

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: P1444509

Luminaire Tested: EHBR1-18-UNV-TA-L835-UPL24

Issue Date: 5/1/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1444509  
REPORT IS A COMBINATION OF REPORTS P1444328 AND P1431635  
Test Lab: INNOVATION CENTER  
Issue Date: 5/1/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: EHBR1-18-UNV-TA-L835-UPL24  
Description: Elevate Round Highbay at, 18000 lumens, 3500K 80CRI LEDs with TA lens  
Light Source: -  
Ballast/Driver: -

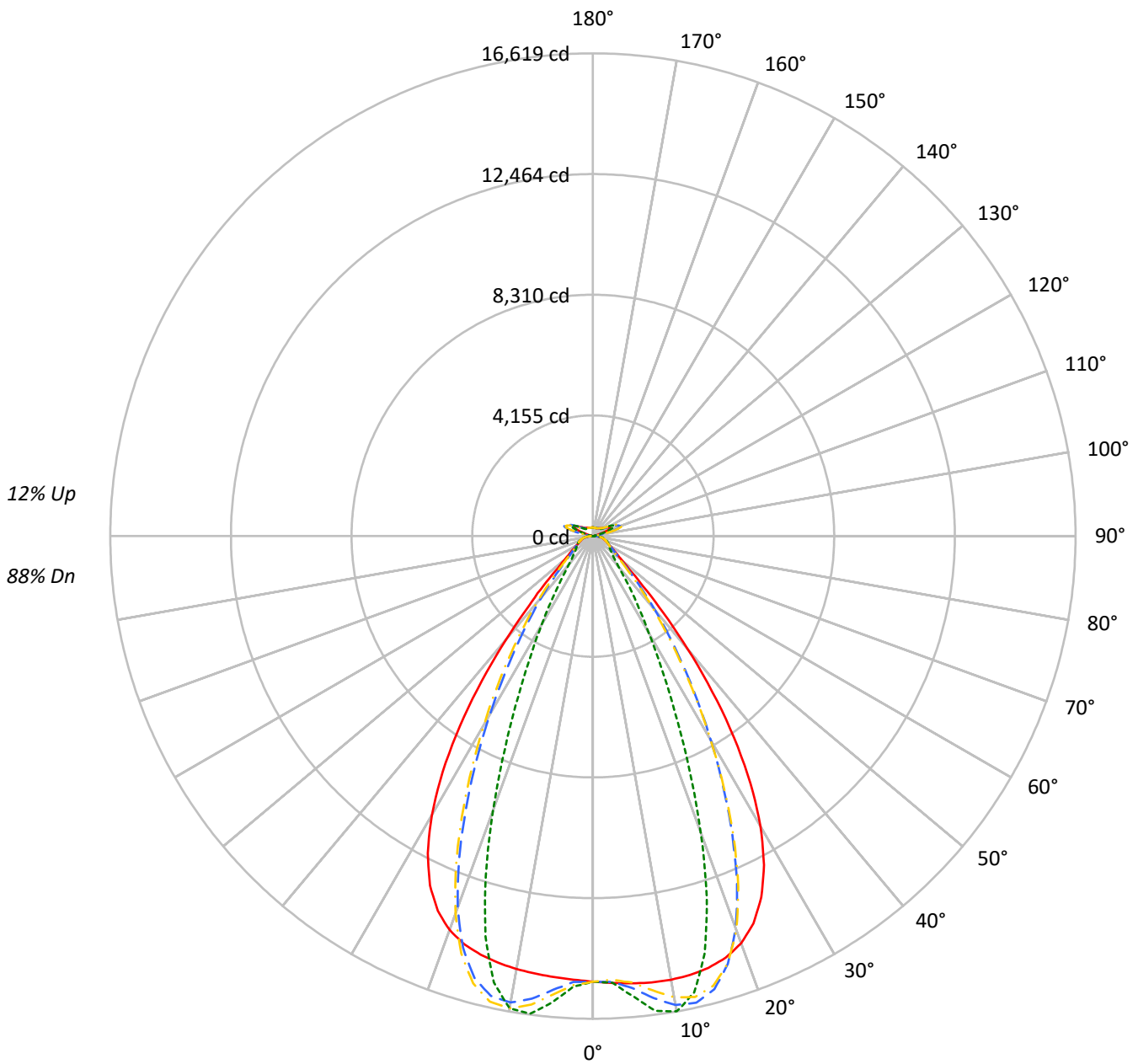
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20119.6 lumens  
Efficiency: N/A  
Efficacy: 180.9 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: Semi-Direct

Input Watts (W): 111.2  
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: P1444509  
CATALOG NUMBER: EHBR1-18-UNV-TA-L835-UPL24

### Luminous Intensity Polar Plot



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



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

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	116	116	116	116	112	112	112	112	104	104	104	97	97	97	91	91	91	88			
1	109	105	102	99	105	102	99	97	96	93	92	90	88	87	84	83	82	79			
2	102	96	91	87	99	93	89	85	88	84	81	83	80	78	79	76	74	72			
3	96	88	82	77	92	86	80	76	81	77	73	77	73	70	73	70	68	66			
4	90	81	74	69	87	79	73	68	75	70	66	72	68	64	68	65	62	60			
5	85	75	68	63	82	73	67	62	70	65	61	67	62	59	64	60	57	55			
6	80	69	63	58	77	68	62	57	65	60	56	62	58	54	60	56	53	51			
7	75	65	58	53	73	63	57	53	61	55	51	59	54	50	56	52	49	47			
8	71	60	54	49	69	59	53	49	57	52	48	55	50	47	53	49	46	44			
9	67	57	50	46	65	56	49	45	54	48	44	52	47	44	50	46	43	41			
10	64	53	47	43	62	52	46	42	51	45	42	49	44	41	47	43	40	39			

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

	0°	90°	180°	270°
0°	72040	72040	72040	72040
5°	72389	74500	71376	75476
10°	72994	78219	71243	77702
15°	73351	70905	71119	68050
20°	72593	52822	70217	48873
25°	68712	33407	66441	30311
30°	60026	20075	57701	18346
35°	46196	12598	43539	11159
40°	29223	7902	26736	7425
45°	15062	6156	14812	6055
50°	8831	5475	8560	5390
55°	6766	5181	6515	5134
60°	5724	5292	5481	5223
65°	5377	5526	5171	5337
70°	5254	5787	4992	5570
75°	5616	6138	5313	5867
80°	5811	6796	5269	6205
85°	5473	6555	4422	5615

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 25°  
 Vertical Angle: 45°  
 Luminance: 23051 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1511.8	7.5
10°-20°	4253.0	21.1
20°-30°	4843.8	24.1
30°-40°	3481.5	17.3
40°-50°	1605.7	8.0
50°-60°	768.4	3.8
60°-70°	560.6	2.8
70°-80°	425.9	2.1
80°-90°	197.9	1.0
90°-100°	68.4	0.3
100°-110°	415.8	2.1
110°-120°	768.5	3.8
120°-130°	464.2	2.3
130°-140°	290.7	1.4
140°-150°	209.5	1.0
150°-160°	142.0	0.7
160°-170°	83.7	0.4
170°-180°	28.2	0.1
0°-30°	10608.6	52.7
0°-40°	14090.1	70.0
0°-60°	16464.1	81.8
0°-90°	17648.6	87.7
90°-120°	1252.7	6.2
90°-150°	2217.1	11.0
90°-180°	2471.0	12.3
0°-180°	20119.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	15340	15340	15340	15340	15340	
5°	15456	15907	15240	16115	15456	1477
15°	15389	14876	14920	14277	15389	4336
25°	13722	6671	13268	6053	13722	6220
35°	8479	2312	7991	2048	8479	5204
45°	2437	996	2397	980	2437	2073
55°	914	700	880	694	914	844
65°	561	577	540	557	561	561
75°	396	432	374	413	396	411
85°	188	225	152	193	188	177
90°	60	73	23	27	60	36
95°	31	35	32	35	31	30
105°	148	192	98	192	148	196
115°	668	815	700	815	668	616
125°	494	526	560	527	494	450
135°	377	342	407	344	377	295
145°	326	323	348	325	326	206
155°	297	302	318	304	297	138
165°	290	292	301	293	290	82
175°	293	297	299	297	293	28
180°	297	297	297	297	297	



TEST NUMBER: P1444509  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L835-UPL24

**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5
2.5°	15399.1	15397.9	15397.7	15396.6	15396.3	15396.3	15395.7	15394.5	15393.7	15391.9	15390.0
5°	15456.2	15455.6	15455.9	15456.0	15455.0	15452.6	15448.9	15444.2	15438.5	15433.0	15428.1
7.5°	15500.4	15501.5	15502.9	15502.6	15499.2	15493.6	15485.9	15481.6	15484.2	15492.5	15511.6
10°	15508.5	15515.1	15517.6	15516.8	15510.1	15505.3	15507.2	15523.4	15555.8	15599.0	15658.0
12.5°	15477.1	15485.1	15484.8	15482.2	15475.7	15482.3	15505.9	15554.2	15623.6	15708.7	15808.5
15°	15388.7	15399.2	15396.3	15392.8	15388.5	15410.2	15457.2	15541.2	15648.3	15768.4	15891.2
17.5°	15217.3	15230.0	15223.8	15219.9	15216.3	15256.9	15337.6	15460.7	15595.6	15731.4	15847.8
20°	14920.0	14928.5	14913.8	14906.9	14912.8	14992.4	15111.3	15268.4	15410.7	15539.0	15618.6
22.5°	14434.7	14445.3	14417.9	14414.7	14448.5	14570.7	14721.3	14897.0	15030.6	15132.3	15162.9
25°	13721.8	13732.1	13699.6	13719.1	13776.7	13943.0	14122.4	14310.3	14424.3	14499.7	14478.9
27.5°	12759.5	12768.9	12738.0	12777.8	12869.0	13087.6	13298.6	13502.4	13604.1	13656.9	13590.0
30°	11545.9	11565.4	11528.9	11584.4	11723.6	12007.5	12249.2	12477.8	12579.1	12619.3	12515.2
32.5°	10104.4	10132.3	10092.0	10174.6	10368.7	10709.7	10984.4	11239.8	11351.8	11397.8	11280.1
35°	8478.6	8518.6	8472.4	8596.5	8835.9	9215.6	9519.7	9804.9	9937.5	10002.6	9884.1
37.5°	6756.1	6794.3	6769.3	6934.8	7197.7	7591.3	7901.7	8209.3	8359.2	8456.8	8363.4
40°	5065.1	5100.0	5118.9	5308.2	5555.4	5926.4	6224.7	6528.9	6696.6	6819.1	6761.5
42.5°	3575.0	3610.2	3674.5	3857.1	4063.3	4370.4	4625.9	4899.1	5059.3	5190.0	5167.7
45°	2436.9	2477.9	2558.4	2708.0	2857.1	3077.5	3265.0	3477.5	3608.3	3728.1	3729.5
47.5°	1707.7	1736.4	1808.4	1910.5	2007.8	2283.6	2294.9	2399.3	2487.3	2576.8	2588.4
50°	1316.1	1333.4	1371.6	1428.5	1483.6	1555.2	1620.7	1696.4	1750.6	1799.6	1811.3
52.5°	1081.7	1092.8	1112.2	1143.0	1175.0	1213.9	1249.0	1290.6	1319.9	1346.2	1351.7
55°	914.3	923.4	952.3	958.2	994.7	1001.7	1017.3	1042.6	1059.8	1075.5	1079.4
57.5°	787.9	794.5	800.6	813.7	825.0	841.3	854.5	872.7	883.5	894.9	895.8
60°	688.1	692.9	697.4	706.4	714.1	725.5	734.6	746.9	754.7	763.2	764.2
62.5°	614.0	617.4	620.3	626.3	631.8	640.5	647.7	658.0	665.3	671.8	673.3
65°	561.2	563.7	565.6	570.1	574.9	582.4	588.9	597.3	602.6	607.7	608.7
67.5°	514.5	516.9	518.7	522.9	526.2	531.8	536.2	542.5	546.5	550.6	550.6
70°	461.0	463.1	464.6	468.5	471.1	475.9	479.5	485.1	489.3	493.7	494.9
72.5°	423.8	425.2	427.1	430.7	434.4	439.4	444.2	450.1	455.0	459.7	461.7
75°	395.6	397.2	398.5	401.5	404.0	408.4	411.9	417.3	421.6	426.6	429.1
77.5°	355.0	356.7	357.8	360.9	363.0	367.2	369.8	374.7	378.2	382.7	384.9
80°	305.7	307.4	308.2	311.1	312.8	316.6	319.2	323.9	326.8	331.3	334.0
82.5°	251.2	252.8	253.3	256.0	256.9	260.1	261.9	266.7	270.3	276.2	280.3
85°	188.1	188.7	189.6	188.9	192.8	193.0	197.3	198.1	203.7	205.3	211.8
87.5°	115.0	116.7	117.6	120.2	121.3	123.9	124.7	127.5	129.1	132.3	133.7
90°	59.6	63.0	64.7	68.5	70.0	73.5	75.0	78.7	80.4	84.4	87.0
92.5°	27.4	29.4	31.2	33.4	35.2	37.4	39.5	41.5	43.4	45.7	49.5
95°	31.4	33.6	35.8	38.0	40.1	42.4	44.5	46.7	48.9	51.1	57.4
97.5°	39.6	41.5	43.3	45.3	47.1	49.1	50.9	52.8	54.7	56.6	64.2
100°	51.9	53.5	55.1	56.7	58.3	59.9	61.5	63.1	64.7	66.3	80.4
102.5°	86.5	92.2	97.8	103.6	109.3	114.8	120.6	126.2	131.9	137.6	167.5
105°	147.6	162.9	178.4	193.8	209.2	224.7	240.1	255.5	270.9	286.2	334.9
107.5°	253.3	281.7	310.3	338.8	367.4	395.9	424.5	452.9	481.5	509.9	559.3
110°	469.5	492.4	515.4	538.3	561.3	584.3	607.2	630.1	653.0	675.9	711.9



TEST NUMBER: P1444509  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L835-UPL24

**CANDELA DISTRIBUTION (continued):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	633.5	643.8	654.2	664.7	675.0	685.5	695.9	706.3	716.6	726.9	752.7
115°	668.0	671.7	675.3	678.9	682.7	686.3	690.0	693.6	697.3	700.7	718.3
117.5°	647.7	647.1	646.5	646.1	645.3	644.8	644.1	643.5	642.8	642.2	652.1
120°	602.8	599.7	596.7	593.5	590.4	587.1	584.0	580.9	577.7	574.4	578.8
122.5°	546.3	542.5	538.9	535.1	531.4	527.6	523.8	519.9	516.1	512.3	514.0
125°	493.9	490.1	486.6	482.7	478.9	474.9	471.1	467.3	463.4	459.5	460.5
127.5°	448.3	445.7	443.1	440.4	437.8	434.9	432.2	429.4	426.7	423.8	424.3
130°	418.4	416.1	413.7	411.3	409.0	406.4	403.8	401.3	398.9	396.3	397.0
132.5°	393.8	392.2	390.7	388.9	387.3	385.3	383.7	381.6	380.0	378.1	378.7
135°	377.1	375.5	374.2	372.6	371.1	369.3	367.7	365.9	364.2	362.4	363.3
137.5°	362.7	361.6	360.2	358.8	357.3	355.7	354.2	352.6	351.0	349.4	350.1
140°	349.7	348.6	347.4	346.1	344.8	343.4	342.0	340.5	339.1	337.5	338.6
142.5°	335.3	334.3	333.5	332.5	331.5	330.3	329.1	327.9	326.9	325.6	327.0
145°	325.6	324.8	324.1	323.3	322.4	321.4	320.6	319.4	318.6	317.6	319.0
147.5°	317.2	316.6	316.0	315.3	314.7	313.9	313.1	312.2	311.5	310.7	312.0
150°	309.7	309.1	308.6	308.0	307.3	306.6	305.8	305.0	304.4	303.5	304.8
152.5°	302.0	301.5	301.0	300.4	299.7	298.9	298.4	297.6	296.9	296.1	297.3
155°	297.2	296.6	296.0	295.4	294.9	294.2	293.5	292.8	292.1	291.4	292.4
157.5°	293.9	293.4	293.0	292.4	292.1	291.6	291.1	290.5	290.1	289.5	290.3
160°	292.0	291.7	291.2	290.7	290.2	289.7	289.2	288.8	288.3	287.8	288.4
162.5°	290.4	289.8	289.4	288.9	288.6	288.0	287.6	287.1	286.7	286.1	286.9
165°	289.8	289.6	289.3	289.0	288.8	288.5	288.2	287.9	287.6	287.2	287.7
167.5°	292.0	291.5	291.2	290.7	290.4	289.9	289.5	289.0	288.8	288.3	288.8
170°	292.3	292.0	291.9	291.7	291.5	291.3	291.1	290.8	290.6	290.4	290.8
172.5°	293.6	293.3	293.2	293.1	292.9	292.7	292.6	292.4	292.3	292.0	292.6
175°	293.3	293.1	293.0	292.9	292.8	292.7	292.6	292.5	292.5	292.3	292.6
177.5°	295.2	295.1	295.1	295.1	295.1	295.0	295.0	294.9	294.8	294.8	295.0
180°	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9



