

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: P1444859

Luminaire Tested: EHBR1-12-UNV-TA-L950-UPL15

Issue Date: 5/1/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1444859  
REPORT IS A COMBINATION OF REPORTS P1444309 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-UPL15  
Description: Elevate Round Highbay at, 12000 lumens, 5000K 90CRI LEDs with TA lens  
Light Source: -  
Ballast/Driver: -

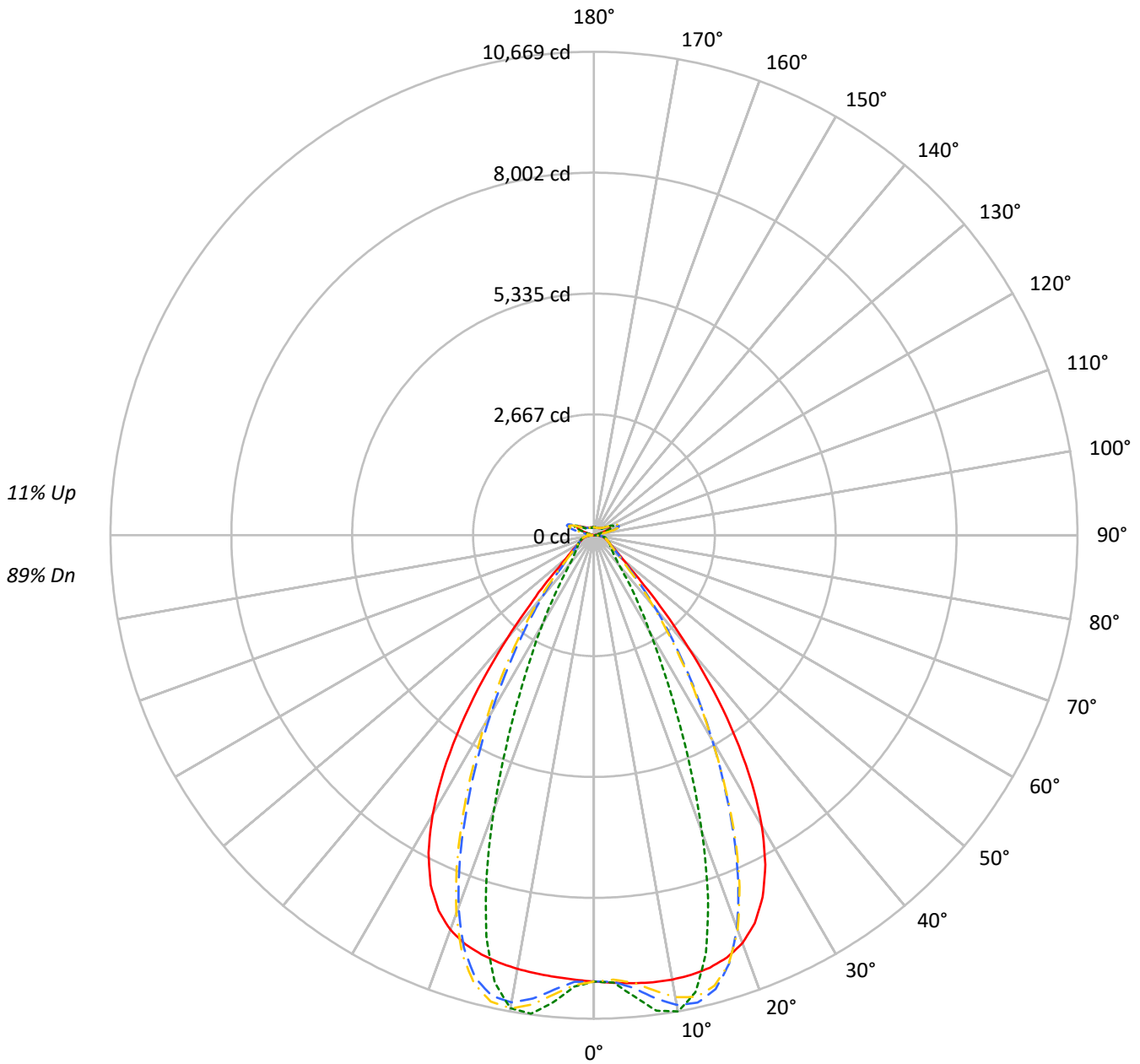
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12784.6 lumens  
Efficiency: N/A  
Efficacy: 172.8 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): 74  
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: P1444859  
CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL15

### 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	105	105	105	98	98	98	92	92	92	89			89
1	109	106	103	100	105	102	100	97	96	94	92	90	89	87	85	84	83	80			80
2	102	96	91	87	99	94	89	85	88	85	82	84	81	78	79	77	75	73			73
3	96	88	82	78	93	86	81	76	82	77	73	78	74	71	74	71	68	66			66
4	90	81	75	70	87	79	73	69	76	71	67	72	68	65	69	66	63	61			61
5	85	75	68	63	82	73	67	63	70	65	61	67	63	59	65	61	58	56			56
6	80	70	63	58	78	68	62	57	66	60	56	63	58	55	61	57	53	52			52
7	75	65	58	53	73	64	57	53	61	56	52	59	54	51	57	53	50	48			48
8	71	61	54	49	69	60	53	49	57	52	48	55	51	47	54	49	46	45			45
9	68	57	50	46	66	56	50	45	54	49	45	52	47	44	51	46	43	42			42
10	64	53	47	43	62	53	47	42	51	46	42	49	45	41	48	44	41	39			39

**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	7.6
10°-20°	2730.4	21.4
20°-30°	3109.7	24.3
30°-40°	2235.1	17.5
40°-50°	1030.8	8.1
50°-60°	493.3	3.9
60°-70°	359.9	2.8
70°-80°	273.4	2.1
80°-90°	126.8	1.0
90°-100°	40.4	0.3
100°-110°	243.9	1.9
110°-120°	450.8	3.5
120°-130°	272.8	2.1
130°-140°	171.4	1.3
140°-150°	124.0	1.0
150°-160°	84.4	0.7
160°-170°	49.9	0.4
170°-180°	16.9	0.1
0°-30°	6810.6	53.3
0°-40°	9045.7	70.8
0°-60°	10569.8	82.7
0°-90°	11330.0	88.6
90°-120°	735.1	5.8
90°-150°	1303.4	10.2
90°-180°	1455.0	11.4
0°-180°	12784.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	9848	9848	9848	9848	9848	
5°	9923	10212	9784	10346	9923	948
15°	9880	9550	9579	9165	9880	2784
25°	8809	4283	8518	3886	8809	3993
35°	5443	1484	5130	1315	5443	3341
45°	1564	639	1539	629	1564	1331
55°	587	449	565	445	587	542
65°	360	370	346	358	360	360
75°	254	278	240	265	254	264
85°	121	145	98	124	121	114
90°	37	46	14	16	37	23
95°	19	21	19	21	19	18
105°	87	113	58	113	87	115
115°	392	478	411	478	392	362
125°	290	309	330	309	290	265
135°	223	201	240	202	223	174
145°	193	191	206	192	193	122
155°	177	179	189	180	177	82
165°	173	174	180	175	173	49
175°	175	177	179	178	175	17
180°	178	178	178	178	178	



TEST NUMBER: P1444859  
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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°	37.3	39.4	40.4	42.7	43.8	45.9	46.8	49.2	50.2	52.6	54.3
92.5°	16.3	17.4	18.4	19.6	20.7	22.1	23.3	24.5	25.6	26.9	29.3
95°	18.6	19.9	21.2	22.4	23.7	25.0	26.3	27.5	28.8	30.1	33.8
97.5°	23.3	24.4	25.6	26.7	27.8	28.9	30.0	31.1	32.2	33.4	37.8
100°	30.6	31.5	32.4	33.4	34.3	35.3	36.2	37.2	38.1	39.0	47.3
102.5°	50.9	54.3	57.6	60.9	64.2	67.5	70.9	74.1	77.5	80.8	98.3
105°	86.8	95.7	104.9	113.8	122.8	131.9	140.9	149.9	159.0	168.0	196.5
107.5°	148.8	165.4	182.1	198.8	215.6	232.3	249.0	265.7	282.4	299.1	328.0
110°	275.6	289.0	302.4	315.8	329.3	342.8	356.3	369.6	383.1	396.5	417.6



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**CANDELA DISTRIBUTION (continued):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	371.7	377.8	383.9	389.9	396.1	402.2	408.3	414.3	420.4	426.5	441.5
115°	392.1	394.2	396.4	398.4	400.6	402.8	404.9	407.0	409.1	411.1	421.4
117.5°	380.3	379.8	379.5	379.3	378.8	378.4	378.1	377.7	377.3	376.8	382.6
120°	354.0	352.2	350.4	348.5	346.7	344.8	343.0	341.2	339.2	337.3	339.8
122.5°	321.0	318.9	316.7	314.5	312.3	310.0	307.8	305.5	303.3	301.0	302.1
125°	290.5	288.3	286.2	283.9	281.6	279.4	277.2	274.8	272.5	270.2	270.7
127.5°	263.9	262.3	260.9	259.2	257.6	256.1	254.4	252.7	251.2	249.5	249.7
130°	246.6	245.2	243.8	242.4	240.9	239.5	238.0	236.6	235.1	233.5	233.8
132.5°	232.3	231.4	230.5	229.4	228.4	227.3	226.3	225.0	224.0	223.0	223.3
135°	222.7	221.9	220.9	220.0	219.1	218.1	217.0	216.0	215.0	213.9	214.3
137.5°	214.5	213.8	213.0	212.1	211.2	210.3	209.3	208.4	207.4	206.4	206.8
140°	207.1	206.4	205.6	204.8	204.0	203.2	202.4	201.4	200.6	199.7	200.2
142.5°	198.6	198.1	197.6	196.9	196.3	195.7	194.9	194.2	193.5	192.8	193.5
145°	193.2	192.7	192.2	191.8	191.2	190.6	190.0	189.4	188.8	188.2	189.0
147.5°	188.3	188.0	187.6	187.1	186.8	186.3	185.8	185.3	184.8	184.2	185.0
150°	184.1	183.7	183.4	182.9	182.5	182.1	181.6	181.2	180.7	180.2	181.0
152.5°	179.6	179.2	178.9	178.5	178.1	177.7	177.4	176.8	176.3	175.9	176.5
155°	176.9	176.5	176.2	175.8	175.4	175.0	174.6	174.2	173.7	173.3	173.8
157.5°	175.0	174.7	174.5	174.1	173.8	173.6	173.3	172.9	172.6	172.4	172.6
160°	174.1	173.8	173.6	173.3	172.9	172.6	172.4	172.0	171.7	171.4	171.8
162.5°	173.2	172.9	172.6	172.4	172.1	171.8	171.5	171.2	171.0	170.6	171.0
165°	173.0	172.8	172.6	172.4	172.3	172.1	171.9	171.7	171.5	171.3	171.6
167.5°	174.3	174.0	173.8	173.6	173.3	173.2	172.9	172.6	172.4	172.1	172.4
170°	174.7	174.5	174.4	174.3	174.1	174.0	173.9	173.7	173.6	173.5	173.7
172.5°	175.5	175.3	175.2	175.2	175.0	175.0	174.9	174.8	174.7	174.6	174.9
175°	175.4	175.2	175.2	175.1	175.0	175.0	175.0	174.9	174.9	174.8	175.0
177.5°	176.5	176.4	176.4	176.4	176.4	176.4	176.3	176.3	176.3	176.3	176.4
180°	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6



