

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: P1444862

Luminaire Tested: EHBR1-12-UNV-TA-L950-UPL30

Issue Date: 5/1/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1444862  
REPORT IS A COMBINATION OF REPORTS P1444336 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-UPL30  
Description: Elevate Round Highbay at, 12000 lumens, 5000K 90CRI LEDs with TA lens  
Light Source: -  
Ballast/Driver: -

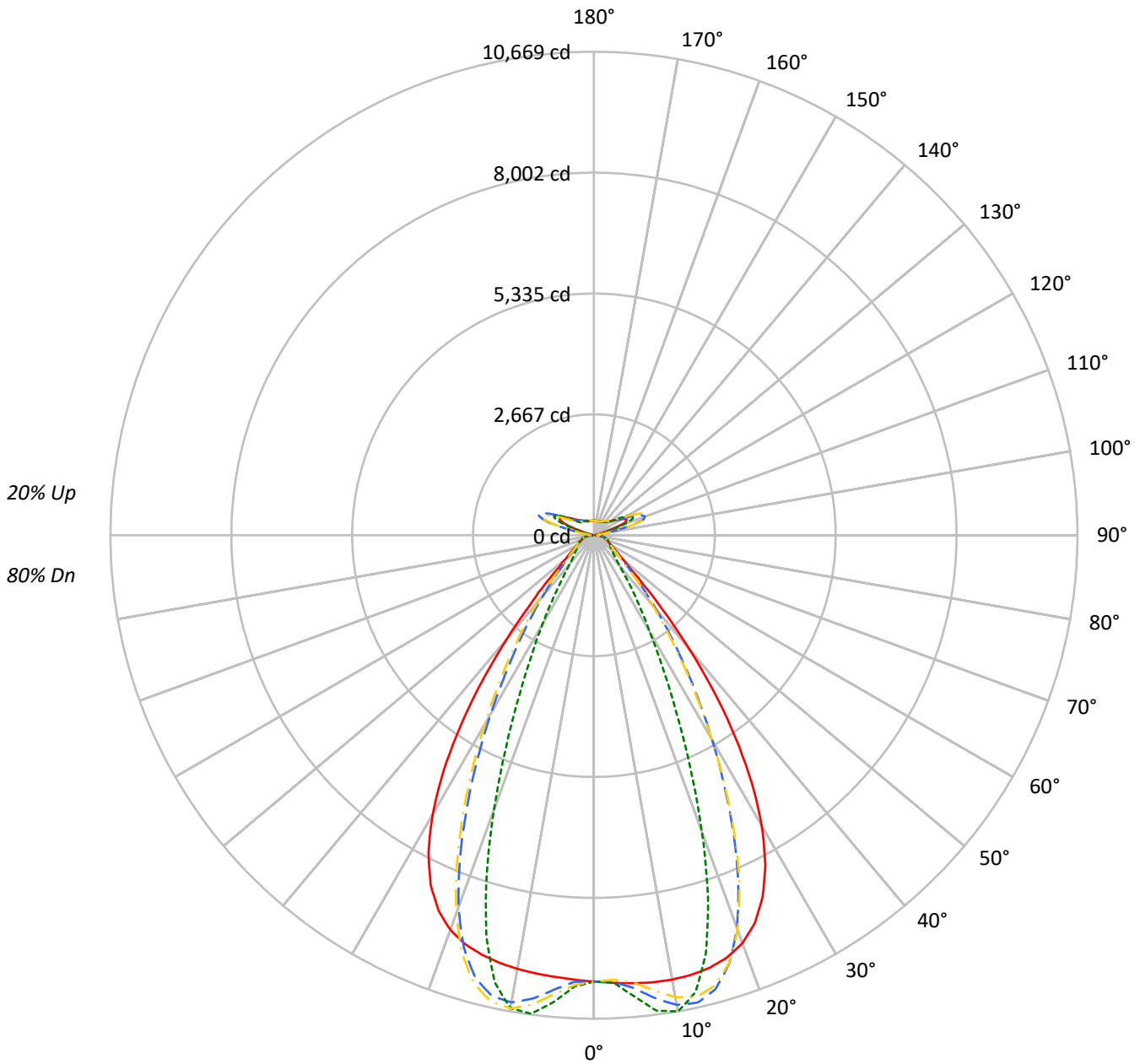
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14235.9 lumens  
Efficiency: N/A  
Efficacy: 164.2 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): 86.7  
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: P1444862  
CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL30

### 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	114	114	114	114	109	109	109	109	100	100	100	91	91	91	83	83	83	83	83	83	80
1	107	103	100	97	102	99	96	94	91	89	87	84	82	81	77	76	75	75	75	75	72
2	100	94	89	85	96	90	86	82	84	80	77	78	75	73	72	70	68	68	68	68	65
3	93	86	80	75	90	83	77	73	77	73	69	72	68	66	67	64	62	62	62	62	59
4	88	79	72	67	84	76	70	66	71	66	63	67	63	60	63	59	57	57	57	57	54
5	82	72	66	61	79	70	64	59	66	61	57	62	58	55	59	55	52	52	52	52	50
6	77	67	60	55	74	65	59	54	61	56	52	58	54	50	55	51	48	48	48	48	46
7	73	62	55	51	70	61	54	50	57	52	48	54	50	47	52	48	45	45	45	45	43
8	69	58	51	47	66	57	50	46	54	48	45	51	47	43	49	45	42	42	42	42	40
9	65	54	48	43	63	53	47	43	50	45	41	48	44	40	46	42	39	39	39	39	37
10	62	51	45	40	60	50	44	40	47	42	39	45	41	38	43	39	37	37	37	37	35

**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	6.8
10°-20°	2730.4	19.2
20°-30°	3109.7	21.8
30°-40°	2235.1	15.7
40°-50°	1030.8	7.2
50°-60°	493.3	3.5
60°-70°	359.9	2.5
70°-80°	273.4	1.9
80°-90°	129.4	0.9
90°-100°	78.6	0.6
100°-110°	496.9	3.5
110°-120°	918.8	6.5
120°-130°	550.4	3.9
130°-140°	338.5	2.4
140°-150°	238.9	1.7
150°-160°	158.6	1.1
160°-170°	91.8	0.6
170°-180°	30.6	0.2
0°-30°	6810.6	47.8
0°-40°	9045.7	63.5
0°-60°	10569.8	74.2
0°-90°	11332.6	79.6
90°-120°	1494.3	10.5
90°-150°	2622.2	18.4
90°-180°	2903.0	20.4
0°-180°	14235.9	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°	48	56	24	27	48	28
95°	36	41	36	41	36	35
105°	175	229	115	229	175	233
115°	797	976	835	976	797	735
125°	582	627	662	628	582	531
135°	436	401	471	402	436	340
145°	368	370	394	372	368	233
155°	330	338	354	339	330	154
165°	316	321	330	322	316	90
175°	317	322	324	322	317	30
180°	321	321	321	321	321	



TEST NUMBER: P1444862  
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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°	47.8	50.6	52.3	55.4	57.0	60.0	61.6	64.7	66.3	69.5	72.5
92.5°	31.6	33.8	36.0	38.4	40.7	43.2	45.6	47.9	50.3	52.7	57.3
95°	36.3	38.9	41.5	44.2	46.8	49.4	52.0	54.7	57.3	59.9	67.6
97.5°	45.9	48.2	50.5	52.8	55.0	57.3	59.6	61.9	64.1	66.4	75.5
100°	60.4	62.3	64.2	66.2	68.1	70.0	71.9	73.9	75.7	77.7	94.7
102.5°	101.6	108.4	115.3	122.1	129.0	135.7	142.6	149.4	156.3	163.1	199.0
105°	174.7	193.2	211.7	230.2	248.7	267.3	285.8	304.3	322.8	341.4	399.8
107.5°	301.1	335.3	369.6	403.9	438.2	472.5	506.7	541.0	575.2	609.5	668.8
110°	560.2	587.7	615.4	642.9	670.5	698.1	725.8	753.2	780.9	808.5	851.8



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 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL30

**CANDELA DISTRIBUTION (continued):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	756.3	768.8	781.4	793.9	806.5	819.0	831.5	844.0	856.6	869.1	900.1
115°	796.7	801.2	805.6	810.1	814.6	819.1	823.6	828.0	832.5	836.9	857.9
117.5°	771.3	770.5	770.0	769.4	768.7	768.1	767.5	766.8	766.2	765.5	777.5
120°	716.0	712.4	708.8	705.1	701.6	697.9	694.3	690.6	687.0	683.2	688.5
122.5°	646.8	642.5	638.2	633.7	629.4	625.0	620.6	616.1	611.7	607.4	609.6
125°	582.4	578.0	573.7	569.4	564.9	560.4	556.1	551.6	547.2	542.7	544.1
127.5°	526.0	523.0	520.1	517.0	514.0	510.9	507.9	504.7	501.7	498.6	499.1
130°	488.4	485.8	483.1	480.5	477.8	475.1	472.4	469.7	466.9	464.1	465.0
132.5°	457.2	455.5	453.8	451.9	450.1	448.2	446.4	444.4	442.5	440.7	441.7
135°	435.6	434.0	432.4	430.7	429.1	427.3	425.5	423.8	422.1	420.2	421.5
137.5°	416.9	415.5	414.1	412.5	411.0	409.5	408.0	406.3	404.7	403.1	404.4
140°	399.7	398.5	397.2	395.8	394.5	393.2	391.8	390.3	388.9	387.5	389.0
142.5°	380.8	379.9	379.1	378.0	377.1	376.0	375.0	373.9	372.9	371.7	373.6
145°	368.1	367.4	366.7	365.9	365.0	364.2	363.4	362.4	361.6	360.8	362.6
147.5°	356.8	356.2	355.7	355.1	354.5	353.8	353.2	352.5	351.9	351.1	353.0
150°	346.9	346.4	345.9	345.4	344.7	344.1	343.4	342.8	342.2	341.4	343.4
152.5°	336.8	336.2	335.8	335.2	334.7	334.0	333.5	332.8	332.2	331.5	333.2
155°	330.0	329.5	328.9	328.4	327.9	327.2	326.6	326.1	325.5	324.8	326.2
157.5°	324.9	324.5	324.3	323.8	323.4	323.1	322.7	322.2	321.8	321.5	322.4
160°	321.7	321.3	320.9	320.5	320.1	319.8	319.4	319.0	318.6	318.2	319.1
162.5°	318.3	317.9	317.6	317.2	316.8	316.5	316.1	315.7	315.3	314.9	315.9
165°	316.5	316.4	316.2	316.0	315.8	315.6	315.4	315.2	315.1	314.9	315.5
167.5°	317.8	317.5	317.2	316.8	316.5	316.3	315.9	315.5	315.2	314.8	315.5
170°	317.4	317.2	317.1	317.0	316.8	316.7	316.6	316.5	316.3	316.2	316.8
172.5°	318.2	318.0	317.9	317.9	317.8	317.7	317.6	317.5	317.4	317.3	317.9
175°	317.3	317.1	317.1	317.0	316.9	316.9	316.8	316.7	316.7	316.6	317.1
177.5°	319.2	319.2	319.2	319.2	319.2	319.2	319.1	319.0	319.0	319.0	319.3
180°	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1



