

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: P1444408

Luminaire Tested: EHBR1-48-UNV-TA-L840-UPL24

Issue Date: 5/1/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1444408  
REPORT IS A COMBINATION OF REPORTS P1444333 AND P1431635  
Test Lab: INNOVATION CENTER  
Issue Date: 5/1/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: EHBR1-48-UNV-TA-L840-UPL24  
Description: Elevate Round Highbay at, 48000 lumens, 4000K 80CRI LEDs with TA lens  
Light Source: -  
Ballast/Driver: -

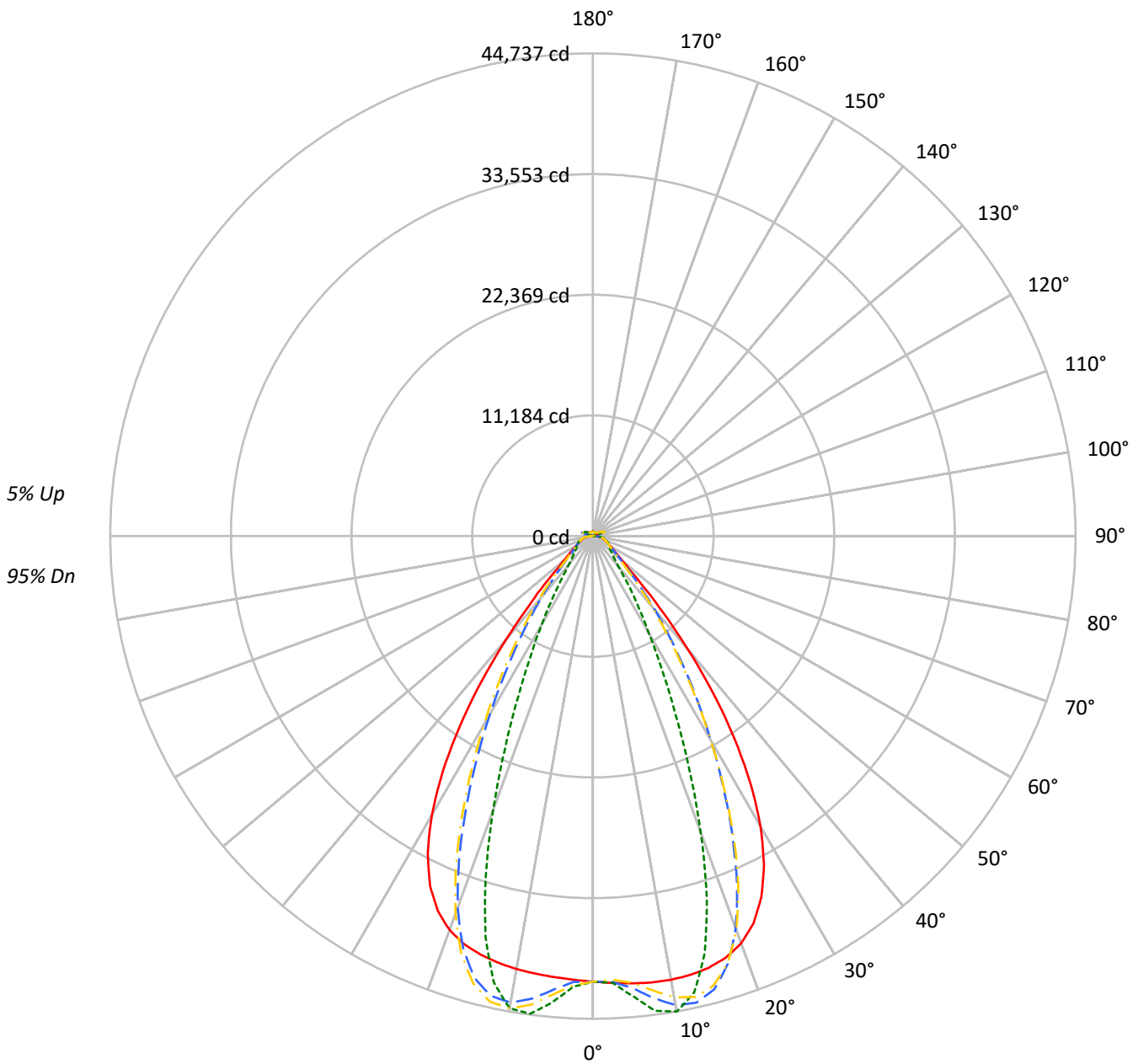
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 50265.4 lumens  
Efficiency: N/A  
Efficacy: 182.7 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): 275.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P1444408  
CATALOG NUMBER: EHBR1-48-UNV-TA-L840-UPL24

### 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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	97	97	97	95
1	111	107	104	101	108	104	102	99	99	97	95	95	93	91	90	89	88	88	88	88	85
2	104	98	93	89	101	96	91	87	91	88	85	88	85	82	84	82	80	84	82	80	77
3	98	90	84	79	95	88	83	78	85	80	76	81	78	74	78	75	73	78	75	73	71
4	92	83	76	72	89	81	75	71	78	73	69	76	71	68	73	70	67	73	70	67	65
5	86	77	70	65	84	75	69	65	73	68	63	71	66	62	68	65	61	68	65	61	60
6	82	71	65	60	80	70	64	59	68	63	58	66	61	58	64	60	57	64	60	57	55
7	77	67	60	55	75	66	59	55	64	58	54	62	57	53	60	56	53	60	56	53	51
8	73	62	56	51	71	61	55	51	60	54	50	58	53	50	57	52	49	57	52	49	48
9	69	58	52	48	68	58	52	47	56	51	47	55	50	46	54	49	46	54	49	46	44
10	66	55	49	44	64	54	48	44	53	48	44	52	47	43	51	46	43	51	46	43	42

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

	0°	90°	180°	270°
0°	193929	193929	193929	193929
5°	194868	200550	192141	203177
10°	196495	210562	191783	209170
15°	197459	190873	191448	183188
20°	195418	142194	189021	131563
25°	184970	89930	178857	81595
30°	161585	54041	155327	49388
35°	124357	33911	117204	30039
40°	78667	21272	71974	19988
45°	40546	16572	39874	16299
50°	23772	14740	23043	14511
55°	18212	13946	17538	13821
60°	15410	14246	14753	14061
65°	14474	14878	13920	14370
70°	14141	15578	13436	14991
75°	15120	16521	14302	15790
80°	15644	18294	14186	16699
85°	14734	17652	11909	15112

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 25°  
 Vertical Angle: 45°  
 Luminance: 62051 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4069.8	8.1
10°-20°	11448.8	22.8
20°-30°	13039.2	25.9
30°-40°	9372.0	18.6
40°-50°	4322.4	8.6
50°-60°	2068.4	4.1
60°-70°	1509.2	3.0
70°-80°	1146.6	2.3
80°-90°	525.9	1.0
90°-100°	81.5	0.2
100°-110°	440.1	0.9
110°-120°	812.5	1.6
120°-130°	504.5	1.0
130°-140°	334.0	0.7
140°-150°	255.4	0.5
150°-160°	183.0	0.4
160°-170°	112.8	0.2
170°-180°	39.1	0.1
0°-30°	28557.8	56.8
0°-40°	37929.8	75.5
0°-60°	44320.6	88.2
0°-90°	47502.3	94.5
90°-120°	1334.2	2.7
90°-150°	2428.2	4.8
90°-180°	2763.0	5.5
0°-180°	50265.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	41296	41296	41296	41296	41296	
5°	41607	42821	41025	43382	41607	3976
15°	41426	40044	40165	38432	41426	11672
25°	36938	17959	35718	16294	36938	16745
35°	22824	6224	21511	5513	22824	14008
45°	6560	2681	6452	2637	6560	5579
55°	2461	1885	2370	1868	2461	2272
65°	1511	1553	1453	1500	1511	1509
75°	1065	1164	1008	1112	1065	1108
85°	506	607	409	519	506	476
90°	132	169	35	44	132	83
95°	37	41	37	41	37	35
105°	161	206	110	206	161	213
115°	712	856	745	857	712	658
125°	546	562	616	564	546	497
135°	444	384	477	388	444	346
145°	407	386	431	392	407	257
155°	389	386	412	391	389	181
165°	395	392	409	395	395	112
175°	408	411	415	413	408	39
180°	414	414	414	414	414	



TEST NUMBER: P1444408  
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**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8
2.5°	41453.7	41450.2	41449.6	41446.8	41446.0	41446.0	41444.6	41441.2	41439.1	41434.4	41429.0
5°	41607.4	41605.6	41606.7	41607.0	41604.1	41597.6	41587.5	41575.1	41559.5	41544.9	41531.7
7.5°	41726.4	41729.3	41732.9	41732.1	41723.2	41708.0	41687.3	41675.7	41682.6	41705.1	41756.6
10°	41748.1	41765.8	41772.7	41770.6	41752.5	41739.5	41744.5	41788.3	41875.4	41991.6	42150.5
12.5°	41663.4	41685.2	41684.4	41677.2	41659.8	41677.6	41740.9	41871.2	42057.8	42287.0	42555.7
15°	41425.8	41454.0	41446.0	41436.6	41425.0	41483.3	41609.8	41836.1	42124.4	42447.5	42778.3
17.5°	40964.3	40998.3	40981.7	40971.3	40961.5	41070.7	41288.2	41619.3	41982.6	42348.0	42661.5
20°	40164.0	40186.8	40147.4	40128.8	40144.5	40358.6	40678.9	41101.9	41484.7	41830.3	42044.5
22.5°	38857.6	38886.0	38812.0	38803.4	38894.7	39223.6	39628.9	40101.8	40461.4	40735.3	40817.9
25°	36938.4	36966.3	36878.4	36930.9	37086.1	37534.1	38016.8	38522.6	38829.4	39032.5	38976.4
27.5°	34348.0	34373.4	34290.1	34397.2	34642.6	35231.2	35799.3	36348.0	36621.5	36763.6	36583.5
30°	31080.8	31133.6	31035.2	31184.8	31559.3	32323.4	32974.3	33589.6	33862.3	33970.5	33690.1
32.5°	27200.5	27275.6	27167.1	27389.6	27912.2	28830.2	29569.6	30257.0	30558.7	30682.2	30365.6
35°	22824.0	22931.6	22807.2	23141.2	23785.7	24807.9	25626.7	26394.2	26751.4	26926.6	26607.4
37.5°	18187.2	18289.9	18222.5	18668.1	19375.8	20435.4	21271.1	22099.1	22502.5	22765.4	22513.7
40°	13635.0	13729.0	13779.9	14289.5	14955.0	15953.7	16756.4	17575.7	18027.0	18356.8	18201.7
42.5°	9623.6	9718.4	9891.6	10383.2	10938.3	11764.9	12452.6	13188.1	13619.2	13971.1	13911.3
45°	6560.2	6670.3	6887.2	7289.8	7691.2	8284.3	8789.2	9361.3	9713.4	10035.8	10039.6
47.5°	4597.1	4674.4	4868.3	5143.2	5404.9	6147.3	6177.8	6458.9	6695.6	6936.6	6967.8
50°	3542.9	3589.4	3692.2	3845.5	3993.7	4186.4	4362.9	4566.6	4712.3	4844.4	4875.9
52.5°	2912.1	2941.5	2993.9	3076.8	3162.9	3267.7	3362.2	3474.0	3553.3	3624.0	3638.9
55°	2461.2	2485.7	2563.6	2579.3	2677.7	2696.7	2738.6	2806.7	2852.8	2895.2	2905.7
57.5°	2120.9	2138.7	2155.2	2190.5	2220.9	2264.9	2300.4	2349.3	2378.3	2409.0	2411.6
60°	1852.5	1865.3	1877.1	1901.7	1922.2	1952.9	1977.3	2010.5	2031.4	2054.3	2056.9
62.5°	1652.7	1661.9	1669.8	1685.9	1700.7	1724.3	1743.7	1771.4	1790.8	1808.5	1812.6
65°	1510.8	1517.4	1522.5	1534.8	1547.6	1567.7	1585.2	1607.9	1622.2	1635.8	1638.7
67.5°	1385.0	1391.3	1396.6	1407.8	1416.6	1431.6	1443.4	1460.4	1471.1	1481.9	1482.2
70°	1240.8	1246.7	1250.7	1261.1	1268.3	1281.1	1290.6	1305.9	1316.9	1329.1	1332.1
72.5°	1141.0	1144.5	1149.9	1159.3	1169.3	1183.1	1195.8	1211.7	1225.0	1237.5	1242.9
75°	1065.1	1069.2	1072.7	1080.8	1087.7	1099.3	1108.8	1123.3	1135.0	1148.4	1155.0
77.5°	955.5	960.3	963.3	971.4	977.3	988.5	995.6	1008.6	1018.1	1030.3	1036.2
80°	823.0	827.5	829.7	837.4	842.1	852.3	859.2	871.8	879.7	892.0	899.1
82.5°	676.3	680.6	681.8	689.0	691.7	700.0	705.1	717.9	727.7	743.6	754.6
85°	506.4	507.9	510.5	508.5	518.8	519.4	531.0	533.3	548.5	552.5	570.0
87.5°	309.7	314.2	316.5	323.6	326.6	333.7	335.8	343.3	347.4	356.0	360.0
90°	132.4	139.5	142.0	150.4	152.7	160.1	162.0	170.4	172.8	181.5	185.1
92.5°	32.8	34.8	36.6	39.0	41.0	43.9	46.3	48.6	50.7	53.5	57.6
95°	37.0	39.4	41.6	43.9	46.1	48.4	50.7	53.0	55.2	57.5	64.0
97.5°	46.1	48.1	50.0	52.1	54.0	56.0	57.9	59.9	61.9	63.7	71.5
100°	59.4	61.1	62.8	64.5	66.1	67.8	69.4	71.1	72.7	74.5	89.1
102.5°	96.6	102.5	108.4	114.3	120.3	126.0	132.1	137.9	143.8	149.7	180.6
105°	161.3	177.2	193.4	209.4	225.4	241.5	257.5	273.3	289.4	305.3	356.0
107.5°	272.8	302.4	332.2	361.8	391.6	421.1	450.8	480.4	509.9	539.3	590.7
110°	500.0	523.6	547.5	571.3	595.0	618.9	642.7	666.2	690.2	713.8	751.2



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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°	673.0	683.6	694.3	705.1	715.8	726.4	737.1	747.7	758.5	768.9	795.5
115°	711.6	715.3	719.1	722.5	726.4	729.8	733.4	737.0	740.6	743.9	762.0
117.5°	694.0	693.2	692.3	691.6	690.5	689.7	688.6	687.6	686.5	685.5	695.6
120°	651.1	647.5	644.1	640.3	636.9	632.9	629.4	625.7	621.8	617.9	622.3
122.5°	596.2	592.0	588.0	583.5	579.3	574.7	570.5	565.5	561.3	556.8	558.0
125°	546.2	541.8	537.9	533.4	528.7	524.1	519.5	514.9	510.4	505.4	505.9
127.5°	503.3	500.3	497.1	493.7	490.4	486.7	483.3	479.6	476.2	472.3	472.2
130°	477.0	474.2	471.3	468.2	465.1	461.6	458.3	454.9	451.6	448.0	447.9
132.5°	456.3	454.3	452.1	449.7	447.3	444.4	441.9	438.8	436.3	433.6	433.4
135°	443.8	441.6	439.8	437.5	435.2	432.5	429.8	427.1	424.6	421.7	421.9
137.5°	433.5	431.7	429.8	427.6	425.4	422.7	420.3	417.7	415.2	412.5	412.5
140°	424.3	422.7	420.9	418.6	416.7	414.4	412.0	409.6	407.1	404.5	404.8
142.5°	413.4	411.9	410.5	408.6	407.0	404.7	402.8	400.5	398.5	396.2	396.8
145°	406.9	405.6	404.5	402.9	401.3	399.3	397.5	395.4	393.8	391.7	392.4
147.5°	401.4	400.3	399.4	398.1	396.7	394.9	393.4	391.6	390.1	388.4	389.2
150°	396.5	395.6	394.7	393.5	392.1	390.6	389.1	387.6	385.9	384.3	385.0
152.5°	391.0	390.0	389.2	388.0	386.7	385.0	384.0	382.3	380.9	379.4	380.0
155°	388.9	387.9	386.7	385.7	384.4	383.1	381.7	380.4	379.1	377.6	378.1
157.5°	388.7	387.6	386.9	385.5	384.8	383.5	382.5	381.3	380.3	379.1	379.3
160°	390.2	389.3	388.4	387.4	386.2	385.0	384.0	382.9	382.1	380.9	381.1
162.5°	392.1	391.0	390.1	389.0	388.2	386.9	386.0	385.0	384.1	382.9	383.2
165°	395.0	394.4	393.7	392.9	392.1	391.4	390.6	389.7	389.0	388.0	388.1
167.5°	400.7	399.8	399.2	398.3	397.3	396.5	395.6	394.7	394.1	393.0	393.2
170°	403.9	403.1	402.7	402.2	401.6	401.0	400.5	399.9	399.3	398.7	398.9
172.5°	407.2	406.6	406.3	406.0	405.4	405.1	404.6	404.2	403.9	403.3	403.7
175°	408.5	408.0	407.9	407.6	407.3	407.0	406.8	406.5	406.5	406.1	406.2
177.5°	411.6	411.4	411.4	411.3	411.3	411.1	411.0	410.7	410.5	410.5	410.7
180°	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0