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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°	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5
2.5°	15388.5	15386.6	15384.1	15380.8	15378.0	15374.8	15367.1	15364.8	15367.4	15369.1	15372.7
5°	15425.0	15426.1	15426.6	15433.5	15439.6	15454.6	15572.6	15619.5	15655.8	15678.9	15713.8
7.5°	15535.3	15570.7	15605.8	15653.1	15693.7	15748.7	15955.2	16043.1	16105.6	16150.5	16205.7
10°	15722.1	15799.6	15872.1	15957.2	16030.3	16114.0	16306.3	16391.9	16445.9	16485.3	16522.0
12.5°	15910.3	16017.6	16114.7	16209.4	16288.6	16361.2	16428.8	16458.7	16461.2	16462.5	16443.0
15°	16008.3	16111.0	16196.4	16259.1	16305.6	16326.2	16209.8	16148.7	16071.6	16008.0	15903.4
17.5°	15946.5	16008.0	16045.0	16041.3	16022.1	15957.7	15628.1	15446.8	15266.8	15104.6	14891.9
20°	15671.5	15666.7	15634.6	15543.6	15433.9	15263.4	14698.2	14372.2	14056.9	13780.0	13444.2
22.5°	15159.8	15079.3	14967.1	14770.8	14552.8	14254.8	13444.9	12965.3	12526.4	12138.8	11704.5
25°	14418.5	14252.9	14045.9	13734.3	13395.5	12960.9	11962.7	11366.2	10839.2	10382.2	9881.1
27.5°	13469.8	13220.3	12916.9	12485.7	12026.7	11469.9	10363.2	9704.8	9139.3	8649.3	8115.9
30°	12346.6	12022.1	11630.4	11095.2	10541.5	9910.0	8787.6	8120.8	7548.2	7044.2	6510.4
32.5°	11077.2	10697.2	10238.2	9637.5	9038.7	8389.4	7305.5	6660.0	6113.1	5628.2	5145.1
35°	9677.3	9269.8	8784.1	8171.4	7576.2	6945.0	5950.4	5368.4	4885.3	4456.8	4066.7
37.5°	8175.5	7775.4	7313.8	6736.3	6184.4	5612.5	4754.2	4266.5	3861.2	3505.5	3204.3
40°	6614.2	6264.0	5864.7	5365.4	4894.4	4418.0	3713.5	3326.4	3006.5	2735.2	2509.6
42.5°	5071.9	4800.6	4494.3	4099.7	3739.3	3376.6	2834.4	2547.6	2310.6	2115.3	1955.7
45°	3679.9	3498.3	3292.9	3018.6	2769.2	2516.3	2130.4	1928.8	1774.5	1648.5	1542.1
47.5°	2572.4	2467.1	2460.7	2207.2	2024.4	1869.6	1621.0	1493.7	1399.2	1322.9	1255.5
50°	1806.5	1755.6	1692.3	1601.8	1517.0	1429.5	1278.1	1201.1	1145.7	1099.5	1056.9
52.5°	1350.5	1324.1	1290.4	1242.4	1196.4	1147.2	1051.4	1002.3	984.9	941.9	908.1
55°	1078.7	1063.5	1044.4	1016.2	988.1	977.0	894.9	858.4	835.4	818.5	800.2
57.5°	896.0	884.7	873.3	854.2	838.0	818.5	774.8	756.1	742.4	732.5	719.8
60°	764.3	757.6	751.2	739.9	731.2	720.6	692.9	682.4	675.2	669.2	661.2
62.5°	674.6	671.1	667.8	661.9	657.4	651.7	632.7	627.6	624.0	621.0	616.2
65°	609.8	607.3	605.5	601.6	599.3	595.9	579.6	576.2	574.0	572.9	570.1
67.5°	550.9	548.3	547.2	544.3	543.4	541.3	528.0	526.1	525.3	525.7	524.7
70°	496.0	494.9	495.4	495.0	496.3	496.6	488.6	488.5	489.4	491.0	491.2
72.5°	463.0	463.0	463.6	463.9	465.0	465.6	458.9	458.6	459.0	460.3	460.3
75°	431.6	432.1	433.8	434.4	435.7	436.0	427.2	426.1	426.2	427.4	427.0
77.5°	388.1	390.0	393.3	394.9	397.7	398.2	388.2	387.1	387.1	388.3	387.3
80°	338.9	342.5	347.6	351.2	355.4	357.1	346.8	344.4	342.2	341.8	339.8
82.5°	286.5	290.9	297.1	300.3	304.8	305.8	288.7	285.5	283.5	283.7	281.9
85°	218.7	222.0	227.7	229.5	232.2	232.0	212.4	204.1	206.3	202.8	205.6
87.5°	137.2	139.1	142.6	143.1	144.4	144.1	124.5	120.6	119.5	119.6	118.1
90°	91.7	94.7	99.4	101.1	104.7	106.1	91.7	91.5	88.7	88.1	84.7
92.5°	53.4	57.2	61.2	65.1	69.0	72.9	75.0	78.2	74.4	70.2	66.3
95°	63.8	70.2	76.6	83.1	89.5	95.9	102.3	108.7	102.7	96.8	90.8
97.5°	71.8	79.3	86.8	94.4	102.0	109.6	117.1	124.7	118.3	111.8	105.4
100°	94.4	108.6	122.7	136.7	150.9	165.0	179.1	193.2	180.8	168.4	156.0
102.5°	197.5	227.5	257.3	287.4	317.3	347.2	377.4	407.3	378.8	350.3	321.8
105°	383.5	432.1	480.6	529.1	577.6	626.3	675.0	723.5	678.1	632.6	587.0
107.5°	608.4	657.8	707.0	756.2	805.5	854.7	904.3	953.5	909.2	864.7	820.5
110°	748.0	783.9	819.9	855.9	891.9	927.8	964.2	1000.2	973.6	946.9	920.3



TEST NUMBER: P1444509  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L835-UPL24

**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	778.5	804.3	830.0	855.8	881.4	907.1	933.5	959.2	946.0	932.6	919.3
115°	735.7	753.1	770.5	787.9	805.4	822.6	840.7	858.2	853.9	849.8	845.6
117.5°	661.8	671.6	681.4	691.1	700.7	710.6	721.1	731.1	731.9	732.7	733.6
120°	582.9	587.2	591.3	595.5	599.6	603.9	608.9	613.4	617.2	620.8	624.5
122.5°	515.7	517.4	519.0	520.8	522.3	524.0	526.8	528.7	531.4	534.0	536.7
125°	461.3	462.3	463.2	464.2	464.8	465.8	468.0	469.1	469.5	469.8	470.1
127.5°	424.5	424.9	425.1	425.5	425.6	426.0	427.6	428.2	426.8	425.5	424.1
130°	397.4	398.0	398.5	399.1	399.6	400.3	402.2	403.2	400.6	398.0	395.5
132.5°	379.4	380.1	380.7	381.4	382.1	382.8	385.0	386.1	383.2	380.2	377.3
135°	364.0	365.0	365.6	366.5	367.3	368.3	370.7	371.9	369.2	366.3	363.5
137.5°	350.9	351.8	352.6	353.4	354.3	355.1	357.9	359.1	356.9	354.6	352.5
140°	339.5	340.4	341.5	342.5	343.4	344.6	347.5	349.0	347.3	345.6	343.8
142.5°	328.1	329.5	330.7	332.2	333.5	334.9	338.4	340.1	339.0	337.6	336.5
145°	320.3	321.9	323.3	324.9	326.4	328.0	331.8	333.8	333.2	332.3	331.6
147.5°	313.2	314.6	316.0	317.4	318.8	320.4	324.2	326.3	325.8	325.4	324.9
150°	306.2	307.6	308.9	310.4	311.9	313.4	317.7	319.9	319.6	319.1	318.7
152.5°	298.5	299.7	301.1	302.3	303.7	305.0	310.0	312.1	311.8	311.3	311.2
155°	293.3	294.4	295.2	296.4	297.4	298.6	303.7	305.7	305.5	305.3	305.1
157.5°	290.9	291.7	292.2	293.1	293.8	294.7	299.7	301.7	301.5	301.3	301.2
160°	288.9	289.5	290.0	290.7	291.3	292.0	297.1	298.8	298.7	298.5	298.4
162.5°	287.5	288.5	289.0	289.8	290.5	291.4	296.6	298.6	298.3	298.0	297.7
165°	288.2	288.6	289.0	289.6	290.1	290.6	295.4	297.0	296.9	296.6	296.5
167.5°	289.2	289.8	290.2	290.8	291.3	292.0	296.4	298.0	297.9	297.7	297.6
170°	291.2	291.6	292.0	292.4	292.9	293.4	297.2	298.4	298.3	297.9	297.7
172.5°	293.0	293.5	294.0	294.5	295.0	295.4	298.7	299.9	299.8	299.5	299.2
175°	293.0	293.3	293.8	294.2	294.6	294.9	297.5	298.4	298.3	298.2	298.1
177.5°	295.2	295.5	295.8	296.1	296.4	296.7	298.3	298.8	298.7	298.7	298.6
180°	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9



TEST NUMBER: P1444509  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L835-UPL24

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5
2.5°	15373.4	15378.9	15379.6	15385.9	15385.4	15392.9	15391.8	15397.9	15394.3	15399.3	15395.0
5°	15734.5	15767.3	15784.4	15816.3	15826.4	15855.0	15863.1	15889.2	15890.2	15911.0	15906.2
7.5°	16245.0	16293.2	16321.9	16361.4	16381.4	16414.3	16428.9	16453.2	16461.0	16480.3	16481.8
10°	16549.9	16573.2	16589.6	16600.7	16610.8	16615.4	16620.9	16619.5	16620.9	16618.8	16623.6
12.5°	16429.9	16395.7	16373.1	16330.2	16305.3	16258.0	16234.7	16189.2	16172.7	16133.5	16127.9
15°	15822.7	15703.4	15619.1	15496.6	15419.5	15299.0	15228.4	15119.6	15069.9	14983.4	14960.8
17.5°	14715.8	14494.5	14323.1	14103.3	13950.8	13745.3	13616.2	13446.1	13353.0	13215.8	13168.4
20°	13164.1	12836.5	12579.5	12273.4	12054.2	11781.3	11606.5	11386.1	11258.1	11089.6	11021.4
22.5°	11342.3	10934.5	10613.5	10251.8	9987.5	9683.2	9473.8	9235.3	9096.1	8913.1	8832.1
25°	9464.7	9014.9	8658.0	8277.0	7997.6	7692.7	7483.2	7248.9	7104.8	6931.1	6850.7
27.5°	7668.8	7213.6	6868.7	6514.4	6258.1	5982.9	5794.0	5589.4	5461.6	5313.2	5237.5
30°	6084.1	5682.5	5389.0	5095.0	4881.8	4658.3	4501.3	4331.8	4219.6	4092.6	4020.4
32.5°	4792.9	4482.8	4253.0	4019.8	3845.3	3658.6	3522.8	3373.2	3272.0	3158.6	3093.3
35°	3795.9	3555.0	3371.8	3179.7	3029.8	2870.8	2751.1	2622.0	2531.2	2433.6	2377.1
37.5°	2999.1	2807.6	2656.8	2497.3	2374.1	2242.3	2197.9	2049.8	1955.6	1877.8	1823.9
40°	2353.8	2201.4	2076.6	1954.7	1854.2	1754.2	1674.0	1594.9	1534.1	1478.4	1439.9
42.5°	1838.1	1727.8	1636.6	1547.2	1474.0	1401.2	1343.0	1288.5	1247.6	1211.2	1186.3
45°	1461.2	1385.3	1322.0	1259.1	1207.4	1158.7	1119.6	1084.8	1058.3	1036.5	1021.0
47.5°	1200.4	1148.4	1103.7	1061.2	1026.2	994.3	968.2	959.6	931.2	912.0	904.8
50°	1020.1	988.8	954.9	923.6	900.1	876.8	859.8	843.2	832.5	823.7	821.0
52.5°	885.7	861.7	842.8	822.9	807.5	790.9	779.2	768.1	762.2	757.7	757.1
55°	785.7	768.9	756.4	743.1	733.8	724.1	718.0	712.2	709.6	707.2	707.4
57.5°	710.0	698.8	690.7	682.0	677.0	672.3	670.8	669.3	670.1	670.5	671.8
60°	654.9	647.6	642.5	637.5	635.4	633.9	635.1	636.4	639.1	641.2	643.1
62.5°	612.6	608.4	605.9	603.3	603.0	603.2	605.4	607.7	611.1	613.5	615.4
65°	569.1	566.7	566.0	564.2	565.1	565.6	568.3	570.0	573.3	575.4	577.7
67.5°	525.1	524.6	525.1	525.1	526.6	528.0	530.6	532.5	535.3	537.2	539.1
70°	492.7	493.0	494.1	494.3	496.0	496.9	499.2	500.4	502.9	504.5	506.8
72.5°	461.2	460.7	461.0	460.2	460.8	460.5	461.7	462.4	464.5	465.7	468.6
75°	427.5	426.1	425.8	424.2	424.3	423.2	423.7	423.6	425.1	425.7	427.7
77.5°	387.0	384.6	383.4	380.9	380.8	379.8	380.9	381.4	384.0	385.2	387.6
80°	338.4	334.6	333.0	330.0	330.4	330.3	332.8	334.7	337.8	338.3	341.3
82.5°	281.3	277.4	275.7	272.8	273.4	273.4	275.8	276.1	278.8	279.9	283.3
85°	201.4	202.8	198.8	199.1	198.3	199.8	201.4	203.3	205.6	209.2	212.1
87.5°	118.6	118.1	119.6	119.7	121.7	122.9	126.1	128.0	131.7	134.6	139.8
90°	83.4	80.1	79.8	77.7	78.3	76.3	77.0	75.0	76.0	75.1	76.9
92.5°	62.1	58.1	53.8	49.8	45.7	41.8	39.8	38.0	36.0	34.2	32.2
95°	84.8	78.8	72.9	66.9	61.0	55.0	52.7	50.6	48.4	46.3	44.0
97.5°	99.0	92.5	86.1	79.7	73.3	66.9	65.4	64.0	62.5	61.1	59.6
100°	143.5	131.2	118.8	106.3	94.0	81.5	80.4	79.2	78.1	76.9	75.7
102.5°	293.4	265.1	236.7	208.2	179.8	151.3	146.3	141.4	136.4	131.5	126.5
105°	541.5	496.1	450.6	405.1	359.7	314.2	300.6	287.0	273.4	259.9	246.4
107.5°	776.1	731.7	687.4	643.1	598.7	554.4	532.9	511.5	490.0	468.6	447.2
110°	893.5	866.9	840.5	813.7	787.1	760.7	740.2	719.7	699.2	678.8	658.4



TEST NUMBER: P1444509  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L835-UPL24

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	906.0	892.7	879.4	866.1	852.9	839.6	829.7	819.7	809.8	799.8	789.8
115°	841.4	837.3	833.1	829.0	825.0	820.7	820.0	819.4	818.7	818.0	817.4
117.5°	734.5	735.4	736.1	737.1	738.1	738.9	744.3	749.6	755.0	760.5	766.1
120°	628.2	632.0	635.7	639.5	643.2	647.0	654.2	661.4	668.7	675.9	683.3
122.5°	539.2	541.9	544.4	547.3	549.9	552.6	559.8	566.8	574.1	581.3	588.7
125°	470.3	470.6	470.8	471.0	471.2	471.7	477.6	483.5	489.5	495.5	501.5
127.5°	422.8	421.3	419.9	418.6	417.1	415.9	419.4	422.9	426.5	430.1	433.8
130°	392.9	390.4	387.8	385.2	382.6	380.1	381.5	383.0	384.6	386.1	387.7
132.5°	374.2	371.3	368.2	365.2	362.1	359.1	359.2	359.3	359.4	359.6	359.9
135°	360.6	357.8	354.8	352.0	349.0	346.3	345.7	344.9	344.4	343.7	343.2
137.5°	350.2	348.0	345.7	343.5	341.1	339.0	337.9	337.0	336.1	335.3	334.5
140°	342.0	340.3	338.4	336.7	334.8	333.2	332.3	331.6	330.7	330.2	329.5
142.5°	335.0	333.7	332.5	331.1	329.9	328.6	327.7	327.1	326.4	325.7	325.0
145°	330.7	330.0	329.1	328.3	327.4	326.7	326.0	325.5	324.9	324.5	324.0
147.5°	324.4	324.0	323.5	323.0	322.5	321.9	321.5	321.3	320.8	320.7	320.3
150°	318.2	317.8	317.3	317.0	316.4	316.0	315.7	315.6	315.4	315.4	315.2
152.5°	310.6	310.3	309.8	309.4	308.9	308.5	308.3	308.3	308.1	308.0	307.9
155°	304.8	304.6	304.4	304.1	303.8	303.6	303.3	303.0	302.8	302.5	302.2
157.5°	300.9	300.7	300.4	300.2	299.9	299.6	299.4	299.2	298.9	298.7	298.4
160°	298.2	298.0	297.7	297.5	297.2	297.0	296.5	296.2	295.7	295.4	295.1
162.5°	297.3	296.9	296.6	296.2	295.8	295.4	295.2	295.0	294.7	294.5	294.2
165°	296.2	296.0	295.8	295.5	295.3	295.2	294.8	294.4	294.0	293.7	293.3
167.5°	297.3	297.2	296.9	296.7	296.4	296.2	295.8	295.5	295.2	294.8	294.3
170°	297.4	297.0	296.7	296.4	296.0	295.7	295.3	295.1	294.6	294.4	293.9
172.5°	298.9	298.7	298.4	298.2	297.8	297.6	297.2	297.0	296.6	296.3	296.0
175°	298.0	298.0	297.9	297.7	297.7	297.6	297.5	297.4	297.3	297.2	297.0
177.5°	298.6	298.6	298.6	298.5	298.4	298.4	298.3	298.1	298.0	297.7	297.6
180°	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9



TEST NUMBER: P1444509  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L835-UPL24