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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°	76.7	79.9	84.1	86.4	89.9	92.1	84.1	85.1	82.3	80.8	77.7
92.5°	62.0	66.5	71.2	75.8	80.5	85.1	88.5	92.8	88.0	83.0	78.3
95°	75.4	83.0	90.7	98.4	106.1	113.7	121.4	129.1	122.0	114.7	107.6
97.5°	84.6	93.7	102.9	111.9	121.0	130.1	139.2	148.3	140.6	132.8	125.1
100°	111.6	128.6	145.5	162.4	179.4	196.4	213.3	230.3	215.5	200.5	185.6
102.5°	235.1	271.0	307.1	343.0	379.1	415.0	451.1	487.1	453.0	418.8	384.7
105°	458.2	516.5	574.9	633.3	691.6	750.0	808.5	866.9	812.3	757.6	703.1
107.5°	728.0	787.2	846.4	905.6	964.9	1024.2	1083.5	1142.8	1089.6	1036.2	983.1
110°	895.1	938.4	981.7	1024.9	1068.2	1111.5	1155.1	1198.4	1166.4	1134.5	1102.6



TEST NUMBER: P1444862  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL30

**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	931.1	962.2	993.2	1024.3	1055.2	1086.2	1117.6	1148.7	1132.9	1116.9	1101.1
115°	879.0	900.0	921.0	942.0	963.1	984.0	1005.4	1026.6	1021.7	1016.7	1012.0
117.5°	789.4	801.3	813.3	825.1	836.9	848.7	861.2	873.2	874.4	875.6	876.8
120°	693.8	699.0	704.2	709.5	714.6	719.8	725.6	730.9	735.7	740.2	745.0
122.5°	611.8	614.1	616.3	618.5	620.7	622.9	625.9	628.3	631.5	635.0	638.4
125°	545.4	546.7	548.1	549.3	550.5	551.9	554.0	555.4	556.1	556.6	557.3
127.5°	499.8	500.4	501.0	501.6	502.2	502.7	504.2	505.0	503.7	502.3	500.9
130°	466.0	466.8	467.7	468.7	469.7	470.5	472.4	473.5	470.8	467.9	465.2
132.5°	442.8	443.9	445.0	446.1	447.1	448.2	450.2	451.5	448.4	445.0	441.8
135°	422.7	424.0	425.3	426.6	427.8	429.2	431.5	433.0	429.9	426.7	423.7
137.5°	405.6	406.9	408.2	409.5	410.7	412.0	414.5	416.1	413.6	411.2	408.8
140°	390.4	391.8	393.2	394.8	396.2	397.7	400.4	402.1	400.4	398.4	396.5
142.5°	375.3	377.1	379.0	380.8	382.7	384.6	387.7	389.9	388.6	387.3	386.0
145°	364.6	366.6	368.7	370.7	372.8	374.8	378.3	380.7	379.9	379.3	378.4
147.5°	354.7	356.6	358.5	360.3	362.3	364.3	367.7	370.0	369.6	369.2	368.9
150°	345.1	347.0	348.8	350.7	352.7	354.6	358.4	360.8	360.4	360.1	359.8
152.5°	334.9	336.5	338.3	340.0	341.7	343.6	347.6	349.9	349.5	349.2	348.9
155°	327.5	328.9	330.3	331.7	333.1	334.6	338.6	340.6	340.5	340.4	340.2
157.5°	323.4	324.5	325.5	326.6	327.6	328.8	332.6	334.4	334.3	334.1	334.0
160°	319.8	320.7	321.6	322.4	323.2	324.3	328.1	329.6	329.6	329.4	329.3
162.5°	316.9	318.0	319.0	320.1	321.2	322.2	326.2	328.0	327.7	327.4	327.1
165°	316.3	316.9	317.7	318.4	319.2	319.9	323.4	324.8	324.7	324.6	324.5
167.5°	316.3	317.0	317.8	318.4	319.2	320.0	323.3	324.7	324.6	324.5	324.4
170°	317.3	317.9	318.5	319.2	319.7	320.5	323.1	324.3	324.1	323.8	323.5
172.5°	318.5	319.2	319.8	320.5	321.0	321.8	324.1	325.3	325.0	324.8	324.4
175°	317.6	318.0	318.6	319.1	319.5	320.1	321.9	322.8	322.7	322.7	322.6
177.5°	319.7	319.9	320.3	320.6	321.0	321.3	322.5	323.1	323.1	323.1	323.0
180°	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1



TEST NUMBER: P1444862  
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**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°	75.6	72.6	71.3	68.8	68.1	65.9	65.5	63.4	63.2	61.8	62.2
92.5°	73.2	68.4	63.4	58.6	53.6	48.9	46.5	44.2	41.9	39.8	37.4
95°	100.4	93.2	86.0	78.9	71.7	64.6	62.0	59.4	56.7	54.1	51.5
97.5°	117.3	109.7	102.0	94.2	86.5	78.8	77.0	75.3	73.6	71.8	70.1
100°	170.8	155.9	141.0	126.1	111.2	96.3	95.0	93.6	92.2	90.8	89.3
102.5°	350.6	316.5	282.4	248.3	214.2	180.0	174.0	168.1	162.1	156.2	150.2
105°	648.4	593.8	539.3	484.6	430.0	375.5	359.2	342.8	326.6	310.3	294.0
107.5°	929.9	876.5	823.4	770.1	716.9	663.7	637.9	612.2	586.5	560.7	535.0
110°	1070.6	1038.7	1006.9	974.8	943.1	911.2	886.6	862.1	837.5	813.1	788.5



TEST NUMBER: P1444862  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL30

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	1085.1	1069.3	1053.4	1037.6	1021.7	1006.0	994.0	982.1	970.2	958.2	946.2
115°	1007.1	1002.1	997.2	992.5	987.6	982.7	982.0	981.2	980.4	979.8	978.9
117.5°	877.9	879.1	880.3	881.6	882.8	884.1	890.6	897.2	903.7	910.3	916.9
120°	749.6	754.2	758.9	763.6	768.2	772.9	781.7	790.5	799.3	808.1	817.1
122.5°	641.8	645.2	648.6	652.1	655.5	658.8	667.6	676.4	685.1	693.9	702.9
125°	557.8	558.4	559.0	559.5	560.2	560.7	568.1	575.3	582.6	590.1	597.4
127.5°	499.6	498.1	496.7	495.4	493.9	492.6	497.1	501.6	506.1	510.6	515.1
130°	462.4	459.6	456.8	454.1	451.2	448.5	450.4	452.5	454.4	456.6	458.5
132.5°	438.4	435.1	431.8	428.4	425.1	421.8	422.2	422.6	423.0	423.4	424.0
135°	420.5	417.4	414.2	411.0	407.9	404.8	404.3	403.8	403.3	402.9	402.5
137.5°	406.4	404.0	401.5	399.1	396.6	394.2	393.3	392.6	391.6	390.9	390.1
140°	394.7	392.9	391.0	389.1	387.2	385.4	384.7	384.0	383.4	382.8	382.1
142.5°	384.7	383.3	382.0	380.7	379.3	378.0	377.3	376.7	376.1	375.5	374.9
145°	377.7	376.9	376.1	375.4	374.6	373.9	373.3	372.9	372.5	372.1	371.8
147.5°	368.5	368.1	367.7	367.4	366.9	366.5	366.3	366.1	365.8	365.7	365.4
150°	359.3	359.0	358.6	358.3	357.9	357.5	357.4	357.4	357.4	357.5	357.3
152.5°	348.5	348.2	347.9	347.6	347.1	346.7	346.7	346.8	346.8	346.8	346.7
155°	340.1	340.0	339.8	339.6	339.4	339.2	339.1	338.9	338.8	338.6	338.4
157.5°	333.9	333.7	333.6	333.5	333.3	333.1	332.9	332.8	332.6	332.5	332.3
160°	329.1	329.0	328.8	328.7	328.5	328.4	328.1	327.7	327.4	327.0	326.8
162.5°	326.8	326.5	326.2	325.9	325.6	325.3	325.1	324.9	324.7	324.6	324.4
165°	324.4	324.3	324.1	323.9	323.8	323.7	323.3	323.0	322.7	322.3	322.0
167.5°	324.3	324.2	324.0	323.9	323.7	323.6	323.3	323.0	322.6	322.3	322.0
170°	323.2	323.0	322.8	322.4	322.1	321.8	321.5	321.2	320.8	320.5	320.3
172.5°	324.3	324.1	323.8	323.5	323.2	323.0	322.7	322.4	322.1	321.8	321.7
175°	322.5	322.5	322.5	322.3	322.3	322.2	322.1	322.1	322.0	322.0	321.9
177.5°	323.0	323.0	323.0	322.9	322.9	322.9	322.6	322.4	322.2	321.9	321.8
180°	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1



TEST NUMBER: P1444862  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL30

**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°	60.4	60.1	57.6	56.5	56.8	58.4	57.9	58.7	57.2	57.7	56.5
92.5°	35.1	32.8	30.5	28.2	30.7	32.8	35.2	37.4	39.7	41.9	44.2
95°	48.9	46.2	43.6	41.0	43.1	45.2	47.3	49.3	51.5	53.5	55.7
97.5°	68.3	66.6	64.9	63.1	64.3	65.5	66.7	67.9	69.2	70.4	71.7
100°	87.9	86.5	85.1	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
102.5°	144.3	138.3	132.4	126.5	130.4	134.4	138.5	142.5	146.5	150.5	154.7
105°	277.7	261.5	245.2	228.9	244.6	260.4	276.1	291.9	307.6	323.5	339.2
107.5°	509.2	483.6	457.9	432.1	460.8	489.6	518.2	546.9	575.6	604.3	633.0
110°	764.1	739.6	715.1	690.6	721.1	751.5	781.9	812.3	842.8	873.2	903.7



TEST NUMBER: P1444862  
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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°	934.3	922.4	910.5	898.6	918.2	937.8	957.4	977.1	996.7	1016.4	1035.9
115°	978.3	977.5	976.9	976.1	985.4	994.7	1003.9	1013.2	1022.6	1031.9	1041.2
117.5°	923.4	930.1	936.7	943.4	946.4	949.4	952.3	955.3	958.4	961.4	964.4
120°	825.9	834.7	843.6	852.6	851.3	850.1	848.9	847.7	846.6	845.4	844.4
122.5°	711.7	720.5	729.4	738.4	735.8	733.1	730.5	727.9	725.4	722.8	720.3
125°	604.9	612.4	619.8	627.3	624.7	622.0	619.4	616.9	614.3	611.8	609.4
127.5°	519.7	524.5	529.1	533.8	532.6	531.4	530.2	529.0	527.9	526.8	525.7
130°	460.7	462.9	465.1	467.3	467.6	468.0	468.4	468.8	469.4	469.9	470.3
132.5°	424.5	425.1	425.6	426.3	427.7	429.1	430.6	432.0	433.6	435.1	436.8
135°	402.2	401.8	401.6	401.3	403.4	405.5	407.6	409.7	412.1	414.3	416.7
137.5°	389.4	388.6	388.1	387.4	389.6	391.6	393.9	396.0	398.2	400.5	403.0
140°	381.6	381.1	380.8	380.2	382.3	384.4	386.5	388.6	391.0	393.2	395.5
142.5°	374.3	373.9	373.4	372.9	374.9	376.8	378.8	380.8	382.9	384.9	387.0
145°	371.5	371.1	370.8	370.5	371.8	373.2	374.7	376.2	377.8	379.3	380.8
147.5°	365.3	365.1	365.0	365.0	366.0	367.0	368.1	369.1	370.3	371.4	372.7
150°	357.5	357.5	357.5	357.7	358.4	359.0	359.8	360.4	361.2	361.9	362.8
152.5°	346.8	346.8	347.0	347.1	347.8	348.4	349.2	349.7	350.6	351.2	352.0
155°	338.4	338.2	338.1	338.0	338.3	338.7	338.9	339.2	339.6	340.0	340.2
157.5°	332.3	332.1	332.1	331.9	332.0	332.1	332.3	332.3	332.4	332.5	332.7
160°	326.6	326.2	325.8	325.6	325.8	326.1	326.4	326.6	327.0	327.2	327.4
162.5°	324.4	324.2	324.1	323.9	323.9	323.7	323.6	323.5	323.4	323.3	323.3
165°	321.8	321.4	321.1	320.7	320.8	320.9	321.0	321.1	321.1	321.2	321.3
167.5°	321.8	321.4	321.1	320.7	320.5	320.2	320.0	319.6	319.5	319.2	319.1
170°	320.0	319.7	319.4	319.2	319.1	319.0	319.0	318.8	318.8	318.8	318.8
172.5°	321.4	321.1	320.8	320.5	320.5	320.5	320.4	320.4	320.3	320.3	320.3
175°	321.8	321.8	321.8	321.7	321.5	321.3	321.1	320.9	320.8	320.5	320.4
177.5°	321.7	321.4	321.2	321.0	321.0	321.0	321.0	321.0	321.0	320.9	320.9
180°	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1