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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°	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8
2.5°	41425.0	41420.0	41413.1	41404.3	41396.8	41388.2	41367.5	41361.3	41368.2	41372.8	41382.3
5°	41523.4	41526.3	41527.4	41546.2	41562.4	41603.0	41920.7	42046.9	42144.6	42206.7	42300.7
7.5°	41820.2	41915.7	42010.1	42137.2	42246.7	42394.7	42950.6	43187.2	43355.4	43476.3	43625.0
10°	42323.1	42531.6	42727.0	42956.0	43152.8	43378.2	43895.6	44126.2	44271.7	44377.6	44476.5
12.5°	42829.7	43118.8	43380.0	43634.9	43847.9	44043.4	44225.3	44306.0	44312.9	44316.2	44263.7
15°	43093.6	43369.9	43600.1	43768.6	43893.8	43949.2	43635.9	43471.6	43263.9	43092.8	42811.3
17.5°	42927.0	43092.8	43192.3	43182.5	43130.7	42957.5	42070.2	41582.0	41097.5	40660.9	40088.3
20°	42186.7	42174.0	42087.5	41842.5	41547.3	41088.2	39566.8	38689.1	37840.5	37095.2	36190.9
22.5°	40809.4	40592.8	40290.6	39762.3	39175.3	38373.3	36193.1	34902.0	33720.6	32677.0	31507.8
25°	38813.9	38368.0	37810.8	36972.1	36059.9	34890.0	32203.0	30597.0	29178.7	27948.4	26599.5
27.5°	36259.9	35588.4	34771.8	33610.9	32375.2	30876.4	27897.3	26125.0	24602.3	23283.4	21847.7
30°	33236.4	32363.0	31308.5	29867.6	28377.1	26677.3	23655.8	21860.7	20319.4	18962.5	17525.7
32.5°	29819.5	28796.5	27560.7	25943.7	24331.7	22583.9	19666.0	17928.4	16456.1	15150.7	13850.3
35°	26050.8	24953.8	23646.4	21997.0	20394.8	18695.5	16018.1	14451.3	13151.2	11997.4	10947.3
37.5°	22008.2	20931.1	19688.5	18133.9	16648.2	15108.4	12798.2	11485.2	10394.2	9436.6	8625.7
40°	17805.0	16862.4	15787.3	14443.4	13175.4	11893.0	9996.6	8954.5	8093.5	7363.1	6755.6
42.5°	13653.4	12922.9	12098.4	11036.4	10066.1	9089.7	7630.1	6857.9	6220.2	5694.4	5264.9
45°	9906.0	9417.3	8864.4	8126.1	7454.6	6773.5	5734.7	5192.1	4776.8	4437.8	4151.1
47.5°	6924.8	6641.3	6624.1	5941.8	5449.4	5033.0	4363.7	4021.0	3766.5	3561.1	3379.5
50°	4863.1	4726.0	4555.6	4312.1	4083.6	3848.2	3440.5	3233.2	3084.2	2959.8	2845.0
52.5°	3635.5	3564.3	3473.6	3344.4	3220.5	3088.1	2830.1	2698.3	2651.3	2535.5	2444.6
55°	2903.8	2862.9	2811.3	2735.4	2660.1	2630.0	2408.8	2310.8	2248.9	2203.2	2154.3
57.5°	2412.0	2381.5	2351.0	2299.5	2255.9	2203.2	2085.7	2035.6	1998.6	1971.7	1937.9
60°	2057.5	2039.2	2022.0	1991.9	1968.4	1939.9	1865.3	1837.0	1817.7	1801.6	1780.0
62.5°	1815.9	1806.6	1797.7	1781.6	1769.7	1754.2	1703.3	1689.7	1680.0	1671.9	1658.7
65°	1641.5	1634.9	1629.9	1619.2	1613.3	1604.2	1560.5	1551.3	1545.3	1542.5	1534.8
67.5°	1483.2	1476.2	1472.9	1465.3	1462.8	1457.2	1421.4	1416.3	1414.3	1415.2	1412.5
70°	1335.0	1332.1	1333.7	1332.4	1335.8	1336.8	1315.1	1315.0	1317.2	1321.9	1322.3
72.5°	1246.2	1246.2	1247.9	1248.7	1252.0	1253.5	1235.4	1234.5	1235.5	1239.0	1239.1
75°	1161.8	1163.2	1167.7	1169.3	1173.1	1173.9	1150.0	1147.2	1147.4	1150.6	1149.6
77.5°	1044.8	1049.9	1058.6	1063.2	1070.5	1072.0	1045.1	1042.0	1042.1	1045.3	1042.6
80°	912.1	921.8	935.7	945.3	956.7	961.3	933.7	927.2	921.0	920.1	914.7
82.5°	771.2	783.0	799.6	808.4	820.5	823.2	777.1	768.5	763.2	763.7	758.7
85°	588.8	597.6	612.8	617.7	625.2	624.6	571.9	549.4	555.5	546.1	553.4
87.5°	369.3	374.5	384.0	385.2	388.8	388.0	335.0	324.6	321.6	321.7	317.8
90°	194.3	198.7	207.7	208.6	214.7	214.8	172.6	168.5	164.1	165.5	159.5
92.5°	62.2	66.1	70.4	74.6	78.9	83.1	82.5	85.3	81.4	76.9	73.3
95°	70.6	77.3	83.9	90.7	97.4	104.0	110.7	117.3	111.1	104.8	98.6
97.5°	79.4	87.3	95.0	103.0	110.9	118.8	126.6	134.5	127.8	120.9	114.2
100°	103.7	118.5	133.0	147.6	162.2	177.0	191.6	206.3	193.4	180.3	167.4
102.5°	211.7	242.9	273.9	305.0	336.1	367.3	398.7	429.8	400.2	370.3	340.5
105°	406.3	456.9	507.2	557.5	607.8	658.4	709.2	759.7	712.3	664.8	617.4
107.5°	641.7	693.0	743.8	794.9	846.0	897.1	949.0	1000.1	953.8	907.3	861.1
110°	788.5	825.6	862.9	900.0	937.2	974.4	1012.6	1049.9	1022.0	994.1	966.1



TEST NUMBER: P1444408  
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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°	821.9	848.6	875.1	901.4	927.8	954.3	982.3	1009.0	994.8	980.4	966.4
115°	779.6	797.5	815.1	832.8	850.6	868.1	887.5	905.8	900.8	896.1	891.4
117.5°	705.2	714.9	724.7	734.5	743.9	753.6	765.5	775.6	775.9	776.3	776.7
120°	625.9	629.9	633.7	637.6	641.2	645.0	651.3	655.7	659.1	662.2	665.5
122.5°	559.2	560.4	561.4	562.6	563.7	564.7	568.9	570.7	572.7	574.7	576.8
125°	506.2	506.5	506.7	507.1	507.0	507.4	511.2	512.0	511.7	511.2	510.9
127.5°	471.7	471.4	470.9	470.6	469.8	469.6	472.7	473.0	470.9	468.8	466.6
130°	447.7	447.5	447.2	447.1	446.9	446.7	450.3	451.1	447.8	444.2	440.8
132.5°	433.2	433.2	432.9	433.0	432.9	432.7	436.8	437.7	434.1	429.9	426.2
135°	421.7	421.9	421.8	421.8	421.8	422.1	426.6	427.7	424.2	420.2	416.6
137.5°	412.3	412.4	412.5	412.7	412.7	412.8	418.0	419.2	416.3	413.0	410.1
140°	404.9	405.1	405.3	405.8	405.9	406.5	412.1	413.6	411.3	408.6	406.1
142.5°	397.0	397.8	398.5	399.5	400.0	400.9	407.3	409.3	407.4	405.3	403.5
145°	392.9	394.0	394.7	395.8	396.6	397.9	405.0	407.5	406.3	404.8	403.4
147.5°	389.4	390.3	391.1	392.0	392.8	394.2	401.9	404.3	403.5	402.4	401.5
150°	385.6	386.5	387.3	388.4	389.6	390.8	399.5	402.3	401.6	400.8	400.0
152.5°	380.6	381.3	382.1	382.9	383.9	385.0	395.6	398.8	398.3	397.2	396.7
155°	378.5	379.0	379.4	380.2	380.7	381.8	393.2	396.5	396.0	395.5	394.9
157.5°	379.4	379.6	379.7	380.2	380.6	381.1	393.1	396.6	396.0	395.6	395.1
160°	381.0	381.2	381.2	381.5	381.6	381.9	394.4	397.6	397.3	396.7	396.2
162.5°	383.3	384.0	384.0	384.4	384.6	385.3	397.7	401.5	400.7	400.2	399.5
165°	388.2	388.1	388.2	388.4	388.5	388.7	400.5	403.5	403.2	402.6	402.1
167.5°	393.2	393.5	393.4	393.8	393.9	394.4	405.3	408.3	408.0	407.3	407.0
170°	398.9	399.2	399.2	399.5	399.8	400.2	409.4	411.8	411.6	410.8	410.4
172.5°	403.9	404.3	404.6	404.9	405.2	405.7	413.5	415.8	415.5	415.0	414.4
175°	406.5	406.6	407.0	407.4	407.7	408.0	414.2	415.8	415.6	415.3	415.0
177.5°	411.0	411.1	411.4	411.7	412.0	412.3	415.9	417.0	416.8	416.8	416.7
180°	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0



TEST NUMBER: P1444408  
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**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8
2.5°	41384.4	41399.0	41401.1	41418.1	41416.7	41436.9	41433.8	41450.2	41440.6	41454.3	41442.8
5°	42356.4	42444.6	42490.7	42576.7	42603.9	42680.9	42702.7	42772.9	42775.8	42831.5	42818.8
7.5°	43730.7	43860.6	43937.7	44044.1	44097.9	44186.6	44225.6	44291.2	44312.3	44364.3	44368.3
10°	44551.3	44614.3	44658.4	44688.1	44715.2	44728.0	44742.8	44738.8	44742.8	44736.9	44749.7
12.5°	44228.5	44136.4	44075.4	43960.1	43893.2	43765.7	43703.1	43580.5	43536.0	43430.7	43415.6
15°	42593.8	42272.8	42045.9	41716.0	41508.5	41183.9	40994.1	40701.2	40567.5	40334.7	40273.6
17.5°	39614.3	39018.3	38557.0	37965.3	37554.8	37001.7	36654.0	36196.3	35945.6	35576.4	35448.7
20°	35437.2	34555.3	33863.5	33039.2	32449.4	31714.5	31244.0	30650.6	30306.1	29852.8	29668.9
22.5°	30533.0	29435.2	28571.0	27597.4	26885.7	26066.7	25503.1	24861.1	24486.2	23993.7	23775.6
25°	25478.4	24267.7	23307.0	22281.0	21529.1	20708.2	20144.4	19513.7	19125.9	18658.3	18441.6
27.5°	20644.1	19418.5	18490.1	17536.3	16846.6	16105.8	15597.0	15046.4	14702.1	14303.1	14099.2
30°	16377.9	15296.9	14506.9	13715.3	13141.5	12540.0	12117.2	11660.8	11358.8	11017.1	10822.9
32.5°	12902.2	12067.6	11449.0	10820.9	10351.3	9848.5	9483.3	9080.6	8808.1	8502.8	8327.0
35°	10218.3	9569.9	9076.5	8559.4	8156.0	7727.8	7406.0	7058.4	6813.8	6551.0	6399.2
37.5°	8073.5	7557.9	7151.9	6722.5	6391.1	6036.3	5916.8	5517.9	5264.6	5054.9	4909.6
40°	6336.1	5926.2	5590.2	5261.7	4991.5	4722.4	4506.5	4293.4	4129.8	3979.8	3876.1
42.5°	4948.0	4651.0	4405.6	4165.1	3967.9	3771.8	3615.4	3468.6	3358.5	3260.4	3193.5
45°	3933.5	3729.2	3558.6	3389.2	3250.1	3119.2	3014.0	2920.2	2849.1	2790.2	2748.4
47.5°	3231.4	3091.6	2971.3	2857.0	2762.5	2676.8	2606.2	2583.2	2506.8	2455.2	2435.6
50°	2746.3	2661.8	2570.4	2486.1	2423.0	2360.3	2314.5	2269.6	2241.1	2217.4	2210.1
52.5°	2384.2	2319.6	2268.7	2215.4	2173.7	2129.1	2097.5	2067.6	2051.9	2039.5	2038.0
55°	2115.0	2069.8	2036.2	2000.3	1975.4	1949.2	1932.8	1917.1	1910.1	1903.9	1904.4
57.5°	1911.2	1881.1	1859.2	1836.0	1822.5	1809.9	1805.8	1801.9	1804.0	1804.9	1808.4
60°	1762.8	1743.2	1729.4	1716.1	1710.5	1706.5	1709.5	1713.1	1720.2	1726.1	1731.2
62.5°	1649.1	1637.9	1631.1	1624.0	1623.4	1623.7	1629.8	1635.8	1644.8	1651.5	1656.6
65°	1532.0	1525.6	1523.4	1518.8	1521.2	1522.5	1529.8	1534.5	1543.5	1548.8	1555.3
67.5°	1413.7	1412.2	1413.5	1413.5	1417.6	1421.2	1428.2	1433.5	1441.1	1446.0	1451.2
70°	1326.3	1326.9	1330.2	1330.8	1335.2	1337.6	1343.8	1347.1	1354.0	1358.1	1364.4
72.5°	1241.4	1240.0	1240.8	1238.7	1240.3	1239.7	1243.1	1244.7	1250.6	1253.8	1261.5
75°	1150.9	1147.1	1146.1	1142.1	1142.2	1139.3	1140.7	1140.5	1144.3	1145.8	1151.4
77.5°	1041.6	1035.2	1032.1	1025.2	1025.1	1022.5	1025.2	1027.0	1033.7	1036.8	1043.2
80°	910.9	900.8	896.3	888.3	889.6	889.2	895.9	901.0	909.2	910.8	918.7
82.5°	757.2	746.9	742.0	734.1	736.0	736.2	742.3	743.3	750.5	753.6	762.8
85°	542.1	546.1	535.2	536.0	533.7	538.0	542.1	547.3	553.2	563.2	570.9
87.5°	319.2	317.8	321.7	322.2	327.7	330.5	339.4	344.5	354.5	362.2	376.4
90°	159.1	153.3	155.7	153.2	157.8	155.5	159.8	156.8	162.1	162.1	169.2
92.5°	68.4	64.6	59.8	55.9	51.4	47.7	45.2	43.7	41.3	39.9	37.3
95°	92.4	86.2	80.0	73.8	67.6	61.3	59.0	56.8	54.5	52.3	49.9
97.5°	107.6	100.8	94.1	87.3	80.6	74.0	72.4	70.9	69.4	67.9	66.4
100°	154.3	141.5	128.5	115.5	102.7	89.8	88.6	87.4	86.2	85.0	83.7
102.5°	311.0	281.3	251.7	222.1	192.5	162.8	157.6	152.5	147.3	142.2	137.0
105°	569.9	522.4	475.0	427.5	380.3	332.9	318.7	304.4	290.3	276.2	262.1
107.5°	814.7	768.4	722.1	675.9	629.7	583.5	561.1	538.8	516.3	494.0	471.7
110°	937.9	910.0	882.4	854.2	826.6	798.8	777.3	756.0	734.6	713.3	692.0



TEST NUMBER: P1444408  
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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°	952.2	938.1	923.8	909.8	895.9	881.8	871.4	860.9	850.5	840.0	829.3
115°	886.5	881.8	877.1	872.5	868.0	863.3	862.4	861.6	860.6	859.8	859.1
117.5°	777.0	777.5	777.8	778.4	778.9	779.6	784.9	790.0	795.5	801.0	806.8
120°	668.8	672.2	675.3	678.8	682.1	685.6	692.6	699.8	707.0	714.5	721.9
122.5°	578.8	581.0	582.8	585.1	587.2	589.6	596.3	603.4	610.4	617.6	625.1
125°	510.0	509.6	509.1	508.5	508.0	507.9	513.4	518.9	524.8	530.7	536.6
127.5°	464.2	461.8	459.5	457.4	455.0	452.9	455.9	459.0	462.0	465.4	468.7
130°	437.2	433.7	429.8	426.5	422.7	419.3	420.1	421.1	422.0	423.0	424.1
132.5°	422.1	418.1	414.0	410.0	405.8	401.9	401.1	400.5	399.8	399.5	399.1
135°	412.7	408.9	404.8	401.0	396.9	393.2	391.8	390.2	388.9	387.6	386.4
137.5°	406.9	403.7	400.5	397.4	393.9	390.9	388.9	387.3	385.3	384.0	382.4
140°	403.4	401.0	398.1	395.5	392.7	390.3	388.5	387.2	385.4	384.2	382.8
142.5°	401.2	399.3	397.1	395.1	393.0	391.0	389.4	388.0	386.4	385.2	383.8
145°	401.9	400.6	399.0	397.5	395.9	394.6	393.0	392.0	390.7	389.7	388.8
147.5°	400.5	399.4	398.4	397.1	396.0	394.9	393.8	393.2	392.0	391.4	390.5
150°	398.9	397.9	396.8	396.1	394.8	394.0	393.2	392.6	391.8	391.5	390.7
152.5°	395.5	394.8	393.9	393.2	392.1	391.2	390.5	390.1	389.5	389.1	388.3
155°	394.2	393.6	392.8	392.2	391.3	390.8	390.1	389.3	388.7	388.1	387.4
157.5°	394.5	393.9	393.1	392.7	391.8	391.2	390.6	390.0	389.2	388.7	388.0
160°	395.6	395.2	394.4	393.8	393.2	392.6	391.6	391.1	390.1	389.6	388.6
162.5°	398.8	397.9	397.3	396.5	395.7	395.0	394.3	393.7	393.0	392.4	391.7
165°	401.5	400.9	400.3	399.7	399.2	398.6	397.7	397.0	396.2	395.5	394.7
167.5°	406.4	406.0	405.4	404.9	404.2	403.6	402.9	402.2	401.4	400.7	399.7
170°	409.8	409.0	408.5	407.8	407.2	406.5	405.8	405.1	404.3	403.9	402.9
172.5°	413.9	413.7	413.0	412.6	411.8	411.4	410.9	410.4	409.7	409.1	408.6
175°	414.9	414.7	414.6	414.1	414.0	413.7	413.4	413.2	412.9	412.8	412.3
177.5°	416.7	416.5	416.5	416.2	416.1	416.1	415.8	415.6	415.4	415.0	414.9
180°	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0



