

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: P1444405

Luminaire Tested: EHBR1-48-UNV-TA-L840-UPL12

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444405
REPORT IS A COMBINATION OF REPORTS P1444306 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-UPL12
Description: Elevate Round Highbay at, 48000 lumens, 4000K 80CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

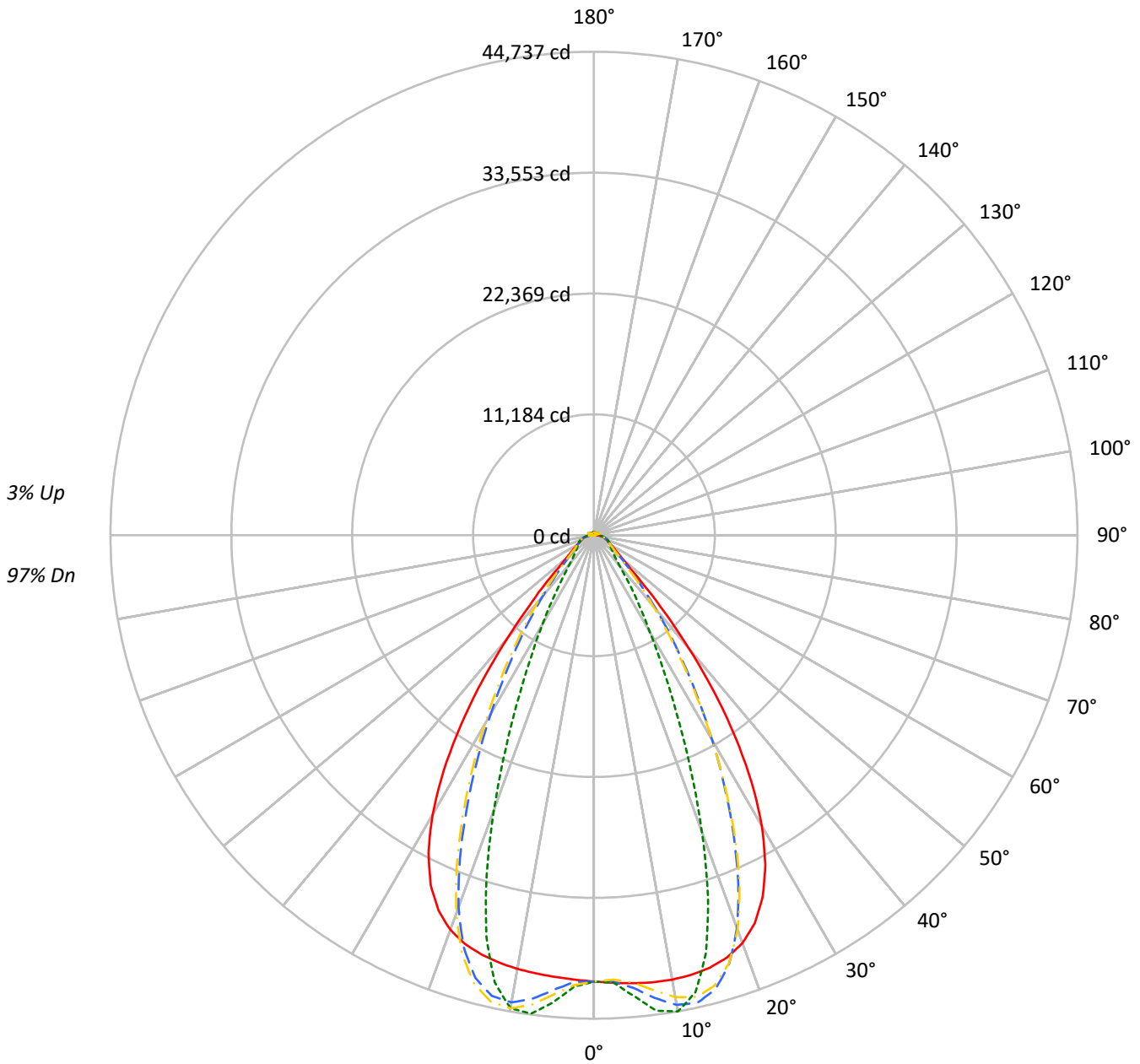
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49030.3 lumens
Efficiency: N/A
Efficacy: 184.3 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): 266
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: P1444405
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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
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	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97
1	111	108	105	102	108	105	103	100	101	98	96	96	95	93	92	91	90	92	91	90	88
2	104	99	94	90	102	97	92	88	93	89	86	89	86	84	86	84	81	86	84	81	79
3	98	91	85	80	96	89	83	79	86	81	77	83	79	76	80	77	74	80	77	74	72
4	92	84	77	72	90	82	76	72	80	74	70	77	73	69	75	71	68	75	71	68	66
5	87	78	71	66	85	76	70	65	74	69	65	72	67	64	70	66	63	70	66	63	61
6	82	72	65	60	80	71	65	60	69	64	59	67	63	59	66	61	58	66	61	58	56
7	78	67	61	56	76	66	60	56	65	59	55	63	58	55	62	57	54	62	57	54	52
8	74	63	56	52	72	62	56	52	61	55	51	60	54	51	58	54	50	58	54	50	49
9	70	59	53	48	68	59	52	48	57	52	48	56	51	47	55	50	47	55	50	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	44	52	47	44	52	47	44	43

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	8.3
10°-20°	11448.8	23.4
20°-30°	13039.2	26.6
30°-40°	9372.0	19.1
40°-50°	4322.4	8.8
50°-60°	2068.4	4.2
60°-70°	1509.2	3.1
70°-80°	1146.6	2.3
80°-90°	523.7	1.1
90°-100°	49.0	0.1
100°-110°	224.9	0.5
110°-120°	414.3	0.8
120°-130°	268.3	0.5
130°-140°	191.8	0.4
140°-150°	157.7	0.3
150°-160°	119.8	0.2
160°-170°	77.2	0.2
170°-180°	27.4	0.1
0°-30°	28557.8	58.2
0°-40°	37929.8	77.4
0°-60°	44320.6	90.4
0°-90°	47500.1	96.9
90°-120°	688.1	1.4
90°-150°	1305.8	2.7
90°-180°	1530.0	3.1
0°-180°	49030.3	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°	123	160	26	35	123	79
95°	22	24	22	24	22	21
105°	87	107	61	107	87	113
115°	367	432	385	433	367	341
125°	298	291	334	292	298	271
135°	263	214	280	218	263	204
145°	258	233	271	239	258	162
155°	258	250	272	256	258	120
165°	273	267	281	270	273	77
175°	288	289	292	290	288	27
180°	292	292	292	292	292	



TEST NUMBER: P1444405
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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°	123.4	130.0	131.8	139.6	141.3	148.1	149.4	157.2	159.0	167.1	169.4
92.5°	19.8	20.8	21.6	23.0	24.0	25.8	27.3	28.7	29.7	31.5	33.6
95°	22.0	23.1	24.2	25.3	26.4	27.6	28.8	29.9	31.0	32.1	35.2
97.5°	26.9	27.9	28.9	29.9	30.9	31.8	32.8	33.8	34.7	35.5	39.5
100°	34.0	34.8	35.6	36.5	37.3	38.1	38.9	39.9	40.7	41.5	48.6
102.5°	53.4	56.3	59.2	62.2	65.1	68.0	71.0	73.9	76.8	79.7	94.9
105°	86.6	94.3	102.5	110.3	118.3	126.3	134.3	142.0	149.9	157.8	182.9
107.5°	143.2	157.8	172.6	187.4	202.1	216.7	231.5	246.1	260.7	275.2	300.7
110°	257.8	269.4	281.3	293.0	304.7	316.5	328.3	339.7	351.6	363.2	381.8



