

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: P1444704

Luminaire Tested: EHBR1-54-UNV-TA-L930-UPL40

Issue Date: 5/1/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1444704  
REPORT IS A COMBINATION OF REPORTS P1444361 AND P1431635  
Test Lab: INNOVATION CENTER  
Issue Date: 5/1/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: EHBR1-54-UNV-TA-L930-UPL40  
Description: Elevate Round Highbay at, 54000 lumens, 3000K 90CRI LEDs with TA lens  
Light Source: -  
Ballast/Driver: -

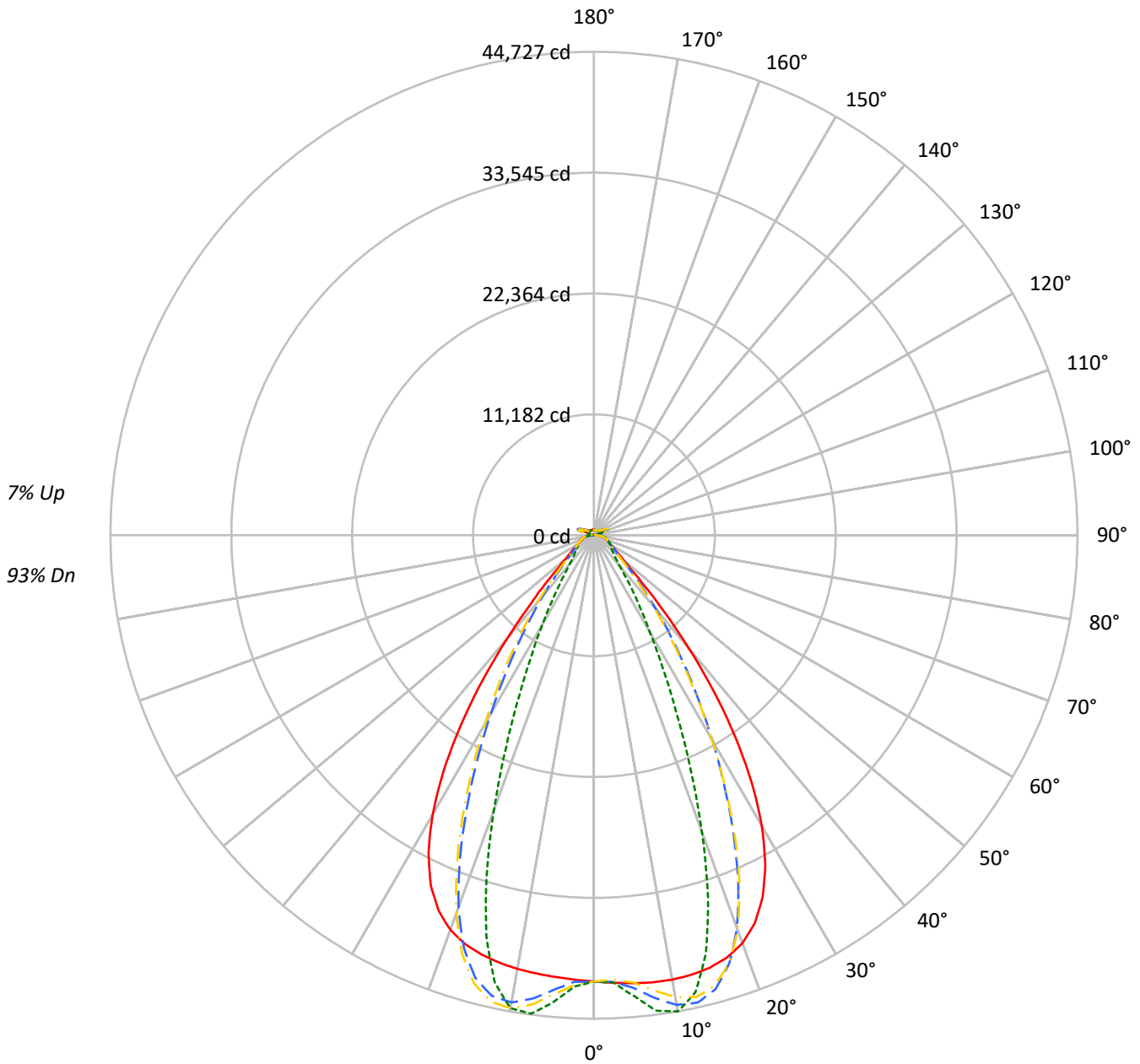
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 51256.6 lumens  
Efficiency: N/A  
Efficacy: 156.9 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: Direct

Input Watts (W): 326.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P1444704  
CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL40

### 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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	95	95	95	93
1	110	107	104	101	107	104	101	99	98	96	94	93	92	90	89	87	86	86	86	86	84
2	103	97	93	88	100	95	91	87	91	87	84	86	83	81	83	80	78	78	78	78	76
3	97	89	83	79	94	87	82	78	84	79	75	80	76	73	77	74	71	71	71	71	69
4	91	82	76	71	89	81	75	70	78	72	69	75	70	67	72	68	65	65	65	65	63
5	86	76	70	65	84	75	69	64	72	67	63	70	65	61	67	63	60	60	60	60	58
6	81	71	64	59	79	70	63	59	67	62	58	65	60	57	63	59	56	56	56	56	54
7	77	66	59	55	75	65	59	54	63	57	53	61	56	53	59	55	52	52	52	52	50
8	72	62	55	51	71	61	55	50	59	54	50	57	53	49	56	52	48	48	48	48	47
9	69	58	51	47	67	57	51	47	56	50	46	54	49	46	53	48	45	45	45	45	44
10	65	55	48	44	64	54	48	44	52	47	43	51	46	43	50	46	42	42	42	42	41

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	193886	193886	193886	193886
5°	194825	200506	192098	203132
10°	196451	210516	191740	209123
15°	197415	190831	191405	183147
20°	195374	142162	188979	131534
25°	184929	89910	178817	81577
30°	161549	54029	155292	49377
35°	124329	33903	117178	30032
40°	78649	21267	71958	19984
45°	40538	16568	39866	16296
50°	23767	14737	23038	14507
55°	18208	13943	17534	13817
60°	15406	14243	14751	14058
65°	14471	14874	13917	14366
70°	14138	15575	13432	14988
75°	15116	16517	14299	15787
80°	15642	18290	14183	16696
85°	14731	17646	11903	15112

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 25°  
 Vertical Angle: 45°  
 Luminance: 62037 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4068.9	7.9
10°-20°	11446.2	22.3
20°-30°	13036.3	25.4
30°-40°	9369.9	18.3
40°-50°	4321.4	8.4
50°-60°	2068.0	4.0
60°-70°	1508.9	2.9
70°-80°	1146.3	2.2
80°-90°	527.5	1.0
90°-100°	107.9	0.2
100°-110°	614.8	1.2
110°-120°	1135.6	2.2
120°-130°	696.2	1.4
130°-140°	449.4	0.9
140°-150°	334.8	0.7
150°-160°	234.2	0.5
160°-170°	141.7	0.3
170°-180°	48.6	0.1
0°-30°	28551.5	55.7
0°-40°	37921.4	74.0
0°-60°	44310.8	86.4
0°-90°	47493.5	92.7
90°-120°	1858.2	3.6
90°-150°	3338.5	6.5
90°-180°	3763.0	7.3
0°-180°	51256.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	41287	41287	41287	41287	41287	
5°	41598	42811	41016	43372	41598	3975
15°	41417	40035	40156	38423	41417	11669
25°	36930	17955	35710	16291	36930	16741
35°	22819	6222	21506	5512	22819	14005
45°	6559	2681	6450	2637	6559	5578
55°	2461	1884	2370	1867	2461	2271
65°	1510	1552	1453	1500	1510	1509
75°	1065	1164	1007	1112	1065	1107
85°	506	606	409	519	506	476
90°	140	176	42	51	140	87
95°	49	55	50	55	49	47
105°	222	286	149	286	222	294
115°	991	1200	1038	1201	991	915
125°	748	782	846	783	748	681
135°	591	522	636	526	591	461
145°	528	510	561	516	528	333
155°	495	495	526	500	495	230
165°	494	493	512	496	494	140
175°	506	511	516	512	506	48
180°	513	513	513	513	513	



TEST NUMBER: P1444704  
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**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41444.4	41441.0	41440.5	41437.5	41436.7	41436.7	41435.4	41432.0	41429.9	41425.1	41419.8
5°	41598.2	41596.3	41597.4	41597.8	41594.8	41588.4	41578.3	41565.9	41550.3	41535.6	41522.5
7.5°	41717.1	41720.0	41723.7	41722.9	41713.9	41698.7	41678.0	41666.5	41673.3	41695.8	41747.2
10°	41738.8	41756.6	41763.4	41761.3	41743.3	41730.3	41735.3	41779.0	41866.1	41982.3	42141.1
12.5°	41654.2	41675.9	41675.1	41668.0	41650.5	41668.2	41731.6	41861.8	42048.5	42277.6	42546.3
15°	41416.6	41444.7	41436.7	41427.5	41415.8	41474.1	41600.6	41826.8	42115.1	42438.1	42768.7
17.5°	40955.2	40989.2	40972.7	40962.1	40952.3	41061.6	41279.0	41610.1	41973.2	42338.6	42652.0
20°	40155.0	40177.7	40138.4	40119.9	40135.6	40349.6	40669.8	41092.7	41475.5	41821.0	42035.2
22.5°	38849.0	38877.3	38803.4	38794.9	38886.0	39214.8	39620.1	40092.8	40452.5	40726.3	40808.8
25°	36930.2	36958.0	36870.3	36922.8	37077.9	37525.7	38008.3	38514.1	38820.9	39023.7	38967.7
27.5°	34340.3	34365.7	34282.5	34389.6	34634.8	35223.3	35791.4	36339.9	36613.3	36755.5	36575.4
30°	31073.9	31126.7	31028.3	31177.8	31552.2	32316.3	32967.0	33582.1	33854.8	33963.0	33682.7
32.5°	27194.5	27269.6	27161.1	27383.6	27905.9	28823.7	29562.9	30250.3	30551.8	30675.3	30358.7
35°	22818.9	22926.6	22802.2	23136.0	23780.4	24802.4	25621.0	26388.3	26745.5	26920.5	26601.5
37.5°	18183.2	18285.8	18218.5	18663.9	19371.5	20430.8	21266.4	22094.2	22497.5	22760.2	22508.8
40°	13631.9	13725.9	13776.8	14286.2	14951.7	15950.1	16752.6	17571.8	18022.9	18352.7	18197.6
42.5°	9621.5	9716.2	9889.4	10380.9	10935.9	11762.3	12449.7	13185.1	13616.2	13968.0	13908.1
45°	6558.8	6668.8	6885.7	7288.2	7689.6	8282.4	8787.3	9359.2	9711.3	10033.5	10037.3
47.5°	4596.1	4673.3	4867.2	5142.1	5403.7	6145.9	6176.4	6457.5	6694.1	6935.0	6966.2
50°	3542.1	3588.6	3691.5	3844.6	3992.8	4185.5	4361.9	4565.6	4711.3	4843.3	4874.9
52.5°	2911.4	2940.9	2993.2	3076.2	3162.2	3267.0	3361.4	3473.2	3552.5	3623.2	3638.1
55°	2460.6	2485.1	2563.0	2578.7	2677.2	2696.1	2738.0	2806.1	2852.2	2894.5	2905.1
57.5°	2120.5	2138.2	2154.8	2190.1	2220.4	2264.5	2299.9	2348.8	2377.8	2408.4	2411.1
60°	1852.1	1864.9	1876.7	1901.2	1921.8	1952.5	1976.9	2010.1	2030.9	2053.9	2056.5
62.5°	1652.4	1661.5	1669.4	1685.6	1700.3	1723.8	1743.2	1771.0	1790.4	1808.1	1812.1
65°	1510.4	1517.2	1522.2	1534.5	1547.3	1567.3	1584.9	1607.5	1621.8	1635.4	1638.3
67.5°	1384.7	1391.1	1396.2	1407.4	1416.3	1431.3	1443.1	1460.0	1470.7	1481.6	1482.0
70°	1240.5	1246.4	1250.4	1260.9	1268.0	1280.8	1290.4	1305.7	1316.7	1328.8	1331.8
72.5°	1140.7	1144.2	1149.6	1159.1	1169.0	1182.8	1195.5	1211.4	1224.7	1237.3	1242.6
75°	1064.8	1068.9	1072.5	1080.6	1087.5	1099.1	1108.6	1123.1	1134.8	1148.2	1154.8
77.5°	955.3	960.0	963.1	971.2	977.1	988.3	995.3	1008.3	1017.9	1030.1	1036.0
80°	822.9	827.3	829.5	837.1	841.9	852.1	859.1	871.5	879.6	891.8	899.0
82.5°	676.2	680.5	681.6	688.9	691.4	699.9	704.9	717.8	727.6	743.5	754.5
85°	506.3	507.9	510.3	508.5	518.7	519.4	530.9	533.1	548.4	552.4	569.8
87.5°	309.6	314.1	316.4	323.5	326.5	333.6	335.7	343.2	347.4	355.9	359.9
90°	139.6	147.2	150.2	159.1	161.8	169.9	172.2	181.1	184.0	193.2	197.7
92.5°	43.3	46.1	48.7	52.0	54.8	58.5	61.7	64.9	67.7	71.3	77.0
95°	49.3	52.5	55.7	58.9	62.1	65.2	68.4	71.6	74.9	78.1	87.2
97.5°	61.7	64.4	67.2	70.0	72.7	75.6	78.3	81.1	83.9	86.5	97.7
100°	80.0	82.3	84.7	87.1	89.4	91.8	94.1	96.4	98.8	101.1	121.7
102.5°	131.7	140.0	148.4	156.7	164.9	173.1	181.6	189.7	198.1	206.4	250.1
105°	222.1	244.5	267.3	289.7	312.3	335.0	357.6	379.8	402.4	425.0	496.3
107.5°	378.1	419.7	461.5	503.4	545.2	586.9	628.7	670.4	712.0	753.5	825.9
110°	696.4	729.8	763.4	797.1	830.6	864.3	897.8	931.2	964.8	998.3	1051.0



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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°	938.5	953.5	968.8	984.0	999.1	1014.1	1029.3	1044.3	1059.6	1074.4	1112.1
115°	991.0	996.2	1001.7	1006.8	1012.2	1017.3	1022.5	1027.6	1032.9	1037.8	1063.3
117.5°	963.9	962.9	961.9	960.9	959.7	958.6	957.5	956.2	954.9	953.7	968.0
120°	900.9	896.0	891.4	886.4	881.6	876.7	872.0	866.9	861.8	856.7	862.8
122.5°	821.1	815.3	810.0	803.9	798.2	792.0	786.4	780.0	774.3	768.3	770.3
125°	747.6	741.7	736.3	730.3	724.1	718.2	712.1	706.0	699.8	693.6	694.6
127.5°	684.0	680.0	675.9	671.5	667.2	662.7	658.2	653.6	649.2	644.3	644.4
130°	643.9	640.3	636.5	632.4	628.6	624.3	620.1	615.8	611.8	607.2	607.5
132.5°	611.5	608.9	606.2	603.2	600.3	596.8	593.9	590.2	587.2	583.8	584.1
135°	590.6	588.1	585.7	582.9	580.1	576.9	573.8	570.5	567.5	564.1	564.8
137.5°	573.2	571.0	568.6	566.0	563.4	560.3	557.5	554.4	551.4	548.3	548.9
140°	557.3	555.3	553.0	550.5	548.2	545.6	542.8	540.0	537.1	534.2	535.1
142.5°	539.1	537.3	535.8	533.6	531.7	529.3	527.1	524.5	522.4	519.8	521.1
145°	527.6	526.2	524.9	523.1	521.2	519.1	517.2	514.8	512.9	510.8	512.2
147.5°	517.7	516.4	515.4	513.9	512.6	510.6	508.9	507.1	505.4	503.6	505.1
150°	508.9	507.9	506.8	505.5	504.0	502.3	500.7	499.1	497.4	495.7	497.2
152.5°	499.5	498.2	497.3	496.1	494.7	492.9	491.6	489.9	488.4	486.7	488.0
155°	494.6	493.3	492.2	491.0	489.7	488.2	486.7	485.2	483.9	482.2	483.3
157.5°	492.1	491.0	490.1	488.9	488.0	486.7	485.6	484.3	483.2	482.0	482.6
160°	492.0	491.0	490.0	488.9	487.8	486.5	485.6	484.3	483.4	482.2	482.6
162.5°	492.3	491.2	490.1	489.1	488.0	486.7	485.8	484.8	483.7	482.5	483.3
165°	494.0	493.5	492.7	491.9	491.2	490.4	489.7	488.7	488.0	487.0	487.5
167.5°	499.8	498.8	498.1	497.2	496.1	495.3	494.3	493.3	492.6	491.6	492.0
170°	502.4	501.6	501.2	500.7	500.1	499.5	499.0	498.4	497.8	497.2	497.6
172.5°	505.7	505.1	504.8	504.6	503.9	503.6	503.1	502.7	502.4	501.8	502.5
175°	506.4	506.0	505.9	505.5	505.3	504.9	504.8	504.5	504.5	504.0	504.4
177.5°	510.0	509.9	509.9	509.7	509.7	509.6	509.4	509.1	508.9	508.9	509.3
180°	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0



