

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: P1444416

Luminaire Tested: EHBR1-54-UNV-TA-L840-UPL30

Issue Date: 5/1/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1444416  
REPORT IS A COMBINATION OF REPORTS P1444343 AND P1431635  
Test Lab: INNOVATION CENTER  
Issue Date: 5/1/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: EHBR1-54-UNV-TA-L840-UPL30  
Description: Elevate Round Highbay at, 54000 lumens, 4000K 80CRI LEDs with TA lens  
Light Source: -  
Ballast/Driver: -

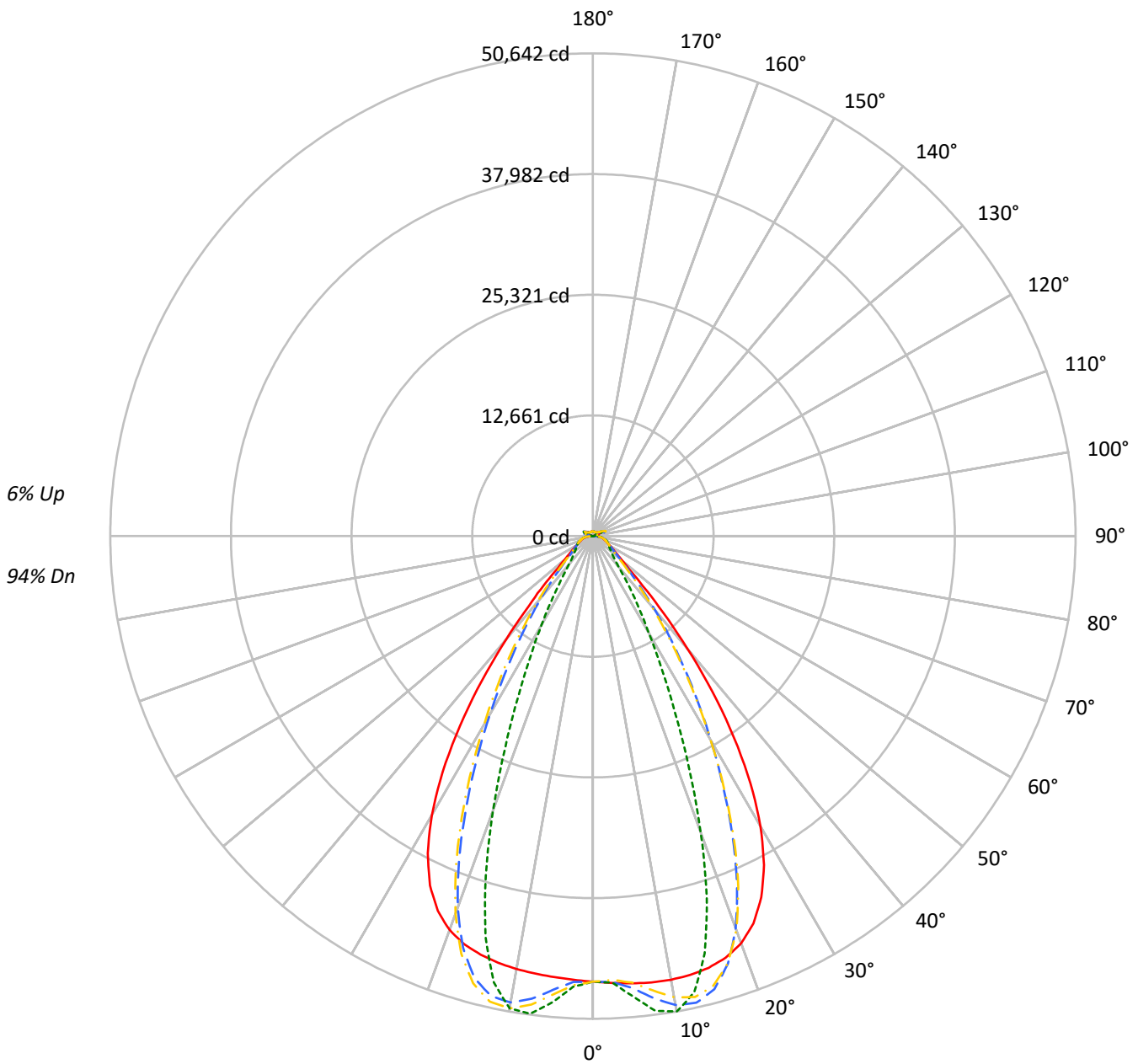
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 57199.2 lumens  
Efficiency: N/A  
Efficacy: 179.9 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 0.77 / 0.88  
Luminous Opening: Vertical Cylinder (Dia: 1.71' x H: 0.1')  
CIE Type: Direct

Input Watts (W): 318  
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: P1444416  
CATALOG NUMBER: EHBR1-54-UNV-TA-L840-UPL30

### Luminous Intensity Polar Plot



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



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

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

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

	0°	90°	180°	270°
0°	219529	219529	219529	219529
5°	220592	227024	217504	229998
10°	222434	238358	217099	236781
15°	223525	216070	216719	207370
20°	221214	160965	213974	148930
25°	209388	101801	202467	92366
30°	182916	61175	175831	55908
35°	140773	38387	132675	34004
40°	89052	24080	81475	22627
45°	45899	18759	45138	18451
50°	26910	16687	26085	16426
55°	20616	15787	19853	15645
60°	17444	16127	16702	15918
65°	16385	16841	15757	16266
70°	16007	17634	15209	16971
75°	17116	18701	16190	17875
80°	17711	20708	16057	18904
85°	16680	19980	13477	17108

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 25°  
 Vertical Angle: 45°  
 Luminance: 70242 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4607.0	8.1
10°-20°	12960.1	22.7
20°-30°	14760.5	25.8
30°-40°	10609.2	18.5
40°-50°	4892.9	8.6
50°-60°	2341.5	4.1
60°-70°	1708.5	3.0
70°-80°	1297.9	2.3
80°-90°	595.8	1.0
90°-100°	100.1	0.2
100°-110°	550.3	1.0
110°-120°	1016.1	1.8
120°-130°	628.2	1.1
130°-140°	412.5	0.7
140°-150°	312.8	0.5
150°-160°	222.4	0.4
160°-170°	136.3	0.2
170°-180°	47.1	0.1
0°-30°	32327.6	56.5
0°-40°	42936.8	75.1
0°-60°	50171.2	87.7
0°-90°	53773.4	94.0
90°-120°	1666.5	2.9
90°-150°	3019.9	5.3
90°-180°	3426.0	6.0
0°-180°	57199.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	46747	46747	46747	46747	46747	
5°	47100	48473	46441	49108	47100	4501
15°	46894	45330	45467	43505	46894	13213
25°	41815	20330	40432	18445	41815	18955
35°	25837	7045	24351	6241	25837	15857
45°	7426	3035	7303	2985	7426	6316
55°	2786	2133	2683	2114	2786	2572
65°	1710	1758	1645	1698	1710	1708
75°	1206	1317	1140	1259	1206	1254
85°	573	687	463	588	573	539
90°	152	193	42	52	152	95
95°	46	50	46	51	46	43
105°	201	257	136	257	201	265
115°	889	1072	931	1072	889	821
125°	678	701	766	703	678	617
135°	546	476	587	480	546	426
145°	497	474	527	481	497	313
155°	472	469	501	475	472	219
165°	477	474	493	477	477	135
175°	492	495	500	497	492	47
180°	498	498	498	498	498	



TEST NUMBER: P1444416  
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**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2
2.5°	46925.8	46921.9	46921.3	46918.0	46917.1	46917.1	46915.6	46911.7	46909.3	46904.0	46897.9
5°	47099.9	47097.8	47099.0	47099.4	47096.1	47088.8	47077.4	47063.4	47045.6	47029.1	47014.2
7.5°	47234.5	47237.8	47242.0	47241.1	47230.9	47213.7	47190.3	47177.2	47185.0	47210.4	47268.6
10°	47259.1	47279.2	47287.0	47284.6	47264.2	47249.5	47255.1	47304.6	47403.2	47534.8	47714.6
12.5°	47163.3	47187.9	47187.0	47178.9	47159.1	47179.2	47251.0	47398.4	47609.8	47869.2	48173.4
15°	46894.3	46926.2	46917.1	46906.6	46893.4	46959.4	47102.6	47358.7	47685.1	48050.9	48425.2
17.5°	46371.9	46410.4	46391.7	46379.7	46368.6	46492.3	46738.5	47113.4	47524.5	47938.3	48293.1
20°	45465.8	45491.6	45447.1	45426.1	45443.8	45686.2	46048.7	46527.6	46961.0	47352.2	47594.7
22.5°	43987.2	44019.1	43935.5	43925.8	44029.0	44401.3	44860.1	45395.4	45802.6	46112.7	46206.1
25°	41814.6	41846.1	41746.7	41806.1	41981.8	42488.8	43035.3	43607.9	43955.3	44184.9	44121.6
27.5°	38882.1	38910.9	38816.6	38937.9	39215.6	39881.9	40525.1	41146.1	41455.8	41616.7	41412.8
30°	35183.7	35243.5	35132.1	35301.4	35725.3	36590.4	37327.1	38023.7	38332.4	38454.9	38137.5
32.5°	30791.1	30876.2	30753.4	31005.3	31596.7	32635.9	33472.9	34251.1	34592.6	34732.4	34373.9
35°	25836.9	25958.8	25818.0	26196.0	26925.6	28082.7	29009.6	29878.4	30282.8	30481.0	30119.8
37.5°	20588.0	20704.3	20628.1	21132.4	21933.5	23132.9	24079.1	25016.3	25473.0	25770.5	25485.7
40°	15434.9	15541.2	15598.9	16175.7	16929.2	18059.7	18968.3	19895.8	20406.6	20780.1	20604.4
42.5°	10894.0	11001.2	11197.4	11753.8	12382.2	13318.0	14096.3	14929.0	15417.0	15815.4	15747.6
45°	7426.2	7550.8	7796.4	8252.1	8706.6	9377.8	9949.4	10597.0	10995.7	11360.5	11364.9
47.5°	5203.9	5291.4	5511.0	5822.1	6118.4	6958.8	6993.3	7311.5	7579.5	7852.2	7887.6
50°	4010.6	4063.2	4179.7	4353.1	4520.9	4739.1	4938.9	5169.4	5334.4	5483.9	5519.6
52.5°	3296.4	3329.9	3389.1	3483.1	3580.4	3699.1	3805.9	3932.6	4022.4	4102.4	4119.2
55°	2786.1	2813.8	2902.0	2919.7	3031.2	3052.6	3100.2	3177.2	3229.4	3277.3	3289.3
57.5°	2400.9	2421.0	2439.8	2479.7	2514.0	2564.0	2604.1	2659.4	2692.3	2726.9	2730.0
60°	2097.0	2111.5	2125.0	2152.6	2176.0	2210.7	2238.4	2276.0	2299.5	2325.5	2328.5
62.5°	1870.9	1881.3	1890.2	1908.5	1925.2	1951.8	1973.8	2005.2	2027.2	2047.3	2051.8
65°	1710.2	1717.8	1723.5	1737.4	1751.9	1774.6	1794.5	1820.1	1836.3	1851.7	1854.9
67.5°	1567.8	1575.0	1580.9	1593.5	1603.6	1620.6	1634.0	1653.1	1665.3	1677.6	1678.0
70°	1404.5	1411.3	1415.8	1427.6	1435.7	1450.2	1461.0	1478.4	1490.8	1504.5	1508.0
72.5°	1291.6	1295.6	1301.6	1312.4	1323.6	1339.2	1353.6	1371.6	1386.7	1400.9	1406.9
75°	1205.7	1210.3	1214.3	1223.5	1231.3	1244.5	1255.2	1271.6	1284.9	1300.1	1307.6
77.5°	1081.6	1087.0	1090.4	1099.6	1106.4	1119.0	1127.0	1141.7	1152.5	1166.3	1173.1
80°	931.7	936.8	939.2	947.9	953.2	964.8	972.7	986.8	995.9	1009.7	1017.9
82.5°	765.6	770.5	771.8	780.0	782.9	792.5	798.1	812.7	823.8	841.8	854.3
85°	573.3	575.0	577.8	575.7	587.3	588.0	601.2	603.6	620.9	625.5	645.2
87.5°	350.5	355.7	358.3	366.3	369.7	377.7	380.1	388.6	393.3	403.0	407.5
90°	152.0	160.2	163.2	172.7	175.5	184.2	186.5	196.0	199.0	209.0	213.2
92.5°	40.3	42.7	45.1	48.0	50.6	54.0	57.0	59.8	62.5	65.8	70.9
95°	45.6	48.4	51.3	54.2	57.0	59.8	62.7	65.6	68.4	71.2	79.4
97.5°	56.8	59.3	61.8	64.3	66.7	69.2	71.6	74.2	76.6	79.0	88.9
100°	73.5	75.6	77.6	79.7	81.8	83.8	86.0	88.1	90.1	92.2	110.6
102.5°	119.8	127.1	134.6	142.0	149.4	156.6	164.3	171.4	178.9	186.3	225.1
105°	200.8	220.8	241.1	261.0	281.1	301.3	321.4	341.1	361.2	381.3	444.8
107.5°	340.2	377.3	414.5	451.7	489.0	526.1	563.3	600.4	637.4	674.3	738.7
110°	624.5	654.0	684.1	714.0	743.8	773.8	803.7	833.1	863.2	892.9	939.8



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**CANDELA DISTRIBUTION (continued):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	840.9	854.3	867.7	881.4	894.8	908.0	921.4	934.8	948.3	961.5	994.9
115°	888.8	893.4	898.2	902.7	907.4	911.8	916.4	920.8	925.5	929.7	952.3
117.5°	866.0	864.9	864.0	863.1	861.9	860.8	859.8	858.5	857.2	855.9	868.5
120°	811.3	806.9	802.8	798.1	793.8	789.1	784.9	780.2	775.5	770.7	776.0
122.5°	741.9	736.7	731.8	726.2	720.9	715.3	710.1	704.1	698.8	693.3	694.8
125°	678.2	672.8	668.0	662.4	656.8	651.1	645.6	639.8	634.2	628.3	628.9
127.5°	623.6	619.8	616.1	611.8	607.7	603.5	599.2	594.7	590.7	585.9	585.7
130°	589.7	586.3	582.7	578.9	575.2	571.1	567.1	562.9	559.0	554.6	554.5
132.5°	562.7	560.3	557.7	554.7	551.8	548.5	545.6	541.9	538.9	535.6	535.6
135°	546.1	543.5	541.3	538.6	535.9	532.6	529.4	526.2	523.2	519.7	520.0
137.5°	532.3	530.2	528.0	525.2	522.7	519.5	516.8	513.5	510.6	507.4	507.5
140°	519.9	517.9	515.8	513.2	510.9	508.2	505.4	502.5	499.6	496.6	497.1
142.5°	505.4	503.5	502.0	499.8	497.8	495.3	493.0	490.3	488.1	485.3	486.2
145°	496.6	495.1	493.8	492.0	490.0	487.8	485.7	483.2	481.3	479.0	479.9
147.5°	489.0	487.6	486.6	485.0	483.6	481.5	479.7	477.7	475.8	473.9	475.0
150°	482.4	481.3	480.2	478.9	477.3	475.4	473.7	472.0	470.2	468.3	469.4
152.5°	474.9	473.6	472.7	471.4	469.9	468.0	466.7	464.8	463.2	461.4	462.3
155°	471.7	470.4	469.2	468.0	466.6	464.9	463.3	461.8	460.4	458.6	459.3
157.5°	470.7	469.5	468.6	467.2	466.3	464.9	463.7	462.3	461.1	459.8	460.1
160°	472.1	471.0	470.0	468.7	467.5	466.2	465.1	463.7	462.8	461.4	461.6
162.5°	473.7	472.5	471.4	470.2	469.1	467.8	466.8	465.7	464.5	463.1	463.6
165°	476.7	476.0	475.1	474.2	473.4	472.5	471.7	470.6	469.8	468.7	469.0
167.5°	483.1	482.0	481.3	480.3	479.2	478.4	477.4	476.2	475.5	474.3	474.5
170°	486.6	485.7	485.2	484.7	484.0	483.3	482.8	482.1	481.4	480.7	481.0
172.5°	490.4	489.7	489.4	489.1	488.4	488.0	487.4	486.9	486.6	485.9	486.5
175°	491.6	491.1	491.0	490.6	490.3	489.9	489.8	489.4	489.4	488.9	489.2
177.5°	495.2	495.1	495.1	494.9	494.9	494.7	494.5	494.2	494.0	494.0	494.3
180°	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1