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5
2.5°	15399.5	15395.6	15397.5	15390.2	15391.9	15383.2	15382.4	15372.7	15371.7	15362.4	15358.9
5°	15920.9	15912.3	15922.0	15906.9	15909.9	15890.2	15888.6	15863.3	15854.6	15822.7	15809.1
7.5°	16493.9	16490.7	16496.6	16484.0	16483.6	16466.1	16458.8	16436.1	16422.1	16388.7	16367.5
10°	16619.5	16622.4	16617.6	16618.8	16612.0	16610.1	16603.1	16598.6	16587.2	16578.6	16565.9
12.5°	16098.2	16101.3	16081.4	16094.0	16084.1	16107.3	16105.5	16132.8	16137.1	16171.7	16184.9
15°	14893.4	14889.7	14851.5	14875.5	14862.6	14913.7	14925.2	14993.8	15030.6	15118.7	15172.9
17.5°	13073.4	13063.6	13009.9	13039.2	13024.2	13099.5	13124.8	13234.5	13303.1	13445.1	13546.5
20°	10903.9	10885.1	10822.1	10856.5	10841.1	10926.6	10962.6	11095.4	11183.8	11371.9	11505.8
22.5°	8707.4	8677.6	8616.0	8648.0	8633.6	8722.1	8769.1	8902.3	9003.5	9196.7	9353.0
25°	6735.0	6708.4	6648.9	6671.4	6665.9	6740.9	6782.6	6908.5	7008.0	7192.1	7341.2
27.5°	5137.0	5109.3	5055.5	5071.4	5066.0	5129.8	5169.1	5274.3	5360.0	5514.9	5645.9
30°	3931.5	3898.3	3852.7	3861.4	3857.7	3909.4	3946.2	4034.8	4108.2	4239.1	4351.9
32.5°	3013.5	2980.1	2938.2	2942.3	2936.8	2977.4	3007.7	3084.7	3148.6	3260.0	3358.2
35°	2305.8	2344.8	2255.3	2312.1	2253.0	2339.6	2308.5	2356.7	2411.6	2505.4	2587.3
37.5°	1772.6	1745.3	1722.3	1719.9	1719.8	1739.8	1763.5	1809.9	1858.4	1928.3	2000.4
40°	1404.7	1385.6	1370.7	1369.6	1370.7	1384.9	1402.5	1434.6	1470.0	1520.2	1573.2
42.5°	1165.0	1152.4	1143.4	1142.8	1145.6	1155.7	1167.9	1186.9	1210.0	1242.6	1278.9
45°	1008.4	1001.3	996.3	996.0	997.4	1002.6	1009.6	1021.5	1036.1	1056.4	1079.4
47.5°	898.5	896.7	893.6	893.7	892.2	894.4	895.3	901.8	909.7	924.9	955.1
50°	818.4	818.4	816.2	816.0	814.0	813.9	812.3	814.9	818.5	828.0	837.6
52.5°	755.0	754.8	752.5	752.0	749.9	749.8	748.4	749.3	749.8	754.7	760.4
55°	705.6	704.1	701.0	700.1	699.3	700.5	700.0	700.0	699.4	701.3	703.1
57.5°	670.1	668.2	665.3	664.5	664.2	665.7	665.7	665.3	662.5	660.8	658.2
60°	642.1	640.1	636.9	636.2	636.7	638.7	638.6	636.8	632.9	629.4	625.4
62.5°	614.4	613.7	612.1	611.8	611.4	611.8	610.4	608.5	604.7	601.0	596.6
65°	577.5	577.9	576.6	576.8	575.4	575.2	573.0	571.3	567.3	563.9	559.5
67.5°	539.0	539.3	538.3	538.3	537.7	537.8	536.4	534.7	531.4	528.6	525.2
70°	507.4	508.2	507.6	507.8	506.8	506.5	504.5	502.8	499.5	497.1	494.0
72.5°	469.4	471.1	471.0	471.5	470.2	469.4	467.0	465.0	461.9	460.1	457.6
75°	428.5	430.7	431.4	432.4	430.4	429.3	426.7	425.1	422.6	421.5	419.8
77.5°	388.5	391.0	393.3	395.5	392.3	389.6	386.2	383.7	380.0	378.6	376.0
80°	343.6	348.0	353.1	357.5	351.9	346.2	340.6	336.6	331.7	329.8	326.6
82.5°	285.2	289.5	292.5	295.3	291.4	287.2	281.9	278.3	273.0	271.1	267.4
85°	216.6	222.1	223.9	225.3	222.8	220.7	215.6	208.9	205.6	200.4	197.7
87.5°	142.4	145.7	146.4	146.9	145.3	144.3	141.1	137.9	132.3	128.2	123.1
90°	75.4	76.3	73.7	73.2	72.4	73.9	71.8	72.0	68.6	68.2	65.2
92.5°	30.3	28.3	26.5	24.5	26.7	28.4	30.4	32.2	34.2	36.0	38.0
95°	41.9	39.7	37.5	35.3	37.0	38.8	40.5	42.3	44.0	45.8	47.5
97.5°	58.2	56.7	55.3	53.8	54.9	55.9	56.9	57.9	59.0	59.9	61.0
100°	74.6	73.4	72.2	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
102.5°	121.6	116.6	111.7	106.8	110.1	113.4	116.8	120.1	123.5	126.8	130.3
105°	232.8	219.2	205.8	192.2	205.3	218.4	231.5	244.6	257.7	270.9	284.1
107.5°	425.8	404.4	383.0	361.6	385.4	409.3	433.2	457.1	480.9	504.8	528.8
110°	638.0	617.6	597.2	576.8	602.1	627.5	652.8	678.2	703.6	728.9	754.4



TEST NUMBER: P1444509  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L835-UPL24

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	779.9	770.0	760.1	750.2	766.5	782.8	799.2	815.5	831.8	848.2	864.6
115°	816.7	816.1	815.5	815.0	822.7	830.4	838.1	845.9	853.7	861.3	869.3
117.5°	771.5	777.0	782.5	788.0	790.5	793.0	795.6	798.0	800.6	803.0	805.8
120°	690.6	697.9	705.3	712.8	711.7	710.7	709.7	708.7	707.8	707.0	706.1
122.5°	595.8	603.2	610.6	618.0	615.9	613.7	611.5	609.4	607.5	605.3	603.4
125°	507.7	513.8	520.0	526.2	524.0	521.8	519.7	517.7	515.5	513.6	511.7
127.5°	437.6	441.5	445.2	449.0	448.0	447.0	446.1	445.2	444.3	443.6	442.8
130°	389.3	391.0	392.8	394.6	394.9	395.2	395.6	396.0	396.6	397.1	397.6
132.5°	360.3	360.6	361.1	361.5	362.6	363.8	365.2	366.4	367.9	369.2	370.8
135°	342.9	342.6	342.2	342.0	343.7	345.4	347.2	349.1	351.1	353.1	355.3
137.5°	333.7	333.1	332.5	331.9	333.6	335.4	337.2	339.1	341.0	343.1	345.3
140°	328.9	328.3	327.9	327.3	329.1	330.8	332.7	334.5	336.6	338.5	340.6
142.5°	324.5	323.9	323.5	323.1	324.5	326.2	327.8	329.6	331.3	333.2	335.1
145°	323.7	323.2	323.0	322.6	323.8	324.9	326.1	327.3	328.7	330.0	331.5
147.5°	320.1	319.8	319.7	319.5	320.4	321.2	322.1	323.0	324.1	325.1	326.3
150°	315.3	315.1	315.1	315.1	315.6	316.1	316.8	317.3	318.0	318.6	319.5
152.5°	308.0	307.8	307.9	307.8	308.2	308.8	309.4	309.9	310.6	311.2	311.8
155°	302.1	301.9	301.8	301.6	301.8	302.0	302.3	302.4	302.8	303.0	303.4
157.5°	298.4	298.2	298.0	297.8	297.9	297.8	298.0	297.9	298.1	298.1	298.3
160°	294.8	294.3	294.1	293.7	293.9	293.9	294.2	294.2	294.5	294.7	294.9
162.5°	294.0	293.8	293.6	293.4	293.3	293.0	292.9	292.7	292.6	292.5	292.4
165°	292.8	292.5	292.1	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8
167.5°	294.1	293.6	293.4	292.9	292.7	292.3	292.1	291.8	291.6	291.3	291.2
170°	293.7	293.3	293.1	292.7	292.6	292.4	292.3	292.2	292.1	292.0	292.0
172.5°	295.8	295.4	295.2	295.0	294.9	294.7	294.7	294.6	294.5	294.5	294.4
175°	297.0	296.9	296.8	296.7	296.5	296.3	296.2	296.0	295.9	295.6	295.5
177.5°	297.3	297.2	297.0	296.9	296.8	296.8	296.8	296.8	296.8	296.7	296.7
180°	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9



TEST NUMBER: P1444509  
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**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5
2.5°	15349.0	15344.9	15334.3	15329.1	15319.2	15314.3	15306.6	15301.7	15295.5	15290.9	15288.5
5°	15774.3	15754.6	15715.3	15691.1	15648.6	15620.6	15578.4	15547.5	15503.9	15471.8	15430.6
7.5°	16327.5	16297.4	16247.1	16208.9	16149.4	16103.9	16037.3	15984.0	15910.3	15849.1	15773.9
10°	16552.8	16535.2	16512.6	16488.0	16455.1	16422.8	16377.3	16330.9	16269.1	16207.5	16127.1
12.5°	16219.8	16236.4	16269.1	16284.3	16309.2	16317.7	16329.1	16323.8	16313.7	16288.6	16252.1
15°	15276.9	15346.0	15455.2	15530.7	15636.5	15710.8	15809.1	15872.4	15945.2	15988.8	16030.1
17.5°	13725.8	13859.5	14052.1	14205.7	14412.0	14579.8	14785.4	14946.8	15133.3	15276.3	15428.5
20°	11739.2	11926.2	12192.2	12418.0	12717.0	12970.4	13295.1	13567.2	13884.6	14149.1	14434.6
22.5°	9601.0	9821.0	10125.7	10398.1	10755.0	11073.9	11480.8	11840.5	12269.6	12653.8	13079.0
25°	7583.8	7799.4	8109.8	8391.9	8777.3	9128.5	9573.1	9985.6	10483.5	10947.8	11480.8
27.5°	5854.0	6045.6	6318.3	6572.3	6925.2	7270.0	7721.1	8161.2	8692.5	9191.3	9765.7
30°	4520.9	4676.3	4894.9	5099.1	5382.6	5664.5	6066.3	6473.3	7001.9	7518.9	8107.9
32.5°	3503.5	3636.1	3818.6	3984.4	4202.7	4415.4	4711.3	5036.4	5500.2	5995.4	6564.8
35°	2712.1	2825.5	2980.8	3123.6	3303.2	3472.0	3692.8	3924.9	4278.8	4695.4	5204.9
37.5°	2162.3	2208.5	2319.3	2436.4	2585.5	2724.2	2896.9	3068.6	3321.7	3650.4	4066.7
40°	1644.4	1717.8	1808.1	1900.2	2013.0	2124.3	2313.8	2405.0	2571.8	2807.7	3130.8
42.5°	1326.8	1378.4	1441.9	1506.0	1584.7	1662.2	1758.0	1855.7	1980.3	2140.0	2369.8
45°	1110.3	1144.0	1184.9	1227.5	1279.2	1332.2	1396.4	1463.4	1547.8	1646.0	1785.7
47.5°	965.6	984.3	1010.9	1040.1	1075.6	1112.2	1153.9	1196.6	1249.1	1307.3	1386.8
50°	852.8	868.3	889.0	908.5	933.0	970.5	987.1	1010.6	1042.1	1076.5	1120.9
52.5°	771.0	781.4	794.4	805.7	821.1	835.1	853.6	869.8	891.7	912.2	940.9
55°	707.4	711.2	718.6	725.8	736.5	746.1	758.7	769.3	783.3	795.6	813.7
57.5°	658.3	658.7	662.1	665.8	672.7	678.7	687.5	694.4	704.0	711.9	722.8
60°	623.0	621.1	621.8	623.1	627.0	630.9	636.5	641.0	647.1	651.6	657.6
62.5°	593.6	590.7	590.0	589.6	591.6	593.0	596.0	598.3	601.6	603.6	606.9
65°	556.5	553.0	551.6	550.1	550.6	550.2	551.3	551.3	553.2	553.6	555.4
67.5°	522.8	519.9	518.2	516.0	515.1	513.5	512.8	511.4	511.1	509.8	509.5
70°	492.1	489.3	487.8	485.8	484.8	482.8	481.5	479.0	477.5	475.2	473.9
72.5°	456.6	455.0	454.6	453.2	452.8	451.7	451.2	449.4	448.4	446.4	445.2
75°	419.5	418.2	418.0	416.6	416.5	415.2	414.9	413.0	412.0	410.1	409.2
77.5°	375.2	373.3	372.7	371.2	371.6	370.9	371.5	370.0	369.4	367.4	366.8
80°	325.4	322.9	321.9	319.8	320.4	319.4	320.4	320.3	321.0	319.4	319.1
82.5°	266.5	263.6	263.2	261.7	262.7	262.8	264.9	263.7	264.2	262.8	263.3
85°	193.8	191.8	189.0	188.6	186.7	188.7	186.2	187.8	185.2	187.0	184.5
87.5°	120.2	116.0	113.7	110.7	109.6	106.8	105.5	103.5	104.0	103.1	103.7
90°	65.5	63.0	64.2	63.2	65.0	64.4	66.7	66.9	69.4	69.6	72.3
92.5°	39.8	41.6	45.0	48.7	52.1	55.6	59.0	62.7	66.1	69.7	73.1
95°	49.3	51.0	55.7	60.3	65.0	69.6	74.4	79.0	83.7	88.3	93.0
97.5°	62.0	63.0	67.7	72.3	77.0	81.6	86.3	91.0	95.7	100.4	105.0
100°	71.1	71.2	84.5	97.6	110.9	124.3	137.5	150.8	164.2	177.3	190.6
102.5°	133.6	137.0	170.5	204.1	237.6	271.0	304.6	338.1	371.6	405.2	438.8
105°	297.2	310.4	361.5	412.6	463.7	514.9	566.1	617.3	668.5	719.7	770.8
107.5°	552.7	576.6	622.9	669.0	715.2	761.4	807.9	854.0	900.3	946.5	992.9
110°	779.8	805.1	836.0	867.0	898.0	928.9	959.9	990.9	1021.9	1052.9	1083.9



TEST NUMBER: P1444509  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L835-UPL24

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	880.9	897.3	915.3	933.5	951.4	969.5	987.6	1005.7	1023.7	1041.9	1060.0
115°	877.0	884.9	891.8	898.8	905.8	912.8	919.9	927.0	934.1	941.1	948.3
117.5°	808.2	810.9	812.0	813.0	814.1	815.3	816.4	817.6	818.8	820.0	821.2
120°	705.2	704.3	703.1	701.9	700.7	699.6	698.5	697.4	696.3	695.2	694.2
122.5°	601.3	599.4	598.3	597.1	596.0	595.0	593.8	592.8	591.8	590.8	589.7
125°	509.7	507.8	508.8	509.7	510.7	511.8	512.7	513.9	515.0	516.0	517.1
127.5°	442.0	441.4	444.0	446.6	449.3	451.9	454.7	457.4	460.1	462.8	465.5
130°	398.3	399.0	402.3	405.8	409.1	412.6	416.1	419.7	422.9	426.4	429.8
132.5°	372.2	374.0	377.2	380.4	383.8	387.1	390.4	393.7	397.1	400.5	403.7
135°	357.4	359.6	362.5	365.5	368.6	371.7	374.7	377.8	380.7	383.8	386.8
137.5°	347.3	349.5	352.0	354.3	356.7	359.1	361.7	364.1	366.4	368.8	371.3
140°	342.7	344.9	346.2	347.6	349.0	350.3	351.6	353.0	354.3	355.8	357.0
142.5°	336.9	339.0	339.8	340.6	341.5	342.5	343.3	344.2	345.0	345.8	346.6
145°	332.9	334.4	334.4	334.5	334.6	334.7	334.7	334.8	334.7	334.8	334.8
147.5°	327.3	328.5	328.2	328.1	327.9	327.8	327.6	327.4	327.1	327.1	326.8
150°	320.2	320.9	320.5	320.2	319.7	319.4	318.9	318.5	318.0	317.7	317.3
152.5°	312.5	313.2	312.6	312.3	311.7	311.2	310.8	310.4	309.8	309.3	308.9
155°	303.6	304.0	303.7	303.5	303.2	302.9	302.6	302.5	302.3	302.0	301.8
157.5°	298.3	298.4	298.2	298.1	297.9	297.8	297.6	297.6	297.5	297.5	297.5
160°	295.0	295.2	295.1	294.9	294.8	294.6	294.5	294.4	294.4	294.4	294.4
162.5°	292.2	292.2	292.0	291.9	291.8	291.7	291.6	291.6	291.6	291.5	291.6
165°	292.0	292.0	291.7	291.5	291.2	290.9	290.7	290.5	290.4	290.3	290.1
167.5°	290.9	290.8	290.8	290.9	290.9	291.0	291.0	291.3	291.3	291.5	291.6
170°	292.0	292.0	292.0	291.8	291.7	291.6	291.6	291.4	291.4	291.3	291.3
172.5°	294.4	294.4	294.1	293.8	293.5	293.3	293.0	292.8	292.5	292.3	292.0
175°	295.3	295.2	295.1	295.0	294.8	294.6	294.4	294.2	294.0	293.9	293.7
177.5°	296.6	296.5	296.4	296.4	296.4	296.3	296.3	296.3	296.3	296.3	296.2
180°	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9



TEST NUMBER: P1444509  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L835-UPL24

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5
2.5°	15285.4	15285.2	15283.7	15284.4	15284.7	15285.8	15287.1	15288.5	15288.8	15289.8	15290.0
5°	15399.8	15362.0	15334.1	15303.2	15280.1	15259.3	15245.4	15234.4	15230.1	15231.2	15233.8
7.5°	15710.0	15631.9	15567.5	15494.2	15433.3	15368.6	15315.0	15264.1	15226.9	15199.2	15183.8
10°	16050.4	15955.3	15864.3	15758.4	15657.8	15550.6	15453.4	15355.6	15273.9	15203.2	15151.1
12.5°	16201.4	16134.2	16055.7	15955.6	15848.1	15724.2	15599.3	15465.2	15340.7	15224.9	15131.6
15°	16041.5	16041.6	16013.0	15965.0	15890.2	15791.3	15672.3	15532.5	15385.5	15235.4	15098.4
17.5°	15533.8	15629.6	15682.8	15716.6	15706.2	15669.8	15594.0	15486.7	15349.7	15189.9	15022.6
20°	14661.9	14887.8	15049.0	15193.9	15275.0	15328.9	15323.6	15279.9	15182.3	15046.4	14872.2
22.5°	13440.6	13819.8	14119.0	14398.1	14593.8	14753.0	14828.6	14860.8	14816.6	14721.8	14558.3
25°	11957.2	12472.8	12912.8	13339.8	13660.1	13935.4	14100.9	14217.4	14226.7	14177.2	14031.3
27.5°	10308.8	10917.4	11474.3	12041.8	12492.3	12888.1	13147.7	13337.8	13398.1	13390.2	13257.6
30°	8662.6	9301.5	9915.3	10577.1	11134.5	11640.1	11983.1	12240.2	12339.2	12358.2	12230.7
32.5°	7107.9	7737.9	8350.1	9041.9	9655.3	10234.7	10640.0	10945.3	11060.5	11087.6	10947.8
35°	5696.8	6278.1	6859.9	7530.4	8140.3	8740.3	9167.3	9487.0	9594.5	9612.6	9450.8
37.5°	4473.2	4968.5	5475.4	6077.0	6637.1	7200.6	7606.4	7906.8	7985.1	7980.3	7797.1
40°	3443.0	3828.1	4235.3	4730.6	5196.3	5672.7	6015.2	6263.6	6304.8	6274.2	6081.8
42.5°	2589.0	2867.0	3162.3	3532.0	3877.5	4234.0	4483.3	4667.7	4673.6	4625.4	4452.6
45°	1928.8	2200.1	2323.9	2547.5	2770.0	3007.1	3159.2	3273.1	3255.5	3213.1	3081.8
47.5°	1470.3	1574.7	1685.2	1823.9	1953.4	2222.5	2202.5	2385.5	2253.7	2343.5	2145.8
50°	1167.6	1225.9	1285.4	1359.0	1426.7	1497.1	1541.0	1573.8	1569.5	1555.5	1517.6
52.5°	993.4	1011.4	1040.7	1082.6	1120.4	1158.4	1183.4	1203.8	1204.2	1198.5	1179.3
55°	830.2	853.1	874.2	901.6	948.1	955.3	991.1	983.9	986.7	976.7	986.9
57.5°	732.0	745.3	757.2	773.5	786.9	802.7	811.9	820.8	819.9	818.0	808.3
60°	662.4	669.7	676.3	685.8	693.2	702.1	706.4	710.9	709.4	706.1	697.4
62.5°	608.7	613.4	617.1	623.3	627.7	633.3	635.5	637.4	635.5	632.3	624.6
65°	555.8	558.8	561.1	565.8	569.0	573.6	575.6	577.3	575.6	573.1	567.3
67.5°	508.1	508.4	508.1	510.0	511.0	513.8	514.7	515.9	513.9	511.8	506.8
70°	471.8	471.0	470.2	470.9	471.0	472.5	472.7	472.5	470.0	466.4	461.0
72.5°	443.5	443.1	442.4	443.0	443.0	444.3	443.9	443.3	440.3	436.7	431.4
75°	407.1	406.9	405.5	405.5	404.4	404.8	403.4	402.5	399.1	396.2	391.3
77.5°	364.6	363.9	361.9	361.1	359.0	358.1	355.3	353.9	350.5	348.1	344.0
80°	317.0	316.3	313.7	312.3	308.9	306.7	302.6	300.3	296.4	294.1	290.1
82.5°	262.0	262.3	259.8	258.0	253.1	249.4	243.9	241.0	236.6	234.4	230.3
85°	186.4	183.6	185.1	185.0	181.9	178.7	174.2	171.1	167.5	165.3	162.4
87.5°	102.2	102.9	102.1	101.5	99.3	97.6	94.2	92.4	89.7	88.4	86.2
90°	67.5	65.3	60.6	58.4	53.7	50.6	45.6	42.9	38.1	36.9	34.1
92.5°	69.1	65.3	61.4	57.4	53.5	49.6	45.7	41.8	37.8	36.4	35.2
95°	87.3	81.7	76.0	70.3	64.7	59.0	53.3	47.7	42.0	40.8	39.7
97.5°	98.4	91.7	85.0	78.3	71.7	65.0	58.4	51.7	45.0	44.2	43.5
100°	175.2	159.9	144.4	129.0	113.6	98.2	82.7	67.3	52.0	51.1	50.2
102.5°	401.3	363.9	326.6	289.1	251.9	214.5	177.1	139.7	102.4	97.0	91.6
105°	714.2	657.6	601.1	544.5	487.9	431.4	374.8	318.1	261.6	243.4	225.2
107.5°	939.7	886.4	833.3	780.1	726.9	673.8	620.5	567.3	514.0	482.1	450.1
110°	1041.7	999.5	957.3	915.0	872.9	830.6	788.3	746.0	703.8	676.2	648.7