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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°	345.8	350.9	356.1	361.4	366.7	371.6	376.9	382.0	387.3	392.2	405.3
115°	367.3	368.9	370.8	372.2	374.0	375.5	377.2	378.7	380.4	381.7	390.5
117.5°	361.2	360.6	360.0	359.4	358.6	358.0	357.3	356.4	355.6	354.8	359.6
120°	343.1	340.9	339.1	336.8	334.9	332.6	330.5	328.3	326.0	323.6	325.5
122.5°	319.0	316.6	314.5	311.8	309.4	306.7	304.3	301.2	298.8	296.0	296.1
125°	297.8	295.2	293.1	290.4	287.6	284.9	282.2	279.4	276.7	273.5	273.3
127.5°	280.3	278.5	276.6	274.3	272.2	269.9	267.7	265.2	263.0	260.3	259.8
130°	271.1	269.5	267.6	265.6	263.6	261.2	258.9	256.6	254.4	251.8	251.1
132.5°	264.9	263.6	262.0	260.4	258.6	256.4	254.6	252.2	250.3	248.3	247.5
135°	262.6	261.1	259.9	258.2	256.5	254.4	252.4	250.2	248.3	246.0	245.5
137.5°	261.3	260.0	258.8	257.0	255.4	253.2	251.4	249.2	247.3	245.1	244.5
140°	260.3	259.2	257.8	256.1	254.6	252.8	250.7	248.8	246.8	244.7	244.2
142.5°	258.3	257.1	256.0	254.5	253.2	251.2	249.6	247.6	245.9	244.0	243.7
145°	258.0	257.0	256.1	254.7	253.3	251.5	250.0	248.1	246.7	244.9	244.6
147.5°	258.0	257.0	256.3	255.1	254.0	252.2	250.9	249.2	247.9	246.3	246.2
150°	258.0	257.2	256.5	255.4	254.2	252.8	251.4	250.0	248.6	247.1	246.9
152.5°	257.2	256.3	255.7	254.6	253.6	251.9	251.1	249.5	248.3	246.9	246.7
155°	258.5	257.7	256.7	255.9	254.7	253.6	252.2	251.1	249.9	248.6	248.4
157.5°	261.0	260.0	259.3	258.2	257.5	256.3	255.3	254.3	253.3	252.1	251.7
160°	264.7	263.8	262.9	262.0	261.0	259.8	258.9	257.9	257.2	256.0	255.8
162.5°	268.6	267.6	266.7	265.8	265.0	263.8	262.9	262.1	261.2	260.1	259.8
165°	272.8	272.2	271.5	270.7	269.9	269.2	268.4	267.5	266.8	265.8	265.6
167.5°	278.5	277.7	277.2	276.4	275.5	274.9	273.9	273.1	272.6	271.6	271.4
170°	282.5	281.7	281.3	280.8	280.2	279.6	279.1	278.5	277.9	277.3	277.2
172.5°	285.8	285.2	284.9	284.6	284.0	283.7	283.2	282.8	282.5	281.9	282.0
175°	287.8	287.3	287.2	286.9	286.6	286.3	286.1	285.7	285.7	285.3	285.2
177.5°	290.2	290.0	290.0	289.9	289.9	289.7	289.6	289.3	289.1	289.1	289.1
180°	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8



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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°	177.6	180.8	188.7	188.4	193.4	192.4	149.1	143.8	140.4	142.7	137.8
92.5°	36.2	38.1	40.6	42.7	45.1	47.3	44.8	45.5	43.8	41.4	39.9
95°	38.5	41.9	45.2	48.4	51.8	55.1	58.4	61.8	58.6	55.5	52.4
97.5°	43.4	47.3	51.2	55.0	58.9	62.9	66.8	70.7	67.4	63.8	60.4
100°	56.0	63.3	70.4	77.7	85.0	92.2	99.6	106.9	100.5	93.7	87.4
102.5°	110.3	125.7	141.2	156.5	171.9	187.4	203.0	218.5	203.7	188.8	173.9
105°	207.9	233.0	257.9	282.6	307.5	332.7	358.1	383.0	359.4	335.7	312.2
107.5°	325.9	351.3	376.4	401.5	426.8	452.0	478.1	503.4	480.2	456.9	433.9
110°	400.2	418.3	436.7	455.1	473.2	491.6	510.9	529.2	515.2	501.1	487.0



TEST NUMBER: P1444405
 CATALOG NUMBER: EHBR1-48-UNV-TA-L840-UPL12

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	418.1	431.2	444.3	456.9	469.7	482.7	497.0	510.3	502.9	495.4	488.3
115°	398.9	407.6	415.9	424.5	433.0	441.3	451.5	460.5	457.7	455.0	452.2
117.5°	363.9	368.4	372.9	377.5	381.7	386.1	392.8	397.6	397.3	397.1	396.9
120°	326.8	328.4	329.8	331.5	332.8	334.1	338.1	340.1	341.3	342.4	343.6
122.5°	296.3	296.4	296.4	296.5	296.6	296.5	299.7	300.4	300.8	301.2	301.7
125°	273.0	272.5	272.1	271.8	271.1	270.7	273.8	273.9	273.2	272.3	271.6
127.5°	259.0	258.2	257.4	256.7	255.6	254.9	257.7	257.6	256.0	254.3	252.6
130°	250.4	249.7	248.9	248.2	247.5	246.8	249.9	250.1	247.9	245.3	243.1
132.5°	246.7	246.1	245.2	244.7	244.0	243.2	246.7	247.0	244.6	241.9	239.3
135°	244.7	244.1	243.4	242.7	242.1	241.6	245.5	245.9	243.6	240.8	238.4
137.5°	243.5	243.0	242.4	241.9	241.2	240.6	245.1	245.7	243.7	241.3	239.2
140°	243.6	243.0	242.5	242.2	241.6	241.4	246.2	246.9	245.2	243.4	241.5
142.5°	243.0	242.9	242.6	242.6	242.2	242.2	247.7	248.7	247.3	245.7	244.3
145°	244.2	244.2	244.0	244.1	244.0	244.2	250.3	251.8	250.8	249.5	248.3
147.5°	245.5	245.5	245.4	245.4	245.3	245.8	252.6	254.1	253.4	252.2	251.5
150°	246.6	246.6	246.4	246.6	246.9	247.2	255.0	256.9	256.2	255.5	254.8
152.5°	246.4	246.4	246.3	246.3	246.4	246.8	256.5	258.8	258.3	257.4	257.0
155°	248.1	247.9	247.7	247.7	247.6	248.0	258.7	261.3	260.8	260.3	259.7
157.5°	251.4	251.0	250.6	250.6	250.5	250.4	262.0	265.0	264.4	264.0	263.4
160°	255.2	255.0	254.5	254.4	254.0	253.9	265.9	268.7	268.4	267.8	267.3
162.5°	259.4	259.6	259.1	258.9	258.6	258.8	270.7	273.8	273.1	272.6	272.1
165°	265.3	264.8	264.5	264.4	264.1	263.9	275.3	278.0	277.7	277.1	276.6
167.5°	271.0	270.9	270.5	270.4	270.2	270.3	280.8	283.4	283.1	282.4	282.1
170°	276.9	276.9	276.6	276.6	276.6	276.7	285.5	287.7	287.5	286.8	286.5
172.5°	281.9	282.0	282.0	282.0	282.0	282.2	289.7	291.7	291.4	291.0	290.5
175°	285.2	285.2	285.3	285.5	285.5	285.7	291.6	293.0	292.8	292.5	292.2
177.5°	289.3	289.2	289.4	289.5	289.7	289.8	293.3	294.2	294.0	294.0	293.9
180°	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8



TEST NUMBER: P1444405
 CATALOG NUMBER: EHBR1-48-UNV-TA-L840-UPL12

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°	138.3	133.5	136.8	135.4	141.0	139.6	144.8	142.5	148.6	149.3	157.2
92.5°	37.1	35.5	32.9	31.1	28.7	27.1	25.5	25.1	23.6	23.2	21.7
95°	49.3	46.2	43.2	40.1	37.0	33.9	32.8	31.7	30.5	29.4	28.3
97.5°	57.1	53.9	50.6	47.0	43.7	40.4	39.7	38.8	38.1	37.3	36.6
100°	80.7	74.4	67.9	61.4	55.0	48.6	48.0	47.4	46.8	46.2	45.6
102.5°	159.2	144.3	129.7	114.8	100.2	85.3	82.7	80.1	77.6	75.1	72.4
105°	288.4	264.7	241.1	217.4	193.9	170.3	163.4	156.0	149.0	142.0	135.0
107.5°	410.7	387.5	364.5	341.4	318.4	295.3	284.1	273.1	261.7	250.6	239.6
110°	472.6	458.7	444.9	430.6	416.8	402.9	392.1	381.5	370.7	360.0	349.5