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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°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41415.8	41410.7	41403.8	41395.1	41387.6	41378.9	41358.2	41352.2	41359.0	41363.7	41373.1
5°	41514.2	41517.1	41518.2	41537.0	41553.2	41593.7	41911.4	42037.6	42135.3	42197.2	42291.3
7.5°	41810.9	41906.4	42000.7	42127.8	42237.3	42385.3	42941.1	43177.6	43345.7	43466.7	43615.4
10°	42313.7	42522.0	42717.5	42946.4	43143.2	43368.5	43885.8	44116.3	44261.8	44367.7	44466.6
12.5°	42820.1	43109.2	43370.4	43625.2	43838.2	44033.5	44215.5	44296.1	44303.0	44306.4	44253.9
15°	43083.9	43360.3	43590.4	43758.9	43884.1	43939.4	43626.3	43461.9	43254.2	43083.2	42801.8
17.5°	42917.4	43083.2	43182.6	43172.8	43121.2	42947.9	42060.7	41572.8	41088.4	40651.8	40079.3
20°	42177.4	42164.6	42078.2	41833.2	41538.0	41079.0	39558.0	38680.5	37832.1	37086.9	36182.9
22.5°	40800.4	40583.7	40281.6	39753.5	39166.6	38364.7	36185.1	34894.3	33713.1	32669.7	31500.9
25°	38805.2	38359.5	37802.4	36963.8	36051.9	34882.3	32195.8	30590.2	29172.2	27942.2	26593.6
27.5°	36251.9	35580.5	34764.0	33603.4	32368.0	30869.5	27891.1	26119.2	24596.9	23278.3	21842.8
30°	33229.0	32355.8	31301.4	29861.0	28370.8	26671.3	23650.5	21855.8	20314.9	18958.4	17521.8
32.5°	29812.8	28790.0	27554.6	25937.9	24326.3	22579.0	19661.6	17924.5	16452.5	15147.4	13847.2
35°	26045.0	24948.2	23641.1	21992.2	20390.2	18691.4	16014.5	14448.1	13148.3	11994.7	10944.9
37.5°	22003.3	20926.4	19684.1	18130.0	16644.5	15105.0	12795.2	11482.7	10391.9	9434.5	8623.8
40°	17801.1	16858.7	15783.8	14440.2	13172.5	11890.4	9994.4	8952.5	8091.6	7361.4	6754.0
42.5°	13650.3	12920.0	12095.7	11033.9	10063.8	9087.6	7628.3	6856.3	6218.7	5693.1	5263.7
45°	9903.8	9415.2	8862.4	8124.2	7453.0	6772.0	5733.4	5191.0	4775.7	4436.8	4150.2
47.5°	6923.3	6639.9	6622.6	5940.4	5448.2	5031.8	4362.8	4020.1	3765.7	3560.3	3378.8
50°	4862.0	4724.9	4554.6	4311.2	4082.7	3847.4	3439.7	3232.5	3083.5	2959.1	2844.3
52.5°	3634.7	3563.5	3472.8	3343.6	3219.9	3087.5	2829.5	2697.7	2650.8	2534.9	2444.0
55°	2903.2	2862.3	2810.7	2734.8	2659.5	2629.4	2408.3	2310.4	2248.3	2202.6	2153.8
57.5°	2411.5	2381.0	2350.5	2299.1	2255.4	2202.6	2085.3	2035.1	1998.2	1971.3	1937.4
60°	2056.9	2038.7	2021.6	1991.4	1967.9	1939.5	1864.9	1836.6	1817.3	1801.1	1779.5
62.5°	1815.5	1806.2	1797.2	1781.2	1769.3	1753.9	1702.9	1689.2	1679.6	1671.5	1658.3
65°	1641.2	1634.5	1629.6	1618.8	1612.9	1603.9	1560.1	1550.9	1545.0	1542.0	1534.5
67.5°	1482.9	1475.8	1472.6	1464.9	1462.5	1456.8	1421.0	1416.0	1414.0	1415.0	1412.2
70°	1334.7	1331.8	1333.3	1332.2	1335.5	1336.5	1314.9	1314.7	1317.0	1321.6	1322.0
72.5°	1246.0	1246.0	1247.7	1248.4	1251.6	1253.2	1235.1	1234.2	1235.3	1238.7	1238.8
75°	1161.5	1162.9	1167.5	1169.0	1172.8	1173.6	1149.7	1147.0	1147.2	1150.4	1149.3
77.5°	1044.6	1049.7	1058.4	1063.0	1070.3	1071.7	1044.9	1041.7	1041.8	1045.0	1042.4
80°	912.0	921.6	935.5	945.1	956.5	961.1	933.6	927.0	920.8	919.9	914.4
82.5°	771.0	782.8	799.5	808.2	820.3	823.1	777.0	768.3	763.1	763.5	758.4
85°	588.6	597.5	612.7	617.6	625.0	624.4	571.8	549.3	555.3	545.9	553.3
87.5°	369.2	374.5	383.9	385.2	388.6	387.9	335.0	324.6	321.5	321.6	317.8
90°	207.9	213.1	223.1	224.7	232.0	232.9	191.7	188.5	183.3	183.9	177.2
92.5°	83.1	88.7	94.7	100.3	106.3	112.3	113.2	117.5	112.0	105.7	100.3
95°	96.7	106.0	115.4	124.8	134.2	143.6	153.0	162.4	153.6	144.8	136.1
97.5°	108.7	119.9	130.7	141.9	152.9	164.1	175.1	186.2	176.9	167.1	157.7
100°	142.5	163.2	183.7	204.4	224.9	245.6	266.4	287.0	268.9	250.5	232.3
102.5°	293.8	337.8	381.7	425.4	469.2	513.2	557.3	601.3	559.5	517.6	475.8
105°	567.3	638.4	709.5	780.3	851.5	922.6	994.1	1065.3	998.5	931.8	865.0
107.5°	897.8	970.1	1041.9	1113.9	1186.1	1258.2	1330.9	1403.1	1338.0	1272.6	1207.6
110°	1103.6	1156.0	1208.7	1261.1	1313.6	1366.1	1419.7	1472.3	1433.1	1393.8	1354.8



TEST NUMBER: P1444704  
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**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	1149.4	1187.2	1224.7	1262.0	1299.4	1337.0	1375.8	1413.6	1393.8	1373.9	1354.4
115°	1088.3	1113.8	1139.0	1164.1	1189.3	1214.4	1241.3	1266.9	1260.3	1253.9	1247.5
117.5°	981.9	995.9	1010.0	1023.9	1037.7	1051.7	1067.9	1082.2	1083.0	1083.9	1085.0
120°	868.5	874.4	880.1	885.9	891.4	897.2	905.5	911.7	916.8	921.7	926.8
122.5°	772.4	774.5	776.4	778.4	780.3	782.2	787.2	789.9	793.2	796.7	800.1
125°	695.4	696.2	697.0	697.9	698.5	699.4	703.6	705.0	705.0	704.9	704.9
127.5°	644.3	644.3	644.1	644.1	643.7	643.7	647.1	647.8	645.3	642.8	640.1
130°	607.8	608.0	608.1	608.4	608.7	608.9	613.0	614.3	610.0	605.5	601.3
132.5°	584.4	584.9	585.0	585.7	586.1	586.4	591.0	592.4	587.7	582.5	577.7
135°	565.2	565.9	566.4	566.9	567.5	568.4	573.4	575.1	570.6	565.7	561.1
137.5°	549.2	549.9	550.5	551.3	551.8	552.6	558.2	560.1	556.4	552.3	548.8
140°	535.8	536.6	537.5	538.5	539.3	540.5	546.6	548.8	545.9	542.8	539.6
142.5°	522.1	523.6	525.0	526.6	527.9	529.6	536.7	539.4	537.3	534.7	532.5
145°	513.6	515.4	516.9	518.9	520.6	522.6	530.6	533.8	532.4	530.7	529.2
147.5°	506.1	507.7	509.2	510.8	512.5	514.6	522.9	526.1	525.3	524.2	523.2
150°	498.4	500.1	501.6	503.3	505.3	507.2	516.7	520.3	519.5	518.6	517.7
152.5°	489.3	490.8	492.2	493.8	495.3	497.2	508.5	512.3	511.7	510.6	510.0
155°	484.2	485.2	486.2	487.5	488.6	490.3	502.2	506.1	505.6	505.1	504.6
157.5°	483.3	483.8	484.3	485.2	486.1	487.0	499.5	503.5	502.9	502.4	502.0
160°	483.1	483.5	483.9	484.6	485.0	485.8	498.7	502.2	501.9	501.4	500.8
162.5°	483.8	484.8	485.4	486.1	486.9	487.9	500.8	505.0	504.2	503.5	502.9
165°	487.8	488.1	488.4	489.0	489.2	489.9	502.0	505.3	505.0	504.4	503.9
167.5°	492.3	492.9	493.2	493.8	494.2	495.0	506.3	509.6	509.3	508.7	508.3
170°	497.8	498.4	498.6	499.1	499.7	500.4	509.7	512.5	512.1	511.2	510.8
172.5°	502.9	503.6	504.1	504.7	505.2	505.9	513.9	516.5	516.1	515.5	514.9
175°	504.8	505.1	505.6	506.3	506.8	507.2	513.6	515.4	515.3	514.9	514.6
177.5°	509.7	509.9	510.4	510.8	511.2	511.6	515.4	516.6	516.5	516.5	516.3
180°	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0



TEST NUMBER: P1444704  
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**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41375.2	41389.8	41391.9	41408.9	41407.5	41427.7	41424.5	41441.0	41431.4	41445.0	41433.5
5°	42347.0	42435.2	42481.2	42567.2	42594.5	42671.4	42693.1	42763.4	42766.3	42822.0	42809.3
7.5°	43720.9	43850.8	43928.0	44034.3	44088.1	44176.8	44215.7	44281.2	44302.4	44354.4	44358.4
10°	44541.4	44604.5	44648.5	44678.2	44705.2	44718.0	44732.8	44728.9	44732.8	44727.0	44739.7
12.5°	44218.7	44126.5	44065.7	43950.3	43883.4	43756.0	43693.4	43570.8	43526.3	43421.0	43405.9
15°	42584.3	42263.3	42036.6	41706.7	41499.4	41174.8	40984.9	40692.2	40558.4	40325.7	40264.7
17.5°	39605.5	39009.6	38548.5	37956.9	37546.4	36993.6	36645.9	36188.3	35937.6	35568.6	35440.8
20°	35429.3	34547.6	33855.9	33031.9	32442.2	31707.4	31237.0	30643.8	30299.4	29846.1	29662.4
22.5°	30526.3	29428.6	28564.7	27591.2	26879.7	26060.9	25497.4	24855.5	24480.8	23988.3	23770.3
25°	25472.8	24262.2	23301.8	22276.2	21524.4	20703.6	20139.9	19509.4	19121.6	18654.1	18437.5
27.5°	20639.5	19414.2	18486.0	17532.5	16842.8	16102.2	15593.6	15043.1	14698.9	14299.8	14096.0
30°	16374.2	15293.6	14503.6	13712.3	13138.6	12537.2	12114.5	11658.2	11356.3	11014.7	10820.5
32.5°	12899.3	12065.0	11446.5	10818.5	10349.1	9846.4	9481.2	9078.6	8806.1	8500.9	8325.1
35°	10216.1	9567.8	9074.5	8557.6	8154.2	7726.1	7404.3	7056.8	6812.3	6549.6	6397.8
37.5°	8071.8	7556.2	7150.3	6721.0	6389.6	6035.0	5915.5	5516.8	5263.3	5053.7	4908.5
40°	6334.8	5924.8	5589.0	5260.6	4990.4	4721.3	4505.5	4292.4	4128.9	3978.9	3875.2
42.5°	4946.9	4650.0	4404.6	4164.1	3967.0	3771.0	3614.6	3467.9	3357.7	3259.6	3192.8
45°	3932.6	3728.3	3557.9	3388.5	3249.4	3118.5	3013.3	2919.6	2848.5	2789.6	2747.8
47.5°	3230.7	3090.8	2970.6	2856.3	2761.9	2676.2	2605.7	2582.7	2506.2	2454.6	2435.0
50°	2745.7	2661.2	2569.9	2485.6	2422.5	2359.7	2314.0	2269.2	2240.6	2216.9	2209.7
52.5°	2383.6	2319.1	2268.3	2214.8	2173.2	2128.6	2097.0	2067.2	2051.5	2039.0	2037.5
55°	2114.5	2069.3	2035.7	1999.9	1974.9	1948.7	1932.4	1916.7	1909.8	1903.5	1903.9
57.5°	1910.9	1880.7	1858.8	1835.6	1822.1	1809.5	1805.4	1801.4	1803.6	1804.5	1808.0
60°	1762.4	1742.8	1729.1	1715.7	1710.1	1706.1	1709.1	1712.7	1719.9	1725.7	1730.9
62.5°	1648.7	1637.6	1630.8	1623.7	1623.0	1623.3	1629.4	1635.4	1644.4	1651.2	1656.2
65°	1531.7	1525.3	1523.1	1518.5	1520.8	1522.2	1529.6	1534.1	1543.1	1548.5	1554.9
67.5°	1413.3	1411.8	1413.3	1413.3	1417.4	1420.9	1428.0	1433.1	1440.8	1445.7	1450.9
70°	1326.0	1326.6	1329.8	1330.5	1334.9	1337.3	1343.5	1346.8	1353.7	1357.8	1364.2
72.5°	1241.1	1239.8	1240.5	1238.5	1240.0	1239.4	1242.8	1244.5	1250.3	1253.5	1261.1
75°	1150.6	1146.8	1145.9	1141.8	1141.9	1139.1	1140.4	1140.2	1144.0	1145.6	1151.1
77.5°	1041.4	1035.0	1031.9	1025.1	1024.9	1022.3	1025.1	1026.7	1033.5	1036.7	1042.9
80°	910.7	900.7	896.0	888.1	889.4	889.0	895.8	900.8	909.1	910.6	918.5
82.5°	756.9	746.7	741.8	734.0	735.8	736.0	742.1	743.2	750.3	753.5	762.6
85°	542.0	545.9	535.1	535.8	533.5	537.8	542.0	547.2	553.1	563.1	570.8
87.5°	319.2	317.8	321.6	322.1	327.6	330.5	339.3	344.4	354.4	362.2	376.2
90°	175.9	169.2	170.7	167.5	171.4	168.3	172.0	168.3	173.1	172.4	178.9
92.5°	93.7	88.2	81.7	76.1	69.8	64.4	61.0	58.8	55.5	53.4	49.9
95°	127.3	118.5	109.8	101.1	92.3	83.6	80.4	77.2	74.0	70.8	67.6
97.5°	148.4	138.9	129.6	120.1	110.7	101.3	99.2	97.0	94.9	92.8	90.6
100°	214.1	195.9	177.8	159.4	141.3	123.2	121.5	119.8	118.1	116.4	114.6
102.5°	434.2	392.5	350.8	309.1	267.5	225.7	218.5	211.2	204.0	196.7	189.5
105°	798.2	731.4	664.8	598.0	531.5	464.7	444.9	424.8	404.9	385.1	365.3
107.5°	1142.4	1077.3	1012.2	947.3	882.2	817.2	785.6	754.3	722.6	691.3	660.0
110°	1315.3	1276.1	1237.2	1197.9	1158.9	1119.9	1089.7	1059.8	1029.7	999.7	969.7



TEST NUMBER: P1444704  
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**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	1334.6	1314.9	1295.1	1275.5	1256.1	1236.4	1221.7	1207.0	1192.4	1177.7	1162.8
115°	1240.9	1234.6	1228.2	1221.9	1215.8	1209.4	1208.2	1207.2	1205.9	1204.9	1203.9
117.5°	1085.8	1086.7	1087.5	1088.6	1089.7	1090.8	1098.4	1105.9	1113.7	1121.7	1129.5
120°	931.7	936.8	941.7	946.9	952.0	957.2	967.2	977.7	987.9	998.7	1009.3
122.5°	803.3	806.7	810.0	813.5	817.0	820.5	830.5	840.7	850.9	861.3	871.9
125°	704.4	704.3	704.1	703.8	703.6	703.8	711.8	720.1	728.6	737.2	745.7
127.5°	637.5	634.7	632.0	629.5	626.6	624.3	628.9	633.7	638.4	643.5	648.4
130°	596.8	592.3	587.7	583.5	578.9	574.6	576.1	577.8	579.5	581.4	583.3
132.5°	572.6	567.6	562.4	557.2	552.1	547.1	546.6	546.2	545.6	545.6	545.6
135°	556.1	551.5	546.4	541.5	536.5	531.9	530.3	528.7	527.3	526.0	524.7
137.5°	544.8	540.8	536.8	533.1	528.9	525.1	522.7	521.0	518.9	517.5	515.5
140°	536.4	533.3	530.0	526.8	523.5	520.4	518.5	516.9	515.3	513.8	512.3
142.5°	530.0	527.6	525.1	522.7	520.2	517.8	516.1	514.5	512.9	511.6	510.0
145°	527.5	525.9	524.2	522.5	520.8	519.2	517.7	516.5	515.3	514.0	513.1
147.5°	522.1	520.9	519.8	518.7	517.4	516.2	515.2	514.6	513.4	512.8	511.9
150°	516.6	515.5	514.5	513.7	512.3	511.4	510.6	510.2	509.4	509.1	508.5
152.5°	508.8	508.0	507.0	506.3	505.0	504.1	503.5	503.1	502.6	502.2	501.4
155°	503.8	503.1	502.4	501.8	500.8	500.4	499.7	498.9	498.2	497.6	496.9
157.5°	501.4	500.7	499.9	499.5	498.6	498.0	497.3	496.7	496.0	495.5	494.8
160°	500.3	499.8	499.0	498.4	497.8	497.2	496.3	495.5	494.6	494.0	492.9
162.5°	502.0	501.2	500.5	499.7	498.6	498.0	497.2	496.6	496.0	495.4	494.6
165°	503.3	502.7	502.1	501.4	501.0	500.4	499.5	498.8	497.8	497.2	496.1
167.5°	507.7	507.2	506.6	506.2	505.5	504.8	504.2	503.3	502.5	501.6	500.6
170°	510.4	509.5	508.9	508.1	507.4	506.6	506.0	505.1	504.3	503.8	502.8
172.5°	514.5	514.0	513.4	512.9	512.0	511.5	511.1	510.4	509.7	508.9	508.5
175°	514.5	514.4	514.2	513.7	513.6	513.2	512.9	512.8	512.5	512.3	511.9
177.5°	516.3	516.1	516.1	515.9	515.7	515.7	515.3	515.1	514.8	514.5	514.2
180°	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0



TEST NUMBER: P1444704  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL40

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41445.5	41434.9	41439.9	41420.5	41425.1	41401.7	41399.6	41373.1	41370.5	41345.6	41336.2
5°	42848.7	42825.7	42851.7	42811.1	42819.1	42766.3	42761.9	42693.6	42670.1	42584.7	42547.8
7.5°	44390.9	44382.3	44398.2	44364.2	44363.1	44316.0	44296.6	44235.3	44197.4	44107.7	44050.5
10°	44728.9	44736.8	44723.8	44727.0	44708.6	44703.6	44684.8	44672.8	44642.1	44618.8	44584.6
12.5°	43325.9	43334.2	43280.8	43314.7	43287.9	43350.5	43345.5	43419.2	43430.6	43523.9	43559.2
15°	40083.4	40073.3	39970.6	40035.3	40000.6	40138.0	40168.7	40353.5	40452.5	40689.8	40835.6
17.5°	35185.1	35158.7	35014.0	35092.8	35052.7	35255.3	35323.2	35618.9	35803.3	36185.7	36458.2
20°	29346.1	29295.5	29126.3	29218.5	29177.1	29407.3	29504.3	29861.6	30099.4	30605.9	30966.2
22.5°	23434.6	23354.5	23188.9	23275.0	23236.0	23474.4	23600.6	23959.1	24231.5	24751.4	25172.1
25°	18126.1	18054.8	17894.6	17954.9	17940.3	18142.0	18254.4	18593.4	18861.1	19356.3	19757.8
27.5°	13825.2	13751.0	13606.3	13649.0	13634.3	13806.1	13911.9	14195.2	14425.5	14842.5	15195.0
30°	10581.2	10491.6	10368.9	10392.5	10382.4	10521.7	10620.5	10859.1	11056.5	11408.8	11712.5
32.5°	8110.4	8020.5	7907.7	7918.8	7903.9	8013.1	8094.6	8302.0	8474.0	8773.6	9038.0
35°	6205.6	6310.7	6069.9	6222.5	6063.6	6296.8	6212.9	6342.6	6490.5	6743.0	6963.5
37.5°	4770.6	4697.4	4635.3	4628.8	4628.5	4682.5	4746.3	4871.1	5001.5	5189.6	5383.9
40°	3780.5	3729.1	3689.0	3686.1	3689.0	3727.4	3774.5	3860.9	3956.3	4091.4	4234.2
42.5°	3135.6	3101.4	3077.3	3075.6	3083.3	3110.4	3143.2	3194.5	3256.6	3344.1	3442.0
45°	2713.9	2694.9	2681.4	2680.6	2684.2	2698.4	2717.2	2749.2	2788.6	2843.2	2905.1
47.5°	2417.9	2413.3	2404.9	2405.2	2401.4	2407.2	2409.4	2427.3	2448.2	2489.4	2570.3
50°	2202.5	2202.5	2196.7	2196.4	2190.9	2190.5	2186.0	2193.0	2202.8	2228.3	2254.2
52.5°	2032.2	2031.5	2025.3	2024.0	2018.3	2017.9	2014.0	2016.7	2018.1	2030.9	2046.4
55°	1899.0	1895.1	1886.8	1884.2	1881.9	1885.3	1883.8	1883.9	1882.2	1887.6	1892.2
57.5°	1803.6	1798.4	1790.6	1788.2	1787.6	1791.6	1791.8	1790.4	1783.3	1778.4	1771.4
60°	1728.0	1722.8	1714.4	1712.2	1713.5	1718.9	1718.7	1714.0	1703.3	1694.0	1683.2
62.5°	1653.8	1651.6	1647.4	1646.7	1645.7	1646.6	1642.7	1637.8	1627.3	1617.3	1605.6
65°	1554.1	1555.2	1552.0	1552.5	1548.6	1548.0	1542.2	1537.5	1526.8	1517.7	1505.7
67.5°	1450.7	1451.5	1448.9	1448.9	1446.9	1447.2	1443.6	1439.3	1430.2	1422.9	1413.5
70°	1365.5	1367.6	1366.1	1366.6	1364.2	1363.2	1357.7	1353.4	1344.1	1338.0	1329.5
72.5°	1263.5	1268.0	1267.8	1269.0	1265.2	1263.5	1256.9	1251.5	1243.1	1238.1	1231.5
75°	1153.2	1159.2	1160.9	1163.5	1158.3	1155.5	1148.3	1144.0	1137.2	1134.3	1129.9
77.5°	1045.7	1052.3	1058.6	1064.4	1055.9	1048.4	1039.4	1032.6	1022.8	1018.9	1012.1
80°	925.0	936.6	950.5	962.2	947.0	931.7	916.9	905.8	892.8	887.5	878.9
82.5°	767.4	779.3	787.2	794.7	784.2	773.1	758.6	749.0	734.9	729.8	719.8
85°	583.0	597.9	602.6	606.5	599.8	593.9	580.4	562.1	553.3	539.4	532.2
87.5°	383.5	392.4	394.0	395.4	391.3	388.4	379.6	371.1	355.9	344.9	331.4
90°	176.7	180.9	175.6	176.1	172.6	174.8	167.7	166.5	155.8	152.7	143.4
92.5°	47.5	44.3	41.6	38.8	42.2	44.4	47.8	49.9	53.3	55.5	58.8
95°	64.4	61.2	58.0	54.8	57.4	59.9	62.5	65.1	67.5	70.1	72.7
97.5°	88.5	86.4	84.2	82.1	83.6	85.1	86.5	88.0	89.6	91.1	92.6
100°	112.9	111.2	109.5	107.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8
102.5°	182.1	174.9	167.6	160.4	165.3	170.2	175.1	180.0	185.0	189.9	195.0
105°	345.4	325.5	305.7	285.9	305.0	324.3	343.4	362.7	381.9	401.4	420.5
107.5°	628.4	597.1	565.7	534.3	569.5	604.5	639.5	674.5	709.4	744.5	779.7
110°	939.9	910.0	880.2	850.3	887.5	924.6	961.7	998.8	1036.1	1073.2	1110.6



