

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: P1444789

Luminaire Tested: EHBR1-12-UNV-TA-L940-UPL24

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444789
REPORT IS A COMBINATION OF REPORTS P1444327 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-12-UNV-TA-L940-UPL24
Description: Elevate Round Highbay at, 12000 lumens, 4000K 90CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

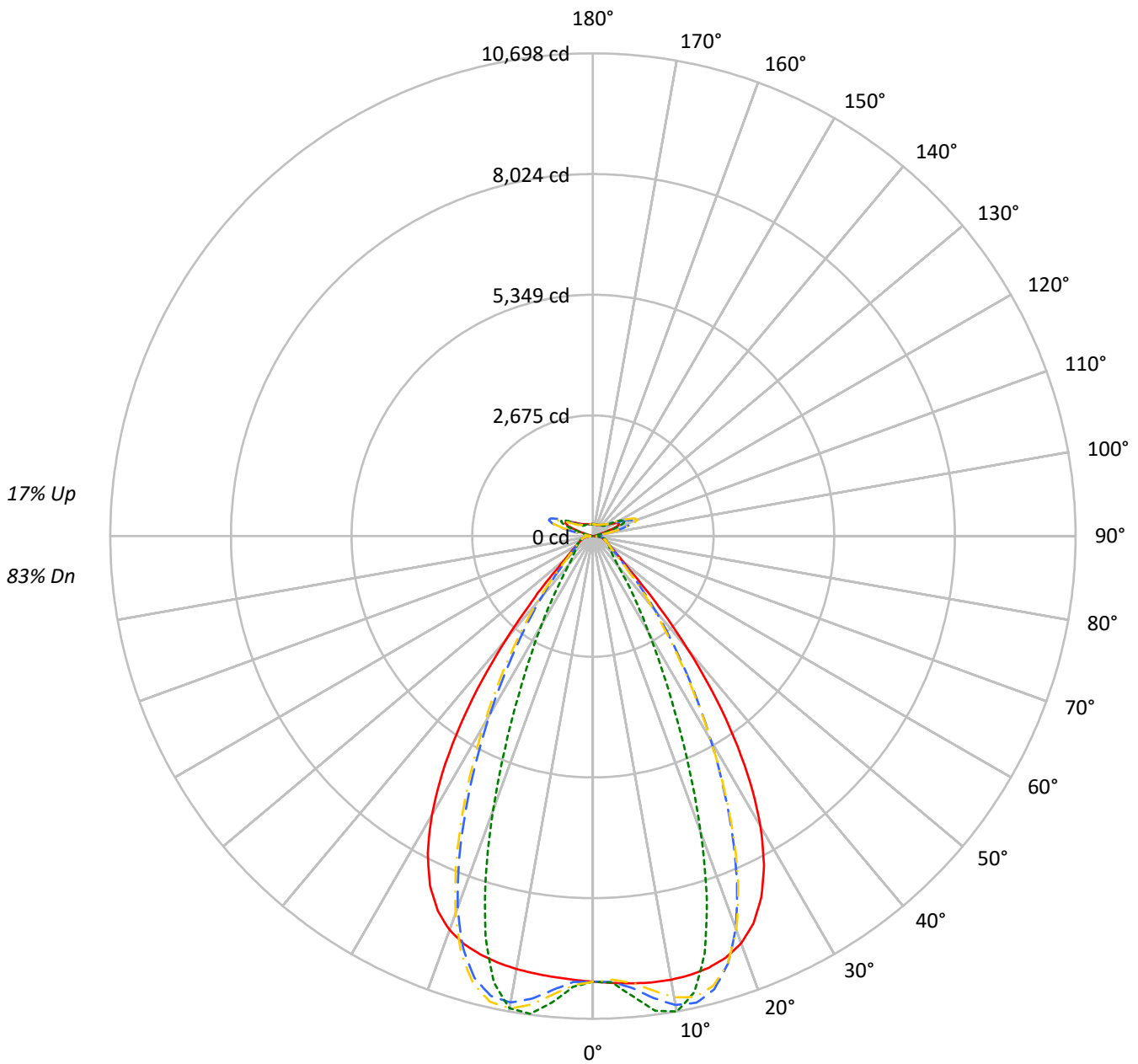
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13699.9 lumens
Efficiency: N/A
Efficacy: 168.7 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): 81.2
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: P1444789
CATALOG NUMBER: EHBR1-12-UNV-TA-L940-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	115	115	115	115	110	110	110	110	102	102	102	94	94	94	86	86	86	86	86	86	83
1	108	104	101	98	103	100	98	95	93	91	89	86	85	83	80	79	78	78	78	78	75
2	101	95	90	86	97	92	87	83	85	82	79	80	77	75	75	73	71	71	71	71	68
3	94	87	81	76	91	84	78	74	79	74	71	74	70	68	70	67	64	64	64	64	62
4	89	80	73	68	85	77	71	67	73	68	64	69	65	62	65	62	59	59	59	59	57
5	83	73	67	62	80	71	65	61	68	62	58	64	60	56	61	57	54	54	54	54	52
6	78	68	61	56	76	66	60	55	63	58	54	60	55	52	57	53	50	50	50	50	48
7	74	63	56	52	71	62	55	51	59	53	49	56	52	48	54	50	47	47	47	47	45
8	70	59	52	48	67	58	51	47	55	50	46	53	48	45	50	46	43	43	43	43	42
9	66	55	49	44	64	54	48	44	52	46	43	50	45	42	48	44	41	41	41	41	39
10	63	52	45	41	61	51	45	41	49	43	40	47	42	39	45	41	38	38	38	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	46375	46375	46375	46375
5°	46600	47959	45947	48587
10°	46989	50353	45862	50020
15°	47219	45645	45782	43807
20°	46731	34003	45202	31462
25°	44233	21505	42771	19512
30°	38641	12923	37144	11810
35°	29738	8109	28028	7183
40°	18812	5087	17212	4780
45°	9696	3963	9535	3898
50°	5685	3525	5510	3470
55°	4355	3334	4194	3305
60°	3685	3407	3529	3362
65°	3461	3558	3328	3437
70°	3381	3724	3213	3584
75°	3616	3951	3420	3776
80°	3743	4374	3391	3994
85°	3523	4222	2846	3614

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 14839 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	973.2	7.1
10°-20°	2737.8	20.0
20°-30°	3118.1	22.8
30°-40°	2241.2	16.4
40°-50°	1033.6	7.5
50°-60°	494.6	3.6
60°-70°	360.9	2.6
70°-80°	274.2	2.0
80°-90°	128.7	0.9
90°-100°	63.7	0.5
100°-110°	398.0	2.9
110°-120°	736.0	5.4
120°-130°	441.9	3.2
130°-140°	273.3	2.0
140°-150°	194.1	1.4
150°-160°	129.7	0.9
160°-170°	75.5	0.6
170°-180°	25.3	0.2
0°-30°	6829.2	49.8
0°-40°	9070.4	66.2
0°-60°	10598.6	77.4
0°-90°	11362.4	82.9
90°-120°	1197.7	8.7
90°-150°	2107.0	15.4
90°-180°	2337.0	17.1
0°-180°	13699.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	9875	9875	9875	9875	9875	
5°	9950	10240	9810	10374	9950	951
15°	9906	9576	9605	9190	9906	2791
25°	8833	4295	8541	3897	8833	4004
35°	5458	1488	5144	1318	5458	3350
45°	1569	641	1543	631	1569	1334
55°	588	451	567	447	588	543
65°	361	371	347	359	361	361
75°	255	278	241	266	255	265
85°	121	145	98	124	121	114
90°	44	52	20	23	44	26
95°	29	33	29	33	29	28
105°	140	184	92	184	140	187
115°	639	782	669	782	639	589
125°	468	503	532	503	468	427
135°	352	323	381	324	352	275
145°	300	300	320	302	300	190
155°	270	276	290	277	270	126
165°	261	264	271	264	261	74
175°	262	265	267	266	262	25
180°	265	265	265	265	265	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3
2.5°	9913.0	9912.2	9912.1	9911.4	9911.2	9911.2	9910.8	9910.0	9909.5	9908.4	9907.1
5°	9949.8	9949.3	9949.6	9949.7	9948.9	9947.5	9945.0	9942.1	9938.3	9934.8	9931.7
7.5°	9978.2	9978.9	9979.8	9979.6	9977.5	9973.8	9968.9	9966.1	9967.8	9973.2	9985.5
10°	9983.4	9987.7	9989.3	9988.8	9984.5	9981.4	9982.6	9993.0	10013.9	10041.6	10079.7
12.5°	9963.2	9968.4	9968.2	9966.5	9962.3	9966.6	9981.7	10012.9	10057.5	10112.3	10176.6
15°	9906.4	9913.1	9911.2	9909.0	9906.2	9920.1	9950.3	10004.5	10073.4	10150.7	10229.7
17.5°	9796.0	9804.2	9800.2	9797.7	9795.3	9821.4	9873.5	9952.7	10039.5	10126.9	10201.9
20°	9604.6	9610.0	9600.6	9596.2	9600.0	9651.1	9727.8	9829.0	9920.4	10003.1	10054.3
22.5°	9292.2	9299.0	9281.3	9279.3	9301.1	9379.7	9476.6	9589.7	9675.7	9741.3	9760.9
25°	8833.3	8839.9	8819.0	8831.4	8868.6	8975.8	9091.2	9212.1	9285.5	9334.1	9320.6
27.5°	8213.8	8219.9	8200.0	8225.6	8284.3	8425.0	8560.9	8692.1	8757.5	8791.5	8748.4
30°	7432.5	7445.2	7421.6	7457.4	7546.9	7729.7	7885.4	8032.5	8097.7	8123.6	8056.5
32.5°	6504.6	6522.5	6496.6	6549.8	6674.8	6894.3	7071.1	7235.5	7307.6	7337.2	7261.4
35°	5458.0	5483.8	5454.0	5533.9	5688.0	5932.4	6128.3	6311.8	6397.2	6439.1	6362.8
37.5°	4349.2	4373.8	4357.7	4464.2	4633.4	4886.8	5086.7	5284.7	5381.2	5444.0	5383.8
40°	3260.6	3283.1	3295.2	3417.1	3576.3	3815.1	4007.0	4202.9	4310.9	4389.7	4352.6
42.5°	2301.4	2324.0	2365.4	2483.0	2615.7	2813.4	2977.8	3153.7	3256.8	3341.0	3326.6
45°	1568.8	1595.1	1647.0	1743.2	1839.3	1981.1	2101.8	2238.7	2322.9	2399.9	2400.9
47.5°	1099.3	1117.8	1164.2	1229.9	1292.5	1470.0	1477.3	1544.6	1601.1	1658.8	1666.2
50°	847.2	858.3	882.9	919.6	955.0	1001.1	1043.3	1092.1	1126.9	1158.5	1166.0
52.5°	696.4	703.4	716.0	735.8	756.3	781.5	804.0	830.7	849.8	866.6	870.2
55°	588.5	594.4	613.0	616.8	640.3	644.9	654.9	671.2	682.2	692.3	694.9
57.5°	507.2	511.5	515.4	523.9	531.1	541.7	550.1	561.8	568.8	576.0	576.7
60°	443.0	446.1	448.9	454.7	459.7	467.0	472.9	480.8	485.8	491.3	491.9
62.5°	395.2	397.4	399.3	403.2	406.7	412.3	417.0	423.6	428.3	432.5	433.4
65°	361.3	362.9	364.1	367.0	370.0	374.9	379.1	384.5	387.9	391.2	391.9
67.5°	331.2	332.7	334.0	336.6	338.7	342.4	345.2	349.3	351.8	354.4	354.5
70°	296.7	298.1	299.1	301.6	303.3	306.3	308.7	312.3	314.9	317.8	318.5
72.5°	272.9	273.7	274.9	277.3	279.6	282.9	285.9	289.7	292.9	296.0	297.2
75°	254.7	255.6	256.5	258.4	260.1	262.9	265.1	268.6	271.4	274.6	276.2
77.5°	228.5	229.7	230.4	232.3	233.7	236.4	238.0	241.2	243.4	246.4	247.8
80°	196.9	197.9	198.4	200.2	201.3	203.8	205.4	208.5	210.4	213.3	215.0
82.5°	161.7	162.8	163.0	164.8	165.4	167.4	168.6	171.7	174.0	177.9	180.5
85°	121.1	121.5	122.0	121.6	124.1	124.2	127.0	127.5	131.2	132.1	136.3
87.5°	74.1	75.2	75.6	77.3	78.1	79.7	80.3	82.1	83.1	85.2	86.1
90°	43.8	46.4	47.8	50.6	52.0	54.6	55.9	58.7	60.1	63.0	65.5
92.5°	25.6	27.5	29.2	31.1	32.9	35.0	36.9	38.8	40.6	42.7	46.4
95°	29.3	31.5	33.5	35.7	37.7	39.9	41.9	44.1	46.1	48.3	54.4
97.5°	37.1	38.9	40.7	42.6	44.3	46.2	48.0	49.8	51.6	53.5	60.7
100°	48.7	50.3	51.8	53.4	54.9	56.5	57.9	59.5	61.0	62.6	76.2
102.5°	81.8	87.3	92.7	98.2	103.7	109.1	114.6	120.1	125.5	131.0	159.7
105°	140.3	155.0	169.9	184.7	199.6	214.4	229.2	244.0	258.8	273.6	320.4
107.5°	241.6	268.9	296.4	323.7	351.2	378.6	406.1	433.5	460.9	488.3	535.7
110°	449.0	470.9	493.0	515.1	537.2	559.3	581.3	603.3	625.4	647.5	682.1



