

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: P1444462

Luminaire Tested: EHBR1-36-UNV-TA-L830-UPL30

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444462
REPORT IS A COMBINATION OF REPORTS P1444340 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-36-UNV-TA-L830-UPL30
Description: Elevate Round Highbay at, 36000 lumens, 3000K 80CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

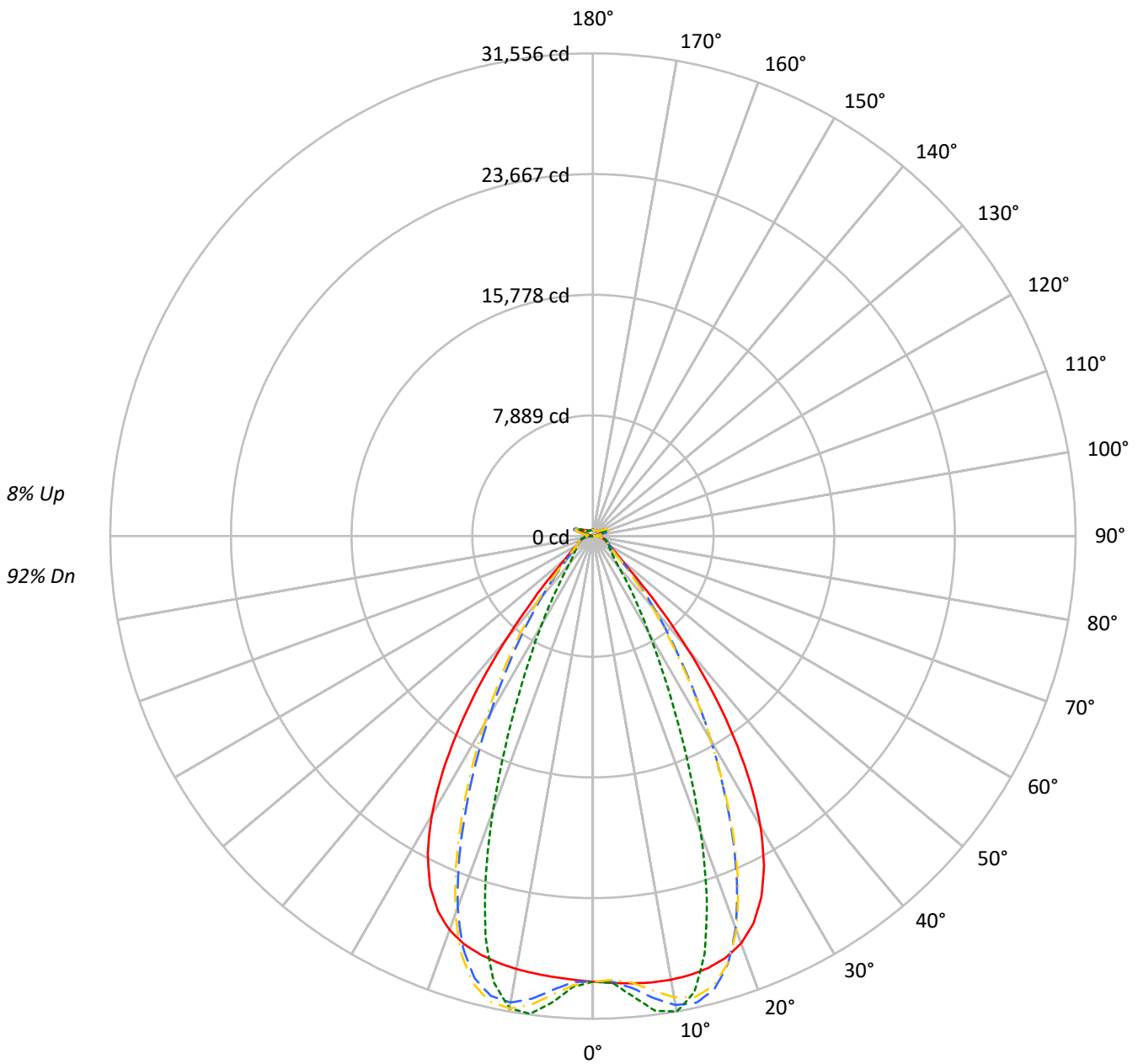
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36581.3 lumens
Efficiency: N/A
Efficacy: 171.4 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): 213.4
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: P1444462
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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	117	117	117	117	113	113	113	113	106	106	106	100	100	100	94	94	94	94	94	94	92
1	110	106	103	101	106	103	101	98	98	96	94	93	91	89	88	86	85	85	85	85	83
2	103	97	92	88	100	95	90	86	90	86	83	86	83	80	82	79	77	77	77	77	75
3	97	89	83	78	94	87	82	77	83	79	75	79	76	73	76	73	71	71	71	71	68
4	91	82	76	71	88	80	74	70	77	72	68	74	70	66	71	68	65	65	65	65	63
5	86	76	69	64	83	74	68	64	72	66	62	69	64	61	67	63	60	60	60	60	58
6	81	71	64	59	79	69	63	58	67	61	57	65	60	56	62	58	55	55	55	55	53
7	76	66	59	54	74	65	58	54	63	57	53	61	56	52	59	54	51	51	51	51	50
8	72	61	55	50	70	61	54	50	59	53	49	57	52	48	55	51	48	48	48	48	46
9	68	58	51	47	67	57	51	46	55	50	46	54	49	45	52	48	45	45	45	45	43
10	65	54	48	44	63	53	47	43	52	47	43	51	46	42	49	45	42	42	42	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	136793	136793	136793	136793
5°	137455	141463	135531	143316
10°	138603	148526	135279	147543
15°	139282	134637	135042	129216
20°	137843	100300	133331	92802
25°	130474	63434	126161	57555
30°	113979	38120	109564	34837
35°	87719	23920	82673	21189
40°	55490	15005	50768	14099
45°	28600	11689	28127	11497
50°	16768	10398	16254	10235
55°	12846	9837	12371	9748
60°	10870	10049	10407	9918
65°	10209	10494	9819	10136
70°	9974	10989	9478	10575
75°	10664	11653	10089	11138
80°	11037	12903	10006	11778
85°	10396	12453	8400	10661

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 43769 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2870.7	7.8
10°-20°	8075.7	22.1
20°-30°	9197.6	25.1
30°-40°	6610.8	18.1
40°-50°	3048.9	8.3
50°-60°	1459.0	4.0
60°-70°	1064.6	2.9
70°-80°	808.8	2.2
80°-90°	372.9	1.0
90°-100°	87.1	0.2
100°-110°	506.6	1.4
110°-120°	936.1	2.6
120°-130°	571.1	1.6
130°-140°	365.2	1.0
140°-150°	269.3	0.7
150°-160°	186.6	0.5
160°-170°	112.1	0.3
170°-180°	38.3	0.1
0°-30°	20144.0	55.1
0°-40°	26754.8	73.1
0°-60°	31262.7	85.5
0°-90°	33509.0	91.6
90°-120°	1529.8	4.2
90°-150°	2735.4	7.5
90°-180°	3072.0	8.4
0°-180°	36581.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	29129	29129	29129	29129	29129	
5°	29349	30205	28938	30600	29349	2805
15°	29221	28246	28331	27109	29221	8233
25°	26056	12668	25194	11494	26056	11812
35°	16100	4390	15173	3889	16100	9881
45°	4627	1891	4551	1860	4627	3936
55°	1736	1329	1672	1317	1736	1602
65°	1066	1095	1025	1058	1066	1064
75°	751	821	711	785	751	781
85°	357	428	289	366	357	336
90°	101	127	33	39	101	63
95°	40	44	40	45	40	38
105°	182	235	122	236	182	241
115°	816	990	855	991	816	753
125°	612	643	692	644	612	557
135°	478	426	515	429	478	373
145°	423	412	450	416	423	267
155°	393	395	419	399	393	183
165°	390	390	404	392	390	111
175°	398	402	406	403	398	38
180°	403	403	403	403	403	



TEST NUMBER: P1444462
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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1
2.5°	29240.4	29238.0	29237.6	29235.5	29235.0	29235.0	29234.0	29231.6	29230.1	29226.8	29223.0
5°	29348.9	29347.6	29348.3	29348.6	29346.5	29341.9	29334.8	29326.1	29315.1	29304.7	29295.5
7.5°	29432.8	29434.8	29437.4	29436.8	29430.5	29419.8	29405.3	29397.0	29401.9	29417.7	29454.1
10°	29448.1	29460.6	29465.5	29464.0	29451.3	29442.1	29445.6	29476.4	29537.9	29619.9	29731.9
12.5°	29388.4	29403.8	29403.2	29398.1	29385.8	29398.3	29443.0	29534.9	29666.6	29828.2	30017.8
15°	29220.7	29240.6	29235.0	29228.4	29220.2	29261.3	29350.6	29510.2	29713.5	29941.4	30174.8
17.5°	28895.2	28919.2	28907.6	28900.1	28893.2	28970.3	29123.7	29357.3	29613.5	29871.3	30092.3
20°	28330.7	28346.7	28319.0	28305.9	28316.9	28468.0	28693.9	28992.3	29262.3	29506.0	29657.2
22.5°	27409.2	27429.2	27377.1	27371.0	27435.4	27667.4	27953.3	28286.8	28540.5	28733.7	28791.9
25°	26055.5	26075.1	26013.2	26050.2	26159.7	26475.6	26816.1	27172.9	27389.4	27532.5	27493.0
27.5°	24228.2	24246.1	24187.4	24263.0	24436.0	24851.3	25252.0	25638.9	25831.9	25932.2	25805.1
30°	21923.7	21961.0	21891.5	21997.0	22261.2	22800.1	23259.3	23693.3	23885.7	23961.9	23764.2
32.5°	19186.5	19239.5	19163.0	19320.0	19688.6	20336.0	20857.6	21342.5	21555.4	21642.5	21419.1
35°	16099.5	16175.5	16087.7	16323.3	16777.9	17498.8	18076.4	18617.8	18869.8	18993.4	18768.3
37.5°	12828.8	12901.3	12853.8	13168.1	13667.2	14414.5	15004.1	15588.1	15872.7	16058.1	15880.6
40°	9617.8	9684.1	9720.0	10079.4	10548.9	11253.3	11819.6	12397.4	12715.8	12948.4	12839.0
42.5°	6788.2	6855.1	6977.3	7324.0	7715.6	8298.7	8783.7	9302.5	9606.7	9854.8	9812.7
45°	4627.4	4705.0	4858.1	5142.1	5425.2	5843.6	6199.7	6603.2	6851.7	7079.0	7081.7
47.5°	3242.7	3297.2	3434.0	3627.9	3812.5	4336.1	4357.7	4556.0	4723.0	4892.9	4914.9
50°	2499.0	2531.9	2604.4	2712.5	2817.2	2953.1	3077.5	3221.2	3324.0	3417.1	3439.4
52.5°	2054.1	2074.9	2111.8	2170.4	2231.1	2305.0	2371.6	2450.5	2506.4	2556.3	2566.8
55°	1736.0	1753.3	1808.2	1819.4	1888.8	1902.2	1931.8	1979.8	2012.3	2042.2	2049.6
57.5°	1496.0	1508.6	1520.3	1545.2	1566.6	1597.7	1622.7	1657.1	1677.6	1699.2	1701.1
60°	1306.7	1315.8	1324.0	1341.4	1355.9	1377.5	1394.8	1418.2	1432.9	1449.1	1451.0
62.5°	1165.8	1172.3	1177.8	1189.2	1199.6	1216.2	1229.9	1249.5	1263.2	1275.7	1278.5
65°	1065.6	1070.4	1073.9	1082.6	1091.6	1105.8	1118.2	1134.2	1144.2	1153.8	1155.9
67.5°	976.9	981.4	985.1	993.0	999.3	1009.8	1018.1	1030.1	1037.7	1045.4	1045.6
70°	875.2	879.4	882.2	889.6	894.7	903.7	910.4	921.2	928.9	937.5	939.6
72.5°	804.8	807.3	811.1	817.7	824.8	834.5	843.4	854.7	864.1	872.9	876.7
75°	751.2	754.1	756.7	762.4	767.3	775.4	782.2	792.4	800.6	810.1	814.7
77.5°	674.0	677.3	679.5	685.2	689.4	697.3	702.3	711.4	718.1	726.8	731.0
80°	580.6	583.8	585.3	590.6	594.0	601.2	606.1	614.9	620.6	629.2	634.2
82.5°	477.1	480.1	480.9	486.1	487.8	493.8	497.4	506.4	513.3	524.6	532.3
85°	357.3	358.3	360.1	358.8	366.0	366.4	374.6	376.1	387.0	389.8	402.0
87.5°	218.4	221.6	223.2	228.2	230.3	235.3	236.9	242.1	245.0	251.1	253.9
90°	101.4	107.1	109.3	115.9	118.0	123.9	125.7	132.3	134.5	141.2	144.7
92.5°	35.0	37.3	39.5	42.1	44.4	47.3	50.0	52.5	54.9	57.7	62.4
95°	39.9	42.5	45.1	47.9	50.5	53.1	55.7	58.5	61.1	63.7	71.4
97.5°	50.0	52.4	54.6	57.0	59.2	61.5	63.8	66.1	68.4	70.6	79.8
100°	65.1	67.1	68.9	70.9	72.9	74.7	76.7	78.7	80.6	82.5	99.6
102.5°	107.5	114.4	121.3	128.1	135.1	141.8	148.8	155.6	162.5	169.4	205.4
105°	182.0	200.6	219.4	238.0	256.7	275.4	294.0	312.5	331.1	349.8	408.7
107.5°	310.6	345.1	379.6	414.2	448.8	483.2	517.8	552.3	586.7	621.0	680.8
110°	573.3	600.9	628.8	656.5	684.4	712.2	740.0	767.4	795.4	823.0	866.6



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	772.9	785.4	798.0	810.6	823.2	835.5	848.1	860.6	873.2	885.6	916.8
115°	815.8	820.2	824.7	828.9	833.4	837.6	842.0	846.3	850.6	854.8	875.9
117.5°	792.6	791.8	791.1	790.3	789.5	788.5	787.8	786.7	785.9	784.9	796.8
120°	739.9	735.9	732.2	728.1	724.3	720.2	716.4	712.3	708.3	704.1	709.2
122.5°	673.1	668.5	664.0	659.1	654.5	649.6	644.9	639.8	635.1	630.2	632.1
125°	611.5	606.8	602.3	597.4	592.6	587.6	582.8	577.9	573.0	567.8	568.8
127.5°	558.2	554.9	551.7	548.0	544.6	541.0	537.4	533.6	530.2	526.3	526.5
130°	524.0	521.1	518.0	514.8	511.7	508.4	505.1	501.6	498.3	494.9	495.2
132.5°	496.2	494.2	492.1	489.7	487.4	484.7	482.4	479.7	477.2	474.6	475.1
135°	478.0	476.0	474.2	472.0	469.9	467.2	464.9	462.4	460.0	457.4	458.1
137.5°	462.7	461.0	459.2	457.0	455.1	452.6	450.6	448.1	445.9	443.4	444.1
140°	448.7	447.1	445.4	443.4	441.7	439.7	437.5	435.4	433.2	431.0	431.9
142.5°	432.9	431.4	430.2	428.6	427.2	425.4	423.8	421.8	420.2	418.2	419.6
145°	422.7	421.6	420.6	419.3	417.9	416.3	414.9	413.1	411.8	410.2	411.4
147.5°	413.7	412.8	412.1	410.9	410.0	408.5	407.3	405.9	404.7	403.3	404.8
150°	406.1	405.2	404.4	403.4	402.3	401.1	399.9	398.8	397.5	396.1	397.5
152.5°	397.7	396.8	396.0	395.1	394.2	392.8	391.8	390.6	389.5	388.3	389.5
155°	393.0	392.2	391.3	390.4	389.4	388.3	387.1	386.1	385.1	383.9	384.8
157.5°	390.4	389.6	388.9	388.0	387.3	386.5	385.6	384.7	383.9	383.0	383.7
160°	389.7	388.9	388.3	387.4	386.6	385.7	385.0	384.1	383.4	382.5	382.9
162.5°	389.1	388.3	387.5	386.8	386.0	385.2	384.4	383.7	382.9	382.0	382.7
165°	390.0	389.5	388.9	388.5	387.9	387.3	386.8	386.1	385.6	385.0	385.4
167.5°	393.9	393.2	392.7	391.9	391.3	390.7	390.0	389.3	388.7	387.9	388.4
170°	395.6	395.0	394.7	394.4	394.0	393.5	393.2	392.8	392.3	391.9	392.3
172.5°	397.9	397.5	397.3	397.1	396.6	396.4	396.1	395.8	395.6	395.1	395.8
175°	398.2	397.8	397.7	397.5	397.4	397.1	397.0	396.8	396.8	396.4	396.8
177.5°	401.0	400.8	400.8	400.7	400.7	400.6	400.5	400.3	400.3	400.3	400.4
180°	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3



