

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: P1444578

Luminaire Tested: EHBR1-18-UNV-TA-L850-UPL12

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444578
REPORT IS A COMBINATION OF REPORTS P1444301 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-18-UNV-TA-L850-UPL12
Description: Elevate Round Highbay at, 18000 lumens, 5000K 80CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

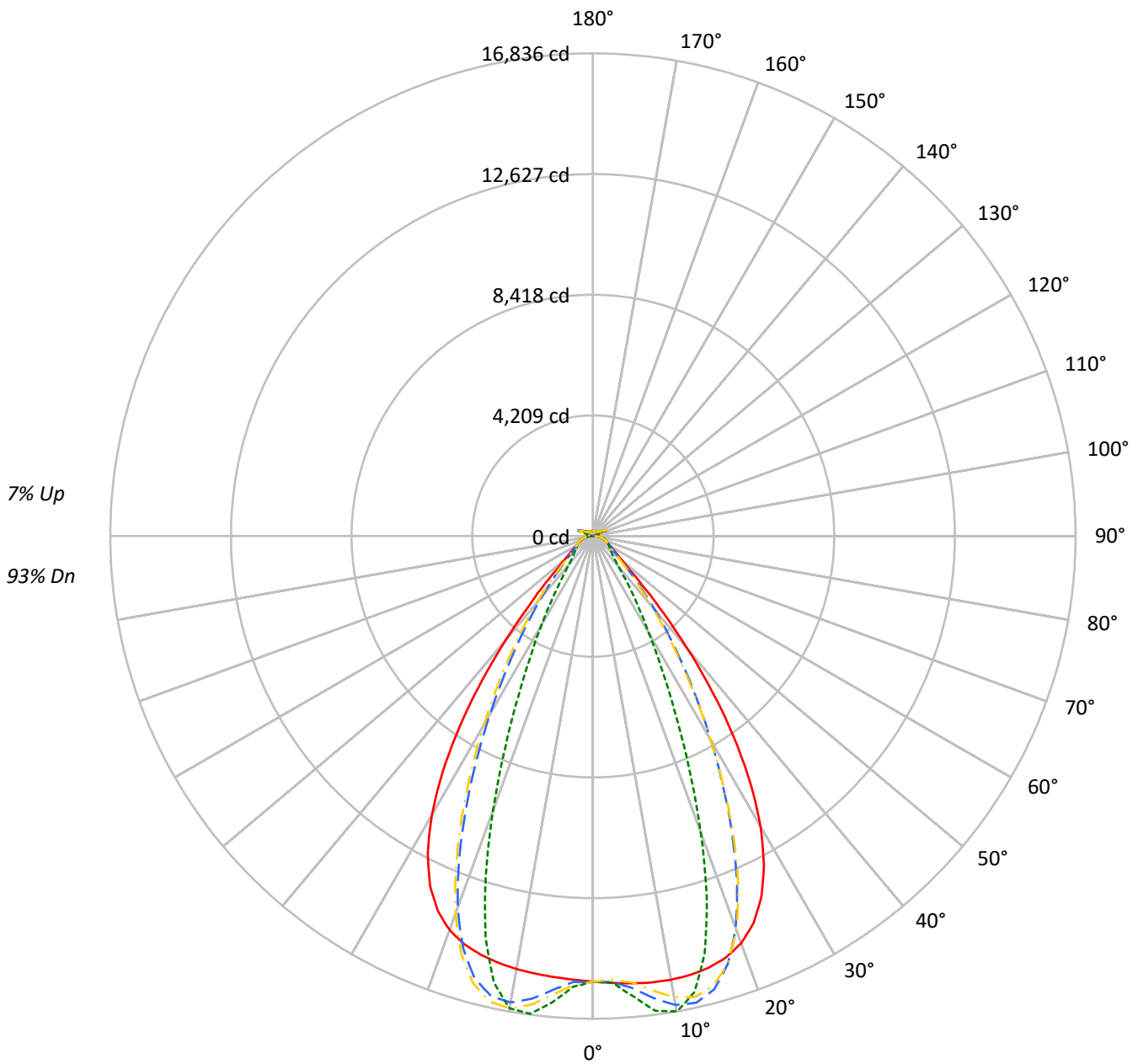
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19180.0 lumens
Efficiency: N/A
Efficacy: 187.9 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): 102.1
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

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93
1	110	107	104	101	107	104	101	99	99	96	94	94	92	90	89	88	87	87	87	87	84
2	103	98	93	89	101	95	91	87	91	87	84	87	84	81	83	81	79	79	79	79	76
3	97	90	84	79	94	88	82	78	84	79	76	80	77	74	77	74	72	72	72	72	70
4	91	83	76	71	89	81	75	70	78	73	69	75	71	67	72	69	66	66	66	66	64
5	86	76	70	65	84	75	69	64	72	67	63	70	65	62	68	64	61	61	61	61	59
6	81	71	64	59	79	70	63	59	68	62	58	65	61	57	63	59	56	56	56	56	54
7	77	66	59	55	75	65	59	54	63	58	54	61	56	53	60	55	52	52	52	52	50
8	73	62	55	51	71	61	55	50	59	54	50	58	53	49	56	52	49	49	49	49	47
9	69	58	52	47	67	57	51	47	56	50	46	54	49	46	53	49	45	45	45	45	44
10	65	55	48	44	64	54	48	44	53	47	43	51	46	43	50	46	43	43	43	43	41

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	72981	72981	72981	72981
5°	73334	75473	72308	76461
10°	73947	79241	72173	78716
15°	74309	71831	72047	68939
20°	73541	53512	71134	49511
25°	69609	33843	67309	30707
30°	60809	20337	58454	18586
35°	46799	12762	44107	11305
40°	29604	8005	27085	7522
45°	15259	6236	15006	6134
50°	8946	5547	8672	5460
55°	6854	5248	6600	5201
60°	5799	5361	5553	5291
65°	5447	5599	5238	5407
70°	5322	5862	5057	5643
75°	5690	6218	5383	5942
80°	5887	6885	5338	6284
85°	5546	6642	4481	5688

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 23351 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1531.6	8.0
10°-20°	4308.5	22.5
20°-30°	4907.0	25.6
30°-40°	3526.9	18.4
40°-50°	1626.6	8.5
50°-60°	778.4	4.1
60°-70°	568.0	3.0
70°-80°	431.5	2.2
80°-90°	198.4	1.0
90°-100°	37.6	0.2
100°-110°	211.6	1.1
110°-120°	390.8	2.0
120°-130°	240.3	1.3
130°-140°	156.1	0.8
140°-150°	117.0	0.6
150°-160°	82.4	0.4
160°-170°	50.1	0.3
170°-180°	17.2	0.1
0°-30°	10747.1	56.0
0°-40°	14274.0	74.4
0°-60°	16679.1	87.0
0°-90°	17876.9	93.2
90°-120°	640.0	3.3
90°-150°	1153.4	6.0
90°-180°	1303.0	6.8
0°-180°	19180.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	15541	15541	15541	15541	15541	
5°	15658	16115	15439	16326	15658	1496
15°	15590	15070	15115	14463	15590	4392
25°	13901	6758	13442	6132	13901	6302
35°	8589	2342	8095	2075	8589	5271
45°	2469	1009	2428	992	2469	2100
55°	926	709	892	703	926	855
65°	568	584	547	564	568	568
75°	401	438	379	419	401	417
85°	191	228	154	196	191	179
90°	52	65	15	18	52	32
95°	17	19	17	19	17	16
105°	77	98	52	99	77	101
115°	341	413	358	413	341	315
125°	258	269	292	270	258	235
135°	206	181	221	182	206	160
145°	185	178	196	180	185	117
155°	174	174	185	176	174	81
165°	175	174	181	175	175	50
175°	180	181	183	182	180	17
180°	182	182	182	182	182	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7
2.5°	15600.2	15598.9	15598.7	15597.6	15597.3	15597.3	15596.7	15595.4	15594.7	15592.9	15590.9
5°	15658.0	15657.3	15657.7	15657.8	15656.7	15654.4	15650.5	15645.8	15640.0	15634.4	15629.5
7.5°	15702.8	15703.9	15705.3	15705.0	15701.5	15695.8	15688.1	15683.7	15686.3	15694.7	15714.1
10°	15711.0	15717.6	15720.2	15719.4	15712.6	15707.7	15709.7	15726.1	15758.9	15802.6	15862.4
12.5°	15679.1	15687.3	15687.0	15684.3	15677.8	15684.4	15708.3	15757.2	15827.6	15913.8	16014.9
15°	15589.6	15600.3	15597.3	15593.8	15589.3	15611.4	15659.0	15744.1	15852.6	15974.2	16098.7
17.5°	15416.0	15428.8	15422.6	15418.6	15414.9	15456.1	15537.9	15662.5	15799.2	15936.8	16054.7
20°	15114.8	15123.4	15108.5	15101.5	15107.4	15188.1	15308.6	15467.7	15611.8	15741.9	15822.5
22.5°	14623.2	14633.9	14606.1	14602.8	14637.1	14760.9	14913.4	15091.4	15226.8	15329.8	15360.9
25°	13900.9	13911.4	13878.4	13898.2	13956.5	14125.1	14306.8	14497.2	14612.6	14689.0	14667.9
27.5°	12926.1	12935.6	12904.3	12944.7	13037.0	13258.5	13472.2	13678.7	13781.7	13835.2	13767.4
30°	11696.6	11716.4	11679.4	11735.7	11876.6	12164.2	12409.1	12640.6	12743.3	12784.1	12678.6
32.5°	10236.3	10264.6	10223.8	10307.4	10504.1	10849.6	11127.8	11386.6	11500.0	11546.6	11427.3
35°	8589.2	8629.8	8583.1	8708.7	8951.2	9335.9	9644.0	9932.9	10067.3	10133.2	10013.2
37.5°	6844.3	6883.0	6857.7	7025.4	7291.6	7690.4	8004.9	8316.5	8468.3	8567.2	8472.5
40°	5131.2	5166.6	5185.7	5377.5	5628.0	6003.8	6305.9	6614.2	6784.0	6908.2	6849.7
42.5°	3621.7	3657.3	3722.4	3907.5	4116.3	4427.4	4686.3	4963.1	5125.3	5257.7	5235.2
45°	2468.8	2510.2	2591.8	2743.3	2894.4	3117.7	3307.6	3522.9	3655.5	3776.8	3778.1
47.5°	1730.0	1759.1	1832.0	1935.5	2034.0	2313.4	2324.9	2430.6	2519.7	2610.4	2622.2
50°	1333.2	1350.8	1389.5	1447.2	1503.0	1575.5	1641.9	1718.6	1773.4	1823.1	1835.0
52.5°	1095.8	1107.0	1126.7	1157.9	1190.3	1229.7	1265.3	1307.4	1337.2	1363.8	1369.4
55°	926.2	935.4	964.7	970.7	1007.7	1014.8	1030.6	1056.2	1073.6	1089.5	1093.5
57.5°	798.2	804.9	811.1	824.3	835.8	852.3	865.7	884.1	895.1	906.5	907.5
60°	697.1	701.9	706.5	715.6	723.4	734.9	744.2	756.6	764.5	773.2	774.1
62.5°	622.0	625.4	628.4	634.5	640.1	648.9	656.2	666.6	673.9	680.6	682.1
65°	568.5	571.1	573.0	577.6	582.4	590.0	596.5	605.1	610.5	615.6	616.7
67.5°	521.2	523.7	525.5	529.7	533.1	538.8	543.2	549.6	553.6	557.7	557.8
70°	467.0	469.1	470.7	474.6	477.3	482.1	485.7	491.4	495.7	500.2	501.4
72.5°	429.4	430.7	432.7	436.3	440.1	445.2	450.0	456.0	461.0	465.7	467.8
75°	400.8	402.3	403.7	406.8	409.3	413.7	417.3	422.8	427.1	432.2	434.7
77.5°	359.6	361.4	362.5	365.6	367.8	372.0	374.6	379.6	383.1	387.7	390.0
80°	309.7	311.4	312.3	315.1	316.9	320.7	323.4	328.1	331.0	335.6	338.4
82.5°	254.5	256.1	256.6	259.3	260.3	263.4	265.3	270.2	273.9	279.9	284.0
85°	190.6	191.2	192.0	191.3	195.3	195.5	199.9	200.7	206.4	207.9	214.5
87.5°	116.5	118.3	119.2	121.8	122.9	125.5	126.3	129.2	130.7	134.0	135.5
90°	51.7	54.5	55.6	58.8	59.8	62.8	63.7	66.9	68.0	71.4	72.9
92.5°	15.1	16.1	17.0	18.2	19.2	20.3	21.5	22.6	23.6	24.9	26.7
95°	17.2	18.3	19.4	20.4	21.5	22.7	23.8	24.9	25.9	27.0	30.2
97.5°	21.4	22.4	23.3	24.3	25.2	26.1	27.1	28.1	29.0	30.0	33.8
100°	27.8	28.6	29.4	30.3	31.0	31.8	32.6	33.5	34.3	35.1	42.0
102.5°	45.6	48.4	51.3	54.1	57.0	59.8	62.8	65.5	68.4	71.2	86.2
105°	76.7	84.4	92.2	99.9	107.7	115.5	123.3	130.9	138.7	146.4	170.8
107.5°	130.3	144.6	159.0	173.4	187.7	202.2	216.5	230.7	245.2	259.4	284.3
110°	239.9	251.4	263.0	274.4	286.0	297.5	309.0	320.4	332.0	343.5	361.6



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	323.2	328.4	333.5	338.8	344.0	349.1	354.3	359.5	364.6	369.7	382.7
115°	341.4	343.2	345.1	346.7	348.6	350.4	352.1	353.8	355.7	357.3	366.0
117.5°	332.2	331.8	331.5	331.1	330.6	330.3	329.9	329.5	329.0	328.6	333.5
120°	310.8	309.1	307.6	305.8	304.1	302.3	300.7	299.0	297.2	295.4	297.4
122.5°	283.6	281.5	279.7	277.6	275.5	273.6	271.5	269.3	267.3	265.2	265.8
125°	258.5	256.5	254.6	252.4	250.4	248.3	246.3	244.1	241.9	239.8	240.1
127.5°	237.0	235.6	234.2	232.6	231.1	229.5	227.9	226.3	224.7	223.0	223.1
130°	223.5	222.2	220.8	219.4	218.1	216.6	215.0	213.5	212.1	210.5	210.6
132.5°	212.6	211.7	210.7	209.7	208.6	207.4	206.3	205.0	203.9	202.6	202.7
135°	205.7	204.7	203.9	202.9	202.0	200.8	199.7	198.5	197.3	196.2	196.4
137.5°	199.9	199.2	198.4	197.3	196.5	195.3	194.4	193.1	192.1	191.0	191.2
140°	194.7	194.0	193.2	192.3	191.4	190.6	189.5	188.5	187.4	186.3	186.6
142.5°	188.7	188.0	187.4	186.7	186.0	185.2	184.3	183.4	182.6	181.6	182.1
145°	184.9	184.4	183.9	183.2	182.5	181.8	181.1	180.1	179.6	178.8	179.3
147.5°	181.7	181.2	180.8	180.2	179.9	179.1	178.5	177.7	177.2	176.4	176.9
150°	178.9	178.4	178.1	177.6	177.0	176.4	175.8	175.1	174.6	173.9	174.4
152.5°	175.7	175.2	174.9	174.5	174.0	173.3	172.9	172.2	171.7	171.0	171.4
155°	174.2	173.8	173.3	172.9	172.4	171.9	171.3	170.8	170.2	169.6	170.0
157.5°	173.5	173.1	172.7	172.3	172.0	171.5	171.0	170.6	170.2	169.7	169.9
160°	173.7	173.3	172.9	172.5	172.1	171.6	171.2	170.8	170.4	169.9	170.1
162.5°	174.0	173.5	173.1	172.8	172.4	171.9	171.5	171.2	170.8	170.3	170.5
165°	174.6	174.5	174.2	173.9	173.6	173.3	173.0	172.7	172.4	172.0	172.2
167.5°	176.8	176.4	176.2	175.8	175.5	175.2	174.8	174.5	174.4	173.9	174.1
170°	178.0	177.7	177.5	177.3	177.1	176.9	176.7	176.4	176.2	176.0	176.1
172.5°	179.3	179.0	178.9	178.8	178.6	178.4	178.3	178.1	178.0	177.7	178.0
175°	179.6	179.4	179.3	179.2	179.1	179.0	178.9	178.8	178.8	178.6	178.7
177.5°	180.8	180.7	180.7	180.7	180.7	180.6	180.6	180.5	180.4	180.4	180.4
180°	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7
2.5°	15589.3	15587.5	15584.9	15581.6	15578.7	15575.5	15567.7	15565.4	15568.0	15569.7	15573.3
5°	15626.4	15627.5	15628.0	15635.0	15641.1	15656.3	15775.9	15823.4	15860.2	15883.5	15918.9
7.5°	15738.1	15774.0	15809.6	15857.4	15898.6	15954.3	16163.5	16252.6	16315.8	16361.3	16417.3
10°	15927.4	16005.8	16079.3	16165.6	16239.6	16324.4	16519.2	16605.9	16660.6	16700.5	16737.7
12.5°	16118.0	16226.7	16325.1	16421.0	16501.2	16574.8	16643.2	16673.6	16676.1	16677.4	16657.7
15°	16217.3	16321.3	16407.9	16471.3	16518.5	16539.3	16421.4	16359.6	16281.4	16217.0	16111.0
17.5°	16154.7	16217.0	16254.4	16250.7	16231.3	16166.0	15832.2	15648.5	15466.1	15301.8	15086.3
20°	15876.1	15871.3	15838.7	15746.5	15635.4	15462.6	14890.1	14559.8	14240.4	13959.9	13619.7
22.5°	15357.7	15276.2	15162.5	14963.6	14742.8	14440.9	13620.5	13134.5	12690.0	12297.2	11857.3
25°	14606.8	14439.0	14229.3	13913.6	13570.4	13130.1	12118.9	11514.6	10980.7	10517.7	10010.1
27.5°	13645.6	13392.9	13085.5	12648.7	12183.7	11619.7	10498.5	9831.5	9258.6	8762.2	8221.9
30°	12507.7	12179.1	11782.2	11240.0	10679.1	10039.4	8902.3	8226.8	7646.7	7136.2	6595.4
32.5°	11221.8	10836.9	10371.9	9763.4	9156.7	8499.0	7400.9	6747.0	6192.9	5701.6	5212.3
35°	9803.6	9390.8	8898.8	8278.1	7675.1	7035.7	6028.0	5438.5	4949.1	4514.9	4119.8
37.5°	8282.3	7876.9	7409.3	6824.3	6265.2	5685.7	4816.3	4322.2	3911.6	3551.2	3246.1
40°	6700.5	6345.8	5941.2	5435.4	4958.2	4475.7	3762.0	3369.8	3045.8	2770.9	2542.3
42.5°	5138.1	4863.3	4553.0	4153.3	3788.2	3420.7	2871.4	2580.8	2340.8	2142.9	1981.3
45°	3727.9	3544.0	3335.9	3058.0	2805.4	2549.1	2158.2	1953.9	1797.7	1670.1	1562.2
47.5°	2606.0	2499.3	2492.8	2236.1	2050.8	1894.0	1642.2	1513.2	1417.4	1340.1	1271.9
50°	1830.1	1778.5	1714.4	1622.7	1536.8	1448.2	1294.7	1216.7	1160.7	1113.8	1070.7
52.5°	1368.1	1341.4	1307.2	1258.6	1212.0	1162.1	1065.1	1015.4	997.8	954.2	920.0
55°	1092.8	1077.4	1058.0	1029.4	1001.0	989.7	906.5	869.6	846.3	829.1	810.7
57.5°	907.7	896.2	884.7	865.4	849.0	829.1	784.9	766.0	752.1	742.0	729.2
60°	774.2	767.5	761.0	749.6	740.7	730.0	701.9	691.3	684.1	678.0	669.8
62.5°	683.4	679.8	676.5	670.5	666.0	660.2	640.9	635.8	632.2	629.1	624.2
65°	617.8	615.2	613.4	609.4	607.1	603.7	587.2	583.8	581.5	580.4	577.6
67.5°	558.1	555.5	554.3	551.5	550.5	548.4	534.9	533.0	532.2	532.6	531.5
70°	502.4	501.4	501.8	501.5	502.7	503.1	495.0	494.9	495.8	497.4	497.6
72.5°	469.0	469.0	469.6	469.9	471.1	471.7	464.9	464.6	465.0	466.3	466.3
75°	437.2	437.7	439.5	440.1	441.4	441.7	432.8	431.7	431.8	433.0	432.6
77.5°	393.2	395.1	398.4	400.1	402.9	403.4	393.3	392.1	392.1	393.4	392.3
80°	343.3	346.9	352.1	355.8	360.0	361.8	351.4	348.9	346.6	346.3	344.2
82.5°	290.3	294.7	301.0	304.2	308.7	309.8	292.4	289.2	287.2	287.4	285.5
85°	221.6	224.9	230.6	232.5	235.3	235.1	215.2	206.8	209.0	205.5	208.2
87.5°	139.0	141.0	144.5	145.0	146.3	146.0	126.1	122.2	121.0	121.1	119.6
90°	76.6	78.6	82.2	82.8	85.4	85.7	70.0	68.7	66.8	67.1	64.7
92.5°	28.9	30.7	32.9	34.9	37.0	39.0	39.2	40.6	38.7	36.5	34.7
95°	33.4	36.6	39.9	43.0	46.3	49.5	52.7	56.0	52.9	50.0	47.0
97.5°	37.6	41.5	45.2	48.9	52.7	56.6	60.4	64.2	61.0	57.7	54.4
100°	49.2	56.3	63.4	70.4	77.6	84.7	91.8	98.9	92.7	86.3	80.2
102.5°	101.4	116.4	131.4	146.6	161.6	176.6	191.8	207.0	192.5	178.2	163.7
105°	195.3	219.7	244.2	268.5	292.8	317.4	341.9	366.3	343.4	320.4	297.5
107.5°	308.9	333.8	358.4	383.1	407.8	432.6	457.6	482.4	460.0	437.5	415.3
110°	379.7	397.7	415.7	433.9	451.8	469.9	488.3	506.4	492.9	479.4	465.9



