

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: P1444401

Luminaire Tested: EHBR1-42-UNV-TA-L840-UPL24

Issue Date: 5/1/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1444401  
REPORT IS A COMBINATION OF REPORTS P1444332 AND P1431635  
Test Lab: INNOVATION CENTER  
Issue Date: 5/1/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: EHBR1-42-UNV-TA-L840-UPL24  
Description: Elevate Round Highbay at, 42000 lumens, 4000K 80CRI LEDs with TA lens  
Light Source: -  
Ballast/Driver: -

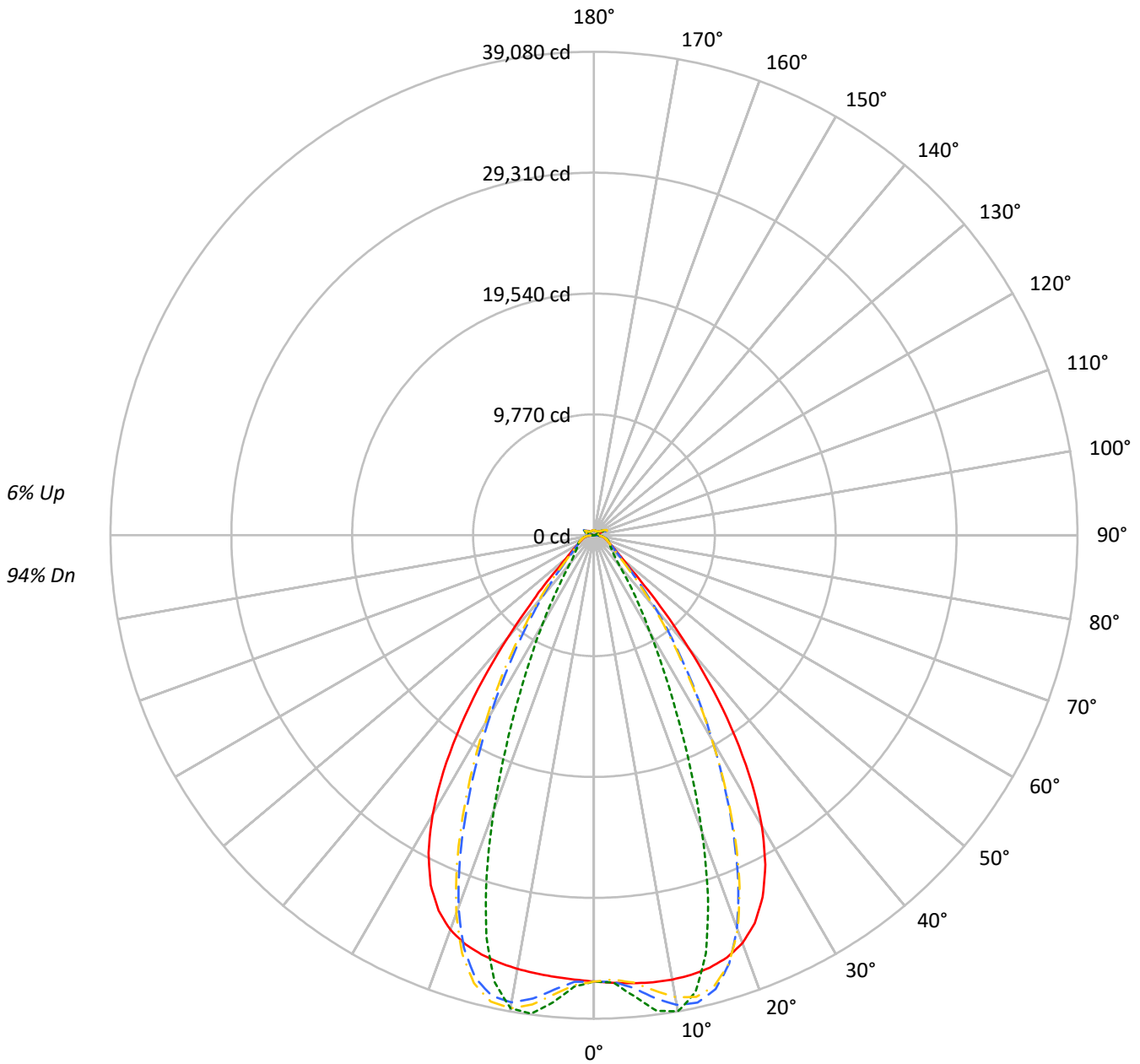
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 44219.4 lumens  
Efficiency: N/A  
Efficacy: 183.6 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): 240.9  
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: P1444401  
CATALOG NUMBER: EHBR1-42-UNV-TA-L840-UPL24

### Luminous Intensity Polar Plot



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



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	96	96	96	94
1	110	107	104	101	107	104	101	99	99	97	95	94	92	91	90	88	87	87	87	87	85
2	104	98	93	89	101	95	91	87	91	88	84	87	84	82	83	81	79	79	79	79	77
3	97	90	84	79	95	88	82	78	84	80	76	81	77	74	78	75	72	72	72	72	70
4	92	83	76	71	89	81	75	71	78	73	69	75	71	68	73	69	66	66	66	66	64
5	86	77	70	65	84	75	69	64	73	67	63	70	66	62	68	64	61	61	61	61	59
6	81	71	64	60	79	70	64	59	68	62	58	66	61	57	64	60	56	56	56	56	55
7	77	66	60	55	75	65	59	55	64	58	54	62	57	53	60	56	52	52	52	52	51
8	73	62	55	51	71	61	55	51	60	54	50	58	53	49	57	52	49	49	49	49	47
9	69	58	52	47	67	58	51	47	56	51	47	55	50	46	53	49	46	46	46	46	44
10	65	55	49	44	64	54	48	44	53	47	44	52	47	43	51	46	43	43	43	43	41

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

	0°	90°	180°	270°
0°	169406	169406	169406	169406
5°	170226	175189	167844	177484
10°	171647	183936	167531	182719
15°	172489	166736	167238	160023
20°	170705	124213	165118	114926
25°	161580	78557	156240	71277
30°	141152	47207	135685	43143
35°	108631	29623	102383	26241
40°	68719	18581	62873	17461
45°	35419	14476	34832	14238
50°	20766	12876	20130	12675
55°	15909	12182	15320	12073
60°	13461	12444	12888	12284
65°	12644	12996	12159	12553
70°	12353	13609	11737	13095
75°	13208	14431	12495	13794
80°	13667	15981	12392	14587
85°	12869	15418	10402	13201

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 25°  
 Vertical Angle: 45°  
 Luminance: 54204 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3555.2	8.0
10°-20°	10001.0	22.6
20°-30°	11390.4	25.8
30°-40°	8186.9	18.5
40°-50°	3775.8	8.5
50°-60°	1806.9	4.1
60°-70°	1318.4	3.0
70°-80°	1001.6	2.3
80°-90°	459.9	1.0
90°-100°	79.4	0.2
100°-110°	438.6	1.0
110°-120°	809.9	1.8
120°-130°	500.1	1.1
130°-140°	327.5	0.7
140°-150°	247.7	0.6
150°-160°	175.7	0.4
160°-170°	107.5	0.2
170°-180°	37.1	0.1
0°-30°	24946.5	56.4
0°-40°	33133.4	74.9
0°-60°	38716.0	87.6
0°-90°	41495.9	93.8
90°-120°	1327.9	3.0
90°-150°	2403.2	5.4
90°-180°	2724.0	6.2
0°-180°	44219.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	36074	36074	36074	36074	36074	
5°	36346	37406	35837	37896	36346	3473
15°	36187	34980	35086	33572	36187	10196
25°	32267	15688	31201	14234	32267	14628
35°	19938	5437	18791	4816	19938	12236
45°	5731	2342	5636	2304	5731	4874
55°	2150	1646	2070	1632	2150	1984
65°	1320	1356	1269	1310	1320	1318
75°	930	1017	880	972	930	967
85°	442	530	358	454	442	416
90°	118	150	33	40	118	74
95°	36	40	36	40	36	34
105°	160	204	108	205	160	211
115°	708	855	742	855	708	655
125°	540	559	610	560	540	491
135°	433	378	466	382	433	338
145°	393	376	417	381	393	248
155°	372	371	396	375	372	173
165°	376	374	389	376	376	107
175°	387	390	394	391	387	37
180°	392	392	392	392	392	



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**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8
2.5°	36211.6	36208.7	36208.1	36205.5	36204.8	36204.8	36203.6	36200.7	36198.9	36194.7	36190.0
5°	36345.9	36344.3	36345.3	36345.5	36343.0	36337.3	36328.5	36317.7	36304.1	36291.2	36279.7
7.5°	36449.8	36452.3	36455.6	36454.9	36447.0	36433.8	36415.7	36405.5	36411.6	36431.3	36476.2
10°	36468.8	36484.3	36490.3	36488.5	36472.6	36461.3	36465.8	36503.9	36580.0	36681.5	36820.2
12.5°	36394.8	36413.8	36413.2	36406.8	36391.6	36407.1	36462.5	36576.2	36739.4	36939.5	37174.3
15°	36187.3	36211.8	36204.8	36196.8	36186.6	36237.5	36348.0	36545.7	36797.5	37079.7	37368.7
17.5°	35784.2	35813.8	35799.4	35790.1	35781.6	35877.0	36067.0	36356.4	36673.6	36992.9	37266.7
20°	35084.9	35104.8	35070.5	35054.3	35068.0	35255.0	35534.8	35904.4	36238.7	36540.6	36727.8
22.5°	33943.9	33968.6	33904.0	33896.5	33976.2	34263.5	34617.6	35030.7	35344.9	35584.1	35656.2
25°	32267.3	32291.6	32214.9	32260.8	32396.4	32787.7	33209.3	33651.2	33919.3	34096.5	34047.6
27.5°	30004.4	30026.6	29953.9	30047.5	30261.8	30776.0	31272.2	31751.5	31990.4	32114.7	31957.4
30°	27150.5	27196.6	27110.6	27241.3	27568.4	28236.0	28804.5	29342.0	29580.2	29674.8	29429.8
32.5°	23760.8	23826.4	23731.7	23926.0	24382.5	25184.3	25830.3	26430.9	26694.3	26802.2	26525.6
35°	19937.7	20031.9	19923.1	20214.9	20777.8	21670.8	22386.1	23056.6	23368.5	23521.5	23242.7
37.5°	15887.3	15977.0	15918.2	16307.4	16925.6	17851.1	18581.2	19304.6	19656.9	19886.5	19666.7
40°	11910.7	11992.9	12037.4	12482.4	13063.8	13936.2	14637.5	15353.1	15747.4	16035.4	15899.9
42.5°	8406.7	8489.4	8640.8	9070.2	9555.0	10277.2	10877.8	11520.4	11897.0	12204.4	12152.1
45°	5730.6	5826.8	6016.4	6368.0	6718.6	7236.6	7677.8	8177.5	8485.1	8766.7	8770.0
47.5°	4015.7	4083.2	4252.6	4492.8	4721.4	5369.9	5396.5	5642.1	5849.0	6059.3	6086.7
50°	3094.9	3135.5	3225.4	3359.2	3488.7	3657.0	3811.2	3989.2	4116.4	4231.8	4259.4
52.5°	2543.8	2569.6	2615.3	2687.8	2762.9	2854.5	2937.0	3034.7	3104.0	3165.7	3178.7
55°	2149.9	2171.3	2239.4	2253.1	2339.1	2355.7	2392.3	2451.8	2492.0	2529.1	2538.3
57.5°	1852.7	1868.3	1882.7	1913.6	1940.0	1978.5	2009.5	2052.2	2077.6	2104.4	2106.6
60°	1618.2	1629.4	1639.7	1661.1	1679.2	1705.9	1727.3	1756.4	1774.5	1794.6	1796.8
62.5°	1443.8	1451.7	1458.6	1472.7	1485.7	1506.2	1523.2	1547.4	1564.4	1579.9	1583.3
65°	1319.7	1325.5	1330.0	1340.7	1352.0	1369.4	1384.8	1404.6	1417.0	1428.9	1431.5
67.5°	1209.8	1215.4	1220.0	1229.7	1237.4	1250.6	1260.8	1275.7	1285.1	1294.5	1294.8
70°	1083.9	1089.1	1092.5	1101.6	1107.9	1119.2	1127.5	1140.8	1150.5	1161.0	1163.7
72.5°	996.7	999.7	1004.5	1012.7	1021.4	1033.4	1044.5	1058.4	1070.0	1081.0	1085.7
75°	930.4	934.0	937.1	944.1	950.2	960.4	968.6	981.4	991.4	1003.2	1009.0
77.5°	834.6	838.8	841.5	848.6	853.8	863.5	869.7	881.1	889.3	900.0	905.3
80°	719.0	722.8	724.8	731.4	735.6	744.5	750.6	761.5	768.5	779.1	785.4
82.5°	590.8	594.5	595.6	601.9	604.2	611.6	615.9	627.2	635.7	649.6	659.3
85°	442.3	443.8	445.9	444.3	453.2	453.7	463.9	465.8	479.2	482.6	497.8
87.5°	270.4	274.4	276.5	282.6	285.3	291.5	293.3	299.9	303.5	311.0	314.4
90°	117.9	124.3	126.6	134.1	136.2	143.0	144.7	152.2	154.5	162.2	165.6
92.5°	32.0	34.0	35.7	38.1	40.1	42.9	45.2	47.5	49.5	52.3	56.3
95°	36.1	38.4	40.7	43.0	45.2	47.5	49.7	52.1	54.3	56.6	63.2
97.5°	45.1	47.1	49.0	51.1	53.0	55.0	56.9	58.9	60.8	62.8	70.6
100°	58.3	60.0	61.6	63.4	65.0	66.7	68.3	70.0	71.6	73.4	88.0
102.5°	95.2	101.2	107.1	113.0	119.0	124.6	130.8	136.5	142.4	148.3	179.3
105°	159.7	175.7	191.8	207.9	223.9	239.9	256.0	271.8	287.9	303.8	354.5
107.5°	270.9	300.5	330.2	359.9	389.7	419.2	449.0	478.5	508.1	537.5	588.9
110°	497.5	521.2	545.2	569.0	592.8	616.7	640.5	664.1	688.0	711.6	749.1



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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°	670.2	680.8	691.6	702.3	713.1	723.7	734.5	745.0	755.8	766.3	793.0
115°	708.3	712.0	715.8	719.3	723.0	726.6	730.3	733.8	737.5	740.9	759.0
117.5°	689.9	689.0	688.3	687.6	686.6	685.8	684.9	683.9	682.9	682.0	692.1
120°	646.2	642.6	639.3	635.7	632.2	628.4	625.0	621.2	617.6	613.8	618.1
122.5°	590.5	586.3	582.4	578.0	573.8	569.4	565.2	560.5	556.4	551.9	553.2
125°	539.5	535.3	531.3	526.9	522.5	517.9	513.5	508.9	504.5	499.9	500.5
127.5°	495.6	492.7	489.8	486.4	483.2	479.7	476.3	472.8	469.6	465.9	465.9
130°	468.4	465.8	462.9	459.9	457.0	453.6	450.5	447.2	444.1	440.6	440.7
132.5°	446.7	444.8	442.7	440.4	438.1	435.4	433.2	430.2	427.9	425.3	425.3
135°	433.2	431.1	429.4	427.2	425.1	422.6	420.1	417.6	415.2	412.5	412.8
137.5°	422.0	420.2	418.4	416.4	414.4	411.9	409.7	407.2	404.9	402.4	402.5
140°	411.9	410.3	408.5	406.6	404.8	402.7	400.4	398.2	395.9	393.5	394.0
142.5°	400.1	398.7	397.4	395.7	394.2	392.2	390.4	388.3	386.4	384.4	385.1
145°	392.9	391.7	390.6	389.2	387.8	385.8	384.4	382.4	380.9	379.1	379.9
147.5°	386.6	385.6	384.8	383.6	382.5	380.9	379.5	377.9	376.5	374.9	375.9
150°	381.2	380.4	379.5	378.5	377.2	375.9	374.4	373.0	371.7	370.2	371.1
152.5°	375.2	374.2	373.5	372.4	371.3	369.8	368.8	367.4	366.1	364.8	365.4
155°	372.5	371.5	370.5	369.6	368.5	367.3	366.0	364.8	363.6	362.2	362.8
157.5°	371.6	370.6	369.9	368.8	368.2	367.1	366.2	365.0	364.0	363.0	363.3
160°	372.4	371.6	370.7	369.8	368.9	367.8	367.0	365.9	365.2	364.1	364.3
162.5°	373.5	372.5	371.8	370.8	370.0	368.9	368.1	367.3	366.5	365.4	365.8
165°	375.8	375.2	374.5	373.9	373.2	372.6	371.9	371.1	370.4	369.6	369.8
167.5°	380.7	379.9	379.4	378.5	377.8	377.0	376.3	375.3	374.8	373.8	374.1
170°	383.3	382.7	382.3	381.9	381.3	380.8	380.4	379.9	379.3	378.8	379.0
172.5°	386.2	385.7	385.4	385.2	384.6	384.4	384.0	383.6	383.3	382.8	383.3
175°	387.3	386.9	386.7	386.4	386.1	385.9	385.7	385.5	385.5	385.1	385.2
177.5°	390.0	389.9	389.9	389.8	389.8	389.6	389.5	389.2	389.1	389.1	389.3
180°	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4



