

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: P1444863

Luminaire Tested: EHBR1-12-UNV-TA-L950-UPL36

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444863
REPORT IS A COMBINATION OF REPORTS P1444345 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-UPL36
Description: Elevate Round Highbay at, 12000 lumens, 5000K 90CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

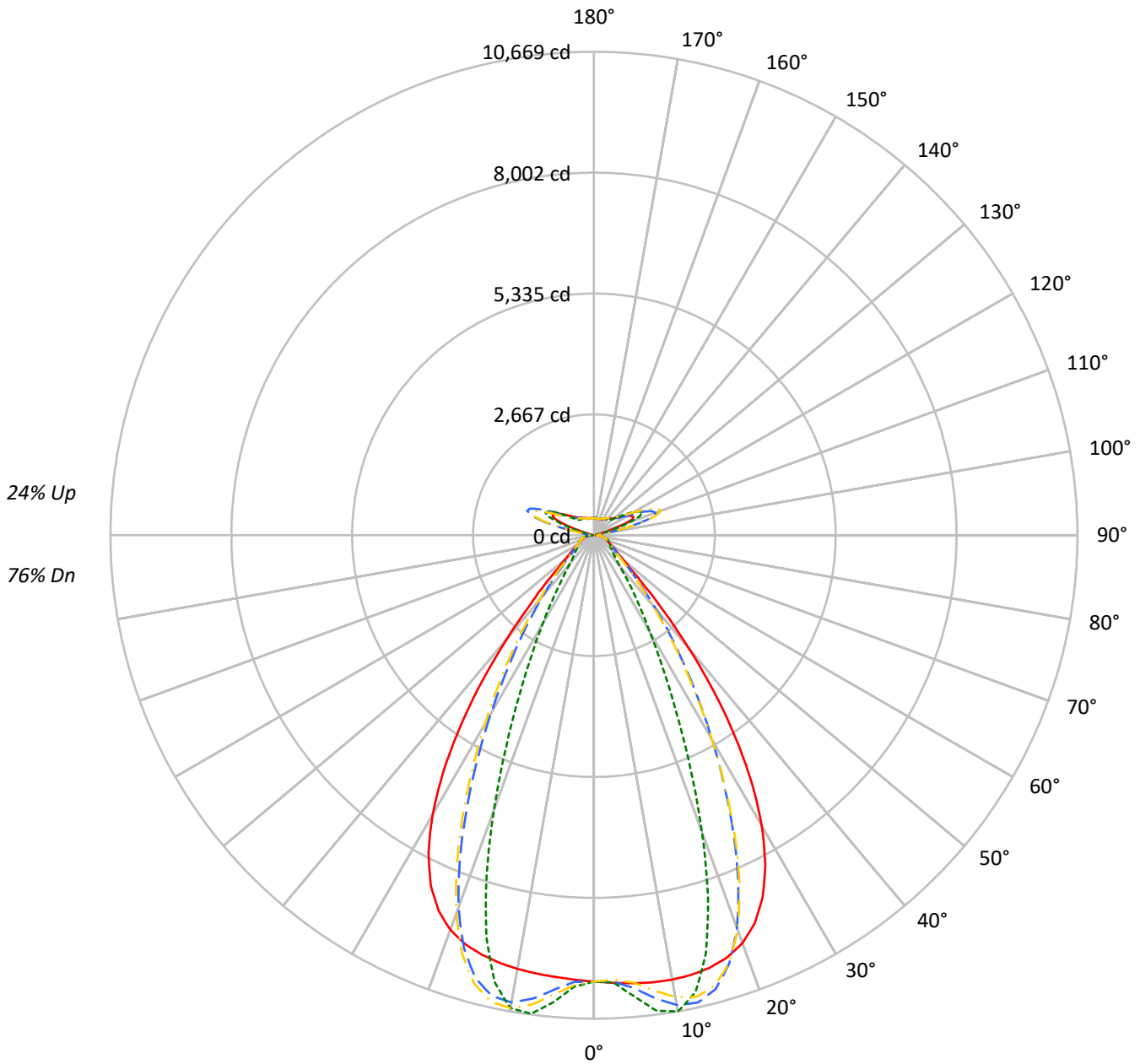
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14823.1 lumens
Efficiency: N/A
Efficacy: 159.2 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): 93.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1444863
CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL36

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				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	113	113	113	113	108	108	108	108	98	98	98	89	89	89	80	80	80	80	80	80	76
1	106	102	99	96	101	98	95	93	90	87	86	82	80	79	75	74	73	75	74	73	69
2	99	93	88	84	94	89	85	81	82	79	76	75	73	71	69	67	66	69	67	66	63
3	93	85	79	74	88	82	76	72	75	71	68	70	66	64	65	62	60	65	62	60	57
4	87	78	71	66	83	75	69	64	70	65	61	65	61	58	60	57	55	60	57	55	52
5	81	72	65	60	78	69	63	58	65	60	56	60	56	53	56	53	50	56	53	50	48
6	76	66	59	54	73	64	58	53	60	55	51	56	52	49	53	49	47	53	49	47	45
7	72	61	55	50	69	60	53	49	56	51	47	53	48	45	50	46	43	50	46	43	41
8	68	57	50	46	65	56	49	45	52	47	43	50	45	42	47	43	40	47	43	40	38
9	64	53	47	42	62	52	46	42	49	44	40	47	42	39	44	40	38	44	40	38	36
10	61	50	44	39	59	49	43	39	46	41	38	44	40	36	42	38	35	42	38	35	34

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	6.5
10°-20°	2730.4	18.4
20°-30°	3109.7	21.0
30°-40°	2235.1	15.1
40°-50°	1030.8	7.0
50°-60°	493.3	3.3
60°-70°	359.9	2.4
70°-80°	273.4	1.8
80°-90°	130.4	0.9
90°-100°	94.1	0.6
100°-110°	599.2	4.0
110°-120°	1108.2	7.5
120°-130°	662.7	4.5
130°-140°	406.2	2.7
140°-150°	285.4	1.9
150°-160°	188.7	1.3
160°-170°	108.7	0.7
170°-180°	36.2	0.2
0°-30°	6810.6	45.9
0°-40°	9045.7	61.0
0°-60°	10569.8	71.3
0°-90°	11333.6	76.5
90°-120°	1801.5	12.2
90°-150°	3155.8	21.3
90°-180°	3489.0	23.5
0°-180°	14823.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	9848	9848	9848	9848	9848	
5°	9923	10212	9784	10346	9923	948
15°	9880	9550	9579	9165	9880	2784
25°	8809	4283	8518	3886	8809	3993
35°	5443	1484	5130	1315	5443	3341
45°	1564	639	1539	629	1564	1331
55°	587	449	565	445	587	542
65°	360	370	346	358	360	360
75°	254	278	240	265	254	264
85°	121	145	98	124	121	114
90°	52	61	29	31	52	30
95°	44	49	44	49	44	42
105°	210	276	138	276	210	281
115°	960	1178	1006	1178	960	885
125°	700	756	796	757	700	638
135°	522	482	564	483	522	408
145°	439	443	470	445	439	278
155°	392	402	421	403	392	183
165°	375	380	390	381	375	107
175°	375	380	383	380	375	36
180°	379	379	379	379	379	



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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°	52.0	55.2	57.1	60.6	62.5	65.7	67.5	71.0	72.9	76.4	79.9
92.5°	37.8	40.6	43.2	46.1	48.8	51.8	54.6	57.5	60.2	63.2	68.8
95°	43.5	46.6	49.8	53.0	56.1	59.4	62.5	65.7	68.8	72.0	81.3
97.5°	55.1	57.9	60.6	63.4	66.1	68.8	71.5	74.3	77.0	79.8	90.8
100°	72.5	74.8	77.1	79.4	81.8	84.1	86.4	88.7	91.1	93.4	113.8
102.5°	122.3	130.5	138.7	147.0	155.2	163.4	171.6	179.9	188.1	196.3	239.7
105°	210.2	232.5	254.9	277.2	299.6	322.0	344.4	366.7	389.1	411.5	482.0
107.5°	362.8	404.1	445.5	486.9	528.3	569.6	611.1	652.4	693.8	735.1	806.7
110°	675.3	708.5	741.9	775.2	808.5	842.0	875.3	908.5	941.8	975.2	1027.5



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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°	911.9	927.1	942.2	957.4	972.5	987.6	1002.7	1017.8	1033.0	1048.1	1085.7
115°	960.5	965.9	971.3	976.7	982.2	987.6	993.0	998.4	1003.8	1009.1	1034.6
117.5°	929.5	928.6	928.0	927.3	926.5	925.8	925.0	924.3	923.5	922.7	937.2
120°	862.5	858.2	853.9	849.5	845.1	840.8	836.4	832.0	827.6	823.1	829.5
122.5°	778.5	773.4	768.2	763.0	757.7	752.5	747.2	741.9	736.6	731.4	734.2
125°	700.5	695.2	690.1	684.8	679.5	674.2	669.0	663.6	658.3	652.9	654.7
127.5°	632.0	628.5	624.9	621.3	617.7	614.1	610.3	606.7	603.1	599.4	600.1
130°	586.3	583.1	580.0	576.9	573.6	570.4	567.1	564.0	560.7	557.4	558.6
132.5°	548.3	546.3	544.2	542.0	539.8	537.6	535.4	533.1	530.9	528.8	530.1
135°	521.7	519.8	518.0	515.9	514.0	512.0	510.0	507.9	505.9	503.8	505.3
137.5°	498.7	497.1	495.4	493.6	491.9	490.1	488.3	486.5	484.6	482.8	484.3
140°	477.8	476.3	474.8	473.2	471.6	470.1	468.5	466.8	465.2	463.5	465.4
142.5°	454.6	453.6	452.6	451.4	450.3	449.0	447.8	446.6	445.4	444.2	446.4
145°	438.9	438.1	437.2	436.3	435.4	434.5	433.5	432.5	431.5	430.6	433.0
147.5°	425.0	424.3	423.8	423.0	422.5	421.6	421.0	420.1	419.5	418.7	420.9
150°	412.8	412.2	411.7	410.9	410.3	409.6	408.9	408.2	407.5	406.7	409.0
152.5°	400.4	399.8	399.3	398.6	398.0	397.3	396.7	395.9	395.2	394.5	396.5
155°	392.0	391.3	390.8	390.1	389.6	388.8	388.2	387.5	386.9	386.1	387.8
157.5°	385.6	385.2	384.9	384.4	384.0	383.5	383.2	382.6	382.2	381.9	383.1
160°	381.3	380.9	380.6	380.1	379.6	379.3	378.9	378.3	378.0	377.6	378.7
162.5°	377.0	376.7	376.2	375.8	375.5	374.9	374.5	374.2	373.7	373.2	374.5
165°	374.6	374.4	374.2	374.1	373.9	373.7	373.5	373.3	373.1	372.9	373.8
167.5°	375.9	375.5	375.2	374.8	374.4	374.1	373.7	373.3	372.9	372.5	373.4
170°	375.1	374.9	374.8	374.7	374.5	374.4	374.3	374.2	374.0	373.9	374.6
172.5°	375.9	375.7	375.6	375.6	375.5	375.4	375.3	375.2	375.1	375.0	375.7
175°	374.7	374.5	374.5	374.4	374.3	374.3	374.2	374.2	374.2	374.1	374.6
177.5°	376.9	376.8	376.8	376.8	376.8	376.8	376.8	376.7	376.7	376.7	377.1
180°	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2