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**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	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°	57.2	58.9	61.8	62.8	65.0	65.7	56.4	56.1	54.4	54.2	52.1
92.5°	31.6	33.7	36.0	38.4	40.7	42.9	44.0	46.0	43.7	41.3	39.0
95°	37.6	41.3	45.2	48.9	52.7	56.4	60.2	63.9	60.4	56.9	53.3
97.5°	42.3	46.6	51.1	55.6	60.0	64.4	68.8	73.3	69.6	65.7	62.0
100°	55.6	63.8	72.0	80.4	88.6	96.9	105.2	113.4	106.2	98.9	91.6
102.5°	115.9	133.5	151.1	168.5	186.1	203.8	221.3	238.9	222.2	205.5	188.9
105°	225.0	253.4	281.9	310.3	338.8	367.2	395.8	424.2	397.6	370.9	344.2
107.5°	356.9	385.7	414.6	443.4	472.4	501.2	530.2	559.1	533.1	507.1	481.1
110°	438.7	459.7	480.8	501.9	523.0	544.0	565.4	586.5	570.8	555.2	539.5



TEST NUMBER: P1444859  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL15

**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	456.6	471.7	486.9	501.8	516.9	531.9	547.4	562.5	554.7	546.9	539.1
115°	431.6	441.9	452.0	462.1	472.4	482.6	493.1	503.4	500.9	498.4	496.0
117.5°	388.4	394.0	399.9	405.6	411.2	416.9	423.2	429.0	429.4	430.0	430.5
120°	342.3	344.7	347.2	349.6	352.0	354.5	357.5	360.0	362.3	364.4	366.5
122.5°	303.0	304.0	304.9	305.9	306.8	307.7	309.4	310.6	312.0	313.6	315.2
125°	271.2	271.8	272.3	272.8	273.2	273.8	275.1	275.7	275.9	275.9	276.2
127.5°	249.7	250.0	250.1	250.3	250.4	250.6	251.5	251.9	251.0	250.3	249.4
130°	234.1	234.3	234.7	235.0	235.3	235.5	236.8	237.3	235.8	234.2	232.7
132.5°	223.7	224.1	224.4	224.8	225.1	225.5	226.9	227.4	225.8	224.0	222.2
135°	214.7	215.3	215.6	216.1	216.5	217.1	218.6	219.3	217.6	215.9	214.3
137.5°	207.2	207.7	208.2	208.7	209.1	209.6	211.3	212.0	210.7	209.3	208.0
140°	200.7	201.3	201.8	202.5	202.9	203.7	205.4	206.3	205.3	204.1	203.1
142.5°	194.2	194.9	195.7	196.5	197.3	198.0	200.1	201.2	200.5	199.7	199.0
145°	189.7	190.7	191.5	192.3	193.2	194.1	196.4	197.6	197.2	196.8	196.2
147.5°	185.7	186.5	187.2	188.1	188.9	189.8	192.1	193.3	193.1	192.8	192.5
150°	181.6	182.5	183.2	184.1	185.0	185.8	188.5	189.8	189.5	189.4	189.1
152.5°	177.3	177.9	178.7	179.5	180.2	181.1	184.2	185.5	185.2	184.9	184.7
155°	174.3	175.0	175.5	176.1	176.6	177.4	180.5	181.7	181.6	181.5	181.4
157.5°	173.1	173.5	173.8	174.3	174.8	175.2	178.5	179.6	179.5	179.3	179.2
160°	172.0	172.4	172.6	173.0	173.3	173.7	177.0	178.1	178.0	177.8	177.7
162.5°	171.4	171.9	172.2	172.6	173.1	173.5	176.9	178.0	177.8	177.6	177.5
165°	171.8	172.1	172.4	172.6	172.9	173.3	176.3	177.3	177.2	177.1	177.0
167.5°	172.6	173.0	173.2	173.5	173.7	174.1	176.9	177.9	177.8	177.7	177.6
170°	173.8	174.1	174.4	174.6	174.9	175.2	177.6	178.3	178.2	178.0	177.8
172.5°	175.0	175.4	175.7	175.9	176.2	176.5	178.5	179.3	179.1	179.0	178.8
175°	175.2	175.3	175.6	175.9	176.1	176.3	177.9	178.5	178.4	178.4	178.3
177.5°	176.6	176.7	176.9	177.0	177.2	177.4	178.4	178.8	178.8	178.8	178.7
180°	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6



TEST NUMBER: P1444859  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL15

**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°	51.3	49.3	49.2	47.9	48.4	47.3	47.8	46.6	47.3	46.8	48.0
92.5°	36.4	34.2	31.7	29.4	26.9	24.7	23.4	22.4	21.2	20.3	19.0
95°	49.8	46.4	42.8	39.3	35.9	32.3	31.0	29.7	28.5	27.2	25.9
97.5°	58.2	54.4	50.6	46.8	43.0	39.3	38.5	37.6	36.7	35.9	35.0
100°	84.4	77.0	69.8	62.4	55.2	47.9	47.3	46.5	45.9	45.2	44.5
102.5°	172.3	155.4	138.8	122.2	105.5	88.8	85.9	83.1	80.1	77.2	74.3
105°	317.6	290.9	264.3	237.6	211.0	184.3	176.4	168.4	160.5	152.5	144.6
107.5°	455.1	429.1	403.1	377.0	351.1	325.1	312.6	300.0	287.4	274.8	262.3
110°	523.9	508.3	492.8	477.0	461.5	446.0	433.9	422.0	409.9	398.0	386.0



TEST NUMBER: P1444859  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL15

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	531.2	523.5	515.7	507.9	500.1	492.3	486.5	480.6	474.9	468.9	463.1
115°	493.5	491.0	488.5	486.1	483.7	481.2	480.8	480.4	480.0	479.6	479.2
117.5°	430.8	431.4	431.9	432.4	433.0	433.4	436.6	439.7	442.9	446.1	449.2
120°	368.7	370.8	373.0	375.2	377.3	379.5	383.7	388.0	392.2	396.5	400.8
122.5°	316.6	318.1	319.6	321.3	322.8	324.3	328.4	332.7	336.9	341.1	345.4
125°	276.3	276.4	276.6	276.7	276.8	277.0	280.4	283.8	287.3	290.9	294.3
127.5°	248.6	247.7	246.9	246.0	245.2	244.4	246.4	248.5	250.5	252.6	254.8
130°	231.2	229.8	228.1	226.6	225.0	223.5	224.4	225.2	226.1	227.0	227.8
132.5°	220.4	218.6	216.8	214.9	213.1	211.4	211.4	211.4	211.5	211.6	211.7
135°	212.5	210.9	209.1	207.4	205.7	204.0	203.6	203.2	202.8	202.5	202.2
137.5°	206.7	205.3	203.9	202.6	201.2	199.9	199.3	198.7	198.2	197.7	197.2
140°	202.1	201.0	199.9	198.8	197.6	196.7	196.1	195.7	195.2	194.8	194.4
142.5°	198.1	197.3	196.5	195.8	194.9	194.2	193.7	193.3	192.8	192.4	192.0
145°	195.8	195.3	194.7	194.3	193.8	193.3	192.9	192.6	192.2	192.0	191.7
147.5°	192.2	192.0	191.7	191.4	191.0	190.7	190.5	190.3	190.0	189.9	189.6
150°	188.7	188.5	188.2	188.0	187.7	187.4	187.2	187.1	187.0	187.0	186.8
152.5°	184.4	184.2	184.0	183.8	183.4	183.1	183.0	183.0	182.9	182.8	182.7
155°	181.2	181.1	180.9	180.7	180.5	180.3	180.2	180.1	179.9	179.7	179.5
157.5°	179.1	178.9	178.8	178.7	178.5	178.3	178.1	178.0	177.8	177.7	177.6
160°	177.6	177.5	177.3	177.2	177.0	176.9	176.6	176.3	176.2	175.9	175.7
162.5°	177.2	177.0	176.8	176.6	176.3	176.2	176.0	175.8	175.6	175.5	175.3
165°	176.8	176.7	176.5	176.3	176.3	176.2	175.9	175.6	175.4	175.1	174.9
167.5°	177.5	177.4	177.2	177.1	176.9	176.8	176.6	176.3	176.1	175.9	175.7
170°	177.6	177.5	177.4	177.1	176.9	176.6	176.4	176.3	176.0	175.8	175.6
172.5°	178.7	178.6	178.4	178.2	178.0	177.8	177.6	177.5	177.3	177.1	177.0
175°	178.2	178.2	178.2	178.0	178.0	177.9	177.8	177.8	177.7	177.7	177.6
177.5°	178.7	178.7	178.7	178.6	178.6	178.6	178.4	178.3	178.2	178.0	177.9
180°	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6



TEST NUMBER: P1444859  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL15

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	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°	47.2	47.8	46.2	46.0	45.4	46.4	45.0	45.0	42.7	42.4	40.3
92.5°	18.0	16.8	15.7	14.6	15.9	16.8	18.1	19.0	20.2	21.2	22.4
95°	24.6	23.4	22.1	20.8	21.8	22.9	23.9	24.9	25.9	26.9	28.0
97.5°	34.2	33.3	32.4	31.6	32.1	32.8	33.4	34.0	34.6	35.2	35.9
100°	43.9	43.2	42.5	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
102.5°	71.4	68.5	65.6	62.7	64.7	66.6	68.6	70.5	72.6	74.5	76.6
105°	136.6	128.7	120.7	112.8	120.5	128.1	135.8	143.5	151.2	159.0	166.7
107.5°	249.7	237.2	224.7	212.1	226.1	240.1	254.1	268.0	282.1	296.0	310.1
110°	374.2	362.2	350.3	338.3	353.2	368.0	382.9	397.8	412.5	427.4	442.4



TEST NUMBER: P1444859  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL15

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	457.2	451.5	445.6	439.8	449.4	459.0	468.6	478.2	487.7	497.4	506.9
115°	478.9	478.5	478.2	477.8	482.4	486.9	491.4	496.0	500.6	505.2	509.7
117.5°	452.4	455.6	458.9	462.1	463.6	465.0	466.5	467.9	469.5	470.9	472.5
120°	405.1	409.3	413.6	418.0	417.5	416.8	416.2	415.7	415.2	414.7	414.3
122.5°	349.6	353.9	358.3	362.6	361.3	360.0	358.8	357.5	356.4	355.1	354.1
125°	298.1	301.6	305.2	308.8	307.5	306.2	305.0	303.8	302.6	301.4	300.4
127.5°	257.0	259.2	261.5	263.7	263.1	262.5	262.0	261.5	261.0	260.4	260.1
130°	228.8	229.9	230.9	231.9	232.1	232.3	232.5	232.7	233.1	233.4	233.7
132.5°	211.9	212.1	212.3	212.6	213.2	214.0	214.7	215.6	216.4	217.2	218.2
135°	202.0	201.7	201.5	201.3	202.4	203.4	204.4	205.5	206.7	207.9	209.2
137.5°	196.7	196.3	196.0	195.6	196.6	197.6	198.7	199.8	201.1	202.3	203.6
140°	194.0	193.7	193.5	193.2	194.2	195.2	196.2	197.3	198.6	199.8	201.0
142.5°	191.7	191.3	191.0	190.7	191.7	192.6	193.6	194.6	195.8	196.8	197.9
145°	191.4	191.1	190.9	190.7	191.3	192.0	192.8	193.5	194.4	195.1	196.0
147.5°	189.5	189.4	189.3	189.2	189.7	190.2	190.7	191.2	191.9	192.4	193.2
150°	186.8	186.8	186.7	186.8	187.0	187.3	187.7	188.1	188.4	188.8	189.4
152.5°	182.7	182.6	182.7	182.7	182.9	183.2	183.6	183.9	184.2	184.6	185.1
155°	179.5	179.3	179.2	179.1	179.2	179.4	179.6	179.7	179.8	180.0	180.2
157.5°	177.5	177.3	177.3	177.1	177.1	177.1	177.2	177.2	177.2	177.2	177.3
160°	175.6	175.3	175.0	174.9	175.0	175.0	175.1	175.1	175.3	175.4	175.4
162.5°	175.2	175.0	175.0	174.8	174.8	174.6	174.5	174.4	174.3	174.2	174.2
165°	174.7	174.4	174.2	173.9	173.9	173.9	173.9	173.9	173.9	173.9	173.9
167.5°	175.5	175.2	175.0	174.8	174.7	174.4	174.3	174.0	174.0	173.8	173.7
170°	175.4	175.2	175.0	174.9	174.8	174.7	174.7	174.5	174.5	174.5	174.5
172.5°	176.8	176.6	176.4	176.3	176.2	176.2	176.1	176.1	176.0	176.0	176.0
175°	177.6	177.6	177.5	177.4	177.3	177.2	177.1	177.0	176.9	176.7	176.6
177.5°	177.8	177.6	177.6	177.5	177.5	177.5	177.5	177.5	177.5	177.4	177.4
180°	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6