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	606.0	616.0	626.1	636.0	646.1	656.2	666.1	676.1	686.2	696.1	720.9
115°	638.6	642.2	645.7	649.3	652.9	656.4	660.0	663.5	667.1	670.5	687.4
117.5°	618.5	618.0	617.5	617.0	616.4	615.9	615.4	614.8	614.2	613.7	623.3
120°	574.6	571.8	568.9	565.9	563.0	559.9	557.0	554.0	551.1	548.0	552.3
122.5°	519.5	516.0	512.6	509.1	505.5	502.0	498.4	494.8	491.3	487.7	489.5
125°	468.4	464.9	461.4	457.9	454.3	450.6	447.1	443.5	439.8	436.2	437.3
127.5°	423.6	421.2	418.9	416.4	413.9	411.3	408.8	406.3	403.9	401.3	401.7
130°	394.0	391.9	389.7	387.6	385.3	383.0	380.8	378.5	376.3	374.0	374.7
132.5°	369.4	368.0	366.6	365.0	363.5	361.9	360.5	358.7	357.2	355.6	356.4
135°	352.4	351.1	349.8	348.4	347.0	345.6	344.1	342.7	341.3	339.7	340.7
137.5°	337.8	336.7	335.5	334.3	333.0	331.7	330.4	329.1	327.7	326.4	327.2
140°	324.5	323.5	322.3	321.2	320.1	319.0	317.8	316.6	315.4	314.2	315.3
142.5°	309.8	309.0	308.3	307.3	306.6	305.6	304.6	303.7	302.8	301.9	303.3
145°	299.8	299.2	298.6	297.8	297.2	296.4	295.7	294.9	294.1	293.4	294.9
147.5°	291.0	290.6	290.1	289.6	289.1	288.4	287.9	287.2	286.7	286.0	287.4
150°	283.3	282.8	282.5	281.9	281.4	280.8	280.2	279.7	279.1	278.5	280.0
152.5°	275.5	275.0	274.6	274.1	273.6	273.1	272.6	271.9	271.4	270.8	272.0
155°	270.3	269.8	269.3	268.9	268.4	267.8	267.3	266.8	266.3	265.7	266.8
157.5°	266.5	266.1	265.9	265.4	265.1	264.7	264.4	263.9	263.7	263.3	264.0
160°	264.0	263.7	263.4	263.1	262.6	262.4	262.0	261.6	261.2	261.0	261.6
162.5°	261.7	261.3	261.0	260.7	260.4	259.9	259.6	259.3	259.0	258.5	259.4
165°	260.6	260.4	260.2	260.0	259.8	259.6	259.5	259.3	259.1	258.9	259.4
167.5°	261.9	261.5	261.3	261.0	260.7	260.4	260.1	259.7	259.6	259.1	259.7
170°	261.7	261.5	261.4	261.3	261.1	261.0	261.0	260.8	260.6	260.5	261.0
172.5°	262.5	262.4	262.3	262.3	262.1	262.0	261.9	261.8	261.7	261.6	262.1
175°	262.0	261.8	261.8	261.7	261.6	261.6	261.5	261.4	261.4	261.3	261.6
177.5°	263.6	263.5	263.5	263.5	263.5	263.5	263.4	263.3	263.3	263.3	263.6
180°	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3
2.5°	9906.2	9905.0	9903.3	9901.2	9899.5	9897.3	9892.4	9890.9	9892.6	9893.7	9895.9
5°	9929.7	9930.4	9930.7	9935.2	9939.1	9948.8	10024.7	10054.9	10078.3	10093.1	10115.6
7.5°	10000.7	10023.5	10046.1	10076.5	10102.7	10138.1	10271.0	10327.6	10367.8	10396.7	10432.3
10°	10120.9	10170.8	10217.5	10272.2	10319.4	10373.2	10496.9	10552.1	10586.9	10612.3	10635.9
12.5°	10242.0	10311.2	10373.7	10434.6	10485.6	10532.3	10575.9	10595.1	10596.7	10597.6	10585.0
15°	10305.2	10371.3	10426.3	10466.6	10496.6	10509.8	10434.9	10395.6	10345.9	10305.0	10237.7
17.5°	10265.3	10305.0	10328.8	10326.5	10314.1	10272.6	10060.5	9943.7	9827.8	9723.4	9586.5
20°	10088.3	10085.2	10064.6	10006.0	9935.4	9825.6	9461.8	9251.9	9049.0	8870.8	8654.5
22.5°	9759.0	9707.2	9634.9	9508.6	9368.2	9176.4	8655.1	8346.2	8063.8	7814.2	7534.6
25°	9281.8	9175.1	9041.9	8841.3	8623.2	8343.4	7700.9	7316.9	6977.7	6683.4	6360.9
27.5°	8671.0	8510.4	8315.1	8037.5	7742.1	7383.7	6671.2	6247.4	5883.2	5567.9	5224.6
30°	7948.0	7739.1	7487.0	7142.4	6785.9	6379.4	5657.0	5227.6	4859.1	4534.6	4191.0
32.5°	7130.9	6886.3	6590.7	6204.0	5818.6	5400.7	4702.9	4287.3	3935.3	3623.1	3312.1
35°	6229.6	5967.3	5654.7	5260.3	4877.1	4470.8	3830.5	3455.8	3145.0	2869.0	2617.9
37.5°	5263.0	5005.4	4708.2	4336.4	3981.2	3612.9	3060.5	2746.5	2485.6	2256.6	2062.8
40°	4257.8	4032.4	3775.3	3453.9	3150.7	2844.0	2390.5	2141.3	1935.4	1760.8	1615.5
42.5°	3265.0	3090.3	2893.1	2639.2	2407.2	2173.6	1824.6	1640.0	1487.5	1361.7	1259.0
45°	2368.9	2252.0	2119.8	1943.2	1782.7	1619.8	1371.4	1241.6	1142.3	1061.2	992.7
47.5°	1656.0	1588.2	1584.1	1420.9	1303.2	1203.6	1043.5	961.6	900.7	851.6	808.2
50°	1163.0	1130.2	1089.4	1031.1	976.6	920.3	822.7	773.2	737.6	707.8	680.4
52.5°	869.4	852.4	830.7	799.7	770.2	738.5	676.7	645.3	634.1	606.3	584.6
55°	694.4	684.7	672.3	654.1	636.1	629.0	576.0	552.7	537.7	526.8	515.2
57.5°	576.8	569.5	562.2	549.9	539.4	526.8	498.8	486.8	477.9	471.5	463.4
60°	492.0	487.6	483.5	476.4	470.7	463.9	446.1	439.3	434.7	430.8	425.7
62.5°	434.2	432.0	429.9	426.0	423.2	419.5	407.3	404.1	401.7	399.8	396.7
65°	392.6	390.9	389.8	387.2	385.8	383.7	373.1	371.0	369.6	368.8	367.0
67.5°	354.7	353.0	352.3	350.4	349.8	348.4	339.9	338.7	338.2	338.5	337.8
70°	319.3	318.5	318.9	318.6	319.5	319.6	314.5	314.4	315.0	316.1	316.2
72.5°	298.0	298.0	298.4	298.6	299.3	299.7	295.4	295.2	295.4	296.3	296.3
75°	277.8	278.2	279.2	279.6	280.5	280.7	275.0	274.4	274.4	275.1	274.9
77.5°	249.9	251.1	253.1	254.2	256.0	256.3	250.0	249.1	249.2	250.0	249.3
80°	218.1	220.4	223.8	226.1	228.8	229.8	223.3	221.7	220.2	220.1	218.8
82.5°	184.5	187.3	191.3	193.3	196.2	196.9	185.9	183.7	182.5	182.6	181.4
85°	140.8	142.9	146.5	147.8	149.5	149.3	136.8	131.4	132.9	130.6	132.4
87.5°	88.3	89.5	91.9	92.1	93.0	92.8	80.1	77.6	76.9	77.0	76.0
90°	69.2	71.8	75.5	77.3	80.3	81.9	73.3	73.9	71.5	70.5	67.7
92.5°	50.1	53.8	57.5	61.2	64.9	68.7	71.2	74.5	70.7	66.7	63.0
95°	60.6	66.7	72.9	79.1	85.2	91.4	97.5	103.7	97.9	92.1	86.4
97.5°	68.0	75.3	82.5	89.9	97.2	104.4	111.7	119.0	112.8	106.6	100.4
100°	89.7	103.3	116.8	130.3	143.9	157.5	171.1	184.7	172.7	160.8	148.9
102.5°	188.6	217.4	246.1	274.9	303.7	332.5	361.4	390.2	362.9	335.5	308.2
105°	367.1	413.7	460.4	507.1	553.7	600.4	647.2	693.9	650.2	606.5	562.8
107.5°	583.0	630.4	677.7	725.0	772.4	819.8	867.3	914.7	872.1	829.4	787.0
110°	716.7	751.3	785.9	820.5	855.2	889.7	924.7	959.2	933.7	908.2	882.5



TEST NUMBER: P1444789

CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL24

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	745.7	770.6	795.3	820.1	844.8	869.6	894.8	919.6	907.0	894.2	881.4
115°	704.2	721.0	737.8	754.5	771.4	788.1	805.2	822.2	818.2	814.3	810.3
117.5°	632.7	642.2	651.7	661.2	670.5	680.0	690.0	699.6	700.5	701.4	702.4
120°	556.4	560.6	564.7	568.9	572.9	577.1	581.7	586.0	589.7	593.4	597.1
122.5°	491.2	492.9	494.6	496.4	498.1	499.7	502.2	504.1	506.7	509.4	512.1
125°	438.2	439.3	440.3	441.3	442.2	443.3	445.0	446.2	446.7	447.0	447.6
127.5°	402.1	402.7	402.9	403.5	403.8	404.2	405.5	406.1	405.0	403.9	402.7
130°	375.4	376.0	376.7	377.4	378.1	378.7	380.3	381.2	379.0	376.7	374.4
132.5°	357.2	358.0	358.8	359.6	360.4	361.2	363.0	364.0	361.5	358.7	356.1
135°	341.5	342.6	343.4	344.4	345.3	346.4	348.3	349.6	347.0	344.4	341.9
137.5°	328.1	329.1	330.1	331.0	331.9	332.9	335.1	336.3	334.4	332.3	330.4
140°	316.3	317.4	318.4	319.6	320.7	321.9	324.2	325.6	324.2	322.5	321.0
142.5°	304.6	306.0	307.3	308.9	310.3	311.7	314.5	316.2	315.2	314.1	313.0
145°	296.3	297.9	299.4	301.1	302.6	304.3	307.3	309.2	308.7	308.0	307.3
147.5°	288.8	290.2	291.6	293.1	294.6	296.2	299.2	301.0	300.6	300.4	300.0
150°	281.3	282.8	284.2	285.6	287.2	288.7	292.1	294.0	293.7	293.5	293.2
152.5°	273.4	274.6	276.0	277.4	278.7	280.1	283.9	285.7	285.5	285.1	284.9
155°	267.8	268.9	269.9	271.0	272.0	273.3	276.9	278.7	278.6	278.5	278.3
157.5°	264.8	265.6	266.3	267.2	267.9	268.9	272.4	274.0	273.9	273.7	273.6
160°	262.2	262.8	263.5	264.1	264.8	265.5	269.2	270.5	270.5	270.3	270.2
162.5°	260.1	261.0	261.7	262.5	263.4	264.2	267.9	269.5	269.2	269.1	268.8
165°	259.9	260.4	261.0	261.5	262.1	262.6	266.0	267.2	267.1	267.0	266.9
167.5°	260.2	260.9	261.3	261.9	262.4	263.1	266.2	267.5	267.4	267.3	267.2
170°	261.3	261.8	262.3	262.7	263.2	263.7	266.4	267.3	267.2	266.9	266.7
172.5°	262.5	263.1	263.6	264.0	264.5	265.1	267.3	268.3	268.1	267.9	267.7
175°	262.1	262.4	262.8	263.2	263.6	263.9	265.8	266.5	266.4	266.4	266.3
177.5°	263.8	264.0	264.3	264.6	264.9	265.1	266.3	266.7	266.7	266.7	266.6
180°	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1



TEST NUMBER: P1444789
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL24

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3
2.5°	9896.5	9899.9	9900.5	9904.5	9904.2	9909.0	9908.2	9912.2	9909.9	9913.2	9910.4
5°	10128.9	10150.0	10161.0	10181.6	10188.1	10206.5	10211.7	10228.5	10229.2	10242.5	10239.4
7.5°	10457.5	10488.7	10507.1	10532.5	10545.4	10566.5	10575.9	10591.6	10596.6	10609.0	10610.0
10°	10653.7	10668.8	10679.4	10686.5	10693.0	10696.0	10699.6	10698.6	10699.6	10698.2	10701.3
12.5°	10576.6	10554.5	10540.0	10512.4	10496.4	10465.9	10450.9	10421.7	10411.0	10385.8	10382.2
15°	10185.7	10108.9	10054.7	9975.8	9926.1	9848.5	9803.1	9733.1	9701.1	9645.4	9630.8
17.5°	9473.2	9330.6	9220.3	9078.9	8980.7	8848.4	8765.3	8655.8	8595.8	8507.6	8477.0
20°	8474.2	8263.4	8098.0	7900.8	7759.8	7584.1	7471.5	7329.6	7247.3	7138.8	7094.9
22.5°	7301.5	7039.0	6832.3	6599.5	6429.3	6233.5	6098.6	5945.1	5855.5	5737.7	5685.6
25°	6092.8	5803.2	5573.5	5328.2	5148.4	4952.1	4817.3	4666.4	4573.6	4461.8	4410.0
27.5°	4936.7	4643.6	4421.6	4193.5	4028.6	3851.4	3729.8	3598.1	3515.8	3420.4	3371.6
30°	3916.5	3658.0	3469.1	3279.9	3142.6	2998.8	2897.6	2788.5	2716.3	2634.6	2588.1
32.5°	3085.3	2885.8	2737.8	2587.6	2475.4	2355.1	2267.8	2171.5	2106.3	2033.3	1991.3
35°	2443.6	2288.5	2170.5	2046.8	1950.4	1848.0	1771.1	1687.9	1629.4	1566.6	1530.3
37.5°	1930.6	1807.4	1710.3	1607.6	1528.4	1443.5	1414.9	1319.6	1258.9	1208.8	1174.1
40°	1515.2	1417.1	1336.8	1258.3	1193.6	1129.3	1077.6	1026.7	987.5	951.7	926.9
42.5°	1183.3	1112.2	1053.5	996.0	948.9	902.0	864.6	829.4	803.2	779.7	763.7
45°	940.6	891.8	851.0	810.4	777.2	746.0	720.7	698.4	681.3	667.2	657.3
47.5°	772.7	739.3	710.6	683.2	660.6	640.1	623.3	617.8	599.4	587.1	582.5
50°	656.7	636.5	614.7	594.5	579.4	564.4	553.5	542.8	535.9	530.2	528.5
52.5°	570.2	554.7	542.5	529.7	519.9	509.1	501.6	494.4	490.7	487.7	487.3
55°	505.8	495.0	486.9	478.3	472.3	466.1	462.2	458.5	456.8	455.3	455.4
57.5°	457.1	449.8	444.6	439.1	435.8	432.8	431.8	430.9	431.4	431.6	432.5
60°	421.6	416.8	413.6	410.4	409.0	408.1	408.8	409.6	411.4	412.7	414.0
62.5°	394.4	391.7	390.1	388.3	388.2	388.3	389.7	391.2	393.3	394.9	396.1
65°	366.3	364.8	364.3	363.2	363.7	364.1	365.9	367.0	369.1	370.4	371.9
67.5°	338.1	337.7	338.0	338.0	339.0	339.9	341.5	342.8	344.6	345.8	347.0
70°	317.1	317.3	318.1	318.3	319.3	319.8	321.3	322.2	323.7	324.8	326.3
72.5°	296.8	296.5	296.7	296.3	296.6	296.4	297.3	297.7	299.1	299.8	301.7
75°	275.2	274.3	274.1	273.1	273.2	272.4	272.8	272.7	273.6	274.0	275.3
77.5°	249.1	247.5	246.8	245.2	245.1	244.6	245.2	245.6	247.2	248.0	249.5
80°	217.8	215.4	214.3	212.4	212.8	212.6	214.3	215.5	217.4	217.8	219.7
82.5°	181.0	178.6	177.4	175.5	176.0	176.1	177.5	177.8	179.4	180.2	182.4
85°	129.6	130.6	128.0	128.2	127.6	128.7	129.6	130.9	132.3	134.7	136.5
87.5°	76.3	76.0	77.0	77.0	78.4	79.1	81.1	82.4	84.8	86.6	90.0
90°	66.2	63.5	62.8	60.7	60.6	58.7	58.7	56.9	57.1	56.1	56.7
92.5°	58.9	55.0	51.0	47.1	43.1	39.4	37.5	35.7	33.8	32.1	30.2
95°	80.7	74.9	69.2	63.4	57.8	52.0	49.8	47.8	45.7	43.6	41.5
97.5°	94.3	88.0	81.9	75.6	69.5	63.4	62.0	60.6	59.2	57.8	56.4
100°	137.0	125.1	113.2	101.2	89.3	77.4	76.3	75.2	74.1	72.9	71.8
102.5°	280.9	253.6	226.3	199.0	171.7	144.3	139.6	134.8	130.1	125.3	120.6
105°	519.1	475.4	431.8	388.0	344.4	300.7	287.7	274.6	261.6	248.6	235.6
107.5°	744.3	701.7	659.1	616.6	574.0	531.4	510.8	490.2	469.6	449.1	428.5
110°	857.0	831.5	806.1	780.3	754.9	729.5	709.8	690.2	670.5	650.9	631.3



TEST NUMBER: P1444789
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL24

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	868.7	856.0	843.3	830.6	817.9	805.2	795.6	786.1	776.6	767.0	757.3
115°	806.4	802.4	798.5	794.6	790.8	786.8	786.2	785.6	784.9	784.4	783.7
117.5°	703.2	704.1	705.1	706.1	707.0	708.0	713.2	718.4	723.6	728.8	734.2
120°	600.7	604.5	608.2	611.9	615.5	619.3	626.3	633.2	640.3	647.3	654.5
122.5°	514.7	517.4	520.0	522.8	525.4	528.1	535.1	542.1	549.1	556.0	563.2
125°	447.8	448.3	448.7	449.1	449.4	449.9	455.8	461.4	467.3	473.2	479.1
127.5°	401.5	400.3	399.1	398.0	396.8	395.7	399.2	402.8	406.3	409.8	413.5
130°	372.1	369.9	367.4	365.2	362.9	360.6	362.2	363.7	365.3	366.9	368.5
132.5°	353.3	350.6	347.8	345.1	342.3	339.7	339.9	340.1	340.4	340.7	341.1
135°	339.3	336.7	334.1	331.5	328.9	326.4	325.9	325.4	325.1	324.6	324.2
137.5°	328.4	326.4	324.3	322.3	320.3	318.3	317.6	316.9	316.1	315.5	314.8
140°	319.5	318.0	316.3	314.8	313.1	311.7	311.1	310.5	309.9	309.4	308.8
142.5°	311.8	310.7	309.6	308.5	307.3	306.2	305.7	305.1	304.6	304.1	303.5
145°	306.7	306.0	305.3	304.7	304.0	303.4	302.9	302.6	302.1	301.9	301.5
147.5°	299.7	299.2	299.0	298.6	298.2	297.8	297.6	297.4	297.1	297.0	296.7
150°	292.7	292.4	292.1	291.8	291.4	291.1	291.0	291.0	290.9	291.0	290.8
152.5°	284.5	284.2	283.9	283.7	283.2	282.9	282.8	282.9	282.8	282.8	282.8
155°	278.1	278.0	277.8	277.6	277.4	277.3	277.2	277.0	276.8	276.6	276.4
157.5°	273.5	273.3	273.2	273.1	272.9	272.7	272.5	272.4	272.2	272.1	271.9
160°	270.0	269.9	269.7	269.6	269.4	269.3	269.0	268.7	268.4	268.1	267.8
162.5°	268.5	268.1	267.9	267.7	267.4	267.1	266.9	266.7	266.5	266.5	266.3
165°	266.7	266.6	266.5	266.3	266.2	266.1	265.8	265.4	265.2	264.9	264.6
167.5°	267.0	266.9	266.7	266.6	266.5	266.4	266.1	265.8	265.4	265.2	264.9
170°	266.5	266.2	266.0	265.7	265.4	265.1	264.9	264.7	264.3	264.1	263.7
172.5°	267.5	267.3	267.0	266.8	266.5	266.4	266.1	265.9	265.6	265.4	265.1
175°	266.2	266.2	266.2	266.0	266.0	265.9	265.8	265.8	265.7	265.7	265.6
177.5°	266.6	266.6	266.6	266.5	266.5	266.5	266.4	266.2	266.1	265.8	265.7
180°	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1