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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°	84.7	88.4	93.1	96.0	100.1	102.7	95.2	96.8	93.5	91.6	87.9
92.5°	74.3	79.8	85.4	91.0	96.5	102.1	106.5	111.7	105.8	99.9	94.1
95°	90.6	99.9	109.2	118.5	127.8	137.0	146.3	155.6	147.0	138.3	129.5
97.5°	101.7	112.7	123.7	134.7	145.7	156.6	167.6	178.6	169.3	159.9	150.6
100°	134.3	154.8	175.2	195.7	216.2	236.6	257.2	277.6	259.7	241.7	223.6
102.5°	283.2	326.8	370.3	413.6	457.1	500.7	544.2	587.7	546.5	505.3	464.0
105°	552.5	623.0	693.5	763.9	834.3	904.9	975.5	1045.9	980.0	914.1	848.2
107.5°	878.2	949.6	1021.2	1092.6	1164.3	1235.7	1307.4	1379.0	1314.7	1250.4	1186.2
110°	1079.7	1132.0	1184.3	1236.6	1288.9	1341.2	1393.7	1446.0	1407.4	1369.0	1330.4



TEST NUMBER: P1444863
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL36

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	1123.0	1160.6	1198.1	1235.5	1272.9	1310.4	1348.2	1385.8	1366.6	1347.5	1328.4
115°	1060.0	1085.5	1110.8	1136.2	1161.7	1187.0	1212.8	1238.3	1232.5	1226.5	1220.8
117.5°	951.6	965.9	980.4	994.8	1009.1	1023.4	1038.4	1052.9	1054.4	1055.8	1057.4
120°	835.9	842.2	848.7	855.0	861.3	867.6	874.6	881.0	886.7	892.3	898.1
122.5°	736.9	739.6	742.3	745.1	747.8	750.4	753.8	756.8	760.9	765.0	769.2
125°	656.2	657.9	659.6	661.3	662.7	664.5	666.9	668.7	669.5	670.3	671.1
127.5°	601.0	601.8	602.5	603.4	604.1	604.9	606.5	607.5	605.9	604.4	602.7
130°	559.8	560.9	562.1	563.2	564.4	565.6	567.7	569.1	565.8	562.5	559.3
132.5°	531.5	532.8	534.1	535.6	536.9	538.3	540.7	542.2	538.4	534.5	530.6
135°	506.9	508.5	510.1	511.7	513.2	514.9	517.6	519.4	515.8	511.9	508.3
137.5°	485.8	487.4	489.1	490.7	492.2	493.8	496.7	498.6	495.8	492.8	490.0
140°	467.1	468.9	470.7	472.5	474.3	476.3	479.2	481.4	479.3	477.0	474.9
142.5°	448.6	450.9	453.1	455.5	457.7	460.0	463.6	466.1	464.6	463.2	461.7
145°	435.3	437.9	440.3	442.9	445.3	447.9	451.8	454.7	453.9	453.0	452.2
147.5°	423.1	425.4	427.7	430.0	432.3	434.8	438.6	441.3	441.0	440.6	440.1
150°	411.1	413.5	415.8	418.1	420.5	422.9	427.1	429.9	429.5	429.3	428.8
152.5°	398.7	400.7	402.9	405.0	407.1	409.4	413.8	416.5	416.2	415.7	415.4
155°	389.5	391.2	392.9	394.6	396.4	398.1	402.5	404.8	404.7	404.6	404.4
157.5°	384.4	385.7	386.9	388.2	389.5	390.9	395.0	397.0	396.9	396.7	396.6
160°	379.6	380.8	381.8	382.9	383.9	385.1	389.1	391.0	390.9	390.7	390.6
162.5°	375.8	377.2	378.4	379.6	381.0	382.3	386.6	388.6	388.4	388.1	387.7
165°	374.7	375.5	376.4	377.4	378.2	379.2	382.9	384.5	384.4	384.3	384.2
167.5°	374.3	375.3	376.2	377.0	378.1	379.0	382.5	384.1	384.0	383.9	383.8
170°	375.3	376.0	376.8	377.6	378.3	379.2	382.1	383.3	383.1	382.8	382.4
172.5°	376.5	377.3	378.1	378.9	379.6	380.5	383.0	384.3	384.0	383.8	383.4
175°	375.3	375.7	376.4	377.0	377.6	378.1	380.2	381.1	381.0	381.0	380.9
177.5°	377.5	377.9	378.2	378.7	379.1	379.5	380.8	381.4	381.4	381.4	381.3
180°	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2



TEST NUMBER: P1444863
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL36

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°	85.5	81.9	80.2	77.2	76.1	73.3	72.6	70.1	69.6	67.8	67.8
92.5°	88.1	82.2	76.3	70.4	64.5	58.7	55.7	53.1	50.3	47.8	44.8
95°	120.9	112.2	103.6	94.9	86.2	77.6	74.4	71.3	68.1	64.9	61.7
97.5°	141.3	132.0	122.7	113.4	104.1	94.8	92.6	90.6	88.5	86.3	84.3
100°	205.7	187.8	169.8	151.7	133.8	115.9	114.2	112.5	110.8	109.2	107.4
102.5°	422.8	381.6	340.4	299.2	258.0	216.8	209.6	202.5	195.2	188.1	180.9
105°	782.2	716.3	650.5	584.5	518.6	452.8	433.2	413.4	393.8	374.1	354.5
107.5°	1121.9	1057.7	993.5	929.2	865.0	800.7	769.7	738.6	707.5	676.5	645.4
110°	1291.8	1253.4	1214.9	1176.3	1137.9	1099.4	1069.8	1040.2	1010.5	981.0	951.4



TEST NUMBER: P1444863
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL36

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	1309.2	1290.1	1271.0	1251.9	1232.8	1213.7	1199.2	1184.9	1170.5	1156.1	1141.6
115°	1214.8	1209.0	1203.0	1197.3	1191.4	1185.5	1184.7	1183.8	1182.9	1182.0	1181.1
117.5°	1058.8	1060.3	1061.8	1063.5	1065.0	1066.4	1074.3	1082.3	1090.2	1098.1	1106.2
120°	903.7	909.3	915.1	920.8	926.4	932.2	942.8	953.5	964.1	974.8	985.5
122.5°	773.4	777.5	781.7	785.9	790.0	794.2	804.8	815.5	826.1	836.7	847.4
125°	671.7	672.6	673.3	674.0	674.8	675.6	684.5	693.2	702.1	711.1	720.0
127.5°	601.1	599.6	597.9	596.3	594.7	593.1	598.5	604.1	609.5	615.0	620.6
130°	556.0	552.7	549.3	546.1	542.8	539.5	542.0	544.5	547.0	549.5	552.0
132.5°	526.6	522.7	518.7	514.7	510.8	506.9	507.4	507.9	508.5	509.1	509.8
135°	504.6	500.9	497.2	493.5	489.6	486.0	485.5	485.0	484.4	484.0	483.5
137.5°	487.2	484.3	481.4	478.6	475.6	472.8	471.8	470.9	469.9	469.1	468.2
140°	472.6	470.5	468.2	466.0	463.7	461.7	460.8	460.2	459.4	458.8	458.1
142.5°	460.1	458.5	457.0	455.5	454.0	452.4	451.6	451.0	450.2	449.7	448.9
145°	451.4	450.4	449.5	448.8	447.8	447.0	446.4	446.0	445.5	445.1	444.7
147.5°	439.7	439.3	438.9	438.4	438.0	437.6	437.3	437.1	436.9	436.8	436.5
150°	428.3	427.9	427.6	427.1	426.7	426.4	426.3	426.3	426.4	426.5	426.4
152.5°	415.0	414.6	414.2	413.9	413.4	413.0	413.0	413.2	413.2	413.2	413.3
155°	404.3	404.2	404.0	403.8	403.6	403.4	403.3	403.1	403.0	402.8	402.6
157.5°	396.5	396.4	396.2	396.1	395.9	395.7	395.5	395.4	395.2	395.2	395.0
160°	390.4	390.3	390.1	390.0	389.9	389.8	389.4	389.0	388.6	388.3	387.9
162.5°	387.3	387.0	386.7	386.3	386.0	385.7	385.5	385.3	385.1	385.0	384.8
165°	384.0	383.9	383.7	383.5	383.4	383.4	383.0	382.6	382.2	381.9	381.5
167.5°	383.6	383.5	383.4	383.3	383.1	383.0	382.7	382.2	381.9	381.6	381.1
170°	382.1	381.8	381.6	381.1	380.8	380.5	380.2	379.8	379.5	379.2	378.7
172.5°	383.2	382.9	382.6	382.2	382.0	381.7	381.4	381.0	380.8	380.5	380.1
175°	380.8	380.8	380.8	380.7	380.7	380.6	380.5	380.5	380.4	380.4	380.3
177.5°	381.3	381.3	381.3	381.2	381.2	381.2	380.9	380.8	380.5	380.2	380.0
180°	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2



TEST NUMBER: P1444863
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL36

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°	65.7	65.0	62.3	60.8	61.3	63.4	63.1	64.3	63.1	63.9	63.0
92.5°	42.2	39.3	36.6	33.8	36.8	39.3	42.3	44.8	47.7	50.3	53.1
95°	58.5	55.4	52.2	49.1	51.6	54.2	56.7	59.2	61.8	64.3	66.8
97.5°	82.1	80.0	78.0	75.8	77.3	78.8	80.3	81.8	83.2	84.6	86.2
100°	105.7	104.1	102.4	100.7	100.7	100.7	100.7	100.7	100.7	100.7	100.7
102.5°	173.7	166.5	159.3	152.2	157.0	161.9	166.8	171.6	176.4	181.3	186.3
105°	334.8	315.2	295.5	275.9	294.9	313.9	332.9	351.9	370.9	389.9	409.0
107.5°	614.3	583.3	552.3	521.2	555.9	590.5	625.1	659.8	694.3	729.0	763.7
110°	921.9	892.2	862.7	833.1	869.8	906.6	943.3	980.1	1016.8	1053.6	1090.4



TEST NUMBER: P1444863
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CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	1127.3	1112.9	1098.6	1084.2	1107.9	1131.5	1155.2	1178.9	1202.6	1226.2	1249.9
115°	1180.3	1179.4	1178.6	1177.7	1188.9	1200.1	1211.3	1222.5	1233.8	1245.0	1256.3
117.5°	1114.1	1122.1	1130.2	1138.2	1141.8	1145.3	1148.9	1152.6	1156.2	1159.8	1163.5
120°	996.2	1006.9	1017.7	1028.4	1026.9	1025.5	1024.0	1022.5	1021.3	1019.8	1018.5
122.5°	858.1	868.8	879.6	890.4	887.2	884.1	880.9	877.7	874.7	871.5	868.5
125°	729.1	738.1	747.0	756.1	753.0	749.8	746.6	743.6	740.5	737.4	734.5
127.5°	626.1	631.8	637.5	643.0	641.6	640.1	638.7	637.3	636.0	634.6	633.3
130°	554.6	557.3	559.9	562.6	563.0	563.4	563.9	564.4	565.0	565.6	566.1
132.5°	510.5	511.2	511.9	512.7	514.4	516.0	517.9	519.7	521.5	523.3	525.3
135°	483.2	482.8	482.5	482.2	484.7	487.2	489.8	492.4	495.1	497.8	500.7
137.5°	467.3	466.6	465.9	465.1	467.6	470.1	472.8	475.3	478.0	480.7	483.6
140°	457.5	456.8	456.5	455.8	458.3	460.9	463.4	466.0	468.8	471.5	474.2
142.5°	448.4	447.7	447.3	446.7	449.0	451.4	453.8	456.1	458.6	461.0	463.5
145°	444.3	443.9	443.6	443.3	444.9	446.5	448.4	450.2	451.9	453.7	455.6
147.5°	436.4	436.2	436.1	436.0	437.3	438.5	439.8	441.1	442.4	443.8	445.3
150°	426.6	426.6	426.6	426.8	427.6	428.4	429.3	430.1	431.1	431.9	433.0
152.5°	413.4	413.4	413.6	413.7	414.5	415.3	416.2	416.9	417.8	418.7	419.6
155°	402.6	402.4	402.3	402.2	402.6	403.0	403.4	403.7	404.2	404.5	405.0
157.5°	394.9	394.7	394.7	394.5	394.6	394.8	395.0	395.1	395.3	395.4	395.6
160°	387.7	387.3	386.9	386.6	387.0	387.3	387.7	387.9	388.4	388.6	389.0
162.5°	384.7	384.6	384.5	384.3	384.3	384.1	384.0	383.9	383.8	383.7	383.7
165°	381.2	380.8	380.5	380.1	380.2	380.3	380.5	380.6	380.7	380.8	380.9
167.5°	380.8	380.5	380.1	379.7	379.5	379.2	378.9	378.5	378.3	378.1	377.8
170°	378.4	378.1	377.8	377.5	377.4	377.3	377.3	377.1	377.1	377.1	377.1
172.5°	379.8	379.5	379.2	378.9	378.8	378.8	378.7	378.7	378.6	378.6	378.6
175°	380.2	380.2	380.1	380.0	379.8	379.6	379.4	379.2	379.0	378.7	378.4
177.5°	379.8	379.5	379.3	379.1	379.1	379.1	379.1	379.1	379.1	379.0	379.0
180°	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2