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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°	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1
2.5°	29220.2	29216.6	29211.7	29205.6	29200.3	29194.2	29179.6	29175.3	29180.2	29183.4	29190.1
5°	29289.6	29291.6	29292.4	29305.7	29317.1	29345.8	29569.8	29658.9	29727.8	29771.5	29837.9
7.5°	29498.9	29566.3	29632.9	29722.5	29799.8	29904.2	30296.3	30463.2	30581.9	30667.1	30772.1
10°	29853.7	30000.7	30138.6	30300.1	30438.9	30598.0	30962.9	31125.5	31228.2	31302.8	31372.6
12.5°	30211.0	30414.9	30599.2	30778.9	30929.3	31067.1	31195.5	31252.4	31257.2	31259.6	31222.6
15°	30397.1	30592.1	30754.5	30873.4	30961.6	31000.8	30779.7	30663.8	30517.3	30396.6	30198.1
17.5°	30279.7	30396.6	30466.7	30459.8	30423.4	30301.1	29675.2	29331.0	28989.2	28681.2	28277.3
20°	29757.5	29748.6	29687.5	29514.7	29306.4	28982.6	27909.5	27290.4	26691.8	26166.0	25528.2
22.5°	28786.0	28633.1	28420.0	28047.4	27633.4	27067.5	25529.7	24619.1	23785.7	23049.5	22224.8
25°	27378.3	27063.9	26670.8	26079.2	25435.8	24610.6	22715.2	21582.4	20581.9	19714.2	18762.7
27.5°	25576.9	25103.1	24527.2	23708.3	22836.7	21779.4	19678.1	18428.0	17353.9	16423.5	15410.8
30°	23444.1	22828.1	22084.2	21067.9	20016.5	18817.5	16686.2	15420.0	14332.9	13375.7	12362.2
32.5°	21033.9	20312.3	19440.6	18300.0	17163.0	15930.1	13871.9	12646.2	11607.7	10687.0	9769.7
35°	18375.6	17601.8	16679.6	15516.2	14386.0	13187.4	11298.8	10193.6	9276.5	8462.7	7721.9
37.5°	15524.1	14764.2	13887.7	12791.2	11743.2	10657.0	9027.4	8101.4	7331.8	6656.3	6084.4
40°	12559.3	11894.3	11136.0	10188.0	9293.6	8389.1	7051.4	6316.3	5709.0	5193.8	4765.1
42.5°	9630.8	9115.5	8533.9	7784.8	7100.3	6411.6	5382.0	4837.4	4387.5	4016.7	3713.7
45°	6987.5	6642.8	6252.7	5731.9	5258.3	4777.9	4045.1	3662.4	3369.4	3130.3	2928.1
47.5°	4884.6	4684.7	4672.4	4191.2	3843.9	3550.1	3078.0	2836.4	2656.8	2511.9	2383.9
50°	3430.3	3333.6	3213.4	3041.7	2880.5	2714.4	2426.8	2280.7	2175.5	2087.7	2006.8
52.5°	2564.4	2514.2	2450.1	2359.0	2271.7	2178.3	1996.3	1903.3	1870.2	1788.5	1724.4
55°	2048.2	2019.5	1983.0	1929.5	1876.4	1855.2	1699.1	1630.1	1586.3	1554.0	1519.6
57.5°	1701.3	1679.9	1658.3	1622.0	1591.3	1554.0	1471.2	1435.8	1409.8	1390.8	1366.9
60°	1451.2	1438.4	1426.3	1405.1	1388.4	1368.3	1315.8	1295.7	1282.2	1270.7	1255.6
62.5°	1280.9	1274.3	1268.0	1256.7	1248.3	1237.4	1201.4	1191.9	1185.0	1179.3	1170.0
65°	1158.0	1153.2	1149.7	1142.1	1138.0	1131.6	1100.7	1094.3	1090.0	1088.0	1082.6
67.5°	1046.2	1041.2	1039.0	1033.6	1031.9	1027.9	1002.6	999.0	997.6	998.3	996.3
70°	941.7	939.6	940.7	939.9	942.2	943.0	927.6	927.5	929.2	932.4	932.8
72.5°	879.1	879.1	880.2	880.8	883.0	884.2	871.4	870.8	871.5	873.9	874.0
75°	819.5	820.5	823.7	824.8	827.5	828.1	811.2	809.2	809.3	811.7	810.8
77.5°	737.0	740.6	746.7	749.9	755.2	756.1	737.2	734.9	735.0	737.4	735.4
80°	643.4	650.3	660.0	666.8	674.8	678.1	658.6	654.0	649.7	649.0	645.1
82.5°	543.9	552.3	564.1	570.3	578.8	580.7	548.2	542.1	538.4	538.7	535.1
85°	415.3	421.6	432.3	435.7	441.0	440.5	403.4	387.5	391.7	385.2	390.3
87.5°	260.5	264.2	270.9	271.7	274.2	273.7	236.3	228.9	226.8	227.0	224.2
90°	152.3	156.4	163.7	165.4	170.9	172.0	143.2	141.3	137.4	137.4	132.4
92.5°	67.4	72.0	76.9	81.6	86.6	91.3	92.6	96.4	91.8	86.6	82.1
95°	79.2	86.8	94.6	102.4	110.2	117.8	125.6	133.4	126.2	118.9	111.7
97.5°	89.0	98.2	107.3	116.3	125.5	134.7	143.9	153.1	145.3	137.2	129.5
100°	116.6	133.8	150.8	167.9	184.9	202.0	219.1	236.2	221.3	206.0	191.0
102.5°	241.7	277.9	314.2	350.4	386.7	422.9	459.4	495.7	461.2	426.6	392.1
105°	467.5	526.2	585.1	643.6	702.4	761.2	820.3	879.1	824.0	768.9	713.8
107.5°	740.4	800.1	859.5	919.1	978.8	1038.4	1098.5	1158.1	1104.4	1050.3	996.7
110°	910.1	953.6	997.1	1040.4	1083.9	1127.3	1171.5	1215.1	1182.7	1150.4	1118.1



TEST NUMBER: P1444462
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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	947.7	978.9	1009.9	1041.0	1071.9	1103.0	1135.0	1166.3	1150.0	1133.5	1117.5
115°	896.8	917.8	938.7	959.6	980.5	1001.2	1023.4	1044.6	1039.3	1033.9	1028.8
117.5°	808.4	820.0	831.7	843.3	854.8	866.5	879.8	891.6	892.3	893.2	894.1
120°	714.1	719.0	723.8	728.8	733.4	738.2	745.0	750.1	754.4	758.5	762.9
122.5°	634.0	635.7	637.5	639.3	641.1	642.8	646.7	648.9	651.7	654.7	657.6
125°	569.6	570.5	571.3	572.0	572.7	573.5	576.8	578.0	578.1	578.1	578.2
127.5°	526.6	526.7	526.7	526.8	526.7	526.8	529.4	530.0	528.0	526.1	524.1
130°	495.5	495.9	496.2	496.6	496.9	497.3	500.4	501.3	498.0	494.5	491.1
132.5°	475.5	476.0	476.4	477.1	477.4	477.9	481.4	482.5	478.8	474.7	470.9
135°	458.7	459.4	460.0	460.7	461.2	462.1	465.9	467.3	463.8	459.8	456.2
137.5°	444.7	445.3	446.0	446.8	447.5	448.1	452.4	453.9	451.0	447.8	444.9
140°	432.8	433.5	434.4	435.4	436.2	437.3	441.8	443.6	441.4	438.9	436.5
142.5°	420.5	421.9	423.2	424.6	425.9	427.4	432.8	435.0	433.3	431.4	429.7
145°	412.8	414.4	415.9	417.5	419.1	420.8	426.8	429.4	428.3	427.0	425.8
147.5°	405.7	407.2	408.6	410.0	411.5	413.4	419.6	422.1	421.5	420.7	419.9
150°	398.8	400.3	401.6	403.2	404.8	406.5	413.5	416.4	415.7	415.1	414.4
152.5°	390.6	391.9	393.2	394.5	395.9	397.6	405.8	408.8	408.3	407.6	407.0
155°	385.7	386.7	387.6	388.8	389.9	391.2	400.0	402.8	402.5	402.1	401.8
157.5°	384.2	384.9	385.5	386.2	387.0	387.9	396.9	399.8	399.4	399.0	398.8
160°	383.4	384.0	384.3	384.9	385.4	386.1	395.3	398.0	397.7	397.4	397.0
162.5°	383.3	384.1	384.7	385.5	386.2	387.0	396.4	399.4	398.9	398.3	397.8
165°	385.7	386.1	386.5	387.0	387.4	387.9	396.6	399.0	398.9	398.5	398.1
167.5°	388.7	389.2	389.7	390.1	390.6	391.3	399.4	401.8	401.6	401.2	400.9
170°	392.6	393.0	393.3	393.8	394.3	394.9	401.7	403.6	403.3	402.8	402.3
172.5°	396.1	396.8	397.2	397.7	398.2	398.9	404.6	406.4	406.2	405.8	405.2
175°	397.2	397.5	398.0	398.5	398.9	399.3	403.8	405.2	405.1	404.9	404.7
177.5°	400.8	401.0	401.4	401.8	402.1	402.4	405.2	406.1	406.0	406.0	405.9
180°	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3



TEST NUMBER: P1444462
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CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1
2.5°	29191.6	29201.8	29203.4	29215.3	29214.4	29228.6	29226.3	29238.0	29231.2	29240.8	29232.7
5°	29877.2	29939.4	29971.9	30032.6	30051.8	30106.1	30121.4	30170.9	30173.0	30212.3	30203.3
7.5°	30846.6	30938.2	30992.6	31067.6	31105.7	31168.1	31195.7	31241.9	31256.8	31293.5	31296.3
10°	31425.4	31469.9	31501.0	31521.9	31541.0	31549.9	31560.4	31557.6	31560.4	31556.3	31565.3
12.5°	31197.7	31132.7	31089.7	31008.3	30961.2	30871.3	30827.1	30740.6	30709.3	30635.0	30624.3
15°	30044.7	29818.2	29658.2	29425.4	29279.2	29050.2	28916.2	28709.7	28615.3	28451.1	28408.0
17.5°	27943.0	27522.6	27197.2	26779.9	26490.2	26100.2	25854.9	25532.0	25355.1	25094.8	25004.6
20°	24996.5	24374.5	23886.5	23305.0	22889.0	22370.6	22038.8	21620.2	21377.2	21057.4	20927.8
22.5°	21537.3	20762.8	20153.3	19466.5	18964.5	18386.8	17989.2	17536.3	17272.0	16924.5	16770.7
25°	17971.9	17117.8	16440.2	15716.6	15186.1	14607.0	14209.4	13764.5	13490.9	13161.1	13008.3
27.5°	14561.8	13697.3	13042.5	12369.7	11883.1	11360.6	11001.7	10613.4	10370.6	10089.0	9945.2
30°	11552.5	10790.0	10232.8	9674.4	9269.8	8845.3	8547.2	8225.2	8012.2	7771.2	7634.2
32.5°	9100.9	8512.2	8075.8	7632.8	7301.6	6946.9	6689.2	6405.2	6213.0	5997.7	5873.6
35°	7207.8	6750.4	6402.3	6037.7	5753.1	5451.0	5224.0	4978.8	4806.3	4621.0	4513.8
37.5°	5694.9	5331.2	5044.7	4741.8	4508.1	4257.9	4173.6	3892.2	3713.5	3565.6	3463.1
40°	4469.4	4180.2	3943.2	3711.5	3520.9	3331.1	3178.7	3028.5	2913.1	2807.3	2734.1
42.5°	3490.2	3280.6	3107.6	2937.9	2798.9	2660.5	2550.3	2446.7	2368.9	2299.8	2252.6
45°	2774.5	2630.5	2510.2	2390.7	2292.6	2200.2	2126.0	2059.9	2009.7	1968.1	1938.7
47.5°	2279.4	2180.8	2095.9	2015.2	1948.6	1888.1	1838.4	1822.2	1768.2	1731.8	1718.0
50°	1937.1	1877.5	1813.1	1753.6	1709.1	1664.9	1632.6	1601.0	1580.8	1564.0	1559.0
52.5°	1681.8	1636.1	1600.4	1562.6	1533.3	1501.7	1479.5	1458.5	1447.4	1438.6	1437.6
55°	1491.8	1460.0	1436.3	1411.0	1393.4	1374.9	1363.4	1352.2	1347.4	1343.0	1343.3
57.5°	1348.1	1326.8	1311.5	1295.0	1285.5	1276.6	1273.7	1270.9	1272.5	1273.1	1275.6
60°	1243.5	1229.6	1219.9	1210.5	1206.5	1203.7	1205.8	1208.4	1213.4	1217.5	1221.2
62.5°	1163.2	1155.3	1150.6	1145.5	1145.1	1145.3	1149.6	1153.8	1160.2	1165.0	1168.5
65°	1080.7	1076.1	1074.6	1071.3	1073.0	1073.9	1079.1	1082.4	1088.7	1092.5	1097.1
67.5°	997.2	996.1	997.1	997.1	1000.0	1002.5	1007.4	1011.1	1016.5	1020.0	1023.6
70°	935.6	936.0	938.2	938.7	941.8	943.5	947.9	950.2	955.1	958.0	962.5
72.5°	875.6	874.7	875.2	873.8	874.9	874.4	876.9	878.0	882.1	884.3	889.8
75°	811.8	809.1	808.5	805.6	805.7	803.6	804.6	804.4	807.2	808.3	812.1
77.5°	734.8	730.3	728.0	723.2	723.0	721.3	723.2	724.4	729.1	731.4	735.8
80°	642.6	635.5	632.2	626.6	627.5	627.2	632.0	635.6	641.4	642.5	648.0
82.5°	534.0	526.8	523.3	517.9	519.1	519.3	523.6	524.4	529.4	531.6	538.0
85°	382.4	385.2	377.5	378.1	376.5	379.5	382.4	386.0	390.2	397.3	402.7
87.5°	225.2	224.2	227.0	227.2	231.2	233.1	239.4	243.0	250.0	255.5	265.5
90°	131.0	126.2	126.8	124.2	126.5	124.1	126.4	123.6	126.6	125.9	130.3
92.5°	76.7	72.1	66.8	62.2	57.0	52.5	49.7	47.8	45.1	43.3	40.6
95°	104.4	97.1	89.9	82.7	75.5	68.3	65.7	63.0	60.3	57.7	55.1
97.5°	121.7	114.0	106.2	98.4	90.6	82.8	81.0	79.2	77.6	75.8	74.0
100°	175.9	160.9	145.9	130.9	115.9	100.9	99.5	98.1	96.7	95.3	93.8
102.5°	357.7	323.3	288.9	254.4	220.0	185.6	179.6	173.6	167.6	161.6	155.6
105°	658.5	603.3	548.3	493.2	438.1	383.0	366.6	350.0	333.6	317.2	300.7
107.5°	942.9	888.9	835.3	781.6	727.8	674.1	648.1	622.2	596.0	570.1	544.1
110°	1085.5	1053.2	1021.0	988.5	956.4	924.2	899.2	874.6	849.6	824.9	800.1



TEST NUMBER: P1444462
 CATALOG NUMBER: EHBR1-36-UNV-TA-L830-UPL30

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	1101.1	1085.0	1068.6	1052.6	1036.5	1020.3	1008.2	996.1	984.0	971.9	959.7
115°	1023.5	1018.3	1013.1	1008.1	1003.0	997.8	996.8	996.0	995.0	994.2	993.4
117.5°	894.8	895.7	896.4	897.4	898.4	899.3	905.8	912.0	918.5	925.1	931.7
120°	767.1	771.3	775.5	780.0	784.2	788.6	797.0	805.8	814.3	823.2	832.0
122.5°	660.5	663.4	666.2	669.2	672.2	675.2	683.6	692.1	700.6	709.3	718.1
125°	578.1	578.0	578.1	578.0	578.1	578.3	585.2	592.1	599.1	606.4	613.5
127.5°	522.0	519.9	517.9	515.9	513.8	512.0	515.9	520.1	524.1	528.3	532.4
130°	487.7	484.2	480.5	477.3	473.5	470.2	471.6	473.1	474.6	476.3	478.0
132.5°	466.8	462.8	458.7	454.7	450.6	446.6	446.3	446.2	446.0	446.0	446.1
135°	452.3	448.5	444.6	440.7	436.8	433.1	431.9	430.8	429.8	428.7	427.9
137.5°	441.8	438.8	435.7	432.7	429.4	426.4	424.6	423.4	421.8	420.7	419.4
140°	433.9	431.6	429.0	426.5	424.0	421.6	420.1	419.0	417.8	416.7	415.6
142.5°	427.6	425.7	423.9	422.1	420.1	418.3	416.9	415.8	414.7	413.7	412.5
145°	424.5	423.4	422.1	420.8	419.6	418.3	417.1	416.3	415.3	414.5	413.9
147.5°	419.1	418.3	417.5	416.6	415.7	414.9	414.1	413.7	412.8	412.4	411.8
150°	413.6	412.9	412.1	411.5	410.6	409.8	409.3	409.0	408.5	408.4	407.8
152.5°	406.3	405.7	404.9	404.4	403.5	402.8	402.4	402.2	401.8	401.6	401.0
155°	401.2	400.7	400.3	399.8	399.1	398.9	398.3	397.7	397.4	396.9	396.3
157.5°	398.3	397.9	397.4	397.0	396.3	395.9	395.5	395.1	394.5	394.2	393.7
160°	396.6	396.2	395.8	395.3	394.8	394.4	393.7	393.2	392.5	391.9	391.4
162.5°	397.2	396.7	396.1	395.6	394.8	394.3	393.8	393.3	392.9	392.5	391.9
165°	397.6	397.3	396.8	396.4	396.0	395.7	394.9	394.4	393.7	393.1	392.5
167.5°	400.5	400.2	399.8	399.4	398.9	398.5	397.9	397.4	396.7	396.1	395.5
170°	401.9	401.4	401.0	400.3	399.9	399.2	398.8	398.1	397.5	397.1	396.5
172.5°	404.8	404.7	404.2	403.7	403.2	402.7	402.3	401.8	401.3	400.8	400.4
175°	404.6	404.5	404.4	404.0	403.9	403.7	403.5	403.4	403.2	403.1	402.8
177.5°	405.9	405.8	405.8	405.6	405.4	405.4	405.1	404.9	404.7	404.4	404.3
180°	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3