TEST NUMBER: P1444859  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL15

**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°	40.5	38.8	39.6	38.7	39.8	39.2	40.5	40.5	42.1	41.9	43.6
92.5°	23.4	24.5	26.6	28.7	30.7	32.7	34.7	36.9	38.8	41.0	42.9
95°	29.0	30.0	32.7	35.5	38.2	40.9	43.8	46.5	49.2	51.9	54.6
97.5°	36.5	37.1	39.8	42.6	45.2	48.0	50.7	53.6	56.3	59.1	61.8
100°	41.8	41.9	49.7	57.4	65.2	72.9	80.7	88.5	96.3	104.1	111.9
102.5°	78.5	80.5	100.1	119.7	139.4	159.0	178.7	198.3	218.0	237.7	257.3
105°	174.3	182.0	211.9	242.0	272.0	302.0	331.9	362.0	391.9	422.0	451.9
107.5°	324.1	338.1	365.2	392.3	419.4	446.5	473.7	500.7	527.9	555.0	582.2
110°	457.2	472.1	490.3	508.3	526.5	544.7	562.8	581.0	599.2	617.3	635.6



TEST NUMBER: P1444859  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL15

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	516.5	526.2	536.7	547.2	557.8	568.4	579.0	589.6	600.3	610.9	621.6
115°	514.3	518.9	522.9	527.1	531.2	535.3	539.5	543.7	547.9	552.0	556.2
117.5°	473.9	475.5	476.2	476.8	477.5	478.1	478.9	479.5	480.3	481.0	481.7
120°	413.6	413.2	412.5	411.9	411.1	410.5	409.8	409.3	408.5	408.0	407.4
122.5°	352.9	351.8	351.0	350.5	349.7	349.2	348.6	348.0	347.4	346.8	346.3
125°	299.3	298.2	298.7	299.3	299.9	300.6	301.1	301.9	302.5	303.1	303.8
127.5°	259.6	259.3	260.8	262.5	264.0	265.5	267.2	268.9	270.4	272.0	273.6
130°	234.1	234.5	236.5	238.6	240.5	242.7	244.7	246.9	248.8	251.0	253.0
132.5°	219.1	220.1	221.9	223.9	225.9	227.9	229.9	231.9	233.8	235.9	237.8
135°	210.4	211.7	213.6	215.3	217.1	219.0	220.8	222.6	224.4	226.2	228.0
137.5°	204.8	206.1	207.6	209.0	210.4	211.9	213.2	214.7	216.1	217.6	219.0
140°	202.2	203.6	204.3	205.1	206.0	206.8	207.7	208.5	209.2	210.1	210.9
142.5°	199.0	200.2	200.7	201.3	201.7	202.4	202.9	203.5	203.8	204.4	205.0
145°	196.8	197.7	197.7	197.8	197.9	198.0	198.0	198.1	198.1	198.2	198.2
147.5°	193.7	194.5	194.3	194.3	194.3	194.1	194.0	193.9	193.8	193.7	193.6
150°	189.6	190.2	189.9	189.8	189.5	189.3	189.1	188.8	188.5	188.4	188.1
152.5°	185.4	185.8	185.5	185.3	185.0	184.7	184.4	184.2	183.9	183.6	183.4
155°	180.3	180.5	180.3	180.2	180.1	179.9	179.8	179.7	179.6	179.4	179.3
157.5°	177.3	177.4	177.3	177.2	177.0	177.0	177.0	176.9	176.9	176.9	176.9
160°	175.5	175.7	175.5	175.4	175.3	175.2	175.2	175.2	175.2	175.2	175.2
162.5°	174.1	174.0	173.9	173.8	173.7	173.7	173.7	173.7	173.7	173.7	173.7
165°	174.0	174.1	173.8	173.7	173.6	173.4	173.4	173.3	173.2	173.1	173.0
167.5°	173.6	173.5	173.5	173.6	173.6	173.6	173.7	173.7	173.8	173.9	174.0
170°	174.4	174.5	174.3	174.3	174.2	174.1	174.0	174.0	174.0	173.9	173.9
172.5°	176.0	176.0	175.8	175.6	175.4	175.2	175.1	175.0	174.9	174.7	174.5
175°	176.5	176.4	176.3	176.3	176.2	176.0	176.0	175.9	175.8	175.7	175.6
177.5°	177.4	177.3	177.2	177.2	177.2	177.2	177.2	177.1	177.1	177.1	177.0
180°	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6



TEST NUMBER: P1444859  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL15

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	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°	40.6	39.4	36.4	35.3	32.4	30.7	27.5	25.9	22.9	22.3	20.5
92.5°	40.6	38.3	36.1	33.7	31.5	29.2	26.9	24.6	22.3	21.5	20.8
95°	51.3	47.9	44.7	41.3	38.0	34.7	31.4	28.1	24.7	24.1	23.3
97.5°	57.9	54.0	50.0	46.1	42.2	38.3	34.4	30.5	26.6	26.1	25.7
100°	102.9	93.8	84.8	75.8	66.7	57.7	48.8	39.7	30.7	30.1	29.6
102.5°	235.3	213.5	191.6	169.7	147.8	125.9	104.0	82.0	60.2	57.0	53.9
105°	418.8	385.6	352.5	319.4	286.2	253.0	219.9	186.7	153.6	142.9	132.2
107.5°	551.0	519.8	488.6	457.5	426.3	395.2	363.9	332.7	301.5	282.8	264.1
110°	610.8	586.1	561.4	536.7	511.9	487.2	462.3	437.6	412.9	396.6	380.7



TEST NUMBER: P1444859  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL15

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	603.4	585.2	567.1	549.0	530.9	512.7	494.6	476.4	458.2	448.4	438.6
115°	545.3	534.3	523.5	512.4	501.5	490.5	479.6	468.6	457.6	452.4	447.2
117.5°	476.2	470.5	464.9	459.3	453.7	448.0	442.4	436.7	431.1	429.3	427.5
120°	405.7	404.0	402.2	400.5	398.7	396.9	395.2	393.4	391.6	391.8	392.0
122.5°	346.9	347.5	348.1	348.7	349.3	349.8	350.5	350.9	351.5	352.8	354.2
125°	305.4	307.0	308.5	310.0	311.5	313.1	314.6	316.1	317.7	319.0	320.4
127.5°	275.5	277.2	279.0	280.7	282.5	284.2	286.0	287.6	289.3	290.5	291.8
130°	254.6	256.1	257.5	258.9	260.5	262.0	263.4	264.9	266.4	267.3	268.2
132.5°	239.1	240.5	241.8	243.1	244.4	245.8	247.1	248.4	249.8	250.5	251.1
135°	229.0	230.0	231.0	231.9	233.0	233.9	234.9	236.0	236.9	237.4	237.9
137.5°	219.9	220.6	221.5	222.2	223.1	223.8	224.8	225.5	226.4	226.5	226.8
140°	211.7	212.7	213.4	214.3	215.2	216.0	216.9	217.9	218.8	219.0	219.2
142.5°	205.6	206.2	206.9	207.5	208.3	208.9	209.6	210.4	211.1	211.3	211.5
145°	198.9	199.8	200.5	201.3	202.2	203.0	203.9	204.9	205.8	205.8	205.9
147.5°	194.2	194.9	195.6	196.3	197.1	197.8	198.6	199.4	200.2	200.2	200.4
150°	188.9	189.6	190.3	191.1	191.9	192.8	193.5	194.5	195.4	195.6	195.8
152.5°	184.2	185.0	185.7	186.6	187.5	188.4	189.4	190.3	191.2	191.4	191.7
155°	180.1	180.9	181.7	182.7	183.5	184.4	185.4	186.3	187.2	187.5	187.8
157.5°	177.6	178.3	179.0	179.9	180.6	181.5	182.3	183.1	183.9	184.2	184.3
160°	176.0	176.5	177.3	177.9	178.7	179.3	180.1	180.7	181.5	181.7	181.9
162.5°	174.4	175.0	175.8	176.3	177.1	177.7	178.5	179.1	179.9	180.1	180.3
165°	173.6	173.9	174.5	175.0	175.4	176.0	176.5	176.9	177.6	177.7	178.0
167.5°	174.5	174.8	175.1	175.5	176.0	176.3	176.7	177.1	177.6	177.8	178.0
170°	174.3	174.7	174.9	175.3	175.7	176.1	176.3	176.7	177.2	177.4	177.6
172.5°	174.8	175.0	175.2	175.5	175.6	175.9	176.2	176.4	176.7	177.0	177.2
175°	175.7	175.8	176.0	176.1	176.1	176.3	176.3	176.5	176.7	176.9	177.1
177.5°	177.1	177.2	177.3	177.4	177.6	177.6	177.8	177.9	178.0	178.3	178.5
180°	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6



TEST NUMBER: P1444859  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL15

**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°	20.0	18.4	17.8	16.3	15.7	14.5	14.0	14.3	14.9	15.2	15.8
92.5°	20.0	19.2	18.5	17.7	16.9	16.2	15.4	16.2	16.9	17.7	18.5
95°	22.7	22.0	21.3	20.6	20.0	19.2	18.6	19.2	20.0	20.7	21.4
97.5°	25.3	24.8	24.4	24.0	23.5	23.1	22.7	23.1	23.5	24.0	24.4
100°	29.1	28.6	28.1	27.6	27.0	26.6	26.0	26.7	27.1	27.7	28.2
102.5°	50.7	47.6	44.4	41.3	38.1	34.9	31.8	34.9	38.1	41.3	44.5
105°	121.6	110.9	100.3	89.6	79.0	68.3	57.6	68.4	79.1	89.7	100.3
107.5°	245.3	226.6	207.8	189.1	170.3	151.5	132.8	151.6	170.4	189.2	207.9
110°	364.4	348.2	332.0	315.9	299.6	283.5	267.2	283.5	299.6	315.9	332.1