TEST NUMBER: P1444789
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL24

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3
2.5°	9913.3	9910.8	9912.0	9907.3	9908.4	9902.8	9902.3	9895.9	9895.4	9889.4	9887.2
5°	10248.9	10243.3	10249.6	10239.9	10241.9	10229.2	10228.2	10211.8	10206.2	10185.8	10176.9
7.5°	10617.8	10615.7	10619.5	10611.4	10611.2	10599.9	10595.2	10580.6	10571.5	10550.0	10536.4
10°	10698.6	10700.5	10697.4	10698.2	10693.8	10692.6	10688.1	10685.2	10677.9	10672.3	10664.1
12.5°	10363.1	10365.0	10352.3	10360.4	10353.9	10368.9	10367.7	10385.3	10388.0	10410.4	10418.9
15°	9587.5	9585.0	9560.5	9576.0	9567.6	9600.5	9607.9	9652.1	9675.7	9732.5	9767.4
17.5°	8415.8	8409.5	8374.9	8393.8	8384.2	8432.7	8448.9	8519.6	8563.7	8655.2	8720.4
20°	7019.2	7007.1	6966.7	6988.7	6978.9	7033.9	7057.1	7142.6	7199.4	7320.6	7406.8
22.5°	5605.2	5586.1	5546.5	5567.1	5557.7	5614.7	5645.0	5730.7	5795.9	5920.2	6020.9
25°	4335.5	4318.5	4280.2	4294.6	4291.2	4339.3	4366.3	4447.3	4511.3	4629.8	4725.9
27.5°	3306.8	3289.1	3254.4	3264.7	3261.1	3302.2	3327.6	3395.3	3450.4	3550.1	3634.4
30°	2530.9	2509.5	2480.1	2485.7	2483.4	2516.7	2540.3	2597.3	2644.6	2728.9	2801.6
32.5°	1940.0	1918.4	1891.4	1894.0	1890.5	1916.7	1936.1	1985.7	2026.9	2098.5	2161.8
35°	1484.3	1509.5	1451.9	1488.3	1450.4	1506.1	1486.1	1517.1	1552.5	1612.9	1665.6
37.5°	1141.1	1123.6	1108.8	1107.2	1107.1	1120.0	1135.3	1165.1	1196.3	1241.3	1287.8
40°	904.3	892.0	882.4	881.7	882.4	891.6	902.9	923.4	946.3	978.6	1012.8
42.5°	750.0	741.9	736.0	735.6	737.5	744.0	751.8	764.0	778.9	799.9	823.3
45°	649.1	644.6	641.3	641.2	642.0	645.4	649.9	657.6	667.0	680.0	694.9
47.5°	578.4	577.2	575.2	575.3	574.4	575.8	576.3	580.6	585.5	595.4	614.8
50°	526.8	526.8	525.4	525.4	524.1	524.0	522.8	524.5	526.8	533.0	539.1
52.5°	486.0	485.9	484.5	484.2	482.8	482.7	481.8	482.4	482.7	485.8	489.5
55°	454.3	453.2	451.3	450.6	450.2	450.9	450.5	450.6	450.2	451.5	452.6
57.5°	431.4	430.1	428.3	427.7	427.6	428.6	428.6	428.3	426.5	425.4	423.7
60°	413.3	412.1	410.0	409.6	409.8	411.1	411.0	410.0	407.4	405.2	402.6
62.5°	395.6	395.0	394.0	393.9	393.6	393.8	393.0	391.8	389.2	386.8	384.0
65°	371.7	372.0	371.3	371.4	370.4	370.2	368.8	367.7	365.2	363.1	360.2
67.5°	347.0	347.2	346.6	346.6	346.1	346.2	345.3	344.2	342.1	340.3	338.1
70°	326.6	327.1	326.7	326.8	326.3	326.1	324.8	323.7	321.5	320.0	318.0
72.5°	302.2	303.3	303.3	303.5	302.6	302.2	300.6	299.3	297.3	296.2	294.6
75°	275.9	277.3	277.6	278.3	277.1	276.4	274.6	273.6	272.0	271.3	270.3
77.5°	250.1	251.7	253.2	254.6	252.6	250.8	248.7	247.0	244.7	243.7	242.0
80°	221.3	224.1	227.3	230.1	226.5	222.8	219.3	216.7	213.5	212.2	210.2
82.5°	183.5	186.4	188.3	190.1	187.5	184.9	181.5	179.2	175.8	174.5	172.2
85°	139.5	143.0	144.1	145.1	143.5	142.1	138.8	134.4	132.4	129.0	127.3
87.5°	91.7	93.8	94.3	94.6	93.5	92.9	90.8	88.8	85.2	82.5	79.3
90°	55.3	55.4	53.3	52.5	52.5	53.8	52.9	53.5	51.6	51.8	50.2
92.5°	28.4	26.6	24.7	22.9	24.9	26.6	28.5	30.2	32.0	33.8	35.7
95°	39.4	37.3	35.2	33.1	34.8	36.4	38.1	39.8	41.5	43.1	44.8
97.5°	55.0	53.6	52.2	50.8	51.8	52.7	53.8	54.7	55.7	56.6	57.8
100°	70.7	69.6	68.5	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
102.5°	115.8	111.1	106.3	101.5	104.8	108.0	111.2	114.4	117.7	120.8	124.2
105°	222.6	209.5	196.6	183.5	196.1	208.7	221.4	233.9	246.5	259.2	271.9
107.5°	407.9	387.4	366.8	346.2	369.1	392.0	415.0	438.0	460.9	483.8	506.9
110°	611.7	592.2	572.5	552.9	577.2	601.7	626.0	650.3	674.7	699.0	723.4



TEST NUMBER: P1444789
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL24

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	747.8	738.3	728.8	719.3	735.0	750.6	766.4	782.1	797.8	813.5	829.3
115°	783.1	782.6	782.0	781.5	788.9	796.3	803.7	811.1	818.6	826.0	833.5
117.5°	739.4	744.8	750.1	755.4	757.8	760.1	762.6	764.9	767.4	769.7	772.2
120°	661.5	668.5	675.6	682.8	681.8	680.8	679.8	678.9	678.1	677.1	676.3
122.5°	570.2	577.2	584.3	591.5	589.5	587.3	585.3	583.1	581.3	579.1	577.2
125°	485.0	491.0	496.8	502.9	500.8	498.7	496.6	494.6	492.6	490.6	488.6
127.5°	417.1	420.9	424.6	428.3	427.3	426.3	425.4	424.6	423.6	422.8	421.9
130°	370.1	371.9	373.6	375.4	375.6	375.9	376.3	376.7	377.1	377.5	378.0
132.5°	341.5	341.9	342.4	342.8	344.0	345.1	346.3	347.5	348.8	350.0	351.4
135°	323.9	323.7	323.4	323.2	324.9	326.5	328.2	330.0	331.9	333.7	335.7
137.5°	314.2	313.6	313.0	312.6	314.2	315.9	317.7	319.4	321.2	323.1	325.1
140°	308.4	307.9	307.6	307.2	308.8	310.5	312.2	314.0	315.8	317.7	319.6
142.5°	303.1	302.6	302.2	301.9	303.3	304.9	306.5	308.1	309.8	311.4	313.1
145°	301.2	300.8	300.6	300.4	301.4	302.5	303.7	304.9	306.1	307.3	308.7
147.5°	296.6	296.4	296.4	296.3	297.1	297.9	298.8	299.6	300.6	301.6	302.6
150°	291.0	290.9	290.9	291.0	291.4	292.0	292.5	293.1	293.7	294.3	295.1
152.5°	282.8	282.8	282.9	282.9	283.4	284.0	284.5	285.0	285.6	286.2	286.9
155°	276.4	276.2	276.1	276.0	276.2	276.5	276.8	277.0	277.3	277.5	277.8
157.5°	271.9	271.7	271.7	271.5	271.6	271.6	271.8	271.8	271.9	271.9	272.1
160°	267.7	267.3	267.0	266.7	266.9	267.1	267.4	267.5	267.8	267.9	268.1
162.5°	266.2	266.0	265.9	265.7	265.7	265.5	265.4	265.3	265.2	265.1	265.1
165°	264.3	264.0	263.7	263.5	263.5	263.6	263.6	263.7	263.7	263.7	263.7
167.5°	264.7	264.3	264.1	263.7	263.7	263.3	263.2	262.8	262.7	262.4	262.4
170°	263.6	263.3	263.1	262.8	262.7	262.6	262.6	262.4	262.4	262.4	262.4
172.5°	265.0	264.7	264.5	264.2	264.1	264.1	264.0	264.0	263.9	263.9	263.9
175°	265.5	265.5	265.4	265.3	265.2	265.1	265.0	264.8	264.7	264.4	264.3
177.5°	265.5	265.3	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.0	265.0
180°	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1



TEST NUMBER: P1444789
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL24

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3
2.5°	9880.8	9878.1	9871.3	9867.9	9861.6	9858.4	9853.5	9850.3	9846.3	9843.3	9841.8
5°	10154.5	10141.9	10116.6	10101.0	10073.6	10055.6	10028.4	10008.6	9980.5	9959.9	9933.3
7.5°	10510.6	10491.3	10458.8	10434.2	10396.0	10366.8	10323.8	10289.5	10242.0	10202.7	10154.3
10°	10655.7	10644.3	10629.8	10614.0	10592.8	10572.0	10542.7	10512.9	10473.0	10433.4	10381.7
12.5°	10441.3	10452.0	10473.0	10482.8	10498.9	10504.3	10511.7	10508.2	10501.8	10485.6	10462.1
15°	9834.4	9878.8	9949.1	9997.7	10065.8	10113.7	10176.9	10217.6	10264.6	10292.6	10319.3
17.5°	8835.9	8921.9	9045.9	9144.8	9277.6	9385.6	9517.9	9621.8	9741.8	9833.9	9931.9
20°	7556.9	7677.4	7848.6	7994.0	8186.4	8349.6	8558.7	8733.8	8938.0	9108.3	9292.1
22.5°	6180.5	6322.1	6518.4	6693.7	6923.4	7128.7	7390.7	7622.3	7898.4	8145.8	8419.5
25°	4882.0	5020.8	5220.7	5402.1	5650.2	5876.4	6162.6	6428.2	6748.7	7047.5	7390.7
27.5°	3768.4	3891.8	4067.4	4230.8	4458.0	4680.0	4970.4	5253.6	5595.6	5916.9	6286.7
30°	2910.3	3010.3	3151.1	3282.6	3465.0	3646.5	3905.2	4167.2	4507.4	4840.3	5219.4
32.5°	2255.4	2340.7	2458.1	2564.9	2705.4	2842.4	3032.8	3242.1	3540.6	3859.4	4226.0
35°	1745.9	1818.9	1918.9	2010.9	2126.4	2235.0	2377.2	2526.6	2754.4	3022.6	3350.7
37.5°	1392.0	1421.7	1493.1	1568.3	1664.4	1753.6	1864.9	1975.4	2138.3	2349.9	2617.9
40°	1058.5	1105.8	1163.9	1223.3	1295.9	1367.6	1489.5	1548.2	1655.5	1807.5	2015.4
42.5°	854.1	887.3	928.2	969.5	1020.2	1070.0	1131.7	1194.6	1274.8	1377.6	1525.6
45°	714.8	736.4	762.7	790.2	823.5	857.6	898.9	942.0	996.4	1059.7	1149.5
47.5°	621.6	633.6	650.8	669.6	692.4	716.0	742.8	770.3	804.1	841.6	892.8
50°	548.9	558.9	572.3	584.9	600.6	624.8	635.4	650.6	670.9	693.0	721.6
52.5°	496.4	503.0	511.4	518.6	528.5	537.6	549.5	559.9	574.0	587.2	605.8
55°	455.4	457.8	462.6	467.2	474.1	480.3	488.4	495.3	504.2	512.1	523.8
57.5°	423.8	424.0	426.2	428.7	433.0	436.9	442.5	447.0	453.2	458.3	465.3
60°	401.1	399.9	400.3	401.2	403.6	406.1	409.7	412.6	416.5	419.4	423.3
62.5°	382.2	380.2	379.8	379.6	380.9	381.7	383.7	385.0	387.3	388.6	390.6
65°	358.2	356.0	355.1	354.1	354.5	354.2	354.9	355.0	356.1	356.4	357.6
67.5°	336.6	334.7	333.5	332.1	331.6	330.5	330.1	329.2	329.1	328.2	328.0
70°	316.8	315.0	314.1	312.8	312.1	310.8	310.0	308.4	307.3	305.9	305.0
72.5°	293.9	292.9	292.6	291.7	291.5	290.8	290.5	289.3	288.6	287.4	286.7
75°	270.0	269.2	269.2	268.2	268.1	267.3	267.1	265.9	265.2	263.9	263.4
77.5°	241.6	240.3	239.9	238.9	239.2	238.8	239.1	238.2	237.8	236.5	236.1
80°	209.5	207.9	207.2	205.9	206.3	205.6	206.3	206.2	206.6	205.6	205.4
82.5°	171.5	169.7	169.4	168.4	169.1	169.2	170.5	169.7	170.1	169.1	169.6
85°	124.8	123.4	121.7	121.4	120.2	121.4	119.9	120.9	119.2	120.4	118.8
87.5°	77.3	74.6	73.2	71.3	70.5	68.7	67.9	66.6	67.0	66.3	66.7
90°	50.9	49.7	51.2	51.3	53.2	53.5	55.8	56.6	59.1	59.8	62.3
92.5°	37.5	39.2	42.6	46.0	49.3	52.6	56.1	59.5	62.8	66.2	69.5
95°	46.5	48.2	52.6	57.1	61.6	66.1	70.7	75.2	79.7	84.1	88.6
97.5°	58.7	59.7	64.2	68.7	73.1	77.6	82.1	86.6	91.1	95.6	100.1
100°	67.4	67.5	80.2	92.9	105.6	118.4	131.1	143.8	156.7	169.4	182.1
102.5°	127.4	130.6	162.8	195.0	227.1	259.3	291.6	323.7	355.9	388.2	420.4
105°	284.4	297.0	346.1	395.3	444.4	493.5	542.7	591.9	641.0	690.2	739.3
107.5°	529.8	552.7	597.2	641.5	685.9	730.3	774.8	819.2	863.6	908.0	952.5
110°	747.8	772.1	801.9	831.6	861.3	891.0	920.7	950.5	980.2	1010.0	1039.8



TEST NUMBER: P1444789
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL24

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	844.9	860.7	877.9	895.2	912.5	929.8	947.1	964.4	981.8	999.1	1016.5
115°	840.9	848.4	855.1	861.8	868.5	875.1	881.9	888.6	895.4	902.0	908.8
117.5°	774.7	777.2	778.1	779.1	780.1	781.1	782.1	783.1	784.2	785.3	786.2
120°	675.3	674.4	673.2	672.0	670.8	669.6	668.4	667.2	666.0	664.9	663.8
122.5°	575.2	573.3	572.0	570.9	569.7	568.6	567.4	566.3	565.1	564.0	562.9
125°	486.8	484.8	485.6	486.4	487.3	488.1	488.9	489.9	490.7	491.5	492.5
127.5°	421.2	420.5	422.8	425.2	427.6	430.0	432.5	434.9	437.3	439.7	442.2
130°	378.5	379.0	382.1	385.2	388.3	391.5	394.6	397.8	400.9	404.1	407.2
132.5°	352.7	354.2	357.1	360.1	363.2	366.1	369.2	372.2	375.2	378.2	381.2
135°	337.5	339.5	342.3	344.9	347.7	350.4	353.2	355.9	358.6	361.4	364.1
137.5°	326.9	328.9	331.1	333.2	335.3	337.5	339.7	341.8	344.0	346.1	348.2
140°	321.4	323.5	324.5	325.7	326.8	328.0	329.2	330.4	331.4	332.6	333.7
142.5°	314.9	316.7	317.3	318.1	318.7	319.5	320.2	320.9	321.5	322.2	322.9
145°	309.9	311.3	311.2	311.2	311.1	311.1	311.0	311.0	310.8	310.8	310.7
147.5°	303.5	304.6	304.2	304.1	303.8	303.5	303.3	303.1	302.7	302.5	302.2
150°	295.6	296.4	295.9	295.5	295.1	294.6	294.1	293.7	293.2	292.8	292.4
152.5°	287.4	288.1	287.5	287.0	286.6	286.1	285.5	285.1	284.6	284.1	283.7
155°	278.1	278.4	278.1	277.9	277.6	277.4	277.1	276.9	276.7	276.4	276.2
157.5°	272.1	272.3	272.1	272.0	271.8	271.8	271.6	271.5	271.4	271.4	271.3
160°	268.3	268.6	268.4	268.2	268.1	267.9	267.8	267.8	267.8	267.7	267.7
162.5°	265.1	265.0	264.9	264.7	264.6	264.4	264.4	264.3	264.2	264.1	264.1
165°	263.9	264.0	263.7	263.5	263.2	262.9	262.7	262.5	262.4	262.2	262.0
167.5°	262.1	262.0	262.0	262.1	262.1	262.1	262.2	262.3	262.4	262.4	262.5
170°	262.4	262.4	262.3	262.2	262.1	261.9	261.8	261.7	261.7	261.5	261.5
172.5°	263.9	263.9	263.7	263.4	263.1	262.8	262.5	262.4	262.1	261.8	261.5
175°	264.1	264.0	263.8	263.7	263.6	263.4	263.2	263.1	262.9	262.8	262.6
177.5°	265.0	264.9	264.8	264.8	264.8	264.8	264.8	264.7	264.7	264.7	264.6
180°	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1