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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°	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8
2.5°	36186.6	36182.1	36176.2	36168.5	36162.0	36154.4	36136.3	36131.0	36136.9	36141.0	36149.2
5°	36272.5	36275.1	36276.0	36292.4	36306.6	36342.1	36619.6	36729.9	36815.2	36869.4	36951.6
7.5°	36531.8	36615.2	36697.6	36808.6	36904.4	37033.6	37519.3	37725.9	37872.8	37978.5	38108.4
10°	36971.1	37153.2	37323.9	37523.9	37695.8	37892.8	38344.8	38546.1	38673.3	38765.8	38852.2
12.5°	37413.6	37666.2	37894.4	38117.0	38303.1	38473.8	38632.8	38703.2	38709.2	38712.2	38666.3
15°	37644.1	37885.5	38086.6	38233.8	38343.2	38391.5	38117.9	37974.3	37792.9	37643.5	37397.6
17.5°	37498.7	37643.5	37730.3	37721.8	37676.6	37525.2	36750.1	36323.7	35900.4	35519.0	35018.9
20°	36851.9	36840.8	36765.3	36551.3	36293.4	35892.3	34563.4	33796.7	33055.3	32404.2	31614.4
22.5°	35648.9	35459.5	35195.6	34734.1	34221.4	33520.7	31616.2	30488.4	29456.4	28544.8	27523.5
25°	33905.6	33516.2	33029.4	32296.8	31500.0	30478.0	28130.7	26727.9	25488.9	24414.2	23235.8
27.5°	31674.6	31088.0	30374.6	29360.6	28281.2	26971.9	24369.6	22821.4	21491.2	20339.0	19084.9
30°	29033.5	28270.5	27349.2	26090.7	24788.6	23303.8	20664.3	19096.2	17749.9	16564.7	15309.6
32.5°	26048.5	25155.0	24075.5	22662.9	21254.9	19728.1	17179.1	15661.3	14375.1	13234.9	12098.8
35°	22756.5	21798.2	20656.1	19215.4	17815.7	16331.4	13992.5	12623.9	11488.2	10480.3	9563.0
37.5°	19225.1	18284.2	17198.7	15840.8	14542.9	13197.8	11179.7	10032.9	9079.8	8243.2	7535.0
40°	15553.5	14730.1	13790.9	12616.9	11509.3	10389.1	8732.5	7822.2	7070.0	6432.0	5901.2
42.5°	11926.8	11288.7	10568.5	9640.8	8793.1	7940.2	6665.2	5990.6	5433.6	4974.4	4599.0
45°	8653.3	8226.5	7743.4	7098.4	6512.0	5917.0	5009.5	4535.6	4172.7	3876.6	3626.1
47.5°	6049.1	5801.4	5786.4	5190.4	4760.3	4396.5	3811.9	3512.5	3290.2	3110.7	2952.2
50°	4248.1	4128.3	3979.5	3766.8	3567.2	3361.6	3005.4	2824.4	2694.2	2585.5	2485.3
52.5°	3175.7	3113.6	3034.3	2921.5	2813.3	2697.7	2472.3	2357.0	2316.1	2214.9	2135.4
55°	2536.5	2500.9	2455.8	2389.5	2323.7	2297.4	2104.2	2018.6	1964.5	1924.6	1881.9
57.5°	2107.0	2080.4	2053.6	2008.7	1970.7	1924.6	1822.0	1778.2	1745.9	1722.4	1692.8
60°	1797.2	1781.3	1766.4	1740.0	1719.4	1694.6	1629.4	1604.7	1587.9	1573.7	1554.9
62.5°	1586.2	1578.1	1570.4	1556.3	1545.9	1532.4	1487.9	1476.0	1467.6	1460.4	1448.9
65°	1434.0	1428.1	1423.8	1414.5	1409.3	1401.4	1363.2	1355.1	1349.9	1347.3	1340.7
67.5°	1295.7	1289.5	1286.7	1280.0	1277.8	1272.9	1241.6	1237.2	1235.4	1236.2	1233.9
70°	1166.2	1163.7	1165.0	1164.0	1166.9	1167.8	1148.8	1148.6	1150.7	1154.7	1155.1
72.5°	1088.7	1088.7	1090.1	1090.8	1093.7	1095.0	1079.1	1078.4	1079.3	1082.3	1082.4
75°	1014.9	1016.1	1020.1	1021.4	1024.7	1025.4	1004.6	1002.1	1002.3	1005.1	1004.2
77.5°	912.7	917.2	924.7	928.8	935.1	936.4	912.9	910.2	910.3	913.1	910.7
80°	796.8	805.3	817.4	825.9	835.8	839.7	815.7	809.9	804.6	803.8	798.9
82.5°	673.7	684.0	698.5	706.2	716.7	719.1	678.9	671.3	666.7	667.2	662.7
85°	514.3	522.1	535.3	539.6	546.2	545.6	499.7	480.0	485.1	477.1	483.4
87.5°	322.6	327.1	335.4	336.5	339.6	338.9	292.6	283.5	280.9	281.0	277.7
90°	174.0	178.0	186.2	187.3	192.9	193.2	156.7	153.5	149.2	150.2	144.8
92.5°	60.7	64.7	69.0	73.2	77.5	81.6	81.6	84.5	80.6	76.1	72.4
95°	69.8	76.5	83.1	89.9	96.6	103.2	109.9	116.5	110.3	103.9	97.7
97.5°	78.5	86.4	94.0	102.0	109.9	117.8	125.6	133.5	126.8	120.0	113.3
100°	102.6	117.3	132.0	146.6	161.1	175.9	190.5	205.2	192.3	179.3	166.4
102.5°	210.4	241.6	272.6	303.8	334.8	366.0	397.4	428.6	398.9	369.1	339.4
105°	404.8	455.4	505.8	556.1	606.4	657.0	707.8	758.3	710.8	663.5	616.0
107.5°	640.0	691.2	742.1	793.3	844.4	895.6	947.4	998.5	952.3	905.8	859.6
110°	786.4	823.5	860.9	898.1	935.3	972.6	1010.7	1048.0	1020.2	992.3	964.3



TEST NUMBER: P1444401  
 CATALOG NUMBER: EHBR1-42-UNV-TA-L840-UPL24

**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	819.5	846.1	872.7	899.2	925.7	952.2	980.0	1006.8	992.7	978.3	964.4
115°	776.6	794.7	812.3	830.2	848.1	865.6	884.9	903.2	898.3	893.7	888.9
117.5°	701.8	711.6	721.4	731.3	740.9	750.7	762.4	772.5	772.9	773.5	774.0
120°	621.9	626.0	629.8	634.0	637.6	641.6	647.7	652.1	655.6	658.9	662.3
122.5°	554.5	555.9	557.1	558.4	559.6	560.7	564.6	566.5	568.6	570.8	573.1
125°	500.8	501.3	501.7	502.2	502.3	502.7	506.2	507.0	506.9	506.5	506.4
127.5°	465.6	465.4	465.0	464.9	464.2	464.1	467.0	467.4	465.5	463.4	461.3
130°	440.6	440.6	440.4	440.5	440.4	440.5	443.8	444.7	441.4	438.0	434.8
132.5°	425.3	425.4	425.3	425.6	425.6	425.6	429.3	430.2	426.8	422.9	419.2
135°	412.8	413.2	413.3	413.5	413.6	414.1	418.1	419.3	415.9	412.2	408.7
137.5°	402.6	402.9	403.1	403.4	403.6	403.9	408.6	409.9	407.0	403.9	401.2
140°	394.3	394.6	395.0	395.6	395.9	396.6	401.7	403.2	401.1	398.6	396.1
142.5°	385.6	386.4	387.3	388.4	389.1	390.1	395.9	397.8	396.1	394.2	392.5
145°	380.6	381.8	382.7	383.9	384.9	386.2	392.7	395.1	394.0	392.6	391.4
147.5°	376.4	377.4	378.2	379.3	380.3	381.7	388.6	390.9	390.2	389.3	388.4
150°	371.8	372.8	373.7	374.8	376.2	377.5	385.2	388.1	387.4	386.6	385.8
152.5°	366.2	367.0	367.9	368.9	369.9	371.1	380.6	383.5	383.0	382.2	381.7
155°	363.4	364.0	364.6	365.4	366.1	367.2	377.3	380.3	379.9	379.5	379.0
157.5°	363.6	363.9	364.1	364.7	365.2	365.8	376.4	379.6	379.1	378.7	378.3
160°	364.5	364.8	364.9	365.2	365.5	365.8	376.9	379.8	379.5	379.0	378.6
162.5°	366.0	366.7	366.9	367.4	367.7	368.4	379.4	382.8	382.1	381.6	381.0
165°	370.0	370.0	370.1	370.4	370.6	370.9	381.3	384.0	383.7	383.2	382.8
167.5°	374.1	374.5	374.6	375.0	375.1	375.8	385.3	388.1	387.8	387.3	387.0
170°	379.1	379.4	379.5	379.8	380.2	380.6	388.7	390.9	390.7	390.0	389.6
172.5°	383.5	383.9	384.3	384.6	384.9	385.4	392.3	394.4	394.1	393.7	393.2
175°	385.6	385.7	386.1	386.5	386.9	387.2	392.6	394.1	393.9	393.7	393.4
177.5°	389.6	389.7	390.0	390.3	390.6	390.9	394.2	395.1	395.0	395.0	394.9
180°	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4



TEST NUMBER: P1444401  
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**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8
2.5°	36151.2	36163.9	36165.7	36180.5	36179.3	36197.0	36194.1	36208.7	36200.2	36212.1	36202.1
5°	37000.2	37077.2	37117.5	37192.6	37216.4	37283.7	37302.6	37364.0	37366.5	37415.2	37404.1
7.5°	38200.6	38314.2	38381.6	38474.5	38521.5	38598.9	38633.0	38690.2	38708.7	38754.2	38757.6
10°	38917.5	38972.6	39011.1	39037.0	39060.7	39071.8	39084.7	39081.3	39084.7	39079.7	39090.8
12.5°	38635.5	38555.1	38501.8	38401.0	38342.6	38231.3	38176.6	38069.5	38030.6	37938.6	37925.4
15°	37207.6	36927.1	36728.9	36440.7	36259.5	35976.0	35810.1	35554.3	35437.5	35234.2	35180.8
17.5°	34604.9	34084.2	33681.3	33164.4	32805.7	32322.7	32018.9	31619.0	31400.1	31077.6	30966.0
20°	30955.9	30185.5	29581.2	28861.2	28345.9	27704.0	27293.0	26774.6	26473.7	26077.7	25917.2
22.5°	26672.0	25712.9	24958.0	24107.5	23485.8	22770.4	22278.0	21717.2	21389.8	20959.6	20769.1
25°	22256.5	21198.9	20359.7	19463.5	18806.7	18089.6	17597.1	17046.0	16707.3	16298.9	16109.5
27.5°	18033.6	16962.9	16151.9	15318.7	14716.2	14069.1	13624.7	13143.6	12843.0	12494.3	12316.3
30°	14306.8	13362.5	12672.4	11981.0	11479.7	10954.2	10584.9	10186.3	9922.5	9623.9	9454.2
32.5°	11270.6	10541.6	10001.2	9452.5	9042.4	8603.1	8284.1	7932.4	7694.2	7427.7	7274.0
35°	8926.2	8359.8	7928.7	7477.1	7124.6	6750.6	6469.4	6165.8	5952.2	5722.6	5590.0
37.5°	7052.6	6602.2	6247.5	5872.4	5582.9	5273.0	5168.6	4820.2	4598.8	4415.6	4288.8
40°	5534.9	5176.8	4883.3	4596.4	4360.3	4125.3	3936.6	3750.6	3607.6	3476.6	3385.9
42.5°	4322.4	4062.8	3848.5	3638.4	3466.1	3294.9	3158.3	3030.0	2933.8	2848.1	2789.7
45°	3436.0	3257.6	3108.6	2960.6	2839.1	2724.8	2632.8	2551.1	2488.8	2437.3	2400.9
47.5°	2822.8	2700.6	2595.6	2495.7	2413.1	2338.3	2276.7	2256.6	2189.7	2144.7	2127.6
50°	2399.0	2325.2	2245.4	2171.7	2116.7	2061.8	2021.8	1982.7	1957.7	1937.0	1930.6
52.5°	2082.7	2026.3	1981.9	1935.3	1898.8	1859.8	1832.2	1806.2	1792.4	1781.6	1780.3
55°	1847.5	1808.0	1778.7	1747.4	1725.6	1702.7	1688.5	1674.6	1668.6	1663.1	1663.5
57.5°	1669.6	1643.3	1624.1	1603.8	1592.0	1581.1	1577.5	1573.9	1575.9	1576.7	1579.7
60°	1539.8	1522.8	1510.8	1499.1	1494.1	1490.7	1493.3	1496.4	1502.7	1507.7	1512.4
62.5°	1440.5	1430.8	1424.9	1418.7	1418.0	1418.4	1423.7	1428.9	1436.8	1442.7	1447.1
65°	1338.2	1332.7	1330.8	1326.7	1328.8	1330.0	1336.4	1340.5	1348.3	1353.0	1358.6
67.5°	1234.9	1233.6	1234.8	1234.8	1238.4	1241.5	1247.6	1252.2	1258.8	1263.2	1267.7
70°	1158.6	1159.1	1162.0	1162.5	1166.3	1168.5	1173.9	1176.8	1182.7	1186.4	1191.8
72.5°	1084.4	1083.2	1083.9	1082.2	1083.5	1083.0	1085.9	1087.3	1092.4	1095.2	1101.9
75°	1005.4	1002.0	1001.2	997.6	997.8	995.2	996.4	996.3	999.6	1000.9	1005.8
77.5°	909.9	904.3	901.6	895.6	895.5	893.2	895.6	897.1	903.0	905.8	911.2
80°	795.7	786.9	782.9	775.9	777.1	776.7	782.7	787.0	794.3	795.6	802.6
82.5°	661.4	652.4	648.2	641.3	642.9	643.0	648.4	649.4	655.6	658.3	666.3
85°	473.5	477.1	467.6	468.2	466.2	469.9	473.5	478.1	483.3	492.0	498.6
87.5°	278.9	277.7	281.0	281.4	286.3	288.8	296.5	301.0	309.7	316.4	328.7
90°	144.2	138.8	140.7	138.2	142.1	139.8	143.4	140.6	145.0	144.9	150.8
92.5°	67.6	63.7	59.0	55.1	50.6	46.9	44.4	42.8	40.5	39.0	36.5
95°	91.5	85.3	79.1	72.8	66.7	60.4	58.1	55.9	53.6	51.4	49.0
97.5°	106.7	99.9	93.2	86.4	79.7	73.1	71.5	70.0	68.5	67.0	65.5
100°	153.3	140.5	127.5	114.5	101.7	88.8	87.6	86.4	85.2	83.9	82.7
102.5°	309.9	280.2	250.6	221.0	191.4	161.7	156.6	151.5	146.3	141.2	136.0
105°	568.6	521.0	473.7	426.3	379.1	331.6	317.4	303.2	289.1	275.0	260.9
107.5°	813.3	766.9	720.7	674.5	628.3	582.2	559.7	537.4	515.0	492.7	470.4
110°	936.3	908.4	880.8	852.7	825.1	797.3	775.9	754.6	733.1	711.8	690.6



TEST NUMBER: P1444401  
 CATALOG NUMBER: EHBR1-42-UNV-TA-L840-UPL24

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	950.3	936.3	922.0	908.1	894.2	880.2	869.8	859.3	848.9	838.5	827.8
115°	884.3	879.5	875.0	870.5	866.0	861.4	860.5	859.8	858.8	858.1	857.2
117.5°	774.4	775.0	775.4	776.0	776.7	777.4	782.8	787.9	793.5	799.0	804.8
120°	665.6	669.2	672.5	676.0	679.5	683.1	690.2	697.4	704.7	712.2	719.7
122.5°	575.1	577.5	579.5	581.9	584.1	586.5	593.5	600.7	607.7	615.0	622.6
125°	505.8	505.5	505.2	504.8	504.4	504.4	510.0	515.7	521.6	527.6	533.6
127.5°	459.2	457.0	454.9	452.8	450.6	448.8	451.8	455.1	458.3	461.6	465.1
130°	431.3	428.0	424.4	421.3	417.6	414.5	415.4	416.4	417.4	418.5	419.8
132.5°	415.3	411.6	407.6	403.8	399.8	396.1	395.5	395.0	394.4	394.2	394.0
135°	404.9	401.4	397.4	393.8	390.0	386.4	385.1	383.7	382.6	381.4	380.4
137.5°	398.2	395.1	392.1	389.2	385.9	383.0	381.2	379.7	378.0	376.9	375.3
140°	393.5	391.3	388.6	386.1	383.5	381.3	379.7	378.5	377.0	375.9	374.5
142.5°	390.4	388.6	386.5	384.7	382.7	380.9	379.4	378.2	376.8	375.7	374.4
145°	390.0	388.8	387.4	385.9	384.5	383.3	381.9	381.0	379.9	379.0	378.1
147.5°	387.5	386.4	385.6	384.6	383.5	382.5	381.6	381.1	380.0	379.5	378.7
150°	384.8	384.1	383.1	382.4	381.3	380.6	379.9	379.4	378.7	378.5	377.8
152.5°	380.7	380.0	379.2	378.5	377.5	376.8	376.2	375.9	375.2	374.9	374.2
155°	378.4	377.8	377.2	376.6	375.8	375.3	374.7	374.0	373.5	373.0	372.3
157.5°	377.8	377.2	376.6	376.2	375.3	374.8	374.2	373.7	373.0	372.6	372.0
160°	378.1	377.7	377.0	376.5	376.0	375.3	374.5	374.0	373.1	372.6	371.7
162.5°	380.3	379.6	379.1	378.4	377.6	377.0	376.4	375.8	375.2	374.7	374.0
165°	382.3	381.7	381.2	380.7	380.3	379.8	379.0	378.4	377.6	377.0	376.3
167.5°	386.4	386.0	385.5	385.1	384.4	383.9	383.3	382.7	381.9	381.3	380.4
170°	389.1	388.5	388.0	387.4	386.7	386.1	385.5	384.9	384.1	383.8	382.9
172.5°	392.7	392.5	391.9	391.5	390.8	390.4	390.0	389.5	388.9	388.4	387.9
175°	393.3	393.1	393.0	392.6	392.5	392.2	391.9	391.8	391.5	391.4	391.0
177.5°	394.9	394.7	394.7	394.5	394.3	394.3	394.1	393.9	393.7	393.3	393.2
180°	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4