TEST NUMBER: P1444578
 CATALOG NUMBER: EHBR1-18-UNV-TA-L850-UPL12

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	395.6	408.5	421.4	434.2	446.9	459.8	473.3	486.2	479.5	472.6	465.8
115°	374.6	383.4	391.9	400.7	409.3	417.9	427.2	435.9	433.7	431.4	429.2
117.5°	338.2	343.0	347.8	352.6	357.3	362.2	367.7	372.7	372.9	373.2	373.5
120°	299.4	301.4	303.2	305.3	307.2	309.1	312.0	314.1	315.9	317.5	319.2
122.5°	266.6	267.2	267.9	268.6	269.1	269.7	271.6	272.5	273.6	274.6	275.8
125°	240.4	240.6	240.9	241.1	241.2	241.4	243.1	243.5	243.5	243.4	243.3
127.5°	223.0	222.9	222.8	222.8	222.6	222.5	223.9	224.1	223.2	222.2	221.3
130°	210.6	210.7	210.7	210.7	210.7	210.9	212.4	212.8	211.3	209.6	208.1
132.5°	202.8	202.9	202.9	203.1	203.2	203.3	205.0	205.5	203.7	202.1	200.3
135°	196.5	196.7	196.8	196.9	197.1	197.3	199.2	199.8	198.2	196.5	194.8
137.5°	191.2	191.4	191.5	191.7	191.9	192.1	194.2	194.8	193.5	192.0	190.8
140°	186.8	187.0	187.4	187.6	187.9	188.3	190.6	191.2	190.2	189.2	188.0
142.5°	182.4	182.9	183.3	183.8	184.3	184.8	187.4	188.3	187.5	186.6	185.8
145°	179.7	180.2	180.7	181.4	182.0	182.6	185.6	186.6	186.1	185.5	185.0
147.5°	177.2	177.8	178.3	178.8	179.4	180.1	183.1	184.3	183.9	183.5	183.2
150°	174.8	175.3	175.8	176.4	177.1	177.7	181.2	182.5	182.2	181.8	181.5
152.5°	171.8	172.3	172.8	173.3	173.8	174.5	178.6	180.0	179.7	179.3	179.2
155°	170.2	170.6	170.9	171.3	171.7	172.3	176.7	178.1	177.9	177.7	177.5
157.5°	170.1	170.3	170.4	170.8	171.0	171.3	176.0	177.5	177.2	177.0	176.9
160°	170.2	170.4	170.4	170.7	170.8	171.1	175.8	177.2	177.1	176.9	176.7
162.5°	170.6	171.1	171.2	171.4	171.6	172.0	176.8	178.3	178.0	177.7	177.6
165°	172.3	172.3	172.4	172.7	172.8	172.9	177.4	178.7	178.6	178.3	178.2
167.5°	174.1	174.3	174.4	174.5	174.6	174.9	179.1	180.2	180.1	180.0	179.9
170°	176.2	176.3	176.4	176.6	176.8	177.0	180.5	181.5	181.3	181.0	180.9
172.5°	178.1	178.3	178.5	178.7	178.9	179.1	182.1	183.0	182.9	182.7	182.5
175°	178.8	179.0	179.2	179.4	179.5	179.7	182.0	182.7	182.6	182.5	182.4
177.5°	180.6	180.7	180.9	181.0	181.2	181.3	182.8	183.2	183.1	183.1	183.0
180°	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8



TEST NUMBER: P1444578
 CATALOG NUMBER: EHBR1-18-UNV-TA-L850-UPL12

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7
2.5°	15574.1	15579.6	15580.4	15586.8	15586.3	15593.9	15592.7	15598.9	15595.2	15600.4	15596.0
5°	15939.9	15973.1	15990.4	16022.8	16033.0	16062.0	16070.2	16096.6	16097.7	16118.7	16113.9
7.5°	16457.1	16505.9	16535.0	16575.0	16595.3	16628.6	16643.3	16668.0	16675.9	16695.5	16697.0
10°	16765.9	16789.6	16806.2	16817.4	16827.6	16832.3	16837.9	16836.4	16837.9	16835.8	16840.6
12.5°	16644.4	16609.7	16586.9	16543.4	16518.2	16470.3	16446.7	16400.5	16383.8	16344.1	16338.4
15°	16029.2	15908.4	15823.0	15698.9	15620.8	15498.7	15427.2	15317.0	15266.7	15179.1	15156.1
17.5°	14907.9	14683.7	14510.1	14287.4	14132.9	13924.8	13793.9	13621.6	13527.3	13388.4	13340.3
20°	13336.0	13004.1	12743.7	12433.6	12211.6	11935.1	11758.0	11534.7	11405.0	11234.4	11165.3
22.5°	11490.4	11077.3	10752.0	10385.6	10117.9	9809.6	9597.5	9355.9	9214.9	9029.5	8947.4
25°	9588.2	9132.5	8771.1	8385.0	8102.0	7793.1	7580.9	7343.5	7197.5	7021.6	6940.1
27.5°	7768.9	7307.8	6958.4	6599.4	6339.8	6061.1	5869.6	5662.3	5532.9	5382.6	5305.9
30°	6163.5	5756.6	5459.3	5161.5	4945.6	4719.2	4560.0	4388.3	4274.7	4146.0	4072.9
32.5°	4855.5	4541.4	4308.6	4072.2	3895.5	3706.3	3568.8	3417.2	3314.7	3199.9	3133.7
35°	3845.4	3601.4	3415.8	3221.2	3069.3	2908.2	2787.0	2656.3	2564.2	2465.3	2408.2
37.5°	3038.3	2844.3	2691.4	2529.9	2405.1	2271.6	2226.6	2076.5	1981.2	1902.3	1847.7
40°	2384.5	2230.2	2103.7	1980.2	1878.4	1777.1	1695.9	1615.7	1554.2	1497.7	1458.7
42.5°	1862.1	1750.3	1658.0	1567.4	1493.3	1419.5	1360.6	1305.3	1263.9	1227.0	1201.8
45°	1480.3	1403.4	1339.2	1275.5	1223.1	1173.8	1134.2	1099.0	1072.2	1050.1	1034.3
47.5°	1216.1	1163.4	1118.1	1075.1	1039.6	1007.3	980.8	972.2	943.4	923.9	916.6
50°	1033.5	1001.7	967.3	935.6	911.8	888.3	871.0	854.2	843.4	834.4	831.7
52.5°	897.2	873.0	853.8	833.7	818.0	801.2	789.4	778.2	772.2	767.6	767.0
55°	795.9	778.9	766.3	752.8	743.4	733.6	727.4	721.5	718.8	716.5	716.7
57.5°	719.2	707.9	699.7	690.9	685.8	681.1	679.5	678.1	678.9	679.2	680.5
60°	663.4	656.1	650.9	645.8	643.7	642.2	643.4	644.7	647.4	649.6	651.5
62.5°	620.6	616.4	613.8	611.2	610.9	611.1	613.3	615.6	619.0	621.5	623.5
65°	576.5	574.1	573.4	571.6	572.5	573.0	575.7	577.5	580.8	582.9	585.2
67.5°	532.0	531.4	532.0	532.0	533.5	534.9	537.5	539.5	542.3	544.2	546.1
70°	499.1	499.4	500.6	500.8	502.4	503.4	505.7	507.0	509.5	511.1	513.4
72.5°	467.2	466.7	467.0	466.2	466.8	466.5	467.8	468.4	470.6	471.8	474.7
75°	433.1	431.7	431.3	429.7	429.8	428.8	429.3	429.2	430.6	431.2	433.3
77.5°	392.0	389.6	388.4	385.8	385.7	384.8	385.8	386.4	389.0	390.3	392.6
80°	342.8	339.0	337.3	334.3	334.8	334.7	337.1	339.1	342.2	342.7	345.8
82.5°	285.0	281.0	279.3	276.3	277.0	277.0	279.4	279.8	282.4	283.6	287.0
85°	204.0	205.5	201.4	201.7	200.9	202.4	204.0	206.0	208.2	212.0	214.8
87.5°	120.1	119.6	121.1	121.2	123.3	124.5	127.8	129.7	133.4	136.3	141.6
90°	64.2	61.9	62.5	61.4	63.0	61.9	63.4	62.0	63.8	63.7	66.2
92.5°	32.4	30.5	28.3	26.3	24.2	22.3	21.1	20.4	19.3	18.5	17.4
95°	44.0	41.0	38.0	35.0	32.0	29.0	27.9	26.8	25.6	24.6	23.5
97.5°	51.2	48.0	44.8	41.6	38.3	35.1	34.4	33.6	32.9	32.1	31.4
100°	73.8	67.6	61.3	55.0	48.7	42.5	41.9	41.4	40.8	40.2	39.6
102.5°	149.5	135.2	120.9	106.5	92.2	77.8	75.3	72.8	70.3	67.9	65.3
105°	274.5	251.7	228.7	205.9	183.0	160.0	153.2	146.3	139.5	132.6	125.8
107.5°	392.9	370.4	348.1	325.8	303.5	281.1	270.2	259.5	248.6	237.8	227.1
110°	452.2	438.9	425.5	412.0	398.5	385.2	374.8	364.5	354.1	343.8	333.6



TEST NUMBER: P1444578
 CATALOG NUMBER: EHBR1-18-UNV-TA-L850-UPL12

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	459.0	452.2	445.5	438.6	431.9	425.1	420.1	415.0	410.1	405.0	399.9
115°	426.9	424.7	422.5	420.3	418.2	415.9	415.5	415.2	414.7	414.3	414.1
117.5°	373.8	374.0	374.1	374.5	374.9	375.2	377.8	380.4	383.1	385.8	388.6
120°	320.9	322.5	324.2	325.9	327.7	329.5	332.9	336.4	340.0	343.6	347.3
122.5°	276.9	278.0	279.1	280.3	281.4	282.6	286.0	289.5	293.0	296.5	300.3
125°	243.2	243.0	242.9	242.8	242.6	242.7	245.5	248.2	251.1	254.0	257.0
127.5°	220.3	219.3	218.4	217.5	216.4	215.6	217.1	218.8	220.3	222.0	223.8
130°	206.5	205.0	203.3	201.9	200.2	198.7	199.2	199.7	200.3	201.0	201.5
132.5°	198.4	196.8	194.9	193.0	191.2	189.5	189.3	189.1	188.9	188.8	188.8
135°	193.0	191.4	189.6	187.9	186.0	184.5	183.9	183.3	182.8	182.2	181.8
137.5°	189.4	188.1	186.6	185.4	183.8	182.5	181.6	180.9	180.1	179.7	179.0
140°	186.8	185.8	184.6	183.4	182.3	181.2	180.4	180.0	179.2	178.8	178.2
142.5°	184.9	184.0	183.2	182.2	181.4	180.5	179.9	179.3	178.8	178.2	177.7
145°	184.4	183.7	183.1	182.5	181.8	181.2	180.6	180.2	179.8	179.4	179.1
147.5°	182.7	182.3	181.8	181.5	181.0	180.5	180.1	180.0	179.5	179.3	178.9
150°	181.1	180.7	180.2	180.1	179.6	179.2	178.9	178.7	178.4	178.3	178.1
152.5°	178.7	178.4	178.0	177.7	177.3	176.9	176.7	176.6	176.3	176.1	175.9
155°	177.2	176.9	176.7	176.4	176.1	175.9	175.6	175.3	175.1	174.8	174.6
157.5°	176.6	176.4	176.1	175.9	175.6	175.3	175.1	174.9	174.6	174.5	174.2
160°	176.5	176.3	176.0	175.8	175.5	175.3	174.9	174.6	174.4	174.1	173.8
162.5°	177.2	176.9	176.6	176.4	176.0	175.7	175.4	175.2	174.9	174.7	174.5
165°	177.9	177.7	177.5	177.2	177.0	176.8	176.4	176.1	175.8	175.6	175.2
167.5°	179.6	179.5	179.2	179.0	178.7	178.5	178.2	178.0	177.7	177.3	177.0
170°	180.7	180.3	180.1	180.0	179.7	179.4	179.1	178.8	178.5	178.3	177.9
172.5°	182.3	182.1	181.8	181.7	181.4	181.2	180.9	180.7	180.5	180.2	180.1
175°	182.3	182.3	182.2	182.0	182.0	181.9	181.8	181.7	181.6	181.5	181.3
177.5°	183.0	183.0	183.0	182.9	182.8	182.8	182.6	182.5	182.5	182.3	182.2
180°	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8