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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°	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2
2.5°	46893.4	46887.6	46879.9	46870.0	46861.5	46851.6	46828.2	46821.3	46829.1	46834.3	46845.0
5°	47004.8	47008.1	47009.3	47030.6	47049.0	47094.9	47454.6	47597.5	47708.0	47778.2	47884.7
7.5°	47340.8	47448.8	47555.7	47699.6	47823.6	47991.1	48620.4	48888.2	49078.6	49215.5	49383.9
10°	47910.0	48145.9	48367.2	48626.4	48849.2	49104.4	49690.1	49951.0	50115.8	50235.7	50347.7
12.5°	48483.5	48810.8	49106.5	49395.0	49636.1	49857.3	50063.4	50154.7	50162.4	50166.3	50106.8
15°	48782.1	49095.0	49355.6	49546.3	49688.1	49750.8	49396.2	49210.1	48974.9	48781.3	48462.7
17.5°	48593.6	48781.3	48893.9	48882.8	48824.3	48628.1	47623.6	47071.2	46522.7	46028.4	45380.2
20°	47755.7	47741.2	47643.4	47366.0	47031.8	46512.1	44789.9	43796.4	42835.7	41992.0	40968.4
22.5°	46196.6	45951.3	45609.2	45011.2	44346.8	43438.8	40970.8	39509.3	38172.0	36990.5	35667.1
25°	43937.5	43432.9	42802.1	41852.6	40820.1	39495.8	36454.0	34636.0	33030.4	31637.8	30110.8
27.5°	41046.5	40286.3	39361.8	38047.8	36648.9	34952.3	31580.0	29573.7	27850.0	26357.0	24731.7
30°	37623.8	36635.1	35441.3	33810.4	32123.1	30198.8	26778.5	24746.4	23001.8	21465.8	19839.3
32.5°	33755.8	32597.8	31199.0	29368.4	27543.7	25565.2	22262.0	20295.1	18628.5	17150.8	15678.6
35°	29489.6	28247.8	26767.9	24900.8	23087.0	21163.5	18132.5	16359.0	14887.3	13581.1	12392.4
37.5°	24913.4	23694.0	22287.5	20527.8	18845.9	17102.8	14487.5	13001.4	11766.4	10682.3	9764.4
40°	20155.5	19088.4	17871.3	16350.0	14914.6	13463.0	11316.2	10136.5	9161.8	8335.0	7647.3
42.5°	15455.7	14628.8	13695.5	12493.2	11394.8	10289.5	8637.2	7763.1	7041.2	6446.1	5959.9
45°	11213.6	10660.5	10034.5	9198.8	8438.7	7667.7	6491.7	5877.5	5407.3	5023.6	4699.1
47.5°	7838.9	7518.1	7498.5	6726.1	6168.7	5697.3	4939.8	4551.8	4263.7	4031.2	3825.7
50°	5505.0	5349.8	5157.0	4881.3	4622.6	4356.3	3894.6	3660.0	3491.3	3350.5	3220.5
52.5°	4115.4	4034.8	3932.1	3785.9	3645.7	3495.9	3203.8	3054.4	3001.4	2870.2	2767.3
55°	3287.1	3240.8	3182.5	3096.5	3011.3	2977.2	2726.8	2615.9	2545.7	2493.9	2438.7
57.5°	2730.5	2695.9	2661.3	2603.1	2553.7	2493.9	2361.1	2304.3	2262.5	2232.0	2193.7
60°	2329.0	2308.4	2289.0	2254.8	2228.2	2196.0	2111.5	2079.5	2057.7	2039.3	2014.9
62.5°	2055.6	2045.0	2035.0	2016.8	2003.3	1985.8	1928.1	1912.7	1901.8	1892.6	1877.6
65°	1858.3	1850.7	1845.2	1832.9	1826.2	1816.0	1766.5	1756.1	1749.3	1746.0	1737.4
67.5°	1679.0	1671.0	1667.4	1658.7	1656.0	1649.5	1609.0	1603.3	1601.0	1602.1	1599.0
70°	1511.3	1508.0	1509.7	1508.4	1512.1	1513.3	1488.8	1488.6	1491.2	1496.3	1496.9
72.5°	1410.8	1410.8	1412.7	1413.5	1417.1	1419.0	1398.5	1397.5	1398.7	1402.5	1402.6
75°	1315.1	1316.7	1321.9	1323.6	1327.9	1328.9	1301.8	1298.7	1298.9	1302.5	1301.3
77.5°	1182.7	1188.5	1198.4	1203.5	1211.9	1213.4	1183.2	1179.5	1179.6	1183.3	1180.2
80°	1032.6	1043.5	1059.2	1070.1	1083.0	1088.2	1057.0	1049.6	1042.6	1041.6	1035.3
82.5°	873.0	886.3	905.3	915.1	928.8	931.9	879.7	869.9	864.0	864.5	858.8
85°	666.4	676.5	693.7	699.2	707.7	707.0	647.5	621.9	628.7	618.1	626.5
87.5°	418.0	424.0	434.7	436.1	440.0	439.2	379.3	367.5	364.0	364.1	359.8
90°	224.0	229.1	239.6	240.8	248.2	248.5	201.1	196.7	191.5	192.8	185.9
92.5°	76.5	81.4	87.0	92.0	97.5	102.8	102.5	106.1	101.3	95.6	91.0
95°	87.8	96.1	104.4	112.8	121.2	129.5	137.8	146.2	138.4	130.6	122.8
97.5°	98.8	108.7	118.4	128.1	138.0	147.9	157.8	167.7	159.3	150.5	142.2
100°	129.0	147.4	165.7	184.0	202.3	220.8	239.1	257.6	241.5	225.0	208.9
102.5°	264.1	303.1	342.2	381.1	420.0	459.1	498.4	537.6	500.4	463.0	425.8
105°	508.0	571.2	634.5	697.4	760.8	823.9	887.7	951.1	891.7	832.1	772.7
107.5°	802.7	867.0	930.8	994.9	1059.0	1123.2	1188.1	1252.3	1194.3	1135.9	1078.0
110°	986.5	1033.1	1079.9	1126.4	1173.1	1219.8	1267.6	1314.4	1279.4	1244.4	1209.5



TEST NUMBER: P1444416  
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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°	1028.0	1061.5	1094.8	1128.0	1161.1	1194.4	1229.2	1262.8	1245.1	1227.0	1209.7
115°	974.5	997.0	1019.2	1041.5	1063.8	1085.8	1110.1	1132.9	1126.9	1120.9	1115.1
117.5°	880.8	893.1	905.5	917.6	929.7	941.9	956.7	969.3	969.9	970.5	971.2
120°	781.0	785.9	790.8	795.8	800.4	805.3	813.2	818.6	822.9	827.0	831.3
122.5°	696.5	698.1	699.6	701.2	702.7	704.1	709.1	711.3	714.0	716.8	719.5
125°	629.4	629.9	630.4	630.8	631.0	631.5	636.0	637.0	636.7	636.4	636.1
127.5°	585.4	585.1	584.7	584.4	583.7	583.4	587.1	587.5	585.0	582.5	579.8
130°	554.4	554.4	554.1	554.1	554.1	554.0	558.3	559.3	555.3	550.8	546.8
132.5°	535.5	535.7	535.4	535.7	535.7	535.6	540.4	541.6	537.2	532.1	527.6
135°	520.0	520.3	520.5	520.6	520.8	521.4	526.7	528.0	523.8	519.0	514.7
137.5°	507.5	507.8	508.0	508.5	508.6	509.0	515.0	516.6	513.1	509.1	505.6
140°	497.4	497.7	498.2	499.0	499.4	500.1	506.5	508.4	505.7	502.6	499.5
142.5°	486.7	487.9	488.8	490.0	490.9	492.2	499.7	502.1	500.0	497.3	495.2
145°	480.8	482.2	483.3	484.7	486.0	487.5	496.0	499.0	497.4	495.7	494.1
147.5°	475.5	476.8	477.9	479.1	480.4	482.2	491.0	494.0	493.1	491.9	490.8
150°	470.2	471.5	472.5	473.9	475.4	477.1	487.1	490.7	489.8	488.9	487.8
152.5°	463.1	464.2	465.4	466.5	467.7	469.3	481.4	485.2	484.5	483.4	482.7
155°	459.9	460.6	461.3	462.3	463.1	464.5	477.7	481.5	481.0	480.4	479.8
157.5°	460.4	460.8	461.0	461.6	462.2	463.0	476.8	480.9	480.2	479.7	479.2
160°	461.7	462.0	462.1	462.5	462.7	463.3	477.6	481.3	480.9	480.3	479.7
162.5°	463.8	464.6	464.9	465.5	466.0	466.8	481.0	485.3	484.4	483.7	483.0
165°	469.1	469.1	469.3	469.7	469.8	470.2	483.7	487.1	486.8	486.1	485.6
167.5°	474.6	475.0	475.1	475.5	475.8	476.4	489.1	492.4	492.1	491.4	491.0
170°	481.0	481.5	481.5	481.9	482.3	482.9	493.3	496.2	495.8	494.9	494.4
172.5°	486.7	487.3	487.8	488.2	488.6	489.2	498.0	500.8	500.4	499.8	499.1
175°	489.5	489.7	490.2	490.7	491.1	491.5	498.4	500.5	500.3	499.9	499.6
177.5°	494.7	494.8	495.2	495.6	496.0	496.3	500.6	501.8	501.7	501.7	501.5
180°	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1



TEST NUMBER: P1444416  
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**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2
2.5°	46847.5	46863.9	46866.3	46885.6	46884.0	46906.9	46903.3	46921.9	46911.0	46926.5	46913.5
5°	47947.8	48047.6	48099.7	48197.1	48228.0	48315.1	48339.7	48419.2	48422.5	48485.6	48471.1
7.5°	49503.4	49650.5	49737.8	49858.2	49919.2	50019.6	50063.7	50137.8	50161.7	50220.7	50225.2
10°	50432.3	50503.8	50553.6	50587.2	50617.9	50632.3	50649.1	50644.6	50649.1	50642.5	50656.9
12.5°	50067.0	49962.7	49893.7	49763.1	49687.4	49543.1	49472.2	49333.4	49283.0	49163.8	49146.7
15°	48216.5	47853.0	47596.2	47222.7	46988.0	46620.5	46405.5	46074.1	45922.6	45659.2	45590.1
17.5°	44843.7	44169.0	43646.8	42977.0	42512.2	41886.3	41492.6	40974.5	40690.6	40272.8	40128.1
20°	40115.1	39116.8	38333.6	37400.6	36732.9	35901.0	35368.4	34696.7	34306.7	33793.5	33585.5
22.5°	34563.7	33320.8	32342.6	31240.4	30434.8	29507.7	28869.6	28142.8	27718.5	27161.0	26914.2
25°	28841.8	27471.1	26383.6	25222.4	24371.2	23441.8	22803.6	22089.6	21650.6	21121.3	20876.0
27.5°	23369.2	21981.9	20930.9	19851.3	19070.4	18231.8	17656.0	17032.6	16643.0	16191.1	15960.4
30°	18539.9	17316.3	16421.9	15525.9	14876.3	14195.3	13716.7	13200.1	12858.3	12471.4	12251.6
32.5°	14605.4	13660.6	12960.4	12249.4	11717.8	11148.6	10735.2	10279.3	9970.7	9625.3	9426.2
35°	11567.3	10833.2	10274.6	9689.4	9232.7	8747.9	8383.6	7990.2	7713.3	7415.8	7243.9
37.5°	9139.3	8555.6	8096.0	7609.9	7234.7	6833.1	6697.8	6246.4	5959.5	5722.1	5557.7
40°	7172.6	6708.4	6328.1	5956.3	5650.4	5345.8	5101.4	4860.2	4675.0	4505.2	4387.7
42.5°	5601.2	5265.0	4987.2	4714.9	4491.7	4269.8	4092.7	3926.5	3801.8	3690.7	3615.0
45°	4452.7	4221.5	4028.4	3836.6	3679.1	3531.0	3411.8	3305.8	3225.3	3158.6	3111.3
47.5°	3658.0	3499.6	3363.5	3234.0	3127.2	3030.1	2950.3	2924.3	2837.7	2779.3	2757.1
50°	3108.8	3013.2	2909.8	2814.3	2742.9	2671.8	2620.1	2569.3	2536.9	2510.1	2501.9
52.5°	2698.9	2625.8	2568.3	2507.8	2460.6	2410.1	2374.4	2340.6	2322.8	2308.7	2307.0
55°	2394.2	2343.0	2305.0	2264.4	2236.1	2206.5	2188.0	2170.2	2162.4	2155.2	2155.7
57.5°	2163.6	2129.4	2104.7	2078.3	2063.1	2048.9	2044.1	2039.7	2042.1	2043.1	2047.2
60°	1995.5	1973.3	1957.8	1942.6	1936.3	1931.7	1935.2	1939.2	1947.4	1953.9	1959.8
62.5°	1866.8	1854.1	1846.5	1838.4	1837.7	1838.0	1845.0	1851.7	1861.9	1869.6	1875.2
65°	1734.3	1727.0	1724.6	1719.3	1722.0	1723.5	1731.8	1737.0	1747.2	1753.3	1760.6
67.5°	1600.3	1598.6	1600.2	1600.2	1604.8	1608.9	1616.8	1622.7	1631.4	1636.9	1642.8
70°	1501.4	1502.1	1505.7	1506.4	1511.5	1514.2	1521.2	1524.9	1532.8	1537.4	1544.6
72.5°	1405.2	1403.7	1404.5	1402.3	1404.0	1403.3	1407.2	1409.1	1415.6	1419.3	1427.9
75°	1302.8	1298.5	1297.5	1292.8	1292.9	1289.7	1291.2	1291.0	1295.4	1297.2	1303.3
77.5°	1179.1	1171.9	1168.4	1160.7	1160.5	1157.5	1160.7	1162.5	1170.1	1173.8	1180.8
80°	1031.2	1019.8	1014.5	1005.6	1007.1	1006.6	1014.2	1019.9	1029.3	1031.0	1040.0
82.5°	857.0	845.4	839.9	831.1	833.1	833.3	840.3	841.5	849.6	853.1	863.5
85°	613.7	618.1	605.9	606.7	604.1	608.9	613.7	619.5	626.3	637.6	646.3
87.5°	361.4	359.8	364.1	364.7	370.9	374.2	384.2	390.0	401.3	410.1	426.0
90°	185.1	178.3	180.6	177.7	182.6	179.9	184.5	180.9	186.8	186.6	194.4
92.5°	85.0	80.2	74.3	69.4	63.7	59.0	55.9	54.0	51.0	49.1	46.0
95°	115.0	107.2	99.4	91.6	83.8	76.1	73.3	70.4	67.5	64.7	61.9
97.5°	133.8	125.5	117.1	108.7	100.3	91.9	90.0	88.1	86.3	84.4	82.4
100°	192.5	176.4	160.2	143.9	127.7	111.6	110.1	108.6	107.1	105.5	103.9
102.5°	388.8	351.5	314.5	277.4	240.3	203.1	196.7	190.2	183.7	177.3	170.8
105°	713.2	653.6	594.3	534.9	475.5	416.1	398.5	380.5	362.8	345.2	327.4
107.5°	1019.9	961.8	903.9	846.0	788.0	730.1	702.0	674.0	645.9	617.9	590.0
110°	1174.2	1139.3	1104.6	1069.3	1034.7	999.9	972.9	946.3	919.4	892.7	866.0



TEST NUMBER: P1444416  
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**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	1191.8	1174.3	1156.4	1139.0	1121.5	1103.9	1090.8	1077.7	1064.7	1051.6	1038.3
115°	1109.1	1103.2	1097.4	1091.8	1086.2	1080.3	1079.2	1078.3	1077.0	1076.1	1075.2
117.5°	971.7	972.3	972.8	973.6	974.4	975.2	982.0	988.4	995.4	1002.3	1009.4
120°	835.5	839.6	843.7	848.3	852.5	856.9	865.7	874.9	883.9	893.5	902.8
122.5°	722.1	724.9	727.5	730.4	733.2	736.1	744.7	753.7	762.6	771.8	781.2
125°	635.3	634.9	634.5	633.9	633.5	633.3	640.2	647.4	654.7	662.3	669.7
127.5°	577.1	574.2	571.5	569.0	566.0	563.7	567.5	571.6	575.5	579.9	584.0
130°	542.4	538.1	533.6	529.6	525.0	520.9	522.0	523.3	524.5	526.0	527.4
132.5°	522.7	517.8	512.9	507.9	503.0	498.1	497.4	496.7	495.9	495.6	495.4
135°	509.8	505.4	500.5	495.8	490.9	486.5	484.7	483.0	481.4	480.0	478.7
137.5°	501.7	497.9	494.0	490.3	486.2	482.5	480.0	478.3	475.9	474.4	472.5
140°	496.2	493.4	490.0	486.8	483.5	480.6	478.5	476.9	475.0	473.5	471.9
142.5°	492.6	490.2	487.6	485.3	482.7	480.4	478.5	476.9	475.1	473.7	472.0
145°	492.3	490.8	489.0	487.1	485.4	483.7	482.0	480.8	479.4	478.1	477.2
147.5°	489.6	488.4	487.1	485.9	484.5	483.2	482.0	481.4	480.0	479.3	478.3
150°	486.5	485.5	484.3	483.4	482.0	481.0	480.1	479.5	478.6	478.3	477.4
152.5°	481.5	480.7	479.6	478.8	477.5	476.4	475.7	475.2	474.6	474.1	473.1
155°	478.9	478.2	477.4	476.7	475.5	475.0	474.2	473.3	472.6	471.9	471.1
157.5°	478.5	477.8	476.9	476.3	475.3	474.6	473.9	473.2	472.4	471.8	471.0
160°	479.1	478.5	477.7	477.0	476.2	475.5	474.5	473.7	472.7	472.0	471.0
162.5°	482.1	481.3	480.6	479.7	478.6	477.9	477.0	476.3	475.6	474.9	474.0
165°	484.9	484.2	483.5	482.8	482.3	481.6	480.6	479.9	478.8	478.1	477.1
167.5°	490.3	489.8	489.1	488.6	487.8	487.0	486.3	485.4	484.5	483.6	482.6
170°	493.9	493.1	492.5	491.6	490.9	490.0	489.3	488.4	487.4	486.9	485.9
172.5°	498.5	498.2	497.5	497.0	496.1	495.5	495.0	494.3	493.6	492.8	492.4
175°	499.4	499.3	499.1	498.5	498.3	497.9	497.6	497.4	497.1	496.9	496.4
177.5°	501.5	501.3	501.3	501.0	500.8	500.8	500.4	500.2	499.9	499.5	499.4
180°	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1