TEST NUMBER: P1444862  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL30

**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°	57.4	56.6	58.7	59.4	61.8	62.6	65.5	66.9	69.9	71.2	74.2
92.5°	46.5	48.7	52.9	57.1	61.3	65.5	69.7	74.0	78.1	82.4	86.5
95°	57.7	59.8	65.4	71.0	76.7	82.2	87.9	93.5	99.1	104.7	110.3
97.5°	72.9	74.1	79.7	85.4	91.0	96.5	102.2	107.9	113.4	119.1	124.7
100°	83.7	83.8	99.7	115.7	131.6	147.5	163.4	179.3	195.3	211.3	227.2
102.5°	158.7	162.7	202.9	243.1	283.4	323.6	363.9	404.2	444.4	484.7	524.9
105°	355.0	370.7	432.1	493.6	555.0	616.4	677.8	739.3	800.6	862.1	923.5
107.5°	661.7	690.4	746.0	801.5	856.8	912.4	968.0	1023.4	1078.9	1134.4	1190.0
110°	934.1	964.6	1001.8	1038.8	1076.0	1113.2	1150.3	1187.5	1224.7	1261.8	1299.1



TEST NUMBER: P1444862  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL30

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	1055.5	1075.2	1096.7	1118.3	1139.9	1161.5	1183.1	1204.7	1226.4	1248.0	1269.7
115°	1050.5	1059.8	1068.0	1076.5	1084.7	1093.1	1101.5	1109.9	1118.3	1126.6	1135.0
117.5°	967.5	970.6	971.7	973.0	974.1	975.3	976.6	977.8	979.0	980.4	981.5
120°	843.2	842.1	840.5	838.9	837.3	835.7	834.3	832.8	831.2	829.7	828.2
122.5°	717.7	715.3	713.7	712.2	710.7	709.2	707.7	706.2	704.8	703.3	701.9
125°	606.9	604.5	605.4	606.3	607.4	608.3	609.3	610.3	611.4	612.3	613.4
127.5°	524.7	523.7	526.5	529.5	532.5	535.4	538.3	541.3	544.3	547.2	550.1
130°	471.0	471.5	475.3	479.1	483.0	486.9	490.7	494.6	498.4	502.2	506.1
132.5°	438.4	440.1	443.7	447.4	451.0	454.7	458.4	462.1	465.7	469.5	473.1
135°	418.9	421.4	424.7	427.9	431.3	434.6	438.0	441.3	444.6	448.0	451.3
137.5°	405.2	407.6	410.2	412.8	415.3	418.1	420.6	423.3	425.8	428.5	431.0
140°	397.8	400.3	401.5	403.0	404.3	405.7	407.0	408.4	409.6	411.1	412.4
142.5°	389.1	391.3	392.1	392.9	393.7	394.5	395.3	396.1	396.8	397.6	398.4
145°	382.3	384.0	383.8	383.7	383.6	383.5	383.4	383.3	383.1	383.0	382.8
147.5°	373.8	375.0	374.5	374.3	374.0	373.5	373.2	372.9	372.4	372.1	371.7
150°	363.5	364.4	363.7	363.3	362.6	362.1	361.4	360.9	360.2	359.8	359.1
152.5°	352.7	353.5	352.8	352.2	351.6	351.0	350.3	349.7	349.1	348.4	347.9
155°	340.6	341.0	340.6	340.3	340.1	339.7	339.3	339.0	338.8	338.5	338.2
157.5°	332.8	333.0	332.8	332.6	332.3	332.3	332.2	332.0	331.9	331.8	331.7
160°	327.7	328.1	327.8	327.6	327.4	327.2	327.1	327.0	327.0	326.9	326.8
162.5°	323.2	323.1	323.0	322.8	322.7	322.5	322.4	322.3	322.2	322.1	322.0
165°	321.5	321.7	321.2	320.9	320.6	320.3	320.0	319.7	319.5	319.2	319.0
167.5°	318.8	318.6	318.6	318.7	318.7	318.7	318.8	318.9	319.0	319.1	319.2
170°	318.7	318.8	318.5	318.4	318.2	318.0	317.9	317.8	317.8	317.6	317.5
172.5°	320.3	320.3	319.9	319.5	319.2	318.9	318.5	318.2	317.9	317.6	317.2
175°	320.2	320.0	319.8	319.6	319.4	319.2	319.1	318.9	318.7	318.5	318.3
177.5°	320.9	320.8	320.7	320.7	320.7	320.7	320.7	320.6	320.6	320.6	320.5
180°	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1



TEST NUMBER: P1444862  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL30

**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°	69.7	66.8	62.3	59.5	55.1	51.7	46.9	43.7	39.1	37.8	35.5
92.5°	81.8	77.0	72.4	67.5	63.0	58.3	53.5	48.8	44.0	42.4	40.9
95°	103.5	96.6	89.8	83.0	76.2	69.3	62.5	55.7	48.9	47.5	46.1
97.5°	116.6	108.6	100.5	92.4	84.5	76.4	68.4	60.4	52.3	51.5	50.5
100°	208.6	190.2	171.6	153.1	134.5	116.0	97.6	79.1	60.5	59.5	58.3
102.5°	480.0	435.1	390.2	345.3	300.4	255.4	210.5	165.6	120.7	114.2	107.8
105°	855.6	787.5	719.6	651.7	583.6	515.6	447.6	379.5	311.6	289.8	267.9
107.5°	1126.0	1062.1	998.1	934.2	870.2	806.3	742.4	678.3	614.3	576.0	537.5
110°	1248.2	1197.3	1146.7	1095.9	1045.1	994.2	943.4	892.6	841.8	808.5	775.5



TEST NUMBER: P1444862  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL30

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	1232.4	1195.0	1157.8	1120.4	1083.3	1045.8	1008.6	971.2	933.9	913.7	893.4
115°	1112.4	1089.9	1067.4	1044.7	1022.2	999.5	977.0	954.4	931.7	920.9	910.2
117.5°	969.9	958.2	946.5	934.8	923.1	911.4	899.7	887.9	876.2	872.3	868.3
120°	824.5	820.7	816.8	813.1	809.3	805.4	801.5	797.7	793.9	794.1	794.3
122.5°	702.9	703.8	704.8	705.7	706.7	707.5	708.5	709.4	710.3	712.7	715.3
125°	616.3	619.2	622.1	625.0	627.8	630.7	633.7	636.4	639.3	641.8	644.3
127.5°	553.5	556.7	560.1	563.2	566.7	569.9	573.2	576.3	579.6	581.8	584.0
130°	508.9	511.7	514.4	517.1	519.9	522.6	525.3	528.1	530.8	532.4	533.9
132.5°	475.5	477.9	480.4	482.8	485.2	487.6	490.1	492.4	494.9	495.9	497.0
135°	453.0	454.6	456.4	458.1	459.9	461.5	463.3	465.0	466.7	467.3	467.8
137.5°	432.4	433.7	435.1	436.4	437.8	439.1	440.5	441.9	443.3	443.2	443.3
140°	413.9	415.4	416.8	418.3	419.9	421.4	422.9	424.4	426.0	426.0	426.1
142.5°	399.4	400.5	401.7	402.8	404.0	405.1	406.2	407.5	408.6	408.6	408.6
145°	384.2	385.6	387.1	388.5	389.9	391.3	393.0	394.5	396.1	395.8	395.7
147.5°	372.9	374.2	375.4	376.6	378.0	379.2	380.5	381.9	383.3	383.0	382.9
150°	360.5	361.8	363.2	364.6	366.0	367.5	369.0	370.4	372.0	372.1	372.2
152.5°	349.3	350.8	352.3	353.9	355.6	357.2	358.9	360.5	362.2	362.3	362.4
155°	339.7	341.2	342.8	344.3	345.9	347.5	349.2	350.7	352.4	352.7	353.0
157.5°	333.0	334.3	335.8	337.2	338.6	340.0	341.5	342.9	344.3	344.6	344.8
160°	328.0	329.2	330.4	331.6	332.9	334.1	335.3	336.6	337.8	338.1	338.3
162.5°	323.2	324.4	325.7	326.9	328.1	329.3	330.6	331.8	333.0	333.2	333.5
165°	319.8	320.6	321.5	322.3	323.1	324.1	324.9	325.7	326.7	327.0	327.3
167.5°	319.9	320.4	321.1	321.8	322.4	323.1	323.8	324.4	325.1	325.5	325.7
170°	318.1	318.7	319.2	320.0	320.5	321.2	321.8	322.4	323.1	323.4	323.8
172.5°	317.7	318.0	318.4	318.9	319.2	319.7	320.1	320.5	321.0	321.5	321.8
175°	318.5	318.7	319.0	319.2	319.2	319.5	319.7	320.0	320.3	320.6	321.0
177.5°	320.7	320.9	321.1	321.3	321.5	321.7	321.9	322.1	322.3	322.9	323.3
180°	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1



TEST NUMBER: P1444862  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL30

**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°	34.2	32.1	30.8	28.7	27.4	25.6	24.5	25.5	26.6	27.7	28.8
92.5°	39.3	37.7	36.2	34.7	33.1	31.5	29.9	31.5	33.1	34.7	36.2
95°	44.7	43.3	41.9	40.5	39.1	37.7	36.3	37.7	39.1	40.6	42.0
97.5°	49.7	48.8	47.9	47.0	46.2	45.2	44.4	45.2	46.2	47.0	47.9
100°	57.3	56.3	55.2	54.2	53.1	52.0	51.0	52.1	53.2	54.3	55.3
102.5°	101.3	94.8	88.4	81.9	75.4	68.9	62.4	68.9	75.4	81.9	88.5
105°	246.0	224.2	202.3	180.4	158.6	136.7	114.8	136.8	158.7	180.5	202.4
107.5°	498.9	460.6	422.1	383.6	345.1	306.6	268.1	306.7	345.2	383.7	422.2
110°	742.3	709.0	675.8	642.7	609.4	576.2	543.0	576.2	609.4	642.7	675.9



