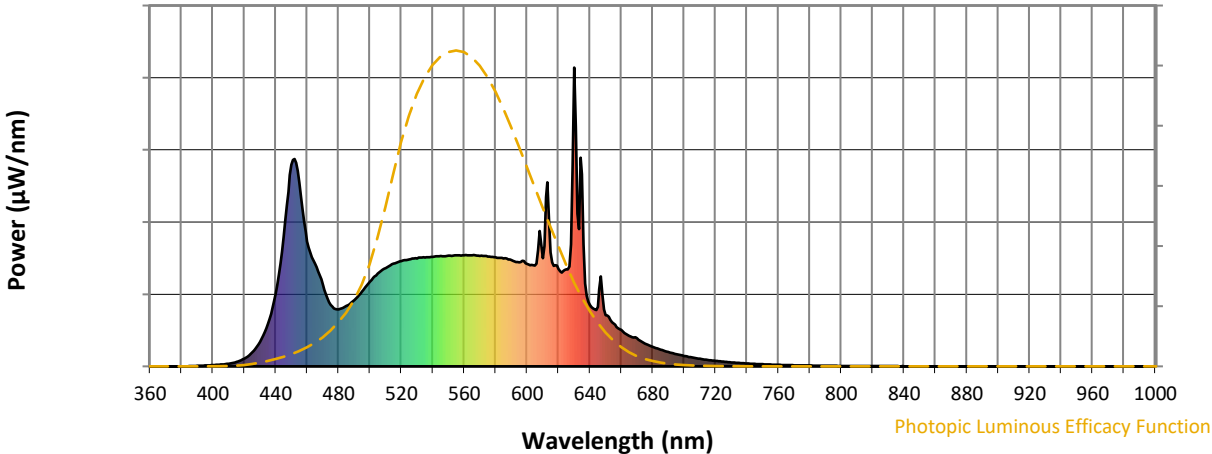
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-8

Photopic Flux vs. Wavelength

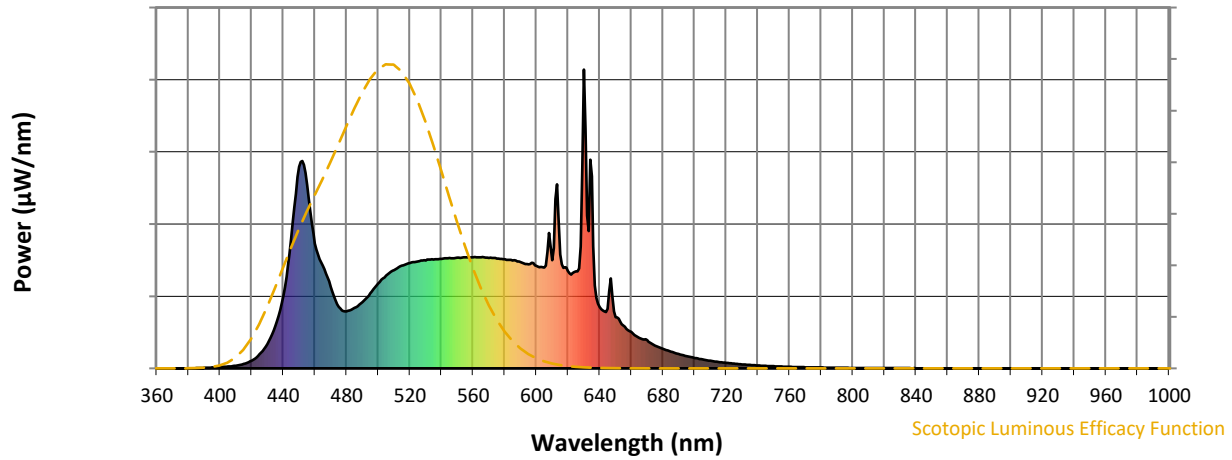


Photopic Lumens: NR

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

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Scotopic Flux vs. Wavelength