TEST NUMBER: P1444859  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL15

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	428.7	418.9	409.0	399.2	389.3	379.5	369.6	379.5	389.4	399.4	409.2
115°	442.0	436.8	431.7	426.5	421.2	416.0	410.7	416.1	421.4	426.6	431.9
117.5°	425.6	423.8	421.9	420.1	418.2	416.3	414.4	416.4	418.4	420.3	422.3
120°	392.1	392.3	392.5	392.6	392.7	392.8	392.9	392.9	392.9	392.9	392.9
122.5°	355.5	356.8	358.0	359.3	360.6	361.9	363.0	362.0	360.9	359.8	358.6
125°	321.7	323.1	324.4	325.7	327.0	328.3	329.5	328.5	327.4	326.3	325.1
127.5°	292.9	294.2	295.4	296.7	297.7	298.8	299.8	299.0	298.1	297.1	296.2
130°	269.1	270.1	270.8	271.9	272.6	273.4	274.1	273.6	273.0	272.5	271.7
132.5°	251.8	252.5	253.1	253.7	254.3	254.9	255.3	255.0	254.8	254.4	253.9
135°	238.3	238.7	239.1	239.4	239.8	240.1	240.3	240.4	240.3	240.2	240.0
137.5°	227.0	227.2	227.4	227.4	227.5	227.5	227.5	227.8	228.0	228.3	228.4
140°	219.4	219.6	219.7	219.8	220.1	220.1	220.0	220.4	220.6	220.7	220.8
142.5°	211.7	211.9	212.1	212.2	212.4	212.4	212.4	212.7	212.9	213.0	213.0
145°	206.1	206.2	206.2	206.3	206.3	206.2	206.0	206.4	206.7	206.9	207.2
147.5°	200.4	200.5	200.6	200.6	200.5	200.6	200.4	200.8	201.0	201.2	201.5
150°	196.0	196.2	196.5	196.7	196.8	196.9	196.9	197.1	197.3	197.3	197.4
152.5°	191.8	192.0	192.2	192.3	192.5	192.5	192.5	192.8	193.0	193.2	193.3
155°	188.0	188.2	188.4	188.6	188.8	189.0	189.2	189.3	189.4	189.4	189.5
157.5°	184.5	184.8	185.0	185.2	185.4	185.5	185.7	185.9	186.0	186.2	186.2
160°	182.1	182.4	182.5	182.8	182.9	183.1	183.2	183.4	183.6	183.7	183.8
162.5°	180.5	180.7	180.8	181.1	181.2	181.4	181.5	181.7	181.9	182.0	182.1
165°	178.3	178.6	178.8	179.0	179.3	179.6	179.8	179.9	179.9	180.0	180.0
167.5°	178.3	178.6	178.7	178.9	179.1	179.4	179.6	179.7	179.7	179.7	179.8
170°	177.8	178.0	178.2	178.4	178.7	178.9	179.0	179.0	179.0	179.1	179.1
172.5°	177.4	177.7	178.0	178.3	178.5	178.8	179.0	179.0	178.9	178.9	178.7
175°	177.4	177.6	177.7	178.0	178.2	178.5	178.8	178.6	178.6	178.4	178.3
177.5°	178.9	179.2	179.4	179.7	180.0	180.2	180.5	180.2	180.1	179.9	179.6
180°	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6



TEST NUMBER: P1444859  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL15

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	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°	16.3	16.8	17.2	17.8	18.5	20.0	21.4	22.9	24.4	25.9	27.4
92.5°	19.2	20.0	20.8	21.6	22.3	24.6	26.9	29.2	31.6	33.8	36.1
95°	22.1	22.8	23.4	24.2	24.9	28.2	31.6	34.8	38.2	41.5	44.9
97.5°	24.9	25.4	25.8	26.2	26.7	30.6	34.5	38.5	42.4	46.3	50.2
100°	28.7	29.2	29.7	30.3	30.8	39.9	49.0	58.0	67.0	76.0	85.0
102.5°	47.7	50.8	54.0	57.2	60.4	82.3	104.2	126.2	148.0	169.9	191.9
105°	111.0	121.7	132.4	143.1	153.8	186.9	220.2	253.4	286.4	319.7	352.9
107.5°	226.7	245.5	264.3	283.1	301.9	333.1	364.2	395.5	426.7	457.9	489.0
110°	348.4	364.5	380.8	397.0	413.3	438.0	462.8	487.7	512.4	537.2	561.9



TEST NUMBER: P1444859  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL15

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	419.2	429.0	438.9	448.8	458.7	476.9	495.1	513.3	531.5	549.7	567.8
115°	437.1	442.4	447.6	452.9	458.1	469.2	480.3	491.2	502.3	513.1	524.3
117.5°	424.2	426.2	428.0	429.9	431.8	437.4	443.2	448.9	454.6	460.3	466.0
120°	392.9	392.8	392.7	392.6	392.5	394.2	396.2	397.9	399.7	401.7	403.4
122.5°	357.4	356.2	355.0	353.7	352.5	351.9	351.5	350.9	350.5	349.9	349.3
125°	323.9	322.7	321.4	320.2	318.9	317.4	315.9	314.4	312.9	311.4	309.9
127.5°	295.1	294.0	292.9	291.8	290.7	289.0	287.4	285.6	283.9	282.3	280.5
130°	271.1	270.3	269.6	268.6	268.0	266.4	265.0	263.6	262.1	260.7	259.2
132.5°	253.6	253.1	252.5	252.0	251.4	250.1	248.9	247.5	246.2	244.9	243.7
135°	239.9	239.6	239.3	239.1	238.7	237.8	236.7	235.8	235.0	234.0	233.0
137.5°	228.4	228.4	228.4	228.3	228.3	227.4	226.7	225.9	225.2	224.4	223.6
140°	220.9	220.9	220.9	220.8	220.8	219.9	219.1	218.2	217.5	216.6	215.7
142.5°	213.1	213.2	213.1	213.1	213.1	212.4	211.8	211.2	210.6	209.9	209.3
145°	207.3	207.5	207.6	207.6	207.7	207.0	206.2	205.4	204.7	203.8	203.1
147.5°	201.7	201.8	202.0	202.1	202.3	201.6	201.0	200.3	199.7	199.0	198.5
150°	197.4	197.4	197.5	197.5	197.5	196.9	196.1	195.5	194.8	194.1	193.4
152.5°	193.3	193.3	193.4	193.4	193.5	192.9	192.0	191.4	190.7	189.8	189.2
155°	189.6	189.6	189.6	189.6	189.6	189.0	188.2	187.6	186.8	186.2	185.5
157.5°	186.3	186.4	186.5	186.5	186.6	186.0	185.4	184.8	184.2	183.5	182.8
160°	183.9	184.0	184.1	184.2	184.2	183.6	183.2	182.6	182.2	181.5	181.1
162.5°	182.2	182.4	182.4	182.5	182.6	182.0	181.5	181.0	180.5	180.0	179.5
165°	180.1	180.1	180.1	180.0	180.0	179.6	179.4	179.0	178.7	178.3	177.9
167.5°	179.9	179.8	179.8	179.8	179.8	179.5	179.3	179.0	178.8	178.5	178.2
170°	179.2	179.1	179.1	179.1	179.0	178.8	178.6	178.4	178.2	177.8	177.6
172.5°	178.7	178.5	178.5	178.4	178.2	178.0	177.8	177.6	177.6	177.5	177.3
175°	178.2	178.1	177.9	177.8	177.6	177.6	177.6	177.5	177.4	177.4	177.3
177.5°	179.4	179.2	178.9	178.8	178.6	178.5	178.4	178.3	178.3	178.2	178.1
180°	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6



TEST NUMBER: P1444859  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL15

**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°	29.0	33.4	34.8	33.7	31.9	30.7	28.7	27.8	25.9	24.9	23.2
92.5°	38.4	40.7	43.0	41.0	38.9	36.9	34.8	32.8	30.8	28.7	26.7
95°	48.1	51.4	54.7	52.0	49.2	46.5	43.8	41.0	38.3	35.6	32.8
97.5°	54.2	58.0	61.9	59.2	56.4	53.6	50.8	48.1	45.3	42.6	39.9
100°	94.0	103.0	112.0	104.2	96.4	88.6	80.9	73.0	65.3	57.5	49.8
102.5°	213.7	235.5	257.4	237.8	218.2	198.4	178.8	159.2	139.6	119.8	100.2
105°	386.0	419.0	452.1	422.1	392.1	362.1	332.1	302.1	272.0	242.0	212.0
107.5°	520.3	551.2	582.3	555.1	528.1	500.9	473.8	446.7	419.6	392.4	365.3
110°	586.7	611.2	635.8	617.5	599.5	581.2	563.0	544.8	526.6	508.5	490.4



TEST NUMBER: P1444859  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL15

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	586.0	603.7	621.8	611.1	600.5	589.9	579.2	568.6	558.0	547.4	536.8
115°	535.2	545.7	556.4	552.3	548.1	543.9	539.7	535.5	531.4	527.3	523.2
117.5°	471.5	476.6	482.1	481.3	480.6	479.8	479.1	478.4	477.8	477.0	476.4
120°	405.2	406.3	407.9	408.3	409.0	409.6	410.3	410.9	411.5	412.2	412.8
122.5°	348.8	347.6	346.7	347.3	347.9	348.4	349.1	349.5	350.2	350.8	351.5
125°	308.5	306.1	304.3	303.6	303.1	302.3	301.7	301.0	300.4	299.7	299.2
127.5°	278.8	276.3	274.3	272.7	271.0	269.4	267.9	266.2	264.6	263.0	261.5
130°	257.8	255.4	253.7	251.7	249.7	247.5	245.5	243.4	241.3	239.3	237.2
132.5°	242.4	240.1	238.6	236.6	234.7	232.7	230.7	228.7	226.8	224.8	222.8
135°	232.1	230.0	228.8	227.0	225.4	223.5	221.7	219.9	218.2	216.3	214.6
137.5°	222.8	220.9	219.9	218.5	217.1	215.6	214.3	213.0	211.6	210.0	208.7
140°	215.0	212.9	211.8	211.1	210.4	209.5	208.8	207.9	207.2	206.4	205.6
142.5°	208.7	206.8	205.9	205.4	205.0	204.5	204.1	203.6	203.0	202.5	202.1
145°	202.4	200.1	199.2	199.1	199.2	199.1	199.1	199.1	199.1	199.0	199.0
147.5°	197.8	195.6	194.6	194.8	195.0	195.0	195.2	195.3	195.5	195.5	195.7
150°	192.7	190.2	189.1	189.4	189.5	189.8	190.2	190.4	190.7	190.9	191.1
152.5°	188.4	185.5	184.2	184.4	184.7	185.0	185.4	185.5	185.9	186.3	186.6
155°	184.7	181.5	180.2	180.2	180.3	180.5	180.6	180.7	180.9	181.1	181.4
157.5°	182.2	178.9	177.7	177.6	177.7	177.7	177.8	177.8	177.9	178.0	178.2
160°	180.5	177.4	176.1	176.0	176.1	176.1	176.1	176.1	176.2	176.3	176.3
162.5°	178.9	175.8	174.5	174.5	174.5	174.5	174.6	174.4	174.5	174.6	174.7
165°	177.5	174.9	173.8	173.8	173.9	174.0	174.1	174.2	174.3	174.5	174.7
167.5°	178.0	175.6	174.8	174.7	174.5	174.4	174.4	174.3	174.3	174.2	174.2
170°	177.3	175.4	174.7	174.7	174.8	174.8	174.8	174.9	174.9	175.0	175.0
172.5°	177.0	175.6	175.1	175.2	175.4	175.6	175.8	175.8	176.0	176.2	176.3
175°	177.2	176.3	176.2	176.2	176.3	176.3	176.4	176.4	176.5	176.6	176.8
177.5°	178.0	177.7	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6
180°	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6