TEST NUMBER: P1444405
 CATALOG NUMBER: EHBR1-48-UNV-TA-L840-UPL12

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	480.9	473.6	466.3	459.1	452.0	444.8	439.5	434.2	429.0	423.7	418.2
115°	449.4	446.8	444.2	441.5	439.1	436.5	435.9	435.4	434.7	434.2	433.9
117.5°	396.6	396.4	396.1	396.1	396.0	396.0	398.5	400.8	403.3	406.0	408.7
120°	344.7	345.8	346.8	348.1	349.3	350.7	353.8	357.2	360.4	364.0	367.7
122.5°	302.1	302.6	302.9	303.6	304.1	304.8	307.6	310.9	314.0	317.3	321.0
125°	270.5	269.6	268.8	267.8	266.9	266.4	268.5	270.8	273.3	276.1	278.7
127.5°	250.6	248.7	246.8	245.2	243.2	241.7	242.5	243.6	244.5	245.8	247.1
130°	240.4	238.0	235.2	233.0	230.2	227.9	227.7	227.6	227.5	227.6	227.6
132.5°	236.5	233.9	231.1	228.2	225.5	222.8	221.7	220.8	219.8	219.2	218.4
135°	235.7	233.3	230.4	227.7	224.9	222.4	221.0	219.6	218.2	217.0	216.0
137.5°	237.0	234.8	232.5	230.4	227.7	225.6	223.8	222.4	220.7	219.7	218.1
140°	239.4	237.7	235.5	233.6	231.6	229.7	228.0	226.9	225.3	224.3	223.0
142.5°	242.5	240.9	239.3	237.7	236.1	234.5	233.1	231.8	230.5	229.3	228.1
145°	247.1	245.9	244.6	243.4	242.0	240.8	239.3	238.4	237.2	236.2	235.5
147.5°	250.5	249.5	248.5	247.5	246.4	245.4	244.3	243.7	242.5	241.9	240.9
150°	253.8	252.9	251.8	251.2	250.0	249.2	248.4	247.7	246.8	246.4	245.6
152.5°	255.9	255.2	254.4	253.8	252.8	251.8	251.1	250.6	249.9	249.4	248.6
155°	259.0	258.4	257.6	257.0	256.1	255.6	254.9	254.1	253.5	252.9	252.1
157.5°	262.8	262.2	261.4	261.0	260.1	259.5	258.9	258.3	257.5	257.0	256.3
160°	266.7	266.3	265.5	264.9	264.3	263.7	262.7	262.2	261.4	260.9	260.0
162.5°	271.4	270.7	270.1	269.5	268.7	268.1	267.4	266.8	266.1	265.5	264.8
165°	276.0	275.4	274.8	274.1	273.6	273.0	272.2	271.6	270.9	270.3	269.5
167.5°	281.5	281.1	280.5	280.0	279.3	278.7	278.1	277.5	276.8	276.1	275.3
170°	286.0	285.2	284.8	284.2	283.7	283.0	282.4	281.7	281.1	280.7	279.8
172.5°	290.1	289.9	289.3	289.0	288.3	287.9	287.5	287.0	286.5	286.0	285.5
175°	292.1	291.9	291.8	291.3	291.2	290.9	290.6	290.4	290.1	290.0	289.5
177.5°	293.9	293.7	293.7	293.4	293.3	293.3	293.0	292.9	292.8	292.5	292.4
180°	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8



TEST NUMBER: P1444405
 CATALOG NUMBER: EHBR1-48-UNV-TA-L840-UPL12

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°	156.4	161.9	158.1	160.0	155.2	156.2	147.8	145.4	133.4	129.3	118.6
92.5°	21.0	19.6	18.8	17.7	19.4	19.7	21.3	21.7	23.1	23.6	25.1
95°	27.1	25.9	24.8	23.7	24.6	25.5	26.4	27.3	28.2	29.1	30.0
97.5°	35.8	35.1	34.3	33.6	34.1	34.6	35.2	35.7	36.2	36.7	37.5
100°	45.0	44.4	43.8	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
102.5°	69.9	67.4	64.8	62.3	64.0	65.7	67.4	69.1	70.9	72.6	74.6
105°	127.9	121.0	113.9	107.0	113.7	120.5	127.3	134.1	140.9	147.9	154.8
107.5°	228.3	217.2	206.2	195.1	207.7	220.1	232.4	244.7	257.1	269.4	282.0
110°	338.9	328.4	317.8	307.3	320.5	333.6	346.7	359.8	372.9	386.0	399.5



TEST NUMBER: P1444405
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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°	413.1	408.0	402.9	397.7	406.2	414.6	423.1	431.9	440.2	448.9	457.4
115°	433.4	433.1	432.8	432.5	436.5	440.4	444.5	448.6	452.7	456.7	461.0
117.5°	411.4	414.0	416.9	419.7	421.1	422.3	423.8	425.1	426.6	428.0	429.6
120°	371.3	374.7	378.6	382.4	381.9	381.4	380.9	380.4	380.4	380.0	380.1
122.5°	324.5	328.0	331.9	335.6	334.5	333.4	332.3	331.4	330.6	329.8	329.1
125°	281.7	284.5	287.6	290.7	289.6	288.5	287.4	286.8	286.0	285.1	284.6
127.5°	248.8	250.5	252.0	254.0	253.5	253.0	252.9	252.5	252.5	252.6	252.7
130°	228.0	228.5	229.3	229.9	230.1	230.2	230.9	231.3	232.1	232.6	233.7
132.5°	218.3	217.8	217.8	217.7	218.3	219.0	220.0	220.9	222.3	223.3	225.2
135°	215.3	214.6	214.1	213.7	214.6	215.3	216.6	217.8	219.4	221.1	222.9
137.5°	217.3	216.4	215.7	214.9	215.8	216.7	217.9	219.2	220.8	222.4	224.4
140°	222.2	221.2	220.8	220.0	220.9	221.6	222.8	224.0	225.6	227.2	229.0
142.5°	227.3	226.3	225.8	225.4	225.9	226.7	228.0	229.0	230.5	231.8	233.6
145°	234.6	233.8	233.5	232.9	233.3	233.9	234.7	235.6	236.6	237.5	239.0
147.5°	240.3	239.7	239.4	238.9	239.3	239.7	240.2	240.7	241.7	242.5	243.5
150°	245.4	244.7	244.3	244.1	244.3	244.4	244.9	245.0	245.6	246.1	247.0
152.5°	248.4	247.6	247.6	247.2	247.2	247.3	247.6	247.8	248.2	248.5	249.3
155°	251.8	251.3	250.8	250.4	250.3	250.1	250.3	250.1	250.4	250.4	250.7
157.5°	256.0	255.4	255.1	254.5	254.3	253.8	253.8	253.6	253.6	253.2	253.3
160°	259.6	258.9	258.3	257.7	257.5	257.1	257.1	256.7	256.6	256.5	256.5
162.5°	264.3	263.7	263.2	262.6	262.3	261.6	261.3	260.7	260.4	260.1	260.0
165°	268.7	268.1	267.6	266.7	266.5	266.2	265.7	265.4	265.2	264.8	264.6
167.5°	274.9	274.0	273.5	272.8	272.4	271.7	271.5	271.0	270.6	270.2	270.2
170°	279.4	278.8	278.4	277.9	277.6	277.1	277.0	276.5	276.4	276.2	276.2
172.5°	285.0	284.6	284.2	283.8	283.5	283.2	283.0	282.9	282.6	282.6	282.4
175°	289.3	289.0	288.9	288.6	288.3	288.2	288.1	288.0	287.9	287.6	287.6
177.5°	292.0	291.9	291.8	291.7	291.5	291.5	291.5	291.5	291.5	291.4	291.2
180°	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8



TEST NUMBER: P1444405
 CATALOG NUMBER: EHBR1-48-UNV-TA-L840-UPL12

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°	116.4	107.1	105.2	97.6	97.1	90.5	91.4	86.9	88.7	83.9	86.2
92.5°	25.5	26.5	28.3	30.5	32.0	33.8	35.5	37.7	39.3	41.4	42.9
95°	30.9	31.8	34.2	36.6	39.0	41.5	43.9	46.3	48.7	51.2	53.6
97.5°	38.0	38.5	41.0	43.4	45.8	48.2	50.6	53.3	55.7	58.1	60.5
100°	43.2	43.3	50.1	57.0	63.9	70.9	77.7	84.6	91.7	98.6	105.4
102.5°	76.3	78.0	95.4	112.7	130.1	147.4	164.9	182.4	199.8	217.3	234.8
105°	161.5	168.4	194.8	221.5	247.9	274.4	301.0	327.7	354.3	380.9	407.4
107.5°	294.4	306.8	331.0	354.9	378.8	402.9	427.1	451.1	475.1	499.3	523.7
110°	412.6	425.9	441.9	458.2	474.4	490.6	506.9	523.2	539.6	555.9	572.4



