

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: P1444633

Luminaire Tested: EHBR1-54-UNV-TA-L850

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444633
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (C80-8019A)
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-54-UNV-TA-L850
Description: Elevate Round Highbay at, 54000 lumens, 5000K 80CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

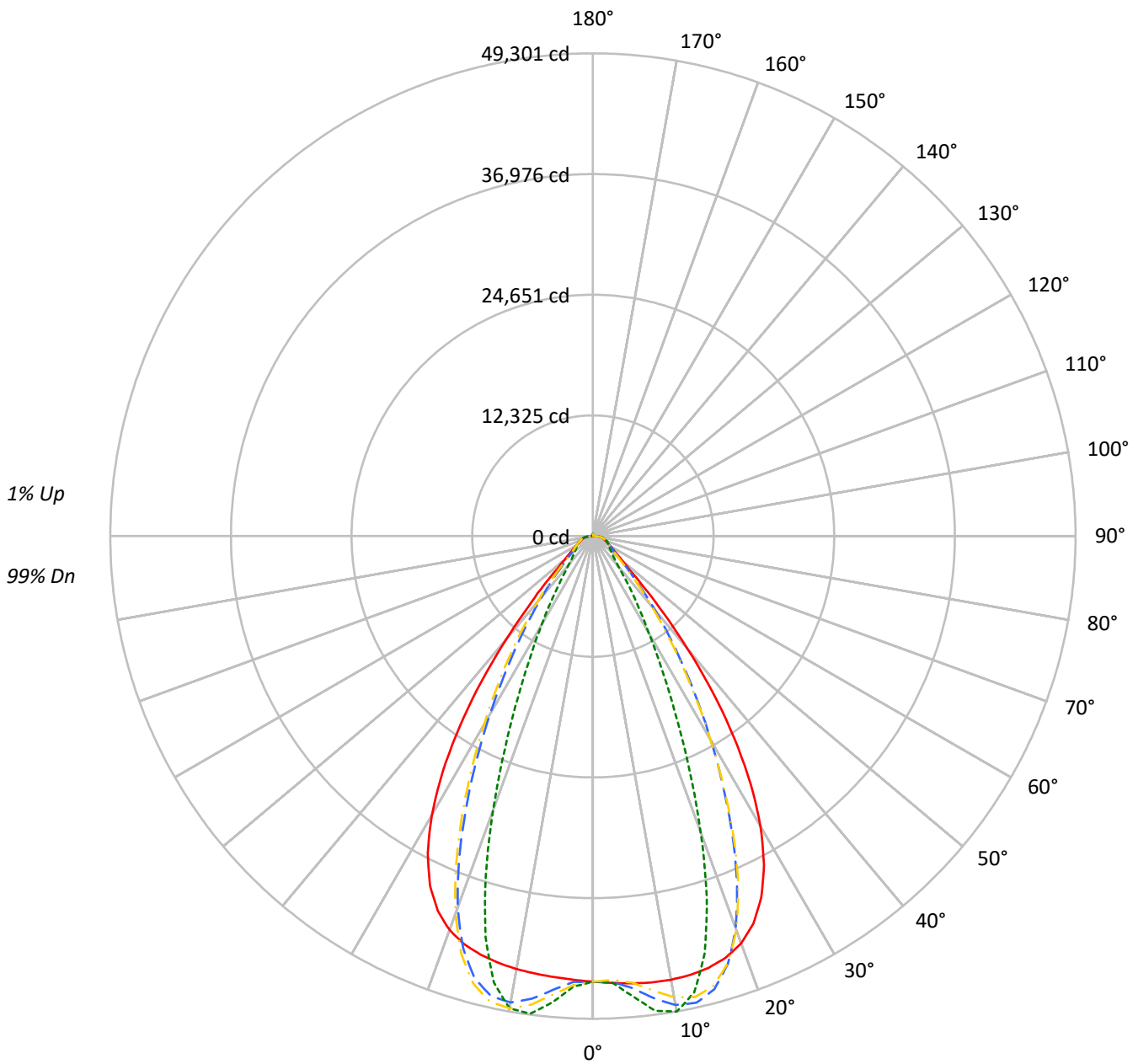
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52688.4 lumens
Efficiency: N/A
Efficacy: 178.0 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 0.77 / 0.88
Luminous Opening: Circular (Dia: 1.71' x H: 0')
CIE Type: Direct

Input Watts (W): 296
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99			
1	112	108	105	103	109	106	103	101	102	100	98	98	96	95	94	93	92	90			
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81			
3	99	91	85	81	97	90	84	80	87	82	79	84	81	77	82	79	76	74			
4	93	84	78	73	91	83	77	73	81	76	72	79	74	71	77	73	70	68			
5	88	78	72	67	86	77	71	66	75	70	66	73	69	65	72	68	64	63			
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58			
7	78	68	61	57	77	67	61	56	66	60	56	65	59	56	63	59	55	54			
8	74	64	57	53	73	63	57	52	62	56	52	61	56	52	60	55	52	50			
9	70	60	53	49	69	59	53	49	58	53	49	57	52	48	56	52	48	47			
10	67	56	50	46	66	56	50	46	55	49	46	54	49	45	53	49	45	44			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	213716	213716	213716	213716
5°	216151	222453	213125	225367
10°	219389	235095	214127	233540
15°	221951	214548	215193	205910
20°	221197	160953	213958	148919
25°	210927	102549	203956	93045
30°	185734	62117	178540	56769
35°	144197	39321	135902	34831
40°	92115	24908	84278	23406
45°	48014	19624	47218	19302
50°	28525	17687	27650	17411
55°	22207	17004	21385	16851
60°	19174	17726	18358	17497
65°	18500	19015	17791	18367
70°	18774	20682	17839	19904
75°	21296	23270	20146	22243
80°	24529	28683	22241	26181
85°	30071	36020	24301	30847

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 73478 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4485.0	8.5
10°-20°	12616.8	23.9
20°-30°	14369.6	27.3
30°-40°	10328.2	19.6
40°-50°	4763.4	9.0
50°-60°	2279.5	4.3
60°-70°	1663.2	3.2
70°-80°	1263.6	2.4
80°-90°	574.7	1.1
90°-100°	18.6	0.0
100°-110°	13.5	0.0
110°-120°	23.0	0.0
120°-130°	38.5	0.1
130°-140°	56.6	0.1
140°-150°	67.3	0.1
150°-160°	63.3	0.1
160°-170°	46.2	0.1
170°-180°	17.5	0.0
0°-30°	31471.5	59.7
0°-40°	41799.7	79.3
0°-60°	48842.5	92.7
0°-90°	52344.0	99.3
90°-120°	55.1	0.1
90°-150°	217.4	0.4
90°-180°	344.0	0.7
0°-180°	52688.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	45509	45509	45509	45509	45509	
5°	45853	47190	45211	47808	45853	4382
15°	45652	44130	44262	42353	45652	12863
25°	40707	19791	39362	17957	40707	18453
35°	25153	6859	23706	6076	25153	15437
45°	7230	2955	7110	2906	7230	6149
55°	2712	2077	2612	2058	2712	2504
65°	1665	1711	1601	1653	1665	1663
75°	1174	1282	1110	1226	1174	1221
85°	558	668	451	572	558	524
90°	126	167	19	29	126	82
95°	8	8	8	8	8	7
105°	14	10	14	11	14	15
115°	30	15	31	16	30	30
125°	58	25	60	27	58	52
135°	92	50	96	55	92	71
145°	122	90	125	97	122	76
155°	143	129	146	134	143	66
165°	168	158	171	162	168	47
175°	186	184	187	186	186	18
180°	189	189	189	189	189	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2
2.5°	45683.0	45679.3	45678.7	45675.5	45674.6	45674.6	45673.1	45669.4	45667.0	45661.8	45655.9
5°	45852.6	45850.5	45851.7	45852.1	45848.8	45841.8	45830.7	45817.0	45799.7	45783.6	45769.1
7.5°	45983.6	45986.8	45990.9	45990.0	45980.1	45963.4	45940.6	45927.8	45935.4	45960.1	46016.8
10°	46007.6	46027.1	46034.7	46032.3	46012.5	45998.1	46003.6	46051.9	46147.8	46275.9	46451.0
12.5°	45914.3	45938.2	45937.3	45929.5	45910.2	45929.8	45999.6	46143.1	46348.9	46601.5	46897.6
15°	45652.4	45683.4	45674.6	45664.4	45651.5	45715.7	45855.2	46104.5	46422.3	46778.4	47142.8
17.5°	45143.8	45181.3	45163.1	45151.4	45140.6	45261.0	45500.7	45865.7	46265.9	46668.7	47014.1
20°	44261.8	44286.8	44243.5	44223.1	44240.3	44476.3	44829.2	45295.4	45717.3	46098.1	46334.3
22.5°	42822.2	42853.4	42771.9	42762.5	42863.0	43225.5	43672.1	44193.2	44589.6	44891.5	44982.5
25°	40707.2	40737.8	40641.1	40698.9	40870.0	41363.6	41895.6	42453.0	42791.2	43014.8	42953.1
27.5°	37852.4	37880.4	37788.6	37906.7	38177.0	38825.7	39451.8	40056.4	40357.9	40514.6	40316.0
30°	34252.0	34310.1	34201.7	34366.5	34779.1	35621.3	36338.6	37016.7	37317.3	37436.5	37127.5
32.5°	29975.7	30058.5	29939.0	30184.1	30760.0	31771.6	32586.4	33344.0	33676.4	33812.6	33463.6
35°	25152.6	25271.4	25134.2	25502.2	26212.5	27339.0	28241.3	29087.1	29480.8	29673.7	29322.1
37.5°	20042.8	20156.0	20081.8	20572.7	21352.7	22520.3	23441.4	24353.8	24798.4	25088.0	24810.8
40°	15026.1	15129.6	15185.8	15747.3	16480.9	17581.4	18466.0	19368.9	19866.2	20229.7	20058.7
42.5°	10605.5	10709.9	10900.8	11442.6	12054.3	12965.3	13723.0	14533.6	15008.7	15396.5	15330.5
45°	7229.6	7350.8	7590.0	8033.6	8476.0	9129.5	9686.0	10316.4	10704.5	11059.7	11063.9
47.5°	5066.1	5151.3	5365.0	5667.9	5956.3	6774.5	6808.1	7117.9	7378.8	7644.3	7678.7
50°	3904.4	3955.6	4069.0	4237.8	4401.2	4613.6	4808.1	5032.5	5193.1	5338.7	5373.5
52.5°	3209.1	3241.7	3299.4	3390.8	3485.6	3601.1	3705.2	3828.4	3915.9	3993.7	4010.2
55°	2712.3	2739.3	2825.1	2842.4	2951.0	2971.8	3018.1	3093.1	3143.9	3190.5	3202.2
57.5°	2337.3	2356.9	2375.1	2414.0	2447.4	2496.1	2535.2	2589.0	2621.0	2654.7	2657.7
60°	2041.5	2055.6	2068.7	2095.6	2118.4	2152.2	2179.1	2215.7	2238.6	2264.0	2266.8
62.5°	1821.3	1831.5	1840.1	1858.0	1874.2	1900.1	1921.5	1952.1	1973.5	1993.0	1997.5
65°	1664.9	1672.3	1677.8	1691.4	1705.5	1727.6	1747.0	1771.9	1787.6	1802.7	1805.8
67.5°	1526.3	1533.3	1539.0	1551.3	1561.1	1577.6	1590.7	1609.4	1621.2	1633.1	1633.5
70°	1367.3	1373.9	1378.3	1389.8	1397.7	1411.8	1422.3	1439.2	1451.3	1464.7	1468.0
72.5°	1257.4	1261.2	1267.1	1277.6	1288.6	1303.8	1317.7	1335.3	1349.9	1363.8	1369.7
75°	1173.7	1178.2	1182.2	1191.1	1198.7	1211.5	1222.0	1238.0	1250.8	1265.7	1272.9
77.5°	1053.0	1058.2	1061.5	1070.5	1077.1	1089.3	1097.1	1111.4	1122.0	1135.4	1142.0
80°	907.0	911.9	914.3	922.8	928.0	939.3	946.9	960.7	969.5	983.0	990.9
82.5°	745.4	750.1	751.3	759.3	762.1	771.5	777.0	791.2	802.0	819.5	831.7
85°	558.1	559.8	562.5	560.5	571.8	572.5	585.2	587.6	604.5	608.9	628.1
87.5°	341.2	346.3	348.8	356.6	359.9	367.7	370.0	378.3	382.9	392.3	396.7
90°	126.3	132.9	134.3	142.1	143.3	150.3	151.0	158.8	160.2	168.5	169.8
92.5°	7.6	7.6	7.5	8.0	8.0	8.9	9.4	9.8	9.9	10.8	11.0
95°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.6
97.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.6	8.6
100°	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.8
102.5°	11.8	11.8	11.8	11.8	11.8	11.6	11.8	11.6	11.6	11.6	11.3
105°	14.0	13.9	14.0	13.9	13.9	13.9	13.9	13.5	13.5	13.4	13.4
107.5°	16.7	16.5	16.5	16.5	16.5	16.4	16.4	16.2	16.0	15.7	15.7
110°	20.4	20.0	20.0	19.9	19.7	19.7	19.5	19.1	19.1	18.8	18.6



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	24.8	24.5	24.3	24.2	24.0	23.5	23.3	23.0	22.8	22.3	21.9
115°	29.9	29.5	29.4	28.9	28.7	28.2	27.8	27.3	27.0	26.3	25.9
117.5°	36.0	35.5	35.1	34.8	34.1	33.6	33.1	32.4	31.7	31.0	30.5
120°	42.6	42.0	41.6	40.9	40.3	39.5	39.0	38.1	37.2	36.2	35.8
122.5°	49.9	49.2	48.9	47.9	47.2	46.2	45.6	44.2	43.5	42.5	41.5
125°	57.9	57.0	56.7	55.7	54.6	53.6	52.7	51.5	50.4	49.1	48.0
127.5°	66.1	65.4	64.7	63.6	62.6	61.4	60.2	58.8	57.9	56.2	55.1
130°	74.8	74.1	73.2	72.0	71.0	69.6	68.3	66.8	65.6	63.9	62.6
132.5°	83.5	82.8	81.9	80.7	79.6	77.9	76.7	74.8	73.6	72.0	70.5
135°	92.2	91.3	90.6	89.4	88.2	86.5	85.0	83.3	81.8	80.0	78.6
137.5°	100.5	99.7	98.8	97.4	96.3	94.5	93.1	91.3	89.7	87.9	86.3
140°	108.4	107.6	106.6	105.2	104.0	102.5	100.9	99.2	97.4	95.7	94.3
142.5°	115.9	114.8	114.0	112.7	111.5	109.8	108.2	106.4	104.9	103.0	101.7
145°	122.3	121.4	120.6	119.4	118.1	116.4	115.0	113.2	111.8	110.1	108.6
147.5°	128.2	127.3	126.7	125.4	124.5	122.8	121.4	119.7	118.4	116.9	115.7
150°	133.4	132.7	132.0	131.0	129.9	128.5	127.2	125.8	124.5	123.0	121.8
152.5°	137.8	136.9	136.4	135.5	134.4	132.9	132.0	130.5	129.4	128.0	126.8
155°	143.0	142.1	141.3	140.5	139.5	138.3	137.1	135.9	135.0	133.6	132.6
157.5°	148.7	147.7	147.0	145.9	145.2	144.0	143.0	141.8	140.9	139.8	138.8
160°	155.0	154.1	153.3	152.3	151.3	150.1	149.3	148.1	147.4	146.3	145.4
162.5°	161.6	160.6	159.7	158.7	157.9	156.7	155.9	155.0	154.1	152.9	152.2
165°	167.8	167.2	166.3	165.4	164.6	163.7	163.0	161.9	161.1	160.0	159.4
167.5°	174.1	173.2	172.7	171.9	171.0	170.3	169.5	168.7	168.2	167.2	166.5
170°	179.2	178.3	177.8	177.3	176.6	175.9	175.4	174.7	174.1	173.4	172.9
172.5°	182.8	182.1	181.8	181.5	180.8	180.4	180.0	179.5	179.2	178.5	178.3
175°	185.7	185.2	185.1	184.7	184.4	184.0	183.9	183.5	183.5	183.0	182.7
177.5°	187.5	187.4	187.4	187.2	187.2	187.0	186.8	186.5	186.3	186.3	186.2
180°	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7