TEST NUMBER: P1444859  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL15

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	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°	22.3	21.2	20.8	19.6	19.6	18.2	18.4	17.3	17.6	16.2	18.2
92.5°	24.6	23.5	22.4	21.3	20.2	19.1	18.0	16.9	15.8	14.7	15.8
95°	30.1	29.1	28.1	27.0	26.0	25.0	24.0	22.9	21.9	20.9	22.2
97.5°	37.2	36.6	36.0	35.4	34.7	34.2	33.5	33.0	32.3	31.8	32.6
100°	42.0	42.0	42.0	42.0	41.9	41.9	41.9	41.9	41.9	41.9	42.6
102.5°	80.6	78.6	76.7	74.6	72.7	70.6	68.7	66.7	64.8	62.8	65.7
105°	182.1	174.4	166.8	159.1	151.3	143.6	135.9	128.2	120.6	112.9	120.8
107.5°	338.3	324.2	310.2	296.2	282.2	268.1	254.2	240.2	226.2	212.2	224.8
110°	472.2	457.3	442.4	427.6	412.6	397.8	383.0	368.1	353.2	338.4	350.4



TEST NUMBER: P1444859  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL15

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	526.3	516.6	507.0	497.4	487.8	478.3	468.7	459.2	449.6	440.0	445.8
115°	519.0	514.5	509.8	505.3	500.7	496.1	491.5	487.0	482.5	477.9	478.3
117.5°	475.7	474.1	472.6	471.1	469.7	468.1	466.7	465.2	463.7	462.3	459.1
120°	413.5	413.9	414.4	414.9	415.4	416.1	416.4	417.0	417.6	418.2	413.8
122.5°	352.0	353.2	354.4	355.5	356.6	357.9	359.1	360.3	361.6	362.9	358.5
125°	298.5	299.6	300.8	301.9	303.0	304.2	305.5	306.7	307.9	309.3	305.7
127.5°	259.9	260.2	260.6	261.0	261.5	262.0	262.6	263.0	263.7	264.3	262.0
130°	235.3	234.8	234.4	234.1	233.7	233.5	233.2	233.0	232.8	232.7	231.6
132.5°	220.9	219.9	219.0	218.1	217.1	216.4	215.6	214.9	214.1	213.5	213.1
135°	212.8	211.5	210.2	209.0	207.7	206.6	205.4	204.4	203.4	202.4	202.5
137.5°	207.2	206.0	204.7	203.5	202.2	201.0	199.9	198.7	197.7	196.8	197.2
140°	204.8	203.5	202.2	201.0	199.9	198.6	197.5	196.5	195.4	194.6	194.7
142.5°	201.5	200.4	199.2	198.2	197.1	196.0	194.9	194.0	193.1	192.2	192.5
145°	199.0	198.2	197.3	196.4	195.7	194.9	194.1	193.5	192.8	192.2	192.3
147.5°	195.8	195.1	194.5	193.8	193.3	192.7	192.1	191.6	191.1	190.7	190.7
150°	191.4	191.0	190.6	190.2	189.7	189.4	189.1	188.7	188.4	188.1	188.1
152.5°	186.8	186.5	186.1	185.7	185.4	185.1	184.7	184.4	184.2	183.9	183.9
155°	181.5	181.4	181.2	181.0	180.8	180.8	180.6	180.6	180.4	180.3	180.3
157.5°	178.3	178.2	178.1	178.2	178.1	178.2	178.1	178.2	178.1	178.2	178.3
160°	176.5	176.4	176.3	176.3	176.2	176.1	176.0	176.1	176.0	175.9	176.1
162.5°	174.8	175.0	175.0	175.0	175.1	175.2	175.3	175.4	175.5	175.7	175.8
165°	174.9	174.8	174.8	174.7	174.7	174.7	174.7	174.7	174.7	174.8	175.0
167.5°	174.2	174.3	174.4	174.5	174.6	174.7	174.9	175.0	175.1	175.4	175.6
170°	175.0	175.0	175.0	175.0	175.0	175.1	175.1	175.1	175.2	175.3	175.4
172.5°	176.5	176.5	176.4	176.5	176.4	176.5	176.5	176.5	176.5	176.6	176.7
175°	176.8	177.0	177.1	177.2	177.3	177.4	177.5	177.6	177.6	177.7	177.7
177.5°	177.6	177.6	177.6	177.6	177.6	177.7	177.7	177.7	177.7	177.6	177.7
180°	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6



TEST NUMBER: P1444859  
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**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°	18.3	20.2	20.4	22.1	22.5	24.4	24.9	26.7	27.1	29.1	29.7
92.5°	16.9	18.0	19.1	20.2	21.3	22.4	23.5	24.6	27.0	29.3	31.8
95°	23.5	24.7	26.0	27.3	28.6	29.8	31.1	32.4	36.0	39.4	42.9
97.5°	33.4	34.4	35.2	36.0	36.9	37.8	38.7	39.5	43.2	47.0	50.7
100°	43.3	43.9	44.6	45.3	46.0	46.6	47.4	48.0	55.4	62.6	69.9
102.5°	68.6	71.5	74.4	77.3	80.3	83.2	86.1	89.0	105.6	122.3	138.9
105°	128.8	136.7	144.8	152.7	160.6	168.5	176.5	184.4	211.1	237.7	264.4
107.5°	237.3	249.8	262.4	275.0	287.6	300.1	312.6	325.3	351.2	377.2	403.2
110°	362.3	374.2	386.1	398.2	410.1	422.1	434.0	446.1	461.7	477.2	492.9



TEST NUMBER: P1444859  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL15

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	451.6	457.4	463.3	469.1	475.0	480.8	486.7	492.5	500.3	508.0	515.8
115°	478.7	479.1	479.4	479.8	480.2	480.6	481.0	481.5	484.0	486.4	488.9
117.5°	455.8	452.7	449.4	446.3	443.2	440.0	436.9	433.8	433.2	432.7	432.2
120°	409.6	405.4	401.1	396.7	392.6	388.4	384.2	380.0	377.8	375.5	373.5
122.5°	354.3	349.9	345.7	341.5	337.3	333.1	329.0	324.8	323.3	321.8	320.3
125°	302.0	298.5	294.9	291.4	287.9	284.5	281.1	277.7	277.5	277.3	277.2
127.5°	259.8	257.6	255.5	253.4	251.2	249.3	247.2	245.2	246.1	246.9	247.8
130°	230.6	229.6	228.7	227.7	227.0	226.1	225.3	224.5	226.1	227.5	229.2
132.5°	213.0	212.9	212.7	212.6	212.5	212.5	212.5	212.5	214.3	216.0	217.9
135°	202.7	203.0	203.4	203.6	204.0	204.3	204.8	205.1	207.0	208.6	210.4
137.5°	197.6	197.9	198.5	198.9	199.5	199.9	200.6	201.2	202.5	203.8	205.2
140°	195.1	195.3	195.8	196.1	196.6	197.0	197.5	197.9	199.0	200.1	201.2
142.5°	192.8	193.1	193.5	193.8	194.3	194.6	195.1	195.6	196.3	197.1	197.9
145°	192.6	192.8	193.1	193.3	193.6	194.0	194.3	194.6	195.2	195.5	196.0
147.5°	190.8	190.9	191.1	191.3	191.6	191.8	192.0	192.1	192.4	192.7	193.1
150°	188.1	188.1	188.2	188.3	188.4	188.5	188.7	188.7	189.0	189.3	189.5
152.5°	184.0	184.0	184.0	184.1	184.2	184.2	184.2	184.3	184.6	184.9	185.2
155°	180.5	180.6	180.8	180.9	181.1	181.2	181.4	181.5	181.6	181.7	181.9
157.5°	178.4	178.5	178.7	178.8	178.9	179.0	179.1	179.3	179.5	179.6	179.7
160°	176.3	176.5	176.7	176.9	177.1	177.3	177.6	177.7	177.9	178.0	178.2
162.5°	176.0	176.1	176.3	176.3	176.4	176.6	176.7	176.9	177.2	177.4	177.6
165°	175.1	175.4	175.7	175.8	176.1	176.3	176.5	176.8	176.9	177.0	177.2
167.5°	175.8	176.0	176.3	176.3	176.6	176.8	177.1	177.3	177.4	177.5	177.6
170°	175.7	175.9	176.1	176.2	176.3	176.5	176.8	176.9	177.2	177.4	177.6
172.5°	176.9	177.0	177.2	177.2	177.4	177.6	177.7	177.9	178.1	178.3	178.4
175°	177.7	177.7	177.7	177.8	177.8	177.8	177.8	177.9	178.0	178.0	178.0
177.5°	177.8	177.9	178.0	178.1	178.2	178.3	178.4	178.5	178.5	178.5	178.5
180°	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6



TEST NUMBER: P1444859  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL15

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	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°	32.1	32.9	35.2	36.1	38.9	40.1	40.5	39.1	39.6	38.2	38.6
92.5°	34.1	36.5	38.9	41.3	43.7	46.1	43.9	41.6	39.5	37.3	35.0
95°	46.5	49.9	53.4	57.0	60.4	63.9	60.2	56.4	52.7	48.9	45.2
97.5°	54.5	58.3	62.1	65.8	69.6	73.3	68.8	64.4	60.0	55.7	51.2
100°	77.1	84.5	91.7	99.0	106.3	113.5	105.3	97.0	88.8	80.6	72.2
102.5°	155.6	172.4	189.0	205.7	222.3	239.0	221.4	203.9	186.3	168.7	151.2
105°	291.0	317.8	344.3	371.1	397.7	424.4	396.0	367.5	339.0	310.6	282.1
107.5°	429.3	455.2	481.3	507.3	533.3	559.3	530.5	501.5	472.7	443.8	414.9
110°	508.5	524.1	539.7	555.4	571.0	586.7	565.6	544.6	523.6	502.4	481.3



TEST NUMBER: P1444859  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL15

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	523.6	531.5	539.3	547.2	554.9	562.8	547.7	532.7	517.5	502.5	487.4
115°	491.4	493.7	496.2	498.7	501.3	503.8	493.5	483.4	473.1	463.0	452.8
117.5°	431.8	431.3	430.8	430.5	429.8	429.4	423.8	418.0	412.2	406.5	400.7
120°	371.4	369.1	367.0	365.0	362.7	360.6	358.2	355.7	353.2	350.7	348.2
122.5°	318.7	317.3	315.8	314.2	312.6	311.2	310.1	309.2	308.2	307.2	306.2
125°	277.2	277.1	276.9	276.7	276.6	276.4	275.9	275.4	274.8	274.3	273.7
127.5°	248.5	249.5	250.2	251.1	251.9	252.7	252.4	252.4	252.2	252.0	251.8
130°	230.7	232.2	233.7	235.3	236.6	238.2	237.9	237.6	237.2	236.8	236.6
132.5°	219.7	221.4	223.2	225.0	226.7	228.5	228.1	227.6	227.2	226.9	226.4
135°	212.0	213.7	215.4	217.1	218.6	220.3	219.8	219.4	218.7	218.3	217.9
137.5°	206.5	207.9	209.1	210.4	211.7	213.0	212.5	212.0	211.5	211.0	210.5
140°	202.2	203.3	204.2	205.3	206.4	207.4	206.7	206.2	205.4	204.9	204.2
142.5°	198.6	199.4	200.1	200.9	201.6	202.4	201.5	200.7	199.9	199.1	198.3
145°	196.6	197.0	197.4	198.0	198.3	198.8	197.8	197.0	196.0	195.0	194.2
147.5°	193.3	193.5	193.7	194.0	194.2	194.6	193.6	192.7	191.9	190.9	190.0
150°	189.7	190.0	190.2	190.4	190.7	190.8	189.9	189.0	188.1	187.1	186.3
152.5°	185.4	185.5	185.7	185.9	186.1	186.3	185.5	184.6	183.8	182.8	181.9
155°	182.0	182.2	182.3	182.4	182.5	182.6	181.8	181.2	180.4	179.7	178.9
157.5°	179.8	180.0	180.1	180.2	180.2	180.3	179.8	179.2	178.7	178.1	177.6
160°	178.3	178.4	178.5	178.6	178.7	178.8	178.2	177.8	177.4	176.9	176.3
162.5°	177.7	177.9	178.1	178.2	178.5	178.6	178.1	177.6	177.0	176.4	175.8
165°	177.3	177.4	177.5	177.6	177.6	177.7	177.3	177.0	176.5	176.2	175.8
167.5°	177.7	177.8	177.9	178.0	178.0	178.1	177.7	177.5	177.0	176.6	176.2
170°	177.7	177.8	178.0	178.1	178.3	178.4	178.1	177.8	177.5	177.2	176.9
172.5°	178.6	178.7	178.8	178.9	179.0	179.2	178.9	178.6	178.2	177.8	177.6
175°	178.0	178.1	178.2	178.2	178.2	178.2	177.9	177.6	177.5	177.2	176.9
177.5°	178.5	178.5	178.5	178.5	178.5	178.5	178.3	178.1	177.9	177.7	177.6
180°	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6