TEST NUMBER: P1444405
 CATALOG NUMBER: EHBR1-48-UNV-TA-L840-UPL12

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	465.9	474.6	484.1	493.9	503.4	513.1	522.7	532.4	542.2	552.1	561.8
115°	465.2	469.6	473.3	477.5	481.3	485.4	489.4	493.7	498.0	502.2	506.4
117.5°	431.0	433.0	433.7	434.8	435.7	437.1	438.1	439.5	440.8	442.2	443.3
120°	379.9	379.8	379.7	379.7	379.6	379.7	379.9	380.0	380.4	380.6	380.8
122.5°	328.4	328.1	328.0	328.1	328.3	328.6	328.9	329.5	329.9	330.3	330.6
125°	284.1	283.9	285.2	286.6	288.0	289.5	290.8	292.7	294.2	295.8	297.6
127.5°	252.8	253.4	255.6	257.9	260.3	262.7	265.3	267.9	270.3	273.1	275.5
130°	234.7	236.0	238.6	241.7	244.4	247.4	250.3	253.6	256.3	259.3	262.2
132.5°	226.5	228.5	231.0	234.0	236.7	239.6	242.8	245.7	248.6	251.7	254.4
135°	224.8	227.0	229.5	232.3	235.0	237.9	240.5	243.6	246.1	248.9	251.5
137.5°	226.2	228.3	230.8	233.0	235.2	237.9	240.2	242.8	245.0	247.4	249.6
140°	230.9	233.0	234.5	236.5	238.1	240.0	241.6	243.6	245.0	247.1	248.5
142.5°	235.1	237.1	238.1	239.5	240.9	242.7	244.0	245.4	246.6	247.8	248.9
145°	240.2	241.9	242.6	243.5	244.3	245.1	245.8	246.7	247.2	247.9	248.5
147.5°	244.6	245.7	246.0	246.7	247.2	247.6	248.1	248.7	248.8	249.4	249.8
150°	247.6	248.5	248.5	248.9	248.9	249.2	249.2	249.6	249.6	249.9	249.9
152.5°	249.7	250.4	250.1	250.4	250.2	250.2	250.1	250.2	250.1	250.1	250.2
155°	250.7	251.0	250.8	250.9	250.7	250.7	250.5	250.9	250.8	250.9	251.0
157.5°	253.1	253.1	253.0	253.0	252.7	252.8	252.8	252.8	252.9	253.4	253.6
160°	256.2	256.2	255.9	255.9	255.8	255.7	255.7	255.9	256.0	256.6	256.8
162.5°	259.5	259.4	259.1	259.1	259.0	259.1	259.2	259.6	259.6	260.1	260.4
165°	264.6	264.7	264.3	264.4	264.3	264.2	264.3	264.4	264.8	265.0	265.4
167.5°	269.9	269.8	269.8	270.0	270.0	270.1	270.3	270.9	271.0	271.6	271.8
170°	276.1	276.2	276.0	276.0	276.0	276.1	276.1	276.2	276.5	276.7	276.7
172.5°	282.4	282.4	282.3	282.1	282.0	282.0	281.9	282.0	281.9	281.8	281.7
175°	287.4	287.3	287.2	287.2	287.1	286.8	286.8	286.4	286.3	286.3	286.2
177.5°	291.1	290.8	290.6	290.6	290.5	290.3	290.3	290.2	290.2	290.2	289.9
180°	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8



TEST NUMBER: P1444405
 CATALOG NUMBER: EHBR1-48-UNV-TA-L840-UPL12

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°	78.9	78.6	71.7	71.5	64.9	62.3	54.4	52.8	45.7	44.5	39.5
92.5°	40.9	38.8	37.0	34.7	33.0	31.0	28.9	26.8	24.8	23.8	23.5
95°	50.7	47.9	45.0	42.1	39.0	36.1	33.3	30.4	27.4	26.8	26.2
97.5°	57.2	53.7	50.2	47.0	43.5	40.1	36.7	33.2	29.8	29.4	29.0
100°	97.6	89.8	81.8	73.9	65.9	57.9	50.1	42.2	34.4	34.0	33.5
102.5°	215.4	196.3	177.1	157.9	138.8	119.5	100.3	80.9	61.8	58.9	56.2
105°	378.4	349.1	320.4	291.2	262.0	232.9	203.9	174.6	145.5	136.2	126.8
107.5°	496.4	469.0	441.9	414.7	387.3	360.1	332.8	305.3	278.0	261.5	245.2
110°	550.8	529.2	507.9	486.3	464.7	443.2	421.6	400.0	378.4	364.2	350.4



TEST NUMBER: P1444405
 CATALOG NUMBER: EHBR1-48-UNV-TA-L840-UPL12

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	546.3	530.7	515.4	499.6	484.1	468.3	452.7	437.0	421.2	412.8	404.4
115°	497.4	488.3	479.2	470.0	460.9	451.7	442.5	433.1	423.7	419.5	415.3
117.5°	439.2	434.8	430.6	426.3	422.0	417.4	413.1	408.5	404.0	402.9	401.7
120°	380.5	379.7	378.7	377.9	377.1	376.3	375.2	374.2	373.1	373.9	374.7
122.5°	332.3	333.6	335.1	336.2	337.7	338.8	340.3	341.2	342.5	344.4	346.2
125°	299.9	302.1	304.5	306.7	308.9	311.1	313.5	315.4	317.7	319.4	321.6
127.5°	278.3	280.6	283.3	285.6	288.3	290.7	293.2	295.3	297.9	299.8	301.9
130°	264.8	267.0	269.5	271.7	274.0	276.4	278.6	281.0	283.2	285.0	287.0
132.5°	256.6	258.9	261.2	263.1	265.6	267.6	269.9	272.0	274.4	276.0	277.8
135°	253.7	255.3	257.3	259.0	261.1	262.7	264.8	266.8	268.9	270.3	272.0
137.5°	251.3	252.9	254.8	256.2	258.1	259.6	261.6	263.2	265.5	266.5	268.2
140°	250.1	251.6	253.4	255.0	256.7	258.2	260.4	262.1	264.2	265.5	266.9
142.5°	250.4	251.5	253.0	254.3	255.9	257.2	258.9	260.6	262.4	263.9	265.2
145°	249.9	251.2	252.8	254.1	255.5	257.0	259.0	260.7	262.6	263.8	265.2
147.5°	250.9	251.9	253.4	254.6	256.0	257.2	259.0	260.5	262.3	263.6	264.7
150°	251.1	252.1	253.4	254.5	255.9	257.3	259.0	260.5	262.6	263.8	264.9
152.5°	251.3	252.4	253.6	255.0	256.4	257.9	259.5	261.2	263.0	264.1	265.3
155°	252.2	253.2	254.6	255.9	257.4	258.6	260.3	261.8	263.6	264.8	265.8
157.5°	254.7	255.5	256.8	258.1	259.3	260.6	262.3	263.6	265.2	266.1	267.0
160°	257.8	258.7	259.9	261.2	262.3	263.7	265.0	266.2	267.5	268.5	269.4
162.5°	261.4	262.6	263.8	264.8	266.1	267.3	268.6	269.8	271.1	271.8	272.7
165°	266.3	267.2	268.2	269.0	270.0	270.7	271.9	272.8	274.0	274.6	275.7
167.5°	272.8	273.3	274.0	274.8	275.7	276.4	277.4	278.1	279.1	279.8	280.5
170°	277.4	278.0	278.5	279.1	279.9	280.5	281.2	281.8	282.8	283.3	283.9
172.5°	282.1	282.3	282.9	283.2	283.6	284.0	284.5	285.1	285.5	286.2	286.6
175°	286.6	286.6	286.9	287.0	287.1	287.4	287.8	288.1	288.3	288.7	288.9
177.5°	290.0	290.1	290.1	290.2	290.6	290.7	290.8	290.9	291.2	291.4	291.7
180°	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8



TEST NUMBER: P1444405
 CATALOG NUMBER: EHBR1-48-UNV-TA-L840-UPL12

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°	38.8	34.2	33.9	29.7	29.0	26.1	25.7	25.2	25.4	25.1	25.4
92.5°	22.8	22.1	21.5	20.8	20.1	19.5	18.8	19.5	20.1	20.8	21.5
95°	25.6	25.0	24.5	23.9	23.3	22.7	22.1	22.7	23.3	24.1	24.7
97.5°	28.7	28.3	27.8	27.4	27.1	26.7	26.3	26.9	27.3	27.6	28.1
100°	33.1	32.6	32.2	31.7	31.3	30.8	30.4	31.1	31.6	32.0	32.5
102.5°	53.5	50.7	47.9	45.1	42.3	39.6	36.7	39.6	42.3	45.3	48.1
105°	117.3	108.2	98.8	89.4	79.9	70.5	61.1	70.6	80.0	89.5	99.1
107.5°	228.5	212.3	195.7	179.3	162.5	146.1	129.6	146.3	162.9	179.5	196.0
110°	336.2	322.0	307.8	293.6	279.4	265.3	250.9	265.4	279.7	293.9	308.2