TEST NUMBER: P1444401  
 CATALOG NUMBER: EHBR1-42-UNV-TA-L840-UPL24

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8
2.5°	36212.5	36203.3	36207.7	36190.7	36194.7	36174.3	36172.3	36149.2	36147.0	36125.2	36117.1
5°	37438.6	37418.5	37441.2	37405.7	37412.7	37366.5	37362.7	37303.0	37282.4	37207.9	37175.6
7.5°	38786.1	38778.5	38792.4	38762.8	38761.7	38720.6	38703.6	38650.1	38617.0	38538.7	38488.6
10°	39081.3	39088.3	39076.9	39079.7	39063.6	39059.2	39042.8	39032.4	39005.5	38985.1	38955.3
12.5°	37855.5	37862.8	37816.0	37845.7	37822.3	37877.0	37872.6	37937.0	37946.9	38028.5	38059.4
15°	35022.4	35013.5	34923.8	34980.4	34950.0	35070.1	35097.0	35258.5	35344.9	35552.2	35679.6
17.5°	30742.5	30719.4	30593.1	30661.9	30626.9	30804.0	30863.3	31121.6	31282.7	31616.8	31854.9
20°	25640.8	25596.5	25448.7	25529.3	25493.2	25694.3	25779.0	26091.2	26299.0	26741.5	27056.3
22.5°	20475.7	20405.8	20261.0	20336.3	20302.2	20510.4	20620.7	20934.0	21171.9	21626.3	21993.8
25°	15837.5	15775.2	15635.2	15687.8	15675.1	15851.4	15949.5	16245.8	16479.6	16912.4	17263.2
27.5°	12079.6	12014.8	11888.3	11925.6	11912.8	12062.9	12155.4	12402.9	12604.1	12968.4	13276.4
30°	9245.2	9167.0	9059.7	9080.3	9071.5	9193.2	9279.6	9487.9	9660.5	9968.3	10233.7
32.5°	7086.4	7007.8	6909.3	6918.9	6905.9	7001.4	7072.5	7253.8	7404.0	7665.9	7896.8
35°	5422.1	5513.9	5303.5	5436.8	5298.1	5501.8	5428.5	5541.7	5671.0	5891.7	6084.3
37.5°	4168.3	4104.2	4050.1	4044.4	4044.1	4091.3	4147.0	4256.2	4370.1	4534.3	4704.2
40°	3303.2	3258.3	3223.3	3220.6	3223.3	3256.7	3297.9	3373.4	3456.7	3574.8	3699.6
42.5°	2739.6	2709.9	2688.7	2687.3	2693.9	2717.7	2746.3	2791.1	2845.4	2921.9	3007.4
45°	2371.1	2354.6	2342.8	2342.2	2345.2	2357.7	2374.2	2402.0	2436.4	2484.2	2538.3
47.5°	2112.6	2108.6	2101.2	2101.5	2098.2	2103.3	2105.2	2120.8	2139.1	2175.1	2245.8
50°	1924.4	1924.4	1919.3	1919.0	1914.2	1914.0	1909.9	1916.1	1924.7	1947.0	1969.6
52.5°	1775.5	1775.0	1769.6	1768.5	1763.4	1763.1	1759.7	1762.1	1763.3	1774.5	1788.0
55°	1659.3	1655.8	1648.6	1646.3	1644.3	1647.2	1645.9	1646.1	1644.6	1649.2	1653.2
57.5°	1575.9	1571.3	1564.5	1562.4	1561.9	1565.5	1565.6	1564.4	1558.1	1553.8	1547.8
60°	1509.8	1505.2	1497.9	1496.0	1497.1	1501.9	1501.7	1497.7	1488.3	1480.1	1470.6
62.5°	1445.0	1443.1	1439.3	1438.8	1437.8	1438.6	1435.3	1431.1	1421.8	1413.1	1402.8
65°	1357.9	1358.8	1356.1	1356.5	1353.1	1352.6	1347.5	1343.4	1334.0	1326.1	1315.5
67.5°	1267.5	1268.2	1266.0	1266.0	1264.2	1264.5	1261.4	1257.5	1249.6	1243.2	1235.0
70°	1193.0	1195.0	1193.6	1194.1	1191.8	1191.1	1186.3	1182.5	1174.4	1169.0	1161.7
72.5°	1103.9	1107.9	1107.8	1108.7	1105.6	1103.9	1098.2	1093.5	1086.1	1081.8	1076.0
75°	1007.7	1012.8	1014.3	1016.6	1012.0	1009.6	1003.3	999.6	993.6	991.0	987.2
77.5°	913.6	919.4	924.8	930.0	922.6	916.1	908.2	902.1	893.6	890.2	884.3
80°	808.2	818.3	830.5	840.7	827.4	814.1	801.0	791.5	780.1	775.4	767.9
82.5°	670.5	680.9	687.8	694.4	685.2	675.4	662.8	654.4	642.1	637.6	628.9
85°	509.3	522.4	526.5	529.9	524.1	518.8	507.1	491.2	483.4	471.3	464.9
87.5°	335.0	342.8	344.3	345.5	341.8	339.3	331.7	324.2	311.0	301.4	289.6
90°	149.3	153.3	149.1	149.8	146.3	148.0	141.5	140.2	130.4	127.5	119.0
92.5°	34.8	32.5	30.6	28.6	31.2	32.6	35.1	36.5	38.8	40.5	42.8
95°	46.8	44.5	42.3	40.0	41.8	43.6	45.4	47.2	49.0	50.9	52.7
97.5°	64.0	62.5	60.9	59.4	60.5	61.5	62.7	63.7	64.8	65.8	67.1
100°	81.5	80.3	79.1	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
102.5°	130.9	125.7	120.6	115.4	119.0	122.4	125.9	129.4	132.9	136.3	139.9
105°	246.8	232.7	218.7	204.5	218.1	231.8	245.5	259.1	272.7	286.6	300.3
107.5°	447.9	425.7	403.4	381.1	406.1	430.9	455.9	480.7	505.5	530.3	555.5
110°	669.4	648.2	626.9	605.7	632.0	658.5	684.8	711.1	737.7	764.0	790.7



TEST NUMBER: P1444401  
 CATALOG NUMBER: EHBR1-42-UNV-TA-L840-UPL24

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	817.5	807.2	796.9	786.6	803.6	820.5	837.6	854.8	871.8	888.8	905.9
115°	856.5	855.9	855.3	854.7	862.8	870.8	878.8	886.9	895.2	903.2	911.4
117.5°	810.3	815.9	821.6	827.4	830.0	832.5	835.4	837.9	840.7	843.3	846.2
120°	727.2	734.6	742.2	750.0	748.9	747.9	747.0	746.0	745.2	744.3	743.7
122.5°	629.9	637.4	645.1	652.7	650.5	648.2	646.1	643.9	642.1	640.0	638.2
125°	539.8	546.0	552.3	558.8	556.5	554.2	552.0	550.2	548.2	546.2	544.6
127.5°	468.9	472.8	476.4	480.4	479.3	478.3	477.6	476.8	475.9	475.5	475.0
130°	421.2	422.8	424.6	426.2	426.5	426.8	427.5	428.1	428.9	429.6	430.7
132.5°	394.2	394.2	394.5	394.7	395.9	397.1	398.8	400.3	402.1	403.7	406.0
135°	379.7	379.0	378.5	378.1	379.9	381.6	383.6	385.7	388.2	390.7	393.3
137.5°	374.3	373.2	372.4	371.5	373.3	375.1	377.3	379.3	381.7	384.1	387.0
140°	373.6	372.6	372.1	371.2	373.0	374.7	376.9	378.9	381.3	383.7	386.3
142.5°	373.6	372.5	371.9	371.3	372.7	374.4	376.5	378.3	380.4	382.5	384.9
145°	377.4	376.5	376.2	375.5	376.6	377.8	379.2	380.6	382.2	383.7	385.7
147.5°	378.2	377.6	377.4	377.0	377.9	378.6	379.7	380.6	382.0	383.1	384.6
150°	377.7	377.2	377.0	376.8	377.3	377.8	378.5	379.0	379.8	380.6	381.7
152.5°	374.1	373.6	373.6	373.3	373.7	374.1	374.7	375.2	376.0	376.6	377.6
155°	372.0	371.6	371.2	370.8	370.9	370.9	371.2	371.2	371.7	371.8	372.3
157.5°	371.7	371.2	370.9	370.4	370.3	370.0	370.1	369.9	370.1	369.8	370.0
160°	371.4	370.5	370.0	369.4	369.5	369.2	369.4	369.2	369.3	369.4	369.5
162.5°	373.6	373.1	372.7	372.2	371.9	371.4	371.1	370.6	370.3	370.0	369.9
165°	375.4	374.8	374.2	373.5	373.3	373.1	372.8	372.6	372.4	372.2	372.2
167.5°	380.1	379.2	378.7	378.0	377.6	376.9	376.7	376.1	375.7	375.1	375.0
170°	382.5	381.8	381.4	380.8	380.6	380.2	380.1	379.7	379.5	379.4	379.4
172.5°	387.5	386.9	386.5	386.0	385.8	385.5	385.4	385.2	385.0	385.0	384.8
175°	390.9	390.6	390.5	390.2	390.0	389.8	389.6	389.4	389.3	388.9	388.8
177.5°	392.8	392.5	392.3	392.2	392.1	392.1	392.1	392.1	392.1	392.0	391.8
180°	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4



TEST NUMBER: P1444401  
 CATALOG NUMBER: EHBR1-42-UNV-TA-L840-UPL24

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8
2.5°	36093.6	36084.2	36059.1	36046.8	36023.7	36012.1	35994.1	35982.5	35967.8	35957.0	35951.4
5°	37093.7	37047.6	36955.0	36898.1	36798.2	36732.4	36633.3	36560.5	36458.1	36382.5	36285.8
7.5°	38394.8	38323.9	38205.5	38115.6	37975.9	37869.1	37712.3	37586.9	37413.6	37269.7	37092.8
10°	38924.5	38883.1	38830.0	38772.2	38694.7	38618.9	38511.7	38402.6	38257.2	38112.6	37923.5
12.5°	38141.6	38180.5	38257.2	38293.1	38351.7	38371.7	38398.5	38386.0	38362.2	38303.1	38217.4
15°	35924.2	36086.7	36343.4	36521.0	36769.8	36944.4	37175.6	37324.4	37495.9	37598.3	37695.5
17.5°	32276.8	32591.0	33043.9	33405.4	33890.5	34284.9	34768.2	35147.9	35586.3	35922.6	36280.7
20°	27605.0	28045.1	28670.3	29201.4	29904.3	30500.5	31264.1	31903.9	32650.1	33272.2	33943.6
22.5°	22577.0	23094.5	23811.0	24451.5	25291.0	26040.7	26997.5	27843.5	28852.3	29756.0	30755.8
25°	17833.5	18340.8	19070.6	19733.8	20640.0	21466.0	22511.3	23481.6	24652.4	25744.1	26997.5
27.5°	13765.8	14216.3	14857.9	15454.9	16284.9	17095.7	18156.6	19191.3	20440.5	21613.8	22964.5
30°	10631.0	10996.6	11510.6	11990.9	12657.2	13320.3	14265.2	15222.2	16465.3	17681.1	19065.9
32.5°	8238.7	8550.4	8979.5	9369.4	9882.8	10382.8	11078.6	11843.3	12933.8	14098.4	15437.3
35°	6377.7	6644.3	7009.5	7345.4	7767.6	8164.5	8683.8	9229.6	10061.7	11041.4	12239.7
37.5°	5084.7	5193.3	5454.0	5729.2	6079.8	6406.0	6812.3	7215.9	7811.2	8584.1	9563.0
40°	3866.8	4039.4	4251.6	4468.3	4733.8	4995.5	5441.0	5655.6	6047.6	6602.5	7362.3
42.5°	3120.0	3241.4	3390.7	3541.4	3726.4	3908.7	4134.1	4363.6	4656.6	5032.5	5572.9
45°	2610.9	2690.1	2786.4	2886.7	3008.2	3132.5	3283.5	3441.1	3639.7	3870.7	4199.0
47.5°	2270.8	2314.5	2377.3	2445.9	2529.3	2615.3	2713.4	2813.8	2937.2	3074.3	3261.2
50°	2005.3	2041.8	2090.5	2136.5	2193.9	2282.2	2321.1	2376.5	2450.8	2531.4	2635.9
52.5°	1813.2	1837.5	1868.1	1894.4	1930.8	1963.8	2007.1	2045.3	2096.7	2145.1	2212.6
55°	1663.5	1672.4	1689.8	1706.7	1731.8	1754.4	1784.1	1809.1	1841.9	1870.9	1913.5
57.5°	1548.0	1548.8	1556.9	1565.7	1581.9	1596.0	1616.5	1633.0	1655.7	1674.1	1699.7
60°	1465.0	1460.6	1462.2	1465.3	1474.4	1483.6	1496.6	1507.3	1521.7	1532.2	1546.4
62.5°	1395.9	1389.0	1387.4	1386.6	1391.1	1394.4	1401.5	1406.7	1414.9	1419.5	1427.0
65°	1308.6	1300.4	1297.3	1293.4	1294.8	1293.7	1296.5	1296.6	1300.7	1301.6	1306.0
67.5°	1229.5	1222.6	1218.5	1213.4	1211.1	1207.5	1206.0	1202.4	1201.9	1199.0	1198.3
70°	1157.2	1150.6	1147.1	1142.4	1140.0	1135.2	1132.3	1126.3	1122.9	1117.4	1114.3
72.5°	1073.7	1069.9	1068.8	1065.7	1064.9	1062.2	1061.0	1056.8	1054.4	1049.8	1047.0
75°	986.4	983.3	983.1	979.8	979.5	976.4	975.6	971.2	968.8	964.2	962.2
77.5°	882.4	877.8	876.5	872.8	873.7	872.1	873.4	870.1	868.6	863.9	862.5
80°	765.2	759.4	757.0	752.0	753.3	751.1	753.3	753.1	754.8	751.1	750.4
82.5°	626.5	620.0	618.8	615.4	617.7	617.9	622.9	620.2	621.2	617.8	619.2
85°	455.9	451.1	444.4	443.5	439.2	443.6	437.8	441.7	435.5	439.8	434.0
87.5°	282.6	272.7	267.5	260.4	257.8	250.9	248.1	243.2	244.7	242.4	243.7
90°	118.0	110.5	110.2	104.8	105.8	101.4	103.8	101.1	104.1	101.3	104.6
92.5°	44.4	46.3	49.8	53.9	57.2	60.8	64.5	68.5	71.8	75.8	79.1
95°	54.5	56.3	61.1	66.0	70.8	75.7	80.8	85.7	90.5	95.4	100.2
97.5°	68.1	69.2	74.1	78.9	83.7	88.6	93.4	98.5	103.3	108.2	113.0
100°	77.9	78.0	91.8	105.5	119.4	133.4	147.1	160.9	175.0	188.7	202.5
102.5°	143.4	146.9	181.7	216.7	251.5	286.4	321.5	356.4	391.2	426.3	461.3
105°	313.9	327.7	380.9	434.2	487.3	540.6	594.1	647.5	700.9	754.1	807.4
107.5°	580.3	605.3	653.4	701.6	749.6	797.9	846.3	894.5	942.6	990.9	1039.4
110°	817.1	843.5	875.7	908.2	940.6	972.8	1005.3	1037.6	1070.0	1102.5	1135.1



TEST NUMBER: P1444401  
 CATALOG NUMBER: EHBR1-42-UNV-TA-L840-UPL24

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	922.9	940.2	959.0	978.0	996.9	1016.0	1034.9	1054.0	1073.1	1092.2	1111.3
115°	919.7	928.1	935.3	942.9	950.4	957.9	965.5	973.3	981.1	988.7	996.5
117.5°	848.9	852.1	853.2	854.7	856.0	857.8	859.2	860.9	862.6	864.3	865.7
120°	743.0	742.3	741.3	740.5	739.5	738.8	738.1	737.4	736.8	736.3	735.6
122.5°	636.3	634.8	633.8	633.0	632.3	631.7	631.1	630.7	630.2	629.7	629.2
125°	542.8	541.3	542.7	544.3	545.9	547.5	549.1	551.0	552.6	554.4	556.3
127.5°	474.6	474.4	477.7	481.0	484.3	487.8	491.3	494.9	498.2	502.0	505.3
130°	431.9	433.1	437.0	441.4	445.5	449.8	454.3	458.7	462.8	467.2	471.4
132.5°	407.8	410.3	414.2	418.3	422.5	426.6	430.8	435.1	439.3	443.6	447.6
135°	396.0	399.0	402.7	406.5	410.4	414.3	418.1	422.2	425.8	429.8	433.6
137.5°	389.6	392.4	395.6	398.8	401.9	405.2	408.4	411.7	414.8	418.0	421.2
140°	389.0	391.9	393.7	395.9	397.9	400.1	401.9	404.1	406.0	408.2	410.1
142.5°	387.4	390.1	391.2	392.7	394.1	395.8	397.3	398.8	400.1	401.4	402.7
145°	387.5	389.6	390.0	390.6	391.1	391.7	392.1	392.7	393.0	393.5	393.8
147.5°	386.0	387.7	387.6	387.9	388.1	388.2	388.4	388.7	388.6	388.8	388.9
150°	382.5	383.7	383.3	383.4	383.1	383.0	382.7	382.6	382.3	382.2	381.9
152.5°	378.4	379.2	378.6	378.6	378.1	377.8	377.3	377.1	376.6	376.3	376.1
155°	372.4	372.9	372.6	372.4	372.1	371.9	371.6	371.7	371.6	371.4	371.4
157.5°	370.0	370.1	369.9	369.8	369.4	369.5	369.3	369.3	369.2	369.5	369.6
160°	369.4	369.6	369.4	369.2	369.1	368.9	368.8	368.8	368.9	369.2	369.4
162.5°	369.5	369.4	369.1	368.9	368.8	368.8	368.8	369.0	369.0	369.2	369.5
165°	372.3	372.4	371.8	371.8	371.5	371.3	371.1	371.1	371.2	371.3	371.4
167.5°	374.7	374.6	374.6	374.7	374.7	374.9	375.0	375.5	375.8	376.3	376.4
170°	379.3	379.4	379.2	379.1	379.0	378.9	379.0	378.9	379.1	379.1	379.2
172.5°	384.8	384.8	384.5	384.2	383.9	383.8	383.5	383.4	383.1	383.0	382.7
175°	388.5	388.4	388.2	388.1	387.9	387.7	387.5	387.1	386.9	386.7	386.5
177.5°	391.7	391.4	391.3	391.3	391.2	391.0	391.0	390.9	390.9	390.9	390.6
180°	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4