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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°	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2
2.5°	45651.5	45645.9	45638.3	45628.7	45620.5	45610.8	45588.0	45581.4	45588.9	45594.0	45604.4
5°	45759.9	45763.2	45764.4	45785.1	45803.0	45847.7	46197.8	46336.9	46444.6	46512.9	46616.6
7.5°	46087.0	46192.2	46296.3	46436.3	46557.1	46720.1	47332.8	47593.5	47778.8	47912.1	48076.0
10°	46641.2	46870.9	47086.3	47338.7	47555.5	47804.0	48374.2	48628.2	48788.6	48905.3	49014.3
12.5°	47199.5	47518.1	47806.0	48086.9	48321.6	48536.9	48737.5	48826.4	48834.0	48837.7	48779.9
15°	47490.2	47794.8	48048.5	48234.2	48372.2	48433.2	48088.0	47906.9	47677.9	47489.4	47179.2
17.5°	47306.7	47489.4	47599.1	47588.2	47531.3	47340.3	46362.4	45824.6	45290.6	44809.4	44178.4
20°	46490.9	46476.9	46381.6	46111.6	45786.3	45280.3	43603.7	42636.5	41701.3	40879.9	39883.5
22.5°	44973.1	44734.3	44401.3	43819.1	43172.3	42288.4	39885.8	38463.0	37161.1	36010.9	34722.6
25°	42773.9	42282.7	41668.5	40744.2	39739.1	38449.8	35488.5	33718.8	32155.7	30799.9	29313.4
27.5°	39959.5	39219.4	38319.4	37040.1	35678.3	34026.6	30743.6	28790.5	27112.5	25659.0	24076.7
30°	36627.4	35664.9	34502.7	32915.0	31272.4	29399.0	26069.3	24091.1	22392.6	20897.3	19313.9
32.5°	32861.8	31734.5	30372.7	28590.6	26814.2	24888.2	21672.4	19757.6	18135.1	16696.6	15263.4
35°	28708.7	27499.7	26059.0	24241.4	22475.6	20603.0	17652.3	15925.8	14493.0	13221.5	12064.2
37.5°	24253.6	23066.6	21697.3	19984.2	18346.8	16649.8	14103.8	12657.1	11454.7	10399.4	9505.8
40°	19621.7	18582.8	17398.0	15917.0	14519.6	13106.4	11016.5	9868.1	8919.2	8114.3	7444.8
42.5°	15046.3	14241.4	13332.8	12162.4	11093.1	10017.0	8408.5	7557.6	6854.7	6275.4	5802.0
45°	10916.7	10378.2	9768.8	8955.1	8215.2	7464.6	6319.8	5721.9	5264.1	4890.6	4574.7
47.5°	7631.3	7319.0	7299.9	6548.0	6005.4	5546.4	4808.9	4431.3	4150.8	3924.4	3724.4
50°	5359.2	5208.1	5020.4	4752.1	4500.2	4240.9	3791.5	3563.1	3398.9	3261.8	3135.2
52.5°	4006.4	3927.9	3827.9	3685.6	3549.2	3403.3	3118.9	2973.6	2921.9	2794.2	2694.0
55°	3200.1	3155.0	3098.2	3014.5	2931.5	2898.3	2654.6	2546.7	2478.3	2427.9	2374.1
57.5°	2658.1	2624.5	2590.9	2534.2	2486.0	2427.9	2298.5	2243.2	2202.6	2172.9	2135.6
60°	2267.3	2247.3	2228.4	2195.1	2169.2	2137.8	2055.6	2024.5	2003.2	1985.3	1961.5
62.5°	2001.2	1990.9	1981.1	1963.4	1950.2	1933.2	1877.0	1862.0	1851.4	1842.5	1827.9
65°	1809.1	1801.7	1796.3	1784.4	1777.8	1767.9	1719.7	1709.6	1703.0	1699.7	1691.4
67.5°	1634.5	1626.8	1623.2	1614.8	1612.1	1605.8	1566.3	1560.8	1558.6	1559.7	1556.6
70°	1471.3	1468.0	1469.7	1468.4	1472.0	1473.2	1449.4	1449.2	1451.7	1456.7	1457.2
72.5°	1373.4	1373.4	1375.3	1376.1	1379.6	1381.4	1361.4	1360.5	1361.6	1365.4	1365.5
75°	1280.3	1281.9	1286.9	1288.6	1292.8	1293.7	1267.3	1264.3	1264.5	1268.0	1266.8
77.5°	1151.4	1157.0	1166.7	1171.7	1179.8	1181.3	1151.8	1148.3	1148.4	1151.9	1149.0
80°	1005.3	1015.9	1031.2	1041.8	1054.3	1059.4	1029.0	1021.8	1015.0	1014.0	1007.9
82.5°	849.9	862.8	881.3	890.8	904.2	907.2	856.4	846.8	841.1	841.6	836.0
85°	648.8	658.6	675.3	680.7	689.0	688.3	630.3	605.5	612.1	601.7	609.9
87.5°	407.0	412.8	423.2	424.5	428.4	427.6	369.2	357.7	354.4	354.5	350.3
90°	177.6	179.8	187.2	185.7	190.1	187.5	138.6	131.5	128.9	132.6	128.2
92.5°	11.6	11.6	12.2	12.3	12.8	13.2	8.1	6.8	7.3	6.9	7.6
95°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.5	7.5
97.5°	8.6	8.6	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.1	8.1
100°	9.8	9.8	9.6	9.6	9.4	9.4	9.4	9.4	9.4	9.1	9.1
102.5°	11.1	11.1	11.0	10.8	10.6	10.6	10.8	10.8	10.6	10.3	10.1
105°	13.2	13.0	12.8	12.3	12.2	12.0	12.3	12.2	12.0	11.8	11.6
107.5°	15.3	15.2	14.6	14.3	14.1	13.9	14.3	14.1	13.9	13.4	13.2
110°	18.2	17.7	17.4	16.9	16.4	16.0	16.7	16.4	16.0	15.5	15.2



TEST NUMBER: P1444633
 CATALOG NUMBER: EHBR1-54-UNV-TA-L850

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	21.2	20.9	20.4	19.7	19.1	18.6	19.5	19.4	18.8	17.9	17.6
115°	25.1	24.8	24.0	23.3	22.6	21.7	23.0	22.8	21.9	21.1	20.4
117.5°	29.7	28.9	28.2	27.3	26.3	25.4	27.1	26.6	25.6	24.8	24.0
120°	34.8	33.9	32.9	32.0	30.8	29.9	31.7	31.3	30.4	29.2	28.2
122.5°	40.5	39.5	38.3	37.2	36.0	34.9	37.1	36.7	35.5	34.3	33.1
125°	46.9	45.7	44.5	43.3	41.8	40.7	43.3	42.6	41.5	40.2	39.0
127.5°	53.8	52.7	51.3	50.1	48.4	47.2	49.9	49.4	48.0	46.8	45.2
130°	61.2	59.9	58.3	57.0	55.7	54.3	57.2	56.9	55.5	53.8	52.5
132.5°	69.0	67.7	65.9	64.7	63.3	61.7	64.9	64.6	63.5	61.7	60.4
135°	76.9	75.5	74.1	72.5	71.0	69.8	73.4	73.0	71.8	70.1	68.9
137.5°	84.7	83.3	81.8	80.6	79.1	77.8	81.9	81.8	80.6	79.0	77.8
140°	92.7	91.3	89.9	88.7	87.2	86.1	90.6	90.6	89.6	88.2	86.8
142.5°	100.0	98.8	97.4	96.5	95.1	94.1	99.2	99.3	98.3	97.0	96.0
145°	107.1	106.1	104.7	103.7	102.5	101.7	107.5	108.0	107.1	105.9	104.9
147.5°	114.0	113.0	111.8	110.8	109.8	109.3	115.7	116.4	115.7	114.7	113.8
150°	120.4	119.4	118.3	117.4	116.7	116.0	123.7	124.8	124.2	123.5	122.6
152.5°	125.6	124.7	123.7	122.8	121.9	121.4	131.2	132.9	132.4	131.5	131.0
155°	131.5	130.5	129.6	128.9	128.0	127.7	138.8	140.9	140.4	139.8	139.2
157.5°	137.8	136.8	135.8	135.1	134.4	133.8	145.9	148.6	147.9	147.4	146.9
160°	144.4	143.5	142.5	141.8	141.0	140.4	153.1	155.7	155.3	154.7	154.1
162.5°	151.1	150.6	149.6	148.7	147.9	147.4	160.0	163.0	162.3	161.8	161.3
165°	158.5	157.7	156.9	156.4	155.5	155.0	167.2	169.6	169.3	168.7	168.2
167.5°	165.6	165.1	164.2	163.7	163.1	162.8	174.1	176.4	176.1	175.4	175.0
170°	172.2	171.9	171.2	170.8	170.5	170.3	179.8	181.8	181.6	180.9	180.6
172.5°	177.8	177.6	177.3	176.9	176.6	176.4	184.4	186.2	186.0	185.7	185.2
175°	182.5	182.1	182.0	182.0	181.8	181.6	187.9	189.3	189.1	188.7	188.4
177.5°	186.2	186.0	186.0	186.0	186.0	186.0	189.8	190.6	190.5	190.5	190.3
180°	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7



TEST NUMBER: P1444633
 CATALOG NUMBER: EHBR1-54-UNV-TA-L850

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2
2.5°	45606.8	45622.8	45625.2	45643.9	45642.4	45664.7	45661.1	45679.3	45668.7	45683.7	45671.0
5°	46678.0	46775.1	46825.9	46920.7	46950.8	47035.5	47059.5	47136.9	47140.1	47201.5	47187.5
7.5°	48192.4	48335.6	48420.6	48537.8	48597.1	48694.9	48737.8	48810.0	48833.3	48890.7	48895.1
10°	49096.7	49166.3	49214.8	49247.5	49277.4	49291.4	49307.7	49303.4	49307.7	49301.3	49315.4
12.5°	48741.1	48639.5	48572.4	48445.2	48371.5	48231.1	48162.0	48026.9	47977.8	47861.8	47845.1
15°	46939.6	46585.7	46335.7	45972.1	45743.6	45385.9	45176.6	44853.9	44706.4	44450.0	44382.7
17.5°	43656.1	42999.2	42490.9	41838.9	41386.3	40777.0	40393.7	39889.3	39613.0	39206.3	39065.4
20°	39052.7	38080.9	37318.4	36410.1	35760.1	34950.3	34431.7	33777.8	33398.2	32898.6	32696.0
22.5°	33648.3	32438.4	31486.1	30413.0	29628.8	28726.2	28105.1	27397.5	26984.5	26441.7	26201.4
25°	28077.9	26743.6	25684.9	24554.4	23725.8	22821.0	22199.7	21504.6	21077.2	20561.9	20323.1
27.5°	22750.4	21399.7	20376.6	19325.5	18565.4	17749.0	17188.4	16581.5	16202.2	15762.3	15537.7
30°	18048.9	16857.7	15987.0	15114.7	14482.3	13819.4	13353.5	12850.6	12517.8	12141.2	11927.1
32.5°	14218.6	13298.9	12617.2	11925.0	11407.5	10853.4	10450.9	10007.1	9706.7	9370.3	9176.5
35°	11260.9	10546.3	10002.5	9432.8	8988.1	8516.3	8161.6	7778.6	7509.0	7219.5	7052.1
37.5°	8897.3	8329.0	7881.6	7408.3	7043.1	6652.2	6520.5	6081.0	5801.6	5570.6	5410.5
40°	6982.6	6530.8	6160.6	5798.6	5500.8	5204.2	4966.3	4731.4	4551.2	4385.9	4271.5
42.5°	5452.8	5125.5	4855.1	4590.0	4372.7	4156.7	3984.3	3822.5	3701.1	3593.0	3519.3
45°	4334.8	4109.7	3921.7	3735.0	3581.7	3437.5	3321.5	3218.2	3139.9	3074.9	3028.9
47.5°	3561.2	3406.9	3274.4	3148.4	3044.4	2949.9	2872.2	2846.8	2762.6	2705.7	2684.1
50°	3026.5	2933.4	2832.7	2739.8	2670.2	2601.1	2550.7	2501.3	2469.7	2443.6	2435.7
52.5°	2627.4	2556.3	2500.3	2441.4	2395.5	2346.3	2311.5	2278.6	2261.3	2247.6	2245.9
55°	2330.8	2280.9	2243.9	2204.4	2176.9	2148.0	2130.1	2112.7	2105.1	2098.1	2098.6
57.5°	2106.3	2073.0	2048.9	2023.3	2008.5	1994.6	1990.0	1985.7	1988.0	1989.0	1992.9
60°	1942.7	1921.0	1905.9	1891.2	1885.0	1880.6	1883.9	1887.8	1895.8	1902.2	1907.9
62.5°	1817.3	1805.0	1797.6	1789.7	1789.0	1789.3	1796.1	1802.7	1812.6	1820.1	1825.6
65°	1688.3	1681.3	1678.9	1673.8	1676.4	1677.8	1686.0	1691.0	1700.9	1706.9	1714.0
67.5°	1557.9	1556.2	1557.8	1557.8	1562.3	1566.2	1574.0	1579.7	1588.1	1593.6	1599.2
70°	1461.6	1462.3	1465.9	1466.5	1471.5	1474.1	1480.9	1484.5	1492.2	1496.7	1503.7
72.5°	1368.0	1366.5	1367.3	1365.2	1366.8	1366.2	1369.9	1371.8	1378.1	1381.7	1390.1
75°	1268.3	1264.1	1263.1	1258.6	1258.7	1255.5	1257.0	1256.8	1261.0	1262.8	1268.8
77.5°	1147.9	1140.8	1137.5	1129.9	1129.7	1126.9	1129.9	1131.7	1139.1	1142.7	1149.6
80°	1003.9	992.8	987.7	978.9	980.4	979.9	987.4	992.9	1002.0	1003.7	1012.4
82.5°	834.3	823.1	817.6	809.1	811.1	811.3	818.0	819.2	827.1	830.5	840.6
85°	597.4	601.7	589.9	590.6	588.1	592.8	597.4	603.1	609.7	620.7	629.1
87.5°	351.9	350.3	354.5	355.0	361.1	364.3	374.1	379.7	390.7	399.2	414.7
90°	129.9	125.6	130.3	129.9	137.1	136.8	143.2	141.5	149.1	150.8	160.2
92.5°	6.9	7.5	6.9	7.3	6.9	7.6	6.9	7.5	6.9	7.6	6.9
95°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
97.5°	8.1	8.1	8.1	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
100°	8.9	8.9	8.9	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
102.5°	10.1	9.9	9.9	9.8	9.8	9.6	9.6	9.6	9.6	9.6	9.6
105°	11.3	11.1	11.0	10.8	10.8	10.6	10.6	10.3	10.3	10.3	10.3
107.5°	12.8	12.5	12.3	12.2	12.0	11.8	11.6	11.6	11.3	11.3	11.3
110°	14.5	14.1	14.0	13.5	13.4	13.2	12.8	12.8	12.5	12.3	12.3



TEST NUMBER: P1444633
 CATALOG NUMBER: EHBR1-54-UNV-TA-L850

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	16.9	16.4	15.7	15.3	15.0	14.5	14.3	14.1	14.0	13.9	13.5
115°	19.5	18.9	18.2	17.7	17.2	16.5	16.2	16.0	15.5	15.3	15.2
117.5°	23.0	22.1	21.1	20.4	19.7	19.1	18.6	17.9	17.6	17.4	17.2
120°	27.0	25.9	24.8	24.0	23.0	22.1	21.2	20.7	20.0	19.9	19.5
122.5°	31.7	30.5	29.2	28.2	27.0	25.9	24.9	24.3	23.5	23.0	22.6
125°	37.2	36.0	34.6	33.1	31.7	30.7	29.5	28.5	27.7	27.1	26.3
127.5°	43.7	42.0	40.5	39.1	37.4	36.2	34.9	33.9	32.7	31.9	31.0
130°	50.8	49.2	47.3	46.1	44.2	42.8	41.5	40.3	39.1	38.1	37.1
132.5°	58.7	57.2	55.5	53.8	52.2	50.6	49.1	47.7	46.2	45.2	44.2
135°	67.1	65.8	63.9	62.4	60.5	59.2	57.7	56.2	54.8	53.6	52.5
137.5°	76.2	74.8	73.2	71.8	70.0	68.7	66.8	65.6	63.9	63.1	61.7
140°	85.4	84.2	82.5	81.1	79.6	78.4	76.7	75.5	74.1	73.0	71.8
142.5°	94.5	93.3	91.9	90.8	89.4	88.2	86.7	85.6	84.2	83.2	81.9
145°	103.7	102.7	101.6	100.4	99.2	98.1	96.7	95.7	94.5	93.4	92.6
147.5°	112.9	111.8	110.8	109.8	108.6	107.6	106.4	105.8	104.4	103.7	102.7
150°	121.6	120.7	119.7	119.1	117.9	117.1	116.0	115.2	114.1	113.6	112.7
152.5°	130.1	129.4	128.5	127.9	126.8	126.0	125.1	124.5	123.7	123.0	121.9
155°	138.3	137.6	136.8	136.1	135.1	134.6	133.8	132.9	132.2	131.5	130.7
157.5°	146.3	145.6	144.7	144.2	143.2	142.5	141.8	141.2	140.4	139.8	139.0
160°	153.5	152.9	152.2	151.5	150.8	150.1	149.3	148.7	147.9	147.4	146.6
162.5°	160.6	159.9	159.4	158.7	157.9	157.4	156.5	155.9	155.2	154.5	153.6
165°	167.5	166.8	166.1	165.4	164.9	164.2	163.5	163.0	162.1	161.6	160.7
167.5°	174.4	173.9	173.2	172.7	171.9	171.2	170.7	170.0	169.3	168.7	167.8
170°	180.3	179.7	179.3	178.6	178.1	177.4	176.9	176.2	175.5	175.2	174.4
172.5°	184.9	184.7	184.2	183.9	183.2	182.8	182.5	182.0	181.5	180.9	180.6
175°	188.2	188.1	187.9	187.4	187.2	186.8	186.5	186.3	186.0	185.8	185.4
177.5°	190.3	190.1	190.1	189.8	189.6	189.6	189.4	189.4	189.3	189.1	189.1
180°	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7