TEST NUMBER: P1444863
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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°	64.3	63.7	66.4	67.7	70.7	72.1	75.5	77.5	81.0	83.0	86.6
92.5°	55.7	58.5	63.6	68.8	73.8	78.8	83.9	89.0	94.0	99.1	104.2
95°	69.4	71.9	78.7	85.4	92.2	99.0	105.7	112.5	119.3	126.0	132.8
97.5°	87.7	89.2	96.0	102.7	109.4	116.2	122.9	129.8	136.6	143.3	150.1
100°	100.7	100.8	120.0	139.3	158.4	177.6	196.9	216.1	235.3	254.6	273.8
102.5°	191.1	196.0	244.5	293.1	341.6	390.2	438.9	487.5	536.0	584.7	633.3
105°	427.9	447.0	521.1	595.4	669.4	743.6	817.7	891.9	966.0	1040.2	1114.4
107.5°	798.3	833.0	899.9	966.9	1033.8	1100.9	1167.9	1234.9	1301.9	1368.9	1435.9
110°	1127.2	1163.9	1208.8	1253.6	1298.4	1343.3	1388.0	1432.9	1477.8	1522.6	1567.6



TEST NUMBER: P1444863
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL36

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	1273.5	1297.3	1323.3	1349.4	1375.5	1401.5	1427.6	1453.6	1479.8	1505.8	1532.0
115°	1267.5	1278.7	1288.7	1298.8	1308.7	1318.8	1328.9	1339.0	1349.1	1359.1	1369.2
117.5°	1167.2	1170.9	1172.3	1173.7	1175.1	1176.4	1177.9	1179.3	1180.8	1182.3	1183.7
120°	1017.0	1015.6	1013.7	1011.7	1009.9	1007.9	1006.0	1004.1	1002.2	1000.4	998.5
122.5°	865.5	862.5	860.5	858.6	856.7	854.9	853.0	851.2	849.4	847.5	845.7
125°	731.5	728.5	729.5	730.7	731.8	732.9	734.0	735.2	736.3	737.4	738.6
127.5°	632.0	630.8	634.1	637.7	641.1	644.5	648.1	651.7	655.1	658.6	662.1
130°	566.9	567.4	572.0	576.5	581.1	585.6	590.3	594.8	599.4	603.9	608.6
132.5°	527.2	529.2	533.4	537.8	542.2	546.6	551.0	555.3	559.7	564.2	568.4
135°	503.4	506.2	510.2	514.0	518.0	522.0	525.9	529.9	533.8	537.8	541.7
137.5°	486.3	489.1	492.2	495.2	498.3	501.4	504.5	507.6	510.6	513.7	516.8
140°	477.0	479.9	481.4	483.0	484.5	486.1	487.7	489.3	490.8	492.3	493.9
142.5°	466.0	468.6	469.5	470.5	471.2	472.3	473.2	474.1	474.9	475.8	476.7
145°	457.4	459.4	459.1	459.0	458.7	458.6	458.3	458.2	457.9	457.8	457.5
147.5°	446.6	448.1	447.6	447.2	446.7	446.2	445.8	445.3	444.8	444.3	443.8
150°	433.8	434.8	434.1	433.4	432.7	431.9	431.1	430.4	429.6	429.0	428.2
152.5°	420.4	421.4	420.5	419.8	419.0	418.3	417.5	416.7	416.0	415.1	414.5
155°	405.4	405.8	405.4	405.1	404.6	404.3	403.8	403.5	403.1	402.8	402.4
157.5°	395.8	396.0	395.8	395.5	395.2	395.2	394.9	394.7	394.6	394.4	394.3
160°	389.3	389.8	389.5	389.2	389.0	388.8	388.6	388.5	388.4	388.2	388.1
162.5°	383.6	383.5	383.4	383.2	382.9	382.7	382.6	382.5	382.2	382.1	382.1
165°	381.1	381.3	380.8	380.5	380.0	379.6	379.3	379.0	378.6	378.3	378.0
167.5°	377.5	377.3	377.3	377.4	377.4	377.4	377.5	377.6	377.7	377.8	377.9
170°	377.0	377.1	376.8	376.8	376.5	376.3	376.1	376.0	375.8	375.6	375.5
172.5°	378.6	378.6	378.1	377.8	377.3	376.9	376.5	376.2	375.7	375.4	374.9
175°	378.2	378.1	377.9	377.6	377.4	377.1	376.8	376.7	376.5	376.2	376.0
177.5°	379.0	378.9	378.8	378.8	378.8	378.8	378.8	378.7	378.7	378.7	378.6
180°	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2



TEST NUMBER: P1444863
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL36

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°	81.4	77.9	72.7	69.2	64.2	60.1	54.7	50.8	45.6	44.0	41.4
92.5°	98.5	92.7	87.2	81.3	75.7	70.0	64.3	58.5	52.9	50.9	49.1
95°	124.5	116.3	108.1	99.9	91.6	83.4	75.2	67.0	58.7	57.0	55.4
97.5°	140.4	130.6	121.0	111.2	101.6	91.8	82.2	72.5	62.8	61.8	60.7
100°	251.4	229.1	206.7	184.3	162.0	139.6	117.3	95.0	72.6	71.3	70.1
102.5°	579.0	524.9	470.6	416.3	362.1	307.8	253.6	199.3	145.1	137.3	129.5
105°	1032.3	950.2	868.2	786.1	703.9	621.8	539.7	457.6	375.5	349.2	322.8
107.5°	1358.6	1281.4	1204.3	1127.1	1049.8	972.6	895.5	818.2	740.9	694.5	648.1
110°	1506.2	1444.8	1383.5	1322.2	1260.8	1199.5	1138.1	1076.7	1015.3	975.2	935.2



TEST NUMBER: P1444863
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL36

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	1487.0	1441.8	1396.8	1351.8	1306.7	1261.6	1216.6	1171.4	1126.4	1101.9	1077.6
115°	1342.0	1314.7	1287.5	1260.1	1232.8	1205.4	1178.2	1150.8	1123.5	1110.5	1097.5
117.5°	1169.7	1155.4	1141.3	1127.1	1113.0	1098.8	1084.6	1070.3	1056.2	1051.6	1046.7
120°	994.0	989.3	984.6	980.0	975.4	970.7	966.0	961.4	956.7	956.9	957.1
122.5°	846.8	847.9	849.0	850.0	851.3	852.3	853.4	854.4	855.4	858.4	861.4
125°	742.1	745.5	749.0	752.4	755.8	759.3	762.7	766.1	769.5	772.5	775.4
127.5°	666.1	669.9	673.9	677.6	681.6	685.4	689.3	693.0	696.9	699.5	702.2
130°	611.9	615.2	618.3	621.6	624.9	628.2	631.3	634.6	637.8	639.7	641.5
132.5°	571.2	574.1	577.1	579.8	582.6	585.4	588.4	591.2	594.1	595.2	596.4
135°	543.7	545.6	547.6	549.6	551.7	553.6	555.6	557.7	559.6	560.2	560.8
137.5°	518.4	519.8	521.5	523.1	524.6	526.2	527.8	529.3	531.0	530.8	530.9
140°	495.7	497.4	499.1	500.9	502.7	504.4	506.3	508.0	509.9	509.8	509.8
142.5°	477.9	479.2	480.5	481.7	483.2	484.4	485.7	487.2	488.5	488.4	488.4
145°	459.2	460.8	462.5	464.2	465.9	467.5	469.4	471.2	473.0	472.6	472.4
147.5°	445.2	446.6	448.1	449.6	451.1	452.6	454.2	455.6	457.3	456.9	456.7
150°	429.9	431.5	433.1	434.7	436.3	438.1	439.7	441.5	443.4	443.5	443.6
152.5°	416.2	418.0	419.8	421.6	423.6	425.5	427.5	429.3	431.3	431.4	431.6
155°	404.2	405.9	407.9	409.7	411.6	413.5	415.5	417.4	419.3	419.6	419.9
157.5°	395.9	397.5	399.1	400.8	402.4	404.1	405.8	407.5	409.2	409.5	409.6
160°	389.6	390.9	392.4	393.9	395.2	396.7	398.2	399.6	401.1	401.4	401.6
162.5°	383.5	384.9	386.4	387.7	389.2	390.6	392.1	393.5	395.0	395.2	395.4
165°	379.0	379.9	380.9	381.9	383.0	384.0	385.0	386.0	387.1	387.3	387.7
167.5°	378.7	379.4	380.1	380.8	381.7	382.4	383.2	383.9	384.7	385.1	385.5
170°	376.3	377.0	377.6	378.4	379.2	379.9	380.6	381.3	382.1	382.4	382.9
172.5°	375.5	375.8	376.4	376.8	377.3	377.8	378.3	378.8	379.4	379.9	380.3
175°	376.2	376.5	376.8	376.9	377.2	377.5	377.7	378.1	378.3	378.8	379.2
177.5°	378.8	379.0	379.3	379.5	379.7	379.9	380.3	380.5	380.7	381.3	382.0
180°	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2



TEST NUMBER: P1444863
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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°	40.0	37.5	36.1	33.7	32.2	30.2	28.8	30.0	31.4	32.7	34.1
92.5°	47.2	45.2	43.4	41.4	39.6	37.6	35.8	37.6	39.6	41.4	43.4
95°	53.6	51.9	50.3	48.6	46.8	45.2	43.5	45.2	46.8	48.7	50.4
97.5°	59.6	58.5	57.5	56.4	55.4	54.3	53.2	54.3	55.4	56.4	57.5
100°	68.8	67.5	66.2	64.9	63.6	62.4	61.1	62.5	63.7	65.0	66.3
102.5°	121.7	113.9	106.0	98.2	90.4	82.6	74.8	82.6	90.4	98.3	106.1
105°	296.4	270.0	243.5	217.1	190.7	164.4	138.0	164.5	190.8	217.2	243.6
107.5°	601.6	555.2	508.8	462.3	415.9	369.4	323.0	369.5	416.0	462.4	508.9
110°	895.1	855.0	814.9	774.9	734.7	694.6	654.5	694.6	734.7	774.9	815.0