TEST NUMBER: P1444462
 CATALOG NUMBER: EHBR1-36-UNV-TA-L830-UPL30

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1
2.5°	29241.1	29233.7	29237.2	29223.5	29226.8	29210.2	29208.7	29190.1	29188.2	29170.6	29164.1
5°	30231.2	30214.9	30233.2	30204.6	30210.3	30173.0	30169.9	30121.7	30105.1	30044.8	30018.9
7.5°	31319.3	31313.1	31324.4	31300.4	31299.7	31266.4	31252.6	31209.5	31182.8	31119.4	31079.1
10°	31557.6	31563.2	31554.1	31556.3	31543.4	31539.8	31526.5	31518.1	31496.5	31480.1	31455.8
12.5°	30567.8	30573.7	30536.0	30559.9	30541.0	30585.2	30581.6	30633.7	30641.6	30707.5	30732.5
15°	28280.1	28273.0	28200.6	28246.2	28221.7	28318.7	28340.3	28470.8	28540.5	28708.0	28810.8
17.5°	24824.2	24805.5	24703.5	24759.1	24730.9	24873.7	24921.7	25130.3	25260.4	25530.2	25722.4
20°	20704.6	20668.9	20549.5	20614.6	20585.5	20747.8	20816.3	21068.4	21236.1	21593.5	21847.7
22.5°	16533.8	16477.4	16360.5	16421.3	16393.7	16561.9	16651.0	16903.9	17096.1	17463.0	17759.7
25°	12788.5	12738.2	12625.2	12667.8	12657.5	12799.8	12879.0	13118.2	13307.1	13656.6	13939.8
27.5°	9754.1	9701.8	9599.7	9629.7	9619.4	9740.6	9815.3	10015.2	10177.6	10471.8	10720.5
30°	7465.4	7402.2	7315.6	7332.3	7325.2	7423.3	7493.1	7661.4	7800.6	8049.3	8263.6
32.5°	5722.2	5658.8	5579.1	5586.9	5576.4	5653.5	5710.9	5857.3	5978.7	6190.1	6376.6
35°	4378.3	4452.5	4282.5	4390.2	4278.0	4442.6	4383.4	4474.8	4579.3	4757.4	4912.9
37.5°	3365.9	3314.2	3270.4	3265.7	3265.6	3303.7	3348.6	3436.8	3528.8	3661.4	3798.5
40°	2667.3	2631.0	2602.7	2600.7	2602.7	2629.8	2663.1	2723.9	2791.3	2886.7	2987.4
42.5°	2212.2	2188.2	2171.1	2169.9	2175.3	2194.5	2217.7	2253.8	2297.7	2359.4	2428.5
45°	1914.7	1901.3	1891.8	1891.3	1893.7	1903.8	1917.1	1939.6	1967.4	2006.0	2049.6
47.5°	1705.9	1702.7	1696.8	1696.9	1694.2	1698.3	1699.8	1712.5	1727.3	1756.3	1813.5
50°	1553.9	1553.9	1549.8	1549.6	1545.8	1545.5	1542.3	1547.3	1554.1	1572.2	1590.4
52.5°	1433.7	1433.4	1428.9	1428.0	1423.9	1423.7	1420.9	1422.9	1423.8	1432.9	1443.8
55°	1339.9	1337.1	1331.2	1329.4	1327.8	1330.1	1329.0	1329.2	1328.0	1331.7	1335.0
57.5°	1272.5	1268.8	1263.3	1261.7	1261.3	1264.1	1264.2	1263.2	1258.1	1254.6	1249.9
60°	1219.1	1215.5	1209.6	1208.0	1208.9	1212.8	1212.6	1209.3	1201.8	1195.1	1187.6
62.5°	1166.8	1165.3	1162.3	1161.8	1161.1	1161.7	1159.0	1155.5	1148.1	1141.1	1132.8
65°	1096.5	1097.3	1095.0	1095.3	1092.6	1092.2	1088.1	1084.7	1077.2	1070.8	1062.3
67.5°	1023.5	1024.1	1022.2	1022.2	1020.8	1021.0	1018.6	1015.4	1009.0	1003.9	997.3
70°	963.4	964.9	963.9	964.2	962.5	961.8	957.9	954.9	948.3	943.9	938.0
72.5°	891.4	894.7	894.6	895.3	892.7	891.4	886.8	882.9	877.0	873.6	868.8
75°	813.6	817.8	819.1	820.9	817.2	815.3	810.3	807.2	802.3	800.2	797.1
77.5°	737.8	742.4	746.8	751.0	745.0	739.7	733.3	728.5	721.5	718.9	714.1
80°	652.6	660.8	670.6	678.8	668.2	657.4	646.9	639.1	629.9	626.2	620.1
82.5°	541.4	549.8	555.5	560.7	553.3	545.4	535.2	528.4	518.5	514.8	507.8
85°	411.3	421.8	425.2	428.0	423.2	419.0	409.4	396.6	390.3	380.6	375.4
87.5°	270.5	276.8	278.0	279.0	276.0	274.0	267.8	261.8	251.1	243.4	233.8
90°	128.5	131.1	127.2	127.3	125.0	126.7	122.0	121.4	114.1	112.2	105.8
92.5°	38.5	35.9	33.6	31.3	34.1	36.0	38.7	40.6	43.2	45.1	47.8
95°	52.5	49.7	47.1	44.5	46.6	48.7	50.9	52.9	55.1	57.1	59.3
97.5°	72.2	70.5	68.8	67.0	68.2	69.4	70.6	71.8	73.2	74.4	75.7
100°	92.4	91.0	89.5	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
102.5°	149.6	143.6	137.6	131.6	135.6	139.7	143.8	147.8	151.8	155.9	160.1
105°	284.3	267.9	251.5	235.1	250.9	266.9	282.7	298.6	314.5	330.7	346.5
107.5°	518.1	492.2	466.3	440.3	469.4	498.3	527.2	556.1	585.1	614.0	643.1
110°	775.5	750.8	726.1	701.4	732.1	762.8	793.5	824.1	854.9	885.6	916.6



TEST NUMBER: P1444462
 CATALOG NUMBER: EHBR1-36-UNV-TA-L830-UPL30

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	947.7	935.7	923.7	911.7	931.5	951.2	970.9	990.9	1010.7	1030.6	1050.2
115°	992.6	991.9	991.2	990.5	999.8	1009.2	1018.5	1027.9	1037.4	1046.8	1056.2
117.5°	938.1	944.8	951.4	958.2	961.2	964.2	967.2	970.2	973.5	976.6	979.8
120°	840.9	849.5	858.5	867.5	866.3	865.1	863.9	862.7	861.8	860.6	859.8
122.5°	726.9	735.7	744.7	753.6	751.0	748.2	745.7	743.2	740.7	738.4	736.1
125°	620.9	628.2	635.7	643.1	640.5	637.8	635.3	632.9	630.5	628.1	626.0
127.5°	537.0	541.5	546.0	550.7	549.5	548.3	547.2	546.1	545.3	544.5	543.7
130°	479.9	481.7	484.0	486.0	486.3	486.7	487.3	487.9	488.7	489.4	490.4
132.5°	446.3	446.6	447.0	447.5	448.9	450.3	452.0	453.6	455.5	457.3	459.5
135°	427.3	426.7	426.2	425.7	427.9	429.9	432.3	434.5	437.3	439.8	442.6
137.5°	418.3	417.2	416.6	415.6	417.8	419.8	422.2	424.5	427.0	429.8	432.7
140°	414.7	413.8	413.3	412.5	414.7	416.6	419.0	421.2	423.9	426.4	429.2
142.5°	411.8	410.8	410.2	409.6	411.4	413.4	415.5	417.6	420.0	422.3	424.8
145°	413.2	412.4	412.1	411.5	412.8	414.2	415.7	417.4	419.2	420.9	422.8
147.5°	411.3	410.9	410.7	410.4	411.4	412.3	413.6	414.6	415.9	417.2	418.7
150°	407.8	407.5	407.3	407.3	407.9	408.5	409.3	409.9	410.8	411.6	412.8
152.5°	401.0	400.6	400.7	400.6	401.1	401.7	402.4	403.0	403.8	404.5	405.6
155°	396.1	395.8	395.5	395.2	395.3	395.5	395.8	395.9	396.4	396.7	397.1
157.5°	393.4	393.0	392.8	392.4	392.4	392.2	392.3	392.3	392.4	392.2	392.4
160°	390.9	390.1	389.7	389.2	389.3	389.3	389.4	389.4	389.7	389.8	390.0
162.5°	391.5	391.2	390.8	390.4	390.1	389.8	389.6	389.1	388.9	388.6	388.5
165°	391.9	391.3	390.8	390.0	390.0	389.9	389.8	389.6	389.5	389.3	389.4
167.5°	395.0	394.4	393.8	393.2	392.8	392.2	391.9	391.4	391.1	390.6	390.4
170°	396.0	395.5	395.0	394.5	394.4	394.0	393.9	393.6	393.4	393.3	393.3
172.5°	400.1	399.6	399.1	398.8	398.6	398.3	398.2	398.1	397.9	397.9	397.8
175°	402.6	402.4	402.3	402.1	401.8	401.7	401.3	401.1	401.0	400.7	400.5
177.5°	403.9	403.5	403.3	403.2	403.1	403.1	403.1	403.1	403.1	403.0	402.9
180°	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3



TEST NUMBER: P1444462
 CATALOG NUMBER: EHBR1-36-UNV-TA-L830-UPL30

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1
2.5°	29145.1	29137.5	29117.3	29107.4	29088.7	29079.3	29064.8	29055.3	29043.6	29034.8	29030.3
5°	29952.7	29915.4	29840.7	29794.7	29714.1	29661.0	29580.9	29522.2	29439.4	29378.5	29300.3
7.5°	31003.3	30946.1	30850.4	30777.9	30665.0	30578.9	30452.2	30351.0	30211.0	30094.9	29951.9
10°	31431.0	31397.6	31354.7	31308.1	31245.5	31184.3	31097.8	31009.7	30892.2	30775.4	30622.8
12.5°	30798.8	30830.3	30892.2	30921.1	30968.5	30984.6	31006.3	30996.2	30977.0	30929.3	30860.1
15°	29008.4	29139.5	29346.8	29490.2	29691.1	29832.2	30018.9	30139.0	30277.4	30360.1	30438.7
17.5°	26063.2	26316.8	26682.6	26974.4	27366.1	27684.6	28074.9	28381.5	28735.5	29007.1	29296.2
20°	22290.8	22646.0	23150.9	23579.7	24147.3	24628.7	25245.3	25761.9	26364.5	26866.9	27409.0
22.5°	18230.6	18648.5	19227.1	19744.2	20422.1	21027.5	21800.2	22483.2	23297.8	24027.6	24835.0
25°	14400.3	14809.9	15399.2	15934.8	16666.6	17333.5	18177.6	18961.1	19906.6	20788.1	21800.2
27.5°	11115.6	11479.5	11997.6	12479.6	13149.8	13804.6	14661.2	15496.7	16505.5	17452.9	18543.6
30°	8584.5	8879.6	9294.7	9682.5	10220.5	10755.9	11519.0	12291.8	13295.6	14277.2	15395.5
32.5°	6652.7	6904.3	7250.9	7565.6	7980.2	8383.9	8945.9	9563.4	10443.8	11384.3	12465.4
35°	5149.9	5365.2	5660.2	5931.3	6272.2	6592.7	7012.0	7452.8	8124.7	8915.8	9883.4
37.5°	4105.8	4193.6	4404.0	4626.2	4909.4	5172.8	5500.8	5826.7	6307.4	6931.6	7721.9
40°	3122.4	3261.8	3433.1	3608.1	3822.5	4033.7	4393.6	4566.8	4883.3	5331.4	5944.9
42.5°	2519.4	2617.4	2738.0	2859.7	3009.1	3156.2	3338.2	3523.5	3760.2	4063.6	4500.0
45°	2108.3	2172.1	2249.9	2331.0	2429.1	2529.5	2651.4	2778.7	2939.0	3125.5	3390.6
47.5°	1833.6	1868.9	1919.7	1975.1	2042.3	2111.8	2191.1	2272.2	2371.7	2482.5	2633.4
50°	1619.2	1648.7	1688.1	1725.1	1771.6	1842.8	1874.3	1919.0	1979.0	2044.0	2128.5
52.5°	1464.1	1483.7	1508.5	1529.7	1559.1	1585.8	1620.8	1651.6	1693.1	1732.2	1786.7
55°	1343.3	1350.5	1364.4	1378.2	1398.5	1416.7	1440.7	1460.9	1487.3	1510.7	1545.1
57.5°	1250.0	1250.7	1257.2	1264.3	1277.3	1288.8	1305.3	1318.6	1337.0	1351.9	1372.5
60°	1183.0	1179.4	1180.7	1183.2	1190.6	1198.0	1208.5	1217.2	1228.8	1237.2	1248.7
62.5°	1127.1	1121.5	1120.3	1119.6	1123.3	1126.0	1131.7	1135.9	1142.5	1146.2	1152.3
65°	1056.7	1050.1	1047.5	1044.4	1045.6	1044.7	1046.9	1047.0	1050.3	1051.1	1054.6
67.5°	992.7	987.3	983.9	979.8	978.0	975.0	973.8	971.0	970.5	968.2	967.6
70°	934.5	929.0	926.2	922.5	920.5	916.7	914.3	909.5	906.7	902.3	899.8
72.5°	867.0	863.9	863.1	860.6	859.9	857.7	856.7	853.4	851.5	847.6	845.5
75°	796.5	794.0	793.8	791.2	791.0	788.4	787.8	784.2	782.3	778.6	777.0
77.5°	712.6	708.8	707.8	704.8	705.5	704.2	705.2	702.5	701.4	697.6	696.4
80°	617.9	613.2	611.2	607.3	608.3	606.5	608.3	608.1	609.5	606.5	606.0
82.5°	505.9	500.7	499.7	496.9	498.8	499.0	503.0	500.8	501.7	498.9	500.0
85°	368.1	364.3	358.9	358.1	354.6	358.2	353.5	356.7	351.6	355.2	350.4
87.5°	228.2	220.2	216.0	210.3	208.1	202.6	200.4	196.3	197.6	195.7	196.8
90°	105.5	99.9	100.6	97.1	98.7	96.0	98.8	97.6	100.8	99.4	102.9
92.5°	49.7	52.0	56.1	60.7	64.7	68.9	73.1	77.7	81.7	86.2	90.1
95°	61.4	63.5	69.1	74.7	80.5	86.1	91.8	97.4	103.1	108.8	114.4
97.5°	76.9	78.1	83.7	89.5	95.1	100.7	106.4	112.3	117.9	123.6	129.3
100°	88.1	88.2	104.3	120.4	136.4	152.5	168.6	184.6	200.9	217.0	233.1
102.5°	164.1	168.1	208.7	249.4	289.9	330.5	371.1	411.8	452.3	493.2	533.8
105°	362.4	378.3	440.3	502.3	564.1	626.1	688.1	750.3	812.2	874.2	936.2
107.5°	672.1	701.1	757.1	813.2	869.0	925.1	981.3	1037.3	1093.2	1149.3	1205.6
110°	947.2	978.0	1015.5	1053.0	1090.7	1128.2	1165.8	1203.4	1241.1	1278.7	1316.5



TEST NUMBER: P1444462
 CATALOG NUMBER: EHBR1-36-UNV-TA-L830-UPL30

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	1070.1	1090.0	1111.9	1133.9	1155.8	1177.7	1199.7	1221.7	1243.9	1265.9	1288.0
115°	1065.8	1075.4	1083.8	1092.6	1101.0	1109.7	1118.3	1127.2	1135.9	1144.8	1153.6
117.5°	982.9	986.4	987.6	989.2	990.5	992.2	993.8	995.4	997.1	998.8	1000.3
120°	858.9	857.9	856.6	855.4	854.0	852.9	851.8	850.7	849.7	848.7	847.5
122.5°	733.7	731.6	730.3	729.1	728.1	727.1	726.0	725.2	724.3	723.4	722.4
125°	623.7	621.7	623.1	624.5	626.0	627.6	629.1	630.8	632.4	634.1	635.7
127.5°	542.9	542.4	545.8	549.3	552.8	556.5	560.1	563.8	567.4	571.2	574.7
130°	491.4	492.5	496.8	501.3	505.7	510.4	514.9	519.7	524.1	528.7	533.2
132.5°	461.5	463.9	468.0	472.5	476.7	481.2	485.6	490.1	494.4	499.0	503.2
135°	445.4	448.5	452.3	456.4	460.4	464.5	468.5	472.7	476.6	480.7	484.7
137.5°	435.3	438.4	441.6	444.8	448.0	451.5	454.8	458.1	461.2	464.7	467.8
140°	431.9	434.9	436.7	438.9	440.8	442.9	444.7	446.8	448.6	450.8	452.6
142.5°	427.3	430.1	431.3	432.6	433.9	435.5	436.8	438.1	439.3	440.5	441.8
145°	424.7	426.9	427.0	427.4	427.8	428.2	428.4	428.7	428.8	429.1	429.3
147.5°	420.2	421.8	421.5	421.7	421.7	421.5	421.6	421.6	421.3	421.4	421.3
150°	413.7	414.9	414.3	414.2	413.7	413.5	412.9	412.7	412.2	412.0	411.4
152.5°	406.3	407.3	406.5	406.3	405.7	405.2	404.6	404.3	403.6	403.2	402.8
155°	397.4	397.8	397.4	397.2	396.9	396.6	396.2	396.2	396.0	395.8	395.6
157.5°	392.5	392.6	392.4	392.2	391.9	391.8	391.7	391.6	391.5	391.7	391.7
160°	390.0	390.3	390.0	389.8	389.6	389.4	389.3	389.4	389.3	389.6	389.6
162.5°	388.3	388.2	387.8	387.6	387.5	387.5	387.4	387.5	387.5	387.7	387.8
165°	389.5	389.7	389.1	388.9	388.6	388.4	388.1	388.0	388.0	388.0	387.9
167.5°	390.1	390.0	390.0	390.0	390.0	390.2	390.3	390.7	390.9	391.3	391.4
170°	393.2	393.3	393.0	392.9	392.8	392.7	392.8	392.7	392.7	392.7	392.7
172.5°	397.8	397.8	397.4	397.1	396.8	396.5	396.1	395.9	395.7	395.4	395.0
175°	400.3	400.1	399.9	399.7	399.5	399.2	399.1	398.8	398.6	398.4	398.2
177.5°	402.8	402.6	402.4	402.4	402.3	402.2	402.2	402.1	402.1	402.1	401.9
180°	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3