TEST NUMBER: P1444862  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL30

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	873.2	853.0	832.7	812.5	792.3	772.0	751.7	772.0	792.3	812.7	832.9
115°	899.5	888.7	877.9	867.1	856.4	845.6	834.7	845.7	856.6	867.3	878.2
117.5°	864.4	860.5	856.6	852.7	848.8	844.8	840.8	844.9	849.0	853.0	857.0
120°	794.4	794.6	794.8	794.9	795.0	795.1	795.2	795.2	795.2	795.2	795.2
122.5°	717.7	720.2	722.6	725.1	727.5	730.0	732.2	730.1	727.8	725.6	723.2
125°	646.8	649.5	652.0	654.4	656.8	659.3	661.6	659.5	657.3	654.9	652.6
127.5°	586.2	588.4	590.5	592.8	594.8	596.9	598.9	597.0	595.2	593.2	591.3
130°	535.4	537.0	538.4	540.0	541.5	542.9	544.2	543.1	541.9	540.7	539.3
132.5°	497.9	499.0	500.0	501.0	501.8	502.8	503.6	503.0	502.3	501.6	500.8
135°	468.4	468.8	469.3	469.8	470.2	470.6	470.9	470.9	470.7	470.5	470.2
137.5°	443.4	443.4	443.3	443.2	443.2	443.0	442.8	443.3	443.7	444.0	444.3
140°	426.0	426.1	426.1	426.0	426.0	425.9	425.6	426.2	426.5	426.8	427.1
142.5°	408.7	408.7	408.7	408.6	408.6	408.4	408.3	408.7	409.1	409.4	409.6
145°	395.5	395.3	395.2	395.0	394.6	394.3	393.9	394.6	395.1	395.6	396.2
147.5°	382.6	382.4	382.2	382.0	381.6	381.4	380.9	381.6	382.1	382.6	383.2
150°	372.4	372.5	372.7	372.8	372.8	372.8	372.7	372.9	373.2	373.4	373.6
152.5°	362.4	362.5	362.7	362.7	362.8	362.7	362.6	363.0	363.3	363.6	363.7
155°	353.2	353.4	353.6	353.8	354.0	354.2	354.4	354.5	354.5	354.6	354.7
157.5°	345.0	345.3	345.4	345.6	345.8	346.0	346.2	346.4	346.5	346.7	346.7
160°	338.5	338.8	338.8	339.1	339.3	339.5	339.6	339.8	340.0	340.1	340.1
162.5°	333.6	333.8	333.9	334.2	334.3	334.5	334.7	334.9	335.0	335.1	335.2
165°	327.7	328.1	328.3	328.7	329.1	329.5	329.7	329.7	329.6	329.6	329.6
167.5°	326.1	326.5	326.7	327.0	327.3	327.7	328.0	328.0	327.9	327.8	327.8
170°	324.1	324.4	324.6	324.9	325.3	325.6	325.8	325.7	325.7	325.7	325.6
172.5°	322.2	322.8	323.2	323.7	324.1	324.5	325.0	324.8	324.4	324.3	323.9
175°	321.4	321.8	322.2	322.7	323.0	323.4	323.9	323.5	323.3	323.1	322.8
177.5°	324.0	324.6	325.1	325.7	326.2	326.7	327.3	326.8	326.3	325.8	325.3
180°	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1



TEST NUMBER: P1444862  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL30

**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°	29.9	31.0	32.1	33.4	34.7	37.7	40.8	43.9	47.1	50.1	53.2
92.5°	37.7	39.3	40.9	42.5	44.0	48.8	53.5	58.3	63.1	67.6	72.4
95°	43.4	44.8	46.2	47.7	49.1	55.8	62.7	69.5	76.4	83.2	90.0
97.5°	48.9	49.8	50.6	51.6	52.4	60.5	68.5	76.6	84.6	92.6	100.7
100°	56.4	57.4	58.4	59.6	60.7	79.3	97.7	116.3	134.8	153.3	171.8
102.5°	94.9	101.4	107.9	114.4	120.9	165.8	210.8	255.7	300.6	345.5	390.5
105°	224.3	246.1	268.0	290.0	311.8	379.8	447.9	515.9	583.9	652.0	720.0
107.5°	460.7	499.1	537.8	576.2	614.7	678.7	742.6	806.7	870.7	934.6	998.5
110°	709.2	742.4	775.7	808.9	842.1	893.0	943.9	994.7	1045.5	1096.4	1147.3



TEST NUMBER: P1444862  
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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°	853.3	873.5	893.7	914.1	934.3	971.7	1009.1	1046.5	1083.9	1121.1	1158.4
115°	889.1	899.8	910.6	921.4	932.3	955.0	977.6	1000.3	1023.0	1045.4	1068.2
117.5°	861.0	865.0	868.9	872.9	876.8	888.6	900.4	912.2	924.0	935.8	947.5
120°	795.2	795.1	795.0	794.9	794.8	798.6	802.6	806.5	810.3	814.2	818.0
122.5°	720.9	718.5	716.2	713.7	711.3	710.4	709.6	708.6	707.9	706.9	706.0
125°	650.2	647.9	645.4	643.0	640.5	637.7	635.0	632.0	629.2	626.4	623.5
127.5°	589.3	587.2	585.2	583.1	581.0	577.7	574.6	571.3	568.2	564.8	561.6
130°	538.0	536.7	535.3	533.7	532.4	529.6	526.9	524.2	521.5	518.8	516.1
132.5°	500.1	499.2	498.4	497.4	496.5	494.1	491.9	489.4	486.9	484.6	482.3
135°	470.0	469.7	469.3	468.9	468.5	466.8	465.1	463.4	461.9	460.1	458.4
137.5°	444.6	444.8	444.9	445.0	445.1	443.8	442.4	441.1	439.9	438.5	437.2
140°	427.3	427.5	427.8	427.8	427.9	426.5	425.1	423.6	422.2	420.6	419.1
142.5°	409.9	410.2	410.3	410.5	410.7	409.6	408.4	407.4	406.3	405.2	404.1
145°	396.5	396.9	397.4	397.6	398.0	396.6	395.2	393.8	392.5	391.0	389.7
147.5°	383.6	384.0	384.5	384.8	385.3	384.1	382.9	381.7	380.6	379.3	378.2
150°	373.7	373.8	374.0	374.1	374.2	372.9	371.6	370.2	369.0	367.6	366.3
152.5°	363.8	364.0	364.2	364.3	364.5	363.1	361.6	360.2	358.7	357.2	355.8
155°	354.8	354.8	354.8	354.8	354.8	353.4	352.0	350.6	349.3	347.9	346.5
157.5°	346.7	346.8	346.9	346.9	347.0	345.8	344.6	343.3	342.1	340.8	339.6
160°	340.2	340.3	340.4	340.5	340.5	339.5	338.5	337.4	336.4	335.2	334.2
162.5°	335.3	335.5	335.5	335.6	335.7	334.7	333.6	332.5	331.5	330.5	329.5
165°	329.6	329.5	329.4	329.2	329.1	328.4	327.8	327.1	326.4	325.7	324.9
167.5°	327.8	327.6	327.5	327.4	327.3	326.8	326.4	325.7	325.2	324.7	324.2
170°	325.6	325.4	325.3	325.2	325.0	324.4	324.1	323.5	323.1	322.5	321.9
172.5°	323.7	323.3	323.1	322.9	322.5	322.1	321.8	321.5	321.2	320.8	320.5
175°	322.4	322.1	321.8	321.6	321.2	321.1	320.9	320.7	320.5	320.5	320.3
177.5°	324.8	324.4	323.8	323.3	322.9	322.7	322.5	322.3	322.2	322.1	321.9
180°	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1



TEST NUMBER: P1444862  
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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°	56.4	62.4	65.5	63.0	59.6	57.0	53.7	51.2	47.9	45.5	42.4
92.5°	77.1	81.9	86.6	82.4	78.2	74.0	69.8	65.6	61.4	57.1	53.0
95°	96.8	103.6	110.4	104.8	99.1	93.5	87.9	82.3	76.7	71.1	65.5
97.5°	108.8	116.7	124.8	119.2	113.5	107.9	102.3	96.6	91.1	85.5	79.8
100°	190.4	208.8	227.3	211.4	195.4	179.5	163.6	147.5	131.7	115.8	99.8
102.5°	435.3	480.2	525.0	484.8	444.6	404.3	364.0	323.8	283.6	243.2	203.0
105°	787.9	855.8	923.7	862.2	800.8	739.4	678.0	616.5	555.1	493.6	432.2
107.5°	1062.5	1126.3	1190.1	1134.5	1079.1	1023.6	968.0	912.6	857.0	801.5	746.1
110°	1198.0	1248.5	1299.3	1262.0	1224.9	1187.7	1150.5	1113.3	1076.1	1039.0	1001.9



TEST NUMBER: P1444862  
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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°	1195.8	1232.7	1269.9	1248.2	1226.6	1205.0	1183.3	1161.7	1140.1	1118.5	1096.9
115°	1090.8	1112.8	1135.3	1126.9	1118.5	1110.1	1101.7	1093.4	1084.9	1076.7	1068.3
117.5°	959.2	970.4	982.0	980.7	979.4	978.1	976.9	975.6	974.4	973.2	971.9
120°	821.9	825.1	828.7	830.1	831.6	833.1	834.7	836.1	837.7	839.2	840.8
122.5°	705.1	703.5	702.3	703.8	705.3	706.6	708.2	709.6	711.1	712.5	714.1
125°	620.6	616.9	613.9	612.8	611.9	610.8	609.9	608.8	607.8	606.8	605.9
127.5°	558.4	554.3	550.8	547.9	544.9	541.9	539.0	536.0	533.1	530.1	527.2
130°	513.4	509.7	506.8	502.9	499.2	495.2	491.4	487.6	483.7	479.9	476.1
132.5°	479.9	476.5	473.9	470.2	466.6	463.0	459.3	455.5	451.9	448.2	444.6
135°	456.8	454.1	452.1	448.8	445.6	442.3	438.9	435.6	432.3	429.0	425.7
137.5°	435.9	433.4	431.9	429.4	426.8	424.2	421.7	419.1	416.5	413.8	411.3
140°	417.7	415.0	413.4	412.2	410.8	409.5	408.2	406.8	405.5	404.2	402.8
142.5°	403.0	400.6	399.3	398.6	397.9	397.1	396.5	395.7	395.0	394.1	393.5
145°	388.2	385.4	383.8	383.9	384.2	384.3	384.5	384.7	384.8	384.9	385.1
147.5°	377.0	374.2	372.8	373.2	373.6	374.0	374.4	374.7	375.2	375.5	375.9
150°	364.9	361.8	360.0	360.7	361.2	361.9	362.5	363.2	363.7	364.4	365.0
152.5°	354.3	350.6	348.6	349.3	349.9	350.6	351.2	351.9	352.5	353.2	353.9
155°	345.0	341.1	339.0	339.3	339.6	339.9	340.1	340.5	340.9	341.2	341.6
157.5°	338.2	334.4	332.5	332.5	332.7	332.8	333.0	333.1	333.3	333.5	333.7
160°	333.2	329.4	327.6	327.6	327.8	327.9	328.0	328.1	328.3	328.4	328.6
162.5°	328.3	324.6	322.9	323.0	323.1	323.1	323.2	323.2	323.4	323.5	323.7
165°	324.2	321.1	319.8	320.0	320.3	320.5	320.7	321.1	321.4	321.7	322.0
167.5°	323.6	321.0	319.9	319.8	319.6	319.5	319.5	319.4	319.4	319.3	319.3
170°	321.3	319.2	318.2	318.3	318.5	318.6	318.7	318.8	318.9	319.1	319.2
172.5°	320.1	318.5	317.8	318.1	318.5	318.8	319.2	319.4	319.8	320.1	320.5
175°	320.1	319.2	318.9	319.0	319.2	319.3	319.5	319.6	319.8	320.0	320.3
177.5°	321.8	321.4	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.2	321.2
180°	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1