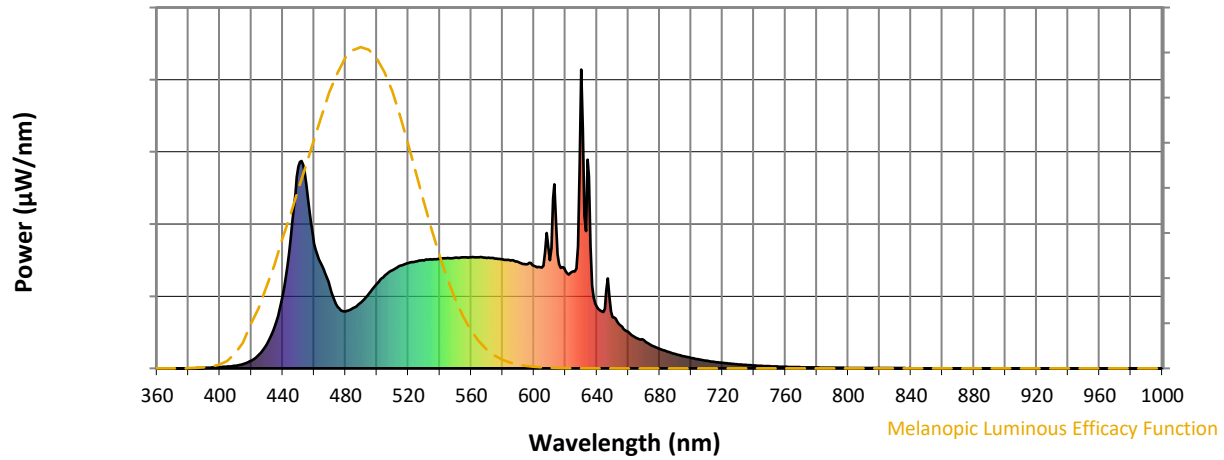
Scotopic Lumens: NR

S/P: 2.04

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

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Melanopic Flux vs. Wavelength