TEST NUMBER: P1444401  
 CATALOG NUMBER: EHBR1-42-UNV-TA-L840-UPL24

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8
2.5°	35944.2	35943.8	35940.3	35941.9	35942.6	35945.1	35948.1	35951.4	35952.1	35954.6	35955.1
5°	36213.2	36124.2	36058.5	35986.2	35931.7	35882.8	35850.2	35824.2	35814.3	35816.8	35822.8
7.5°	36942.6	36759.1	36607.5	36435.4	36291.8	36139.8	36013.7	35893.9	35806.6	35741.5	35705.2
10°	37743.1	37519.5	37305.6	37056.3	36820.0	36567.7	36339.2	36109.2	35917.3	35750.7	35628.4
12.5°	38098.2	37940.2	37755.4	37520.2	37267.2	36976.1	36682.2	36367.1	36074.0	35801.9	35582.5
15°	37722.2	37722.5	37655.1	37542.2	37366.5	37133.9	36853.8	36525.3	36179.6	35826.8	35504.5
17.5°	36528.3	36753.5	36878.8	36958.2	36933.7	36848.1	36669.9	36417.5	36095.3	35719.4	35326.1
20°	34478.1	35009.4	35388.2	35728.8	35919.7	36046.6	36033.9	35931.2	35701.6	35382.1	34972.4
22.5°	31606.1	32497.9	33201.4	33857.6	34317.8	34692.1	34870.1	34945.6	34841.6	34619.0	34234.4
25°	28117.8	29330.2	30364.8	31369.0	32122.3	32769.6	33158.7	33432.7	33454.5	33338.3	32995.0
27.5°	24241.6	25672.8	26982.3	28316.8	29376.1	30306.7	30917.3	31364.3	31506.2	31487.5	31175.9
30°	20370.4	21872.8	23316.3	24872.5	26183.2	27372.2	28178.7	28783.1	29016.0	29060.7	28760.9
32.5°	16714.4	18196.0	19635.4	21262.4	22704.8	24067.4	25020.4	25738.3	26009.1	26073.0	25744.1
35°	13396.4	14763.3	16131.2	17707.9	19142.1	20553.1	21557.3	22308.9	22561.8	22604.5	22223.8
37.5°	10519.0	11683.6	12875.6	14290.4	15607.4	16932.5	17886.5	18593.0	18777.3	18765.9	18335.1
40°	8096.3	9001.7	9959.5	11124.2	12219.2	13339.4	14145.1	14729.0	14825.8	14754.1	14301.6
42.5°	6088.0	6741.9	7436.3	8305.7	9118.1	9956.5	10542.6	10976.2	10990.0	10876.6	10470.5
45°	4535.6	5173.5	5464.7	5990.4	6513.7	7071.2	7429.1	7696.9	7655.4	7555.7	7247.0
47.5°	3457.5	3702.7	3962.8	4288.8	4593.6	5226.2	5179.3	5609.3	5299.6	5510.9	5045.9
50°	2745.7	2882.7	3022.8	3195.8	3355.0	3520.4	3623.7	3700.9	3690.9	3657.7	3568.6
52.5°	2335.9	2378.3	2447.2	2545.7	2634.6	2724.0	2782.8	2830.6	2831.7	2818.2	2773.2
55°	1952.3	2006.1	2055.6	2120.0	2229.5	2246.3	2330.7	2313.5	2320.3	2296.9	2320.8
57.5°	1721.4	1752.6	1780.5	1818.7	1850.4	1887.3	1909.1	1930.1	1928.1	1923.6	1900.6
60°	1557.7	1574.9	1590.4	1612.8	1630.1	1651.0	1661.0	1671.7	1668.2	1660.5	1640.0
62.5°	1431.5	1442.3	1451.1	1465.6	1476.1	1489.1	1494.3	1498.9	1494.3	1487.0	1468.9
65°	1307.0	1313.9	1319.6	1330.4	1337.8	1348.9	1353.4	1357.6	1353.5	1347.7	1334.0
67.5°	1194.7	1195.4	1194.9	1199.2	1201.5	1208.2	1210.2	1213.2	1208.5	1203.5	1191.8
70°	1109.5	1107.8	1105.7	1107.4	1107.8	1111.0	1111.5	1111.0	1105.3	1096.7	1084.0
72.5°	1042.9	1042.0	1040.4	1041.9	1041.9	1044.8	1043.9	1042.4	1035.3	1027.1	1014.4
75°	957.3	956.7	953.5	953.6	951.0	951.9	948.5	946.4	938.6	931.6	920.3
77.5°	857.2	855.6	851.0	849.2	844.1	842.0	835.5	832.2	824.3	818.6	809.0
80°	745.4	743.7	737.7	734.4	726.4	721.2	711.6	706.2	696.9	691.5	682.1
82.5°	616.2	616.9	610.8	606.7	595.2	586.3	573.5	566.6	556.5	551.1	541.4
85°	438.2	432.0	435.3	435.1	427.8	420.2	409.8	402.4	393.8	388.8	382.0
87.5°	240.3	241.9	240.1	238.6	233.6	229.6	221.6	217.2	211.0	207.9	202.8
90°	96.8	94.9	87.4	85.8	78.3	74.5	66.0	63.2	55.3	53.8	48.6
92.5°	75.0	70.9	67.1	62.8	58.9	54.9	50.8	46.7	42.6	40.9	39.9
95°	94.2	88.5	82.5	76.6	70.7	64.8	58.9	53.1	47.1	45.9	44.7
97.5°	106.2	99.3	92.3	85.5	78.5	71.5	64.7	57.7	50.8	49.9	49.2
100°	186.7	170.7	154.6	138.5	122.6	106.6	90.6	74.6	58.6	57.7	56.8
102.5°	422.4	383.5	344.7	305.9	267.3	228.3	189.6	150.6	111.8	106.1	100.6
105°	748.7	689.9	631.2	572.4	513.7	454.9	396.1	337.2	278.4	259.5	240.6
107.5°	984.2	928.9	873.8	818.6	763.3	708.2	652.8	597.6	542.2	509.0	475.8
110°	1091.3	1047.5	1004.0	960.1	916.4	872.6	828.8	784.9	741.1	712.5	684.0



TEST NUMBER: P1444401  
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**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	1079.4	1047.3	1015.7	983.5	951.6	919.4	887.5	855.3	823.1	806.0	788.7
115°	977.5	958.3	939.3	920.1	900.9	881.9	862.6	843.2	823.9	815.0	806.0
117.5°	856.3	846.8	837.3	827.7	817.9	808.1	798.5	788.7	779.0	776.0	773.0
120°	733.1	730.5	727.7	725.1	722.3	719.7	716.9	714.1	711.0	711.7	712.5
122.5°	630.8	632.3	634.1	635.4	637.0	638.3	640.0	641.1	642.5	645.4	648.1
125°	559.7	562.8	566.3	569.4	572.6	575.8	579.2	582.1	585.4	588.0	591.2
127.5°	509.3	512.8	516.6	520.0	523.9	527.3	531.0	534.4	538.0	540.6	543.5
130°	474.8	478.0	481.4	484.4	487.8	491.0	494.1	497.3	500.5	502.8	505.0
132.5°	450.6	453.6	456.7	459.4	462.5	465.4	468.3	471.2	474.3	476.0	478.0
135°	436.1	438.2	440.6	442.7	445.4	447.5	449.9	452.3	454.9	456.2	457.7
137.5°	423.1	425.0	427.1	428.9	431.0	432.9	435.1	437.1	439.4	440.2	441.5
140°	412.1	414.1	416.1	418.0	420.2	422.2	424.6	426.7	429.1	430.0	431.2
142.5°	404.4	405.8	407.4	409.0	410.9	412.5	414.4	416.4	418.3	419.3	420.3
145°	395.7	397.4	399.4	401.0	402.9	404.9	407.2	409.3	411.6	412.3	413.2
147.5°	390.3	391.7	393.4	395.0	396.7	398.3	400.4	402.3	404.3	405.1	405.8
150°	383.6	385.0	386.6	388.3	390.2	392.0	394.0	395.9	398.4	399.3	400.3
152.5°	377.7	379.3	381.0	382.9	384.7	386.7	389.0	391.1	393.4	394.2	395.2
155°	373.1	374.6	376.5	378.4	380.4	382.1	384.2	386.2	388.5	389.5	390.4
157.5°	371.2	372.5	374.3	376.0	377.8	379.4	381.5	383.1	385.2	386.0	386.7
160°	370.8	372.1	373.7	375.2	376.9	378.4	380.1	381.7	383.4	384.2	385.0
162.5°	371.0	372.4	374.0	375.2	377.0	378.6	380.3	381.7	383.4	384.1	384.9
165°	372.5	373.7	374.9	376.0	377.3	378.3	379.7	380.8	382.2	382.8	383.7
167.5°	377.5	378.2	379.0	379.9	381.0	381.9	383.0	383.9	384.9	385.7	386.3
170°	379.9	380.7	381.4	382.3	383.1	384.0	384.8	385.5	386.6	387.3	387.9
172.5°	383.2	383.5	384.2	384.6	385.2	385.6	386.3	387.0	387.6	388.3	388.8
175°	387.1	387.2	387.5	387.6	387.9	388.2	388.6	389.0	389.3	389.8	390.2
177.5°	390.7	390.9	391.0	391.2	391.6	391.8	392.0	392.2	392.5	393.0	393.5
180°	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4



TEST NUMBER: P1444401  
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**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8
2.5°	35953.9	35953.5	35952.3	35950.8	35949.2	35950.1	35951.7	35955.8	35963.0	35973.5	35987.1
5°	35827.8	35835.0	35839.3	35839.8	35836.0	35833.7	35837.3	35847.1	35867.0	35900.4	35945.6
7.5°	35695.4	35704.5	35718.4	35728.8	35730.8	35728.3	35728.8	35744.3	35781.1	35846.1	35937.5
10°	35554.0	35527.2	35541.3	35567.2	35587.8	35591.7	35594.2	35612.5	35666.2	35764.6	35911.3
12.5°	35423.6	35338.5	35322.1	35345.5	35376.8	35386.8	35384.0	35391.9	35454.8	35585.1	35789.5
15°	35251.9	35091.9	35037.2	35043.2	35081.8	35095.7	35085.6	35070.1	35131.5	35290.4	35555.0
17.5°	34974.1	34716.1	34615.6	34611.1	34656.3	34668.3	34643.5	34595.4	34655.8	34854.2	35182.6
20°	34551.8	34170.9	33981.5	33951.4	34000.6	33986.2	33936.6	33863.9	33943.4	34184.5	34575.2
22.5°	33792.5	33309.9	32986.4	32882.2	32940.9	32901.7	32829.4	32736.5	32841.9	33116.0	33551.1
25°	32551.9	31994.2	31551.4	31303.0	31349.8	31279.6	31200.9	31088.3	31214.1	31528.7	32007.6
27.5°	30728.3	30084.1	29535.4	29124.2	29139.3	29047.3	28956.7	28811.0	28968.1	29340.4	29880.5
30°	28303.4	27558.0	26889.7	26331.0	26280.9	26191.7	26098.9	25907.7	26104.2	26549.9	27181.1
32.5°	25258.1	24430.5	23658.4	22951.8	22818.5	22731.6	22648.7	22428.7	22686.1	23205.7	23930.9
35°	21696.7	20815.2	19978.1	19171.1	18950.2	18863.3	18790.9	18580.0	18901.2	19466.7	20249.9
37.5°	17787.7	16887.1	16056.0	15228.5	14916.5	14798.4	14745.8	14607.8	14978.2	15537.6	16324.0
40°	13774.6	12937.3	12192.2	11461.2	11105.6	10924.9	10897.4	10872.2	11230.4	11715.7	12429.5
42.5°	10020.5	9345.0	8770.4	8211.7	7889.4	7642.8	7642.6	7717.4	8039.9	8403.5	8953.9
45°	6931.4	6478.1	6112.0	5738.8	5838.6	5346.8	5635.7	5487.4	5646.8	5881.2	6239.1
47.5°	4764.7	4517.2	4316.2	4107.6	3955.6	3810.4	3823.1	3916.7	4066.8	4205.8	4392.1
50°	3472.7	3346.7	3244.2	3135.9	3060.2	2996.2	3000.0	3040.4	3119.3	3192.6	3290.0
52.5°	2721.1	2651.6	2596.0	2536.0	2496.4	2464.5	2466.2	2485.9	2528.6	2570.4	2626.3
55°	2242.8	2234.4	2162.1	2108.3	2087.9	2066.5	2070.4	2078.1	2107.1	2131.6	2168.6
57.5°	1879.5	1847.0	1825.3	1796.9	1784.0	1769.1	1772.4	1775.3	1794.7	1811.2	1837.8
60°	1622.9	1599.9	1584.5	1565.3	1556.7	1547.2	1549.4	1551.1	1563.5	1574.2	1593.3
62.5°	1452.5	1431.9	1418.5	1403.6	1397.7	1391.2	1392.7	1393.2	1401.0	1408.9	1423.3
65°	1321.7	1305.3	1294.2	1281.4	1275.2	1268.5	1269.1	1269.1	1275.7	1281.4	1292.3
67.5°	1183.5	1171.1	1164.0	1153.8	1149.5	1142.7	1142.6	1140.4	1144.7	1146.9	1154.3
70°	1072.5	1060.1	1050.9	1041.1	1035.7	1029.7	1029.9	1030.0	1034.9	1040.2	1049.7
72.5°	1004.0	992.0	983.9	975.3	970.3	965.1	964.2	963.7	967.2	970.1	976.4
75°	913.1	903.7	898.8	890.8	886.8	881.1	880.2	877.4	879.1	879.7	884.4
77.5°	803.0	794.0	790.1	782.0	778.6	772.1	771.6	768.6	770.0	769.0	772.6
80°	677.4	669.3	667.2	660.5	658.9	652.8	651.9	648.3	649.4	646.6	647.9
82.5°	537.3	529.8	528.2	522.1	522.1	516.6	516.3	510.9	510.9	506.1	498.6
85°	378.5	373.0	370.7	365.7	364.1	359.8	357.5	352.2	350.4	347.1	346.0
87.5°	199.8	196.3	193.2	190.8	186.4	178.5	177.8	172.3	172.7	168.8	169.1
90°	47.6	42.9	42.1	37.7	36.6	33.5	32.6	32.7	33.5	33.7	34.7
92.5°	38.4	37.1	35.7	34.4	33.0	31.7	30.3	31.7	33.0	34.4	35.7
95°	43.5	42.3	41.1	39.9	38.6	37.4	36.2	37.4	38.6	40.1	41.3
97.5°	48.4	47.7	46.9	46.2	45.4	44.7	43.9	44.9	45.6	46.4	47.1
100°	55.9	55.0	54.1	53.2	52.3	51.4	50.4	51.6	52.5	53.4	54.3
102.5°	95.0	89.5	83.8	78.3	72.6	67.1	61.4	67.1	72.6	78.5	84.0
105°	221.7	202.9	184.0	165.1	146.1	127.2	108.3	127.3	146.2	165.2	184.2
107.5°	442.5	409.5	376.1	342.9	309.5	276.2	242.9	276.4	309.8	343.1	376.4
110°	655.2	626.7	597.9	569.3	540.5	511.9	483.1	512.0	540.8	569.6	598.3