TEST NUMBER: P1444633
 CATALOG NUMBER: EHBR1-54-UNV-TA-L850

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2
2.5°	45684.2	45672.6	45678.1	45656.7	45661.8	45636.0	45633.6	45604.4	45601.6	45574.1	45563.8
5°	47231.0	47205.6	47234.2	47189.5	47198.3	47140.1	47135.2	47060.0	47034.0	46939.9	46899.3
7.5°	48930.9	48921.4	48938.9	48901.5	48900.3	48848.3	48826.9	48759.4	48717.6	48618.8	48555.7
10°	49303.4	49312.1	49297.8	49301.3	49281.1	49275.5	49254.8	49241.6	49207.7	49182.1	49144.4
12.5°	47756.9	47766.1	47707.2	47744.6	47715.1	47784.1	47778.5	47859.8	47872.3	47975.2	48014.2
15°	44182.8	44171.7	44058.5	44129.8	44091.5	44243.0	44276.9	44480.6	44589.6	44851.2	45011.9
17.5°	38783.6	38754.4	38595.0	38681.8	38637.6	38861.0	38935.8	39261.8	39465.0	39886.5	40186.9
20°	32347.4	32291.6	32105.1	32206.8	32161.2	32414.9	32521.8	32915.7	33177.7	33736.1	34133.2
22.5°	25831.3	25743.1	25560.5	25655.4	25612.4	25875.2	26014.3	26409.4	26709.7	27282.8	27746.5
25°	19979.9	19901.4	19724.7	19791.1	19775.1	19997.4	20121.3	20495.0	20790.0	21336.0	21778.5
27.5°	15239.2	15157.3	14997.8	15044.9	15028.7	15218.0	15334.7	15647.0	15900.8	16360.4	16749.0
30°	11663.4	11564.7	11429.4	11455.3	11444.2	11597.8	11706.7	11969.7	12187.2	12575.6	12910.4
32.5°	8939.9	8840.8	8716.4	8728.6	8712.2	8832.6	8922.4	9151.1	9340.7	9670.9	9962.4
35°	6840.3	6956.1	6690.7	6858.9	6683.7	6940.8	6848.3	6991.3	7154.3	7432.6	7675.6
37.5°	5258.5	5177.8	5109.4	5102.2	5101.9	5161.4	5231.7	5369.3	5513.0	5720.4	5934.5
40°	4167.1	4110.4	4066.2	4063.1	4066.2	4108.6	4160.5	4255.7	4360.9	4509.8	4667.2
42.5°	3456.2	3418.6	3392.0	3390.1	3398.6	3428.5	3464.7	3521.2	3589.6	3686.1	3794.1
45°	2991.4	2970.5	2955.7	2954.8	2958.7	2974.3	2995.1	3030.3	3073.7	3134.0	3202.2
47.5°	2665.2	2660.1	2650.9	2651.2	2646.9	2653.4	2655.8	2675.5	2698.6	2744.0	2833.2
50°	2427.7	2427.7	2421.3	2421.0	2414.9	2414.5	2409.5	2417.3	2428.1	2456.2	2484.8
52.5°	2240.0	2239.3	2232.4	2231.0	2224.7	2224.3	2219.9	2223.0	2224.5	2238.6	2255.7
55°	2093.2	2088.9	2079.8	2076.9	2074.4	2078.1	2076.4	2076.5	2074.7	2080.7	2085.7
57.5°	1988.0	1982.3	1973.7	1971.1	1970.5	1974.9	1975.1	1973.5	1965.6	1960.2	1952.6
60°	1904.7	1898.9	1889.7	1887.3	1888.7	1894.7	1894.4	1889.3	1877.5	1867.2	1855.3
62.5°	1822.9	1820.6	1815.8	1815.2	1814.0	1815.0	1810.7	1805.3	1793.7	1782.7	1769.8
65°	1713.1	1714.3	1710.7	1711.2	1707.0	1706.3	1699.9	1694.7	1682.9	1672.9	1659.7
67.5°	1599.1	1599.9	1597.1	1597.1	1594.8	1595.2	1591.3	1586.5	1576.5	1568.4	1558.1
70°	1505.1	1507.5	1505.8	1506.3	1503.7	1502.6	1496.5	1491.8	1481.6	1474.8	1465.5
72.5°	1392.7	1397.7	1397.5	1398.8	1394.6	1392.7	1385.4	1379.5	1370.2	1364.8	1357.4
75°	1271.2	1277.7	1279.6	1282.5	1276.8	1273.7	1265.8	1261.0	1253.5	1250.3	1245.4
77.5°	1152.6	1159.9	1166.8	1173.2	1163.9	1155.7	1145.7	1138.2	1127.4	1123.1	1115.6
80°	1019.6	1032.4	1047.7	1060.6	1043.9	1027.0	1010.7	998.5	984.1	978.3	968.8
82.5°	845.8	859.0	867.7	876.0	864.4	852.1	836.2	825.6	810.1	804.4	793.4
85°	642.6	659.0	664.2	668.5	661.2	654.6	639.8	619.6	609.9	594.6	586.6
87.5°	422.7	432.5	434.3	435.8	431.3	428.1	418.5	409.0	392.3	380.1	365.3
90°	160.2	167.2	163.7	166.6	160.6	160.9	151.0	147.5	133.6	128.2	115.7
92.5°	7.3	6.8	6.9	6.8	7.6	6.9	7.6	6.9	7.5	6.9	7.5
95°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
97.5°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.1
100°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
102.5°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.8
105°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.6	10.6
107.5°	11.1	11.1	11.1	11.1	11.3	11.3	11.3	11.3	11.3	11.3	11.6
110°	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.5	12.5	12.8



TEST NUMBER: P1444633
 CATALOG NUMBER: EHBR1-54-UNV-TA-L850

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.9	13.9	14.0	14.0
115°	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.2	15.3	15.3	15.7
117.5°	16.9	16.7	16.7	16.7	16.7	16.7	16.9	16.9	17.2	17.4	17.7
120°	19.4	18.9	18.9	18.9	18.9	18.9	19.1	19.1	19.5	19.7	20.4
122.5°	22.3	21.9	21.9	21.7	21.7	21.7	21.9	22.1	22.6	23.0	23.5
125°	26.1	25.6	25.4	25.3	25.3	25.3	25.4	25.9	26.3	26.6	27.5
127.5°	30.7	30.4	29.9	29.7	29.7	29.7	30.2	30.4	30.8	31.5	32.4
130°	36.4	36.0	35.8	35.3	35.3	35.3	35.8	36.0	36.7	37.2	38.3
132.5°	43.7	42.8	42.5	42.0	42.0	42.0	42.5	42.8	43.7	44.2	45.6
135°	51.8	51.1	50.6	50.3	50.3	50.1	50.4	50.8	51.6	52.5	53.4
137.5°	61.1	60.2	59.9	59.2	59.2	59.2	59.5	59.9	60.5	61.4	62.6
140°	71.0	70.1	69.8	69.2	69.2	69.0	69.3	69.6	70.3	71.2	72.2
142.5°	81.3	80.3	80.0	79.6	79.3	79.3	79.8	80.0	80.6	81.1	82.1
145°	91.7	90.9	90.6	90.1	89.9	89.9	90.1	90.4	90.9	91.3	92.2
147.5°	102.1	101.4	101.1	100.5	100.5	100.4	100.5	100.5	101.1	101.4	102.1
150°	112.4	111.5	111.0	110.6	110.5	110.3	110.5	110.3	110.6	110.8	111.5
152.5°	121.6	120.7	120.6	120.1	119.7	119.5	119.5	119.4	119.5	119.5	120.1
155°	130.3	129.9	129.4	128.9	128.5	128.2	128.2	127.9	128.0	127.9	128.0
157.5°	138.6	138.0	137.6	136.9	136.6	136.1	135.9	135.7	135.7	135.1	135.1
160°	146.3	145.4	144.9	144.4	144.0	143.3	143.2	142.5	142.3	142.0	141.8
162.5°	153.1	152.4	152.0	151.3	151.0	150.3	149.9	149.3	148.9	148.6	148.4
165°	160.0	159.4	158.8	158.0	157.7	157.2	156.7	156.2	155.9	155.3	155.2
167.5°	167.5	166.6	166.1	165.4	165.1	164.4	164.2	163.7	163.5	163.1	163.1
170°	174.1	173.4	173.1	172.6	172.2	171.7	171.5	171.0	170.8	170.7	170.7
172.5°	180.3	179.8	179.5	179.2	178.8	178.5	178.3	178.1	177.8	177.8	177.6
175°	185.2	184.9	184.7	184.4	184.2	184.2	184.0	184.0	184.0	183.9	183.9
177.5°	188.7	188.6	188.6	188.6	188.4	188.4	188.4	188.4	188.4	188.2	188.1
180°	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7



TEST NUMBER: P1444633
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CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2
2.5°	45534.3	45522.3	45490.8	45475.3	45446.1	45431.4	45408.7	45393.9	45375.6	45361.9	45354.8
5°	46795.8	46737.7	46621.0	46549.1	46423.2	46340.2	46215.0	46123.3	45994.0	45898.7	45776.6
7.5°	48437.3	48347.9	48198.4	48085.1	47908.9	47774.1	47576.3	47418.0	47199.5	47018.0	46794.7
10°	49105.6	49053.4	48986.3	48913.4	48815.8	48719.9	48584.9	48447.3	48263.8	48081.3	47842.8
12.5°	48117.9	48166.9	48263.8	48308.9	48383.0	48408.2	48442.0	48426.1	48396.2	48321.6	48213.5
15°	45320.6	45525.5	45849.3	46073.3	46387.2	46607.6	46899.3	47087.0	47303.2	47432.4	47555.1
17.5°	40719.2	41115.5	41686.9	42142.8	42754.8	43252.5	43862.2	44341.1	44894.3	45318.6	45770.2
20°	34825.4	35380.5	36169.3	36839.3	37726.1	38478.1	39441.5	40248.6	41190.1	41974.8	42821.8
22.5°	28482.1	29135.1	30039.0	30847.0	31906.0	32851.9	34059.0	35126.1	36398.8	37539.0	38800.3
25°	22498.0	23138.0	24058.7	24895.4	26038.6	27080.6	28399.3	29623.6	31100.5	32477.8	34059.0
27.5°	17366.3	17934.7	18744.1	19497.2	20544.3	21567.2	22905.6	24211.0	25787.0	27267.2	28971.1
30°	13411.7	13872.8	14521.3	15127.2	15967.7	16804.3	17996.4	19203.7	20771.9	22305.8	24052.8
32.5°	10393.7	10786.8	11328.2	11820.1	12467.7	13098.5	13976.3	14941.1	16316.7	17785.9	19475.1
35°	8045.8	8382.2	8843.0	9266.6	9799.3	10300.1	10955.2	11643.7	12693.5	13929.3	15441.0
37.5°	6414.6	6551.7	6880.6	7227.7	7670.1	8081.6	8594.1	9103.2	9854.2	10829.3	12064.2
40°	4878.2	5096.0	5363.6	5637.0	5972.0	6302.1	6864.3	7134.9	7629.5	8329.4	9287.9
42.5°	3936.1	4089.2	4277.6	4467.7	4701.1	4931.0	5215.4	5505.0	5874.7	6348.8	7030.6
45°	3293.8	3393.7	3515.1	3641.8	3795.0	3951.9	4142.4	4341.2	4591.7	4883.1	5297.1
47.5°	2864.7	2919.9	2999.2	3085.6	3190.7	3299.4	3423.1	3549.9	3705.5	3878.4	4114.2
50°	2529.8	2575.8	2637.4	2695.2	2767.8	2879.1	2928.2	2998.1	3091.7	3193.5	3325.3
52.5°	2287.4	2318.1	2356.7	2390.0	2435.9	2477.5	2532.1	2580.3	2645.2	2706.2	2791.3
55°	2098.6	2109.8	2131.7	2153.2	2184.9	2213.4	2250.8	2282.3	2323.7	2360.2	2413.9
57.5°	1953.0	1953.9	1964.1	1975.2	1995.6	2013.5	2039.3	2060.0	2088.7	2112.0	2144.2
60°	1848.2	1842.7	1844.6	1848.5	1860.0	1871.6	1888.1	1901.7	1919.7	1932.8	1950.9
62.5°	1761.0	1752.2	1750.2	1749.2	1754.9	1759.2	1768.1	1774.7	1785.0	1790.7	1800.3
65°	1650.9	1640.6	1636.6	1631.8	1633.5	1632.2	1635.5	1635.7	1640.9	1642.1	1647.7
67.5°	1551.0	1542.4	1537.2	1530.8	1527.9	1523.3	1521.4	1516.9	1516.2	1512.6	1511.7
70°	1460.0	1451.5	1447.1	1441.2	1438.2	1432.1	1428.4	1421.0	1416.6	1409.7	1405.8
72.5°	1354.6	1349.8	1348.5	1344.4	1343.4	1340.0	1338.6	1333.2	1330.2	1324.3	1321.0
75°	1244.4	1240.5	1240.1	1236.1	1235.8	1231.8	1230.7	1225.2	1222.2	1216.4	1213.9
77.5°	1113.2	1107.4	1105.8	1101.0	1102.2	1100.2	1101.9	1097.7	1095.8	1089.9	1088.1
80°	965.4	958.0	955.0	948.7	950.5	947.5	950.5	950.1	952.2	947.5	946.7
82.5°	790.3	782.3	780.7	776.4	779.2	779.5	785.8	782.4	783.8	779.3	781.2
85°	575.1	569.0	560.6	559.4	554.1	559.6	552.3	557.2	549.3	554.9	547.5
87.5°	356.6	344.1	337.5	328.6	325.1	316.6	313.1	306.8	308.6	305.8	307.5
90°	112.7	101.6	98.1	88.4	86.5	77.9	77.8	71.3	72.0	65.4	66.6
92.5°	6.9	6.9	6.8	7.3	6.9	6.9	6.8	7.3	6.9	7.3	6.9
95°	7.5	7.5	7.5	7.5	7.5	7.5	7.6	7.6	7.6	7.6	7.6
97.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.4	8.4	8.4	8.4
100°	8.7	8.9	8.9	8.9	8.9	9.1	9.1	9.1	9.4	9.4	9.4
102.5°	9.8	9.8	9.8	9.9	9.9	9.9	10.1	10.3	10.3	10.6	10.8
105°	10.6	10.8	10.8	11.0	11.0	11.1	11.3	11.6	11.8	12.0	12.2
107.5°	11.6	11.8	12.0	12.2	12.2	12.5	12.8	13.0	13.2	13.5	14.0
110°	12.8	13.0	13.2	13.5	13.9	14.0	14.3	14.6	15.2	15.5	16.2



TEST NUMBER: P1444633
 CATALOG NUMBER: EHBR1-54-UNV-TA-L850

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	14.1	14.5	14.6	15.2	15.5	16.0	16.4	16.9	17.6	18.2	18.8
115°	16.0	16.4	16.5	17.2	17.6	18.2	18.8	19.5	20.4	21.1	21.9
117.5°	17.9	18.6	18.9	19.5	20.0	21.1	21.7	22.8	23.8	24.8	25.4
120°	20.7	21.2	21.9	22.8	23.5	24.5	25.4	26.5	27.7	28.9	29.9
122.5°	24.0	24.8	25.4	26.5	27.5	28.7	29.9	31.3	32.5	33.9	35.1
125°	28.2	29.2	30.2	31.3	32.5	33.9	35.1	36.7	38.1	39.7	41.2
127.5°	33.1	34.3	35.5	36.7	38.1	39.7	41.2	42.8	44.2	46.1	47.3
130°	39.3	40.5	41.6	43.3	44.7	46.4	48.0	49.9	51.3	52.9	54.5
132.5°	46.4	47.9	49.1	50.8	52.3	53.9	55.7	57.4	59.0	60.9	62.3
135°	54.6	56.0	57.4	59.0	60.5	62.4	63.9	65.8	67.1	69.0	70.3
137.5°	63.6	64.9	66.5	68.0	69.3	71.2	72.7	74.4	75.7	77.4	78.8
140°	73.2	74.6	75.7	77.4	78.8	80.3	81.4	83.2	84.4	86.0	87.2
142.5°	83.0	84.4	85.2	86.5	87.7	89.4	90.6	91.9	92.9	94.1	95.1
145°	92.9	94.1	95.0	96.2	97.1	98.3	99.2	100.4	101.1	102.1	102.8
147.5°	102.7	103.5	104.0	105.1	105.9	106.6	107.5	108.2	108.7	109.6	110.3
150°	111.8	112.5	112.9	113.6	114.0	114.7	115.0	115.7	116.0	116.7	117.1
152.5°	120.2	120.6	120.6	121.3	121.4	121.8	121.9	122.5	122.6	123.0	123.5
155°	127.9	128.0	128.0	128.2	128.2	128.4	128.4	128.9	129.1	129.2	129.6
157.5°	135.0	134.8	134.8	134.8	134.6	134.8	134.8	135.0	135.1	135.7	135.9
160°	141.3	141.2	141.0	141.0	141.0	141.0	141.0	141.3	141.5	142.1	142.5
162.5°	147.9	147.7	147.5	147.5	147.5	147.7	147.9	148.4	148.6	149.1	149.6
165°	155.0	155.0	154.7	155.0	155.0	155.2	155.3	155.7	156.2	156.7	157.2
167.5°	163.0	163.0	163.0	163.1	163.1	163.3	163.5	164.1	164.2	164.9	165.1
170°	170.5	170.7	170.5	170.7	170.7	170.8	171.0	171.2	171.5	171.9	172.0
172.5°	177.6	177.6	177.6	177.6	177.6	177.8	177.8	178.1	178.1	178.3	178.3
175°	183.7	183.7	183.7	183.7	183.7	183.5	183.5	183.2	183.2	183.2	183.2
177.5°	187.9	187.5	187.4	187.4	187.2	187.0	187.0	186.8	186.8	186.8	186.5
180°	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7