TEST NUMBER: P1444863
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL36

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	1053.1	1028.6	1004.2	979.8	955.2	930.9	906.4	930.9	955.3	979.9	1004.4
115°	1084.5	1071.5	1058.5	1045.5	1032.4	1019.4	1006.3	1019.5	1032.6	1045.7	1058.8
117.5°	1042.0	1037.3	1032.5	1027.8	1023.0	1018.2	1013.4	1018.3	1023.2	1028.1	1032.9
120°	957.2	957.4	957.5	957.6	957.8	957.9	958.0	958.0	958.0	958.0	958.0
122.5°	864.4	867.2	870.1	873.0	876.0	878.8	881.6	878.9	876.2	873.6	870.8
125°	778.4	781.5	784.5	787.3	790.2	793.2	796.0	793.4	790.7	787.9	785.1
127.5°	704.7	707.3	709.8	712.5	715.0	717.5	719.9	717.6	715.3	713.0	710.7
130°	643.2	645.1	646.7	648.5	650.2	651.9	653.4	652.1	650.6	649.2	647.5
132.5°	597.5	598.7	599.9	601.0	602.1	603.2	604.1	603.4	602.5	601.7	600.8
135°	561.4	561.8	562.5	563.0	563.4	563.9	564.2	564.2	563.9	563.7	563.4
137.5°	530.8	530.8	530.6	530.5	530.3	530.2	529.9	530.4	530.8	531.4	531.6
140°	509.6	509.7	509.5	509.4	509.3	509.2	508.8	509.4	509.8	510.3	510.5
142.5°	488.3	488.3	488.2	488.2	488.0	487.8	487.5	488.1	488.4	488.9	489.2
145°	472.2	471.9	471.5	471.2	470.9	470.4	469.9	470.7	471.3	471.9	472.5
147.5°	456.4	456.1	455.7	455.4	455.0	454.6	454.1	454.8	455.5	456.0	456.7
150°	443.7	443.7	443.8	443.9	443.8	443.8	443.7	444.0	444.3	444.6	444.8
152.5°	431.5	431.6	431.7	431.7	431.7	431.6	431.5	431.9	432.1	432.5	432.7
155°	420.1	420.3	420.5	420.7	420.9	421.1	421.3	421.4	421.4	421.5	421.6
157.5°	409.8	410.1	410.3	410.5	410.7	410.9	411.0	411.2	411.3	411.5	411.5
160°	401.7	402.0	402.1	402.4	402.6	402.8	402.9	403.0	403.2	403.3	403.4
162.5°	395.6	395.8	395.9	396.2	396.3	396.5	396.6	396.8	397.0	397.1	397.2
165°	388.2	388.6	388.9	389.3	389.8	390.1	390.4	390.4	390.3	390.2	390.1
167.5°	385.9	386.2	386.6	387.0	387.3	387.7	388.0	388.0	387.8	387.7	387.7
170°	383.2	383.4	383.9	384.2	384.6	384.9	385.2	385.1	384.9	384.9	384.8
172.5°	380.8	381.4	382.0	382.4	383.0	383.4	384.0	383.7	383.4	383.0	382.6
175°	379.7	380.2	380.7	381.1	381.6	382.1	382.6	382.1	382.0	381.5	381.2
177.5°	382.7	383.4	384.0	384.7	385.3	386.0	386.7	386.0	385.4	384.8	384.2
180°	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2



TEST NUMBER: P1444863
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL36

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°	35.4	36.8	38.1	39.6	41.2	44.9	48.6	52.3	56.2	59.8	63.6
92.5°	45.2	47.2	49.1	51.0	52.9	58.5	64.3	70.0	75.8	81.4	87.2
95°	52.0	53.7	55.5	57.2	58.9	67.2	75.4	83.6	91.8	100.1	108.2
97.5°	58.6	59.7	60.8	61.9	62.9	72.6	82.3	92.0	101.7	111.4	121.2
100°	67.5	68.8	70.1	71.4	72.7	95.1	117.5	139.9	162.3	184.5	206.9
102.5°	114.0	121.8	129.6	137.5	145.3	199.6	253.8	308.1	362.3	416.6	470.9
105°	270.1	296.5	323.0	349.3	375.7	457.9	540.0	622.1	704.2	786.4	868.5
107.5°	555.3	601.8	648.3	694.8	741.2	818.5	895.8	973.0	1050.3	1127.5	1204.7
110°	855.2	895.2	935.4	975.6	1015.7	1077.0	1138.5	1200.0	1261.3	1322.8	1384.1



TEST NUMBER: P1444863
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CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	1028.9	1053.3	1077.9	1102.3	1126.8	1171.9	1217.1	1262.2	1307.4	1352.4	1397.5
115°	1071.8	1084.8	1097.9	1110.9	1124.0	1151.5	1178.9	1206.2	1233.6	1260.8	1288.3
117.5°	1037.7	1042.6	1047.3	1052.1	1056.9	1071.1	1085.4	1099.6	1113.9	1128.1	1142.3
120°	958.0	957.9	957.8	957.6	957.5	962.2	967.0	971.8	976.4	981.1	985.8
122.5°	867.9	865.1	862.2	859.3	856.5	855.4	854.4	853.4	852.5	851.3	850.2
125°	782.2	779.4	776.5	773.7	770.7	767.4	764.0	760.6	757.2	753.8	750.4
127.5°	708.3	705.8	703.3	700.8	698.3	694.4	690.7	686.8	683.1	679.2	675.4
130°	646.1	644.4	642.9	641.0	639.4	636.1	632.9	629.8	626.5	623.3	620.1
132.5°	599.8	598.8	597.8	596.7	595.7	592.9	590.2	587.2	584.4	581.6	578.9
135°	563.0	562.7	562.3	561.8	561.4	559.4	557.5	555.5	553.7	551.6	549.7
137.5°	532.0	532.2	532.5	532.6	532.8	531.3	529.8	528.2	526.7	525.2	523.6
140°	510.9	511.1	511.5	511.6	511.8	510.1	508.4	506.6	505.0	503.2	501.4
142.5°	489.6	489.8	490.1	490.3	490.6	489.3	488.0	486.8	485.6	484.2	483.0
145°	473.0	473.6	474.0	474.4	475.0	473.3	471.6	469.9	468.4	466.7	465.1
147.5°	457.3	457.8	458.2	458.8	459.4	457.9	456.6	455.1	453.7	452.3	451.0
150°	445.0	445.0	445.3	445.4	445.5	443.9	442.4	440.8	439.3	437.7	436.2
152.5°	432.9	433.1	433.3	433.4	433.6	431.9	430.2	428.5	426.7	424.9	423.2
155°	421.7	421.7	421.7	421.7	421.7	420.1	418.4	416.6	414.9	413.3	411.6
157.5°	411.6	411.7	411.8	411.8	411.9	410.4	408.9	407.4	405.9	404.4	403.0
160°	403.5	403.6	403.7	403.8	403.8	402.5	401.4	400.0	398.8	397.5	396.2
162.5°	397.3	397.5	397.5	397.6	397.7	396.4	395.2	393.9	392.6	391.3	390.1
165°	390.0	389.9	389.8	389.6	389.5	388.6	387.9	387.1	386.2	385.2	384.4
167.5°	387.5	387.3	387.3	387.1	387.0	386.3	385.8	385.1	384.5	383.8	383.2
170°	384.7	384.5	384.4	384.2	384.0	383.4	382.8	382.2	381.7	380.9	380.3
172.5°	382.3	382.0	381.6	381.3	380.8	380.4	380.0	379.5	379.3	378.8	378.4
175°	380.8	380.5	380.0	379.7	379.3	379.2	378.9	378.7	378.5	378.2	378.1
177.5°	383.6	383.1	382.4	381.8	381.2	381.0	380.8	380.6	380.5	380.3	380.1
180°	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2



TEST NUMBER: P1444863
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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°	67.5	74.1	77.9	74.8	70.8	67.6	63.7	60.7	56.9	53.9	50.1
92.5°	92.8	98.6	104.2	99.1	94.1	89.0	84.0	78.9	73.9	68.8	63.7
95°	116.5	124.6	132.9	126.1	119.3	112.5	105.7	99.0	92.3	85.5	78.8
97.5°	130.8	140.5	150.1	143.4	136.7	129.8	123.0	116.3	109.5	102.8	96.1
100°	229.3	251.6	273.9	254.7	235.4	216.3	197.1	177.7	158.5	139.4	120.1
102.5°	525.0	579.2	633.4	584.8	536.2	487.6	439.0	390.4	341.8	293.2	244.6
105°	950.6	1032.5	1114.6	1040.3	966.2	892.0	817.9	743.7	669.5	595.4	521.2
107.5°	1281.9	1358.9	1436.0	1369.0	1302.1	1235.1	1168.0	1101.1	1034.0	967.0	900.0
110°	1445.4	1506.6	1567.8	1522.8	1478.0	1433.1	1388.2	1343.4	1298.5	1253.7	1208.9



TEST NUMBER: P1444863
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CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	1442.5	1487.3	1532.2	1506.0	1480.0	1453.9	1427.8	1401.7	1375.6	1349.5	1323.5
115°	1315.5	1342.4	1369.5	1359.4	1349.3	1339.2	1329.1	1319.1	1308.9	1299.0	1289.0
117.5°	1156.5	1170.1	1184.2	1182.6	1181.2	1179.6	1178.2	1176.7	1175.3	1173.8	1172.5
120°	990.5	994.5	999.0	1000.7	1002.7	1004.5	1006.4	1008.3	1010.2	1012.0	1013.9
122.5°	849.2	847.4	846.1	848.0	849.9	851.5	853.5	855.2	857.2	859.0	860.9
125°	747.0	742.7	739.1	738.0	736.9	735.7	734.6	733.3	732.2	731.1	730.0
127.5°	671.6	666.9	662.7	659.3	655.8	652.2	648.8	645.2	641.7	638.2	634.8
130°	616.9	612.8	609.3	604.7	600.2	595.5	591.0	586.4	581.8	577.3	572.7
132.5°	576.1	572.2	569.3	564.9	560.6	556.2	551.8	547.4	543.2	538.6	534.3
135°	547.7	544.7	542.5	538.5	534.8	530.8	526.8	522.9	519.0	515.0	511.2
137.5°	522.1	519.5	517.7	514.6	511.7	508.5	505.6	502.5	499.5	496.2	493.4
140°	499.8	496.8	494.8	493.4	491.9	490.3	488.8	487.2	485.7	484.2	482.7
142.5°	481.7	479.1	477.7	476.8	476.0	475.1	474.4	473.5	472.5	471.7	470.9
145°	463.4	460.4	458.5	458.7	459.0	459.3	459.4	459.7	459.9	460.2	460.4
147.5°	449.5	446.6	444.9	445.4	446.0	446.4	447.0	447.4	447.9	448.4	448.9
150°	434.5	431.2	429.2	429.9	430.6	431.4	432.2	433.1	433.8	434.5	435.3
152.5°	421.4	417.5	415.2	416.0	416.8	417.5	418.4	419.1	420.0	420.8	421.6
155°	409.7	405.6	403.2	403.6	403.9	404.4	404.6	405.1	405.5	405.9	406.4
157.5°	401.4	397.3	395.2	395.2	395.4	395.5	395.7	396.0	396.2	396.4	396.7
160°	394.9	391.0	388.9	388.9	389.2	389.3	389.4	389.7	389.9	390.0	390.3
162.5°	388.7	384.9	382.9	383.0	383.1	383.3	383.4	383.4	383.6	383.9	384.1
165°	383.4	380.3	378.8	379.1	379.4	379.7	380.0	380.5	380.8	381.2	381.6
167.5°	382.6	379.8	378.6	378.5	378.3	378.2	378.2	378.1	378.1	378.1	378.1
170°	379.6	377.4	376.3	376.4	376.6	376.8	376.8	377.0	377.1	377.4	377.6
172.5°	377.9	376.3	375.5	375.9	376.3	376.8	377.1	377.5	377.9	378.3	378.7
175°	377.9	376.8	376.6	376.7	376.9	377.1	377.3	377.6	377.8	378.0	378.3
177.5°	379.8	379.5	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.3	379.3
180°	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2