TEST NUMBER: P1444704  
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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°	1148.3	1133.9	1119.4	1104.8	1128.7	1152.6	1176.5	1200.7	1224.7	1248.8	1272.6
115°	1202.9	1202.1	1201.3	1200.4	1211.7	1223.0	1234.3	1245.8	1257.1	1268.4	1280.1
117.5°	1137.4	1145.3	1153.4	1161.5	1165.2	1168.8	1172.6	1176.2	1180.1	1184.0	1187.8
120°	1020.0	1030.4	1041.3	1052.2	1050.7	1049.1	1047.9	1046.4	1045.3	1044.0	1043.2
122.5°	882.5	893.0	903.9	914.6	911.4	908.2	905.1	902.1	899.3	896.5	893.7
125°	754.7	763.4	772.4	781.5	778.3	775.1	772.0	769.2	766.4	763.4	761.0
127.5°	653.9	659.4	664.6	670.2	668.7	667.2	666.2	664.9	663.8	662.9	662.3
130°	585.5	587.8	590.4	592.7	593.1	593.6	594.4	595.1	596.2	597.1	598.4
132.5°	545.9	546.0	546.5	547.0	548.7	550.4	552.6	554.6	557.1	559.2	562.2
135°	523.8	523.0	522.3	521.9	524.4	526.8	529.6	532.5	535.8	539.2	542.6
137.5°	514.4	512.9	512.0	510.8	513.4	515.9	518.7	521.7	524.7	528.1	531.7
140°	511.2	510.0	509.3	508.2	510.8	513.2	516.1	518.9	522.1	525.5	528.9
142.5°	509.0	507.7	507.0	506.2	508.2	510.6	513.4	515.9	518.9	521.7	524.9
145°	512.0	511.1	510.5	509.9	511.4	513.1	515.1	517.0	519.2	521.2	523.9
147.5°	511.2	510.6	510.4	509.8	511.1	512.3	513.7	514.9	516.8	518.3	520.2
150°	508.4	507.8	507.6	507.4	508.2	508.8	509.9	510.5	511.7	512.7	514.2
152.5°	501.4	500.8	501.0	500.7	501.3	501.9	502.8	503.5	504.5	505.3	506.7
155°	496.5	496.1	495.7	495.2	495.3	495.5	495.8	496.0	496.5	496.9	497.3
157.5°	494.4	493.9	493.5	492.9	492.8	492.6	492.6	492.6	492.8	492.5	492.7
160°	492.4	491.5	490.8	490.1	490.2	490.0	490.3	490.1	490.4	490.6	490.8
162.5°	494.1	493.5	493.1	492.4	492.2	491.6	491.2	490.7	490.3	490.0	489.9
165°	495.3	494.6	493.8	492.9	492.7	492.5	492.3	492.0	492.0	491.6	491.7
167.5°	500.1	499.1	498.4	497.6	497.2	496.3	495.9	495.3	494.8	494.2	494.0
170°	502.2	501.4	500.9	500.3	499.9	499.5	499.3	498.9	498.7	498.6	498.6
172.5°	507.9	507.2	506.7	506.3	505.9	505.6	505.5	505.3	505.0	505.0	504.8
175°	511.7	511.4	511.2	511.0	510.6	510.4	510.0	509.8	509.6	509.3	509.1
177.5°	513.7	513.4	513.1	512.9	512.8	512.8	512.8	512.8	512.8	512.6	512.5
180°	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0



TEST NUMBER: P1444704  
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**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41309.5	41298.6	41270.0	41255.9	41229.4	41216.1	41195.5	41182.1	41165.5	41153.1	41146.7
5°	42454.0	42401.2	42295.3	42230.1	42115.9	42040.6	41927.0	41843.8	41726.5	41640.1	41529.3
7.5°	43943.1	43862.1	43726.4	43623.6	43463.7	43341.4	43162.0	43018.4	42820.1	42655.5	42452.9
10°	44549.4	44502.1	44441.2	44375.1	44286.5	44199.5	44077.0	43952.1	43785.7	43620.1	43403.7
12.5°	43653.3	43697.8	43785.7	43826.7	43893.9	43916.7	43947.4	43933.0	43905.8	43838.2	43740.1
15°	41115.6	41301.5	41595.3	41798.4	42083.2	42283.2	42547.8	42718.1	42914.2	43031.4	43142.8
17.5°	36941.1	37300.7	37819.1	38232.6	38787.9	39239.4	39792.5	40227.0	40728.8	41113.8	41523.5
20°	31594.2	32097.8	32813.4	33421.2	34225.7	34908.0	35782.0	36514.2	37368.3	38080.3	38848.7
22.5°	25839.5	26431.8	27251.8	27984.9	28945.6	29803.8	30898.9	31867.0	33021.6	34056.0	35200.3
25°	20410.6	20991.1	21826.4	22585.5	23622.7	24568.0	25764.4	26875.0	28214.9	29464.4	30898.9
27.5°	15755.0	16270.7	17005.0	17688.2	18638.1	19566.1	20780.3	21964.6	23394.4	24737.2	26283.1
30°	12167.3	12585.6	13174.0	13723.6	14486.2	15245.2	16326.7	17422.0	18844.7	20236.2	21821.1
32.5°	9429.3	9786.0	10277.2	10723.3	11310.9	11883.2	12679.6	13554.9	14802.8	16135.7	17668.2
35°	7299.3	7604.4	8022.5	8406.8	8890.1	9344.4	9938.7	10563.4	11515.7	12636.9	14008.4
37.5°	5819.4	5943.8	6242.2	6557.1	6958.5	7331.8	7796.7	8258.5	8939.9	9824.5	10944.9
40°	4425.6	4623.1	4866.0	5114.0	5417.9	5717.4	6227.4	6472.9	6921.6	7556.6	8426.2
42.5°	3570.9	3709.8	3880.7	4053.2	4264.9	4473.5	4731.5	4994.2	5329.6	5759.7	6378.2
45°	2988.2	3078.8	3188.9	3303.9	3442.9	3585.2	3758.0	3938.4	4165.6	4430.0	4805.6
47.5°	2598.9	2649.0	2720.9	2799.3	2894.7	2993.2	3105.5	3220.5	3361.7	3518.6	3732.4
50°	2295.0	2336.8	2392.7	2445.1	2511.0	2611.9	2656.5	2719.9	2804.9	2897.2	3016.8
52.5°	2075.2	2103.0	2138.0	2168.2	2209.8	2247.6	2297.2	2340.9	2399.7	2455.1	2532.4
55°	1903.9	1914.1	1934.0	1953.4	1982.2	2008.0	2042.0	2070.6	2108.1	2141.2	2189.9
57.5°	1771.8	1772.7	1781.8	1791.9	1810.4	1826.7	1850.1	1868.9	1894.9	1916.0	1945.3
60°	1676.7	1671.7	1673.5	1677.0	1687.5	1698.0	1712.9	1725.2	1741.6	1753.5	1769.9
62.5°	1597.6	1589.6	1587.8	1586.9	1592.1	1595.9	1604.1	1610.0	1619.4	1624.5	1633.3
65°	1497.7	1488.4	1484.7	1480.4	1482.0	1480.7	1483.7	1483.9	1488.6	1489.7	1494.8
67.5°	1407.1	1399.3	1394.5	1388.8	1386.2	1382.0	1380.2	1376.2	1375.6	1372.3	1371.5
70°	1324.5	1316.8	1312.8	1307.5	1304.7	1299.2	1295.9	1289.1	1285.2	1278.9	1275.4
72.5°	1228.9	1224.6	1223.4	1219.7	1218.7	1215.7	1214.4	1209.5	1206.8	1201.4	1198.4
75°	1128.9	1125.4	1125.1	1121.4	1121.1	1117.5	1116.5	1111.5	1108.8	1103.5	1101.3
77.5°	1009.9	1004.7	1003.2	998.9	999.9	998.1	999.7	995.8	994.2	988.8	987.1
80°	875.8	869.1	866.4	860.7	862.3	859.6	862.3	861.9	863.9	859.6	858.9
82.5°	717.0	709.7	708.3	704.4	706.9	707.2	712.9	709.8	711.0	707.0	708.7
85°	521.8	516.2	508.6	507.5	502.7	507.7	501.1	505.5	498.3	503.4	496.7
87.5°	323.5	312.2	306.2	298.1	295.0	287.2	284.0	278.3	280.0	277.4	278.9
90°	142.5	134.4	134.7	129.3	131.0	126.5	129.9	127.4	131.4	128.9	133.4
92.5°	61.0	63.8	68.9	74.4	79.2	84.3	89.4	94.9	99.7	105.2	110.0
95°	75.2	77.8	84.7	91.4	98.3	105.2	112.0	118.9	125.7	132.5	139.4
97.5°	94.1	95.6	102.5	109.3	116.1	123.0	129.7	137.0	143.8	150.6	157.5
100°	107.8	108.0	127.4	146.9	166.2	185.8	205.2	224.7	244.3	263.7	283.1
102.5°	199.9	204.8	253.9	303.0	352.1	401.2	450.4	499.7	548.8	598.0	647.3
105°	439.8	459.1	534.0	609.1	683.9	759.0	834.0	909.2	984.3	1059.4	1134.4
107.5°	814.7	849.9	917.7	985.5	1053.1	1121.1	1188.9	1256.7	1324.5	1392.4	1460.6
110°	1147.7	1185.0	1230.5	1275.9	1321.6	1366.9	1412.5	1457.9	1503.7	1549.2	1595.1



TEST NUMBER: P1444704  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL40

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	1296.6	1320.8	1347.2	1374.0	1400.5	1427.2	1453.8	1480.4	1507.4	1534.1	1560.9
115°	1291.7	1303.4	1313.5	1324.1	1334.6	1345.1	1355.7	1366.4	1377.3	1387.9	1398.6
117.5°	1191.6	1195.9	1197.4	1199.4	1201.1	1203.3	1205.2	1207.4	1209.5	1211.8	1213.6
120°	1041.9	1040.9	1039.3	1038.0	1036.5	1035.2	1034.0	1032.8	1031.8	1030.7	1029.4
122.5°	891.0	888.5	887.0	885.8	884.5	883.5	882.5	881.7	880.6	879.7	878.7
125°	758.4	756.1	757.9	759.8	761.7	763.9	765.8	768.2	770.3	772.5	774.8
127.5°	661.4	661.0	665.2	669.6	674.1	678.7	683.1	687.9	692.3	697.2	701.6
130°	599.7	601.3	606.6	612.4	617.9	623.7	629.4	635.4	640.9	646.7	652.4
132.5°	564.6	567.7	572.8	578.4	583.8	589.4	595.0	600.6	606.2	611.9	617.2
135°	546.3	550.1	555.0	560.1	565.1	570.4	575.4	580.8	585.6	590.8	595.7
137.5°	535.1	539.0	543.1	547.2	551.3	555.7	559.9	564.2	568.2	572.5	576.5
140°	532.4	536.2	538.5	541.4	543.9	546.4	548.9	551.7	554.0	556.9	559.2
142.5°	528.1	531.7	533.0	534.9	536.6	538.8	540.5	542.3	544.0	545.6	547.2
145°	526.2	529.0	529.3	530.0	530.5	531.1	531.5	532.1	532.4	532.8	533.1
147.5°	522.1	524.1	523.9	524.3	524.3	524.3	524.4	524.5	524.3	524.4	524.4
150°	515.3	516.8	516.2	516.1	515.6	515.4	514.8	514.6	514.0	513.8	513.3
152.5°	507.6	508.8	507.9	507.8	507.0	506.5	505.7	505.5	504.7	504.2	503.8
155°	497.7	498.2	497.8	497.5	497.2	496.9	496.5	496.5	496.3	495.9	495.8
157.5°	492.9	492.9	492.7	492.4	492.1	492.0	491.8	491.7	491.6	491.9	492.0
160°	490.8	491.0	490.7	490.4	490.2	489.9	489.8	489.9	489.9	490.1	490.3
162.5°	489.4	489.2	488.9	488.6	488.4	488.4	488.3	488.6	488.6	488.8	489.1
165°	491.8	492.0	491.3	491.1	490.8	490.5	490.1	490.0	490.1	490.1	490.1
167.5°	493.7	493.5	493.5	493.6	493.6	493.8	494.0	494.6	494.7	495.3	495.5
170°	498.4	498.6	498.2	498.1	498.0	497.9	497.8	497.8	497.9	498.0	497.9
172.5°	504.8	504.8	504.4	503.9	503.6	503.3	502.9	502.7	502.3	502.1	501.6
175°	508.7	508.5	508.3	508.0	507.9	507.4	507.2	506.7	506.5	506.3	506.1
177.5°	512.3	512.0	511.9	511.9	511.7	511.5	511.5	511.3	511.3	511.3	511.1
180°	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0



TEST NUMBER: P1444704  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL40

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41138.4	41137.9	41133.9	41135.8	41136.5	41139.4	41143.0	41146.7	41147.4	41150.3	41150.9
5°	41446.3	41344.5	41269.2	41186.4	41124.1	41068.2	41030.8	41001.1	40989.6	40992.6	40999.4
7.5°	42281.1	42071.0	41897.6	41700.6	41536.2	41362.2	41218.0	41080.8	40980.9	40906.4	40864.8
10°	43197.2	42941.3	42696.5	42411.3	42140.7	41852.0	41590.5	41327.2	41107.6	40917.0	40776.9
12.5°	43603.7	43422.9	43211.3	42942.1	42652.6	42319.5	41983.0	41622.4	41286.9	40975.6	40724.4
15°	43173.3	43173.6	43096.5	42967.3	42766.3	42500.0	42179.5	41803.5	41407.9	41004.1	40635.1
17.5°	41806.9	42064.7	42208.1	42298.8	42271.0	42172.9	41968.9	41680.2	41311.3	40881.2	40431.0
20°	39460.4	40068.5	40502.0	40891.9	41110.4	41255.6	41241.0	41123.6	40860.8	40495.1	40026.3
22.5°	36173.4	37194.0	37999.3	38750.3	39277.0	39705.4	39909.0	39995.5	39876.5	39621.7	39181.5
25°	32181.0	33568.7	34752.8	35902.1	36764.2	37505.1	37950.3	38264.0	38289.0	38155.8	37763.1
27.5°	27744.6	29382.6	30881.5	32408.9	33621.2	34686.3	35385.1	35896.6	36059.1	36037.7	35681.0
30°	23314.0	25033.6	26685.7	28466.7	29966.9	31327.6	32250.8	32942.6	33209.1	33260.2	32917.2
32.5°	19129.7	20825.4	22472.9	24335.0	25985.8	27545.3	28636.0	29457.7	29767.6	29840.7	29464.4
35°	15332.2	16896.6	18462.3	20266.9	21908.3	23523.2	24672.4	25532.7	25822.2	25871.0	25435.4
37.5°	12039.1	13372.0	14736.2	16355.4	17862.8	19379.4	20471.3	21279.9	21490.7	21477.7	20984.7
40°	9266.3	10302.5	11398.7	12731.8	13984.9	15267.1	16189.1	16857.5	16968.3	16886.2	16368.3
42.5°	6967.7	7716.2	8510.9	9506.0	10435.8	11395.4	12066.2	12562.4	12578.2	12448.4	11983.5
45°	5191.0	5921.2	6254.5	6856.1	7455.0	8093.1	8502.6	8809.1	8761.7	8647.5	8294.3
47.5°	3957.2	4237.8	4535.5	4908.5	5257.4	5981.4	5927.8	6419.9	6065.5	6307.2	5775.0
50°	3142.4	3299.3	3459.7	3657.6	3839.8	4029.1	4147.5	4235.7	4224.3	4186.3	4084.4
52.5°	2673.4	2722.0	2800.9	2913.5	3015.3	3117.7	3184.9	3239.7	3240.8	3225.5	3174.0
55°	2234.4	2295.9	2352.7	2426.3	2551.7	2570.9	2667.4	2647.9	2655.5	2628.8	2656.1
57.5°	1970.0	2005.9	2037.9	2081.6	2117.9	2160.1	2185.1	2209.0	2206.7	2201.6	2175.3
60°	1782.7	1802.5	1820.2	1845.8	1865.7	1889.6	1901.1	1913.3	1909.3	1900.4	1877.0
62.5°	1638.3	1650.7	1660.8	1677.3	1689.4	1704.3	1710.2	1715.4	1710.2	1701.8	1681.1
65°	1495.9	1503.8	1510.2	1522.6	1531.2	1543.9	1549.0	1553.9	1549.1	1542.6	1526.8
67.5°	1367.4	1368.1	1367.5	1372.5	1375.1	1382.8	1385.1	1388.6	1383.0	1377.4	1364.2
70°	1269.9	1267.8	1265.4	1267.4	1267.8	1271.6	1272.2	1271.6	1265.0	1255.2	1240.6
72.5°	1193.7	1192.6	1190.7	1192.4	1192.4	1195.8	1194.8	1193.1	1184.9	1175.4	1161.1
75°	1095.7	1094.9	1091.3	1091.5	1088.3	1089.4	1085.5	1083.2	1074.2	1066.2	1053.3
77.5°	981.1	979.3	973.9	972.0	966.1	963.7	956.2	952.5	943.4	936.9	925.9
80°	853.2	851.2	844.4	840.5	831.3	825.5	814.5	808.2	797.7	791.4	780.6
82.5°	705.2	706.0	699.1	694.4	681.2	671.1	656.4	648.5	636.8	630.7	619.7
85°	501.5	494.4	498.2	497.9	489.7	480.9	469.0	460.5	450.7	444.9	437.2
87.5°	275.1	276.8	274.8	273.1	267.3	262.9	253.5	248.6	241.5	237.9	232.1
90°	123.6	120.8	111.5	108.9	99.6	94.5	84.2	80.2	70.6	68.4	62.3
92.5°	104.2	98.5	93.0	86.9	81.5	75.7	70.0	64.3	58.5	56.1	54.6
95°	131.1	122.9	114.6	106.2	97.9	89.6	81.5	73.1	64.8	63.1	61.4
97.5°	147.8	138.0	128.2	118.5	108.6	98.8	89.2	79.4	69.6	68.5	67.5
100°	260.7	238.2	215.7	193.0	170.5	147.8	125.5	102.8	80.4	79.1	77.8
102.5°	592.5	537.8	483.1	428.5	373.8	319.0	264.4	209.5	154.9	146.9	139.1
105°	1051.5	968.7	886.1	803.3	720.5	637.5	554.9	471.9	389.1	362.5	335.9
107.5°	1382.8	1304.9	1227.2	1149.4	1071.5	993.9	915.9	838.0	760.1	713.3	666.5
110°	1533.2	1471.5	1410.0	1348.2	1286.6	1224.9	1163.0	1101.3	1039.5	999.1	959.0