TEST NUMBER: P1444633
 CATALOG NUMBER: EHBR1-54-UNV-TA-L850

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2
2.5°	45345.7	45345.2	45340.8	45342.9	45343.6	45346.9	45350.8	45354.8	45355.6	45358.9	45359.6
5°	45685.1	45572.9	45489.9	45398.7	45330.0	45268.3	45227.1	45194.4	45181.8	45185.0	45192.6
7.5°	46605.3	46373.8	46182.6	45965.4	45784.2	45592.5	45433.4	45282.3	45172.1	45090.0	45044.1
10°	47615.1	47333.1	47063.2	46748.8	46450.6	46132.3	45844.1	45553.9	45311.8	45101.7	44947.3
12.5°	48063.2	47863.9	47630.6	47333.9	47014.8	46647.6	46276.7	45879.2	45509.5	45166.2	44889.4
15°	47588.7	47589.1	47504.1	47361.7	47140.1	46846.6	46493.3	46078.9	45642.7	45197.7	44791.0
17.5°	46082.6	46366.8	46524.8	46624.8	46594.2	46486.0	46261.2	45942.9	45536.3	45062.2	44566.0
20°	43496.2	44166.4	44644.3	45074.0	45314.9	45474.9	45458.9	45329.4	45039.7	44636.7	44119.9
22.5°	39872.9	40997.9	41885.6	42713.4	43293.9	43766.2	43990.7	44085.9	43954.8	43674.0	43188.7
25°	35472.2	37001.8	38307.1	39573.9	40524.2	41340.9	41831.6	42177.4	42204.9	42058.1	41625.2
27.5°	30582.2	32387.7	34039.8	35723.4	37059.7	38233.7	39004.0	39567.8	39747.0	39723.3	39330.2
30°	25698.4	27593.9	29414.9	31378.1	33031.7	34531.6	35549.1	36311.7	36605.5	36661.8	36283.7
32.5°	21086.2	22955.3	24771.3	26823.8	28643.4	30362.4	31564.6	32470.4	32812.0	32892.6	32477.8
35°	16900.3	18624.7	20350.5	22339.7	24148.9	25929.0	27195.8	28144.0	28463.1	28516.9	28036.8
37.5°	13270.4	14739.6	16243.3	18028.1	19689.7	21361.4	22565.0	23456.2	23688.6	23674.3	23130.9
40°	10214.0	11356.2	12564.5	14033.9	15415.2	16828.5	17844.9	18581.6	18703.7	18613.2	18042.3
42.5°	7680.3	8505.4	9381.3	10478.2	11503.1	12560.8	13300.2	13847.2	13864.6	13721.5	13209.1
45°	5721.9	6526.7	6894.1	7557.3	8217.4	8920.8	9372.2	9710.0	9657.8	9531.9	9142.6
47.5°	4361.9	4671.2	4999.3	5410.5	5795.1	6593.2	6534.0	7076.5	6685.8	6952.3	6365.7
50°	3463.8	3636.7	3813.5	4031.7	4232.5	4441.2	4571.6	4668.9	4656.3	4614.4	4502.1
52.5°	2946.8	3000.4	3087.4	3211.5	3323.6	3436.5	3510.7	3571.1	3572.3	3555.4	3498.6
55°	2463.0	2530.7	2593.3	2674.4	2812.7	2833.9	2940.3	2918.7	2927.1	2897.6	2927.8
57.5°	2171.5	2211.0	2246.3	2294.5	2334.5	2381.0	2408.5	2435.0	2432.4	2426.7	2397.7
60°	1965.0	1986.9	2006.4	2034.6	2056.5	2082.8	2095.5	2109.0	2104.5	2094.8	2069.0
62.5°	1805.8	1819.6	1830.7	1848.8	1862.2	1878.6	1885.1	1890.9	1885.1	1875.9	1853.1
65°	1648.9	1657.6	1664.7	1678.3	1687.8	1701.8	1707.4	1712.8	1707.5	1700.3	1682.9
67.5°	1507.2	1508.0	1507.3	1512.9	1515.8	1524.2	1526.8	1530.6	1524.5	1518.3	1503.7
70°	1399.7	1397.5	1394.8	1397.0	1397.5	1401.6	1402.3	1401.6	1394.3	1383.5	1367.5
72.5°	1315.8	1314.6	1312.5	1314.4	1314.4	1318.1	1316.9	1315.1	1306.1	1295.6	1279.8
75°	1207.8	1206.9	1202.9	1203.1	1199.7	1200.8	1196.5	1194.0	1184.0	1175.2	1161.1
77.5°	1081.5	1079.4	1073.5	1071.4	1064.9	1062.2	1054.0	1050.0	1039.8	1032.8	1020.6
80°	940.4	938.3	930.7	926.5	916.4	909.9	897.8	890.8	879.2	872.4	860.5
82.5°	777.4	778.2	770.6	765.4	750.9	739.8	723.5	714.8	701.9	695.3	683.1
85°	552.8	545.0	549.2	548.8	539.8	530.1	517.0	507.6	496.8	490.5	481.9
87.5°	303.2	305.1	302.9	301.1	294.7	289.8	279.5	274.1	266.2	262.3	255.9
90°	60.0	61.2	55.1	56.5	50.6	49.2	42.0	41.8	35.5	34.8	29.7
92.5°	6.9	6.9	7.3	6.9	7.3	7.3	7.3	7.3	7.3	6.9	7.3
95°	7.6	7.8	7.8	7.8	7.8	7.8	8.0	8.0	8.0	8.0	8.0
97.5°	8.6	8.6	8.6	8.7	8.7	8.7	8.9	8.9	8.9	8.9	8.9
100°	9.6	9.8	9.8	9.8	9.9	9.9	10.1	10.1	10.3	10.3	10.3
102.5°	10.8	11.0	11.1	11.3	11.6	11.6	11.8	11.8	12.0	12.0	12.0
105°	12.3	12.5	13.0	13.2	13.4	13.5	13.9	13.9	14.0	14.1	14.1
107.5°	14.3	14.5	15.0	15.3	15.5	16.0	16.2	16.4	16.5	16.7	16.9
110°	16.5	16.9	17.6	17.9	18.4	18.8	19.1	19.4	19.7	19.9	20.4



TEST NUMBER: P1444633
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CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	19.4	19.9	20.7	21.1	21.7	22.1	22.8	23.1	23.5	24.0	24.3
115°	22.8	23.5	24.3	24.9	25.6	26.3	27.0	27.3	27.8	28.3	28.9
117.5°	26.6	27.5	28.5	29.4	30.2	30.8	31.7	32.4	33.1	33.7	34.3
120°	31.3	32.4	33.2	34.3	35.3	36.2	37.1	37.9	38.6	39.5	40.3
122.5°	36.4	37.6	39.0	39.8	41.2	42.0	43.3	44.0	45.0	46.1	47.1
125°	42.5	43.7	45.0	46.2	47.3	48.6	49.9	50.8	52.2	52.9	54.3
127.5°	49.1	50.3	51.8	52.9	54.5	55.7	57.0	58.1	59.3	60.5	62.1
130°	56.2	57.4	59.0	60.2	61.7	63.1	64.4	65.8	67.1	68.7	70.1
132.5°	63.7	65.2	66.8	68.0	69.6	70.8	72.4	73.7	75.4	76.7	78.4
135°	72.0	73.2	74.8	75.9	77.6	78.8	80.3	81.8	83.5	85.0	86.7
137.5°	80.2	81.3	82.8	84.0	85.6	86.7	88.4	89.7	91.5	92.9	95.0
140°	88.4	89.6	90.8	91.9	93.3	94.5	96.2	97.4	99.2	100.7	102.5
142.5°	96.3	97.1	98.3	99.3	100.7	101.7	103.2	104.7	106.3	108.0	109.6
145°	103.9	104.7	105.8	106.6	107.6	108.7	110.3	111.7	113.2	114.7	116.4
147.5°	111.0	111.7	112.7	113.6	114.5	115.3	116.9	118.1	119.5	121.1	122.6
150°	117.9	118.4	119.1	119.7	120.7	121.8	123.0	124.2	125.8	127.2	128.5
152.5°	124.0	124.5	125.1	126.0	126.8	127.9	129.1	130.3	131.5	132.7	134.3
155°	130.3	130.5	131.4	132.2	133.2	133.9	135.1	136.1	137.3	138.6	139.8
157.5°	136.6	136.9	137.8	138.6	139.5	140.4	141.5	142.3	143.5	144.6	145.6
160°	143.2	143.7	144.6	145.4	146.3	147.0	148.1	148.9	149.9	151.0	152.0
162.5°	150.3	151.0	151.8	152.3	153.3	154.1	155.2	155.9	156.9	157.7	158.7
165°	157.9	158.5	159.4	159.9	160.7	161.3	162.3	163.0	163.9	164.4	165.4
167.5°	166.0	166.3	166.8	167.3	168.2	168.7	169.5	170.0	170.8	171.5	172.2
170°	172.6	172.9	173.2	173.8	174.3	174.7	175.2	175.5	176.4	176.9	177.6
172.5°	178.6	178.6	179.2	179.3	179.7	179.8	180.3	180.6	180.9	181.5	181.8
175°	183.5	183.5	183.7	183.7	183.9	184.0	184.4	184.7	184.9	185.1	185.2
177.5°	186.5	186.5	186.5	186.5	186.8	186.8	187.0	187.0	187.2	187.2	187.4
180°	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7



TEST NUMBER: P1444633
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CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2
2.5°	45358.0	45357.5	45356.0	45354.0	45352.0	45353.2	45355.1	45360.3	45369.5	45382.6	45399.8
5°	45198.9	45208.1	45213.3	45214.0	45209.3	45206.4	45210.7	45223.2	45248.4	45290.6	45347.6
7.5°	45031.9	45043.3	45060.8	45074.0	45076.6	45073.3	45074.0	45093.6	45139.9	45222.0	45337.3
10°	44853.6	44819.7	44837.6	44870.3	44896.2	44900.9	44904.2	44927.3	44995.0	45119.2	45304.3
12.5°	44689.0	44581.7	44561.0	44590.4	44629.9	44642.6	44639.1	44649.0	44728.4	44892.7	45150.5
15°	44472.4	44270.5	44201.5	44209.1	44257.8	44275.4	44262.5	44243.0	44320.4	44521.0	44854.8
17.5°	44121.9	43796.4	43669.5	43663.9	43721.0	43736.1	43704.8	43644.1	43720.3	43970.6	44385.0
20°	43589.1	43108.6	42869.8	42831.8	42893.7	42875.7	42813.1	42721.4	42821.5	43125.8	43618.6
22.5°	42631.3	42022.4	41614.4	41482.8	41556.9	41507.5	41416.2	41299.0	41432.1	41777.9	42326.7
25°	41066.1	40362.6	39804.0	39490.6	39549.7	39461.1	39361.8	39219.7	39378.5	39775.3	40379.4
27.5°	38765.5	37952.9	37260.7	36741.9	36761.0	36645.0	36530.5	36346.8	36544.9	37014.6	37696.0
30°	35706.3	34766.1	33923.1	33218.0	33154.9	33042.5	32925.3	32684.0	32932.0	33494.3	34290.6
32.5°	31864.5	30820.6	29846.5	28955.1	28786.9	28677.1	28572.7	28295.1	28619.8	29275.4	30190.2
35°	27371.7	26259.5	25203.6	24185.5	23906.9	23797.1	23705.8	23439.8	23845.0	24558.4	25546.4
37.5°	22440.2	21304.0	20255.7	19211.7	18818.0	18669.1	18602.8	18428.5	18895.9	19601.6	20593.7
40°	17377.5	16321.1	15381.2	14459.0	14010.2	13782.4	13747.7	13715.9	14167.8	14780.0	15680.5
42.5°	12641.4	11789.2	11064.4	10359.6	9952.9	9641.8	9641.6	9736.0	10142.8	10601.4	11295.8
45°	8744.4	8172.6	7710.7	7239.8	7365.6	6745.3	7109.8	6922.7	7123.8	7419.4	7871.0
47.5°	6011.0	5698.8	5445.1	5182.0	4990.2	4807.1	4823.1	4941.2	5130.5	5306.0	5540.9
50°	4381.0	4221.9	4092.8	3956.1	3860.6	3779.9	3784.6	3835.7	3935.2	4027.6	4150.6
52.5°	3432.8	3345.1	3274.9	3199.4	3149.3	3109.1	3111.3	3136.1	3189.9	3242.7	3313.2
55°	2829.5	2818.8	2727.6	2659.8	2634.0	2607.0	2611.9	2621.7	2658.2	2689.2	2735.8
57.5°	2371.0	2330.1	2302.8	2267.0	2250.6	2231.7	2236.0	2239.7	2264.2	2284.9	2318.5
60°	2047.4	2018.4	1999.0	1974.7	1963.9	1951.9	1954.6	1956.8	1972.5	1986.0	2010.1
62.5°	1832.3	1806.4	1789.5	1770.8	1763.2	1755.1	1757.0	1757.6	1767.4	1777.3	1795.6
65°	1667.4	1646.8	1632.8	1616.6	1608.7	1600.2	1601.1	1601.1	1609.4	1616.6	1630.3
67.5°	1493.0	1477.4	1468.4	1455.5	1450.1	1441.6	1441.4	1438.6	1444.0	1447.0	1456.2
70°	1353.0	1337.4	1325.7	1313.4	1306.6	1299.1	1299.2	1299.4	1305.6	1312.2	1324.2
72.5°	1266.5	1251.5	1241.2	1230.4	1224.0	1217.5	1216.4	1215.8	1220.3	1223.8	1231.8
75°	1151.9	1140.0	1133.9	1123.8	1118.7	1111.4	1110.3	1106.9	1109.1	1109.8	1115.7
77.5°	1013.0	1001.7	996.8	986.5	982.3	974.0	973.3	969.6	971.4	970.1	974.7
80°	854.6	844.4	841.6	833.2	831.2	823.5	822.4	817.8	819.2	815.7	817.4
82.5°	677.9	668.4	666.4	658.6	658.6	651.7	651.3	644.5	644.5	638.6	629.1
85°	477.5	470.6	467.7	461.3	459.4	453.9	451.0	444.4	442.0	437.8	436.5
87.5°	252.0	247.6	243.7	240.7	235.2	225.1	224.4	217.4	217.9	213.1	213.4
90°	29.7	25.1	25.3	21.2	21.1	18.6	18.8	17.6	17.2	16.2	16.0
92.5°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
95°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.1	8.1
97.5°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	9.1	9.1	9.1	9.1
100°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.6	10.6	10.6	10.6
102.5°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.3	12.3
105°	14.1	14.3	14.3	14.3	14.3	14.3	14.3	14.5	14.5	14.5	14.6
107.5°	16.9	17.2	17.2	17.4	17.2	17.4	17.4	17.6	17.6	17.6	17.6
110°	20.4	20.5	20.7	20.9	20.9	21.1	21.1	21.2	21.2	21.2	21.2



TEST NUMBER: P1444633
 CATALOG NUMBER: EHBR1-54-UNV-TA-L850

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	24.5	24.8	24.9	25.3	25.3	25.6	25.6	25.9	25.9	26.1	25.9
115°	29.4	29.7	30.2	30.5	30.7	31.0	31.0	31.5	31.5	31.5	31.5
117.5°	34.8	35.5	36.0	36.4	36.7	37.2	37.4	37.6	37.6	37.9	37.6
120°	40.9	41.8	42.5	43.0	43.7	44.2	44.5	44.9	44.9	44.9	44.7
122.5°	47.9	48.9	49.6	50.4	51.1	51.8	52.2	52.5	52.5	52.7	52.3
125°	55.1	56.5	57.4	58.3	59.0	60.0	60.2	60.9	60.9	60.9	60.5
127.5°	63.3	64.4	65.4	66.8	67.5	68.3	68.9	69.3	69.3	69.3	69.0
130°	71.3	73.0	74.1	75.4	76.2	77.1	77.6	78.1	78.1	78.4	77.9
132.5°	79.8	81.4	82.8	84.2	85.0	86.1	86.5	87.2	87.2	87.3	86.8
135°	88.4	89.9	91.3	92.9	93.9	95.0	95.5	96.2	96.2	96.2	95.7
137.5°	96.5	98.3	99.7	101.1	102.3	103.2	103.9	104.4	104.4	104.7	104.2
140°	104.0	105.9	107.5	108.7	110.1	111.3	111.8	112.5	112.5	112.5	112.0
142.5°	111.3	113.0	114.5	116.0	117.1	118.3	119.0	119.4	119.4	119.4	119.1
145°	118.1	119.5	121.1	122.6	123.7	124.7	125.1	125.8	125.8	125.8	125.6
147.5°	124.2	125.8	127.0	128.4	129.4	130.3	131.0	131.4	131.5	131.5	131.4
150°	130.1	131.4	132.6	133.8	134.8	135.7	135.9	136.6	136.8	136.9	136.8
152.5°	135.5	136.6	137.8	138.8	139.8	140.5	141.0	141.5	142.0	142.3	142.3
155°	140.9	142.0	143.0	144.0	144.7	145.6	146.3	146.9	147.4	147.7	148.1
157.5°	146.6	147.7	148.6	149.6	150.3	151.3	152.0	152.8	153.3	154.0	154.3
160°	152.8	154.0	154.7	155.7	156.5	157.4	158.0	158.8	159.5	160.0	160.7
162.5°	159.5	160.6	161.1	162.1	163.0	163.7	164.4	165.3	166.0	166.6	167.2
165°	166.3	167.2	167.8	168.7	169.5	170.3	170.8	171.7	172.2	172.9	173.4
167.5°	172.9	173.8	174.3	175.0	175.5	176.4	177.1	177.8	178.3	178.8	179.3
170°	178.1	178.8	179.5	180.0	180.6	181.3	181.6	182.1	182.7	183.2	183.7
172.5°	182.1	182.8	183.2	183.9	184.2	184.7	185.1	185.7	186.0	186.3	186.5
175°	185.4	185.8	186.0	186.3	186.5	186.8	187.2	187.4	187.9	188.1	188.4
177.5°	187.5	187.9	188.1	188.1	188.2	188.2	188.4	188.4	188.6	188.7	188.7
180°	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7