TEST NUMBER: P1444859  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL15

**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°	37.2	37.8	36.4	37.0	36.3	37.4	37.1	38.1	37.5	38.4	37.5
92.5°	32.8	30.7	28.4	26.2	25.1	23.9	22.9	21.6	20.6	19.4	18.3
95°	41.3	37.6	33.8	30.1	28.8	27.5	26.3	25.0	23.7	22.4	21.2
97.5°	46.7	42.4	37.9	33.4	32.3	31.2	30.0	28.9	27.8	26.7	25.6
100°	63.9	55.7	47.4	39.1	38.2	37.3	36.3	35.4	34.4	33.4	32.4
102.5°	133.7	116.0	98.5	80.9	77.6	74.2	71.0	67.5	64.2	60.9	57.6
105°	253.6	225.2	196.7	168.2	159.2	150.1	141.0	132.0	122.9	113.9	104.9
107.5°	386.0	357.1	328.2	299.3	282.5	265.8	249.1	232.4	215.6	198.9	182.2
110°	460.2	439.1	418.0	396.8	383.4	370.0	356.5	343.0	329.5	316.0	302.5



TEST NUMBER: P1444859  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL15

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	472.3	457.1	442.0	426.8	420.8	414.7	408.6	402.5	396.3	390.1	384.0
115°	442.5	432.2	422.0	411.7	409.6	407.4	405.4	403.1	400.9	398.7	396.5
117.5°	395.0	389.2	383.4	377.7	378.0	378.3	378.6	379.0	379.3	379.5	379.7
120°	345.7	343.3	340.7	338.3	340.1	341.9	343.8	345.4	347.3	349.0	350.6
122.5°	305.2	304.2	303.2	302.1	304.3	306.5	308.7	310.8	312.9	315.0	317.0
125°	273.3	272.6	272.0	271.5	273.7	275.9	278.2	280.2	282.5	284.5	286.5
127.5°	251.6	251.3	251.2	251.0	252.6	254.0	255.6	257.1	258.5	259.9	261.4
130°	236.2	235.8	235.4	235.2	236.6	237.9	239.3	240.6	241.9	243.1	244.4
132.5°	226.1	225.6	225.1	224.8	225.7	226.6	227.7	228.5	229.4	230.1	231.0
135°	217.4	216.8	216.3	215.8	216.7	217.7	218.5	219.3	220.1	220.8	221.5
137.5°	210.1	209.4	209.0	208.4	209.2	210.1	210.8	211.6	212.2	213.0	213.5
140°	203.7	202.9	202.4	201.7	202.5	203.1	203.8	204.5	205.1	205.6	206.3
142.5°	197.4	196.5	195.9	194.9	195.5	196.0	196.4	196.9	197.3	197.7	198.1
145°	193.3	192.2	191.3	190.4	190.7	191.1	191.5	191.9	192.2	192.5	192.7
147.5°	189.2	188.2	187.3	186.4	186.8	187.0	187.3	187.5	187.8	188.0	188.1
150°	185.3	184.3	183.4	182.4	182.7	182.9	183.1	183.4	183.5	183.7	183.9
152.5°	181.0	180.2	179.2	178.3	178.5	178.7	178.9	179.0	179.1	179.3	179.4
155°	178.2	177.4	176.6	175.9	176.1	176.3	176.4	176.5	176.5	176.7	176.8
157.5°	176.9	176.3	175.7	175.0	175.1	175.1	175.2	175.1	175.1	175.1	175.1
160°	175.9	175.3	174.9	174.2	174.2	174.3	174.3	174.3	174.3	174.2	174.2
162.5°	175.2	174.7	174.0	173.5	173.5	173.5	173.6	173.5	173.4	173.4	173.3
165°	175.3	174.9	174.5	173.9	173.9	173.8	173.8	173.7	173.6	173.5	173.3
167.5°	175.8	175.3	175.0	174.4	174.5	174.5	174.5	174.5	174.5	174.4	174.4
170°	176.5	176.1	175.8	175.4	175.3	175.3	175.2	175.1	175.0	175.0	174.9
172.5°	177.2	176.8	176.5	176.1	176.1	176.0	176.0	175.9	175.8	175.7	175.7
175°	176.6	176.4	176.1	175.8	175.7	175.7	175.7	175.6	175.5	175.5	175.4
177.5°	177.4	177.2	177.0	176.8	176.7	176.7	176.7	176.6	176.6	176.6	176.6
180°	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6



TEST NUMBER: P1444859  
CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL15

**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°	38.3	37.3
92.5°	17.3	16.3
95°	19.9	18.6
97.5°	24.4	23.3
100°	31.5	30.6
102.5°	54.3	50.9
105°	95.8	86.8
107.5°	165.5	148.8
110°	289.0	275.6



TEST NUMBER: P1444859  
CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL15

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	377.9	371.7
115°	394.3	392.1
117.5°	380.0	380.3
120°	352.3	354.0
122.5°	319.1	321.0
125°	288.5	290.5
127.5°	262.6	263.9
130°	245.4	246.6
132.5°	231.7	232.3
135°	222.2	222.7
137.5°	214.1	214.5
140°	206.5	207.1
142.5°	198.4	198.6
145°	193.0	193.2
147.5°	188.1	188.3
150°	184.0	184.1
152.5°	179.5	179.6
155°	176.8	176.9
157.5°	175.0	175.0
160°	174.1	174.1
162.5°	173.3	173.2
165°	173.1	173.0
167.5°	174.3	174.3
170°	174.8	174.7
172.5°	175.6	175.5
175°	175.4	175.4
177.5°	176.6	176.5
180°	177.6	177.6

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

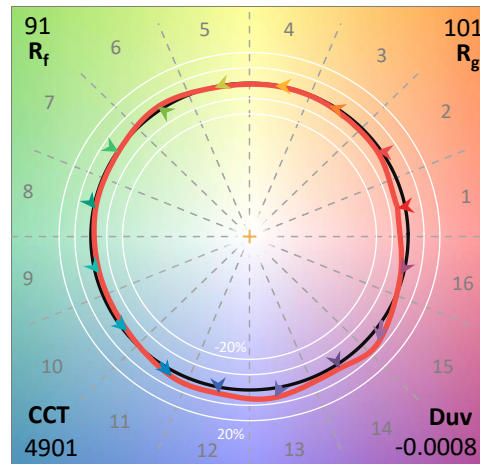
**Test Information**

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**

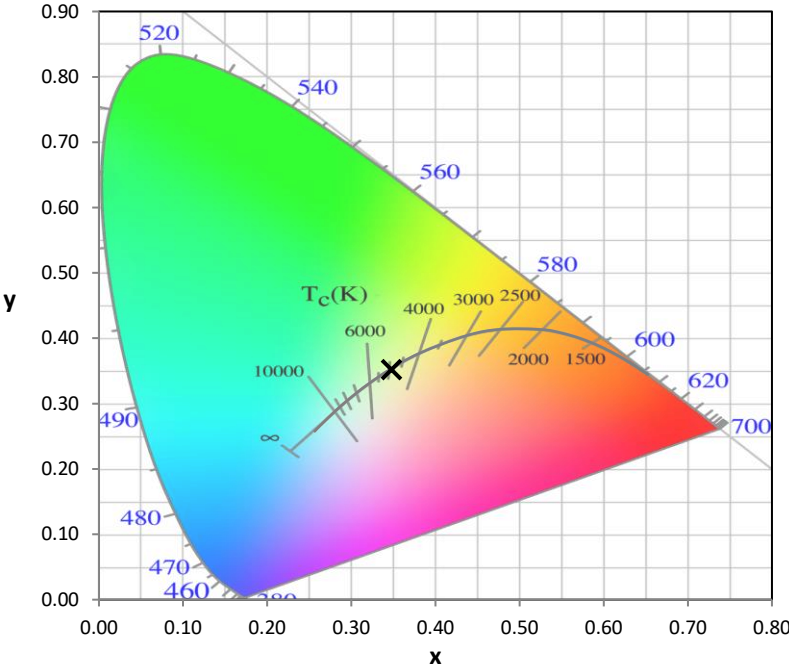
Stabilization Time: 35M  
 Operation Time: 1H 35M  
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-8

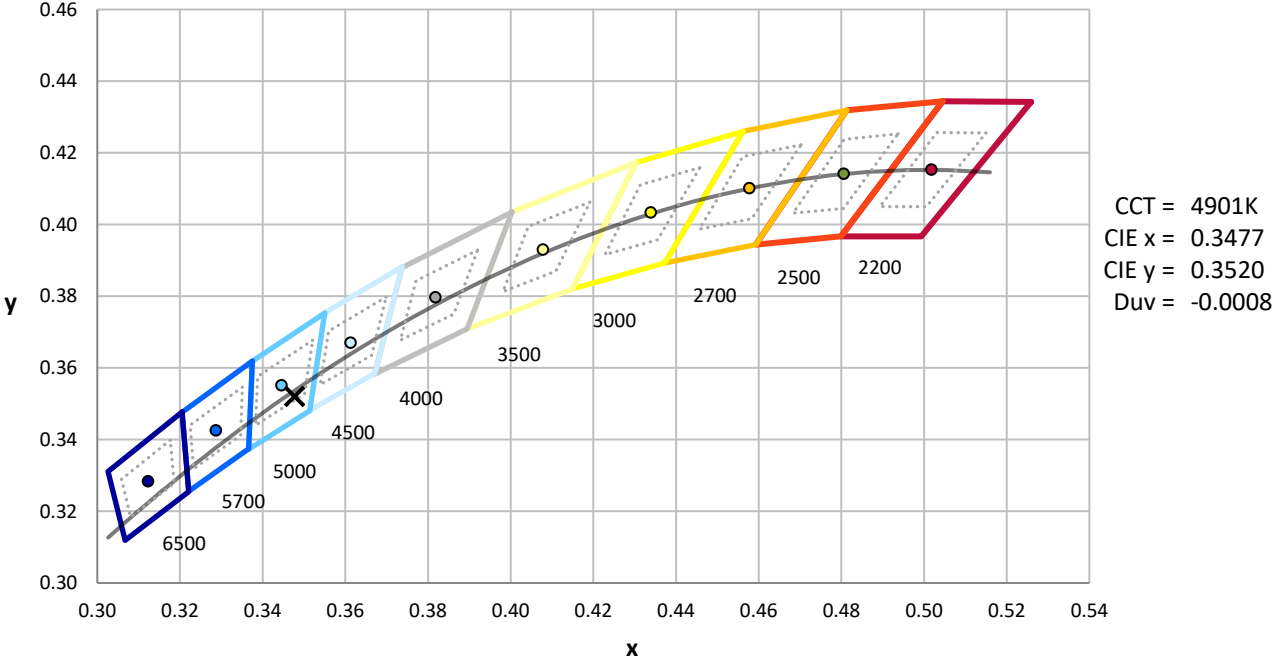
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208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