TEST NUMBER: P1444408  
 CATALOG NUMBER: EHBR1-48-UNV-TA-L840-UPL24

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8
2.5°	41454.7	41444.2	41449.2	41429.7	41434.4	41411.0	41408.8	41382.3	41379.7	41354.8	41345.4
5°	42858.3	42835.2	42861.2	42820.6	42828.6	42775.8	42771.4	42703.1	42679.6	42594.1	42557.3
7.5°	44400.8	44392.2	44408.0	44374.1	44373.0	44325.9	44306.4	44245.3	44207.2	44117.6	44060.3
10°	44738.8	44746.7	44733.7	44736.9	44718.6	44713.5	44694.7	44682.8	44652.0	44628.8	44594.5
12.5°	43335.5	43343.9	43290.3	43324.3	43297.5	43360.2	43355.1	43428.9	43440.2	43533.5	43568.9
15°	40092.3	40082.2	39979.5	40044.2	40009.5	40146.9	40177.7	40362.5	40461.4	40698.8	40844.6
17.5°	35192.9	35166.5	35021.8	35100.6	35060.5	35263.1	35331.1	35626.8	35811.2	36193.7	36466.3
20°	29352.6	29302.0	29132.8	29225.0	29183.7	29413.9	29510.9	29868.2	30106.1	30612.7	30973.1
22.5°	23439.8	23359.8	23194.0	23280.2	23241.1	23479.6	23605.9	23964.5	24236.9	24756.9	25177.7
25°	18130.1	18058.8	17898.6	17958.9	17944.4	18146.1	18258.4	18597.6	18865.3	19360.6	19762.3
27.5°	13828.2	13754.1	13609.3	13652.0	13637.2	13809.2	13915.0	14198.3	14428.7	14845.7	15198.4
30°	10583.5	10494.0	10371.2	10394.8	10384.7	10524.0	10622.9	10861.5	11058.9	11411.4	11715.2
32.5°	8112.3	8022.3	7909.5	7920.5	7905.6	8014.9	8096.3	8303.9	8475.9	8775.6	9040.0
35°	6207.0	6312.1	6071.3	6223.8	6065.0	6298.2	6214.3	6344.0	6492.0	6744.5	6965.0
37.5°	4771.7	4698.4	4636.5	4629.8	4629.5	4683.6	4747.3	4872.3	5002.6	5190.8	5385.1
40°	3781.3	3729.9	3689.8	3686.9	3689.8	3728.3	3775.4	3861.6	3957.2	4092.3	4235.1
42.5°	3136.3	3102.1	3078.0	3076.2	3083.9	3111.2	3143.9	3195.2	3257.4	3344.8	3442.8
45°	2714.4	2695.4	2682.0	2681.2	2684.7	2699.0	2717.8	2749.8	2789.2	2843.8	2905.7
47.5°	2418.5	2413.8	2405.5	2405.8	2401.9	2407.8	2409.9	2427.8	2448.7	2489.9	2570.9
50°	2202.9	2202.9	2197.1	2196.8	2191.3	2191.0	2186.4	2193.5	2203.3	2228.8	2254.7
52.5°	2032.6	2032.0	2025.8	2024.6	2018.7	2018.4	2014.4	2017.2	2018.5	2031.4	2046.9
55°	1899.4	1895.5	1887.2	1884.6	1882.3	1885.7	1884.2	1884.3	1882.6	1888.0	1892.6
57.5°	1804.0	1798.7	1791.0	1788.7	1788.0	1792.0	1792.2	1790.8	1783.6	1778.8	1771.8
60°	1728.3	1723.2	1714.7	1712.6	1713.8	1719.3	1719.0	1714.4	1703.7	1694.4	1683.5
62.5°	1654.2	1652.0	1647.7	1647.1	1646.0	1647.0	1643.2	1638.2	1627.6	1617.7	1605.9
65°	1554.5	1555.6	1552.3	1552.9	1549.0	1548.4	1542.6	1537.8	1527.1	1518.0	1506.0
67.5°	1451.0	1451.9	1449.2	1449.2	1447.2	1447.5	1444.0	1439.5	1430.6	1423.2	1413.8
70°	1365.8	1367.9	1366.4	1366.9	1364.4	1363.5	1358.0	1353.7	1344.4	1338.2	1329.9
72.5°	1263.7	1268.3	1268.1	1269.2	1265.6	1263.7	1257.1	1251.8	1243.4	1238.4	1231.7
75°	1153.5	1159.4	1161.2	1163.8	1158.5	1155.8	1148.6	1144.3	1137.4	1134.5	1130.1
77.5°	1045.9	1052.5	1058.7	1064.6	1056.2	1048.7	1039.7	1032.8	1022.9	1019.2	1012.2
80°	925.2	936.8	950.7	962.4	947.2	931.9	917.1	906.1	893.1	887.7	879.1
82.5°	767.5	779.5	787.4	794.9	784.4	773.2	758.8	749.2	735.1	729.9	719.9
85°	583.1	597.9	602.7	606.7	600.0	594.0	580.5	562.3	553.4	539.5	532.3
87.5°	383.5	392.4	394.1	395.4	391.4	388.5	379.7	371.1	356.0	345.0	331.5
90°	167.7	172.4	167.9	169.0	164.8	166.5	158.8	157.1	145.7	142.3	132.3
92.5°	35.6	33.3	31.4	29.4	32.0	33.4	35.9	37.3	39.8	41.3	43.7
95°	47.7	45.4	43.2	40.9	42.7	44.5	46.3	48.1	49.9	51.8	53.6
97.5°	64.9	63.4	61.9	60.3	61.4	62.5	63.6	64.6	65.7	66.7	68.0
100°	82.5	81.3	80.1	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
102.5°	131.9	126.7	121.6	116.4	120.0	123.4	126.9	130.4	133.9	137.3	141.1
105°	248.0	233.9	219.9	205.7	219.4	233.0	246.7	260.3	273.9	287.9	301.6
107.5°	449.2	427.0	404.7	382.4	407.4	432.3	457.2	482.0	506.8	531.6	556.9
110°	670.8	649.6	628.3	607.1	633.5	659.9	686.2	712.6	739.1	765.4	792.1



TEST NUMBER: P1444408  
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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°	819.0	808.7	798.4	788.1	805.1	822.0	839.1	856.3	873.3	890.4	907.5
115°	858.3	857.6	857.0	856.4	864.5	872.5	880.6	888.7	896.9	904.9	913.2
117.5°	812.2	817.8	823.5	829.3	831.9	834.4	837.3	839.8	842.7	845.3	848.3
120°	729.4	736.8	744.4	752.2	751.1	750.1	749.1	748.1	747.5	746.6	746.2
122.5°	632.4	639.9	647.6	655.2	653.0	650.7	648.6	646.5	644.7	642.6	640.9
125°	542.8	549.0	555.3	561.7	559.4	557.2	554.9	553.2	551.2	549.3	547.7
127.5°	472.4	476.2	479.8	483.8	482.7	481.7	481.1	480.2	479.6	479.2	478.8
130°	425.4	426.9	428.7	430.2	430.5	430.8	431.7	432.3	433.2	433.9	435.1
132.5°	399.3	399.1	399.4	399.6	400.8	402.0	403.6	405.1	407.1	408.7	411.3
135°	385.6	384.9	384.2	383.8	385.6	387.3	389.5	391.6	394.1	396.7	399.5
137.5°	381.3	380.2	379.3	378.3	380.1	381.9	384.0	386.1	388.7	391.2	394.1
140°	381.8	380.7	380.1	379.2	381.0	382.6	384.7	386.9	389.4	391.9	394.6
142.5°	382.9	381.7	381.1	380.5	381.8	383.5	385.5	387.5	389.7	391.9	394.4
145°	387.9	387.0	386.5	385.8	386.9	388.1	389.5	391.0	392.7	394.2	396.3
147.5°	389.9	389.3	389.0	388.5	389.4	390.2	391.2	392.1	393.6	394.8	396.3
150°	390.6	390.0	389.7	389.5	390.0	390.4	391.2	391.6	392.5	393.3	394.5
152.5°	388.2	387.5	387.6	387.2	387.5	387.9	388.5	389.0	389.7	390.3	391.4
155°	387.1	386.5	386.0	385.6	385.6	385.6	385.9	385.9	386.3	386.5	387.0
157.5°	387.7	387.1	386.7	386.1	386.0	385.6	385.7	385.5	385.7	385.3	385.5
160°	388.2	387.3	386.6	385.9	385.9	385.6	385.8	385.5	385.6	385.6	385.8
162.5°	391.2	390.6	390.2	389.6	389.3	388.6	388.3	387.7	387.4	387.1	387.0
165°	393.8	393.1	392.5	391.6	391.4	391.2	390.8	390.6	390.4	390.1	390.0
167.5°	399.3	398.4	397.7	396.9	396.5	395.7	395.4	394.8	394.4	393.9	393.8
170°	402.5	401.7	401.3	400.7	400.4	399.9	399.8	399.3	399.2	399.0	399.0
172.5°	408.1	407.5	407.1	406.6	406.3	406.0	405.8	405.7	405.4	405.4	405.2
175°	412.1	411.8	411.7	411.4	411.1	410.9	410.7	410.5	410.4	410.0	409.9
177.5°	414.4	414.2	414.0	413.9	413.7	413.7	413.7	413.7	413.7	413.6	413.4
180°	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0



TEST NUMBER: P1444408  
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**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8
2.5°	41318.7	41307.8	41279.2	41265.1	41238.6	41225.3	41204.6	41191.3	41174.7	41162.3	41155.8
5°	42463.5	42410.6	42304.7	42239.6	42125.2	42049.9	41936.4	41853.1	41735.9	41649.4	41538.6
7.5°	43952.8	43871.8	43736.2	43633.3	43473.4	43351.1	43171.6	43028.0	42829.7	42665.0	42462.4
10°	44559.3	44511.9	44451.1	44384.9	44296.3	44209.4	44086.8	43961.9	43795.4	43629.8	43413.4
12.5°	43663.1	43707.6	43795.4	43836.4	43903.6	43926.4	43957.2	43942.8	43915.5	43847.9	43749.8
15°	41124.7	41310.7	41604.5	41807.8	42092.6	42292.6	42557.3	42727.6	42923.8	43041.0	43152.4
17.5°	36949.3	37309.0	37827.5	38241.2	38796.6	39248.1	39801.3	40236.0	40737.9	41122.9	41532.8
20°	31601.2	32104.9	32820.7	33428.6	34233.4	34915.7	35789.9	36522.3	37376.6	38088.7	38857.3
22.5°	25845.2	26437.7	27257.8	27991.2	28952.1	29810.4	30905.8	31874.1	33029.0	34063.6	35208.0
25°	20415.1	20995.8	21831.3	22590.5	23627.9	24573.4	25770.1	26881.0	28221.1	29471.0	30905.8
27.5°	15758.6	16274.3	17008.7	17692.1	18642.3	19570.5	20784.9	21969.5	23399.5	24742.7	26288.9
30°	12170.1	12588.5	13176.9	13726.6	14489.4	15248.6	16330.3	17425.8	18848.8	20240.6	21825.9
32.5°	9431.4	9788.1	10279.4	10725.7	11313.4	11885.8	12682.4	13557.8	14806.1	16139.3	17672.0
35°	7300.9	7606.1	8024.3	8408.7	8892.0	9346.5	9940.9	10565.7	11518.3	12639.7	14011.5
37.5°	5820.7	5945.1	6243.6	6558.5	6960.0	7333.4	7798.4	8260.4	8942.0	9826.8	10947.3
40°	4426.6	4624.1	4867.0	5115.1	5419.1	5718.6	6228.8	6474.3	6923.1	7558.2	8428.0
42.5°	3571.7	3710.6	3881.6	4054.1	4265.9	4474.5	4732.5	4995.4	5330.7	5761.0	6379.6
45°	2988.9	3079.5	3189.7	3304.6	3443.7	3586.1	3758.8	3939.2	4166.6	4431.0	4806.8
47.5°	2599.5	2649.5	2721.5	2800.0	2895.3	2993.9	3106.2	3221.2	3362.5	3519.3	3733.3
50°	2295.6	2337.3	2393.2	2445.7	2511.5	2612.5	2657.1	2720.6	2805.5	2897.8	3017.5
52.5°	2075.6	2103.5	2138.6	2168.6	2210.3	2248.2	2297.7	2341.5	2400.2	2455.6	2532.9
55°	1904.4	1914.5	1934.4	1953.8	1982.6	2008.4	2042.4	2071.1	2108.5	2141.7	2190.4
57.5°	1772.1	1773.0	1782.2	1792.3	1810.9	1827.1	1850.5	1869.3	1895.3	1916.5	1945.7
60°	1677.1	1672.0	1673.8	1677.4	1687.9	1698.3	1713.4	1725.6	1741.9	1753.9	1770.3
62.5°	1598.0	1590.0	1588.2	1587.3	1592.5	1596.2	1604.4	1610.4	1619.7	1624.9	1633.7
65°	1498.1	1488.7	1485.0	1480.7	1482.2	1481.0	1484.1	1484.2	1489.0	1490.1	1495.1
67.5°	1407.5	1399.6	1394.8	1389.1	1386.5	1382.3	1380.5	1376.5	1375.9	1372.5	1371.7
70°	1324.8	1317.1	1313.1	1307.8	1305.0	1299.5	1296.2	1289.4	1285.5	1279.2	1275.7
72.5°	1229.2	1224.8	1223.6	1220.0	1219.0	1215.9	1214.5	1209.8	1207.1	1201.7	1198.7
75°	1129.2	1125.6	1125.3	1121.7	1121.4	1117.7	1116.8	1111.7	1109.1	1103.7	1101.5
77.5°	1010.1	1004.9	1003.3	999.1	1000.1	998.3	999.8	996.0	994.4	989.0	987.3
80°	876.0	869.4	866.5	860.9	862.4	859.9	862.4	862.1	864.1	859.9	859.1
82.5°	717.2	709.8	708.4	704.5	707.1	707.4	713.1	710.0	711.2	707.2	708.9
85°	521.9	516.4	508.7	507.6	502.8	507.8	501.3	505.7	498.4	503.5	496.8
87.5°	323.6	312.2	306.2	298.2	295.0	287.3	284.0	278.4	280.1	277.5	279.0
90°	130.9	122.1	121.5	115.0	115.7	110.4	112.7	109.4	112.4	108.9	112.3
92.5°	45.2	47.1	50.7	54.7	58.0	61.6	65.3	69.3	72.6	76.6	79.9
95°	55.4	57.2	62.1	66.9	71.7	76.6	81.6	86.5	91.3	96.2	101.0
97.5°	69.0	70.1	75.0	79.8	84.7	89.5	94.3	99.5	104.3	109.2	114.0
100°	78.9	79.0	92.8	106.6	120.4	134.4	148.1	161.9	176.1	189.8	203.6
102.5°	144.5	148.0	182.8	217.8	252.7	287.5	322.6	357.6	392.4	427.6	462.5
105°	315.2	328.9	382.1	435.5	488.7	541.9	595.4	648.9	702.2	755.5	808.8
107.5°	581.7	606.6	654.8	703.0	751.0	799.3	847.8	896.0	944.1	992.5	1041.0
110°	818.5	845.0	877.2	909.7	942.1	974.4	1006.9	1039.3	1071.9	1104.4	1137.0



TEST NUMBER: P1444408  
 CATALOG NUMBER: EHBR1-48-UNV-TA-L840-UPL24

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	924.5	941.8	960.7	979.8	998.7	1017.8	1036.7	1055.9	1075.1	1094.4	1113.4
115°	921.5	929.9	937.3	944.9	952.4	960.1	967.6	975.5	983.5	991.1	999.0
117.5°	851.0	854.2	855.4	856.9	858.4	860.2	861.7	863.5	865.3	867.1	868.6
120°	745.4	744.7	743.8	743.1	742.2	741.6	741.0	740.4	740.0	739.5	738.9
122.5°	639.0	637.6	636.7	636.1	635.5	635.1	634.5	634.4	634.0	633.7	633.1
125°	546.1	544.7	546.3	547.9	549.6	551.4	553.0	555.3	557.1	559.0	561.0
127.5°	478.4	478.4	481.8	485.2	488.8	492.3	496.0	499.8	503.3	507.2	510.8
130°	436.3	437.7	441.8	446.4	450.6	455.2	459.7	464.4	468.7	473.2	477.7
132.5°	413.2	415.8	419.7	424.2	428.4	432.8	437.3	441.6	446.1	450.6	454.8
135°	402.3	405.4	409.3	413.3	417.3	421.5	425.5	429.7	433.6	437.7	441.6
137.5°	396.8	399.9	403.3	406.5	409.8	413.4	416.8	420.2	423.5	426.9	430.1
140°	397.3	400.4	402.4	404.8	406.9	409.3	411.3	413.7	415.6	418.1	420.0
142.5°	396.8	399.7	401.0	402.6	404.2	406.1	407.7	409.4	410.8	412.2	413.6
145°	398.2	400.4	400.9	401.7	402.3	403.0	403.5	404.3	404.6	405.2	405.6
147.5°	397.8	399.5	399.5	400.0	400.3	400.5	400.7	401.1	401.0	401.4	401.5
150°	395.4	396.6	396.3	396.4	396.1	396.1	395.8	395.9	395.6	395.6	395.3
152.5°	392.1	393.1	392.5	392.5	392.0	391.7	391.3	391.1	390.7	390.4	390.2
155°	387.2	387.6	387.3	387.2	386.9	386.6	386.3	386.5	386.3	386.2	386.2
157.5°	385.4	385.5	385.3	385.2	384.8	384.9	384.7	384.7	384.7	385.1	385.2
160°	385.6	385.8	385.5	385.3	385.2	385.0	384.9	385.0	385.1	385.5	385.7
162.5°	386.4	386.3	386.0	385.8	385.7	385.7	385.7	386.0	386.0	386.3	386.6
165°	390.1	390.2	389.6	389.6	389.3	389.1	389.0	389.0	389.2	389.3	389.5
167.5°	393.4	393.3	393.3	393.5	393.5	393.6	393.8	394.4	394.5	395.1	395.3
170°	398.9	399.0	398.8	398.7	398.6	398.6	398.6	398.6	398.8	398.9	398.9
172.5°	405.2	405.2	404.9	404.6	404.3	404.2	403.9	403.9	403.6	403.4	403.1
175°	409.6	409.5	409.3	409.1	408.9	408.6	408.4	408.0	407.8	407.7	407.5
177.5°	413.3	413.0	412.8	412.8	412.7	412.5	412.5	412.4	412.4	412.4	412.1
180°	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0