TEST NUMBER: P1444862  
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**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°	40.0	38.1	37.0	34.9	34.1	32.0	31.3	29.4	28.9	26.7	29.6
92.5°	48.8	46.5	44.2	42.0	39.7	37.4	35.1	32.9	30.6	28.3	30.6
95°	59.9	57.8	55.7	53.6	51.6	49.4	47.4	45.2	43.2	41.1	43.7
97.5°	74.2	73.0	71.8	70.6	69.4	68.1	66.9	65.7	64.5	63.3	65.0
100°	83.9	83.9	83.9	83.9	83.8	83.8	83.8	83.8	83.8	83.8	85.2
102.5°	162.8	158.8	154.8	150.6	146.6	142.6	138.6	134.5	130.5	126.5	132.5
105°	370.8	355.1	339.3	323.6	307.7	292.0	276.2	260.5	244.7	229.0	245.3
107.5°	690.6	661.8	633.1	604.5	575.7	547.0	518.3	489.6	460.9	432.2	458.0
110°	964.7	934.2	903.8	873.4	842.9	812.4	782.0	751.6	721.2	690.7	715.2



TEST NUMBER: P1444862  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL30

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	1075.3	1055.6	1036.0	1016.4	996.8	977.1	957.5	938.0	918.4	898.8	910.7
115°	1059.9	1050.6	1041.3	1032.1	1022.7	1013.4	1004.0	994.8	985.5	976.2	977.0
117.5°	970.7	967.7	964.6	961.5	958.6	955.5	952.5	949.6	946.5	943.6	936.9
120°	842.4	843.4	844.5	845.7	846.8	848.1	849.1	850.3	851.5	852.7	843.8
122.5°	715.6	718.0	720.6	723.1	725.5	728.2	730.7	733.3	736.0	738.6	729.7
125°	604.9	607.3	609.8	612.3	614.7	617.3	619.9	622.5	625.1	627.8	620.3
127.5°	524.3	525.3	526.3	527.4	528.4	529.6	530.7	531.9	533.1	534.4	529.7
130°	472.3	471.6	471.1	470.6	469.9	469.6	469.1	468.7	468.4	468.0	465.9
132.5°	440.9	439.2	437.6	435.9	434.4	432.9	431.4	430.0	428.5	427.2	426.5
135°	422.4	420.0	417.6	415.3	413.0	410.9	408.6	406.5	404.4	402.3	402.6
137.5°	408.7	406.4	404.1	401.7	399.3	397.2	395.0	392.7	390.7	388.6	389.3
140°	401.5	399.1	396.7	394.4	392.3	389.9	387.8	385.7	383.5	381.6	382.0
142.5°	392.6	390.5	388.3	386.3	384.2	382.1	380.1	378.2	376.3	374.4	374.9
145°	385.3	383.7	382.1	380.6	379.1	377.6	376.0	374.7	373.3	372.0	372.2
147.5°	376.3	375.2	374.0	372.8	371.6	370.6	369.5	368.4	367.4	366.4	366.5
150°	365.6	364.9	364.0	363.3	362.5	361.8	361.1	360.4	359.8	359.1	358.9
152.5°	354.5	353.8	353.1	352.3	351.7	350.9	350.3	349.6	349.1	348.3	348.2
155°	342.0	341.6	341.3	341.0	340.6	340.3	340.0	339.9	339.5	339.2	339.2
157.5°	333.9	333.7	333.6	333.6	333.4	333.4	333.2	333.2	333.0	333.0	333.1
160°	328.9	328.6	328.3	328.2	327.8	327.5	327.2	327.1	326.9	326.6	326.9
162.5°	323.9	324.1	324.1	324.2	324.3	324.4	324.4	324.5	324.6	324.8	324.9
165°	322.4	322.2	322.1	321.9	321.8	321.8	321.8	321.7	321.6	321.6	321.8
167.5°	319.3	319.5	319.7	319.9	320.1	320.3	320.5	320.8	321.0	321.4	321.7
170°	319.3	319.3	319.3	319.3	319.3	319.4	319.4	319.4	319.5	319.6	319.8
172.5°	320.8	320.8	320.7	320.8	320.7	320.8	320.8	320.8	320.8	320.9	321.1
175°	320.4	320.6	320.8	321.0	321.2	321.3	321.5	321.7	321.8	322.0	322.0
177.5°	321.2	321.2	321.2	321.2	321.2	321.3	321.3	321.3	321.3	321.2	321.4
180°	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1



TEST NUMBER: P1444862  
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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°	30.7	33.4	34.6	37.1	38.4	41.2	42.6	45.2	46.8	50.0	51.8
92.5°	32.9	35.1	37.4	39.7	42.0	44.2	46.5	48.8	53.7	58.5	63.5
95°	46.3	49.0	51.6	54.2	56.8	59.5	62.1	64.7	71.8	79.0	86.1
97.5°	66.8	68.5	70.2	72.0	73.8	75.4	77.2	79.0	86.7	94.4	102.1
100°	86.6	88.0	89.4	90.9	92.3	93.7	95.0	96.4	111.4	126.3	141.1
102.5°	138.4	144.4	150.3	156.3	162.3	168.3	174.2	180.2	214.3	248.4	282.5
105°	261.5	277.8	294.2	310.5	326.8	343.0	359.3	375.5	430.1	484.7	539.4
107.5°	483.7	509.3	535.1	560.9	586.6	612.3	638.0	663.9	717.0	770.3	823.5
110°	739.7	764.2	788.6	813.3	837.7	862.2	886.7	911.3	943.2	975.0	1007.0



TEST NUMBER: P1444862  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL30

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	922.6	934.5	946.4	958.4	970.3	982.3	994.2	1006.1	1021.9	1037.8	1053.6
115°	977.7	978.4	979.1	979.9	980.6	981.4	982.2	983.0	987.9	992.8	997.6
117.5°	930.3	923.7	917.1	910.5	904.0	897.4	890.9	884.4	883.1	881.9	880.7
120°	835.1	826.2	817.3	808.4	799.7	790.9	782.1	773.4	768.7	764.0	759.4
122.5°	720.9	712.0	703.2	694.3	685.5	676.8	668.1	659.4	656.0	652.5	649.3
125°	612.8	605.4	598.0	590.5	583.3	576.0	568.7	561.5	560.9	560.2	559.7
127.5°	525.0	520.4	515.8	511.4	506.8	502.4	497.9	493.5	494.8	496.2	497.6
130°	463.6	461.5	459.4	457.3	455.4	453.4	451.4	449.4	452.2	455.0	457.9
132.5°	426.0	425.4	425.0	424.4	424.0	423.7	423.3	422.9	426.3	429.5	432.9
135°	402.9	403.2	403.7	404.0	404.5	404.9	405.5	405.9	409.2	412.2	415.4
137.5°	389.9	390.6	391.4	392.1	392.9	393.8	394.6	395.4	397.9	400.3	402.8
140°	382.5	382.9	383.5	384.1	384.7	385.3	386.0	386.6	388.6	390.4	392.3
142.5°	375.4	375.7	376.4	376.9	377.6	378.1	378.7	379.4	380.7	382.0	383.4
145°	372.6	372.9	373.2	373.5	373.9	374.3	374.7	375.2	376.0	376.6	377.4
147.5°	366.6	366.7	366.9	367.1	367.4	367.6	367.7	367.9	368.3	368.7	369.1
150°	358.9	358.8	358.8	358.8	358.8	358.8	358.9	358.8	359.2	359.6	359.9
152.5°	348.2	348.1	348.0	348.0	348.0	348.0	348.0	348.0	348.3	348.7	349.1
155°	339.4	339.5	339.7	339.8	340.0	340.1	340.2	340.3	340.5	340.6	340.8
157.5°	333.2	333.3	333.5	333.6	333.7	333.8	333.9	334.1	334.3	334.4	334.5
160°	327.1	327.5	327.8	328.1	328.3	328.6	329.0	329.3	329.5	329.6	329.7
162.5°	325.1	325.2	325.4	325.5	325.6	325.7	325.8	326.0	326.4	326.7	327.0
165°	322.1	322.5	322.9	323.0	323.3	323.7	324.0	324.4	324.4	324.5	324.7
167.5°	321.9	322.2	322.6	322.8	323.1	323.4	323.8	324.1	324.2	324.3	324.4
170°	320.2	320.5	320.7	320.9	321.2	321.5	321.8	322.0	322.4	322.7	323.0
172.5°	321.4	321.6	321.8	321.9	322.2	322.5	322.8	323.1	323.3	323.6	323.8
175°	322.0	322.0	322.0	322.1	322.1	322.1	322.1	322.2	322.3	322.3	322.3
177.5°	321.6	321.8	321.9	322.0	322.2	322.4	322.6	322.8	322.8	322.8	322.8
180°	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1



TEST NUMBER: P1444862  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL30

**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°	55.3	57.2	60.8	62.8	66.8	69.1	68.2	65.5	64.5	61.8	60.9
92.5°	68.3	73.3	78.2	83.1	88.0	92.9	88.4	83.8	79.3	74.7	70.1
95°	93.3	100.5	107.7	114.8	122.0	129.1	121.4	113.7	106.1	98.4	90.7
97.5°	109.8	117.4	125.2	132.9	140.6	148.3	139.2	130.1	121.0	112.0	102.9
100°	156.0	170.9	185.7	200.6	215.6	230.4	213.4	196.5	179.6	162.6	145.7
102.5°	316.6	350.7	384.8	419.0	453.1	487.2	451.2	415.2	379.3	343.2	307.2
105°	593.9	648.6	703.2	757.8	812.4	867.0	808.7	750.3	691.9	633.6	575.1
107.5°	876.7	930.0	983.3	1036.4	1089.8	1143.0	1083.8	1024.5	965.3	906.1	846.8
110°	1038.9	1070.8	1102.8	1134.7	1166.6	1198.6	1155.4	1112.1	1068.8	1025.4	982.2



TEST NUMBER: P1444862  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL30

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	1069.5	1085.4	1101.3	1117.2	1133.1	1148.9	1117.9	1087.0	1055.8	1024.9	993.8
115°	1002.5	1007.3	1012.3	1017.1	1022.0	1026.9	1005.9	984.9	963.9	942.9	921.8
117.5°	879.5	878.4	877.2	876.1	874.8	873.6	861.8	849.9	837.9	826.0	814.1
120°	754.7	750.1	745.4	740.8	736.1	731.5	726.3	721.0	715.8	710.6	705.2
122.5°	645.7	642.5	639.0	635.7	632.2	628.8	626.6	624.4	622.1	619.8	617.6
125°	559.1	558.6	557.9	557.4	556.7	556.2	554.9	553.5	552.2	550.8	549.5
127.5°	498.9	500.4	501.7	503.1	504.5	505.8	505.2	504.6	504.0	503.3	502.7
130°	460.6	463.4	466.1	468.9	471.6	474.4	473.5	472.5	471.5	470.6	469.6
132.5°	436.2	439.5	442.7	446.1	449.3	452.6	451.5	450.3	449.1	448.1	447.0
135°	418.5	421.7	424.8	427.9	430.9	434.0	432.7	431.4	430.0	428.8	427.5
137.5°	405.2	407.6	409.9	412.3	414.7	417.1	415.7	414.4	413.1	411.8	410.5
140°	394.1	395.9	397.7	399.6	401.4	403.2	401.7	400.2	398.7	397.2	395.6
142.5°	384.6	386.0	387.2	388.5	389.8	391.1	389.1	387.3	385.3	383.4	381.6
145°	378.2	378.9	379.6	380.5	381.0	381.9	379.7	377.7	375.5	373.4	371.4
147.5°	369.5	369.8	370.1	370.4	370.7	371.2	369.1	367.2	365.2	363.2	361.2
150°	360.2	360.6	360.9	361.1	361.5	361.8	359.8	357.8	355.8	353.8	351.9
152.5°	349.3	349.6	349.9	350.2	350.5	350.7	348.9	347.1	345.3	343.3	341.5
155°	340.9	341.1	341.2	341.3	341.4	341.4	339.9	338.4	336.9	335.3	333.7
157.5°	334.6	334.8	334.9	334.9	335.0	335.1	333.9	332.8	331.5	330.4	329.2
160°	329.8	329.9	330.0	330.1	330.2	330.3	329.3	328.3	327.3	326.3	325.3
162.5°	327.2	327.5	327.8	328.0	328.3	328.5	327.4	326.3	325.1	323.9	322.6
165°	324.8	324.9	325.0	325.1	325.2	325.3	324.4	323.6	322.8	321.9	321.1
167.5°	324.5	324.6	324.7	324.8	324.8	324.9	324.2	323.3	322.5	321.6	320.7
170°	323.2	323.4	323.7	323.9	324.2	324.4	323.7	323.1	322.3	321.8	321.0
172.5°	324.1	324.3	324.4	324.7	324.9	325.2	324.4	323.8	323.1	322.4	321.7
175°	322.3	322.4	322.5	322.5	322.5	322.5	321.9	321.5	320.9	320.4	319.9
177.5°	322.8	322.8	322.8	322.8	322.8	322.8	322.4	322.0	321.8	321.4	320.9
180°	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1