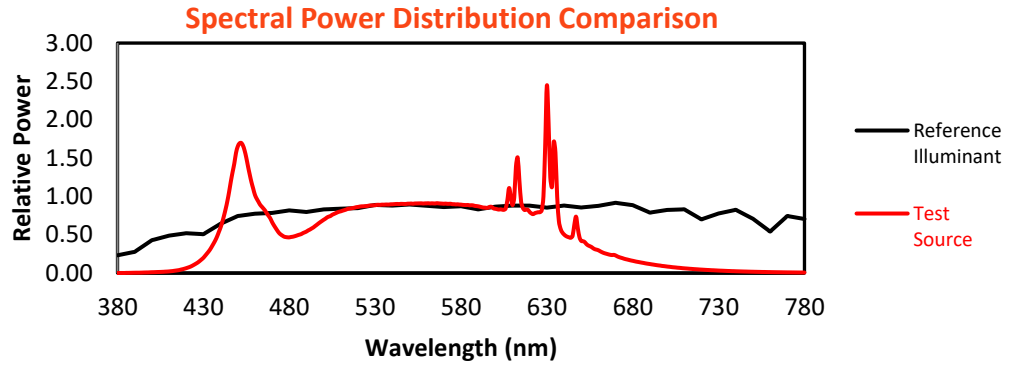
Melanopic Lumens: NR

M/P: 4.41

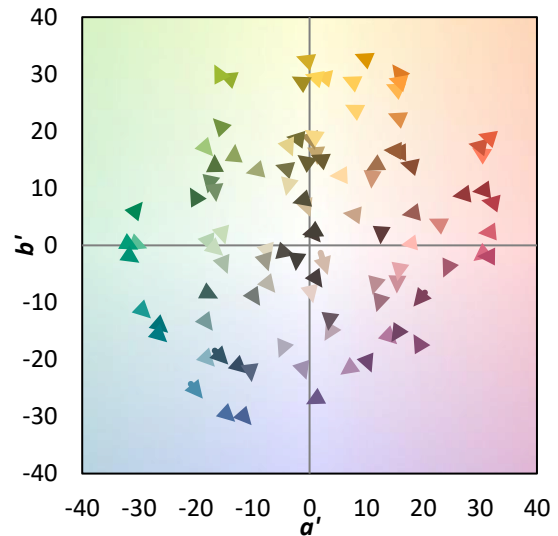
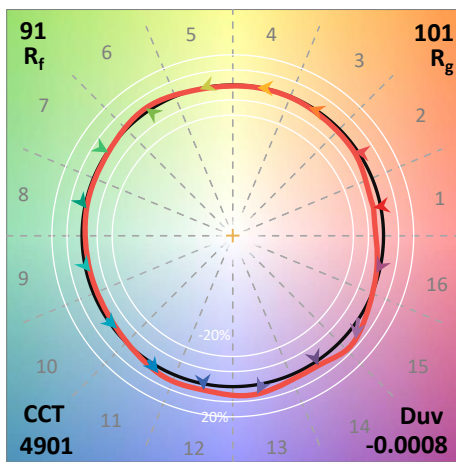
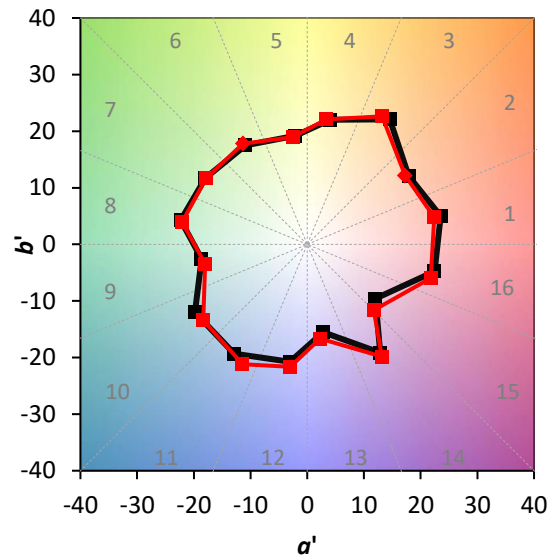
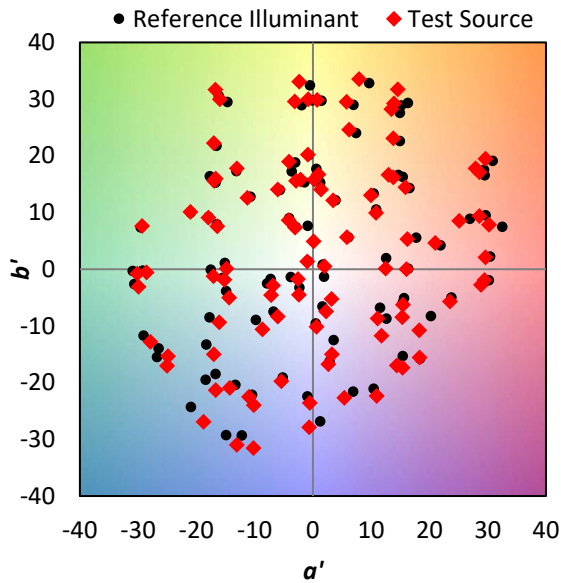
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	221	NR	620	326	NR	750	7	NR	880	0	NR
365	0	NR	495	250	NR	625	325	NR	755	6	NR	885	0	NR
370	0	NR	500	284	NR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