TEST NUMBER: P1444462
 CATALOG NUMBER: EHBR1-36-UNV-TA-L830-UPL30

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1
2.5°	29024.5	29024.1	29021.3	29022.6	29023.2	29025.2	29027.7	29030.3	29030.9	29032.9	29033.3
5°	29241.7	29169.9	29116.8	29058.4	29014.5	28974.9	28948.6	28927.6	28919.6	28921.5	28926.4
7.5°	29830.7	29682.4	29560.2	29421.1	29305.1	29182.4	29080.6	28983.8	28913.4	28860.8	28831.4
10°	30477.0	30296.5	30123.8	29922.5	29731.7	29528.0	29343.4	29157.7	29002.8	28868.2	28769.5
12.5°	30763.9	30636.3	30487.0	30297.0	30092.8	29857.8	29620.4	29365.9	29129.3	28909.6	28732.4
15°	30460.2	30460.4	30405.9	30314.9	30173.0	29985.2	29759.0	29493.8	29214.5	28929.7	28669.4
17.5°	29496.1	29678.0	29779.2	29843.2	29823.6	29754.4	29610.5	29406.8	29146.4	28843.0	28525.4
20°	27840.6	28269.7	28575.5	28850.5	29004.7	29107.2	29096.9	29014.0	28828.6	28570.7	28239.8
22.5°	25521.5	26241.6	26809.7	27339.6	27711.2	28013.5	28157.2	28218.2	28134.1	27954.4	27643.8
25°	22704.7	23683.7	24519.3	25330.1	25938.3	26461.1	26775.2	26996.5	27014.1	26920.2	26643.1
27.5°	19574.8	20730.4	21787.8	22865.4	23720.8	24472.3	24965.4	25326.3	25440.9	25425.7	25174.1
30°	16448.8	17662.0	18827.6	20084.3	21142.6	22102.7	22754.0	23242.0	23430.1	23466.1	23224.1
32.5°	13496.7	14693.0	15855.4	17169.1	18333.8	19434.1	20203.6	20783.3	21002.0	21053.6	20788.1
35°	10817.4	11921.1	13025.8	14299.0	15457.0	16596.4	17407.2	18014.1	18218.4	18252.9	17945.5
37.5°	8494.0	9434.3	10396.9	11539.3	12602.8	13672.9	14443.2	15013.7	15162.4	15153.2	14805.4
40°	6537.7	7268.8	8042.2	8982.7	9866.8	10771.4	11421.9	11893.5	11971.7	11913.8	11548.4
42.5°	4915.9	5444.0	6004.7	6706.7	7362.8	8039.8	8513.1	8863.1	8874.3	8782.8	8454.7
45°	3662.4	4177.5	4412.7	4837.2	5259.7	5709.9	5998.9	6215.2	6181.6	6101.2	5851.8
47.5°	2792.0	2990.0	3199.9	3463.1	3709.3	4220.1	4182.2	4529.5	4279.4	4449.9	4074.5
50°	2217.1	2327.7	2440.9	2580.5	2709.1	2842.7	2926.2	2988.5	2980.3	2953.5	2881.7
52.5°	1886.3	1920.4	1976.2	2055.6	2127.4	2199.6	2247.1	2285.8	2286.5	2275.7	2239.3
55°	1576.5	1619.9	1659.9	1711.8	1800.3	1813.8	1882.0	1868.2	1873.6	1854.7	1874.0
57.5°	1389.9	1415.2	1437.8	1468.7	1494.2	1524.0	1541.6	1558.6	1556.9	1553.3	1534.7
60°	1257.8	1271.7	1284.2	1302.3	1316.3	1333.1	1341.3	1349.9	1347.1	1340.8	1324.3
62.5°	1155.9	1164.6	1171.7	1183.4	1192.0	1202.5	1206.7	1210.3	1206.7	1200.7	1186.2
65°	1055.4	1061.0	1065.5	1074.3	1080.3	1089.3	1092.9	1096.3	1093.0	1088.3	1077.2
67.5°	964.7	965.3	964.8	968.4	970.2	975.6	977.2	979.7	975.8	971.8	962.5
70°	896.0	894.6	892.8	894.2	894.6	897.1	897.6	897.1	892.5	885.6	875.3
72.5°	842.2	841.4	840.1	841.3	841.3	843.7	842.9	841.7	836.0	829.4	819.2
75°	773.1	772.5	770.0	770.1	767.9	768.7	765.9	764.3	757.9	752.3	743.2
77.5°	692.2	690.9	687.2	685.8	681.6	679.9	674.6	672.0	665.5	661.0	653.3
80°	601.9	600.5	595.7	593.0	586.6	582.4	574.7	570.3	562.8	558.4	550.8
82.5°	497.6	498.1	493.3	489.9	480.6	473.5	463.1	457.5	449.3	445.0	437.3
85°	353.9	348.8	351.5	351.3	345.5	339.3	330.8	324.9	318.0	313.9	308.5
87.5°	194.1	195.3	193.9	192.7	188.6	185.5	178.9	175.4	170.4	167.9	163.7
90°	95.5	93.1	86.1	83.7	76.9	72.9	65.0	61.7	54.4	52.7	48.3
92.5°	85.3	80.6	76.1	71.0	66.6	61.8	57.0	52.3	47.5	45.6	44.3
95°	107.5	100.7	93.9	86.9	80.1	73.2	66.4	59.5	52.6	51.2	49.8
97.5°	121.2	113.2	105.0	96.9	88.9	80.7	72.7	64.6	56.5	55.6	54.7
100°	214.4	195.9	177.1	158.5	139.9	121.2	102.6	83.9	65.3	64.3	63.1
102.5°	488.5	443.3	398.1	352.9	307.8	262.5	217.3	172.0	126.7	120.2	113.7
105°	867.8	799.2	731.0	662.5	594.0	525.5	457.2	388.5	320.1	298.2	276.0
107.5°	1141.3	1076.8	1012.7	948.3	883.9	819.6	755.3	690.8	626.4	587.7	549.0
110°	1265.4	1214.3	1163.5	1112.3	1061.4	1010.2	959.2	908.1	857.0	823.6	790.4



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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°	1250.7	1213.2	1176.0	1138.5	1101.3	1063.7	1026.4	988.9	951.3	931.3	910.9
115°	1131.2	1108.7	1086.3	1063.8	1041.3	1018.9	996.3	973.7	951.0	940.5	929.8
117.5°	989.1	977.6	966.3	954.9	943.4	931.8	920.4	908.8	897.3	893.7	889.9
120°	844.4	841.1	837.5	834.1	830.8	827.4	823.8	820.3	816.7	817.3	817.7
122.5°	724.0	725.4	727.0	728.2	729.8	731.0	732.6	733.7	735.1	738.0	741.0
125°	639.2	642.6	646.2	649.6	653.0	656.4	659.9	663.1	666.6	669.5	672.6
127.5°	578.7	582.4	586.5	590.2	594.2	598.0	601.9	605.5	609.4	612.1	614.9
130°	536.7	540.0	543.5	546.7	550.2	553.5	556.8	560.2	563.5	565.7	567.8
132.5°	506.4	509.4	512.5	515.4	518.6	521.5	524.6	527.6	530.7	532.2	534.1
135°	487.1	489.2	491.7	493.8	496.4	498.5	501.0	503.3	505.7	506.9	508.2
137.5°	469.7	471.6	473.6	475.4	477.4	479.2	481.4	483.3	485.6	486.1	487.0
140°	454.6	456.6	458.5	460.5	462.6	464.6	466.9	469.0	471.4	471.9	472.9
142.5°	443.3	444.8	446.4	448.0	449.7	451.3	453.1	455.1	456.8	457.6	458.2
145°	431.2	432.9	434.9	436.6	438.5	440.4	442.8	444.8	447.0	447.5	448.0
147.5°	422.7	424.3	426.0	427.6	429.4	430.9	432.9	434.8	436.8	437.2	437.7
150°	413.2	414.7	416.5	418.1	419.9	421.8	423.9	425.8	428.2	428.8	429.5
152.5°	404.5	406.3	408.0	410.0	412.1	414.1	416.3	418.4	420.7	421.2	422.0
155°	397.4	399.0	401.0	403.0	404.9	406.8	409.0	411.0	413.2	414.0	414.8
157.5°	393.4	394.8	396.7	398.4	400.2	401.9	404.0	405.8	407.7	408.4	409.1
160°	391.0	392.5	394.1	395.6	397.3	398.9	400.5	402.2	403.9	404.5	405.1
162.5°	389.3	390.7	392.4	393.8	395.5	397.0	398.8	400.3	401.9	402.5	403.2
165°	389.0	390.1	391.4	392.5	393.6	394.7	396.0	397.2	398.5	399.0	399.9
167.5°	392.5	393.1	394.1	394.9	395.9	396.9	397.9	398.8	399.8	400.4	401.1
170°	393.5	394.2	395.0	395.9	396.7	397.5	398.4	399.1	400.3	400.7	401.4
172.5°	395.6	395.9	396.6	397.1	397.6	398.2	398.8	399.3	400.0	400.6	401.2
175°	398.6	398.8	399.0	399.2	399.4	399.7	400.2	400.5	400.8	401.3	401.8
177.5°	402.1	402.3	402.5	402.7	403.0	403.2	403.4	403.6	403.9	404.5	405.0
180°	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3



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CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1
2.5°	29032.4	29032.0	29031.0	29029.7	29028.4	29029.3	29030.5	29033.9	29039.7	29048.1	29059.1
5°	28930.4	28936.3	28939.7	28940.2	28937.1	28935.3	28938.1	28946.1	28962.2	28989.2	29025.6
7.5°	28823.6	28830.9	28842.1	28850.5	28852.1	28850.2	28850.5	28863.1	28892.8	28945.3	29019.1
10°	28709.5	28687.7	28699.2	28720.1	28736.7	28739.8	28741.9	28756.6	28800.1	28879.5	28997.9
12.5°	28604.1	28535.4	28522.1	28541.1	28566.3	28574.4	28572.1	28578.5	28629.4	28734.5	28899.5
15°	28465.5	28336.3	28292.1	28296.9	28328.1	28339.4	28331.1	28318.7	28368.2	28496.6	28710.2
17.5°	28241.1	28032.8	27951.6	27948.0	27984.6	27994.2	27974.2	27935.3	27984.1	28144.3	28409.5
20°	27900.2	27592.5	27439.7	27415.4	27455.0	27443.4	27403.4	27344.7	27408.8	27603.6	27919.0
22.5°	27287.0	26897.3	26636.2	26551.9	26599.3	26567.7	26509.3	26434.3	26519.4	26740.8	27092.1
25°	26285.2	25834.9	25477.4	25276.8	25314.6	25257.9	25194.3	25103.4	25205.0	25459.0	25845.7
27.5°	24812.7	24292.5	23849.5	23517.4	23529.7	23455.4	23382.1	23264.5	23391.3	23692.0	24128.1
30°	22854.6	22252.7	21713.2	21261.9	21221.5	21149.5	21074.5	20920.1	21078.9	21438.7	21948.4
32.5°	20395.5	19727.3	19103.9	18533.3	18425.7	18355.4	18288.6	18110.9	18318.7	18738.3	19323.8
35°	17519.8	16807.9	16132.1	15480.4	15302.1	15231.8	15173.4	15003.2	15262.5	15719.1	16351.6
37.5°	14363.3	13636.1	12965.1	12296.8	12044.9	11949.5	11907.1	11795.6	12094.7	12546.4	13181.4
40°	11122.8	10446.6	9845.0	9254.9	8967.6	8821.7	8799.4	8779.2	9068.4	9460.3	10036.6
42.5°	8091.4	7545.9	7082.0	6630.9	6370.6	6171.4	6171.3	6231.7	6492.1	6785.7	7230.1
45°	5597.1	5231.0	4935.4	4634.0	4714.5	4317.5	4550.8	4431.0	4559.7	4749.0	5038.0
47.5°	3847.4	3647.6	3485.2	3316.8	3194.1	3076.8	3087.1	3162.7	3283.9	3396.2	3546.6
50°	2804.1	2702.3	2619.7	2532.2	2471.1	2419.4	2422.4	2455.1	2518.8	2578.0	2656.7
52.5°	2197.2	2141.1	2096.2	2047.8	2015.8	1990.0	1991.4	2007.4	2041.7	2075.6	2120.7
55°	1811.0	1804.3	1745.8	1702.5	1686.0	1668.7	1671.8	1678.0	1701.5	1721.2	1751.2
57.5°	1517.7	1491.4	1473.9	1451.1	1440.6	1428.5	1431.2	1433.5	1449.2	1462.5	1483.9
60°	1310.5	1291.9	1279.5	1263.9	1257.1	1249.4	1251.1	1252.5	1262.6	1271.2	1286.7
62.5°	1172.9	1156.2	1145.4	1133.4	1128.5	1123.4	1124.6	1125.0	1131.3	1137.6	1149.3
65°	1067.3	1054.1	1045.1	1034.8	1029.7	1024.3	1024.9	1024.9	1030.1	1034.8	1043.5
67.5°	955.6	945.7	939.9	931.7	928.2	922.7	922.6	920.9	924.3	926.1	932.1
70°	866.0	856.0	848.6	840.7	836.3	831.5	831.6	831.7	835.7	839.9	847.5
72.5°	810.6	801.1	794.4	787.5	783.5	779.3	778.6	778.1	781.0	783.4	788.4
75°	737.4	729.7	725.8	719.3	716.1	711.4	710.7	708.5	709.9	710.3	714.1
77.5°	648.4	641.2	638.0	631.4	628.7	623.5	623.0	620.7	621.7	620.9	623.8
80°	547.0	540.4	538.7	533.3	532.1	527.2	526.4	523.4	524.4	522.0	523.2
82.5°	433.9	427.8	426.6	421.6	421.6	417.1	416.9	412.5	412.5	408.7	402.7
85°	305.6	301.2	299.4	295.3	294.0	290.5	288.7	284.5	283.0	280.3	279.4
87.5°	161.3	158.5	156.0	154.1	150.5	144.2	143.6	139.2	139.5	136.4	136.6
90°	47.0	42.9	41.8	37.9	36.5	33.7	32.6	33.1	34.1	34.8	35.8
92.5°	42.7	41.1	39.6	38.0	36.4	34.8	33.3	34.8	36.4	38.0	39.6
95°	48.4	47.0	45.6	44.2	42.8	41.4	40.0	41.4	42.8	44.3	45.7
97.5°	53.9	52.9	52.1	51.1	50.3	49.4	48.5	49.5	50.4	51.2	52.2
100°	62.1	61.1	59.9	58.9	57.9	56.8	55.7	57.0	58.2	59.2	60.2
102.5°	107.3	100.7	94.2	87.7	81.1	74.7	68.1	74.7	81.1	87.8	94.3
105°	254.0	232.1	210.0	188.0	166.0	143.9	121.9	144.0	166.1	188.1	210.2
107.5°	510.1	471.6	432.9	394.2	355.2	316.5	277.7	316.6	355.4	394.3	433.0
110°	756.9	723.5	690.2	656.7	623.2	589.8	556.3	589.9	623.4	656.9	690.4



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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°	890.6	870.4	850.1	829.8	809.4	789.1	768.7	789.3	809.8	830.4	850.6
115°	919.3	908.5	897.8	887.2	876.4	865.6	854.7	866.0	876.9	887.8	898.8
117.5°	886.1	882.6	878.7	875.1	871.2	867.5	863.6	867.7	871.8	876.0	879.9
120°	818.1	818.8	819.2	819.5	819.9	820.3	820.5	820.7	820.7	820.7	820.6
122.5°	743.7	746.7	749.5	752.4	755.0	757.8	760.2	758.2	755.8	753.8	751.1
125°	675.5	678.6	681.5	684.4	687.1	690.0	692.4	690.5	688.3	686.0	683.5
127.5°	617.7	620.4	622.9	625.7	628.2	630.6	632.8	631.2	629.4	627.4	625.2
130°	570.0	572.2	574.1	576.2	578.0	579.8	581.3	580.5	579.3	578.1	576.5
132.5°	535.6	537.5	539.0	540.6	541.8	543.3	544.1	543.9	543.2	542.6	541.6
135°	509.5	510.6	511.6	512.8	513.7	514.5	515.0	515.3	515.1	514.9	514.3
137.5°	487.7	488.5	489.0	489.4	489.9	490.2	490.3	490.9	491.3	491.9	491.9
140°	473.4	474.3	474.9	475.4	475.9	476.4	476.3	477.2	477.4	477.8	477.8
142.5°	459.1	459.7	460.4	461.0	461.3	461.7	461.8	462.5	462.8	463.1	463.3
145°	448.6	449.0	449.4	449.9	450.0	450.2	449.9	450.9	451.4	452.0	452.4
147.5°	438.1	438.7	438.9	439.2	439.3	439.5	439.3	440.2	440.7	441.3	441.8
150°	430.3	431.0	431.6	432.2	432.7	433.0	433.0	433.7	434.0	434.3	434.4
152.5°	422.5	423.2	423.9	424.3	424.7	425.0	425.1	425.6	426.1	426.6	426.8
155°	415.4	416.2	416.8	417.5	418.0	418.5	418.9	419.4	419.6	419.9	420.1
157.5°	409.7	410.5	410.9	411.6	412.1	412.7	413.1	413.7	414.0	414.4	414.7
160°	405.7	406.4	406.9	407.6	408.1	408.6	409.1	409.6	410.0	410.4	410.7
162.5°	403.6	404.3	404.7	405.3	405.8	406.3	406.8	407.3	407.7	408.2	408.5
165°	400.5	401.3	401.8	402.6	403.3	404.0	404.5	404.8	405.0	405.2	405.4
167.5°	401.7	402.4	402.9	403.5	404.1	404.8	405.4	405.7	405.8	406.0	406.1
170°	401.8	402.5	403.0	403.5	404.1	404.8	405.1	405.3	405.4	405.6	405.7
172.5°	401.8	402.5	403.2	403.9	404.5	405.1	405.7	405.8	405.6	405.6	405.3
175°	402.2	402.9	403.3	404.0	404.4	404.9	405.5	405.2	405.2	405.0	404.8
177.5°	405.8	406.5	407.1	407.7	408.3	408.8	409.4	408.9	408.5	408.1	407.6
180°	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3