TEST NUMBER: P1444509  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L835-UPL24

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	1029.1	998.0	967.2	936.1	905.2	874.1	843.2	812.1	781.1	764.4	747.6
115°	929.7	911.1	892.2	873.6	854.9	836.2	817.5	798.7	780.0	771.1	762.2
117.5°	811.7	802.1	792.5	782.9	773.2	763.5	753.9	744.3	734.6	731.4	728.3
120°	691.2	688.3	685.2	682.2	679.2	676.2	673.1	670.1	666.9	667.2	667.5
122.5°	590.8	591.8	592.7	593.6	594.7	595.5	596.6	597.4	598.4	600.6	602.8
125°	519.8	522.3	525.0	527.6	530.2	532.7	535.4	537.8	540.5	542.6	545.0
127.5°	468.6	471.4	474.4	477.2	480.3	483.1	486.1	488.9	491.8	493.7	496.0
130°	432.5	434.9	437.5	439.9	442.5	445.0	447.5	450.0	452.4	454.1	455.5
132.5°	406.0	408.2	410.4	412.6	414.9	417.0	419.4	421.5	423.8	424.9	426.1
135°	388.4	390.0	391.7	393.3	395.0	396.6	398.2	399.9	401.6	402.3	403.0
137.5°	372.6	373.9	375.2	376.5	377.9	379.1	380.6	381.9	383.4	383.6	384.0
140°	358.5	359.8	361.3	362.7	364.2	365.5	367.2	368.6	370.3	370.5	370.9
142.5°	347.7	348.8	349.8	350.9	352.1	353.2	354.4	355.7	356.8	357.1	357.4
145°	336.2	337.4	338.9	340.1	341.5	342.9	344.4	345.9	347.4	347.5	347.7
147.5°	327.9	329.0	330.3	331.4	332.6	333.7	335.1	336.4	337.8	337.9	337.9
150°	318.6	319.8	321.0	322.2	323.7	324.9	326.4	327.8	329.4	329.7	330.1
152.5°	310.3	311.6	313.0	314.4	315.9	317.4	319.0	320.6	322.1	322.4	322.8
155°	303.3	304.6	306.0	307.5	308.9	310.4	311.9	313.4	314.9	315.4	315.8
157.5°	298.7	299.8	301.2	302.4	303.8	305.0	306.5	307.8	309.2	309.6	309.9
160°	295.5	296.6	297.8	298.8	300.0	301.2	302.4	303.6	304.8	305.1	305.4
162.5°	292.6	293.8	295.0	295.9	297.2	298.4	299.5	300.7	301.8	302.1	302.5
165°	291.0	291.8	292.6	293.4	294.3	295.1	295.9	296.7	297.7	298.1	298.4
167.5°	292.2	292.8	293.4	294.1	294.8	295.3	296.0	296.7	297.4	297.8	298.2
170°	291.9	292.4	292.9	293.6	294.2	294.8	295.3	295.9	296.6	297.0	297.3
172.5°	292.4	292.7	293.2	293.5	293.9	294.3	294.8	295.2	295.5	296.0	296.4
175°	294.0	294.1	294.4	294.5	294.7	294.9	295.2	295.3	295.6	295.9	296.3
177.5°	296.3	296.5	296.6	296.8	297.0	297.2	297.3	297.5	297.7	298.2	298.5
180°	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9



TEST NUMBER: P1444509  
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**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5
2.5°	15289.6	15289.4	15288.9	15288.2	15287.5	15287.9	15288.6	15290.3	15293.4	15297.9	15303.6
5°	15235.9	15239.0	15240.8	15241.0	15239.4	15238.5	15239.9	15244.2	15252.6	15266.8	15286.1
7.5°	15179.6	15183.5	15189.4	15193.9	15194.6	15193.6	15193.9	15200.4	15216.1	15243.7	15282.6
10°	15119.5	15108.0	15114.1	15125.1	15133.9	15135.5	15136.5	15144.3	15167.2	15209.1	15271.4
12.5°	15064.0	15027.9	15020.9	15030.9	15044.1	15048.4	15047.1	15050.5	15077.3	15132.7	15219.6
15°	14991.0	14922.9	14899.7	14902.3	14918.7	14924.6	14920.3	14913.7	14939.8	15007.4	15119.9
17.5°	14872.9	14763.1	14720.4	14718.5	14737.7	14742.9	14732.3	14711.9	14737.5	14821.9	14961.5
20°	14693.2	14531.3	14450.8	14438.0	14458.9	14452.8	14431.7	14400.8	14434.5	14537.1	14703.2
22.5°	14370.4	14165.2	14027.6	13983.3	14008.2	13991.6	13960.8	13921.3	13966.2	14082.8	14267.8
25°	13842.8	13605.6	13417.4	13311.7	13331.6	13301.7	13268.3	13220.4	13273.9	13407.7	13611.3
27.5°	13067.3	12793.4	12560.1	12385.2	12391.6	12352.5	12314.0	12251.9	12318.7	12477.1	12706.8
30°	12036.1	11719.1	11435.0	11197.4	11176.0	11138.1	11098.7	11017.3	11100.9	11290.5	11558.8
32.5°	10741.1	10389.2	10060.9	9760.4	9703.7	9666.6	9631.4	9537.9	9647.3	9868.3	10176.7
35°	9226.6	8851.8	8495.8	8152.6	8058.7	8021.7	7990.9	7901.2	8037.8	8278.3	8611.4
37.5°	7564.3	7181.3	6827.9	6476.0	6343.3	6293.1	6270.7	6212.0	6369.5	6607.4	6941.8
40°	5857.7	5501.6	5184.8	4874.0	4722.6	4645.8	4634.1	4623.4	4775.8	4982.1	5285.7
42.5°	4261.3	3974.0	3729.6	3492.1	3355.0	3250.1	3250.1	3281.9	3419.0	3573.6	3807.7
45°	2947.6	2754.9	2599.2	2440.4	2482.9	2273.8	2396.6	2333.6	2401.4	2501.0	2653.2
47.5°	2026.2	1921.0	1835.5	1746.8	1682.1	1620.4	1625.8	1665.6	1729.4	1788.6	1867.8
50°	1476.7	1423.2	1379.6	1333.5	1301.4	1274.2	1275.7	1293.0	1326.5	1357.7	1399.1
52.5°	1157.1	1127.6	1103.9	1078.4	1061.5	1048.1	1048.7	1057.2	1075.3	1093.1	1116.8
55°	953.8	950.2	919.4	896.6	887.9	878.8	880.4	883.7	896.0	906.5	922.2
57.5°	799.3	785.4	776.2	764.2	758.6	752.3	753.7	754.9	763.2	770.2	781.5
60°	690.2	680.4	673.8	665.6	662.0	658.0	658.9	659.6	664.9	669.4	677.6
62.5°	617.6	608.9	603.2	596.9	594.4	591.7	592.2	592.4	595.7	599.1	605.2
65°	562.1	555.1	550.4	544.9	542.3	539.4	539.7	539.7	542.5	544.9	549.6
67.5°	503.2	498.0	495.0	490.6	488.8	486.0	485.9	485.0	486.7	487.7	490.9
70°	456.1	450.8	446.9	442.7	440.4	437.9	438.0	438.0	440.1	442.3	446.3
72.5°	426.9	421.9	418.4	414.7	412.6	410.4	410.1	409.8	411.3	412.6	415.2
75°	388.3	384.3	382.2	378.8	377.1	374.7	374.3	373.1	373.9	374.1	376.1
77.5°	341.5	337.6	336.0	332.6	331.1	328.3	328.1	326.9	327.4	327.1	328.6
80°	288.1	284.6	283.7	280.9	280.2	277.6	277.2	275.7	276.1	275.0	275.5
82.5°	228.5	225.3	224.7	222.0	222.0	219.7	219.5	217.2	217.2	215.3	212.1
85°	161.0	158.6	157.7	155.5	154.8	153.0	152.0	149.8	149.0	147.6	147.1
87.5°	84.9	83.5	82.1	81.2	79.2	75.9	75.6	73.3	73.5	71.8	71.9
90°	33.2	30.5	29.7	27.2	26.2	24.2	23.4	23.9	24.9	25.5	26.6
92.5°	33.8	32.6	31.2	30.0	28.6	27.3	26.0	27.3	28.6	30.0	31.2
95°	38.5	37.3	36.2	35.0	33.8	32.7	31.5	32.7	33.8	35.0	36.2
97.5°	42.8	42.1	41.3	40.6	39.9	39.2	38.4	39.3	39.9	40.7	41.4
100°	49.4	48.5	47.6	46.7	45.9	45.0	44.1	45.1	46.0	46.8	47.7
102.5°	86.2	80.9	75.4	70.1	64.7	59.3	53.9	59.3	64.7	70.2	75.5
105°	207.0	188.9	170.8	152.5	134.3	116.2	97.9	116.2	134.3	152.5	170.8
107.5°	418.1	386.2	354.1	322.1	290.1	258.0	226.0	258.1	290.2	322.2	354.2
110°	621.0	593.5	565.8	538.2	510.6	482.9	455.2	483.0	510.7	538.3	566.0



TEST NUMBER: P1444509  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L835-UPL24

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	730.7	713.9	697.2	680.4	663.4	646.6	629.8	646.7	663.6	680.7	697.4
115°	753.4	744.5	735.6	726.6	717.7	708.8	699.8	709.0	718.0	727.0	736.0
117.5°	725.1	722.0	718.8	715.7	712.4	709.3	705.9	709.4	712.7	716.2	719.4
120°	667.7	668.0	668.3	668.5	668.7	668.8	668.9	669.0	669.0	669.0	668.9
122.5°	605.0	607.2	609.3	611.4	613.7	615.7	617.7	615.9	614.1	612.2	610.3
125°	547.2	549.5	551.6	553.9	556.0	558.3	560.1	558.6	556.7	554.8	552.7
127.5°	497.9	499.9	501.9	503.9	505.8	507.6	509.3	508.0	506.3	504.8	503.0
130°	457.0	458.5	459.9	461.3	462.7	464.0	465.2	464.3	463.3	462.4	461.2
132.5°	427.0	428.2	429.3	430.3	431.2	432.2	432.8	432.5	431.9	431.4	430.6
135°	403.7	404.4	404.9	405.7	406.2	406.7	406.9	407.0	406.9	406.8	406.4
137.5°	384.2	384.6	384.7	384.8	384.9	385.0	384.9	385.4	385.7	386.1	386.2
140°	371.1	371.4	371.6	371.7	371.8	371.9	371.8	372.3	372.6	372.9	373.0
142.5°	357.7	358.0	358.2	358.4	358.5	358.6	358.5	359.0	359.2	359.5	359.7
145°	347.7	347.9	347.9	348.0	347.9	347.8	347.5	348.2	348.6	349.1	349.5
147.5°	338.1	338.1	338.2	338.1	338.1	337.9	337.8	338.3	338.8	339.2	339.7
150°	330.3	330.7	330.9	331.2	331.3	331.5	331.5	331.9	332.1	332.3	332.4
152.5°	323.1	323.3	323.6	323.8	324.0	324.0	324.0	324.3	324.7	324.9	325.1
155°	316.2	316.6	316.9	317.3	317.5	317.7	317.9	318.2	318.3	318.5	318.6
157.5°	310.3	310.7	311.0	311.2	311.4	311.8	312.0	312.3	312.5	312.7	312.9
160°	305.7	306.1	306.4	306.7	307.0	307.3	307.5	307.8	308.0	308.1	308.4
162.5°	302.8	303.1	303.3	303.6	303.9	304.2	304.5	304.8	304.9	305.1	305.3
165°	298.9	299.3	299.7	300.1	300.6	301.0	301.4	301.5	301.6	301.6	301.6
167.5°	298.5	298.9	299.3	299.7	300.0	300.4	300.9	300.9	301.0	301.0	301.0
170°	297.7	298.1	298.4	298.7	299.1	299.4	299.7	299.7	299.8	299.8	299.9
172.5°	296.8	297.4	297.8	298.3	298.6	299.1	299.5	299.5	299.3	299.1	298.9
175°	296.6	297.1	297.5	297.9	298.3	298.6	299.0	298.7	298.6	298.4	298.3
177.5°	299.1	299.6	300.2	300.6	301.1	301.5	302.0	301.6	301.3	300.8	300.4
180°	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9



TEST NUMBER: P1444509  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L835-UPL24

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5
2.5°	15311.9	15319.5	15331.2	15341.8	15357.8	15370.4	15389.4	15403.8	15425.1	15439.1	15462.2
5°	15313.2	15343.2	15382.5	15421.0	15467.2	15509.2	15561.3	15605.7	15658.1	15700.9	15754.5
7.5°	15334.8	15392.6	15461.9	15531.7	15610.6	15684.4	15767.5	15842.8	15925.0	15994.8	16070.8
10°	15350.8	15439.9	15541.9	15644.6	15752.7	15853.2	15954.5	16042.2	16124.0	16191.4	16250.9
12.5°	15329.2	15452.0	15582.9	15709.3	15829.5	15933.4	16020.6	16088.0	16134.5	16166.1	16173.5
15°	15255.5	15403.3	15545.6	15671.6	15771.3	15848.2	15888.0	15906.6	15886.6	15853.4	15780.5
17.5°	15118.0	15273.8	15401.1	15500.4	15553.1	15574.0	15541.0	15483.7	15371.6	15247.1	15067.4
20°	14865.9	15011.0	15103.4	15157.6	15143.4	15091.3	14966.8	14815.4	14591.6	14353.1	14038.3
22.5°	14423.6	14550.5	14599.7	14603.7	14517.7	14387.1	14162.6	13903.0	13549.9	13182.8	12731.3
25°	13759.8	13870.9	13878.7	13835.0	13677.6	13466.0	13136.3	12769.0	12289.3	11800.1	11234.3
27.5°	12859.4	12966.0	12939.9	12858.4	12639.9	12356.8	11934.6	11460.2	10868.7	10291.0	9665.1
30°	11727.7	11841.6	11810.9	11706.4	11446.6	11111.9	10615.1	10064.0	9407.3	8790.2	8156.0
32.5°	10373.2	10517.3	10496.1	10396.9	10125.6	9767.6	9228.5	8644.0	7971.9	7363.9	6746.9
35°	8833.7	9008.7	9017.8	8952.8	8701.0	8347.1	7814.8	7249.0	6605.3	6031.6	5461.7
37.5°	7175.1	7377.9	7419.6	7402.1	7193.4	6881.0	6396.0	5888.4	5318.3	4815.4	4328.0
40°	5507.3	5712.6	5783.9	5805.0	5651.0	5409.0	5011.0	4601.3	4136.5	3729.1	3342.0
42.5°	3986.4	4168.4	4237.2	4280.6	4184.4	4023.1	3732.7	3435.2	3094.6	2800.7	2519.0
45°	2768.7	2897.4	2949.8	2993.3	2941.0	2850.0	2666.6	2480.5	2255.7	2063.6	1881.8
47.5°	1935.7	2006.7	2041.2	2062.4	2042.1	1994.7	1894.8	1787.1	1660.2	1548.0	1440.1
50°	1434.7	1472.6	1490.7	1502.9	1488.1	1461.7	1407.7	1349.0	1279.3	1215.8	1153.7
52.5°	1137.0	1158.7	1169.5	1176.1	1167.5	1151.4	1120.0	1085.2	1043.4	1004.1	983.5
55°	957.9	956.7	981.5	969.6	981.5	954.8	949.2	911.0	876.2	851.8	825.3
57.5°	789.9	801.2	805.9	811.3	807.8	802.9	789.6	775.9	757.6	742.2	726.0
60°	683.8	693.1	698.3	703.6	703.3	701.4	693.7	685.5	674.1	664.9	655.0
62.5°	610.7	618.7	623.9	628.9	629.4	628.6	622.8	617.1	609.3	603.6	596.7
65°	553.2	558.8	562.3	566.4	566.1	565.0	559.8	555.0	548.6	544.6	539.6
67.5°	493.0	497.2	499.9	503.7	504.5	504.7	501.8	499.5	496.4	495.3	493.6
70°	450.1	455.2	459.7	464.4	467.1	468.3	467.1	466.0	464.2	463.4	462.0
72.5°	417.7	422.1	425.5	429.8	432.4	434.1	433.1	432.5	430.9	430.7	429.7
75°	377.5	380.5	382.4	385.7	387.0	388.6	387.9	388.3	387.8	389.0	389.0
77.5°	329.1	331.3	332.2	334.6	334.8	336.8	337.2	339.6	341.2	344.9	346.8
80°	274.6	276.1	276.1	278.5	279.5	282.9	284.5	288.3	290.1	293.3	293.6
82.5°	213.3	211.7	213.3	212.2	215.4	219.1	219.7	222.9	223.7	225.7	224.1
85°	145.8	145.7	144.4	144.7	143.7	144.1	143.6	144.2	143.6	143.7	142.1
87.5°	69.9	70.5	68.9	69.5	68.0	68.6	67.4	68.4	66.9	67.1	64.8
90°	27.2	28.2	29.0	30.0	31.0	33.5	36.1	38.6	41.3	43.8	46.4
92.5°	32.6	33.9	35.3	36.6	37.9	41.9	45.8	49.7	53.6	57.6	61.5
95°	37.3	38.5	39.7	40.9	42.1	47.8	53.4	59.1	64.9	70.5	76.2
97.5°	42.3	43.0	43.7	44.4	45.2	51.9	58.6	65.3	71.9	78.6	85.3
100°	48.7	49.5	50.4	51.3	52.2	67.6	83.0	98.5	113.9	129.3	144.8
102.5°	81.0	86.3	91.7	97.3	102.7	140.1	177.5	215.0	252.2	289.5	327.0
105°	189.0	207.2	225.5	243.7	261.9	318.5	375.1	431.9	488.4	544.9	601.6
107.5°	386.4	418.4	450.4	482.5	514.5	567.8	621.0	674.3	727.6	780.7	834.0
110°	593.8	621.3	649.1	676.8	704.4	746.7	789.1	831.4	873.6	915.9	958.2