TEST NUMBER: P1444578
 CATALOG NUMBER: EHBR1-18-UNV-TA-L850-UPL12

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7
2.5°	15600.5	15596.6	15598.5	15591.1	15592.9	15584.0	15583.3	15573.3	15572.4	15562.9	15559.4
5°	16128.7	16120.1	16129.9	16114.6	16117.6	16097.7	16096.0	16070.4	16061.5	16029.3	16015.5
7.5°	16709.2	16706.0	16712.0	16699.2	16698.8	16681.1	16673.7	16650.7	16636.5	16602.7	16581.2
10°	16836.4	16839.4	16834.6	16835.8	16828.9	16826.9	16819.8	16815.3	16803.7	16795.0	16782.1
12.5°	16308.4	16311.5	16291.4	16304.2	16294.0	16317.6	16315.7	16343.4	16347.8	16382.8	16396.2
15°	15087.8	15084.1	15045.4	15069.7	15056.7	15108.4	15120.0	15189.6	15226.8	15316.1	15371.0
17.5°	13244.1	13234.1	13179.7	13209.4	13194.3	13270.5	13296.1	13407.3	13476.8	13620.7	13723.3
20°	11046.2	11027.2	10963.4	10998.2	10982.7	11069.2	11105.7	11240.2	11329.8	11520.4	11656.0
22.5°	8821.1	8790.9	8728.5	8760.9	8746.3	8836.0	8883.5	9018.5	9121.0	9316.7	9475.1
25°	6822.9	6796.0	6735.7	6758.5	6753.0	6828.9	6871.1	6998.7	7099.5	7286.0	7437.0
27.5°	5204.0	5176.0	5121.5	5137.6	5132.1	5196.7	5236.6	5343.2	5429.9	5586.9	5719.6
30°	3982.8	3949.2	3903.0	3911.8	3908.1	3960.4	3997.7	4087.5	4161.8	4294.4	4408.8
32.5°	3052.8	3019.0	2976.6	2980.7	2975.1	3016.3	3046.9	3125.0	3189.8	3302.5	3402.0
35°	2335.9	2375.4	2284.8	2342.2	2282.4	2370.1	2338.6	2387.4	2443.1	2538.1	2621.1
37.5°	1795.7	1768.1	1744.8	1742.4	1742.3	1762.5	1786.6	1833.5	1882.6	1953.5	2026.5
40°	1423.0	1403.7	1388.5	1387.5	1388.5	1403.0	1420.8	1453.3	1489.2	1540.0	1593.7
42.5°	1180.2	1167.4	1158.3	1157.7	1160.6	1170.8	1183.2	1202.4	1225.8	1258.8	1295.6
45°	1021.6	1014.4	1009.3	1009.0	1010.4	1015.7	1022.7	1034.8	1049.7	1070.2	1093.5
47.5°	910.2	908.4	905.3	905.4	903.9	906.1	906.9	913.6	921.6	937.0	967.5
50°	829.0	829.0	826.9	826.7	824.6	824.5	822.9	825.5	829.1	838.8	848.5
52.5°	764.9	764.7	762.3	761.9	759.7	759.6	758.1	759.1	759.6	764.5	770.3
55°	714.8	713.3	710.2	709.2	708.4	709.6	709.1	709.1	708.5	710.5	712.3
57.5°	678.9	676.9	673.9	673.2	672.9	674.4	674.4	673.9	671.2	669.4	666.8
60°	650.5	648.5	645.3	644.5	645.0	647.0	646.9	645.2	641.1	637.6	633.6
62.5°	622.5	621.7	620.1	619.8	619.4	619.8	618.3	616.5	612.5	608.8	604.4
65°	585.0	585.4	584.2	584.4	582.9	582.7	580.5	578.8	574.7	571.3	566.8
67.5°	546.0	546.3	545.4	545.4	544.7	544.8	543.4	541.7	538.4	535.5	532.1
70°	514.0	514.8	514.2	514.4	513.4	513.1	511.1	509.4	506.0	503.6	500.5
72.5°	475.5	477.3	477.2	477.7	476.3	475.5	473.1	471.1	468.0	466.1	463.5
75°	434.1	436.3	437.0	438.0	436.0	435.0	432.3	430.6	428.1	427.0	425.3
77.5°	393.6	396.1	398.4	400.7	397.4	394.7	391.2	388.7	385.0	383.6	380.9
80°	348.1	352.5	357.7	362.2	356.5	350.7	345.1	340.9	336.0	334.1	330.8
82.5°	288.9	293.3	296.4	299.2	295.2	291.0	285.5	281.9	276.6	274.6	270.9
85°	219.4	225.0	226.8	228.3	225.7	223.6	218.5	211.6	208.2	203.0	200.3
87.5°	144.3	147.6	148.3	148.8	147.2	146.2	142.9	139.7	134.0	129.9	124.7
90°	65.4	67.1	65.1	65.4	64.0	64.8	62.1	61.6	57.5	56.4	52.7
92.5°	16.5	15.3	14.5	13.5	14.7	15.4	16.6	17.4	18.5	19.3	20.4
95°	22.4	21.2	20.1	19.1	19.9	20.8	21.7	22.6	23.4	24.3	25.1
97.5°	30.6	30.0	29.2	28.5	29.0	29.5	30.1	30.5	31.0	31.5	32.1
100°	39.0	38.4	37.8	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
102.5°	62.9	60.4	57.9	55.4	57.1	58.7	60.4	62.1	63.8	65.5	67.3
105°	119.0	112.2	105.3	98.5	105.1	111.7	118.4	124.9	131.5	138.2	144.9
107.5°	216.3	205.5	194.8	184.0	196.0	208.0	220.0	232.0	244.1	256.1	268.2
110°	323.3	313.1	302.7	292.5	305.3	318.1	330.8	343.6	356.3	369.0	382.0



TEST NUMBER: P1444578
 CATALOG NUMBER: EHBR1-18-UNV-TA-L850-UPL12

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	394.9	390.0	385.0	379.9	388.2	396.3	404.6	412.9	421.1	429.5	437.7
115°	413.7	413.4	413.1	412.9	416.8	420.6	424.5	428.5	432.4	436.2	440.4
117.5°	391.3	394.0	396.8	399.6	400.9	402.0	403.4	404.7	406.0	407.3	408.7
120°	351.0	354.6	358.3	362.1	361.6	361.1	360.5	360.0	359.7	359.3	358.9
122.5°	303.8	307.5	311.2	314.9	313.8	312.8	311.6	310.6	309.7	308.7	307.7
125°	260.1	263.1	266.2	269.2	268.2	267.1	266.0	265.0	264.0	263.2	262.3
127.5°	225.6	227.5	229.3	231.1	230.6	230.1	229.8	229.4	229.0	228.8	228.5
130°	202.3	203.0	203.8	204.7	204.9	205.0	205.3	205.5	206.0	206.3	206.8
132.5°	188.9	188.9	189.1	189.2	189.8	190.4	191.2	191.8	192.7	193.5	194.5
135°	181.5	181.2	181.0	180.8	181.7	182.5	183.5	184.5	185.6	186.7	188.0
137.5°	178.5	178.0	177.6	177.2	178.1	179.0	180.0	180.9	182.0	183.2	184.6
140°	177.8	177.3	177.1	176.6	177.5	178.4	179.4	180.3	181.5	182.6	183.9
142.5°	177.3	176.8	176.5	176.3	177.0	177.8	178.8	179.7	180.6	181.6	182.9
145°	178.7	178.3	178.2	177.9	178.5	179.1	179.7	180.3	181.0	181.7	182.7
147.5°	178.7	178.4	178.3	178.1	178.5	179.0	179.4	179.9	180.4	181.0	181.7
150°	178.1	177.8	177.7	177.7	177.9	178.1	178.5	178.7	179.2	179.5	180.1
152.5°	175.9	175.6	175.6	175.5	175.7	176.0	176.3	176.5	176.9	177.2	177.6
155°	174.5	174.3	174.2	174.0	174.1	174.1	174.3	174.2	174.5	174.5	174.7
157.5°	174.1	173.9	173.7	173.5	173.5	173.3	173.4	173.3	173.3	173.3	173.4
160°	173.5	173.2	173.0	172.7	172.7	172.6	172.7	172.6	172.7	172.8	172.8
162.5°	174.3	174.1	173.9	173.7	173.6	173.3	173.2	173.0	172.9	172.8	172.7
165°	174.8	174.6	174.4	174.0	174.0	173.9	173.8	173.7	173.7	173.6	173.5
167.5°	176.8	176.4	176.3	175.9	175.7	175.4	175.3	175.0	174.8	174.6	174.6
170°	177.7	177.5	177.3	177.0	176.9	176.7	176.6	176.5	176.4	176.3	176.3
172.5°	179.9	179.7	179.5	179.3	179.2	179.0	179.0	178.9	178.8	178.8	178.7
175°	181.3	181.2	181.1	181.0	180.8	180.7	180.7	180.6	180.5	180.3	180.3
177.5°	182.0	182.0	181.9	181.8	181.7	181.7	181.7	181.7	181.7	181.6	181.6
180°	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8



TEST NUMBER: P1444578
 CATALOG NUMBER: EHBR1-18-UNV-TA-L850-UPL12

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7
2.5°	15549.4	15545.2	15534.4	15529.2	15519.2	15514.2	15506.4	15501.4	15495.1	15490.5	15488.1
5°	15980.2	15960.3	15920.5	15895.9	15852.9	15824.5	15781.8	15750.4	15706.3	15673.8	15632.1
7.5°	16540.7	16510.1	16459.2	16420.5	16360.2	16314.2	16246.7	16192.7	16118.0	16056.0	15979.8
10°	16768.9	16751.1	16728.2	16703.3	16670.0	16637.2	16591.1	16544.1	16481.5	16419.1	16337.6
12.5°	16431.6	16448.4	16481.5	16496.9	16522.1	16530.8	16542.3	16536.9	16526.6	16501.2	16464.3
15°	15476.4	15546.3	15656.9	15733.4	15840.6	15915.9	16015.5	16079.6	16153.4	16197.6	16239.4
17.5°	13905.0	14040.4	14235.6	14391.2	14600.2	14770.1	14978.4	15141.9	15330.8	15475.7	15629.9
20°	11892.4	12081.9	12351.4	12580.1	12883.0	13139.7	13468.7	13744.3	14065.8	14333.8	14623.1
22.5°	9726.3	9949.2	10257.9	10533.9	10895.4	11218.5	11630.7	11995.1	12429.8	12819.0	13249.8
25°	7682.8	7901.3	8215.7	8501.4	8891.9	9247.7	9698.0	10116.0	10620.4	11090.7	11630.7
27.5°	5930.4	6124.5	6400.8	6658.1	7015.6	7364.9	7821.9	8267.7	8805.9	9311.3	9893.2
30°	4579.9	4737.3	4958.8	5165.7	5452.8	5738.5	6145.5	6557.8	7093.3	7617.1	8213.7
32.5°	3549.3	3683.5	3868.4	4036.4	4257.6	4473.0	4772.8	5102.2	5572.0	6073.6	6650.5
35°	2747.5	2862.4	3019.7	3164.4	3346.3	3517.3	3741.0	3976.2	4334.7	4756.7	5272.9
37.5°	2190.5	2237.3	2349.6	2468.2	2619.2	2759.8	2934.8	3108.6	3365.1	3698.1	4119.8
40°	1665.8	1740.2	1831.7	1925.0	2039.3	2152.1	2344.0	2436.4	2605.4	2844.4	3171.7
42.5°	1344.1	1396.4	1460.7	1525.7	1605.3	1683.9	1781.0	1879.9	2006.1	2168.0	2400.8
45°	1124.8	1158.9	1200.3	1243.6	1295.9	1349.6	1414.6	1482.5	1568.0	1667.5	1809.0
47.5°	978.3	997.1	1024.1	1053.7	1089.6	1126.7	1169.0	1212.2	1265.4	1324.4	1405.0
50°	863.9	879.6	900.7	920.4	945.1	983.2	1000.0	1023.8	1055.8	1090.5	1135.5
52.5°	781.1	791.6	804.8	816.2	831.8	846.0	864.7	881.2	903.3	924.1	953.2
55°	716.7	720.5	728.0	735.2	746.1	755.9	768.6	779.3	793.5	806.0	824.3
57.5°	666.9	667.3	670.7	674.5	681.5	687.6	696.4	703.5	713.2	721.2	732.2
60°	631.1	629.2	629.9	631.2	635.1	639.2	644.8	649.4	655.6	660.1	666.2
62.5°	601.4	598.4	597.7	597.3	599.3	600.8	603.8	606.1	609.5	611.5	614.8
65°	563.7	560.2	558.8	557.2	557.8	557.3	558.5	558.5	560.4	560.8	562.6
67.5°	529.6	526.7	524.9	522.8	521.8	520.2	519.5	518.1	517.8	516.5	516.2
70°	498.5	495.7	494.2	492.1	491.1	489.1	487.8	485.2	483.8	481.4	480.0
72.5°	462.6	461.0	460.5	459.1	458.7	457.6	457.1	455.3	454.3	452.2	451.1
75°	424.9	423.7	423.5	422.1	422.0	420.6	420.3	418.4	417.4	415.4	414.5
77.5°	380.1	378.2	377.6	376.0	376.4	375.7	376.3	374.8	374.2	372.2	371.6
80°	329.7	327.1	326.1	324.0	324.5	323.6	324.5	324.4	325.2	323.6	323.3
82.5°	269.9	267.1	266.6	265.1	266.1	266.2	268.4	267.2	267.7	266.2	266.8
85°	196.4	194.3	191.4	191.1	189.2	191.2	188.6	190.3	187.6	189.5	186.9
87.5°	121.8	117.5	115.2	112.2	111.0	108.1	106.9	104.8	105.4	104.4	105.0
90°	52.4	49.2	49.2	47.1	47.6	45.9	46.9	45.9	47.2	46.3	47.8
92.5°	21.1	22.1	23.8	25.7	27.4	29.2	30.8	32.8	34.5	36.3	38.0
95°	26.0	26.9	29.3	31.6	34.0	36.3	38.6	41.0	43.3	45.7	48.0
97.5°	32.6	33.1	35.5	37.8	40.2	42.5	44.8	47.2	49.6	52.0	54.3
100°	37.2	37.3	44.0	50.7	57.4	64.1	70.7	77.4	84.2	90.9	97.5
102.5°	69.0	70.6	87.5	104.4	121.3	138.2	155.0	172.0	188.9	205.8	222.8
105°	151.5	158.1	183.9	209.6	235.4	261.2	286.8	312.7	338.5	364.3	390.1
107.5°	280.2	292.3	315.7	338.9	362.2	385.4	408.9	432.1	455.5	478.8	502.2
110°	394.8	407.5	423.2	438.8	454.4	470.0	485.7	501.4	517.1	532.7	548.4



TEST NUMBER: P1444578
 CATALOG NUMBER: EHBR1-18-UNV-TA-L850-UPL12

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	445.9	454.2	463.3	472.6	481.6	490.8	500.0	509.2	518.3	527.6	536.8
115°	444.3	448.3	451.7	455.5	459.0	462.7	466.3	470.0	473.8	477.4	481.1
117.5°	409.9	411.4	412.0	412.7	413.2	414.0	414.7	415.5	416.3	417.1	417.8
120°	358.5	358.2	357.7	357.3	356.9	356.4	356.1	355.6	355.3	354.9	354.6
122.5°	306.8	306.0	305.6	305.1	304.8	304.4	304.1	303.8	303.5	303.2	302.9
125°	261.4	260.6	261.3	262.0	262.7	263.4	264.1	265.0	265.8	266.6	267.4
127.5°	228.2	228.1	229.6	231.1	232.8	234.4	235.9	237.6	239.3	241.0	242.5
130°	207.3	207.9	209.7	211.8	213.6	215.7	217.7	219.8	221.7	223.8	225.7
132.5°	195.4	196.6	198.3	200.2	202.2	204.1	206.1	208.0	210.0	212.1	213.8
135°	189.3	190.7	192.3	194.1	195.9	197.8	199.5	201.5	203.1	205.0	206.8
137.5°	185.7	187.1	188.6	190.0	191.4	193.0	194.5	196.1	197.4	198.9	200.4
140°	185.1	186.4	187.2	188.3	189.2	190.2	191.0	192.0	192.8	193.9	194.7
142.5°	183.9	185.2	185.7	186.3	187.0	187.8	188.4	189.1	189.7	190.3	190.9
145°	183.5	184.5	184.7	184.9	185.2	185.4	185.6	185.7	185.8	186.0	186.2
147.5°	182.4	183.1	183.1	183.2	183.2	183.3	183.4	183.4	183.3	183.4	183.4
150°	180.4	180.9	180.7	180.7	180.5	180.5	180.3	180.2	180.1	180.1	179.9
152.5°	178.0	178.4	178.1	178.1	177.8	177.6	177.4	177.3	177.0	176.8	176.7
155°	174.7	175.0	174.8	174.8	174.6	174.6	174.4	174.5	174.4	174.3	174.2
157.5°	173.3	173.3	173.2	173.2	173.1	173.0	173.0	173.0	173.0	173.1	173.2
160°	172.8	172.9	172.7	172.7	172.6	172.5	172.5	172.5	172.5	172.7	172.7
162.5°	172.5	172.5	172.3	172.3	172.2	172.2	172.2	172.3	172.3	172.4	172.5
165°	173.6	173.7	173.5	173.4	173.3	173.1	173.1	173.0	173.1	173.1	173.1
167.5°	174.5	174.4	174.4	174.5	174.5	174.6	174.6	174.8	174.8	175.0	175.1
170°	176.3	176.3	176.2	176.1	176.1	176.1	176.1	176.0	176.1	176.1	176.1
172.5°	178.7	178.7	178.6	178.4	178.3	178.2	178.1	178.0	177.9	177.8	177.7
175°	180.2	180.1	180.1	180.1	180.0	179.8	179.8	179.6	179.5	179.5	179.4
177.5°	181.5	181.4	181.3	181.3	181.3	181.2	181.2	181.2	181.2	181.2	181.1
180°	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8