TEST NUMBER: P1444863
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL36

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°	47.2	45.0	43.5	41.2	40.0	37.5	36.5	34.3	33.4	30.9	34.3
92.5°	58.6	55.8	53.1	50.4	47.7	44.9	42.2	39.4	36.7	33.9	36.7
95°	72.0	69.5	66.9	64.4	61.9	59.3	56.8	54.3	51.7	49.2	52.3
97.5°	89.3	87.8	86.3	84.8	83.3	81.9	80.5	79.0	77.5	76.0	78.1
100°	100.9	100.9	100.9	100.9	100.8	100.8	100.8	100.8	100.8	100.8	102.5
102.5°	196.0	191.2	186.4	181.4	176.5	171.7	166.9	161.9	157.1	152.3	159.4
105°	447.1	428.0	409.1	390.0	371.0	351.9	333.0	313.9	295.0	275.9	295.6
107.5°	833.1	798.4	763.8	729.2	694.4	659.9	625.2	590.5	556.0	521.3	552.4
110°	1164.0	1127.3	1090.5	1053.8	1016.9	980.2	943.4	906.7	869.9	833.2	862.8



TEST NUMBER: P1444863
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL36

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	1297.4	1273.6	1250.0	1226.2	1202.6	1179.0	1155.4	1131.7	1108.1	1084.4	1098.8
115°	1278.8	1267.7	1256.3	1245.2	1233.9	1222.7	1211.4	1200.2	1189.0	1177.8	1178.7
117.5°	1171.1	1167.3	1163.7	1160.0	1156.4	1152.8	1149.1	1145.5	1141.9	1138.4	1130.4
120°	1016.0	1017.3	1018.6	1020.1	1021.5	1022.9	1024.2	1025.6	1027.1	1028.6	1017.8
122.5°	862.8	865.7	868.8	871.9	874.9	878.1	881.2	884.3	887.5	890.6	879.9
125°	728.9	731.9	734.8	737.9	740.9	743.9	747.1	750.3	753.3	756.6	747.5
127.5°	631.3	632.6	633.8	635.1	636.4	637.8	639.2	640.6	642.1	643.7	638.0
130°	568.2	567.5	566.9	566.3	565.6	565.2	564.6	564.2	563.7	563.3	560.6
132.5°	530.0	528.0	526.2	524.1	522.3	520.5	518.7	517.0	515.2	513.6	512.8
135°	507.2	504.4	501.6	498.8	496.1	493.5	490.9	488.2	485.7	483.2	483.5
137.5°	490.2	487.5	484.7	481.9	479.1	476.5	473.9	471.2	468.7	466.3	467.1
140°	481.1	478.3	475.4	472.7	470.1	467.3	464.7	462.2	459.5	457.2	457.7
142.5°	469.9	467.4	464.8	462.4	459.9	457.5	455.1	452.8	450.4	448.2	448.8
145°	460.7	458.8	456.9	455.0	453.2	451.5	449.7	448.0	446.3	444.8	445.0
147.5°	449.4	448.0	446.6	445.2	443.8	442.6	441.2	439.9	438.7	437.5	437.6
150°	436.0	435.2	434.2	433.3	432.4	431.5	430.6	429.8	429.0	428.2	428.0
152.5°	422.4	421.5	420.6	419.8	418.9	418.1	417.3	416.5	415.8	414.9	414.8
155°	406.9	406.4	406.0	405.6	405.2	404.8	404.4	404.2	403.8	403.4	403.4
157.5°	396.9	396.7	396.5	396.5	396.3	396.1	395.9	395.9	395.6	395.6	395.7
160°	390.6	390.2	389.9	389.6	389.2	388.8	388.6	388.3	388.0	387.6	387.9
162.5°	384.3	384.5	384.5	384.6	384.7	384.7	384.8	384.9	385.0	385.2	385.3
165°	382.1	381.9	381.8	381.5	381.4	381.3	381.2	381.0	380.9	380.9	381.2
167.5°	378.1	378.2	378.4	378.7	378.9	379.2	379.5	379.8	380.0	380.4	380.7
170°	377.7	377.7	377.7	377.7	377.7	377.8	377.8	377.8	377.9	378.0	378.1
172.5°	379.2	379.2	379.1	379.2	379.1	379.2	379.2	379.2	379.2	379.3	379.5
175°	378.4	378.7	378.9	379.2	379.4	379.5	379.7	380.0	380.2	380.4	380.4
177.5°	379.3	379.3	379.3	379.3	379.3	379.4	379.4	379.4	379.4	379.3	379.5
180°	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2



TEST NUMBER: P1444863
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL36

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°	35.6	38.7	40.2	43.1	44.8	47.9	49.6	52.7	54.8	58.3	60.7
92.5°	39.4	42.2	44.9	47.7	50.4	53.1	55.8	58.6	64.6	70.3	76.4
95°	55.5	58.6	61.8	65.0	68.2	71.4	74.5	77.7	86.3	95.0	103.7
97.5°	80.2	82.3	84.5	86.5	88.6	90.8	92.8	95.0	104.2	113.5	122.8
100°	104.2	105.8	107.5	109.3	110.9	112.6	114.3	116.0	134.0	151.9	169.9
102.5°	166.6	173.8	181.0	188.1	195.4	202.6	209.8	216.9	258.1	299.3	340.5
105°	315.2	334.9	354.6	374.2	393.9	413.5	433.2	452.9	518.7	584.6	650.6
107.5°	583.4	614.4	645.5	676.7	707.7	738.7	769.8	800.9	865.1	929.4	993.6
110°	892.3	922.0	951.5	981.1	1010.7	1040.3	1069.9	1099.5	1138.1	1176.4	1215.0



TEST NUMBER: P1444863
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL36

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	1113.1	1127.5	1141.8	1156.3	1170.6	1185.1	1199.4	1213.9	1233.0	1252.1	1271.2
115°	1179.6	1180.4	1181.3	1182.2	1183.0	1184.0	1184.9	1185.8	1191.7	1197.5	1203.4
117.5°	1122.3	1114.4	1106.4	1098.4	1090.5	1082.6	1074.6	1066.8	1065.2	1063.7	1062.2
120°	1007.3	996.5	985.8	975.1	964.5	953.8	943.2	932.6	926.9	921.2	915.5
122.5°	869.2	858.4	847.8	837.1	826.4	815.9	805.4	794.8	790.6	786.4	782.3
125°	738.5	729.5	720.5	711.6	702.8	693.9	685.1	676.3	675.6	674.6	674.0
127.5°	632.4	626.8	621.3	615.7	610.2	604.9	599.4	594.0	595.7	597.1	598.8
130°	558.0	555.3	552.9	550.2	547.9	545.4	543.0	540.5	543.8	547.1	550.4
132.5°	512.1	511.5	510.8	510.1	509.5	509.1	508.5	508.0	512.0	515.8	519.8
135°	483.8	484.3	484.7	485.1	485.6	486.1	486.7	487.1	490.9	494.7	498.4
137.5°	467.9	468.6	469.5	470.3	471.2	472.1	473.1	474.0	476.9	479.8	482.7
140°	458.2	458.8	459.4	460.1	460.7	461.5	462.2	462.9	465.1	467.3	469.5
142.5°	449.2	449.8	450.4	451.1	451.7	452.4	453.0	453.8	455.4	456.8	458.4
145°	445.4	445.7	446.1	446.5	446.9	447.4	447.8	448.3	449.2	450.0	450.8
147.5°	437.7	437.8	438.0	438.2	438.4	438.6	438.8	439.0	439.4	439.7	440.3
150°	428.0	427.9	427.9	427.8	427.8	427.7	427.8	427.7	428.0	428.4	428.9
152.5°	414.8	414.7	414.6	414.4	414.4	414.4	414.2	414.2	414.6	415.0	415.4
155°	403.6	403.7	403.9	404.0	404.2	404.3	404.4	404.5	404.7	404.8	405.0
157.5°	395.8	395.9	396.1	396.2	396.4	396.5	396.5	396.7	396.9	397.0	397.1
160°	388.2	388.6	388.9	389.3	389.6	389.9	390.3	390.6	390.8	390.9	391.1
162.5°	385.5	385.6	385.8	385.9	386.0	386.1	386.2	386.4	386.8	387.1	387.4
165°	381.5	382.0	382.3	382.5	382.9	383.4	383.6	384.0	384.1	384.2	384.4
167.5°	381.0	381.3	381.7	382.1	382.4	382.7	383.2	383.4	383.5	383.6	383.8
170°	378.6	378.9	379.2	379.5	379.8	380.1	380.6	380.8	381.1	381.4	381.8
172.5°	379.8	380.0	380.3	380.6	380.8	381.1	381.5	381.8	382.1	382.3	382.6
175°	380.4	380.4	380.4	380.5	380.5	380.5	380.5	380.6	380.7	380.7	380.7
177.5°	379.6	379.9	380.1	380.3	380.5	380.8	380.9	381.1	381.1	381.1	381.1
180°	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2



TEST NUMBER: P1444863
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL36

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°	64.6	67.1	71.0	73.6	78.0	80.8	79.3	76.1	74.6	71.4	69.9
92.5°	82.1	88.2	94.0	100.0	105.8	111.8	106.3	100.8	95.3	89.8	84.4
95°	112.3	121.0	129.6	138.3	147.0	155.6	146.3	137.0	127.8	118.5	109.2
97.5°	132.1	141.4	150.7	160.0	169.3	178.6	167.6	156.6	145.7	134.8	123.8
100°	187.9	205.8	223.7	241.8	259.8	277.7	257.3	236.7	216.4	195.9	175.4
102.5°	381.8	422.9	464.1	505.4	546.6	587.8	544.3	500.9	457.3	413.8	370.3
105°	716.4	782.4	848.3	914.2	980.1	1046.1	975.7	905.1	834.6	764.2	693.7
107.5°	1057.9	1122.0	1186.4	1250.6	1314.9	1379.2	1307.7	1236.1	1164.6	1093.1	1021.6
110°	1253.6	1292.0	1330.6	1369.1	1407.6	1446.3	1393.9	1341.7	1289.4	1237.0	1184.8