TEST NUMBER: P1444509  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L835-UPL24

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	714.4	731.2	748.2	764.9	781.8	812.8	844.1	875.1	906.2	937.1	968.3
115°	745.2	754.0	763.0	771.9	780.9	799.7	818.5	837.4	856.1	874.8	893.6
117.5°	722.7	726.0	729.3	732.4	735.7	745.3	755.1	764.8	774.5	784.3	794.0
120°	668.9	668.7	668.7	668.5	668.3	671.4	674.6	677.7	680.9	684.0	687.0
122.5°	608.2	606.2	604.2	602.0	600.0	599.0	598.3	597.3	596.5	595.6	594.8
125°	550.7	548.6	546.6	544.3	542.2	539.7	537.3	534.7	532.2	529.7	527.2
127.5°	501.4	499.5	497.8	495.8	493.9	491.0	488.2	485.3	482.6	479.7	476.9
130°	460.1	458.8	457.6	456.1	454.8	452.3	450.0	447.5	445.1	442.6	440.2
132.5°	429.9	429.1	428.3	427.2	426.3	424.1	422.1	419.8	417.7	415.5	413.4
135°	406.2	405.7	405.4	404.8	404.3	402.7	401.2	399.6	398.0	396.5	394.9
137.5°	386.4	386.4	386.4	386.3	386.3	384.9	383.7	382.4	381.2	379.9	378.6
140°	373.3	373.3	373.4	373.3	373.3	371.8	370.5	369.0	367.8	366.3	365.0
142.5°	359.8	359.9	360.0	359.9	359.9	358.9	357.9	356.8	355.8	354.7	353.6
145°	349.7	349.9	350.2	350.2	350.6	349.2	348.0	346.5	345.5	344.0	342.9
147.5°	339.9	340.2	340.5	340.7	341.0	339.9	338.9	337.7	336.7	335.6	334.6
150°	332.6	332.6	332.7	332.7	332.7	331.5	330.4	329.2	328.2	326.9	325.9
152.5°	325.2	325.4	325.5	325.6	325.7	324.5	323.3	322.0	320.8	319.5	318.3
155°	318.7	318.8	318.8	318.8	318.8	317.6	316.5	315.3	314.2	312.9	311.7
157.5°	313.0	313.1	313.2	313.3	313.3	312.2	311.2	310.2	309.2	308.1	307.2
160°	308.5	308.7	308.8	308.8	309.0	308.1	307.4	306.4	305.6	304.7	303.7
162.5°	305.5	305.7	305.8	305.8	306.0	305.1	304.4	303.5	302.6	301.6	300.8
165°	301.6	301.6	301.6	301.6	301.5	300.9	300.4	299.8	299.2	298.5	298.0
167.5°	301.0	301.0	300.9	300.9	300.8	300.4	300.1	299.6	299.1	298.7	298.3
170°	299.8	299.8	299.7	299.7	299.6	299.2	298.7	298.4	298.1	297.5	297.0
172.5°	298.7	298.5	298.4	298.2	298.0	297.7	297.4	297.1	296.9	296.6	296.3
175°	298.1	297.8	297.6	297.4	297.1	297.0	296.9	296.8	296.7	296.5	296.4
177.5°	300.0	299.7	299.2	298.8	298.4	298.4	298.3	298.2	298.1	298.0	297.8
180°	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9



TEST NUMBER: P1444509  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L835-UPL24

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5
2.5°	15476.7	15381.1	15368.5	15375.2	15391.2	15397.1	15414.2	15419.0	15436.4	15440.6	15457.3
5°	15796.0	15669.6	15675.9	15706.4	15752.4	15779.8	15825.0	15848.6	15891.8	15911.4	15950.4
7.5°	16132.7	16033.5	16064.5	16115.7	16178.6	16222.1	16276.4	16311.8	16358.6	16387.6	16425.1
10°	16298.1	16270.9	16304.9	16345.3	16381.2	16409.3	16432.3	16450.7	16462.7	16474.0	16479.0
12.5°	16172.3	16214.4	16220.1	16216.2	16192.5	16174.3	16133.5	16105.9	16056.7	16026.8	15968.2
15°	15705.8	15798.3	15747.1	15669.5	15556.1	15461.5	15327.9	15228.4	15089.2	14994.9	14855.3
17.5°	14887.3	15004.0	14870.6	14691.1	14462.9	14267.6	14024.4	13831.3	13589.6	13413.7	13188.1
20°	13734.9	13843.9	13605.9	13308.5	12955.4	12658.2	12307.8	12028.1	11702.4	11460.2	11167.9
22.5°	12300.1	12377.8	12042.4	11641.5	11191.6	10820.3	10401.3	10066.0	9694.5	9417.4	9105.7
25°	10712.8	10733.7	10331.4	9869.4	9368.0	8950.8	8503.5	8151.0	7772.0	7491.3	7185.4
27.5°	9110.6	9079.8	8645.0	8155.2	7627.7	7194.0	6757.8	6427.5	6095.5	5842.6	5579.1
30°	7598.4	7523.9	7072.4	6569.0	6056.9	5668.3	5306.1	5040.9	4776.7	4576.1	4364.6
32.5°	6211.7	6106.6	5667.1	5195.4	4764.0	4464.0	4195.4	3994.7	3781.5	3612.1	3434.5
35°	4983.4	4871.5	4482.2	4082.2	3755.7	3534.6	3323.5	3158.8	2977.8	2834.9	2680.6
37.5°	3929.3	3837.5	3511.4	3196.7	2949.8	2778.3	2605.5	2470.9	2321.3	2258.3	2093.6
40°	3033.4	2969.3	2714.3	2482.3	2296.8	2216.4	2040.8	1915.1	1803.2	1711.0	1621.7
42.5°	2366.1	2343.4	2095.3	1914.3	1783.7	1682.3	1584.5	1505.0	1427.7	1364.2	1304.1
45°	1736.4	1718.4	1608.2	1503.8	1414.8	1343.9	1277.8	1223.2	1172.6	1130.7	1092.6
47.5°	1352.1	1346.3	1282.9	1218.1	1162.1	1116.5	1073.7	1037.4	1003.8	975.8	966.7
50°	1099.7	1099.0	1061.7	1021.8	981.8	955.6	928.1	906.7	885.2	868.4	850.6
52.5°	934.4	930.4	905.2	880.5	856.9	839.6	822.0	808.4	794.1	783.7	772.7
55°	804.4	808.7	794.1	779.4	764.5	753.8	741.6	732.5	722.8	716.2	709.6
57.5°	714.1	719.7	712.2	703.8	694.7	687.7	679.2	673.0	666.4	662.3	658.5
60°	648.5	654.6	651.6	647.3	641.8	637.5	632.2	628.7	624.4	622.1	620.0
62.5°	592.7	600.4	599.3	597.4	593.8	591.5	588.5	586.9	584.2	583.1	582.2
65°	537.2	545.8	545.6	544.6	542.7	542.0	540.2	539.8	538.4	539.0	538.8
67.5°	493.4	500.9	502.6	503.8	503.7	504.2	504.0	504.8	504.8	505.9	506.5
70°	461.9	467.1	468.3	469.6	470.0	470.9	470.9	471.6	471.4	472.3	472.5
72.5°	430.0	436.9	438.1	439.1	439.1	440.1	439.6	439.4	438.1	437.8	436.8
75°	390.3	399.1	401.0	402.3	402.5	403.4	402.1	401.4	399.1	398.2	396.6
77.5°	348.9	358.0	359.3	359.8	359.1	359.2	356.7	355.1	352.2	351.0	349.5
80°	294.9	308.3	309.5	308.6	306.5	306.1	303.7	302.1	298.6	297.5	296.1
82.5°	224.4	240.2	242.4	243.4	241.7	242.1	239.8	238.8	235.6	235.1	233.0
85°	141.7	157.5	160.1	159.7	158.0	157.6	156.2	156.7	156.4	157.3	157.8
87.5°	65.1	80.4	84.1	82.9	82.7	81.6	79.2	80.1	81.5	82.5	82.6
90°	49.1	56.2	58.7	56.8	53.5	51.5	48.3	46.4	43.5	41.7	38.8
92.5°	65.4	69.3	73.3	69.8	66.3	62.8	59.3	55.7	52.3	48.7	45.3
95°	81.9	87.5	93.2	88.5	83.9	79.2	74.6	69.8	65.2	60.5	55.9
97.5°	92.0	98.6	105.2	100.5	95.9	91.1	86.5	81.8	77.2	72.5	67.9
100°	160.3	175.4	190.8	177.5	164.3	151.0	137.7	124.4	111.1	97.8	84.6
102.5°	364.3	401.5	438.9	405.4	371.8	338.3	304.8	271.2	237.8	204.2	170.7
105°	658.2	714.5	771.0	719.7	668.7	617.5	566.4	515.1	463.9	412.7	361.6
107.5°	887.2	939.9	993.1	946.8	900.6	854.3	808.0	761.7	715.5	669.1	623.0
110°	1000.5	1042.1	1084.3	1053.2	1022.2	991.1	960.2	929.1	898.2	867.2	836.2



TEST NUMBER: P1444509  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L835-UPL24

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	999.2	1029.6	1060.4	1042.1	1024.0	1006.0	987.8	969.7	951.7	933.6	915.6
115°	912.3	930.3	948.8	941.5	934.5	927.3	920.3	913.2	906.1	899.0	892.1
117.5°	803.7	812.3	821.8	820.5	819.3	818.1	816.9	815.6	814.6	813.4	812.3
120°	690.1	692.0	694.8	695.9	697.0	698.0	699.1	700.2	701.2	702.4	703.6
122.5°	593.8	591.8	590.5	591.5	592.5	593.5	594.5	595.6	596.7	597.8	598.8
125°	524.7	520.9	517.9	516.8	515.7	514.7	513.6	512.4	511.5	510.5	509.5
127.5°	474.0	469.8	466.5	463.8	461.2	458.3	455.7	452.9	450.3	447.5	445.0
130°	437.8	433.8	431.0	427.5	424.2	420.6	417.2	413.8	410.3	406.9	403.5
132.5°	411.2	407.4	404.9	401.6	398.4	395.0	391.8	388.4	385.1	381.7	378.5
135°	393.3	390.1	388.1	385.0	382.2	379.1	376.1	373.1	370.2	367.0	364.2
137.5°	377.3	374.3	372.6	370.2	368.0	365.5	363.3	360.8	358.5	355.9	353.7
140°	363.5	360.3	358.5	357.2	356.0	354.6	353.3	352.1	350.8	349.5	348.1
142.5°	352.7	349.5	348.2	347.3	346.6	345.8	345.2	344.3	343.5	342.6	341.8
145°	341.5	338.1	336.4	336.4	336.5	336.5	336.5	336.5	336.5	336.5	336.5
147.5°	333.5	330.1	328.4	328.7	328.9	329.1	329.4	329.6	329.9	330.1	330.3
150°	324.5	320.8	318.8	319.3	319.7	320.2	320.6	321.0	321.5	321.9	322.4
152.5°	317.0	312.3	310.2	310.7	311.2	311.6	312.2	312.7	313.3	313.8	314.4
155°	310.4	305.4	303.2	303.3	303.5	303.8	304.0	304.3	304.6	304.8	305.2
157.5°	305.9	300.9	298.7	298.7	298.7	298.9	298.9	299.1	299.2	299.4	299.6
160°	302.7	297.8	295.7	295.6	295.7	295.7	295.8	295.8	296.0	296.1	296.4
162.5°	299.7	294.9	292.9	292.7	292.7	292.7	292.9	292.8	293.0	293.0	293.3
165°	297.3	293.1	291.4	291.5	291.7	291.8	292.0	292.1	292.3	292.6	292.9
167.5°	297.8	294.0	292.7	292.6	292.4	292.2	292.2	292.0	292.0	292.0	292.0
170°	296.6	293.5	292.4	292.4	292.6	292.5	292.6	292.7	292.8	292.8	293.0
172.5°	295.9	293.8	292.9	293.2	293.5	293.7	294.0	294.2	294.5	294.8	295.1
175°	296.2	295.0	294.6	294.6	294.7	294.9	295.0	295.2	295.2	295.4	295.7
177.5°	297.7	297.2	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.1	297.1
180°	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9



TEST NUMBER: P1444509  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L835-UPL24

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5
2.5°	15460.4	15478.4	15477.1	15493.9	15493.1	15508.9	15505.7	15519.5	15516.3	15528.0	15521.1
5°	15967.5	16001.8	16013.2	16044.0	16050.5	16078.1	16078.7	16100.7	16098.1	16115.3	16106.2
7.5°	16447.3	16479.3	16494.5	16518.5	16530.5	16550.4	16558.2	16574.6	16578.5	16588.2	16587.9
10°	16487.7	16487.6	16495.2	16491.8	16498.5	16494.6	16502.8	16499.8	16512.0	16508.9	16518.0
12.5°	15943.0	15888.9	15869.2	15820.6	15809.9	15768.4	15771.3	15744.6	15757.5	15741.0	15769.0
15°	14772.2	14646.8	14584.8	14475.8	14441.5	14355.3	14348.3	14291.1	14306.6	14276.6	14320.4
17.5°	13042.1	12844.7	12736.3	12577.0	12513.8	12391.9	12367.4	12293.7	12305.2	12268.0	12321.0
20°	10979.3	10740.7	10604.1	10419.8	10337.7	10192.4	10153.9	10071.4	10081.7	10044.8	10104.6
22.5°	8893.0	8643.2	8488.9	8295.9	8191.1	8054.3	8013.3	7930.5	7935.3	7900.6	7958.1
25°	6975.7	6736.3	6586.5	6411.2	6320.2	6194.9	6151.8	6077.5	6081.7	6053.0	6104.6
27.5°	5396.2	5199.8	5074.5	4927.5	4846.0	4742.9	4700.9	4638.4	4638.2	4617.2	4660.4
30°	4216.9	4052.9	3940.4	3812.4	3735.8	3642.9	3602.2	3546.3	3543.9	3528.9	3563.3
32.5°	3301.8	3155.9	3053.2	2940.7	2871.8	2792.1	2753.6	2708.6	2704.6	2691.1	2719.3
35°	2566.7	2443.8	2355.6	2260.8	2267.7	2150.1	2169.6	2078.2	2053.5	2048.0	2069.0
37.5°	1983.7	1888.6	1817.0	1745.9	1697.8	1648.1	1621.3	1597.3	1594.5	1592.2	1606.9
40°	1552.7	1486.1	1434.1	1385.3	1352.2	1321.9	1305.1	1291.9	1288.7	1287.0	1295.9
42.5°	1256.7	1211.7	1178.2	1148.4	1128.3	1111.9	1102.7	1095.3	1092.9	1092.9	1098.1
45°	1061.7	1034.5	1012.9	994.3	981.5	987.2	970.6	979.2	967.8	979.6	971.8
47.5°	935.0	911.8	898.5	885.4	877.5	871.3	871.5	871.6	874.1	874.5	877.0
50°	837.3	823.8	814.5	806.1	802.1	798.8	799.9	800.8	803.1	803.3	805.2
52.5°	764.8	756.0	750.4	745.3	743.4	741.6	742.3	742.0	743.1	742.5	744.1
55°	706.0	701.8	700.1	698.1	698.4	697.8	698.2	696.4	695.2	693.8	695.1
57.5°	657.6	657.0	658.3	659.1	661.3	662.1	662.5	660.4	658.4	656.5	657.6
60°	620.4	621.3	624.2	626.7	629.9	631.3	632.2	630.9	629.5	627.9	628.9
62.5°	583.6	585.1	588.6	591.3	595.2	597.1	599.3	599.4	600.0	599.4	600.1
65°	541.0	542.8	546.0	548.2	551.8	553.6	555.8	556.2	557.4	557.1	558.2
67.5°	508.6	510.2	512.8	515.0	518.2	520.0	521.9	522.0	522.5	522.4	523.5
70°	474.0	474.8	477.2	479.0	482.2	484.0	486.4	487.0	488.4	488.7	489.8
72.5°	437.2	436.9	438.3	439.0	441.5	442.9	445.8	447.5	449.8	450.5	451.3
75°	397.1	396.8	398.4	399.1	401.1	402.7	405.9	408.0	411.7	413.3	412.8
77.5°	350.6	351.4	354.6	356.3	359.1	361.0	365.2	368.6	375.2	378.2	375.2
80°	298.6	299.5	302.8	304.5	308.0	310.3	315.0	318.9	325.0	326.4	324.6
82.5°	234.8	235.0	237.9	239.2	243.9	247.3	253.3	256.4	260.1	259.6	259.1
85°	160.1	162.2	166.0	169.7	175.3	180.8	186.5	191.1	187.8	193.0	187.1
87.5°	85.5	85.3	90.4	89.6	97.5	102.1	107.0	109.4	112.0	111.4	111.5
90°	37.2	35.4	34.7	32.8	32.5	30.4	30.5	28.6	29.0	26.8	30.1
92.5°	41.7	39.9	37.9	36.2	34.1	32.4	30.3	28.5	26.6	24.7	26.6
95°	51.2	49.5	47.7	45.9	44.1	42.4	40.6	38.9	37.1	35.4	37.6
97.5°	63.2	62.2	61.2	60.1	59.1	58.1	57.1	56.0	55.0	53.9	55.4
100°	71.4	71.4	71.4	71.4	71.3	71.3	71.3	71.3	71.3	71.3	72.4
102.5°	137.1	133.7	130.4	127.0	123.7	120.3	117.0	113.6	110.3	106.9	111.9
105°	310.5	297.4	284.2	271.0	257.9	244.8	231.7	218.6	205.5	192.4	205.9
107.5°	576.8	552.9	529.0	505.1	481.1	457.3	433.4	409.5	385.6	361.8	383.2
110°	805.3	779.9	754.5	729.2	703.8	678.3	653.0	627.7	602.3	577.0	597.4