TEST NUMBER: P1444408  
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**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8
2.5°	41147.5	41147.1	41143.1	41144.9	41145.7	41148.6	41152.2	41155.8	41156.6	41159.4	41160.0
5°	41455.5	41353.7	41278.4	41195.6	41133.3	41077.3	41040.0	41010.3	40998.8	41001.7	41008.6
7.5°	42290.5	42080.3	41907.0	41709.8	41545.5	41371.4	41227.1	41090.0	40990.0	40915.6	40873.9
10°	43206.8	42950.9	42706.0	42420.8	42150.2	41861.4	41599.8	41336.4	41116.7	40926.0	40786.0
12.5°	43613.4	43432.5	43220.9	42951.6	42662.1	42328.9	41992.4	41631.6	41296.2	40984.7	40733.5
15°	43182.9	43183.2	43106.1	42976.9	42775.8	42509.5	42188.9	41812.9	41417.0	41013.1	40644.1
17.5°	41816.2	42074.1	42217.5	42308.3	42280.4	42182.3	41978.2	41689.5	41320.5	40890.2	40440.0
20°	39469.3	40077.4	40511.0	40901.0	41119.6	41264.8	41250.2	41132.7	40869.9	40504.1	40035.2
22.5°	36181.4	37202.2	38007.8	38758.9	39285.7	39714.2	39918.0	40004.4	39885.4	39630.5	39190.2
25°	32188.1	33576.1	34760.6	35910.1	36772.4	37513.4	37958.8	38272.6	38297.5	38164.3	37771.5
27.5°	27750.8	29389.2	30888.3	32416.0	33628.7	34694.0	35393.0	35904.6	36067.1	36045.7	35688.9
30°	23319.2	25039.1	26691.6	28473.1	29973.6	31334.6	32257.9	32949.9	33216.5	33267.6	32924.5
32.5°	19134.0	20830.0	22477.9	24340.3	25991.5	27551.5	28642.4	29464.2	29774.3	29847.3	29471.0
35°	15335.7	16900.4	18466.4	20271.4	21913.2	23528.5	24677.9	25538.4	25828.0	25876.8	25441.0
37.5°	12041.8	13375.0	14739.6	16359.1	17866.8	19383.8	20475.9	21284.6	21495.5	21482.5	20989.3
40°	9268.4	10304.8	11401.3	12734.6	13988.1	15270.4	16192.7	16861.2	16972.0	16890.0	16371.9
42.5°	6969.4	7717.8	8512.8	9508.1	10438.1	11397.9	12068.9	12565.2	12580.9	12451.2	11986.2
45°	5192.1	5922.4	6255.8	6857.6	7456.6	8094.8	8504.6	8811.1	8763.7	8649.5	8296.1
47.5°	3958.1	4238.8	4536.5	4909.6	5258.5	5982.8	5929.1	6421.4	6066.8	6308.6	5776.3
50°	3143.1	3300.0	3460.4	3658.4	3840.8	4030.0	4148.3	4236.7	4225.2	4187.2	4085.3
52.5°	2674.1	2722.6	2801.5	2914.2	3015.9	3118.3	3185.7	3240.5	3241.5	3226.3	3174.6
55°	2234.9	2296.5	2353.3	2426.8	2552.3	2571.5	2668.1	2648.5	2656.1	2629.4	2656.8
57.5°	1970.5	2006.3	2038.3	2082.1	2118.3	2160.6	2185.5	2209.5	2207.3	2202.0	2175.7
60°	1783.1	1802.9	1820.6	1846.2	1866.1	1890.0	1901.5	1913.7	1909.7	1900.9	1877.4
62.5°	1638.7	1651.0	1661.2	1677.7	1689.8	1704.6	1710.7	1715.8	1710.7	1702.2	1681.5
65°	1496.1	1504.1	1510.6	1523.0	1531.6	1544.3	1549.3	1554.2	1549.4	1542.9	1527.1
67.5°	1367.6	1368.4	1367.8	1372.8	1375.5	1383.1	1385.4	1388.9	1383.4	1377.7	1364.4
70°	1270.1	1268.1	1265.7	1267.7	1268.1	1271.8	1272.4	1271.8	1265.3	1255.4	1240.9
72.5°	1193.9	1192.8	1191.0	1192.7	1192.7	1196.1	1195.0	1193.3	1185.2	1175.7	1161.4
75°	1096.0	1095.2	1091.5	1091.6	1088.6	1089.7	1085.7	1083.5	1074.4	1066.4	1053.6
77.5°	981.4	979.5	974.2	972.2	966.3	963.9	956.4	952.7	943.5	937.1	926.1
80°	853.4	851.4	844.5	840.7	831.5	825.7	814.7	808.4	797.8	791.6	780.9
82.5°	705.4	706.2	699.2	694.5	681.4	671.3	656.6	648.6	637.0	630.8	619.8
85°	501.7	494.5	498.3	498.0	489.8	481.0	469.1	460.7	450.9	445.1	437.3
87.5°	275.2	276.9	274.9	273.2	267.4	262.9	253.6	248.7	241.6	238.0	232.2
90°	103.6	102.0	93.7	92.2	84.0	80.1	70.8	67.9	59.4	57.7	52.1
92.5°	75.8	71.7	67.9	63.6	59.7	55.7	51.6	47.5	43.4	41.7	40.7
95°	95.0	89.4	83.4	77.5	71.6	65.7	59.8	54.0	48.0	46.8	45.6
97.5°	107.2	100.2	93.2	86.5	79.5	72.5	65.7	58.7	51.8	51.0	50.2
100°	187.7	171.8	155.7	139.6	123.7	107.7	91.7	75.7	59.8	58.9	58.0
102.5°	423.6	384.8	346.0	307.2	268.7	229.7	190.9	152.0	113.2	107.6	102.0
105°	750.1	691.3	632.7	573.9	515.2	456.4	397.6	338.7	280.0	261.1	242.3
107.5°	985.8	930.5	875.5	820.3	765.1	710.0	654.7	599.4	544.2	511.0	477.8
110°	1093.3	1049.5	1006.0	962.2	918.5	874.7	830.9	787.1	743.3	714.8	686.4



TEST NUMBER: P1444408  
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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°	1081.6	1049.7	1018.1	985.9	954.1	921.9	890.1	858.0	825.9	808.7	791.5
115°	980.1	961.1	942.0	922.9	904.0	884.9	865.7	846.3	827.1	818.2	809.2
117.5°	859.5	849.9	840.5	831.0	821.4	811.7	802.2	792.5	782.8	779.9	776.9
120°	736.8	734.2	731.5	729.0	726.4	723.9	721.1	718.4	715.5	716.3	717.1
122.5°	635.1	636.7	638.5	639.9	641.7	643.1	645.0	646.2	647.7	650.6	653.4
125°	564.5	567.9	571.4	574.7	578.1	581.4	584.9	587.9	591.5	594.1	597.3
127.5°	514.9	518.5	522.6	526.1	530.1	533.8	537.6	541.0	544.9	547.6	550.6
130°	481.3	484.5	488.2	491.4	494.8	498.1	501.5	504.9	508.2	510.7	513.1
132.5°	457.9	461.1	464.3	467.2	470.5	473.4	476.7	479.7	483.0	484.8	486.9
135°	444.4	446.6	449.2	451.5	454.3	456.5	459.1	461.7	464.4	465.9	467.7
137.5°	432.3	434.3	436.6	438.5	440.8	442.9	445.3	447.4	450.0	450.9	452.4
140°	422.3	424.3	426.5	428.6	430.9	433.0	435.7	437.9	440.5	441.6	443.0
142.5°	415.4	417.0	418.7	420.5	422.5	424.2	426.2	428.4	430.5	431.8	433.0
145°	407.6	409.5	411.5	413.3	415.3	417.3	419.8	422.1	424.6	425.4	426.6
147.5°	403.0	404.5	406.3	408.0	409.9	411.6	413.8	415.8	418.0	419.0	419.9
150°	397.1	398.7	400.4	402.0	404.0	405.9	408.1	410.2	412.9	413.9	415.0
152.5°	391.9	393.5	395.3	397.3	399.4	401.5	403.7	406.0	408.4	409.5	410.6
155°	388.1	389.6	391.6	393.5	395.6	397.4	399.8	401.9	404.2	405.4	406.4
157.5°	387.0	388.3	390.1	391.9	393.7	395.5	397.7	399.5	401.7	402.6	403.5
160°	387.3	388.6	390.3	392.0	393.6	395.3	397.1	398.8	400.6	401.6	402.5
162.5°	388.2	389.8	391.4	392.8	394.6	396.2	398.1	399.7	401.5	402.2	403.1
165°	390.7	391.9	393.2	394.3	395.7	396.7	398.3	399.5	401.0	401.7	402.7
167.5°	396.5	397.3	398.2	399.2	400.3	401.3	402.4	403.4	404.6	405.4	406.1
170°	399.8	400.6	401.3	402.2	403.1	404.0	404.9	405.7	406.9	407.5	408.2
172.5°	403.7	404.0	404.8	405.2	405.8	406.3	407.0	407.7	408.3	409.0	409.7
175°	408.0	408.1	408.5	408.6	408.9	409.3	409.8	410.2	410.5	411.0	411.4
177.5°	412.2	412.4	412.5	412.7	413.1	413.3	413.5	413.7	414.0	414.5	415.0
180°	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0



TEST NUMBER: P1444408  
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**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8
2.5°	41158.7	41158.2	41156.9	41155.0	41153.2	41154.3	41156.1	41160.8	41169.1	41181.0	41196.7
5°	41014.2	41022.6	41027.4	41028.0	41023.7	41021.1	41025.1	41036.4	41059.2	41097.5	41149.2
7.5°	40862.7	40873.1	40889.0	40901.0	40903.2	40900.3	40901.0	40918.7	40960.9	41035.3	41139.9
10°	40700.9	40670.2	40686.4	40716.1	40739.7	40743.9	40746.9	40767.8	40829.4	40942.0	41109.9
12.5°	40551.6	40454.2	40435.4	40462.2	40498.0	40509.4	40506.3	40515.3	40587.4	40736.5	40970.4
15°	40355.1	40171.8	40109.3	40116.1	40160.4	40176.3	40164.7	40146.9	40217.1	40399.1	40702.1
17.5°	40037.0	39741.7	39626.6	39621.5	39673.3	39687.0	39658.5	39603.5	39672.7	39899.7	40275.7
20°	39553.5	39117.5	38900.8	38866.4	38922.6	38906.1	38849.4	38766.1	38857.0	39133.2	39580.3
22.5°	38684.4	38131.9	37761.6	37642.3	37709.5	37664.7	37581.8	37475.5	37596.2	37909.9	38408.0
25°	37264.1	36625.8	36118.9	35834.5	35888.1	35807.7	35717.6	35588.7	35732.7	36092.8	36641.0
27.5°	35176.6	34439.2	33811.1	33340.3	33357.5	33252.3	33148.5	32981.7	33161.5	33587.8	34206.1
30°	32400.6	31547.3	30782.4	30142.7	30085.5	29983.3	29877.0	29658.1	29883.1	30393.4	31115.9
32.5°	28914.5	27967.1	27083.3	26274.4	26121.8	26022.2	25927.5	25675.5	25970.1	26565.1	27395.2
35°	24837.5	23828.4	22870.2	21946.4	21693.5	21593.9	21511.1	21269.7	21637.4	22284.8	23181.3
37.5°	20362.6	19331.7	18380.3	17433.0	17075.8	16940.6	16880.5	16722.4	17146.5	17786.9	18687.1
40°	15768.7	14810.1	13957.2	13120.4	12713.2	12506.5	12474.9	12446.1	12856.2	13411.7	14228.8
42.5°	11471.0	10697.7	10040.1	9400.4	9031.5	8749.1	8748.9	8834.7	9203.8	9619.9	10250.0
45°	7934.9	7415.9	6996.9	6569.6	6683.7	6120.8	6451.5	6281.8	6464.3	6732.6	7142.3
47.5°	5454.5	5171.1	4941.0	4702.2	4528.2	4362.0	4376.5	4483.7	4655.5	4814.7	5027.9
50°	3975.4	3831.1	3713.8	3589.9	3503.2	3429.9	3434.2	3480.6	3570.9	3654.8	3766.3
52.5°	3115.0	3035.4	2971.7	2903.2	2857.7	2821.3	2823.3	2845.8	2894.6	2942.4	3006.4
55°	2567.5	2557.9	2475.1	2413.5	2390.1	2365.7	2370.1	2378.9	2412.2	2440.2	2482.5
57.5°	2151.5	2114.4	2089.5	2057.1	2042.2	2025.2	2029.0	2032.3	2054.5	2073.3	2103.8
60°	1857.9	1831.5	1813.9	1791.9	1782.1	1771.2	1773.6	1775.6	1789.9	1802.2	1824.0
62.5°	1662.7	1639.1	1623.8	1606.8	1600.0	1592.6	1594.3	1594.9	1603.8	1612.8	1629.3
65°	1513.0	1494.3	1481.6	1467.0	1459.7	1452.2	1452.9	1452.9	1460.4	1467.0	1479.4
67.5°	1354.8	1340.7	1332.4	1320.8	1315.9	1308.1	1308.0	1305.4	1310.4	1313.0	1321.4
70°	1227.8	1213.5	1202.9	1191.7	1185.7	1178.8	1178.9	1179.1	1184.8	1190.7	1201.6
72.5°	1149.3	1135.6	1126.2	1116.5	1110.7	1104.9	1103.7	1103.1	1107.3	1110.5	1117.7
75°	1045.3	1034.4	1029.0	1019.8	1015.2	1008.6	1007.5	1004.5	1006.5	1007.1	1012.4
77.5°	919.2	908.9	904.5	895.2	891.4	883.9	883.3	879.8	881.4	880.4	884.5
80°	775.5	766.1	763.7	756.0	754.2	747.4	746.3	742.1	743.3	740.1	741.7
82.5°	615.1	606.5	604.7	597.6	597.6	591.4	591.1	584.8	584.8	579.5	570.9
85°	433.3	427.0	424.4	418.6	416.9	411.9	409.3	403.3	401.2	397.3	396.1
87.5°	228.6	224.7	221.2	218.4	213.3	204.3	203.5	197.3	197.8	193.3	193.6
90°	51.1	45.8	45.0	40.2	39.0	35.6	34.7	34.7	35.5	35.6	36.5
92.5°	39.3	37.9	36.5	35.2	33.8	32.5	31.1	32.5	33.8	35.2	36.5
95°	44.4	43.2	42.0	40.8	39.6	38.3	37.1	38.3	39.6	41.0	42.2
97.5°	49.4	48.7	47.9	47.2	46.4	45.7	44.9	45.9	46.6	47.4	48.1
100°	57.1	56.2	55.3	54.4	53.5	52.6	51.7	52.9	53.8	54.7	55.6
102.5°	96.5	90.9	85.3	79.7	74.1	68.5	62.9	68.5	74.1	79.9	85.5
105°	223.3	204.5	185.7	166.7	147.7	128.8	109.9	129.0	147.8	166.8	186.0
107.5°	444.5	411.5	378.1	344.9	311.5	278.2	244.9	278.4	311.8	345.1	378.4
110°	657.7	629.0	600.4	571.7	542.9	514.3	485.5	514.4	543.2	572.0	600.8



TEST NUMBER: P1444408  
 CATALOG NUMBER: EHBR1-48-UNV-TA-L840-UPL24

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	774.0	756.7	739.3	722.1	704.5	687.2	669.7	687.5	705.1	722.8	740.3
115°	800.3	791.3	782.3	773.2	763.9	754.8	745.4	755.3	764.7	774.1	783.5
117.5°	773.8	771.1	767.9	765.0	761.8	758.8	755.4	759.1	762.5	766.3	769.5
120°	717.5	718.4	719.0	719.5	720.1	720.5	720.8	721.1	721.1	721.1	721.0
122.5°	656.3	659.1	661.7	664.4	667.0	669.6	671.9	670.2	668.3	666.3	664.1
125°	600.1	603.3	606.0	608.9	611.5	614.4	616.5	615.2	613.2	611.3	608.9
127.5°	553.3	556.1	558.7	561.6	563.8	566.3	568.4	567.2	565.4	563.8	561.8
130°	515.3	517.8	519.8	522.1	524.0	525.7	527.3	526.6	525.6	524.8	523.4
132.5°	488.8	491.0	492.8	494.6	495.9	497.6	498.5	498.5	497.9	497.5	496.4
135°	469.3	470.8	472.2	473.9	474.9	476.0	476.7	477.2	477.0	476.9	476.1
137.5°	453.5	454.9	455.8	456.8	457.5	458.1	458.4	459.2	459.5	460.1	459.9
140°	444.1	445.5	446.4	447.3	448.2	449.0	449.2	450.1	450.4	450.7	450.5
142.5°	434.2	435.4	436.5	437.6	438.2	438.9	439.2	440.0	440.3	440.6	440.6
145°	427.6	428.5	429.4	430.4	430.8	431.3	431.2	432.5	432.9	433.4	433.6
147.5°	420.9	422.0	422.6	423.3	423.8	424.3	424.5	425.2	425.8	426.2	426.6
150°	416.1	417.3	418.1	419.1	419.8	420.6	420.7	421.5	421.7	422.1	422.0
152.5°	411.6	412.5	413.4	414.1	414.9	415.4	415.7	416.3	416.9	417.3	417.5
155°	407.4	408.4	409.4	410.3	410.9	411.7	412.3	412.9	413.4	413.7	414.0
157.5°	404.4	405.5	406.2	407.1	407.7	408.7	409.4	410.1	410.6	411.2	411.5
160°	403.2	404.3	404.9	405.8	406.6	407.3	407.9	408.7	409.4	409.8	410.5
162.5°	403.9	404.8	405.3	406.2	406.9	407.7	408.3	409.0	409.8	410.4	410.8
165°	403.7	404.5	405.3	406.2	407.1	408.0	408.7	409.3	409.7	410.1	410.4
167.5°	406.9	407.7	408.4	409.3	410.0	410.9	411.7	412.1	412.4	412.7	413.0
170°	408.9	409.7	410.5	411.0	411.9	412.6	413.1	413.3	413.7	413.9	414.3
172.5°	410.3	411.2	411.8	412.7	413.3	414.1	414.7	415.0	415.0	415.0	414.9
175°	411.9	412.7	413.1	413.7	414.2	414.8	415.4	415.2	415.4	415.2	415.2
177.5°	415.7	416.4	417.0	417.4	418.1	418.5	419.1	418.6	418.4	418.0	417.6
180°	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0