Summary

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

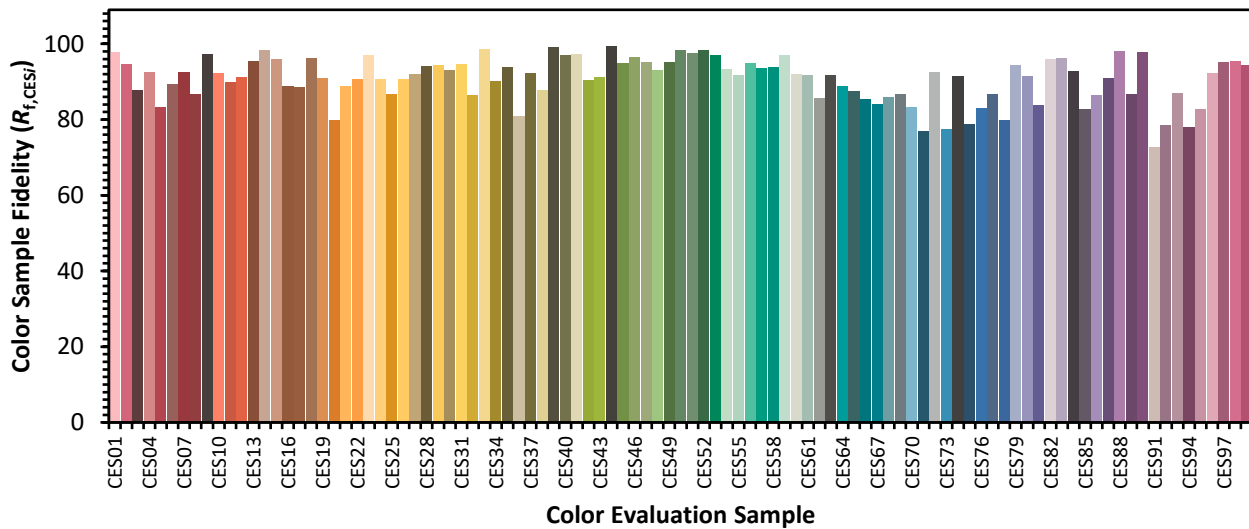


Color Vector Graphics

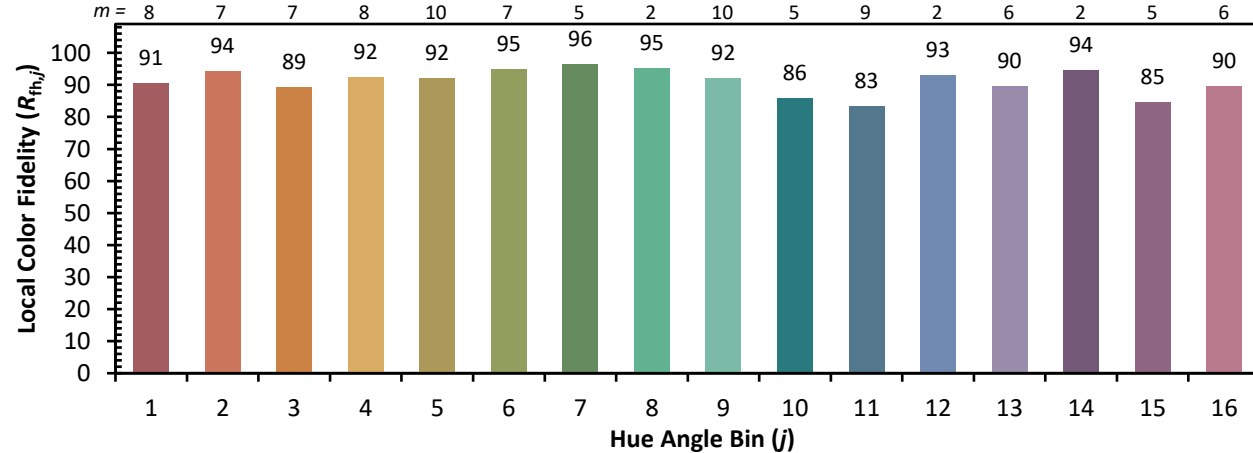
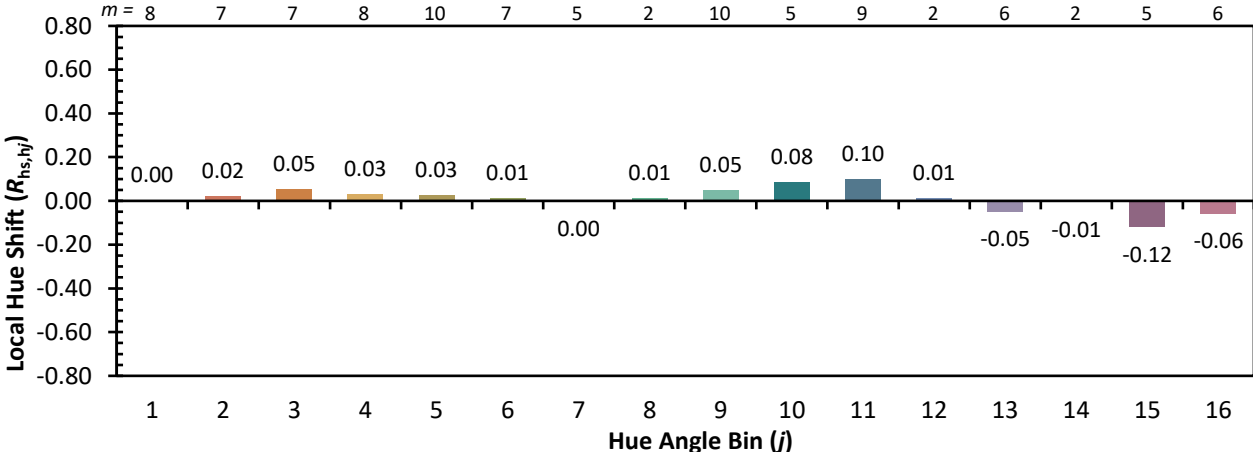
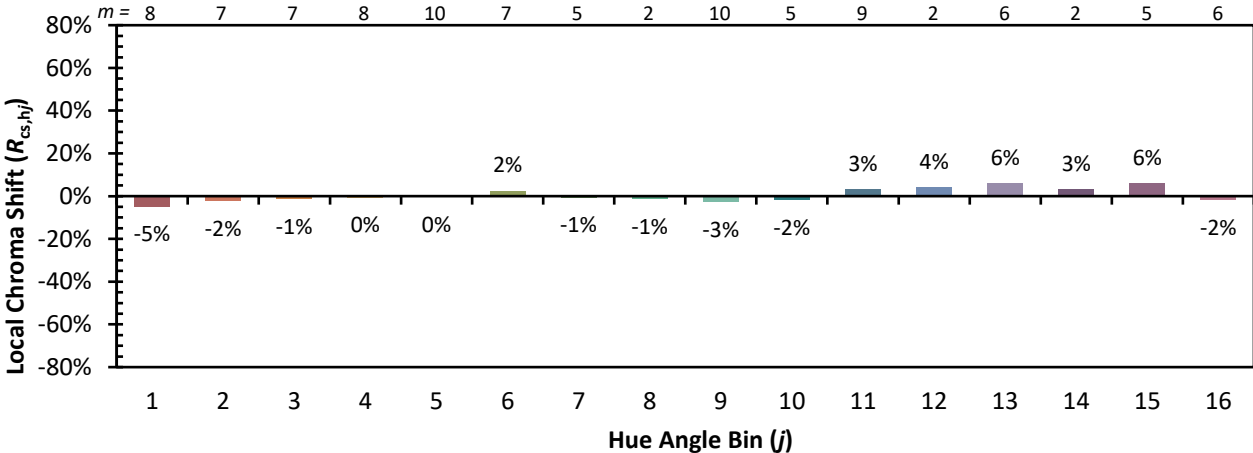