TEST NUMBER: P1444863
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL36

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	1290.3	1309.5	1328.5	1347.8	1366.8	1386.1	1348.5	1311.2	1273.5	1236.2	1198.6
115°	1209.3	1215.1	1221.0	1226.9	1232.8	1238.7	1213.2	1187.9	1162.4	1137.0	1111.6
117.5°	1060.7	1059.3	1057.8	1056.3	1054.7	1053.3	1038.9	1024.5	1010.1	995.7	981.2
120°	909.9	904.2	898.5	892.9	887.2	881.5	875.2	868.8	862.5	856.1	849.7
122.5°	778.0	774.0	769.9	765.7	761.5	757.3	754.5	751.8	749.1	746.4	743.6
125°	673.3	672.5	671.7	671.0	670.2	669.4	667.8	666.1	664.4	662.7	661.0
127.5°	600.4	602.0	603.6	605.2	606.7	608.3	607.5	606.7	605.9	605.0	604.2
130°	553.7	557.0	560.3	563.5	566.7	570.0	568.8	567.6	566.3	565.1	564.0
132.5°	523.8	527.6	531.5	535.5	539.4	543.3	541.9	540.5	539.0	537.7	536.2
135°	502.0	505.8	509.4	513.1	516.8	520.4	518.8	517.1	515.5	513.9	512.3
137.5°	485.5	488.4	491.1	493.9	496.8	499.6	497.9	496.2	494.7	493.0	491.4
140°	471.7	473.8	476.0	478.2	480.4	482.5	480.5	478.8	476.8	475.0	473.1
142.5°	459.8	461.4	462.8	464.4	465.8	467.3	465.0	462.7	460.3	458.1	455.7
145°	451.7	452.6	453.4	454.2	455.0	455.9	453.2	450.8	448.1	445.6	443.0
147.5°	440.7	441.1	441.3	441.8	442.1	442.5	440.1	437.7	435.3	432.9	430.5
150°	429.2	429.6	429.9	430.3	430.6	430.9	428.5	426.1	423.6	421.2	418.8
152.5°	415.7	416.2	416.4	416.7	417.1	417.4	415.1	412.9	410.7	408.3	406.1
155°	405.1	405.3	405.4	405.5	405.6	405.7	403.8	401.9	400.2	398.2	396.4
157.5°	397.2	397.4	397.5	397.6	397.7	397.8	396.3	394.9	393.4	392.0	390.6
160°	391.2	391.2	391.3	391.4	391.5	391.6	390.3	389.2	388.0	386.8	385.5
162.5°	387.7	388.1	388.4	388.6	389.0	389.2	387.8	386.4	384.9	383.4	382.1
165°	384.5	384.6	384.7	384.7	384.8	384.9	383.9	382.9	381.9	380.9	379.8
167.5°	383.9	384.0	384.1	384.2	384.2	384.3	383.4	382.3	381.3	380.2	379.2
170°	382.1	382.3	382.6	382.9	383.2	383.4	382.6	381.8	380.9	380.2	379.3
172.5°	382.9	383.2	383.4	383.7	383.9	384.2	383.4	382.5	381.7	380.8	379.9
175°	380.7	380.8	380.8	380.8	380.8	380.8	380.2	379.5	379.0	378.3	377.7
177.5°	381.1	381.1	381.1	381.1	381.1	381.1	380.7	380.3	379.8	379.5	378.9
180°	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2



TEST NUMBER: P1444863
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL36

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°	66.6	65.3	62.1	60.8	59.1	59.2	57.8	57.9	56.3	56.2	54.3
92.5°	78.9	73.4	67.9	62.4	59.6	56.9	54.3	51.4	48.7	45.9	43.1
95°	99.9	90.6	81.3	72.0	68.8	65.7	62.5	59.4	56.1	53.0	49.8
97.5°	112.8	101.8	90.9	79.9	77.1	74.4	71.5	68.8	66.1	63.4	60.6
100°	154.9	134.4	113.9	93.5	91.1	88.8	86.5	84.2	81.9	79.4	77.1
102.5°	327.0	283.4	239.9	196.4	188.1	180.0	171.7	163.4	155.2	147.0	138.7
105°	623.2	552.7	482.2	411.7	389.3	366.9	344.5	322.1	299.7	277.3	254.9
107.5°	949.9	878.4	806.8	735.3	694.0	652.5	611.2	569.7	528.4	486.9	445.6
110°	1132.5	1080.1	1027.9	975.5	942.2	908.9	875.5	842.1	808.7	775.3	742.0



TEST NUMBER: P1444863
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL36

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1161.2	1123.6	1086.1	1048.5	1033.4	1018.2	1003.1	987.9	972.7	957.5	942.3
115°	1086.1	1060.7	1035.2	1009.7	1004.3	998.9	993.5	988.0	982.4	977.0	971.5
117.5°	966.8	952.4	937.9	923.5	924.2	924.9	925.6	926.3	927.0	927.6	928.2
120°	843.3	836.9	830.4	824.1	828.4	832.8	837.1	841.4	845.7	850.0	854.1
122.5°	740.8	738.1	735.3	732.4	737.6	742.9	748.0	753.2	758.3	763.5	768.5
125°	659.4	657.6	656.0	654.2	659.5	664.7	670.0	675.0	680.3	685.3	690.4
127.5°	603.4	602.5	601.7	600.9	604.5	608.0	611.5	615.1	618.5	621.9	625.4
130°	562.8	561.5	560.3	559.0	562.2	565.4	568.4	571.5	574.7	577.6	580.5
132.5°	534.8	533.3	531.9	530.5	532.6	534.7	536.8	538.8	540.8	542.8	544.6
135°	510.6	509.0	507.3	505.7	507.6	509.5	511.5	513.2	515.0	516.7	518.5
137.5°	489.7	488.1	486.4	484.7	486.5	488.2	489.8	491.4	492.9	494.5	496.0
140°	471.2	469.3	467.5	465.6	467.1	468.5	469.9	471.4	472.7	474.0	475.4
142.5°	453.4	450.9	448.8	446.3	447.4	448.4	449.3	450.2	451.4	452.2	453.0
145°	440.5	437.8	435.3	432.7	433.4	434.2	435.0	435.8	436.4	437.1	437.7
147.5°	428.1	425.6	423.2	420.8	421.4	421.9	422.5	422.8	423.5	423.9	424.3
150°	416.3	413.8	411.4	408.9	409.5	409.9	410.4	410.9	411.3	411.7	412.2
152.5°	403.8	401.6	399.2	396.9	397.4	397.8	398.2	398.6	399.1	399.4	399.8
155°	394.4	392.6	390.6	388.7	389.2	389.6	390.0	390.3	390.7	391.1	391.4
157.5°	389.1	387.5	386.1	384.6	384.7	384.8	385.1	385.1	385.3	385.4	385.6
160°	384.3	383.0	381.8	380.4	380.5	380.7	380.8	380.9	381.0	381.0	381.2
162.5°	380.6	379.1	377.6	376.1	376.2	376.4	376.6	376.6	376.8	376.8	376.8
165°	378.8	377.8	376.7	375.5	375.5	375.5	375.5	375.3	375.2	375.1	374.9
167.5°	378.1	377.0	375.9	374.8	375.0	375.2	375.3	375.4	375.6	375.6	375.7
170°	378.4	377.5	376.7	375.8	375.7	375.7	375.6	375.5	375.5	375.4	375.3
172.5°	379.1	378.2	377.4	376.5	376.5	376.4	376.4	376.3	376.2	376.1	376.1
175°	377.0	376.5	375.7	375.1	375.0	375.0	375.0	374.9	374.8	374.8	374.7
177.5°	378.5	378.1	377.7	377.2	377.1	377.1	377.1	377.0	377.0	377.0	377.0
180°	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2



TEST NUMBER: P1444863
CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL36

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°	54.1	52.0
92.5°	40.5	37.8
95°	46.6	43.5
97.5°	57.9	55.1
100°	74.8	72.5
102.5°	130.5	122.3
105°	232.6	210.2
107.5°	404.2	362.8
110°	708.6	675.3



TEST NUMBER: P1444863
CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL36

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	927.2	911.9
115°	966.0	960.5
117.5°	928.8	929.5
120°	858.3	862.5
122.5°	773.6	778.5
125°	695.3	700.5
127.5°	628.7	632.0
130°	583.3	586.3
132.5°	546.6	548.3
135°	520.1	521.7
137.5°	497.4	498.7
140°	476.4	477.8
142.5°	453.9	454.6
145°	438.4	438.9
147.5°	424.5	425.0
150°	412.4	412.8
152.5°	400.1	400.4
155°	391.6	392.0
157.5°	385.6	385.6
160°	381.2	381.3
162.5°	377.0	377.0
165°	374.7	374.6
167.5°	375.8	375.9
170°	375.2	375.1
172.5°	376.0	375.9
175°	374.7	374.7
177.5°	377.0	376.9
180°	379.2	379.2

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

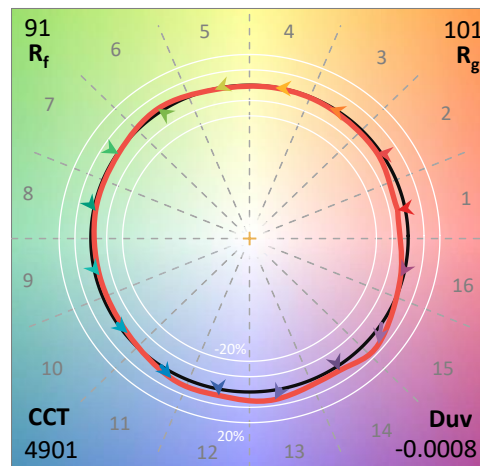
Test Information

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		



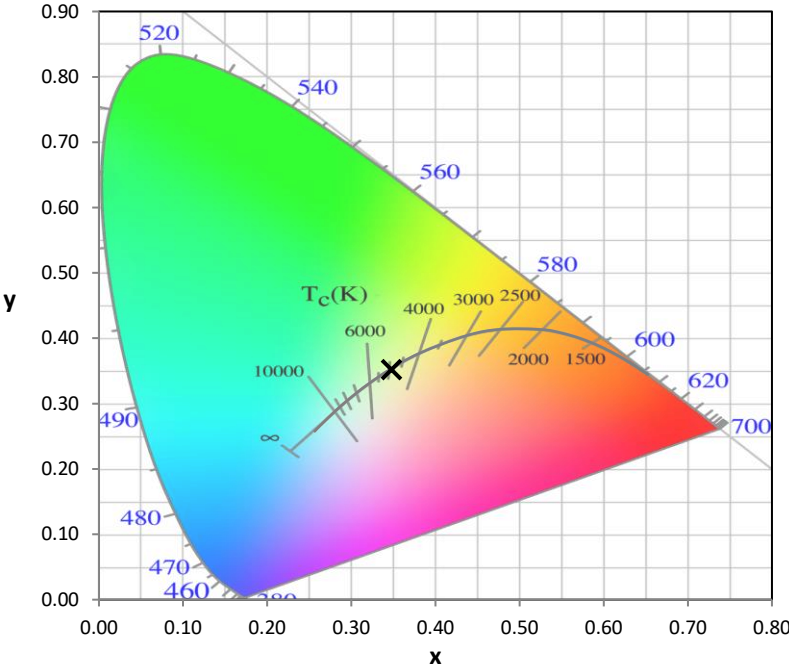
Test Conditions
 Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.0

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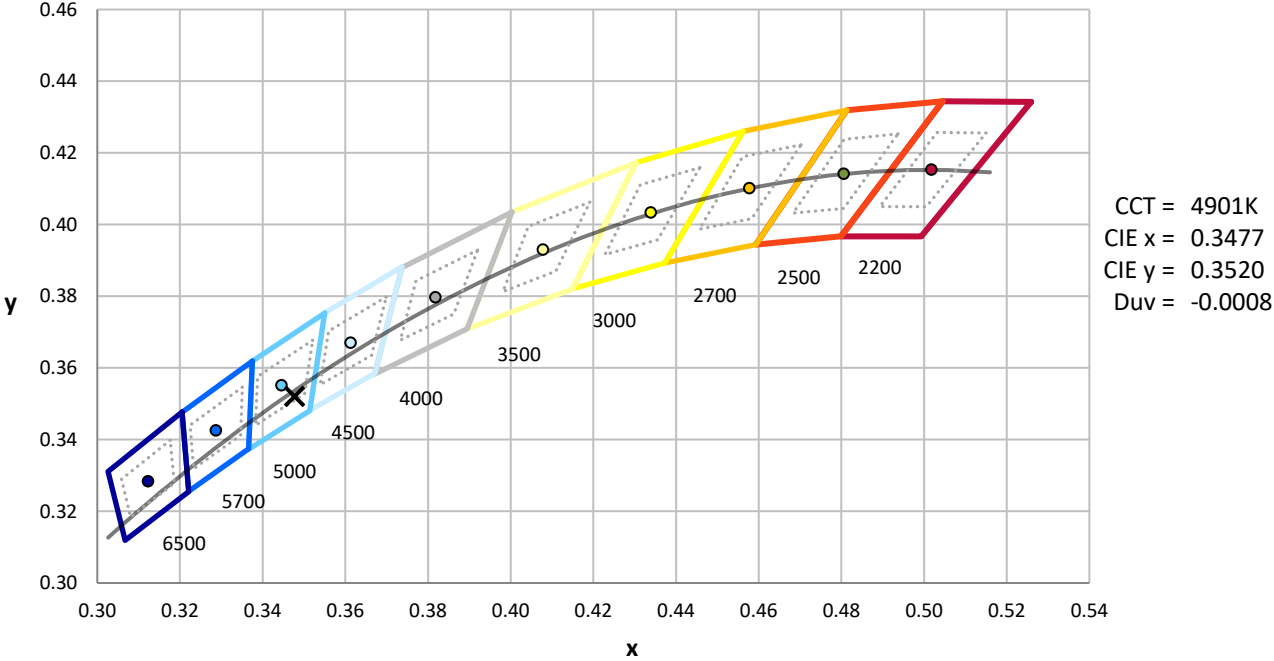
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208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