TEST NUMBER: P1444578
 CATALOG NUMBER: EHBR1-18-UNV-TA-L850-UPL12

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7
2.5°	15484.9	15484.7	15483.3	15484.0	15484.2	15485.3	15486.7	15488.1	15488.4	15489.5	15489.6
5°	15600.8	15562.5	15534.2	15503.0	15479.6	15458.5	15444.5	15433.3	15428.9	15430.0	15432.7
7.5°	15915.1	15836.0	15770.8	15696.5	15634.7	15569.2	15514.9	15463.3	15425.7	15397.6	15382.0
10°	16260.0	16163.6	16071.5	15964.1	15862.2	15753.6	15655.2	15556.0	15473.3	15401.6	15348.9
12.5°	16412.9	16344.8	16265.3	16163.9	16054.9	15929.5	15802.9	15667.1	15540.9	15423.6	15329.1
15°	16250.9	16251.0	16222.0	16173.4	16097.7	15997.5	15876.9	15735.3	15586.4	15434.3	15295.5
17.5°	15736.6	15833.6	15887.6	15921.8	15911.2	15874.4	15797.6	15688.9	15550.1	15388.2	15218.7
20°	14853.3	15082.2	15245.5	15392.2	15474.4	15529.0	15523.6	15479.3	15380.5	15242.8	15066.4
22.5°	13616.0	14000.2	14303.3	14586.0	14784.3	14945.6	15022.2	15054.8	15010.0	14914.0	14748.3
25°	12113.3	12635.6	13081.4	13514.0	13838.4	14117.3	14285.0	14403.1	14412.4	14362.3	14214.5
27.5°	10443.4	11060.0	11624.1	12199.0	12655.4	13056.3	13319.3	13511.9	13573.0	13565.0	13430.7
30°	8775.7	9422.9	10044.8	10715.2	11279.9	11792.1	12139.6	12400.0	12500.3	12519.5	12390.4
32.5°	7200.7	7838.9	8459.1	9159.9	9781.3	10368.3	10778.9	11088.2	11204.9	11232.4	11090.7
35°	5771.2	6360.1	6949.4	7628.7	8246.5	8854.4	9287.0	9610.8	9719.7	9738.1	9574.2
37.5°	4531.6	5033.4	5546.9	6156.3	6723.8	7294.6	7705.7	8010.0	8089.4	8084.4	7898.9
40°	3488.0	3878.0	4290.6	4792.3	5264.1	5746.7	6093.8	6345.3	6387.1	6356.1	6161.2
42.5°	2622.8	2904.4	3203.6	3578.1	3928.1	4289.3	4541.9	4728.6	4734.6	4685.8	4510.7
45°	1953.9	2228.8	2354.2	2580.7	2806.2	3046.3	3200.5	3315.9	3298.0	3255.1	3122.1
47.5°	1489.5	1595.2	1707.2	1847.7	1978.9	2251.5	2231.2	2416.6	2283.1	2374.1	2173.8
50°	1182.9	1241.9	1302.2	1376.8	1445.3	1516.6	1561.1	1594.3	1590.0	1575.8	1537.4
52.5°	1006.3	1024.6	1054.3	1096.7	1135.0	1173.5	1198.9	1219.5	1219.9	1214.1	1194.7
55°	841.0	864.2	885.6	913.3	960.5	967.7	1004.1	996.7	999.6	989.4	999.8
57.5°	741.5	755.0	767.1	783.6	797.2	813.1	822.5	831.5	830.6	828.7	818.8
60°	671.1	678.5	685.1	694.8	702.2	711.3	715.6	720.2	718.6	715.3	706.6
62.5°	616.7	621.4	625.1	631.4	635.9	641.5	643.8	645.7	643.8	640.5	632.8
65°	563.0	566.1	568.4	573.2	576.4	581.1	583.1	584.8	583.1	580.6	574.7
67.5°	514.7	515.0	514.7	516.7	517.7	520.5	521.4	522.7	520.6	518.4	513.4
70°	478.0	477.2	476.3	477.1	477.2	478.7	478.9	478.7	476.1	472.5	467.0
72.5°	449.3	448.9	448.2	448.8	448.8	450.1	449.7	449.1	446.1	442.4	437.0
75°	412.5	412.2	410.8	410.8	409.7	410.1	408.6	407.7	404.3	401.4	396.4
77.5°	369.3	368.6	366.6	365.8	363.6	362.8	359.9	358.5	355.1	352.6	348.5
80°	321.1	320.4	317.8	316.4	313.0	310.7	306.6	304.2	300.3	297.9	293.9
82.5°	265.4	265.7	263.2	261.4	256.4	252.6	247.0	244.1	239.7	237.4	233.3
85°	188.8	186.0	187.5	187.4	184.3	181.0	176.5	173.4	169.6	167.5	164.5
87.5°	103.5	104.2	103.4	102.8	100.6	98.9	95.5	93.6	90.9	89.6	87.3
90°	44.3	43.3	40.0	39.0	35.8	33.9	30.2	28.7	25.2	24.6	22.3
92.5°	36.0	34.1	32.1	30.1	28.2	26.2	24.2	22.2	20.2	19.4	19.0
95°	45.2	42.4	39.6	36.7	33.8	30.9	28.2	25.3	22.5	21.9	21.3
97.5°	51.1	47.6	44.3	41.0	37.5	34.2	30.9	27.5	24.2	23.8	23.4
100°	89.8	82.1	74.4	66.6	58.8	51.1	43.3	35.6	27.9	27.5	27.0
102.5°	203.9	185.1	166.4	147.5	128.8	109.9	91.3	72.4	53.6	50.9	48.2
105°	361.7	333.1	304.8	276.4	247.8	219.4	191.1	162.5	134.1	124.9	115.8
107.5°	475.5	448.7	422.1	395.4	368.6	341.9	315.1	288.4	261.6	245.6	229.6
110°	527.2	506.1	485.0	463.7	442.5	421.3	400.1	378.9	357.7	343.8	330.0



TEST NUMBER: P1444578
 CATALOG NUMBER: EHBR1-18-UNV-TA-L850-UPL12

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	521.3	505.9	490.5	474.8	459.5	443.9	428.4	412.9	397.3	388.9	380.5
115°	471.9	462.7	453.3	444.1	434.8	425.4	416.2	406.8	397.4	393.1	388.7
117.5°	413.1	408.4	403.8	399.1	394.4	389.6	385.0	380.2	375.4	374.0	372.5
120°	353.4	352.1	350.7	349.3	348.0	346.6	345.2	343.8	342.3	342.6	342.9
122.5°	303.7	304.4	305.1	305.7	306.5	307.1	307.8	308.3	309.0	310.3	311.6
125°	268.9	270.4	272.1	273.6	275.0	276.5	278.2	279.5	281.0	282.3	283.7
127.5°	244.4	246.0	247.7	249.4	251.1	252.7	254.5	256.1	257.7	258.9	260.3
130°	227.3	228.8	230.3	231.8	233.4	234.9	236.3	237.9	239.3	240.4	241.3
132.5°	215.3	216.7	218.1	219.3	220.8	222.1	223.6	224.8	226.3	227.1	228.0
135°	207.9	208.8	210.0	211.0	212.2	213.2	214.2	215.3	216.5	217.2	217.8
137.5°	201.4	202.2	203.1	203.9	204.9	205.7	206.8	207.7	208.7	209.0	209.6
140°	195.6	196.5	197.4	198.4	199.3	200.2	201.4	202.3	203.4	203.8	204.3
142.5°	191.6	192.2	193.0	193.7	194.5	195.3	196.2	196.9	197.8	198.3	198.7
145°	187.0	187.8	188.8	189.6	190.4	191.2	192.3	193.3	194.3	194.7	195.1
147.5°	184.2	184.8	185.7	186.3	187.1	187.8	188.8	189.6	190.7	191.0	191.2
150°	180.6	181.3	182.1	182.8	183.7	184.5	185.5	186.4	187.4	187.8	188.2
152.5°	177.5	178.3	179.1	180.0	180.8	181.7	182.8	183.8	184.8	185.1	185.6
155°	175.0	175.7	176.6	177.5	178.4	179.3	180.2	181.1	182.1	182.6	183.0
157.5°	173.9	174.5	175.3	176.1	176.9	177.7	178.7	179.5	180.3	180.7	181.0
160°	173.4	174.1	174.7	175.4	176.1	176.9	177.7	178.5	179.2	179.6	179.9
162.5°	173.1	173.9	174.6	175.1	175.9	176.7	177.4	178.2	178.9	179.2	179.6
165°	173.7	174.2	174.7	175.2	175.7	176.2	176.8	177.3	178.0	178.3	178.7
167.5°	175.6	175.9	176.4	176.8	177.3	177.6	178.2	178.6	179.1	179.4	179.8
170°	176.5	176.9	177.2	177.6	178.1	178.4	178.8	179.2	179.7	180.0	180.1
172.5°	177.9	178.1	178.4	178.6	178.8	179.1	179.4	179.7	179.9	180.2	180.4
175°	179.6	179.6	179.8	179.9	179.9	180.1	180.2	180.3	180.5	180.7	180.9
177.5°	181.2	181.3	181.3	181.4	181.6	181.7	181.7	181.8	182.0	182.2	182.4
180°	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8



TEST NUMBER: P1444578
 CATALOG NUMBER: EHBR1-18-UNV-TA-L850-UPL12

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7
2.5°	15489.2	15489.0	15488.5	15487.8	15487.1	15487.5	15488.2	15489.9	15493.1	15497.6	15503.4
5°	15434.8	15438.0	15439.7	15439.9	15438.4	15437.4	15438.9	15443.2	15451.7	15466.1	15485.6
7.5°	15377.8	15381.7	15387.7	15392.2	15393.0	15391.9	15392.2	15398.9	15414.7	15442.7	15482.1
10°	15316.9	15305.3	15311.5	15322.6	15331.5	15333.1	15334.2	15342.0	15365.2	15407.6	15470.8
12.5°	15260.7	15224.0	15217.0	15227.1	15240.5	15244.9	15243.6	15247.0	15274.1	15330.2	15418.3
15°	15186.7	15117.8	15094.2	15096.8	15113.4	15119.4	15115.1	15108.4	15134.8	15203.3	15317.3
17.5°	15067.1	14955.9	14912.6	14910.7	14930.1	14935.3	14924.6	14903.9	14929.9	15015.4	15156.9
20°	14885.1	14721.0	14639.5	14626.5	14647.6	14641.5	14620.1	14588.8	14623.0	14726.9	14895.2
22.5°	14558.0	14350.1	14210.7	14165.8	14191.1	14174.3	14143.0	14103.1	14148.5	14266.6	14454.0
25°	14023.5	13783.2	13592.6	13485.5	13505.6	13475.4	13441.5	13393.0	13447.2	13582.8	13789.0
27.5°	13237.9	12960.4	12724.0	12546.8	12553.4	12513.7	12474.7	12411.9	12479.6	12640.0	12872.7
30°	12193.2	11872.1	11584.3	11343.5	11321.9	11283.5	11243.6	11161.1	11245.8	11437.8	11709.7
32.5°	10881.3	10524.8	10192.2	9887.8	9830.3	9792.8	9757.2	9662.4	9773.3	9997.1	10309.6
35°	9347.1	8967.3	8606.7	8259.0	8163.9	8126.4	8095.3	8004.4	8142.7	8386.4	8723.8
37.5°	7663.0	7275.0	6917.0	6560.5	6426.1	6375.3	6352.6	6293.1	6452.7	6693.6	7032.4
40°	5934.1	5573.4	5252.4	4937.6	4784.3	4706.5	4694.6	4683.8	4838.1	5047.1	5354.7
42.5°	4316.9	4025.9	3778.3	3537.7	3398.8	3292.5	3292.5	3324.7	3463.6	3620.3	3857.4
45°	2986.1	2790.8	2633.1	2472.3	2515.3	2303.4	2427.9	2364.0	2432.7	2533.7	2687.8
47.5°	2052.7	1946.1	1859.5	1769.6	1704.1	1641.6	1647.0	1687.4	1752.0	1811.9	1892.2
50°	1496.0	1441.8	1397.6	1350.9	1318.4	1290.8	1292.4	1309.9	1343.9	1375.4	1417.3
52.5°	1172.3	1142.3	1118.3	1092.5	1075.4	1061.7	1062.4	1071.0	1089.3	1107.3	1131.4
55°	966.3	962.6	931.4	908.3	899.5	890.2	891.9	895.2	907.7	918.3	934.2
57.5°	809.7	795.6	786.3	774.1	768.5	762.1	763.5	764.8	773.2	780.2	791.7
60°	699.2	689.3	682.6	674.3	670.6	666.6	667.5	668.2	673.5	678.2	686.4
62.5°	625.7	616.9	611.1	604.7	602.1	599.4	600.0	600.2	603.5	606.9	613.1
65°	569.4	562.4	557.5	552.0	549.4	546.4	546.7	546.7	549.6	552.0	556.8
67.5°	509.8	504.5	501.5	497.0	495.2	492.3	492.2	491.3	493.1	494.1	497.3
70°	462.1	456.7	452.7	448.5	446.2	443.6	443.7	443.7	445.9	448.1	452.1
72.5°	432.5	427.4	423.9	420.1	418.0	415.8	415.4	415.1	416.7	418.0	420.6
75°	393.4	389.3	387.2	383.8	382.0	379.6	379.2	378.0	378.8	379.0	381.0
77.5°	346.0	342.0	340.4	336.9	335.4	332.6	332.4	331.1	331.7	331.3	332.9
80°	291.8	288.3	287.4	284.6	283.9	281.2	280.8	279.3	279.8	278.6	279.1
82.5°	231.5	228.3	227.6	224.9	224.9	222.6	222.4	220.0	220.0	218.1	214.8
85°	163.1	160.7	159.7	157.6	156.9	155.0	154.0	151.8	151.0	149.5	149.0
87.5°	86.0	84.6	83.2	82.2	80.3	76.9	76.6	74.3	74.5	72.8	72.9
90°	21.7	19.6	19.3	17.4	16.7	15.3	14.9	15.0	15.4	15.6	16.1
92.5°	18.3	17.6	17.0	16.3	15.6	15.0	14.3	15.0	15.6	16.3	17.0
95°	20.7	20.1	19.6	19.1	18.5	17.9	17.3	17.9	18.5	19.1	19.6
97.5°	23.1	22.7	22.3	21.9	21.6	21.2	20.8	21.3	21.7	22.0	22.4
100°	26.6	26.1	25.7	25.2	24.9	24.4	24.0	24.5	24.9	25.3	25.8
102.5°	45.5	42.7	40.1	37.3	34.6	31.9	29.2	31.9	34.6	37.4	40.2
105°	106.6	97.5	88.4	79.3	70.0	60.9	51.8	60.9	70.0	79.3	88.5
107.5°	213.4	197.3	181.2	165.1	148.9	132.8	116.7	132.9	149.0	165.2	181.3
110°	316.2	302.3	288.4	274.5	260.7	246.7	232.8	246.8	260.8	274.6	288.6



TEST NUMBER: P1444578
 CATALOG NUMBER: EHBR1-18-UNV-TA-L850-UPL12

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	372.1	363.6	355.3	346.8	338.3	329.9	321.4	330.0	338.5	347.1	355.6
115°	384.3	379.8	375.5	371.1	366.6	362.2	357.6	362.4	366.9	371.5	376.0
117.5°	371.0	369.5	368.0	366.5	364.9	363.4	361.8	363.5	365.2	367.0	368.6
120°	343.1	343.4	343.7	343.9	344.1	344.3	344.4	344.5	344.5	344.5	344.4
122.5°	312.9	314.1	315.2	316.5	317.8	318.8	319.9	319.0	318.2	317.3	316.2
125°	285.0	286.3	287.5	288.9	290.1	291.3	292.3	291.6	290.8	289.8	288.6
127.5°	261.6	262.8	263.9	265.1	266.3	267.3	268.3	267.7	266.9	266.0	265.1
130°	242.3	243.4	244.2	245.2	246.1	246.8	247.5	247.1	246.7	246.3	245.6
132.5°	228.7	229.6	230.3	231.1	231.7	232.4	232.8	232.7	232.4	232.2	231.7
135°	218.4	219.0	219.5	220.2	220.6	221.0	221.3	221.4	221.3	221.3	221.0
137.5°	209.9	210.5	210.8	211.1	211.3	211.6	211.6	212.0	212.1	212.4	212.3
140°	204.7	205.1	205.6	205.8	206.2	206.4	206.5	206.8	207.0	207.1	207.1
142.5°	199.2	199.6	200.0	200.3	200.6	200.8	200.9	201.2	201.4	201.5	201.6
145°	195.3	195.7	196.0	196.3	196.4	196.5	196.5	196.8	197.0	197.3	197.5
147.5°	191.5	191.8	192.0	192.2	192.4	192.4	192.5	192.8	193.1	193.3	193.5
150°	188.7	189.1	189.4	189.7	190.0	190.2	190.3	190.6	190.8	190.8	190.9
152.5°	185.9	186.2	186.5	186.8	187.1	187.2	187.3	187.6	187.9	188.0	188.1
155°	183.4	183.8	184.1	184.5	184.7	185.0	185.2	185.5	185.6	185.7	185.8
157.5°	181.4	181.8	182.1	182.4	182.6	183.0	183.2	183.5	183.7	183.9	184.1
160°	180.1	180.5	180.8	181.1	181.4	181.7	181.9	182.2	182.5	182.6	182.9
162.5°	179.9	180.1	180.3	180.6	180.9	181.2	181.5	181.8	182.0	182.2	182.4
165°	179.0	179.4	179.7	180.1	180.3	180.7	181.0	181.2	181.3	181.5	181.6
167.5°	180.0	180.3	180.6	181.0	181.1	181.5	181.9	182.0	182.1	182.3	182.3
170°	180.4	180.8	181.0	181.3	181.6	181.8	182.0	182.1	182.3	182.4	182.5
172.5°	180.7	181.1	181.4	181.7	182.0	182.3	182.6	182.7	182.7	182.6	182.6
175°	181.1	181.4	181.7	181.9	182.2	182.4	182.7	182.5	182.6	182.5	182.5
177.5°	182.8	183.1	183.4	183.6	183.9	184.1	184.4	184.2	184.1	183.8	183.6
180°	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8