TEST NUMBER: P1444405
 CATALOG NUMBER: EHBR1-48-UNV-TA-L840-UPL12

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	395.8	387.4	378.8	370.4	361.6	353.3	344.5	353.6	362.2	371.1	379.8
115°	411.1	406.7	402.6	398.3	393.6	389.3	384.6	389.8	394.4	399.2	403.8
117.5°	400.4	399.4	397.9	396.7	395.3	394.0	392.5	394.3	396.0	398.1	399.5
120°	375.1	376.1	376.7	377.2	377.8	378.2	378.5	378.8	378.8	378.8	378.7
122.5°	348.0	349.9	351.4	353.3	354.9	356.4	357.7	357.0	356.1	355.2	353.9
125°	323.4	325.6	327.3	329.2	330.9	332.7	333.9	333.5	332.6	331.6	330.2
127.5°	303.9	305.7	307.5	309.6	311.1	312.6	313.9	313.5	312.7	311.8	310.7
130°	288.7	290.7	292.1	293.8	295.2	296.4	297.5	297.4	296.8	296.5	295.6
132.5°	279.3	281.2	282.7	284.2	285.2	286.7	287.3	287.6	287.3	287.2	286.4
135°	273.5	275.0	276.4	278.0	278.9	279.9	280.5	281.0	280.9	280.9	280.3
137.5°	269.4	270.9	271.9	273.1	273.9	274.8	275.2	275.9	276.0	276.5	276.1
140°	268.2	269.7	270.9	271.9	273.0	273.9	274.3	275.1	275.3	275.4	275.1
142.5°	266.6	267.9	269.2	270.4	271.2	272.0	272.5	273.1	273.3	273.4	273.3
145°	266.4	267.5	268.7	269.9	270.5	271.2	271.4	272.3	272.5	272.8	272.8
147.5°	265.8	267.2	267.9	268.9	269.6	270.3	270.7	271.2	271.6	271.8	271.9
150°	266.2	267.4	268.3	269.3	270.2	270.9	271.1	271.8	272.0	272.2	272.1
152.5°	266.4	267.4	268.3	269.1	270.0	270.6	270.9	271.5	272.0	272.3	272.4
155°	266.8	267.8	268.7	269.6	270.2	271.0	271.6	272.2	272.7	273.0	273.3
157.5°	267.9	269.0	269.7	270.6	271.2	272.2	272.8	273.5	274.0	274.6	275.0
160°	270.1	271.2	271.8	272.7	273.5	274.2	274.9	275.7	276.3	276.7	277.4
162.5°	273.5	274.4	275.0	275.9	276.6	277.4	278.0	278.7	279.4	280.0	280.4
165°	276.5	277.3	278.0	278.9	279.6	280.5	281.1	281.7	282.1	282.7	283.0
167.5°	281.1	281.9	282.5	283.3	283.8	284.7	285.4	286.0	286.3	286.8	287.1
170°	284.5	285.2	285.8	286.4	287.2	287.8	288.2	288.5	289.0	289.3	289.7
172.5°	287.1	287.8	288.3	289.0	289.5	290.1	290.6	291.0	291.2	291.3	291.4
175°	289.3	289.9	290.2	290.6	291.0	291.4	291.9	291.8	292.2	292.1	292.3
177.5°	292.2	292.7	293.0	293.2	293.7	293.9	294.2	294.0	294.0	293.8	293.6
180°	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8



TEST NUMBER: P1444405
 CATALOG NUMBER: EHBR1-48-UNV-TA-L840-UPL12

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°	25.3	25.5	25.5	25.8	26.6	27.5	28.8	29.8	31.5	32.4	33.8
92.5°	22.1	23.0	23.7	24.3	25.0	27.0	29.1	31.2	33.3	35.2	37.2
95°	25.2	25.8	26.4	27.3	27.9	30.9	33.8	36.7	39.7	42.7	45.6
97.5°	28.8	29.2	29.5	29.9	30.4	33.8	37.3	40.8	44.2	47.7	51.1
100°	33.0	33.5	33.9	34.6	35.0	43.0	51.0	58.9	66.9	74.8	82.7
102.5°	51.0	53.8	56.6	59.6	62.5	81.8	101.2	120.5	139.5	158.9	178.2
105°	108.5	117.9	127.6	137.0	146.4	175.7	205.0	234.3	263.2	292.4	321.7
107.5°	212.7	229.2	246.1	262.6	279.2	306.7	334.1	361.5	389.1	416.5	443.7
110°	322.9	336.9	351.4	365.8	380.1	401.7	423.6	445.2	467.0	488.7	510.3



TEST NUMBER: P1444405
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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°	388.6	397.2	406.0	414.4	423.2	439.0	455.1	470.8	486.8	502.3	518.1
115°	408.4	412.6	417.3	421.7	426.3	435.8	445.1	454.6	464.0	473.2	482.7
117.5°	401.2	402.7	404.3	405.4	406.9	411.7	416.3	420.9	425.6	430.2	434.8
120°	378.5	378.1	377.8	377.2	376.9	377.8	379.2	380.3	381.5	382.4	383.4
122.5°	352.8	351.2	349.9	348.4	346.9	345.7	344.8	343.6	342.8	341.5	340.4
125°	329.0	327.3	325.9	324.2	322.5	320.6	318.7	316.5	314.5	312.5	310.5
127.5°	309.8	308.1	306.8	305.1	303.5	301.1	299.0	296.6	294.5	292.1	289.9
130°	294.8	293.5	292.5	290.7	289.6	287.3	285.3	283.1	280.9	278.9	276.7
132.5°	285.7	284.7	283.7	282.2	281.2	279.1	277.4	275.1	273.1	271.0	269.2
135°	279.9	279.0	278.4	277.3	276.3	274.2	272.7	270.9	269.2	267.6	265.9
137.5°	276.0	275.2	274.6	273.8	273.0	271.3	270.0	268.3	267.0	265.3	264.0
140°	274.9	274.3	273.7	273.0	272.2	270.7	269.3	267.6	266.2	264.6	263.1
142.5°	272.9	272.5	272.0	271.3	270.7	269.2	268.3	267.0	265.7	264.5	263.2
145°	272.5	272.1	272.0	271.3	271.0	269.6	268.5	267.0	266.0	264.6	263.4
147.5°	272.0	271.6	271.5	271.2	271.1	269.8	269.1	267.9	267.2	265.9	265.2
150°	272.2	272.2	272.0	271.7	271.5	270.5	269.8	268.8	268.1	267.0	266.4
152.5°	272.5	272.6	272.6	272.6	272.7	271.9	271.2	270.3	269.5	268.6	267.9
155°	273.6	273.7	273.9	273.9	273.9	273.3	272.7	271.9	271.3	270.6	270.0
157.5°	275.3	275.6	275.9	276.1	276.2	275.7	275.2	274.5	274.0	273.4	272.9
160°	277.7	278.1	278.4	278.6	278.9	278.5	278.3	277.6	277.4	276.7	276.0
162.5°	280.9	281.3	281.6	281.8	282.1	281.7	281.5	281.1	280.6	279.9	279.4
165°	283.5	283.6	284.0	284.1	284.3	284.0	283.8	283.5	283.2	282.9	282.6
167.5°	287.5	287.5	288.0	288.1	288.3	288.1	288.3	287.9	287.7	287.5	287.3
170°	290.0	290.2	290.4	290.5	290.7	290.5	290.4	290.2	290.3	289.7	289.5
172.5°	291.6	291.7	291.8	292.0	291.9	291.8	291.8	291.7	291.6	291.5	291.3
175°	292.3	292.3	292.4	292.5	292.4	292.5	292.5	292.5	292.4	292.4	292.3
177.5°	293.7	293.7	293.4	293.3	293.3	293.2	293.2	293.2	293.4	293.3	293.2
180°	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8



TEST NUMBER: P1444405
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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°	34.9	48.6	49.4	49.6	45.8	45.4	41.9	42.3	39.4	39.6	36.8
92.5°	39.4	41.4	43.4	41.6	39.8	37.9	36.1	34.1	32.5	30.5	28.9
95°	48.5	51.2	54.1	51.7	49.0	46.6	44.2	41.9	39.5	37.0	34.6
97.5°	54.5	57.7	60.9	58.5	56.1	53.6	51.2	48.8	46.4	43.8	41.4
100°	90.7	98.1	105.8	99.0	92.0	85.2	78.3	71.3	64.5	57.6	50.7
102.5°	197.3	216.2	235.3	217.7	200.4	182.8	165.5	148.1	130.8	113.1	95.9
105°	350.6	379.3	408.2	381.3	354.8	328.1	301.6	275.1	248.5	221.8	195.3
107.5°	471.0	497.3	524.3	500.1	475.9	451.8	427.6	403.5	379.4	355.2	331.3
110°	531.7	552.0	573.3	556.8	540.5	524.0	507.7	491.2	474.9	458.8	442.5