TEST NUMBER: P1444401  
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**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	771.2	753.9	736.5	719.2	701.6	684.2	666.6	684.5	702.1	719.8	737.3
115°	797.0	787.8	778.7	769.7	760.4	751.3	741.9	751.7	761.1	770.5	779.9
117.5°	769.9	766.9	763.8	760.8	757.6	754.5	751.1	754.7	758.2	762.0	765.1
120°	712.9	713.7	714.2	714.6	715.1	715.5	715.8	716.0	716.0	716.0	715.9
122.5°	650.7	653.4	656.1	658.6	661.1	663.6	665.8	664.1	662.2	660.3	658.2
125°	593.7	596.8	599.4	602.2	604.7	607.5	609.5	608.1	606.1	604.2	602.0
127.5°	546.1	548.7	551.1	553.9	556.1	558.5	560.5	559.3	557.6	556.0	553.9
130°	507.0	509.4	511.4	513.4	515.2	516.9	518.4	517.6	516.6	515.8	514.4
132.5°	479.7	481.6	483.3	484.9	486.2	487.8	488.7	488.6	488.0	487.4	486.4
135°	459.1	460.5	461.7	463.2	464.1	465.1	465.7	466.1	465.9	465.8	465.1
137.5°	442.4	443.6	444.4	445.2	445.8	446.3	446.5	447.2	447.5	448.1	448.0
140°	432.2	433.3	434.1	434.9	435.6	436.3	436.3	437.2	437.5	437.8	437.7
142.5°	421.5	422.5	423.4	424.3	424.8	425.4	425.6	426.3	426.6	426.9	426.9
145°	414.1	414.8	415.5	416.3	416.6	417.0	416.9	417.9	418.3	418.8	419.1
147.5°	406.6	407.4	408.0	408.5	408.9	409.3	409.5	410.1	410.8	411.2	411.5
150°	401.3	402.2	402.9	403.8	404.4	404.9	405.0	405.7	406.0	406.3	406.3
152.5°	396.0	396.7	397.6	398.2	398.9	399.3	399.6	400.1	400.7	401.0	401.2
155°	391.2	392.2	393.0	393.8	394.3	394.9	395.5	396.0	396.4	396.7	396.9
157.5°	387.6	388.6	389.2	390.0	390.6	391.4	391.9	392.5	392.9	393.5	393.7
160°	385.6	386.6	387.2	388.0	388.7	389.3	389.9	390.5	391.0	391.4	392.0
162.5°	385.5	386.3	386.7	387.6	388.3	389.0	389.5	390.2	390.7	391.2	391.6
165°	384.5	385.3	386.0	386.9	387.8	388.5	389.1	389.6	389.9	390.2	390.5
167.5°	387.1	387.9	388.5	389.2	389.8	390.6	391.3	391.7	392.0	392.2	392.4
170°	388.5	389.2	389.9	390.4	391.1	391.7	392.2	392.4	392.7	392.9	393.2
172.5°	389.4	390.2	390.8	391.6	392.2	392.9	393.5	393.7	393.6	393.6	393.4
175°	390.6	391.3	391.7	392.3	392.7	393.3	393.9	393.7	393.8	393.6	393.6
177.5°	394.1	394.8	395.4	395.8	396.5	396.9	397.5	397.0	396.7	396.4	396.0
180°	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4



TEST NUMBER: P1444401  
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**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8
2.5°	36006.4	36024.4	36052.0	36076.9	36114.5	36144.2	36188.7	36222.5	36272.8	36305.4	36360.1
5°	36009.6	36080.0	36172.6	36263.1	36371.7	36470.4	36593.0	36697.4	36820.6	36921.2	37047.3
7.5°	36060.4	36196.4	36359.1	36523.2	36708.7	36882.3	37077.9	37254.9	37448.3	37612.1	37791.0
10°	36098.1	36307.6	36547.5	36788.9	37043.1	37279.2	37517.6	37723.7	37916.2	38074.6	38214.6
12.5°	36047.1	36335.8	36643.7	36941.0	37223.6	37468.0	37673.1	37831.5	37940.9	38015.1	38032.4
15°	35874.0	36221.3	36556.1	36852.2	37086.7	37267.6	37361.2	37405.0	37358.0	37279.9	37108.3
17.5°	35550.6	35916.9	36216.2	36449.8	36573.7	36622.8	36545.3	36410.4	36146.7	35854.1	35431.4
20°	34957.6	35299.0	35516.1	35643.5	35610.3	35487.7	35194.9	34839.1	34312.8	33751.8	33011.5
22.5°	33917.6	34216.1	34331.7	34341.2	34138.9	33832.0	33303.9	32693.4	31863.0	30999.8	29938.1
25°	32356.5	32617.8	32636.2	32533.5	32163.3	31665.9	30890.4	30026.9	28898.6	27748.2	26417.8
27.5°	30239.3	30490.1	30428.6	30237.1	29723.1	29057.5	28064.7	26949.2	25558.1	24199.5	22727.7
30°	27577.9	27846.0	27773.9	27528.1	26916.9	26130.2	24962.0	23665.9	22121.4	20670.4	19179.0
32.5°	24392.9	24731.8	24682.1	24448.6	23810.7	22968.7	21701.2	20326.5	18746.4	17316.4	15865.7
35°	20772.8	21184.3	21205.5	21052.9	20460.7	19628.5	18376.8	17046.3	15532.7	14183.5	12843.4
37.5°	16872.5	17349.6	17447.5	17406.4	16915.6	16180.9	15040.6	13846.9	12506.1	11323.6	10177.4
40°	12950.6	13433.5	13601.0	13650.8	13288.6	12719.6	11783.6	10820.2	9727.2	8768.9	7858.9
42.5°	9374.0	9802.1	9964.1	10065.9	9839.9	9460.4	8777.7	8078.1	7277.2	6586.1	5923.5
45°	6510.5	6813.3	6936.5	7039.0	6915.8	6701.8	6270.6	5833.0	5304.4	4852.8	4425.3
47.5°	4551.9	4718.9	4800.1	4849.9	4802.1	4690.5	4455.8	4202.4	3904.0	3640.1	3386.3
50°	3373.9	3462.8	3505.3	3534.0	3499.3	3437.3	3310.2	3172.3	3008.3	2858.9	2712.8
52.5°	2673.7	2724.7	2749.9	2765.5	2745.5	2707.6	2633.6	2551.8	2453.6	2361.2	2312.6
55°	2252.5	2249.8	2308.2	2280.0	2308.2	2245.2	2232.0	2142.0	2060.5	2003.0	1940.8
57.5°	1857.6	1884.0	1895.2	1907.8	1899.6	1888.1	1856.8	1824.5	1781.5	1745.5	1707.1
60°	1607.9	1629.7	1642.0	1654.5	1653.7	1649.4	1631.1	1612.0	1585.0	1563.5	1540.2
62.5°	1436.0	1454.9	1467.0	1478.9	1480.0	1478.3	1464.5	1451.1	1432.8	1419.3	1403.2
65°	1300.7	1313.9	1322.2	1331.7	1331.2	1328.7	1316.2	1305.1	1290.0	1280.6	1268.9
67.5°	1159.1	1169.1	1175.6	1184.6	1186.3	1186.8	1180.0	1174.8	1167.4	1164.7	1160.8
70°	1058.4	1070.6	1080.9	1092.2	1098.4	1101.3	1098.4	1095.8	1091.4	1089.6	1086.5
72.5°	982.3	992.6	1000.5	1010.8	1016.6	1020.7	1018.5	1017.0	1013.2	1012.7	1010.6
75°	887.6	894.7	899.2	907.0	910.0	914.0	912.2	913.1	911.9	914.9	914.8
77.5°	773.8	779.0	781.2	786.8	787.3	792.0	793.1	798.5	802.5	811.0	815.6
80°	645.8	649.1	649.1	654.8	657.4	665.2	669.0	677.9	682.1	689.8	690.4
82.5°	501.6	497.7	501.6	499.3	506.5	515.4	516.6	524.2	526.0	530.7	527.0
85°	343.0	342.7	339.6	340.1	337.8	338.9	337.6	339.0	337.7	337.8	334.4
87.5°	164.3	165.8	162.1	163.4	159.9	161.5	158.4	160.8	157.2	157.8	152.5
90°	35.2	36.0	36.5	37.4	38.7	41.1	43.7	46.1	49.1	51.6	54.3
92.5°	37.1	38.5	40.0	41.3	42.7	46.8	50.9	55.0	59.2	63.2	67.2
95°	42.5	43.7	44.9	46.3	47.5	53.5	59.3	65.3	71.2	77.1	83.0
97.5°	48.1	48.8	49.6	50.3	51.4	58.3	65.3	72.2	79.2	86.2	92.9
100°	55.4	56.3	57.2	58.2	59.1	75.2	91.2	107.4	123.4	139.3	155.4
102.5°	89.8	95.4	101.0	106.9	112.5	151.5	190.4	229.3	268.0	306.8	345.7
105°	203.1	222.1	241.4	260.2	279.2	338.1	397.0	456.1	514.7	573.5	632.4
107.5°	409.9	443.2	476.6	509.9	543.2	598.7	654.0	709.4	764.9	820.1	875.3
110°	627.5	656.0	685.0	713.9	742.6	786.4	830.5	874.3	918.3	962.1	1006.0



TEST NUMBER: P1444401  
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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°	754.9	772.4	790.0	807.3	824.9	857.0	889.5	921.6	954.0	985.8	1018.1
115°	789.3	798.3	807.7	816.8	826.2	845.6	864.9	884.4	903.8	922.9	942.3
117.5°	768.6	771.9	775.3	778.1	781.6	791.5	801.3	811.2	821.1	831.1	840.9
120°	715.8	715.4	715.1	714.6	714.3	717.2	720.3	723.2	726.2	729.1	731.8
122.5°	656.0	653.5	651.2	648.8	646.4	645.0	643.8	642.4	641.4	640.0	638.7
125°	599.7	597.2	594.9	592.2	589.7	586.6	583.7	580.6	577.6	574.4	571.4
127.5°	552.2	549.8	547.8	545.3	542.9	539.4	536.1	532.6	529.3	525.7	522.4
130°	513.1	511.4	509.8	507.7	506.1	502.8	500.0	496.8	493.8	490.7	487.6
132.5°	485.6	484.3	483.2	481.5	480.3	477.4	474.8	471.8	469.1	466.3	463.6
135°	464.8	463.9	463.3	462.1	461.2	458.9	456.9	454.6	452.4	450.2	448.1
137.5°	448.0	447.5	447.2	446.7	446.2	444.2	442.4	440.5	438.8	436.8	435.1
140°	437.8	437.5	437.2	436.7	436.2	434.2	432.4	430.3	428.5	426.5	424.7
142.5°	426.8	426.6	426.4	425.9	425.5	423.9	422.6	421.1	419.4	417.9	416.4
145°	419.2	419.1	419.2	418.8	418.9	417.0	415.5	413.6	412.2	410.3	408.7
147.5°	411.8	411.8	411.9	411.9	412.0	410.4	409.3	407.6	406.4	404.9	403.7
150°	406.5	406.4	406.5	406.2	406.1	404.6	403.5	402.0	400.9	399.2	398.1
152.5°	401.3	401.5	401.6	401.7	401.8	400.5	399.1	397.6	396.2	394.8	393.4
155°	397.2	397.3	397.5	397.5	397.5	396.3	395.1	393.7	392.5	391.2	390.0
157.5°	394.0	394.3	394.5	394.7	394.8	393.7	392.7	391.6	390.6	389.4	388.4
160°	392.2	392.6	392.9	393.0	393.3	392.4	391.8	390.6	390.0	388.8	387.8
162.5°	392.0	392.4	392.7	392.8	393.1	392.2	391.5	390.6	389.7	388.6	387.7
165°	390.8	390.9	391.1	391.1	391.2	390.6	390.1	389.5	388.9	388.2	387.6
167.5°	392.6	392.7	392.9	392.9	393.0	392.6	392.5	391.9	391.4	391.0	390.5
170°	393.3	393.4	393.5	393.5	393.6	393.2	392.8	392.4	392.2	391.5	391.0
172.5°	393.5	393.4	393.3	393.3	393.1	392.8	392.7	392.4	392.2	391.9	391.6
175°	393.4	393.3	393.2	393.1	392.9	392.8	392.7	392.7	392.6	392.4	392.3
177.5°	395.7	395.5	395.0	394.7	394.3	394.2	394.2	394.1	394.1	394.0	393.8
180°	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4



TEST NUMBER: P1444401  
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**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8
2.5°	36393.9	36169.2	36139.5	36155.3	36192.8	36206.8	36247.2	36258.3	36299.2	36309.2	36348.3
5°	37144.9	36847.8	36862.6	36934.0	37042.2	37106.7	37212.9	37268.5	37370.0	37416.1	37507.9
7.5°	37936.8	37703.4	37776.2	37896.6	38044.5	38147.0	38274.6	38357.7	38467.8	38536.1	38624.2
10°	38325.6	38261.6	38341.7	38436.4	38520.9	38586.9	38641.1	38684.4	38712.7	38739.3	38750.9
12.5°	38029.6	38128.6	38142.2	38133.0	38077.1	38034.5	37938.6	37873.5	37757.9	37687.4	37549.8
15°	36932.8	37150.4	37029.9	36847.6	36580.7	36358.2	36044.0	35810.1	35482.9	35261.0	34932.7
17.5°	35008.0	35282.5	34968.6	34546.6	34009.9	33550.7	32978.9	32524.9	31956.3	31542.9	31012.2
20°	32298.1	32554.7	31994.9	31295.3	30465.0	29766.2	28942.2	28284.6	27518.8	26949.2	26261.6
22.5°	28924.1	29106.8	28318.2	27375.2	26317.3	25444.3	24459.0	23670.7	22796.7	22145.5	21412.5
25°	25191.3	25240.6	24294.7	23208.3	22029.2	21048.0	19996.2	19167.4	18276.0	17616.0	16896.6
27.5°	21423.9	21351.5	20329.0	19177.2	17936.9	16917.0	15891.0	15114.4	14333.9	13739.3	13119.5
30°	17867.9	17692.7	16631.0	15447.1	14243.1	13329.1	12477.4	11853.6	11232.7	10761.0	10263.5
32.5°	14607.0	14359.9	13326.5	12217.2	11202.7	10497.3	9865.8	9393.9	8892.3	8494.0	8076.4
35°	11718.6	11455.4	10539.9	9599.4	8831.7	8311.7	7815.3	7428.2	7002.4	6666.3	6303.6
37.5°	9239.8	9024.1	8257.2	7517.2	6936.5	6533.5	6126.7	5810.3	5458.5	5310.6	4923.1
40°	7133.1	6982.3	6382.6	5837.2	5401.1	5211.8	4798.9	4503.4	4240.3	4023.5	3813.5
42.5°	5563.9	5510.6	4927.0	4501.6	4194.5	3956.0	3725.9	3539.2	3357.3	3207.8	3066.7
45°	4083.1	4040.8	3781.8	3536.2	3327.0	3160.3	3004.8	2876.3	2757.4	2658.9	2569.3
47.5°	3179.5	3166.0	3016.8	2864.6	2732.7	2625.6	2524.6	2439.4	2360.5	2294.7	2273.3
50°	2586.1	2584.3	2496.8	2402.7	2308.9	2246.9	2182.6	2132.1	2081.5	2042.0	2000.3
52.5°	2197.3	2187.7	2128.7	2070.7	2014.9	1974.2	1933.0	1900.9	1867.3	1842.9	1817.0
55°	1891.7	1901.7	1867.5	1832.8	1797.9	1772.6	1743.8	1722.5	1699.6	1684.1	1668.5
57.5°	1679.3	1692.6	1674.6	1655.0	1633.8	1617.1	1597.2	1582.5	1567.2	1557.4	1548.3
60°	1524.9	1539.3	1532.2	1522.3	1509.2	1499.3	1486.6	1478.4	1468.5	1463.0	1457.9
62.5°	1393.9	1411.9	1409.4	1404.7	1396.3	1390.8	1383.8	1380.2	1373.7	1371.3	1368.9
65°	1263.2	1283.4	1283.0	1280.8	1276.1	1274.5	1270.2	1269.4	1266.1	1267.4	1267.1
67.5°	1160.4	1178.0	1181.8	1184.7	1184.6	1185.6	1185.2	1186.9	1186.9	1189.5	1191.1
70°	1086.1	1098.4	1101.3	1104.4	1105.2	1107.5	1107.5	1109.0	1108.6	1110.7	1111.0
72.5°	1011.1	1027.3	1030.3	1032.6	1032.6	1034.9	1033.7	1033.3	1030.1	1029.5	1027.2
75°	917.8	938.6	943.1	946.0	946.4	948.5	945.6	943.9	938.6	936.4	932.6
77.5°	820.3	841.9	845.0	846.1	844.4	844.8	838.9	834.9	828.1	825.3	821.7
80°	693.5	725.2	727.7	725.7	720.7	719.9	714.2	710.4	702.3	699.4	696.4
82.5°	527.7	564.8	570.1	572.3	568.4	569.3	563.8	561.6	554.1	552.8	547.9
85°	333.2	370.3	376.5	375.5	371.5	370.6	367.4	368.5	367.8	369.8	370.9
87.5°	153.1	189.1	197.8	194.9	194.5	192.0	186.3	188.4	191.8	194.1	194.2
90°	56.8	70.2	72.5	71.3	66.7	64.9	60.5	59.3	55.4	54.2	50.4
92.5°	71.3	75.4	79.5	75.9	72.2	68.6	65.0	61.1	57.6	53.9	50.3
95°	89.0	94.6	100.6	95.8	90.7	85.9	81.0	76.1	71.2	66.4	61.5
97.5°	99.9	106.7	113.4	108.6	103.7	98.8	93.9	89.1	84.3	79.3	74.5
100°	171.5	187.1	202.9	189.1	175.3	161.4	147.6	133.8	120.0	106.1	92.2
102.5°	384.4	423.0	461.7	426.7	391.7	356.8	322.0	286.9	252.0	217.0	182.1
105°	691.2	749.5	808.1	754.5	701.3	647.9	594.6	541.2	487.9	434.5	381.3
107.5°	930.6	985.0	1039.9	991.6	943.3	895.2	846.8	798.4	750.2	701.9	653.7
110°	1049.8	1092.3	1135.9	1103.3	1070.9	1038.3	1005.9	973.3	941.0	908.7	876.3