TEST NUMBER: P1444462
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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°	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1
2.5°	29074.7	29089.2	29111.5	29131.6	29162.0	29186.0	29221.9	29249.2	29289.9	29316.2	29360.3
5°	29077.2	29134.2	29208.9	29282.0	29369.8	29449.4	29548.4	29632.7	29732.3	29813.4	29915.2
7.5°	29118.3	29228.0	29359.5	29492.0	29641.9	29782.0	29939.9	30082.9	30239.1	30371.3	30515.7
10°	29148.7	29317.9	29511.7	29706.6	29911.8	30102.5	30295.0	30461.4	30616.8	30744.8	30857.8
12.5°	29107.6	29340.6	29589.3	29829.4	30057.6	30254.9	30420.6	30548.5	30636.7	30696.7	30710.7
15°	28967.8	29248.3	29518.6	29757.7	29947.1	30093.1	30168.7	30204.1	30166.1	30103.0	29964.5
17.5°	28706.7	29002.5	29244.1	29432.8	29532.8	29572.5	29509.8	29400.9	29188.0	28951.7	28610.5
20°	28227.8	28503.5	28678.7	28781.7	28754.9	28655.9	28419.5	28132.1	27707.1	27254.1	26656.4
22.5°	27388.1	27629.1	27722.4	27730.0	27566.8	27318.8	26892.4	26399.5	25729.1	25032.0	24174.7
25°	26127.4	26338.6	26353.3	26270.4	25971.5	25569.8	24943.6	24246.3	23335.2	22406.4	21332.0
27.5°	24417.8	24620.3	24570.7	24416.1	24001.1	23463.5	22661.9	21761.1	20637.9	19540.8	18352.4
30°	22268.8	22485.2	22427.1	22228.7	21735.1	21099.7	20156.5	19109.9	17862.9	16691.0	15486.8
32.5°	19697.0	19970.6	19930.4	19741.9	19226.8	18546.9	17523.4	16413.4	15137.5	13982.7	12811.4
35°	16773.7	17106.0	17123.2	17000.0	16521.8	15849.8	14839.1	13764.7	12542.5	11453.0	10370.9
37.5°	13624.3	14009.5	14088.7	14055.4	13659.1	13065.9	12145.0	11181.2	10098.5	9143.7	8218.1
40°	10457.5	10847.4	10982.6	11022.8	10730.4	10270.9	9515.1	8737.2	7854.6	7080.9	6345.9
42.5°	7569.5	7915.1	8045.9	8128.1	7945.5	7639.1	7087.8	6522.9	5876.3	5318.3	4783.2
45°	5257.1	5501.7	5601.1	5683.9	5584.5	5411.6	5063.5	4710.1	4283.3	3918.6	3573.4
47.5°	3675.6	3810.4	3876.0	3916.2	3877.7	3787.5	3598.1	3393.4	3152.4	2939.3	2734.4
50°	2724.4	2796.2	2830.5	2853.7	2825.7	2775.6	2673.0	2561.6	2429.3	2308.5	2190.5
52.5°	2159.0	2200.1	2220.6	2233.0	2217.0	2186.3	2126.6	2060.6	1981.2	1906.6	1867.4
55°	1818.8	1816.7	1863.9	1841.1	1863.9	1813.0	1802.3	1729.6	1663.8	1617.4	1567.2
57.5°	1500.0	1521.3	1530.4	1540.5	1534.0	1524.7	1499.3	1473.3	1438.5	1409.5	1378.5
60°	1298.4	1316.0	1325.9	1335.9	1335.3	1331.8	1317.2	1301.7	1279.9	1262.6	1243.8
62.5°	1159.6	1174.8	1184.6	1194.2	1195.1	1193.6	1182.6	1171.7	1156.9	1146.1	1133.1
65°	1050.3	1061.0	1067.7	1075.3	1074.9	1072.9	1062.8	1053.9	1041.6	1034.1	1024.6
67.5°	936.0	944.1	949.3	956.5	957.9	958.3	952.8	948.6	942.7	940.5	937.3
70°	854.7	864.5	872.8	882.0	887.0	889.3	887.0	884.8	881.3	879.9	877.3
72.5°	793.1	801.4	807.9	816.2	820.9	824.2	822.4	821.2	818.2	817.7	816.1
75°	716.7	722.5	726.1	732.4	734.8	738.0	736.6	737.4	736.3	738.8	738.6
77.5°	624.9	629.1	630.8	635.3	635.7	639.5	640.4	644.8	647.9	654.9	658.5
80°	521.5	524.1	524.1	528.8	530.8	537.2	540.2	547.4	550.8	557.0	557.5
82.5°	405.0	401.9	405.0	403.1	409.1	416.2	417.1	423.3	424.7	428.5	425.5
85°	276.9	276.7	274.2	274.6	272.8	273.7	272.6	273.8	272.7	272.8	270.0
87.5°	132.6	133.9	131.0	131.9	129.1	130.4	128.0	129.8	126.9	127.4	123.1
90°	36.6	37.7	38.5	39.6	41.0	43.9	47.0	49.9	53.4	56.1	59.3
92.5°	41.1	42.8	44.4	46.0	47.6	52.4	57.1	61.9	66.8	71.4	76.2
95°	47.1	48.5	49.9	51.6	53.0	59.9	66.8	73.6	80.6	87.4	94.3
97.5°	53.3	54.2	55.1	56.0	57.0	65.1	73.2	81.3	89.5	97.5	105.6
100°	61.4	62.5	63.5	64.7	65.8	84.5	103.1	121.9	140.5	159.1	177.8
102.5°	100.9	107.4	114.0	120.7	127.3	172.6	218.0	263.2	308.3	353.6	398.9
105°	232.3	254.3	276.6	298.7	320.7	389.3	458.0	526.5	594.8	663.4	731.9
107.5°	471.9	510.7	549.7	588.4	627.2	691.8	756.2	820.7	885.2	949.6	1013.8
110°	724.2	757.4	791.2	824.7	858.2	909.3	960.6	1011.6	1062.9	1113.9	1165.1



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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°	871.3	891.6	912.0	932.3	952.7	990.3	1028.0	1065.6	1103.2	1140.4	1178.0
115°	909.7	920.3	931.2	942.0	952.9	975.6	998.2	1020.9	1043.6	1066.1	1088.7
117.5°	883.9	887.8	891.7	895.4	899.3	910.9	922.7	934.3	946.0	957.7	969.2
120°	820.5	820.2	819.9	819.5	819.3	822.8	826.6	830.2	833.9	837.4	840.9
122.5°	748.8	746.1	743.6	740.8	738.2	736.8	735.8	734.4	733.3	731.9	730.8
125°	680.9	678.3	675.6	672.8	669.9	666.7	663.6	660.2	656.9	653.7	650.5
127.5°	623.2	620.7	618.4	615.9	613.4	609.6	606.0	602.2	598.7	594.7	591.1
130°	575.1	573.4	571.8	569.7	568.0	564.6	561.6	558.3	555.1	551.8	548.6
132.5°	540.7	539.4	538.3	536.7	535.5	532.5	529.9	526.8	523.8	520.9	518.1
135°	514.1	513.3	512.8	511.8	511.0	508.5	506.6	504.2	502.1	499.8	497.7
137.5°	492.1	491.8	491.5	491.2	490.9	489.1	487.3	485.4	483.7	481.7	480.1
140°	477.9	477.7	477.7	477.3	477.1	475.1	473.2	471.3	469.4	467.3	465.5
142.5°	463.3	463.3	463.1	462.8	462.6	461.0	459.7	458.2	456.6	455.1	453.6
145°	452.5	452.7	452.9	452.7	453.0	451.1	449.4	447.5	446.0	444.1	442.4
147.5°	442.1	442.2	442.6	442.6	443.0	441.4	440.1	438.5	437.3	435.6	434.4
150°	434.4	434.5	434.5	434.4	434.4	432.9	431.5	429.9	428.5	427.0	425.6
152.5°	426.9	427.0	427.2	427.3	427.5	425.9	424.4	422.8	421.3	419.6	418.1
155°	420.3	420.4	420.6	420.6	420.6	419.2	417.8	416.2	414.8	413.3	411.9
157.5°	414.9	415.1	415.2	415.4	415.5	414.3	413.1	411.8	410.6	409.2	408.0
160°	411.0	411.3	411.5	411.7	411.9	410.8	409.9	408.7	407.8	406.5	405.4
162.5°	408.9	409.2	409.3	409.5	409.7	408.7	407.8	406.7	405.7	404.5	403.4
165°	405.7	405.7	405.8	405.7	405.7	405.0	404.5	403.8	403.1	402.2	401.5
167.5°	406.3	406.3	406.3	406.3	406.3	405.8	405.6	404.9	404.4	403.9	403.3
170°	405.8	405.9	405.9	405.8	405.8	405.2	404.9	404.4	404.0	403.3	402.8
172.5°	405.2	404.9	404.9	404.8	404.5	404.1	403.8	403.5	403.3	402.9	402.5
175°	404.6	404.4	404.3	404.0	403.7	403.6	403.4	403.4	403.3	403.2	403.0
177.5°	407.3	406.8	406.3	405.9	405.4	405.2	405.2	405.0	405.0	404.9	404.8
180°	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3



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CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1
2.5°	29387.6	29206.1	29182.2	29195.0	29225.2	29236.5	29269.2	29278.1	29311.1	29319.2	29350.8
5°	29994.0	29754.2	29766.1	29823.8	29911.1	29963.2	30049.0	30093.8	30175.8	30213.1	30287.1
7.5°	30633.5	30445.1	30503.8	30601.1	30720.5	30803.1	30906.2	30973.4	31062.2	31117.4	31188.6
10°	30947.4	30895.7	30960.5	31037.0	31105.1	31158.4	31202.1	31237.1	31260.0	31281.5	31290.9
12.5°	30708.5	30788.4	30799.4	30792.0	30746.8	30712.3	30635.0	30582.4	30489.0	30432.1	30321.0
15°	29822.8	29998.5	29901.2	29753.9	29538.5	29358.8	29105.1	28916.2	28652.1	28472.9	28207.7
17.5°	28268.5	28490.2	28236.7	27896.0	27462.5	27091.8	26630.0	26263.5	25804.4	25470.4	25042.0
20°	26080.3	26287.4	25835.5	25270.6	24600.1	24035.9	23370.4	22839.5	22221.1	21761.1	21206.0
22.5°	23355.8	23503.4	22866.6	22105.1	21250.9	20546.0	19750.3	19113.8	18408.1	17882.2	17290.3
25°	20341.7	20381.6	19617.6	18740.4	17788.3	16996.0	16146.6	15477.4	14757.7	14224.7	13643.8
27.5°	17299.5	17241.1	16415.4	15485.3	14483.8	13660.3	12831.9	12204.8	11574.3	11094.3	10593.8
30°	14428.1	14286.7	13429.4	12473.3	11501.2	10763.1	10075.3	9571.7	9070.2	8689.4	8287.6
32.5°	11794.9	11595.4	10760.9	9865.2	9046.1	8476.5	7966.5	7585.4	7180.4	6858.8	6521.6
35°	9462.6	9250.1	8510.8	7751.5	7131.4	6711.6	6310.8	5998.1	5654.3	5382.9	5090.1
37.5°	7461.1	7286.8	6667.6	6070.1	5601.1	5275.7	4947.3	4691.8	4407.6	4288.3	3975.4
40°	5759.9	5638.1	5154.0	4713.4	4361.3	4208.4	3875.1	3636.4	3424.0	3249.0	3079.3
42.5°	4492.8	4449.7	3978.5	3635.0	3387.0	3194.5	3008.6	2857.8	2711.0	2590.3	2476.3
45°	3297.1	3262.9	3053.8	2855.5	2686.5	2551.9	2426.3	2322.6	2226.6	2147.0	2074.7
47.5°	2567.4	2556.5	2436.0	2313.0	2206.6	2120.1	2038.7	1969.8	1906.1	1853.0	1835.7
50°	2088.2	2086.8	2016.1	1940.2	1864.4	1814.4	1762.4	1721.7	1680.7	1648.9	1615.3
52.5°	1774.2	1766.6	1718.9	1672.0	1627.0	1594.2	1560.9	1534.9	1507.8	1488.1	1467.3
55°	1527.5	1535.5	1507.9	1480.0	1451.8	1431.4	1408.1	1390.9	1372.4	1359.9	1347.3
57.5°	1356.1	1366.8	1352.2	1336.4	1319.3	1305.9	1289.8	1277.9	1265.5	1257.5	1250.2
60°	1231.3	1243.0	1237.2	1229.1	1218.6	1210.6	1200.4	1193.7	1185.8	1181.4	1177.3
62.5°	1125.5	1140.2	1138.1	1134.3	1127.5	1123.0	1117.5	1114.5	1109.3	1107.3	1105.3
65°	1020.0	1036.4	1036.1	1034.2	1030.5	1029.2	1025.7	1025.0	1022.3	1023.4	1023.2
67.5°	937.0	951.2	954.3	956.6	956.5	957.3	957.0	958.4	958.4	960.5	961.8
70°	877.0	887.0	889.3	891.7	892.4	894.3	894.3	895.5	895.2	896.9	897.1
72.5°	816.4	829.5	831.9	833.9	833.9	835.7	834.7	834.4	831.8	831.2	829.5
75°	741.1	757.9	761.5	763.9	764.3	765.9	763.6	762.2	757.9	756.1	753.1
77.5°	662.4	679.8	682.4	683.2	681.8	682.2	677.4	674.1	668.7	666.4	663.5
80°	560.0	585.5	587.6	586.0	582.0	581.3	576.7	573.6	567.1	564.8	562.3
82.5°	426.1	456.1	460.3	462.2	458.9	459.6	455.2	453.6	447.5	446.4	442.4
85°	269.0	299.0	304.0	303.2	300.0	299.3	296.7	297.5	297.0	298.6	299.5
87.5°	123.6	152.7	159.7	157.4	157.1	155.0	150.3	152.1	154.9	156.7	156.9
90°	62.4	74.2	77.1	75.2	70.5	68.3	63.9	62.0	58.1	56.2	52.4
92.5°	80.9	85.7	90.5	86.3	82.1	77.7	73.5	69.2	65.1	60.7	56.6
95°	101.2	107.8	114.7	109.0	103.3	97.6	92.0	86.4	80.7	75.0	69.4
97.5°	113.7	121.5	129.5	123.9	118.2	112.5	106.9	101.2	95.5	89.8	84.1
100°	196.5	214.7	233.3	217.3	201.1	185.1	169.1	152.9	136.9	120.8	104.6
102.5°	444.0	489.1	534.1	493.5	452.8	412.2	371.6	330.9	290.4	249.5	209.0
105°	800.3	868.4	936.8	874.5	812.5	750.6	688.6	626.6	564.6	502.5	440.5
107.5°	1078.2	1141.9	1206.0	1149.9	1093.8	1037.9	981.6	925.6	869.5	813.3	757.3
110°	1216.1	1266.2	1317.2	1279.4	1241.8	1204.0	1166.4	1128.5	1091.0	1053.5	1016.0



TEST NUMBER: P1444462
 CATALOG NUMBER: EHBR1-36-UNV-TA-L830-UPL30

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	1215.4	1251.6	1288.7	1266.4	1244.5	1222.3	1200.4	1178.2	1156.4	1134.2	1112.4
115°	1111.2	1132.2	1154.4	1145.5	1136.8	1128.0	1119.1	1110.6	1101.7	1093.0	1084.4
117.5°	980.7	990.5	1001.5	999.7	998.1	996.3	994.7	992.9	991.5	989.9	988.3
120°	844.4	846.0	848.9	849.9	851.0	851.9	853.1	854.0	855.1	856.2	857.5
122.5°	729.4	725.9	723.9	724.8	725.7	726.4	727.4	728.4	729.4	730.4	731.5
125°	647.1	641.3	637.2	635.6	634.1	632.3	630.7	629.0	627.6	625.9	624.5
127.5°	587.3	581.0	576.6	573.0	569.4	565.6	562.0	558.3	554.8	551.1	547.7
130°	545.4	539.3	535.3	530.7	526.4	521.7	517.3	512.7	508.1	503.5	499.1
132.5°	515.1	509.3	505.6	501.2	497.0	492.5	488.3	483.7	479.4	474.9	470.7
135°	495.4	490.1	487.2	483.2	479.4	475.3	471.4	467.2	463.4	459.2	455.4
137.5°	478.2	472.9	470.5	467.3	464.2	461.0	457.9	454.6	451.3	447.9	444.8
140°	463.5	458.1	455.4	453.6	451.9	449.8	448.0	446.1	444.3	442.4	440.4
142.5°	452.1	446.9	444.7	443.4	442.4	441.1	440.3	438.9	437.8	436.2	435.2
145°	440.7	434.8	432.3	432.0	432.1	431.8	431.6	431.5	431.4	431.0	430.8
147.5°	432.8	426.8	424.3	424.6	424.7	424.7	425.1	425.0	425.4	425.4	425.5
150°	423.9	417.1	414.3	414.9	415.1	415.7	416.2	416.6	417.1	417.6	418.0
152.5°	416.4	408.4	405.1	405.7	406.3	406.7	407.3	407.9	408.6	409.2	409.8
155°	410.2	401.6	398.1	398.1	398.4	398.6	398.9	399.2	399.6	399.9	400.3
157.5°	406.4	397.4	394.2	394.0	394.1	394.2	394.2	394.3	394.4	394.6	395.1
160°	404.3	395.2	392.0	391.8	391.9	391.8	391.8	391.8	392.0	392.2	392.5
162.5°	402.1	393.4	390.3	390.0	390.0	389.8	389.9	389.8	390.0	390.0	390.2
165°	400.6	392.9	390.2	390.2	390.4	390.3	390.5	390.7	390.9	391.1	391.5
167.5°	402.6	395.9	393.7	393.3	393.0	392.7	392.7	392.3	392.3	392.0	392.0
170°	402.0	396.8	394.8	394.7	394.9	394.9	394.9	394.9	394.9	394.9	395.1
172.5°	402.1	398.2	396.8	397.0	397.4	397.5	397.9	398.2	398.6	398.9	399.2
175°	402.8	400.4	399.8	399.8	400.0	400.2	400.3	400.4	400.6	400.8	401.2
177.5°	404.7	403.9	403.5	403.5	403.5	403.5	403.5	403.5	403.5	403.6	403.6
180°	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3