TEST NUMBER: P1444862  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL30

**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°	58.2	57.3	54.6	53.9	52.5	52.9	51.8	52.2	50.8	51.0	49.4
92.5°	65.6	61.0	56.5	51.9	49.7	47.3	45.2	42.7	40.6	38.2	36.0
95°	83.0	75.4	67.6	59.9	57.3	54.7	52.0	49.4	46.8	44.2	41.5
97.5°	93.8	84.7	75.6	66.5	64.2	62.0	59.6	57.3	55.0	52.8	50.5
100°	128.7	111.7	94.8	77.8	75.8	74.0	72.0	70.1	68.2	66.2	64.2
102.5°	271.2	235.3	199.2	163.2	156.4	149.5	142.7	135.7	129.0	122.1	115.3
105°	516.8	458.4	400.0	341.5	323.0	304.5	285.9	267.4	248.8	230.3	211.7
107.5°	787.5	728.1	669.0	609.7	575.4	541.1	506.8	472.5	438.3	404.0	369.7
110°	938.9	895.5	852.2	808.8	781.3	753.6	726.0	698.3	670.7	643.0	615.4



TEST NUMBER: P1444862  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL30

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	962.7	931.6	900.6	869.5	856.9	844.4	831.8	819.3	806.7	794.1	781.5
115°	900.7	879.7	858.6	837.4	833.0	828.5	824.0	819.5	814.9	810.4	805.8
117.5°	802.2	790.2	778.2	766.3	766.9	767.4	768.1	768.7	769.2	769.7	770.2
120°	700.0	694.8	689.4	684.2	687.8	691.4	695.1	698.5	702.1	705.6	709.1
122.5°	615.3	613.0	610.7	608.4	612.8	617.1	621.5	625.8	630.0	634.2	638.5
125°	548.2	546.8	545.4	544.0	548.4	552.7	557.1	561.3	565.7	569.9	574.1
127.5°	502.0	501.3	500.7	500.0	503.1	506.0	509.1	511.9	514.8	517.6	520.6
130°	468.6	467.6	466.7	465.8	468.4	471.1	473.7	476.2	478.9	481.3	483.7
132.5°	445.9	444.7	443.6	442.4	444.2	446.0	447.8	449.4	451.1	452.7	454.2
135°	426.2	424.8	423.5	422.2	423.8	425.4	427.0	428.5	430.1	431.5	433.0
137.5°	409.2	407.8	406.5	405.1	406.6	408.0	409.5	410.8	412.1	413.4	414.7
140°	394.1	392.6	391.2	389.6	390.8	392.0	393.3	394.5	395.6	396.6	397.8
142.5°	379.6	377.6	375.9	373.9	374.8	375.6	376.5	377.2	378.1	378.8	379.5
145°	369.2	367.1	365.0	362.9	363.6	364.1	364.9	365.5	366.1	366.6	367.2
147.5°	359.3	357.2	355.3	353.2	353.8	354.3	354.6	355.0	355.6	355.9	356.2
150°	349.8	347.8	345.8	343.7	344.1	344.6	344.9	345.4	345.7	346.1	346.4
152.5°	339.6	337.7	335.9	333.9	334.3	334.7	334.9	335.3	335.7	336.1	336.2
155°	332.2	330.6	329.0	327.4	327.8	328.2	328.4	328.7	329.0	329.4	329.6
157.5°	328.0	326.6	325.5	324.2	324.4	324.4	324.6	324.6	324.7	324.8	324.9
160°	324.3	323.1	322.1	321.0	321.1	321.3	321.4	321.5	321.5	321.5	321.6
162.5°	321.4	320.2	319.0	317.8	317.8	317.9	318.1	318.1	318.1	318.2	318.2
165°	320.2	319.3	318.4	317.5	317.5	317.4	317.4	317.2	317.1	317.0	316.8
167.5°	319.8	319.0	318.0	317.1	317.3	317.4	317.5	317.6	317.7	317.7	317.8
170°	320.4	319.5	318.9	318.1	318.0	318.0	317.9	317.8	317.8	317.7	317.6
172.5°	321.0	320.3	319.6	318.8	318.8	318.7	318.7	318.6	318.5	318.4	318.4
175°	319.3	318.8	318.2	317.7	317.6	317.6	317.6	317.5	317.4	317.4	317.3
177.5°	320.5	320.3	319.9	319.5	319.4	319.4	319.4	319.3	319.3	319.3	319.3
180°	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1	321.1



TEST NUMBER: P1444862  
 CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL30

**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°	49.5	47.8
92.5°	33.7	31.6
95°	38.9	36.3
97.5°	48.2	45.9
100°	62.3	60.4
102.5°	108.4	101.6
105°	193.3	174.7
107.5°	335.4	301.1
110°	587.8	560.2



TEST NUMBER: P1444862  
CATALOG NUMBER: EHBR1-12-UNV-TA-L950-UPL30

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	768.9	756.3
115°	801.3	796.7
117.5°	770.7	771.3
120°	712.4	716.0
122.5°	642.7	646.8
125°	578.2	582.4
127.5°	523.3	526.0
130°	486.0	488.4
132.5°	455.8	457.2
135°	434.3	435.6
137.5°	415.8	416.9
140°	398.7	399.7
142.5°	380.2	380.8
145°	367.7	368.1
147.5°	356.4	356.8
150°	346.7	346.9
152.5°	336.5	336.8
155°	329.7	330.0
157.5°	324.9	324.9
160°	321.6	321.7
162.5°	318.3	318.3
165°	316.6	316.5
167.5°	317.8	317.8
170°	317.5	317.4
172.5°	318.3	318.2
175°	317.3	317.3
177.5°	319.3	319.2
180°	321.1	321.1

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

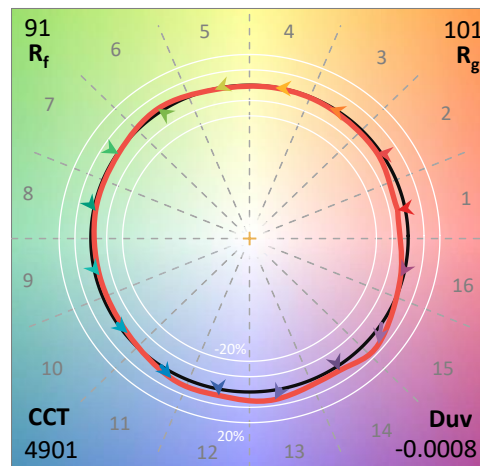
**Test Information**

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**

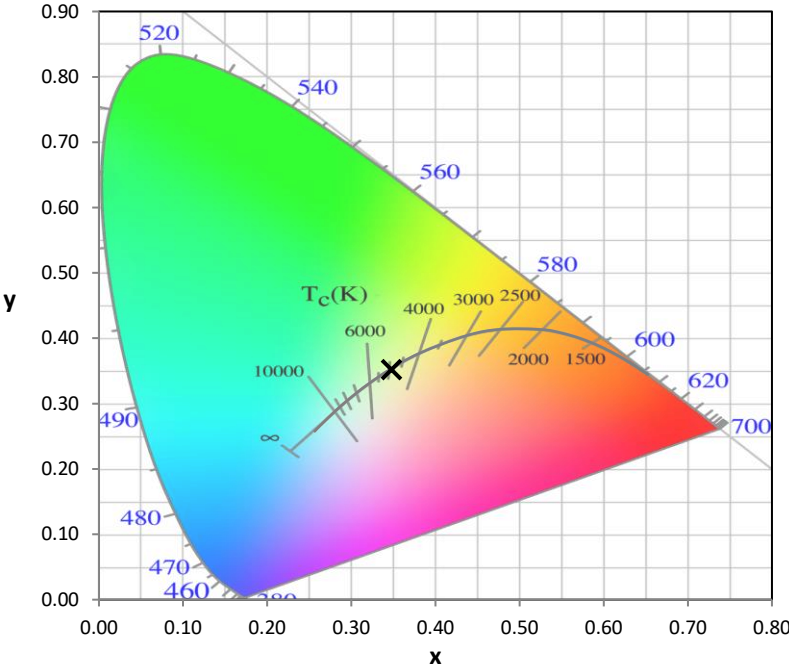
Stabilization Time: 35M  
 Operation Time: 1H 35M  
 Sphere Temperature (°C): 25.0

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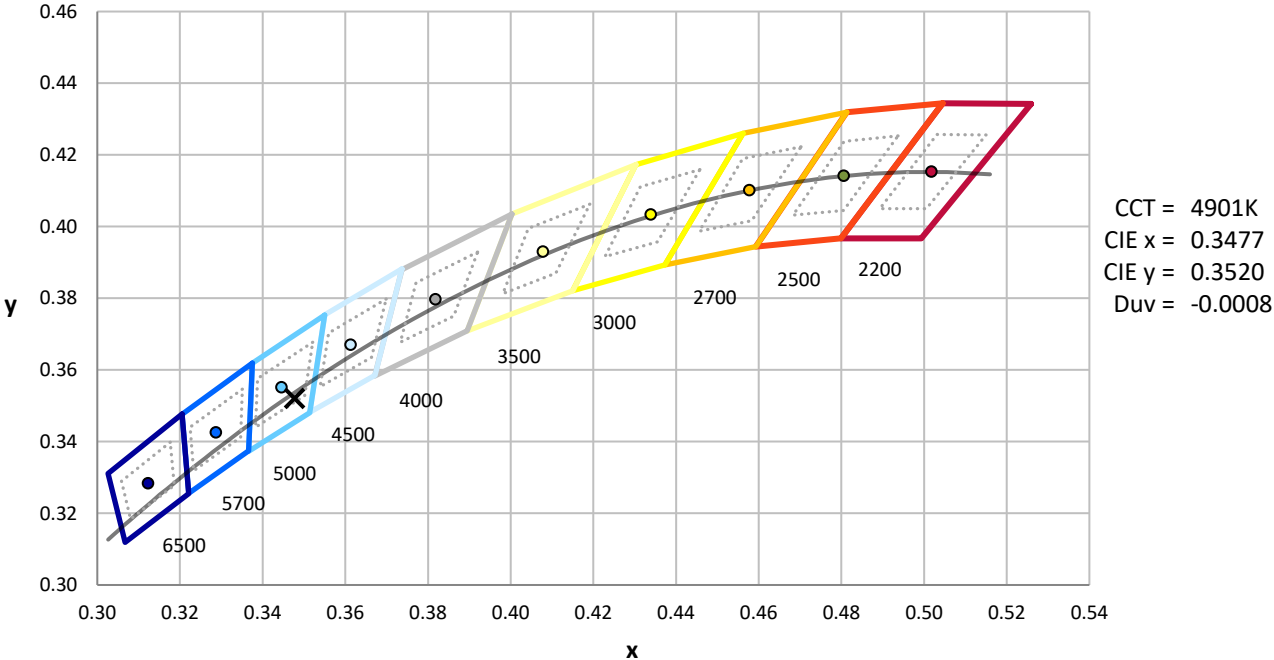
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208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