TEST NUMBER: P1444789
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL24

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3
2.5°	9839.9	9839.7	9838.7	9839.2	9839.4	9840.0	9840.9	9841.8	9842.0	9842.6	9842.8
5°	9913.5	9889.1	9871.1	9851.3	9836.4	9823.0	9814.0	9807.0	9804.3	9804.9	9806.6
7.5°	10113.1	10062.9	10021.4	9974.3	9935.0	9893.3	9858.9	9826.1	9802.1	9784.3	9774.4
10°	10332.2	10271.0	10212.5	10144.3	10079.6	10010.5	9947.9	9884.9	9832.5	9786.8	9753.4
12.5°	10429.5	10386.3	10335.6	10271.2	10202.0	10122.3	10041.8	9955.6	9875.3	9800.9	9740.8
15°	10326.5	10326.6	10308.2	10277.3	10229.2	10165.6	10088.8	9998.9	9904.2	9807.7	9719.5
17.5°	9999.7	10061.4	10095.7	10117.4	10110.7	10087.3	10038.5	9969.4	9881.2	9778.3	9670.6
20°	9438.5	9583.9	9687.6	9780.9	9833.1	9867.9	9864.4	9836.2	9773.4	9685.9	9573.8
22.5°	8652.3	8896.4	9088.9	9268.7	9394.6	9497.1	9545.8	9566.4	9538.0	9477.1	9371.8
25°	7697.3	8029.2	8312.5	8587.3	8793.5	8970.8	9077.3	9152.3	9158.3	9126.4	9032.5
27.5°	6636.2	7028.0	7386.5	7751.9	8041.8	8296.6	8463.7	8586.0	8624.9	8619.8	8534.4
30°	5576.5	5987.8	6382.9	6808.9	7167.7	7493.2	7714.0	7879.5	7943.2	7955.4	7873.4
32.5°	4575.6	4981.2	5375.2	5820.6	6215.5	6588.5	6849.4	7045.9	7120.1	7137.5	7047.5
35°	3667.3	4041.5	4416.0	4847.6	5240.2	5626.5	5901.3	6107.1	6176.3	6188.1	6083.8
37.5°	2879.6	3198.4	3524.7	3912.1	4272.5	4635.3	4896.5	5089.9	5140.4	5137.2	5019.3
40°	2216.4	2464.2	2726.5	3045.3	3345.1	3651.7	3872.2	4032.1	4058.6	4039.0	3915.1
42.5°	1666.6	1845.6	2035.7	2273.7	2496.2	2725.6	2886.1	3004.7	3008.6	2977.5	2866.3
45°	1241.6	1416.3	1495.9	1639.9	1783.2	1935.8	2033.7	2107.0	2095.7	2068.3	1983.8
47.5°	946.6	1013.6	1084.8	1174.1	1257.5	1430.7	1417.9	1535.5	1450.8	1508.6	1381.4
50°	751.7	789.1	827.5	874.9	918.4	963.7	992.0	1013.2	1010.4	1001.3	976.9
52.5°	639.5	651.0	669.9	696.9	721.2	745.7	761.8	774.9	775.1	771.5	759.2
55°	534.5	549.2	562.7	580.3	610.3	615.0	638.0	633.3	635.2	628.8	635.3
57.5°	471.2	479.8	487.4	497.9	506.5	516.7	522.7	528.3	527.9	526.6	520.3
60°	426.4	431.2	435.4	441.5	446.3	451.9	454.7	457.6	456.7	454.5	449.0
62.5°	391.9	394.8	397.3	401.2	404.1	407.6	409.1	410.3	409.1	407.0	402.1
65°	357.8	359.7	361.2	364.2	366.2	369.3	370.5	371.6	370.5	368.9	365.2
67.5°	327.0	327.2	327.1	328.3	328.9	330.7	331.3	332.1	330.8	329.4	326.3
70°	303.7	303.3	302.7	303.2	303.3	304.2	304.3	304.2	302.6	300.2	296.7
72.5°	285.5	285.3	284.8	285.2	285.2	286.0	285.7	285.4	283.4	281.2	277.7
75°	262.1	261.9	261.0	261.0	260.3	260.6	259.6	259.1	256.9	255.0	251.9
77.5°	234.7	234.2	232.9	232.4	231.0	230.5	228.7	227.8	225.6	224.1	221.5
80°	204.0	203.6	202.0	201.0	198.8	197.4	194.8	193.3	190.8	189.3	186.7
82.5°	168.7	168.9	167.2	166.1	162.9	160.5	157.0	155.1	152.3	150.8	148.2
85°	120.0	118.2	119.2	119.1	117.1	115.1	112.2	110.1	107.8	106.4	104.5
87.5°	65.8	66.2	65.8	65.3	63.9	62.9	60.7	59.4	57.8	56.9	55.5
90°	58.4	56.2	52.3	50.1	46.2	43.4	39.3	36.7	32.8	31.8	29.6
92.5°	65.7	62.0	58.2	54.4	50.7	47.0	43.1	39.4	35.6	34.2	33.1
95°	83.1	77.7	72.2	66.7	61.3	55.8	50.3	44.9	39.4	38.3	37.2
97.5°	93.6	87.2	80.8	74.3	67.9	61.5	55.2	48.7	42.3	41.6	40.9
100°	167.3	152.6	137.7	122.9	108.1	93.3	78.4	63.6	48.8	48.0	47.1
102.5°	384.4	348.5	312.6	276.6	240.8	204.9	168.9	132.9	97.1	91.9	86.7
105°	684.9	630.5	576.1	521.8	467.4	413.0	358.6	304.2	249.9	232.4	214.9
107.5°	901.3	850.2	799.1	747.9	696.8	645.6	594.5	543.3	492.1	461.4	430.6
110°	999.1	958.5	918.0	877.3	836.7	796.1	755.4	714.8	674.1	647.6	621.1



TEST NUMBER: P1444789
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL24

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	986.7	956.8	927.1	897.2	867.5	837.5	807.7	777.8	748.0	731.9	715.8
115°	890.8	872.9	854.8	836.7	818.7	800.7	782.6	764.5	746.4	737.9	729.3
117.5°	777.0	767.7	758.4	749.0	739.6	730.3	721.0	711.6	702.3	699.2	696.1
120°	660.8	657.8	654.8	651.9	648.8	645.8	642.7	639.8	636.7	636.9	637.1
122.5°	563.7	564.6	565.4	566.2	567.0	567.7	568.6	569.3	570.1	572.1	574.2
125°	494.9	497.2	499.6	502.0	504.3	506.6	509.1	511.3	513.7	515.7	517.8
127.5°	445.0	447.6	450.4	452.9	455.7	458.3	461.0	463.5	466.2	468.0	469.9
130°	409.6	411.8	414.0	416.3	418.6	420.8	423.1	425.3	427.5	428.9	430.1
132.5°	383.2	385.2	387.3	389.1	391.2	393.2	395.2	397.2	399.2	400.0	401.0
135°	365.6	366.9	368.4	369.8	371.3	372.6	374.1	375.5	376.9	377.4	378.0
137.5°	349.5	350.5	351.7	352.8	353.9	355.1	356.3	357.4	358.6	358.6	358.8
140°	335.0	336.2	337.4	338.7	340.0	341.2	342.6	343.8	345.2	345.3	345.4
142.5°	323.7	324.7	325.6	326.5	327.6	328.5	329.4	330.5	331.5	331.6	331.7
145°	311.9	313.0	314.2	315.4	316.7	317.8	319.2	320.4	321.8	321.6	321.6
147.5°	303.2	304.2	305.2	306.2	307.3	308.4	309.5	310.6	311.8	311.7	311.6
150°	293.6	294.6	295.7	296.8	298.0	299.2	300.5	301.7	303.1	303.2	303.3
152.5°	284.9	286.1	287.3	288.6	289.9	291.3	292.7	294.0	295.4	295.6	295.8
155°	277.4	278.7	280.0	281.3	282.6	283.9	285.3	286.6	288.0	288.3	288.5
157.5°	272.4	273.4	274.6	275.8	277.0	278.1	279.4	280.5	281.7	282.0	282.2
160°	268.7	269.6	270.6	271.7	272.7	273.7	274.7	275.8	276.8	277.1	277.3
162.5°	265.1	266.2	267.2	268.1	269.2	270.2	271.2	272.2	273.3	273.4	273.7
165°	262.7	263.4	264.1	264.8	265.5	266.3	267.0	267.7	268.5	268.8	269.1
167.5°	263.1	263.6	264.1	264.7	265.2	265.8	266.4	266.9	267.5	267.8	268.0
170°	262.0	262.5	262.9	263.6	264.0	264.6	265.1	265.6	266.2	266.5	266.7
172.5°	261.9	262.2	262.5	262.9	263.2	263.6	263.9	264.3	264.7	265.1	265.3
175°	262.8	262.9	263.2	263.3	263.5	263.7	263.8	264.0	264.3	264.6	264.9
177.5°	264.7	264.9	265.0	265.1	265.3	265.5	265.7	265.9	266.0	266.5	266.8
180°	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1



TEST NUMBER: P1444789
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL24

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3
2.5°	9842.5	9842.4	9842.1	9841.6	9841.2	9841.4	9841.9	9843.0	9845.0	9847.9	9851.6
5°	9807.9	9809.9	9811.1	9811.3	9810.2	9809.6	9810.5	9813.2	9818.7	9827.8	9840.2
7.5°	9771.8	9774.2	9778.0	9780.9	9781.4	9780.7	9780.9	9785.1	9795.1	9813.0	9838.0
10°	9733.0	9725.6	9729.5	9736.6	9742.3	9743.3	9744.0	9749.0	9763.7	9790.7	9830.8
12.5°	9697.3	9674.0	9669.5	9675.9	9684.5	9687.3	9686.5	9688.6	9705.9	9741.5	9797.5
15°	9650.3	9606.5	9591.6	9593.2	9603.8	9607.6	9604.8	9600.5	9617.4	9660.9	9733.3
17.5°	9574.2	9503.6	9476.1	9474.9	9487.2	9490.6	9483.8	9470.5	9487.1	9541.4	9631.4
20°	9458.6	9354.4	9302.6	9294.3	9307.7	9303.8	9290.3	9270.3	9292.0	9358.1	9465.1
22.5°	9250.8	9118.7	9030.2	9001.6	9017.7	9007.0	8987.1	8961.7	8990.6	9065.6	9184.7
25°	8911.2	8758.5	8637.3	8569.3	8582.1	8562.8	8541.3	8510.5	8545.0	8631.0	8762.1
27.5°	8411.9	8235.7	8085.4	7972.8	7976.9	7951.8	7927.0	7887.1	7930.1	8032.0	8179.8
30°	7748.1	7544.1	7361.1	7208.1	7194.4	7170.0	7144.6	7092.3	7146.1	7268.1	7440.9
32.5°	6914.5	6687.9	6476.5	6283.1	6246.7	6222.8	6200.2	6139.9	6210.3	6352.6	6551.1
35°	5939.5	5698.2	5469.0	5248.1	5187.7	5163.8	5144.1	5086.3	5174.3	5329.1	5543.5
37.5°	4869.4	4622.9	4395.4	4168.8	4083.4	4051.1	4036.7	3998.9	4100.4	4253.4	4468.7
40°	3770.8	3541.7	3337.6	3137.6	3040.1	2990.7	2983.2	2976.3	3074.3	3207.2	3402.6
42.5°	2743.1	2558.2	2400.9	2248.0	2159.7	2092.2	2092.2	2112.7	2200.9	2300.4	2451.2
45°	1897.5	1773.4	1673.2	1571.0	1598.3	1463.7	1542.8	1502.2	1545.8	1610.0	1708.0
47.5°	1304.4	1236.6	1181.6	1124.5	1082.9	1043.1	1046.6	1072.2	1113.3	1151.3	1202.4
50°	950.7	916.2	888.1	858.5	837.7	820.2	821.2	832.3	853.9	874.0	900.6
52.5°	744.9	725.8	710.7	694.3	683.4	674.7	675.2	680.6	692.2	703.7	719.0
55°	614.0	611.7	591.9	577.2	571.6	565.7	566.8	568.9	576.9	583.5	593.6
57.5°	514.5	505.6	499.6	491.9	488.4	484.3	485.2	486.0	491.3	495.8	503.1
60°	444.3	438.0	433.8	428.5	426.1	423.5	424.2	424.6	428.0	431.0	436.2
62.5°	397.6	391.9	388.3	384.2	382.6	380.9	381.2	381.4	383.6	385.7	389.6
65°	361.9	357.4	354.3	350.8	349.1	347.2	347.4	347.4	349.3	350.8	353.7
67.5°	323.9	320.6	318.6	315.8	314.7	312.8	312.8	312.2	313.4	314.0	316.0
70°	293.6	290.2	287.7	285.0	283.5	281.9	281.9	281.9	283.3	284.7	287.3
72.5°	274.8	271.6	269.3	267.0	265.6	264.2	263.9	263.8	264.8	265.5	267.3
75°	250.0	247.4	246.0	243.9	242.8	241.2	240.9	240.2	240.6	240.8	242.1
77.5°	219.8	217.4	216.3	214.1	213.2	211.4	211.2	210.4	210.7	210.6	211.5
80°	185.5	183.3	182.6	180.8	180.4	178.7	178.4	177.5	177.8	177.0	177.4
82.5°	147.1	145.1	144.6	142.9	142.9	141.4	141.3	139.8	139.8	138.5	136.5
85°	103.6	102.1	101.5	100.1	99.7	98.5	97.8	96.4	96.0	95.0	94.7
87.5°	54.7	53.8	52.9	52.3	51.1	48.8	48.6	47.1	47.3	46.2	46.3
90°	28.7	26.7	25.8	23.9	22.9	21.3	20.5	21.1	22.1	22.8	23.8
92.5°	31.8	30.6	29.3	28.0	26.7	25.5	24.2	25.5	26.7	28.0	29.3
95°	36.1	34.9	33.8	32.7	31.6	30.5	29.3	30.5	31.6	32.8	33.9
97.5°	40.2	39.5	38.8	38.1	37.4	36.7	36.0	36.7	37.4	38.1	38.8
100°	46.3	45.5	44.6	43.8	42.9	42.1	41.3	42.2	43.0	43.9	44.7
102.5°	81.5	76.4	71.2	66.1	60.8	55.7	50.5	55.7	60.8	66.1	71.3
105°	197.4	179.9	162.5	145.0	127.4	110.0	92.5	110.1	127.5	145.1	162.6
107.5°	399.9	369.2	338.4	307.6	276.9	246.0	215.3	246.1	277.0	307.7	338.5
110°	594.6	568.0	541.4	514.9	488.4	461.7	435.2	461.7	488.4	514.9	541.5



TEST NUMBER: P1444789
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL24

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	699.5	683.4	667.2	651.0	634.7	618.6	602.4	618.6	634.8	651.2	667.3
115°	720.7	712.1	703.5	694.9	686.3	677.7	669.0	677.8	686.4	695.1	703.8
117.5°	693.0	689.9	686.8	683.7	680.6	677.5	674.2	677.6	680.8	684.0	687.2
120°	637.2	637.3	637.5	637.6	637.8	637.9	638.0	638.0	638.0	638.0	638.0
122.5°	576.2	578.2	580.1	582.1	584.1	586.1	588.0	586.2	584.4	582.7	580.8
125°	519.8	522.0	524.0	526.0	527.9	530.0	531.8	530.2	528.3	526.6	524.6
127.5°	471.6	473.5	475.1	477.1	478.7	480.4	482.0	480.6	479.1	477.6	476.0
130°	431.4	432.7	434.0	435.3	436.5	437.6	438.7	437.8	436.8	435.9	434.8
132.5°	401.8	402.8	403.6	404.4	405.2	406.0	406.7	406.2	405.6	405.1	404.4
135°	378.4	378.9	379.4	379.8	380.2	380.6	380.8	380.9	380.7	380.6	380.3
137.5°	358.9	359.0	359.0	359.0	359.0	358.9	358.8	359.1	359.4	359.8	360.0
140°	345.4	345.5	345.5	345.5	345.5	345.5	345.3	345.7	346.0	346.3	346.5
142.5°	331.8	331.9	331.9	331.9	331.9	331.9	331.8	332.1	332.4	332.7	332.9
145°	321.5	321.5	321.3	321.3	321.0	320.9	320.5	321.1	321.5	322.0	322.3
147.5°	311.5	311.4	311.4	311.2	311.0	310.8	310.5	311.0	311.4	311.8	312.3
150°	303.5	303.7	303.8	304.0	304.0	304.1	304.0	304.3	304.5	304.6	304.7
152.5°	295.9	296.0	296.2	296.2	296.4	296.3	296.3	296.5	296.8	297.0	297.2
155°	288.7	289.0	289.2	289.4	289.6	289.7	289.9	290.0	290.1	290.2	290.3
157.5°	282.4	282.7	282.8	283.0	283.2	283.4	283.6	283.8	283.9	284.1	284.1
160°	277.4	277.7	277.8	278.1	278.3	278.5	278.6	278.7	278.9	279.0	279.1
162.5°	273.9	274.1	274.2	274.5	274.6	274.7	274.9	275.1	275.3	275.4	275.5
165°	269.4	269.7	270.1	270.4	270.7	271.0	271.3	271.3	271.3	271.3	271.3
167.5°	268.4	268.7	269.0	269.2	269.5	269.8	270.1	270.1	270.1	270.0	270.1
170°	267.0	267.2	267.6	267.8	268.1	268.3	268.6	268.5	268.5	268.5	268.5
172.5°	265.7	266.2	266.5	266.9	267.3	267.7	268.0	267.9	267.7	267.5	267.2
175°	265.2	265.6	265.9	266.3	266.5	266.9	267.3	267.0	266.9	266.6	266.5
177.5°	267.4	267.8	268.3	268.7	269.2	269.5	270.1	269.6	269.2	268.9	268.5
180°	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1