TEST NUMBER: P1444578
 CATALOG NUMBER: EHBR1-18-UNV-TA-L850-UPL12

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7
2.5°	15511.7	15519.5	15531.4	15542.1	15558.3	15571.1	15590.3	15604.9	15626.5	15640.6	15664.1
5°	15513.1	15543.5	15583.4	15622.4	15669.1	15711.6	15764.5	15809.5	15862.5	15905.8	15960.2
7.5°	15535.0	15593.6	15663.7	15734.4	15814.4	15889.1	15973.3	16049.6	16132.9	16203.6	16280.6
10°	15551.2	15641.5	15744.8	15848.9	15958.4	16060.2	16162.8	16251.6	16334.5	16402.8	16463.1
12.5°	15529.3	15653.7	15786.3	15914.4	16036.2	16141.4	16229.8	16298.1	16345.1	16377.1	16384.6
15°	15454.7	15604.4	15748.6	15876.2	15977.2	16055.1	16095.4	16114.3	16094.0	16060.4	15986.5
17.5°	15315.4	15473.2	15602.1	15702.8	15756.1	15777.4	15743.9	15685.8	15572.3	15446.1	15264.1
20°	15060.0	15206.9	15300.6	15355.5	15341.1	15288.3	15162.2	15008.8	14782.1	14540.5	14221.5
22.5°	14611.9	14740.5	14790.3	14794.4	14707.3	14574.9	14347.5	14084.5	13726.8	13354.9	12897.5
25°	13939.4	14052.0	14059.8	14015.6	13856.1	13641.8	13307.8	12935.7	12449.7	11954.1	11381.0
27.5°	13027.3	13135.2	13108.8	13026.3	12804.9	12518.2	12090.4	11609.8	11010.6	10425.3	9791.3
30°	11880.8	11996.2	11965.1	11859.2	11596.0	11257.0	10753.7	10195.4	9530.1	8904.9	8262.4
32.5°	10508.6	10654.6	10633.2	10532.6	10257.7	9895.1	9348.9	8756.8	8076.0	7460.0	6835.0
35°	8949.0	9126.3	9135.5	9069.7	8814.6	8456.0	7916.9	7343.6	6691.6	6110.4	5533.0
37.5°	7268.8	7474.3	7516.5	7498.7	7287.3	6970.8	6479.5	5965.3	5387.7	4878.3	4384.5
40°	5579.2	5787.2	5859.4	5880.8	5724.8	5479.6	5076.4	4661.4	4190.5	3777.7	3385.6
42.5°	4038.4	4222.8	4292.6	4336.5	4239.0	4075.6	3781.5	3480.0	3135.0	2837.3	2551.9
45°	2804.8	2935.2	2988.3	3032.4	2979.3	2887.2	2701.5	2512.9	2285.2	2090.6	1906.4
47.5°	1960.9	2032.9	2067.9	2089.3	2068.8	2020.7	1919.6	1810.4	1681.9	1568.2	1458.9
50°	1453.5	1491.8	1510.2	1522.5	1507.5	1480.8	1426.1	1366.6	1296.0	1231.7	1168.7
52.5°	1151.8	1173.8	1184.7	1191.4	1182.8	1166.5	1134.6	1099.4	1057.0	1017.2	996.3
55°	970.4	969.2	994.4	982.3	994.4	967.2	961.6	922.9	887.7	862.9	836.1
57.5°	800.3	811.7	816.5	821.9	818.3	813.4	799.9	786.0	767.5	751.9	735.4
60°	692.7	702.1	707.4	712.7	712.4	710.6	702.7	694.5	682.9	673.5	663.5
62.5°	618.6	626.8	632.0	637.1	637.6	636.8	630.9	625.1	617.3	611.5	604.5
65°	560.4	566.1	569.6	573.7	573.5	572.4	567.1	562.3	555.8	551.7	546.6
67.5°	499.4	503.7	506.5	510.3	511.1	511.3	508.3	506.1	502.9	501.7	500.1
70°	456.0	461.2	465.7	470.5	473.2	474.4	473.2	472.1	470.2	469.4	468.1
72.5°	423.2	427.6	431.0	435.4	438.0	439.8	438.8	438.1	436.5	436.3	435.3
75°	382.4	385.4	387.4	390.8	392.0	393.7	393.0	393.4	392.8	394.1	394.1
77.5°	333.4	335.6	336.5	339.0	339.2	341.2	341.6	344.0	345.7	349.4	351.4
80°	278.2	279.7	279.7	282.1	283.2	286.6	288.2	292.0	293.9	297.1	297.4
82.5°	216.1	214.4	216.1	215.0	218.3	222.0	222.6	225.8	226.6	228.7	227.0
85°	147.7	147.6	146.3	146.6	145.6	146.0	145.5	146.1	145.5	145.6	144.0
87.5°	70.8	71.4	69.8	70.4	68.9	69.5	68.3	69.3	67.8	68.0	65.6
90°	16.3	16.7	17.1	17.5	18.1	19.3	20.5	21.7	23.2	24.3	25.6
92.5°	17.6	18.4	19.1	19.6	20.3	22.3	24.3	26.3	28.3	30.3	32.2
95°	20.1	20.7	21.3	22.0	22.6	25.4	28.3	31.1	34.0	36.9	39.8
97.5°	22.9	23.3	23.6	24.0	24.4	27.7	31.1	34.5	37.8	41.3	44.6
100°	26.3	26.8	27.2	27.7	28.1	35.9	43.6	51.4	59.1	67.0	74.8
102.5°	42.8	45.6	48.3	51.2	53.9	72.8	91.6	110.4	129.1	147.9	166.8
105°	97.6	106.8	116.1	125.2	134.4	162.9	191.4	219.9	248.3	276.8	305.3
107.5°	197.5	213.6	229.9	246.0	262.1	288.9	315.7	342.4	369.2	396.1	422.8
110°	302.6	316.5	330.4	344.4	358.3	379.6	400.9	422.1	443.3	464.6	485.8



TEST NUMBER: P1444578
 CATALOG NUMBER: EHBR1-18-UNV-TA-L850-UPL12

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	364.1	372.6	381.1	389.5	398.0	413.6	429.3	444.9	460.5	475.9	491.5
115°	380.5	384.9	389.5	393.9	398.4	407.8	417.2	426.6	435.9	445.3	454.7
117.5°	370.2	371.9	373.5	374.9	376.5	381.3	386.2	390.9	395.8	400.6	405.4
120°	344.4	344.2	344.1	343.9	343.7	345.1	346.6	348.1	349.7	351.1	352.4
122.5°	315.2	314.0	313.0	311.8	310.7	310.0	309.5	308.8	308.3	307.7	307.2
125°	287.6	286.4	285.3	284.1	282.8	281.4	280.0	278.6	277.1	275.7	274.3
127.5°	264.2	263.2	262.2	261.0	259.9	258.2	256.7	255.0	253.4	251.9	250.2
130°	245.0	244.2	243.4	242.4	241.7	240.3	238.9	237.4	235.9	234.6	233.1
132.5°	231.3	230.7	230.2	229.5	228.9	227.5	226.3	224.9	223.7	222.3	221.1
135°	220.8	220.4	220.2	219.7	219.2	218.2	217.3	216.2	215.2	214.2	213.3
137.5°	212.4	212.2	212.1	211.8	211.7	210.7	209.9	209.0	208.2	207.4	206.6
140°	207.1	207.0	206.9	206.7	206.5	205.6	204.7	203.7	202.9	202.1	201.2
142.5°	201.5	201.5	201.4	201.2	201.0	200.2	199.7	198.9	198.2	197.5	196.8
145°	197.5	197.5	197.6	197.4	197.5	196.7	196.0	195.0	194.4	193.5	192.8
147.5°	193.7	193.7	193.8	193.8	193.9	193.1	192.6	191.8	191.3	190.6	190.1
150°	191.0	191.0	190.9	190.9	190.8	190.2	189.6	188.8	188.3	187.5	187.0
152.5°	188.2	188.3	188.3	188.3	188.4	187.8	187.1	186.4	185.7	185.1	184.5
155°	185.9	186.0	186.0	186.0	186.0	185.5	184.9	184.3	183.7	183.0	182.4
157.5°	184.2	184.3	184.4	184.5	184.5	184.0	183.5	182.9	182.4	181.9	181.4
160°	183.0	183.2	183.3	183.3	183.5	183.1	182.7	182.2	181.8	181.3	180.7
162.5°	182.6	182.8	182.9	182.9	183.1	182.7	182.3	181.9	181.4	180.9	180.4
165°	181.7	181.7	181.8	181.8	181.8	181.5	181.3	181.0	180.7	180.4	180.1
167.5°	182.4	182.4	182.5	182.5	182.5	182.3	182.3	181.9	181.7	181.5	181.3
170°	182.6	182.6	182.6	182.7	182.7	182.5	182.2	182.0	182.0	181.5	181.3
172.5°	182.5	182.5	182.4	182.4	182.3	182.2	182.0	181.9	181.8	181.7	181.5
175°	182.4	182.3	182.2	182.2	182.0	182.0	182.0	182.0	181.9	181.9	181.8
177.5°	183.5	183.4	183.1	182.9	182.8	182.7	182.7	182.7	182.7	182.6	182.5
180°	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8



TEST NUMBER: P1444578
 CATALOG NUMBER: EHBR1-18-UNV-TA-L850-UPL12

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7
2.5°	15678.7	15581.9	15569.1	15575.9	15592.1	15598.1	15615.5	15620.3	15637.9	15642.2	15659.1
5°	16002.2	15874.2	15880.6	15911.4	15958.0	15985.8	16031.6	16055.5	16099.2	16119.1	16158.6
7.5°	16343.3	16242.9	16274.2	16326.1	16389.8	16433.9	16488.9	16524.8	16572.1	16601.6	16639.5
10°	16510.8	16483.3	16517.8	16558.7	16595.0	16623.5	16646.8	16665.4	16677.6	16689.1	16694.1
12.5°	16383.4	16426.1	16431.8	16427.9	16403.9	16385.5	16344.1	16316.1	16266.3	16236.0	16176.7
15°	15910.8	16004.6	15952.7	15874.1	15759.2	15663.3	15528.0	15427.2	15286.2	15190.6	15049.2
17.5°	15081.6	15199.9	15064.7	14882.9	14651.7	14453.8	14207.5	14011.9	13767.0	13588.8	13360.3
20°	13914.2	14024.7	13783.5	13482.3	13124.5	12823.4	12468.5	12185.2	11855.2	11609.8	11313.7
22.5°	12460.7	12539.4	12199.6	11793.4	11337.7	10961.5	10537.1	10197.4	9821.0	9540.4	9224.6
25°	10852.6	10873.8	10466.3	9998.2	9490.3	9067.6	8614.5	8257.4	7873.5	7589.1	7279.2
27.5°	9229.5	9198.4	8757.9	8261.6	7727.3	7287.9	6846.0	6511.4	6175.1	5918.9	5651.9
30°	7697.6	7622.1	7164.7	6654.7	6136.0	5742.3	5375.3	5106.7	4839.1	4635.9	4421.6
32.5°	6292.8	6186.3	5741.1	5263.2	4826.2	4522.3	4250.2	4046.9	3830.9	3659.3	3479.3
35°	5048.4	4935.1	4540.7	4135.5	3804.8	3580.7	3366.9	3200.1	3016.7	2871.9	2715.6
37.5°	3980.6	3887.6	3557.2	3238.5	2988.3	2814.6	2639.5	2503.1	2351.6	2287.8	2120.9
40°	3073.0	3008.0	2749.7	2514.7	2326.8	2245.3	2067.4	1940.1	1826.7	1733.3	1642.9
42.5°	2397.0	2374.0	2122.6	1939.3	1807.0	1704.3	1605.1	1524.7	1446.3	1382.0	1321.2
45°	1759.1	1740.8	1629.2	1523.4	1433.2	1361.4	1294.4	1239.1	1187.9	1145.4	1106.8
47.5°	1369.8	1363.9	1299.7	1234.0	1177.3	1131.1	1087.7	1050.9	1017.0	988.6	979.3
50°	1114.1	1113.3	1075.6	1035.1	994.7	968.0	940.2	918.5	896.7	879.7	861.8
52.5°	946.6	942.5	917.1	892.0	868.0	850.6	832.8	818.9	804.5	794.0	782.8
55°	814.9	819.2	804.5	789.6	774.5	763.6	751.2	742.1	732.2	725.5	718.8
57.5°	723.4	729.1	721.5	712.9	703.8	696.6	688.1	681.8	675.1	670.9	667.1
60°	656.9	663.1	660.1	655.8	650.2	645.8	640.4	636.9	632.6	630.2	628.1
62.5°	600.5	608.2	607.1	605.2	601.5	599.2	596.1	594.6	591.8	590.7	589.8
65°	544.2	552.9	552.7	551.7	549.8	549.1	547.2	546.8	545.5	546.0	545.9
67.5°	499.9	507.4	509.1	510.4	510.3	510.8	510.6	511.4	511.4	512.5	513.1
70°	468.0	473.2	474.4	475.7	476.1	477.1	477.1	477.8	477.6	478.5	478.7
72.5°	435.6	442.6	443.8	444.9	444.9	445.9	445.4	445.2	443.8	443.5	442.5
75°	395.4	404.3	406.3	407.5	407.7	408.6	407.4	406.7	404.3	403.4	401.8
77.5°	353.4	362.7	364.0	364.5	363.7	363.9	361.4	359.7	356.8	355.6	354.0
80°	298.7	312.4	313.5	312.7	310.5	310.1	307.6	306.1	302.5	301.4	300.0
82.5°	227.3	243.3	245.6	246.6	244.9	245.3	242.9	241.9	238.7	238.2	236.0
85°	143.5	159.5	162.2	161.8	160.0	159.6	158.2	158.7	158.4	159.3	159.8
87.5°	65.9	81.4	85.2	84.0	83.8	82.7	80.3	81.1	82.6	83.6	83.7
90°	26.9	32.9	34.0	33.3	31.1	30.3	28.2	27.7	25.9	25.2	23.5
92.5°	34.3	36.2	38.2	36.4	34.7	32.9	31.1	29.3	27.6	25.7	24.1
95°	42.6	45.4	48.2	45.9	43.5	41.2	38.8	36.5	34.2	31.8	29.5
97.5°	47.9	51.3	54.5	52.2	49.8	47.3	45.0	42.7	40.4	38.0	35.7
100°	82.5	90.0	97.7	91.1	84.3	77.6	70.9	64.2	57.6	50.9	44.2
102.5°	185.5	204.1	222.9	206.0	189.1	172.2	155.3	138.4	121.5	104.5	87.7
105°	333.7	362.0	390.4	364.4	338.7	312.9	287.1	261.4	235.6	209.7	184.0
107.5°	449.5	475.8	502.4	479.1	455.8	432.4	409.0	385.7	362.5	339.0	315.8
110°	507.1	527.7	548.8	533.0	517.4	501.6	486.0	470.2	454.6	439.0	423.4



TEST NUMBER: P1444578
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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°	507.1	521.9	537.2	527.9	518.6	509.5	500.3	491.0	481.9	472.8	463.6
115°	463.9	472.5	481.6	477.8	474.1	470.4	466.7	463.0	459.3	455.7	452.1
117.5°	410.1	413.8	418.4	417.6	416.8	416.0	415.2	414.4	413.7	413.0	412.4
120°	353.9	354.2	355.3	355.6	356.0	356.3	356.7	357.0	357.4	357.7	358.2
122.5°	306.5	304.7	303.7	303.9	304.3	304.5	304.8	305.1	305.5	305.8	306.2
125°	272.8	270.0	268.2	267.4	266.6	265.8	265.0	264.1	263.4	262.8	262.1
127.5°	248.5	245.6	243.5	241.9	240.4	238.6	237.0	235.4	233.8	232.0	230.5
130°	231.7	228.7	226.9	224.8	223.0	220.8	218.9	217.0	214.9	212.9	210.9
132.5°	219.7	216.8	215.1	213.3	211.4	209.4	207.6	205.5	203.5	201.6	199.7
135°	212.2	209.5	208.1	206.3	204.7	202.8	201.0	199.3	197.5	195.6	194.0
137.5°	205.6	203.0	201.8	200.3	199.0	197.5	196.2	194.7	193.2	191.6	190.4
140°	200.2	197.4	196.2	195.4	194.6	193.6	192.7	191.9	191.1	190.2	189.2
142.5°	196.2	193.5	192.4	191.8	191.3	190.7	190.3	189.7	189.1	188.3	187.7
145°	191.9	189.0	187.8	187.6	187.6	187.4	187.3	187.1	187.0	186.8	186.7
147.5°	189.3	186.3	185.1	185.1	185.1	185.1	185.2	185.1	185.2	185.2	185.2
150°	186.1	182.8	181.4	181.6	181.7	181.9	182.0	182.2	182.4	182.5	182.7
152.5°	183.7	179.6	178.0	178.2	178.5	178.6	178.9	179.1	179.4	179.6	179.9
155°	181.6	177.2	175.5	175.5	175.5	175.7	175.7	175.9	176.0	176.2	176.4
157.5°	180.6	176.0	174.5	174.4	174.3	174.4	174.4	174.4	174.5	174.6	174.6
160°	180.2	175.6	174.1	174.0	173.9	173.9	173.9	173.8	173.9	174.0	174.1
162.5°	179.9	175.3	173.9	173.7	173.5	173.5	173.6	173.4	173.5	173.5	173.6
165°	179.8	175.8	174.4	174.3	174.4	174.3	174.4	174.4	174.5	174.6	174.7
167.5°	180.9	177.4	176.3	176.2	176.0	175.8	175.8	175.6	175.6	175.5	175.5
170°	181.1	178.2	177.3	177.3	177.4	177.2	177.2	177.3	177.3	177.2	177.3
172.5°	181.3	179.3	178.6	178.7	178.9	178.9	179.1	179.1	179.3	179.4	179.6
175°	181.7	180.5	180.2	180.1	180.1	180.2	180.3	180.3	180.4	180.5	180.7
177.5°	182.5	182.1	181.9	181.9	181.9	181.9	181.9	181.9	181.9	182.0	182.0
180°	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8



TEST NUMBER: P1444578
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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°	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7
2.5°	15662.2	15680.5	15679.1	15696.1	15695.3	15711.3	15708.1	15722.1	15718.8	15730.7	15723.7
5°	16176.0	16210.7	16222.2	16253.5	16260.0	16288.0	16288.6	16310.9	16308.3	16325.7	16316.4
7.5°	16662.0	16694.4	16709.8	16734.2	16746.3	16766.5	16774.4	16791.0	16794.9	16804.7	16804.4
10°	16703.0	16702.9	16710.5	16707.1	16713.9	16709.9	16718.3	16715.2	16727.5	16724.4	16733.6
12.5°	16151.1	16096.3	16076.4	16027.2	16016.3	15974.2	15977.2	15950.1	15963.2	15946.5	15974.9
15°	14965.0	14838.0	14775.2	14664.7	14630.1	14542.7	14535.7	14477.7	14493.3	14463.0	14507.4
17.5°	13212.3	13012.3	12902.5	12741.2	12677.2	12553.7	12528.9	12454.2	12465.8	12428.2	12481.8
20°	11122.6	10880.9	10742.5	10555.9	10472.7	10325.4	10286.4	10202.9	10213.3	10175.9	10236.5
22.5°	9009.1	8756.0	8599.7	8404.2	8298.0	8159.5	8117.9	8034.1	8038.9	8003.7	8062.0
25°	7066.8	6824.3	6672.5	6494.9	6402.7	6275.8	6232.1	6156.8	6161.0	6132.1	6184.3
27.5°	5466.7	5267.7	5140.8	4991.8	4909.2	4804.8	4762.3	4698.9	4698.7	4677.5	4721.2
30°	4271.9	4105.8	3991.9	3862.2	3784.5	3690.4	3649.3	3592.6	3590.1	3575.0	3609.8
32.5°	3344.9	3197.1	3093.1	2979.1	2909.3	2828.6	2789.6	2744.0	2739.9	2726.2	2754.8
35°	2600.2	2475.7	2386.3	2290.3	2297.4	2178.2	2197.9	2105.3	2080.3	2074.8	2096.0
37.5°	2009.6	1913.3	1840.7	1768.7	1720.0	1669.6	1642.5	1618.1	1615.4	1613.0	1627.8
40°	1573.0	1505.5	1452.8	1403.4	1369.9	1339.1	1322.1	1308.8	1305.5	1303.8	1312.8
42.5°	1273.1	1227.6	1193.6	1163.4	1143.1	1126.4	1117.0	1109.6	1107.1	1107.1	1112.4
45°	1075.6	1048.0	1026.1	1007.3	994.4	1000.1	983.3	992.0	980.4	992.4	984.4
47.5°	947.2	923.7	910.2	896.9	889.0	882.7	882.9	883.0	885.5	885.9	888.5
50°	848.2	834.5	825.1	816.7	812.5	809.2	810.4	811.3	813.6	813.8	815.7
52.5°	774.8	765.9	760.2	755.0	753.1	751.2	752.0	751.6	752.8	752.2	753.8
55°	715.2	711.0	709.2	707.2	707.5	706.9	707.3	705.5	704.3	702.8	704.2
57.5°	666.2	665.6	666.9	667.7	669.9	670.7	671.2	669.0	667.0	665.1	666.2
60°	628.5	629.4	632.4	634.8	638.1	639.6	640.4	639.2	637.7	636.1	637.1
62.5°	591.2	592.7	596.2	599.0	602.9	604.9	607.1	607.2	607.8	607.2	607.9
65°	548.1	549.9	553.1	555.4	559.0	560.8	563.0	563.4	564.7	564.4	565.5
67.5°	515.2	516.9	519.5	521.7	524.9	526.8	528.8	528.9	529.3	529.3	530.3
70°	480.2	481.0	483.5	485.2	488.5	490.4	492.7	493.4	494.8	495.1	496.1
72.5°	442.9	442.6	444.0	444.8	447.2	448.7	451.7	453.3	455.7	456.4	457.2
75°	402.2	401.9	403.6	404.3	406.4	407.9	411.2	413.3	417.1	418.6	418.2
77.5°	355.2	356.0	359.2	361.0	363.7	365.7	369.9	373.4	380.1	383.2	380.1
80°	302.5	303.4	306.8	308.4	312.1	314.3	319.1	323.1	329.3	330.6	328.9
82.5°	237.9	238.1	241.1	242.3	247.0	250.5	256.6	259.7	263.5	263.0	262.5
85°	162.2	164.3	168.2	171.9	177.6	183.2	188.9	193.6	190.3	195.5	189.6
87.5°	86.6	86.4	91.5	90.8	98.8	103.4	108.4	110.8	113.5	112.9	113.0
90°	23.1	21.8	21.8	20.5	20.9	19.4	20.2	19.0	20.0	18.4	20.9
92.5°	22.2	21.3	20.3	19.4	18.4	17.6	16.5	15.5	14.6	13.7	14.6
95°	27.1	26.2	25.3	24.4	23.5	22.7	21.8	20.9	20.0	19.2	20.2
97.5°	33.3	32.8	32.3	31.7	31.2	30.7	30.3	29.7	29.1	28.6	29.3
100°	37.5	37.5	37.5	37.5	37.4	37.4	37.4	37.4	37.4	37.4	38.0
102.5°	70.7	69.1	67.4	65.7	64.0	62.3	60.6	58.9	57.3	55.6	58.1
105°	158.2	151.7	145.0	138.3	131.7	125.1	118.6	111.9	105.3	98.7	105.5
107.5°	292.5	280.4	268.4	256.4	244.3	232.2	220.2	208.2	196.2	184.2	195.0
110°	407.7	394.9	382.1	369.3	356.5	343.8	331.0	318.3	305.5	292.7	302.9