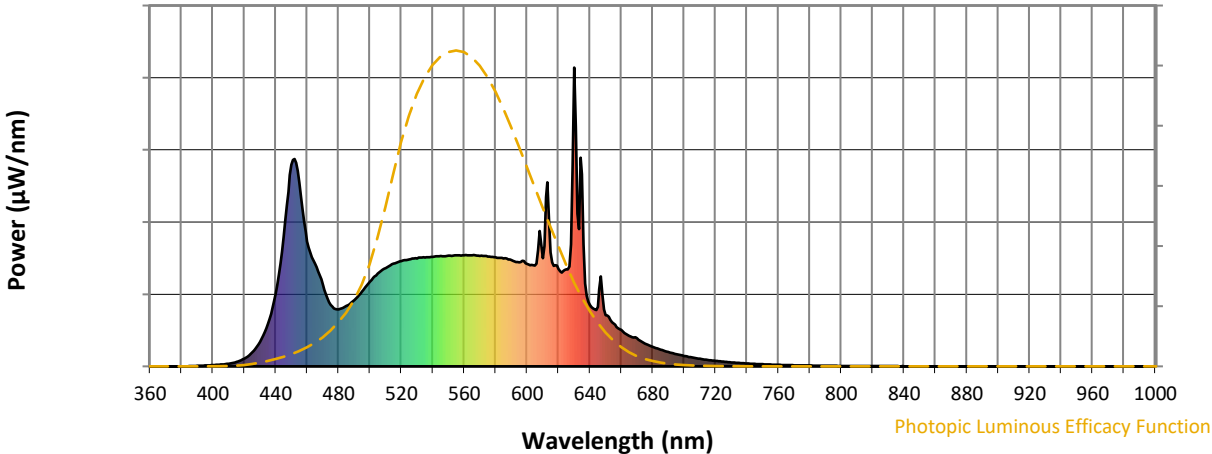
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

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**Photopic Flux vs. Wavelength**

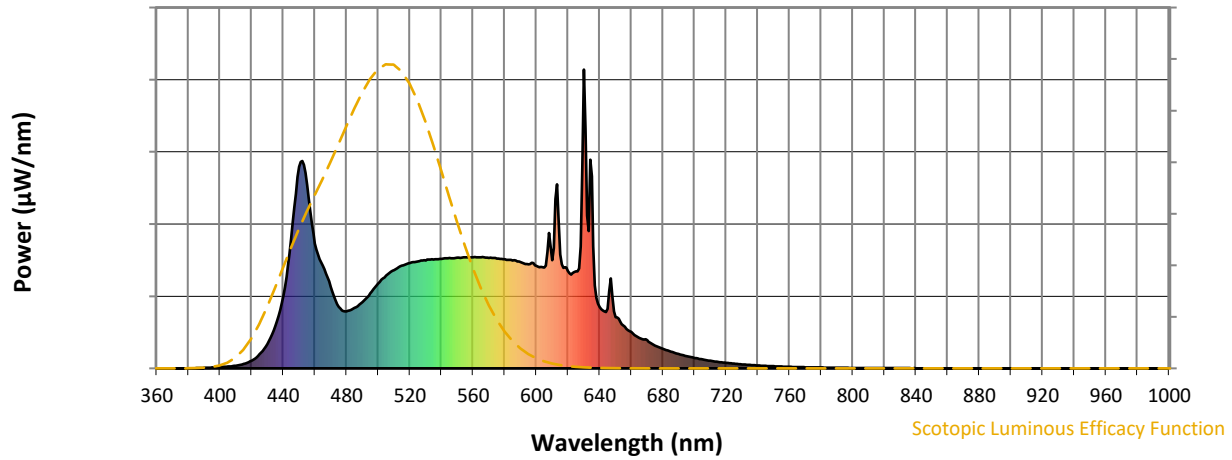


**Photopic Lumens: NR**

λ (nm)	Power W <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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**Scotopic Flux vs. Wavelength**



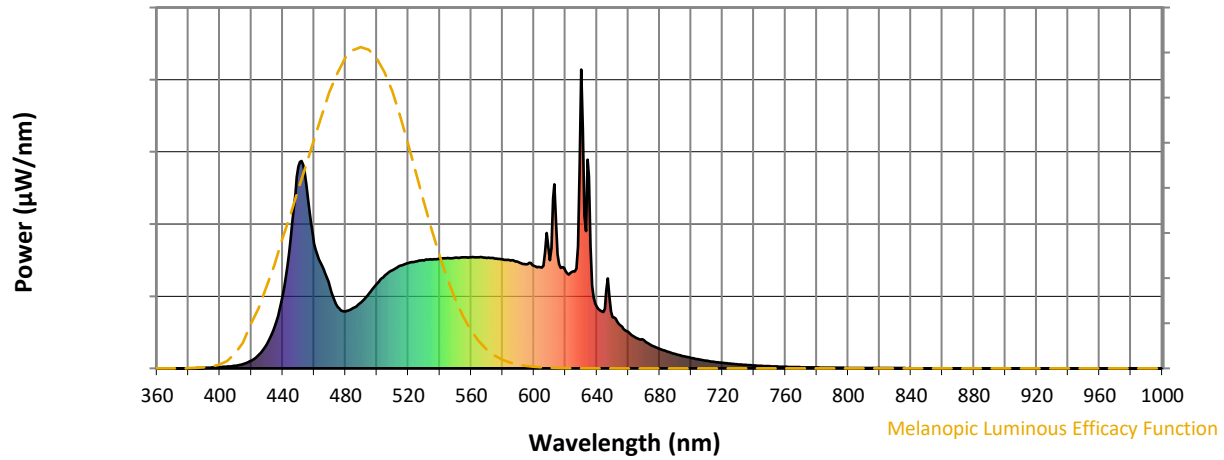
**Scotopic Lumens: NR**

**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



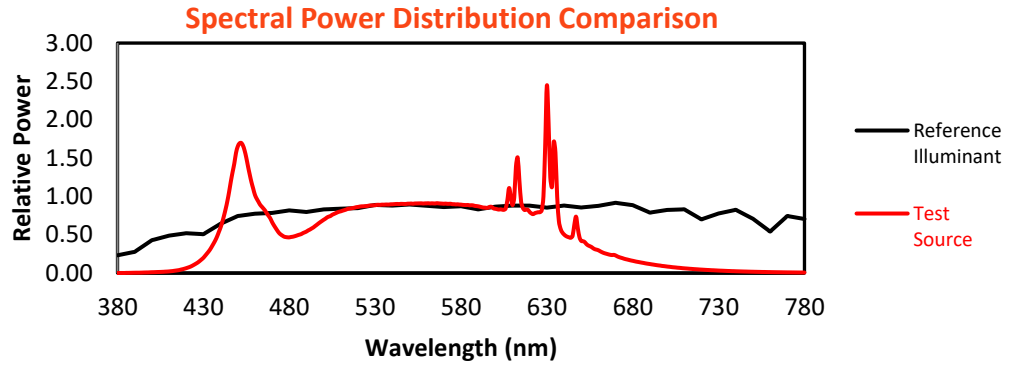
Melanopic Lumens: NR

M/P: 4.41

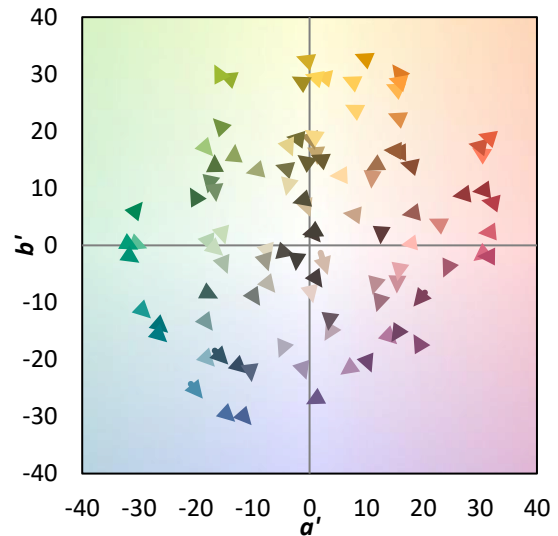
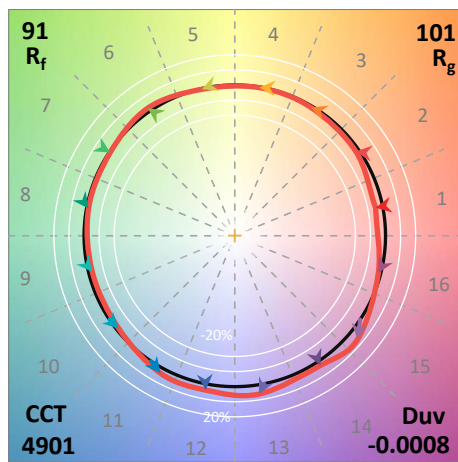
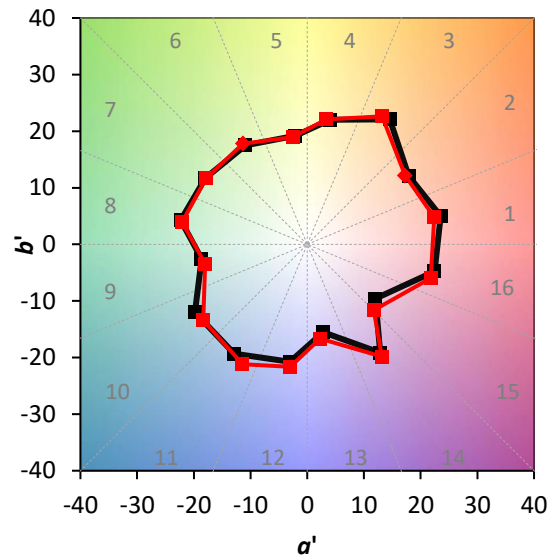
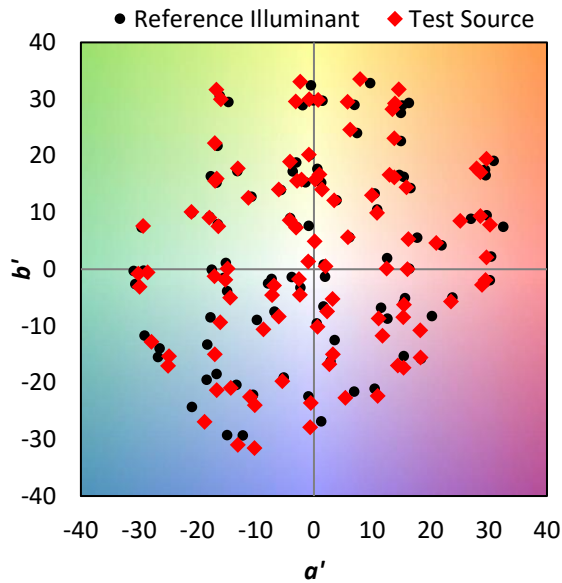
λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	221	NR	620	326	NR	750	7	NR	880	0	NR
365	0	NR	495	250	NR	625	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**