TEST NUMBER: P1444789
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL24

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3
2.5°	9856.8	9861.7	9869.3	9876.2	9886.4	9894.5	9906.7	9916.0	9929.8	9938.7	9953.7
5°	9857.7	9877.0	9902.4	9927.1	9956.9	9983.9	10017.4	10046.0	10079.8	10107.2	10141.8
7.5°	9871.6	9908.9	9953.4	9998.3	10049.1	10096.6	10150.2	10198.6	10251.5	10296.5	10345.4
10°	9882.0	9939.3	10004.9	10071.1	10140.7	10205.3	10270.6	10326.9	10379.6	10423.1	10461.4
12.5°	9868.0	9947.0	10031.3	10112.7	10190.1	10257.0	10313.1	10356.5	10386.5	10406.8	10411.5
15°	9820.6	9915.7	10007.4	10088.4	10152.6	10202.1	10227.7	10239.7	10226.9	10205.4	10158.5
17.5°	9732.1	9832.3	9914.3	9978.2	10012.1	10025.6	10004.4	9967.4	9895.3	9815.2	9699.5
20°	9569.8	9663.2	9722.7	9757.5	9748.5	9714.8	9634.7	9537.3	9393.2	9239.6	9037.0
22.5°	9285.1	9366.8	9398.4	9401.0	9345.6	9261.6	9117.0	8949.9	8722.6	8486.3	8195.7
25°	8857.7	8929.3	8934.3	8906.2	8804.8	8668.6	8456.4	8219.9	7911.1	7596.2	7232.0
27.5°	8278.1	8346.7	8329.9	8277.5	8136.8	7954.6	7682.8	7377.4	6996.6	6624.7	6221.8
30°	7549.5	7622.9	7603.2	7535.9	7368.6	7153.2	6833.4	6478.6	6055.8	5658.5	5250.3
32.5°	6677.7	6770.4	6756.8	6692.8	6518.3	6287.8	5940.7	5564.4	5131.9	4740.4	4343.2
35°	5686.6	5799.2	5805.1	5763.3	5601.1	5373.4	5030.7	4666.5	4252.1	3882.8	3515.9
37.5°	4618.9	4749.5	4776.3	4765.0	4630.7	4429.6	4117.4	3790.6	3423.6	3099.9	2786.1
40°	3545.3	3677.5	3723.3	3736.9	3637.8	3482.0	3225.8	2962.1	2662.8	2400.6	2151.4
42.5°	2566.2	2683.3	2727.7	2755.5	2693.7	2589.8	2402.9	2211.4	1992.1	1803.0	1621.6
45°	1782.2	1865.2	1898.9	1926.9	1893.2	1834.6	1716.6	1596.8	1452.1	1328.4	1211.4
47.5°	1246.1	1291.8	1314.1	1327.7	1314.6	1284.0	1219.8	1150.4	1068.7	996.5	927.0
50°	923.6	947.9	959.6	967.4	957.9	941.0	906.2	868.4	823.6	782.7	742.6
52.5°	731.9	745.9	752.8	757.1	751.6	741.2	721.0	698.5	671.6	646.4	633.1
55°	616.7	615.9	631.8	624.2	631.8	614.6	611.1	586.4	564.0	548.4	531.3
57.5°	508.5	515.8	518.8	522.3	520.0	516.9	508.3	499.5	487.7	477.8	467.3
60°	440.2	446.2	449.5	452.9	452.7	451.5	446.5	441.2	434.0	428.0	421.7
62.5°	393.2	398.3	401.6	404.9	405.2	404.7	400.9	397.3	392.2	388.5	384.1
65°	356.1	359.7	361.9	364.6	364.5	363.7	360.4	357.3	353.2	350.6	347.3
67.5°	317.3	320.0	321.8	324.3	324.8	324.9	323.0	321.6	319.6	318.8	317.8
70°	289.7	293.1	295.9	299.1	300.7	301.5	300.7	300.0	298.8	298.3	297.5
72.5°	268.9	271.7	273.9	276.7	278.3	279.4	278.8	278.4	277.4	277.3	276.6
75°	243.0	244.9	246.1	248.3	249.1	250.1	249.7	250.0	249.7	250.4	250.4
77.5°	211.9	213.3	213.8	215.4	215.5	216.8	217.1	218.6	219.7	222.0	223.2
80°	176.7	177.7	177.7	179.2	180.0	182.1	183.2	185.6	186.7	188.8	189.0
82.5°	137.3	136.3	137.3	136.7	138.6	141.1	141.4	143.5	143.9	145.3	144.3
85°	93.9	93.8	93.0	93.1	92.5	92.8	92.4	92.8	92.4	92.5	91.5
87.5°	45.0	45.4	44.4	44.7	43.8	44.3	43.4	44.1	43.0	43.2	41.7
90°	24.6	25.5	26.3	27.3	28.3	30.7	33.2	35.6	38.2	40.7	43.2
92.5°	30.6	31.8	33.1	34.3	35.6	39.4	43.1	47.0	50.8	54.5	58.2
95°	35.0	36.1	37.3	38.5	39.6	45.1	50.5	56.0	61.5	66.9	72.4
97.5°	39.6	40.2	41.0	41.6	42.4	48.8	55.2	61.7	68.1	74.5	81.0
100°	45.6	46.4	47.2	48.2	49.0	63.8	78.6	93.5	108.4	123.1	137.9
102.5°	76.5	81.6	86.8	92.0	97.3	133.2	169.2	205.1	241.0	276.9	312.8
105°	180.0	197.5	215.1	232.5	250.1	304.5	358.9	413.4	467.7	522.1	576.5
107.5°	369.3	400.0	430.9	461.7	492.5	543.7	594.8	646.0	697.2	748.3	799.4
110°	568.2	594.7	621.3	648.0	674.5	715.1	755.8	796.6	837.2	877.9	918.5



TEST NUMBER: P1444789
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL24

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	683.6	699.8	716.1	732.3	748.5	778.3	808.3	838.1	868.1	897.8	927.7
115°	712.5	721.1	729.8	738.3	747.0	765.2	783.2	801.4	819.5	837.5	855.6
117.5°	690.3	693.5	696.7	699.8	702.9	712.3	721.7	731.2	740.6	750.1	759.4
120°	638.0	637.9	637.8	637.6	637.5	640.6	643.8	646.8	649.8	653.0	656.0
122.5°	578.8	577.0	575.0	573.1	571.1	570.4	569.6	568.9	568.2	567.4	566.6
125°	522.7	520.8	518.8	516.9	514.9	512.6	510.4	507.9	505.7	503.4	501.0
127.5°	474.4	472.6	471.0	469.3	467.6	464.9	462.4	459.7	457.2	454.5	451.8
130°	433.8	432.7	431.5	430.2	429.1	426.8	424.6	422.4	420.2	418.0	415.8
132.5°	403.9	403.1	402.4	401.5	400.8	398.8	397.0	394.9	393.0	391.0	389.1
135°	380.1	379.7	379.5	379.1	378.7	377.3	375.9	374.5	373.2	371.8	370.4
137.5°	360.2	360.3	360.4	360.4	360.5	359.3	358.2	357.1	356.1	355.0	353.8
140°	346.8	346.9	347.0	347.0	347.1	345.8	344.7	343.4	342.3	341.0	339.8
142.5°	333.1	333.2	333.3	333.4	333.5	332.6	331.7	330.8	329.9	329.0	328.0
145°	322.6	322.9	323.3	323.4	323.7	322.5	321.4	320.2	319.2	317.9	316.9
147.5°	312.7	312.9	313.2	313.6	313.9	312.8	311.9	310.9	310.0	308.9	308.1
150°	304.9	304.9	305.1	305.1	305.2	304.1	303.1	301.9	301.0	299.8	298.9
152.5°	297.3	297.5	297.6	297.7	297.8	296.6	295.4	294.3	293.1	291.9	290.8
155°	290.4	290.4	290.4	290.4	290.4	289.3	288.2	287.0	285.9	284.8	283.7
157.5°	284.2	284.2	284.3	284.3	284.4	283.4	282.5	281.5	280.5	279.4	278.5
160°	279.2	279.3	279.4	279.5	279.5	278.7	277.9	277.0	276.2	275.3	274.5
162.5°	275.6	275.8	275.8	275.9	276.0	275.1	274.3	273.4	272.6	271.8	270.9
165°	271.2	271.2	271.1	271.0	270.9	270.4	269.9	269.3	268.8	268.1	267.6
167.5°	270.0	269.9	269.8	269.8	269.7	269.3	269.0	268.5	268.0	267.7	267.2
170°	268.4	268.3	268.2	268.2	268.0	267.7	267.3	266.9	266.5	266.1	265.6
172.5°	267.1	266.8	266.6	266.5	266.2	265.9	265.6	265.3	265.1	264.9	264.6
175°	266.2	266.0	265.7	265.5	265.2	265.1	265.1	264.9	264.8	264.6	264.5
177.5°	268.0	267.8	267.3	266.9	266.5	266.5	266.3	266.2	266.1	266.0	265.8
180°	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1



TEST NUMBER: P1444789
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL24

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3
2.5°	9962.9	9901.4	9893.3	9897.6	9907.9	9911.7	9922.8	9925.8	9937.0	9939.7	9950.4
5°	10168.5	10087.2	10091.2	10110.8	10140.4	10158.0	10187.2	10202.4	10230.1	10242.8	10267.9
7.5°	10385.3	10321.4	10341.4	10374.3	10414.8	10442.8	10477.8	10500.6	10530.7	10549.4	10573.5
10°	10491.7	10474.2	10496.1	10522.1	10545.2	10563.3	10578.1	10589.9	10597.7	10605.0	10608.2
12.5°	10410.8	10437.8	10441.5	10439.0	10423.7	10412.1	10385.8	10368.0	10336.3	10317.0	10279.4
15°	10110.5	10170.0	10137.0	10087.1	10014.1	9953.1	9867.2	9803.1	9713.5	9652.8	9562.9
17.5°	9583.6	9658.6	9572.8	9457.2	9310.3	9184.6	9028.0	8903.8	8748.2	8635.0	8489.7
20°	8841.7	8911.9	8758.7	8567.2	8339.9	8148.5	7923.0	7743.0	7533.4	7377.4	7189.2
22.5°	7918.1	7968.1	7752.1	7494.1	7204.4	6965.4	6695.7	6480.0	6240.6	6062.4	5861.7
25°	6896.2	6909.7	6650.7	6353.4	6030.5	5761.9	5474.0	5247.1	5003.1	4822.4	4625.5
27.5°	5864.8	5845.1	5565.1	5249.8	4910.2	4631.1	4350.2	4137.6	3923.9	3761.1	3591.5
30°	4891.4	4843.4	4552.8	4228.6	3899.1	3648.9	3415.7	3245.0	3075.0	2945.9	2809.7
32.5°	3998.7	3931.1	3648.1	3344.5	3066.8	2873.7	2700.7	2571.6	2434.3	2325.2	2211.0
35°	3208.0	3135.9	2885.3	2627.9	2417.7	2275.4	2139.4	2033.5	1917.0	1824.9	1725.7
37.5°	2529.4	2470.4	2260.5	2057.8	1898.9	1788.6	1677.2	1590.6	1494.3	1453.7	1347.7
40°	1952.7	1911.5	1747.3	1598.0	1478.5	1426.7	1313.7	1232.8	1160.8	1101.5	1043.9
42.5°	1523.1	1508.5	1348.7	1232.3	1148.3	1082.9	1020.0	968.8	919.1	878.2	839.5
45°	1117.8	1106.2	1035.2	968.1	910.8	865.1	822.5	787.4	754.8	727.9	703.4
47.5°	870.4	866.7	825.8	784.2	748.1	718.8	691.1	667.8	646.2	628.2	622.3
50°	708.0	707.5	683.5	657.7	632.0	615.1	597.5	583.7	569.8	559.0	547.6
52.5°	601.5	598.9	582.7	566.8	551.6	540.4	529.2	520.3	511.2	504.5	497.4
55°	517.8	520.6	511.2	501.7	492.2	485.3	477.4	471.5	465.3	461.1	456.8
57.5°	459.7	463.3	458.5	453.1	447.3	442.7	437.2	433.2	429.0	426.3	423.9
60°	417.5	421.4	419.4	416.7	413.1	410.4	406.9	404.7	402.0	400.5	399.1
62.5°	381.6	386.5	385.8	384.6	382.3	380.8	378.8	377.9	376.0	375.4	374.7
65°	345.8	351.3	351.2	350.6	349.4	348.9	347.7	347.5	346.6	346.9	346.9
67.5°	317.6	322.4	323.6	324.3	324.3	324.6	324.5	325.0	325.0	325.6	326.1
70°	297.3	300.7	301.5	302.3	302.5	303.2	303.2	303.6	303.4	304.1	304.2
72.5°	276.8	281.3	282.0	282.7	282.7	283.3	282.9	282.8	282.0	281.8	281.2
75°	251.3	256.9	258.2	259.0	259.1	259.6	258.9	258.3	256.9	256.3	255.3
77.5°	224.5	230.5	231.3	231.6	231.1	231.2	229.7	228.5	226.7	225.9	224.9
80°	189.9	198.5	199.2	198.6	197.3	197.0	195.6	194.5	192.3	191.5	190.6
82.5°	144.5	154.7	156.1	156.7	155.6	155.9	154.4	153.7	151.7	151.3	150.0
85°	91.2	101.4	103.0	102.8	101.7	101.5	100.6	100.9	100.7	101.3	101.5
87.5°	41.9	51.7	54.1	53.4	53.3	52.5	51.0	51.6	52.5	53.1	53.2
90°	45.7	51.1	53.6	51.6	48.8	46.8	44.0	42.0	39.3	37.5	34.8
92.5°	62.0	65.8	69.6	66.2	62.9	59.5	56.2	52.7	49.4	46.0	42.7
95°	77.9	83.2	88.7	84.2	79.7	75.2	70.7	66.1	61.7	57.2	52.7
97.5°	87.4	93.7	100.2	95.7	91.2	86.6	82.2	77.7	73.2	68.8	64.3
100°	152.8	167.5	182.2	169.5	156.8	144.0	131.3	118.5	105.7	93.0	80.3
102.5°	348.7	384.6	420.5	388.3	356.1	323.8	291.7	259.5	227.3	195.1	162.9
105°	630.9	685.1	739.4	690.3	641.2	592.0	542.9	493.6	444.5	395.3	346.2
107.5°	850.7	901.6	952.6	908.2	863.8	819.4	774.9	730.5	686.1	641.6	597.3
110°	959.1	999.5	1040.0	1010.2	980.5	950.7	920.9	891.1	861.4	831.8	802.0



TEST NUMBER: P1444789
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL24

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	957.5	987.1	1016.7	999.3	982.0	964.7	947.3	930.0	912.6	895.4	878.1
115°	873.7	891.2	909.1	902.3	895.6	888.8	882.1	875.4	868.7	862.0	855.3
117.5°	768.7	777.5	786.7	785.6	784.5	783.4	782.4	781.4	780.3	779.3	778.4
120°	659.0	661.4	664.3	665.3	666.5	667.6	668.8	669.9	671.2	672.3	673.5
122.5°	565.9	564.4	563.4	564.5	565.6	566.6	567.8	569.0	570.2	571.3	572.5
125°	498.7	495.5	492.9	492.1	491.3	490.3	489.5	488.6	487.7	486.9	486.0
127.5°	449.2	445.8	442.8	440.4	438.0	435.5	433.1	430.6	428.3	425.8	423.4
130°	413.6	410.4	408.0	404.8	401.7	398.5	395.4	392.2	389.1	386.0	382.8
132.5°	387.2	384.2	382.1	379.0	376.1	373.0	370.0	367.0	364.1	360.9	358.0
135°	369.0	366.6	364.9	362.1	359.6	356.8	354.1	351.3	348.7	345.9	343.3
137.5°	352.7	350.5	349.2	347.0	345.0	342.8	340.8	338.6	336.5	334.2	332.2
140°	338.6	336.1	334.6	333.6	332.5	331.4	330.3	329.2	328.0	326.9	325.8
142.5°	327.2	325.0	323.8	323.2	322.6	321.9	321.4	320.7	320.0	319.3	318.7
145°	315.6	313.1	311.7	311.7	311.9	312.0	312.1	312.2	312.3	312.4	312.5
147.5°	307.1	304.6	303.3	303.6	303.9	304.2	304.5	304.7	305.0	305.3	305.6
150°	297.7	294.9	293.3	293.7	294.2	294.7	295.2	295.7	296.2	296.6	297.1
152.5°	289.6	286.2	284.4	284.9	285.5	285.9	286.5	286.9	287.5	288.1	288.6
155°	282.5	278.8	277.1	277.3	277.4	277.7	277.9	278.2	278.5	278.7	279.1
157.5°	277.4	273.8	272.1	272.1	272.2	272.3	272.4	272.6	272.7	272.9	273.1
160°	273.6	270.1	268.5	268.4	268.6	268.6	268.7	268.8	269.0	269.1	269.2
162.5°	270.0	266.5	265.0	265.0	265.1	265.1	265.2	265.1	265.3	265.4	265.6
165°	266.9	264.0	262.8	262.9	263.1	263.3	263.5	263.7	263.9	264.2	264.5
167.5°	266.8	264.2	263.3	263.2	263.0	262.9	262.9	262.8	262.8	262.7	262.7
170°	265.1	263.1	262.3	262.3	262.4	262.4	262.5	262.6	262.7	262.8	263.0
172.5°	264.2	262.7	262.2	262.4	262.6	262.9	263.2	263.4	263.7	263.9	264.2
175°	264.3	263.5	263.2	263.3	263.4	263.6	263.7	263.8	263.9	264.1	264.3
177.5°	265.7	265.3	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.2	265.2
180°	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1