TEST NUMBER: P1444578
 CATALOG NUMBER: EHBR1-18-UNV-TA-L850-UPL12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	454.5	446.1	437.8	429.6	421.2	413.0	404.8	396.5	388.4	380.1	385.2
115°	448.5	444.5	440.6	436.5	432.7	428.7	424.7	420.8	417.0	413.0	413.3
117.5°	411.7	410.3	408.9	407.5	406.2	405.0	403.6	402.3	401.1	399.9	397.1
120°	358.7	358.9	359.2	359.7	360.1	360.5	360.8	361.4	361.9	362.4	358.6
122.5°	306.5	307.4	308.1	309.1	310.1	311.1	312.0	313.2	314.2	315.3	311.6
125°	261.3	262.1	262.9	263.8	264.6	265.6	266.6	267.8	268.8	269.9	266.8
127.5°	229.0	229.2	229.3	229.6	229.9	230.1	230.5	231.1	231.6	232.1	230.1
130°	208.9	208.3	207.9	207.4	207.0	206.7	206.4	206.1	206.0	205.8	204.9
132.5°	197.7	196.8	195.8	194.9	194.0	193.2	192.4	191.8	191.2	190.7	190.4
135°	192.1	190.9	189.6	188.3	187.1	186.1	185.1	184.2	183.3	182.4	182.7
137.5°	188.8	187.6	186.2	185.1	183.9	182.9	181.7	180.8	180.0	179.1	179.5
140°	188.4	187.0	185.7	184.6	183.5	182.4	181.4	180.5	179.5	178.8	179.1
142.5°	187.1	186.1	185.0	183.8	182.7	181.8	180.9	180.1	179.2	178.6	178.8
145°	186.4	185.7	184.8	183.9	183.2	182.6	181.8	181.2	180.6	180.2	180.4
147.5°	185.2	184.6	183.8	183.3	182.6	182.2	181.6	181.2	180.7	180.5	180.5
150°	182.8	182.5	182.0	181.7	181.2	180.9	180.6	180.3	180.1	180.0	179.9
152.5°	180.1	179.8	179.4	179.1	178.7	178.5	178.2	178.0	177.8	177.6	177.6
155°	176.6	176.4	176.3	176.1	176.0	176.0	175.9	175.9	175.9	175.8	175.9
157.5°	174.7	174.7	174.7	174.8	174.8	174.9	174.8	175.0	175.0	175.2	175.3
160°	174.3	174.3	174.2	174.2	174.2	174.2	174.1	174.2	174.2	174.3	174.5
162.5°	173.7	173.9	173.9	174.0	174.2	174.3	174.5	174.7	174.8	175.0	175.2
165°	174.8	174.7	174.7	174.7	174.8	174.8	174.8	175.1	175.1	175.2	175.5
167.5°	175.4	175.6	175.6	175.7	175.8	176.0	176.2	176.4	176.6	176.9	177.1
170°	177.3	177.3	177.3	177.3	177.3	177.4	177.5	177.5	177.6	177.7	177.9
172.5°	179.7	179.7	179.6	179.7	179.6	179.7	179.7	179.7	179.7	179.8	179.9
175°	180.6	180.9	181.0	181.0	181.1	181.2	181.3	181.3	181.4	181.5	181.5
177.5°	182.0	182.0	182.0	182.0	182.0	182.1	182.1	182.1	182.1	182.0	182.1
180°	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8



TEST NUMBER: P1444578
 CATALOG NUMBER: EHBR1-18-UNV-TA-L850-UPL12

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7
2.5°	15735.3	15727.5	15735.5	15727.4	15735.5	15725.7	15732.4	15721.8	15724.4	15713.4	15716.3
5°	16330.3	16317.7	16324.4	16308.1	16309.9	16288.0	16287.7	16262.3	16255.6	16226.7	16214.1
7.5°	16811.4	16807.3	16809.6	16799.1	16797.9	16783.0	16775.9	16755.0	16741.9	16715.2	16697.2
10°	16735.3	16747.6	16750.7	16763.2	16765.7	16778.2	16780.8	16793.1	16795.7	16804.9	16805.0
12.5°	15973.5	16015.2	16025.2	16076.6	16098.3	16157.1	16188.6	16253.5	16292.1	16356.7	16396.5
15°	14506.1	14578.2	14606.9	14707.4	14763.0	14880.2	14953.8	15088.5	15183.6	15326.6	15428.5
17.5°	12486.5	12587.2	12632.6	12768.8	12857.7	13030.8	13155.6	13360.9	13518.0	13746.2	13927.1
20°	10246.9	10358.8	10420.5	10575.9	10680.8	10883.0	11038.7	11291.1	11501.4	11790.6	12037.8
22.5°	8080.2	8186.7	8255.3	8413.3	8531.4	8742.3	8916.3	9182.7	9418.5	9744.3	10040.7
25°	6204.1	6301.7	6363.6	6506.6	6617.5	6811.3	6977.5	7233.6	7464.3	7791.1	8095.2
27.5°	4742.9	4824.7	4884.4	5006.3	5104.1	5268.5	5411.3	5623.0	5821.7	6104.5	6375.1
30°	3631.1	3703.6	3761.6	3867.8	3958.5	4101.0	4226.5	4404.3	4568.9	4793.8	5009.1
32.5°	2774.8	2837.2	2888.9	2981.9	3064.1	3192.4	3305.6	3461.4	3602.6	3793.4	3970.6
35°	2115.6	2238.4	2229.7	2358.0	2378.6	2470.6	2571.5	2707.8	2832.9	2995.1	3145.8
37.5°	1642.1	1676.7	1713.6	1770.3	1829.8	1913.6	1998.8	2165.3	2226.4	2349.0	2473.9
40°	1324.2	1347.5	1371.9	1410.3	1451.9	1510.9	1573.0	1652.5	1733.8	1833.3	1934.8
42.5°	1119.5	1132.7	1148.2	1170.8	1196.4	1233.8	1275.4	1329.2	1385.9	1455.8	1527.2
45°	1000.3	994.0	998.6	1010.7	1026.1	1048.9	1075.1	1108.4	1145.3	1190.6	1238.8
47.5°	889.0	891.5	892.9	899.5	907.7	923.0	939.0	961.6	1005.3	1018.6	1044.9
50°	815.6	816.8	816.4	819.7	823.9	833.9	844.2	859.5	874.7	895.1	914.4
52.5°	754.0	755.8	755.5	757.6	759.9	766.2	772.7	783.6	793.6	806.5	817.6
55°	705.4	707.7	708.6	710.5	711.6	714.9	717.5	722.7	726.9	734.3	740.9
57.5°	667.9	671.2	672.8	673.4	672.1	671.9	671.0	672.1	673.0	676.9	680.6
60°	638.6	641.1	641.5	641.1	638.8	637.0	634.3	633.4	632.9	634.8	636.9
62.5°	607.7	608.7	608.0	607.2	604.5	602.8	600.0	598.9	597.9	599.3	600.4
65°	565.1	565.9	565.1	564.7	562.2	560.9	558.4	557.6	556.3	556.6	556.4
67.5°	530.5	531.3	530.7	530.0	528.4	527.5	525.7	524.5	522.9	522.3	521.1
70°	496.1	496.6	495.7	495.1	493.1	492.3	490.6	490.4	489.0	488.7	487.4
72.5°	456.4	456.4	455.0	454.6	453.1	453.1	452.4	453.0	453.0	453.7	453.4
75°	415.7	415.1	413.4	413.1	412.1	412.6	411.8	412.8	412.9	414.4	414.6
77.5°	375.0	373.0	369.6	368.1	365.9	365.6	364.3	365.2	364.9	366.7	367.4
80°	323.7	321.1	316.9	314.9	312.3	311.9	310.7	311.9	311.3	313.3	314.7
82.5°	258.4	256.2	251.9	250.2	247.2	247.5	246.3	247.5	247.3	250.3	252.1
85°	191.2	189.7	185.2	181.2	176.8	174.2	171.6	171.2	170.4	171.6	172.7
87.5°	110.4	109.0	105.5	103.2	95.5	95.8	92.7	92.5	91.8	91.2	92.7
90°	20.6	22.8	22.6	24.7	24.7	26.9	27.2	29.4	29.3	31.5	31.7
92.5°	15.5	16.5	17.5	18.4	19.4	20.3	21.2	22.2	24.3	26.2	28.4
95°	21.3	22.5	23.6	24.7	25.7	26.9	28.0	29.1	32.1	35.1	38.1
97.5°	30.2	30.7	31.5	32.2	33.0	33.7	34.5	35.2	38.5	41.7	45.0
100°	38.6	39.2	39.8	40.4	41.0	41.6	42.1	42.7	49.0	55.3	61.5
102.5°	60.6	63.1	65.5	68.1	70.5	73.0	75.5	78.0	92.4	106.7	121.0
105°	112.4	119.2	126.0	132.8	139.7	146.5	153.4	160.2	183.1	206.0	228.9
107.5°	205.7	216.5	227.3	238.1	248.9	259.7	270.4	281.3	303.6	326.1	348.3
110°	313.2	323.5	333.8	344.1	354.4	364.6	375.0	385.3	398.8	412.3	425.7



TEST NUMBER: P1444578
 CATALOG NUMBER: EHBR1-18-UNV-TA-L850-UPL12

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	390.2	395.1	400.2	405.2	410.3	415.3	420.4	425.5	432.3	439.0	445.9
115°	413.7	414.0	414.4	414.6	415.0	415.4	415.9	416.4	418.5	420.7	423.0
117.5°	394.4	391.6	388.9	386.2	383.5	380.9	378.3	375.8	375.4	375.0	374.8
120°	355.1	351.5	347.8	344.0	340.6	336.9	333.5	330.0	328.4	326.6	324.9
122.5°	308.0	304.4	300.8	297.1	293.7	290.2	286.8	283.5	282.3	281.2	280.0
125°	263.7	260.8	257.8	254.8	252.1	249.2	246.5	243.7	243.8	243.9	244.1
127.5°	228.4	226.6	224.8	223.1	221.5	219.9	218.4	216.8	217.8	218.9	219.7
130°	204.2	203.5	202.8	202.2	201.8	201.2	200.7	200.2	201.9	203.3	205.0
132.5°	190.4	190.4	190.4	190.5	190.6	190.8	191.1	191.2	193.0	194.8	196.6
135°	182.9	183.2	183.7	184.1	184.7	185.2	185.7	186.3	188.1	189.8	191.5
137.5°	180.0	180.4	180.9	181.6	182.3	182.9	183.8	184.5	185.8	187.2	188.6
140°	179.5	179.8	180.2	180.8	181.3	181.9	182.6	183.2	184.5	185.5	186.6
142.5°	179.3	179.5	180.0	180.4	181.0	181.5	182.1	182.6	183.5	184.3	185.4
145°	180.6	180.9	181.3	181.6	182.0	182.5	182.9	183.3	183.9	184.5	185.2
147.5°	180.7	180.9	181.2	181.5	181.9	182.2	182.4	182.7	183.2	183.6	184.0
150°	180.0	180.1	180.3	180.3	180.6	180.9	181.1	181.3	181.7	182.0	182.3
152.5°	177.8	177.9	178.0	178.1	178.3	178.5	178.6	178.8	179.2	179.5	179.8
155°	176.1	176.3	176.5	176.7	177.0	177.1	177.4	177.6	177.9	178.1	178.4
157.5°	175.5	175.6	175.9	176.1	176.3	176.5	176.8	176.9	177.2	177.4	177.6
160°	174.7	175.0	175.2	175.6	175.9	176.1	176.4	176.8	177.0	177.2	177.4
162.5°	175.4	175.6	175.9	176.1	176.3	176.5	176.7	176.9	177.3	177.5	177.8
165°	175.8	176.0	176.4	176.6	177.0	177.3	177.5	177.9	178.0	178.3	178.5
167.5°	177.4	177.6	178.0	178.2	178.5	178.8	179.0	179.3	179.5	179.6	179.9
170°	178.2	178.4	178.6	178.9	179.2	179.3	179.6	179.9	180.1	180.3	180.5
172.5°	180.1	180.1	180.3	180.5	180.7	180.9	181.1	181.3	181.6	181.8	181.9
175°	181.5	181.5	181.6	181.6	181.7	181.7	181.8	181.9	181.9	182.0	182.0
177.5°	182.2	182.2	182.3	182.4	182.5	182.5	182.6	182.7	182.7	182.7	182.7
180°	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8



TEST NUMBER: P1444578
 CATALOG NUMBER: EHBR1-18-UNV-TA-L850-UPL12

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7
2.5°	15705.3	15705.9	15693.3	15692.6	15680.7	15679.2	15667.6	15664.1	15654.8	15651.3	15641.8
5°	16181.8	16166.3	16130.7	16109.7	16074.5	16051.1	16013.0	15988.2	15951.3	15923.5	15886.5
7.5°	16663.7	16639.7	16599.6	16567.2	16518.4	16479.3	16422.1	16375.2	16313.3	16259.7	16194.5
10°	16805.0	16801.3	16791.1	16776.2	16753.5	16727.9	16689.0	16648.3	16594.1	16535.1	16462.8
12.5°	16457.2	16494.8	16546.0	16576.3	16613.3	16629.5	16644.6	16640.8	16630.9	16601.0	16559.2
15°	15576.3	15681.8	15821.6	15929.8	16054.4	16144.9	16244.9	16307.3	16369.4	16398.1	16415.6
17.5°	14175.0	14374.8	14625.2	14832.9	15072.5	15264.9	15475.8	15634.6	15797.9	15914.9	16020.7
20°	12374.8	12664.3	13018.7	13331.8	13695.7	14012.0	14358.7	14643.2	14936.7	15166.2	15383.4
22.5°	10422.5	10766.3	11194.6	11591.5	12060.7	12482.4	12958.2	13372.3	13804.7	14165.9	14515.2
25°	8502.5	8879.6	9348.0	9790.8	10322.2	10812.7	11376.9	11893.1	12452.0	12937.1	13416.5
27.5°	6749.3	7119.6	7597.7	8069.1	8631.1	9153.8	9758.3	10327.0	10963.3	11550.0	12150.3
30°	5308.4	5622.4	6051.2	6507.7	7062.0	7593.9	8205.0	8789.8	9451.8	10092.5	10768.6
32.5°	4205.7	4444.9	4782.0	5168.1	5679.4	6185.7	6767.7	7332.2	7984.2	8631.3	9334.5
35°	3340.1	3526.7	3783.7	4084.9	4518.0	4954.4	5469.2	5982.6	6590.8	7204.9	7888.4
37.5°	2633.9	2785.3	2986.5	3212.8	3560.2	3918.4	4340.4	4766.0	5294.5	5838.9	6458.4
40°	2056.8	2179.3	2336.1	2504.8	2767.1	3043.1	3369.5	3699.6	4124.1	4569.1	5081.7
42.5°	1615.7	1706.1	1816.8	1940.2	2184.9	2331.4	2552.7	2791.5	3103.6	3426.6	3812.0
45°	1297.6	1359.3	1436.0	1518.7	1632.4	1756.6	1908.2	2067.2	2363.7	2509.1	2743.5
47.5°	1083.6	1125.0	1173.8	1226.0	1293.0	1365.3	1455.1	1547.1	1665.9	1789.1	1933.6
50°	939.5	981.6	998.4	1025.4	1064.1	1105.5	1156.1	1206.8	1270.6	1335.2	1409.6
52.5°	832.6	846.2	864.5	881.7	905.7	952.7	967.9	994.4	1030.1	1065.1	1104.2
55°	750.9	759.8	771.7	782.0	796.5	810.5	830.5	848.1	872.0	893.0	918.9
57.5°	687.3	693.0	701.2	708.0	717.5	725.2	737.0	746.5	760.3	772.2	787.9
60°	641.1	644.9	650.5	654.9	660.9	664.9	670.8	675.2	682.5	688.6	697.3
62.5°	603.4	605.4	608.9	611.6	615.4	617.5	620.5	622.5	626.5	629.5	634.5
65°	558.1	558.5	561.0	562.1	565.1	566.2	568.7	569.6	572.9	575.1	579.4
67.5°	521.0	520.0	520.0	519.1	519.5	518.7	518.9	518.1	519.3	520.0	523.4
70°	487.1	485.7	485.2	483.7	483.2	481.6	481.1	479.7	479.5	479.1	480.2
72.5°	454.1	453.7	453.8	452.7	452.6	451.6	451.7	451.0	451.7	452.0	453.5
75°	416.2	416.3	417.1	416.1	416.4	415.4	415.8	414.9	415.4	415.2	416.7
77.5°	370.0	371.1	373.1	372.7	373.4	372.3	372.8	371.6	371.9	371.1	371.7
80°	318.1	320.3	323.1	323.0	324.1	323.4	324.3	323.3	323.7	322.3	322.0
82.5°	256.4	258.3	261.2	261.3	263.8	264.3	267.1	267.0	268.8	267.7	266.9
85°	175.2	176.6	179.2	180.5	183.1	184.7	187.4	188.5	186.5	190.2	187.3
87.5°	91.5	94.9	93.0	97.4	96.5	100.9	99.9	104.1	103.2	106.9	106.4
90°	34.6	35.2	38.1	38.7	42.3	43.3	45.0	43.7	45.2	44.0	45.5
92.5°	30.4	32.5	34.6	36.6	38.7	40.9	38.9	36.9	35.1	33.2	31.2
95°	41.1	44.1	47.1	50.1	53.0	56.1	52.8	49.7	46.5	43.2	40.1
97.5°	48.2	51.4	54.6	57.9	61.1	64.3	60.5	56.7	52.8	49.1	45.4
100°	67.8	74.0	80.3	86.4	92.8	99.0	92.0	84.9	77.8	70.6	63.6
102.5°	135.4	149.7	164.0	178.4	192.6	207.1	191.9	176.9	161.9	146.9	131.7
105°	251.9	274.8	297.7	320.6	343.5	366.6	342.2	317.8	293.3	268.9	244.5
107.5°	370.7	393.1	415.6	437.8	460.2	482.7	457.9	433.2	408.5	383.7	359.0
110°	439.3	452.6	466.2	479.6	493.2	506.8	488.7	470.7	452.6	434.6	416.4