TEST NUMBER: P1444704  
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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°	1515.8	1470.6	1425.7	1380.5	1335.3	1290.0	1245.0	1199.6	1154.3	1130.0	1105.5
115°	1371.7	1344.6	1317.5	1290.5	1263.3	1236.2	1209.1	1181.6	1154.3	1141.5	1128.8
117.5°	1200.2	1186.5	1172.9	1159.2	1145.4	1131.5	1117.8	1103.9	1090.0	1085.7	1081.3
120°	1025.9	1022.0	1017.8	1013.8	1009.8	1005.8	1001.7	997.5	993.3	994.1	994.8
122.5°	880.8	882.7	884.8	886.3	888.5	890.1	892.1	893.5	895.3	899.1	902.7
125°	779.2	783.5	787.9	792.1	796.3	800.7	805.1	809.1	813.5	817.0	821.0
127.5°	706.9	711.5	716.5	721.2	726.2	730.9	735.7	740.3	745.1	748.5	752.3
130°	656.9	661.0	665.5	669.5	673.9	678.1	682.3	686.5	690.7	693.7	696.5
132.5°	621.1	625.0	629.0	632.6	636.7	640.4	644.3	648.0	652.2	654.3	656.6
135°	598.9	601.7	604.8	607.6	610.9	613.6	616.7	619.8	623.0	624.5	626.4
137.5°	579.0	581.4	584.0	586.4	589.0	591.4	594.2	596.7	599.6	600.4	601.9
140°	561.8	564.4	566.9	569.4	572.2	574.8	577.7	580.4	583.5	584.4	585.7
142.5°	549.3	551.2	553.3	555.3	557.5	559.5	562.0	564.4	566.9	567.9	569.0
145°	535.6	537.7	540.2	542.4	544.8	547.3	550.3	553.0	555.8	556.6	557.5
147.5°	526.3	528.3	530.4	532.5	534.7	536.6	539.3	541.7	544.3	545.1	545.8
150°	515.5	517.5	519.5	521.7	524.1	526.6	529.1	531.7	534.7	535.8	536.6
152.5°	505.9	508.0	510.4	512.9	515.3	518.0	520.8	523.5	526.4	527.3	528.4
155°	498.1	500.1	502.6	505.0	507.7	510.0	512.8	515.4	518.2	519.4	520.4
157.5°	494.1	495.9	498.1	500.4	502.7	505.0	507.5	509.7	512.3	513.3	514.2
160°	492.2	494.0	496.0	498.0	500.1	502.1	504.3	506.3	508.5	509.5	510.4
162.5°	490.9	492.9	494.8	496.5	498.9	500.8	503.0	505.0	507.1	507.9	508.8
165°	491.6	493.1	494.8	496.0	497.6	498.9	500.7	502.2	503.9	504.6	505.7
167.5°	496.9	497.8	498.9	499.9	501.4	502.5	503.9	505.0	506.3	507.1	508.0
170°	499.0	499.9	500.8	502.0	503.1	504.2	505.3	506.2	507.6	508.2	509.1
172.5°	502.3	502.8	503.7	504.2	505.0	505.5	506.4	507.1	507.9	508.8	509.6
175°	506.5	506.8	507.1	507.4	507.8	508.1	508.7	509.2	509.6	510.2	510.7
177.5°	511.2	511.5	511.7	511.9	512.4	512.6	512.9	513.2	513.6	514.2	515.0
180°	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0



TEST NUMBER: P1444704  
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**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41149.5	41149.1	41147.7	41145.9	41144.1	41145.1	41146.9	41151.7	41159.9	41171.9	41187.5
5°	41005.1	41013.5	41018.2	41018.9	41014.6	41012.0	41015.9	41027.2	41050.1	41088.4	41140.1
7.5°	40853.7	40864.0	40879.9	40891.9	40894.2	40891.3	40891.9	40909.6	40951.7	41026.2	41130.7
10°	40691.9	40661.2	40677.4	40707.1	40730.6	40734.9	40737.8	40758.7	40820.2	40932.9	41100.8
12.5°	40542.6	40445.2	40426.4	40453.2	40489.0	40500.5	40497.3	40506.3	40578.4	40727.4	40961.3
15°	40346.1	40162.9	40100.4	40107.2	40151.4	40167.4	40155.7	40138.0	40208.2	40390.2	40693.0
17.5°	40028.1	39732.8	39617.7	39612.7	39664.4	39678.2	39649.7	39594.7	39663.8	39890.9	40266.8
20°	39544.7	39108.8	38892.2	38857.7	38913.9	38897.5	38840.7	38757.5	38848.4	39124.4	39571.5
22.5°	38675.8	38123.4	37753.3	37633.9	37701.1	37656.2	37573.5	37467.1	37587.9	37901.6	38399.5
25°	37255.9	36617.6	36110.8	35826.6	35880.1	35799.7	35709.6	35580.8	35724.8	36084.8	36632.9
27.5°	35168.7	34431.5	33803.5	33332.9	33350.2	33244.9	33141.1	32974.4	33154.1	33580.3	34198.4
30°	32393.4	31540.4	30775.6	30135.9	30078.7	29976.7	29870.4	29651.5	29876.4	30386.6	31109.0
32.5°	28908.0	27960.9	27077.3	26268.6	26116.0	26016.4	25921.6	25669.8	25964.3	26559.2	27389.1
35°	24832.0	23823.1	22865.1	21941.5	21688.7	21589.1	21506.3	21265.0	21632.6	22279.8	23176.1
37.5°	20358.1	19327.4	18376.3	17429.2	17072.0	16936.9	16876.8	16718.7	17142.7	17782.9	18682.9
40°	15765.1	14806.8	13954.1	13117.5	12710.3	12503.7	12472.1	12443.3	12853.3	13408.7	14225.6
42.5°	11468.5	10695.4	10037.8	9398.4	9029.5	8747.2	8747.0	8832.7	9201.7	9617.8	10247.7
45°	7933.1	7414.3	6995.3	6568.1	6682.2	6119.5	6450.2	6280.4	6462.8	6731.0	7140.7
47.5°	5453.2	5170.0	4939.9	4701.2	4527.2	4361.1	4375.6	4482.7	4654.5	4813.7	5026.8
50°	3974.5	3830.2	3713.0	3589.1	3502.4	3429.2	3433.5	3479.8	3570.1	3653.9	3765.5
52.5°	3114.3	3034.7	2971.1	2902.5	2857.1	2820.6	2822.6	2845.1	2894.0	2941.8	3005.8
55°	2566.9	2557.3	2474.5	2413.0	2389.6	2365.1	2369.5	2378.5	2411.6	2439.7	2482.0
57.5°	2151.0	2113.9	2089.1	2056.7	2041.8	2024.7	2028.5	2031.9	2054.1	2072.9	2103.4
60°	1857.4	1831.1	1813.6	1791.5	1781.7	1770.8	1773.3	1775.2	1789.5	1801.7	1823.6
62.5°	1662.3	1638.8	1623.5	1606.5	1599.6	1592.3	1594.0	1594.5	1603.4	1612.4	1629.0
65°	1512.7	1494.0	1481.3	1466.6	1459.4	1451.8	1452.6	1452.6	1460.0	1466.6	1479.0
67.5°	1354.4	1340.4	1332.2	1320.5	1315.6	1307.8	1307.7	1305.2	1310.1	1312.7	1321.1
70°	1227.5	1213.3	1202.7	1191.5	1185.4	1178.5	1178.6	1178.8	1184.5	1190.5	1201.3
72.5°	1148.9	1135.4	1126.0	1116.2	1110.4	1104.6	1103.5	1103.0	1107.1	1110.3	1117.5
75°	1045.0	1034.3	1028.7	1019.6	1014.9	1008.3	1007.3	1004.2	1006.2	1006.8	1012.2
77.5°	919.0	908.8	904.3	895.0	891.1	883.7	883.0	879.6	881.2	880.1	884.3
80°	775.3	766.0	763.5	755.9	754.1	747.1	746.1	742.0	743.2	740.0	741.5
82.5°	615.0	606.4	604.5	597.5	597.5	591.3	590.9	584.7	584.7	579.3	570.8
85°	433.2	426.9	424.3	418.5	416.8	411.8	409.1	403.2	401.0	397.2	396.0
87.5°	228.6	224.7	221.1	218.3	213.3	204.2	203.5	197.2	197.7	193.3	193.6
90°	60.9	55.3	53.9	48.7	47.1	43.3	42.0	42.4	43.6	44.1	45.4
92.5°	52.7	50.8	48.8	47.0	45.0	43.1	41.2	43.1	45.0	47.0	48.8
95°	59.7	58.0	56.2	54.5	52.8	51.2	49.5	51.2	52.8	54.6	56.3
97.5°	66.4	65.3	64.3	63.2	62.1	61.0	60.0	61.2	62.3	63.4	64.4
100°	76.5	75.3	74.0	72.7	71.5	70.1	68.9	70.4	71.7	73.0	74.2
102.5°	131.4	123.5	115.6	107.7	99.8	92.0	84.0	92.0	99.8	107.8	115.7
105°	309.1	282.7	256.0	229.4	202.6	176.0	149.4	176.2	202.8	229.6	256.3
107.5°	619.6	572.9	526.0	479.2	432.1	385.3	338.4	385.5	432.5	479.3	526.3
110°	918.5	878.0	837.8	797.4	756.8	716.5	675.9	716.6	757.1	797.7	838.2



TEST NUMBER: P1444704  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL40

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	1081.0	1056.4	1031.9	1007.4	982.7	958.2	933.5	958.5	983.3	1008.1	1032.7
115°	1116.1	1103.1	1090.3	1077.4	1064.4	1051.4	1038.2	1051.8	1065.1	1078.3	1091.6
117.5°	1076.9	1072.6	1068.0	1063.6	1058.9	1054.5	1049.8	1054.8	1059.7	1064.9	1069.5
120°	995.3	996.2	996.8	997.3	997.9	998.3	998.6	999.0	999.0	999.0	998.8
122.5°	906.3	909.9	913.4	916.9	920.3	923.7	926.8	924.3	921.5	918.9	915.8
125°	824.5	828.5	832.1	835.8	839.2	842.8	845.8	843.6	840.9	838.1	835.0
127.5°	755.7	759.1	762.4	765.9	768.9	772.0	774.8	773.0	770.6	768.3	765.6
130°	699.0	702.0	704.5	707.3	709.4	711.8	713.7	712.6	711.1	710.0	708.0
132.5°	658.7	661.0	663.2	665.2	666.8	668.7	670.0	669.7	668.9	668.1	666.8
135°	628.1	629.7	631.1	632.9	634.0	635.2	635.8	636.3	636.0	635.8	635.1
137.5°	602.8	604.0	604.9	605.7	606.3	606.8	607.0	607.8	608.3	609.0	609.0
140°	586.6	587.9	588.9	589.6	590.5	591.1	591.1	592.2	592.6	593.0	593.0
142.5°	570.2	571.2	572.2	573.1	573.7	574.3	574.5	575.4	575.9	576.2	576.3
145°	558.4	559.1	559.8	560.5	560.9	561.2	561.0	562.2	562.8	563.5	563.9
147.5°	546.6	547.5	547.9	548.5	548.8	549.0	549.0	550.0	550.7	551.3	551.9
150°	537.9	539.0	539.8	540.7	541.4	541.9	542.0	542.8	543.2	543.5	543.6
152.5°	529.3	530.2	531.0	531.7	532.5	532.8	533.1	533.8	534.5	535.0	535.1
155°	521.4	522.5	523.4	524.3	524.9	525.7	526.3	526.9	527.4	527.6	528.0
157.5°	515.1	516.1	516.9	517.8	518.5	519.4	520.0	520.8	521.2	521.9	522.1
160°	511.2	512.2	512.9	513.7	514.5	515.3	515.9	516.6	517.2	517.7	518.3
162.5°	509.6	510.5	511.0	511.9	512.7	513.4	514.0	514.8	515.4	516.0	516.5
165°	506.7	507.8	508.5	509.6	510.5	511.5	512.1	512.8	512.9	513.4	513.6
167.5°	508.8	509.9	510.5	511.5	512.1	513.2	514.0	514.5	514.6	514.9	515.1
170°	509.7	510.6	511.4	512.1	512.9	513.8	514.3	514.5	514.8	515.1	515.3
172.5°	510.2	511.2	512.0	513.1	513.7	514.6	515.4	515.5	515.4	515.3	515.1
175°	511.2	512.1	512.8	513.5	514.0	514.7	515.5	515.3	515.3	515.1	514.9
177.5°	515.8	516.8	517.6	518.2	519.0	519.6	520.4	519.8	519.4	518.7	518.1
180°	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0



TEST NUMBER: P1444704  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL40

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41209.6	41230.2	41261.7	41290.3	41333.4	41367.3	41418.3	41457.0	41514.5	41551.9	41614.4
5°	41213.2	41293.9	41399.9	41503.3	41627.7	41740.6	41881.0	42000.5	42141.5	42256.6	42400.9
7.5°	41271.5	41426.9	41613.4	41801.1	42013.5	42212.1	42436.0	42638.5	42860.0	43047.4	43252.1
10°	41314.5	41554.3	41828.9	42105.3	42396.1	42666.4	42939.2	43175.0	43395.4	43576.6	43736.8
12.5°	41256.2	41586.5	41939.0	42279.2	42602.7	42882.4	43117.1	43298.5	43423.6	43508.5	43528.4
15°	41058.1	41455.6	41838.7	42177.6	42446.0	42653.0	42760.2	42810.3	42756.5	42667.1	42470.6
17.5°	40687.9	41107.2	41449.7	41717.1	41858.9	41915.1	41826.3	41671.9	41370.2	41035.3	40551.6
20°	40009.3	40400.0	40648.4	40794.2	40756.3	40616.0	40280.9	39873.6	39271.2	38629.1	37781.9
22.5°	38819.0	39160.5	39292.9	39303.8	39072.3	38720.9	38116.5	37417.9	36467.5	35479.5	34264.4
25°	37032.3	37331.4	37352.4	37234.8	36811.2	36241.8	35354.3	34366.0	33074.5	31758.1	30235.5
27.5°	34609.2	34896.0	34825.8	34606.6	34018.3	33256.5	32120.2	30843.5	29251.4	27696.4	26012.1
30°	31563.1	31869.9	31787.5	31506.2	30806.6	29906.1	28569.1	27085.8	25318.2	23657.3	21950.5
32.5°	27917.9	28305.8	28248.8	27981.5	27251.5	26287.8	24837.1	23263.8	21455.3	19818.8	18158.4
35°	23774.6	24245.6	24269.9	24095.2	23417.4	22464.9	21032.4	19509.6	17777.4	16233.2	14699.3
37.5°	19310.7	19856.7	19968.8	19921.7	19360.0	18519.2	17214.0	15847.9	14313.3	12959.9	11648.2
40°	14822.1	15374.7	15566.5	15623.5	15208.9	14557.7	13486.4	12383.8	11132.8	10036.1	8994.5
42.5°	10728.7	11218.6	11403.9	11520.6	11261.8	10827.5	10046.1	9245.4	8328.9	7537.9	6779.5
45°	7451.3	7797.8	7938.8	8056.2	7915.2	7670.2	7176.8	6676.0	6071.0	5554.1	5064.7
47.5°	5209.6	5400.7	5493.8	5550.7	5496.1	5368.3	5099.8	4809.7	4468.2	4166.1	3875.7
50°	3861.5	3963.2	4011.8	4044.8	4005.0	3933.9	3788.6	3630.7	3443.1	3272.0	3104.8
52.5°	3060.1	3118.5	3147.3	3165.1	3142.2	3098.8	3014.2	2920.5	2808.1	2702.4	2646.9
55°	2578.0	2574.9	2641.8	2609.5	2641.8	2569.7	2554.5	2451.6	2358.2	2292.5	2221.3
57.5°	2126.0	2156.3	2169.1	2183.5	2174.2	2161.0	2125.0	2088.2	2038.9	1997.8	1953.8
60°	1840.3	1865.2	1879.3	1893.6	1892.6	1887.7	1866.9	1844.8	1814.1	1789.5	1762.9
62.5°	1643.5	1665.1	1679.0	1692.6	1693.9	1691.8	1676.1	1660.8	1639.9	1624.4	1606.0
65°	1488.6	1503.8	1513.3	1524.2	1523.6	1520.6	1506.4	1493.7	1476.4	1465.7	1452.3
67.5°	1326.6	1338.1	1345.4	1355.7	1357.7	1358.3	1350.5	1344.6	1336.1	1333.1	1328.4
70°	1211.4	1225.3	1237.1	1250.1	1257.1	1260.5	1257.1	1254.1	1249.2	1247.1	1243.5
72.5°	1124.2	1135.9	1145.1	1157.0	1163.5	1168.3	1165.7	1164.0	1159.7	1159.1	1156.6
75°	1015.9	1024.0	1029.2	1038.0	1041.6	1046.0	1044.0	1045.0	1043.7	1047.1	1046.9
77.5°	885.6	891.6	894.1	900.5	901.1	906.5	907.7	914.0	918.4	928.2	933.4
80°	739.0	742.9	742.9	749.4	752.4	761.4	765.7	775.9	780.6	789.4	790.2
82.5°	574.1	569.7	574.1	571.3	579.8	589.8	591.3	600.0	602.0	607.5	603.2
85°	392.5	392.2	388.6	389.2	386.7	387.9	386.4	388.0	386.5	386.7	382.7
87.5°	188.0	189.7	185.6	187.0	183.0	184.8	181.3	184.1	179.9	180.5	174.4
90°	46.3	47.6	48.4	49.7	51.6	55.0	58.6	62.1	66.3	69.8	73.6
92.5°	50.8	52.8	54.8	56.7	58.6	64.4	70.1	75.9	81.8	87.4	93.2
95°	58.1	59.8	61.5	63.5	65.2	73.5	81.9	90.2	98.6	106.8	115.2
97.5°	65.8	66.8	67.9	69.0	70.2	80.0	89.8	99.6	109.4	119.3	128.9
100°	75.7	77.0	78.2	79.8	81.0	103.6	126.3	148.8	171.5	193.9	216.5
102.5°	123.8	131.6	139.6	147.7	155.6	210.4	265.3	320.1	374.6	429.5	484.2
105°	282.9	309.6	336.7	363.3	390.0	472.9	556.0	638.9	721.6	804.5	887.6
107.5°	573.4	620.3	667.4	714.3	761.3	839.4	917.2	995.3	1073.4	1151.3	1228.9
110°	879.0	919.2	960.1	1000.7	1041.2	1103.0	1165.0	1226.8	1288.8	1350.5	1412.3