TEST NUMBER: P1444789
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL24

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3
2.5°	9952.5	9964.0	9963.2	9974.0	9973.5	9983.7	9981.7	9990.5	9988.5	9996.0	9991.5
5°	10278.9	10301.0	10308.3	10328.2	10332.3	10350.1	10350.5	10364.7	10363.0	10374.1	10368.2
7.5°	10587.8	10608.4	10618.2	10633.6	10641.3	10654.1	10659.1	10669.7	10672.2	10678.4	10678.2
10°	10613.8	10613.8	10618.5	10616.4	10620.8	10618.2	10623.6	10621.6	10629.4	10627.4	10633.2
12.5°	10263.1	10228.4	10215.6	10184.4	10177.5	10150.7	10152.6	10135.4	10143.7	10133.1	10151.1
15°	9509.4	9428.7	9388.8	9318.6	9296.6	9241.1	9236.6	9199.7	9209.7	9190.4	9218.5
17.5°	8395.7	8268.5	8198.9	8096.3	8055.7	7977.1	7961.4	7914.0	7921.3	7897.5	7931.5
20°	7067.8	6914.2	6826.3	6707.7	6654.8	6561.2	6536.4	6483.3	6490.0	6466.3	6504.7
22.5°	5724.8	5564.0	5464.7	5340.4	5272.9	5184.9	5158.5	5105.2	5108.2	5085.9	5122.9
25°	4490.6	4336.4	4240.0	4127.2	4068.6	3987.9	3960.1	3912.3	3915.0	3896.6	3929.8
27.5°	3473.8	3347.3	3266.6	3172.1	3119.5	3053.2	3026.2	2985.9	2985.7	2972.3	3000.1
30°	2714.6	2609.1	2536.6	2454.2	2404.9	2345.0	2318.9	2282.9	2281.3	2271.7	2293.8
32.5°	2125.5	2031.5	1965.5	1893.0	1848.8	1797.3	1772.6	1743.7	1741.1	1732.4	1750.5
35°	1652.3	1573.2	1516.4	1455.3	1459.9	1384.1	1396.7	1337.8	1321.9	1318.4	1331.9
37.5°	1277.0	1215.8	1169.6	1123.9	1092.9	1061.0	1043.7	1028.3	1026.5	1025.0	1034.4
40°	999.6	956.7	923.2	891.8	870.4	851.0	840.2	831.7	829.6	828.5	834.2
42.5°	808.9	780.1	758.5	739.3	726.3	715.7	709.8	705.1	703.5	703.6	706.9
45°	683.5	665.9	652.0	640.1	631.8	635.5	624.8	630.4	623.0	630.6	625.6
47.5°	601.9	586.9	578.4	569.9	564.9	560.9	561.0	561.1	562.7	562.9	564.6
50°	539.0	530.3	524.3	518.9	516.3	514.2	514.9	515.5	517.1	517.2	518.4
52.5°	492.4	486.7	483.1	479.7	478.6	477.4	477.8	477.7	478.3	478.0	479.0
55°	454.5	451.8	450.6	449.4	449.6	449.2	449.4	448.3	447.6	446.6	447.5
57.5°	423.3	423.0	423.7	424.3	425.7	426.2	426.5	425.1	423.8	422.6	423.3
60°	399.4	400.0	401.8	403.4	405.5	406.4	406.9	406.2	405.3	404.2	404.8
62.5°	375.7	376.7	378.9	380.7	383.1	384.4	385.8	385.9	386.3	385.9	386.3
65°	348.2	349.4	351.4	352.9	355.2	356.4	357.8	358.0	358.9	358.7	359.3
67.5°	327.4	328.4	330.2	331.5	333.5	334.7	336.0	336.0	336.4	336.3	337.0
70°	305.2	305.7	307.3	308.4	310.4	311.6	313.0	313.5	314.4	314.5	315.3
72.5°	281.5	281.3	282.1	282.7	284.2	285.2	287.0	288.1	289.6	289.9	290.5
75°	255.6	255.4	256.5	256.9	258.3	259.2	261.3	262.6	265.1	266.0	265.7
77.5°	225.7	226.2	228.3	229.4	231.1	232.4	235.1	237.2	241.6	243.5	241.6
80°	192.3	192.8	194.9	196.0	198.3	199.7	202.8	205.3	209.2	210.1	209.0
82.5°	151.1	151.3	153.2	154.0	157.0	159.1	163.0	165.0	167.4	167.0	166.8
85°	103.0	104.4	106.9	109.2	112.9	116.4	120.0	123.0	120.9	124.2	120.5
87.5°	55.1	55.0	58.1	57.7	62.8	65.8	68.8	70.3	72.1	71.7	71.7
90°	33.1	31.5	30.7	29.0	28.4	26.6	26.3	24.7	24.5	22.6	25.2
92.5°	39.3	37.5	35.7	33.9	32.0	30.3	28.4	26.6	24.8	23.0	24.8
95°	48.3	46.6	44.9	43.2	41.6	39.9	38.2	36.5	34.8	33.2	35.3
97.5°	59.8	58.8	57.9	56.8	55.9	54.9	53.9	52.9	52.0	51.0	52.4
100°	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	68.6
102.5°	130.7	127.4	124.3	120.9	117.8	114.5	111.3	108.1	104.9	101.6	106.4
105°	297.1	284.5	271.9	259.3	246.6	234.0	221.5	208.8	196.2	183.6	196.7
107.5°	552.9	529.9	507.0	484.0	461.0	438.1	415.1	392.1	369.2	346.3	366.9
110°	772.2	747.9	723.5	699.2	674.8	650.4	626.1	601.7	577.3	553.0	572.6



TEST NUMBER: P1444789
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL24

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	860.7	845.0	829.4	813.5	797.9	782.2	766.6	750.8	735.2	719.5	729.0
115°	848.5	841.1	833.6	826.2	818.7	811.3	803.8	796.4	789.0	781.6	782.1
117.5°	777.4	774.8	772.4	769.9	767.6	765.1	762.7	760.3	757.9	755.6	750.3
120°	674.8	675.6	676.4	677.4	678.2	679.3	680.0	681.0	682.0	683.0	675.8
122.5°	573.6	575.5	577.5	579.5	581.4	583.5	585.5	587.6	589.7	591.8	584.6
125°	485.2	487.2	489.0	491.1	492.9	495.0	497.0	499.2	501.1	503.4	497.3
127.5°	421.0	421.8	422.5	423.3	424.1	425.1	425.9	426.9	427.8	428.9	425.1
130°	379.7	379.2	378.7	378.2	377.7	377.4	377.0	376.7	376.4	376.1	374.3
132.5°	355.0	353.6	352.3	350.9	349.6	348.3	347.1	346.0	344.8	343.8	343.2
135°	340.5	338.6	336.6	334.7	332.8	331.1	329.2	327.6	325.9	324.2	324.4
137.5°	330.0	328.1	326.2	324.3	322.3	320.6	318.8	317.0	315.4	313.8	314.2
140°	324.7	322.7	320.8	318.9	317.1	315.3	313.5	311.8	310.1	308.6	308.8
142.5°	318.0	316.3	314.4	312.8	311.1	309.5	307.8	306.3	304.7	303.3	303.7
145°	312.6	311.3	310.0	308.7	307.4	306.3	305.0	304.0	302.9	301.9	302.0
147.5°	305.9	304.9	303.9	303.0	302.0	301.1	300.2	299.3	298.5	297.8	297.8
150°	297.6	297.0	296.3	295.7	295.1	294.5	293.9	293.4	292.8	292.4	292.3
152.5°	289.1	288.5	287.9	287.3	286.8	286.2	285.6	285.2	284.7	284.2	284.2
155°	279.4	279.1	278.8	278.6	278.3	278.1	277.8	277.7	277.4	277.3	277.3
157.5°	273.3	273.1	273.0	273.0	272.9	272.8	272.7	272.7	272.6	272.6	272.7
160°	269.4	269.2	269.0	268.9	268.6	268.4	268.2	268.1	267.9	267.8	268.0
162.5°	265.7	265.9	265.9	266.0	266.1	266.2	266.3	266.4	266.5	266.6	266.7
165°	264.8	264.7	264.6	264.5	264.4	264.4	264.3	264.3	264.2	264.3	264.5
167.5°	262.7	262.8	263.0	263.1	263.3	263.5	263.7	263.9	264.1	264.4	264.7
170°	263.0	263.0	263.0	263.0	263.0	263.1	263.1	263.1	263.2	263.3	263.5
172.5°	264.5	264.5	264.4	264.5	264.4	264.5	264.5	264.5	264.5	264.6	264.8
175°	264.4	264.6	264.8	264.9	265.1	265.1	265.3	265.4	265.6	265.7	265.7
177.5°	265.2	265.2	265.2	265.2	265.2	265.3	265.3	265.3	265.3	265.2	265.3
180°	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1



TEST NUMBER: P1444789
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL24

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3
2.5°	9998.9	9993.9	9999.0	9993.9	9999.0	9992.8	9997.0	9990.3	9992.0	9985.0	9986.8
5°	10376.9	10369.0	10373.2	10362.9	10364.0	10350.1	10349.9	10333.8	10329.5	10311.2	10303.2
7.5°	10682.7	10680.1	10681.6	10674.9	10674.1	10664.6	10660.2	10646.8	10638.5	10621.6	10610.0
10°	10634.3	10642.1	10644.1	10652.1	10653.7	10661.6	10663.2	10671.1	10672.7	10678.5	10678.6
12.5°	10150.3	10176.7	10183.1	10215.8	10229.6	10266.9	10287.0	10328.2	10352.6	10393.8	10419.1
15°	9217.8	9263.6	9281.9	9345.7	9381.0	9455.6	9502.3	9587.9	9648.3	9739.1	9804.0
17.5°	7934.5	7998.5	8027.3	8113.9	8170.3	8280.4	8359.6	8490.1	8590.0	8734.9	8849.9
20°	6511.4	6582.4	6621.7	6720.3	6787.0	6915.5	7014.5	7174.8	7308.5	7492.3	7649.4
22.5°	5134.6	5202.2	5245.7	5346.2	5421.2	5555.2	5665.9	5835.1	5984.9	6191.9	6380.3
25°	3942.4	4004.4	4043.7	4134.5	4205.1	4328.2	4433.8	4596.6	4743.2	4950.9	5144.0
27.5°	3013.9	3065.9	3103.8	3181.2	3243.3	3347.8	3438.5	3573.0	3699.4	3879.0	4051.1
30°	2307.4	2353.4	2390.3	2457.8	2515.4	2606.0	2685.7	2798.8	2903.3	3046.2	3183.1
32.5°	1763.2	1802.8	1835.7	1894.8	1947.0	2028.6	2100.5	2199.5	2289.2	2410.4	2523.1
35°	1344.4	1422.3	1416.8	1498.4	1511.4	1569.9	1634.1	1720.7	1800.1	1903.3	1999.0
37.5°	1043.4	1065.4	1088.9	1124.9	1162.8	1216.0	1270.2	1375.9	1414.8	1492.7	1572.0
40°	841.5	856.3	871.8	896.1	922.6	960.2	999.6	1050.1	1101.8	1164.9	1229.5
42.5°	711.4	719.8	729.7	743.9	760.3	784.1	810.4	844.6	880.7	925.1	970.5
45°	635.6	631.6	634.5	642.2	652.1	666.5	683.2	704.3	727.8	756.6	787.2
47.5°	564.9	566.5	567.4	571.6	576.9	586.6	596.6	611.1	638.8	647.2	664.0
50°	518.3	519.0	518.7	520.9	523.6	529.8	536.3	546.1	555.8	568.8	581.1
52.5°	479.1	480.2	480.1	481.5	482.9	486.9	491.0	497.9	504.3	512.5	519.5
55°	448.2	449.7	450.4	451.5	452.2	454.3	455.9	459.2	461.9	466.6	470.9
57.5°	424.5	426.5	427.4	427.9	427.1	427.0	426.4	427.1	427.6	430.1	432.6
60°	405.7	407.4	407.7	407.4	405.9	404.8	403.0	402.5	402.2	403.4	404.7
62.5°	386.2	386.8	386.4	385.9	384.1	383.1	381.2	380.6	379.9	380.9	381.5
65°	359.1	359.6	359.1	358.8	357.3	356.4	354.9	354.3	353.5	353.7	353.6
67.5°	337.1	337.6	337.3	336.8	335.8	335.2	334.1	333.3	332.3	331.9	331.1
70°	315.2	315.5	315.0	314.5	313.3	312.8	311.8	311.5	310.7	310.5	309.7
72.5°	289.9	290.0	289.1	288.9	288.0	287.9	287.5	287.9	287.9	288.3	288.1
75°	264.2	263.8	262.7	262.5	261.8	262.2	261.7	262.4	262.4	263.3	263.5
77.5°	238.3	237.0	234.9	233.9	232.5	232.4	231.5	232.1	231.9	233.0	233.5
80°	205.7	204.0	201.3	200.1	198.4	198.2	197.4	198.2	197.8	199.1	200.0
82.5°	164.2	162.8	160.1	159.0	157.1	157.3	156.4	157.3	157.2	159.0	160.1
85°	121.5	120.6	117.7	115.2	112.4	110.7	109.1	108.8	108.3	109.1	109.7
87.5°	70.2	69.3	67.1	65.6	60.7	60.8	58.9	58.8	58.3	57.9	58.9
90°	25.9	28.2	29.1	31.3	32.2	34.7	35.7	38.0	39.2	41.8	43.2
92.5°	26.6	28.4	30.3	32.0	33.9	35.7	37.5	39.3	43.2	47.0	51.1
95°	37.4	39.5	41.6	43.7	45.7	47.9	49.9	52.1	57.9	63.5	69.3
97.5°	53.8	55.2	56.6	57.9	59.3	60.7	62.1	63.5	69.7	75.8	82.0
100°	69.7	70.8	71.9	73.0	74.2	75.3	76.4	77.5	89.5	101.4	113.3
102.5°	111.1	115.9	120.6	125.4	130.2	135.0	139.7	144.5	171.8	199.1	226.4
105°	209.6	222.7	235.8	248.7	261.8	274.8	287.8	300.8	344.5	388.1	431.9
107.5°	387.5	408.0	428.6	449.2	469.8	490.3	510.9	531.6	574.1	616.7	659.2
110°	592.2	611.8	631.4	651.1	670.7	690.3	709.9	729.6	755.1	780.5	806.2



TEST NUMBER: P1444789
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL24

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	738.5	748.0	757.5	767.2	776.7	786.3	795.8	805.4	818.1	830.7	843.5
115°	782.8	783.3	783.9	784.5	785.1	785.7	786.4	787.1	791.1	794.9	798.9
117.5°	744.9	739.7	734.4	729.1	723.9	718.7	713.5	708.3	707.3	706.4	705.4
120°	668.9	661.7	654.8	647.6	640.7	633.6	626.7	619.7	616.0	612.3	608.6
122.5°	577.6	570.4	563.6	556.5	549.5	542.5	535.7	528.7	526.0	523.3	520.7
125°	491.3	485.5	479.6	473.6	468.0	462.1	456.4	450.6	450.2	449.7	449.3
127.5°	421.5	417.7	414.2	410.6	407.0	403.5	400.0	396.5	397.7	398.8	400.0
130°	372.7	370.9	369.4	367.6	366.2	364.6	363.2	361.6	363.9	366.1	368.6
132.5°	342.8	342.5	342.1	341.7	341.4	341.3	341.0	340.8	343.5	346.2	348.9
135°	324.7	325.0	325.4	325.7	326.3	326.5	327.1	327.5	330.2	332.7	335.3
137.5°	314.9	315.4	316.1	316.7	317.4	318.1	318.9	319.6	321.6	323.6	325.6
140°	309.3	309.7	310.2	310.7	311.3	311.8	312.5	312.9	314.5	316.1	317.6
142.5°	304.1	304.5	305.0	305.5	306.0	306.5	307.1	307.6	308.7	309.8	311.0
145°	302.3	302.6	302.9	303.3	303.5	304.0	304.3	304.7	305.4	306.0	306.6
147.5°	297.9	298.0	298.2	298.4	298.7	298.9	299.1	299.2	299.6	299.9	300.4
150°	292.3	292.3	292.3	292.3	292.3	292.4	292.4	292.4	292.7	293.1	293.4
152.5°	284.2	284.2	284.1	284.1	284.1	284.2	284.1	284.2	284.4	284.8	285.1
155°	277.4	277.5	277.7	277.8	278.0	278.1	278.3	278.4	278.6	278.7	278.8
157.5°	272.8	272.9	273.1	273.2	273.3	273.4	273.5	273.7	273.9	274.0	274.1
160°	268.2	268.6	268.8	269.2	269.3	269.6	269.9	270.2	270.4	270.5	270.6
162.5°	266.9	267.0	267.2	267.3	267.4	267.6	267.7	267.8	268.2	268.4	268.7
165°	264.8	265.1	265.4	265.5	265.9	266.2	266.5	266.7	266.8	266.9	267.1
167.5°	264.9	265.1	265.4	265.7	266.0	266.3	266.5	266.8	266.9	267.0	267.2
170°	263.7	264.0	264.2	264.5	264.7	265.0	265.2	265.4	265.7	266.0	266.2
172.5°	265.0	265.1	265.3	265.5	265.7	266.0	266.2	266.5	266.6	266.9	267.0
175°	265.7	265.7	265.7	265.8	265.8	265.8	265.8	265.9	266.0	266.0	266.0
177.5°	265.5	265.6	265.8	265.9	266.1	266.2	266.4	266.5	266.5	266.5	266.5
180°	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1