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

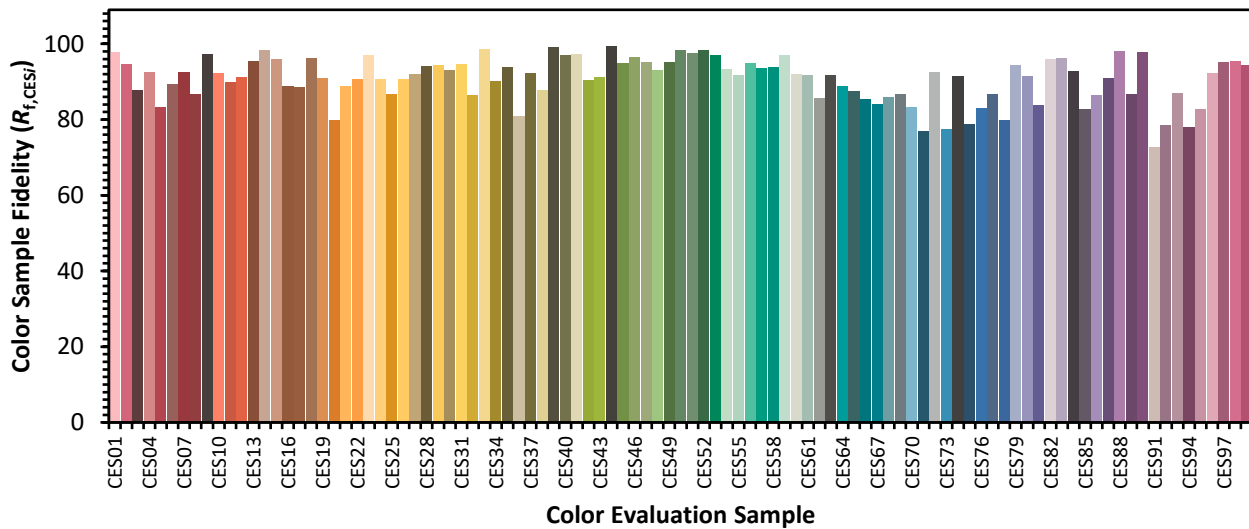


**Color Vector Graphics**

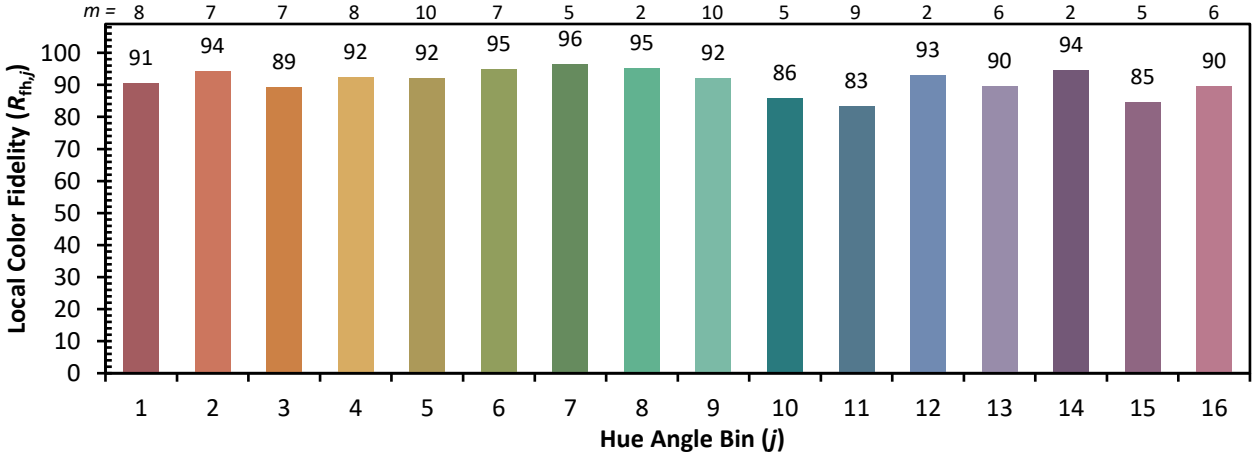
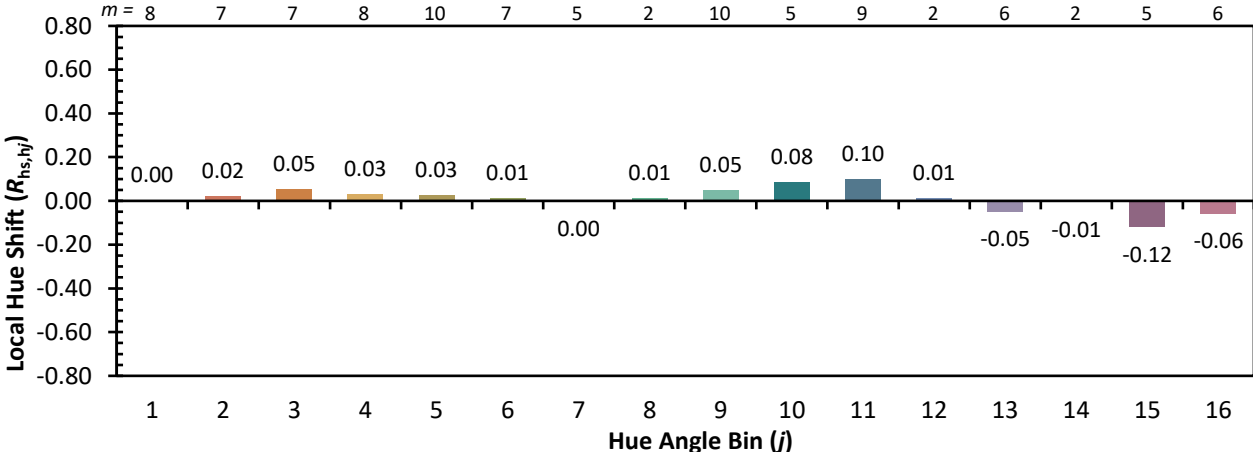
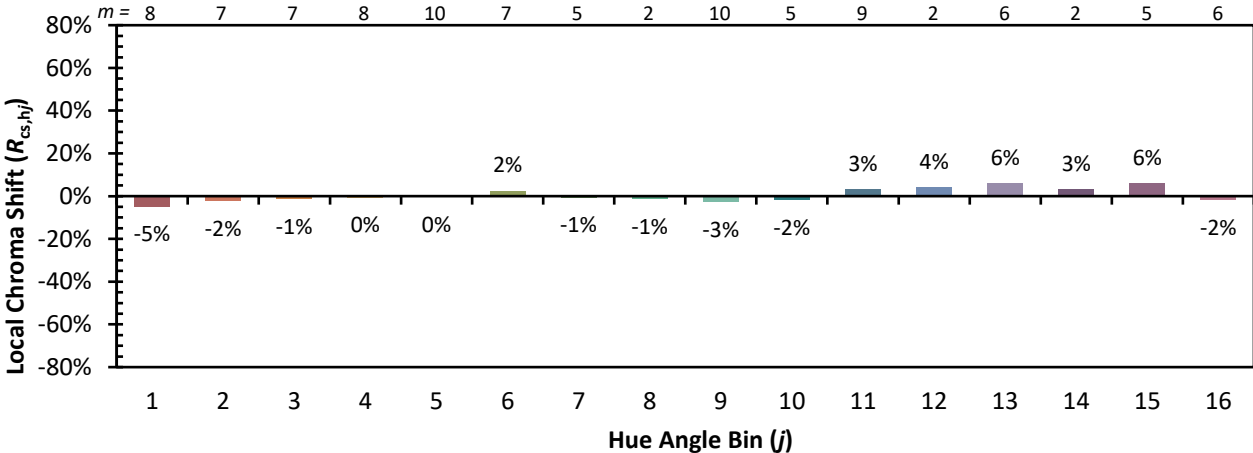


**Individual Sample Fidelity Index ( $R_{f,i}$ )**

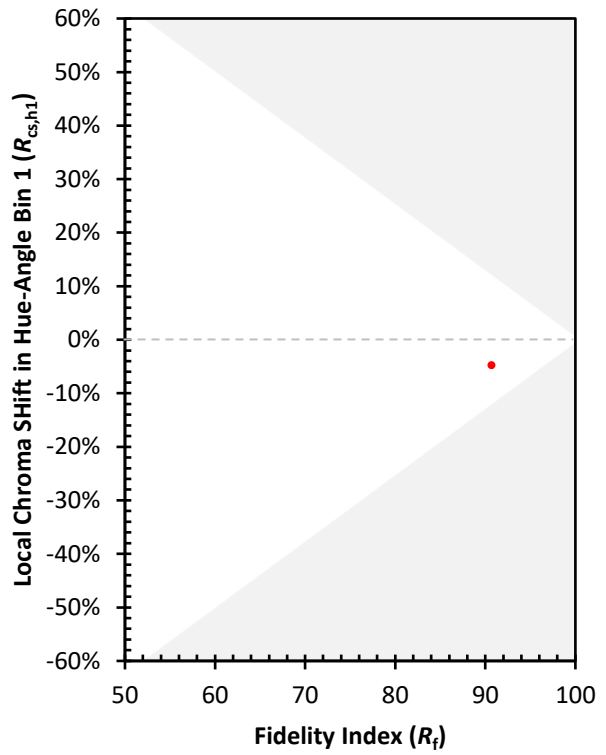
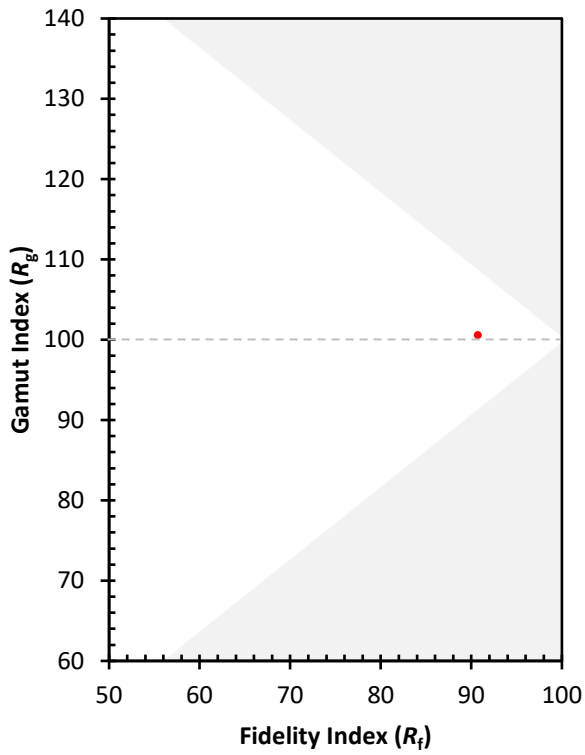
CES01 = 85	CES26 = 91	CES51 = 98	CES76 = 83
CES02 = 61	CES27 = 92	CES52 = 98	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 97	CES78 = 80
CES04 = 69	CES29 = 94	CES54 = 93	CES79 = 94
CES05 = 48	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 50	CES31 = 95	CES56 = 95	CES81 = 84
CES07 = 41	CES32 = 86	CES57 = 94	CES82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