TEST NUMBER: P1444633
 CATALOG NUMBER: EHBR1-54-UNV-TA-L850

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2
2.5°	45424.2	45446.9	45481.7	45513.2	45560.6	45598.1	45654.2	45696.9	45760.3	45801.5	45870.4
5°	45428.2	45517.1	45634.0	45748.0	45885.1	46009.5	46164.2	46296.0	46451.5	46578.3	46737.3
7.5°	45492.5	45663.8	45869.3	46076.2	46310.3	46529.3	46776.0	46999.3	47243.4	47449.9	47675.6
10°	45539.8	45804.1	46106.9	46411.5	46732.1	47030.0	47330.7	47590.6	47833.5	48033.3	48209.9
12.5°	45475.6	45839.7	46228.2	46603.2	46959.8	47268.1	47526.9	47726.8	47864.7	47958.3	47980.2
15°	45257.2	45695.4	46117.7	46491.2	46787.1	47015.3	47133.4	47188.7	47129.3	47030.8	46814.2
17.5°	44849.2	45311.3	45688.9	45983.6	46140.0	46201.9	46104.0	45933.8	45601.2	45232.1	44698.9
20°	44101.2	44531.8	44805.7	44966.4	44924.6	44769.9	44400.6	43951.6	43287.5	42579.8	41646.0
22.5°	42789.1	43165.5	43311.5	43323.5	43068.3	42681.0	42014.8	41244.7	40197.1	39108.0	37768.7
25°	40819.7	41149.4	41172.5	41042.9	40576.0	39948.4	38970.1	37880.7	36457.2	35006.0	33327.7
27.5°	38148.7	38464.9	38387.5	38145.9	37497.5	36657.7	35405.2	33997.9	32243.0	30529.0	28672.4
30°	34791.1	35129.3	35038.5	34728.5	33957.3	32964.7	31491.0	29856.0	27907.5	26076.8	24195.5
32.5°	30773.1	31200.7	31137.9	30843.2	30038.6	28976.3	27377.3	25643.1	23649.6	21845.7	20015.5
35°	26206.1	26725.2	26752.1	26559.4	25812.4	24762.5	23183.4	21504.9	19595.6	17893.4	16202.7
37.5°	21285.7	21887.5	22011.1	21959.1	21340.0	20413.2	18974.5	17468.7	15777.2	14285.4	12839.5
40°	16337.9	16947.2	17158.5	17221.3	16764.4	16046.5	14865.7	13650.3	12271.4	11062.5	9914.4
42.5°	11825.9	12366.0	12570.2	12698.8	12413.5	11934.9	11073.5	10190.9	9180.7	8308.8	7472.9
45°	8213.3	8595.3	8750.7	8880.1	8724.7	8454.7	7910.8	7358.7	6691.9	6122.1	5582.7
47.5°	5742.4	5953.1	6055.6	6118.4	6058.2	5917.3	5621.4	5301.6	4925.1	4592.2	4272.0
50°	4256.4	4368.5	4422.1	4458.5	4414.6	4336.3	4176.1	4002.0	3795.2	3606.6	3422.4
52.5°	3373.0	3437.4	3469.2	3488.8	3463.6	3415.8	3322.5	3219.2	3095.3	2978.8	2917.6
55°	2841.6	2838.3	2912.0	2876.4	2912.0	2832.5	2815.8	2702.3	2599.4	2526.9	2448.4
57.5°	2343.4	2376.8	2391.0	2406.8	2396.6	2382.0	2342.3	2301.8	2247.5	2202.1	2153.6
60°	2028.5	2056.0	2071.5	2087.2	2086.2	2080.8	2057.9	2033.5	1999.6	1972.5	1943.1
62.5°	1811.6	1835.4	1850.7	1865.7	1867.1	1864.9	1847.6	1830.7	1807.6	1790.5	1770.3
65°	1640.9	1657.6	1668.1	1680.1	1679.4	1676.2	1660.4	1646.5	1627.4	1615.7	1600.8
67.5°	1462.3	1475.0	1483.0	1494.3	1496.5	1497.2	1488.6	1482.1	1472.7	1469.4	1464.3
70°	1335.3	1350.6	1363.6	1377.9	1385.7	1389.4	1385.7	1382.4	1377.0	1374.6	1370.7
72.5°	1239.1	1252.1	1262.2	1275.3	1282.5	1287.8	1284.9	1283.1	1278.3	1277.6	1274.9
75°	1119.8	1128.7	1134.4	1144.2	1148.1	1153.0	1150.7	1151.9	1150.4	1154.2	1154.0
77.5°	976.2	982.8	985.5	992.6	993.3	999.2	1000.5	1007.4	1012.3	1023.1	1028.8
80°	814.6	818.8	818.8	826.1	829.3	839.3	844.0	855.3	860.5	870.1	871.0
82.5°	632.8	628.0	632.8	629.7	639.1	650.2	651.7	661.4	663.5	669.6	664.9
85°	432.6	432.3	428.4	429.1	426.2	427.6	425.9	427.7	426.0	426.2	421.8
87.5°	207.3	209.1	204.6	206.1	201.8	203.7	199.9	202.9	198.3	199.0	192.2
90°	15.3	15.0	14.3	14.1	14.5	14.0	13.9	13.5	13.9	13.4	13.4
92.5°	7.3	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.6	7.5	7.5
95°	8.1	8.1	8.1	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
97.5°	9.4	9.4	9.4	9.4	9.6	9.6	9.6	9.6	9.6	9.6	9.4
100°	10.8	10.8	10.8	11.0	11.0	11.0	11.0	11.0	11.0	10.8	10.8
102.5°	12.5	12.5	12.5	12.8	12.8	12.8	12.8	12.8	12.5	12.5	12.3
105°	14.6	14.6	15.0	15.0	15.0	15.0	15.0	15.0	14.6	14.5	14.5
107.5°	17.7	17.7	17.9	17.9	17.9	17.9	17.7	17.6	17.6	17.4	16.9
110°	21.6	21.2	21.6	21.6	21.6	21.2	21.2	20.9	20.7	20.4	20.0



TEST NUMBER: P1444633
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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°	26.1	25.9	25.9	25.6	25.6	25.3	25.3	24.9	24.8	24.2	23.8
115°	31.5	31.0	31.0	30.7	30.7	30.4	29.9	29.5	29.2	28.5	28.2
117.5°	37.4	37.2	37.1	36.4	36.2	35.8	35.3	34.8	34.3	33.7	33.1
120°	44.5	44.0	43.7	43.0	42.6	41.8	41.5	40.7	40.2	39.3	38.4
122.5°	52.2	51.5	51.1	50.4	49.9	48.9	48.2	47.2	46.8	45.7	44.9
125°	60.2	59.5	59.0	58.2	57.4	56.5	55.7	54.6	53.6	52.7	51.6
127.5°	68.9	68.0	67.5	66.5	65.6	64.4	63.5	62.3	61.4	60.0	59.0
130°	77.6	76.7	76.2	74.8	74.3	72.7	71.8	70.5	69.3	68.2	67.0
132.5°	86.5	85.7	85.0	83.7	82.8	81.4	80.6	79.1	77.9	76.6	75.5
135°	95.3	94.5	93.8	92.6	91.5	90.1	89.1	87.7	86.5	85.4	84.2
137.5°	103.9	102.8	102.1	101.1	100.0	98.6	97.6	96.3	95.3	93.9	92.9
140°	111.7	110.8	110.1	109.1	108.1	107.0	105.9	104.7	103.7	102.5	101.6
142.5°	118.6	117.9	117.2	116.2	115.3	114.1	113.6	112.5	111.5	110.5	109.6
145°	125.1	124.5	124.0	123.0	122.5	121.4	120.7	119.7	119.2	118.3	117.6
147.5°	131.2	130.5	130.3	129.6	129.2	128.4	128.0	127.2	126.8	126.0	125.6
150°	136.8	136.6	136.4	135.9	135.7	135.1	135.0	134.4	134.3	133.6	133.4
152.5°	142.3	142.3	142.3	142.1	142.1	142.0	141.8	141.5	141.3	141.0	140.9
155°	148.4	148.6	148.7	148.7	148.7	148.7	148.7	148.6	148.6	148.4	148.4
157.5°	154.7	155.0	155.3	155.5	155.7	155.7	155.7	155.7	155.7	155.5	155.5
160°	161.1	161.6	161.9	162.1	162.5	162.5	162.8	162.5	162.8	162.5	162.3
162.5°	167.7	168.2	168.5	168.7	169.0	169.0	169.3	169.3	169.3	169.0	169.0
165°	174.1	174.3	174.7	174.9	175.2	175.2	175.4	175.4	175.4	175.2	175.2
167.5°	179.8	180.0	180.4	180.6	180.9	180.9	181.5	181.3	181.3	181.3	181.3
170°	184.0	184.4	184.7	184.9	185.2	185.2	185.4	185.4	185.7	185.4	185.4
172.5°	187.0	187.2	187.5	187.9	188.1	188.1	188.2	188.2	188.4	188.4	188.4
175°	188.6	188.7	189.1	189.3	189.4	189.6	189.6	189.8	189.8	189.8	189.8
177.5°	189.1	189.3	189.3	189.4	189.6	189.6	189.8	189.8	190.1	190.1	190.1
180°	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7



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CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2
2.5°	45913.1	45629.6	45592.2	45612.0	45659.4	45676.9	45728.1	45742.1	45793.5	45806.2	45855.6
5°	46860.5	46485.7	46504.4	46594.5	46730.9	46812.2	46946.3	47016.5	47144.5	47202.7	47318.4
7.5°	47859.5	47565.2	47656.9	47808.9	47995.4	48124.6	48285.7	48390.6	48529.4	48615.6	48726.7
10°	48349.9	48269.3	48370.3	48489.9	48596.4	48679.7	48747.9	48802.6	48838.4	48871.9	48886.6
12.5°	47976.6	48101.5	48118.7	48107.1	48036.6	47982.7	47861.8	47779.7	47633.8	47544.9	47371.4
15°	46593.0	46867.4	46715.4	46485.3	46148.7	45868.1	45471.7	45176.6	44763.8	44483.9	44069.6
17.5°	44164.6	44511.0	44115.0	43582.7	42905.5	42326.2	41604.8	41032.1	40314.9	39793.2	39123.8
20°	40746.0	41069.7	40363.4	39481.0	38433.4	37551.8	36512.2	35682.7	34716.6	33997.9	33130.7
22.5°	36489.4	36720.0	35725.1	34535.4	33200.8	32099.5	30856.4	29862.1	28759.4	27937.9	27013.1
25°	31780.3	31842.6	30649.2	29278.6	27791.2	26553.3	25226.3	24180.7	23056.3	22223.7	21316.0
27.5°	27027.5	26936.2	25646.3	24193.1	22628.5	21341.9	20047.5	19067.8	18083.0	17332.9	16551.0
30°	22541.4	22320.4	20981.1	19487.4	17968.6	16815.4	15740.9	14954.1	14170.6	13575.7	12948.0
32.5°	18427.5	18115.9	16812.1	15412.7	14132.9	13243.1	12446.3	11850.9	11218.2	10715.6	10188.9
35°	14783.8	14451.7	13296.7	12110.3	11141.7	10485.7	9859.5	9371.0	8833.8	8409.9	7952.4
37.5°	11656.6	11384.4	10417.0	9483.4	8750.7	8242.4	7729.3	7330.1	6886.2	6699.6	6210.8
40°	8998.8	8808.6	8052.1	7363.9	6813.8	6575.0	6054.2	5681.2	5349.5	5075.9	4810.9
42.5°	7019.3	6951.9	6215.8	5679.0	5291.6	4990.8	4700.5	4464.8	4235.5	4046.9	3868.8
45°	5151.1	5097.8	4770.9	4461.1	4197.2	3986.9	3790.7	3628.6	3478.6	3354.4	3241.3
47.5°	4011.1	3994.1	3805.8	3613.8	3447.5	3312.3	3185.0	3077.4	2977.9	2894.9	2868.0
50°	3262.4	3260.3	3149.8	3031.2	2912.8	2834.7	2753.4	2689.9	2625.9	2576.1	2523.6
52.5°	2772.0	2760.0	2685.5	2612.3	2541.9	2490.7	2438.7	2398.0	2355.7	2325.1	2292.2
55°	2386.4	2399.0	2355.9	2312.2	2268.2	2236.3	2199.9	2173.1	2144.0	2124.7	2104.9
57.5°	2118.6	2135.3	2112.7	2087.8	2061.0	2040.1	2015.0	1996.5	1977.0	1964.8	1953.3
60°	1923.8	1942.0	1932.8	1920.4	1903.9	1891.4	1875.4	1865.1	1852.6	1845.7	1839.2
62.5°	1758.5	1781.3	1778.0	1772.1	1761.5	1754.5	1745.8	1741.3	1733.0	1730.0	1726.9
65°	1593.6	1619.2	1618.7	1615.7	1609.9	1607.9	1602.5	1601.4	1597.2	1599.0	1598.6
67.5°	1463.8	1486.1	1491.0	1494.5	1494.3	1495.7	1495.2	1497.4	1497.4	1500.6	1502.6
70°	1370.2	1385.7	1389.4	1393.2	1394.1	1397.2	1397.2	1399.1	1398.6	1401.2	1401.6
72.5°	1275.6	1296.0	1299.8	1302.8	1302.8	1305.6	1304.1	1303.6	1299.6	1298.7	1295.8
75°	1157.9	1184.0	1189.7	1193.5	1194.0	1196.5	1193.0	1190.7	1184.0	1181.3	1176.6
77.5°	1034.9	1062.0	1066.1	1067.4	1065.3	1065.8	1058.4	1053.3	1044.7	1041.1	1036.6
80°	874.8	914.8	918.0	915.5	909.3	908.2	900.9	896.2	886.0	882.5	878.5
82.5°	665.7	712.6	719.2	722.1	717.0	718.1	711.3	708.5	699.1	697.4	691.1
85°	420.3	467.2	474.9	473.8	468.7	467.6	463.4	464.8	464.0	466.5	467.9
87.5°	193.1	238.5	249.5	245.9	245.4	242.2	235.0	237.6	242.0	244.9	245.1
90°	13.2	26.6	26.1	27.7	24.8	25.6	23.1	24.8	23.0	24.5	22.8
92.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.3	7.5	7.3	7.5
95°	8.4	8.1	8.1	8.1	8.0	8.0	8.0	8.0	8.0	8.0	8.0
97.5°	9.4	9.1	8.9	8.9	8.9	8.7	8.7	8.7	8.7	8.6	8.6
100°	10.8	10.1	9.9	9.9	9.8	9.8	9.8	9.6	9.6	9.6	9.4
102.5°	12.2	11.6	11.3	11.1	11.0	10.8	10.8	10.6	10.6	10.3	10.3
105°	14.1	13.4	13.0	12.5	12.3	12.2	12.0	11.8	11.6	11.3	11.3
107.5°	16.7	15.3	14.6	14.3	14.0	13.9	13.4	13.2	12.8	12.5	12.3
110°	19.7	17.9	17.2	16.5	16.2	15.5	15.2	14.6	14.3	14.1	13.9



TEST NUMBER: P1444633
 CATALOG NUMBER: EHBR1-54-UNV-TA-L850

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	23.3	20.9	19.9	19.1	18.6	17.9	17.4	16.7	16.4	15.7	15.5
115°	27.3	24.5	23.3	22.3	21.6	20.7	19.9	19.4	18.6	17.9	17.6
117.5°	32.4	28.9	27.3	26.1	25.3	24.2	23.3	22.3	21.6	20.7	20.0
120°	37.6	33.7	32.0	30.7	29.7	28.3	27.3	26.1	25.1	24.2	23.3
122.5°	43.8	39.5	37.4	36.0	34.8	33.2	32.0	30.7	29.5	28.3	27.3
125°	50.6	45.7	43.5	42.0	40.7	39.1	37.6	36.0	34.9	33.6	32.4
127.5°	57.9	52.7	50.4	48.9	47.3	45.7	44.2	42.5	41.2	39.5	38.3
130°	65.8	60.2	57.9	56.2	54.8	52.9	51.6	49.9	48.2	46.8	45.2
132.5°	74.3	68.3	65.9	64.4	63.1	61.2	59.9	58.1	56.5	54.6	53.3
135°	82.8	76.7	74.4	72.7	71.5	69.8	68.3	66.6	65.2	63.5	62.3
137.5°	91.5	85.2	83.0	81.4	80.3	78.8	77.6	75.9	74.6	72.7	71.5
140°	100.4	93.8	91.5	90.4	89.4	87.9	86.7	85.4	84.2	82.8	81.4
142.5°	108.6	101.9	99.7	98.6	97.8	96.7	96.0	94.8	93.8	92.2	91.3
145°	116.9	109.6	107.6	106.6	106.1	105.2	104.4	103.5	102.7	101.7	100.9
147.5°	124.8	117.2	115.0	114.5	114.0	113.2	112.9	112.0	111.7	110.8	110.3
150°	132.7	124.2	121.6	121.3	120.7	120.4	120.1	119.5	119.4	119.0	118.6
152.5°	140.4	130.1	127.2	126.8	126.8	126.3	126.1	126.0	126.0	125.8	125.6
155°	147.9	136.6	133.4	132.9	132.7	132.6	132.4	132.4	132.4	132.4	132.6
157.5°	155.2	143.0	139.8	139.2	139.0	138.8	138.6	138.6	138.6	138.6	139.0
160°	162.1	149.8	146.4	145.8	145.6	145.2	144.9	144.7	144.7	144.7	144.9
162.5°	168.7	156.7	153.5	152.8	152.3	152.0	151.8	151.3	151.3	151.1	151.3
165°	174.9	164.1	160.9	160.2	159.9	159.4	159.0	158.7	158.5	158.3	158.3
167.5°	180.9	171.2	168.7	168.2	167.7	167.2	167.2	166.5	166.5	166.1	166.1
170°	185.2	177.6	175.4	175.0	175.0	174.7	174.4	174.3	174.1	173.8	173.8
172.5°	188.2	182.7	180.9	180.8	180.8	180.6	180.6	180.4	180.4	180.4	180.4
175°	189.8	186.3	185.7	185.4	185.4	185.4	185.4	185.4	185.4	185.4	185.7
177.5°	190.3	189.4	189.1	189.1	189.1	189.1	189.1	189.1	189.1	189.3	189.3
180°	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7



TEST NUMBER: P1444633
 CATALOG NUMBER: EHBR1-54-UNV-TA-L850

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2
2.5°	45864.8	45918.3	45914.3	45964.2	45961.7	46008.7	45999.3	46039.9	46030.7	46065.4	46045.0
5°	47369.3	47471.1	47504.6	47596.3	47615.4	47697.6	47699.2	47764.5	47756.6	47807.7	47780.5
7.5°	48792.5	48887.4	48932.5	49003.8	49039.5	49098.4	49121.6	49170.1	49181.8	49210.5	49209.6
10°	48912.6	48912.3	48934.6	48924.5	48944.5	48933.0	48957.3	48948.5	48984.5	48975.1	49002.3
12.5°	47296.5	47136.1	47077.6	46933.5	46901.9	46778.4	46787.1	46707.8	46746.1	46697.4	46780.3
15°	43823.2	43451.1	43267.3	42943.8	42842.3	42586.6	42565.9	42396.0	42441.9	42353.0	42482.9
17.5°	38690.7	38104.8	37783.4	37311.0	37123.4	36761.8	36689.3	36470.7	36504.6	36394.5	36551.4
20°	32571.3	31863.3	31457.9	30911.6	30667.9	30236.8	30122.5	29877.9	29908.5	29798.9	29976.4
22.5°	26382.0	25641.1	25183.4	24610.7	24299.5	23894.0	23772.4	23526.7	23540.7	23437.9	23608.5
25°	20694.3	19984.0	19539.7	19019.6	18749.5	18377.7	18249.9	18029.3	18041.8	17956.9	18110.1
27.5°	16008.6	15425.7	15053.9	14618.0	14375.9	14070.4	13945.7	13760.1	13759.7	13697.4	13825.4
30°	12509.8	12023.5	11689.6	11310.0	11082.7	10806.8	10686.4	10520.5	10513.2	10469.0	10570.8
32.5°	9794.9	9362.3	9057.9	8723.7	8519.6	8283.0	8169.0	8035.6	8023.4	7983.5	8067.0
35°	7614.2	7249.9	6988.2	6706.9	6727.6	6378.4	6436.5	6165.3	6091.7	6075.7	6137.8
37.5°	5884.9	5602.8	5390.2	5179.5	5036.7	4889.2	4809.7	4738.4	4730.3	4723.4	4766.9
40°	4606.3	4408.9	4254.1	4109.7	4011.4	3921.4	3871.7	3832.6	3823.2	3818.0	3844.3
42.5°	3728.1	3594.8	3495.1	3406.9	3347.3	3298.4	3271.1	3249.3	3242.0	3242.2	3257.7
45°	3149.8	3068.9	3004.7	2949.9	2911.8	2928.5	2879.3	2905.1	2871.0	2906.3	2883.0
47.5°	2773.9	2705.0	2665.2	2626.4	2603.3	2584.8	2585.5	2585.7	2593.0	2594.2	2601.8
50°	2483.7	2443.9	2416.2	2391.5	2379.5	2369.7	2373.1	2375.6	2382.7	2383.2	2388.8
52.5°	2269.1	2242.8	2226.1	2210.8	2205.4	2199.9	2202.3	2201.2	2204.4	2202.8	2207.3
55°	2094.3	2081.9	2076.7	2071.0	2071.8	2070.3	2071.3	2065.7	2062.4	2058.2	2062.1
57.5°	1950.9	1949.2	1952.8	1955.1	1961.7	1964.1	1965.6	1959.2	1953.1	1947.6	1950.7
60°	1840.4	1843.1	1851.9	1859.0	1868.5	1872.8	1875.6	1871.8	1867.4	1862.9	1865.5
62.5°	1731.5	1735.7	1746.2	1754.1	1765.5	1771.4	1778.0	1778.4	1780.1	1778.4	1780.2
65°	1604.9	1610.2	1619.7	1626.3	1636.9	1642.1	1648.9	1650.0	1653.8	1652.9	1656.1
67.5°	1508.9	1513.6	1521.5	1527.7	1537.2	1542.6	1548.5	1548.9	1550.1	1549.8	1552.9
70°	1406.3	1408.7	1415.8	1421.0	1430.4	1436.0	1442.8	1444.7	1449.0	1449.6	1453.0
72.5°	1297.0	1296.0	1300.2	1302.6	1309.7	1314.1	1322.6	1327.4	1334.4	1336.3	1338.8
75°	1177.9	1177.0	1182.0	1184.0	1190.1	1194.5	1204.1	1210.4	1221.3	1225.9	1224.7
77.5°	1040.1	1042.5	1051.9	1057.1	1065.3	1070.9	1083.4	1093.3	1113.3	1122.2	1113.2
80°	886.0	888.5	898.3	903.2	913.8	920.6	934.5	946.2	964.2	968.1	963.0
82.5°	696.5	697.2	706.1	709.7	723.5	733.5	751.2	760.5	771.7	769.9	768.6
85°	474.9	481.3	492.3	503.3	520.1	536.3	553.0	566.9	557.1	572.5	555.3
87.5°	253.8	253.1	268.0	265.6	289.3	302.9	317.4	324.3	332.1	330.5	330.7
90°	24.9	23.3	25.3	23.3	26.5	24.2	28.5	26.5	31.7	28.7	34.3
92.5°	7.3	7.5	7.3	7.5	7.3	7.5	7.3	7.3	7.3	7.3	7.3
95°	8.0	8.0	8.0	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
97.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.4	8.4	8.4
100°	9.4	9.4	9.4	9.4	9.1	9.1	9.1	9.1	9.1	9.1	9.1
102.5°	10.1	10.1	10.1	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
105°	11.1	11.1	11.0	11.0	10.8	10.8	10.8	10.8	10.8	10.8	10.8
107.5°	12.3	12.2	12.0	12.0	11.8	11.8	11.8	11.8	11.8	11.8	11.8
110°	13.5	13.4	13.2	13.2	13.0	12.8	12.8	12.8	12.8	12.8	12.8