TEST NUMBER: P1444789
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL24

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3
2.5°	9979.8	9980.3	9972.2	9971.8	9964.2	9963.3	9955.9	9953.7	9947.7	9945.6	9939.4
5°	10282.6	10272.8	10250.2	10236.8	10214.4	10199.6	10175.3	10159.5	10136.1	10118.5	10094.9
7.5°	10588.8	10573.6	10548.2	10527.5	10496.5	10471.7	10435.4	10405.5	10366.1	10332.0	10290.7
10°	10678.6	10676.3	10669.8	10660.4	10645.9	10629.7	10604.9	10579.1	10544.6	10507.1	10461.2
12.5°	10457.6	10481.5	10514.1	10533.4	10556.8	10567.1	10576.7	10574.3	10567.9	10549.0	10522.5
15°	9897.9	9964.9	10053.7	10122.5	10201.7	10259.2	10322.7	10362.3	10401.8	10420.1	10431.3
17.5°	9007.3	9134.3	9293.5	9425.5	9577.7	9700.0	9834.0	9934.9	10038.7	10113.0	10180.2
20°	7863.6	8047.5	8272.6	8471.5	8702.9	8903.8	9124.2	9305.0	9491.4	9637.2	9775.3
22.5°	6622.9	6841.4	7113.6	7365.7	7663.9	7931.8	8234.3	8497.4	8772.1	9001.7	9223.6
25°	5402.9	5642.4	5940.1	6221.4	6559.2	6870.9	7229.5	7557.4	7912.6	8220.8	8525.4
27.5°	4288.8	4524.1	4828.0	5127.4	5484.5	5816.6	6200.8	6562.2	6966.6	7339.4	7720.8
30°	3373.2	3572.7	3845.2	4135.3	4487.5	4825.5	5213.9	5585.4	6006.0	6413.2	6842.8
32.5°	2672.5	2824.5	3038.7	3284.0	3608.9	3930.7	4300.5	4659.3	5073.5	5484.7	5931.6
35°	2122.5	2241.0	2404.3	2595.8	2871.0	3148.3	3475.4	3801.6	4188.0	4578.3	5012.6
37.5°	1673.7	1769.8	1897.8	2041.6	2262.3	2489.9	2758.1	3028.6	3364.4	3710.3	4103.9
40°	1306.9	1384.8	1484.4	1591.6	1758.3	1933.7	2141.1	2350.8	2620.6	2903.4	3229.1
42.5°	1026.7	1084.2	1154.5	1232.8	1388.3	1481.5	1622.2	1773.9	1972.2	2177.4	2422.4
45°	824.5	863.7	912.5	965.1	1037.3	1116.2	1212.5	1313.6	1502.0	1594.4	1743.4
47.5°	688.6	714.9	746.0	779.0	821.6	867.5	924.7	983.1	1058.6	1136.9	1228.7
50°	597.0	623.7	634.5	651.6	676.2	702.5	734.7	766.8	807.4	848.4	895.7
52.5°	529.1	537.7	549.4	560.3	575.5	605.4	615.1	631.8	654.6	676.8	701.6
55°	477.1	482.8	490.3	496.9	506.2	515.0	527.7	539.0	554.0	567.5	584.0
57.5°	436.8	440.4	445.6	449.9	455.9	460.9	468.3	474.4	483.2	490.7	500.7
60°	407.4	409.8	413.3	416.2	419.9	422.5	426.2	429.1	433.7	437.5	443.1
62.5°	383.4	384.7	387.0	388.6	391.0	392.3	394.3	395.6	398.1	400.0	403.1
65°	354.7	355.0	356.4	357.2	359.1	359.8	361.4	361.9	364.1	365.5	368.2
67.5°	331.1	330.5	330.5	329.9	330.2	329.6	329.8	329.2	330.0	330.5	332.5
70°	309.6	308.7	308.4	307.3	307.1	306.0	305.8	304.8	304.7	304.5	305.2
72.5°	288.6	288.3	288.4	287.7	287.6	286.9	286.9	286.6	287.0	287.2	288.2
75°	264.5	264.5	265.1	264.4	264.6	264.0	264.2	263.7	263.9	263.8	264.8
77.5°	235.1	235.8	237.1	236.8	237.2	236.5	236.8	236.1	236.4	235.8	236.2
80°	202.1	203.6	205.2	205.2	206.0	205.4	206.1	205.4	205.7	204.8	204.6
82.5°	162.9	164.2	166.0	166.0	167.7	168.0	169.7	169.7	170.8	170.1	169.6
85°	111.3	112.2	113.8	114.7	116.4	117.4	119.1	119.8	118.5	120.8	119.1
87.5°	58.1	60.3	59.1	62.0	61.3	64.1	63.5	66.1	65.6	67.9	67.6
90°	46.2	47.8	50.8	52.5	55.9	57.9	57.4	55.2	54.8	52.6	52.2
92.5°	54.9	59.0	62.9	66.8	70.7	74.6	71.0	67.4	63.7	60.1	56.5
95°	75.0	80.8	86.5	92.2	97.9	103.7	97.5	91.4	85.2	79.1	72.9
97.5°	88.1	94.4	100.5	106.7	112.8	119.0	111.7	104.4	97.2	90.0	82.6
100°	125.2	137.0	149.0	160.9	172.8	184.7	171.1	157.6	144.1	130.5	117.0
102.5°	253.8	281.0	308.3	335.7	363.0	390.3	361.5	332.7	303.9	275.1	246.2
105°	475.5	519.3	562.9	606.7	650.3	694.1	647.4	600.7	554.0	507.4	460.6
107.5°	701.9	744.4	787.1	829.6	872.3	914.9	867.5	820.1	772.8	725.5	678.1
110°	831.7	857.2	882.7	908.4	933.9	959.5	924.9	890.3	855.7	821.0	786.4



TEST NUMBER: P1444789
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL24

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	856.2	868.9	881.6	894.5	907.1	919.9	895.1	870.3	845.5	820.8	795.9
115°	802.8	806.7	810.6	814.6	818.5	822.5	805.7	788.9	772.1	755.4	738.5
117.5°	704.5	703.7	702.7	701.9	700.9	700.0	690.5	681.1	671.5	662.1	652.5
120°	605.0	601.2	597.6	593.9	590.2	586.6	582.4	578.3	574.1	570.0	565.7
122.5°	518.0	515.4	512.8	510.1	507.4	504.7	502.9	501.2	499.5	497.7	495.9
125°	449.1	448.6	448.2	447.7	447.4	446.9	445.9	444.9	443.8	442.8	441.7
127.5°	401.2	402.4	403.5	404.7	405.8	406.9	406.4	406.1	405.5	405.2	404.6
130°	370.8	373.1	375.4	377.7	379.8	382.2	381.4	380.8	379.9	379.3	378.5
132.5°	351.7	354.3	357.0	359.7	362.4	365.0	364.2	363.3	362.4	361.7	360.8
135°	337.8	340.5	343.0	345.6	348.1	350.6	349.6	348.6	347.5	346.7	345.6
137.5°	327.6	329.6	331.5	333.4	335.4	337.3	336.3	335.3	334.4	333.3	332.4
140°	319.2	320.7	322.2	323.7	325.2	326.7	325.5	324.4	323.2	322.1	320.9
142.5°	312.0	313.1	314.2	315.3	316.3	317.4	315.9	314.4	312.9	311.5	310.0
145°	307.3	307.9	308.6	309.2	309.8	310.4	308.7	307.2	305.4	303.8	302.1
147.5°	300.6	301.0	301.2	301.6	301.8	302.2	300.6	299.1	297.6	296.0	294.4
150°	293.7	294.0	294.3	294.5	294.9	295.1	293.5	291.9	290.3	288.7	287.2
152.5°	285.4	285.6	285.9	286.1	286.4	286.6	285.2	283.7	282.3	280.7	279.3
155°	278.9	279.1	279.2	279.3	279.4	279.5	278.2	277.1	275.9	274.6	273.3
157.5°	274.2	274.4	274.5	274.6	274.6	274.7	273.7	272.9	271.9	271.0	270.0
160°	270.7	270.8	270.9	271.0	271.1	271.2	270.4	269.6	268.9	268.0	267.2
162.5°	268.9	269.2	269.4	269.6	269.9	270.1	269.2	268.3	267.3	266.4	265.3
165°	267.2	267.3	267.4	267.5	267.6	267.7	267.0	266.4	265.7	265.1	264.4
167.5°	267.3	267.4	267.5	267.6	267.6	267.7	267.0	266.5	265.7	265.1	264.3
170°	266.5	266.6	266.9	267.0	267.3	267.4	266.9	266.4	265.8	265.3	264.8
172.5°	267.3	267.5	267.7	267.8	268.0	268.2	267.7	267.1	266.5	266.0	265.4
175°	266.0	266.1	266.2	266.2	266.2	266.2	265.8	265.3	265.0	264.5	264.1
177.5°	266.5	266.5	266.5	266.5	266.5	266.5	266.2	265.9	265.6	265.3	265.0
180°	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1



TEST NUMBER: P1444789
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL24

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3	9875.3
2.5°	9937.3	9933.0	9930.2	9926.7	9924.5	9921.7	9919.8	9918.0	9916.6	9915.3	9914.4
5°	10077.1	10054.9	10037.6	10018.9	10003.6	9988.3	9976.5	9966.7	9960.0	9954.9	9951.9
7.5°	10255.0	10214.3	10178.1	10140.0	10105.9	10072.4	10043.5	10018.5	9999.8	9987.7	9980.4
10°	10413.8	10359.4	10305.6	10248.9	10195.2	10143.1	10094.9	10052.6	10019.2	9996.9	9984.0
12.5°	10485.0	10438.7	10383.7	10322.2	10256.4	10189.8	10124.8	10066.2	10017.1	9984.2	9965.1
15°	10422.3	10403.3	10366.0	10318.3	10255.7	10186.9	10110.7	10038.9	9973.1	9930.3	9905.5
17.5°	10218.3	10244.8	10242.0	10223.8	10178.8	10120.8	10043.1	9962.6	9880.2	9823.1	9791.9
20°	9874.0	9957.5	9999.8	10021.6	10003.9	9966.4	9896.0	9814.3	9718.3	9643.6	9598.1
22.5°	9390.1	9537.5	9629.5	9696.7	9710.9	9698.2	9636.0	9558.3	9451.2	9361.5	9294.3
25°	8767.2	8983.2	9128.4	9242.3	9286.5	9297.9	9245.1	9167.9	9048.4	8944.0	8851.6
27.5°	8033.5	8314.2	8508.1	8661.0	8730.2	8760.1	8711.4	8632.6	8491.3	8366.6	8246.0
30°	7207.5	7540.6	7774.0	7957.5	8041.6	8081.2	8029.5	7941.5	7777.1	7627.0	7475.1
32.5°	6323.4	6687.8	6942.3	7141.4	7224.8	7262.1	7194.4	7095.7	6905.6	6728.9	6551.6
35°	5397.8	5765.6	6022.2	6216.1	6286.0	6308.5	6222.0	6107.8	5897.2	5703.3	5509.9
37.5°	4453.3	4795.6	5028.7	5202.7	5246.0	5249.8	5145.7	5019.5	4798.3	4607.0	4414.6
40°	3517.0	3805.6	3993.9	4133.2	4148.2	4134.7	4021.5	3894.6	3687.5	3516.2	3347.3
42.5°	2635.0	2852.9	2987.2	3082.6	3076.9	3050.5	2946.7	2837.5	2666.7	2536.2	2403.4
45°	1879.4	2023.1	2101.6	2157.5	2139.5	2114.3	2033.5	1957.0	1840.9	1756.6	1667.4
47.5°	1305.7	1477.2	1447.3	1556.6	1462.5	1524.6	1395.2	1323.9	1262.3	1217.5	1167.0
50°	934.7	974.0	993.0	1006.0	999.1	989.6	966.3	945.5	917.4	896.9	873.0
52.5°	721.8	741.5	752.3	760.1	758.5	755.1	744.9	735.7	722.5	713.8	703.4
55°	611.4	611.7	631.6	623.1	635.6	620.9	626.7	610.4	613.0	599.0	589.6
57.5°	508.1	516.1	519.8	523.3	522.3	521.7	517.8	515.8	511.4	510.0	506.8
60°	446.9	451.2	452.0	453.6	452.3	451.8	448.7	447.6	444.7	444.1	442.0
62.5°	405.0	407.1	407.1	407.1	405.5	403.7	400.3	398.6	396.0	395.5	394.3
65°	370.0	372.3	372.7	373.1	371.8	370.5	367.5	365.6	363.0	361.9	360.5
67.5°	333.9	336.2	337.1	338.3	337.5	337.3	335.2	334.5	332.8	332.3	331.1
70°	305.5	306.5	306.4	306.4	304.8	303.3	301.0	299.9	298.0	297.7	296.5
72.5°	288.6	289.4	288.9	288.3	286.2	284.1	281.3	279.2	276.9	275.5	273.8
75°	264.9	265.8	265.2	264.9	263.0	261.6	259.4	258.3	256.6	256.1	255.0
77.5°	235.7	236.2	235.2	235.1	233.7	232.8	231.1	230.9	229.7	229.7	228.5
80°	203.3	203.0	201.5	201.1	199.7	199.4	198.1	198.2	197.2	197.6	196.9
82.5°	167.2	166.3	164.3	163.8	162.1	161.9	161.1	161.8	161.2	162.1	161.5
85°	119.9	120.1	119.3	119.3	118.8	118.9	118.9	119.3	119.4	120.3	120.2
87.5°	66.8	67.8	67.6	68.5	68.5	69.4	69.8	71.2	71.4	72.8	72.8
90°	50.0	49.7	47.6	47.3	46.2	46.9	46.1	46.8	45.7	46.2	44.9
92.5°	52.8	49.2	45.6	41.9	40.1	38.2	36.5	34.6	32.8	30.9	29.1
95°	66.7	60.6	54.4	48.3	46.1	44.1	41.9	39.9	37.7	35.7	33.5
97.5°	75.4	68.1	60.8	53.6	51.7	49.9	48.0	46.2	44.3	42.6	40.7
100°	103.4	89.8	76.3	62.7	61.1	59.6	58.0	56.6	55.0	53.4	51.8
102.5°	217.5	188.8	159.9	131.1	125.6	120.2	114.7	109.1	103.7	98.2	92.7
105°	414.0	367.3	320.6	273.8	259.0	244.2	229.3	214.5	199.7	184.8	169.9
107.5°	630.6	583.2	535.9	488.5	461.1	433.6	406.2	378.7	351.3	323.8	296.4
110°	751.7	717.1	682.4	647.8	625.8	603.7	581.5	559.5	537.4	515.3	493.1



TEST NUMBER: P1444789
 CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL24

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	771.1	746.2	721.4	696.5	686.5	676.5	666.5	656.4	646.3	636.2	626.2
115°	721.7	704.9	688.0	671.1	667.5	664.0	660.4	656.8	653.2	649.5	645.9
117.5°	643.1	633.5	624.0	614.5	614.9	615.4	615.9	616.5	616.8	617.3	617.7
120°	561.6	557.4	553.2	549.0	551.9	554.8	557.8	560.6	563.6	566.3	569.1
122.5°	494.1	492.4	490.6	488.7	492.3	495.8	499.3	502.7	506.2	509.5	512.9
125°	440.8	439.6	438.6	437.5	441.0	444.6	448.1	451.5	455.1	458.5	461.8
127.5°	404.2	403.7	403.3	402.8	405.3	407.6	410.0	412.3	414.8	417.0	419.3
130°	377.9	377.0	376.4	375.6	377.8	379.9	382.1	384.1	386.4	388.3	390.3
132.5°	360.0	359.1	358.2	357.4	358.9	360.3	361.9	363.1	364.6	365.8	367.1
135°	344.7	343.6	342.7	341.6	342.9	344.3	345.6	346.9	348.1	349.2	350.4
137.5°	331.4	330.4	329.3	328.3	329.5	330.7	331.9	333.0	334.0	335.1	336.0
140°	319.7	318.5	317.4	316.2	317.2	318.3	319.3	320.3	321.2	322.1	323.0
142.5°	308.5	306.9	305.6	304.0	304.7	305.5	306.1	306.8	307.6	308.2	308.7
145°	300.5	298.8	297.2	295.5	296.1	296.5	297.2	297.7	298.2	298.6	299.1
147.5°	292.9	291.3	289.7	288.2	288.6	289.0	289.4	289.6	290.1	290.4	290.7
150°	285.5	284.0	282.4	280.7	281.1	281.5	281.7	282.1	282.4	282.7	282.9
152.5°	277.7	276.3	274.7	273.3	273.5	273.8	274.1	274.4	274.6	274.9	275.1
155°	272.1	270.8	269.6	268.3	268.6	268.9	269.2	269.3	269.5	269.8	270.0
157.5°	269.1	267.9	267.1	266.0	266.2	266.2	266.4	266.3	266.5	266.5	266.5
160°	266.4	265.5	264.7	263.7	263.7	263.9	263.9	264.0	264.0	264.0	264.0
162.5°	264.4	263.4	262.4	261.4	261.5	261.5	261.7	261.6	261.7	261.7	261.7
165°	263.7	263.0	262.3	261.5	261.5	261.4	261.4	261.2	261.1	261.0	260.9
167.5°	263.7	262.9	262.3	261.4	261.6	261.6	261.7	261.7	261.9	261.8	261.9
170°	264.2	263.6	263.0	262.4	262.4	262.4	262.3	262.2	262.1	262.0	261.9
172.5°	264.9	264.3	263.7	263.1	263.1	263.0	263.0	262.9	262.8	262.7	262.7
175°	263.7	263.3	262.7	262.4	262.3	262.3	262.3	262.2	262.1	262.1	262.0
177.5°	264.7	264.4	264.1	263.8	263.7	263.7	263.7	263.7	263.7	263.7	263.7
180°	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1



TEST NUMBER: P1444789
CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL24

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	9875.3	9875.3
2.5°	9913.5	9913.0
5°	9950.3	9949.8
7.5°	9978.4	9978.2
10°	9981.7	9983.4
12.5°	9961.8	9963.2
15°	9903.7	9906.4
17.5°	9792.4	9796.0
20°	9600.9	9604.6
22.5°	9290.6	9292.2
25°	8839.6	8833.3
27.5°	8224.8	8213.8
30°	7443.2	7432.5
32.5°	6511.3	6504.6
35°	5462.2	5458.0
37.5°	4357.8	4349.2
40°	3285.5	3260.6
42.5°	2345.1	2301.4
45°	1620.7	1568.8
47.5°	1131.4	1099.3
50°	857.6	847.2
52.5°	698.8	696.4
55°	589.6	588.5
57.5°	507.6	507.2
60°	443.1	443.0
62.5°	395.0	395.2
65°	361.2	361.3
67.5°	331.4	331.2
70°	297.0	296.7
72.5°	273.3	272.9
75°	255.0	254.7
77.5°	228.9	228.5
80°	197.3	196.9
82.5°	162.3	161.7
85°	121.1	121.1
87.5°	74.1	74.1
90°	45.3	43.8
92.5°	27.4	25.6
95°	31.5	29.3
97.5°	38.9	37.1
100°	50.3	48.7
102.5°	87.3	81.8
105°	155.1	140.3
107.5°	269.0	241.6
110°	471.0	449.0