TEST NUMBER: P1444462
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1
2.5°	29356.7	29391.0	29388.4	29420.3	29418.7	29448.8	29442.8	29468.9	29462.9	29485.2	29472.0
5°	30319.8	30384.8	30406.3	30465.1	30477.2	30529.8	30530.9	30572.7	30567.6	30600.3	30582.9
7.5°	31230.6	31291.4	31320.3	31365.9	31388.7	31426.5	31441.3	31472.4	31479.8	31498.1	31497.6
10°	31307.5	31307.3	31321.6	31315.2	31327.9	31320.5	31336.1	31330.5	31353.5	31347.5	31364.9
12.5°	30273.1	30170.5	30133.0	30040.7	30020.6	29941.4	29947.1	29896.3	29920.8	29889.6	29942.7
15°	28049.9	27811.8	27694.2	27487.1	27422.1	27258.4	27245.1	27136.5	27165.8	27108.9	27192.0
17.5°	24764.7	24389.8	24184.0	23881.7	23761.6	23530.1	23483.8	23343.8	23365.5	23295.0	23395.4
20°	20847.9	20394.8	20135.3	19785.6	19629.6	19353.7	19280.5	19123.9	19143.6	19073.5	19187.0
22.5°	16886.3	16412.1	16119.1	15752.6	15553.4	15293.9	15216.1	15058.7	15067.7	15001.9	15111.1
25°	13245.8	12791.1	12506.7	12173.8	12001.0	11763.1	11681.2	11540.1	11548.0	11493.7	11591.8
27.5°	10246.7	9873.6	9635.6	9356.5	9201.6	9006.0	8926.2	8807.5	8807.1	8767.3	8849.3
30°	8007.2	7695.8	7482.2	7239.2	7093.7	6917.1	6840.0	6733.8	6729.2	6700.9	6766.0
32.5°	6269.4	5992.5	5797.7	5583.8	5453.1	5301.7	5228.7	5143.4	5135.6	5110.0	5163.4
35°	4873.7	4640.5	4473.0	4292.8	4306.1	4082.6	4119.8	3946.3	3899.1	3888.9	3928.7
37.5°	3766.8	3586.2	3450.1	3315.2	3223.9	3129.5	3078.6	3032.9	3027.7	3023.3	3051.1
40°	2948.4	2821.9	2723.0	2630.5	2567.6	2510.0	2478.2	2453.1	2447.2	2443.8	2460.6
42.5°	2386.3	2300.9	2237.1	2180.8	2142.5	2111.2	2093.7	2079.8	2075.1	2075.3	2085.2
45°	2016.1	1964.4	1923.3	1888.1	1863.8	1874.4	1842.9	1859.5	1837.6	1860.2	1845.3
47.5°	1775.4	1731.4	1705.9	1681.1	1666.3	1654.4	1654.9	1655.1	1659.8	1660.5	1665.3
50°	1589.8	1564.3	1546.6	1530.7	1523.0	1516.8	1519.0	1520.6	1525.1	1525.4	1529.0
52.5°	1452.4	1435.6	1424.9	1415.1	1411.6	1408.1	1409.6	1408.9	1411.0	1409.9	1412.8
55°	1340.5	1332.6	1329.3	1325.6	1326.1	1325.2	1325.8	1322.3	1320.1	1317.4	1319.8
57.5°	1248.7	1247.6	1249.9	1251.4	1255.7	1257.2	1258.1	1254.0	1250.1	1246.6	1248.6
60°	1178.0	1179.8	1185.3	1189.9	1195.9	1198.7	1200.5	1198.1	1195.2	1192.3	1194.1
62.5°	1108.3	1110.9	1117.7	1122.7	1130.0	1133.9	1138.1	1138.3	1139.4	1138.3	1139.5
65°	1027.3	1030.7	1036.7	1040.9	1047.7	1051.1	1055.4	1056.1	1058.5	1058.0	1060.0
67.5°	965.7	968.8	973.9	977.8	983.9	987.4	991.1	991.3	992.3	992.0	993.9
70°	900.2	901.7	906.2	909.5	915.5	919.1	923.4	924.7	927.4	927.9	930.1
72.5°	830.2	829.5	832.3	833.8	838.3	841.1	846.6	849.6	854.2	855.3	857.0
75°	754.0	753.3	756.6	757.9	761.7	764.5	770.7	774.7	781.7	784.6	783.8
77.5°	665.7	667.3	673.3	676.7	681.8	685.4	693.4	699.8	712.6	718.3	712.6
80°	567.1	568.7	575.0	578.1	584.9	589.2	598.2	605.7	617.2	619.6	616.4
82.5°	445.9	446.2	451.9	454.3	463.1	469.5	480.8	486.8	493.9	492.8	492.0
85°	304.0	308.1	315.1	322.1	332.9	343.3	354.0	362.9	356.6	366.4	355.4
87.5°	162.5	162.1	171.5	170.0	185.2	193.9	203.2	207.6	212.5	211.6	211.7
90°	51.0	48.2	48.0	45.1	45.5	42.4	43.7	40.7	42.5	39.0	44.3
92.5°	52.3	50.1	47.7	45.5	43.1	40.9	38.5	36.3	33.9	31.7	33.9
95°	63.8	61.6	59.6	57.3	55.3	53.1	51.1	48.9	46.8	44.7	47.3
97.5°	78.5	77.3	76.1	74.8	73.6	72.3	71.1	69.9	68.6	67.3	69.1
100°	88.6	88.6	88.6	88.6	88.3	88.3	88.3	88.3	88.3	88.3	89.7
102.5°	168.3	164.3	160.3	156.1	152.0	148.0	144.0	139.9	135.8	131.8	137.8
105°	378.5	362.7	346.7	330.8	314.8	299.0	283.1	267.2	251.3	235.5	251.9
107.5°	701.4	672.4	643.3	614.5	585.4	556.5	527.6	498.7	469.8	440.8	466.8
110°	978.3	947.5	916.8	886.0	855.3	824.5	793.9	763.1	732.5	701.8	726.5



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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°	1090.5	1070.4	1050.5	1030.8	1010.9	991.1	971.3	951.6	931.8	912.1	924.1
115°	1075.7	1066.3	1056.7	1047.3	1037.8	1028.2	1018.8	1009.5	1000.1	990.8	991.5
117.5°	986.9	983.5	980.4	977.1	973.9	970.8	967.7	964.7	961.6	958.7	952.0
120°	858.8	859.6	860.4	861.4	862.4	863.6	864.5	865.7	866.9	868.1	859.1
122.5°	732.6	734.7	736.9	739.3	741.6	744.0	746.5	749.1	751.8	754.4	745.4
125°	622.9	625.0	627.2	629.4	631.4	634.1	636.5	639.1	641.7	644.5	636.9
127.5°	544.1	544.7	545.2	546.1	546.8	547.8	548.7	549.9	551.2	552.5	547.7
130°	494.5	493.6	492.4	491.6	490.6	490.0	489.3	488.9	488.4	488.1	486.1
132.5°	466.3	464.1	462.0	459.9	458.0	456.2	454.4	453.0	451.5	450.2	449.5
135°	451.3	448.4	445.5	442.8	440.1	437.6	435.2	433.0	430.9	428.8	429.3
137.5°	441.6	438.8	435.9	433.1	430.3	428.1	425.5	423.2	421.1	419.2	420.0
140°	438.5	435.6	432.8	430.1	427.6	425.1	422.7	420.6	418.3	416.5	416.9
142.5°	433.8	431.4	428.7	426.4	423.9	421.7	419.6	417.7	415.4	413.8	414.4
145°	430.5	428.7	426.8	424.9	423.2	421.6	419.7	418.4	417.0	416.0	416.3
147.5°	425.5	424.3	422.7	421.4	419.9	418.9	417.7	416.6	415.6	414.8	414.9
150°	418.4	417.6	416.6	415.7	414.9	414.1	413.4	412.7	412.1	411.5	411.4
152.5°	410.4	409.6	408.8	408.0	407.3	406.6	406.0	405.4	404.9	404.4	404.3
155°	400.7	400.3	400.0	399.8	399.4	399.3	398.9	399.0	398.8	398.8	398.9
157.5°	395.3	395.3	395.1	395.2	395.2	395.3	395.2	395.5	395.4	395.6	395.9
160°	392.9	392.8	392.5	392.5	392.4	392.2	392.1	392.2	392.1	392.1	392.5
162.5°	390.4	390.7	390.8	391.1	391.4	391.5	391.9	392.4	392.6	392.9	393.3
165°	391.8	391.7	391.7	391.6	391.7	391.8	391.9	392.1	392.2	392.4	392.9
167.5°	391.9	392.2	392.3	392.6	392.9	393.2	393.5	394.0	394.4	395.0	395.5
170°	395.1	395.1	395.1	395.1	395.1	395.3	395.4	395.5	395.7	395.9	396.2
172.5°	399.5	399.5	399.3	399.5	399.3	399.5	399.5	399.6	399.6	399.7	399.9
175°	401.2	401.6	401.8	402.0	402.1	402.2	402.4	402.6	402.8	403.1	403.1
177.5°	403.6	403.7	403.7	403.7	403.7	403.8	403.8	403.8	403.8	403.7	403.9
180°	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3



TEST NUMBER: P1444462
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CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1
2.5°	29493.8	29479.0	29494.1	29478.8	29494.1	29475.7	29488.2	29468.3	29473.4	29452.7	29458.0
5°	30608.9	30585.4	30598.0	30567.3	30570.6	30529.8	30529.0	30481.5	30469.0	30414.9	30391.1
7.5°	31510.7	31503.0	31507.3	31487.7	31485.4	31457.6	31444.3	31405.0	31380.3	31330.5	31296.5
10°	31367.9	31391.0	31396.9	31420.3	31425.2	31448.4	31453.3	31476.5	31481.3	31498.5	31498.7
12.5°	29940.2	30018.3	30037.0	30133.4	30174.0	30284.4	30343.5	30465.1	30537.3	30658.5	30732.9
15°	27189.8	27324.8	27378.7	27567.0	27671.1	27891.0	28029.0	28281.4	28459.6	28727.5	28918.8
17.5°	23404.3	23593.0	23678.1	23933.5	24100.0	24424.5	24658.3	25043.2	25337.8	25765.5	26104.5
20°	19206.5	19416.2	19531.8	19823.1	20019.6	20398.7	20690.6	21163.5	21557.9	22099.9	22563.3
22.5°	15145.4	15345.0	15473.3	15769.7	15990.9	16386.3	16712.6	17211.7	17653.6	18264.3	18820.0
25°	11628.8	11811.7	11927.7	12195.8	12403.6	12766.9	13078.4	13558.5	13990.9	14603.4	15173.2
27.5°	8890.0	9043.3	9155.1	9383.7	9567.0	9875.1	10142.7	10539.4	10912.0	11441.9	11949.3
30°	6806.0	6941.9	7050.7	7249.8	7419.7	7686.8	7922.1	8255.4	8563.7	8985.4	9389.0
32.5°	5201.0	5317.9	5414.8	5589.1	5743.2	5983.8	6195.8	6487.9	6752.5	7110.2	7442.2
35°	3965.6	4195.6	4179.3	4419.6	4458.3	4630.9	4820.0	5075.5	5309.8	5613.9	5896.6
37.5°	3077.9	3142.6	3211.9	3318.1	3429.8	3586.8	3746.6	4058.7	4173.1	4403.0	4636.9
40°	2482.0	2525.7	2571.5	2643.3	2721.4	2832.1	2948.5	3097.3	3249.9	3436.2	3626.6
42.5°	2098.3	2123.1	2152.2	2194.4	2242.6	2312.7	2390.6	2491.6	2597.6	2728.8	2862.7
45°	1874.7	1863.0	1871.6	1894.3	1923.3	1966.0	2015.1	2077.6	2146.7	2231.7	2322.1
47.5°	1666.3	1671.1	1673.6	1686.0	1701.5	1730.1	1759.9	1802.3	1884.3	1909.2	1958.6
50°	1528.6	1531.0	1530.2	1536.4	1544.4	1562.9	1582.2	1611.0	1639.6	1677.6	1713.9
52.5°	1413.2	1416.5	1416.0	1420.1	1424.4	1436.2	1448.3	1468.7	1487.4	1511.6	1532.5
55°	1322.2	1326.6	1328.3	1331.7	1333.8	1340.0	1344.8	1354.5	1362.5	1376.2	1388.9
57.5°	1252.1	1258.1	1260.9	1262.1	1259.6	1259.3	1257.7	1259.8	1261.4	1268.7	1275.8
60°	1196.9	1201.8	1202.5	1201.8	1197.2	1194.0	1188.8	1187.2	1186.3	1189.9	1193.7
62.5°	1139.1	1140.9	1139.7	1138.3	1133.1	1130.0	1124.6	1122.6	1120.8	1123.3	1125.4
65°	1059.2	1060.7	1059.2	1058.4	1053.8	1051.3	1046.8	1045.3	1042.7	1043.3	1042.8
67.5°	994.4	995.9	994.7	993.5	990.3	988.8	985.4	983.3	980.2	979.0	976.8
70°	929.7	930.9	929.0	927.9	924.3	922.8	919.7	919.0	916.6	916.0	913.5
72.5°	855.3	855.4	852.9	852.1	849.4	849.3	848.0	849.2	849.0	850.3	849.8
75°	779.2	778.1	774.9	774.4	772.3	773.3	771.8	773.7	773.9	776.7	777.1
77.5°	703.0	699.0	692.9	690.0	685.9	685.3	683.0	684.5	684.0	687.3	688.6
80°	606.7	601.8	594.0	590.2	585.3	584.6	582.4	584.6	583.5	587.3	589.9
82.5°	484.4	480.2	472.0	468.9	463.4	463.9	461.5	463.9	463.6	469.2	472.4
85°	358.3	355.5	347.1	339.7	331.3	326.4	321.7	320.8	319.4	321.7	323.6
87.5°	206.9	204.4	197.7	193.4	178.9	179.6	173.9	173.5	172.1	170.8	173.9
90°	44.0	48.6	48.5	52.7	53.1	57.9	58.6	63.2	63.5	68.2	69.1
92.5°	36.3	38.5	40.8	43.1	45.4	47.7	50.0	52.3	57.2	61.9	67.1
95°	49.9	52.6	55.3	57.9	60.5	63.2	65.9	68.5	75.7	82.9	90.1
97.5°	71.0	72.6	74.4	76.2	77.9	79.6	81.4	83.2	91.0	98.8	106.6
100°	91.1	92.5	94.0	95.5	96.9	98.3	99.7	101.1	116.3	131.3	146.3
102.5°	143.8	149.8	155.8	161.8	167.9	173.9	179.8	185.8	220.3	254.7	289.1
105°	268.3	284.7	301.2	317.6	334.0	350.4	366.9	383.3	438.4	493.5	548.7
107.5°	492.7	518.6	544.5	570.5	596.5	622.4	648.4	674.4	728.1	782.1	835.7
110°	751.1	776.0	800.6	825.4	850.1	874.9	899.6	924.6	956.9	989.1	1021.4



TEST NUMBER: P1444462
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CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	936.1	948.1	960.2	972.3	984.4	996.7	1008.7	1020.9	1037.0	1053.2	1069.3
115°	992.3	993.0	993.8	994.8	995.6	996.5	997.6	998.5	1003.8	1008.8	1014.0
117.5°	945.4	938.8	932.3	925.7	919.3	913.0	906.6	900.4	899.3	898.4	897.6
120°	850.4	841.6	832.8	823.9	815.4	806.7	798.3	789.8	785.5	781.2	777.1
122.5°	736.6	727.9	719.2	710.4	701.9	693.4	685.1	676.8	673.9	670.9	668.1
125°	629.5	622.2	614.9	607.8	600.8	593.9	587.0	580.3	580.3	580.1	580.3
127.5°	543.3	538.8	534.5	530.4	526.3	522.2	518.3	514.3	516.4	518.5	520.5
130°	484.1	482.2	480.5	478.8	477.3	475.8	474.3	473.0	476.6	480.1	483.6
132.5°	449.4	449.1	449.1	449.0	449.2	449.3	449.7	449.8	453.9	457.9	462.0
135°	429.9	430.4	431.4	432.1	433.3	434.3	435.5	436.5	440.5	444.2	448.2
137.5°	421.0	421.9	423.1	424.2	425.7	427.1	428.6	430.0	433.2	436.2	439.3
140°	417.9	418.5	419.6	420.7	421.8	422.8	424.2	425.4	428.1	430.4	432.9
142.5°	415.3	415.8	416.8	417.9	419.0	419.9	421.1	422.2	424.0	425.8	428.0
145°	416.8	417.4	418.2	418.7	419.6	420.4	421.3	422.2	423.5	424.5	425.8
147.5°	415.3	415.6	416.2	416.7	417.4	418.0	418.4	419.0	419.9	420.7	421.5
150°	411.7	411.8	412.1	412.2	412.7	413.1	413.6	413.7	414.5	415.1	416.0
152.5°	404.7	404.7	404.9	405.1	405.5	405.8	406.0	406.3	407.1	407.6	408.3
155°	399.1	399.6	400.0	400.3	400.9	401.1	401.7	401.9	402.5	402.9	403.4
157.5°	396.2	396.5	397.0	397.3	397.7	398.1	398.6	398.9	399.4	399.7	400.2
160°	393.1	393.7	394.3	394.7	395.4	395.9	396.5	397.2	397.5	397.9	398.3
162.5°	393.8	394.2	394.6	394.9	395.4	395.8	396.1	396.5	397.3	397.7	398.4
165°	393.5	394.1	394.8	395.1	395.9	396.4	397.0	397.5	397.9	398.3	398.7
167.5°	396.0	396.4	397.2	397.6	398.2	398.8	399.3	399.9	400.3	400.5	400.9
170°	396.8	397.3	397.8	398.2	398.7	399.1	399.7	400.2	400.7	401.2	401.8
172.5°	400.3	400.7	401.1	401.3	401.8	402.2	402.6	403.0	403.4	403.8	404.3
175°	403.1	403.1	403.2	403.3	403.4	403.4	403.5	403.7	403.8	403.9	404.0
177.5°	404.1	404.3	404.5	404.6	404.8	404.9	405.1	405.3	405.3	405.3	405.3
180°	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3