TEST NUMBER: P1444408  
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**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8
2.5°	41218.7	41239.3	41270.9	41299.5	41342.6	41376.5	41427.4	41466.2	41523.7	41561.1	41623.7
5°	41222.4	41303.0	41409.1	41512.6	41637.0	41749.9	41890.2	42009.8	42150.9	42266.0	42410.3
7.5°	41280.7	41436.2	41622.6	41810.3	42022.8	42221.5	42445.4	42648.0	42869.5	43057.0	43261.7
10°	41323.7	41563.5	41838.3	42114.7	42405.5	42675.9	42948.8	43184.6	43405.0	43586.4	43746.6
12.5°	41265.4	41595.8	41948.3	42288.7	42612.2	42892.0	43126.8	43308.1	43433.3	43518.3	43538.1
15°	41067.2	41464.8	41848.1	42187.0	42455.5	42662.5	42769.7	42819.8	42766.1	42676.7	42480.1
17.5°	40697.0	41116.3	41459.0	41726.4	41868.3	41924.5	41835.7	41681.2	41379.4	41044.4	40560.6
20°	40018.2	40408.9	40657.5	40803.4	40765.4	40625.1	40289.9	39882.4	39279.9	38637.7	37790.3
22.5°	38827.6	39169.3	39301.7	39312.5	39080.9	38729.6	38125.0	37426.2	36475.7	35487.3	34272.0
25°	37040.5	37339.8	37360.6	37243.1	36819.3	36249.8	35362.2	34373.7	33082.0	31765.1	30242.2
27.5°	34616.9	34903.8	34833.6	34614.2	34025.9	33263.9	32127.4	30850.4	29257.9	27702.6	26017.9
30°	31570.1	31877.0	31794.5	31513.2	30813.4	29912.8	28575.5	27091.9	25323.8	23662.7	21955.4
32.5°	27924.1	28312.0	28255.1	27987.7	27257.5	26293.6	24842.7	23269.1	21460.1	19823.1	18162.4
35°	23779.9	24250.9	24275.3	24100.5	23422.6	22469.9	21037.1	19514.0	17781.3	16236.8	14702.6
37.5°	19315.0	19861.1	19973.3	19926.1	19364.3	18523.3	17217.8	15851.4	14316.5	12962.8	11650.7
40°	14825.3	15378.2	15570.0	15626.9	15212.3	14560.9	13489.4	12386.6	11135.2	10038.3	8996.5
42.5°	10731.0	11221.1	11406.4	11523.1	11264.3	10829.9	10048.3	9247.4	8330.7	7539.6	6781.1
45°	7453.0	7799.6	7940.5	8058.0	7917.0	7671.9	7178.3	6677.5	6072.3	5555.4	5065.9
47.5°	5210.8	5402.0	5495.0	5551.9	5497.3	5369.5	5100.9	4810.7	4469.2	4167.1	3876.6
50°	3862.4	3964.1	4012.8	4045.7	4005.8	3934.8	3789.5	3631.5	3443.9	3272.8	3105.5
52.5°	3060.8	3119.1	3148.1	3165.7	3142.9	3099.5	3014.9	2921.3	2808.8	2703.0	2647.4
55°	2578.5	2575.5	2642.4	2610.1	2642.4	2570.3	2555.1	2452.2	2358.7	2293.0	2221.8
57.5°	2126.5	2156.7	2169.6	2184.0	2174.7	2161.5	2125.6	2088.6	2039.4	1998.2	1954.2
60°	1840.7	1865.6	1879.8	1894.0	1893.1	1888.1	1867.4	1845.3	1814.5	1789.9	1763.2
62.5°	1643.9	1665.5	1679.4	1693.0	1694.2	1692.2	1676.5	1661.2	1640.2	1624.8	1606.4
65°	1489.0	1504.1	1513.6	1524.5	1523.9	1521.0	1506.7	1494.0	1476.8	1466.1	1452.6
67.5°	1326.9	1338.4	1345.7	1356.0	1358.0	1358.6	1350.7	1344.8	1336.4	1333.4	1328.8
70°	1211.7	1225.6	1237.4	1250.4	1257.4	1260.8	1257.4	1254.4	1249.4	1247.3	1243.8
72.5°	1124.4	1136.2	1145.4	1157.2	1163.8	1168.5	1165.9	1164.2	1159.9	1159.3	1156.9
75°	1016.1	1024.2	1029.4	1038.3	1041.8	1046.2	1044.2	1045.3	1043.9	1047.3	1047.1
77.5°	885.8	891.9	894.3	900.6	901.3	906.7	907.9	914.2	918.6	928.4	933.6
80°	739.2	743.0	743.0	749.6	752.5	761.6	765.8	776.1	780.9	789.5	790.3
82.5°	574.2	569.8	574.2	571.5	579.9	590.0	591.4	600.1	602.1	607.6	603.3
85°	392.6	392.3	388.8	389.4	386.7	388.0	386.4	388.2	386.5	386.7	382.8
87.5°	188.1	189.8	185.7	187.1	183.0	184.8	181.3	184.1	180.0	180.6	174.5
90°	36.9	37.7	38.1	39.0	40.4	42.7	45.2	47.6	50.7	53.1	55.8
92.5°	37.9	39.5	40.9	42.2	43.6	47.7	51.8	55.9	60.0	64.1	68.1
95°	43.4	44.6	45.8	47.3	48.5	54.5	60.3	66.3	72.2	78.1	84.0
97.5°	49.2	49.9	50.8	51.5	52.4	59.3	66.3	73.3	80.2	87.2	94.0
100°	56.6	57.5	58.4	59.5	60.4	76.5	92.5	108.7	124.7	140.6	156.6
102.5°	91.2	96.8	102.4	108.3	113.9	152.9	191.8	230.8	269.4	308.2	347.1
105°	204.8	223.8	243.1	261.9	280.9	339.8	398.8	457.8	516.4	575.1	634.1
107.5°	411.9	445.2	478.7	512.1	545.4	600.9	656.1	711.4	766.9	822.1	877.2
110°	629.9	658.4	687.4	716.3	745.0	788.8	832.9	876.7	920.7	964.5	1008.3



TEST NUMBER: P1444408  
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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°	758.0	775.4	793.1	810.3	827.9	860.0	892.5	924.4	956.8	988.6	1020.8
115°	793.0	801.9	811.2	820.3	829.7	849.1	868.2	887.7	907.1	926.2	945.5
117.5°	772.9	776.1	779.6	782.4	785.7	795.6	805.4	815.2	825.1	834.9	844.6
120°	720.8	720.4	720.1	719.5	719.2	721.9	725.1	727.9	730.8	733.5	736.3
122.5°	662.0	659.5	657.2	654.6	652.1	650.6	649.4	647.9	646.8	645.3	643.8
125°	606.7	604.0	601.7	598.8	596.2	593.1	590.2	586.8	583.7	580.5	577.3
127.5°	560.1	557.6	555.6	552.9	550.5	546.8	543.3	539.7	536.4	532.6	529.1
130°	522.0	520.1	518.6	516.3	514.6	511.2	508.2	504.9	501.7	498.5	495.3
132.5°	495.5	494.2	492.9	491.1	489.8	486.7	484.1	480.9	478.1	475.0	472.3
135°	475.7	474.7	474.0	472.8	471.8	469.2	467.1	464.6	462.3	460.1	457.8
137.5°	459.9	459.3	458.9	458.3	457.6	455.5	453.6	451.5	449.7	447.6	445.8
140°	450.6	450.2	449.8	449.2	448.6	446.5	444.6	442.3	440.4	438.2	436.3
142.5°	440.4	440.1	439.8	439.2	438.8	437.0	435.6	434.0	432.3	430.6	429.0
145°	433.6	433.4	433.5	433.0	433.0	430.9	429.3	427.3	425.8	423.8	422.2
147.5°	426.8	426.7	426.8	426.7	426.8	425.1	423.9	422.3	421.1	419.3	418.1
150°	422.2	422.2	422.2	421.9	421.8	420.1	418.9	417.4	416.2	414.5	413.4
152.5°	417.6	417.8	417.9	418.0	418.1	416.7	415.4	413.9	412.5	411.0	409.7
155°	414.3	414.4	414.6	414.6	414.6	413.4	412.2	410.8	409.6	408.2	407.0
157.5°	411.8	412.1	412.4	412.6	412.7	411.6	410.6	409.5	408.4	407.2	406.2
160°	410.8	411.2	411.5	411.7	412.0	411.1	410.5	409.3	408.6	407.4	406.3
162.5°	411.3	411.7	412.0	412.2	412.5	411.6	411.0	410.1	409.1	407.9	407.0
165°	410.8	410.9	411.1	411.2	411.3	410.7	410.2	409.6	408.9	408.2	407.6
167.5°	413.3	413.3	413.6	413.7	413.8	413.4	413.3	412.8	412.3	411.9	411.4
170°	414.4	414.6	414.7	414.7	414.8	414.4	414.1	413.7	413.5	412.8	412.3
172.5°	415.0	414.9	414.9	414.9	414.7	414.4	414.3	414.0	413.8	413.5	413.2
175°	415.1	414.9	414.9	414.8	414.6	414.6	414.5	414.4	414.3	414.1	414.0
177.5°	417.4	417.2	416.7	416.4	416.1	416.0	415.9	415.8	415.9	415.8	415.6
180°	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0



TEST NUMBER: P1444408  
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**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8
2.5°	41662.4	41405.1	41371.1	41389.2	41432.2	41448.1	41494.5	41507.2	41553.8	41565.4	41610.2
5°	42522.1	42182.0	42199.0	42280.7	42404.5	42478.3	42600.0	42663.6	42779.8	42832.6	42937.6
7.5°	43428.6	43161.5	43244.7	43382.7	43551.9	43669.1	43815.3	43910.5	44036.5	44114.7	44215.5
10°	43873.6	43800.5	43892.1	44000.7	44097.2	44172.8	44234.8	44284.4	44316.8	44347.3	44360.6
12.5°	43534.9	43648.1	43663.8	43653.3	43589.2	43540.5	43430.7	43356.1	43223.7	43143.1	42985.6
15°	42279.3	42528.3	42390.4	42181.6	41876.2	41621.6	41261.8	40994.1	40619.5	40365.4	39989.6
17.5°	40075.8	40390.1	40030.8	39547.8	38933.3	38407.5	37752.9	37233.3	36582.4	36109.1	35501.7
20°	36973.6	37267.3	36626.5	35825.8	34875.2	34075.2	33131.8	32379.1	31502.5	30850.4	30063.4
22.5°	33111.1	33320.4	32417.6	31338.1	30127.0	29127.6	27999.7	27097.3	26096.9	25351.3	24512.2
25°	28838.1	28894.5	27811.6	26568.0	25218.2	24095.0	22890.8	21942.1	20921.7	20166.2	19342.5
27.5°	24525.3	24442.4	23271.9	21953.2	20533.5	19366.0	18191.5	17302.4	16408.9	15728.2	15018.7
30°	20454.4	20254.0	19038.6	17683.2	16305.0	15258.7	14283.6	13569.6	12858.7	12318.8	11749.3
32.5°	16721.5	16438.6	15255.6	13985.7	12824.5	12017.0	11293.9	10753.7	10179.6	9723.5	9245.6
35°	13415.1	13113.7	12065.6	10989.1	10110.2	9515.0	8946.7	8503.4	8016.0	7631.3	7216.2
37.5°	10577.4	10330.3	9452.5	8605.4	7940.5	7479.3	7013.7	6651.4	6248.6	6079.3	5635.8
40°	8165.7	7993.1	7306.7	6682.2	6183.0	5966.2	5493.6	5155.3	4854.2	4606.0	4365.5
42.5°	6369.4	6308.3	5640.2	5153.3	4801.7	4528.7	4265.2	4051.4	3843.3	3672.3	3510.6
45°	4674.2	4625.9	4329.2	4048.1	3808.6	3617.8	3439.8	3292.7	3156.6	3043.9	2941.2
47.5°	3639.8	3624.3	3453.5	3279.1	3128.3	3005.7	2890.2	2792.5	2702.2	2626.9	2602.4
50°	2960.4	2958.4	2858.2	2750.5	2643.2	2572.2	2498.5	2440.8	2382.8	2337.7	2289.9
52.5°	2515.3	2504.4	2436.8	2370.4	2306.6	2260.1	2212.9	2176.0	2137.6	2109.7	2080.1
55°	2165.5	2176.9	2137.8	2098.1	2058.2	2029.3	1996.2	1971.9	1945.6	1927.9	1910.0
57.5°	1922.4	1937.6	1917.1	1894.6	1870.3	1851.2	1828.4	1811.7	1794.0	1782.8	1772.4
60°	1745.7	1762.2	1753.9	1742.6	1727.6	1716.3	1701.8	1692.4	1681.1	1674.8	1669.0
62.5°	1595.6	1616.3	1613.4	1608.0	1598.5	1592.1	1584.2	1580.1	1572.5	1569.8	1567.1
65°	1446.0	1469.2	1468.8	1466.2	1460.8	1459.0	1454.1	1453.2	1449.3	1450.8	1450.5
67.5°	1328.2	1348.5	1353.0	1356.2	1356.0	1357.2	1356.8	1358.7	1358.7	1361.6	1363.5
70°	1243.4	1257.4	1260.8	1264.2	1265.1	1267.8	1267.8	1269.5	1269.0	1271.5	1271.8
72.5°	1157.5	1176.0	1179.4	1182.1	1182.1	1184.8	1183.4	1183.0	1179.2	1178.5	1175.9
75°	1050.7	1074.4	1079.6	1083.0	1083.5	1085.7	1082.5	1080.5	1074.4	1072.0	1067.6
77.5°	939.1	963.7	967.4	968.6	966.6	967.1	960.4	955.8	948.0	944.7	940.6
80°	793.9	830.1	833.0	830.7	825.1	824.2	817.6	813.3	804.0	800.7	797.2
82.5°	604.1	646.7	652.6	655.2	650.6	651.7	645.4	642.9	634.4	632.8	627.2
85°	381.4	424.0	430.9	429.9	425.3	424.3	420.6	421.8	421.1	423.4	424.6
87.5°	175.3	216.4	226.3	223.2	222.7	219.8	213.2	215.6	219.7	222.2	222.4
90°	58.3	73.4	75.6	74.6	69.5	67.9	63.2	62.2	58.0	57.0	53.1
92.5°	72.2	76.3	80.4	76.8	73.2	69.5	65.9	62.0	58.5	54.7	51.3
95°	90.0	95.6	101.5	96.7	91.6	86.8	81.9	77.0	72.1	67.3	62.5
97.5°	101.0	107.7	114.4	109.6	104.7	99.8	94.9	90.1	85.3	80.2	75.4
100°	172.7	188.2	204.0	190.2	176.4	162.5	148.7	134.8	121.0	107.2	93.3
102.5°	385.8	424.4	463.0	428.0	393.0	358.0	323.2	288.2	253.4	218.2	183.3
105°	692.8	751.0	809.6	755.9	702.7	649.3	596.0	542.5	489.3	435.8	382.6
107.5°	932.5	986.7	1041.6	993.3	944.9	896.7	848.3	799.9	751.6	703.3	655.1
110°	1052.0	1094.5	1138.0	1105.3	1072.8	1040.1	1007.7	975.0	942.6	910.3	877.8



TEST NUMBER: P1444408  
 CATALOG NUMBER: EHBR1-48-UNV-TA-L840-UPL24

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	1052.7	1083.1	1114.5	1095.1	1076.0	1056.8	1037.7	1018.4	999.4	980.2	961.5
115°	964.6	981.7	1000.2	992.1	984.5	976.6	968.7	961.1	953.3	945.5	938.2
117.5°	854.3	861.4	870.4	868.3	866.7	864.7	863.0	861.2	859.7	858.1	856.5
120°	739.0	738.9	740.9	741.2	741.8	742.1	742.7	743.1	743.7	744.3	745.0
122.5°	642.3	637.8	635.4	635.7	635.9	636.1	636.5	636.9	637.3	637.8	638.4
125°	574.1	567.5	563.1	561.2	559.4	557.4	555.4	553.4	551.7	549.9	548.2
127.5°	525.4	518.1	513.6	509.8	506.2	502.4	498.7	494.9	491.5	487.6	484.3
130°	492.2	485.0	480.7	476.1	471.9	467.2	462.9	458.4	453.8	449.4	445.1
132.5°	469.2	462.0	458.1	453.7	449.7	445.2	441.0	436.5	432.3	427.6	423.6
135°	455.4	448.6	445.3	441.1	437.5	433.4	429.4	425.3	421.6	417.2	413.7
137.5°	443.7	436.9	434.0	430.6	427.6	424.2	421.3	417.7	414.5	410.9	407.8
140°	434.2	427.1	424.1	422.1	420.2	417.9	416.0	413.9	411.9	409.8	407.6
142.5°	427.4	420.5	417.7	416.3	415.2	413.6	412.6	411.0	409.7	407.8	406.5
145°	420.5	412.9	410.0	409.4	409.1	408.6	408.2	407.7	407.3	406.7	406.2
147.5°	416.4	408.6	405.7	405.8	405.7	405.5	405.6	405.3	405.4	405.2	405.1
150°	411.7	402.8	399.5	399.8	399.9	400.2	400.5	400.6	401.1	401.2	401.5
152.5°	407.9	397.3	393.6	393.9	394.5	394.6	395.1	395.5	396.1	396.6	397.0
155°	405.3	393.9	389.8	389.6	389.8	389.9	390.1	390.4	390.7	391.0	391.4
157.5°	404.7	392.7	388.7	388.3	388.3	388.3	388.3	388.5	388.6	388.8	389.2
160°	405.3	393.2	389.3	388.8	388.8	388.6	388.5	388.4	388.6	388.7	389.1
162.5°	405.8	394.0	390.2	389.7	389.5	389.3	389.3	389.0	389.2	389.1	389.5
165°	406.7	396.3	392.8	392.5	392.5	392.3	392.3	392.3	392.5	392.6	392.9
167.5°	410.7	401.3	398.6	398.1	397.6	397.1	397.1	396.5	396.5	396.2	396.2
170°	411.7	404.3	401.9	401.7	401.9	401.7	401.6	401.6	401.6	401.4	401.6
172.5°	412.8	407.4	405.6	405.7	406.0	406.2	406.5	406.6	406.9	407.2	407.5
175°	413.8	410.7	409.9	409.8	409.9	410.1	410.2	410.4	410.5	410.7	411.1
177.5°	415.7	414.7	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.5	414.5
180°	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0