TEST NUMBER: P1444633
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	15.2	14.6	14.5	14.3	14.1	14.1	14.0	14.0	14.0	14.0	14.0
115°	16.9	16.7	16.4	16.2	16.0	15.7	15.5	15.5	15.5	15.5	15.5
117.5°	19.4	18.9	18.6	18.2	17.9	17.7	17.6	17.6	17.4	17.6	17.6
120°	22.6	21.9	21.2	20.9	20.5	20.4	19.9	19.9	19.9	19.9	19.9
122.5°	26.3	25.4	24.8	24.3	23.8	23.5	23.1	23.1	23.1	23.1	23.1
125°	31.0	30.2	29.4	28.7	27.8	27.7	27.3	27.3	27.1	27.3	27.3
127.5°	36.9	36.0	34.8	34.1	33.2	32.9	32.5	32.4	32.4	32.5	32.5
130°	43.7	42.6	41.5	40.7	39.7	39.3	39.0	38.6	38.4	38.6	39.0
132.5°	51.6	50.4	49.2	48.2	47.3	46.9	46.2	46.2	46.1	46.2	46.4
135°	60.4	59.2	58.1	57.0	56.0	55.7	55.0	55.0	54.8	55.0	55.5
137.5°	70.0	69.0	67.7	66.8	65.8	65.4	64.7	64.6	64.6	64.7	65.2
140°	80.2	79.0	77.8	76.9	76.2	75.7	75.2	75.2	74.8	75.4	75.5
142.5°	90.1	89.4	88.2	87.5	86.7	86.3	86.0	86.0	85.7	86.1	86.5
145°	99.8	99.2	98.3	97.6	97.1	97.0	96.3	96.5	96.5	97.0	97.1
147.5°	109.4	109.1	108.2	108.0	107.3	107.3	107.0	107.1	107.1	107.5	107.6
150°	118.1	117.9	117.4	117.2	116.9	116.9	116.7	116.9	116.9	117.2	117.4
152.5°	125.4	125.4	125.1	125.1	124.9	125.1	125.1	125.4	125.6	126.0	126.1
155°	132.6	132.6	132.6	132.7	132.7	133.2	133.2	133.8	133.9	134.4	134.6
157.5°	139.0	139.3	139.3	139.8	140.0	140.4	140.5	141.2	141.3	142.0	142.3
160°	145.2	145.6	145.8	146.3	146.6	146.9	147.4	147.9	148.4	148.9	149.3
162.5°	151.3	151.8	152.0	152.3	152.8	153.1	153.6	154.3	154.7	155.3	155.9
165°	158.3	158.5	158.7	158.8	159.4	159.7	160.0	160.7	161.1	161.8	162.3
167.5°	166.0	166.1	166.0	166.1	166.3	166.6	166.8	167.3	167.7	168.4	168.7
170°	173.4	173.4	173.4	173.4	173.4	173.8	173.9	174.1	174.3	174.7	174.9
172.5°	180.3	180.3	180.0	180.3	180.0	180.3	180.3	180.4	180.4	180.6	180.6
175°	185.4	185.7	185.7	185.8	185.7	185.7	185.7	185.7	185.7	185.8	185.8
177.5°	189.3	189.4	189.4	189.4	189.4	189.6	189.6	189.6	189.6	189.4	189.4
180°	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7



TEST NUMBER: P1444633
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CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2
2.5°	46078.9	46055.8	46079.4	46055.4	46079.4	46050.7	46070.1	46039.1	46047.1	46014.8	46023.1
5°	47821.1	47784.4	47804.0	47756.2	47761.3	47697.6	47696.4	47622.1	47602.6	47518.1	47481.0
7.5°	49230.0	49218.0	49224.8	49194.1	49190.5	49147.0	49126.3	49064.9	49026.3	48948.5	48895.4
10°	49007.1	49043.0	49052.2	49088.9	49096.4	49132.7	49140.2	49176.5	49184.2	49211.0	49211.3
12.5°	46776.5	46898.4	46927.6	47078.3	47141.6	47314.0	47406.4	47596.3	47709.2	47898.6	48015.0
15°	42479.3	42690.3	42774.5	43068.6	43231.4	43574.8	43790.5	44184.9	44463.1	44881.9	45180.6
17.5°	36565.1	36860.0	36993.1	37391.9	37652.2	38159.0	38524.4	39125.6	39585.9	40254.2	40783.7
20°	30006.7	30334.4	30515.1	30970.2	31277.2	31869.4	32325.5	33064.4	33680.6	34527.2	35251.3
22.5°	23662.0	23973.9	24174.4	24637.3	24983.1	25600.7	26110.4	26890.4	27580.7	28534.8	29402.9
25°	18167.9	18453.7	18635.0	19053.7	19378.5	19946.0	20432.8	21182.8	21858.3	22815.3	23705.5
27.5°	13889.2	14128.5	14303.3	14660.3	14946.6	15428.1	15846.1	16466.0	17048.0	17876.0	18668.7
30°	10633.4	10845.5	11015.5	11326.6	11592.0	12009.2	12376.9	12897.6	13379.3	14038.1	14668.8
32.5°	8125.6	8308.3	8459.8	8732.0	8972.8	9348.6	9679.9	10136.2	10549.7	11108.4	11627.2
35°	6195.4	6554.9	6529.4	6904.8	6965.2	7235.0	7530.4	7929.4	8295.6	8770.8	9212.3
37.5°	4808.7	4909.7	5018.1	5184.0	5358.4	5603.8	5853.4	6341.0	6519.8	6878.9	7244.4
40°	3877.7	3946.0	4017.5	4129.7	4251.8	4424.7	4606.5	4839.1	5077.4	5368.5	5665.9
42.5°	3278.3	3317.0	3362.4	3428.4	3503.6	3613.2	3734.8	3892.6	4058.4	4263.3	4472.4
45°	2929.0	2910.6	2924.1	2959.5	3004.9	3071.5	3148.2	3245.9	3353.9	3486.6	3627.9
47.5°	2603.3	2610.7	2614.7	2634.0	2658.2	2702.9	2749.5	2815.8	2943.8	2982.8	3059.9
50°	2388.2	2391.8	2390.6	2400.4	2412.7	2441.7	2471.9	2516.8	2561.7	2621.0	2677.7
52.5°	2208.0	2213.0	2212.4	2218.8	2225.4	2243.7	2262.8	2294.5	2323.9	2361.6	2394.2
55°	2065.6	2072.5	2075.3	2080.7	2083.8	2093.4	2101.0	2116.2	2128.7	2150.1	2169.9
57.5°	1956.1	1965.6	1970.0	1971.8	1968.0	1967.4	1964.9	1968.1	1970.6	1982.1	1993.2
60°	1870.0	1877.5	1878.7	1877.5	1870.5	1865.4	1857.3	1854.7	1853.5	1859.0	1865.1
62.5°	1779.7	1782.4	1780.6	1778.4	1770.3	1765.4	1757.0	1754.0	1751.0	1754.9	1758.2
65°	1654.9	1657.3	1654.9	1653.6	1646.3	1642.5	1635.4	1632.9	1628.9	1630.0	1629.3
67.5°	1553.6	1555.9	1554.1	1552.2	1547.2	1544.7	1539.5	1536.2	1531.3	1529.4	1526.1
70°	1452.5	1454.4	1451.5	1449.6	1443.9	1441.7	1436.9	1435.8	1432.0	1431.1	1427.3
72.5°	1336.3	1336.5	1332.5	1331.3	1327.1	1326.9	1324.8	1326.7	1326.6	1328.5	1327.7
75°	1217.4	1215.8	1210.7	1209.8	1206.6	1208.1	1205.9	1208.8	1209.2	1213.5	1214.0
77.5°	1098.3	1092.1	1082.5	1078.0	1071.5	1070.7	1067.0	1069.5	1068.6	1073.7	1075.7
80°	947.9	940.3	928.0	922.1	914.5	913.3	909.9	913.3	911.7	917.5	921.8
82.5°	756.7	750.2	737.4	732.7	723.9	724.7	721.0	724.7	724.2	733.0	738.1
85°	559.8	555.4	542.2	530.6	517.7	510.0	502.6	501.3	499.1	502.6	505.7
87.5°	323.4	319.2	309.0	302.2	279.5	280.4	271.5	271.0	268.8	266.8	271.5
90°	31.0	35.5	32.5	36.4	34.3	39.0	37.2	41.6	38.6	42.3	40.3
92.5°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	6.9	7.3
95°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
97.5°	8.6	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.6	8.6	8.6
100°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.4	9.4	9.4
102.5°	9.9	9.9	9.9	9.9	10.1	10.1	10.1	10.1	10.3	10.3	10.3
105°	10.8	10.8	11.0	11.0	11.0	11.0	11.1	11.1	11.3	11.3	11.6
107.5°	11.8	11.8	11.8	12.0	12.0	12.2	12.2	12.3	12.5	12.8	13.0
110°	12.8	13.0	13.0	13.2	13.2	13.4	13.5	13.9	14.1	14.3	14.6



TEST NUMBER: P1444633
 CATALOG NUMBER: EHBR1-54-UNV-TA-L850

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	14.1	14.1	14.3	14.5	14.6	15.0	15.2	15.5	16.0	16.4	16.9
115°	15.7	15.7	16.0	16.2	16.5	16.7	17.4	17.7	18.4	18.9	19.5
117.5°	17.7	17.9	18.2	18.4	18.8	19.4	19.9	20.5	21.2	21.9	23.0
120°	20.4	20.5	20.9	21.1	21.7	22.3	23.1	24.0	24.9	25.9	27.1
122.5°	23.5	23.8	24.3	24.8	25.4	26.3	27.3	28.3	29.5	30.7	32.0
125°	27.7	28.2	28.7	29.4	30.4	31.3	32.5	33.7	35.1	36.2	37.9
127.5°	33.1	33.6	34.3	35.1	36.2	37.2	38.6	39.8	41.5	43.0	44.7
130°	39.5	40.2	41.2	41.8	43.3	44.5	45.9	47.2	49.1	50.4	52.3
132.5°	47.2	47.9	48.9	49.9	51.3	52.7	54.3	55.7	57.4	58.8	60.5
135°	56.0	56.7	57.9	58.8	60.4	61.6	63.3	64.6	66.5	67.8	69.6
137.5°	65.9	66.6	67.7	68.7	70.1	71.3	73.0	74.4	75.9	77.4	79.0
140°	76.4	76.9	78.1	79.1	80.3	81.4	83.2	84.4	86.0	87.2	88.5
142.5°	87.3	87.7	88.7	89.7	90.9	91.9	93.3	94.3	95.7	96.7	98.3
145°	97.8	98.3	99.3	100.0	101.1	102.1	103.2	104.2	105.4	106.3	107.5
147.5°	108.2	108.7	109.6	110.5	111.5	112.4	113.2	114.0	115.2	116.0	117.1
150°	118.1	118.6	119.2	119.7	120.7	121.6	122.6	123.3	124.2	124.8	125.8
152.5°	127.0	127.3	128.0	128.5	129.4	130.1	130.7	131.5	132.4	132.9	133.8
155°	135.1	135.8	136.4	136.9	137.8	138.1	139.0	139.5	140.4	141.0	141.8
157.5°	143.0	143.3	144.2	144.6	145.4	145.9	146.6	147.0	147.9	148.4	149.1
160°	149.9	150.6	151.1	151.8	152.4	152.9	153.6	154.3	155.0	155.5	156.2
162.5°	156.5	157.2	157.9	158.3	159.0	159.7	160.2	160.9	161.8	162.1	163.0
165°	163.0	163.5	164.2	164.6	165.4	166.1	166.6	167.3	167.8	168.5	169.0
167.5°	169.3	169.6	170.5	171.0	171.7	172.2	172.9	173.4	174.1	174.4	175.0
170°	175.4	175.9	176.4	176.9	177.4	177.8	178.5	178.8	179.5	179.8	180.4
172.5°	180.9	181.3	181.6	181.8	182.1	182.7	183.0	183.2	183.7	184.0	184.4
175°	185.8	185.8	186.0	186.2	186.3	186.3	186.5	186.8	187.0	187.2	187.4
177.5°	189.4	189.4	189.4	189.4	189.4	189.4	189.4	189.4	189.4	189.4	189.4
180°	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7



TEST NUMBER: P1444633
 CATALOG NUMBER: EHBR1-54-UNV-TA-L850

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2
2.5°	45990.9	45992.8	45955.8	45953.7	45919.0	45914.6	45880.8	45870.4	45842.9	45833.0	45805.0
5°	47386.2	47341.0	47236.6	47175.2	47072.0	47003.7	46892.0	46819.1	46711.4	46630.0	46521.6
7.5°	48797.4	48727.2	48610.0	48515.0	48371.8	48257.5	48090.0	47952.8	47771.2	47614.2	47423.6
10°	49211.3	49200.5	49170.6	49127.1	49060.5	48985.6	48871.6	48752.7	48593.6	48420.9	48209.0
12.5°	48192.9	48302.9	48452.9	48541.7	48649.8	48697.2	48741.5	48730.4	48701.3	48613.8	48491.5
15°	45613.2	45922.2	46331.4	46648.5	47013.3	47278.4	47571.3	47753.7	47935.7	48019.7	48071.1
17.5°	41509.5	42094.6	42828.2	43436.3	44137.8	44701.2	45318.9	45783.9	46262.1	46604.6	46914.4
20°	36238.3	37086.0	38123.6	39040.3	40106.2	41032.5	42047.5	42880.9	43740.2	44412.1	45048.2
22.5°	30520.8	31527.5	32782.1	33944.1	35318.2	36553.1	37946.5	39159.2	40425.4	41483.2	42505.9
25°	24898.6	26002.7	27374.4	28670.9	30227.2	31663.6	33316.0	34827.5	36463.9	37884.8	39288.4
27.5°	19764.7	20848.7	22249.1	23629.3	25274.9	26805.5	28576.0	30241.1	32104.5	33822.9	35580.7
30°	15545.1	16464.5	17720.2	19057.0	20680.0	22237.6	24027.3	25739.9	27678.3	29554.5	31534.5
32.5°	12315.9	13016.4	14003.6	15133.9	16631.4	18114.2	19818.4	21471.5	23380.5	25275.7	27334.9
35°	9781.0	10327.4	11080.1	11962.2	13230.4	14508.5	16015.9	17519.3	19300.2	21098.7	23100.1
37.5°	7712.9	8156.2	8745.6	9408.4	10425.5	11474.4	12710.4	13956.8	15504.3	17098.5	18912.5
40°	6022.9	6381.9	6840.8	7335.0	8103.0	8911.2	9867.1	10833.6	12076.9	13379.8	14881.1
42.5°	4731.4	4996.3	5320.4	5681.6	6398.2	6827.3	7475.4	8174.5	9088.5	10034.4	11163.1
45°	3799.7	3980.4	4205.2	4447.5	4780.1	5144.0	5588.0	6053.5	6921.7	7347.6	8034.1
47.5°	3173.3	3294.5	3437.5	3590.1	3786.3	3998.0	4261.2	4530.5	4878.6	5239.4	5662.3
50°	2751.3	2874.5	2923.6	3002.7	3116.2	3237.1	3385.5	3533.9	3720.7	3910.0	4127.6
52.5°	2438.0	2478.2	2531.6	2581.9	2652.3	2789.9	2834.4	2912.0	3016.7	3119.0	3233.5
55°	2198.8	2225.0	2259.7	2290.1	2332.6	2373.3	2431.9	2483.6	2553.3	2615.1	2691.1
57.5°	2012.7	2029.4	2053.5	2073.4	2100.9	2123.8	2158.2	2186.2	2226.3	2261.3	2307.3
60°	1877.4	1888.5	1904.7	1917.7	1935.2	1947.2	1964.3	1977.4	1998.6	2016.3	2042.0
62.5°	1766.9	1772.6	1783.2	1790.9	1802.0	1808.1	1817.2	1822.9	1834.5	1843.4	1857.8
65°	1634.3	1635.7	1642.8	1646.0	1654.7	1658.0	1665.4	1668.1	1677.7	1684.2	1696.9
67.5°	1525.7	1522.7	1522.8	1520.4	1521.5	1519.0	1519.7	1516.9	1520.9	1522.8	1532.5
70°	1426.6	1422.3	1421.0	1416.4	1415.1	1410.4	1409.0	1404.8	1404.3	1402.9	1406.3
72.5°	1329.9	1328.7	1329.0	1325.9	1325.5	1322.3	1322.4	1320.5	1322.6	1323.6	1328.0
75°	1218.7	1219.1	1221.3	1218.4	1219.3	1216.6	1217.5	1215.1	1216.4	1215.9	1220.3
77.5°	1083.5	1086.7	1092.6	1091.4	1093.3	1090.2	1091.6	1088.1	1089.1	1086.7	1088.4
80°	931.4	938.1	946.0	945.7	949.1	946.9	949.9	946.5	947.9	943.9	942.8
82.5°	750.8	756.5	764.9	765.2	772.7	774.0	782.3	781.9	787.1	783.8	781.4
85°	513.2	517.1	524.5	528.6	536.2	540.9	548.8	552.0	546.3	556.8	548.5
87.5°	268.0	278.0	272.4	285.4	282.3	295.5	292.6	304.8	302.4	312.9	311.5
90°	45.9	44.5	50.4	49.6	57.2	57.4	65.2	64.7	72.4	72.2	79.8
92.5°	6.9	7.3	7.3	7.3	7.3	7.5	7.3	7.3	7.3	7.5	7.3
95°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	8.0	8.0	8.0	8.0
97.5°	8.6	8.6	8.6	8.6	8.7	8.7	8.7	8.7	8.7	8.9	8.9
100°	9.4	9.6	9.6	9.6	9.8	9.8	9.9	9.9	10.1	10.1	10.1
102.5°	10.6	10.6	10.8	11.0	11.0	11.1	11.3	11.6	11.6	11.8	11.8
105°	11.8	12.0	12.2	12.3	12.5	13.0	13.2	13.4	13.5	13.9	13.9
107.5°	13.4	13.5	14.0	14.1	14.5	15.0	15.3	15.5	16.0	16.2	16.4
110°	15.2	15.5	16.0	16.5	16.9	17.6	17.9	18.4	18.8	19.1	19.4