TEST NUMBER: P1444416  
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**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2
2.5°	46927.0	46915.1	46920.7	46898.7	46904.0	46877.4	46875.0	46845.0	46842.1	46813.9	46803.3
5°	48515.8	48489.7	48519.2	48473.3	48482.2	48422.5	48417.5	48340.2	48313.5	48216.9	48175.1
7.5°	50262.0	50252.2	50270.2	50231.8	50230.5	50177.2	50155.2	50085.9	50042.9	49941.4	49876.6
10°	50644.6	50653.6	50638.9	50642.5	50621.7	50616.0	50594.7	50581.2	50546.4	50520.0	50481.3
12.5°	49056.1	49065.6	49005.0	49043.5	49013.1	49084.0	49078.3	49161.7	49174.6	49280.3	49320.3
15°	45384.7	45373.3	45257.1	45330.3	45291.0	45446.6	45481.4	45690.6	45802.6	46071.3	46236.4
17.5°	39838.6	39808.7	39644.9	39734.1	39688.7	39918.2	39995.0	40329.8	40538.6	40971.6	41280.1
20°	33227.4	33170.1	32978.5	33082.9	33036.1	33296.7	33406.5	33811.1	34080.3	34653.8	35061.7
22.5°	26534.0	26443.4	26255.8	26353.4	26309.2	26579.1	26722.0	27127.9	27436.3	28025.0	28501.3
25°	20523.5	20442.7	20261.3	20329.5	20313.1	20541.4	20668.7	21052.6	21355.6	21916.4	22370.9
27.5°	15653.7	15569.7	15405.8	15454.1	15437.5	15632.0	15751.9	16072.7	16333.4	16805.5	17204.7
30°	11980.7	11879.3	11740.3	11767.0	11755.6	11913.3	12025.2	12295.3	12518.8	12917.7	13261.6
32.5°	9183.1	9081.3	8953.6	8966.1	8949.2	9072.9	9165.2	9400.0	9594.8	9934.0	10233.4
35°	7026.4	7145.3	6872.7	7045.4	6865.5	7129.6	7034.6	7181.5	7349.0	7634.8	7884.4
37.5°	5401.6	5318.6	5248.4	5241.0	5240.6	5301.8	5374.0	5515.4	5663.0	5876.0	6096.0
40°	4280.5	4222.3	4176.9	4173.6	4176.9	4220.3	4273.7	4371.5	4479.6	4632.5	4794.2
42.5°	3550.3	3511.6	3484.3	3482.4	3491.0	3521.8	3558.9	3617.0	3687.3	3786.4	3897.3
45°	3072.8	3051.3	3036.1	3035.2	3039.2	3055.3	3076.5	3112.8	3157.4	3219.2	3289.3
47.5°	2737.7	2732.5	2723.0	2723.3	2719.0	2725.6	2728.0	2748.3	2772.0	2818.6	2910.3
50°	2493.7	2493.7	2487.2	2486.9	2480.6	2480.2	2475.1	2483.0	2494.1	2523.0	2552.4
52.5°	2300.9	2300.2	2293.2	2291.7	2285.2	2284.8	2280.3	2283.5	2285.0	2299.5	2317.1
55°	2150.2	2145.7	2136.4	2133.4	2130.8	2134.6	2132.9	2133.0	2131.1	2137.3	2142.4
57.5°	2042.1	2036.3	2027.4	2024.8	2024.1	2028.6	2028.8	2027.2	2019.1	2013.6	2005.7
60°	1956.6	1950.6	1941.1	1938.7	1940.1	1946.3	1946.0	1940.7	1928.6	1918.0	1905.8
62.5°	1872.5	1870.1	1865.2	1864.5	1863.3	1864.3	1860.0	1854.4	1842.5	1831.2	1817.9
65°	1759.7	1760.9	1757.3	1757.8	1753.4	1752.7	1746.2	1740.8	1728.7	1718.4	1704.8
67.5°	1642.6	1643.5	1640.5	1640.5	1638.2	1638.6	1634.6	1629.6	1619.3	1611.1	1600.5
70°	1546.1	1548.5	1546.8	1547.3	1544.6	1543.5	1537.2	1532.4	1521.9	1514.9	1505.3
72.5°	1430.6	1435.7	1435.5	1436.8	1432.6	1430.6	1423.1	1417.0	1407.5	1401.9	1394.3
75°	1305.7	1312.5	1314.4	1317.4	1311.5	1308.4	1300.2	1295.4	1287.6	1284.4	1279.3
77.5°	1184.0	1191.4	1198.6	1205.1	1195.6	1187.1	1176.9	1169.1	1158.0	1153.7	1145.9
80°	1047.3	1060.5	1076.2	1089.4	1072.3	1054.9	1038.2	1025.6	1010.9	1004.9	995.2
82.5°	868.8	882.4	891.4	899.8	887.9	875.3	859.0	848.1	832.1	826.3	815.0
85°	660.1	676.9	682.3	686.7	679.2	672.4	657.2	636.5	626.5	610.7	602.6
87.5°	434.2	444.3	446.1	447.7	443.1	439.7	429.8	420.1	403.0	390.5	375.2
90°	192.5	197.8	192.3	193.3	188.9	190.9	182.4	180.6	168.0	164.2	153.1
92.5°	43.9	41.0	38.5	36.0	39.3	41.1	44.2	46.0	49.0	51.0	54.0
95°	59.0	56.1	53.3	50.4	52.8	55.0	57.3	59.5	61.9	64.1	66.4
97.5°	80.5	78.7	76.8	74.9	76.2	77.5	78.8	80.1	81.5	82.8	84.3
100°	102.4	100.9	99.4	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
102.5°	164.4	157.9	151.5	145.0	149.3	153.7	158.1	162.4	166.8	171.1	175.8
105°	309.8	292.1	274.4	256.8	273.8	291.0	308.0	325.2	342.3	359.7	376.8
107.5°	561.8	534.0	506.0	478.1	509.4	540.6	571.7	602.9	634.1	665.2	696.6
110°	839.5	812.9	786.3	759.7	792.8	825.8	858.9	891.9	925.2	958.1	991.5



TEST NUMBER: P1444416  
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**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	1025.3	1012.4	999.5	986.6	1007.9	1029.2	1050.4	1072.1	1093.4	1114.8	1136.0
115°	1074.3	1073.5	1072.8	1072.0	1082.1	1092.1	1102.1	1112.4	1122.6	1132.7	1143.1
117.5°	1016.3	1023.3	1030.5	1037.8	1041.0	1044.2	1047.6	1050.9	1054.4	1057.8	1061.4
120°	912.2	921.4	931.1	940.8	939.5	938.2	937.1	935.7	934.8	933.7	933.1
122.5°	790.6	799.8	809.5	819.0	816.2	813.3	810.6	808.0	805.6	803.2	800.8
125°	677.6	685.3	693.3	701.4	698.5	695.6	692.9	690.6	688.0	685.5	683.6
127.5°	588.9	593.6	598.2	603.2	601.9	600.6	599.6	598.5	597.7	597.1	596.6
130°	529.2	531.1	533.5	535.4	535.8	536.2	537.0	537.7	538.8	539.7	541.1
132.5°	495.6	495.5	495.9	496.2	497.7	499.3	501.3	503.1	505.5	507.5	510.5
135°	477.8	476.9	476.1	475.6	478.0	480.0	482.6	485.2	488.4	491.5	494.8
137.5°	471.3	469.8	469.0	467.7	470.0	472.2	474.8	477.6	480.4	483.6	487.1
140°	470.7	469.5	468.8	467.7	470.0	472.0	474.7	477.3	480.3	483.4	486.7
142.5°	471.0	469.6	468.9	468.1	469.9	472.0	474.5	476.9	479.7	482.3	485.3
145°	476.0	474.9	474.4	473.7	475.0	476.6	478.3	480.1	482.2	484.1	486.6
147.5°	477.6	476.9	476.6	475.9	477.1	478.1	479.4	480.5	482.2	483.6	485.5
150°	477.3	476.6	476.2	476.0	476.8	477.3	478.3	478.8	479.9	480.8	482.3
152.5°	473.0	472.3	472.4	472.1	472.5	473.0	473.8	474.4	475.3	476.0	477.5
155°	470.7	470.2	469.7	469.2	469.2	469.3	469.6	469.7	470.2	470.5	470.9
157.5°	470.6	470.0	469.6	468.9	468.8	468.5	468.5	468.4	468.5	468.1	468.3
160°	470.5	469.4	468.7	468.0	468.0	467.7	467.9	467.6	467.8	467.9	468.0
162.5°	473.5	472.8	472.3	471.6	471.3	470.6	470.2	469.6	469.2	468.9	468.7
165°	476.1	475.3	474.5	473.5	473.3	473.0	472.7	472.4	472.2	471.8	471.9
167.5°	482.1	481.0	480.3	479.4	478.9	478.0	477.6	476.9	476.4	475.8	475.6
170°	485.4	484.5	484.0	483.3	482.9	482.4	482.2	481.7	481.5	481.4	481.4
172.5°	491.9	491.1	490.6	490.1	489.7	489.4	489.2	489.0	488.7	488.7	488.5
175°	496.2	495.9	495.7	495.4	495.0	494.8	494.4	494.2	494.1	493.8	493.6
177.5°	498.7	498.4	498.2	498.0	497.8	497.8	497.8	497.8	497.8	497.6	497.5
180°	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1



TEST NUMBER: P1444416  
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**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2
2.5°	46773.0	46760.7	46728.3	46712.4	46682.4	46667.3	46644.0	46628.8	46609.9	46595.9	46588.7
5°	48068.9	48009.1	47889.3	47815.4	47686.0	47600.8	47472.2	47378.0	47245.2	47147.3	47021.9
7.5°	49755.0	49663.2	49509.6	49393.2	49212.2	49073.7	48870.5	48708.0	48483.5	48297.1	48067.7
10°	50441.4	50387.8	50318.9	50244.1	50143.8	50045.3	49906.6	49765.2	49576.7	49389.2	49144.3
12.5°	49426.9	49477.2	49576.7	49623.1	49699.2	49725.0	49759.8	49743.5	49712.7	49636.1	49525.0
15°	46553.4	46763.9	47096.6	47326.6	47649.1	47875.5	48175.1	48367.9	48590.0	48722.7	48848.8
17.5°	41826.9	42234.0	42821.0	43289.2	43917.9	44429.1	45055.4	45547.4	46115.5	46551.4	47015.4
20°	35772.8	36343.0	37153.2	37841.4	38752.4	39524.9	40514.5	41343.5	42310.6	43116.7	43986.7
22.5°	29257.0	29927.6	30856.1	31686.1	32773.9	33745.6	34985.6	36081.6	37389.0	38560.2	39855.8
25°	23110.0	23767.4	24713.1	25572.6	26747.0	27817.3	29171.9	30429.4	31946.6	33361.3	34985.6
27.5°	17838.7	18422.6	19254.0	20027.6	21103.1	22153.9	23528.7	24869.6	26488.5	28008.9	29759.2
30°	13776.6	14250.2	14916.3	15538.7	16402.1	17261.5	18486.0	19726.2	21337.0	22912.6	24707.1
32.5°	10676.4	11080.2	11636.4	12141.6	12806.8	13454.8	14356.6	15347.6	16760.6	18269.8	20004.9
35°	8264.7	8610.2	9083.5	9518.7	10065.9	10580.3	11253.2	11960.5	13038.8	14308.2	15861.1
37.5°	6589.1	6729.9	7067.7	7424.3	7878.8	8301.4	8827.8	9350.8	10122.3	11123.9	12392.4
40°	5010.9	5234.6	5509.5	5790.3	6134.4	6473.5	7051.0	7329.0	7837.0	8556.0	9540.6
42.5°	4043.2	4200.5	4394.0	4589.2	4829.0	5065.2	5357.3	5654.7	6034.5	6521.5	7221.8
45°	3383.4	3486.0	3610.7	3740.9	3898.3	4059.4	4255.1	4459.3	4716.6	5015.9	5441.2
47.5°	2942.6	2999.4	3080.8	3169.6	3277.5	3389.1	3516.3	3646.4	3806.4	3983.9	4226.1
50°	2598.6	2645.9	2709.2	2768.5	2843.1	2957.4	3007.8	3079.7	3175.8	3280.4	3415.8
52.5°	2349.7	2381.1	2420.8	2455.0	2502.1	2544.9	2601.0	2650.5	2717.1	2779.8	2867.3
55°	2155.7	2167.2	2189.7	2211.7	2244.3	2273.6	2312.0	2344.4	2386.9	2424.4	2479.5
57.5°	2006.1	2007.1	2017.5	2028.9	2049.9	2068.2	2094.8	2116.1	2145.5	2169.5	2202.5
60°	1898.4	1892.8	1894.8	1898.8	1910.6	1922.5	1939.5	1953.4	1971.9	1985.4	2004.0
62.5°	1808.9	1799.9	1797.8	1796.8	1802.7	1807.0	1816.2	1823.0	1833.6	1839.4	1849.3
65°	1695.8	1685.2	1681.1	1676.2	1678.0	1676.6	1680.0	1680.2	1685.5	1686.7	1692.5
67.5°	1593.2	1584.3	1579.0	1572.4	1569.5	1564.8	1562.7	1558.2	1557.5	1553.8	1552.9
70°	1499.7	1491.0	1486.5	1480.4	1477.3	1471.0	1467.3	1459.6	1455.2	1448.0	1444.1
72.5°	1391.4	1386.6	1385.2	1381.0	1379.9	1376.5	1375.0	1369.5	1366.4	1360.3	1356.9
75°	1278.2	1274.3	1273.9	1269.7	1269.4	1265.3	1264.2	1258.5	1255.5	1249.4	1246.9
77.5°	1143.5	1137.5	1135.8	1131.0	1132.2	1130.1	1131.9	1127.6	1125.6	1119.6	1117.7
80°	991.6	984.1	980.9	974.5	976.3	973.3	976.3	975.9	978.1	973.3	972.5
82.5°	811.8	803.6	802.0	797.5	800.4	800.7	807.2	803.7	805.1	800.5	802.5
85°	590.8	584.5	575.8	574.6	569.2	574.8	567.4	572.4	564.2	570.0	562.4
87.5°	366.3	353.5	346.7	337.5	334.0	325.2	321.6	315.1	317.0	314.1	315.8
90°	151.7	142.0	141.5	134.5	135.6	129.8	132.8	129.2	132.9	129.2	133.4
92.5°	55.9	58.3	62.8	67.8	72.0	76.6	81.0	86.1	90.3	95.2	99.4
95°	68.6	70.9	77.0	83.0	89.2	95.2	101.4	107.5	113.6	119.7	125.7
97.5°	85.6	86.9	92.9	99.1	105.1	111.2	117.3	123.8	129.9	136.0	142.1
100°	97.9	98.1	115.3	132.7	149.9	167.4	184.7	202.0	219.6	236.9	254.2
102.5°	180.1	184.4	228.1	271.9	315.6	359.3	403.2	447.1	490.8	534.8	578.7
105°	393.9	411.2	477.9	544.8	611.4	678.1	745.0	812.0	878.8	945.7	1012.6
107.5°	727.8	759.2	819.6	880.0	940.2	1000.7	1061.3	1121.7	1182.0	1242.6	1303.4
110°	1024.5	1057.8	1098.3	1138.9	1179.5	1220.0	1260.6	1301.2	1342.1	1382.6	1423.6



TEST NUMBER: P1444416  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L840-UPL30

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	1157.4	1179.1	1202.6	1226.5	1250.3	1274.1	1297.9	1321.7	1345.8	1369.7	1393.7
115°	1153.5	1164.0	1173.0	1182.6	1191.9	1201.5	1211.0	1220.8	1230.6	1240.3	1249.9
117.5°	1064.8	1068.7	1070.1	1072.1	1073.7	1075.9	1077.7	1079.9	1082.1	1084.3	1086.1
120°	932.1	931.3	930.1	929.1	927.9	927.0	926.2	925.4	924.6	923.9	923.0
122.5°	798.4	796.4	795.2	794.4	793.6	792.9	792.2	791.8	791.2	790.7	789.9
125°	681.4	679.6	681.4	683.3	685.3	687.4	689.4	691.9	694.1	696.4	698.7
127.5°	596.0	595.9	600.0	604.1	608.4	612.9	617.2	621.7	626.1	630.8	635.0
130°	542.5	544.2	549.2	554.6	559.9	565.4	570.9	576.6	581.9	587.3	592.8
132.5°	512.8	515.9	520.7	526.1	531.1	536.5	541.9	547.3	552.5	558.1	563.1
135°	498.2	502.0	506.6	511.6	516.3	521.5	526.3	531.4	536.0	541.1	545.8
137.5°	490.4	494.1	498.1	502.2	506.0	510.5	514.4	518.6	522.5	526.7	530.5
140°	490.0	493.7	496.0	499.0	501.5	504.1	506.5	509.4	511.8	514.7	517.0
142.5°	488.4	491.9	493.3	495.2	497.0	499.3	501.1	503.0	504.6	506.3	507.9
145°	488.9	491.6	492.1	492.9	493.6	494.4	494.9	495.7	496.1	496.7	497.1
147.5°	487.3	489.3	489.2	489.8	490.0	490.1	490.5	490.7	490.6	491.0	491.1
150°	483.3	484.8	484.4	484.5	484.1	484.1	483.6	483.6	483.1	483.1	482.7
152.5°	478.3	479.5	478.7	478.7	478.0	477.7	477.0	476.9	476.1	475.8	475.5
155°	471.2	471.7	471.3	471.1	470.8	470.6	470.2	470.3	470.2	469.9	469.9
157.5°	468.4	468.4	468.2	468.0	467.6	467.6	467.5	467.5	467.4	467.8	467.9
160°	467.9	468.1	467.7	467.5	467.3	467.1	467.0	467.2	467.2	467.6	467.8
162.5°	468.2	468.0	467.6	467.4	467.3	467.3	467.3	467.6	467.7	468.0	468.3
165°	471.9	472.1	471.4	471.3	471.0	470.8	470.5	470.5	470.7	470.8	470.9
167.5°	475.3	475.1	475.1	475.2	475.2	475.4	475.6	476.3	476.4	477.2	477.4
170°	481.2	481.4	481.0	481.0	480.8	480.7	480.8	480.8	480.9	481.1	481.0
172.5°	488.5	488.5	488.1	487.6	487.3	487.1	486.7	486.6	486.3	486.1	485.7
175°	493.2	493.0	492.8	492.6	492.4	492.0	491.9	491.4	491.2	491.0	490.8
177.5°	497.3	496.9	496.8	496.8	496.6	496.4	496.4	496.2	496.2	496.2	495.9
180°	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1