Individual Sample Fidelity Index ($R_{f,i}$)

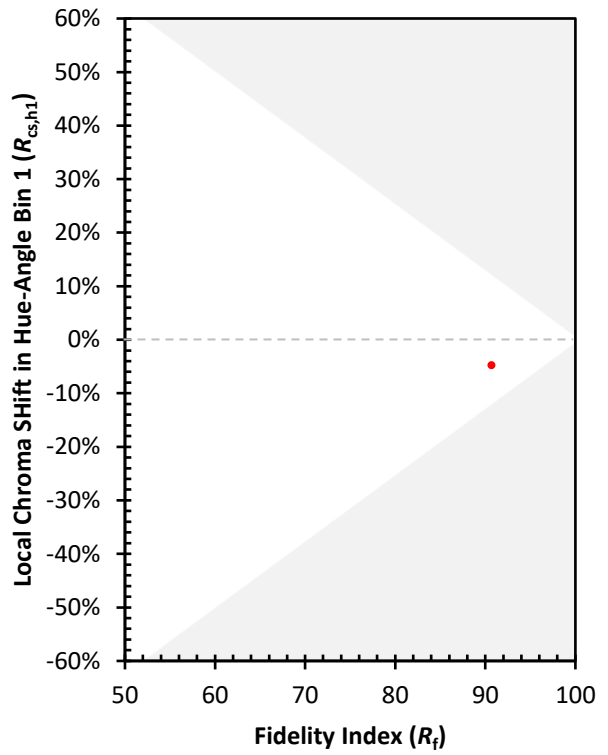
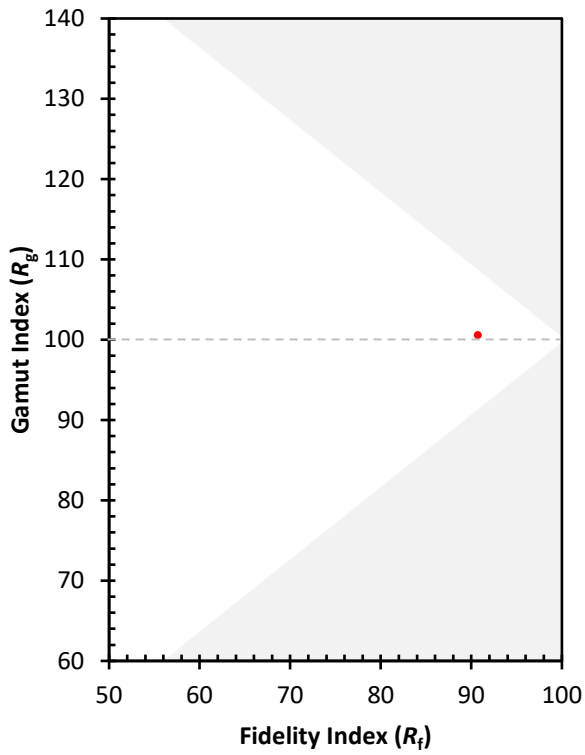
CES01 = 85	CES26 = 91	CES51 = 98	CES76 = 83
CES02 = 61	CES27 = 92	CES52 = 98	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 97	CES78 = 80
CES04 = 69	CES29 = 94	CES54 = 93	CES79 = 94
CES05 = 48	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 50	CES31 = 95	CES56 = 95	CES81 = 84
CES07 = 41	CES32 = 86	CES57 = 94	CES82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



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)