TEST NUMBER: P1444401  
 CATALOG NUMBER: EHBR1-42-UNV-TA-L840-UPL24

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	1050.1	1080.6	1112.2	1092.9	1073.9	1054.7	1035.6	1016.5	997.6	978.4	959.7
115°	961.5	978.8	997.6	989.6	982.1	974.2	966.4	958.9	951.2	943.4	936.2
117.5°	850.6	858.2	867.2	865.3	863.8	861.9	860.4	858.7	857.2	855.6	854.2
120°	734.7	735.1	737.3	737.7	738.4	738.9	739.6	740.1	740.8	741.5	742.4
122.5°	637.4	633.2	631.0	631.5	631.9	632.2	632.8	633.3	634.0	634.6	635.3
125°	568.4	562.2	558.2	556.4	554.6	552.8	551.0	549.3	547.7	546.1	544.5
127.5°	518.7	512.1	507.7	504.2	500.8	497.1	493.7	490.1	486.7	483.1	480.0
130°	484.6	478.1	474.0	469.7	465.7	461.1	457.0	452.6	448.3	444.1	439.8
132.5°	460.7	454.3	450.5	446.4	442.5	438.1	434.2	429.8	425.8	421.4	417.5
135°	445.9	439.8	436.7	432.8	429.3	425.4	421.7	417.6	414.1	410.0	406.5
137.5°	433.1	427.1	424.5	421.3	418.4	415.2	412.4	408.9	406.0	402.5	399.7
140°	422.6	416.4	413.5	411.7	410.0	407.8	406.0	404.0	402.2	400.3	398.3
142.5°	414.9	408.7	406.3	405.0	404.0	402.5	401.6	400.2	399.0	397.2	396.0
145°	407.0	400.3	397.5	397.0	396.9	396.6	396.2	395.9	395.5	395.0	394.6
147.5°	402.2	395.2	392.6	392.7	392.7	392.5	392.6	392.5	392.6	392.5	392.5
150°	396.4	388.6	385.4	385.8	386.0	386.3	386.6	386.9	387.4	387.6	387.9
152.5°	391.8	382.5	379.0	379.3	379.9	380.1	380.6	381.1	381.7	382.1	382.6
155°	388.4	378.2	374.4	374.3	374.5	374.6	374.8	375.1	375.4	375.8	376.2
157.5°	387.0	376.4	372.6	372.3	372.3	372.3	372.3	372.5	372.6	372.8	373.2
160°	386.6	376.1	372.4	372.0	372.0	371.9	371.8	371.8	372.0	372.1	372.4
162.5°	386.4	376.1	372.6	372.1	371.9	371.8	371.9	371.6	371.8	371.7	372.1
165°	386.6	377.5	374.3	374.1	374.1	374.0	374.0	374.1	374.3	374.4	374.7
167.5°	389.9	381.6	379.2	378.8	378.4	378.0	378.0	377.5	377.5	377.2	377.2
170°	390.5	383.9	381.8	381.6	381.8	381.7	381.6	381.6	381.6	381.5	381.7
172.5°	391.2	386.4	384.8	384.9	385.2	385.4	385.7	385.9	386.2	386.5	386.9
175°	392.1	389.3	388.6	388.5	388.6	388.8	388.9	389.1	389.2	389.4	389.8
177.5°	393.9	393.0	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.8	392.8
180°	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4



TEST NUMBER: P1444401  
 CATALOG NUMBER: EHBR1-42-UNV-TA-L840-UPL24

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8
2.5°	36355.7	36398.1	36394.8	36434.4	36432.5	36469.7	36462.2	36494.4	36487.2	36514.6	36498.5
5°	37548.2	37628.8	37655.5	37728.2	37743.3	37808.4	37809.8	37861.5	37855.2	37895.7	37874.1
7.5°	38676.4	38751.7	38787.3	38843.9	38872.0	38918.8	38937.2	38975.7	38984.9	39007.6	39006.9
10°	38771.5	38771.2	38788.9	38781.0	38796.8	38787.7	38806.9	38800.0	38828.4	38821.2	38842.7
12.5°	37490.5	37363.4	37317.0	37202.7	37177.8	37079.7	37086.7	37023.8	37054.2	37015.6	37081.4
15°	34737.3	34442.4	34296.7	34040.2	33959.8	33757.1	33740.7	33606.1	33642.4	33572.0	33674.9
17.5°	30668.9	30204.6	29949.7	29575.3	29426.6	29140.0	29082.5	28909.3	28936.1	28848.8	28973.1
20°	25818.2	25257.1	24935.7	24502.7	24309.5	23967.8	23877.2	23683.2	23707.6	23620.7	23761.3
22.5°	20912.2	20324.9	19962.1	19508.2	19261.5	18940.1	18843.7	18648.9	18660.0	18578.4	18713.7
25°	16403.8	15840.7	15488.6	15076.2	14862.2	14567.5	14466.1	14291.3	14301.2	14234.0	14355.3
27.5°	12689.5	12227.5	11932.8	11587.3	11395.3	11153.1	11054.3	10907.3	10906.9	10857.5	10959.0
30°	9916.1	9530.6	9266.1	8965.1	8784.9	8566.3	8470.9	8339.3	8333.5	8298.5	8379.1
32.5°	7764.2	7421.2	7179.8	6915.1	6753.2	6565.7	6475.4	6369.5	6359.9	6328.2	6394.4
35°	6035.6	5746.9	5539.3	5316.3	5332.8	5056.0	5102.0	4887.0	4828.8	4816.1	4865.2
37.5°	4664.8	4441.2	4272.6	4105.6	3992.5	3875.5	3812.5	3756.0	3749.5	3744.1	3778.6
40°	3651.3	3494.8	3372.2	3257.6	3179.8	3108.3	3069.0	3037.9	3030.5	3026.4	3047.3
42.5°	2955.2	2849.5	2770.5	2700.6	2653.3	2614.5	2592.8	2575.6	2569.8	2570.0	2582.3
45°	2496.8	2432.7	2381.7	2338.3	2308.1	2321.3	2282.3	2302.7	2275.7	2303.6	2285.2
47.5°	2198.7	2144.2	2112.6	2081.9	2063.6	2048.9	2049.4	2049.7	2055.4	2056.3	2062.4
50°	1968.8	1937.2	1915.3	1895.6	1886.1	1878.4	1881.1	1883.1	1888.6	1889.0	1893.5
52.5°	1798.5	1777.9	1764.6	1752.4	1748.2	1743.8	1745.7	1744.9	1747.4	1746.1	1749.6
55°	1660.1	1650.3	1646.2	1641.6	1642.2	1641.1	1641.8	1637.5	1634.8	1631.5	1634.6
57.5°	1546.4	1545.1	1547.9	1549.8	1555.0	1556.9	1558.1	1553.0	1548.2	1543.8	1546.3
60°	1458.9	1461.0	1468.0	1473.5	1481.0	1484.5	1486.7	1483.7	1480.3	1476.7	1478.8
62.5°	1372.5	1375.9	1384.1	1390.4	1399.5	1404.2	1409.4	1409.7	1411.0	1409.7	1411.1
65°	1272.2	1276.4	1283.9	1289.1	1297.5	1301.6	1307.0	1308.0	1310.9	1310.2	1312.7
67.5°	1196.1	1199.8	1206.1	1211.0	1218.5	1222.8	1227.4	1227.8	1228.8	1228.6	1230.9
70°	1114.7	1116.6	1122.2	1126.3	1133.8	1138.3	1143.6	1145.2	1148.5	1149.0	1151.8
72.5°	1028.1	1027.3	1030.7	1032.5	1038.2	1041.6	1048.5	1052.2	1057.7	1059.2	1061.3
75°	933.7	932.9	937.0	938.6	943.3	946.8	954.4	959.4	968.0	971.7	970.8
77.5°	824.5	826.4	833.8	838.0	844.4	848.8	858.8	866.6	882.5	889.4	882.4
80°	702.3	704.3	712.1	715.9	724.4	729.7	740.8	750.0	764.3	767.4	763.4
82.5°	552.1	552.7	559.6	562.6	573.5	581.4	595.5	602.8	611.7	610.3	609.2
85°	376.5	381.6	390.3	399.0	412.3	425.2	438.4	449.3	441.6	453.7	440.1
87.5°	201.2	200.7	212.4	210.6	229.2	240.1	251.6	257.1	263.2	262.0	262.1
90°	49.7	47.1	47.3	44.4	45.5	42.3	44.4	41.5	44.2	40.5	46.4
92.5°	46.6	44.8	42.7	40.9	38.7	36.9	34.8	32.9	30.9	29.0	30.9
95°	56.7	54.9	53.1	51.2	49.3	47.5	45.7	43.9	42.1	40.3	42.6
97.5°	69.6	68.5	67.5	66.4	65.4	64.3	63.3	62.2	60.9	59.8	61.3
100°	78.4	78.4	78.4	78.4	78.2	78.2	78.2	78.2	78.2	78.2	79.4
102.5°	147.2	143.7	140.3	136.5	133.1	129.6	126.1	122.6	119.2	115.6	120.8
105°	327.9	314.3	300.6	286.9	273.1	259.5	245.9	232.2	218.5	204.9	219.1
107.5°	605.7	580.7	555.8	530.8	505.9	481.1	456.3	431.3	406.5	381.7	404.0
110°	843.9	817.5	790.9	764.5	738.1	711.5	685.2	658.9	632.4	606.1	627.3



TEST NUMBER: P1444401  
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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°	940.7	923.3	906.3	889.1	872.0	855.0	838.0	820.9	804.0	787.0	797.3
115°	928.5	920.2	912.0	903.8	895.7	887.3	879.2	871.2	863.2	855.1	855.7
117.5°	852.7	849.7	847.0	844.0	841.2	838.5	835.9	833.2	830.5	828.1	822.3
120°	743.4	743.9	744.4	745.2	746.1	747.0	747.6	748.7	749.7	750.8	743.0
122.5°	636.0	637.5	639.3	641.1	643.0	645.0	647.1	649.3	651.6	653.8	646.1
125°	542.8	544.5	546.1	547.8	549.4	551.5	553.5	555.9	557.9	560.4	553.8
127.5°	476.6	476.9	477.0	477.6	477.9	478.7	479.5	480.4	481.4	482.7	478.6
130°	435.6	434.5	433.3	432.3	431.1	430.6	430.0	429.4	429.0	428.8	427.1
132.5°	413.2	411.1	408.9	406.9	405.0	403.4	401.7	400.5	399.2	398.1	397.5
135°	402.4	399.7	396.9	394.3	391.7	389.6	387.3	385.4	383.5	381.8	382.3
137.5°	396.4	393.8	390.9	388.5	385.8	383.7	381.4	379.4	377.6	376.0	376.8
140°	396.2	393.5	390.8	388.3	385.9	383.7	381.5	379.7	377.6	376.2	376.7
142.5°	394.6	392.4	389.8	387.7	385.2	383.3	381.4	379.8	377.8	376.6	377.2
145°	394.1	392.4	390.5	388.8	387.2	385.8	384.1	383.0	381.8	381.0	381.3
147.5°	392.3	391.1	389.6	388.4	387.0	385.9	384.7	383.9	383.0	382.4	382.5
150°	388.2	387.4	386.3	385.6	384.7	384.1	383.4	382.9	382.3	382.0	382.0
152.5°	383.1	382.5	381.6	381.0	380.3	379.8	379.2	378.9	378.4	378.1	378.1
155°	376.5	376.2	375.9	375.8	375.4	375.5	375.2	375.3	375.1	375.2	375.3
157.5°	373.4	373.4	373.3	373.5	373.6	373.6	373.7	374.0	374.0	374.4	374.6
160°	372.8	372.7	372.6	372.7	372.6	372.6	372.7	372.8	372.9	373.0	373.5
162.5°	372.2	372.6	372.7	372.9	373.3	373.6	374.0	374.5	374.8	375.3	375.8
165°	375.0	375.1	375.0	375.0	375.2	375.4	375.4	376.0	376.0	376.5	377.0
167.5°	377.1	377.3	377.4	377.6	377.9	378.3	378.6	379.1	379.6	380.2	380.7
170°	381.5	381.5	381.5	381.5	381.5	381.8	381.9	382.0	382.2	382.6	382.9
172.5°	387.0	387.0	386.7	387.0	386.7	387.0	387.0	387.2	387.2	387.3	387.5
175°	389.7	390.1	390.3	390.5	390.6	390.7	390.9	391.0	391.2	391.4	391.4
177.5°	392.8	392.9	392.9	392.9	392.9	393.0	393.0	393.0	393.0	392.9	393.0
180°	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4



TEST NUMBER: P1444401  
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**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8
2.5°	36525.3	36507.0	36525.7	36506.7	36525.7	36503.0	36518.4	36493.8	36500.1	36474.5	36481.1
5°	37906.4	37877.3	37892.8	37855.0	37858.9	37808.4	37807.4	37748.6	37733.2	37666.2	37636.7
7.5°	39023.2	39013.7	39019.0	38994.6	38991.9	38957.4	38940.9	38892.2	38861.6	38800.0	38757.9
10°	38846.4	38874.9	38882.2	38911.3	38917.2	38946.0	38952.0	38980.8	38986.8	39008.0	39008.3
12.5°	37078.3	37175.0	37198.1	37317.5	37367.7	37504.4	37577.7	37728.2	37817.6	37967.8	38060.0
15°	33672.0	33839.3	33906.0	34139.2	34268.2	34540.4	34711.4	35024.0	35244.6	35576.5	35813.2
17.5°	28984.1	29217.8	29323.3	29639.5	29845.7	30247.5	30537.1	31013.7	31378.6	31908.2	32328.1
20°	23785.5	24045.2	24188.4	24549.1	24792.5	25261.9	25623.5	26209.2	26697.5	27368.7	27942.6
22.5°	18756.1	19003.3	19162.3	19529.3	19803.3	20292.9	20697.0	21315.1	21862.4	22618.7	23306.8
25°	14401.2	14627.7	14771.4	15103.3	15360.7	15810.6	16196.5	16791.0	17326.4	18085.0	18790.6
27.5°	11009.5	11199.2	11337.7	11620.8	11847.8	12229.4	12560.7	13052.1	13513.4	14169.8	14798.1
30°	8428.7	8596.9	8731.7	8978.2	9188.7	9519.4	9810.8	10223.6	10605.4	11127.6	11627.4
32.5°	6441.0	6585.7	6705.8	6921.5	7112.5	7410.4	7672.9	8034.7	8362.4	8805.3	9216.6
35°	4911.0	5195.8	5175.7	5473.3	5521.1	5735.0	5969.1	6285.5	6575.8	6952.3	7302.3
37.5°	3811.7	3891.8	3977.7	4109.3	4247.5	4441.9	4639.8	5026.3	5168.1	5452.7	5742.4
40°	3073.7	3127.9	3184.6	3273.5	3370.3	3507.3	3651.5	3835.8	4024.7	4255.5	4491.2
42.5°	2598.6	2629.3	2665.3	2717.5	2777.2	2864.1	2960.5	3085.5	3216.9	3379.3	3545.1
45°	2321.7	2307.2	2317.9	2345.9	2381.8	2434.7	2495.6	2573.0	2658.5	2763.8	2875.8
47.5°	2063.6	2069.5	2072.7	2087.9	2107.1	2142.6	2179.4	2232.0	2333.5	2364.4	2425.4
50°	1893.1	1895.9	1895.0	1902.8	1912.5	1935.5	1959.4	1995.0	2030.5	2077.6	2122.5
52.5°	1750.2	1754.1	1753.6	1758.8	1763.9	1778.6	1793.6	1818.7	1842.0	1872.0	1897.8
55°	1637.3	1642.9	1645.0	1649.2	1651.8	1659.4	1665.5	1677.5	1687.4	1704.3	1719.9
57.5°	1550.5	1558.1	1561.5	1563.0	1559.9	1559.5	1557.5	1560.1	1562.0	1571.2	1580.0
60°	1482.2	1488.3	1489.2	1488.3	1482.6	1478.7	1472.2	1470.2	1469.2	1473.5	1478.4
62.5°	1410.8	1412.9	1411.4	1409.7	1403.2	1399.4	1392.7	1390.3	1388.0	1391.1	1393.6
65°	1311.8	1313.7	1311.8	1310.7	1304.9	1301.9	1296.3	1294.4	1291.2	1292.0	1291.5
67.5°	1231.5	1233.3	1231.9	1230.4	1226.3	1224.5	1220.4	1217.7	1213.8	1212.3	1209.7
70°	1151.4	1152.9	1150.6	1149.0	1144.5	1142.8	1139.0	1138.2	1135.0	1134.4	1131.3
72.5°	1059.2	1059.3	1056.2	1055.2	1051.9	1051.8	1050.2	1051.7	1051.5	1053.1	1052.4
75°	965.0	963.7	959.7	959.0	956.4	957.6	955.9	958.1	958.4	961.9	962.3
77.5°	870.6	865.6	858.1	854.4	849.4	848.7	845.7	847.8	847.1	851.1	852.7
80°	751.4	745.3	735.6	730.9	724.9	724.0	721.2	724.0	722.6	727.3	730.6
82.5°	599.9	594.7	584.5	580.8	573.8	574.5	571.5	574.5	574.1	581.0	585.0
85°	443.8	440.2	429.8	420.6	410.3	404.3	398.5	397.3	395.6	398.5	400.8
87.5°	256.3	253.1	244.9	239.5	221.6	222.3	215.2	214.8	213.1	211.5	215.2
90°	45.4	50.3	49.6	54.2	54.0	59.2	59.4	64.4	64.0	68.9	69.3
92.5°	32.9	34.8	36.8	38.7	40.8	42.7	44.7	46.6	50.9	54.8	59.3
95°	44.8	47.1	49.3	51.7	53.9	56.2	58.4	60.7	67.0	73.2	79.4
97.5°	63.1	64.4	65.9	67.4	68.9	70.4	71.9	73.5	80.3	87.0	93.6
100°	80.6	81.8	83.0	84.3	85.5	86.7	87.9	89.1	102.2	115.0	127.9
102.5°	125.9	131.1	136.2	141.4	146.7	151.9	157.0	162.1	191.8	221.4	250.9
105°	233.1	247.2	261.4	275.5	289.6	303.7	317.8	332.0	379.5	426.7	474.2
107.5°	426.3	448.5	470.8	493.2	515.5	537.8	560.1	582.6	628.7	675.1	721.2
110°	648.6	669.9	691.1	712.5	733.6	755.0	776.4	797.9	825.7	853.4	881.3