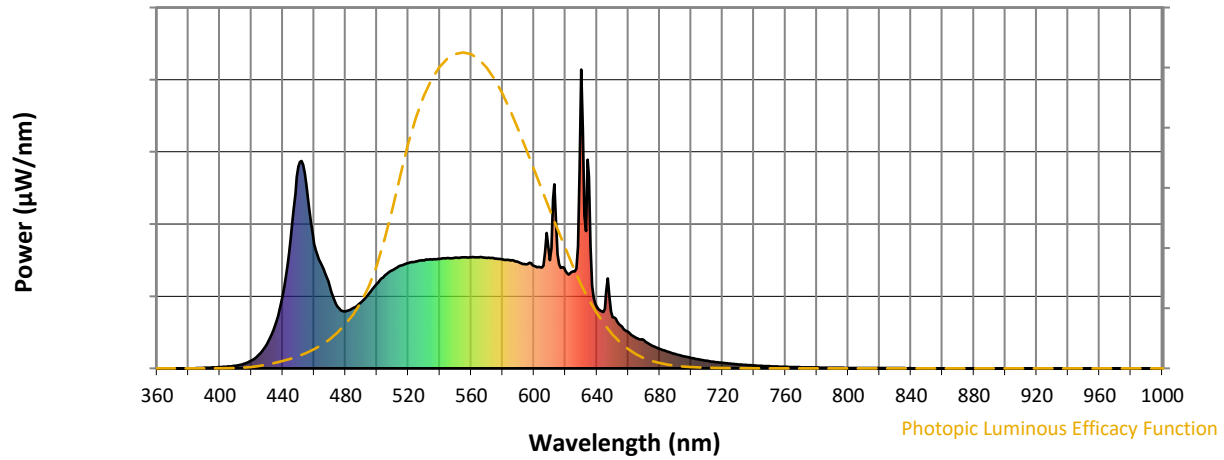
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-8

**Photopic Flux vs. Wavelength**

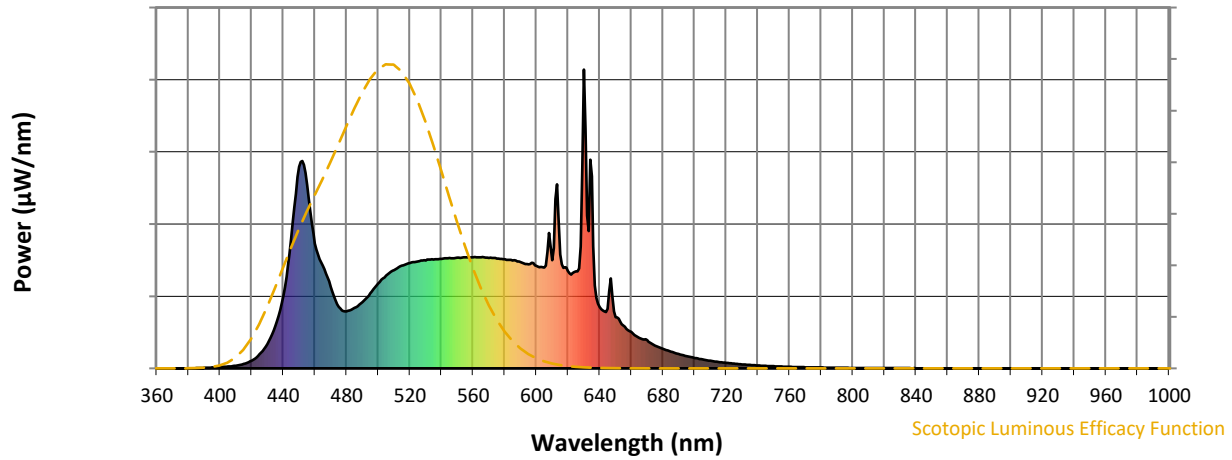


**Photopic Lumens: NR**

$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /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**



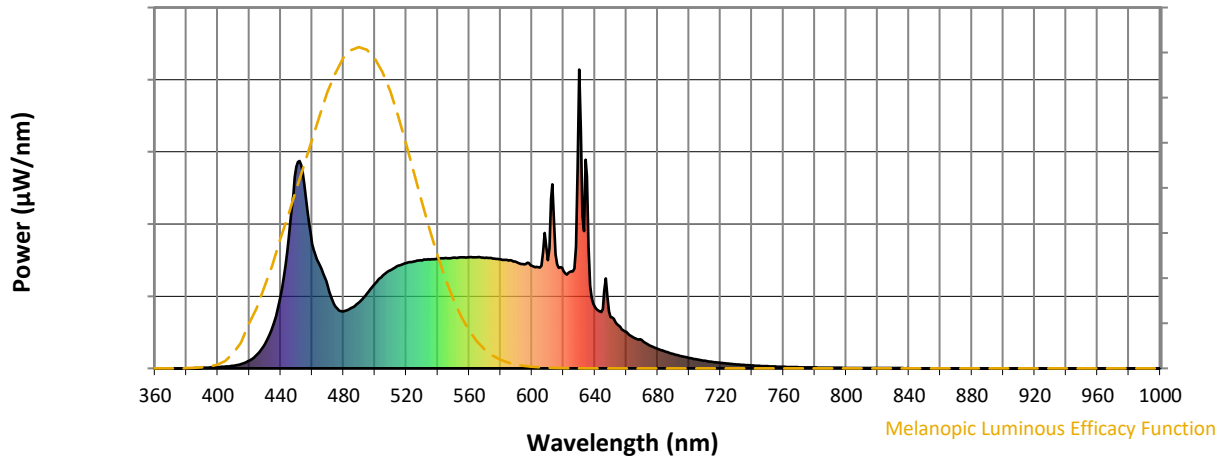
**Scotopic Lumens: NR**

**S/P: 2.04**

λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /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**



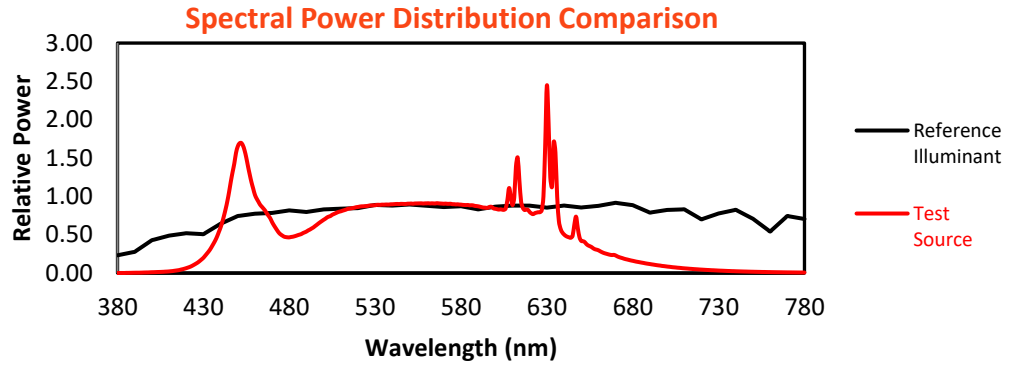
**Melanopic Lumens: NR**

**M/P: 4.41**

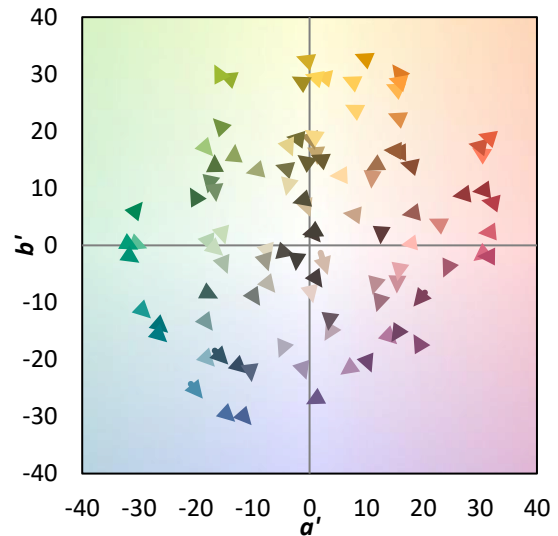
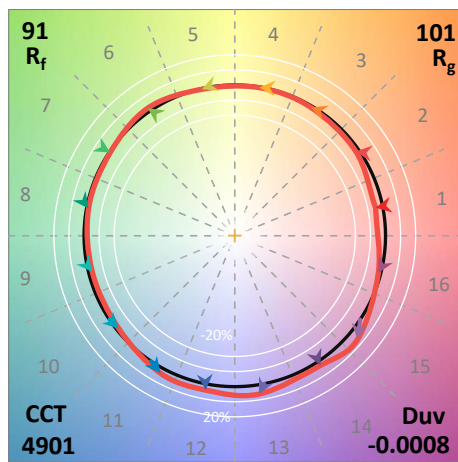
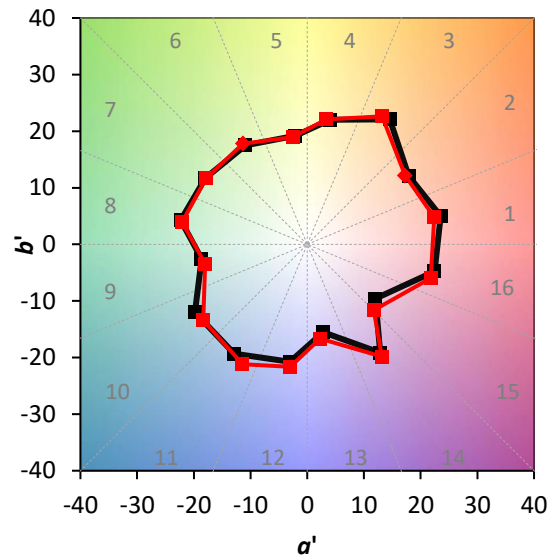
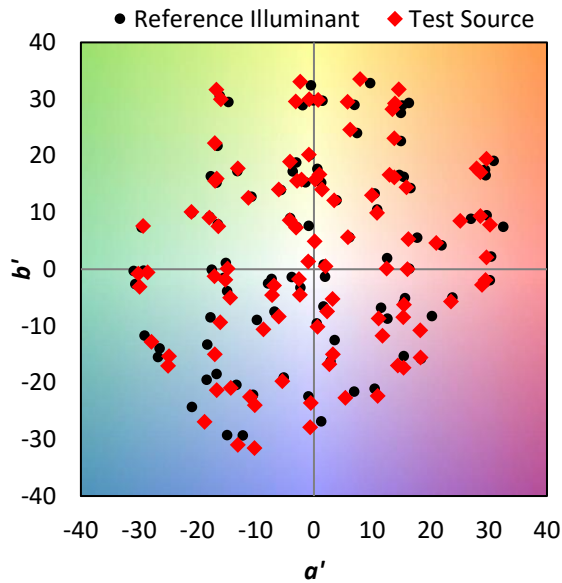
λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	221	NR	620	326	NR	750	7	NR	880	0	NR
365	0	NR	495	250	NR	625	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  $R_a = 94.3$   
 $R_9 = 72.3$