TEST NUMBER: P1444509  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L835-UPL24

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	897.6	881.1	864.7	848.3	831.9	815.6	799.4	783.0	766.7	750.4	760.3
115°	885.1	877.2	869.5	861.6	853.9	846.1	838.3	830.6	822.9	815.2	815.7
117.5°	811.2	808.6	805.9	803.3	800.8	798.3	795.8	793.2	790.7	788.3	782.8
120°	704.8	705.6	706.4	707.3	708.2	709.2	710.0	711.0	712.0	713.1	705.6
122.5°	599.9	601.8	603.8	605.7	607.9	609.9	611.9	614.1	616.3	618.4	611.0
125°	508.5	510.4	512.3	514.3	516.1	518.3	520.3	522.5	524.6	526.9	520.6
127.5°	442.2	443.0	443.6	444.4	445.2	446.0	446.9	448.0	448.9	450.0	446.0
130°	400.1	399.4	398.7	398.1	397.5	397.2	396.7	396.3	396.0	395.7	393.9
132.5°	375.1	373.6	372.0	370.6	369.1	367.8	366.4	365.3	364.0	362.9	362.3
135°	361.1	359.0	356.8	354.7	352.7	350.7	348.8	347.0	345.3	343.5	343.8
137.5°	351.2	349.2	346.9	344.9	342.9	341.0	339.0	337.2	335.5	333.7	334.3
140°	346.8	344.6	342.5	340.4	338.5	336.6	334.7	333.0	331.0	329.5	329.9
142.5°	340.9	339.2	337.1	335.3	333.4	331.7	330.0	328.4	326.7	325.3	325.7
145°	336.4	335.0	333.5	332.1	330.8	329.6	328.2	327.1	325.9	324.9	325.2
147.5°	330.5	329.5	328.3	327.3	326.3	325.3	324.3	323.5	322.6	321.9	321.9
150°	322.8	322.2	321.4	320.8	320.1	319.5	318.9	318.3	317.7	317.4	317.3
152.5°	314.8	314.3	313.6	313.0	312.3	311.8	311.2	310.8	310.3	309.8	309.8
155°	305.5	305.2	304.9	304.7	304.4	304.3	304.0	303.9	303.7	303.5	303.6
157.5°	299.8	299.7	299.6	299.6	299.6	299.5	299.4	299.5	299.4	299.5	299.6
160°	296.6	296.4	296.2	296.0	295.9	295.7	295.5	295.4	295.3	295.2	295.5
162.5°	293.4	293.6	293.6	293.7	293.9	294.0	294.2	294.5	294.6	294.8	295.0
165°	293.2	293.1	293.0	292.9	292.9	292.9	292.8	293.0	292.9	293.0	293.3
167.5°	291.9	292.0	292.1	292.3	292.5	292.7	293.0	293.3	293.6	293.9	294.2
170°	293.0	293.0	293.0	293.0	293.0	293.1	293.2	293.2	293.3	293.4	293.7
172.5°	295.3	295.3	295.2	295.3	295.2	295.3	295.3	295.3	295.3	295.4	295.6
175°	295.7	296.0	296.2	296.3	296.5	296.6	296.8	296.9	297.1	297.2	297.2
177.5°	297.1	297.1	297.1	297.1	297.1	297.2	297.2	297.2	297.2	297.1	297.2
180°	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9



TEST NUMBER: P1444509  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L835-UPL24

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5
2.5°	15532.5	15524.8	15532.7	15524.7	15532.7	15523.0	15529.6	15519.2	15521.8	15510.9	15513.7
5°	16119.8	16107.4	16114.0	16097.9	16099.7	16078.1	16077.8	16052.7	16046.1	16017.6	16005.1
7.5°	16594.8	16590.7	16593.0	16582.6	16581.5	16566.7	16559.8	16539.1	16526.1	16499.8	16482.0
10°	16519.6	16531.7	16534.8	16547.2	16549.7	16562.0	16564.5	16576.7	16579.2	16588.4	16588.5
12.5°	15767.7	15808.8	15818.7	15869.4	15890.8	15948.9	15980.0	16044.0	16082.1	16145.9	16185.2
15°	14319.2	14390.3	14418.6	14517.8	14572.7	14688.5	14761.1	14894.0	14987.9	15129.1	15229.7
17.5°	12325.6	12425.0	12469.8	12604.3	12692.0	12862.9	12986.0	13188.7	13343.8	13569.1	13747.7
20°	10114.9	10225.3	10286.2	10439.6	10543.2	10742.7	10896.5	11145.6	11353.2	11638.6	11882.7
22.5°	7976.1	8081.2	8148.9	8304.9	8421.4	8629.6	8801.4	9064.4	9297.1	9618.7	9911.3
25°	6124.1	6220.5	6281.6	6422.8	6532.2	6723.5	6887.6	7140.4	7368.1	7690.7	7990.8
27.5°	4681.8	4762.5	4821.4	4941.8	5038.3	5200.6	5341.5	5550.5	5746.6	6025.8	6292.9
30°	3584.3	3655.9	3713.2	3818.0	3907.5	4048.2	4172.1	4347.6	4510.0	4732.0	4944.6
32.5°	2739.1	2800.7	2851.7	2943.5	3024.6	3151.3	3263.0	3416.7	3556.2	3744.5	3919.4
35°	2088.4	2209.6	2200.9	2327.6	2347.9	2438.8	2538.4	2673.0	2796.4	2956.5	3105.3
37.5°	1620.9	1655.0	1691.5	1747.4	1806.2	1888.9	1973.1	2137.4	2197.7	2318.7	2442.0
40°	1307.1	1330.1	1354.3	1392.1	1433.2	1491.5	1552.7	1631.2	1711.5	1809.7	1909.9
42.5°	1105.1	1118.1	1133.4	1155.7	1181.0	1217.9	1259.0	1312.1	1368.0	1437.1	1507.6
45°	987.4	981.2	985.7	997.6	1012.9	1035.4	1061.2	1094.1	1130.6	1175.3	1222.9
47.5°	877.5	880.0	881.4	887.9	896.0	911.2	926.9	949.2	992.3	1005.5	1031.5
50°	805.1	806.2	805.9	809.1	813.3	823.1	833.3	848.4	863.4	883.5	902.6
52.5°	744.3	746.0	745.7	747.9	750.1	756.3	762.7	773.5	783.4	796.1	807.0
55°	696.3	698.6	699.5	701.3	702.4	705.7	708.2	713.3	717.5	724.8	731.4
57.5°	659.3	662.5	664.1	664.7	663.4	663.2	662.3	663.4	664.3	668.2	671.8
60°	630.4	632.9	633.3	632.9	630.5	628.8	626.1	625.2	624.7	626.7	628.7
62.5°	599.9	600.9	600.2	599.4	596.7	595.1	592.2	591.2	590.2	591.6	592.6
65°	557.8	558.6	557.8	557.4	554.9	553.7	551.2	550.5	549.1	549.4	549.2
67.5°	523.7	524.5	523.9	523.2	521.6	520.7	518.9	517.8	516.1	515.5	514.4
70°	489.7	490.2	489.3	488.7	486.7	486.0	484.3	484.0	482.7	482.4	481.1
72.5°	450.5	450.5	449.1	448.7	447.3	447.3	446.6	447.2	447.2	447.9	447.6
75°	410.3	409.8	408.1	407.8	406.8	407.2	406.5	407.4	407.6	409.1	409.3
77.5°	370.2	368.2	364.9	363.3	361.2	360.9	359.6	360.5	360.2	362.0	362.6
80°	319.5	317.0	312.8	310.9	308.2	307.9	306.7	307.9	307.3	309.3	310.7
82.5°	255.1	252.9	248.6	247.0	244.1	244.3	243.1	244.3	244.2	247.1	248.8
85°	188.7	187.2	182.8	178.9	174.5	171.9	169.4	169.0	168.2	169.4	170.5
87.5°	109.0	107.6	104.1	101.9	94.2	94.5	91.5	91.3	90.7	90.0	91.5
90°	30.4	33.4	33.8	36.7	37.3	40.3	41.3	44.2	45.1	48.2	49.5
92.5°	28.5	30.3	32.3	34.1	36.1	37.9	39.9	41.7	45.8	49.7	53.9
95°	39.8	42.0	44.1	46.3	48.5	50.7	52.8	55.1	61.1	67.0	73.0
97.5°	56.9	58.3	59.7	61.2	62.6	64.1	65.5	67.0	73.5	79.9	86.3
100°	73.6	74.8	75.9	77.1	78.2	79.4	80.6	81.7	94.2	106.6	119.0
102.5°	116.8	121.8	126.7	131.7	136.6	141.6	146.5	151.5	180.0	208.4	236.8
105°	219.4	233.0	246.6	260.1	273.6	287.2	300.8	314.4	359.8	405.2	450.8
107.5°	404.6	426.0	447.4	468.9	490.3	511.7	533.1	554.6	598.8	643.3	687.6
110°	617.8	638.2	658.6	679.1	699.5	719.8	740.4	760.9	787.4	814.0	840.7



TEST NUMBER: P1444509  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L835-UPL24

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	770.2	780.1	790.0	800.0	810.0	820.0	830.0	840.0	853.3	866.5	879.8
115°	816.4	817.0	817.7	818.3	818.9	819.6	820.4	821.2	825.3	829.4	833.6
117.5°	777.3	771.8	766.4	760.9	755.4	750.1	744.8	739.5	738.6	737.6	736.8
120°	698.4	691.0	683.8	676.3	669.2	661.9	654.8	647.6	643.9	640.1	636.5
122.5°	603.8	596.4	589.1	581.9	574.8	567.5	560.5	553.5	550.7	548.1	545.4
125°	514.5	508.4	502.4	496.3	490.4	484.4	478.6	472.7	472.4	472.1	471.9
127.5°	442.3	438.6	434.9	431.2	427.7	424.1	420.6	417.0	418.5	419.9	421.3
130°	392.2	390.6	389.0	387.3	386.0	384.5	383.0	381.5	384.3	386.7	389.4
132.5°	362.1	361.8	361.5	361.3	361.1	361.0	361.0	360.8	363.8	366.9	369.8
135°	344.2	344.5	345.1	345.6	346.3	346.7	347.5	348.1	351.0	353.8	356.7
137.5°	335.0	335.7	336.5	337.2	338.2	339.0	340.0	340.9	343.1	345.4	347.6
140°	330.4	330.8	331.5	332.2	332.9	333.5	334.4	335.1	336.9	338.7	340.4
142.5°	326.3	326.7	327.2	327.9	328.6	329.3	330.0	330.6	331.9	333.2	334.6
145°	325.5	325.9	326.3	326.8	327.1	327.7	328.2	328.7	329.5	330.3	331.1
147.5°	322.1	322.3	322.6	322.9	323.3	323.6	323.8	324.0	324.6	325.0	325.6
150°	317.3	317.4	317.5	317.5	317.6	317.8	317.9	318.1	318.5	318.9	319.3
152.5°	309.9	309.9	309.9	310.0	310.1	310.2	310.2	310.4	310.8	311.2	311.5
155°	303.8	304.0	304.2	304.4	304.7	304.8	305.0	305.2	305.5	305.7	306.0
157.5°	299.8	299.9	300.2	300.4	300.6	300.8	301.1	301.2	301.5	301.6	301.8
160°	295.8	296.3	296.5	297.0	297.3	297.7	298.0	298.4	298.6	298.8	299.0
162.5°	295.2	295.3	295.6	295.8	296.0	296.2	296.4	296.6	297.1	297.3	297.8
165°	293.7	294.0	294.5	294.7	295.2	295.5	295.8	296.2	296.3	296.6	296.8
167.5°	294.6	294.9	295.2	295.6	295.9	296.3	296.6	297.0	297.2	297.3	297.6
170°	294.0	294.4	294.6	295.0	295.2	295.5	295.8	296.2	296.5	296.8	297.1
172.5°	295.8	296.1	296.3	296.6	296.8	297.2	297.4	297.7	298.0	298.3	298.4
175°	297.2	297.2	297.3	297.3	297.4	297.4	297.5	297.6	297.6	297.7	297.7
177.5°	297.4	297.5	297.7	297.8	298.0	298.1	298.3	298.4	298.4	298.4	298.4
180°	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9



TEST NUMBER: P1444509  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L835-UPL24

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5
2.5°	15502.9	15503.5	15491.0	15490.4	15478.6	15477.2	15465.7	15462.2	15453.0	15449.6	15440.2
5°	15973.2	15958.0	15922.8	15902.1	15867.4	15844.3	15806.7	15782.1	15745.8	15718.3	15681.8
7.5°	16448.9	16425.3	16385.7	16353.7	16305.5	16266.9	16210.5	16164.2	16103.1	16050.1	15985.8
10°	16588.5	16584.8	16574.7	16560.0	16537.6	16512.3	16473.9	16433.8	16380.3	16322.0	16250.6
12.5°	16245.1	16282.3	16332.8	16362.7	16399.2	16415.2	16430.1	16426.3	16416.5	16387.1	16345.8
15°	15375.6	15479.7	15617.7	15724.5	15847.5	15936.9	16035.6	16097.2	16158.4	16186.7	16204.1
17.5°	13992.3	14189.5	14436.8	14641.8	14878.2	15068.2	15276.4	15433.2	15594.3	15709.8	15814.2
20°	12215.4	12501.1	12851.0	13160.0	13519.2	13831.4	14173.6	14454.5	14744.2	14970.7	15185.1
22.5°	10288.2	10627.5	11050.4	11442.1	11905.3	12321.5	12791.2	13200.0	13626.8	13983.4	14328.2
25°	8392.9	8765.2	9227.5	9664.6	10189.2	10673.4	11230.3	11739.9	12291.5	12770.4	13243.6
27.5°	6662.4	7027.8	7499.8	7965.1	8519.9	9035.8	9632.6	10193.9	10822.0	11401.2	11993.7
30°	5240.0	5549.9	5973.2	6423.8	6971.0	7496.0	8099.2	8676.5	9330.0	9962.5	10629.8
32.5°	4151.5	4387.6	4720.4	5101.5	5606.2	6106.0	6680.5	7237.7	7881.3	8520.1	9214.2
35°	3297.1	3481.2	3735.0	4032.3	4459.8	4890.6	5398.7	5905.5	6505.9	7112.1	7786.7
37.5°	2599.9	2749.4	2948.0	3171.4	3514.3	3867.9	4284.5	4704.6	5226.3	5763.6	6375.2
40°	2030.3	2151.2	2306.0	2472.5	2731.4	3003.9	3326.1	3651.9	4071.0	4510.2	5016.2
42.5°	1594.9	1684.1	1793.4	1915.2	2156.7	2301.4	2519.8	2755.6	3063.6	3382.4	3762.9
45°	1280.9	1341.8	1417.5	1499.1	1611.3	1734.0	1883.6	2040.6	2333.2	2476.8	2708.1
47.5°	1069.7	1110.5	1158.7	1210.2	1276.3	1347.7	1436.4	1527.2	1644.5	1766.1	1908.7
50°	927.4	968.9	985.5	1012.2	1050.4	1091.2	1141.2	1191.3	1254.2	1318.0	1391.4
52.5°	821.9	835.3	853.4	870.3	894.0	940.4	955.5	981.5	1016.8	1051.4	1090.0
55°	741.2	750.0	761.7	771.9	786.3	800.0	819.8	837.2	860.7	881.5	907.1
57.5°	678.4	684.1	692.2	698.9	708.2	715.9	727.5	736.9	750.5	762.2	777.7
60°	632.9	636.6	642.1	646.4	652.4	656.3	662.2	666.5	673.7	679.7	688.3
62.5°	595.6	597.6	601.1	603.7	607.5	609.5	612.5	614.4	618.4	621.4	626.3
65°	550.9	551.3	553.8	554.8	557.8	558.9	561.4	562.3	565.5	567.7	572.0
67.5°	514.3	513.3	513.3	512.4	512.8	512.1	512.3	511.4	512.6	513.3	516.6
70°	480.8	479.5	479.0	477.4	477.0	475.4	474.9	473.6	473.4	472.9	474.0
72.5°	448.3	447.9	448.0	446.9	446.8	445.7	445.8	445.2	445.8	446.2	447.7
75°	410.8	410.9	411.7	410.7	411.0	410.1	410.4	409.6	410.1	409.9	411.3
77.5°	365.3	366.3	368.3	367.9	368.6	367.5	368.0	366.8	367.1	366.3	366.9
80°	314.0	316.2	318.9	318.8	319.9	319.2	320.2	319.1	319.5	318.1	317.8
82.5°	253.1	255.0	257.8	257.9	260.4	260.9	263.6	263.5	265.3	264.2	263.4
85°	173.0	174.3	176.9	178.2	180.7	182.3	185.0	186.1	184.1	187.7	184.9
87.5°	90.4	93.7	91.8	96.2	95.2	99.6	98.6	102.8	101.9	105.5	105.0
90°	53.1	54.7	58.5	60.1	64.6	66.5	67.0	64.7	65.1	62.8	63.1
92.5°	57.9	62.2	66.2	70.3	74.4	78.5	74.7	70.9	67.1	63.4	59.5
95°	78.9	84.9	90.9	96.9	102.8	108.8	102.4	96.1	89.7	83.3	76.8
97.5°	92.7	99.2	105.6	112.0	118.4	124.8	117.2	109.7	102.1	94.6	87.0
100°	131.4	143.7	156.1	168.5	180.9	193.3	179.3	165.2	151.1	136.9	122.9
102.5°	265.3	293.6	322.1	350.5	378.9	407.4	377.5	347.5	317.6	287.7	257.6
105°	496.3	541.8	587.2	632.8	678.2	723.8	675.2	626.7	578.1	529.6	480.9
107.5°	732.0	776.3	820.8	865.0	909.4	953.8	904.6	855.3	806.1	756.8	707.5
110°	867.3	893.9	920.6	947.2	973.9	1000.6	964.6	928.6	892.6	856.6	820.6



TEST NUMBER: P1444509  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L835-UPL24