TEST NUMBER: P1444578
 CATALOG NUMBER: EHBR1-18-UNV-TA-L850-UPL12

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	452.5	459.4	466.1	473.1	479.8	486.7	473.8	461.0	448.0	435.1	422.3
115°	425.2	427.4	429.6	432.0	434.3	436.4	427.9	419.1	410.5	401.9	393.1
117.5°	374.5	374.4	374.1	374.0	373.6	373.4	368.6	363.8	358.9	354.1	349.3
120°	323.3	321.7	320.0	318.4	316.7	314.9	313.1	311.1	309.1	307.2	305.0
122.5°	279.0	278.0	276.8	275.7	274.5	273.4	272.8	272.1	271.4	270.6	269.9
125°	244.2	244.3	244.4	244.5	244.6	244.7	244.4	244.1	243.8	243.5	243.1
127.5°	220.7	221.7	222.7	223.6	224.5	225.3	225.3	225.3	225.4	225.4	225.4
130°	206.5	208.1	209.7	211.1	212.6	214.1	214.0	213.9	213.8	213.7	213.6
132.5°	198.4	200.1	201.9	203.7	205.3	207.0	206.9	206.8	206.5	206.4	206.2
135°	193.2	194.9	196.5	198.2	199.8	201.4	201.1	200.9	200.7	200.5	200.2
137.5°	190.0	191.2	192.5	193.9	195.2	196.5	196.2	196.1	195.7	195.5	195.3
140°	187.7	188.8	189.8	191.0	191.8	192.9	192.6	192.2	191.9	191.5	191.2
142.5°	186.0	186.9	187.6	188.6	189.3	190.2	189.5	189.0	188.5	187.9	187.3
145°	185.7	186.3	186.8	187.4	187.8	188.4	187.7	187.0	186.3	185.7	185.0
147.5°	184.4	184.8	185.1	185.5	185.7	186.0	185.4	184.7	184.1	183.4	182.6
150°	182.6	183.1	183.3	183.6	183.9	184.2	183.5	182.7	182.0	181.2	180.5
152.5°	180.1	180.4	180.6	180.8	181.1	181.4	180.6	180.1	179.3	178.6	177.9
155°	178.5	178.8	178.9	179.2	179.2	179.4	178.7	178.3	177.6	177.0	176.4
157.5°	177.8	178.0	178.2	178.3	178.5	178.6	178.2	177.7	177.2	176.8	176.2
160°	177.6	177.7	177.9	178.0	178.2	178.3	177.8	177.6	177.2	176.8	176.3
162.5°	178.1	178.4	178.6	178.7	179.0	179.2	178.8	178.4	177.9	177.4	176.9
165°	178.6	178.8	179.0	179.2	179.2	179.4	179.0	178.8	178.5	178.2	177.8
167.5°	180.0	180.1	180.2	180.4	180.5	180.6	180.2	180.1	179.8	179.5	179.2
170°	180.7	180.9	181.2	181.3	181.5	181.6	181.4	181.2	180.9	180.7	180.4
172.5°	182.1	182.3	182.4	182.5	182.6	182.9	182.6	182.3	182.1	181.8	181.5
175°	182.0	182.1	182.2	182.2	182.2	182.3	182.1	181.9	181.6	181.4	181.2
177.5°	182.7	182.7	182.7	182.7	182.7	182.7	182.6	182.4	182.3	182.1	181.9
180°	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8



TEST NUMBER: P1444578
 CATALOG NUMBER: EHBR1-18-UNV-TA-L850-UPL12

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7	15540.7
2.5°	15638.4	15631.6	15627.3	15621.7	15618.2	15613.9	15610.8	15608.0	15605.9	15603.8	15602.3
5°	15858.3	15823.3	15796.2	15766.8	15742.7	15718.6	15700.1	15684.7	15674.1	15666.2	15661.4
7.5°	16138.2	16074.3	16017.3	15957.5	15903.8	15850.9	15805.5	15766.3	15736.8	15717.7	15706.1
10°	16388.3	16302.7	16217.9	16128.7	16044.2	15962.2	15886.5	15819.9	15767.2	15732.2	15711.7
12.5°	16500.4	16427.4	16340.9	16244.0	16140.4	16035.6	15933.4	15841.3	15764.0	15712.0	15682.1
15°	16401.7	16371.7	16313.0	16237.8	16139.5	16031.2	15911.1	15798.4	15694.6	15627.4	15588.4
17.5°	16080.6	16122.3	16117.9	16089.1	16018.5	15927.3	15805.0	15678.3	15548.6	15458.6	15409.5
20°	15538.7	15670.1	15736.8	15771.1	15743.3	15684.1	15573.4	15444.9	15293.6	15176.2	15104.6
22.5°	14777.2	15009.3	15153.9	15259.7	15282.2	15262.0	15164.2	15042.0	14873.4	14732.3	14626.5
25°	13796.9	14137.0	14365.4	14544.6	14614.2	14632.2	14549.0	14427.4	14239.5	14075.2	13929.8
27.5°	12642.3	13084.0	13389.2	13630.0	13738.6	13785.8	13709.2	13585.1	13362.8	13166.6	12976.8
30°	11342.5	11866.5	12234.0	12522.6	12655.1	12717.4	12636.0	12497.5	12238.9	12002.7	11763.6
32.5°	9951.2	10524.7	10925.0	11238.5	11369.8	11428.3	11321.9	11166.4	10867.4	10589.3	10310.4
35°	8494.4	9073.4	9477.1	9782.3	9892.2	9927.6	9791.5	9611.8	9280.5	8975.2	8671.1
37.5°	7008.2	7546.7	7913.7	8187.6	8255.7	8261.7	8097.8	7899.3	7551.1	7250.0	6947.3
40°	5534.6	5988.9	6285.1	6504.4	6528.0	6506.9	6328.7	6128.9	5803.1	5533.4	5267.7
42.5°	4146.7	4489.6	4701.0	4851.2	4842.2	4800.6	4637.2	4465.4	4196.7	3991.3	3782.2
45°	2957.6	3183.8	3307.3	3395.2	3367.0	3327.3	3200.2	3079.7	2897.1	2764.4	2623.9
47.5°	2054.7	2324.7	2277.7	2449.5	2301.5	2399.3	2195.6	2083.3	1986.5	1915.9	1836.5
50°	1471.0	1532.8	1562.7	1583.1	1572.3	1557.3	1520.7	1488.0	1443.7	1411.4	1373.8
52.5°	1136.0	1166.9	1183.8	1196.1	1193.8	1188.3	1172.3	1157.7	1137.0	1123.3	1106.8
55°	962.2	962.7	993.9	980.5	1000.3	977.1	986.2	960.6	964.7	942.7	928.0
57.5°	799.6	812.2	817.9	823.5	822.0	821.0	814.8	811.7	804.7	802.6	797.6
60°	703.4	710.0	711.4	713.9	711.8	711.0	706.2	704.4	699.8	698.9	695.6
62.5°	637.4	640.7	640.7	640.7	638.0	635.3	629.9	627.2	623.2	622.4	620.4
65°	582.3	585.8	586.4	587.1	585.1	583.1	578.4	575.2	571.2	569.6	567.5
67.5°	525.4	529.2	530.4	532.4	531.2	530.8	527.6	526.4	523.7	523.1	521.0
70°	480.8	482.4	482.3	482.2	479.6	477.4	473.7	471.9	469.0	468.4	466.7
72.5°	454.3	455.4	454.7	453.7	450.4	447.0	442.7	439.5	435.7	433.5	430.8
75°	416.9	418.4	417.4	416.8	413.8	411.7	408.1	406.4	403.7	403.0	401.3
77.5°	371.0	371.7	370.1	370.0	367.8	366.4	363.7	363.2	361.4	361.4	359.7
80°	319.9	319.4	317.1	316.6	314.3	313.7	311.7	311.9	310.3	311.0	309.7
82.5°	263.3	261.8	258.6	257.7	255.1	254.9	253.5	254.6	253.7	255.1	254.3
85°	188.6	189.0	187.6	187.6	186.9	187.1	187.0	187.9	188.0	189.3	189.2
87.5°	105.2	106.7	106.4	107.8	107.7	109.2	109.8	112.1	112.4	114.5	114.5
90°	44.4	46.0	44.8	46.7	46.2	48.3	48.2	50.4	50.1	51.9	51.1
92.5°	29.3	27.4	25.5	23.6	22.6	21.6	20.8	19.6	18.9	17.8	16.8
95°	36.8	33.6	30.4	27.1	26.0	24.9	23.8	22.7	21.5	20.4	19.4
97.5°	41.6	37.7	33.9	30.1	29.1	28.2	27.1	26.1	25.2	24.3	23.3
100°	56.4	49.3	42.2	35.1	34.3	33.5	32.6	31.8	31.0	30.3	29.4
102.5°	116.7	101.7	86.5	71.4	68.6	65.7	62.9	59.9	57.0	54.1	51.3
105°	220.1	195.6	171.1	146.7	138.9	131.1	123.4	115.6	107.8	100.0	92.2
107.5°	334.2	309.3	284.6	259.7	245.5	231.0	216.7	202.3	187.9	173.5	159.1
110°	398.4	380.2	362.2	344.0	332.5	320.9	309.3	297.7	286.3	274.6	263.1



TEST NUMBER: P1444578
 CATALOG NUMBER: EHBR1-18-UNV-TA-L850-UPL12

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	409.4	396.4	383.5	370.4	365.2	360.0	354.8	349.5	344.4	339.0	333.8
115°	384.5	375.8	367.0	358.1	356.5	354.6	352.8	351.0	349.1	347.2	345.4
117.5°	344.5	339.6	334.7	329.8	330.0	330.4	330.8	331.1	331.3	331.5	331.9
120°	302.9	301.0	299.0	296.8	298.6	300.2	301.9	303.4	305.0	306.5	308.0
122.5°	269.1	268.4	267.7	266.9	268.9	270.9	272.9	274.8	276.6	278.4	280.1
125°	242.8	242.5	242.2	241.7	243.9	245.9	247.8	249.8	251.6	253.3	255.2
127.5°	225.4	225.4	225.4	225.3	226.9	228.3	229.8	231.0	232.5	233.7	234.9
130°	213.5	213.3	213.3	213.2	214.4	215.8	217.2	218.4	219.5	220.6	221.7
132.5°	206.1	205.8	205.7	205.5	206.6	207.6	208.4	209.2	210.2	210.9	211.5
135°	200.0	199.7	199.5	199.1	200.2	201.1	202.0	202.7	203.5	204.1	204.8
137.5°	195.1	194.7	194.5	194.2	195.1	195.9	196.8	197.3	198.0	198.6	199.2
140°	190.8	190.4	190.1	189.7	190.4	191.2	191.8	192.5	193.1	193.6	194.1
142.5°	186.7	186.1	185.7	185.1	185.7	186.1	186.6	187.1	187.6	188.0	188.3
145°	184.3	183.6	182.9	182.1	182.6	183.0	183.5	183.9	184.1	184.3	184.7
147.5°	182.0	181.2	180.5	179.9	180.3	180.5	180.8	181.0	181.4	181.5	181.7
150°	179.8	179.0	178.2	177.4	177.7	177.9	178.2	178.4	178.6	178.7	178.9
152.5°	177.2	176.3	175.6	174.8	175.0	175.1	175.3	175.4	175.6	175.6	175.8
155°	175.8	175.1	174.6	173.8	174.0	174.1	174.1	174.3	174.3	174.4	174.3
157.5°	175.7	175.1	174.6	174.1	174.1	174.2	174.1	174.0	174.0	174.0	173.8
160°	175.9	175.4	175.0	174.5	174.5	174.5	174.4	174.3	174.3	174.1	174.0
162.5°	176.4	175.8	175.3	174.7	174.7	174.7	174.6	174.6	174.6	174.4	174.2
165°	177.4	177.1	176.7	176.2	176.1	176.0	175.9	175.7	175.6	175.3	175.2
167.5°	178.8	178.4	178.0	177.5	177.5	177.5	177.5	177.4	177.3	177.1	177.1
170°	180.1	179.8	179.5	179.1	179.0	179.0	178.8	178.7	178.6	178.4	178.3
172.5°	181.1	180.8	180.5	180.1	180.1	180.1	180.0	179.9	179.7	179.6	179.6
175°	180.9	180.6	180.3	180.1	180.1	180.1	180.0	180.0	179.9	179.8	179.7
177.5°	181.7	181.6	181.3	181.2	181.2	181.2	181.1	181.0	181.0	181.0	180.9
180°	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8



TEST NUMBER: P1444578
 CATALOG NUMBER: EHBR1-18-UNV-TA-L850-UPL12

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	15540.7	15540.7
2.5°	15600.9	15600.2
5°	15659.0	15658.0
7.5°	15703.1	15702.8
10°	15708.3	15711.0
12.5°	15677.0	15679.1
15°	15585.4	15589.6
17.5°	15410.4	15416.0
20°	15109.0	15114.8
22.5°	14620.8	14623.2
25°	13911.0	13900.9
27.5°	12943.4	12926.1
30°	11713.4	11696.6
32.5°	10246.7	10236.3
35°	8595.9	8589.2
37.5°	6857.9	6844.3
40°	5170.5	5131.2
42.5°	3690.6	3621.7
45°	2550.5	2468.8
47.5°	1780.5	1730.0
50°	1349.6	1333.2
52.5°	1099.7	1095.8
55°	927.9	926.2
57.5°	798.8	798.2
60°	697.3	697.1
62.5°	621.7	622.0
65°	568.4	568.5
67.5°	521.5	521.2
70°	467.4	467.0
72.5°	430.0	429.4
75°	401.3	400.8
77.5°	360.2	359.6
80°	310.6	309.7
82.5°	255.4	254.5
85°	190.6	190.6
87.5°	116.6	116.5
90°	52.7	51.7
92.5°	16.0	15.1
95°	18.3	17.2
97.5°	22.4	21.4
100°	28.6	27.8
102.5°	48.4	45.6
105°	84.5	76.7
107.5°	144.7	130.3
110°	251.5	239.9



TEST NUMBER: P1444578
CATALOG NUMBER: EHBR1-18-UNV-TA-L850-UPL12

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	328.5	323.2
115°	343.3	341.4
117.5°	332.0	332.2
120°	309.3	310.8
122.5°	281.8	283.6
125°	256.9	258.5
127.5°	235.9	237.0
130°	222.5	223.5
132.5°	212.1	212.6
135°	205.2	205.7
137.5°	199.6	199.9
140°	194.4	194.7
142.5°	188.5	188.7
145°	184.8	184.9
147.5°	181.5	181.7
150°	178.8	178.9
152.5°	175.6	175.7
155°	174.3	174.2
157.5°	173.6	173.5
160°	173.8	173.7
162.5°	174.0	174.0
165°	174.9	174.6
167.5°	176.8	176.8
170°	178.1	178.0
172.5°	179.4	179.3
175°	179.6	179.6
177.5°	180.9	180.8
180°	181.8	181.8

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: SP1-2506-472-4

Test Date: 07/31/2025

Luminaire Tested: EHBR-60-L850-N

Data in this report applies to families of products including EHBR-60-L850-N

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-4
 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-L850-N**
 Description: Elevate Round Highbay at, 60000 lumens, 5000K 80CRI LEDs with N lens

Spectral Parameters

CCT (K): 4875
 CIE u': 0.2124
 CIE v': 0.4871
 Duv: 0.0005
 CIE x: 0.3488
 CIE y: 0.3555
 CIE z: 0.2957
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 573
 Purity: 11.33556
 Rf: 80
 Rg: 102.3

CRI (Ra):	82.3		
R1:	85.0	R9:	43.9
R2:	83.1	R10:	57.4
R3:	78.8	R11:	83.1
R4:	84.0	R12:	51.0
R5:	83.0	R13:	83.4
R6:	76.3	R14:	87.4
R7:	86.8	R15:	83.4
R8:	81.7		