TEST NUMBER: P1444416  
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**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2
2.5°	46579.3	46578.8	46574.2	46576.3	46577.2	46580.5	46584.5	46588.7	46589.5	46592.8	46593.5
5°	46927.9	46812.7	46727.4	46633.7	46563.1	46499.8	46457.5	46423.9	46410.9	46414.2	46422.0
7.5°	47873.1	47635.3	47438.9	47215.9	47029.7	46832.7	46669.4	46514.1	46401.0	46316.6	46269.5
10°	48910.4	48620.7	48343.5	48020.5	47714.2	47387.3	47091.2	46793.1	46544.5	46328.6	46170.0
12.5°	49370.7	49165.9	48926.3	48621.6	48293.8	47916.6	47535.6	47127.3	46747.5	46394.9	46110.6
15°	48883.3	48883.7	48796.3	48650.1	48422.5	48121.0	47758.1	47332.4	46884.4	46427.2	46009.5
17.5°	47336.2	47628.1	47790.5	47893.2	47861.7	47750.6	47519.7	47192.7	46775.0	46288.1	45778.3
20°	44679.4	45367.9	45858.7	46300.2	46547.6	46712.0	46695.5	46562.5	46265.0	45851.0	45320.1
22.5°	40957.6	42113.2	43025.1	43875.4	44471.7	44956.8	45187.4	45285.2	45150.5	44862.1	44363.6
25°	36437.2	38008.4	39349.2	40650.5	41626.6	42465.5	42969.6	43324.7	43353.0	43202.3	42757.6
27.5°	31414.1	33268.7	34965.8	36695.2	38067.9	39273.8	40065.1	40644.2	40828.3	40804.0	40400.2
30°	26397.5	28344.5	30215.1	32231.7	33930.2	35471.0	36516.2	37299.5	37601.3	37659.1	37270.7
32.5°	21659.8	23579.7	25445.2	27553.5	29422.6	31188.4	32423.3	33353.7	33704.6	33787.4	33361.3
35°	17360.0	19131.3	20904.1	22947.4	24805.9	26634.4	27935.6	28909.7	29237.4	29292.7	28799.5
37.5°	13631.4	15140.5	16685.2	18518.6	20225.3	21942.5	23178.8	24094.3	24333.0	24318.3	23760.1
40°	10491.9	11665.1	12906.3	14415.7	15834.5	17286.3	18330.3	19087.1	19212.5	19119.5	18533.1
42.5°	7889.3	8736.7	9636.6	10763.2	11816.0	12902.5	13662.1	14223.9	14241.7	14094.8	13568.4
45°	5877.5	6704.3	7081.7	7762.8	8441.0	9163.4	9627.2	9974.2	9920.5	9791.2	9391.3
47.5°	4480.6	4798.3	5135.3	5557.7	5952.7	6772.5	6711.8	7269.0	6867.7	7141.4	6538.8
50°	3558.0	3735.6	3917.2	4141.3	4347.7	4562.0	4696.0	4795.9	4783.0	4740.0	4624.5
52.5°	3027.0	3082.0	3171.4	3298.8	3414.1	3530.0	3606.2	3668.2	3669.4	3652.1	3593.8
55°	2530.0	2599.6	2663.9	2747.2	2889.2	2911.0	3020.2	2998.1	3006.7	2976.4	3007.4
57.5°	2230.6	2271.2	2307.4	2356.9	2398.0	2445.8	2474.1	2501.2	2498.6	2492.7	2463.0
60°	2018.5	2040.9	2061.0	2089.9	2112.4	2139.5	2152.5	2166.3	2161.8	2151.8	2125.3
62.5°	1854.9	1869.1	1880.5	1899.1	1912.9	1929.7	1936.4	1942.3	1936.4	1926.9	1903.5
65°	1693.7	1702.7	1710.0	1724.0	1733.8	1748.1	1753.8	1759.4	1753.9	1746.6	1728.7
67.5°	1548.2	1549.0	1548.3	1554.1	1557.0	1565.7	1568.3	1572.2	1566.0	1559.6	1544.6
70°	1437.8	1435.5	1432.8	1435.0	1435.5	1439.7	1440.4	1439.7	1432.3	1421.2	1404.7
72.5°	1351.6	1350.3	1348.2	1350.1	1350.1	1354.0	1352.8	1350.8	1341.7	1330.9	1314.6
75°	1240.7	1239.8	1235.6	1235.8	1232.3	1233.5	1229.1	1226.4	1216.2	1207.2	1192.6
77.5°	1110.9	1108.8	1102.7	1100.5	1093.9	1091.1	1082.7	1078.5	1068.1	1060.9	1048.4
80°	966.0	963.8	956.0	951.7	941.3	934.6	922.2	915.1	903.2	896.1	883.9
82.5°	798.5	799.3	791.6	786.2	771.3	759.9	743.2	734.2	721.0	714.2	701.7
85°	567.9	559.8	564.1	563.7	554.4	544.6	531.0	521.5	510.4	503.8	495.0
87.5°	311.5	313.4	311.2	309.3	302.7	297.7	287.1	281.5	273.4	269.4	262.8
90°	123.2	121.0	111.3	109.3	99.9	95.0	84.3	80.6	70.6	68.6	62.1
92.5°	94.2	89.1	84.4	78.8	74.2	69.0	63.9	58.7	53.6	51.5	50.1
95°	118.4	111.1	103.7	96.3	88.9	81.4	74.3	66.8	59.4	57.9	56.4
97.5°	133.5	124.8	116.0	107.4	98.7	89.9	81.3	72.6	63.9	63.0	62.0
100°	234.2	214.3	194.1	174.1	154.0	133.9	113.9	93.8	73.9	72.7	71.5
102.5°	529.8	481.2	432.6	383.9	335.4	286.6	238.0	189.2	140.6	133.5	126.5
105°	938.9	865.1	791.8	718.1	644.3	570.6	497.1	423.2	349.5	325.9	302.1
107.5°	1234.2	1164.9	1095.9	1026.7	957.3	888.3	819.0	749.7	680.3	638.7	597.1
110°	1368.6	1313.7	1259.2	1204.2	1149.5	1094.6	1039.7	984.7	929.8	893.9	858.4



TEST NUMBER: P1444416  
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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°	1353.7	1313.6	1273.8	1233.5	1193.5	1153.3	1113.3	1073.0	1032.7	1011.2	989.4
115°	1226.1	1202.2	1178.3	1154.3	1130.4	1106.4	1082.4	1058.0	1033.8	1022.5	1011.3
117.5°	1074.4	1062.4	1050.5	1038.5	1026.4	1014.1	1002.1	989.9	977.7	974.0	970.2
120°	920.2	917.0	913.3	910.1	906.8	903.5	899.9	896.4	892.8	893.7	894.5
122.5°	792.2	794.1	796.3	797.8	800.0	801.7	803.8	805.2	807.0	810.5	814.1
125°	703.0	707.0	711.2	715.3	719.3	723.5	727.7	731.4	735.7	739.0	742.8
127.5°	640.0	644.4	649.2	653.6	658.6	663.0	667.6	671.9	676.4	679.8	683.4
130°	597.1	601.1	605.4	609.2	613.5	617.5	621.5	625.7	629.6	632.5	635.4
132.5°	567.0	570.7	574.6	578.2	582.1	585.6	589.6	593.1	597.2	599.2	601.8
135°	549.0	551.7	554.8	557.6	560.9	563.6	566.7	569.8	573.0	574.7	576.7
137.5°	533.1	535.5	538.1	540.4	543.2	545.6	548.4	550.9	553.9	554.9	556.7
140°	519.5	522.1	524.6	527.1	529.9	532.4	535.5	538.1	541.2	542.3	544.0
142.5°	510.0	512.0	514.1	516.1	518.4	520.4	523.0	525.5	528.0	529.3	530.6
145°	499.6	501.7	504.2	506.3	508.6	511.2	514.2	516.9	519.7	520.7	522.0
147.5°	492.9	494.8	496.9	499.0	501.2	503.1	505.8	508.2	510.9	511.9	512.9
150°	484.8	486.6	488.8	490.8	493.1	495.5	498.1	500.7	503.7	504.9	506.0
152.5°	477.6	479.6	481.8	484.2	486.6	489.3	492.0	494.7	497.5	498.5	500.0
155°	472.1	473.9	476.3	478.7	481.2	483.4	486.1	488.8	491.5	492.8	494.0
157.5°	469.9	471.5	473.8	475.9	478.2	480.4	483.0	485.1	487.6	488.8	489.8
160°	469.6	471.3	473.3	475.2	477.4	479.3	481.5	483.5	485.6	486.7	487.8
162.5°	470.1	471.9	473.9	475.5	477.8	479.7	482.0	483.8	485.9	486.7	487.9
165°	472.3	473.8	475.4	476.8	478.3	479.7	481.4	482.9	484.6	485.3	486.5
167.5°	478.9	479.7	480.8	481.9	483.3	484.4	485.9	486.9	488.4	489.3	490.2
170°	482.2	483.0	483.9	485.1	486.1	487.2	488.4	489.2	490.7	491.4	492.3
172.5°	486.4	486.8	487.8	488.3	489.1	489.6	490.5	491.2	491.9	492.9	493.6
175°	491.3	491.5	491.9	492.1	492.4	492.7	493.3	493.8	494.2	494.8	495.3
177.5°	496.1	496.3	496.5	496.7	497.1	497.3	497.7	497.9	498.3	499.0	499.7
180°	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1



TEST NUMBER: P1444416  
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**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2
2.5°	46591.9	46591.4	46589.9	46587.7	46585.7	46586.9	46589.0	46594.3	46603.7	46617.2	46634.9
5°	46428.4	46437.9	46443.3	46444.0	46439.1	46436.2	46440.6	46453.5	46479.3	46522.7	46581.2
7.5°	46256.9	46268.6	46286.7	46300.2	46302.8	46299.5	46300.2	46320.3	46367.9	46452.2	46570.6
10°	46073.8	46039.0	46057.3	46090.9	46117.6	46122.4	46125.7	46149.4	46219.1	46346.6	46536.7
12.5°	45904.7	45794.5	45773.2	45803.5	45844.0	45857.0	45853.4	45863.6	45945.2	46113.9	46378.8
15°	45682.2	45474.8	45404.0	45411.8	45461.8	45479.9	45466.6	45446.6	45526.1	45732.1	46075.0
17.5°	45322.2	44987.8	44857.5	44851.8	44910.4	44925.9	44893.7	44831.4	44909.7	45166.8	45592.5
20°	44774.9	44281.3	44036.0	43996.9	44060.6	44042.0	43977.8	43883.5	43986.4	44298.9	44805.1
22.5°	43791.0	43165.5	42746.5	42611.3	42687.4	42636.6	42542.9	42422.5	42559.2	42914.4	43478.1
25°	42183.3	41460.6	40886.8	40564.9	40625.6	40534.6	40432.5	40286.6	40449.7	40857.3	41477.9
27.5°	39820.1	38985.3	38274.3	37741.4	37761.0	37641.9	37524.3	37335.5	37539.0	38021.5	38721.5
30°	36677.7	35711.8	34845.9	34121.7	34056.9	33941.3	33821.0	33573.2	33827.8	34405.5	35223.4
32.5°	32731.4	31659.0	30658.5	29742.8	29570.1	29457.3	29350.0	29064.9	29398.3	30071.8	31011.5
35°	28116.3	26973.9	25889.2	24843.4	24557.2	24444.4	24350.7	24077.5	24493.7	25226.5	26241.4
37.5°	23050.6	21883.6	20806.7	19734.3	19329.9	19177.0	19108.8	18929.8	19409.9	20134.8	21153.9
40°	17850.2	16765.1	15799.6	14852.4	14391.4	14157.4	14121.7	14089.1	14553.2	15182.1	16107.1
42.5°	12985.3	12109.9	11365.4	10641.4	10223.7	9904.0	9903.8	10000.9	10418.7	10889.8	11603.1
45°	8982.3	8394.9	7920.4	7436.7	7566.0	6928.8	7303.2	7111.0	7317.6	7621.3	8085.1
47.5°	6174.5	5853.8	5593.2	5323.0	5125.9	4937.8	4954.3	5075.6	5270.1	5450.3	5691.7
50°	4500.1	4336.8	4204.1	4063.7	3965.7	3882.7	3887.6	3940.0	4042.3	4137.2	4263.5
52.5°	3526.2	3436.0	3364.0	3286.4	3235.0	3193.7	3195.9	3221.4	3276.7	3330.9	3403.4
55°	2906.4	2895.5	2801.8	2732.2	2705.6	2677.9	2682.9	2693.0	2730.6	2762.3	2810.3
57.5°	2435.5	2393.4	2365.4	2328.7	2311.8	2292.4	2296.8	2300.6	2325.7	2347.0	2381.5
60°	2103.1	2073.3	2053.4	2028.4	2017.3	2005.0	2007.8	2010.0	2026.2	2040.0	2064.8
62.5°	1882.2	1855.6	1838.2	1818.9	1811.2	1802.9	1804.8	1805.4	1815.5	1825.7	1844.5
65°	1712.8	1691.6	1677.3	1660.6	1652.4	1643.8	1644.7	1644.7	1653.1	1660.6	1674.6
67.5°	1533.6	1517.6	1508.4	1495.1	1489.6	1480.8	1480.6	1477.8	1483.3	1486.4	1495.8
70°	1389.8	1373.8	1361.7	1349.1	1342.2	1334.4	1334.5	1334.7	1341.2	1347.9	1360.2
72.5°	1300.9	1285.6	1275.0	1263.9	1257.3	1250.7	1249.4	1248.8	1253.5	1257.1	1265.3
75°	1183.3	1171.0	1164.8	1154.4	1149.2	1141.7	1140.5	1137.0	1139.3	1140.0	1146.0
77.5°	1040.6	1029.0	1023.9	1013.3	1009.0	1000.5	999.8	996.0	997.8	996.5	1001.2
80°	877.8	867.3	864.5	855.8	853.8	845.9	844.7	840.1	841.5	837.9	839.6
82.5°	696.3	686.6	684.5	676.5	676.5	669.5	669.1	662.0	662.0	656.0	646.3
85°	490.5	483.4	480.4	473.8	471.9	466.3	463.2	456.5	454.0	449.7	448.4
87.5°	258.8	254.4	250.3	247.2	241.6	231.3	230.5	223.3	223.8	218.9	219.2
90°	60.6	54.7	53.6	48.0	46.5	42.6	41.5	41.6	42.5	42.9	44.0
92.5°	48.4	46.7	45.1	43.4	41.7	40.0	38.2	40.0	41.7	43.4	45.1
95°	54.9	53.4	51.9	50.3	48.8	47.3	45.8	47.3	48.8	50.4	52.0
97.5°	61.0	60.0	59.1	58.1	57.2	56.2	55.3	56.4	57.4	58.3	59.3
100°	70.4	69.3	68.1	67.0	65.9	64.7	63.6	65.0	66.2	67.3	68.4
102.5°	119.7	112.6	105.6	98.6	91.5	84.6	77.5	84.6	91.5	98.7	105.7
105°	278.4	254.9	231.1	207.3	183.6	159.8	136.1	160.0	183.8	207.6	231.4
107.5°	555.3	513.8	472.0	430.4	388.4	346.8	305.0	347.0	388.8	430.6	472.4
110°	822.2	786.2	750.4	714.5	678.4	642.5	606.4	642.6	678.7	714.8	750.9



TEST NUMBER: P1444416  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L840-UPL30

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	967.6	945.9	924.0	902.4	880.5	858.7	836.7	859.0	881.1	903.3	925.1
115°	1000.1	988.6	977.3	965.9	954.4	942.9	931.1	943.4	955.2	966.9	978.7
117.5°	966.3	962.7	958.8	954.9	950.9	946.9	942.8	947.4	951.8	956.4	960.5
120°	895.1	896.1	896.8	897.3	898.0	898.5	898.8	899.2	899.2	899.2	899.0
122.5°	817.4	820.9	824.1	827.4	830.5	833.7	836.6	834.4	831.9	829.7	826.8
125°	746.2	750.0	753.4	756.9	760.1	763.5	766.2	764.4	762.0	759.5	756.6
127.5°	686.7	690.1	693.1	696.6	699.4	702.3	705.0	703.4	701.4	699.2	696.7
130°	638.0	641.0	643.4	646.2	648.4	650.6	652.4	651.6	650.3	649.2	647.4
132.5°	603.9	606.4	608.5	610.7	612.3	614.3	615.4	615.4	614.6	614.0	612.7
135°	578.7	580.4	581.9	583.8	585.0	586.3	587.0	587.5	587.3	587.1	586.4
137.5°	557.9	559.4	560.4	561.4	562.3	562.9	563.2	564.1	564.5	565.1	565.0
140°	545.1	546.6	547.9	548.8	549.8	550.7	550.8	551.9	552.2	552.6	552.5
142.5°	532.0	533.4	534.6	535.7	536.5	537.3	537.6	538.5	538.9	539.2	539.2
145°	523.1	524.0	525.1	526.0	526.5	527.0	526.9	528.2	528.7	529.3	529.7
147.5°	513.9	515.0	515.7	516.5	516.9	517.4	517.5	518.5	519.1	519.7	520.2
150°	507.4	508.6	509.7	510.8	511.6	512.3	512.4	513.3	513.7	514.0	514.1
152.5°	501.0	502.0	503.1	503.9	504.7	505.2	505.5	506.3	507.0	507.5	507.7
155°	495.1	496.3	497.3	498.3	499.1	500.0	500.7	501.4	501.9	502.2	502.6
157.5°	490.8	492.0	492.9	493.9	494.6	495.6	496.3	497.2	497.7	498.4	498.7
160°	488.7	489.9	490.6	491.6	492.4	493.3	494.0	494.8	495.5	496.0	496.7
162.5°	488.7	489.8	490.3	491.3	492.2	493.0	493.7	494.6	495.3	495.9	496.5
165°	487.6	488.8	489.5	490.6	491.7	492.7	493.4	494.1	494.4	494.9	495.2
167.5°	491.1	492.2	492.8	493.8	494.5	495.6	496.5	497.0	497.3	497.6	497.9
170°	493.0	493.9	494.7	495.4	496.3	497.2	497.7	498.0	498.4	498.7	499.1
172.5°	494.2	495.3	496.1	497.2	497.8	498.7	499.6	499.8	499.8	499.8	499.6
175°	495.8	496.7	497.3	498.0	498.5	499.3	500.1	499.9	500.0	499.9	499.8
177.5°	500.4	501.4	502.1	502.7	503.4	503.9	504.7	504.1	503.8	503.3	502.7
180°	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1