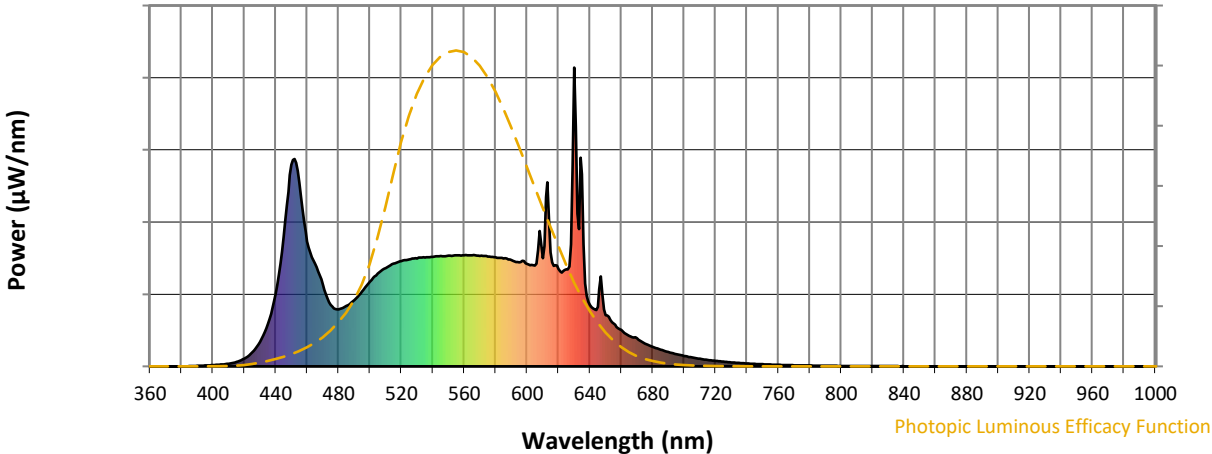
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

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Photopic Flux vs. Wavelength

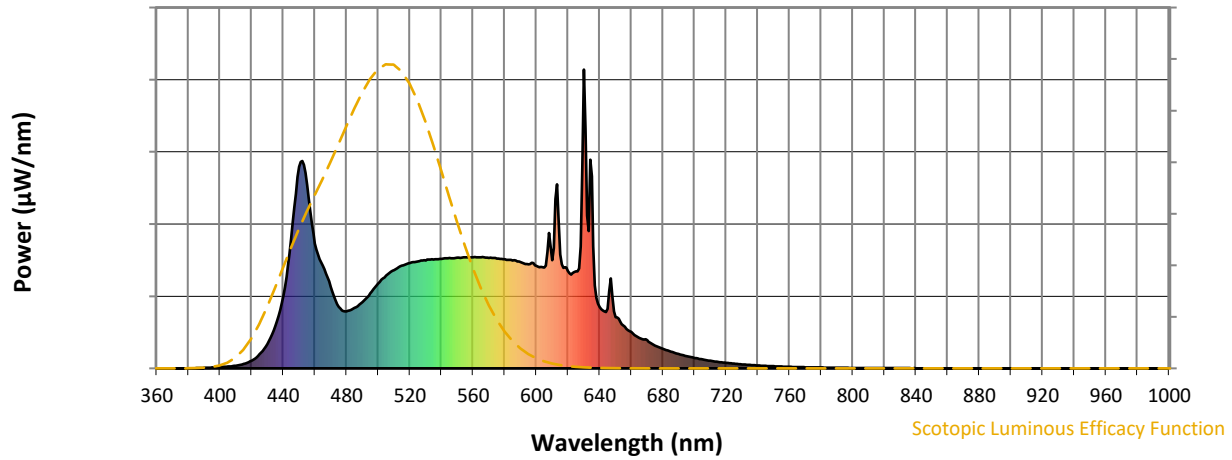


Photopic Lumens: NR

λ (nm)	Power 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



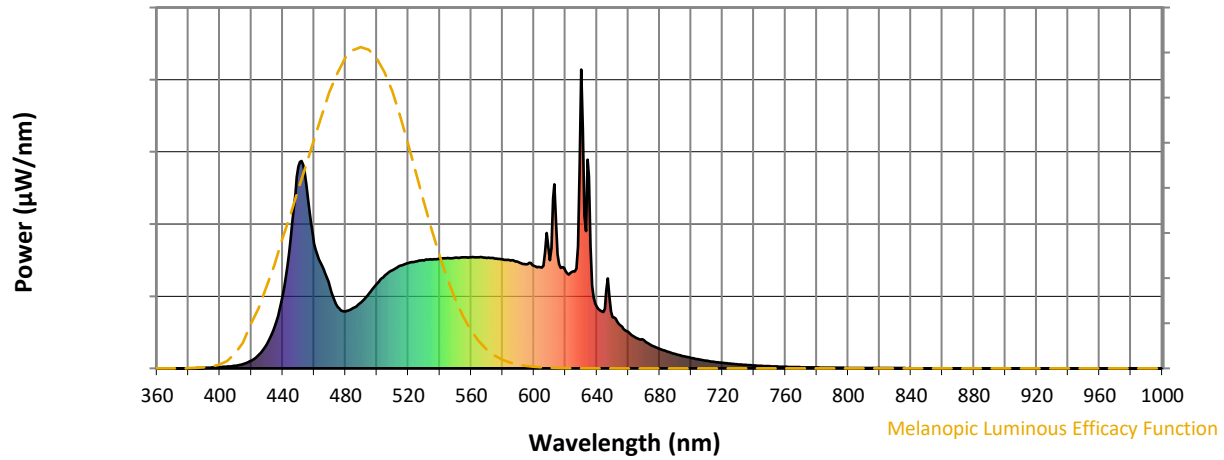
Scotopic Lumens: NR

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



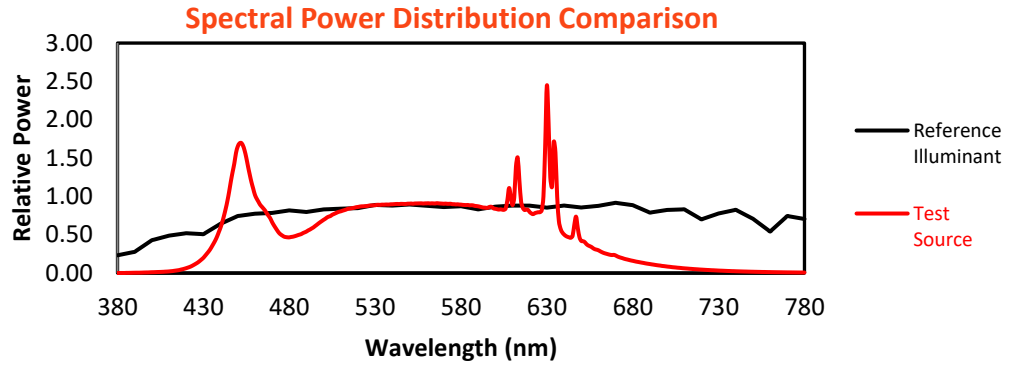
Melanopic Lumens: NR

M/P: 4.41

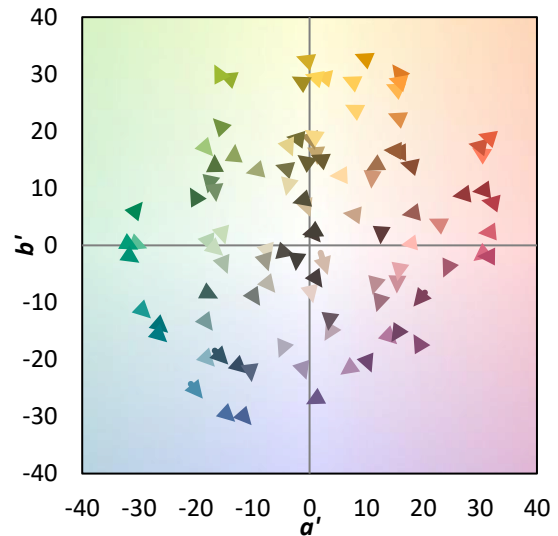
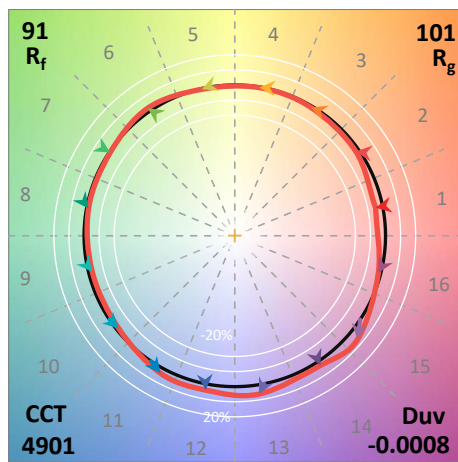
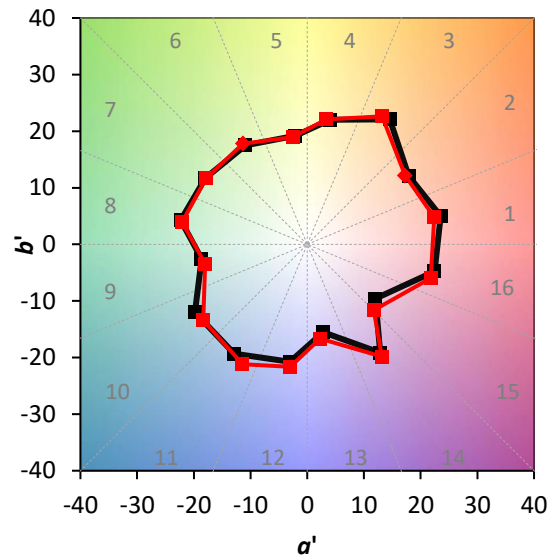
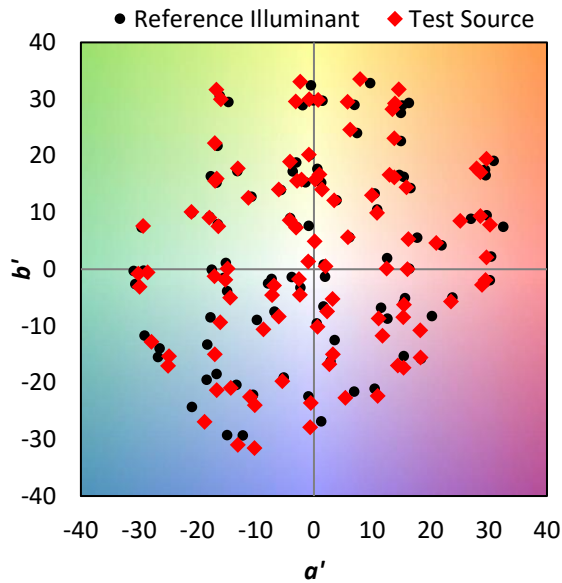
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	221	NR	620	326	NR	750	7	NR	880	0	NR
365	0	NR	495	250	NR	625	325	NR	755	6	NR	885	0	NR
370	0	NR	500	284	NR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