TEST NUMBER: P1444401  
 CATALOG NUMBER: EHBR1-42-UNV-TA-L840-UPL24

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	807.7	818.0	828.5	839.0	849.4	860.0	870.4	881.0	895.0	908.9	923.0
115°	856.4	857.0	858.0	858.7	859.6	860.3	861.4	862.3	866.9	871.4	876.1
117.5°	816.7	811.0	805.6	799.8	794.4	789.1	783.8	778.6	777.9	777.2	776.8
120°	735.8	728.2	720.7	713.2	706.0	698.6	691.7	684.5	681.1	677.6	674.3
122.5°	638.6	631.1	623.9	616.5	609.3	602.3	595.4	588.4	586.1	583.9	581.8
125°	547.6	541.4	535.4	529.4	523.8	517.9	512.5	506.8	507.1	507.3	507.8
127.5°	474.9	471.2	467.7	464.2	461.1	457.8	454.8	451.6	453.8	456.0	458.2
130°	425.6	424.1	423.0	421.6	420.9	419.7	418.8	417.9	421.6	424.7	428.3
132.5°	397.6	397.5	397.7	397.9	398.5	398.9	399.7	400.1	404.0	407.7	411.7
135°	382.9	383.5	384.6	385.5	387.0	388.1	389.6	390.7	394.6	398.2	402.0
137.5°	377.8	378.7	380.0	381.2	382.9	384.2	386.1	387.6	390.6	393.6	396.6
140°	377.6	378.3	379.5	380.6	381.9	383.1	384.7	386.0	388.7	391.0	393.4
142.5°	378.1	378.7	379.8	380.9	382.1	383.2	384.6	385.7	387.7	389.4	391.6
145°	382.0	382.5	383.4	384.2	385.1	386.1	387.2	388.2	389.5	390.7	392.0
147.5°	383.1	383.5	384.1	384.8	385.6	386.2	387.0	387.7	388.8	389.6	390.6
150°	382.4	382.6	383.0	383.3	383.9	384.4	385.0	385.5	386.2	387.1	387.9
152.5°	378.6	378.7	379.1	379.4	379.8	380.3	380.6	381.2	381.9	382.5	383.3
155°	375.8	376.4	376.9	377.3	378.0	378.2	378.9	379.3	379.9	380.5	381.1
157.5°	375.2	375.4	376.2	376.5	377.1	377.5	378.0	378.4	379.1	379.5	380.0
160°	374.1	374.8	375.3	376.2	376.8	377.4	378.0	378.7	379.3	379.7	380.2
162.5°	376.4	376.9	377.4	377.8	378.3	378.9	379.3	379.8	380.7	381.0	381.9
165°	377.7	378.2	379.1	379.4	380.3	380.9	381.5	382.1	382.5	383.1	383.5
167.5°	381.3	381.8	382.6	383.2	383.8	384.4	385.0	385.6	386.1	386.4	387.0
170°	383.4	384.0	384.5	385.1	385.6	386.1	386.7	387.3	387.9	388.3	389.0
172.5°	387.9	388.3	388.7	389.0	389.4	390.0	390.4	390.7	391.2	391.7	392.0
175°	391.4	391.4	391.5	391.7	391.8	391.8	391.9	392.2	392.3	392.5	392.6
177.5°	393.2	393.3	393.5	393.6	393.8	393.9	394.1	394.2	394.2	394.2	394.2
180°	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4



TEST NUMBER: P1444401  
 CATALOG NUMBER: EHBR1-42-UNV-TA-L840-UPL24

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8
2.5°	36455.6	36457.2	36427.7	36426.1	36398.6	36395.1	36368.3	36360.1	36338.3	36330.5	36308.3
5°	37561.6	37525.8	37443.0	37394.3	37312.5	37258.3	37169.8	37112.1	37026.7	36962.3	36876.3
7.5°	38680.2	38624.6	38531.7	38456.4	38342.9	38252.3	38119.5	38010.6	37866.9	37742.4	37591.3
10°	39008.3	38999.8	38976.1	38941.5	38888.8	38829.4	38739.0	38644.8	38518.7	38381.9	38213.9
12.5°	38201.0	38288.2	38407.1	38477.5	38563.3	38600.8	38635.9	38627.1	38604.0	38534.7	38437.7
15°	36156.2	36401.2	36725.5	36976.8	37266.0	37476.2	37708.2	37852.9	37997.1	38063.7	38104.5
17.5°	32903.3	33367.1	33948.7	34430.6	34986.7	35433.4	35922.9	36291.5	36670.5	36942.1	37187.7
20°	28725.0	29396.9	30219.4	30946.0	31791.0	32525.2	33329.8	33990.4	34671.6	35204.2	35708.3
22.5°	24192.9	24990.9	25985.4	26906.5	27995.7	28974.6	30079.0	31040.3	32043.9	32882.5	33693.1
25°	19736.3	20611.5	21698.8	22726.5	23960.1	25098.8	26408.7	27606.6	28903.9	30030.1	31142.7
27.5°	15666.8	16526.1	17636.2	18730.2	20034.6	21247.9	22651.3	23971.2	25448.3	26810.3	28203.8
30°	12322.1	13050.9	14046.3	15105.9	16392.4	17627.1	19045.7	20403.2	21939.8	23427.0	24996.5
32.5°	9762.5	10317.6	11100.2	11996.2	13183.3	14358.6	15709.4	17019.8	18533.0	20035.3	21667.6
35°	7753.2	8186.2	8782.8	9482.1	10487.3	11500.5	12695.2	13887.0	15298.7	16724.3	18310.8
37.5°	6113.8	6465.2	6932.4	7457.7	8264.0	9095.4	10075.2	11063.2	12289.8	13553.5	14991.3
40°	4774.2	5058.7	5422.5	5814.2	6423.0	7063.7	7821.4	8587.5	9573.0	10605.8	11795.8
42.5°	3750.6	3960.4	4217.3	4503.6	5071.6	5411.8	5925.6	6479.7	7204.3	7953.9	8848.6
45°	3012.0	3155.1	3333.3	3525.3	3789.0	4077.5	4429.4	4798.4	5486.6	5824.3	6368.4
47.5°	2515.3	2611.4	2724.8	2845.8	3001.3	3169.1	3377.7	3591.1	3867.1	4153.0	4488.3
50°	2180.9	2278.5	2317.5	2380.1	2470.1	2566.0	2683.6	2801.3	2949.3	3099.2	3271.9
52.5°	1932.5	1964.3	2006.7	2046.6	2102.4	2211.4	2246.7	2308.2	2391.2	2472.4	2563.1
55°	1742.9	1763.7	1791.2	1815.3	1849.0	1881.2	1927.7	1968.7	2024.0	2072.9	2133.1
57.5°	1595.3	1608.6	1627.7	1643.5	1665.3	1683.5	1710.8	1733.0	1764.7	1792.4	1828.9
60°	1488.2	1497.0	1509.8	1520.1	1534.0	1543.5	1557.0	1567.4	1584.2	1598.3	1618.6
62.5°	1400.6	1405.1	1413.5	1419.6	1428.3	1433.2	1440.4	1445.0	1454.2	1461.2	1472.6
65°	1295.5	1296.6	1302.2	1304.7	1311.7	1314.2	1320.1	1322.2	1329.9	1335.1	1345.1
67.5°	1209.4	1207.0	1207.2	1205.1	1206.1	1204.0	1204.5	1202.4	1205.6	1207.2	1214.7
70°	1130.8	1127.5	1126.3	1122.7	1121.7	1118.0	1116.9	1113.5	1113.1	1112.0	1114.7
72.5°	1054.2	1053.2	1053.5	1051.0	1050.7	1048.1	1048.3	1046.7	1048.5	1049.3	1052.7
75°	966.1	966.3	968.0	965.8	966.4	964.3	965.1	963.1	964.2	963.8	967.2
77.5°	858.9	861.4	866.0	865.1	866.6	864.2	865.2	862.5	863.3	861.4	862.7
80°	738.3	743.6	749.9	749.6	752.3	750.6	752.9	750.3	751.4	748.2	747.4
82.5°	595.1	599.6	606.3	606.6	612.5	613.5	620.0	619.8	624.0	621.2	619.4
85°	406.8	409.9	415.8	419.0	425.0	428.7	435.1	437.6	433.1	441.3	434.8
87.5°	212.4	220.4	215.9	226.2	223.8	234.2	232.0	241.6	239.7	248.0	246.9
90°	75.6	76.6	83.1	84.6	92.4	94.6	98.6	96.0	99.6	97.3	101.0
92.5°	63.3	67.9	72.1	76.4	80.6	85.0	80.9	77.0	73.1	69.2	65.2
95°	85.6	91.8	98.0	104.2	110.4	116.6	110.0	103.4	96.8	90.1	83.3
97.5°	100.3	107.1	113.7	120.4	127.1	133.8	125.9	118.1	110.2	102.4	94.4
100°	140.9	153.9	166.8	179.7	192.6	205.5	190.9	176.3	161.7	147.0	132.4
102.5°	280.7	310.2	339.9	369.6	399.2	428.8	397.8	366.8	335.6	304.6	273.3
105°	521.7	569.1	616.4	663.9	711.2	759.0	708.4	658.1	607.5	557.3	506.6
107.5°	767.6	813.8	860.3	906.4	952.8	999.2	948.2	896.9	845.9	794.7	743.5
110°	909.2	937.1	965.0	993.1	1020.9	1049.0	1011.6	974.4	937.2	899.8	862.5



TEST NUMBER: P1444401  
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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°	937.0	951.3	965.2	979.5	993.6	1007.8	981.3	954.7	928.1	901.6	874.9
115°	880.8	885.5	890.1	895.0	899.5	904.4	886.5	868.6	851.0	833.1	815.1
117.5°	776.3	776.0	775.3	775.2	774.5	774.1	764.3	754.6	744.6	734.8	724.8
120°	670.9	667.6	664.2	660.9	657.5	654.0	650.1	646.3	642.0	638.1	633.9
122.5°	579.6	577.6	575.3	573.2	570.9	568.6	567.3	566.0	564.6	563.3	561.7
125°	508.2	508.4	508.8	509.2	509.4	509.7	509.1	508.7	508.1	507.7	507.0
127.5°	460.2	462.4	464.4	466.6	468.4	470.5	470.5	470.8	470.8	471.0	471.0
130°	431.4	435.1	438.3	441.4	444.5	448.0	447.7	447.7	447.5	447.5	447.3
132.5°	415.5	419.2	422.9	426.7	430.3	433.9	433.7	433.6	433.1	433.1	432.8
135°	405.5	409.3	412.6	416.3	419.5	423.1	422.6	422.4	421.8	421.7	421.2
137.5°	399.4	402.6	405.3	408.2	410.8	413.7	413.2	412.9	412.4	412.1	411.6
140°	395.7	398.2	400.3	402.7	404.9	407.1	406.4	405.9	405.1	404.6	403.7
142.5°	393.3	395.2	396.7	398.8	400.4	402.2	400.9	399.9	398.9	397.8	396.6
145°	393.3	394.6	395.8	397.0	397.9	399.3	397.7	396.6	395.0	393.9	392.5
147.5°	391.3	392.3	392.8	393.8	394.2	395.2	393.8	392.5	391.2	389.8	388.4
150°	388.5	389.4	390.0	390.7	391.3	392.0	390.5	389.1	387.6	386.1	384.6
152.5°	384.0	384.6	385.2	385.7	386.3	386.9	385.4	384.2	382.7	381.2	379.8
155°	381.4	382.1	382.3	382.9	383.0	383.4	382.0	381.1	379.8	378.6	377.2
157.5°	380.4	381.0	381.4	381.6	381.9	382.3	381.3	380.6	379.5	378.7	377.6
160°	380.6	381.0	381.4	381.7	382.1	382.2	381.4	380.9	380.1	379.2	378.3
162.5°	382.3	383.0	383.4	383.8	384.3	384.8	383.8	383.1	382.1	381.2	380.1
165°	383.9	384.3	384.7	385.1	385.2	385.6	385.0	384.5	383.8	383.2	382.5
167.5°	387.3	387.8	388.1	388.5	388.6	388.9	388.2	387.9	387.1	386.5	385.7
170°	389.3	389.7	390.3	390.6	391.0	391.2	390.9	390.4	389.8	389.3	388.7
172.5°	392.5	392.9	393.1	393.4	393.6	394.0	393.5	392.9	392.4	391.8	391.2
175°	392.6	392.7	393.0	393.0	393.0	393.1	392.7	392.2	391.8	391.3	390.9
177.5°	394.2	394.2	394.2	394.1	394.1	394.1	393.8	393.5	393.2	392.9	392.4
180°	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4



TEST NUMBER: P1444401  
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**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8	36073.8
2.5°	36300.3	36284.5	36274.4	36261.4	36253.6	36243.5	36236.1	36229.9	36224.8	36220.1	36216.6
5°	36810.7	36729.6	36666.7	36598.4	36542.4	36486.5	36443.6	36407.8	36383.2	36364.8	36353.8
7.5°	37460.6	37312.1	37180.0	37041.0	36916.4	36793.8	36688.1	36597.1	36528.8	36484.5	36457.7
10°	38041.0	37842.2	37645.6	37438.6	37242.3	37052.0	36876.3	36721.7	36599.5	36518.1	36470.7
12.5°	38301.2	38131.8	37931.0	37706.2	37465.8	37222.4	36985.2	36771.3	36591.8	36471.3	36401.8
15°	38072.1	38002.5	37866.3	37691.8	37463.6	37212.0	36933.5	36671.7	36431.0	36274.8	36184.3
17.5°	37326.7	37423.8	37413.3	37346.6	37182.6	36970.8	36686.9	36393.0	36091.7	35883.1	35769.0
20°	36068.9	36374.0	36528.8	36608.2	36543.8	36406.5	36149.5	35851.1	35500.1	35227.6	35061.2
22.5°	34301.4	34840.0	35175.7	35421.3	35473.4	35426.7	35199.8	34915.9	34524.7	34197.0	33951.4
25°	32025.9	32815.1	33345.5	33761.5	33923.0	33964.8	33771.6	33489.4	33053.2	32671.6	32334.3
27.5°	29345.8	30371.2	31079.4	31638.3	31890.6	31999.9	31822.2	31534.3	31018.3	30562.7	30122.1
30°	26328.4	27545.0	28397.8	29067.9	29375.4	29519.9	29331.1	29009.8	28409.2	27861.1	27306.0
32.5°	23098.9	24430.2	25359.5	26087.2	26391.9	26527.9	26280.9	25920.0	25225.8	24580.0	23932.8
35°	19717.7	21061.4	21998.6	22706.9	22962.2	23044.2	22728.4	22311.2	21542.1	20833.4	20127.5
37.5°	16267.6	17517.8	18369.5	19005.2	19163.2	19177.4	18796.9	18336.1	17527.7	16828.9	16126.2
40°	12847.3	13901.6	14589.3	15098.2	15153.0	15104.0	14690.3	14226.6	13470.5	12844.4	12227.5
42.5°	9625.6	10421.5	10912.0	11260.7	11240.1	11143.4	10764.1	10365.4	9741.6	9264.7	8779.2
45°	6865.4	7390.2	7677.1	7881.1	7815.6	7723.5	7428.3	7148.9	6724.9	6416.9	6090.6
47.5°	4769.5	5396.1	5287.1	5686.0	5342.3	5569.3	5096.6	4835.9	4610.9	4447.3	4262.9
50°	3414.6	3558.1	3627.6	3674.9	3649.7	3614.8	3529.9	3454.0	3351.2	3276.3	3188.9
52.5°	2637.0	2708.8	2748.1	2776.6	2770.9	2758.2	2721.2	2687.4	2639.2	2607.6	2569.3
55°	2233.6	2234.7	2307.0	2276.0	2321.8	2268.1	2289.2	2229.8	2239.4	2188.3	2153.9
57.5°	1856.1	1885.5	1898.7	1911.6	1907.9	1905.7	1891.4	1884.1	1868.0	1863.0	1851.5
60°	1632.7	1648.0	1651.2	1657.2	1652.1	1650.3	1639.1	1635.1	1624.3	1622.3	1614.6
62.5°	1479.5	1487.4	1487.4	1487.4	1480.9	1474.8	1462.3	1455.8	1446.6	1444.6	1440.1
65°	1351.7	1359.8	1361.1	1362.9	1358.2	1353.4	1342.4	1335.3	1325.8	1322.2	1317.1
67.5°	1219.7	1228.4	1231.3	1235.7	1233.1	1232.1	1224.6	1221.8	1215.5	1214.0	1209.4
70°	1116.1	1119.7	1119.4	1119.3	1113.4	1108.2	1099.5	1095.4	1088.8	1087.5	1083.2
72.5°	1054.4	1057.0	1055.4	1053.1	1045.5	1037.8	1027.6	1020.1	1011.5	1006.2	1000.1
75°	967.6	971.1	968.8	967.4	960.6	955.5	947.4	943.2	937.2	935.4	931.3
77.5°	861.1	862.7	859.3	858.9	853.6	850.4	844.2	843.2	838.8	838.9	834.9
80°	742.5	741.6	736.0	735.0	729.7	728.4	723.6	723.9	720.3	721.8	719.0
82.5°	610.9	607.6	600.3	598.1	592.1	591.6	588.3	591.1	589.0	592.1	590.3
85°	437.8	438.8	435.6	435.6	433.9	434.4	434.1	436.1	436.4	439.3	439.2
87.5°	244.1	247.6	246.9	250.1	250.0	253.7	254.8	260.1	260.8	265.8	265.8
90°	98.6	102.8	100.4	104.7	103.8	109.0	109.0	114.2	113.5	118.0	116.1
92.5°	61.2	57.3	53.5	49.4	47.4	45.2	43.8	41.3	39.6	37.3	35.3
95°	76.7	70.0	63.4	56.7	54.4	52.1	49.7	47.5	45.2	43.0	40.7
97.5°	86.6	78.7	70.8	63.0	60.9	59.0	56.9	55.0	53.0	51.1	49.0
100°	117.6	102.9	88.4	73.6	71.8	70.2	68.5	66.9	65.2	63.4	61.6
102.5°	242.3	211.1	179.8	148.6	142.7	136.8	130.9	124.8	119.0	113.0	107.1
105°	456.2	405.5	355.1	304.4	288.4	272.3	256.2	240.0	224.0	208.0	191.8
107.5°	692.3	640.9	589.7	538.3	508.8	479.1	449.4	419.4	390.0	360.0	330.3
110°	825.2	787.7	750.3	712.8	689.0	665.1	641.1	617.2	593.5	569.4	545.4