TEST NUMBER: P1444408  
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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°	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8
2.5°	41618.6	41667.2	41663.4	41708.7	41706.5	41749.2	41740.6	41777.4	41769.1	41800.5	41782.1
5°	42983.8	43076.1	43106.5	43189.8	43207.1	43281.7	43283.2	43342.4	43335.2	43381.6	43356.9
7.5°	44275.2	44361.4	44402.3	44466.9	44499.3	44552.8	44573.8	44617.9	44628.5	44654.5	44653.7
10°	44384.2	44383.9	44404.1	44395.1	44413.2	44402.7	44424.8	44416.8	44449.4	44441.0	44465.6
12.5°	42917.7	42772.1	42719.0	42588.3	42559.7	42447.5	42455.5	42383.5	42418.3	42374.1	42449.3
15°	39766.0	39428.4	39261.5	38968.0	38875.9	38643.8	38625.0	38470.8	38512.5	38431.9	38549.8
17.5°	35108.6	34577.0	34285.3	33856.7	33686.5	33358.3	33292.6	33094.2	33125.0	33025.0	33167.3
20°	29555.7	28913.4	28545.4	28049.8	27828.6	27437.4	27333.6	27111.7	27139.6	27040.1	27201.1
22.5°	23939.5	23267.1	22851.8	22332.2	22049.9	21681.9	21571.5	21348.5	21361.2	21267.9	21422.8
25°	18778.4	18133.8	17730.7	17258.6	17013.7	16676.3	16560.3	16360.1	16371.4	16294.4	16433.5
27.5°	14526.5	13997.6	13660.2	13264.6	13045.0	12767.7	12654.6	12486.2	12485.8	12429.3	12545.4
30°	11351.7	10910.3	10607.4	10262.9	10056.6	9806.4	9697.1	9546.5	9539.9	9499.8	9592.1
32.5°	8888.1	8495.5	8219.2	7916.1	7730.9	7516.1	7412.7	7291.6	7280.6	7244.3	7320.1
35°	6909.3	6578.8	6341.2	6085.9	6104.8	5787.9	5840.6	5594.5	5527.8	5513.2	5569.6
37.5°	5340.1	5084.0	4891.1	4699.9	4570.5	4436.6	4364.4	4299.8	4292.4	4286.1	4325.6
40°	4179.9	4000.7	3860.3	3729.2	3640.1	3558.3	3513.2	3477.7	3469.2	3464.5	3488.4
42.5°	3383.0	3262.1	3171.6	3091.6	3037.4	2993.0	2968.2	2948.5	2941.8	2942.0	2956.1
45°	2858.2	2784.8	2726.5	2676.8	2642.2	2657.4	2612.7	2636.1	2605.1	2637.1	2616.0
47.5°	2517.1	2454.6	2418.5	2383.3	2362.3	2345.4	2346.0	2346.3	2353.0	2354.0	2360.9
50°	2253.8	2217.7	2192.6	2170.1	2159.2	2150.3	2153.4	2155.6	2162.1	2162.6	2167.6
52.5°	2059.0	2035.3	2020.1	2006.1	2001.3	1996.2	1998.3	1997.4	2000.3	1998.8	2003.0
55°	1900.4	1889.3	1884.5	1879.3	1880.1	1878.7	1879.6	1874.5	1871.5	1867.7	1871.2
57.5°	1770.3	1768.8	1772.0	1774.1	1780.1	1782.2	1783.6	1777.8	1772.3	1767.3	1770.2
60°	1670.1	1672.5	1680.5	1686.8	1695.4	1699.5	1701.9	1698.6	1694.5	1690.4	1692.9
62.5°	1571.2	1575.0	1584.5	1591.7	1602.1	1607.4	1613.4	1613.7	1615.3	1613.7	1615.4
65°	1456.4	1461.1	1469.7	1475.7	1485.3	1490.1	1496.1	1497.3	1500.6	1499.9	1502.8
67.5°	1369.1	1373.5	1380.6	1386.3	1394.8	1399.8	1405.1	1405.4	1406.6	1406.3	1409.1
70°	1276.1	1278.2	1284.7	1289.4	1298.0	1303.0	1309.2	1311.0	1314.8	1315.4	1318.5
72.5°	1176.9	1176.0	1179.8	1181.9	1188.4	1192.4	1200.2	1204.4	1210.9	1212.6	1214.9
75°	1068.8	1067.9	1072.6	1074.4	1079.9	1083.9	1092.6	1098.3	1108.2	1112.3	1111.3
77.5°	943.8	945.9	954.5	959.3	966.6	971.7	983.1	992.0	1010.3	1018.2	1010.1
80°	804.0	806.3	815.2	819.6	829.2	835.4	848.1	858.6	875.0	878.5	873.9
82.5°	632.0	632.7	640.6	644.0	656.6	665.6	681.7	690.1	700.1	698.6	697.4
85°	430.9	436.8	446.8	456.7	472.0	486.6	501.9	514.4	505.5	519.4	503.8
87.5°	230.4	229.7	243.2	241.1	262.4	274.9	288.1	294.3	301.4	300.0	300.1
90°	52.6	49.7	50.2	47.0	48.5	45.1	47.6	44.5	47.8	43.8	50.3
92.5°	47.4	45.7	43.5	41.8	39.6	37.8	35.6	33.7	31.7	29.8	31.7
95°	57.6	55.8	54.0	52.1	50.2	48.4	46.6	44.8	43.0	41.2	43.5
97.5°	70.5	69.4	68.4	67.3	66.3	65.2	64.2	63.1	62.0	60.8	62.4
100°	79.5	79.5	79.5	79.5	79.2	79.2	79.2	79.2	79.2	79.2	80.4
102.5°	148.3	144.8	141.4	137.6	134.2	130.7	127.2	123.7	120.3	116.7	121.9
105°	329.2	315.6	301.9	288.2	274.3	260.7	247.1	233.4	219.8	206.1	220.3
107.5°	607.1	582.1	557.2	532.2	507.2	482.4	457.6	432.7	407.8	383.0	405.3
110°	845.4	819.0	792.4	766.0	739.6	713.0	686.6	660.3	633.9	607.5	628.7



TEST NUMBER: P1444408  
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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°	942.5	925.1	907.9	890.7	873.6	856.6	839.6	822.5	805.6	788.6	798.9
115°	930.4	922.1	913.9	905.7	897.5	889.1	881.1	873.0	865.0	856.9	857.5
117.5°	854.9	851.9	849.1	846.1	843.3	840.5	837.9	835.3	832.5	830.1	824.4
120°	746.0	746.5	746.9	747.7	748.4	749.4	749.9	751.0	752.0	753.1	745.3
122.5°	639.0	640.4	642.1	643.8	645.8	647.7	649.7	651.9	654.2	656.5	648.7
125°	546.4	548.0	549.4	551.1	552.5	554.7	556.7	559.0	561.0	563.5	557.0
127.5°	480.8	481.0	480.9	481.4	481.7	482.5	483.2	484.1	485.1	486.4	482.3
130°	440.6	439.4	438.0	437.0	435.7	435.1	434.5	433.9	433.5	433.3	431.5
132.5°	419.1	416.9	414.6	412.5	410.5	408.8	407.0	405.8	404.4	403.4	402.9
135°	409.4	406.4	403.6	400.9	398.2	396.0	393.5	391.7	389.8	388.1	388.7
137.5°	404.4	401.7	398.7	396.1	393.4	391.3	388.8	386.9	385.0	383.3	384.2
140°	405.4	402.6	399.7	397.1	394.7	392.4	390.2	388.4	386.1	384.8	385.3
142.5°	404.9	402.7	399.9	397.6	395.2	393.3	391.3	389.7	387.7	386.4	387.1
145°	405.6	403.8	401.8	400.0	398.4	396.9	395.1	394.1	392.9	392.1	392.5
147.5°	404.8	403.6	402.0	400.8	399.3	398.3	397.0	396.2	395.3	394.7	394.9
150°	401.7	400.9	399.9	399.1	398.2	397.5	396.8	396.3	395.7	395.4	395.5
152.5°	397.5	396.9	395.9	395.3	394.6	394.1	393.5	393.3	392.8	392.5	392.6
155°	391.7	391.4	391.1	391.0	390.7	390.8	390.5	390.7	390.5	390.7	390.8
157.5°	389.4	389.5	389.4	389.6	389.7	389.8	389.9	390.3	390.3	390.7	391.0
160°	389.5	389.5	389.4	389.5	389.5	389.5	389.7	389.8	390.0	390.1	390.6
162.5°	389.6	390.0	390.2	390.5	390.9	391.2	391.7	392.3	392.6	393.2	393.7
165°	393.2	393.3	393.2	393.3	393.5	393.7	393.8	394.4	394.5	395.0	395.5
167.5°	396.1	396.3	396.4	396.6	397.0	397.4	397.7	398.4	398.9	399.6	400.1
170°	401.4	401.4	401.4	401.4	401.4	401.7	401.9	402.0	402.2	402.6	403.0
172.5°	407.6	407.6	407.3	407.6	407.3	407.6	407.6	407.8	407.8	408.0	408.2
175°	411.0	411.4	411.6	411.9	411.9	412.0	412.2	412.3	412.5	412.8	412.8
177.5°	414.5	414.6	414.6	414.6	414.6	414.8	414.8	414.8	414.8	414.6	414.7
180°	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0



TEST NUMBER: P1444408  
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**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8
2.5°	41812.9	41791.9	41813.3	41791.6	41813.3	41787.2	41804.9	41776.7	41783.9	41754.6	41762.2
5°	43393.9	43360.5	43378.2	43334.9	43339.5	43281.7	43280.6	43213.3	43195.5	43118.8	43085.1
7.5°	44672.3	44661.4	44667.5	44639.6	44636.4	44596.9	44578.1	44522.4	44487.3	44416.8	44368.6
10°	44469.9	44502.4	44510.9	44544.1	44551.0	44583.9	44590.8	44623.7	44630.6	44654.9	44655.2
12.5°	42445.8	42556.5	42582.9	42719.6	42777.2	42933.6	43017.5	43189.8	43292.2	43464.1	43569.6
15°	38546.5	38737.9	38814.3	39081.3	39228.9	39540.5	39736.3	40094.1	40346.7	40726.7	40997.7
17.5°	33179.9	33447.4	33568.2	33930.1	34166.3	34626.2	34957.7	35503.3	35921.0	36527.3	37007.9
20°	27228.7	27526.0	27689.9	28102.9	28381.6	28918.9	29332.7	30003.2	30562.3	31330.7	31987.6
22.5°	21471.3	21754.3	21936.3	22356.4	22670.1	23230.6	23693.1	24400.7	25027.2	25893.0	26680.8
25°	16486.0	16745.3	16909.7	17289.7	17584.3	18099.3	18541.1	19221.7	19834.6	20703.1	21510.8
27.5°	12603.3	12820.5	12979.1	13303.1	13562.9	13999.7	14379.1	14941.6	15469.7	16221.0	16940.3
30°	9648.9	9841.4	9995.7	10277.9	10518.8	10897.4	11231.1	11703.5	12140.6	12738.4	13310.7
32.5°	7373.4	7539.1	7676.6	7923.6	8142.1	8483.1	8783.6	9197.8	9573.0	10080.0	10550.8
35°	5621.8	5948.1	5924.9	6265.6	6320.4	6565.2	6833.3	7195.4	7527.6	7958.8	8359.5
37.5°	4363.5	4455.2	4553.4	4704.1	4862.3	5085.0	5311.5	5753.9	5916.2	6242.1	6573.7
40°	3518.7	3580.7	3645.6	3747.3	3858.2	4015.0	4180.0	4391.1	4607.3	4871.5	5141.4
42.5°	2974.7	3009.8	3051.1	3110.9	3179.3	3278.7	3389.1	3532.2	3682.6	3868.6	4058.4
45°	2657.8	2641.2	2653.4	2685.6	2726.7	2787.2	2856.8	2945.4	3043.3	3163.8	3292.1
47.5°	2362.3	2369.0	2372.7	2390.1	2412.2	2452.8	2495.0	2555.1	2671.3	2706.6	2776.6
50°	2167.1	2170.4	2169.2	2178.1	2189.3	2215.7	2243.1	2283.8	2324.4	2378.3	2429.8
52.5°	2003.6	2008.1	2007.5	2013.4	2019.3	2036.0	2053.3	2082.1	2108.7	2143.0	2172.5
55°	1874.4	1880.7	1883.1	1888.0	1890.9	1899.6	1906.5	1920.3	1931.6	1951.0	1969.0
57.5°	1775.0	1783.6	1787.5	1789.3	1785.7	1785.3	1783.0	1785.9	1788.3	1798.6	1808.7
60°	1696.8	1703.7	1704.8	1703.7	1697.3	1692.7	1685.3	1683.0	1681.8	1686.8	1692.4
62.5°	1615.0	1617.4	1615.7	1613.7	1606.4	1602.0	1594.3	1591.5	1589.0	1592.5	1595.3
65°	1501.7	1503.8	1501.7	1500.5	1493.9	1490.4	1483.9	1481.8	1478.1	1479.1	1478.4
67.5°	1409.7	1411.9	1410.2	1408.5	1403.9	1401.8	1397.1	1393.9	1389.5	1387.9	1384.8
70°	1318.1	1319.8	1317.1	1315.4	1310.3	1308.3	1303.8	1302.9	1299.4	1298.6	1295.1
72.5°	1212.6	1212.7	1209.1	1208.0	1204.1	1204.0	1202.2	1203.8	1203.7	1205.6	1204.7
75°	1104.7	1103.1	1098.6	1097.8	1094.9	1096.3	1094.3	1096.9	1097.2	1101.2	1101.6
77.5°	996.7	990.9	982.3	978.1	972.3	971.6	968.1	970.5	969.7	974.3	976.1
80°	860.2	853.2	842.1	836.7	829.8	828.8	825.7	828.8	827.2	832.6	836.4
82.5°	686.7	680.8	669.2	664.8	656.9	657.7	654.2	657.7	657.2	665.1	669.8
85°	507.9	504.0	492.1	481.5	469.7	462.8	456.1	454.9	452.8	456.1	458.8
87.5°	293.4	289.7	280.4	274.2	253.6	254.5	246.4	246.0	244.0	242.2	246.4
90°	48.9	54.5	53.4	58.4	57.9	63.7	63.7	69.2	68.4	73.8	74.0
92.5°	33.7	35.6	37.6	39.6	41.6	43.5	45.5	47.4	51.7	55.6	60.1
95°	45.7	48.0	50.2	52.6	54.8	57.1	59.3	61.6	67.9	74.1	80.3
97.5°	64.0	65.4	66.9	68.4	69.9	71.4	73.0	74.5	81.2	87.9	94.5
100°	81.6	82.8	84.0	85.3	86.5	87.7	88.9	90.1	103.3	116.1	129.1
102.5°	127.0	132.2	137.3	142.5	147.8	153.0	158.1	163.3	193.0	222.6	252.1
105°	234.3	248.4	262.7	276.8	290.9	305.0	319.1	333.3	380.8	428.0	475.6
107.5°	427.6	449.8	472.1	494.6	516.9	539.2	561.5	584.0	630.1	676.5	722.7
110°	650.0	671.4	692.6	714.0	735.2	756.5	777.9	799.4	827.3	855.0	883.0



TEST NUMBER: P1444408  
 CATALOG NUMBER: EHBR1-48-UNV-TA-L840-UPL24

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	809.3	819.6	830.1	840.6	851.1	861.7	872.2	882.8	896.8	910.7	925.0
115°	858.3	858.9	859.8	860.6	861.5	862.2	863.4	864.3	869.1	873.6	878.3
117.5°	818.7	813.2	807.7	802.0	796.5	791.4	786.1	781.0	780.4	779.8	779.5
120°	738.2	730.5	723.2	715.6	708.5	701.2	694.3	687.2	683.9	680.7	677.4
122.5°	641.3	633.9	626.6	619.3	612.3	605.3	598.5	591.7	589.5	587.4	585.4
125°	550.8	544.7	538.7	532.8	527.2	521.6	516.2	510.7	511.1	511.5	512.2
127.5°	478.7	475.0	471.6	468.2	465.2	462.0	459.2	456.2	458.6	460.9	463.3
130°	430.1	428.7	427.7	426.3	425.8	424.8	424.2	423.4	427.1	430.5	434.3
132.5°	403.1	403.1	403.4	403.7	404.3	404.9	405.8	406.5	410.6	414.5	418.6
135°	389.4	390.1	391.3	392.3	393.9	395.1	396.8	398.2	402.3	405.9	410.0
137.5°	385.3	386.3	387.8	389.1	391.0	392.5	394.5	396.1	399.4	402.5	405.7
140°	386.3	387.2	388.5	389.7	391.1	392.5	394.3	395.6	398.6	401.0	403.5
142.5°	388.2	388.8	390.0	391.2	392.6	393.8	395.3	396.5	398.7	400.5	402.9
145°	393.2	393.8	394.8	395.6	396.7	397.8	399.0	400.1	401.6	402.9	404.3
147.5°	395.5	395.9	396.7	397.5	398.5	399.2	400.0	400.7	402.0	402.9	404.0
150°	395.9	396.2	396.6	397.0	397.7	398.5	399.2	399.7	400.5	401.3	402.4
152.5°	393.1	393.3	393.7	394.1	394.6	395.1	395.6	396.2	397.1	397.7	398.7
155°	391.3	391.9	392.5	393.0	393.7	394.0	394.8	395.2	396.0	396.6	397.4
157.5°	391.6	391.9	392.7	393.0	393.8	394.2	394.8	395.3	396.0	396.5	397.1
160°	391.3	392.2	392.7	393.5	394.2	394.9	395.6	396.4	397.0	397.5	398.2
162.5°	394.3	394.9	395.5	395.9	396.5	397.1	397.6	398.3	399.3	399.7	400.6
165°	396.3	396.9	397.8	398.3	399.3	400.0	400.7	401.4	401.8	402.4	402.9
167.5°	400.8	401.3	402.2	402.8	403.5	404.2	404.9	405.5	406.1	406.4	407.0
170°	403.5	404.2	404.8	405.4	406.0	406.5	407.2	407.7	408.4	408.9	409.7
172.5°	408.6	409.1	409.6	409.9	410.3	411.0	411.4	411.7	412.3	412.8	413.2
175°	412.8	412.8	412.9	413.1	413.2	413.2	413.4	413.7	413.8	414.0	414.1
177.5°	414.9	415.0	415.2	415.3	415.5	415.6	415.8	415.9	415.9	415.9	415.9
180°	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0