TEST NUMBER: P1444462
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CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1
2.5°	29437.4	29438.7	29414.9	29413.7	29391.4	29388.6	29366.9	29360.3	29342.7	29336.3	29318.4
5°	30330.5	30301.6	30234.8	30195.5	30129.4	30085.7	30014.2	29967.6	29898.6	29846.5	29777.1
7.5°	31233.8	31188.8	31113.8	31053.0	30961.4	30888.3	30781.0	30693.1	30577.0	30476.5	30354.5
10°	31498.7	31491.8	31472.7	31444.8	31402.2	31354.3	31281.3	31205.1	31103.4	30992.8	30857.3
12.5°	30846.9	30917.3	31013.2	31070.2	31139.3	31169.6	31198.0	31190.9	31172.3	31116.3	31037.9
15°	29195.7	29393.5	29655.4	29858.3	30091.9	30261.5	30448.9	30565.7	30682.3	30736.0	30768.9
17.5°	26569.0	26943.5	27413.2	27802.3	28251.3	28612.0	29007.3	29304.9	29611.0	29830.2	30028.5
20°	23195.1	23737.7	24401.8	24988.6	25670.8	26263.7	26913.4	27446.8	27996.8	28427.0	28834.1
22.5°	19535.4	20179.9	20982.8	21726.7	22606.2	23396.6	24288.5	25064.6	25875.1	26552.1	27206.8
25°	15936.9	16643.5	17521.5	18351.4	19347.5	20267.0	21324.6	22292.0	23339.5	24249.0	25147.4
27.5°	12650.8	13344.6	14241.0	15124.4	16177.7	17157.4	18290.6	19356.5	20549.1	21649.0	22774.1
30°	9950.0	10538.4	11342.1	12197.8	13236.7	14233.7	15379.2	16475.4	17716.1	18917.0	20184.3
32.5°	7883.1	8331.4	8963.3	9686.8	10645.3	11594.4	12685.1	13743.3	14965.1	16178.3	17496.3
35°	6260.6	6610.3	7092.0	7656.7	8468.4	9286.4	10251.2	11213.6	12353.5	13504.6	14785.8
37.5°	4936.8	5220.6	5597.9	6022.0	6673.1	7344.5	8135.6	8933.4	9923.9	10944.2	12105.3
40°	3855.1	4084.8	4378.6	4694.9	5186.6	5703.8	6315.7	6934.4	7730.1	8564.0	9524.9
42.5°	3028.5	3198.0	3405.5	3636.6	4095.3	4369.9	4784.8	5232.3	5817.3	6422.7	7145.1
45°	2432.2	2547.8	2691.6	2846.7	3059.6	3292.5	3576.7	3874.6	4430.4	4703.0	5142.3
47.5°	2031.1	2108.7	2200.2	2297.9	2423.5	2559.0	2727.5	2899.8	3122.6	3353.5	3624.3
50°	1761.0	1839.9	1871.3	1921.9	1994.6	2072.0	2167.0	2262.0	2381.5	2502.6	2642.0
52.5°	1560.5	1586.2	1620.4	1652.5	1697.6	1785.7	1814.2	1863.9	1930.9	1996.4	2069.7
55°	1407.4	1424.2	1446.4	1465.9	1493.0	1519.1	1556.6	1589.7	1634.4	1673.9	1722.4
57.5°	1288.3	1298.9	1314.4	1327.1	1344.7	1359.4	1381.4	1399.3	1425.0	1447.4	1476.8
60°	1201.6	1208.8	1219.1	1227.5	1238.7	1246.4	1257.3	1265.7	1279.3	1290.6	1307.0
62.5°	1131.0	1134.6	1141.4	1146.3	1153.4	1157.3	1163.1	1166.8	1174.3	1180.0	1189.2
65°	1046.1	1047.0	1051.5	1053.5	1059.1	1061.2	1066.0	1067.7	1073.8	1078.1	1086.1
67.5°	976.6	974.6	974.7	973.1	973.9	972.2	972.7	971.0	973.4	974.7	980.9
70°	913.1	910.4	909.5	906.6	905.7	902.7	901.9	899.1	898.9	898.0	900.2
72.5°	851.2	850.4	850.7	848.7	848.5	846.4	846.5	845.2	846.6	847.3	850.1
75°	780.1	780.3	781.7	779.9	780.4	778.7	779.3	777.7	778.6	778.2	781.0
77.5°	693.5	695.6	699.3	698.6	699.8	697.8	698.7	696.4	697.1	695.6	696.6
80°	596.1	600.4	605.5	605.3	607.5	606.1	608.0	605.9	606.7	604.1	603.4
82.5°	480.5	484.2	489.6	489.8	494.6	495.4	500.7	500.5	503.9	501.7	500.2
85°	328.5	331.0	335.7	338.3	343.2	346.2	351.3	353.3	349.7	356.3	351.1
87.5°	171.5	177.9	174.3	182.7	180.7	189.1	187.3	195.1	193.5	200.3	199.4
90°	75.0	76.4	82.6	84.3	91.5	93.9	96.3	93.4	95.5	92.7	95.0
92.5°	71.8	77.0	82.0	86.8	91.8	96.9	92.2	87.6	83.0	78.5	73.8
95°	97.3	104.6	111.8	119.1	126.3	133.5	125.7	118.0	110.3	102.6	94.8
97.5°	114.4	122.1	129.8	137.6	145.5	153.2	144.1	134.9	125.7	116.6	107.5
100°	161.3	176.4	191.4	206.4	221.4	236.4	219.4	202.3	185.3	168.1	151.1
102.5°	323.7	358.1	392.6	427.0	461.4	495.9	459.6	423.6	387.3	351.1	314.7
105°	603.8	659.0	714.1	769.1	824.3	879.7	820.8	762.0	703.3	644.6	585.7
107.5°	889.5	943.3	997.2	1050.9	1104.8	1158.7	1099.1	1039.5	979.9	920.3	860.6
110°	1053.9	1086.1	1118.5	1151.0	1183.3	1215.8	1172.3	1128.9	1085.4	1041.8	998.4



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CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	1085.6	1101.9	1118.1	1134.5	1150.7	1167.0	1135.9	1105.0	1073.8	1042.9	1011.6
115°	1019.2	1024.5	1029.8	1035.1	1040.2	1045.6	1024.7	1003.7	982.9	961.9	940.8
117.5°	896.8	896.1	895.1	894.6	893.6	892.9	881.3	869.5	857.8	846.1	834.4
120°	772.7	768.7	764.4	760.2	756.0	751.7	746.8	742.0	737.0	732.1	727.0
122.5°	665.1	662.3	659.3	656.6	653.5	650.6	648.9	647.1	645.1	643.2	641.3
125°	580.3	580.3	580.2	580.3	580.1	580.2	579.3	578.4	577.5	576.6	575.6
127.5°	522.5	524.7	526.5	528.6	530.5	532.4	532.2	532.1	532.0	531.8	531.6
130°	486.9	490.6	493.9	497.3	500.6	504.0	503.5	503.1	502.6	502.2	501.7
132.5°	465.9	469.9	473.8	477.8	481.6	485.5	484.8	484.4	483.5	483.1	482.4
135°	451.9	455.8	459.4	463.2	466.7	470.3	469.5	468.8	467.9	467.2	466.4
137.5°	442.2	445.4	448.3	451.3	454.0	457.0	456.1	455.4	454.4	453.8	452.9
140°	435.2	437.5	439.8	442.2	444.5	446.8	445.7	444.7	443.6	442.6	441.4
142.5°	429.7	431.5	433.1	435.0	436.7	438.5	436.7	435.3	433.8	432.3	430.8
145°	427.0	428.3	429.4	430.6	431.4	432.7	430.9	429.2	427.2	425.5	423.8
147.5°	422.3	423.0	423.5	424.3	424.7	425.5	423.8	422.1	420.4	418.5	416.8
150°	416.5	417.2	417.8	418.3	418.9	419.6	417.7	415.9	413.9	412.2	410.4
152.5°	409.0	409.4	410.0	410.5	411.0	411.5	409.6	408.2	406.3	404.5	402.8
155°	403.7	404.2	404.5	404.8	404.9	405.3	403.7	402.4	400.9	399.5	397.9
157.5°	400.4	400.9	401.2	401.5	401.7	401.9	400.9	399.9	398.6	397.5	396.3
160°	398.7	398.9	399.3	399.5	399.8	400.0	399.0	398.3	397.3	396.2	395.2
162.5°	398.9	399.3	399.8	400.2	400.6	401.1	400.0	398.9	397.8	396.7	395.4
165°	398.9	399.3	399.6	400.0	400.1	400.3	399.6	398.9	398.1	397.4	396.5
167.5°	401.2	401.6	401.8	402.1	402.2	402.4	401.8	401.1	400.3	399.4	398.6
170°	402.0	402.4	402.9	403.3	403.6	403.9	403.3	402.8	402.0	401.5	400.7
172.5°	404.7	404.9	405.1	405.6	405.8	406.2	405.5	404.8	404.2	403.5	402.8
175°	404.0	404.2	404.4	404.4	404.4	404.5	403.9	403.4	402.9	402.3	401.8
177.5°	405.3	405.3	405.3	405.2	405.2	405.2	404.8	404.5	404.2	403.8	403.3
180°	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3



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CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1	29129.1
2.5°	29312.1	29299.3	29291.1	29280.7	29274.3	29266.2	29260.3	29255.2	29251.1	29247.3	29244.5
5°	29724.2	29658.7	29607.9	29552.8	29507.5	29462.5	29427.6	29398.9	29379.0	29364.1	29355.2
7.5°	30249.0	30129.1	30022.5	29910.1	29809.5	29710.5	29625.2	29551.8	29496.6	29460.8	29439.2
10°	30717.7	30557.1	30398.4	30231.2	30072.8	29918.9	29777.1	29652.4	29553.5	29487.9	29449.6
12.5°	30927.7	30790.9	30628.8	30447.3	30253.1	30056.6	29865.1	29692.4	29547.5	29450.1	29394.0
15°	30742.7	30686.6	30576.5	30435.6	30251.4	30048.2	29823.3	29612.0	29417.5	29291.4	29218.4
17.5°	30140.9	30219.3	30210.8	30157.0	30024.4	29853.5	29624.3	29386.9	29143.6	28975.1	28883.0
20°	29125.2	29371.5	29496.6	29560.7	29508.7	29397.8	29190.3	28949.4	28665.8	28445.8	28311.6
22.5°	27697.9	28132.8	28403.9	28602.2	28644.4	28606.5	28423.4	28194.2	27878.2	27613.7	27415.4
25°	25860.5	26497.8	26926.2	27262.0	27392.4	27426.1	27270.2	27042.3	26690.0	26381.9	26109.5
27.5°	23696.3	24524.3	25096.3	25547.5	25751.3	25839.6	25696.1	25463.6	25046.8	24679.0	24323.2
30°	21259.8	22242.2	22930.9	23472.0	23720.3	23837.0	23684.5	23425.0	22940.1	22497.5	22049.2
32.5°	18652.0	19727.1	20477.5	21065.1	21311.2	21420.9	21221.5	20930.0	20369.6	19848.1	19325.4
35°	15921.8	17006.8	17763.6	18335.5	18541.8	18607.9	18352.9	18016.0	17395.1	16822.7	16252.7
37.5°	13135.8	14145.3	14833.2	15346.5	15474.1	15485.5	15178.2	14806.2	14153.5	13589.1	13021.8
40°	10374.1	11225.3	11780.7	12191.5	12235.9	12196.3	11862.3	11487.8	10877.2	10371.6	9873.6
42.5°	7772.5	8415.1	8811.3	9092.9	9076.1	8998.1	8691.8	8370.0	7866.2	7481.1	7089.1
45°	5543.7	5967.5	6199.1	6363.9	6311.0	6236.6	5998.2	5772.7	5430.3	5181.6	4918.2
47.5°	3851.3	4357.3	4269.2	4591.4	4313.8	4497.1	4115.4	3905.0	3723.3	3591.2	3442.3
50°	2757.2	2873.2	2929.2	2967.4	2947.1	2918.9	2850.3	2789.1	2706.1	2645.5	2575.1
52.5°	2129.3	2187.3	2219.1	2242.0	2237.5	2227.2	2197.3	2170.0	2131.2	2105.5	2074.7
55°	1803.6	1804.5	1862.9	1837.8	1874.8	1831.5	1848.5	1800.4	1808.2	1767.0	1739.3
57.5°	1498.7	1522.5	1533.2	1543.5	1540.6	1538.8	1527.2	1521.4	1508.4	1504.4	1495.1
60°	1318.3	1330.8	1333.4	1338.1	1334.2	1332.6	1323.6	1320.3	1311.6	1309.9	1303.8
62.5°	1194.7	1201.0	1201.0	1201.0	1195.8	1190.8	1180.8	1175.6	1168.1	1166.5	1162.9
65°	1091.5	1098.0	1099.1	1100.5	1096.7	1092.9	1084.0	1078.2	1070.6	1067.7	1063.5
67.5°	984.9	991.9	994.3	997.9	995.7	994.9	988.9	986.6	981.6	980.4	976.6
70°	901.2	904.1	903.9	903.8	899.1	894.8	887.8	884.4	879.2	878.1	874.7
72.5°	851.5	853.5	852.2	850.3	844.3	838.0	829.7	823.7	816.8	812.5	807.6
75°	781.4	784.1	782.3	781.2	775.7	771.6	765.0	761.6	756.8	755.4	752.0
77.5°	695.3	696.6	693.8	693.5	689.3	686.7	681.7	680.9	677.3	677.4	674.1
80°	599.6	598.8	594.3	593.4	589.2	588.2	584.2	584.5	581.7	582.8	580.6
82.5°	493.4	490.6	484.7	483.0	478.1	477.7	475.1	477.3	475.6	478.1	476.6
85°	353.5	354.4	351.7	351.7	350.3	350.7	350.5	352.1	352.4	354.7	354.6
87.5°	197.1	199.9	199.4	202.0	201.9	204.8	205.8	210.1	210.7	214.6	214.6
90°	92.3	94.8	92.0	94.8	93.6	97.3	96.9	100.7	99.7	102.8	100.9
92.5°	69.2	64.6	60.1	55.5	53.2	50.6	48.8	46.0	44.0	41.4	39.2
95°	87.0	79.3	71.6	63.8	61.2	58.5	55.7	53.1	50.5	47.9	45.1
97.5°	98.4	89.2	80.0	70.8	68.5	66.2	63.8	61.5	59.2	57.0	54.6
100°	133.9	116.8	99.9	82.6	80.7	78.8	76.8	74.8	73.0	70.9	68.9
102.5°	278.5	242.2	205.9	169.5	162.7	155.8	148.9	141.9	135.1	128.1	121.3
105°	526.9	468.1	409.2	350.3	331.6	313.0	294.2	275.5	256.8	238.1	219.4
107.5°	801.0	741.1	681.5	621.7	587.2	552.7	518.1	483.4	449.0	414.3	379.7
110°	954.9	911.2	867.6	823.8	796.2	768.3	740.5	712.6	684.9	656.8	629.0



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CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	980.5	949.4	918.2	886.8	874.2	861.6	849.0	836.4	823.8	811.0	798.5
115°	919.8	898.9	877.7	856.4	852.2	847.7	843.3	838.7	834.3	829.7	825.1
117.5°	822.7	810.8	799.0	787.1	788.0	788.6	789.5	790.0	790.8	791.2	791.9
120°	722.0	717.1	712.0	706.9	710.9	714.6	718.5	722.1	725.9	729.4	733.1
122.5°	639.4	637.3	635.5	633.4	638.2	642.8	647.5	651.9	656.4	660.6	665.1
125°	574.8	573.7	572.8	571.7	576.5	581.1	585.8	590.2	594.9	599.1	603.4
127.5°	531.4	531.2	531.0	530.7	534.3	537.5	540.9	543.9	547.1	549.9	552.9
130°	501.2	500.7	500.3	499.7	502.8	505.8	508.9	511.6	514.5	517.0	519.5
132.5°	481.8	481.1	480.6	479.8	482.2	484.3	486.5	488.3	490.3	491.9	493.6
135°	465.6	464.7	464.0	463.0	465.2	467.2	469.2	470.9	472.9	474.3	475.8
137.5°	452.1	451.2	450.4	449.4	451.4	453.2	455.0	456.6	458.1	459.5	460.9
140°	440.4	439.3	438.4	437.2	438.8	440.4	442.1	443.4	444.9	446.0	447.2
142.5°	429.3	427.5	426.4	424.6	425.9	427.0	428.2	429.2	430.2	431.0	431.7
145°	422.0	420.0	418.3	416.6	417.5	418.3	419.3	420.2	420.8	421.3	422.0
147.5°	415.1	413.3	411.5	409.7	410.6	411.2	411.7	412.2	412.9	413.3	413.6
150°	408.6	406.5	404.7	402.7	403.3	403.8	404.2	404.8	405.3	405.5	405.8
152.5°	401.0	399.1	397.4	395.4	395.9	396.2	396.5	396.8	397.2	397.4	397.6
155°	396.4	394.8	393.2	391.5	392.0	392.3	392.4	392.7	392.9	393.0	393.0
157.5°	395.1	393.6	392.6	391.2	391.3	391.4	391.4	391.2	391.2	391.0	390.9
160°	394.3	393.0	392.0	390.9	390.9	390.9	390.9	390.7	390.5	390.3	390.1
162.5°	394.2	392.9	391.6	390.3	390.3	390.4	390.3	390.1	390.0	389.8	389.6
165°	395.7	394.7	393.8	392.8	392.7	392.4	392.3	391.8	391.6	391.3	390.9
167.5°	397.6	396.8	395.8	394.7	394.8	394.8	394.8	394.7	394.5	394.4	394.3
170°	400.1	399.2	398.6	397.7	397.5	397.4	397.2	397.0	396.6	396.4	396.1
172.5°	402.0	401.3	400.5	399.6	399.6	399.4	399.2	399.1	398.9	398.6	398.5
175°	401.2	400.6	400.0	399.4	399.2	399.1	399.0	398.9	398.8	398.7	398.4
177.5°	403.0	402.7	402.1	401.8	401.6	401.6	401.5	401.4	401.4	401.3	401.2
180°	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3



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CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	29129.1	29129.1
2.5°	29241.9	29240.4
5°	29350.6	29348.9
7.5°	29433.3	29432.8
10°	29443.0	29448.1
12.5°	29384.3	29388.4
15°	29212.8	29220.7
17.5°	28884.7	28895.2
20°	28319.7	28330.7
22.5°	27404.7	27409.2
25°	26074.3	26055.5
27.5°	24260.7	24228.2
30°	21955.1	21923.7
32.5°	19206.2	19186.5
35°	16111.9	16099.5
37.5°	12854.1	12828.8
40°	9691.4	9617.8
42.5°	6917.5	6788.2
45°	4780.6	4627.4
47.5°	3337.3	3242.7
50°	2529.6	2499.0
52.5°	2061.2	2054.1
55°	1739.2	1736.0
57.5°	1497.1	1496.0
60°	1307.0	1306.7
62.5°	1165.3	1165.8
65°	1065.4	1065.6
67.5°	977.5	976.9
70°	875.9	875.2
72.5°	806.0	804.8
75°	752.0	751.2
77.5°	675.2	674.0
80°	582.1	580.6
82.5°	478.8	477.1
85°	357.1	357.3
87.5°	218.5	218.4
90°	103.9	101.4
92.5°	37.1	35.0
95°	42.5	39.9
97.5°	52.4	50.0
100°	67.1	65.1
102.5°	114.4	107.5
105°	200.7	182.0
107.5°	345.2	310.6
110°	601.1	573.3