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	893.0	906.4	919.6	933.1	946.3	959.7	933.9	908.2	882.5	856.8	830.9
115°	837.8	841.9	846.1	850.4	854.5	858.7	841.3	823.9	806.5	789.2	771.6
117.5°	735.9	735.2	734.2	733.5	732.5	731.8	722.0	712.3	702.4	692.6	682.8
120°	632.8	629.0	625.3	621.6	617.9	614.2	610.0	605.8	601.6	597.4	593.0
122.5°	542.9	540.3	537.7	535.0	532.3	529.6	528.0	526.3	524.6	522.8	521.1
125°	471.7	471.3	471.1	470.8	470.6	470.3	469.3	468.4	467.4	466.5	465.4
127.5°	422.7	424.1	425.5	426.8	428.1	429.4	429.1	428.8	428.4	428.1	427.7
130°	391.8	394.5	397.1	399.5	401.9	404.5	403.8	403.3	402.7	402.1	401.4
132.5°	372.9	375.8	378.8	381.8	384.7	387.6	386.9	386.2	385.3	384.6	383.9
135°	359.5	362.4	365.2	368.1	370.8	373.5	372.5	371.8	370.8	370.0	369.0
137.5°	349.8	352.1	354.2	356.4	358.6	360.7	359.8	359.0	358.0	357.1	356.2
140°	342.2	343.9	345.6	347.3	349.0	350.6	349.5	348.5	347.4	346.3	345.2
142.5°	335.8	337.0	338.2	339.6	340.7	342.0	340.4	339.1	337.7	336.3	334.7
145°	331.9	332.7	333.5	334.2	334.8	335.6	333.9	332.4	330.6	329.2	327.4
147.5°	326.0	326.5	326.8	327.3	327.5	328.0	326.5	324.9	323.5	321.9	320.3
150°	319.7	320.2	320.5	320.8	321.2	321.5	320.0	318.3	316.8	315.1	313.6
152.5°	311.9	312.3	312.6	312.9	313.3	313.6	312.0	310.7	309.1	307.6	306.1
155°	306.1	306.4	306.5	306.8	306.8	307.0	305.6	304.6	303.2	302.0	300.7
157.5°	302.0	302.2	302.4	302.5	302.7	302.8	301.8	301.0	299.9	299.0	298.0
160°	299.2	299.3	299.5	299.6	299.8	299.9	299.0	298.4	297.6	296.7	295.8
162.5°	298.1	298.4	298.6	298.9	299.2	299.5	298.5	297.7	296.7	295.7	294.7
165°	296.9	297.1	297.3	297.5	297.5	297.7	297.0	296.4	295.7	295.1	294.4
167.5°	297.7	297.9	298.0	298.2	298.3	298.4	297.6	297.1	296.3	295.7	295.0
170°	297.4	297.6	298.0	298.2	298.4	298.5	298.1	297.6	297.0	296.5	295.9
172.5°	298.7	298.9	299.1	299.3	299.5	299.8	299.2	298.6	298.2	297.6	297.0
175°	297.7	297.8	297.9	297.9	297.9	298.0	297.6	297.1	296.7	296.2	295.8
177.5°	298.4	298.4	298.4	298.4	298.4	298.4	298.1	297.8	297.5	297.2	296.8
180°	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9



TEST NUMBER: P1444509  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L835-UPL24

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5	15340.5
2.5°	15436.8	15430.1	15425.9	15420.4	15417.0	15412.7	15409.6	15406.9	15404.7	15402.7	15401.3
5°	15653.9	15619.4	15592.7	15563.7	15539.8	15516.1	15497.7	15482.6	15472.1	15464.3	15459.6
7.5°	15930.3	15867.2	15810.9	15751.9	15698.8	15646.7	15601.8	15563.1	15534.0	15515.2	15503.7
10°	16177.1	16092.6	16008.9	15920.9	15837.5	15756.5	15681.8	15616.0	15564.1	15529.4	15509.3
12.5°	16287.8	16215.7	16130.3	16034.7	15932.4	15829.0	15728.1	15637.2	15560.9	15509.6	15480.0
15°	16190.3	16160.8	16102.8	16028.6	15931.5	15824.6	15706.1	15594.8	15492.4	15426.0	15387.5
17.5°	15873.4	15914.6	15910.2	15881.8	15812.1	15722.0	15601.3	15476.3	15348.2	15259.4	15210.9
20°	15338.4	15468.2	15534.0	15567.8	15540.4	15482.0	15372.7	15245.8	15096.5	14980.6	14909.9
22.5°	14586.8	14815.9	14958.6	15063.1	15085.3	15065.3	14968.8	14848.2	14681.7	14542.5	14438.0
25°	13619.1	13954.8	14180.3	14357.2	14425.9	14443.7	14361.5	14241.5	14056.0	13893.8	13750.3
27.5°	12479.4	12915.4	13216.7	13454.4	13561.6	13608.1	13532.5	13410.0	13190.6	12996.9	12809.6
30°	11196.3	11713.6	12076.3	12361.2	12492.0	12553.5	12473.2	12336.5	12081.2	11848.0	11612.0
32.5°	9822.9	10389.1	10784.2	11093.7	11223.3	11281.0	11176.0	11022.5	10727.4	10452.8	10177.5
35°	8385.0	8956.5	9355.0	9656.3	9764.8	9799.7	9665.4	9487.9	9160.9	8859.5	8559.3
37.5°	6917.9	7449.5	7811.7	8082.1	8149.3	8155.3	7993.5	7797.5	7453.8	7156.6	6857.7
40°	5463.3	5911.7	6204.1	6420.5	6443.9	6423.1	6247.2	6049.9	5728.3	5462.1	5199.8
42.5°	4093.3	4431.7	4640.4	4788.7	4779.8	4738.7	4577.5	4407.9	4142.6	3939.9	3733.4
45°	2919.5	3142.7	3264.7	3351.5	3323.6	3284.4	3158.9	3040.1	2859.8	2728.8	2590.0
47.5°	2028.3	2294.7	2248.4	2417.9	2271.8	2368.4	2167.3	2056.5	1960.9	1891.2	1812.8
50°	1452.0	1513.1	1542.6	1562.7	1552.1	1537.2	1501.1	1468.8	1425.1	1393.2	1356.1
52.5°	1121.4	1151.9	1168.6	1180.7	1178.4	1172.9	1157.2	1142.8	1122.3	1108.9	1092.6
55°	949.8	950.3	981.1	967.9	987.4	964.5	973.5	948.2	952.3	930.5	916.0
57.5°	789.3	801.8	807.4	812.9	811.4	810.4	804.3	801.2	794.3	792.3	787.3
60°	694.3	700.8	702.2	704.7	702.6	701.8	697.1	695.3	690.8	689.9	686.6
62.5°	629.2	632.5	632.5	632.5	629.8	627.2	621.8	619.1	615.1	614.4	612.4
65°	574.8	578.3	578.9	579.5	577.6	575.6	570.9	567.8	563.8	562.3	560.1
67.5°	518.6	522.3	523.6	525.5	524.4	524.0	520.8	519.6	516.9	516.3	514.3
70°	474.6	476.2	476.1	476.0	473.5	471.2	467.6	465.8	463.0	462.4	460.7
72.5°	448.4	449.5	448.8	447.9	444.6	441.3	437.0	433.8	430.1	427.9	425.3
75°	411.5	413.0	412.0	411.4	408.5	406.4	402.9	401.1	398.5	397.8	396.1
77.5°	366.2	366.9	365.4	365.3	363.0	361.7	359.1	358.6	356.7	356.7	355.1
80°	315.8	315.3	313.0	312.5	310.3	309.7	307.7	307.9	306.3	307.0	305.7
82.5°	259.9	258.4	255.3	254.3	251.8	251.6	250.3	251.3	250.5	251.8	251.0
85°	186.2	186.6	185.2	185.2	184.5	184.7	184.6	185.5	185.6	186.8	186.7
87.5°	103.8	105.3	105.0	106.4	106.3	107.8	108.4	110.6	110.9	113.1	113.1
90°	61.0	61.5	59.2	59.9	58.9	60.4	59.7	61.3	60.4	61.6	60.2
92.5°	55.8	52.0	48.3	44.4	42.5	40.5	38.8	36.7	34.9	33.0	31.0
95°	70.4	64.0	57.6	51.2	49.0	46.7	44.5	42.4	40.1	38.0	35.8
97.5°	79.4	71.8	64.3	56.7	54.8	52.9	50.9	49.1	47.1	45.3	43.3
100°	108.7	94.5	80.6	66.3	64.7	63.1	61.5	59.9	58.3	56.7	55.1
102.5°	227.8	197.8	167.7	137.8	132.1	126.4	120.7	114.9	109.3	103.6	97.8
105°	432.5	383.8	335.2	286.5	271.1	255.7	240.2	224.8	209.3	193.9	178.4
107.5°	658.2	608.8	559.6	510.2	481.8	453.2	424.7	396.0	367.6	338.9	310.4
110°	784.6	748.5	712.5	676.4	653.5	630.5	607.5	584.5	561.6	538.5	515.5



TEST NUMBER: P1444509  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L835-UPL24

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	805.2	779.4	753.5	727.6	717.2	706.8	696.4	685.9	675.4	664.9	654.5
115°	754.2	736.8	719.3	701.6	698.0	694.3	690.7	686.9	683.2	679.4	675.6
117.5°	673.0	663.1	653.2	643.3	643.8	644.5	645.0	645.6	646.0	646.4	646.9
120°	588.8	584.5	580.3	575.9	579.1	582.1	585.2	588.2	591.3	594.2	597.2
122.5°	519.3	517.5	515.8	514.0	517.8	521.5	525.1	528.8	532.4	535.9	539.4
125°	464.5	463.5	462.6	461.4	465.3	469.0	472.7	476.4	480.1	483.5	487.1
127.5°	427.4	426.9	426.6	426.1	428.9	431.4	434.0	436.4	439.1	441.5	443.8
130°	400.8	400.1	399.6	398.9	401.2	403.6	406.0	408.1	410.4	412.5	414.6
132.5°	383.2	382.3	381.6	380.9	382.6	384.2	385.8	387.2	388.8	390.1	391.4
135°	368.3	367.2	366.4	365.4	367.0	368.5	369.9	371.3	372.6	373.8	375.0
137.5°	355.4	354.4	353.4	352.6	353.9	355.3	356.5	357.7	358.9	360.0	361.0
140°	344.1	343.0	342.0	340.8	342.0	343.1	344.3	345.4	346.4	347.3	348.3
142.5°	333.3	331.8	330.5	329.0	329.9	330.6	331.4	332.2	333.1	333.7	334.3
145°	325.9	324.1	322.6	320.8	321.6	322.2	322.9	323.5	324.0	324.3	324.9
147.5°	318.8	317.2	315.6	314.1	314.6	315.0	315.4	315.8	316.3	316.6	316.9
150°	311.9	310.3	308.6	307.0	307.4	307.8	308.1	308.5	308.8	309.1	309.4
152.5°	304.6	303.0	301.5	299.9	300.2	300.5	300.8	301.1	301.4	301.6	301.8
155°	299.5	298.2	296.9	295.4	295.8	296.0	296.2	296.5	296.7	296.9	297.0
157.5°	297.0	295.8	295.0	293.8	293.9	294.0	294.1	294.0	294.1	294.1	294.1
160°	295.0	294.1	293.2	292.2	292.2	292.3	292.3	292.3	292.3	292.2	292.2
162.5°	293.7	292.6	291.7	290.5	290.6	290.6	290.7	290.6	290.7	290.5	290.5
165°	293.6	292.9	292.1	291.4	291.3	291.2	291.1	290.9	290.8	290.5	290.4
167.5°	294.3	293.5	292.7	291.9	292.0	292.0	292.1	292.0	292.1	292.0	292.0
170°	295.3	294.7	294.1	293.4	293.3	293.3	293.1	293.0	292.9	292.7	292.6
172.5°	296.3	295.7	295.2	294.4	294.4	294.4	294.3	294.2	294.0	293.9	293.9
175°	295.2	294.9	294.3	293.9	293.8	293.8	293.7	293.7	293.6	293.5	293.4
177.5°	296.5	296.2	295.8	295.5	295.5	295.5	295.4	295.3	295.3	295.3	295.2
180°	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9



TEST NUMBER: P1444509  
CATALOG NUMBER: EHBR1-18-UNV-TA-L835-UPL24

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	15340.5	15340.5
2.5°	15399.9	15399.1
5°	15457.2	15456.2
7.5°	15500.7	15500.4
10°	15505.9	15508.5
12.5°	15474.9	15477.1
15°	15384.6	15388.7
17.5°	15211.8	15217.3
20°	14914.3	14920.0
22.5°	14432.4	14434.7
25°	13731.8	13721.8
27.5°	12776.6	12759.5
30°	11562.4	11545.9
32.5°	10114.7	10104.4
35°	8485.1	8478.6
37.5°	6769.5	6756.1
40°	5103.9	5065.1
42.5°	3643.1	3575.0
45°	2517.6	2436.9
47.5°	1757.5	1707.7
50°	1332.2	1316.1
52.5°	1085.5	1081.7
55°	915.9	914.3
57.5°	788.5	787.9
60°	688.3	688.1
62.5°	613.7	614.0
65°	561.1	561.2
67.5°	514.8	514.5
70°	461.3	461.0
72.5°	424.5	423.8
75°	396.1	395.6
77.5°	355.6	355.0
80°	306.6	305.7
82.5°	252.1	251.2
85°	188.1	188.1
87.5°	115.1	115.0
90°	61.3	59.6
92.5°	29.3	27.4
95°	33.6	31.4
97.5°	41.5	39.6
100°	53.5	51.9
102.5°	92.2	86.5
105°	163.0	147.6
107.5°	281.8	253.3
110°	492.5	469.5



TEST NUMBER: P1444509  
CATALOG NUMBER: EHBR1-18-UNV-TA-L835-UPL24

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	643.9	633.5
115°	671.8	668.0
117.5°	647.3	647.7
120°	599.9	602.8
122.5°	542.8	546.3
125°	490.5	493.9
127.5°	446.0	448.3
130°	416.4	418.4
132.5°	392.6	393.8
135°	376.0	377.1
137.5°	362.0	362.7
140°	349.0	349.7
142.5°	334.8	335.3
145°	325.2	325.6
147.5°	316.9	317.2
150°	309.5	309.7
152.5°	301.8	302.0
155°	297.1	297.2
157.5°	293.9	293.9
160°	292.1	292.0
162.5°	290.3	290.4
165°	290.1	289.8
167.5°	291.9	292.0
170°	292.4	292.3
172.5°	293.7	293.6
175°	293.3	293.3
177.5°	295.2	295.2
180°	296.9	296.9

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-3

Test Date: 07/31/2025

Luminaire Tested: EHBR-60-L835-N

Data in this report applies to families of products including EHBR-60-L835-N

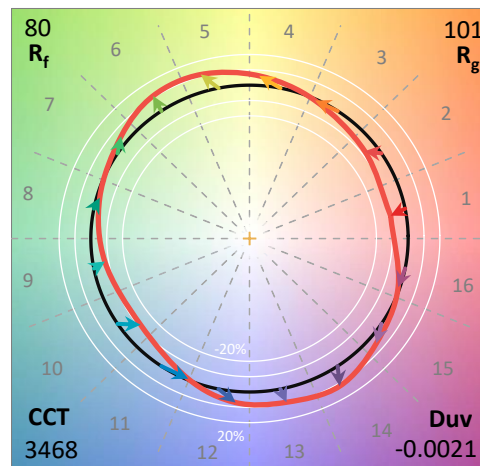
**Test Information**

Test Method: LM-79-2019  
 Report Number: SP1-2506-472-3  
 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-L835-N**  
 Description: Elevate Round Highbay at, 60000 lumens, 3500K 80CRI LEDs with N lens

**Spectral Parameters**

CCT (K): 3468  
 CIE u': 0.2375  
 CIE v': 0.5091  
 Duv: -0.0021  
 CIE x: 0.4049  
 CIE y: 0.3856  
 CIE z: 0.2095  
 Peak Wavelength (nm): 630  
 Dominant Wavelength (nm): 581  
 Purity: 37.24544  
 Rf: 80.1  
 Rg: 101

CRI (Ra):	82.1		
R1:	82.9	R9:	27.6
R2:	85.6	R10:	63.8
R3:	85.9	R11:	81.2
R4:	82.8	R12:	57.2
R5:	81.0	R13:	82.6
R6:	79.7	R14:	91.0
R7:	86.5	R15:	79.4
R8:	72.1		



**Test Conditions**

Stabilization Time: 39M  
 Operation Time: 1H 39M  
 Sphere Temperature (°C): 25.0

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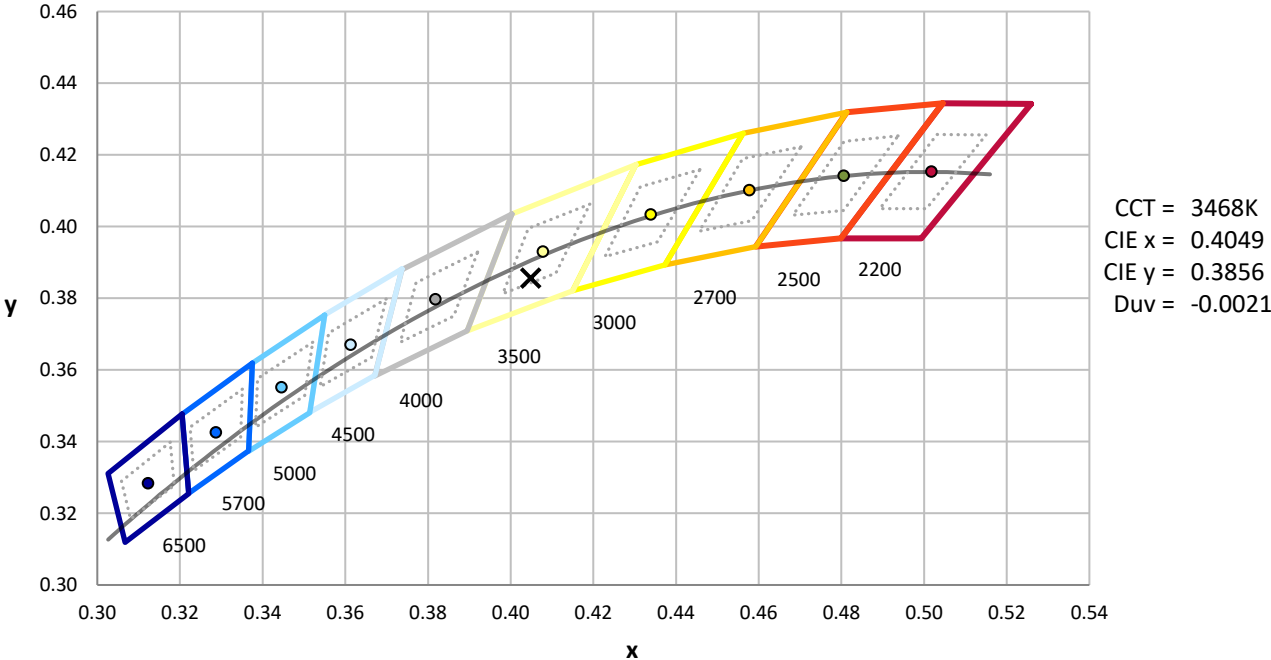
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208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

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**CIE 1931 Chromaticity Diagram**