TEST NUMBER: P1444416  
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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°	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2
2.5°	46659.9	46683.2	46718.9	46751.3	46800.0	46838.5	46896.2	46940.0	47005.2	47047.5	47118.3
5°	46664.0	46755.3	46875.4	46992.5	47133.3	47261.2	47420.1	47555.4	47715.1	47845.4	48008.7
7.5°	46730.0	46906.0	47117.1	47329.7	47570.1	47795.0	48048.5	48277.8	48528.6	48740.8	48972.5
10°	46778.7	47050.2	47361.1	47674.0	48003.4	48309.4	48618.3	48885.2	49134.8	49340.0	49521.4
12.5°	46712.7	47086.7	47485.8	47871.0	48237.3	48554.0	48819.8	49025.1	49166.8	49262.9	49285.4
15°	46488.4	46938.5	47372.2	47756.0	48059.9	48294.3	48415.6	48472.4	48411.4	48310.2	48087.7
17.5°	46069.2	46544.0	46931.8	47234.5	47395.2	47458.7	47358.2	47183.4	46841.7	46462.5	45914.8
20°	45300.9	45743.2	46024.5	46189.6	46146.7	45987.8	45608.4	45147.2	44465.1	43738.1	42778.9
22.5°	43953.1	44339.8	44489.7	44502.0	44239.9	43842.1	43157.8	42366.7	41290.6	40171.9	38796.2
25°	41930.1	42268.8	42292.5	42159.5	41679.8	41035.1	40030.3	38911.2	37448.9	35958.3	34234.4
27.5°	39186.5	39511.3	39431.8	39183.6	38517.6	37655.0	36368.4	34922.8	33120.1	31359.5	29452.4
30°	35737.6	36085.0	35991.6	35673.2	34881.0	33861.4	32347.6	30668.2	28666.7	26786.2	24853.7
32.5°	31610.3	32049.5	31985.0	31682.3	30855.7	29764.6	28122.0	26340.7	24293.0	22440.0	20560.0
35°	26919.0	27452.3	27479.8	27281.9	26514.6	25436.1	23814.1	22089.9	20128.6	18380.1	16643.5
37.5°	21864.7	22482.9	22609.9	22556.5	21920.5	20968.5	19490.7	17944.0	16206.4	14674.0	13188.7
40°	16782.4	17408.2	17625.3	17689.8	17220.4	16483.0	15270.1	14021.7	12605.2	11363.5	10184.1
42.5°	12147.7	12702.4	12912.2	13044.3	12751.2	12259.6	11374.8	10468.2	9430.4	8534.8	7676.2
45°	8436.8	8829.2	8988.8	9121.7	8962.0	8684.7	8126.0	7558.9	6873.9	6288.7	5734.6
47.5°	5898.6	6115.0	6220.4	6284.9	6223.0	6078.3	5774.3	5445.8	5059.1	4717.1	4388.2
50°	4372.2	4487.3	4542.4	4579.8	4534.6	4454.2	4289.7	4110.9	3898.5	3704.7	3515.5
52.5°	3464.8	3530.9	3563.6	3583.7	3557.8	3508.7	3412.8	3306.8	3179.5	3059.8	2996.9
55°	2918.9	2915.5	2991.2	2954.7	2991.2	2909.6	2892.4	2775.9	2670.1	2595.7	2515.0
57.5°	2407.2	2441.5	2456.0	2472.3	2461.8	2446.8	2406.1	2364.4	2308.6	2262.0	2212.2
60°	2083.7	2111.9	2127.9	2144.0	2142.9	2137.4	2113.9	2088.8	2054.0	2026.2	1996.0
62.5°	1860.9	1885.3	1901.1	1916.5	1917.9	1915.6	1897.8	1880.5	1856.8	1839.2	1818.4
65°	1685.5	1702.7	1713.5	1725.8	1725.1	1721.8	1705.6	1691.3	1671.7	1659.6	1644.4
67.5°	1502.1	1515.1	1523.4	1535.0	1537.2	1537.9	1529.1	1522.4	1512.8	1509.4	1504.1
70°	1371.6	1387.4	1400.7	1415.4	1423.4	1427.2	1423.4	1420.0	1414.4	1412.0	1408.0
72.5°	1272.9	1286.2	1296.6	1310.0	1317.4	1322.8	1319.9	1318.0	1313.1	1312.4	1309.6
75°	1150.3	1159.4	1165.3	1175.3	1179.3	1184.4	1182.0	1183.3	1181.7	1185.6	1185.4
77.5°	1002.7	1009.5	1012.3	1019.6	1020.3	1026.4	1027.8	1034.8	1039.9	1051.0	1056.8
80°	836.8	841.1	841.1	848.6	851.9	862.1	866.9	878.5	883.9	893.8	894.7
82.5°	650.0	645.1	650.0	646.9	656.5	667.9	669.5	679.4	681.6	687.8	683.0
85°	444.4	444.1	440.0	440.7	437.8	439.2	437.5	439.3	437.6	437.8	433.3
87.5°	212.9	214.8	210.2	211.7	207.2	209.3	205.3	208.5	203.7	204.4	197.5
90°	44.6	45.6	46.3	47.4	49.1	52.1	55.3	58.3	62.2	65.0	68.4
92.5°	46.7	48.6	50.3	52.1	53.8	58.9	64.1	69.2	74.5	79.4	84.6
95°	53.5	55.0	56.5	58.4	59.9	67.3	74.8	82.1	89.6	97.0	104.4
97.5°	60.5	61.5	62.5	63.5	64.6	73.4	82.0	90.8	99.6	108.3	116.8
100°	69.8	70.9	72.0	73.5	74.6	94.7	114.8	135.0	155.1	175.1	195.1
102.5°	112.9	120.0	127.0	134.3	141.4	190.2	239.0	287.8	336.3	385.1	433.8
105°	255.2	278.9	303.0	326.8	350.5	424.4	498.3	572.2	645.7	719.5	793.4
107.5°	514.3	556.1	598.1	639.9	681.7	751.2	820.5	889.9	959.5	1028.8	1097.8
110°	787.3	823.0	859.6	895.6	931.7	986.6	1041.9	1096.8	1151.9	1206.9	1261.8



TEST NUMBER: P1444416  
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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°	947.4	969.1	991.1	1012.9	1034.9	1075.3	1116.0	1156.2	1196.7	1236.6	1276.9
115°	990.5	1001.8	1013.5	1025.0	1036.8	1061.2	1085.3	1109.6	1134.0	1157.9	1182.3
117.5°	964.7	968.8	973.1	976.8	980.9	993.4	1005.8	1018.2	1030.6	1042.9	1055.2
120°	898.8	898.3	898.0	897.3	896.9	900.4	904.4	908.0	911.8	915.3	918.7
122.5°	824.3	821.0	818.2	815.0	812.0	810.2	808.8	807.0	805.8	803.9	802.4
125°	753.8	750.7	747.7	744.3	741.0	737.3	733.6	729.6	725.8	721.9	718.0
127.5°	694.6	691.6	688.9	685.9	682.9	678.5	674.2	669.8	665.6	660.9	656.7
130°	645.8	643.5	641.6	638.9	637.0	632.7	629.1	625.2	621.3	617.4	613.6
132.5°	611.7	609.9	608.5	606.4	604.8	601.1	598.0	594.1	590.6	587.0	583.6
135°	585.9	584.9	584.0	582.6	581.3	578.3	575.7	572.8	570.1	567.3	564.5
137.5°	565.1	564.4	563.9	563.3	562.6	560.1	557.9	555.4	553.2	550.6	548.5
140°	552.5	552.0	551.7	551.0	550.4	547.9	545.5	542.9	540.6	538.0	535.7
142.5°	539.1	538.8	538.4	537.8	537.3	535.2	533.6	531.5	529.5	527.6	525.7
145°	529.7	529.6	529.7	529.2	529.3	526.9	524.9	522.5	520.6	518.3	516.3
147.5°	520.5	520.4	520.7	520.5	520.7	518.8	517.2	515.3	513.8	511.8	510.3
150°	514.2	514.2	514.2	513.9	513.8	511.9	510.5	508.4	507.0	505.0	503.5
152.5°	507.8	508.0	508.2	508.2	508.4	506.8	505.1	503.3	501.6	499.6	497.9
155°	502.9	503.1	503.2	503.2	503.2	501.7	500.2	498.5	497.0	495.3	493.8
157.5°	499.2	499.5	499.8	500.0	500.2	498.8	497.5	496.1	494.8	493.3	492.0
160°	497.1	497.6	497.9	498.1	498.5	497.4	496.5	495.1	494.3	492.8	491.5
162.5°	497.0	497.5	497.8	498.0	498.3	497.2	496.5	495.3	494.2	492.7	491.6
165°	495.8	495.8	496.1	496.1	496.2	495.5	494.9	494.2	493.4	492.5	491.7
167.5°	498.3	498.3	498.6	498.6	498.7	498.1	498.2	497.4	496.8	496.3	495.7
170°	499.3	499.5	499.6	499.6	499.7	499.1	498.7	498.1	497.8	497.0	496.4
172.5°	499.7	499.5	499.5	499.5	499.3	498.8	498.5	498.2	498.0	497.6	497.2
175°	499.6	499.3	499.4	499.2	498.8	498.8	498.6	498.6	498.4	498.3	498.1
177.5°	502.6	502.2	501.6	501.2	500.8	500.6	500.6	500.4	500.5	500.4	500.2
180°	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1



TEST NUMBER: P1444416  
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**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2
2.5°	47162.1	46870.9	46832.4	46852.8	46901.5	46919.5	46972.1	46986.4	47039.3	47052.3	47103.0
5°	48135.3	47750.3	47769.5	47862.0	48002.2	48085.7	48223.4	48295.5	48427.0	48486.8	48605.6
7.5°	49161.4	48859.1	48953.4	49109.4	49301.1	49433.7	49599.2	49707.0	49849.5	49938.1	50052.3
10°	49665.2	49582.4	49686.2	49809.0	49918.4	50003.9	50074.0	50130.2	50167.0	50201.4	50216.5
12.5°	49281.8	49410.0	49427.7	49415.8	49343.3	49288.0	49163.8	49079.5	48929.6	48838.3	48660.0
15°	47860.5	48142.3	47986.2	47749.9	47404.1	47115.9	46708.7	46405.5	45981.5	45694.0	45268.5
17.5°	45366.1	45721.8	45315.1	44768.3	44072.7	43477.6	42736.6	42148.4	41411.6	40875.7	40188.1
20°	41854.4	42186.9	41461.4	40555.0	39478.9	38573.4	37505.4	36653.4	35661.0	34922.8	34032.0
22.5°	37482.0	37718.9	36696.9	35474.9	34104.0	32972.7	31695.8	30674.4	29541.8	28697.9	27748.0
25°	32644.9	32708.9	31482.9	30075.1	28547.2	27275.7	25912.5	24838.6	23683.6	22828.2	21895.9
27.5°	27762.7	27669.0	26344.0	24851.3	23244.0	21922.4	20592.9	19586.5	18574.9	17804.4	17001.2
30°	23154.6	22927.6	21551.8	20017.6	18457.4	17272.9	16169.1	15360.9	14556.1	13945.0	13300.2
32.5°	18928.8	18608.7	17269.4	15832.0	14517.4	13603.3	12784.8	12173.3	11523.4	11007.1	10466.1
35°	15186.0	14844.8	13658.4	12439.8	11444.8	10771.0	10127.7	9626.0	9074.1	8638.7	8168.8
37.5°	11973.7	11694.1	10700.3	9741.4	8988.8	8466.6	7939.5	7529.5	7073.5	6881.9	6379.8
40°	9243.7	9048.2	8271.2	7564.3	6999.1	6753.8	6218.9	5835.8	5495.0	5214.0	4941.8
42.5°	7210.2	7141.0	6384.9	5833.5	5435.6	5126.5	4828.4	4586.3	4350.7	4157.0	3974.0
45°	5291.2	5236.5	4900.7	4582.5	4311.4	4095.3	3893.8	3727.3	3573.3	3445.6	3329.5
47.5°	4120.3	4102.8	3909.4	3712.1	3541.3	3402.4	3271.7	3161.1	3058.9	2973.6	2946.0
50°	3351.2	3349.0	3235.5	3113.7	2992.0	2911.8	2828.3	2763.0	2697.4	2646.2	2592.2
52.5°	2847.4	2835.1	2758.5	2683.3	2611.1	2558.4	2505.0	2463.3	2419.8	2388.3	2354.6
55°	2451.4	2464.3	2420.0	2375.1	2329.9	2297.1	2259.8	2232.2	2202.3	2182.5	2162.2
57.5°	2176.2	2193.4	2170.2	2144.6	2117.1	2095.6	2069.9	2050.8	2030.8	2018.2	2006.4
60°	1976.1	1994.8	1985.4	1972.6	1955.6	1942.8	1926.4	1915.8	1903.0	1895.9	1889.3
62.5°	1806.3	1829.7	1826.4	1820.3	1809.4	1802.3	1793.3	1788.7	1780.2	1777.1	1773.9
65°	1636.9	1663.2	1662.7	1659.7	1653.7	1651.6	1646.1	1645.0	1640.6	1642.5	1642.0
67.5°	1503.6	1526.5	1531.6	1535.2	1535.0	1536.4	1535.9	1538.1	1538.1	1541.4	1543.5
70°	1407.5	1423.4	1427.2	1431.1	1432.1	1435.2	1435.2	1437.1	1436.6	1439.3	1439.7
72.5°	1310.3	1331.3	1335.1	1338.2	1338.2	1341.2	1339.5	1339.0	1334.9	1334.0	1331.1
75°	1189.4	1216.2	1222.1	1225.9	1226.4	1229.1	1225.4	1223.1	1216.2	1213.4	1208.6
77.5°	1063.1	1090.9	1095.1	1096.5	1094.3	1094.8	1087.2	1082.0	1073.1	1069.4	1064.8
80°	898.6	939.7	943.0	940.4	934.0	932.9	925.5	920.6	910.1	906.5	902.4
82.5°	683.8	732.0	738.8	741.7	736.5	737.7	730.6	727.8	718.1	716.4	709.9
85°	431.8	479.9	487.9	486.6	481.5	480.3	476.0	477.5	476.7	479.2	480.6
87.5°	198.4	245.0	256.3	252.6	252.0	248.8	241.4	244.1	248.6	251.5	251.7
90°	71.6	88.9	91.8	90.4	84.4	82.2	76.6	75.2	70.3	68.8	64.1
92.5°	89.7	94.8	100.0	95.5	90.9	86.3	81.7	77.0	72.6	67.8	63.5
95°	111.8	118.9	126.2	120.2	114.0	107.9	101.8	95.8	89.7	83.5	77.5
97.5°	125.6	134.0	142.6	136.5	130.4	124.1	118.1	111.9	105.8	99.7	93.5
100°	215.3	234.7	254.7	237.4	220.0	202.7	185.5	167.9	150.6	133.4	115.8
102.5°	482.4	530.6	579.2	535.3	491.5	447.6	403.9	360.0	316.3	272.3	228.6
105°	866.8	940.0	1013.4	946.2	879.3	812.6	745.8	678.9	612.0	545.1	478.4
107.5°	1167.1	1235.2	1304.0	1243.5	1183.0	1122.6	1061.9	1001.4	940.8	880.4	819.9
110°	1316.6	1370.0	1424.6	1383.6	1343.1	1302.1	1261.6	1220.6	1180.0	1139.6	1099.0



TEST NUMBER: P1444416  
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**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	1317.0	1355.3	1394.9	1370.6	1346.8	1322.7	1298.9	1274.8	1251.2	1227.0	1203.5
115°	1206.2	1227.9	1251.4	1241.5	1231.8	1222.0	1212.2	1202.7	1192.9	1183.4	1174.1
117.5°	1067.4	1076.7	1088.0	1085.7	1083.7	1081.3	1079.3	1077.1	1075.3	1073.3	1071.4
120°	922.3	922.6	925.3	925.9	926.7	927.2	928.1	928.7	929.6	930.5	931.5
122.5°	800.4	795.3	792.4	792.9	793.5	793.7	794.4	795.0	795.6	796.2	797.1
125°	714.1	706.2	701.2	698.8	696.7	694.3	692.1	689.7	687.7	685.6	683.7
127.5°	652.2	643.6	638.1	633.8	629.3	624.7	620.3	615.8	611.6	606.9	602.9
130°	609.7	601.3	596.2	590.7	585.5	579.8	574.5	569.1	563.5	558.2	552.8
132.5°	580.0	571.6	566.9	561.7	556.7	551.2	546.3	540.7	535.5	530.0	525.1
135°	561.6	553.8	549.9	545.0	540.5	535.6	530.7	525.8	521.1	516.1	511.7
137.5°	546.0	538.2	534.9	530.8	527.1	523.2	519.4	515.3	511.4	507.0	503.3
140°	533.2	525.1	521.5	519.1	516.9	514.3	512.0	509.3	507.0	504.5	501.9
142.5°	523.8	515.8	512.7	511.0	509.6	507.8	506.6	504.8	503.3	501.1	499.6
145°	514.2	505.4	502.0	501.4	501.3	500.7	500.3	499.8	499.4	498.5	498.1
147.5°	508.3	499.3	495.9	496.0	496.0	495.7	496.0	495.6	495.9	495.6	495.6
150°	501.4	491.3	487.3	487.9	488.0	488.5	488.9	489.1	489.7	490.0	490.3
152.5°	495.9	483.8	479.4	479.8	480.5	480.8	481.3	482.0	482.7	483.3	483.8
155°	491.8	478.7	473.8	473.7	473.9	474.1	474.3	474.7	475.1	475.4	476.0
157.5°	490.3	476.4	471.8	471.4	471.4	471.4	471.4	471.5	471.7	471.9	472.5
160°	490.2	476.3	471.7	471.3	471.3	471.1	471.0	470.9	471.1	471.3	471.7
162.5°	490.1	476.7	472.3	471.8	471.4	471.2	471.2	470.9	471.1	471.0	471.4
165°	490.7	478.8	474.7	474.4	474.5	474.3	474.3	474.4	474.6	474.7	475.1
167.5°	494.7	484.2	481.0	480.5	480.0	479.5	479.5	478.8	478.8	478.4	478.4
170°	495.6	487.3	484.5	484.3	484.5	484.4	484.2	484.2	484.2	484.1	484.3
172.5°	496.7	490.7	488.5	488.8	489.2	489.3	489.7	489.9	490.3	490.6	491.0
175°	497.9	494.2	493.3	493.2	493.4	493.6	493.8	493.9	494.1	494.3	494.8
177.5°	500.2	499.1	498.5	498.5	498.5	498.5	498.5	498.5	498.5	498.7	498.7
180°	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1