TEST NUMBER: P1444401  
 CATALOG NUMBER: EHBR1-42-UNV-TA-L840-UPL24

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	848.2	821.5	794.7	767.7	757.2	746.3	735.7	724.8	713.9	702.9	692.1
115°	797.1	779.3	761.1	742.9	739.4	735.6	731.9	728.0	724.3	720.3	716.4
117.5°	715.0	704.9	694.9	684.8	685.4	686.2	687.0	687.6	688.2	688.7	689.2
120°	629.7	625.6	621.5	617.2	620.8	624.1	627.7	630.8	634.3	637.3	640.4
122.5°	560.4	558.8	557.5	555.8	560.1	564.2	568.3	572.3	576.2	579.9	583.6
125°	506.6	505.9	505.4	504.5	508.9	513.1	517.3	521.1	525.3	528.9	532.7
127.5°	471.3	471.3	471.5	471.4	474.7	477.6	480.6	483.3	486.3	488.8	491.4
130°	447.2	446.9	447.0	446.7	449.6	452.3	455.3	457.7	460.4	462.5	464.8
132.5°	432.7	432.3	432.1	431.7	434.1	436.0	438.2	439.8	441.7	443.1	444.7
135°	420.9	420.2	420.0	419.4	421.6	423.6	425.5	427.1	428.8	430.0	431.3
137.5°	411.3	410.8	410.3	409.8	411.7	413.5	415.2	416.7	418.1	419.4	420.5
140°	403.3	402.5	402.0	401.2	402.9	404.4	406.0	407.3	408.7	409.7	410.8
142.5°	395.6	394.3	393.5	392.3	393.5	394.7	395.8	396.8	397.9	398.7	399.3
145°	391.2	389.6	388.5	387.0	388.1	388.9	389.9	390.7	391.3	391.7	392.4
147.5°	387.3	385.6	384.2	382.8	383.8	384.4	384.9	385.4	386.1	386.4	386.7
150°	383.1	381.4	379.9	378.4	378.9	379.4	379.8	380.4	380.8	381.0	381.3
152.5°	378.2	376.8	375.1	373.5	373.9	374.2	374.5	374.7	375.0	375.2	375.3
155°	376.1	374.6	373.3	371.7	372.2	372.3	372.5	372.7	372.7	372.8	372.8
157.5°	376.6	375.2	374.4	373.1	373.1	373.1	373.2	372.8	372.8	372.5	372.3
160°	377.6	376.5	375.5	374.5	374.3	374.3	374.3	373.9	373.8	373.4	373.1
162.5°	379.1	378.0	376.9	375.7	375.5	375.5	375.4	375.0	374.9	374.5	374.3
165°	381.9	381.0	380.2	379.3	379.2	378.9	378.8	378.2	378.0	377.4	377.0
167.5°	385.0	384.2	383.3	382.3	382.3	382.3	382.2	381.9	381.9	381.4	381.4
170°	388.1	387.4	386.7	386.0	385.7	385.6	385.3	385.0	384.6	384.4	384.0
172.5°	390.5	389.9	389.2	388.3	388.3	388.2	387.9	387.8	387.4	387.1	387.0
175°	390.3	389.9	389.1	388.7	388.6	388.5	388.3	388.2	387.9	387.8	387.5
177.5°	392.1	391.8	391.3	391.0	390.8	390.8	390.7	390.6	390.6	390.4	390.3
180°	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4	392.4



TEST NUMBER: P1444401  
 CATALOG NUMBER: EHBR1-42-UNV-TA-L840-UPL24

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	36073.8	36073.8
2.5°	36213.4	36211.6
5°	36348.0	36345.9
7.5°	36450.4	36449.8
10°	36462.5	36468.8
12.5°	36389.8	36394.8
15°	36177.3	36187.3
17.5°	35771.2	35784.2
20°	35071.4	35084.9
22.5°	33938.2	33943.9
25°	32290.7	32267.3
27.5°	30044.7	30004.4
30°	27189.4	27150.5
32.5°	23785.2	23760.8
35°	19953.1	19937.7
37.5°	15918.6	15887.3
40°	12002.0	11910.7
42.5°	8566.7	8406.7
45°	5920.3	5730.6
47.5°	4133.0	4015.7
50°	3132.7	3094.9
52.5°	2552.6	2543.8
55°	2153.8	2149.9
57.5°	1854.0	1852.7
60°	1618.6	1618.2
62.5°	1443.1	1443.8
65°	1319.5	1319.7
67.5°	1210.6	1209.8
70°	1084.8	1083.9
72.5°	998.2	996.7
75°	931.3	930.4
77.5°	836.2	834.6
80°	720.8	719.0
82.5°	592.9	590.8
85°	442.2	442.3
87.5°	270.6	270.4
90°	120.3	117.9
92.5°	33.7	32.0
95°	38.4	36.1
97.5°	47.1	45.1
100°	60.0	58.3
102.5°	101.2	95.2
105°	175.8	159.7
107.5°	300.6	270.9
110°	521.5	497.5



TEST NUMBER: P1444401  
CATALOG NUMBER: EHBR1-42-UNV-TA-L840-UPL24

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	681.1	670.2
115°	712.3	708.3
117.5°	689.7	689.9
120°	643.1	646.2
122.5°	587.0	590.5
125°	536.1	539.5
127.5°	493.5	495.6
130°	466.4	468.4
132.5°	445.7	446.7
135°	432.2	433.2
137.5°	421.2	422.0
140°	411.3	411.9
142.5°	399.8	400.1
145°	392.6	392.9
147.5°	386.4	386.6
150°	381.2	381.2
152.5°	375.1	375.2
155°	372.6	372.5
157.5°	371.8	371.6
160°	372.7	372.4
162.5°	373.7	373.5
165°	376.4	375.8
167.5°	380.8	380.7
170°	383.6	383.3
172.5°	386.5	386.2
175°	387.4	387.3
177.5°	390.3	390.0
180°	392.4	392.4



TEST NUMBER: P1444401  
 CATALOG NUMBER: EHBR1-42-UNV-TA-L840-UPL24

**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	17.36	18.44	17.83	18.88	19.36	15.73	16.82	16.21	17.26	17.73
	3H	18.91	19.87	19.40	20.33	20.85	18.17	19.13	18.66	19.59	20.11
	4H	19.70	20.60	20.21	21.08	21.61	19.28	20.18	19.79	20.66	21.19
	6H	20.47	21.30	20.99	21.79	22.33	20.32	21.15	20.85	21.64	22.19
	8H	20.78	21.57	21.32	22.08	22.63	20.76	21.55	21.30	22.06	22.61
	12H	21.03	21.78	21.57	22.28	22.86	21.12	21.86	21.66	22.37	22.95
4H	2H	17.73	18.64	18.25	19.11	19.65	16.45	17.35	16.96	17.82	18.36
	3H	19.61	20.35	20.13	20.88	21.43	19.07	19.82	19.59	20.34	20.89
	4H	20.61	21.28	21.15	21.82	22.41	20.33	21.00	20.87	21.53	22.12
	6H	21.57	22.14	22.14	22.70	23.31	21.51	22.09	22.08	22.65	23.26
	8H	21.95	22.49	22.53	23.05	23.67	22.01	22.55	22.58	23.11	23.72
	12H	22.26	22.74	22.85	23.33	23.95	22.42	22.90	23.01	23.49	24.11
8H	4H	20.99	21.53	21.56	22.09	22.70	20.74	21.28	21.32	21.84	22.45
	6H	22.14	22.58	22.75	23.19	23.81	22.09	22.53	22.70	23.14	23.76
	8H	22.65	23.04	23.28	23.66	24.30	22.69	23.09	23.32	23.71	24.34
	12H	23.08	23.43	23.70	24.03	24.74	23.22	23.56	23.84	24.16	24.87
12H	4H	21.03	21.51	21.62	22.10	22.72	20.80	21.27	21.39	21.87	22.48
	6H	22.25	22.65	22.88	23.27	23.90	22.20	22.60	22.83	23.22	23.85
	8H	22.84	23.19	23.46	23.79	24.50	22.88	23.22	23.49	23.82	24.53

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

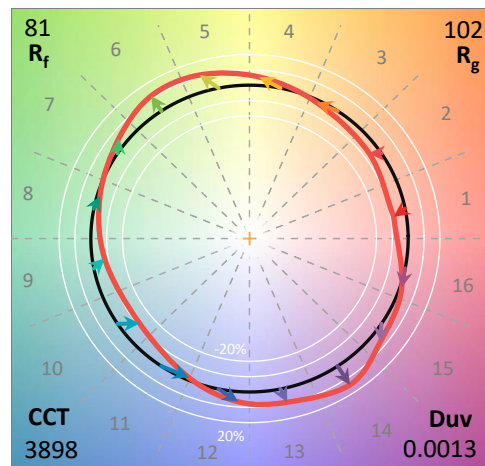
**Test Information**

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

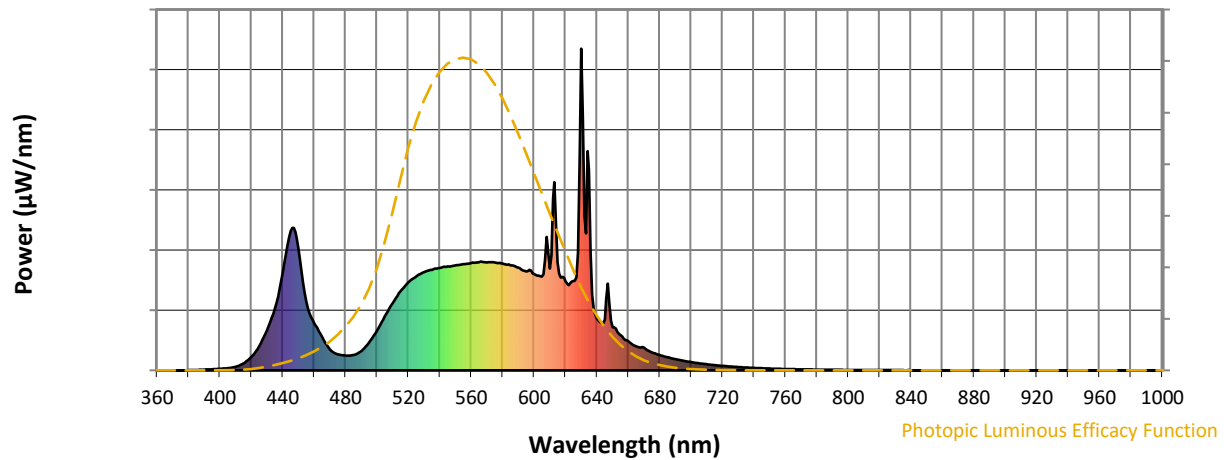


CCT = 3898K  
 CIE x = 0.3861  
 CIE y = 0.3831  
 Duv = 0.0013

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-1

**Photopic Flux vs. Wavelength**



**Photopic Lumens: NR**

λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	60	NR	620	277	NR	750	6	NR	880	0	NR
365	0	NR	495	87	NR	625	278	NR	755	5	NR	885	0	NR
370	0	NR	500	124	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	168	NR	635	623	NR	765	4	NR	895	0	NR
380	1	NR	510	209	NR	640	162	NR	770	3	NR	900	0	NR
385	1	NR	515	246	NR	645	158	NR	775	3	NR	905	0	NR
390	2	NR	520	273	NR	650	134	NR	780	2	NR	910	0	NR
395	4	NR	525	292	NR	655	109	NR	785	2	NR	915	0	NR
400	5	NR	530	305	NR	660	91	NR	790	2	NR	920	0	NR
405	7	NR	535	313	NR	665	75	NR	795	2	NR	925	0	NR
410	11	NR	540	319	NR	670	70	NR	800	1	NR	930	0	NR
415	21	NR	545	323	NR	675	56	NR	805	1	NR	935	0	NR
420	42	NR	550	326	NR	680	47	NR	810	1	NR	940	0	NR
425	76	NR	555	330	NR	685	41	NR	815	1	NR	945	0	NR
430	125	NR	560	333	NR	690	35	NR	820	1	NR	950	0	NR
435	193	NR	565	336	NR	695	30	NR	825	1	NR	955	0	NR
440	302	NR	570	336	NR	700	26	NR	830	1	NR	960	0	NR
445	432	NR	575	335	NR	705	22	NR	835	1	NR	965	0	NR
450	380	NR	580	332	NR	710	19	NR	840	0	NR	970	0	NR
455	213	NR	585	326	NR	715	16	NR	845	0	NR	975	0	NR
460	147	NR	590	319	NR	720	14	NR	850	0	NR	980	0	NR
465	104	NR	595	307	NR	725	12	NR	855	0	NR	985	0	NR
470	65	NR	600	299	NR	730	10	NR	860	0	NR	990	0	NR
475	50	NR	605	291	NR	735	9	NR	865	0	NR	995	0	NR
480	46	NR	610	317	NR	740	8	NR	870	0	NR	1000	0	NR
485	47	NR	615	336	NR	745	7	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-1

**Scotopic Flux vs. Wavelength**



**Scotopic Lumens: NR**

**S/P: 1.55**

λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	60	NR	620	277	NR	750	6	NR	880	0	NR
365	0	NR	495	87	NR	625	278	NR	755	5	NR	885	0	NR
370	0	NR	500	124	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	168	NR	635	623	NR	765	4	NR	895	0	NR
380	1	NR	510	209	NR	640	162	NR	770	3	NR	900	0	NR
385	1	NR	515	246	NR	645	158	NR	775	3	NR	905	0	NR
390	2	NR	520	273	NR	650	134	NR	780	2	NR	910	0	NR
395	4	NR	525	292	NR	655	109	NR	785	2	NR	915	0	NR
400	5	NR	530	305	NR	660	91	NR	790	2	NR	920	0	NR
405	7	NR	535	313	NR	665	75	NR	795	2	NR	925	0	NR
410	11	NR	540	319	NR	670	70	NR	800	1	NR	930	0	NR
415	21	NR	545	323	NR	675	56	NR	805	1	NR	935	0	NR
420	42	NR	550	326	NR	680	47	NR	810	1	NR	940	0	NR
425	76	NR	555	330	NR	685	41	NR	815	1	NR	945	0	NR
430	125	NR	560	333	NR	690	35	NR	820	1	NR	950	0	NR
435	193	NR	565	336	NR	695	30	NR	825	1	NR	955	0	NR
440	302	NR	570	336	NR	700	26	NR	830	1	NR	960	0	NR
445	432	NR	575	335	NR	705	22	NR	835	1	NR	965	0	NR
450	380	NR	580	332	NR	710	19	NR	840	0	NR	970	0	NR
455	213	NR	585	326	NR	715	16	NR	845	0	NR	975	0	NR
460	147	NR	590	319	NR	720	14	NR	850	0	NR	980	0	NR
465	104	NR	595	307	NR	725	12	NR	855	0	NR	985	0	NR
470	65	NR	600	299	NR	730	10	NR	860	0	NR	990	0	NR
475	50	NR	605	291	NR	735	9	NR	865	0	NR	995	0	NR
480	46	NR	610	317	NR	740	8	NR	870	0	NR	1000	0	NR
485	47	NR	615	336	NR	745	7	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.99

λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	60	NR	620	277	NR	750	6	NR	880	0	NR
365	0	NR	495	87	NR	625	278	NR	755	5	NR	885	0	NR
370	0	NR	500	124	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	168	NR	635	623	NR	765	4	NR	895	0	NR
380	1	NR	510	209	NR	640	162	NR	770	3	NR	900	0	NR
385	1	NR	515	246	NR	645	158	NR	775	3	NR	905	0	NR
390	2	NR	520	273	NR	650	134	NR	780	2	NR	910	0	NR
395	4	NR	525	292	NR	655	109	NR	785	2	NR	915	0	NR
400	5	NR	530	305	NR	660	91	NR	790	2	NR	920	0	NR
405	7	NR	535	313	NR	665	75	NR	795	2	NR	925	0	NR
410	11	NR	540	319	NR	670	70	NR	800	1	NR	930	0	NR
415	21	NR	545	323	NR	675	56	NR	805	1	NR	935	0	NR
420	42	NR	550	326	NR	680	47	NR	810	1	NR	940	0	NR
425	76	NR	555	330	NR	685	41	NR	815	1	NR	945	0	NR
430	125	NR	560	333	NR	690	35	NR	820	1	NR	950	0	NR
435	193	NR	565	336	NR	695	30	NR	825	1	NR	955	0	NR
440	302	NR	570	336	NR	700	26	NR	830	1	NR	960	0	NR
445	432	NR	575	335	NR	705	22	NR	835	1	NR	965	0	NR
450	380	NR	580	332	NR	710	19	NR	840	0	NR	970	0	NR
455	213	NR	585	326	NR	715	16	NR	845	0	NR	975	0	NR
460	147	NR	590	319	NR	720	14	NR	850	0	NR	980	0	NR
465	104	NR	595	307	NR	725	12	NR	855	0	NR	985	0	NR
470	65	NR	600	299	NR	730	10	NR	860	0	NR	990	0	NR
475	50	NR	605	291	NR	735	9	NR	865	0	NR	995	0	NR
480	46	NR	610	317	NR	740	8	NR	870	0	NR	1000	0	NR
485	47	NR	615	336	NR	745	7	NR	875	0	NR			

**Summary**

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



**Color Vector Graphics**



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

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



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)