Test Conditions

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

REPORT NUMBER: SP1-2506-472-4

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: SP1-2506-472-4

CIE 1931 Chromaticity Diagram



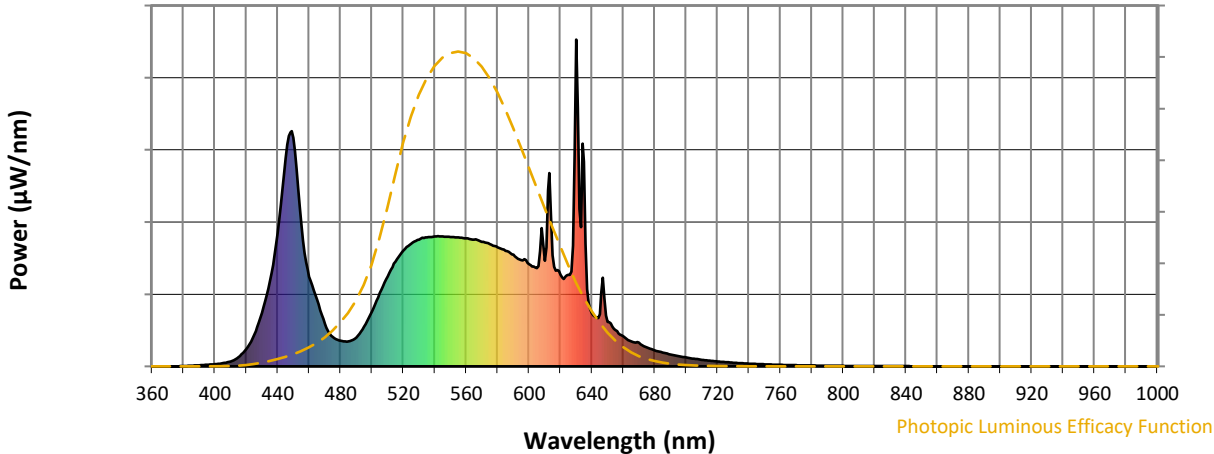
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-4

Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)
360	0	NR	490	89	NR	620	280	NR	750	6	NR	880	0	NR
365	0	NR	495	121	NR	625	280	NR	755	5	NR	885	0	NR
370	0	NR	500	168	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	224	NR	635	626	NR	765	4	NR	895	0	NR
380	1	NR	510	275	NR	640	163	NR	770	4	NR	900	0	NR
385	2	NR	515	321	NR	645	160	NR	775	3	NR	905	0	NR
390	3	NR	520	354	NR	650	136	NR	780	3	NR	910	0	NR
395	5	NR	525	375	NR	655	111	NR	785	2	NR	915	0	NR
400	7	NR	530	388	NR	660	93	NR	790	2	NR	920	0	NR
405	10	NR	535	395	NR	665	76	NR	795	2	NR	925	0	NR
410	15	NR	540	397	NR	670	72	NR	800	2	NR	930	0	NR
415	28	NR	545	398	NR	675	57	NR	805	1	NR	935	0	NR
420	53	NR	550	396	NR	680	49	NR	810	1	NR	940	0	NR
425	97	NR	555	395	NR	685	42	NR	815	1	NR	945	0	NR
430	163	NR	560	392	NR	690	37	NR	820	1	NR	950	0	NR
435	261	NR	565	388	NR	695	32	NR	825	1	NR	955	0	NR
440	409	NR	570	381	NR	700	27	NR	830	1	NR	960	0	NR
445	637	NR	575	374	NR	705	23	NR	835	1	NR	965	0	NR
450	699	NR	580	365	NR	710	20	NR	840	1	NR	970	0	NR
455	436	NR	585	354	NR	715	17	NR	845	0	NR	975	0	NR
460	274	NR	590	342	NR	720	15	NR	850	0	NR	980	0	NR
465	205	NR	595	325	NR	725	13	NR	855	0	NR	985	0	NR
470	130	NR	600	313	NR	730	11	NR	860	0	NR	990	0	NR
475	90	NR	605	301	NR	735	10	NR	865	0	NR	995	0	NR
480	78	NR	610	323	NR	740	8	NR	870	0	NR	1000	0	NR
485	77	NR	615	340	NR	745	7	NR	875	0	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.82

λ (nm)	Power W^{\wedge}/nm	Lumens (ϕ/nm)	λ (nm)	Power W^{\wedge}/nm	Lumens (ϕ/nm)	λ (nm)	Power W^{\wedge}/nm	Lumens (ϕ/nm)	λ (nm)	Power W^{\wedge}/nm	Lumens (ϕ/nm)	λ (nm)	Power W^{\wedge}/nm	Lumens (ϕ/nm)
360	0	NR	490	89	NR	620	280	NR	750	6	NR	880	0	NR
365	0	NR	495	121	NR	625	280	NR	755	5	NR	885	0	NR
370	0	NR	500	168	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	224	NR	635	626	NR	765	4	NR	895	0	NR
380	1	NR	510	275	NR	640	163	NR	770	4	NR	900	0	NR
385	2	NR	515	321	NR	645	160	NR	775	3	NR	905	0	NR
390	3	NR	520	354	NR	650	136	NR	780	3	NR	910	0	NR
395	5	NR	525	375	NR	655	111	NR	785	2	NR	915	0	NR
400	7	NR	530	388	NR	660	93	NR	790	2	NR	920	0	NR
405	10	NR	535	395	NR	665	76	NR	795	2	NR	925	0	NR
410	15	NR	540	397	NR	670	72	NR	800	2	NR	930	0	NR
415	28	NR	545	398	NR	675	57	NR	805	1	NR	935	0	NR
420	53	NR	550	396	NR	680	49	NR	810	1	NR	940	0	NR
425	97	NR	555	395	NR	685	42	NR	815	1	NR	945	0	NR
430	163	NR	560	392	NR	690	37	NR	820	1	NR	950	0	NR
435	261	NR	565	388	NR	695	32	NR	825	1	NR	955	0	NR
440	409	NR	570	381	NR	700	27	NR	830	1	NR	960	0	NR
445	637	NR	575	374	NR	705	23	NR	835	1	NR	965	0	NR
450	699	NR	580	365	NR	710	20	NR	840	1	NR	970	0	NR
455	436	NR	585	354	NR	715	17	NR	845	0	NR	975	0	NR
460	274	NR	590	342	NR	720	15	NR	850	0	NR	980	0	NR
465	205	NR	595	325	NR	725	13	NR	855	0	NR	985	0	NR
470	130	NR	600	313	NR	730	11	NR	860	0	NR	990	0	NR
475	90	NR	605	301	NR	735	10	NR	865	0	NR	995	0	NR
480	78	NR	610	323	NR	740	8	NR	870	0	NR	1000	0	NR
485	77	NR	615	340	NR	745	7	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.71

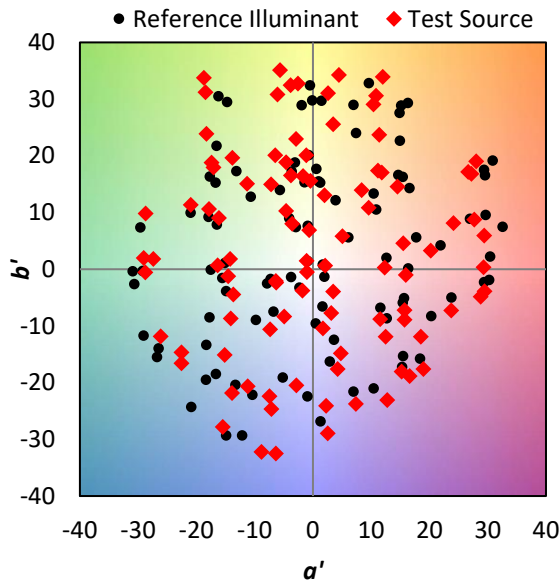
λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)
360	0	NR	490	89	NR	620	280	NR	750	6	NR	880	0	NR
365	0	NR	495	121	NR	625	280	NR	755	5	NR	885	0	NR
370	0	NR	500	168	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	224	NR	635	626	NR	765	4	NR	895	0	NR
380	1	NR	510	275	NR	640	163	NR	770	4	NR	900	0	NR
385	2	NR	515	321	NR	645	160	NR	775	3	NR	905	0	NR
390	3	NR	520	354	NR	650	136	NR	780	3	NR	910	0	NR
395	5	NR	525	375	NR	655	111	NR	785	2	NR	915	0	NR
400	7	NR	530	388	NR	660	93	NR	790	2	NR	920	0	NR
405	10	NR	535	395	NR	665	76	NR	795	2	NR	925	0	NR
410	15	NR	540	397	NR	670	72	NR	800	2	NR	930	0	NR
415	28	NR	545	398	NR	675	57	NR	805	1	NR	935	0	NR
420	53	NR	550	396	NR	680	49	NR	810	1	NR	940	0	NR
425	97	NR	555	395	NR	685	42	NR	815	1	NR	945	0	NR
430	163	NR	560	392	NR	690	37	NR	820	1	NR	950	0	NR
435	261	NR	565	388	NR	695	32	NR	825	1	NR	955	0	NR
440	409	NR	570	381	NR	700	27	NR	830	1	NR	960	0	NR
445	637	NR	575	374	NR	705	23	NR	835	1	NR	965	0	NR
450	699	NR	580	365	NR	710	20	NR	840	1	NR	970	0	NR
455	436	NR	585	354	NR	715	17	NR	845	0	NR	975	0	NR
460	274	NR	590	342	NR	720	15	NR	850	0	NR	980	0	NR
465	205	NR	595	325	NR	725	13	NR	855	0	NR	985	0	NR
470	130	NR	600	313	NR	730	11	NR	860	0	NR	990	0	NR
475	90	NR	605	301	NR	735	10	NR	865	0	NR	995	0	NR
480	78	NR	610	323	NR	740	8	NR	870	0	NR	1000	0	NR
485	77	NR	615	340	NR	745	7	NR	875	0	NR			

Summary

$R_f = 80$
 $R_g = 102.3$
 $CIE R_a = 82.3$
 $R_9 = 43.9$

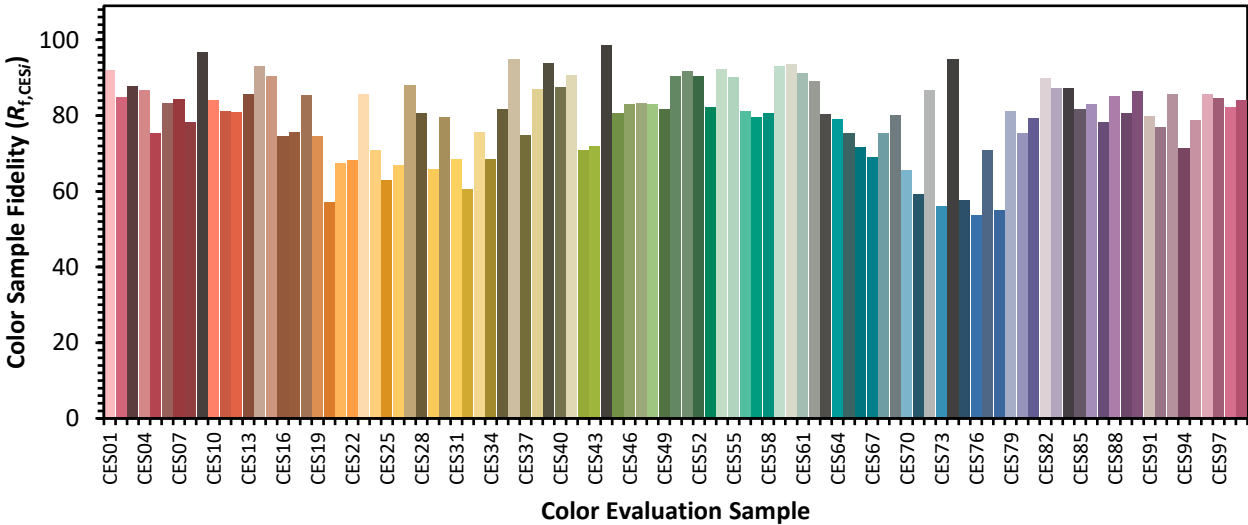


Color Vector Graphics

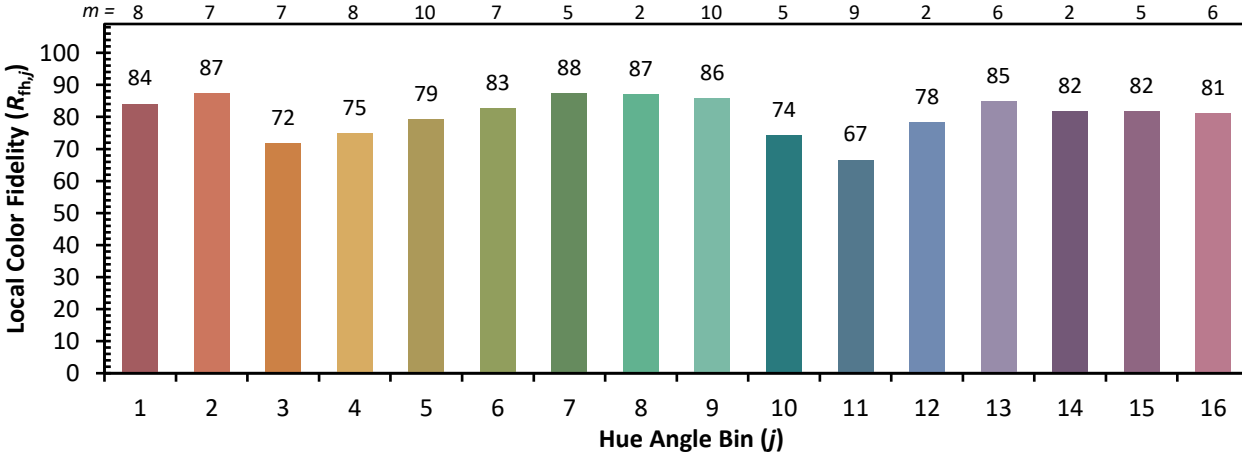


Individual Sample Fidelity Index ($R_{f,i}$)

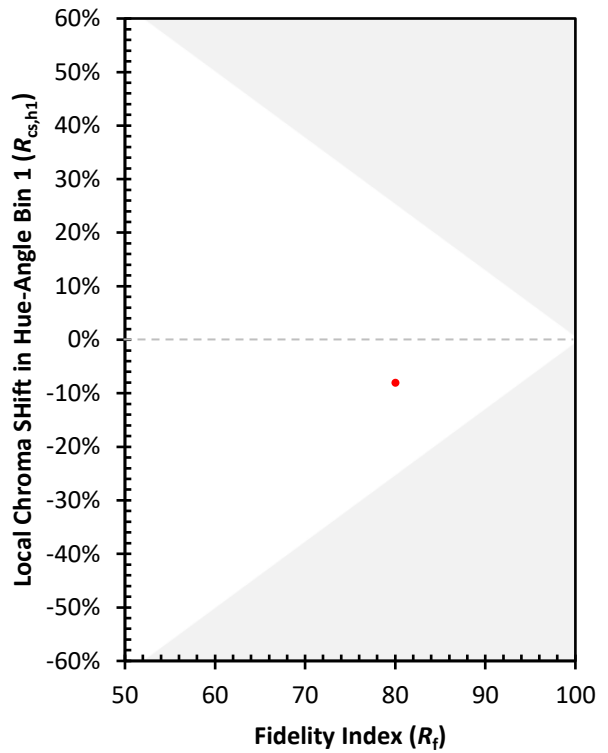
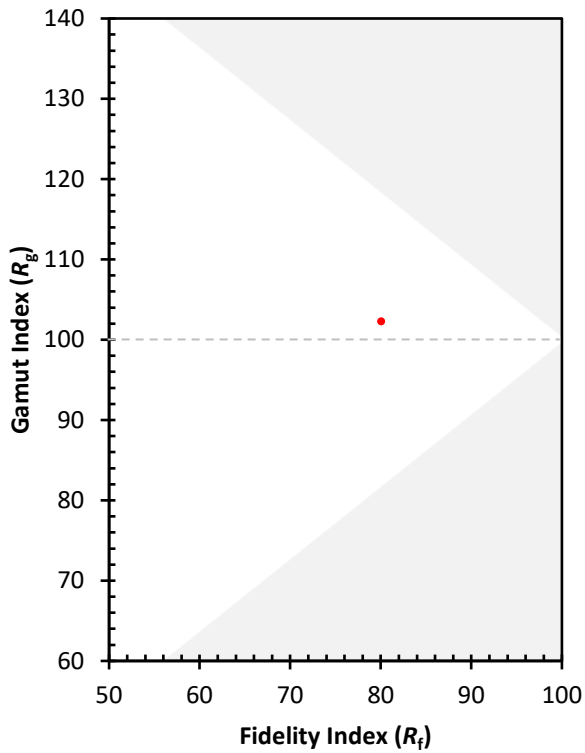
CES01 = 85	CES26 = 67	CES51 = 92	CES76 = 54
CES02 = 60	CES27 = 88	CES52 = 91	CES77 = 71
CES03 = 31	CES28 = 81	CES53 = 82	CES78 = 55
CES04 = 69	CES29 = 66	CES54 = 92	CES79 = 81
CES05 = 47	CES30 = 80	CES55 = 90	CES80 = 75
CES06 = 50	CES31 = 69	CES56 = 81	CES81 = 79
CES07 = 40	CES32 = 61	CES57 = 80	CES82 = 90
CES08 = 39	CES33 = 76	CES58 = 81	CES83 = 87
CES09 = 29	CES34 = 68	CES59 = 93	CES84 = 87
CES10 = 73	CES35 = 82	CES60 = 94	CES85 = 82
CES11 = 56	CES36 = 95	CES61 = 91	CES86 = 83
CES12 = 62	CES37 = 75	CES62 = 89	CES87 = 78
CES13 = 42	CES38 = 87	CES63 = 80	CES88 = 85
CES14 = 74	CES39 = 94	CES64 = 79	CES89 = 81
CES15 = 71	CES40 = 87	CES65 = 75	CES90 = 86
CES16 = 46	CES41 = 91	CES66 = 72	CES91 = 80
CES17 = 48	CES42 = 71	CES67 = 69	CES92 = 77
CES18 = 56	CES43 = 72	CES68 = 75	CES93 = 86
CES19 = 70	CES44 = 99	CES69 = 80	CES94 = 71
CES20 = 65	CES45 = 81	CES70 = 66	CES95 = 79
CES21 = 85	CES46 = 83	CES71 = 59	CES96 = 86
CES22 = 77	CES47 = 83	CES72 = 87	CES97 = 85
CES23 = 91	CES48 = 83	CES73 = 56	CES98 = 82
CES24 = 90	CES49 = 82	CES74 = 95	CES99 = 84
CES25 = 71	CES50 = 91	CES75 = 58	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)