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

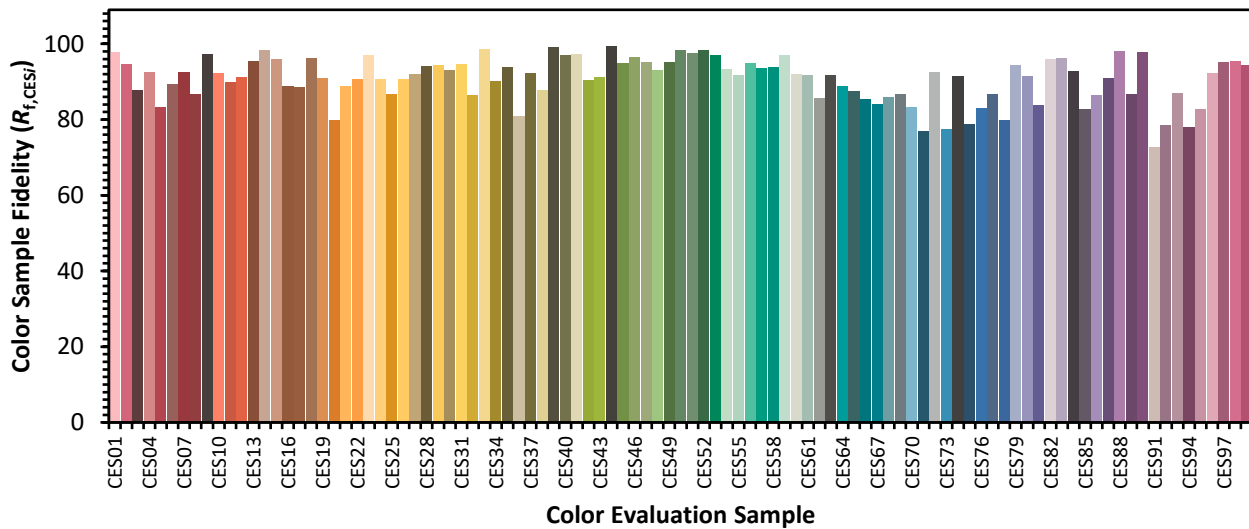


Color Vector Graphics

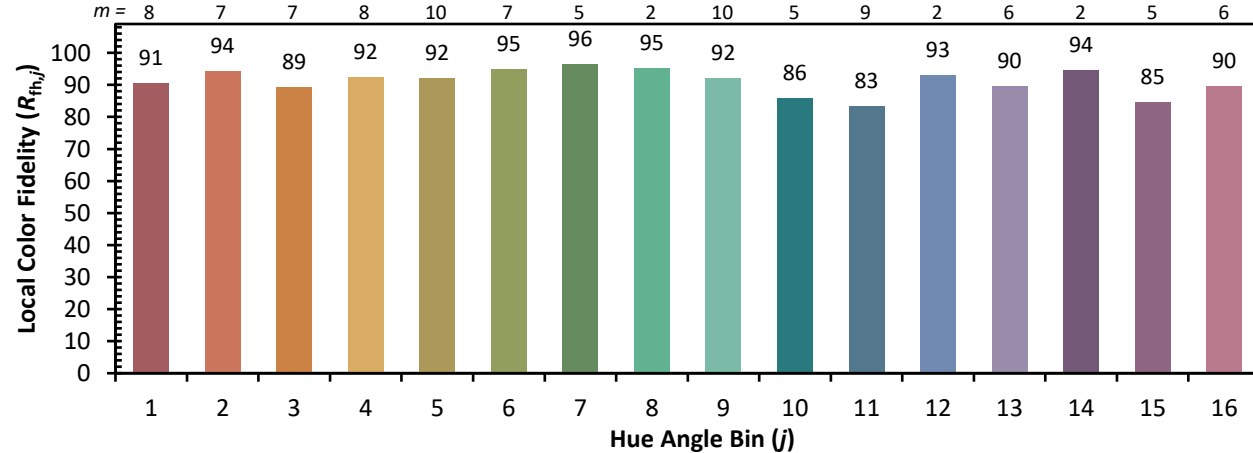
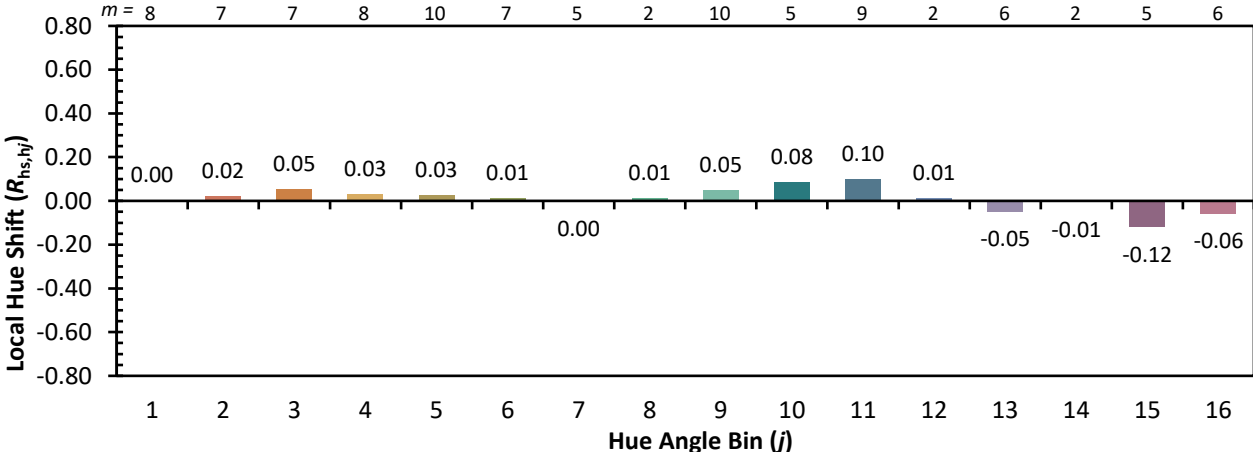
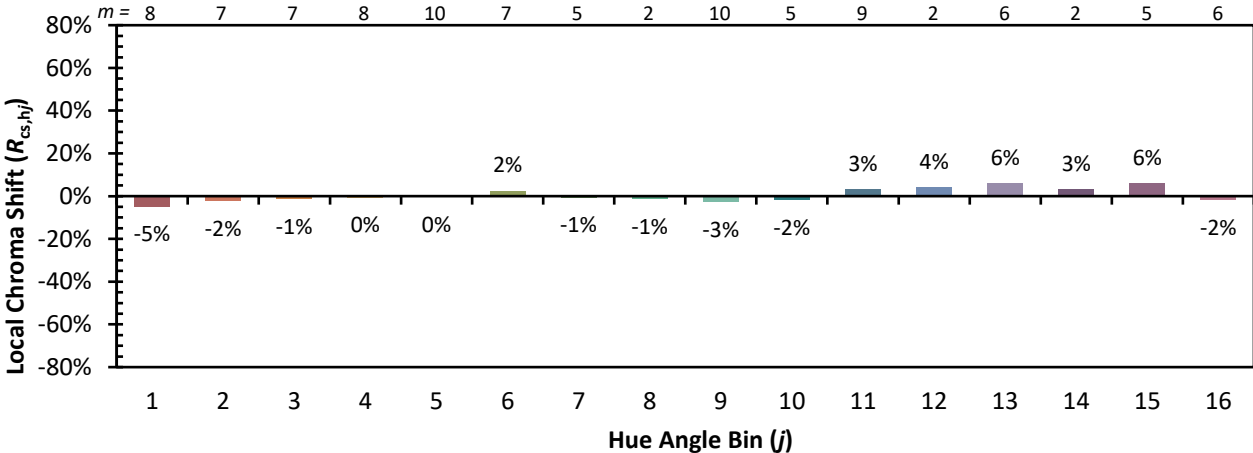


Individual Sample Fidelity Index ($R_{f,i}$)

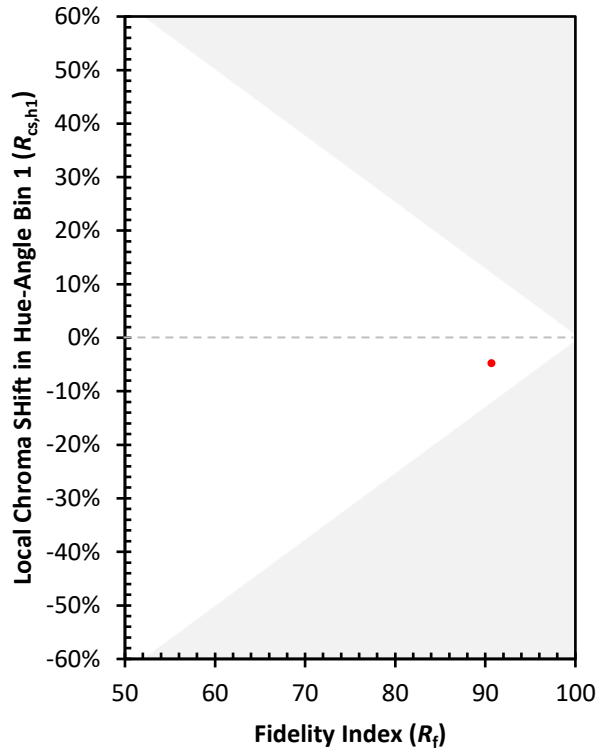
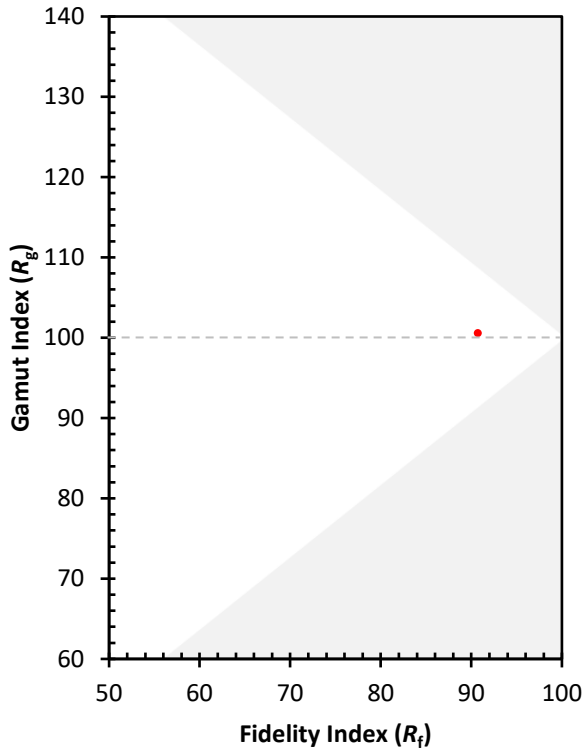
CES01 = 85	CES26 = 91	CES51 = 98	CES76 = 83
CES02 = 61	CES27 = 92	CES52 = 98	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 97	CES78 = 80
CES04 = 69	CES29 = 94	CES54 = 93	CES79 = 94
CES05 = 48	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 50	CES31 = 95	CES56 = 95	CES81 = 84
CES07 = 41	CES32 = 86	CES57 = 94	CES82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