TEST NUMBER: P1444416  
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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°	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2
2.5°	47112.5	47167.4	47163.3	47214.6	47212.0	47260.3	47250.7	47292.3	47282.8	47318.6	47297.6
5°	48657.9	48762.4	48796.9	48891.1	48910.7	48995.1	48996.8	49063.8	49055.8	49108.2	49080.3
7.5°	50119.9	50217.3	50263.6	50336.9	50373.5	50434.1	50457.9	50507.7	50519.7	50549.2	50548.3
10°	50243.2	50242.9	50265.8	50255.5	50275.9	50264.1	50289.1	50280.1	50317.0	50307.4	50335.4
12.5°	48583.1	48418.4	48358.2	48210.2	48177.8	48050.9	48059.9	47978.5	48017.8	47967.8	48052.9
15°	45015.3	44633.1	44444.3	44112.1	44007.7	43745.1	43723.8	43549.3	43596.5	43505.2	43638.5
17.5°	39743.2	39141.4	38811.3	38326.0	38133.3	37761.8	37687.4	37462.9	37497.7	37384.6	37545.7
20°	33457.3	32730.1	32313.6	31752.5	31502.2	31059.3	30941.9	30690.7	30722.1	30609.5	30791.9
22.5°	27099.7	26338.6	25868.4	25280.2	24960.5	24544.0	24419.1	24166.8	24181.1	24075.4	24250.7
25°	21257.3	20527.6	20071.2	19537.0	19259.6	18877.7	18746.4	18519.8	18532.6	18445.4	18602.7
27.5°	16444.1	15845.3	15463.4	15015.6	14767.0	14453.1	14325.1	14134.5	14134.0	14070.0	14201.5
30°	12850.1	12350.6	12007.6	11617.6	11384.1	11100.8	10977.1	10806.7	10799.2	10753.8	10858.4
32.5°	10061.3	9617.0	9304.3	8961.0	8751.4	8508.3	8391.2	8254.2	8241.7	8200.6	8286.4
35°	7821.4	7447.1	7178.3	6889.4	6910.6	6551.9	6611.6	6333.0	6257.4	6241.0	6304.7
37.5°	6045.0	5755.2	5536.8	5320.4	5173.7	5022.2	4940.6	4867.3	4858.9	4851.9	4896.6
40°	4731.6	4528.8	4369.9	4221.5	4120.6	4028.0	3977.0	3936.8	3927.2	3921.9	3948.9
42.5°	3829.6	3692.6	3590.2	3499.6	3438.4	3388.1	3360.1	3337.7	3330.2	3330.4	3346.3
45°	3235.5	3152.4	3086.4	3030.1	2991.0	3008.1	2957.6	2984.1	2949.1	2985.3	2961.4
47.5°	2849.3	2778.6	2737.7	2697.9	2674.2	2655.1	2655.8	2656.1	2663.6	2664.8	2672.5
50°	2551.3	2510.4	2481.9	2456.5	2444.2	2434.2	2437.6	2440.3	2447.5	2448.0	2453.8
52.5°	2330.8	2303.8	2286.7	2271.0	2265.4	2259.8	2262.2	2261.1	2264.4	2262.7	2267.3
55°	2151.3	2138.6	2133.2	2127.4	2128.2	2126.7	2127.7	2121.9	2118.5	2114.2	2118.2
57.5°	2004.0	2002.3	2005.9	2008.3	2015.1	2017.5	2019.1	2012.5	2006.2	2000.5	2003.8
60°	1890.5	1893.3	1902.3	1909.5	1919.3	1923.8	1926.6	1922.8	1918.2	1913.6	1916.3
62.5°	1778.6	1782.9	1793.7	1801.8	1813.6	1819.6	1826.4	1826.8	1828.5	1826.8	1828.6
65°	1648.6	1654.1	1663.7	1670.5	1681.4	1686.7	1693.7	1694.9	1698.8	1697.8	1701.2
67.5°	1549.9	1554.8	1562.9	1569.3	1579.0	1584.5	1590.6	1591.0	1592.3	1592.0	1595.1
70°	1444.6	1447.0	1454.3	1459.6	1469.3	1475.1	1482.0	1484.0	1488.4	1489.1	1492.5
72.5°	1332.3	1331.3	1335.6	1338.0	1345.3	1349.8	1358.6	1363.5	1370.7	1372.6	1375.3
75°	1210.0	1209.0	1214.1	1216.2	1222.5	1226.9	1236.8	1243.3	1254.5	1259.2	1258.0
77.5°	1068.4	1070.9	1080.5	1085.9	1094.3	1100.0	1112.8	1123.0	1143.6	1152.7	1143.5
80°	910.1	912.6	922.7	927.8	938.7	945.6	960.0	972.0	990.4	994.5	989.2
82.5°	715.5	716.2	725.3	729.0	743.2	753.4	771.7	781.2	792.7	790.9	789.5
85°	487.9	494.4	505.7	517.0	534.3	550.9	568.1	582.3	572.2	588.0	570.4
87.5°	260.7	260.0	275.3	272.8	297.2	311.2	326.0	333.2	341.1	339.5	339.7
90°	63.3	59.8	60.2	56.4	58.0	53.9	56.6	52.9	56.5	51.7	59.3
92.5°	58.7	56.5	53.8	51.6	48.8	46.6	43.9	41.5	38.9	36.5	38.9
95°	71.4	69.1	66.9	64.4	62.2	59.8	57.6	55.3	53.1	50.8	53.6
97.5°	87.5	86.2	84.9	83.5	82.2	80.8	79.5	78.2	76.7	75.4	77.3
100°	98.6	98.6	98.6	98.6	98.3	98.3	98.3	98.3	98.3	98.3	99.8
102.5°	184.7	180.4	176.1	171.4	167.1	162.8	158.4	154.0	149.6	145.3	151.8
105°	411.5	394.4	377.2	360.1	342.8	325.7	308.6	291.5	274.3	257.3	275.0
107.5°	759.7	728.4	697.0	665.9	634.6	603.4	572.2	541.1	509.9	478.8	506.7
110°	1058.3	1025.1	991.9	958.9	925.7	892.4	859.4	826.3	793.3	760.2	786.8



TEST NUMBER: P1444416  
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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°	1179.8	1157.9	1136.5	1115.1	1093.7	1072.4	1051.0	1029.8	1008.5	987.2	1000.1
115°	1164.5	1154.2	1143.8	1133.6	1123.3	1112.9	1102.6	1092.6	1082.6	1072.5	1073.3
117.5°	1069.5	1065.8	1062.3	1058.6	1055.1	1051.7	1048.4	1045.1	1041.7	1038.7	1031.4
120°	932.7	933.3	933.9	934.9	935.8	937.2	938.0	939.3	940.6	941.9	932.2
122.5°	798.0	799.9	802.2	804.5	806.8	809.4	811.8	814.7	817.6	820.4	810.7
125°	681.5	683.4	685.5	687.6	689.6	692.4	694.8	697.6	700.3	703.4	695.2
127.5°	598.6	598.9	599.0	599.7	600.2	601.2	602.1	603.4	604.7	606.1	601.0
130°	547.5	546.0	544.4	543.2	541.8	541.0	540.3	539.6	539.0	538.8	536.8
132.5°	519.6	516.9	514.2	511.7	509.2	507.2	505.0	503.5	501.9	500.5	499.9
135°	506.5	503.0	499.6	496.1	492.9	490.3	487.3	485.0	482.6	480.5	481.2
137.5°	499.4	495.9	492.4	489.2	485.8	483.2	480.2	477.8	475.5	473.3	474.4
140°	499.5	495.9	492.5	489.3	486.3	483.5	480.8	478.5	475.8	474.1	474.6
142.5°	497.7	494.9	491.6	488.9	485.9	483.4	481.0	479.0	476.4	474.8	475.6
145°	497.4	495.3	492.9	490.7	488.7	486.8	484.6	483.3	481.8	480.8	481.2
147.5°	495.3	493.9	491.9	490.4	488.6	487.4	486.0	484.9	483.8	483.1	483.2
150°	490.6	489.6	488.4	487.3	486.3	485.5	484.6	484.0	483.3	482.8	482.8
152.5°	484.4	483.6	482.6	481.8	480.9	480.3	479.6	479.1	478.6	478.2	478.1
155°	476.4	476.0	475.6	475.4	475.0	475.1	474.7	475.0	474.7	474.8	475.0
157.5°	472.7	472.8	472.6	472.9	472.9	473.2	473.1	473.6	473.6	474.1	474.4
160°	472.2	472.2	472.0	472.2	472.1	472.1	472.2	472.4	472.5	472.6	473.2
162.5°	471.6	472.1	472.3	472.6	473.2	473.5	474.0	474.7	475.1	475.7	476.3
165°	475.5	475.5	475.5	475.4	475.8	476.0	476.1	476.7	476.9	477.4	478.1
167.5°	478.3	478.6	478.7	479.0	479.4	479.8	480.2	480.9	481.5	482.4	482.9
170°	484.1	484.1	484.1	484.1	484.1	484.5	484.6	484.8	485.0	485.5	485.9
172.5°	491.3	491.3	490.9	491.3	490.9	491.3	491.3	491.4	491.4	491.6	491.8
175°	494.7	495.2	495.4	495.8	495.8	495.9	496.1	496.3	496.5	496.9	496.9
177.5°	498.7	498.8	498.8	498.8	498.8	499.1	499.1	499.1	499.1	498.8	499.1
180°	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1



TEST NUMBER: P1444416  
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**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2
2.5°	47332.4	47308.7	47332.9	47308.3	47332.9	47303.4	47323.4	47291.5	47299.7	47266.6	47275.1
5°	49122.1	49084.3	49104.4	49055.4	49060.6	48995.1	48993.9	48917.6	48897.6	48810.8	48772.6
7.5°	50569.3	50557.0	50563.9	50532.3	50528.7	50484.0	50462.7	50399.7	50360.0	50280.1	50225.5
10°	50340.2	50377.2	50386.6	50424.3	50432.0	50469.3	50477.0	50514.3	50522.1	50549.7	50550.0
12.5°	48049.0	48174.2	48204.2	48358.9	48424.0	48601.1	48696.1	48891.1	49007.0	49201.6	49321.1
15°	43634.9	43851.6	43938.1	44240.2	44407.4	44760.1	44981.7	45386.8	45672.7	46102.8	46409.7
17.5°	37559.8	37862.7	37999.4	38409.1	38676.5	39197.0	39572.4	40190.0	40662.8	41349.2	41893.2
20°	30823.0	31159.6	31345.2	31812.7	32128.1	32736.4	33204.9	33963.8	34596.8	35466.5	36210.3
22.5°	24305.7	24626.1	24832.0	25307.5	25662.7	26297.2	26820.7	27621.9	28331.0	29311.0	30202.8
25°	18662.2	18955.7	19141.9	19572.1	19905.7	20488.7	20988.6	21759.1	22453.0	23435.9	24350.4
27.5°	14267.1	14512.9	14692.4	15059.1	15353.2	15847.8	16277.2	16914.0	17511.8	18362.3	19176.5
30°	10922.6	11140.6	11315.1	11634.7	11907.3	12335.9	12713.6	13248.5	13743.3	14420.0	15067.8
32.5°	8346.6	8534.3	8689.9	8969.5	9216.9	9603.0	9943.2	10412.0	10836.7	11410.6	11943.5
35°	6364.0	6733.3	6707.0	7092.7	7154.7	7431.8	7735.3	8145.2	8521.3	9009.4	9462.9
37.5°	4939.6	5043.3	5154.6	5325.0	5504.2	5756.2	6012.6	6513.5	6697.1	7066.0	7441.5
40°	3983.2	4053.4	4126.8	4242.0	4367.5	4545.0	4731.8	4970.7	5215.5	5514.6	5820.0
42.5°	3367.4	3407.2	3453.9	3521.7	3598.9	3711.5	3836.4	3998.5	4168.8	4379.3	4594.1
45°	3008.6	2989.8	3003.7	3040.0	3086.6	3155.0	3233.8	3334.2	3445.1	3581.4	3726.6
47.5°	2674.2	2681.7	2685.9	2705.6	2730.6	2776.5	2824.3	2892.4	3023.9	3063.9	3143.1
50°	2453.2	2456.9	2455.6	2465.7	2478.3	2508.2	2539.1	2585.3	2631.4	2692.3	2750.5
52.5°	2268.0	2273.2	2272.6	2279.1	2285.9	2304.8	2324.3	2356.9	2387.1	2425.8	2459.3
55°	2121.8	2128.9	2131.7	2137.3	2140.5	2150.4	2158.2	2173.8	2186.6	2208.6	2228.9
57.5°	2009.3	2019.1	2023.5	2025.5	2021.5	2020.9	2018.4	2021.6	2024.3	2036.1	2047.5
60°	1920.8	1928.6	1929.8	1928.6	1921.3	1916.2	1907.8	1905.2	1903.9	1909.5	1915.8
62.5°	1828.1	1830.9	1829.0	1826.8	1818.4	1813.4	1804.8	1801.7	1798.6	1802.7	1806.0
65°	1700.0	1702.4	1700.0	1698.6	1691.1	1687.1	1679.9	1677.4	1673.2	1674.3	1673.6
67.5°	1595.8	1598.3	1596.3	1594.4	1589.3	1586.8	1581.4	1578.0	1572.9	1571.0	1567.6
70°	1492.0	1493.9	1491.0	1489.1	1483.2	1480.9	1476.0	1474.9	1470.9	1470.0	1466.1
72.5°	1372.6	1372.8	1368.7	1367.5	1363.2	1363.0	1360.8	1362.8	1362.7	1364.7	1363.9
75°	1250.6	1248.8	1243.6	1242.7	1239.5	1241.0	1238.7	1241.7	1242.1	1246.5	1247.0
77.5°	1128.2	1121.8	1111.9	1107.3	1100.6	1099.8	1096.0	1098.6	1097.7	1102.9	1105.0
80°	973.7	965.9	953.2	947.1	939.4	938.2	934.6	938.2	936.5	942.5	946.8
82.5°	777.3	770.6	757.5	752.6	743.6	744.4	740.6	744.4	743.9	752.9	758.2
85°	575.0	570.5	557.0	545.1	531.7	523.9	516.3	514.9	512.7	516.3	519.4
87.5°	332.2	327.9	317.4	310.5	287.1	288.1	278.9	278.4	276.2	274.0	278.9
90°	57.9	64.4	63.3	69.1	68.8	75.6	75.7	82.1	81.4	87.8	88.1
92.5°	41.5	43.9	46.4	48.8	51.4	53.8	56.3	58.7	64.1	69.0	74.7
95°	56.4	59.3	62.2	65.0	67.8	70.7	73.6	76.4	84.2	91.9	99.7
97.5°	79.4	81.0	82.9	84.9	86.8	88.6	90.5	92.4	101.0	109.4	117.8
100°	101.3	102.8	104.3	105.9	107.5	109.0	110.5	112.0	128.4	144.6	160.7
102.5°	158.2	164.7	171.1	177.6	184.2	190.7	197.2	203.6	240.8	277.9	314.9
105°	292.6	310.3	328.1	345.9	363.5	381.2	399.0	416.6	476.0	535.4	594.9
107.5°	534.7	562.5	590.5	618.6	646.6	674.6	702.6	730.6	788.5	846.7	904.6
110°	813.4	840.2	866.7	893.6	920.1	946.9	973.6	1000.6	1035.5	1070.2	1105.2



TEST NUMBER: P1444416  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L840-UPL30