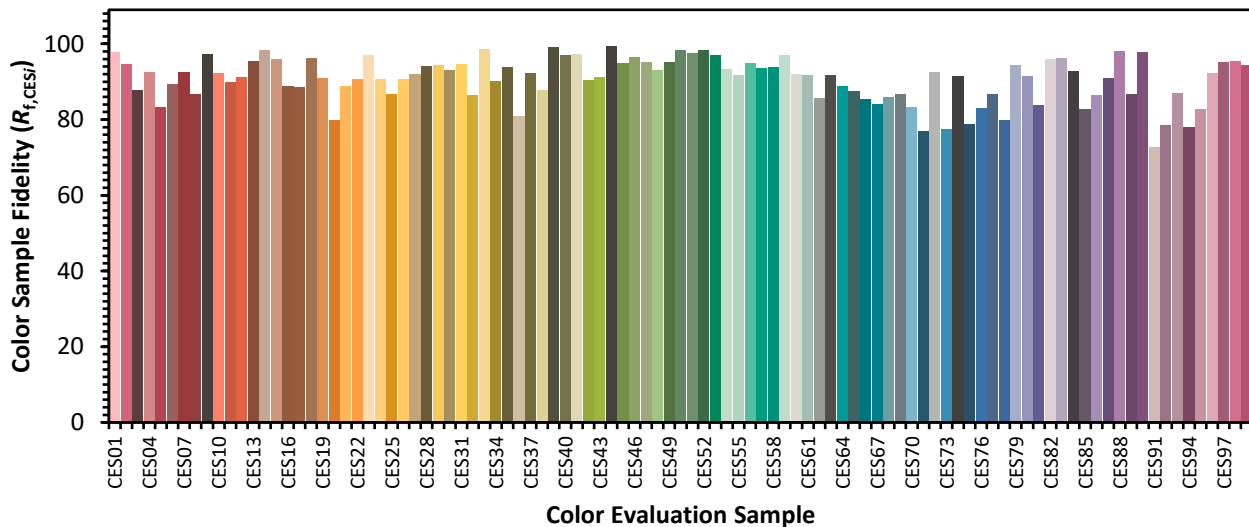


**Color Vector Graphics**

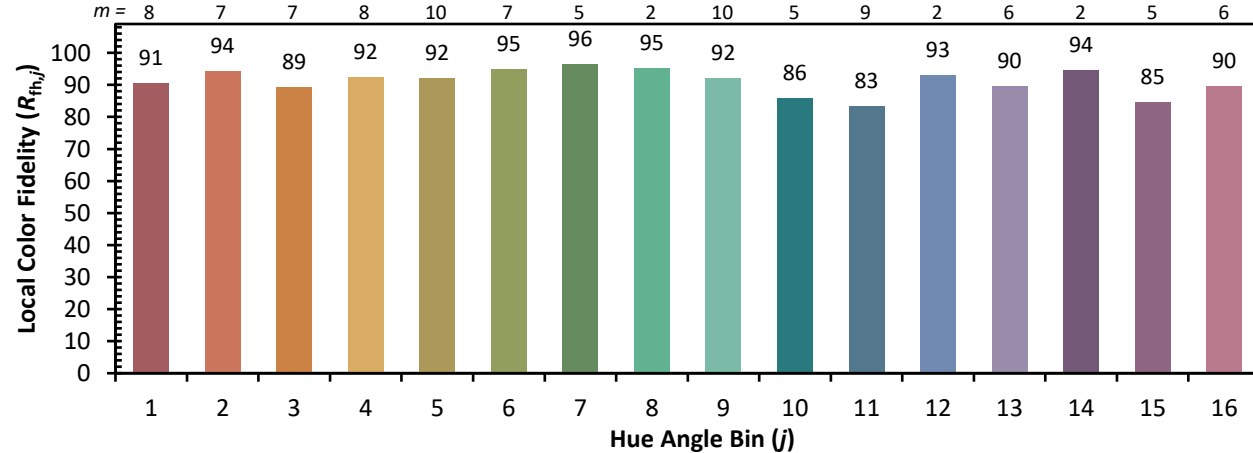
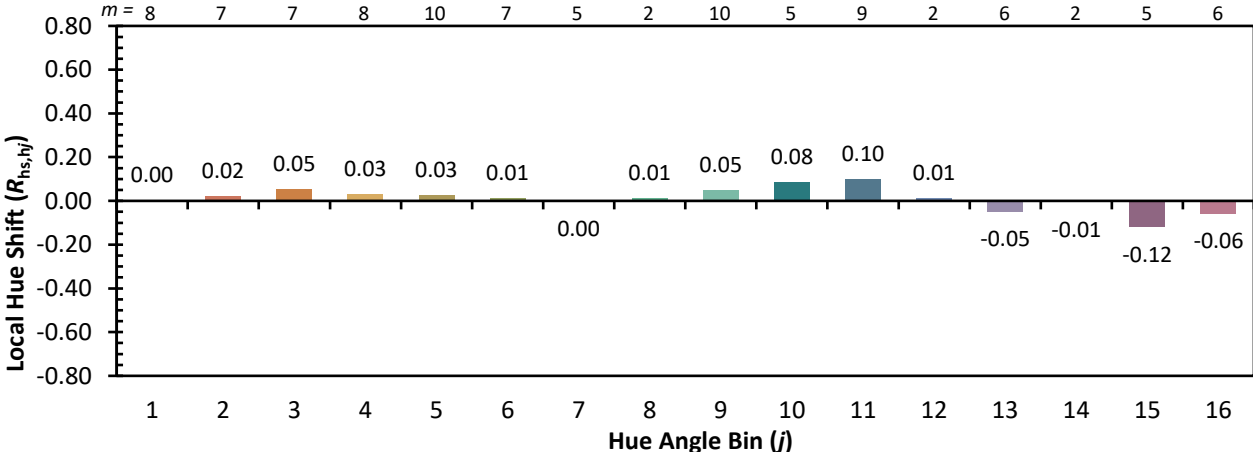
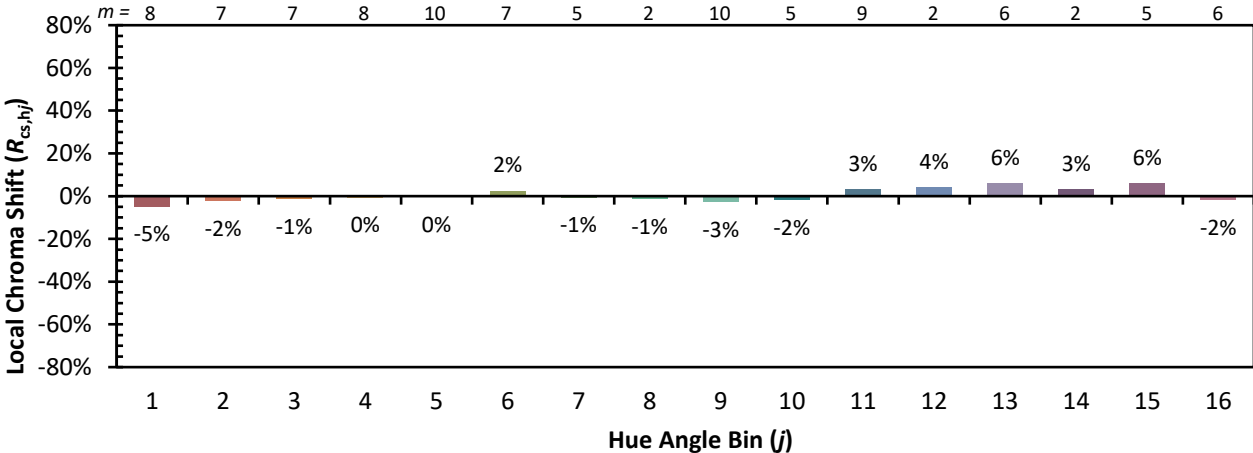


**Individual Sample Fidelity Index ( $R_{f,i}$ )**

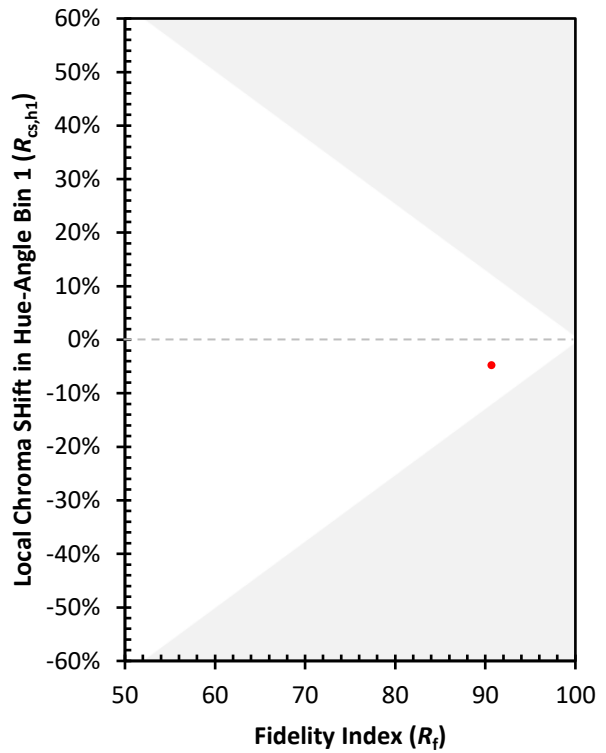
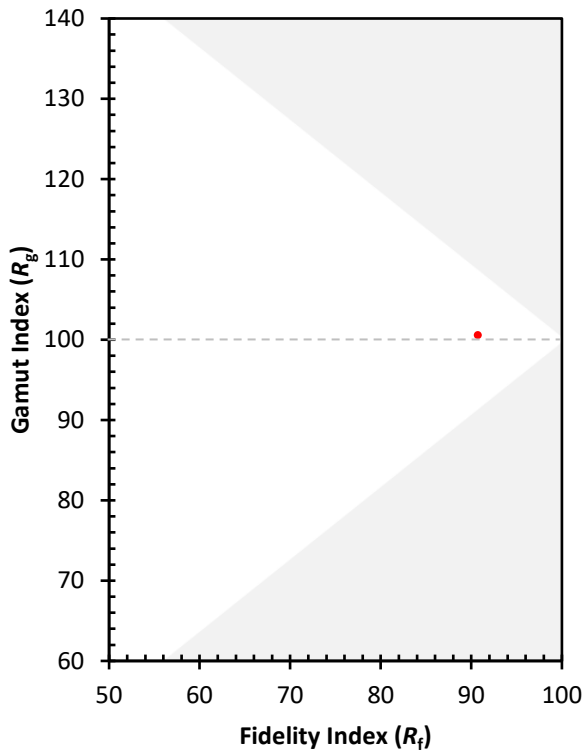
CES01 = 85	CES26 = 91	CES51 = 98	CES76 = 83
CES02 = 61	CES27 = 92	CES52 = 98	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 97	CES78 = 80
CES04 = 69	CES29 = 94	CES54 = 93	CES79 = 94
CES05 = 48	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 50	CES31 = 95	CES56 = 95	CES81 = 84
CES07 = 41	CES32 = 86	CES57 = 94	CES82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