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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°	1057.7	1082.3	1107.0	1131.5	1156.3	1201.6	1247.3	1292.6	1338.0	1383.2	1428.5
115°	1104.7	1117.6	1130.8	1143.8	1157.0	1184.3	1211.7	1239.0	1266.5	1293.7	1321.1
117.5°	1074.4	1079.1	1083.9	1088.2	1092.9	1107.0	1121.1	1135.0	1149.1	1163.1	1177.1
120°	998.6	998.2	997.9	997.3	996.9	1001.1	1005.7	1009.8	1014.3	1018.4	1022.5
122.5°	912.9	909.5	906.4	903.0	899.8	898.0	896.6	894.8	893.5	891.7	890.2
125°	831.9	828.5	825.3	821.7	818.2	814.2	810.3	806.1	802.0	798.0	793.8
127.5°	763.1	760.0	757.2	753.9	750.8	746.1	741.6	736.9	732.4	727.6	723.1
130°	706.2	703.9	702.0	699.3	697.2	692.8	689.0	684.8	680.8	676.7	672.7
132.5°	665.7	664.1	662.6	660.6	658.9	655.1	651.8	647.9	644.2	640.5	636.9
135°	634.6	633.6	632.8	631.5	630.3	627.3	624.7	621.7	619.0	616.1	613.4
137.5°	609.1	608.6	608.3	607.8	607.3	604.8	602.6	600.1	597.9	595.4	593.1
140°	593.1	592.8	592.5	592.1	591.6	589.0	586.5	584.1	581.6	579.1	576.7
142.5°	576.3	576.1	575.9	575.4	575.1	572.9	571.3	569.3	567.3	565.4	563.6
145°	564.2	564.2	564.4	564.1	564.3	561.8	559.7	557.3	555.4	553.0	550.9
147.5°	552.4	552.4	552.8	552.8	553.0	551.1	549.4	547.4	545.8	543.8	542.2
150°	543.9	543.9	543.9	543.7	543.6	541.5	539.9	538.0	536.4	534.2	532.5
152.5°	535.4	535.6	535.8	535.8	536.0	534.2	532.4	530.4	528.5	526.4	524.6
155°	528.3	528.4	528.5	528.5	528.5	526.8	525.1	523.4	521.7	519.7	518.0
157.5°	522.5	522.7	523.0	523.2	523.4	521.9	520.3	518.9	517.4	515.7	514.2
160°	518.6	519.1	519.4	519.5	519.9	518.6	517.6	516.1	515.1	513.5	512.0
162.5°	516.9	517.4	517.7	517.8	518.1	516.9	515.9	514.6	513.4	511.7	510.4
165°	514.0	513.9	514.2	514.1	514.2	513.3	512.7	511.8	511.0	509.9	509.1
167.5°	515.3	515.3	515.5	515.4	515.5	514.9	514.8	514.0	513.4	512.7	512.0
170°	515.3	515.4	515.5	515.4	515.5	514.9	514.5	513.8	513.5	512.5	511.9
172.5°	515.1	514.8	514.7	514.6	514.4	513.9	513.6	513.2	512.9	512.5	512.0
175°	514.6	514.3	514.3	514.0	513.7	513.7	513.4	513.4	513.1	512.9	512.7
177.5°	517.8	517.4	516.7	516.1	515.7	515.5	515.4	515.3	515.3	515.1	514.9
180°	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0



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**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41653.1	41395.9	41362.0	41380.0	41423.0	41438.9	41485.3	41497.9	41544.6	41556.1	41601.0
5°	42512.6	42172.6	42189.6	42271.3	42395.1	42468.8	42590.5	42654.1	42770.2	42823.1	42928.0
7.5°	43418.9	43151.9	43235.1	43373.0	43542.2	43659.4	43805.6	43900.7	44026.6	44104.9	44205.7
10°	43863.8	43790.7	43882.4	43990.8	44087.4	44163.0	44224.9	44274.6	44307.0	44337.4	44350.8
12.5°	43525.2	43638.5	43654.1	43643.5	43579.6	43530.7	43421.0	43346.5	43214.2	43133.5	42976.1
15°	42269.9	42518.8	42381.0	42172.3	41866.9	41612.3	41252.7	40984.9	40610.5	40356.5	39980.7
17.5°	40066.9	40381.1	40021.9	39539.0	38924.6	38399.0	37744.6	37225.0	36574.3	36101.0	35493.7
20°	36965.4	37259.1	36618.3	35817.8	34867.4	34067.6	33124.4	32372.0	31495.4	30843.5	30056.7
22.5°	33103.8	33313.0	32410.4	31331.1	30120.3	29121.2	27993.4	27091.3	26091.0	25345.7	24506.8
25°	28831.7	28888.1	27805.4	26562.0	25212.6	24089.6	22885.7	21937.2	20917.1	20161.7	19338.3
27.5°	24519.8	24437.0	23266.8	21948.4	20528.9	19361.7	18187.4	17298.6	16405.2	15724.7	15015.3
30°	20450.0	20249.4	19034.4	17679.3	16301.4	15255.2	14280.4	13566.6	12855.8	12316.1	11746.6
32.5°	16717.8	16435.0	15252.2	13982.7	12821.6	12014.3	11291.4	10751.3	10177.3	9721.3	9243.5
35°	13412.1	13110.8	12063.0	10986.7	10107.9	9512.8	8944.7	8501.6	8014.2	7629.6	7214.6
37.5°	10575.1	10328.1	9450.4	8603.5	7938.8	7477.6	7012.1	6649.9	6247.2	6078.0	5634.6
40°	8163.9	7991.3	7305.0	6680.7	6181.6	5964.9	5492.4	5154.1	4853.1	4605.0	4364.5
42.5°	6368.0	6306.9	5639.0	5152.1	4800.7	4527.7	4264.4	4050.6	3842.5	3671.4	3509.8
45°	4673.1	4624.8	4328.3	4047.2	3807.7	3617.0	3439.0	3292.0	3155.9	3043.2	2940.6
47.5°	3639.0	3623.6	3452.7	3278.5	3127.6	3005.0	2889.5	2791.9	2701.6	2626.3	2601.9
50°	2959.7	2957.8	2857.5	2750.0	2642.5	2571.6	2498.0	2440.3	2382.3	2337.1	2289.4
52.5°	2514.8	2503.9	2436.3	2369.9	2306.1	2259.6	2212.4	2175.5	2137.1	2109.3	2079.6
55°	2165.0	2176.4	2137.3	2097.7	2057.7	2028.8	1995.8	1971.5	1945.1	1927.5	1909.6
57.5°	1922.0	1937.2	1916.7	1894.1	1869.8	1850.8	1828.1	1811.2	1793.6	1782.5	1772.0
60°	1745.3	1761.8	1753.5	1742.2	1727.2	1715.9	1701.4	1692.0	1680.7	1674.5	1668.6
62.5°	1595.3	1616.0	1613.1	1607.7	1598.1	1591.8	1583.8	1579.7	1572.2	1569.5	1566.7
65°	1445.7	1469.0	1468.5	1465.8	1460.5	1458.7	1453.8	1452.8	1449.0	1450.6	1450.2
67.5°	1328.0	1348.2	1352.7	1355.9	1355.7	1356.9	1356.5	1358.5	1358.5	1361.4	1363.2
70°	1243.1	1257.1	1260.5	1263.9	1264.8	1267.6	1267.6	1269.2	1268.8	1271.2	1271.6
72.5°	1157.2	1175.8	1179.2	1181.9	1181.9	1184.5	1183.1	1182.6	1179.0	1178.2	1175.6
75°	1050.5	1074.2	1079.3	1082.7	1083.2	1085.5	1082.3	1080.2	1074.2	1071.7	1067.4
77.5°	938.9	963.5	967.2	968.4	966.4	966.9	960.2	955.6	947.7	944.5	940.4
80°	793.6	829.9	832.9	830.5	824.9	823.9	817.4	813.1	803.8	800.6	797.0
82.5°	603.9	646.5	652.5	655.1	650.4	651.5	645.3	642.8	634.2	632.7	627.0
85°	381.3	423.8	430.9	429.8	425.3	424.2	420.4	421.7	421.0	423.2	424.4
87.5°	175.2	216.4	226.3	223.1	222.6	219.8	213.2	215.6	219.6	222.2	222.3
90°	77.3	93.3	96.7	94.7	88.6	86.0	80.3	78.3	73.3	71.3	66.3
92.5°	99.0	104.7	110.5	105.3	100.3	95.1	90.0	84.7	79.8	74.4	69.5
95°	123.5	131.5	139.8	133.0	126.1	119.2	112.4	105.6	98.7	91.9	85.1
97.5°	138.8	148.3	157.9	151.0	144.3	137.2	130.4	123.6	116.7	109.8	103.0
100°	239.1	261.1	283.6	264.1	244.6	225.3	205.9	186.2	166.8	147.5	127.9
102.5°	538.9	593.2	647.8	598.5	549.4	500.1	451.0	401.8	352.7	303.3	254.3
105°	970.2	1052.5	1135.1	1059.8	984.7	909.8	834.6	759.6	684.5	609.4	534.4
107.5°	1306.9	1383.7	1461.1	1393.2	1325.3	1257.5	1189.4	1121.7	1053.7	985.8	918.0
110°	1474.1	1534.5	1595.9	1550.0	1504.6	1458.7	1413.3	1367.5	1322.0	1276.6	1231.1



TEST NUMBER: P1444704  
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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°	1473.7	1517.3	1562.0	1534.9	1508.3	1481.3	1454.7	1427.8	1401.3	1374.4	1348.0
115°	1348.0	1373.2	1399.9	1388.9	1378.3	1367.5	1356.8	1346.2	1335.5	1324.8	1314.5
117.5°	1190.9	1202.2	1215.3	1213.0	1211.0	1208.7	1206.6	1204.4	1202.5	1200.5	1198.5
120°	1026.7	1028.0	1031.4	1032.4	1033.5	1034.4	1035.7	1036.8	1038.0	1039.2	1040.6
122.5°	888.3	883.6	880.8	881.7	882.7	883.4	884.5	885.3	886.3	887.4	888.6
125°	789.7	782.1	776.9	774.7	772.6	770.3	768.1	765.8	763.9	761.8	760.0
127.5°	718.3	710.1	704.4	699.8	695.2	690.5	685.9	681.3	676.8	672.1	667.8
130°	668.6	660.6	655.4	649.6	644.1	638.1	632.6	626.9	621.1	615.5	609.8
132.5°	633.2	625.2	620.5	615.2	609.8	604.1	598.8	593.1	587.6	581.9	576.7
135°	610.4	603.2	599.4	594.2	589.6	584.4	579.3	574.3	569.3	564.1	559.5
137.5°	590.6	583.5	580.3	576.1	572.3	568.2	564.4	560.0	556.0	551.5	547.7
140°	574.2	566.7	563.1	560.8	558.6	556.0	553.7	551.1	548.8	546.3	543.7
142.5°	561.6	554.4	551.3	549.7	548.4	546.6	545.4	543.7	542.2	540.0	538.5
145°	548.8	540.7	537.4	536.9	536.9	536.5	536.2	535.8	535.6	535.0	534.7
147.5°	540.2	531.9	528.7	528.9	529.1	529.0	529.3	529.2	529.5	529.4	529.6
150°	530.5	521.2	517.4	518.0	518.3	518.9	519.4	519.8	520.5	521.0	521.4
152.5°	522.5	511.4	507.1	507.7	508.5	508.9	509.6	510.4	511.2	511.9	512.5
155°	515.9	503.9	499.3	499.3	499.6	499.8	500.1	500.6	501.0	501.4	502.0
157.5°	512.5	499.9	495.5	495.1	495.2	495.2	495.3	495.5	495.7	495.9	496.5
160°	510.6	498.1	493.8	493.4	493.5	493.3	493.3	493.3	493.6	493.8	494.2
162.5°	508.9	496.7	492.6	492.2	491.9	491.8	491.8	491.6	491.8	491.8	492.3
165°	507.9	497.3	493.5	493.3	493.5	493.4	493.5	493.7	494.0	494.1	494.6
167.5°	511.1	501.6	498.7	498.2	497.8	497.3	497.3	496.7	496.7	496.4	496.4
170°	511.1	503.6	501.0	500.8	501.1	501.0	500.8	501.0	501.0	500.9	501.2
172.5°	511.5	506.1	504.0	504.4	504.8	505.0	505.5	505.7	506.2	506.5	507.0
175°	512.5	509.1	508.3	508.2	508.5	508.7	508.9	509.1	509.4	509.6	510.1
177.5°	514.9	513.8	513.4	513.4	513.4	513.4	513.4	513.4	513.4	513.6	513.6
180°	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0



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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°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41609.3	41657.8	41654.2	41699.5	41697.2	41739.9	41731.3	41768.1	41759.8	41791.3	41772.8
5°	42974.2	43066.5	43096.9	43180.2	43197.4	43272.0	43273.5	43332.7	43325.6	43371.9	43347.2
7.5°	44265.4	44351.5	44392.4	44457.1	44489.4	44542.9	44563.9	44607.9	44618.5	44644.6	44643.8
10°	44374.3	44374.0	44394.2	44385.2	44403.2	44392.8	44414.8	44406.9	44439.5	44431.0	44455.7
12.5°	42908.2	42762.7	42709.5	42578.8	42550.2	42438.1	42446.0	42374.1	42408.9	42364.7	42439.9
15°	39757.1	39419.5	39252.8	38959.4	38867.2	38635.3	38616.4	38462.4	38504.0	38423.3	38541.1
17.5°	35100.8	34569.3	34277.8	33849.1	33679.0	33350.9	33285.1	33086.8	33117.6	33017.7	33160.0
20°	29549.2	28907.0	28539.1	28043.5	27822.4	27431.3	27327.6	27105.7	27133.5	27034.0	27195.1
22.5°	23934.2	23262.0	22846.8	22327.2	22044.9	21677.1	21566.7	21343.9	21356.5	21263.2	21418.0
25°	18774.3	18129.8	17726.7	17254.9	17009.9	16672.6	16556.7	16356.5	16367.8	16290.8	16429.8
27.5°	14523.3	13994.5	13657.2	13261.7	13042.1	12764.9	12651.8	12483.4	12483.0	12426.5	12542.6
30°	11349.1	10907.9	10605.0	10260.6	10054.4	9804.1	9694.9	9544.4	9537.8	9497.7	9590.0
32.5°	8886.1	8493.6	8217.5	7914.3	7729.1	7514.4	7411.1	7290.1	7279.0	7242.7	7318.5
35°	6907.8	6577.2	6339.8	6084.6	6103.4	5786.6	5839.3	5593.2	5526.5	5512.0	5568.3
37.5°	5338.9	5083.0	4890.0	4698.9	4569.4	4435.6	4363.5	4298.8	4291.4	4285.1	4324.6
40°	4178.9	3999.8	3859.4	3728.3	3639.2	3557.5	3512.4	3477.0	3468.5	3463.8	3487.7
42.5°	3382.2	3261.3	3170.9	3090.8	3036.7	2992.4	2967.6	2947.8	2941.2	2941.4	2955.5
45°	2857.5	2784.2	2725.9	2676.2	2641.6	2656.8	2612.1	2635.5	2604.6	2636.6	2615.5
47.5°	2516.5	2454.0	2417.9	2382.7	2361.8	2344.9	2345.6	2345.8	2352.4	2353.5	2360.4
50°	2253.2	2217.2	2192.0	2169.6	2158.7	2149.9	2152.9	2155.2	2161.6	2162.1	2167.2
52.5°	2058.5	2034.7	2019.6	2005.7	2000.8	1995.8	1997.9	1997.0	1999.9	1998.4	2002.5
55°	1900.0	1888.8	1884.0	1878.9	1879.6	1878.3	1879.1	1874.1	1871.0	1867.2	1870.8
57.5°	1769.9	1768.4	1771.6	1773.7	1779.7	1781.8	1783.3	1777.4	1771.9	1766.9	1769.7
60°	1669.6	1672.1	1680.1	1686.5	1695.1	1699.0	1701.5	1698.2	1694.1	1690.0	1692.5
62.5°	1570.8	1574.6	1584.2	1591.3	1601.7	1607.1	1613.1	1613.4	1614.9	1613.4	1615.0
65°	1456.0	1460.8	1469.4	1475.4	1485.0	1489.7	1495.9	1496.9	1500.3	1499.5	1502.5
67.5°	1368.9	1373.2	1380.4	1386.0	1394.5	1399.4	1404.8	1405.1	1406.3	1406.0	1408.8
70°	1275.8	1278.0	1284.4	1289.1	1297.7	1302.8	1308.9	1310.7	1314.5	1315.1	1318.2
72.5°	1176.7	1175.8	1179.6	1181.7	1188.2	1192.2	1199.9	1204.2	1210.6	1212.3	1214.6
75°	1068.7	1067.8	1072.3	1074.2	1079.7	1083.6	1092.4	1098.1	1108.0	1112.1	1111.1
77.5°	943.6	945.8	954.3	959.0	966.4	971.5	982.8	991.8	1010.0	1018.0	1009.9
80°	803.8	806.0	814.9	819.4	829.0	835.2	847.8	858.4	874.7	878.3	873.7
82.5°	631.9	632.5	640.6	643.8	656.4	665.4	681.5	689.9	700.1	698.5	697.3
85°	430.9	436.7	446.6	456.6	471.9	486.6	501.7	514.3	505.4	519.4	503.8
87.5°	230.3	229.6	243.1	241.0	262.4	274.8	287.9	294.3	301.3	299.9	300.0
90°	64.9	61.4	61.4	57.6	58.6	54.5	56.6	52.8	55.7	51.0	58.2
92.5°	64.2	61.6	58.6	56.1	53.1	50.4	47.5	44.7	42.0	39.2	42.0
95°	78.2	75.7	73.2	70.4	67.8	65.3	62.7	60.2	57.7	55.1	58.3
97.5°	96.2	94.6	93.1	91.7	90.2	88.7	87.2	85.7	84.0	82.5	84.7
100°	108.5	108.5	108.5	108.5	108.2	108.2	108.2	108.2	108.2	108.2	109.9
102.5°	205.1	200.1	195.2	190.2	185.3	180.3	175.4	170.5	165.6	160.7	167.9
105°	459.4	440.2	420.9	401.7	382.3	363.1	343.9	324.7	305.5	286.3	306.2
107.5°	850.3	815.2	780.1	745.1	709.9	674.9	639.9	604.9	570.0	535.0	566.3
110°	1185.5	1148.2	1111.0	1073.8	1036.6	999.2	962.2	925.0	887.9	850.8	880.6