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	1013.1	1026.1	1039.2	1052.3	1065.3	1078.6	1091.7	1105.0	1122.5	1140.1	1157.6
115°	1074.2	1075.0	1076.0	1077.0	1078.0	1079.0	1080.4	1081.5	1087.4	1093.0	1098.8
117.5°	1024.3	1017.3	1010.4	1003.3	996.6	989.9	983.4	976.7	975.9	975.1	974.7
120°	923.0	913.4	904.2	894.7	885.6	876.5	867.6	858.9	854.5	850.3	846.1
122.5°	801.4	792.1	782.9	773.6	764.6	755.8	747.2	738.5	735.8	733.0	730.4
125°	687.4	679.8	672.1	664.6	657.5	650.3	643.3	636.4	636.9	637.1	637.9
127.5°	596.4	591.8	587.3	583.1	579.2	575.0	571.3	567.4	570.2	573.0	575.8
130°	534.8	533.1	531.5	529.8	528.8	527.6	526.5	525.5	530.0	534.1	538.6
132.5°	500.1	500.0	500.3	500.5	501.2	501.8	502.8	503.4	508.3	513.1	518.0
135°	481.9	482.8	484.2	485.3	487.1	488.6	490.5	492.1	497.0	501.4	506.3
137.5°	475.6	477.0	478.7	480.2	482.3	484.1	486.3	488.4	492.3	496.0	500.0
140°	475.9	476.8	478.4	479.8	481.4	482.9	485.1	486.7	490.2	493.1	496.1
142.5°	476.9	477.6	479.0	480.4	482.0	483.4	485.2	486.6	489.2	491.4	494.2
145°	482.1	482.8	484.0	484.8	486.1	487.3	488.8	490.0	491.8	493.2	495.0
147.5°	483.9	484.4	485.3	486.2	487.2	488.2	489.0	489.9	491.3	492.3	493.6
150°	483.3	483.6	484.1	484.5	485.3	486.0	486.8	487.3	488.5	489.4	490.6
152.5°	478.8	478.9	479.4	479.8	480.5	481.0	481.5	482.1	483.2	483.9	485.0
155°	475.5	476.2	477.0	477.5	478.4	478.7	479.6	480.1	481.0	481.6	482.5
157.5°	475.1	475.4	476.3	476.8	477.6	478.1	478.8	479.3	480.2	480.7	481.4
160°	474.0	474.9	475.6	476.4	477.4	478.1	479.0	479.9	480.6	481.1	481.8
162.5°	477.0	477.7	478.4	478.9	479.6	480.3	480.8	481.5	482.6	483.1	484.2
165°	479.0	479.7	480.7	481.2	482.2	483.1	483.8	484.7	485.2	485.9	486.4
167.5°	483.8	484.3	485.4	486.0	486.9	487.6	488.6	489.3	490.0	490.3	491.0
170°	486.6	487.3	488.1	488.7	489.4	490.0	490.9	491.4	492.3	492.8	493.7
172.5°	492.3	492.9	493.4	493.7	494.2	495.0	495.5	495.9	496.6	497.1	497.7
175°	496.9	496.9	497.1	497.3	497.4	497.4	497.6	497.9	498.1	498.3	498.5
177.5°	499.3	499.5	499.7	499.8	500.0	500.2	500.4	500.6	500.6	500.6	500.6
180°	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1



TEST NUMBER: P1444416  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L840-UPL30

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2
2.5°	47242.0	47244.0	47206.0	47203.8	47168.1	47163.7	47128.9	47118.3	47090.0	47079.8	47051.1
5°	48675.3	48628.9	48521.6	48458.5	48352.5	48282.4	48167.6	48092.8	47982.1	47898.5	47787.1
7.5°	50124.9	50052.8	49932.4	49834.8	49687.7	49570.3	49398.2	49257.3	49070.8	48909.5	48713.7
10°	50550.0	50538.9	50508.2	50463.5	50395.1	50318.2	50201.1	50079.0	49915.5	49738.2	49520.5
12.5°	49504.0	49616.9	49770.9	49862.3	49973.2	50022.0	50067.5	50056.1	50026.1	49936.3	49810.6
15°	46854.0	47171.5	47591.8	47917.5	48292.3	48564.6	48865.4	49052.7	49239.7	49326.0	49378.8
17.5°	42638.7	43239.7	43993.3	44617.9	45338.5	45917.3	46551.7	47029.4	47520.6	47872.4	48190.6
20°	37224.1	38094.9	39160.7	40102.3	41197.3	42148.8	43191.4	44047.4	44930.1	45620.3	46273.6
22.5°	31351.0	32385.2	33673.9	34867.5	36279.0	37547.5	38978.8	40224.5	41525.1	42611.7	43662.3
25°	25575.9	26710.0	28119.1	29450.9	31049.5	32525.0	34222.4	35774.9	37455.9	38915.4	40357.2
27.5°	20302.4	21415.8	22854.4	24272.1	25962.5	27534.7	29353.3	31063.8	32977.9	34743.0	36548.6
30°	15968.0	16912.4	18202.3	19575.4	21242.6	22842.5	24680.9	26440.1	28431.3	30358.5	32392.3
32.5°	12650.9	13370.5	14384.5	15545.6	17083.9	18607.0	20357.5	22055.6	24016.5	25963.3	28078.6
35°	10047.1	10608.3	11381.5	12287.6	13590.3	14903.2	16451.5	17995.9	19825.2	21672.6	23728.6
37.5°	7922.8	8378.0	8983.5	9664.3	10709.1	11786.5	13056.2	14336.5	15926.1	17563.7	19427.0
40°	6186.8	6555.5	7026.9	7534.5	8323.4	9153.6	10135.5	11128.4	12405.5	13743.8	15285.9
42.5°	4860.2	5132.2	5465.1	5836.2	6572.2	7013.1	7678.8	8396.9	9335.8	10307.3	11466.8
45°	3903.1	4088.7	4319.6	4568.4	4910.1	5283.9	5740.0	6218.2	7110.0	7547.5	8252.6
47.5°	3259.6	3384.1	3531.0	3687.8	3889.3	4106.7	4377.1	4653.7	5011.3	5381.9	5816.4
50°	2826.1	2952.7	3003.1	3084.4	3201.0	3325.2	3477.6	3630.1	3821.9	4016.3	4239.9
52.5°	2504.3	2545.6	2600.5	2652.2	2724.4	2865.8	2911.5	2991.2	3098.7	3203.9	3321.4
55°	2258.6	2285.5	2321.2	2352.4	2396.1	2437.8	2498.1	2551.2	2622.8	2686.3	2764.3
57.5°	2067.4	2084.6	2109.3	2129.8	2158.0	2181.6	2216.9	2245.6	2286.9	2322.8	2370.0
60°	1928.5	1939.9	1956.6	1969.9	1987.8	2000.1	2017.7	2031.2	2053.0	2071.2	2097.5
62.5°	1815.0	1820.8	1831.7	1839.6	1851.0	1857.3	1866.6	1872.5	1884.4	1893.6	1908.3
65°	1678.8	1680.2	1687.5	1690.8	1699.8	1703.1	1710.7	1713.5	1723.4	1730.0	1743.0
67.5°	1567.2	1564.2	1564.3	1561.7	1562.9	1560.3	1561.0	1558.2	1562.2	1564.3	1574.1
70°	1465.4	1461.0	1459.6	1455.0	1453.6	1448.7	1447.3	1443.0	1442.5	1441.1	1444.6
72.5°	1366.1	1364.9	1365.2	1361.9	1361.5	1358.3	1358.4	1356.4	1358.6	1359.6	1364.2
75°	1251.9	1252.3	1254.5	1251.6	1252.5	1249.6	1250.7	1248.1	1249.4	1248.9	1253.5
77.5°	1112.9	1116.3	1122.3	1121.1	1123.0	1119.9	1121.3	1117.7	1118.7	1116.3	1118.0
80°	956.7	963.6	971.8	971.5	974.9	972.7	975.7	972.3	973.7	969.5	968.4
82.5°	771.2	777.0	785.7	786.0	793.7	795.1	803.6	803.2	808.5	805.1	802.7
85°	527.2	531.1	538.8	542.9	550.8	555.7	563.7	567.1	561.2	571.9	563.4
87.5°	275.3	285.5	279.8	293.1	290.0	303.5	300.6	313.1	310.7	321.4	320.0
90°	96.4	97.4	105.9	107.6	117.9	120.5	125.7	122.4	127.3	124.3	129.3
92.5°	79.6	85.4	90.7	96.0	101.3	106.9	101.7	96.8	91.8	87.1	81.9
95°	107.5	115.3	123.1	130.9	138.6	146.4	138.0	129.9	121.6	113.2	104.8
97.5°	126.1	134.4	142.8	151.1	159.6	168.0	158.1	148.2	138.3	128.6	118.9
100°	176.9	193.2	209.4	225.5	241.9	258.0	239.6	221.3	203.0	184.5	166.2
102.5°	352.2	389.3	426.5	463.7	500.8	537.9	499.0	460.1	421.1	382.1	343.0
105°	654.3	713.9	773.3	832.6	892.2	951.9	888.6	825.4	762.1	699.0	635.6
107.5°	962.7	1020.6	1078.9	1136.7	1195.0	1253.2	1189.1	1124.9	1061.0	996.8	932.6
110°	1140.4	1175.2	1210.3	1245.4	1280.3	1315.6	1268.8	1222.2	1175.5	1128.7	1082.0



TEST NUMBER: P1444416  
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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°	1175.3	1193.1	1210.7	1228.6	1246.3	1264.0	1230.8	1197.6	1164.2	1131.1	1097.5
115°	1104.9	1110.7	1116.7	1122.6	1128.5	1134.4	1112.1	1089.8	1067.6	1045.3	1022.6
117.5°	974.0	973.7	972.9	972.8	972.0	971.5	959.2	946.9	934.5	922.1	909.8
120°	841.9	837.9	833.7	829.6	825.4	821.0	816.3	811.3	806.2	801.1	795.9
122.5°	727.6	725.3	722.4	719.8	716.9	714.2	712.6	711.0	709.3	707.6	705.7
125°	638.3	638.8	639.2	639.8	640.0	640.5	639.8	639.3	638.6	638.1	637.4
127.5°	578.4	581.3	583.8	586.4	588.9	591.6	591.7	592.1	592.2	592.4	592.5
130°	542.6	547.3	551.3	555.3	559.2	563.6	563.3	563.4	563.3	563.2	563.0
132.5°	522.9	527.6	532.2	537.2	541.6	546.3	546.0	546.0	545.4	545.5	545.2
135°	510.8	515.4	519.6	524.5	528.5	533.0	532.4	532.0	531.4	531.2	530.7
137.5°	503.5	507.4	511.0	514.7	517.9	521.7	520.9	520.6	519.9	519.7	519.1
140°	499.1	502.1	504.9	507.9	510.8	513.7	512.8	512.1	511.3	510.6	509.5
142.5°	496.3	498.7	500.8	503.3	505.3	507.6	506.0	504.8	503.6	502.3	501.0
145°	496.6	498.3	499.9	501.5	502.5	504.3	502.6	501.1	499.2	497.7	496.0
147.5°	494.6	495.8	496.5	497.7	498.2	499.6	497.7	496.2	494.6	492.8	491.1
150°	491.3	492.4	493.2	494.0	494.8	495.8	493.9	492.2	490.2	488.5	486.6
152.5°	485.8	486.6	487.4	488.2	488.9	489.6	487.6	486.3	484.3	482.4	480.7
155°	482.8	483.7	484.0	484.7	484.9	485.4	483.7	482.5	481.0	479.5	477.8
157.5°	481.9	482.6	483.1	483.4	483.8	484.3	483.2	482.2	480.8	479.9	478.6
160°	482.3	482.8	483.3	483.7	484.2	484.4	483.4	482.9	481.8	480.7	479.6
162.5°	484.7	485.5	486.0	486.6	487.3	487.9	486.7	485.8	484.6	483.5	482.1
165°	487.0	487.5	488.1	488.6	488.8	489.3	488.6	487.9	486.9	486.3	485.4
167.5°	491.4	492.1	492.4	492.9	493.1	493.4	492.7	492.2	491.3	490.5	489.6
170°	494.1	494.5	495.3	495.8	496.2	496.5	496.1	495.6	494.8	494.2	493.4
172.5°	498.2	498.7	499.0	499.5	499.7	500.2	499.6	498.8	498.2	497.5	496.7
175°	498.5	498.6	499.1	499.1	499.1	499.3	498.6	498.1	497.5	496.9	496.4
177.5°	500.6	500.6	500.6	500.5	500.5	500.5	500.1	499.7	499.4	499.0	498.3
180°	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1



TEST NUMBER: P1444416  
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**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2
2.5°	47040.8	47020.4	47007.2	46990.4	46980.1	46967.2	46957.6	46949.5	46942.9	46936.9	46932.3
5°	47702.3	47597.2	47515.5	47427.1	47354.6	47282.1	47226.3	47180.1	47148.2	47124.3	47110.1
7.5°	48544.5	48352.0	48180.9	48000.7	47839.1	47680.3	47543.4	47425.4	47336.9	47279.5	47244.7
10°	49296.5	49038.9	48784.0	48515.8	48261.6	48014.9	47787.1	47586.9	47428.3	47323.0	47261.6
12.5°	49633.7	49414.2	49153.9	48862.7	48551.1	48235.7	47928.4	47651.1	47418.5	47262.4	47172.4
15°	49336.8	49246.7	49070.1	48844.0	48548.2	48222.2	47861.3	47522.1	47210.1	47007.7	46890.4
17.5°	48370.9	48496.7	48483.2	48396.7	48184.1	47909.6	47541.9	47160.9	46770.6	46500.1	46352.4
20°	46740.9	47136.2	47336.9	47439.9	47356.3	47178.4	46845.3	46458.7	46003.7	45650.7	45435.2
22.5°	44450.4	45148.4	45583.4	45901.7	45969.2	45908.6	45614.7	45246.8	44739.7	44315.3	43996.9
25°	41501.7	42524.3	43211.8	43750.7	43960.1	44014.1	43764.0	43398.2	42833.0	42338.4	41901.3
27.5°	38028.5	39357.4	40275.2	40999.4	41326.3	41468.1	41237.8	40864.6	40195.8	39605.6	39034.6
30°	34118.4	35695.0	36800.1	37668.5	38066.9	38254.2	38009.6	37593.1	36814.9	36104.5	35385.2
32.5°	29933.4	31658.6	32862.8	33805.8	34200.7	34376.9	34056.9	33589.1	32689.6	31852.8	31013.9
35°	25551.7	27293.0	28507.5	29425.4	29756.3	29862.5	29453.3	28912.6	27916.0	26997.6	26082.9
37.5°	21080.7	22700.9	23804.6	24628.5	24833.2	24851.6	24358.5	23761.3	22713.8	21808.2	20897.7
40°	16648.5	18014.8	18905.9	19565.3	19636.4	19573.0	19036.9	18435.9	17456.0	16644.7	15845.3
42.5°	12473.6	13504.9	14140.7	14592.6	14565.7	14440.4	13948.9	13432.3	12623.9	12005.9	11376.9
45°	8896.8	9576.7	9948.5	10213.0	10128.0	10008.7	9626.2	9264.0	8714.6	8315.5	7892.8
47.5°	6180.7	6992.8	6851.4	7368.3	6923.0	7217.1	6604.5	6266.8	5975.2	5763.2	5524.3
50°	4424.9	4610.9	4700.8	4762.2	4729.6	4684.4	4574.3	4475.9	4342.7	4245.7	4132.6
52.5°	3417.2	3510.2	3561.2	3598.1	3590.8	3574.4	3526.4	3482.5	3420.1	3379.0	3329.5
55°	2894.5	2895.9	2989.6	2949.4	3008.8	2939.2	2966.6	2889.5	2902.0	2835.8	2791.2
57.5°	2405.3	2443.4	2460.5	2477.1	2472.5	2469.5	2451.0	2441.6	2420.7	2414.2	2399.3
60°	2115.8	2135.6	2139.8	2147.5	2141.0	2138.6	2124.0	2118.9	2104.8	2102.3	2092.4
62.5°	1917.2	1927.4	1927.4	1927.4	1919.1	1911.1	1895.0	1886.5	1874.6	1872.0	1866.2
65°	1751.5	1762.1	1763.8	1766.2	1760.1	1753.8	1739.6	1730.4	1718.1	1713.5	1706.8
67.5°	1580.6	1591.8	1595.6	1601.4	1597.9	1596.6	1587.0	1583.3	1575.1	1573.3	1567.2
70°	1446.3	1450.9	1450.6	1450.4	1442.9	1436.1	1424.8	1419.5	1411.0	1409.3	1403.7
72.5°	1366.4	1369.7	1367.6	1364.7	1354.8	1344.8	1331.6	1321.9	1310.8	1303.9	1296.1
75°	1254.0	1258.3	1255.5	1253.7	1244.8	1238.2	1227.7	1222.3	1214.5	1212.2	1206.9
77.5°	1116.0	1118.0	1113.4	1112.9	1106.2	1102.0	1094.1	1092.6	1087.0	1087.2	1082.0
80°	962.3	961.0	953.7	952.4	945.6	943.9	937.7	938.0	933.4	935.3	931.7
82.5°	791.8	787.4	777.9	775.1	767.3	766.6	762.5	765.9	763.2	767.3	764.9
85°	567.4	568.6	564.4	564.4	562.2	562.9	562.5	565.1	565.4	569.3	569.2
87.5°	316.3	320.9	320.0	324.2	324.0	328.6	330.2	337.1	338.0	344.4	344.4
90°	126.2	131.9	128.6	134.5	133.3	140.2	140.2	147.0	146.1	151.9	149.6
92.5°	77.0	72.0	67.3	62.2	59.7	56.8	55.1	51.9	49.8	46.9	44.5
95°	96.5	88.2	79.8	71.4	68.6	65.6	62.7	59.8	57.0	54.2	51.3
97.5°	109.0	99.1	89.2	79.3	76.8	74.4	71.6	69.2	66.7	64.3	61.8
100°	147.7	129.3	111.1	92.4	90.3	88.3	86.2	84.0	82.0	79.7	77.6
102.5°	304.0	265.0	225.8	186.7	179.3	171.8	164.5	156.8	149.4	142.0	134.6
105°	572.3	508.9	445.6	382.1	361.9	341.8	321.7	301.5	281.3	261.2	241.1
107.5°	868.3	803.9	739.7	675.3	638.3	601.1	563.8	526.4	489.4	451.9	414.7
110°	1035.2	988.3	941.3	894.2	864.6	834.5	804.6	774.5	744.6	714.5	684.5



TEST NUMBER: P1444416  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L840-UPL30