TEST NUMBER: P1444405
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CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	533.8	547.7	562.9	552.8	543.1	533.4	523.6	513.7	504.1	494.3	484.9
115°	491.8	499.0	507.6	503.2	499.1	494.8	490.5	486.4	482.2	478.1	474.2
117.5°	439.2	441.1	445.0	443.5	442.2	440.7	439.4	438.1	437.0	435.9	434.8
120°	384.4	382.6	382.8	382.3	382.2	381.7	381.6	381.2	381.1	380.9	380.9
122.5°	339.2	335.0	332.9	332.4	331.9	331.3	331.0	330.4	330.1	329.8	329.7
125°	308.4	302.8	299.7	298.1	296.5	294.8	293.1	291.5	290.1	288.6	287.2
127.5°	287.5	281.5	278.3	275.8	273.2	270.5	268.0	265.4	263.0	260.3	258.1
130°	274.6	268.5	265.3	262.2	259.5	256.3	253.6	250.6	247.6	244.7	241.9
132.5°	267.0	260.7	257.7	254.9	252.2	249.2	246.5	243.4	240.5	237.4	234.8
135°	264.1	257.9	255.2	252.4	250.0	247.2	244.5	241.8	239.2	236.2	234.0
137.5°	262.2	256.0	253.5	251.1	249.1	246.7	244.7	242.3	239.9	237.3	235.3
140°	261.5	255.0	252.6	251.0	249.6	247.8	246.3	244.7	243.1	241.5	239.7
142.5°	261.9	255.5	253.1	251.9	251.0	249.6	248.8	247.5	246.4	244.8	243.7
145°	262.2	255.2	252.9	252.0	251.7	251.0	250.5	249.8	249.3	248.5	247.9
147.5°	263.9	256.6	254.1	253.9	253.6	253.2	253.1	252.5	252.4	251.9	251.6
150°	265.2	256.8	254.1	254.1	253.9	253.9	253.9	253.7	253.9	253.7	253.7
152.5°	266.8	256.8	253.7	253.7	254.0	253.8	254.0	254.1	254.4	254.6	254.7
155°	268.9	258.1	254.6	254.3	254.3	254.3	254.3	254.5	254.6	254.8	255.0
157.5°	271.9	260.4	257.0	256.5	256.4	256.3	256.3	256.3	256.4	256.5	256.8
160°	275.5	263.8	260.3	259.8	259.6	259.4	259.2	259.0	259.1	259.2	259.4
162.5°	278.7	267.3	264.0	263.4	263.0	262.8	262.7	262.3	262.4	262.3	262.5
165°	282.0	271.9	268.7	268.2	268.1	267.7	267.6	267.4	267.5	267.4	267.6
167.5°	286.7	277.6	275.1	274.5	274.1	273.6	273.6	273.0	273.0	272.7	272.7
170°	289.1	281.9	279.7	279.5	279.6	279.3	279.1	279.1	279.0	278.7	278.8
172.5°	291.1	285.8	284.2	284.1	284.3	284.3	284.5	284.4	284.6	284.7	284.9
175°	292.2	289.2	288.5	288.3	288.3	288.4	288.5	288.5	288.6	288.7	289.0
177.5°	293.4	292.5	292.1	292.1	292.1	292.1	292.1	292.1	292.1	292.3	292.3
180°	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8



TEST NUMBER: P1444405
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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°	37.5	35.3	36.5	34.0	36.2	33.4	36.6	34.2	38.2	34.8	40.6
92.5°	26.8	26.0	24.9	24.1	22.9	22.2	21.0	20.0	19.1	18.1	19.1
95°	32.2	31.3	30.4	29.4	28.5	27.6	26.7	25.8	24.9	24.0	25.1
97.5°	38.9	38.4	37.9	37.3	36.8	36.3	35.8	35.2	34.6	34.1	34.8
100°	43.8	43.8	43.8	43.8	43.5	43.5	43.5	43.5	43.5	43.5	44.1
102.5°	78.3	76.6	74.9	73.0	71.2	69.4	67.7	66.0	64.3	62.6	65.1
105°	168.7	161.9	155.1	148.2	141.3	134.5	127.7	120.9	114.1	107.4	114.3
107.5°	307.3	294.8	282.3	270.0	257.5	245.1	232.8	220.5	208.1	195.7	206.8
110°	426.3	413.1	399.8	386.6	373.4	360.2	347.1	334.0	320.9	307.7	318.2



TEST NUMBER: P1444405
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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°	475.3	466.4	457.8	449.2	440.5	432.2	423.6	415.1	406.7	398.3	403.4
115°	470.1	465.9	461.6	457.5	453.3	449.0	445.0	440.9	437.0	433.0	433.3
117.5°	433.7	432.0	430.4	428.8	427.2	425.8	424.4	423.1	421.7	420.6	417.7
120°	381.0	380.9	380.8	381.1	381.3	381.7	381.7	382.3	382.8	383.3	379.5
122.5°	329.5	329.8	330.3	331.1	331.8	332.6	333.4	334.6	335.7	336.8	333.0
125°	285.6	286.1	286.4	287.0	287.3	288.3	289.1	290.3	291.2	292.5	289.3
127.5°	255.8	255.4	254.8	254.8	254.6	254.8	255.0	255.4	255.9	256.6	254.6
130°	238.9	237.8	236.6	235.7	234.6	234.1	233.7	233.2	233.0	232.9	232.2
132.5°	231.9	230.3	228.5	227.0	225.6	224.6	223.4	222.8	222.0	221.6	221.4
135°	231.0	228.9	227.0	225.2	223.4	222.3	220.7	219.8	218.8	217.9	218.5
137.5°	232.9	231.1	228.9	227.3	225.5	224.3	222.7	221.7	220.8	220.0	220.7
140°	238.0	236.1	234.1	232.5	231.0	229.5	228.2	227.3	226.0	225.6	226.0
142.5°	242.4	240.9	239.0	237.5	236.0	234.9	233.8	232.9	231.8	231.4	231.8
145°	247.1	245.9	244.5	243.3	242.3	241.6	240.3	239.9	239.3	239.1	239.4
147.5°	251.0	250.3	249.1	248.4	247.3	246.9	246.1	245.8	245.3	245.2	245.4
150°	253.6	253.1	252.4	251.8	251.2	250.9	250.5	250.3	250.0	250.0	250.1
152.5°	254.9	254.6	253.9	253.6	253.2	253.0	252.7	252.8	252.6	252.6	252.7
155°	255.2	255.0	254.9	254.9	254.8	255.0	254.9	255.2	255.2	255.5	255.6
157.5°	256.9	257.1	257.1	257.4	257.5	257.8	257.9	258.4	258.5	259.0	259.3
160°	259.8	260.0	260.0	260.3	260.4	260.6	260.9	261.2	261.5	261.8	262.2
162.5°	262.6	263.0	263.2	263.6	264.0	264.3	264.8	265.4	265.7	266.3	266.8
165°	267.7	267.8	267.8	268.0	268.3	268.5	268.7	269.4	269.6	270.1	270.6
167.5°	272.6	272.8	272.8	272.9	273.2	273.6	273.8	274.3	274.8	275.5	275.9
170°	278.6	278.6	278.6	278.6	278.6	278.9	279.1	279.2	279.4	279.8	280.1
172.5°	284.8	284.8	284.5	284.8	284.5	284.8	284.8	285.0	285.0	285.2	285.3
175°	288.8	289.2	289.3	289.5	289.4	289.5	289.6	289.6	289.7	290.0	290.0
177.5°	292.3	292.4	292.4	292.4	292.4	292.6	292.6	292.6	292.6	292.4	292.5
180°	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8



TEST NUMBER: P1444405
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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°	38.4	43.2	41.4	45.6	44.4	49.3	48.6	53.4	51.6	56.0	55.1
92.5°	20.0	21.0	22.0	22.9	23.9	24.9	25.8	26.8	29.0	30.8	33.2
95°	26.2	27.4	28.6	29.7	30.8	32.0	33.1	34.2	37.3	40.4	43.5
97.5°	35.7	36.3	37.1	37.8	38.6	39.4	40.2	40.9	44.3	47.6	51.0
100°	44.7	45.3	45.9	46.5	47.1	47.7	48.3	48.9	55.6	62.1	68.4
102.5°	67.7	70.2	72.7	75.4	78.1	80.6	83.2	85.8	100.7	115.3	130.1
105°	121.4	128.3	135.6	142.6	149.6	156.6	163.8	170.7	194.4	217.9	241.7
107.5°	217.8	228.9	240.0	251.2	262.3	273.5	284.5	295.8	318.8	342.1	365.1
110°	328.8	339.5	350.1	360.7	371.3	382.0	392.7	403.5	417.5	431.4	445.5



TEST NUMBER: P1444405
 CATALOG NUMBER: EHBR1-48-UNV-TA-L840-UPL12

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	408.6	413.7	419.0	424.3	429.6	435.0	440.3	445.8	452.9	460.0	467.4
115°	433.7	434.0	434.6	435.0	435.6	436.0	436.9	437.5	440.1	442.6	445.4
117.5°	414.9	412.3	409.7	406.9	404.3	402.1	399.7	397.4	397.4	397.4	397.7
120°	376.2	372.4	368.9	365.2	361.9	358.5	355.5	352.3	351.1	350.0	348.9
122.5°	329.4	325.9	322.5	319.0	315.8	312.8	309.9	306.9	306.3	305.9	305.5
125°	286.4	283.5	280.8	278.1	275.8	273.4	271.3	269.1	269.9	270.7	271.8
127.5°	253.0	251.4	250.0	248.6	247.7	246.6	245.8	244.9	246.8	248.7	250.6
130°	231.8	231.4	231.3	231.0	231.4	231.4	231.8	232.0	234.6	237.0	239.6
132.5°	221.9	222.2	222.8	223.4	224.3	225.2	226.4	227.4	230.3	232.8	235.7
135°	219.1	219.8	220.9	221.8	223.3	224.5	226.0	227.3	230.3	232.7	235.5
137.5°	221.6	222.4	223.5	224.7	226.3	227.6	229.4	230.9	233.2	235.4	237.7
140°	226.8	227.5	228.6	229.7	231.0	232.3	233.9	235.1	237.4	239.0	240.9
142.5°	232.8	233.2	234.3	235.3	236.6	237.6	239.0	240.0	241.8	243.1	245.1
145°	240.0	240.5	241.6	242.2	243.3	244.3	245.3	246.3	247.6	248.7	249.9
147.5°	246.0	246.4	247.2	248.0	248.9	249.6	250.4	251.1	252.4	253.3	254.2
150°	250.6	251.0	251.5	251.9	252.8	253.6	254.4	254.9	255.7	256.4	257.4
152.5°	253.3	253.6	254.1	254.5	255.1	255.7	256.3	256.9	257.8	258.3	259.1
155°	256.1	256.7	257.3	257.8	258.5	258.8	259.6	260.0	260.8	261.4	262.2
157.5°	259.9	260.2	261.0	261.3	262.1	262.5	263.1	263.7	264.4	264.9	265.5
160°	262.9	263.7	264.2	264.9	265.6	266.1	266.8	267.5	268.1	268.6	269.2
162.5°	267.4	268.0	268.6	269.0	269.6	270.2	270.7	271.3	272.2	272.6	273.3
165°	271.3	271.8	272.6	273.0	273.9	274.5	275.2	275.9	276.3	276.9	277.4
167.5°	276.5	276.9	277.8	278.2	278.9	279.5	280.1	280.6	281.2	281.5	282.1
170°	280.6	281.1	281.7	282.2	282.8	283.1	283.8	284.2	284.9	285.3	286.0
172.5°	285.7	286.1	286.5	286.7	287.1	287.6	288.0	288.2	288.8	289.2	289.5
175°	290.0	290.0	290.1	290.3	290.4	290.4	290.6	290.9	291.0	291.2	291.3
177.5°	292.6	292.6	292.7	292.8	292.9	292.9	293.0	293.1	293.1	293.1	293.1
180°	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8