TEST NUMBER: P1444408  
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**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8
2.5°	41732.9	41734.8	41701.1	41699.2	41667.8	41663.7	41633.0	41623.7	41598.7	41589.7	41564.2
5°	42999.1	42958.1	42863.3	42807.6	42714.0	42651.9	42550.6	42484.6	42386.8	42313.0	42214.5
7.5°	44279.7	44216.0	44109.6	44023.5	43893.5	43789.8	43637.7	43513.2	43348.6	43206.0	43033.0
10°	44655.2	44645.4	44618.4	44578.8	44518.4	44450.5	44347.0	44239.1	44094.8	43938.0	43745.8
12.5°	43731.2	43831.0	43967.0	44047.6	44145.8	44188.8	44229.0	44218.9	44192.4	44113.2	44002.0
15°	41390.3	41670.7	42041.9	42329.7	42660.7	42901.3	43167.0	43332.6	43497.7	43574.0	43620.6
17.5°	37666.5	38197.4	38863.1	39414.9	40051.4	40562.7	41123.2	41545.2	41979.0	42289.9	42571.0
20°	32883.3	33652.5	34594.1	35425.9	36393.1	37233.6	38154.7	38910.9	39690.6	40300.5	40877.5
22.5°	27695.1	28608.7	29747.0	30801.5	32048.5	33169.1	34433.3	35533.8	36682.7	37642.6	38570.6
25°	22593.4	23595.3	24840.1	26016.6	27428.7	28732.2	30231.6	31603.1	33088.0	34377.3	35651.0
27.5°	17934.9	18918.4	20189.3	21441.7	22934.9	24323.8	25930.4	27441.4	29132.3	30691.5	32286.6
30°	14105.9	14940.2	16079.6	17292.6	18765.5	20178.8	21802.8	23356.8	25115.8	26818.3	28614.9
32.5°	11175.7	11811.3	12707.0	13732.8	15091.7	16437.1	17983.5	19483.7	21215.8	22935.7	24804.2
35°	8875.6	9371.3	10054.3	10854.7	12005.5	13165.3	14533.0	15897.3	17513.3	19145.3	20961.5
37.5°	6998.8	7401.0	7936.0	8537.2	9460.3	10412.1	11533.7	12664.7	14068.9	15515.5	17161.5
40°	5465.3	5791.1	6207.5	6655.9	7352.9	8086.2	8953.6	9830.7	10958.8	12141.1	13503.3
42.5°	4293.4	4533.7	4827.9	5155.6	5805.9	6195.2	6783.4	7417.8	8247.1	9105.4	10129.6
45°	3448.0	3611.9	3815.9	4035.7	4337.5	4667.8	5070.6	5493.0	6280.9	6667.4	7290.2
47.5°	2879.4	2989.5	3119.2	3257.8	3435.7	3627.9	3866.8	4111.0	4426.9	4754.3	5138.1
50°	2496.5	2608.4	2653.0	2724.7	2827.7	2937.4	3072.1	3206.8	3376.2	3547.9	3745.5
52.5°	2212.3	2248.8	2297.2	2342.9	2406.7	2531.6	2571.9	2642.4	2737.4	2830.3	2934.1
55°	1995.3	2019.0	2050.5	2078.0	2116.7	2153.5	2206.8	2253.6	2317.0	2373.0	2441.9
57.5°	1826.3	1841.4	1863.3	1881.4	1906.4	1927.2	1958.4	1983.8	2020.2	2051.9	2093.7
60°	1703.6	1713.7	1728.3	1740.1	1756.1	1767.0	1782.4	1794.3	1813.6	1829.7	1852.9
62.5°	1603.3	1608.5	1618.1	1625.1	1635.2	1640.6	1648.9	1654.2	1664.6	1672.8	1685.8
65°	1483.0	1484.2	1490.7	1493.6	1501.6	1504.4	1511.2	1513.6	1522.4	1528.3	1539.8
67.5°	1384.4	1381.7	1381.8	1379.6	1380.6	1378.3	1379.0	1376.5	1380.0	1381.8	1390.6
70°	1294.4	1290.6	1289.4	1285.3	1284.1	1279.8	1278.6	1274.8	1274.3	1273.1	1276.1
72.5°	1206.8	1205.8	1206.1	1203.1	1202.8	1199.9	1200.0	1198.2	1200.2	1201.1	1205.0
75°	1106.0	1106.3	1108.2	1105.7	1106.4	1103.9	1104.9	1102.5	1103.7	1103.3	1107.3
77.5°	983.2	986.1	991.4	990.3	992.0	989.3	990.5	987.3	988.2	986.1	987.6
80°	845.1	851.3	858.5	858.2	861.2	859.2	862.0	858.9	860.2	856.4	855.5
82.5°	681.2	686.4	694.1	694.4	701.2	702.4	709.8	709.5	714.3	711.2	709.0
85°	465.8	469.3	475.9	479.7	486.5	490.8	498.0	501.0	495.7	505.2	497.7
87.5°	243.2	252.2	247.2	258.9	256.2	268.1	265.6	276.6	274.4	283.9	282.7
90°	80.9	81.6	89.0	90.2	99.0	101.2	106.0	103.3	108.0	105.5	110.1
92.5°	64.1	68.7	73.0	77.2	81.4	85.9	81.7	77.8	73.9	70.1	66.0
95°	86.5	92.7	98.9	105.1	111.3	117.5	110.9	104.3	97.7	91.0	84.3
97.5°	101.2	108.0	114.6	121.3	128.1	134.8	126.9	119.1	111.2	103.4	95.5
100°	142.0	154.9	167.8	180.7	193.7	206.6	192.0	177.4	162.9	148.1	133.5
102.5°	282.0	311.5	341.1	370.9	400.5	430.1	399.2	368.2	337.0	305.9	274.6
105°	523.0	570.5	617.8	665.3	712.7	760.5	709.9	659.6	609.0	558.8	508.1
107.5°	769.2	815.3	861.9	908.0	954.4	1000.9	949.9	898.7	847.8	796.6	745.3
110°	911.0	938.9	966.8	995.0	1022.8	1051.0	1013.7	976.5	939.3	901.9	864.7



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**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	939.0	953.4	967.3	981.8	995.9	1010.1	983.7	957.2	930.6	904.3	877.5
115°	883.2	887.9	892.7	897.6	902.2	907.1	889.3	871.7	854.0	836.3	818.2
117.5°	779.0	778.8	778.3	778.3	777.7	777.4	767.6	758.1	748.2	738.4	728.5
120°	674.1	670.9	667.8	664.5	661.2	657.9	654.0	650.4	646.3	642.3	638.2
122.5°	583.4	581.5	579.5	577.5	575.2	573.1	571.9	570.9	569.5	568.3	566.8
125°	512.7	513.2	513.7	514.2	514.6	515.0	514.5	514.3	513.8	513.6	512.9
127.5°	465.5	467.9	470.0	472.3	474.3	476.6	476.7	477.3	477.4	477.7	477.8
130°	437.6	441.4	444.8	448.1	451.3	455.0	454.8	455.0	455.0	455.1	455.0
132.5°	422.6	426.5	430.3	434.4	438.1	441.8	441.7	441.8	441.4	441.5	441.4
135°	413.7	417.5	421.1	425.0	428.3	432.0	431.7	431.5	431.0	431.1	430.7
137.5°	408.5	412.0	414.8	417.8	420.7	423.7	423.3	423.1	422.7	422.7	422.3
140°	406.0	408.5	410.9	413.4	415.7	418.1	417.5	417.1	416.5	416.0	415.3
142.5°	404.7	406.7	408.4	410.6	412.2	414.2	413.0	412.1	411.2	410.3	409.1
145°	405.7	407.2	408.5	409.9	410.8	412.3	410.9	409.9	408.3	407.3	405.9
147.5°	404.8	405.9	406.5	407.6	408.0	409.1	407.8	406.6	405.4	404.0	402.7
150°	403.0	404.0	404.7	405.4	406.0	406.9	405.4	404.1	402.6	401.2	399.9
152.5°	399.5	400.2	400.9	401.4	402.1	402.6	401.2	400.1	398.6	397.0	395.7
155°	397.7	398.5	398.8	399.4	399.6	400.0	398.6	397.7	396.5	395.3	393.9
157.5°	397.5	398.2	398.7	399.0	399.3	399.8	398.8	398.1	396.9	396.2	395.1
160°	398.6	399.1	399.5	399.8	400.3	400.4	399.7	399.2	398.5	397.5	396.6
162.5°	401.0	401.8	402.2	402.7	403.3	403.8	402.9	402.2	401.2	400.4	399.3
165°	403.3	403.8	404.3	404.7	404.9	405.3	404.8	404.3	403.6	403.1	402.4
167.5°	407.3	408.0	408.3	408.7	408.9	409.3	408.5	408.3	407.5	406.9	406.1
170°	410.1	410.5	411.1	411.5	411.9	412.1	411.8	411.4	410.8	410.3	409.7
172.5°	413.7	414.1	414.3	414.7	414.9	415.3	414.9	414.3	413.8	413.2	412.6
175°	414.1	414.3	414.6	414.6	414.6	414.7	414.3	413.8	413.4	412.9	412.5
177.5°	415.9	415.9	415.9	415.8	415.8	415.8	415.5	415.2	414.9	414.6	414.1
180°	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0



TEST NUMBER: P1444408  
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**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8	41295.8
2.5°	41555.3	41537.2	41525.6	41510.8	41501.7	41490.2	41481.8	41474.6	41468.8	41463.4	41459.4
5°	42139.6	42046.6	41974.6	41896.5	41832.4	41768.5	41719.1	41678.3	41650.1	41629.0	41616.5
7.5°	42883.5	42713.5	42562.3	42403.1	42260.5	42120.2	41999.2	41895.0	41816.8	41766.1	41735.4
10°	43547.9	43320.3	43095.2	42858.3	42633.6	42415.7	42214.5	42037.7	41897.6	41804.6	41750.2
12.5°	43845.8	43651.9	43422.0	43164.7	42889.4	42610.8	42339.4	42094.5	41888.9	41751.0	41671.4
15°	43583.5	43503.8	43347.9	43148.2	42886.9	42598.9	42280.1	41980.5	41704.8	41526.0	41422.4
17.5°	42730.2	42841.3	42829.3	42753.0	42565.2	42322.8	41997.9	41661.3	41316.5	41077.6	40947.0
20°	41290.3	41639.6	41816.8	41907.7	41833.9	41676.7	41382.6	41041.0	40639.1	40327.2	40136.8
22.5°	39266.8	39883.6	40267.8	40549.0	40608.6	40555.1	40295.3	39970.4	39522.5	39147.5	38866.4
25°	36662.0	37565.5	38172.8	38648.8	38833.8	38881.5	38660.5	38337.5	37838.0	37401.2	37015.1
27.5°	33593.8	34767.7	35578.7	36218.4	36507.1	36632.4	36428.9	36099.3	35508.5	34987.1	34482.7
30°	30139.7	31532.5	32508.8	33275.8	33627.9	33793.3	33577.2	33209.3	32521.8	31894.3	31258.8
32.5°	26442.8	27966.8	29030.6	29863.7	30212.5	30368.1	30085.5	29672.2	28877.6	28138.4	27397.3
35°	22572.0	24110.4	25183.1	25994.1	26286.4	26380.2	26018.7	25541.0	24660.7	23849.3	23041.3
37.5°	18622.5	20053.7	21028.7	21756.5	21937.4	21953.5	21518.0	20990.4	20065.1	19265.1	18460.8
40°	14707.1	15914.0	16701.3	17283.8	17346.5	17290.5	16817.0	16286.1	15420.4	14703.8	13997.6
42.5°	11019.0	11930.0	12491.7	12890.9	12867.2	12756.5	12322.3	11865.9	11151.8	10605.9	10050.1
45°	7859.3	8460.0	8788.4	9022.0	8947.0	8841.6	8503.7	8183.7	7698.5	7345.8	6972.4
47.5°	5460.0	6177.3	6052.4	6509.1	6115.6	6375.5	5834.3	5536.0	5278.5	5091.1	4880.0
50°	3908.9	4073.2	4152.6	4206.8	4178.1	4138.1	4040.9	3954.0	3836.3	3750.6	3650.7
52.5°	3018.7	3100.9	3145.9	3178.5	3172.1	3157.6	3115.1	3076.4	3021.3	2985.0	2941.2
55°	2557.0	2558.2	2641.0	2605.4	2658.0	2596.5	2620.7	2552.6	2563.6	2505.0	2465.8
57.5°	2124.8	2158.5	2173.6	2188.3	2184.2	2181.6	2165.1	2156.9	2138.4	2132.7	2119.5
60°	1869.0	1886.6	1890.3	1897.0	1891.4	1889.3	1876.3	1871.8	1859.4	1857.1	1848.4
62.5°	1693.6	1702.7	1702.7	1702.7	1695.3	1688.3	1674.0	1666.6	1656.0	1653.7	1648.6
65°	1547.3	1556.7	1558.2	1560.1	1554.8	1549.3	1536.7	1528.6	1517.7	1513.6	1507.8
67.5°	1396.3	1406.2	1409.6	1414.6	1411.6	1410.5	1401.9	1398.7	1391.5	1389.8	1384.4
70°	1277.6	1281.7	1281.4	1281.3	1274.6	1268.6	1258.6	1253.9	1246.4	1244.9	1240.0
72.5°	1207.1	1210.0	1208.2	1205.6	1196.9	1188.0	1176.3	1167.7	1157.9	1151.9	1144.9
75°	1107.8	1111.6	1109.1	1107.5	1099.6	1093.9	1084.5	1079.7	1072.9	1070.9	1066.1
77.5°	985.8	987.6	983.7	983.2	977.2	973.6	966.5	965.3	960.3	960.4	955.8
80°	850.0	849.0	842.5	841.3	835.4	833.8	828.3	828.6	824.7	826.3	823.0
82.5°	699.4	695.6	687.2	684.7	677.8	677.2	673.6	676.6	674.2	677.8	675.7
85°	501.3	502.3	498.6	498.6	496.6	497.2	496.9	499.3	499.6	502.9	502.8
87.5°	279.5	283.4	282.7	286.4	286.2	290.3	291.7	297.9	298.6	304.2	304.2
90°	107.8	112.9	110.4	115.7	114.8	121.0	121.2	127.2	126.6	131.9	130.1
92.5°	62.1	58.1	54.4	50.2	48.2	46.0	44.6	42.1	40.4	38.1	36.1
95°	77.6	70.9	64.3	57.6	55.3	53.0	50.7	48.4	46.1	43.9	41.6
97.5°	87.6	79.7	71.8	64.0	62.0	60.0	57.9	56.0	54.0	52.1	50.0
100°	118.8	104.0	89.6	74.7	73.0	71.3	69.6	68.0	66.3	64.5	62.8
102.5°	243.7	212.5	181.2	150.0	144.1	138.2	132.3	126.1	120.3	114.3	108.4
105°	457.8	407.1	356.7	306.0	290.0	273.9	257.8	241.7	225.6	209.6	193.4
107.5°	694.2	642.8	591.6	540.2	510.8	481.0	451.3	421.4	391.9	361.9	332.3
110°	827.4	790.0	752.6	715.1	691.5	667.6	643.5	619.6	595.8	571.8	547.8



TEST NUMBER: P1444408  
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**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	850.9	824.3	797.5	770.6	760.0	749.1	738.5	727.6	716.7	705.7	694.9
115°	800.2	782.5	764.4	746.2	742.7	738.9	735.3	731.3	727.8	723.9	719.9
117.5°	718.7	708.7	698.7	688.7	689.4	690.3	691.2	691.8	692.4	692.9	693.4
120°	634.2	630.0	626.2	621.9	625.6	628.9	632.5	635.7	639.1	642.1	645.4
122.5°	565.6	564.1	562.9	561.2	565.6	569.9	573.9	578.1	582.0	585.6	589.5
125°	512.7	512.0	511.6	510.8	515.4	519.6	523.9	527.8	531.9	535.6	539.4
127.5°	478.2	478.3	478.7	478.6	482.1	484.9	488.2	490.9	494.0	496.4	499.1
130°	455.1	454.9	455.1	454.9	457.9	460.8	463.8	466.3	469.1	471.2	473.5
132.5°	441.4	441.1	441.1	440.8	443.4	445.5	447.8	449.4	451.4	452.7	454.3
135°	430.7	430.2	430.1	429.6	431.9	434.1	436.0	437.7	439.5	440.7	442.0
137.5°	422.1	421.7	421.4	421.0	423.0	424.9	426.6	428.2	429.7	431.1	432.2
140°	415.0	414.3	414.0	413.2	415.1	416.7	418.4	419.7	421.3	422.2	423.3
142.5°	408.2	407.0	406.4	405.2	406.6	407.8	409.0	410.2	411.3	412.1	412.7
145°	404.7	403.2	402.2	400.8	401.9	402.8	403.9	404.7	405.4	405.8	406.4
147.5°	401.7	400.2	398.8	397.4	398.5	399.1	399.7	400.2	400.9	401.2	401.5
150°	398.4	396.6	395.1	393.6	394.2	394.7	395.1	395.7	396.2	396.3	396.6
152.5°	394.1	392.7	391.1	389.5	390.0	390.3	390.6	390.7	391.0	391.2	391.3
155°	392.8	391.4	390.1	388.5	389.0	389.1	389.3	389.4	389.4	389.4	389.4
157.5°	394.1	392.7	392.0	390.6	390.7	390.6	390.7	390.2	390.2	389.9	389.6
160°	395.8	394.8	393.9	392.8	392.6	392.5	392.5	392.1	391.9	391.5	391.1
162.5°	398.3	397.1	395.9	394.7	394.6	394.5	394.4	393.9	393.8	393.3	393.0
165°	401.7	400.9	400.1	399.1	398.9	398.6	398.5	397.8	397.5	396.8	396.4
167.5°	405.4	404.6	403.8	402.7	402.7	402.7	402.6	402.2	402.1	401.6	401.5
170°	409.0	408.3	407.7	406.9	406.6	406.5	406.2	405.9	405.4	405.1	404.6
172.5°	411.9	411.3	410.5	409.6	409.6	409.4	409.0	408.9	408.4	408.1	408.0
175°	411.9	411.5	410.7	410.3	410.1	410.0	409.8	409.7	409.4	409.1	408.8
177.5°	413.8	413.5	412.9	412.6	412.5	412.5	412.3	412.2	412.2	412.0	411.9
180°	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0