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1064.1	1030.6	997.2	963.4	950.0	936.4	922.9	909.3	895.8	882.0	868.4
115°	1000.1	977.7	955.1	932.3	927.9	923.0	918.5	913.5	908.9	904.0	899.0
117.5°	897.4	884.8	872.2	859.6	860.5	861.4	862.5	863.2	863.9	864.4	865.2
120°	790.8	785.6	780.6	775.2	779.8	783.8	788.3	792.3	796.4	800.1	804.2
122.5°	704.0	702.1	700.3	698.2	703.7	708.9	714.1	719.1	724.1	728.6	733.3
125°	636.9	636.1	635.4	634.4	639.9	645.2	650.4	655.2	660.4	664.9	669.7
127.5°	592.7	592.9	593.1	593.0	597.2	600.8	604.8	608.1	611.9	614.9	618.2
130°	562.9	562.6	562.7	562.4	566.0	569.7	573.3	576.3	579.8	582.4	585.1
132.5°	545.0	544.6	544.4	544.0	546.9	549.4	552.2	554.2	556.6	558.3	560.2
135°	530.4	529.7	529.4	528.7	531.4	534.0	536.4	538.4	540.7	542.2	544.0
137.5°	518.7	518.1	517.6	516.9	519.4	521.7	523.9	525.7	527.6	529.2	530.6
140°	509.0	508.0	507.5	506.4	508.6	510.6	512.7	514.3	516.1	517.2	518.6
142.5°	499.7	498.0	497.2	495.5	497.2	498.6	500.2	501.4	502.7	503.6	504.4
145°	494.3	492.4	491.0	489.3	490.5	491.6	492.8	494.0	494.6	495.2	496.0
147.5°	489.6	487.6	485.9	484.1	485.4	486.1	486.8	487.3	488.4	488.8	489.1
150°	484.8	482.7	480.8	478.8	479.6	480.2	480.6	481.4	481.9	482.2	482.5
152.5°	478.8	476.9	475.0	472.9	473.4	473.8	474.1	474.4	474.8	475.0	475.1
155°	476.2	474.5	472.8	470.9	471.5	471.7	471.8	472.0	472.1	472.2	472.1
157.5°	477.3	475.4	474.5	472.8	472.8	472.9	472.9	472.4	472.3	472.0	471.7
160°	478.7	477.3	476.1	474.9	474.7	474.6	474.6	474.1	473.9	473.4	473.1
162.5°	480.8	479.5	478.0	476.6	476.3	476.3	476.2	475.7	475.5	475.0	474.7
165°	484.5	483.5	482.5	481.2	481.0	480.7	480.5	479.8	479.5	478.8	478.3
167.5°	488.6	487.6	486.4	485.2	485.2	485.2	485.1	484.8	484.5	484.0	483.9
170°	492.7	491.8	491.1	490.1	489.7	489.6	489.2	488.9	488.4	488.0	487.4
172.5°	495.8	495.0	494.1	493.0	493.0	492.8	492.5	492.3	491.8	491.5	491.3
175°	495.6	495.0	494.1	493.5	493.4	493.2	493.0	492.8	492.5	492.3	492.0
177.5°	497.9	497.6	496.8	496.4	496.3	496.3	496.1	495.9	495.9	495.8	495.6
180°	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1



TEST NUMBER: P1444416  
CATALOG NUMBER: EHBR1-54-UNV-TA-L840-UPL30

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	46747.2	46747.2
2.5°	46928.2	46925.8
5°	47102.6	47099.9
7.5°	47235.4	47234.5
10°	47251.0	47259.1
12.5°	47156.7	47163.3
15°	46881.5	46894.3
17.5°	46355.1	46371.9
20°	45448.3	45465.8
22.5°	43979.8	43987.2
25°	41844.8	41814.6
27.5°	38934.3	38882.1
30°	35234.2	35183.7
32.5°	30822.6	30791.1
35°	25856.7	25836.9
37.5°	20628.6	20588.0
40°	15553.0	15434.9
42.5°	11101.4	10894.0
45°	7672.0	7426.2
47.5°	5355.9	5203.9
50°	4059.6	4010.6
52.5°	3307.9	3296.4
55°	2791.1	2786.1
57.5°	2402.6	2400.9
60°	2097.5	2097.0
62.5°	1870.1	1870.9
65°	1709.9	1710.2
67.5°	1568.8	1567.8
70°	1405.7	1404.5
72.5°	1293.5	1291.6
75°	1206.9	1205.7
77.5°	1083.5	1081.6
80°	934.1	931.7
82.5°	768.4	765.6
85°	573.1	573.3
87.5°	350.6	350.5
90°	155.1	152.0
92.5°	42.4	40.3
95°	48.4	45.6
97.5°	59.3	56.8
100°	75.6	73.5
102.5°	127.1	119.8
105°	221.0	200.8
107.5°	377.5	340.2
110°	654.4	624.5



TEST NUMBER: P1444416  
CATALOG NUMBER: EHBR1-54-UNV-TA-L840-UPL30

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	854.6	840.9
115°	893.8	888.8
117.5°	865.5	866.0
120°	807.5	811.3
122.5°	737.6	741.9
125°	673.9	678.2
127.5°	620.9	623.6
130°	587.1	589.7
132.5°	561.5	562.7
135°	545.0	546.1
137.5°	531.4	532.3
140°	519.1	519.9
142.5°	504.9	505.4
145°	496.3	496.6
147.5°	488.8	489.0
150°	482.4	482.4
152.5°	474.8	474.9
155°	471.8	471.7
157.5°	471.1	470.7
160°	472.4	472.1
162.5°	474.0	473.7
165°	477.4	476.7
167.5°	483.2	483.1
170°	486.9	486.6
172.5°	490.8	490.4
175°	491.8	491.6
177.5°	495.6	495.2
180°	498.1	498.1



TEST NUMBER: P1444416  
 CATALOG NUMBER: EHBR1-54-UNV-TA-L840-UPL30

**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	18.27	19.36	18.74	19.80	20.26	16.65	17.74	17.12	18.18	18.64
	3H	19.82	20.79	20.31	21.24	21.76	19.08	20.05	19.57	20.50	21.02
	4H	20.61	21.52	21.12	21.99	22.52	20.19	21.10	20.70	21.57	22.10
	6H	21.38	22.21	21.90	22.70	23.24	21.24	22.07	21.76	22.56	23.10
	8H	21.70	22.48	22.23	22.99	23.54	21.68	22.46	22.21	22.97	23.52
	12H	21.94	22.69	22.48	23.19	23.77	22.03	22.78	22.57	23.28	23.85
4H	2H	18.65	19.55	19.16	20.02	20.56	17.36	18.26	17.87	18.74	19.27
	3H	20.52	21.27	21.04	21.79	22.34	19.99	20.73	20.51	21.25	21.80
	4H	21.53	22.20	22.07	22.73	23.32	21.24	21.91	21.78	22.44	23.03
	6H	22.48	23.06	23.05	23.62	24.22	22.42	23.00	22.99	23.56	24.17
	8H	22.87	23.41	23.44	23.96	24.58	22.92	23.46	23.49	24.02	24.63
	12H	23.18	23.66	23.77	24.24	24.86	23.34	23.81	23.92	24.40	25.02
8H	4H	21.90	22.44	22.47	23.00	23.61	21.66	22.20	22.23	22.75	23.36
	6H	23.06	23.50	23.66	24.10	24.72	23.01	23.45	23.61	24.05	24.67
	8H	23.57	23.96	24.19	24.58	25.21	23.61	24.00	24.23	24.62	25.25
	12H	24.00	24.34	24.61	24.94	25.64	24.13	24.48	24.75	25.08	25.78
12H	4H	21.95	22.43	22.54	23.01	23.63	21.71	22.19	22.30	22.78	23.39
	6H	23.17	23.56	23.79	24.18	24.81	23.12	23.51	23.74	24.13	24.76
	8H	23.76	24.10	24.37	24.70	25.41	23.79	24.13	24.41	24.73	25.44

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



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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-1

Test Date: 07/30/2025

Luminaire Tested: EHBR-60-L840-N

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

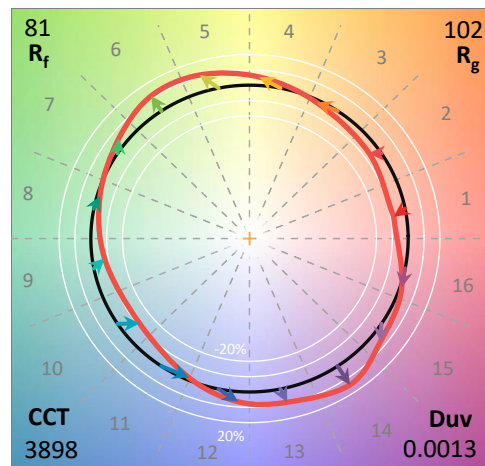
**Test Information**

Test Method: LM-79-2019  
 Report Number: SP1-2506-472-1  
 Test Lab: COOPER LIGHTING SOLUTIONS  
 Photometer: SP1 - 76IN SPHERE  
 Measurement Geometry: 4π  
 Issue Date: 08/05/2025  
 Manufacturer: COOPER LIGHTING SOLUTIONS  
 Product Line: Metalux  
 Catalog Number: **EHBR-60-L840-N**  
 Description: Elevate Round Highbay at, 60000 lumens, 4000K 80CRI LEDs with N lens

**Spectral Parameters**

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

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



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

REPORT NUMBER: SP1-2506-472-1

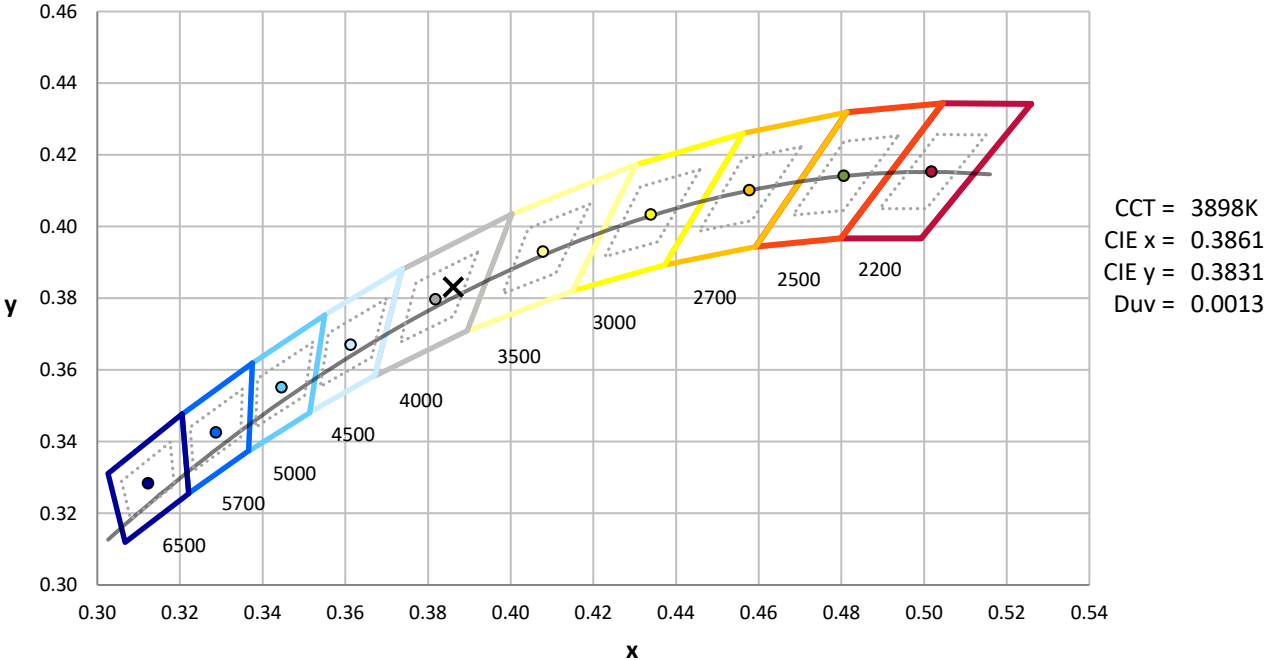
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208	10/22/2024	10/22/2025
Sphere Thermometer	ONSET IN0085	10/22/2024	10/22/2025
Room Thermometer	ONSET IN0046	10/22/2024	10/22/2025

REPORT NUMBER: SP1-2506-472-1

CIE 1931 Chromaticity Diagram



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

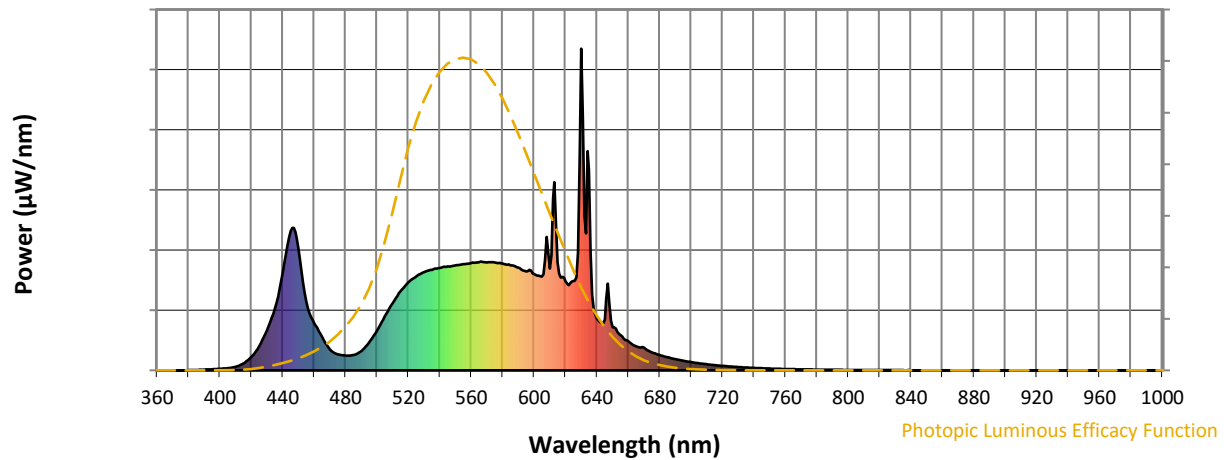


CCT = 3898K  
 CIE x = 0.3861  
 CIE y = 0.3831  
 Duv = 0.0013

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-1

**Photopic Flux vs. Wavelength**



**Photopic Lumens: NR**

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

REPORT NUMBER: SP1-2506-472-1

**Scotopic Flux vs. Wavelength**



**Scotopic Lumens: NR**

**S/P: 1.55**

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

REPORT NUMBER: SP1-2506-472-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.99

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

**Summary**

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

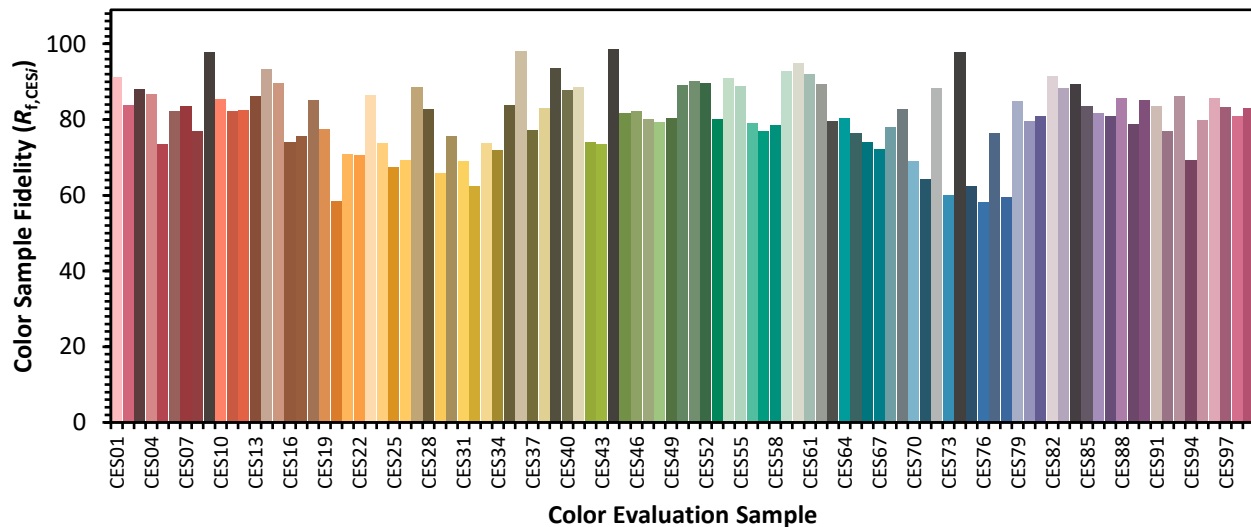


**Color Vector Graphics**



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

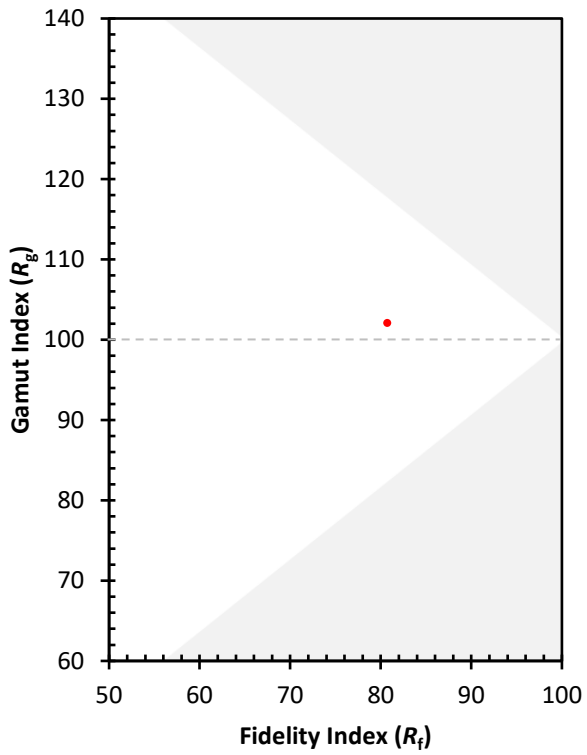
CES01 = 85	CES26 = 69	CES51 = 90	CES76 = 58
CES02 = 61	CES27 = 89	CES52 = 90	CES77 = 76
CES03 = 31	CES28 = 83	CES53 = 80	CES78 = 60
CES04 = 69	CES29 = 66	CES54 = 91	CES79 = 85
CES05 = 48	CES30 = 76	CES55 = 89	CES80 = 79
CES06 = 50	CES31 = 69	CES56 = 79	CES81 = 81
CES07 = 41	CES32 = 62	CES57 = 77	CES82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



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)