TEST NUMBER: P1444405
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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°	61.1	60.8	67.3	67.4	75.3	76.5	82.5	80.9	86.7	85.4	91.1
92.5°	35.0	37.4	39.6	41.7	43.8	46.1	44.0	42.0	40.1	38.2	36.1
95°	46.5	49.6	52.7	55.8	58.8	62.0	58.6	55.4	52.1	48.7	45.5
97.5°	54.3	57.5	60.8	64.2	67.7	71.0	67.1	63.2	59.2	55.4	51.6
100°	74.9	81.3	87.8	94.1	100.8	107.2	100.0	92.6	85.6	78.2	70.9
102.5°	145.0	159.7	174.5	189.4	204.0	218.9	203.5	188.3	172.8	157.4	141.9
105°	265.3	289.0	312.6	336.2	359.8	383.8	358.8	333.9	308.8	283.9	258.8
107.5°	388.3	411.3	434.7	457.6	480.8	504.2	479.0	453.6	428.5	403.2	377.9
110°	459.7	473.6	487.8	502.0	516.0	530.3	512.0	493.7	475.3	457.0	438.5



TEST NUMBER: P1444405
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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°	474.5	482.1	489.2	496.7	504.0	511.4	498.4	485.6	472.5	459.7	446.7
115°	448.2	450.8	453.5	456.5	459.1	461.8	453.3	444.9	436.4	427.9	419.0
117.5°	397.9	398.5	398.6	399.2	399.2	399.5	394.9	390.6	385.9	381.4	376.8
120°	347.7	346.8	345.8	344.7	343.5	342.3	340.8	339.5	337.8	336.2	334.4
122.5°	305.0	304.8	304.3	303.9	303.3	302.8	302.7	302.7	302.4	302.2	301.8
125°	272.6	273.6	274.4	275.4	276.2	277.0	277.2	277.6	277.9	278.3	278.3
127.5°	252.4	254.3	256.0	257.8	259.4	261.1	261.6	262.5	263.1	263.8	264.3
130°	242.0	244.7	247.0	249.2	251.4	254.0	254.4	255.1	255.6	256.2	256.7
132.5°	238.3	240.9	243.5	246.3	248.6	251.1	251.6	252.4	252.6	253.3	253.8
135°	238.0	240.5	242.9	245.6	247.7	250.1	250.5	251.0	251.3	252.0	252.4
137.5°	239.6	242.1	244.0	246.1	248.0	250.1	250.3	250.9	251.1	251.8	252.1
140°	242.8	244.6	246.2	248.1	249.6	251.4	251.6	251.9	252.1	252.4	252.5
142.5°	246.4	248.0	249.2	250.9	252.0	253.7	253.4	253.4	253.4	253.4	253.3
145°	251.0	252.5	253.5	254.6	255.3	256.6	256.2	256.1	255.7	255.6	255.2
147.5°	255.0	256.0	256.6	257.5	257.9	258.9	258.5	258.2	257.9	257.4	257.0
150°	257.9	258.9	259.5	260.1	260.6	261.5	260.9	260.5	259.9	259.4	259.0
152.5°	259.8	260.5	261.1	261.5	262.1	262.6	262.0	261.8	261.0	260.4	259.9
155°	262.5	263.2	263.6	264.2	264.4	264.8	264.1	264.0	263.4	262.8	262.2
157.5°	265.9	266.5	267.0	267.3	267.6	268.1	267.7	267.4	266.9	266.7	266.1
160°	269.6	270.1	270.5	270.8	271.3	271.4	271.1	271.1	270.8	270.4	269.9
162.5°	273.7	274.4	274.9	275.2	275.8	276.2	275.9	275.7	275.2	274.9	274.3
165°	277.8	278.3	278.8	279.2	279.4	279.8	279.6	279.5	279.2	279.1	278.7
167.5°	282.4	283.1	283.4	283.8	284.0	284.3	284.0	284.2	283.8	283.5	283.2
170°	286.3	286.7	287.2	287.5	287.8	288.0	288.0	287.9	287.6	287.4	287.1
172.5°	289.9	290.3	290.4	290.7	290.8	291.2	291.1	290.8	290.6	290.3	290.0
175°	291.3	291.5	291.8	291.8	291.8	291.9	291.7	291.5	291.2	291.0	290.8
177.5°	293.1	293.1	293.1	293.0	293.0	293.0	292.9	292.7	292.6	292.4	292.1
180°	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8



TEST NUMBER: P1444405
 CATALOG NUMBER: EHBR1-48-UNV-TA-L840-UPL12

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°	89.9	96.2	94.7	101.3	101.0	107.8	108.6	115.2	115.2	121.1	119.9
92.5°	34.1	32.2	30.4	28.3	27.2	26.0	25.6	24.0	23.4	22.1	21.1
95°	42.2	38.8	35.5	32.2	31.1	29.9	28.8	27.6	26.4	25.3	24.2
97.5°	47.6	43.7	39.8	35.8	34.8	33.9	32.8	31.8	30.9	29.9	28.9
100°	63.6	56.3	49.1	41.7	40.9	40.1	39.1	38.3	37.5	36.5	35.6
102.5°	126.5	111.1	95.6	80.0	77.1	74.2	71.2	68.1	65.1	62.2	59.2
105°	233.9	208.7	183.6	158.5	150.5	142.6	134.6	126.5	118.5	110.5	102.5
107.5°	352.5	327.0	301.6	276.1	261.5	246.7	232.0	217.0	202.4	187.5	172.7
110°	420.1	401.7	383.2	364.6	352.9	341.0	329.1	317.2	305.5	293.5	281.6



TEST NUMBER: P1444405
 CATALOG NUMBER: EHBR1-48-UNV-TA-L840-UPL12

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	433.6	420.5	407.3	393.9	388.8	383.4	378.3	372.8	367.6	362.0	356.7
115°	410.4	401.8	392.9	383.9	382.5	380.6	379.0	377.1	375.4	373.5	371.6
117.5°	372.2	367.5	362.7	358.0	358.5	359.0	359.8	360.1	360.5	360.7	361.1
120°	332.7	331.0	329.4	327.6	329.7	331.6	333.7	335.3	337.1	338.6	340.3
122.5°	301.7	301.3	301.1	300.5	303.1	305.5	307.7	310.1	312.1	313.9	315.9
125°	278.7	278.8	279.0	278.9	281.7	284.1	286.6	288.7	290.8	292.6	294.6
127.5°	265.0	265.6	266.3	266.6	268.9	270.5	272.5	274.0	275.9	277.1	278.5
130°	257.3	257.6	258.3	258.7	260.6	262.5	264.5	265.9	267.5	268.6	269.8
132.5°	254.4	254.7	255.3	255.6	257.4	258.9	260.4	261.4	262.7	263.4	264.2
135°	253.0	253.3	253.8	254.0	255.6	257.2	258.5	259.6	260.8	261.4	262.1
137.5°	252.7	252.9	253.4	253.6	255.1	256.4	257.7	258.7	259.7	260.5	261.1
140°	252.9	253.0	253.4	253.4	254.8	256.0	257.2	258.1	259.1	259.6	260.2
142.5°	253.3	253.0	253.3	253.0	254.1	255.0	255.9	256.7	257.4	257.9	258.2
145°	254.9	254.5	254.4	254.0	254.8	255.5	256.4	257.0	257.4	257.6	258.0
147.5°	256.9	256.3	255.8	255.4	256.3	256.7	257.2	257.5	258.1	258.2	258.4
150°	258.4	257.6	257.0	256.4	256.9	257.2	257.5	257.9	258.3	258.2	258.4
152.5°	259.2	258.5	257.8	257.0	257.4	257.5	257.7	257.6	257.8	257.8	257.8
155°	261.7	261.0	260.4	259.5	259.8	259.8	259.8	259.8	259.6	259.5	259.3
157.5°	265.6	264.8	264.5	263.7	263.7	263.6	263.4	262.9	262.8	262.5	262.0
160°	269.6	269.0	268.6	267.9	267.7	267.5	267.4	266.9	266.7	266.2	265.7
162.5°	273.8	273.2	272.5	271.9	271.7	271.6	271.3	270.8	270.6	270.1	269.6
165°	278.4	278.0	277.6	276.9	276.7	276.4	276.3	275.7	275.4	274.6	274.2
167.5°	282.8	282.4	282.0	281.3	281.2	281.1	280.9	280.5	280.2	279.7	279.5
170°	286.8	286.4	286.1	285.5	285.2	285.1	284.8	284.5	284.0	283.7	283.2
172.5°	289.6	289.3	288.8	288.2	288.2	288.0	287.7	287.6	287.1	286.8	286.7
175°	290.5	290.2	289.7	289.5	289.3	289.2	289.0	288.9	288.6	288.4	288.1
177.5°	291.9	291.8	291.3	291.2	291.1	291.1	290.9	290.8	290.8	290.6	290.5
180°	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8