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CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	17.4	18.2	18.6	19.4	19.9	20.5	21.1	21.7	22.1	22.8	23.1
115°	20.4	21.1	21.9	22.8	23.5	24.3	24.9	25.6	26.3	27.0	27.3
117.5°	23.8	24.9	25.6	27.0	27.7	28.7	29.5	30.4	31.0	31.7	32.4
120°	28.2	29.4	30.5	31.7	32.7	33.7	34.8	35.8	36.4	37.2	37.9
122.5°	33.2	34.8	36.0	37.2	38.3	39.5	40.5	41.6	42.5	43.5	44.2
125°	39.3	40.7	42.0	43.5	44.7	46.1	47.1	48.2	49.2	50.4	51.3
127.5°	46.1	47.7	49.1	50.6	51.8	53.3	54.3	55.7	56.7	57.9	58.8
130°	53.6	55.5	56.9	58.2	59.3	61.1	62.1	63.5	64.6	65.8	67.0
132.5°	62.1	63.6	64.9	66.6	67.8	69.2	70.3	71.8	72.7	74.3	75.4
135°	71.0	72.5	73.7	75.4	76.4	77.8	79.0	80.3	81.3	82.8	84.0
137.5°	80.2	81.8	83.0	84.4	85.4	86.7	87.7	89.1	90.1	91.5	92.6
140°	89.7	91.1	92.1	93.4	94.5	95.7	96.7	97.8	98.8	100.0	100.9
142.5°	99.3	100.5	101.4	102.7	103.5	104.7	105.4	106.4	107.5	108.4	109.3
145°	108.4	109.6	110.5	111.5	112.0	113.2	113.8	114.8	115.3	116.4	117.1
147.5°	117.9	119.0	119.4	120.4	120.7	121.8	122.3	123.0	123.7	124.2	124.7
150°	126.3	127.3	127.9	128.5	129.1	129.9	130.3	130.7	131.0	131.5	132.0
152.5°	134.4	135.1	135.7	136.1	136.6	137.1	137.3	138.0	138.1	138.3	138.6
155°	142.1	143.0	143.3	144.0	144.2	144.7	144.7	145.2	145.4	145.6	145.6
157.5°	149.6	150.3	150.8	151.1	151.5	152.0	152.2	152.4	152.4	152.8	152.8
160°	156.7	157.2	157.7	158.0	158.5	158.7	158.8	159.4	159.5	159.5	159.5
162.5°	163.3	163.9	164.2	164.6	165.1	165.4	165.6	166.0	166.1	166.3	166.3
165°	169.5	170.0	170.5	171.0	171.2	171.7	171.9	172.2	172.2	172.6	172.6
167.5°	175.4	176.1	176.4	176.9	177.1	177.4	177.6	178.1	178.1	178.3	178.3
170°	180.6	180.9	181.5	181.8	182.0	182.1	182.5	182.7	182.7	182.8	182.8
172.5°	184.7	185.1	185.1	185.4	185.4	185.7	185.8	185.8	186.0	186.0	186.0
175°	187.4	187.5	187.9	187.9	187.9	188.1	188.1	188.1	188.1	188.1	188.1
177.5°	189.4	189.4	189.4	189.3	189.3	189.3	189.3	189.3	189.3	189.3	189.1
180°	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7



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CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2	45509.2
2.5°	45795.0	45775.2	45762.3	45746.0	45736.0	45723.4	45714.1	45706.1	45699.7	45693.8	45689.4
5°	46439.0	46336.6	46257.2	46171.1	46100.5	46030.0	45975.6	45930.7	45899.6	45876.3	45862.5
7.5°	47258.9	47071.5	46904.9	46729.4	46572.2	46417.6	46284.3	46169.4	46083.3	46027.4	45993.5
10°	47991.0	47740.2	47492.1	47231.0	46983.5	46743.3	46521.6	46326.6	46172.3	46069.7	46009.9
12.5°	48319.3	48105.5	47852.2	47568.7	47265.3	46958.3	46659.1	46389.2	46162.7	46010.7	45923.1
15°	48030.2	47942.5	47770.6	47550.4	47262.5	46945.2	46593.8	46263.5	45959.8	45762.8	45648.6
17.5°	47089.8	47212.3	47199.2	47115.0	46908.0	46640.8	46282.8	45911.9	45531.9	45268.6	45124.8
20°	45503.1	45887.9	46083.3	46183.5	46102.2	45929.0	45604.7	45228.3	44785.4	44441.7	44231.9
22.5°	43273.2	43952.7	44376.2	44686.1	44751.8	44692.8	44406.6	44048.5	43554.8	43141.7	42831.8
25°	40402.6	41398.1	42067.5	42592.1	42795.9	42848.5	42605.0	42248.9	41698.6	41217.2	40791.7
27.5°	37021.4	38315.0	39208.6	39913.6	40231.9	40369.9	40145.7	39782.4	39131.3	38556.7	38000.8
30°	33214.9	34749.7	35825.6	36670.9	37058.8	37241.1	37003.0	36597.5	35839.9	35148.4	34448.1
32.5°	29140.7	30820.2	31992.5	32910.6	33294.9	33466.5	33154.9	32699.6	31823.9	31009.3	30192.6
35°	24875.0	26570.2	27752.5	28646.1	28968.3	29071.6	28673.3	28146.9	27176.7	26282.6	25392.1
37.5°	20522.4	22099.7	23174.2	23976.2	24175.5	24193.4	23713.4	23132.1	22112.3	21230.7	20344.3
40°	16207.6	17537.7	18405.2	19047.2	19116.3	19054.6	18532.7	17947.7	16993.7	16203.9	15425.7
42.5°	12143.2	13147.2	13766.2	14206.1	14180.0	14058.0	13579.5	13076.6	12289.6	11687.9	11075.6
45°	8661.1	9323.1	9685.1	9942.5	9859.8	9743.6	9371.2	9018.7	8483.8	8095.3	7683.8
47.5°	6017.0	6807.6	6670.0	7173.2	6739.6	7025.9	6429.6	6100.8	5817.0	5610.6	5378.0
50°	4307.7	4488.8	4576.3	4636.1	4604.3	4560.3	4453.2	4357.4	4227.7	4133.2	4023.1
52.5°	3326.7	3417.2	3466.9	3502.8	3495.7	3479.7	3433.0	3390.2	3329.5	3289.6	3241.3
55°	2817.9	2819.2	2910.4	2871.3	2929.2	2861.4	2888.0	2813.0	2825.1	2760.7	2717.3
57.5°	2341.6	2378.7	2395.4	2411.5	2407.0	2404.1	2386.1	2376.9	2356.6	2350.3	2335.8
60°	2059.7	2079.1	2083.1	2090.6	2084.3	2081.9	2067.8	2062.8	2049.0	2046.6	2037.0
62.5°	1866.4	1876.3	1876.3	1876.3	1868.3	1860.5	1844.8	1836.6	1825.0	1822.4	1816.8
65°	1705.1	1715.5	1717.1	1719.4	1713.5	1707.4	1693.5	1684.6	1672.6	1668.1	1661.6
67.5°	1538.7	1549.6	1553.4	1559.0	1555.5	1554.4	1544.9	1541.4	1533.4	1531.7	1525.7
70°	1408.0	1412.5	1412.2	1412.0	1404.7	1398.1	1387.1	1381.9	1373.6	1371.9	1366.5
72.5°	1330.2	1333.4	1331.4	1328.5	1318.9	1309.2	1296.3	1286.9	1276.1	1269.4	1261.7
75°	1220.8	1225.0	1222.2	1220.5	1211.8	1205.5	1195.1	1189.9	1182.4	1180.1	1174.9
77.5°	1086.4	1088.4	1083.9	1083.5	1076.9	1072.8	1065.1	1063.7	1058.2	1058.4	1053.3
80°	936.8	935.5	928.4	927.2	920.6	918.9	912.8	913.1	908.7	910.6	907.0
82.5°	770.8	766.6	757.3	754.6	747.0	746.3	742.3	745.6	743.0	747.0	744.7
85°	552.3	553.5	549.5	549.5	547.3	548.0	547.6	550.2	550.5	554.2	554.1
87.5°	307.9	312.4	311.5	315.6	315.4	319.9	321.5	328.2	329.1	335.3	335.3
90°	79.6	87.9	87.5	96.0	96.3	104.4	105.9	114.0	114.7	121.8	121.1
92.5°	7.3	7.3	7.5	7.3	7.3	6.9	7.6	6.9	7.3	6.9	6.9
95°	8.0	8.0	8.0	8.0	8.0	7.8	7.8	7.8	7.8	7.8	7.8
97.5°	8.9	8.9	8.9	8.9	8.9	8.9	8.7	8.7	8.7	8.7	8.7
100°	10.1	10.1	10.3	10.1	10.1	10.1	10.1	10.1	10.1	9.9	9.9
102.5°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.8	11.8	11.8	11.8
105°	14.0	14.0	14.1	14.1	14.1	14.1	14.1	14.0	14.0	14.0	14.0
107.5°	16.5	16.5	16.7	16.7	16.9	16.9	16.9	16.7	16.9	16.7	16.7
110°	19.7	19.9	20.0	20.0	20.4	20.4	20.4	20.4	20.5	20.4	20.4



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 CATALOG NUMBER: EHBR1-54-UNV-TA-L850

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	23.5	23.8	24.2	24.2	24.5	24.5	24.8	24.8	24.9	24.8	24.9
115°	27.8	28.3	28.7	28.9	29.4	29.5	29.9	29.9	30.2	30.2	30.2
117.5°	33.1	33.6	34.1	34.6	34.9	35.3	35.8	36.0	36.0	36.0	36.2
120°	38.6	39.3	40.2	40.7	41.4	41.6	42.3	42.5	42.8	42.8	43.0
122.5°	45.2	45.9	46.9	47.3	48.2	48.9	49.4	49.9	50.3	50.3	50.4
125°	52.5	53.3	54.3	55.0	56.0	56.7	57.4	57.7	58.2	58.2	58.3
127.5°	60.0	61.1	62.3	63.1	64.2	64.7	65.6	65.9	66.6	66.6	66.8
130°	68.2	69.2	70.5	71.5	72.5	73.4	74.4	74.8	75.4	75.4	75.5
132.5°	76.7	77.8	79.1	80.2	81.3	82.1	83.2	83.5	84.2	84.2	84.4
135°	85.4	86.3	87.7	88.7	89.9	90.9	91.7	92.2	92.9	92.9	93.1
137.5°	93.9	95.0	96.2	97.1	98.3	99.2	100.0	100.5	101.1	101.4	101.4
140°	102.3	103.0	104.4	105.2	106.3	107.1	108.0	108.4	109.1	109.1	109.3
142.5°	110.3	111.0	112.4	113.0	113.8	114.5	115.2	115.7	116.2	116.4	116.4
145°	117.9	118.4	119.4	120.1	120.7	121.3	121.9	122.5	122.6	122.6	122.8
147.5°	125.4	125.8	126.3	126.8	127.7	128.0	128.4	128.5	129.1	129.1	129.1
150°	132.4	132.6	132.9	133.2	133.6	133.8	133.9	134.3	134.4	134.3	134.3
152.5°	138.8	139.0	139.2	139.2	139.3	139.3	139.3	139.2	139.2	139.0	138.8
155°	145.8	145.8	145.8	145.6	145.8	145.6	145.4	145.2	144.9	144.6	144.2
157.5°	152.8	152.4	152.8	152.4	152.3	152.2	152.0	151.3	151.1	150.6	150.1
160°	159.7	159.5	159.5	159.4	159.0	158.7	158.5	157.9	157.6	156.9	156.4
162.5°	166.3	166.3	166.1	166.0	165.6	165.4	165.1	164.4	164.1	163.5	163.0
165°	172.7	172.6	172.6	172.2	172.0	171.7	171.5	170.8	170.5	169.8	169.3
167.5°	178.3	178.3	178.1	177.8	177.6	177.4	177.1	176.6	176.2	175.5	175.2
170°	182.8	182.7	182.7	182.5	182.1	182.0	181.6	181.3	180.8	180.4	180.0
172.5°	185.8	185.8	185.7	185.4	185.4	185.2	184.9	184.7	184.2	183.9	183.7
175°	187.9	187.9	187.5	187.5	187.4	187.2	187.0	186.8	186.5	186.3	186.0
177.5°	189.1	189.1	188.7	188.7	188.6	188.6	188.4	188.2	188.2	188.1	187.9
180°	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7



TEST NUMBER: P1444633
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CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	45509.2	45509.2
2.5°	45685.4	45683.0
5°	45855.2	45852.6
7.5°	45984.5	45983.6
10°	45999.6	46007.6
12.5°	45907.9	45914.3
15°	45639.9	45652.4
17.5°	45127.4	45143.8
20°	44244.7	44261.8
22.5°	42815.1	42822.2
25°	40736.7	40707.2
27.5°	37903.2	37852.4
30°	34301.1	34252.0
32.5°	30006.3	29975.7
35°	25172.0	25152.6
37.5°	20082.3	20042.8
40°	15141.1	15026.1
42.5°	10807.4	10605.5
45°	7468.9	7229.6
47.5°	5214.0	5066.1
50°	3952.1	3904.4
52.5°	3220.3	3209.1
55°	2717.2	2712.3
57.5°	2339.0	2337.3
60°	2042.0	2041.5
62.5°	1820.6	1821.3
65°	1664.6	1664.9
67.5°	1527.2	1526.3
70°	1368.5	1367.3
72.5°	1259.3	1257.4
75°	1174.9	1173.7
77.5°	1054.8	1053.0
80°	909.4	907.0
82.5°	748.0	745.4
85°	557.9	558.1
87.5°	341.3	341.2
90°	127.9	126.3
92.5°	7.3	7.6
95°	7.8	7.8
97.5°	8.7	8.7
100°	9.9	9.9
102.5°	11.8	11.8
105°	14.0	14.0
107.5°	16.7	16.7
110°	20.4	20.4



TEST NUMBER: P1444633
CATALOG NUMBER: EHBR1-54-UNV-TA-L850

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	24.8	24.8
115°	29.9	29.9
117.5°	36.0	36.0
120°	42.6	42.6
122.5°	50.1	49.9
125°	58.1	57.9
127.5°	66.5	66.1
130°	74.8	74.8
132.5°	84.0	83.5
135°	92.6	92.2
137.5°	100.9	100.5
140°	108.7	108.4
142.5°	116.2	115.9
145°	122.6	122.3
147.5°	128.4	128.2
150°	133.8	133.4
152.5°	138.1	137.8
155°	143.5	143.0
157.5°	149.3	148.7
160°	155.5	155.0
162.5°	162.1	161.6
165°	168.5	167.8
167.5°	174.4	174.1
170°	179.5	179.2
172.5°	183.2	182.8
175°	185.8	185.7
177.5°	187.9	187.5
180°	188.7	188.7

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-4

Test Date: 07/31/2025

Luminaire Tested: EHBR-60-L850-N

Data in this report applies to families of products including EHBR-60-L850-N

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-4
 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-L850-N**
 Description: Elevate Round Highbay at, 60000 lumens, 5000K 80CRI LEDs with N lens

Spectral Parameters

CCT (K): 4875
 CIE u': 0.2124
 CIE v': 0.4871
 Duv: 0.0005
 CIE x: 0.3488
 CIE y: 0.3555
 CIE z: 0.2957
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 573
 Purity: 11.33556
 Rf: 80
 Rg: 102.3

CRI (Ra):	82.3		
R1:	85.0	R9:	43.9
R2:	83.1	R10:	57.4
R3:	78.8	R11:	83.1
R4:	84.0	R12:	51.0
R5:	83.0	R13:	83.4
R6:	76.3	R14:	87.4
R7:	86.8	R15:	83.4
R8:	81.7		



Test Conditions

Stabilization Time: 39M
 Operation Time: 1H 39M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-4

Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208	10/22/2024	10/22/2025
Sphere Thermometer	ONSET IN0085	10/22/2024	10/22/2025
Room Thermometer	ONSET IN0046	10/22/2024	10/22/2025

REPORT NUMBER: SP1-2506-472-4

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-4

Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	89	NR	620	280	NR	750	6	NR	880	0	NR
365	0	NR	495	121	NR	625	280	NR	755	5	NR	885	0	NR
370	0	NR	500	168	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	224	NR	635	626	NR	765	4	NR	895	0	NR
380	1	NR	510	275	NR	640	163	NR	770	4	NR	900	0	NR
385	2	NR	515	321	NR	645	160	NR	775	3	NR	905	0	NR
390	3	NR	520	354	NR	650	136	NR	780	3	NR	910	0	NR
395	5	NR	525	375	NR	655	111	NR	785	2	NR	915	0	NR
400	7	NR	530	388	NR	660	93	NR	790	2	NR	920	0	NR
405	10	NR	535	395	NR	665	76	NR	795	2	NR	925	0	NR
410	15	NR	540	397	NR	670	72	NR	800	2	NR	930	0	NR
415	28	NR	545	398	NR	675	57	NR	805	1	NR	935	0	NR
420	53	NR	550	396	NR	680	49	NR	810	1	NR	940	0	NR
425	97	NR	555	395	NR	685	42	NR	815	1	NR	945	0	NR
430	163	NR	560	392	NR	690	37	NR	820	1	NR	950	0	NR
435	261	NR	565	388	NR	695	32	NR	825	1	NR	955	0	NR
440	409	NR	570	381	NR	700	27	NR	830	1	NR	960	0	NR
445	637	NR	575	374	NR	705	23	NR	835	1	NR	965	0	NR
450	699	NR	580	365	NR	710	20	NR	840	1	NR	970	0	NR
455	436	NR	585	354	NR	715	17	NR	845	0	NR	975	0	NR
460	274	NR	590	342	NR	720	15	NR	850	0	NR	980	0	NR
465	205	NR	595	325	NR	725	13	NR	855	0	NR	985	0	NR
470	130	NR	600	313	NR	730	11	NR	860	0	NR	990	0	NR
475	90	NR	605	301	NR	735	10	NR	865	0	NR	995	0	NR
480	78	NR	610	323	NR	740	8	NR	870	0	NR	1000	0	NR
485	77	NR	615	340	NR	745	7	NR	875	0	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.82

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	89	NR	620	280	NR	750	6	NR	880	0	NR
365	0	NR	495	121	NR	625	280	NR	755	5	NR	885	0	NR
370	0	NR	500	168	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	224	NR	635	626	NR	765	4	NR	895	0	NR
380	1	NR	510	275	NR	640	163	NR	770	4	NR	900	0	NR
385	2	NR	515	321	NR	645	160	NR	775	3	NR	905	0	NR
390	3	NR	520	354	NR	650	136	NR	780	3	NR	910	0	NR
395	5	NR	525	375	NR	655	111	NR	785	2	NR	915	0	NR
400	7	NR	530	388	NR	660	93	NR	790	2	NR	920	0	NR
405	10	NR	535	395	NR	665	76	NR	795	2	NR	925	0	NR
410	15	NR	540	397	NR	670	72	NR	800	2	NR	930	0	NR
415	28	NR	545	398	NR	675	57	NR	805	1	NR	935	0	NR
420	53	NR	550	396	NR	680	49	NR	810	1	NR	940	0	NR
425	97	NR	555	395	NR	685	42	NR	815	1	NR	945	0	NR
430	163	NR	560	392	NR	690	37	NR	820	1	NR	950	0	NR
435	261	NR	565	388	NR	695	32	NR	825	1	NR	955	0	NR
440	409	NR	570	381	NR	700	27	NR	830	1	NR	960	0	NR
445	637	NR	575	374	NR	705	23	NR	835	1	NR	965	0	NR
450	699	NR	580	365	NR	710	20	NR	840	1	NR	970	0	NR
455	436	NR	585	354	NR	715	17	NR	845	0	NR	975	0	NR
460	274	NR	590	342	NR	720	15	NR	850	0	NR	980	0	NR
465	205	NR	595	325	NR	725	13	NR	855	0	NR	985	0	NR
470	130	NR	600	313	NR	730	11	NR	860	0	NR	990	0	NR
475	90	NR	605	301	NR	735	10	NR	865	0	NR	995	0	NR
480	78	NR	610	323	NR	740	8	NR	870	0	NR	1000	0	NR
485	77	NR	615	340	NR	745	7	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-4

Melanopic Flux vs. Wavelength



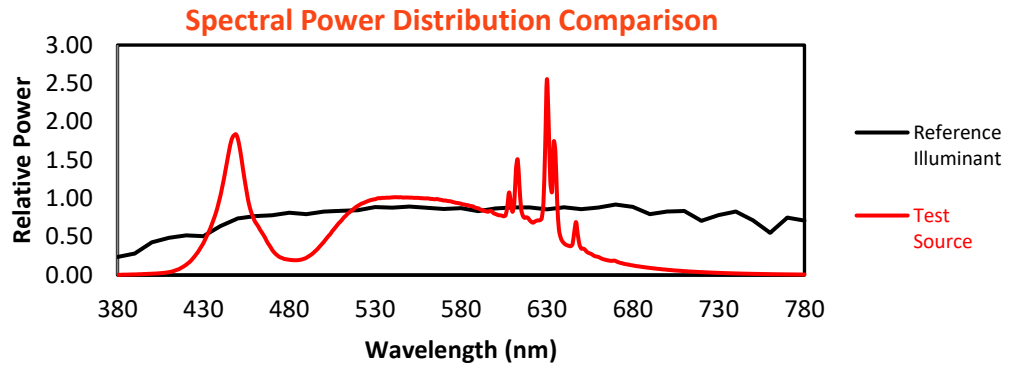
Melanopic Lumens: NR

M/P: 3.71

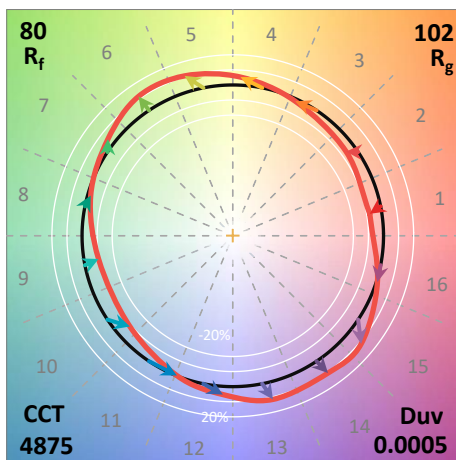
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	89	NR	620	280	NR	750	6	NR	880	0	NR
365	0	NR	495	121	NR	625	280	NR	755	5	NR	885	0	NR
370	0	NR	500	168	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	224	NR	635	626	NR	765	4	NR	895	0	NR
380	1	NR	510	275	NR	640	163	NR	770	4	NR	900	0	NR
385	2	NR	515	321	NR	645	160	NR	775	3	NR	905	0	NR
390	3	NR	520	354	NR	650	136	NR	780	3	NR	910	0	NR
395	5	NR	525	375	NR	655	111	NR	785	2	NR	915	0	NR
400	7	NR	530	388	NR	660	93	NR	790	2	NR	920	0	NR
405	10	NR	535	395	NR	665	76	NR	795	2	NR	925	0	NR
410	15	NR	540	397	NR	670	72	NR	800	2	NR	930	0	NR
415	28	NR	545	398	NR	675	57	NR	805	1	NR	935	0	NR
420	53	NR	550	396	NR	680	49	NR	810	1	NR	940	0	NR
425	97	NR	555	395	NR	685	42	NR	815	1	NR	945	0	NR
430	163	NR	560	392	NR	690	37	NR	820	1	NR	950	0	NR
435	261	NR	565	388	NR	695	32	NR	825	1	NR	955	0	NR
440	409	NR	570	381	NR	700	27	NR	830	1	NR	960	0	NR
445	637	NR	575	374	NR	705	23	NR	835	1	NR	965	0	NR
450	699	NR	580	365	NR	710	20	NR	840	1	NR	970	0	NR
455	436	NR	585	354	NR	715	17	NR	845	0	NR	975	0	NR
460	274	NR	590	342	NR	720	15	NR	850	0	NR	980	0	NR
465	205	NR	595	325	NR	725	13	NR	855	0	NR	985	0	NR
470	130	NR	600	313	NR	730	11	NR	860	0	NR	990	0	NR
475	90	NR	605	301	NR	735	10	NR	865	0	NR	995	0	NR
480	78	NR	610	323	NR	740	8	NR	870	0	NR	1000	0	NR
485	77	NR	615	340	NR	745	7	NR	875	0	NR			

Summary

$R_f = 80$
 $R_g = 102.3$
 $CIE R_a = 82.3$
 $R_9 = 43.9$

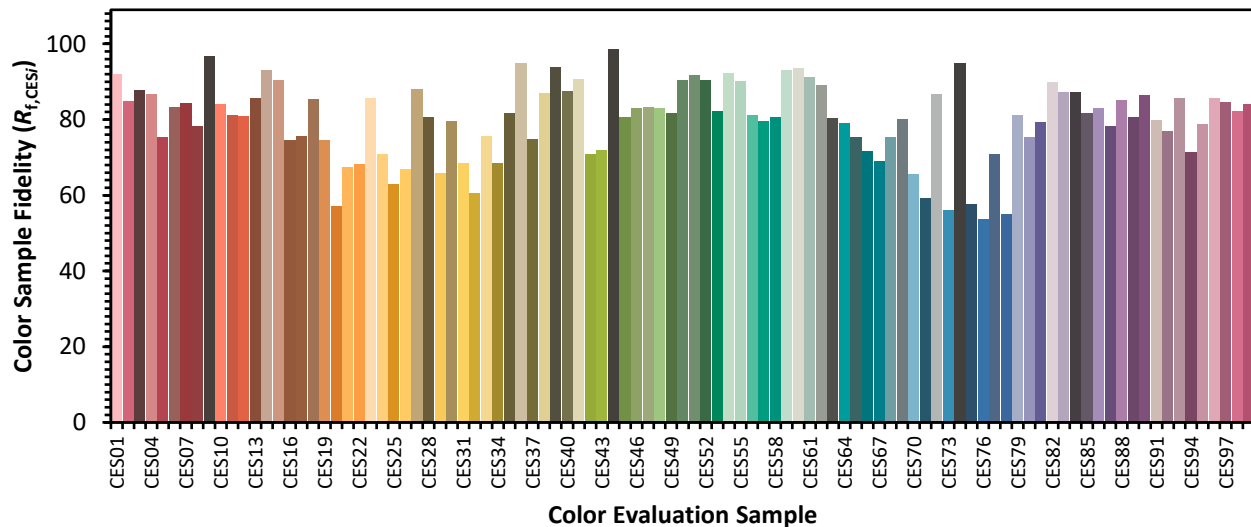


Color Vector Graphics

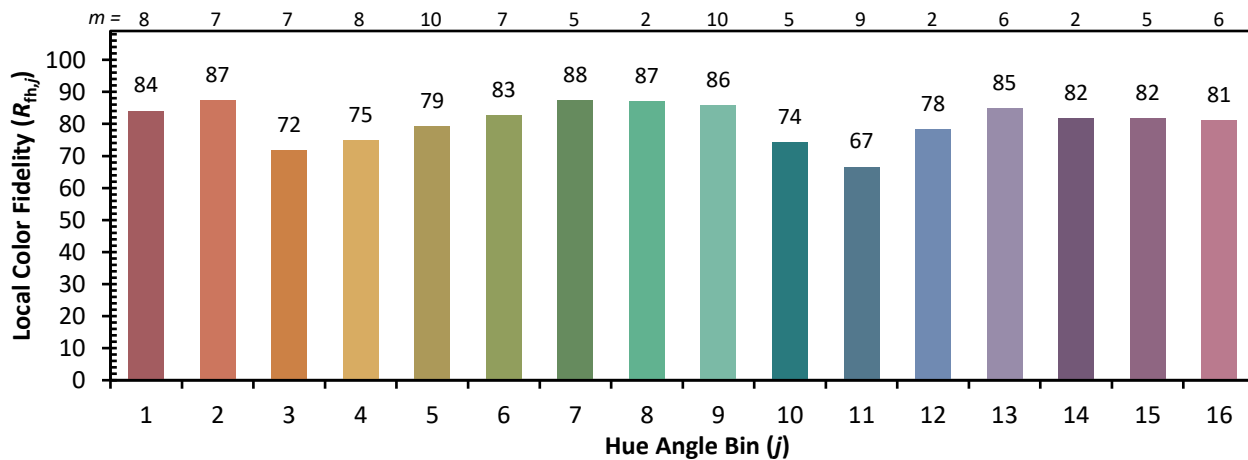
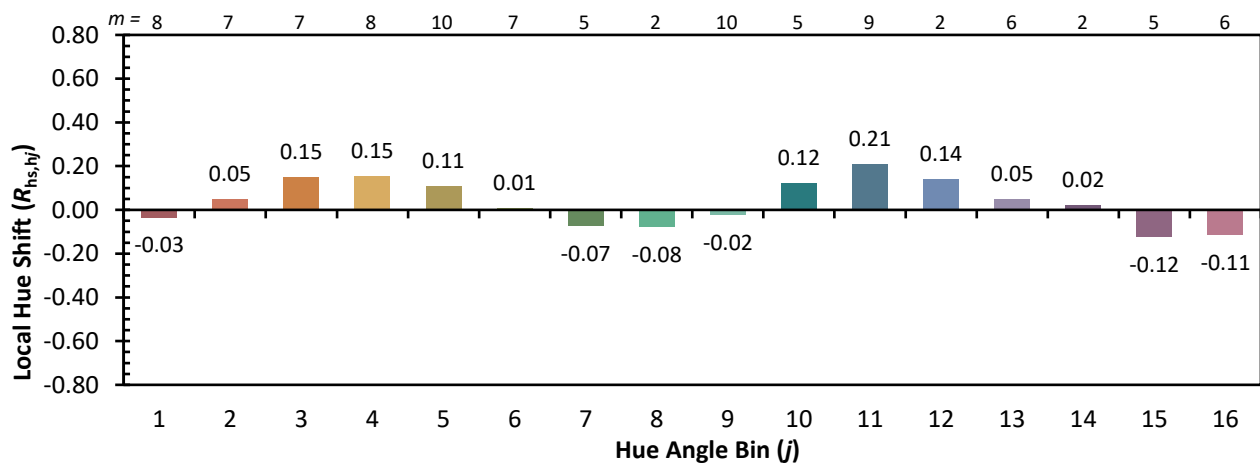
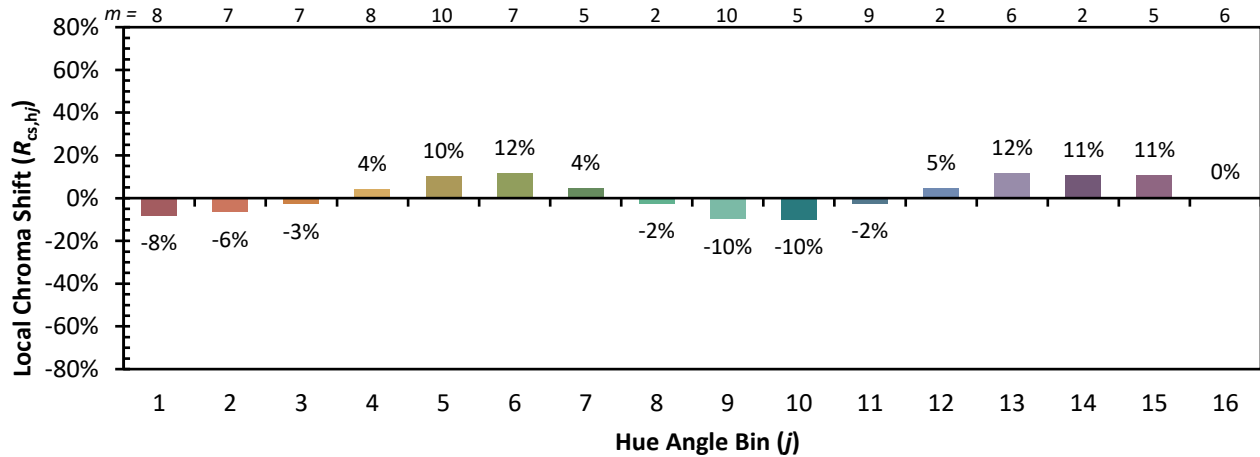


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 67	CES51 = 92	CES76 = 54
CES02 = 60	CES27 = 88	CES52 = 91	CES77 = 71
CES03 = 31	CES28 = 81	CES53 = 82	CES78 = 55
CES04 = 69	CES29 = 66	CES54 = 92	CES79 = 81
CES05 = 47	CES30 = 80	CES55 = 90	CES80 = 75
CES06 = 50	CES31 = 69	CES56 = 81	CES81 = 79
CES07 = 40	CES32 = 61	CES57 = 80	CES82 = 90
CES08 = 39	CES33 = 76	CES58 = 81	CES83 = 87
CES09 = 29	CES34 = 68	CES59 = 93	CES84 = 87
CES10 = 73	CES35 = 82	CES60 = 94	CES85 = 82
CES11 = 56	CES36 = 95	CES61 = 91	CES86 = 83
CES12 = 62	CES37 = 75	CES62 = 89	CES87 = 78
CES13 = 42	CES38 = 87	CES63 = 80	CES88 = 85
CES14 = 74	CES39 = 94	CES64 = 79	CES89 = 81
CES15 = 71	CES40 = 87	CES65 = 75	CES90 = 86
CES16 = 46	CES41 = 91	CES66 = 72	CES91 = 80
CES17 = 48	CES42 = 71	CES67 = 69	CES92 = 77
CES18 = 56	CES43 = 72	CES68 = 75	CES93 = 86
CES19 = 70	CES44 = 99	CES69 = 80	CES94 = 71
CES20 = 65	CES45 = 81	CES70 = 66	CES95 = 79
CES21 = 85	CES46 = 83	CES71 = 59	CES96 = 86
CES22 = 77	CES47 = 83	CES72 = 87	CES97 = 85
CES23 = 91	CES48 = 83	CES73 = 56	CES98 = 82
CES24 = 90	CES49 = 82	CES74 = 95	CES99 = 84
CES25 = 71	CES50 = 91	CES75 = 58	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)