TEST NUMBER: P1444704  
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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°	1321.5	1297.1	1273.1	1249.0	1225.0	1201.0	1177.0	1153.1	1129.3	1105.4	1119.9
115°	1303.8	1292.3	1280.7	1269.2	1257.8	1246.3	1234.8	1223.4	1212.1	1200.8	1201.7
117.5°	1196.6	1192.5	1188.6	1184.7	1180.8	1176.9	1173.2	1169.6	1165.8	1162.3	1154.2
120°	1042.1	1043.0	1043.9	1045.0	1046.2	1047.6	1048.7	1050.1	1051.6	1053.1	1042.3
122.5°	889.9	892.3	894.9	897.6	900.4	903.3	906.2	909.4	912.6	915.8	905.0
125°	757.8	760.2	762.7	765.3	767.7	770.8	773.7	776.9	779.9	783.3	774.1
127.5°	663.4	664.0	664.4	665.2	665.9	667.2	668.4	669.7	671.2	672.8	667.0
130°	604.2	602.8	601.3	600.2	598.8	598.0	597.3	596.6	596.0	595.7	593.3
132.5°	571.0	568.3	565.5	562.8	560.3	558.2	555.9	554.1	552.3	550.7	550.0
135°	554.1	550.5	546.8	543.3	539.9	537.0	533.8	531.3	528.5	526.1	526.8
137.5°	543.6	540.0	536.4	533.0	529.5	526.7	523.5	520.8	518.3	515.8	516.9
140°	541.3	537.6	534.0	530.7	527.5	524.4	521.4	518.9	516.0	513.9	514.5
142.5°	536.8	533.9	530.4	527.5	524.4	521.7	519.1	516.8	514.0	512.1	512.9
145°	534.1	531.9	529.4	527.0	524.9	523.0	520.7	519.1	517.4	516.1	516.5
147.5°	529.4	527.9	525.8	524.3	522.4	521.0	519.5	518.4	517.0	516.1	516.2
150°	521.9	520.8	519.5	518.5	517.4	516.5	515.5	514.8	514.0	513.4	513.4
152.5°	513.2	512.3	511.2	510.4	509.4	508.7	507.9	507.2	506.6	506.1	506.0
155°	502.4	502.0	501.5	501.3	500.8	500.8	500.4	500.6	500.2	500.2	500.4
157.5°	496.7	496.8	496.5	496.8	496.7	496.9	496.7	497.2	497.1	497.5	497.8
160°	494.7	494.6	494.3	494.4	494.2	494.1	494.1	494.2	494.2	494.2	494.8
162.5°	492.4	492.9	493.1	493.3	493.9	494.1	494.6	495.2	495.6	496.1	496.6
165°	495.0	495.0	494.9	494.8	495.2	495.2	495.3	495.7	495.8	496.3	496.9
167.5°	496.3	496.5	496.7	497.0	497.3	497.9	498.2	498.9	499.5	500.3	500.7
170°	501.0	501.0	501.0	501.0	501.0	501.4	501.4	501.6	501.8	502.2	502.6
172.5°	507.3	507.3	507.0	507.3	507.0	507.3	507.3	507.4	507.4	507.6	507.8
175°	510.0	510.4	510.7	511.1	511.1	511.3	511.5	511.7	512.0	512.3	512.3
177.5°	513.6	513.7	513.7	513.7	513.7	513.8	513.8	513.8	513.8	513.7	513.8
180°	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0



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**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41803.5	41782.6	41804.0	41782.2	41804.0	41777.9	41795.6	41767.4	41774.6	41745.4	41752.9
5°	43384.1	43350.8	43368.5	43325.2	43329.9	43272.0	43271.0	43203.6	43185.9	43109.2	43075.5
7.5°	44662.3	44651.4	44657.6	44629.7	44626.5	44587.0	44568.2	44512.5	44477.5	44406.9	44358.7
10°	44460.0	44492.6	44501.0	44534.2	44541.1	44574.0	44580.8	44613.7	44620.7	44645.0	44645.3
12.5°	42436.4	42547.0	42573.5	42710.2	42767.6	42924.0	43007.9	43180.2	43282.5	43454.4	43560.0
15°	38537.9	38729.4	38805.7	39072.5	39220.2	39531.7	39727.4	40085.2	40337.7	40717.6	40988.6
17.5°	33172.5	33440.0	33560.7	33922.6	34158.7	34618.4	34949.9	35495.4	35913.0	36519.2	36999.7
20°	27222.6	27519.9	27683.8	28096.6	28375.2	28912.5	29326.2	29996.5	30555.6	31323.6	31980.6
22.5°	21466.6	21749.5	21931.4	22351.4	22665.1	23225.4	23687.8	24395.4	25021.7	25887.2	26674.8
25°	16482.2	16741.5	16906.0	17285.9	17580.5	18095.4	18536.9	19217.4	19830.3	20698.4	21506.0
27.5°	12600.5	12817.6	12976.1	13300.1	13559.8	13996.6	14375.9	14938.3	15466.3	16217.4	16936.5
30°	9646.8	9839.2	9993.4	10275.6	10516.4	10895.0	11228.5	11700.9	12137.9	12735.6	13307.7
32.5°	7371.7	7537.4	7674.8	7921.8	8140.3	8481.2	8781.7	9195.8	9570.8	10077.7	10548.4
35°	5620.6	5946.8	5923.6	6264.2	6319.0	6563.7	6831.7	7193.7	7525.9	7957.0	8357.5
37.5°	4362.6	4454.2	4552.5	4703.0	4861.3	5083.9	5310.3	5752.7	5914.8	6240.6	6572.2
40°	3518.0	3579.9	3644.8	3746.5	3857.3	4014.1	4179.1	4390.1	4606.3	4870.4	5140.2
42.5°	2974.1	3009.2	3050.5	3110.3	3178.5	3278.0	3388.3	3531.4	3681.8	3867.7	4057.4
45°	2657.2	2640.5	2652.8	2684.9	2726.1	2786.5	2856.1	2944.8	3042.7	3163.1	3291.3
47.5°	2361.8	2368.5	2372.1	2389.6	2411.6	2452.1	2494.4	2554.5	2670.7	2706.0	2776.0
50°	2166.6	2169.9	2168.8	2177.7	2188.8	2215.2	2242.6	2283.3	2324.0	2377.8	2429.2
52.5°	2003.1	2007.6	2007.1	2012.9	2018.9	2035.5	2052.8	2081.6	2108.3	2142.5	2172.1
55°	1874.0	1880.2	1882.7	1887.6	1890.5	1899.2	1906.1	1919.9	1931.2	1950.6	1968.5
57.5°	1774.6	1783.3	1787.2	1788.9	1785.4	1784.9	1782.6	1785.5	1787.8	1798.2	1808.3
60°	1696.5	1703.3	1704.4	1703.3	1696.9	1692.4	1685.0	1682.6	1681.5	1686.5	1692.0
62.5°	1614.6	1617.1	1615.4	1613.4	1606.0	1601.6	1594.0	1591.2	1588.5	1592.1	1595.1
65°	1501.4	1503.5	1501.4	1500.1	1493.5	1490.1	1483.7	1481.4	1477.8	1478.8	1478.1
67.5°	1409.4	1411.6	1409.9	1408.2	1403.6	1401.4	1396.7	1393.7	1389.2	1387.5	1384.5
70°	1317.7	1319.4	1316.8	1315.1	1310.0	1307.9	1303.6	1302.6	1299.1	1298.3	1294.8
72.5°	1212.3	1212.5	1208.8	1207.8	1203.9	1203.8	1201.9	1203.6	1203.5	1205.3	1204.6
75°	1104.5	1103.0	1098.3	1097.5	1094.7	1096.0	1094.1	1096.6	1097.0	1100.9	1101.4
77.5°	996.4	990.8	982.0	977.9	972.1	971.3	968.0	970.3	969.5	974.1	975.9
80°	859.9	853.1	841.9	836.5	829.7	828.6	825.5	828.6	827.1	832.4	836.2
82.5°	686.5	680.6	669.0	664.7	656.8	657.5	654.1	657.5	657.0	665.0	669.6
85°	507.9	503.9	491.9	481.4	469.6	462.7	456.0	454.7	452.8	456.0	458.8
87.5°	293.4	289.6	280.4	274.2	253.5	254.4	246.3	245.9	243.9	242.0	246.3
90°	57.4	63.5	63.0	68.7	68.9	75.3	75.8	82.0	82.0	88.1	89.0
92.5°	44.7	47.5	50.3	53.1	55.9	58.6	61.4	64.2	70.1	75.7	82.1
95°	61.5	64.7	67.9	71.0	74.2	77.4	80.6	83.9	92.6	101.3	110.1
97.5°	87.0	88.9	91.1	93.2	95.4	97.5	99.6	101.8	111.3	120.7	130.1
100°	111.6	113.3	115.0	116.7	118.4	120.1	121.8	123.5	142.0	160.0	178.2
102.5°	175.2	182.4	189.7	196.9	204.4	211.6	219.0	226.2	268.0	309.6	351.2
105°	326.0	345.9	365.9	385.7	405.6	425.4	445.3	465.2	531.9	598.5	665.3
107.5°	597.7	629.1	660.4	691.9	723.2	754.8	786.2	817.6	882.7	947.8	1012.9
110°	910.5	940.5	970.4	1000.5	1030.3	1060.4	1090.3	1120.5	1159.6	1198.7	1237.7



TEST NUMBER: P1444704  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL40

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	1134.5	1148.9	1163.6	1178.4	1193.0	1207.8	1222.5	1237.3	1257.0	1276.5	1296.2
115°	1202.7	1203.6	1204.6	1205.7	1206.8	1207.9	1209.3	1210.4	1216.9	1223.0	1229.4
117.5°	1146.2	1138.3	1130.4	1122.6	1114.8	1107.2	1099.7	1092.1	1091.0	1090.0	1089.2
120°	1031.9	1021.1	1010.6	999.8	989.4	979.1	968.9	958.9	953.8	948.7	943.8
122.5°	894.4	883.8	873.4	862.9	852.6	842.6	832.6	822.6	819.2	815.8	812.5
125°	765.3	756.6	747.8	739.3	731.0	722.7	714.6	706.5	706.7	706.7	707.1
127.5°	661.8	656.5	651.3	646.3	641.6	636.7	632.3	627.5	630.3	633.1	635.8
130°	591.0	588.9	587.0	584.8	583.3	581.6	580.1	578.6	583.3	587.4	592.2
132.5°	550.0	549.7	549.8	549.8	550.3	550.6	551.3	551.7	556.9	561.8	566.9
135°	527.5	528.3	529.6	530.7	532.4	533.6	535.4	536.8	541.9	546.4	551.6
137.5°	518.1	519.4	521.0	522.6	524.5	526.2	528.4	530.2	534.2	538.2	542.1
140°	515.7	516.5	518.0	519.4	520.9	522.3	524.3	525.9	529.3	532.3	535.4
142.5°	514.1	514.8	516.1	517.5	519.0	520.3	522.0	523.4	525.9	528.1	530.9
145°	517.4	518.0	519.2	520.0	521.2	522.3	523.6	524.7	526.4	527.8	529.5
147.5°	516.9	517.3	518.1	518.9	519.8	520.6	521.3	522.1	523.4	524.3	525.5
150°	513.7	514.0	514.5	514.6	515.3	516.0	516.6	517.0	518.0	518.9	520.0
152.5°	506.5	506.6	507.0	507.2	507.8	508.2	508.6	509.1	510.1	510.8	511.8
155°	500.8	501.4	502.1	502.5	503.3	503.6	504.4	504.8	505.6	506.2	507.0
157.5°	498.4	498.7	499.5	499.8	500.6	501.0	501.6	502.1	502.9	503.3	503.9
160°	495.6	496.4	497.0	497.9	498.7	499.3	500.2	501.0	501.6	502.1	502.7
162.5°	497.2	497.8	498.4	498.9	499.5	500.1	500.6	501.2	502.2	502.7	503.7
165°	497.8	498.4	499.3	499.9	500.8	501.6	502.3	503.1	503.6	504.2	504.7
167.5°	501.6	502.1	503.1	503.8	504.7	505.3	506.2	506.8	507.4	507.7	508.3
170°	503.3	503.9	504.7	505.3	506.0	506.5	507.4	507.9	508.7	509.2	510.0
172.5°	508.3	508.8	509.4	509.7	510.3	511.0	511.5	511.9	512.5	513.0	513.6
175°	512.3	512.3	512.5	512.7	512.8	512.8	512.9	513.2	513.4	513.6	513.7
177.5°	514.1	514.3	514.5	514.7	514.9	515.1	515.3	515.5	515.5	515.5	515.5
180°	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0



TEST NUMBER: P1444704  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL40

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41723.7	41725.5	41691.9	41690.0	41658.4	41654.5	41623.8	41614.4	41589.5	41580.5	41555.1
5°	42989.5	42948.5	42853.8	42798.1	42704.5	42642.5	42541.2	42475.1	42377.3	42303.5	42205.2
7.5°	44269.8	44206.1	44099.8	44013.6	43883.7	43780.0	43628.0	43503.5	43338.9	43196.4	43023.5
10°	44645.3	44635.5	44608.4	44568.9	44508.5	44440.6	44337.1	44229.3	44084.9	43928.3	43736.0
12.5°	43721.4	43821.1	43957.2	44037.9	44135.9	44178.9	44219.1	44209.1	44182.6	44103.3	43992.2
15°	41381.0	41661.4	42032.6	42320.3	42651.3	42891.8	43157.4	43322.9	43488.0	43564.2	43610.9
17.5°	37658.1	38188.9	38854.5	39406.1	40042.5	40553.7	41114.0	41535.9	41969.7	42280.5	42561.5
20°	32876.0	33645.1	34586.4	35418.0	36385.0	37225.4	38146.2	38902.2	39681.8	40291.4	40868.4
22.5°	27688.9	28602.3	29740.4	30794.7	32041.3	33161.6	34425.7	35525.9	36674.6	37634.2	38562.1
25°	22588.4	23590.1	24834.5	26010.8	27422.6	28725.8	30224.9	31596.1	33080.7	34369.7	35643.1
27.5°	17930.9	18914.3	20184.7	21436.9	22929.8	24318.4	25924.6	27435.2	29125.7	30684.7	32279.4
30°	14102.8	14936.8	16076.1	17288.8	18761.2	20174.3	21798.0	23351.7	25110.3	26812.3	28608.6
32.5°	11173.2	11808.7	12704.3	13729.7	15088.3	16433.5	17979.5	19479.3	21211.2	22930.5	24798.7
35°	8873.5	9369.2	10052.1	10852.3	12002.8	13162.4	14529.8	15893.8	17509.5	19141.0	20956.8
37.5°	6997.3	7399.4	7934.2	8535.4	9458.2	10409.8	11531.1	12661.8	14065.7	15512.1	17157.7
40°	5464.1	5789.7	6206.1	6654.4	7351.2	8084.4	8951.6	9828.5	10956.4	12138.4	13500.4
42.5°	4292.4	4532.7	4826.8	5154.4	5804.5	6193.9	6781.8	7416.1	8245.3	9103.3	10127.4
45°	3447.2	3611.1	3815.1	4034.8	4336.6	4666.7	5069.5	5491.8	6279.5	6665.9	7288.6
47.5°	2878.8	2988.8	3118.5	3257.0	3435.0	3627.0	3865.9	4110.1	4425.9	4753.2	5137.0
50°	2496.0	2607.8	2652.3	2724.1	2827.1	2936.7	3071.4	3206.1	3375.5	3547.2	3744.7
52.5°	2211.8	2248.3	2296.7	2342.4	2406.2	2531.0	2571.4	2641.8	2736.8	2829.6	2933.5
55°	1994.8	2018.5	2050.1	2077.6	2116.2	2153.1	2206.3	2253.2	2316.4	2372.5	2441.4
57.5°	1825.9	1841.1	1862.9	1881.0	1906.0	1926.7	1957.9	1983.3	2019.8	2051.5	2093.2
60°	1703.2	1713.3	1728.0	1739.8	1755.6	1766.5	1782.0	1794.0	1813.2	1829.2	1852.5
62.5°	1603.0	1608.1	1617.8	1624.7	1634.8	1640.3	1648.6	1653.8	1664.3	1672.4	1685.4
65°	1482.7	1483.9	1490.3	1493.3	1501.2	1504.2	1510.8	1513.3	1522.1	1527.9	1539.4
67.5°	1384.1	1381.4	1381.5	1379.3	1380.4	1378.1	1378.7	1376.2	1379.8	1381.5	1390.3
70°	1294.2	1290.4	1289.1	1285.0	1283.8	1279.5	1278.3	1274.4	1274.0	1272.7	1275.8
72.5°	1206.5	1205.4	1205.7	1202.9	1202.5	1199.7	1199.7	1198.0	1199.9	1200.8	1204.8
75°	1105.6	1106.0	1108.0	1105.4	1106.2	1103.7	1104.6	1102.3	1103.5	1103.1	1107.1
77.5°	982.9	985.9	991.2	990.1	991.8	989.1	990.3	987.1	988.0	985.9	987.4
80°	845.0	851.0	858.3	858.0	861.0	859.1	861.7	858.7	859.9	856.3	855.3
82.5°	681.1	686.3	693.9	694.2	701.0	702.2	709.7	709.3	714.1	711.0	708.9
85°	465.6	469.1	475.9	479.5	486.5	490.8	497.9	500.8	495.7	505.1	497.6
87.5°	243.1	252.2	247.1	258.9	256.1	268.1	265.5	276.5	274.4	283.8	282.6
90°	96.9	98.5	106.6	108.6	118.3	121.2	125.1	121.5	125.2	121.8	125.6
92.5°	87.7	94.1	100.1	106.0	112.0	118.2	112.5	106.9	101.3	96.0	90.3
95°	118.8	127.6	136.3	145.1	153.8	162.5	153.2	143.9	134.6	125.2	115.8
97.5°	139.5	148.9	158.3	167.6	177.2	186.5	175.4	164.3	153.2	142.3	131.2
100°	196.3	214.7	232.8	250.9	269.2	287.4	266.8	246.0	225.5	204.9	184.1
102.5°	393.1	434.6	476.4	518.2	559.8	601.5	557.8	514.1	470.1	426.3	382.4
105°	732.1	798.8	865.6	932.2	999.0	1066.0	994.9	923.8	852.6	781.7	710.5
107.5°	1078.1	1143.0	1208.4	1273.3	1338.6	1403.9	1331.8	1259.7	1187.8	1115.6	1043.5
110°	1277.1	1316.2	1355.5	1394.7	1433.9	1473.4	1420.7	1368.3	1315.8	1263.1	1210.4



TEST NUMBER: P1444704  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL40

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	1315.8	1335.7	1355.2	1375.2	1394.9	1414.7	1377.3	1339.8	1302.1	1264.8	1227.1
115°	1236.0	1242.3	1248.8	1255.4	1261.8	1268.3	1243.1	1217.9	1192.7	1167.5	1142.0
117.5°	1088.2	1087.5	1086.5	1085.9	1084.9	1084.1	1070.1	1056.2	1042.0	1027.9	1013.8
120°	938.8	933.8	928.9	924.0	918.9	913.9	908.2	902.5	896.5	890.6	884.6
122.5°	809.2	806.0	802.6	799.4	795.8	792.4	790.3	788.4	786.2	784.1	781.7
125°	707.3	707.5	707.7	707.9	707.9	708.1	707.0	706.2	705.2	704.4	703.2
127.5°	638.3	641.2	643.7	646.3	648.7	651.3	651.2	651.3	651.2	651.2	651.0
130°	596.4	601.1	605.3	609.5	613.5	618.1	617.5	617.2	616.8	616.4	616.0
132.5°	572.0	576.9	581.8	587.0	591.6	596.5	595.9	595.5	594.7	594.4	593.7
135°	556.2	561.0	565.4	570.5	574.8	579.4	578.5	577.8	576.8	576.3	575.4
137.5°	545.7	549.8	553.5	557.2	560.7	564.5	563.5	562.8	561.8	561.2	560.3
140°	538.3	541.5	544.4	547.5	550.4	553.4	552.1	551.1	549.8	548.8	547.5
142.5°	533.0	535.4	537.4	539.9	542.0	544.3	542.3	540.7	539.1	537.4	535.8
145°	531.0	532.8	534.2	535.8	536.8	538.5	536.4	534.5	532.2	530.4	528.2
147.5°	526.4	527.6	528.3	529.3	529.9	531.0	528.9	527.0	525.1	522.9	520.9
150°	520.6	521.8	522.5	523.2	524.0	524.9	522.7	520.6	518.3	516.1	514.1
152.5°	512.6	513.4	514.2	514.8	515.5	516.1	514.0	512.2	510.0	507.9	505.7
155°	507.2	508.0	508.3	508.9	509.1	509.6	507.6	506.2	504.4	502.7	500.7
157.5°	504.4	505.0	505.5	505.7	506.1	506.5	505.2	503.9	502.5	501.4	499.8
160°	503.1	503.6	504.0	504.4	504.8	505.0	503.9	503.0	501.9	500.6	499.3
162.5°	504.2	505.0	505.5	506.1	506.8	507.2	505.9	504.7	503.4	502.1	500.6
165°	505.2	505.6	506.1	506.5	506.7	507.1	506.3	505.5	504.4	503.7	502.7
167.5°	508.7	509.3	509.6	510.0	510.2	510.4	509.6	508.9	507.9	507.0	505.9
170°	510.4	510.9	511.6	512.0	512.5	512.8	512.2	511.6	510.7	510.0	509.1
172.5°	514.0	514.6	514.8	515.3	515.5	516.0	515.3	514.5	513.7	512.9	512.0
175°	513.7	513.8	514.2	514.2	514.2	514.4	513.7	513.1	512.5	511.9	511.2
177.5°	515.5	515.5	515.5	515.4	515.4	515.4	515.0	514.5	514.2	513.7	513.1
180°	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0