TEST NUMBER: P1444405
 CATALOG NUMBER: EHBR1-48-UNV-TA-L840-UPL12

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°	125.4	123.4
92.5°	20.5	19.8
95°	23.1	22.0
97.5°	27.9	26.9
100°	34.8	34.0
102.5°	56.3	53.4
105°	94.5	86.6
107.5°	157.9	143.2
110°	269.7	257.8



TEST NUMBER: P1444405
CATALOG NUMBER: EHBR1-48-UNV-TA-L840-UPL12

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	351.2	345.8
115°	369.2	367.3
117.5°	361.2	361.2
120°	341.5	343.1
122.5°	317.3	319.0
125°	296.1	297.8
127.5°	279.4	280.3
130°	270.2	271.1
132.5°	264.6	264.9
135°	262.3	262.6
137.5°	261.1	261.3
140°	260.2	260.3
142.5°	258.3	258.3
145°	258.1	258.0
147.5°	257.9	258.0
150°	258.1	258.0
152.5°	257.3	257.2
155°	258.9	258.5
157.5°	261.3	261.0
160°	265.1	264.7
162.5°	269.0	268.6
165°	273.4	272.8
167.5°	278.7	278.5
170°	282.8	282.5
172.5°	286.2	285.8
175°	288.0	287.8
177.5°	290.5	290.2
180°	291.8	291.8



TEST NUMBER: P1444405
 CATALOG NUMBER: EHBR1-48-UNV-TA-L840-UPL12

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	18.07	19.20	18.49	19.58	19.98	16.45	17.58	16.87	17.96	18.36
	3H	19.62	20.63	20.06	21.03	21.47	18.88	19.89	19.32	20.28	20.73
	4H	20.42	21.35	20.88	21.77	22.23	20.00	20.93	20.46	21.35	21.81
	6H	21.19	22.05	21.66	22.48	22.96	21.04	21.90	21.51	22.34	22.81
	8H	21.50	22.32	21.99	22.77	23.25	21.48	22.30	21.97	22.75	23.23
	12H	21.75	22.53	22.24	22.97	23.48	21.84	22.61	22.33	23.06	23.57
4H	2H	18.45	19.39	18.91	19.81	20.27	17.16	18.10	17.63	18.52	18.98
	3H	20.33	21.10	20.80	21.57	22.05	19.79	20.56	20.26	21.03	21.51
	4H	21.33	22.03	21.82	22.51	23.03	21.05	21.74	21.54	22.22	22.74
	6H	22.29	22.89	22.81	23.39	23.94	22.23	22.83	22.75	23.34	23.88
	8H	22.67	23.23	23.20	23.74	24.29	22.73	23.29	23.25	23.80	24.34
	12H	22.99	23.48	23.53	24.02	24.57	23.14	23.64	23.69	24.18	24.73
8H	4H	21.71	22.27	22.23	22.77	23.32	21.46	22.02	21.99	22.53	23.08
	6H	22.87	23.32	23.42	23.88	24.43	22.81	23.27	23.37	23.82	24.38
	8H	23.37	23.78	23.95	24.35	24.92	23.41	23.82	23.99	24.39	24.96
	12H	23.80	24.16	24.37	24.71	25.36	23.94	24.30	24.51	24.85	25.50
12H	4H	21.76	22.25	22.30	22.79	23.34	21.52	22.01	22.06	22.55	23.10
	6H	22.98	23.38	23.55	23.95	24.52	22.93	23.33	23.50	23.90	24.47
	8H	23.57	23.92	24.14	24.47	25.12	23.60	23.96	24.17	24.51	25.15

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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		



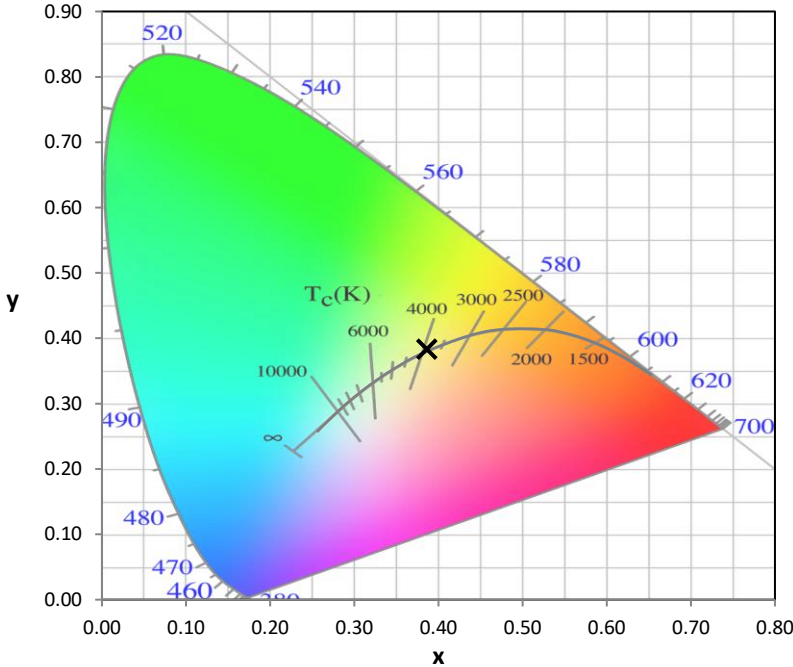
Test Conditions
 Stabilization Time: 42M
 Operation Time: 1H 42M
 Sphere Temperature (°C): 25.0

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 [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	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 [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)
360	0	NR	490	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 [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	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 ($R_{f,i}$)

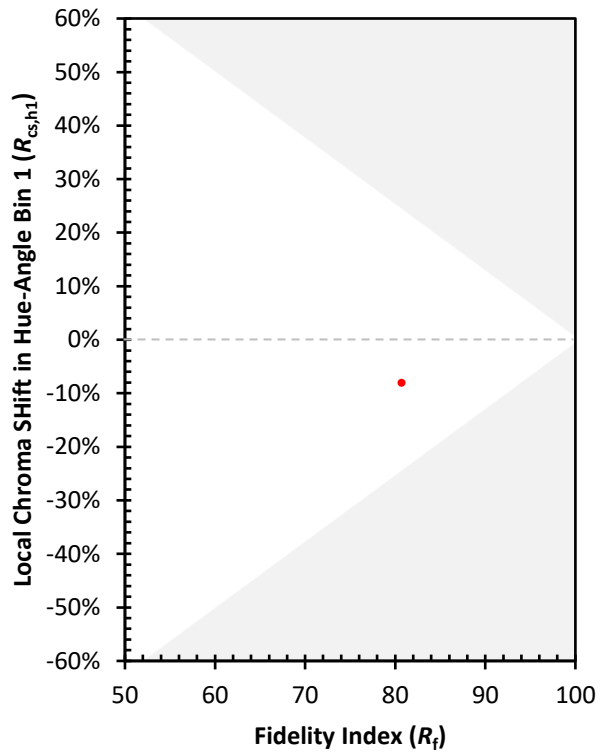
CES01 = 85	CES26 = 69	CES51 = 90	CES76 = 58
CES02 = 61	CES27 = 89	CES52 = 90	CES77 = 76
CES03 = 31	CES28 = 83	CES53 = 80	CES78 = 60
CES04 = 69	CES29 = 66	CES54 = 91	CES79 = 85
CES05 = 48	CES30 = 76	CES55 = 89	CES80 = 79
CES06 = 50	CES31 = 69	CES56 = 79	CES81 = 81
CES07 = 41	CES32 = 62	CES57 = 77	CES82 = 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)