TEST NUMBER: P1444408  
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**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	41295.8	41295.8
2.5°	41455.8	41453.7
5°	41609.8	41607.4
7.5°	41727.1	41726.4
10°	41740.9	41748.1
12.5°	41657.7	41663.4
15°	41414.4	41425.8
17.5°	40949.5	40964.3
20°	40148.4	40164.0
22.5°	38851.2	38857.6
25°	36965.2	36938.4
27.5°	34394.0	34348.0
30°	31125.4	31080.8
32.5°	27228.4	27200.5
35°	22841.5	22824.0
37.5°	18223.0	18187.2
40°	13739.4	13635.0
42.5°	9806.8	9623.6
45°	6777.4	6560.2
47.5°	4731.3	4597.1
50°	3586.2	3542.9
52.5°	2922.2	2912.1
55°	2465.6	2461.2
57.5°	2122.4	2120.9
60°	1852.9	1852.5
62.5°	1652.0	1652.7
65°	1510.5	1510.8
67.5°	1385.9	1385.0
70°	1241.8	1240.8
72.5°	1142.7	1141.0
75°	1066.1	1065.1
77.5°	957.1	955.5
80°	825.3	823.0
82.5°	678.8	676.3
85°	506.3	506.4
87.5°	309.8	309.7
90°	135.0	132.4
92.5°	34.5	32.8
95°	39.4	37.0
97.5°	48.1	46.1
100°	61.1	59.4
102.5°	102.5	96.6
105°	177.4	161.3
107.5°	302.5	272.8
110°	523.9	500.0



TEST NUMBER: P1444408  
CATALOG NUMBER: EHBR1-48-UNV-TA-L840-UPL24

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	683.9	673.0
115°	715.6	711.6
117.5°	693.8	694.0
120°	648.1	651.1
122.5°	592.7	596.2
125°	542.7	546.2
127.5°	501.2	503.3
130°	474.9	477.0
132.5°	455.3	456.3
135°	442.9	443.8
137.5°	432.8	433.5
140°	423.7	424.3
142.5°	413.1	413.4
145°	406.7	406.9
147.5°	401.2	401.4
150°	396.5	396.5
152.5°	391.0	391.0
155°	389.1	388.9
157.5°	388.9	388.7
160°	390.6	390.2
162.5°	392.4	392.1
165°	395.6	395.0
167.5°	400.8	400.7
170°	404.2	403.9
172.5°	407.5	407.2
175°	408.7	408.5
177.5°	411.9	411.6
180°	414.0	414.0



TEST NUMBER: P1444408  
 CATALOG NUMBER: EHBR1-48-UNV-TA-L840-UPL24

**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	17.88	18.97	18.34	19.40	19.86	16.26	17.35	16.72	17.78	18.24
	3H	19.43	20.40	19.91	20.85	21.35	18.69	19.66	19.17	20.11	20.61
	4H	20.22	21.13	20.72	21.60	22.12	19.80	20.71	20.30	21.18	21.70
	6H	20.99	21.83	21.51	22.31	22.84	20.85	21.68	21.36	22.16	22.69
	8H	21.31	22.10	21.83	22.60	23.14	21.29	22.08	21.81	22.58	23.12
	12H	21.55	22.31	22.08	22.80	23.36	21.64	22.39	22.17	22.89	23.45
4H	2H	18.26	19.17	18.76	19.63	20.15	16.97	17.88	17.47	18.34	18.86
	3H	20.13	20.88	20.64	21.40	21.93	19.59	20.35	20.11	20.86	21.40
	4H	21.13	21.81	21.67	22.33	22.91	20.85	21.53	21.38	22.05	22.62
	6H	22.09	22.67	22.65	23.22	23.82	22.03	22.62	22.59	23.17	23.76
	8H	22.48	23.02	23.04	23.57	24.17	22.53	23.08	23.10	23.62	24.22
	12H	22.79	23.27	23.37	23.85	24.45	22.95	23.43	23.53	24.01	24.61
8H	4H	21.51	22.06	22.07	22.60	23.20	21.27	21.81	21.83	22.36	22.96
	6H	22.67	23.11	23.26	23.71	24.32	22.62	23.06	23.21	23.65	24.26
	8H	23.18	23.57	23.79	24.18	24.80	23.22	23.61	23.83	24.22	24.84
	12H	23.61	23.95	24.21	24.54	25.24	23.74	24.09	24.35	24.68	25.38
12H	4H	21.56	22.04	22.14	22.62	23.22	21.32	21.80	21.90	22.38	22.99
	6H	22.78	23.18	23.39	23.78	24.40	22.73	23.13	23.34	23.73	24.35
	8H	23.37	23.72	23.98	24.31	25.00	23.40	23.75	24.01	24.34	25.03

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-1

Test Date: 07/30/2025

Luminaire Tested: EHBR-60-L840-N

Data in this report applies to families of products including EHBR-60-L840-N

**Test Information**

Test Method: LM-79-2019  
 Report Number: SP1-2506-472-1  
 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-L840-N**  
 Description: Elevate Round Highbay at, 60000 lumens, 4000K 80CRI LEDs with N lens

**Spectral Parameters**

CCT (K): 3898  
 CIE u': 0.2263  
 CIE v': 0.5052  
 Duv: 0.0013  
 CIE x: 0.3861  
 CIE y: 0.3831  
 CIE z: 0.2308  
 Peak Wavelength (nm): 630  
 Dominant Wavelength (nm): 578  
 Purity: 30.85729  
 Rf: 80.7  
 Rg: 102.1

CRI (Ra):	82.1		
R1:	84.4	R9:	38.5
R2:	83.5	R10:	58.9
R3:	80.8	R11:	83.6
R4:	83.9	R12:	54.2
R5:	82.1	R13:	82.8
R6:	77.3	R14:	88.2
R7:	86.4	R15:	81.2
R8:	78.3		



**Test Conditions**

Stabilization Time: 42M  
 Operation Time: 1H 42M  
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-1

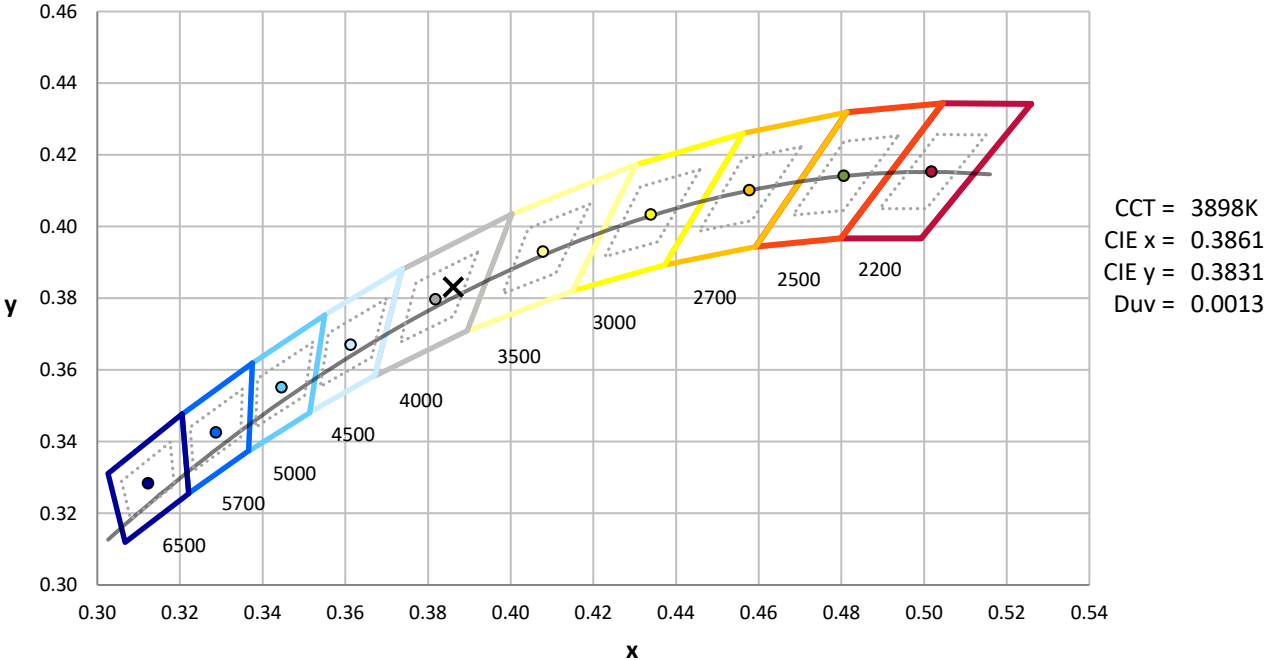
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208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

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-1

**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	60	NR	620	277	NR	750	6	NR	880	0	NR
365	0	NR	495	87	NR	625	278	NR	755	5	NR	885	0	NR
370	0	NR	500	124	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	168	NR	635	623	NR	765	4	NR	895	0	NR
380	1	NR	510	209	NR	640	162	NR	770	3	NR	900	0	NR
385	1	NR	515	246	NR	645	158	NR	775	3	NR	905	0	NR
390	2	NR	520	273	NR	650	134	NR	780	2	NR	910	0	NR
395	4	NR	525	292	NR	655	109	NR	785	2	NR	915	0	NR
400	5	NR	530	305	NR	660	91	NR	790	2	NR	920	0	NR
405	7	NR	535	313	NR	665	75	NR	795	2	NR	925	0	NR
410	11	NR	540	319	NR	670	70	NR	800	1	NR	930	0	NR
415	21	NR	545	323	NR	675	56	NR	805	1	NR	935	0	NR
420	42	NR	550	326	NR	680	47	NR	810	1	NR	940	0	NR
425	76	NR	555	330	NR	685	41	NR	815	1	NR	945	0	NR
430	125	NR	560	333	NR	690	35	NR	820	1	NR	950	0	NR
435	193	NR	565	336	NR	695	30	NR	825	1	NR	955	0	NR
440	302	NR	570	336	NR	700	26	NR	830	1	NR	960	0	NR
445	432	NR	575	335	NR	705	22	NR	835	1	NR	965	0	NR
450	380	NR	580	332	NR	710	19	NR	840	0	NR	970	0	NR
455	213	NR	585	326	NR	715	16	NR	845	0	NR	975	0	NR
460	147	NR	590	319	NR	720	14	NR	850	0	NR	980	0	NR
465	104	NR	595	307	NR	725	12	NR	855	0	NR	985	0	NR
470	65	NR	600	299	NR	730	10	NR	860	0	NR	990	0	NR
475	50	NR	605	291	NR	735	9	NR	865	0	NR	995	0	NR
480	46	NR	610	317	NR	740	8	NR	870	0	NR	1000	0	NR
485	47	NR	615	336	NR	745	7	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-1

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.55

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	60	NR	620	277	NR	750	6	NR	880	0	NR
365	0	NR	495	87	NR	625	278	NR	755	5	NR	885	0	NR
370	0	NR	500	124	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	168	NR	635	623	NR	765	4	NR	895	0	NR
380	1	NR	510	209	NR	640	162	NR	770	3	NR	900	0	NR
385	1	NR	515	246	NR	645	158	NR	775	3	NR	905	0	NR
390	2	NR	520	273	NR	650	134	NR	780	2	NR	910	0	NR
395	4	NR	525	292	NR	655	109	NR	785	2	NR	915	0	NR
400	5	NR	530	305	NR	660	91	NR	790	2	NR	920	0	NR
405	7	NR	535	313	NR	665	75	NR	795	2	NR	925	0	NR
410	11	NR	540	319	NR	670	70	NR	800	1	NR	930	0	NR
415	21	NR	545	323	NR	675	56	NR	805	1	NR	935	0	NR
420	42	NR	550	326	NR	680	47	NR	810	1	NR	940	0	NR
425	76	NR	555	330	NR	685	41	NR	815	1	NR	945	0	NR
430	125	NR	560	333	NR	690	35	NR	820	1	NR	950	0	NR
435	193	NR	565	336	NR	695	30	NR	825	1	NR	955	0	NR
440	302	NR	570	336	NR	700	26	NR	830	1	NR	960	0	NR
445	432	NR	575	335	NR	705	22	NR	835	1	NR	965	0	NR
450	380	NR	580	332	NR	710	19	NR	840	0	NR	970	0	NR
455	213	NR	585	326	NR	715	16	NR	845	0	NR	975	0	NR
460	147	NR	590	319	NR	720	14	NR	850	0	NR	980	0	NR
465	104	NR	595	307	NR	725	12	NR	855	0	NR	985	0	NR
470	65	NR	600	299	NR	730	10	NR	860	0	NR	990	0	NR
475	50	NR	605	291	NR	735	9	NR	865	0	NR	995	0	NR
480	46	NR	610	317	NR	740	8	NR	870	0	NR	1000	0	NR
485	47	NR	615	336	NR	745	7	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-1

**Melanopic Flux vs. Wavelength**



**Melanopic Lumens: NR**

**M/P: 2.99**

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	60	NR	620	277	NR	750	6	NR	880	0	NR
365	0	NR	495	87	NR	625	278	NR	755	5	NR	885	0	NR
370	0	NR	500	124	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	168	NR	635	623	NR	765	4	NR	895	0	NR
380	1	NR	510	209	NR	640	162	NR	770	3	NR	900	0	NR
385	1	NR	515	246	NR	645	158	NR	775	3	NR	905	0	NR
390	2	NR	520	273	NR	650	134	NR	780	2	NR	910	0	NR
395	4	NR	525	292	NR	655	109	NR	785	2	NR	915	0	NR
400	5	NR	530	305	NR	660	91	NR	790	2	NR	920	0	NR
405	7	NR	535	313	NR	665	75	NR	795	2	NR	925	0	NR
410	11	NR	540	319	NR	670	70	NR	800	1	NR	930	0	NR
415	21	NR	545	323	NR	675	56	NR	805	1	NR	935	0	NR
420	42	NR	550	326	NR	680	47	NR	810	1	NR	940	0	NR
425	76	NR	555	330	NR	685	41	NR	815	1	NR	945	0	NR
430	125	NR	560	333	NR	690	35	NR	820	1	NR	950	0	NR
435	193	NR	565	336	NR	695	30	NR	825	1	NR	955	0	NR
440	302	NR	570	336	NR	700	26	NR	830	1	NR	960	0	NR
445	432	NR	575	335	NR	705	22	NR	835	1	NR	965	0	NR
450	380	NR	580	332	NR	710	19	NR	840	0	NR	970	0	NR
455	213	NR	585	326	NR	715	16	NR	845	0	NR	975	0	NR
460	147	NR	590	319	NR	720	14	NR	850	0	NR	980	0	NR
465	104	NR	595	307	NR	725	12	NR	855	0	NR	985	0	NR
470	65	NR	600	299	NR	730	10	NR	860	0	NR	990	0	NR
475	50	NR	605	291	NR	735	9	NR	865	0	NR	995	0	NR
480	46	NR	610	317	NR	740	8	NR	870	0	NR	1000	0	NR
485	47	NR	615	336	NR	745	7	NR	875	0	NR			

**Summary**

$R_f = 80.7$   
 $R_g = 102.1$   
 CIE  $R_a = 82.1$   
 $R_9 = 38.5$

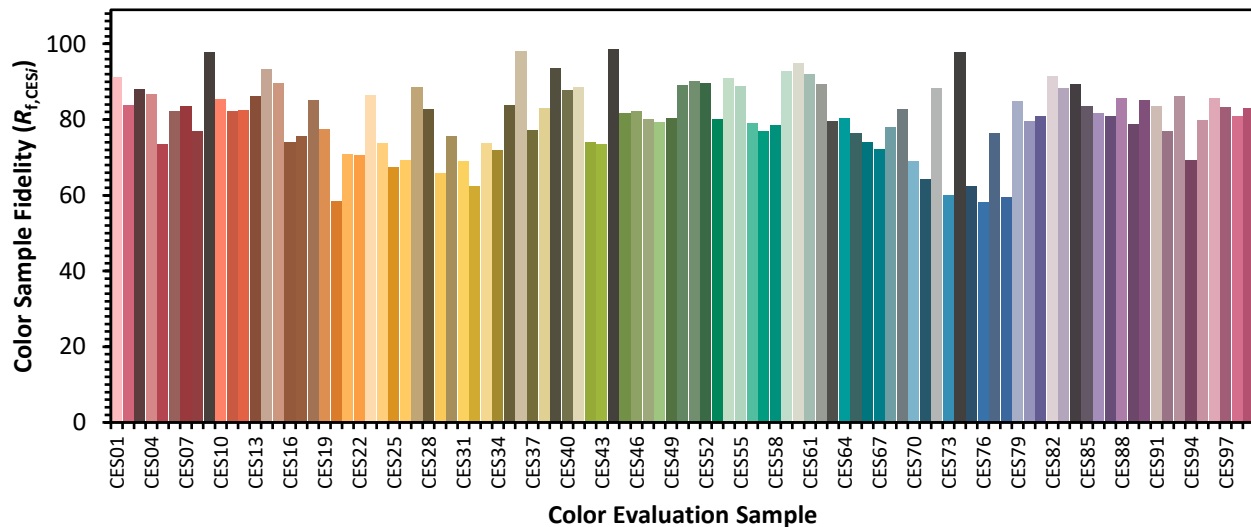


**Color Vector Graphics**



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

CES01 = 85	CES26 = 69	CES51 = 90	CES76 = 58
CES02 = 61	CES27 = 89	CES52 = 90	CES77 = 76
CES03 = 31	CES28 = 83	CES53 = 80	CES78 = 60
CES04 = 69	CES29 = 66	CES54 = 91	CES79 = 85
CES05 = 48	CES30 = 76	CES55 = 89	CES80 = 79
CES06 = 50	CES31 = 69	CES56 = 79	CES81 = 81
CES07 = 41	CES32 = 62	CES57 = 77	CES82 = 91
CES08 = 40	CES33 = 74	CES58 = 79	CES83 = 88
CES09 = 29	CES34 = 72	CES59 = 93	CES84 = 89
CES10 = 74	CES35 = 84	CES60 = 95	CES85 = 84
CES11 = 57	CES36 = 98	CES61 = 92	CES86 = 82
CES12 = 63	CES37 = 77	CES62 = 89	CES87 = 81
CES13 = 43	CES38 = 83	CES63 = 80	CES88 = 86
CES14 = 74	CES39 = 94	CES64 = 80	CES89 = 79
CES15 = 71	CES40 = 88	CES65 = 77	CES90 = 85
CES16 = 47	CES41 = 89	CES66 = 74	CES91 = 83
CES17 = 49	CES42 = 74	CES67 = 72	CES92 = 77
CES18 = 56	CES43 = 73	CES68 = 78	CES93 = 86
CES19 = 71	CES44 = 98	CES69 = 83	CES94 = 69
CES20 = 65	CES45 = 82	CES70 = 69	CES95 = 80
CES21 = 86	CES46 = 82	CES71 = 64	CES96 = 86
CES22 = 78	CES47 = 80	CES72 = 88	CES97 = 83
CES23 = 91	CES48 = 79	CES73 = 60	CES98 = 81
CES24 = 90	CES49 = 80	CES74 = 98	CES99 = 83
CES25 = 71	CES50 = 89	CES75 = 62	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)