TEST NUMBER: P1444462
CATALOG NUMBER: EHBR1-36-UNV-TA-L830-UPL30

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	785.6	772.9
115°	820.4	815.8
117.5°	792.3	792.6
120°	736.3	739.9
122.5°	669.0	673.1
125°	607.4	611.5
127.5°	555.6	558.2
130°	521.7	524.0
132.5°	495.0	496.2
135°	476.9	478.0
137.5°	461.7	462.7
140°	447.8	448.7
142.5°	432.3	432.9
145°	422.4	422.7
147.5°	413.5	413.7
150°	405.9	406.1
152.5°	397.5	397.7
155°	393.0	393.0
157.5°	390.5	390.4
160°	389.9	389.7
162.5°	389.3	389.1
165°	390.3	390.0
167.5°	394.0	393.9
170°	395.8	395.6
172.5°	398.2	397.9
175°	398.3	398.2
177.5°	401.2	401.0
180°	403.3	403.3

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-2

Test Date: 07/31/2025

Luminaire Tested: EHBR-60-L830-N

Data in this report applies to families of products including EHBR-60-L830-N

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-2
 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-L830-N**
 Description: Elevate Round Highbay at, 60000 lumens, 3000K 80CRI LEDs with N lens

Spectral Parameters

CCT (K): 2983
 CIE u': 0.2516
 CIE v': 0.5201
 Duv: -0.0012
 CIE x: 0.4364
 CIE y: 0.4010
 CIE z: 0.1626
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 583
 Purity: 51.34918
 Rf: 81.2
 Rg: 101.5

CRI (Ra):	83.4		
R1:	84.0	R9:	29.4
R2:	87.5	R10:	68.6
R3:	88.9	R11:	82.2
R4:	83.8	R12:	61.6
R5:	81.9	R13:	83.9
R6:	83.1	R14:	92.5
R7:	87.1	R15:	79.8
R8:	70.9		



Test Conditions

Stabilization Time: 38M
 Operation Time: 1H 38M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-2

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: SP1-2506-472-2

CIE 1931 Chromaticity Diagram



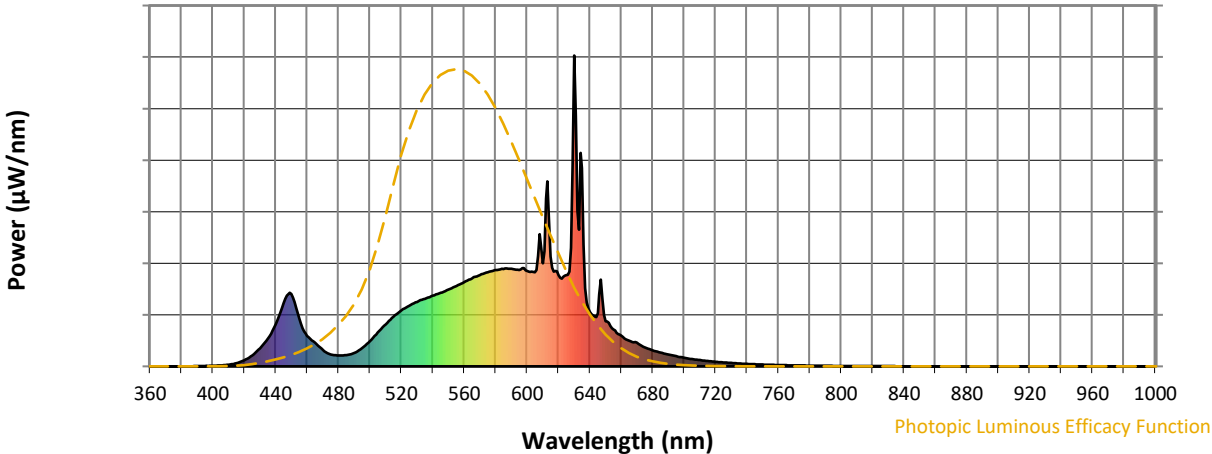
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-2

Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	43	NR	620	294	NR	750	6	NR	880	0	NR
365	0	NR	495	59	NR	625	294	NR	755	5	NR	885	0	NR
370	0	NR	500	81	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	109	NR	635	637	NR	765	4	NR	895	0	NR
380	0	NR	510	135	NR	640	175	NR	770	3	NR	900	0	NR
385	0	NR	515	160	NR	645	171	NR	775	3	NR	905	0	NR
390	1	NR	520	180	NR	650	146	NR	780	2	NR	910	0	NR
395	1	NR	525	195	NR	655	119	NR	785	2	NR	915	0	NR
400	2	NR	530	207	NR	660	99	NR	790	2	NR	920	0	NR
405	3	NR	535	218	NR	665	82	NR	795	2	NR	925	0	NR
410	5	NR	540	227	NR	670	76	NR	800	1	NR	930	0	NR
415	10	NR	545	237	NR	675	61	NR	805	1	NR	935	0	NR
420	20	NR	550	247	NR	680	52	NR	810	1	NR	940	0	NR
425	35	NR	555	259	NR	685	44	NR	815	1	NR	945	0	NR
430	58	NR	560	271	NR	690	38	NR	820	1	NR	950	0	NR
435	90	NR	565	283	NR	695	33	NR	825	1	NR	955	0	NR
440	135	NR	570	293	NR	700	27	NR	830	1	NR	960	0	NR
445	204	NR	575	303	NR	705	24	NR	835	1	NR	965	0	NR
450	233	NR	580	310	NR	710	20	NR	840	0	NR	970	0	NR
455	153	NR	585	313	NR	715	17	NR	845	0	NR	975	0	NR
460	98	NR	590	314	NR	720	15	NR	850	0	NR	980	0	NR
465	76	NR	595	310	NR	725	13	NR	855	0	NR	985	0	NR
470	53	NR	600	307	NR	730	11	NR	860	0	NR	990	0	NR
475	39	NR	605	303	NR	735	9	NR	865	0	NR	995	0	NR
480	35	NR	610	331	NR	740	8	NR	870	0	NR	1000	0	NR
485	36	NR	615	353	NR	745	7	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-2

Scotopic Flux vs. Wavelength



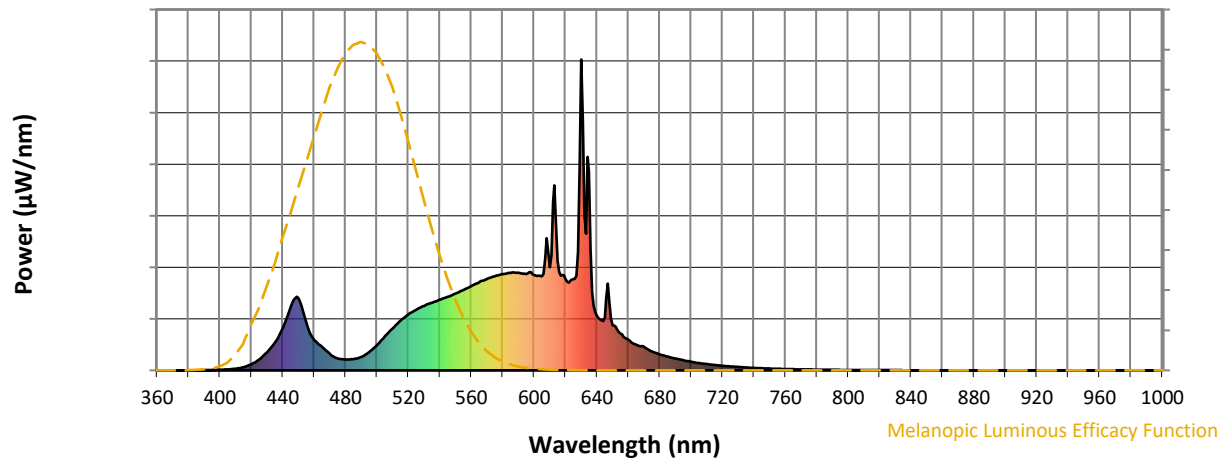
Scotopic Lumens: NR

S/P: 1.27

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	43	NR	620	294	NR	750	6	NR	880	0	NR
365	0	NR	495	59	NR	625	294	NR	755	5	NR	885	0	NR
370	0	NR	500	81	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	109	NR	635	637	NR	765	4	NR	895	0	NR
380	0	NR	510	135	NR	640	175	NR	770	3	NR	900	0	NR
385	0	NR	515	160	NR	645	171	NR	775	3	NR	905	0	NR
390	1	NR	520	180	NR	650	146	NR	780	2	NR	910	0	NR
395	1	NR	525	195	NR	655	119	NR	785	2	NR	915	0	NR
400	2	NR	530	207	NR	660	99	NR	790	2	NR	920	0	NR
405	3	NR	535	218	NR	665	82	NR	795	2	NR	925	0	NR
410	5	NR	540	227	NR	670	76	NR	800	1	NR	930	0	NR
415	10	NR	545	237	NR	675	61	NR	805	1	NR	935	0	NR
420	20	NR	550	247	NR	680	52	NR	810	1	NR	940	0	NR
425	35	NR	555	259	NR	685	44	NR	815	1	NR	945	0	NR
430	58	NR	560	271	NR	690	38	NR	820	1	NR	950	0	NR
435	90	NR	565	283	NR	695	33	NR	825	1	NR	955	0	NR
440	135	NR	570	293	NR	700	27	NR	830	1	NR	960	0	NR
445	204	NR	575	303	NR	705	24	NR	835	1	NR	965	0	NR
450	233	NR	580	310	NR	710	20	NR	840	0	NR	970	0	NR
455	153	NR	585	313	NR	715	17	NR	845	0	NR	975	0	NR
460	98	NR	590	314	NR	720	15	NR	850	0	NR	980	0	NR
465	76	NR	595	310	NR	725	13	NR	855	0	NR	985	0	NR
470	53	NR	600	307	NR	730	11	NR	860	0	NR	990	0	NR
475	39	NR	605	303	NR	735	9	NR	865	0	NR	995	0	NR
480	35	NR	610	331	NR	740	8	NR	870	0	NR	1000	0	NR
485	36	NR	615	353	NR	745	7	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.34

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	43	NR	620	294	NR	750	6	NR	880	0	NR
365	0	NR	495	59	NR	625	294	NR	755	5	NR	885	0	NR
370	0	NR	500	81	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	109	NR	635	637	NR	765	4	NR	895	0	NR
380	0	NR	510	135	NR	640	175	NR	770	3	NR	900	0	NR
385	0	NR	515	160	NR	645	171	NR	775	3	NR	905	0	NR
390	1	NR	520	180	NR	650	146	NR	780	2	NR	910	0	NR
395	1	NR	525	195	NR	655	119	NR	785	2	NR	915	0	NR
400	2	NR	530	207	NR	660	99	NR	790	2	NR	920	0	NR
405	3	NR	535	218	NR	665	82	NR	795	2	NR	925	0	NR
410	5	NR	540	227	NR	670	76	NR	800	1	NR	930	0	NR
415	10	NR	545	237	NR	675	61	NR	805	1	NR	935	0	NR
420	20	NR	550	247	NR	680	52	NR	810	1	NR	940	0	NR
425	35	NR	555	259	NR	685	44	NR	815	1	NR	945	0	NR
430	58	NR	560	271	NR	690	38	NR	820	1	NR	950	0	NR
435	90	NR	565	283	NR	695	33	NR	825	1	NR	955	0	NR
440	135	NR	570	293	NR	700	27	NR	830	1	NR	960	0	NR
445	204	NR	575	303	NR	705	24	NR	835	1	NR	965	0	NR
450	233	NR	580	310	NR	710	20	NR	840	0	NR	970	0	NR
455	153	NR	585	313	NR	715	17	NR	845	0	NR	975	0	NR
460	98	NR	590	314	NR	720	15	NR	850	0	NR	980	0	NR
465	76	NR	595	310	NR	725	13	NR	855	0	NR	985	0	NR
470	53	NR	600	307	NR	730	11	NR	860	0	NR	990	0	NR
475	39	NR	605	303	NR	735	9	NR	865	0	NR	995	0	NR
480	35	NR	610	331	NR	740	8	NR	870	0	NR	1000	0	NR
485	36	NR	615	353	NR	745	7	NR	875	0	NR			

Summary

$R_f = 81.2$
 $R_g = 101.5$
 CIE $R_a = 83.4$
 $R_9 = 29.4$

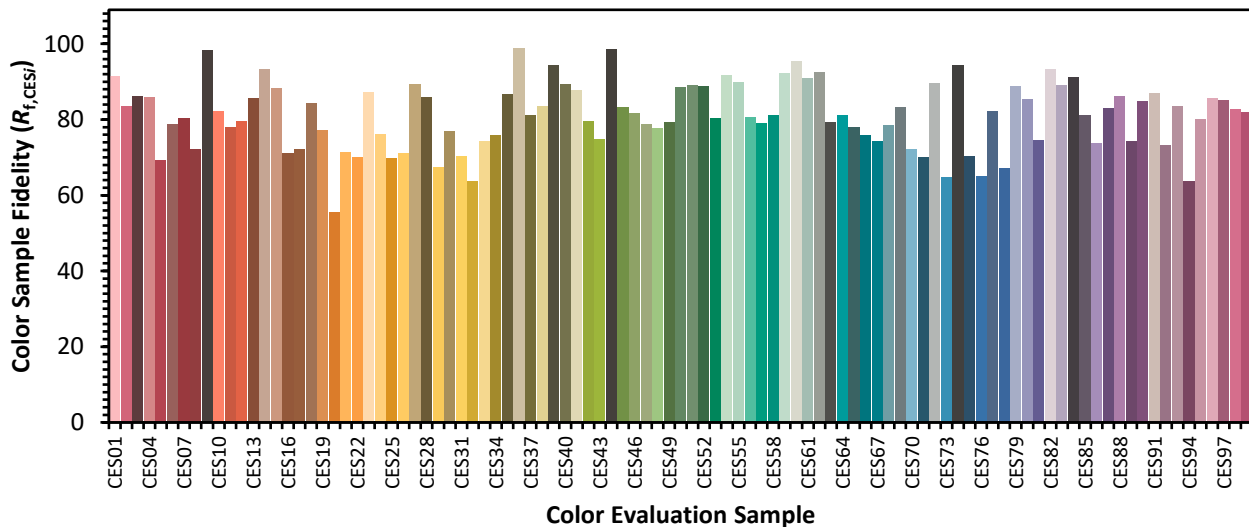


Color Vector Graphics

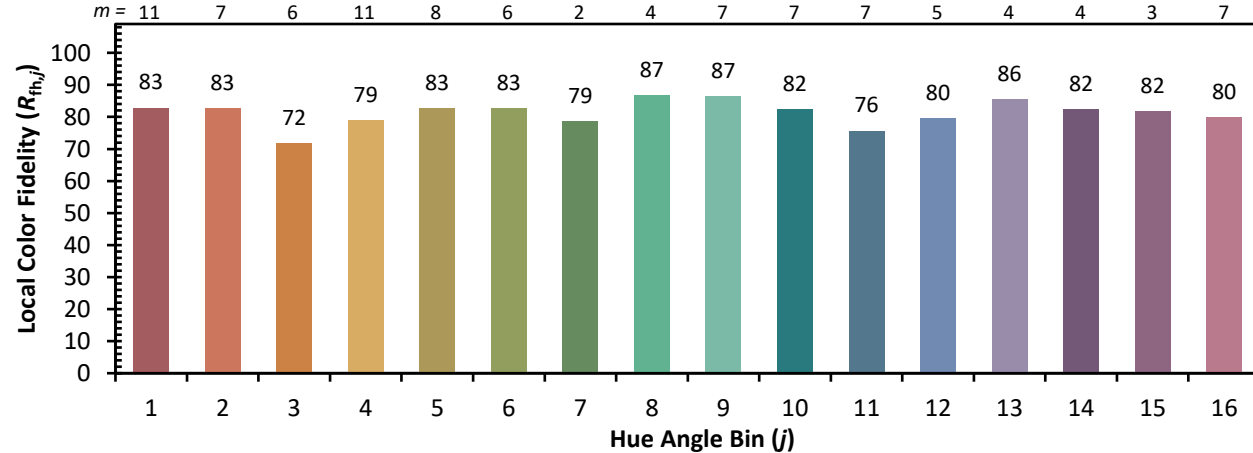


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 71	CES51 = 89	CES76 = 65
CES02 = 63	CES27 = 89	CES52 = 89	CES77 = 82
CES03 = 31	CES28 = 86	CES53 = 80	CES78 = 67
CES04 = 70	CES29 = 68	CES54 = 92	CES79 = 89
CES05 = 50	CES30 = 77	CES55 = 90	CES80 = 85
CES06 = 51	CES31 = 70	CES56 = 81	CES81 = 75
CES07 = 43	CES32 = 64	CES57 = 79	CES82 = 93
CES08 = 41	CES33 = 74	CES58 = 81	CES83 = 89
CES09 = 29	CES34 = 76	CES59 = 92	CES84 = 91
CES10 = 76	CES35 = 87	CES60 = 96	CES85 = 81
CES11 = 59	CES36 = 99	CES61 = 91	CES86 = 74
CES12 = 65	CES37 = 81	CES62 = 93	CES87 = 83
CES13 = 44	CES38 = 83	CES63 = 79	CES88 = 86
CES14 = 74	CES39 = 94	CES64 = 81	CES89 = 74
CES15 = 72	CES40 = 89	CES65 = 78	CES90 = 85
CES16 = 48	CES41 = 88	CES66 = 76	CES91 = 87
CES17 = 50	CES42 = 80	CES67 = 74	CES92 = 73
CES18 = 57	CES43 = 75	CES68 = 79	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 83	CES94 = 64
CES20 = 67	CES45 = 83	CES70 = 72	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 70	CES96 = 86
CES22 = 79	CES47 = 79	CES72 = 90	CES97 = 85
CES23 = 92	CES48 = 78	CES73 = 65	CES98 = 83
CES24 = 91	CES49 = 79	CES74 = 94	CES99 = 82
CES25 = 72	CES50 = 88	CES75 = 70	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)