TEST NUMBER: P1444704  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL40

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7	41286.7
2.5°	41546.0	41528.0	41516.3	41501.5	41492.4	41481.0	41472.6	41465.3	41459.5	41454.2	41450.2
5°	42130.2	42037.4	41965.3	41887.2	41823.1	41759.1	41709.9	41669.0	41640.9	41619.8	41607.2
7.5°	42874.0	42704.0	42552.9	42393.7	42251.1	42110.8	41989.9	41885.7	41807.5	41756.8	41726.1
10°	43538.2	43310.7	43085.6	42848.7	42624.2	42406.3	42205.2	42028.3	41888.3	41795.2	41741.0
12.5°	43836.0	43642.1	43412.3	43155.1	42879.8	42601.4	42329.9	42085.0	41879.5	41741.7	41662.2
15°	43573.8	43494.2	43338.2	43138.5	42877.3	42589.4	42270.7	41971.1	41695.5	41516.8	41413.2
17.5°	42720.7	42831.8	42819.9	42743.5	42555.7	42313.3	41988.5	41652.0	41307.3	41068.4	40938.0
20°	41281.1	41630.3	41807.5	41898.4	41824.6	41667.5	41373.4	41031.9	40630.1	40318.3	40127.9
22.5°	39258.2	39874.6	40258.8	40540.0	40599.6	40546.0	40286.4	39961.5	39513.6	39138.8	38857.7
25°	36653.9	37557.1	38164.3	38640.2	38825.2	38872.8	38651.9	38328.9	37829.7	37392.9	37006.9
27.5°	33586.4	34760.0	35570.7	36210.3	36499.0	36624.2	36420.9	36091.2	35500.6	34979.3	34475.0
30°	30133.1	31525.5	32501.5	33268.5	33620.4	33785.8	33569.7	33201.9	32514.6	31887.2	31251.9
32.5°	26436.9	27960.6	29024.1	29857.0	30205.7	30361.4	30078.7	29665.6	28871.1	28132.1	27391.2
35°	22567.0	24105.0	25177.5	25988.2	26280.5	26374.2	26012.9	25535.3	24655.1	23844.0	23036.1
37.5°	18618.3	20049.2	21024.0	21751.6	21932.5	21948.7	21513.2	20985.8	20060.6	19260.8	18456.7
40°	14703.8	15910.5	16697.5	17279.9	17342.6	17286.7	16813.2	16282.5	15417.0	14700.4	13994.5
42.5°	11016.5	11927.4	12489.0	12888.0	12864.3	12753.6	12319.6	11863.3	11149.3	10603.5	10048.0
45°	7857.5	8458.1	8786.5	9020.0	8945.0	8839.6	8501.7	8181.9	7696.7	7344.1	6970.8
47.5°	5458.8	6176.0	6051.1	6507.6	6114.3	6374.1	5833.0	5534.8	5277.2	5090.0	4879.0
50°	3908.0	4072.3	4151.7	4205.9	4177.1	4137.2	4040.0	3953.1	3835.5	3749.7	3649.8
52.5°	3018.0	3100.2	3145.2	3177.8	3171.4	3156.9	3114.4	3075.7	3020.6	2984.3	2940.6
55°	2556.4	2557.7	2640.4	2604.9	2657.4	2595.9	2620.0	2552.0	2563.0	2504.5	2465.2
57.5°	2124.3	2158.0	2173.1	2187.7	2183.6	2181.1	2164.7	2156.4	2137.9	2132.2	2119.0
60°	1868.6	1886.2	1889.8	1896.6	1890.9	1888.8	1875.9	1871.4	1858.9	1856.7	1848.0
62.5°	1693.3	1702.3	1702.3	1702.3	1694.9	1687.9	1673.6	1666.2	1655.6	1653.3	1648.3
65°	1546.9	1556.3	1557.8	1559.9	1554.5	1549.0	1536.4	1528.3	1517.4	1513.3	1507.5
67.5°	1396.0	1405.9	1409.2	1414.3	1411.2	1410.1	1401.6	1398.4	1391.2	1389.6	1384.1
70°	1277.4	1281.5	1281.2	1281.0	1274.3	1268.4	1258.4	1253.7	1246.2	1244.7	1239.8
72.5°	1206.8	1209.7	1207.9	1205.3	1196.5	1187.7	1176.0	1167.5	1157.7	1151.6	1144.7
75°	1107.5	1111.3	1108.8	1107.2	1099.4	1093.6	1084.2	1079.5	1072.7	1070.6	1065.9
77.5°	985.6	987.4	983.4	982.9	977.0	973.3	966.3	965.0	960.0	960.2	955.6
80°	849.9	848.7	842.3	841.1	835.2	833.7	828.1	828.4	824.4	826.1	822.9
82.5°	699.3	695.4	687.1	684.6	677.7	677.1	673.4	676.5	674.1	677.7	675.6
85°	501.1	502.2	498.5	498.5	496.5	497.2	496.8	499.1	499.4	502.8	502.7
87.5°	279.4	283.4	282.6	286.3	286.1	290.2	291.7	297.7	298.5	304.1	304.1
90°	122.2	126.5	123.0	127.4	126.0	131.7	131.3	137.0	135.9	140.6	138.2
92.5°	84.7	79.1	73.8	68.1	65.3	62.2	60.0	56.6	54.2	51.1	48.2
95°	106.4	97.0	87.6	78.2	75.0	71.6	68.4	65.2	62.1	58.9	55.7
97.5°	120.1	109.0	97.9	86.8	84.0	81.3	78.3	75.6	72.7	70.0	67.2
100°	163.4	142.8	122.2	101.3	99.0	96.6	94.3	92.0	89.6	87.1	84.7
102.5°	338.6	294.6	250.7	206.7	198.5	190.1	181.8	173.3	164.9	156.7	148.4
105°	639.4	568.1	497.0	425.7	403.1	380.4	357.9	335.2	312.5	289.9	267.3
107.5°	971.3	898.9	826.8	754.4	712.8	671.0	629.1	587.2	545.6	503.6	461.7
110°	1157.9	1105.2	1052.3	999.4	966.1	932.4	898.6	864.9	831.3	797.6	763.8



TEST NUMBER: P1444704  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL40

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1189.5	1151.7	1114.1	1076.1	1061.1	1045.7	1030.6	1015.3	1000.0	984.5	969.4
115°	1116.6	1091.2	1065.8	1040.1	1035.1	1029.5	1024.4	1018.8	1013.5	1008.0	1002.4
117.5°	999.8	985.4	971.2	956.9	957.8	958.8	959.9	960.7	961.5	962.1	963.0
120°	878.7	872.6	866.8	860.7	865.6	870.1	875.0	879.5	883.9	888.2	892.7
122.5°	779.7	777.3	775.2	772.6	778.6	784.3	789.9	795.4	801.0	806.0	811.3
125°	702.4	701.2	700.3	698.9	704.9	710.7	716.4	721.8	727.3	732.5	737.8
127.5°	651.0	650.9	650.9	650.5	655.0	658.9	663.1	666.8	670.8	674.2	677.8
130°	615.5	615.0	614.7	614.1	618.0	621.7	625.7	629.0	632.6	635.6	638.7
132.5°	593.1	592.4	591.9	591.2	594.2	596.8	599.7	601.9	604.5	606.3	608.5
135°	574.8	573.7	573.1	572.0	574.8	577.4	580.0	582.1	584.4	586.1	588.1
137.5°	559.5	558.6	557.8	556.7	559.3	561.6	563.7	565.7	567.7	569.5	571.0
140°	546.6	545.2	544.3	542.9	545.1	547.2	549.2	550.9	552.9	554.1	555.5
142.5°	534.1	532.1	530.9	528.8	530.5	531.9	533.4	534.7	536.0	537.0	537.9
145°	526.1	523.8	522.0	519.9	521.0	522.2	523.5	524.6	525.3	526.0	526.8
147.5°	519.0	516.8	514.7	512.6	513.8	514.5	515.3	515.8	516.8	517.2	517.6
150°	511.9	509.5	507.2	504.9	505.7	506.3	506.8	507.6	508.1	508.5	508.8
152.5°	503.6	501.4	499.2	496.9	497.4	497.9	498.2	498.6	499.0	499.3	499.5
155°	499.0	497.1	495.2	493.1	493.7	494.0	494.1	494.4	494.6	494.8	494.8
157.5°	498.3	496.5	495.4	493.5	493.5	493.7	493.7	493.3	493.3	493.2	492.9
160°	498.2	496.8	495.5	494.1	494.0	494.0	494.0	493.5	493.5	493.1	492.8
162.5°	499.0	497.6	495.9	494.3	494.1	494.2	494.1	493.8	493.7	493.3	493.1
165°	501.7	500.6	499.5	498.1	497.9	497.6	497.4	496.8	496.5	495.9	495.5
167.5°	504.8	503.8	502.5	501.2	501.2	501.3	501.2	501.0	500.8	500.5	500.4
170°	508.3	507.3	506.5	505.5	505.1	505.0	504.7	504.4	503.9	503.6	503.1
172.5°	511.1	510.2	509.2	508.0	508.0	507.9	507.6	507.4	507.0	506.7	506.5
175°	510.4	509.7	508.8	508.1	508.0	507.9	507.7	507.5	507.2	507.1	506.8
177.5°	512.7	512.3	511.5	511.1	511.0	511.0	510.8	510.6	510.6	510.5	510.4
180°	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0



TEST NUMBER: P1444704  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL40

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	41286.7	41286.7
2.5°	41446.5	41444.4
5°	41600.6	41598.2
7.5°	41717.9	41717.1
10°	41731.6	41738.8
12.5°	41648.4	41654.2
15°	41405.3	41416.6
17.5°	40940.4	40955.2
20°	40139.5	40155.0
22.5°	38842.5	38849.0
25°	36957.0	36930.2
27.5°	34386.4	34340.3
30°	31118.5	31073.9
32.5°	27222.3	27194.5
35°	22836.4	22818.9
37.5°	18219.0	18183.2
40°	13736.3	13631.9
42.5°	9804.7	9621.5
45°	6775.9	6558.8
47.5°	4730.3	4596.1
50°	3585.4	3542.1
52.5°	2921.5	2911.4
55°	2465.1	2460.6
57.5°	2122.0	2120.5
60°	1852.5	1852.1
62.5°	1651.6	1652.4
65°	1510.1	1510.4
67.5°	1385.5	1384.7
70°	1241.5	1240.5
72.5°	1142.4	1140.7
75°	1065.9	1064.8
77.5°	956.9	955.3
80°	825.0	822.9
82.5°	678.6	676.2
85°	506.2	506.3
87.5°	309.7	309.6
90°	142.7	139.6
92.5°	45.8	43.3
95°	52.5	49.3
97.5°	64.4	61.7
100°	82.3	80.0
102.5°	140.0	131.7
105°	244.7	222.1
107.5°	419.9	378.1
110°	730.1	696.4



TEST NUMBER: P1444704  
CATALOG NUMBER: EHBR1-54-UNV-TA-L930-UPL40

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	953.8	938.5
115°	996.6	991.0
117.5°	963.4	963.9
120°	896.6	900.9
122.5°	816.1	821.1
125°	742.7	747.6
127.5°	681.0	684.0
130°	641.0	643.9
132.5°	610.0	611.5
135°	589.3	590.6
137.5°	572.0	573.2
140°	556.3	557.3
142.5°	538.5	539.1
145°	527.3	527.6
147.5°	517.4	517.7
150°	508.8	508.9
152.5°	499.3	499.5
155°	494.6	494.6
157.5°	492.4	492.1
160°	492.3	492.0
162.5°	492.5	492.3
165°	494.7	494.0
167.5°	499.8	499.8
170°	502.7	502.4
172.5°	506.1	505.7
175°	506.6	506.4
177.5°	510.4	510.0
180°	513.0	513.0

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-5

Test Date: 08/01/2025

Luminaire Tested: EHBR-60-L930-N

Data in this report applies to families of products including EHBR-60-L930-N

**Test Information**

Test Method: LM-79-2019  
 Report Number: SP1-2506-472-5  
 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-L930-N**  
 Description: Elevate Round Highbay at, 60000 lumens, 3000K 90CRI LEDs with N lens

**Spectral Parameters**

CCT (K): 2996  
 CIE u': 0.2519  
 CIE v': 0.5169  
 Duv: -0.0033  
 CIE x: 0.4325  
 CIE y: 0.3945  
 CIE z: 0.1730  
 Peak Wavelength (nm): 630  
 Dominant Wavelength (nm): 584  
 Purity: 48.21818  
 Rf: 91.3  
 Rg: 102

CRI (Ra):	94.4		
R1:	96.8	R9:	61.4
R2:	98.1	R10:	94.4
R3:	97.8	R11:	95.7
R4:	95.6	R12:	88.5
R5:	96.9	R13:	97.3
R6:	95.7	R14:	97.8
R7:	90.9	R15:	92.3
R8:	83.0		



**Test Conditions**

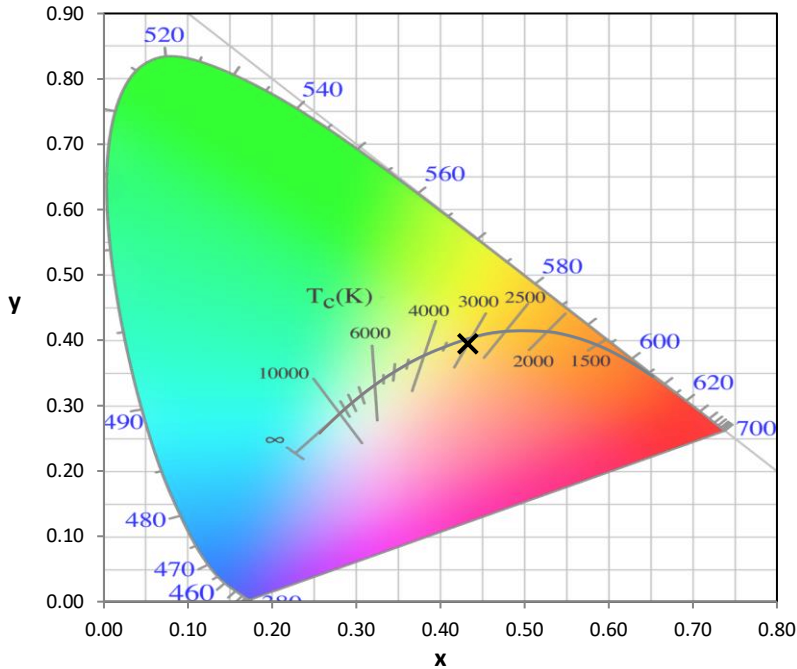
Stabilization Time: 40M  
 Operation Time: 1H 40M  
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-5

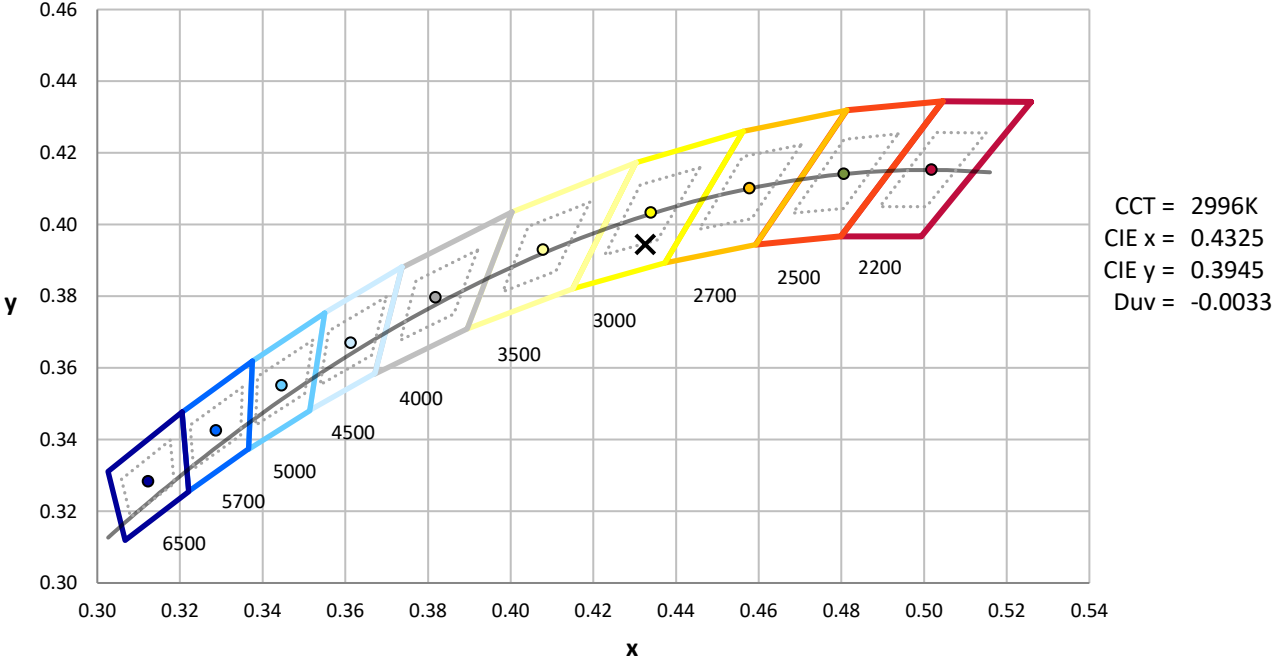
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208	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: SP1-2506-472-5