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



Point lies inside the ANSI 3500K 4-step quadrangle

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**Photopic Flux vs. Wavelength**

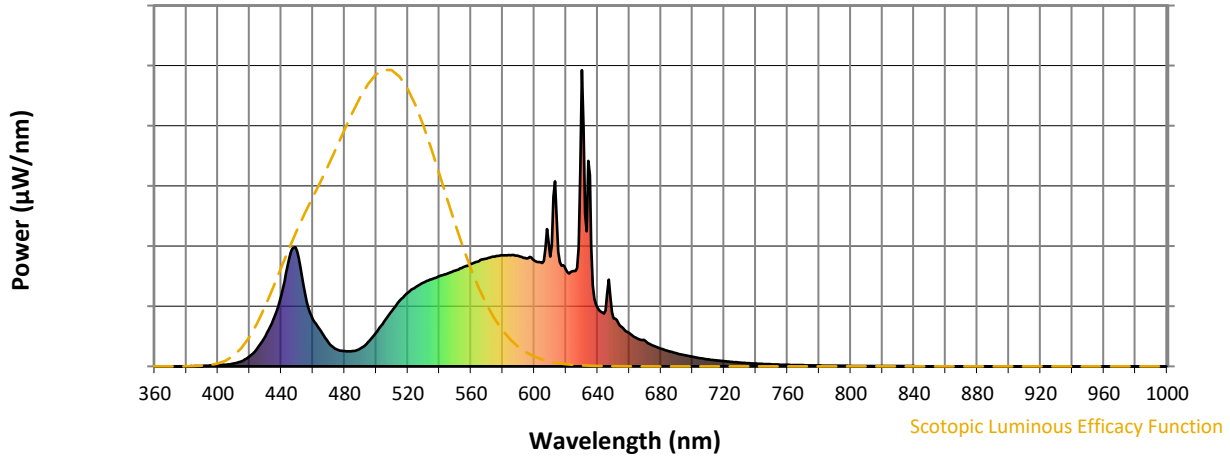


**Photopic Lumens: NR**

$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)
360	0	NR	490	60	NR	620	327	NR	750	7	NR	880	0	NR
365	0	NR	495	82	NR	625	322	NR	755	6	NR	885	0	NR
370	0	NR	500	114	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	152	NR	635	645	NR	765	4	NR	895	0	NR
380	0	NR	510	189	NR	640	197	NR	770	4	NR	900	0	NR
385	1	NR	515	222	NR	645	189	NR	775	3	NR	905	0	NR
390	2	NR	520	248	NR	650	163	NR	780	3	NR	910	0	NR
395	3	NR	525	268	NR	655	134	NR	785	2	NR	915	0	NR
400	4	NR	530	283	NR	660	113	NR	790	2	NR	920	0	NR
405	6	NR	535	294	NR	665	94	NR	795	2	NR	925	0	NR
410	9	NR	540	305	NR	670	87	NR	800	2	NR	930	0	NR
415	18	NR	545	314	NR	675	70	NR	805	1	NR	935	0	NR
420	34	NR	550	323	NR	680	60	NR	810	1	NR	940	0	NR
425	62	NR	555	335	NR	685	51	NR	815	1	NR	945	0	NR
430	102	NR	560	346	NR	690	44	NR	820	1	NR	950	0	NR
435	159	NR	565	356	NR	695	38	NR	825	1	NR	955	0	NR
440	241	NR	570	364	NR	700	32	NR	830	1	NR	960	0	NR
445	363	NR	575	371	NR	705	28	NR	835	1	NR	965	0	NR
450	389	NR	580	375	NR	710	24	NR	840	1	NR	970	0	NR
455	245	NR	585	375	NR	715	20	NR	845	0	NR	975	0	NR
460	158	NR	590	373	NR	720	17	NR	850	0	NR	980	0	NR
465	120	NR	595	364	NR	725	15	NR	855	0	NR	985	0	NR
470	79	NR	600	357	NR	730	13	NR	860	0	NR	990	0	NR
475	57	NR	605	349	NR	735	11	NR	865	0	NR	995	0	NR
480	51	NR	610	371	NR	740	9	NR	870	0	NR	1000	0	NR
485	51	NR	615	387	NR	745	8	NR	875	0	NR			

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**Scotopic Flux vs. Wavelength**



**Scotopic Lumens: NR**

**S/P: 1.43**

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	327	NR	750	7	NR	880	0	NR
365	0	NR	495	82	NR	625	322	NR	755	6	NR	885	0	NR
370	0	NR	500	114	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	152	NR	635	645	NR	765	4	NR	895	0	NR
380	0	NR	510	189	NR	640	197	NR	770	4	NR	900	0	NR
385	1	NR	515	222	NR	645	189	NR	775	3	NR	905	0	NR
390	2	NR	520	248	NR	650	163	NR	780	3	NR	910	0	NR
395	3	NR	525	268	NR	655	134	NR	785	2	NR	915	0	NR
400	4	NR	530	283	NR	660	113	NR	790	2	NR	920	0	NR
405	6	NR	535	294	NR	665	94	NR	795	2	NR	925	0	NR
410	9	NR	540	305	NR	670	87	NR	800	2	NR	930	0	NR
415	18	NR	545	314	NR	675	70	NR	805	1	NR	935	0	NR
420	34	NR	550	323	NR	680	60	NR	810	1	NR	940	0	NR
425	62	NR	555	335	NR	685	51	NR	815	1	NR	945	0	NR
430	102	NR	560	346	NR	690	44	NR	820	1	NR	950	0	NR
435	159	NR	565	356	NR	695	38	NR	825	1	NR	955	0	NR
440	241	NR	570	364	NR	700	32	NR	830	1	NR	960	0	NR
445	363	NR	575	371	NR	705	28	NR	835	1	NR	965	0	NR
450	389	NR	580	375	NR	710	24	NR	840	1	NR	970	0	NR
455	245	NR	585	375	NR	715	20	NR	845	0	NR	975	0	NR
460	158	NR	590	373	NR	720	17	NR	850	0	NR	980	0	NR
465	120	NR	595	364	NR	725	15	NR	855	0	NR	985	0	NR
470	79	NR	600	357	NR	730	13	NR	860	0	NR	990	0	NR
475	57	NR	605	349	NR	735	11	NR	865	0	NR	995	0	NR
480	51	NR	610	371	NR	740	9	NR	870	0	NR	1000	0	NR
485	51	NR	615	387	NR	745	8	NR	875	0	NR			

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**Melanopic Flux vs. Wavelength**



**Melanopic Lumens: NR**

**M/P: 2.75**

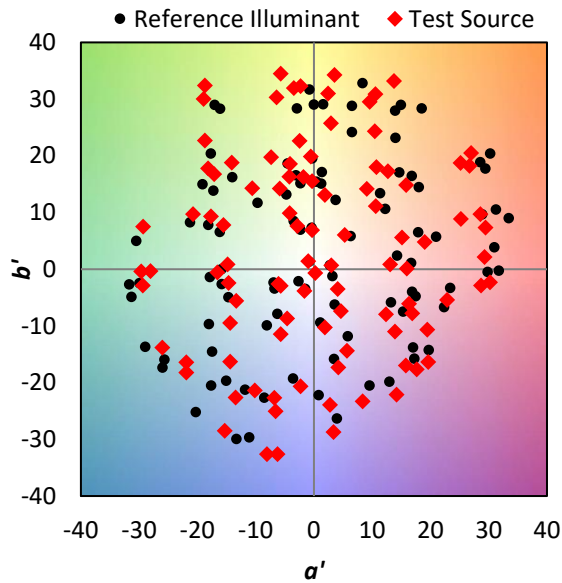
$\lambda$ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens ( $\phi/\text{nm}$ )	$\lambda$ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens ( $\phi/\text{nm}$ )	$\lambda$ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens ( $\phi/\text{nm}$ )	$\lambda$ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens ( $\phi/\text{nm}$ )	$\lambda$ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens ( $\phi/\text{nm}$ )
360	0	NR	490	60	NR	620	327	NR	750	7	NR	880	0	NR
365	0	NR	495	82	NR	625	322	NR	755	6	NR	885	0	NR
370	0	NR	500	114	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	152	NR	635	645	NR	765	4	NR	895	0	NR
380	0	NR	510	189	NR	640	197	NR	770	4	NR	900	0	NR
385	1	NR	515	222	NR	645	189	NR	775	3	NR	905	0	NR
390	2	NR	520	248	NR	650	163	NR	780	3	NR	910	0	NR
395	3	NR	525	268	NR	655	134	NR	785	2	NR	915	0	NR
400	4	NR	530	283	NR	660	113	NR	790	2	NR	920	0	NR
405	6	NR	535	294	NR	665	94	NR	795	2	NR	925	0	NR
410	9	NR	540	305	NR	670	87	NR	800	2	NR	930	0	NR
415	18	NR	545	314	NR	675	70	NR	805	1	NR	935	0	NR
420	34	NR	550	323	NR	680	60	NR	810	1	NR	940	0	NR
425	62	NR	555	335	NR	685	51	NR	815	1	NR	945	0	NR
430	102	NR	560	346	NR	690	44	NR	820	1	NR	950	0	NR
435	159	NR	565	356	NR	695	38	NR	825	1	NR	955	0	NR
440	241	NR	570	364	NR	700	32	NR	830	1	NR	960	0	NR
445	363	NR	575	371	NR	705	28	NR	835	1	NR	965	0	NR
450	389	NR	580	375	NR	710	24	NR	840	1	NR	970	0	NR
455	245	NR	585	375	NR	715	20	NR	845	0	NR	975	0	NR
460	158	NR	590	373	NR	720	17	NR	850	0	NR	980	0	NR
465	120	NR	595	364	NR	725	15	NR	855	0	NR	985	0	NR
470	79	NR	600	357	NR	730	13	NR	860	0	NR	990	0	NR
475	57	NR	605	349	NR	735	11	NR	865	0	NR	995	0	NR
480	51	NR	610	371	NR	740	9	NR	870	0	NR	1000	0	NR
485	51	NR	615	387	NR	745	8	NR	875	0	NR			

**Summary**

$R_f = 80.1$   
 $R_g = 101$   
 $CIE R_a = 82.1$   
 $R_9 = 27.6$

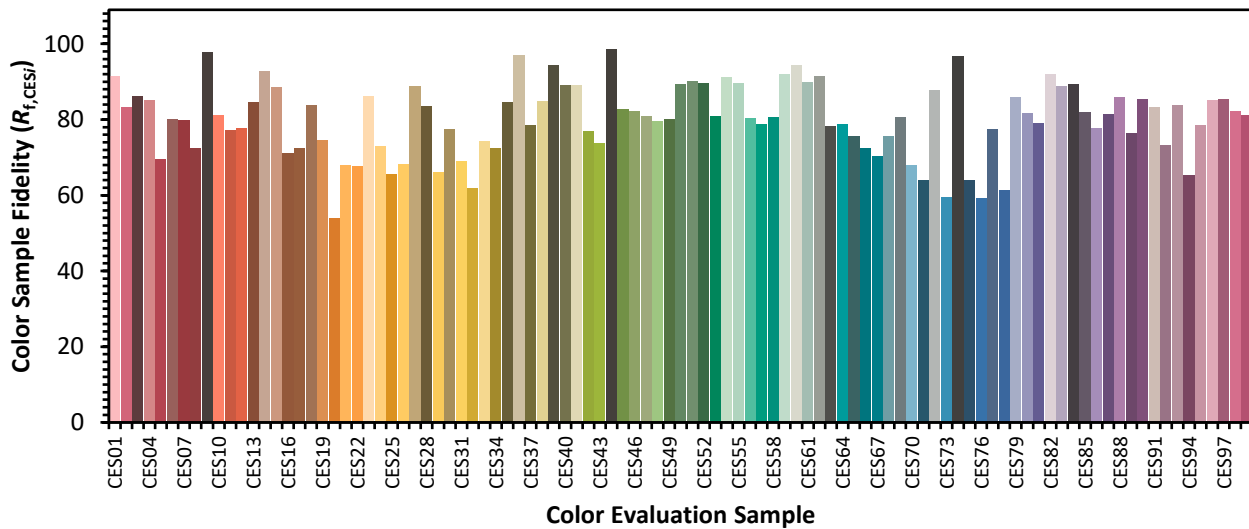


**Color Vector Graphics**

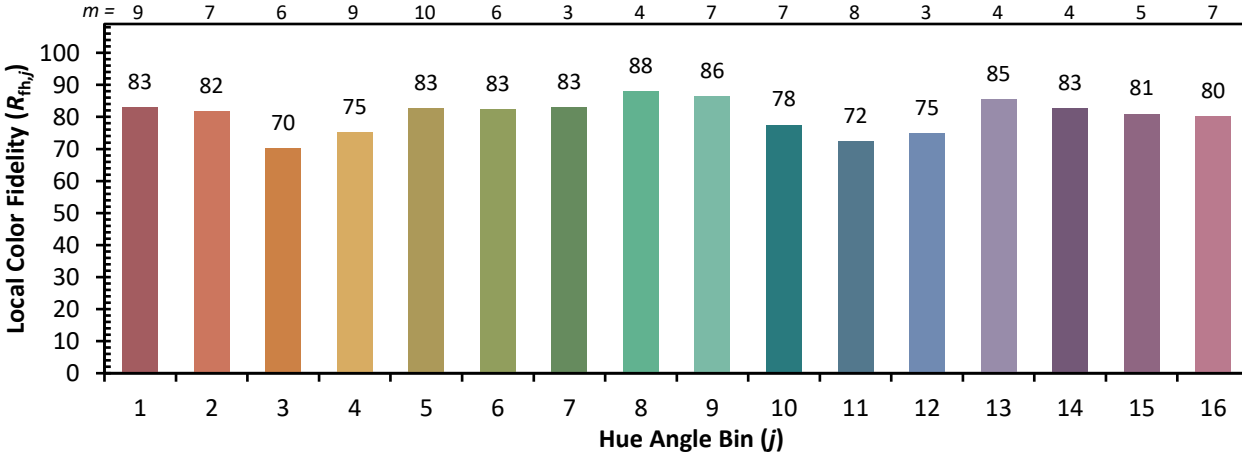


**Individual Sample Fidelity Index ( $R_{f,i}$ )**

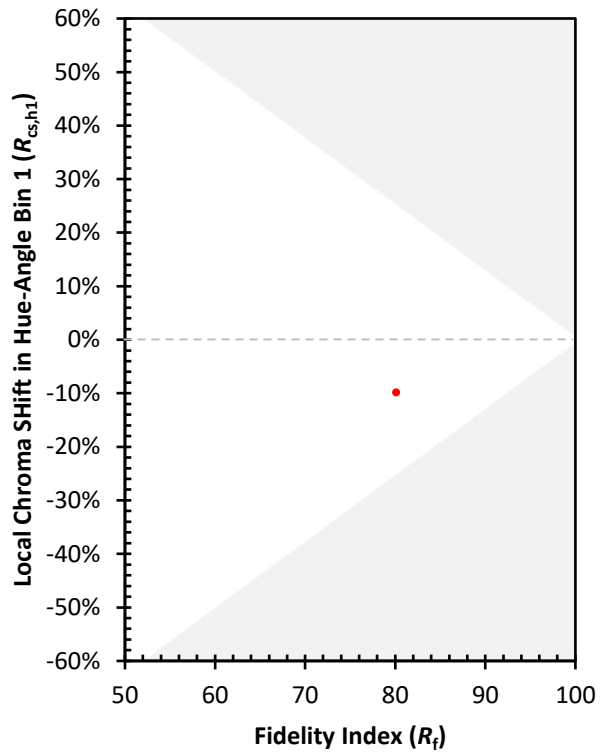
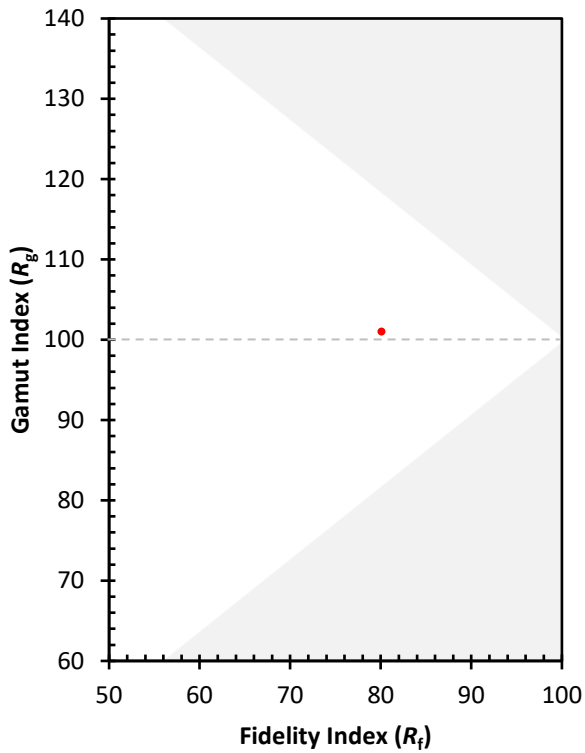
CES01 = 86	CES26 = 68	CES51 = 90	CES76 = 59
CES02 = 62	CES27 = 89	CES52 = 90	CES77 = 78
CES03 = 31	CES28 = 84	CES53 = 81	CES78 = 61
CES04 = 70	CES29 = 66	CES54 = 91	CES79 = 86
CES05 = 49	CES30 = 77	CES55 = 90	CES80 = 82
CES06 = 51	CES31 = 69	CES56 = 80	CES81 = 79
CES07 = 42	CES32 = 62	CES57 = 79	CES82 = 92
CES08 = 41	CES33 = 74	CES58 = 81	CES83 = 89
CES09 = 29	CES34 = 72	CES59 = 92	CES84 = 89
CES10 = 75	CES35 = 85	CES60 = 94	CES85 = 82
CES11 = 58	CES36 = 97	CES61 = 90	CES86 = 78
CES12 = 64	CES37 = 79	CES62 = 92	CES87 = 82
CES13 = 43	CES38 = 85	CES63 = 78	CES88 = 86
CES14 = 74	CES39 = 94	CES64 = 79	CES89 = 76
CES15 = 71	CES40 = 89	CES65 = 76	CES90 = 85
CES16 = 47	CES41 = 89	CES66 = 73	CES91 = 83
CES17 = 49	CES42 = 77	CES67 = 70	CES92 = 73
CES18 = 56	CES43 = 74	CES68 = 76	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 81	CES94 = 65
CES20 = 66	CES45 = 83	CES70 = 68	CES95 = 79
CES21 = 86	CES46 = 82	CES71 = 64	CES96 = 85
CES22 = 78	CES47 = 81	CES72 = 88	CES97 = 85
CES23 = 92	CES48 = 80	CES73 = 60	CES98 = 82
CES24 = 91	CES49 = 80	CES74 = 97	CES99 = 81
CES25 = 72	CES50 = 89	CES75 = 64	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)