CIE 1931 Chromaticity Diagram



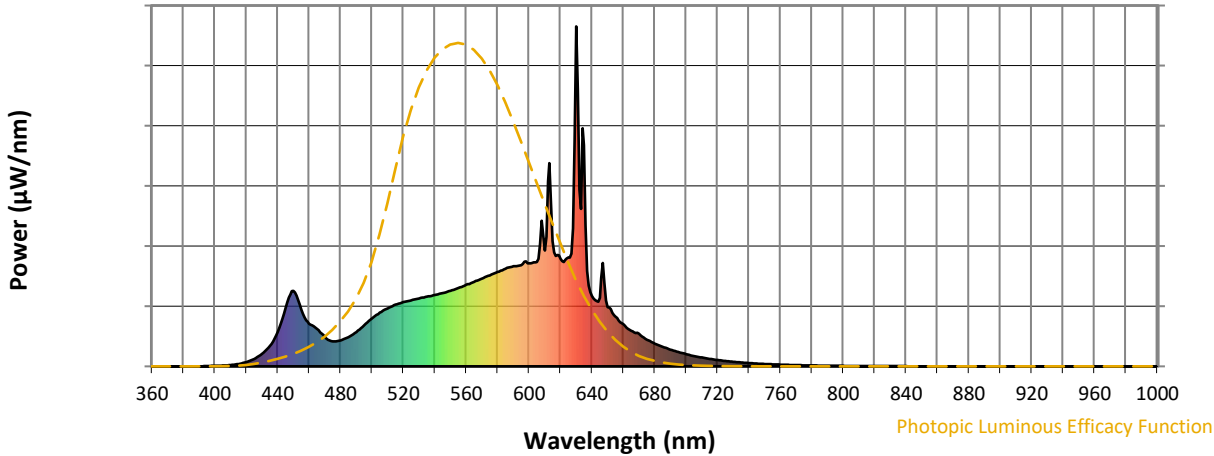
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 7-step quadrangle

REPORT NUMBER: SP1-2506-472-5

**Photopic Flux vs. Wavelength**

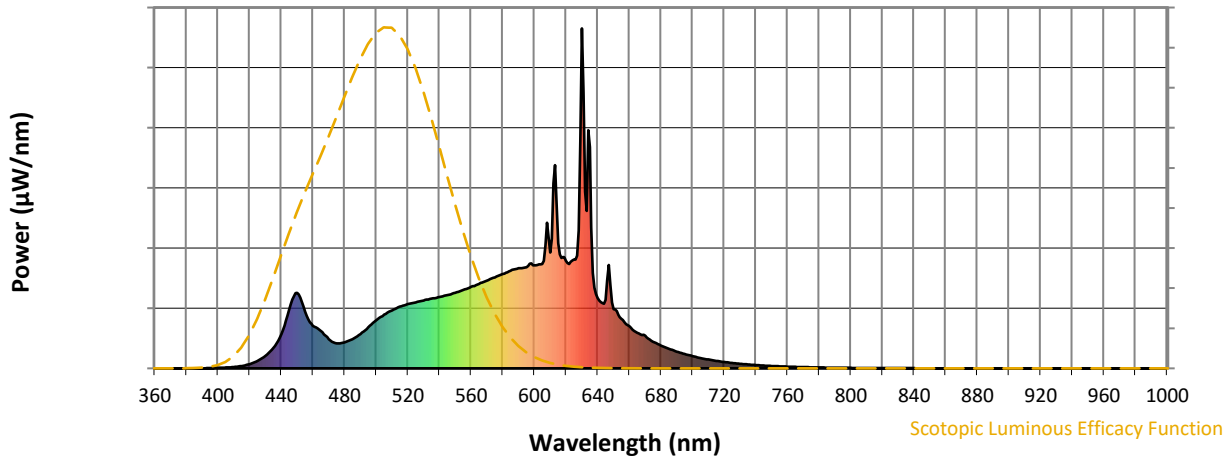


**Photopic Lumens: NR**

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	101	NR	620	317	NR	750	7	NR	880	0	NR
365	0	NR	495	121	NR	625	320	NR	755	6	NR	885	0	NR
370	0	NR	500	141	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	158	NR	635	651	NR	765	4	NR	895	0	NR
380	0	NR	510	171	NR	640	207	NR	770	4	NR	900	0	NR
385	0	NR	515	182	NR	645	201	NR	775	3	NR	905	0	NR
390	0	NR	520	189	NR	650	174	NR	780	3	NR	910	0	NR
395	1	NR	525	194	NR	655	146	NR	785	2	NR	915	0	NR
400	1	NR	530	199	NR	660	124	NR	790	2	NR	920	0	NR
405	3	NR	535	205	NR	665	105	NR	795	2	NR	925	0	NR
410	4	NR	540	210	NR	670	96	NR	800	1	NR	930	0	NR
415	7	NR	545	216	NR	675	79	NR	805	1	NR	935	0	NR
420	13	NR	550	222	NR	680	67	NR	810	1	NR	940	0	NR
425	22	NR	555	230	NR	685	58	NR	815	1	NR	945	0	NR
430	37	NR	560	240	NR	690	49	NR	820	1	NR	950	0	NR
435	60	NR	565	248	NR	695	42	NR	825	1	NR	955	0	NR
440	101	NR	570	258	NR	700	36	NR	830	1	NR	960	0	NR
445	172	NR	575	268	NR	705	30	NR	835	1	NR	965	0	NR
450	223	NR	580	278	NR	710	26	NR	840	1	NR	970	0	NR
455	167	NR	585	287	NR	715	22	NR	845	0	NR	975	0	NR
460	126	NR	590	295	NR	720	19	NR	850	0	NR	980	0	NR
465	111	NR	595	298	NR	725	16	NR	855	0	NR	985	0	NR
470	86	NR	600	303	NR	730	14	NR	860	0	NR	990	0	NR
475	74	NR	605	307	NR	735	12	NR	865	0	NR	995	0	NR
480	77	NR	610	341	NR	740	10	NR	870	0	NR	1000	0	NR
485	86	NR	615	368	NR	745	8	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-5

**Scotopic Flux vs. Wavelength**



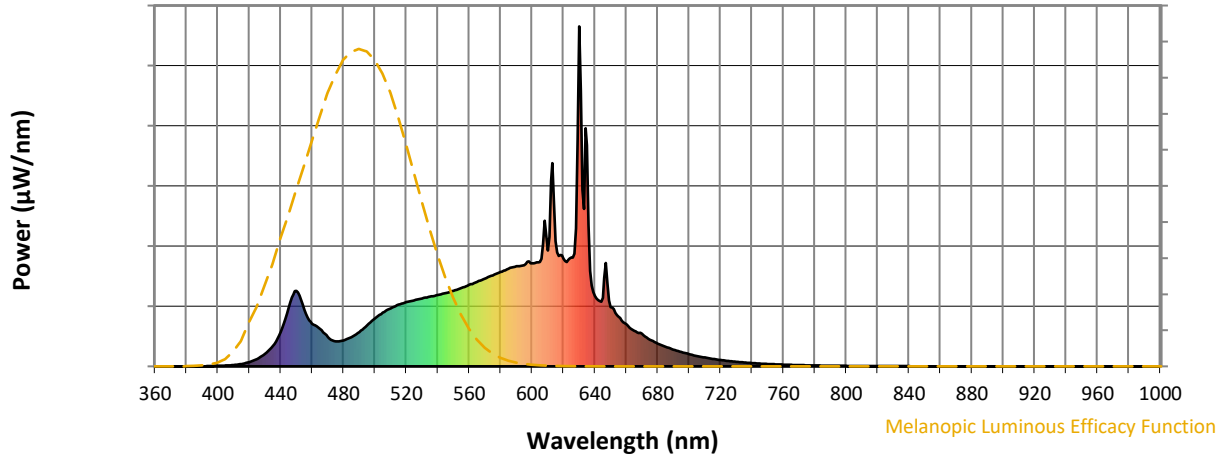
**Scotopic Lumens: NR**

**S/P: 1.44**

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	101	NR	620	317	NR	750	7	NR	880	0	NR
365	0	NR	495	121	NR	625	320	NR	755	6	NR	885	0	NR
370	0	NR	500	141	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	158	NR	635	651	NR	765	4	NR	895	0	NR
380	0	NR	510	171	NR	640	207	NR	770	4	NR	900	0	NR
385	0	NR	515	182	NR	645	201	NR	775	3	NR	905	0	NR
390	0	NR	520	189	NR	650	174	NR	780	3	NR	910	0	NR
395	1	NR	525	194	NR	655	146	NR	785	2	NR	915	0	NR
400	1	NR	530	199	NR	660	124	NR	790	2	NR	920	0	NR
405	3	NR	535	205	NR	665	105	NR	795	2	NR	925	0	NR
410	4	NR	540	210	NR	670	96	NR	800	1	NR	930	0	NR
415	7	NR	545	216	NR	675	79	NR	805	1	NR	935	0	NR
420	13	NR	550	222	NR	680	67	NR	810	1	NR	940	0	NR
425	22	NR	555	230	NR	685	58	NR	815	1	NR	945	0	NR
430	37	NR	560	240	NR	690	49	NR	820	1	NR	950	0	NR
435	60	NR	565	248	NR	695	42	NR	825	1	NR	955	0	NR
440	101	NR	570	258	NR	700	36	NR	830	1	NR	960	0	NR
445	172	NR	575	268	NR	705	30	NR	835	1	NR	965	0	NR
450	223	NR	580	278	NR	710	26	NR	840	1	NR	970	0	NR
455	167	NR	585	287	NR	715	22	NR	845	0	NR	975	0	NR
460	126	NR	590	295	NR	720	19	NR	850	0	NR	980	0	NR
465	111	NR	595	298	NR	725	16	NR	855	0	NR	985	0	NR
470	86	NR	600	303	NR	730	14	NR	860	0	NR	990	0	NR
475	74	NR	605	307	NR	735	12	NR	865	0	NR	995	0	NR
480	77	NR	610	341	NR	740	10	NR	870	0	NR	1000	0	NR
485	86	NR	615	368	NR	745	8	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-5

**Melanopic Flux vs. Wavelength**



**Melanopic Lumens: NR**

**M/P: 2.85**

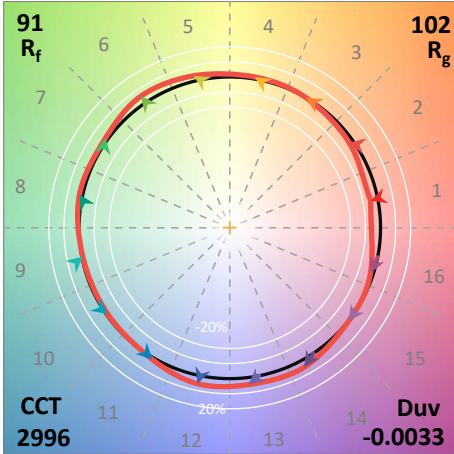
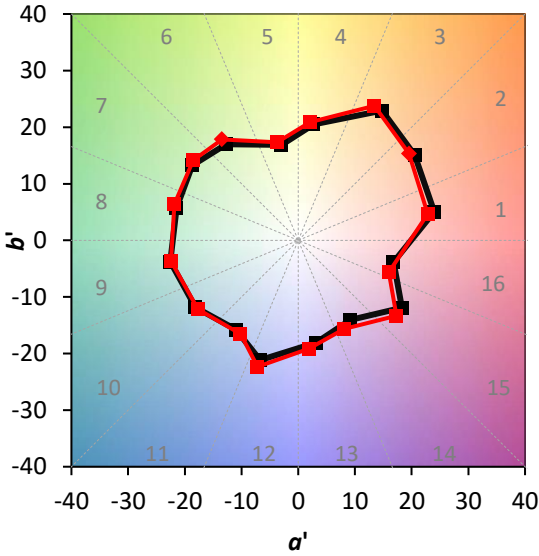
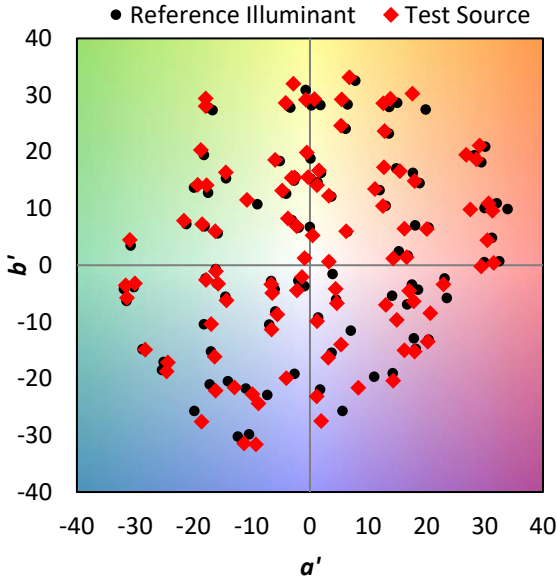
$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)
360	0	NR	490	101	NR	620	317	NR	750	7	NR	880	0	NR
365	0	NR	495	121	NR	625	320	NR	755	6	NR	885	0	NR
370	0	NR	500	141	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	158	NR	635	651	NR	765	4	NR	895	0	NR
380	0	NR	510	171	NR	640	207	NR	770	4	NR	900	0	NR
385	0	NR	515	182	NR	645	201	NR	775	3	NR	905	0	NR
390	0	NR	520	189	NR	650	174	NR	780	3	NR	910	0	NR
395	1	NR	525	194	NR	655	146	NR	785	2	NR	915	0	NR
400	1	NR	530	199	NR	660	124	NR	790	2	NR	920	0	NR
405	3	NR	535	205	NR	665	105	NR	795	2	NR	925	0	NR
410	4	NR	540	210	NR	670	96	NR	800	1	NR	930	0	NR
415	7	NR	545	216	NR	675	79	NR	805	1	NR	935	0	NR
420	13	NR	550	222	NR	680	67	NR	810	1	NR	940	0	NR
425	22	NR	555	230	NR	685	58	NR	815	1	NR	945	0	NR
430	37	NR	560	240	NR	690	49	NR	820	1	NR	950	0	NR
435	60	NR	565	248	NR	695	42	NR	825	1	NR	955	0	NR
440	101	NR	570	258	NR	700	36	NR	830	1	NR	960	0	NR
445	172	NR	575	268	NR	705	30	NR	835	1	NR	965	0	NR
450	223	NR	580	278	NR	710	26	NR	840	1	NR	970	0	NR
455	167	NR	585	287	NR	715	22	NR	845	0	NR	975	0	NR
460	126	NR	590	295	NR	720	19	NR	850	0	NR	980	0	NR
465	111	NR	595	298	NR	725	16	NR	855	0	NR	985	0	NR
470	86	NR	600	303	NR	730	14	NR	860	0	NR	990	0	NR
475	74	NR	605	307	NR	735	12	NR	865	0	NR	995	0	NR
480	77	NR	610	341	NR	740	10	NR	870	0	NR	1000	0	NR
485	86	NR	615	368	NR	745	8	NR	875	0	NR			

**Summary**

$R_f = 91.3$   
 $R_g = 102$   
 $CIE R_a = 94.4$   
 $R_9 = 61.4$



**Color Vector Graphics**

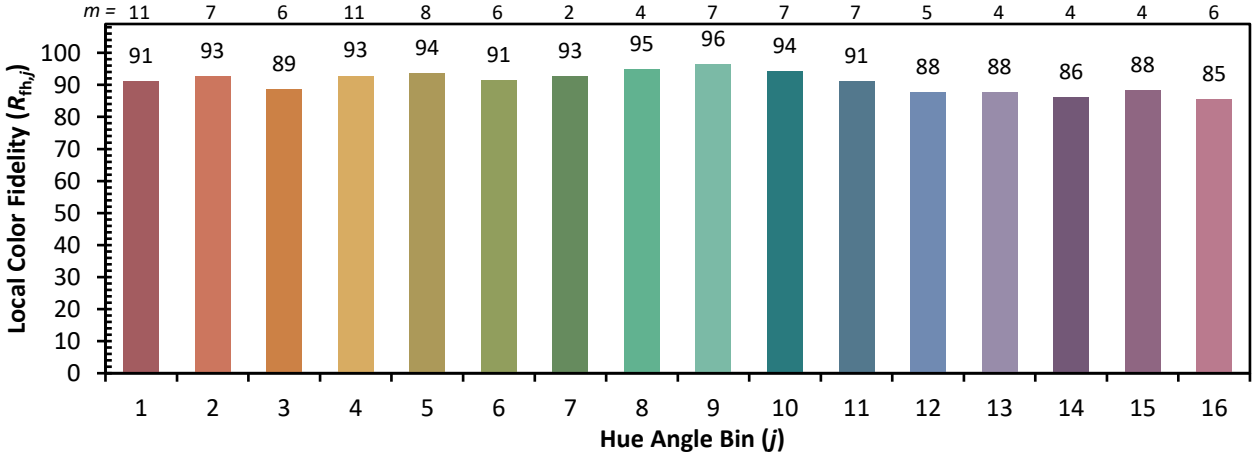


**Individual Sample Fidelity Index ( $R_{f,i}$ )**

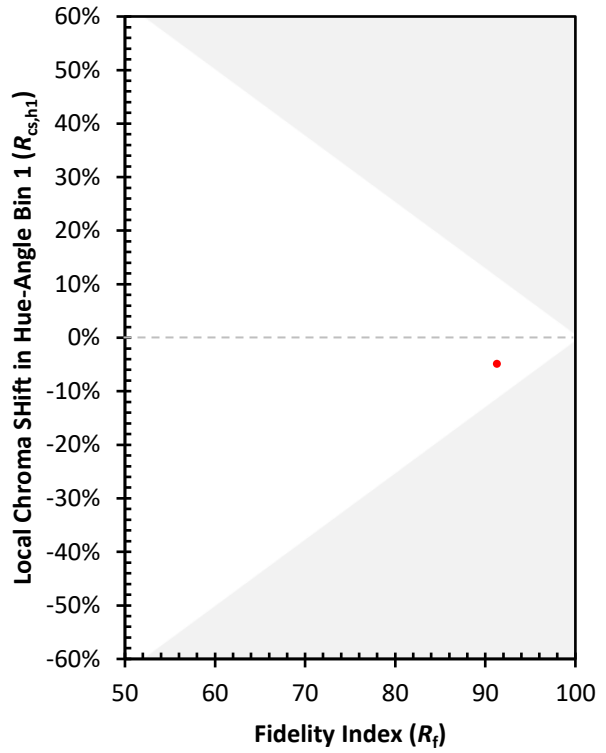
CES01 = 86	CES26 = 91	CES51 = 96	CES76 = 89
CES02 = 63	CES27 = 96	CES52 = 95	CES77 = 85
CES03 = 32	CES28 = 96	CES53 = 93	CES78 = 86
CES04 = 70	CES29 = 90	CES54 = 98	CES79 = 89
CES05 = 51	CES30 = 96	CES55 = 98	CES80 = 91
CES06 = 51	CES31 = 90	CES56 = 95	CES81 = 72
CES07 = 44	CES32 = 84	CES57 = 95	CES82 = 95
CES08 = 42	CES33 = 91	CES58 = 95	CES83 = 93
CES09 = 29	CES34 = 92	CES59 = 99	CES84 = 96
CES10 = 76	CES35 = 96	CES60 = 96	CES85 = 80
CES11 = 59	CES36 = 90	CES61 = 96	CES86 = 77
CES12 = 65	CES37 = 94	CES62 = 95	CES87 = 91
CES13 = 44	CES38 = 99	CES63 = 94	CES88 = 96
CES14 = 74	CES39 = 97	CES64 = 96	CES89 = 82
CES15 = 72	CES40 = 94	CES65 = 92	CES90 = 97
CES16 = 48	CES41 = 94	CES66 = 95	CES91 = 82
CES17 = 50	CES42 = 91	CES67 = 94	CES92 = 78
CES18 = 57	CES43 = 88	CES68 = 93	CES93 = 87
CES19 = 72	CES44 = 99	CES69 = 94	CES94 = 73
CES20 = 67	CES45 = 93	CES70 = 90	CES95 = 85
CES21 = 86	CES46 = 93	CES71 = 90	CES96 = 92
CES22 = 79	CES47 = 86	CES72 = 96	CES97 = 93
CES23 = 92	CES48 = 95	CES73 = 85	CES98 = 94
CES24 = 91	CES49 = 91	CES74 = 90	CES99 = 93
CES25 = 72	CES50 = 96	CES75 = 90	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)