TEST NUMBER: P1444789
CATALOG NUMBER: EHBR1-12-UNV-TA-L940-UPL24

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	616.1	606.0
115°	642.3	638.6
117.5°	618.1	618.5
120°	571.8	574.6
122.5°	516.2	519.5
125°	465.1	468.4
127.5°	421.5	423.6
130°	392.0	394.0
132.5°	368.3	369.4
135°	351.4	352.4
137.5°	337.0	337.8
140°	323.7	324.5
142.5°	309.3	309.8
145°	299.4	299.8
147.5°	290.8	291.0
150°	283.1	283.3
152.5°	275.3	275.5
155°	270.1	270.3
157.5°	266.5	266.5
160°	264.0	264.0
162.5°	261.7	261.7
165°	260.7	260.6
167.5°	261.8	261.9
170°	261.8	261.7
172.5°	262.6	262.5
175°	262.0	262.0
177.5°	263.7	263.6
180°	265.1	265.1

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-7

Test Date: 08/04/2025

Luminaire Tested: EHBR-60-L940-N

Data in this report applies to families of products including EHBR-60-L940-N

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-7
 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-L940-N**
 Description: Elevate Round Highbay at, 60000 lumens, 4000K 90CRI LEDs with N lens

Spectral Parameters

CCT (K): 3963
 CIE u': 0.2267
 CIE v': 0.5003
 Duv: -0.0016
 CIE x: 0.3810
 CIE y: 0.3738
 CIE z: 0.2453
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 580
 Purity: 26.49712
 Rf: 90.7
 Rg: 101

CRI (Ra):	93.4		
R1:	95.2	R9:	66.4
R2:	95.1	R10:	86.6
R3:	93.3	R11:	94.4
R4:	94.5	R12:	75.4
R5:	94.2	R13:	95.0
R6:	92.9	R14:	95.4
R7:	94.0	R15:	92.8
R8:	87.7		



Test Conditions

Stabilization Time: 44M
 Operation Time: 1H 44M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-7

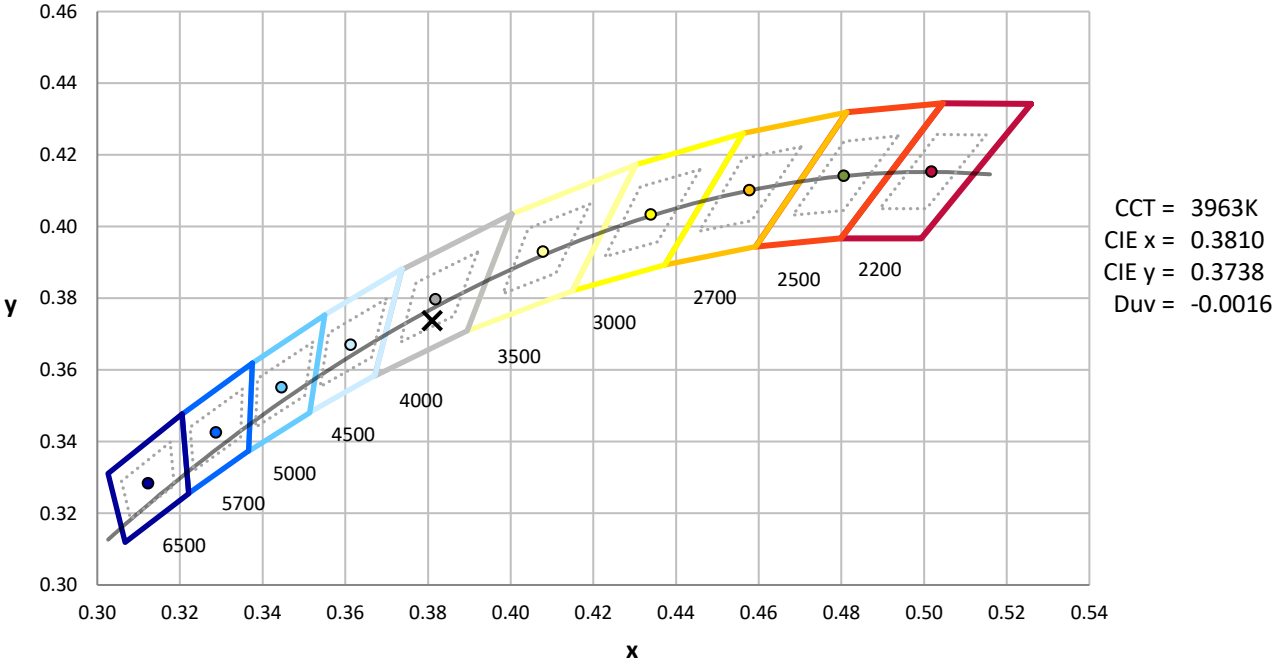
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208	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: SP1-2506-472-7

CIE 1931 Chromaticity Diagram



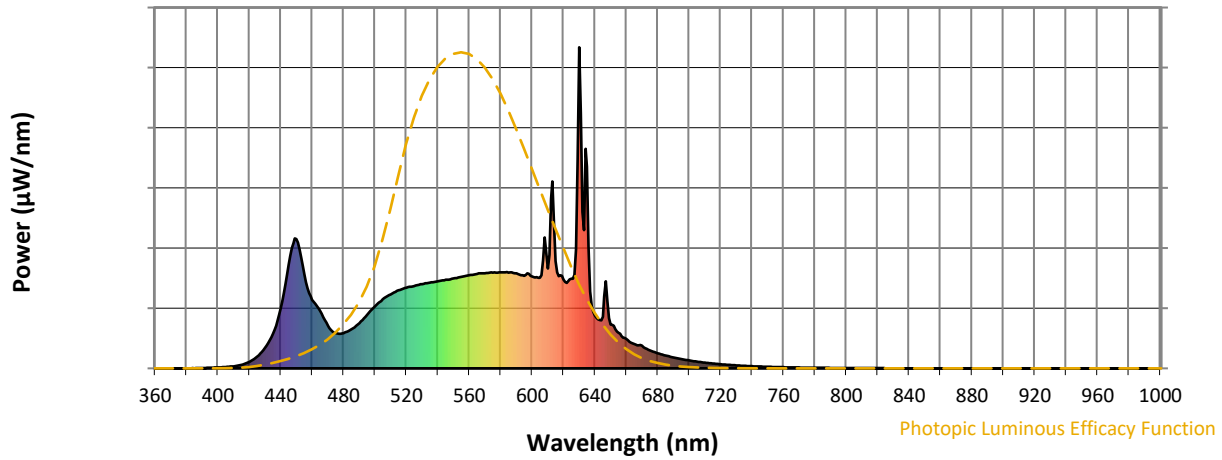
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-7

Photopic Flux vs. Wavelength

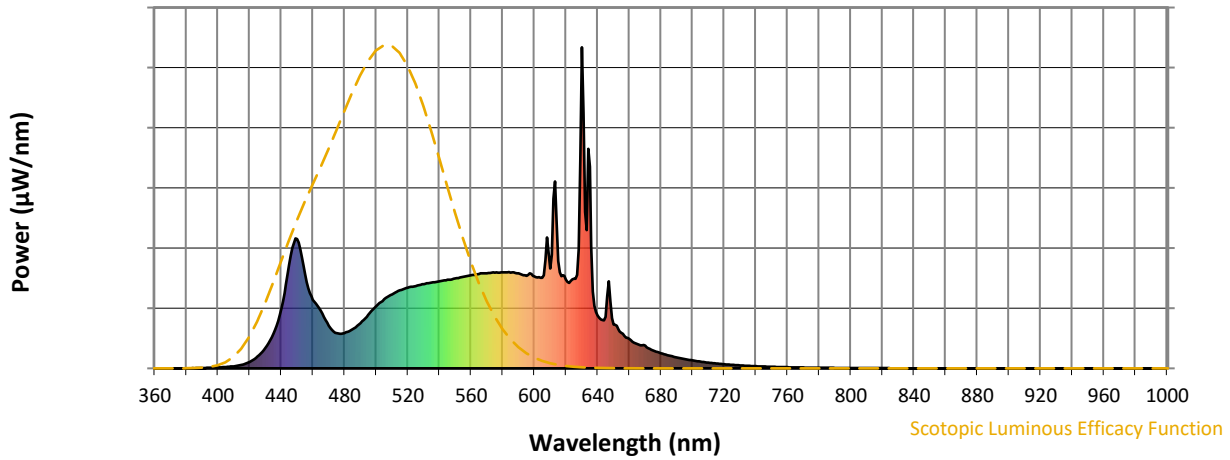


Photopic Lumens: NR

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	141	NR	620	276	NR	750	5	NR	880	0	NR
365	0	NR	495	167	NR	625	279	NR	755	4	NR	885	0	NR
370	0	NR	500	193	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	215	NR	635	628	NR	765	3	NR	895	0	NR
380	0	NR	510	230	NR	640	164	NR	770	3	NR	900	0	NR
385	0	NR	515	243	NR	645	161	NR	775	2	NR	905	0	NR
390	1	NR	520	251	NR	650	137	NR	780	2	NR	910	0	NR
395	2	NR	525	256	NR	655	111	NR	785	2	NR	915	0	NR
400	3	NR	530	262	NR	660	92	NR	790	1	NR	920	0	NR
405	4	NR	535	267	NR	665	76	NR	795	1	NR	925	0	NR
410	6	NR	540	271	NR	670	71	NR	800	1	NR	930	0	NR
415	11	NR	545	276	NR	675	56	NR	805	1	NR	935	0	NR
420	20	NR	550	280	NR	680	47	NR	810	1	NR	940	0	NR
425	37	NR	555	285	NR	685	40	NR	815	1	NR	945	0	NR
430	63	NR	560	290	NR	690	34	NR	820	1	NR	950	0	NR
435	108	NR	565	294	NR	695	29	NR	825	1	NR	955	0	NR
440	186	NR	570	296	NR	700	25	NR	830	0	NR	960	0	NR
445	323	NR	575	298	NR	705	21	NR	835	0	NR	965	0	NR
450	403	NR	580	299	NR	710	18	NR	840	0	NR	970	0	NR
455	293	NR	585	298	NR	715	15	NR	845	0	NR	975	0	NR
460	214	NR	590	296	NR	720	13	NR	850	0	NR	980	0	NR
465	180	NR	595	288	NR	725	11	NR	855	0	NR	985	0	NR
470	132	NR	600	286	NR	730	9	NR	860	0	NR	990	0	NR
475	109	NR	605	282	NR	735	8	NR	865	0	NR	995	0	NR
480	110	NR	610	311	NR	740	7	NR	870	0	NR	1000	0	NR
485	121	NR	615	334	NR	745	6	NR	875	0	NR			

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Scotopic Flux vs. Wavelength



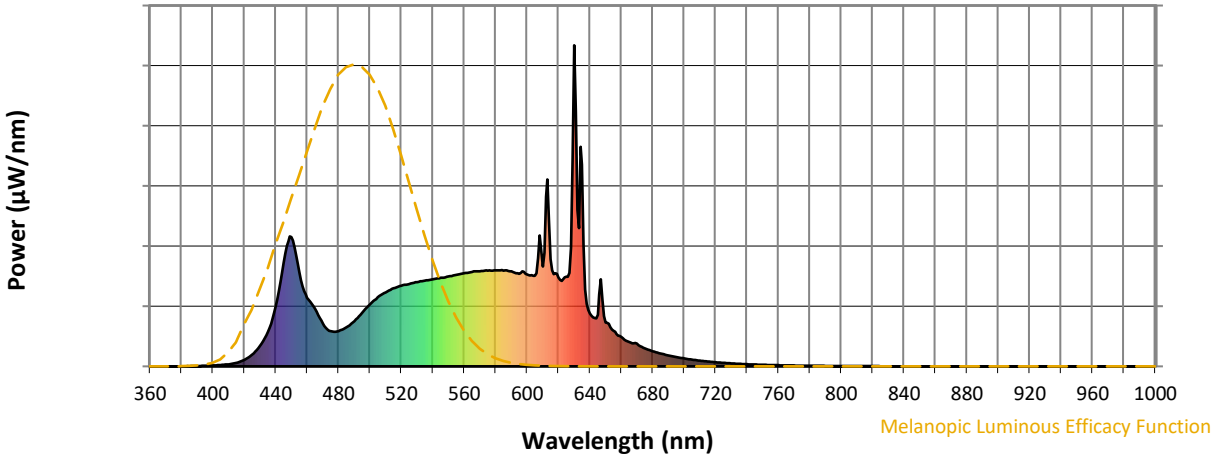
Scotopic Lumens: NR

S/P: 1.76

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	141	NR	620	276	NR	750	5	NR	880	0	NR
365	0	NR	495	167	NR	625	279	NR	755	4	NR	885	0	NR
370	0	NR	500	193	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	215	NR	635	628	NR	765	3	NR	895	0	NR
380	0	NR	510	230	NR	640	164	NR	770	3	NR	900	0	NR
385	0	NR	515	243	NR	645	161	NR	775	2	NR	905	0	NR
390	1	NR	520	251	NR	650	137	NR	780	2	NR	910	0	NR
395	2	NR	525	256	NR	655	111	NR	785	2	NR	915	0	NR
400	3	NR	530	262	NR	660	92	NR	790	1	NR	920	0	NR
405	4	NR	535	267	NR	665	76	NR	795	1	NR	925	0	NR
410	6	NR	540	271	NR	670	71	NR	800	1	NR	930	0	NR
415	11	NR	545	276	NR	675	56	NR	805	1	NR	935	0	NR
420	20	NR	550	280	NR	680	47	NR	810	1	NR	940	0	NR
425	37	NR	555	285	NR	685	40	NR	815	1	NR	945	0	NR
430	63	NR	560	290	NR	690	34	NR	820	1	NR	950	0	NR
435	108	NR	565	294	NR	695	29	NR	825	1	NR	955	0	NR
440	186	NR	570	296	NR	700	25	NR	830	0	NR	960	0	NR
445	323	NR	575	298	NR	705	21	NR	835	0	NR	965	0	NR
450	403	NR	580	299	NR	710	18	NR	840	0	NR	970	0	NR
455	293	NR	585	298	NR	715	15	NR	845	0	NR	975	0	NR
460	214	NR	590	296	NR	720	13	NR	850	0	NR	980	0	NR
465	180	NR	595	288	NR	725	11	NR	855	0	NR	985	0	NR
470	132	NR	600	286	NR	730	9	NR	860	0	NR	990	0	NR
475	109	NR	605	282	NR	735	8	NR	865	0	NR	995	0	NR
480	110	NR	610	311	NR	740	7	NR	870	0	NR	1000	0	NR
485	121	NR	615	334	NR	745	6	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



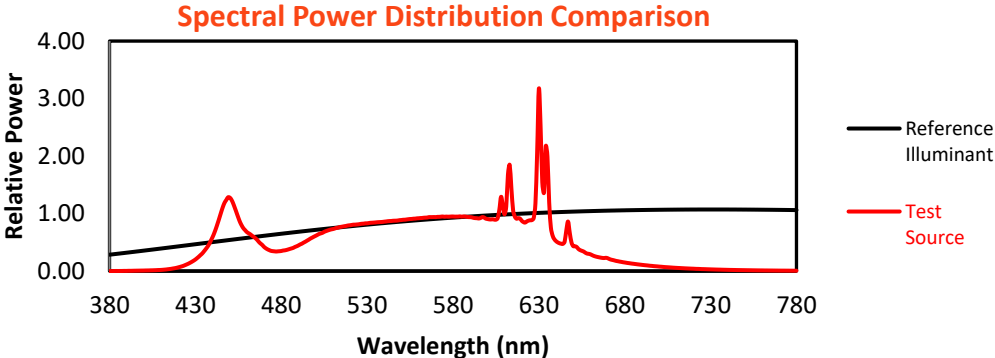
Melanopic Lumens: NR

M/P: 3.64

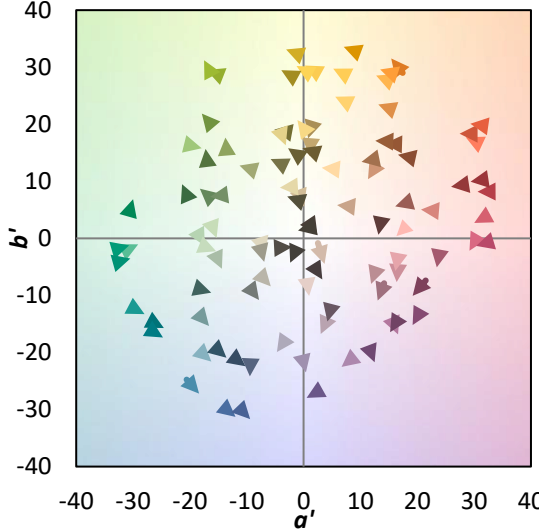
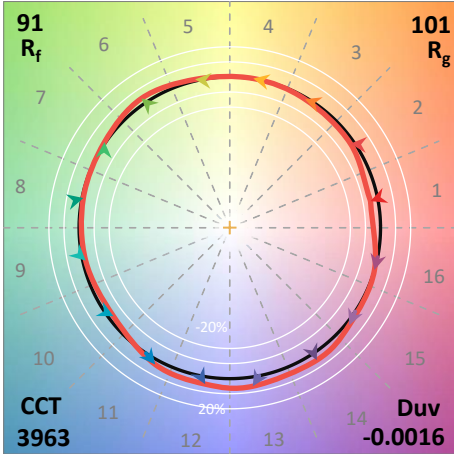
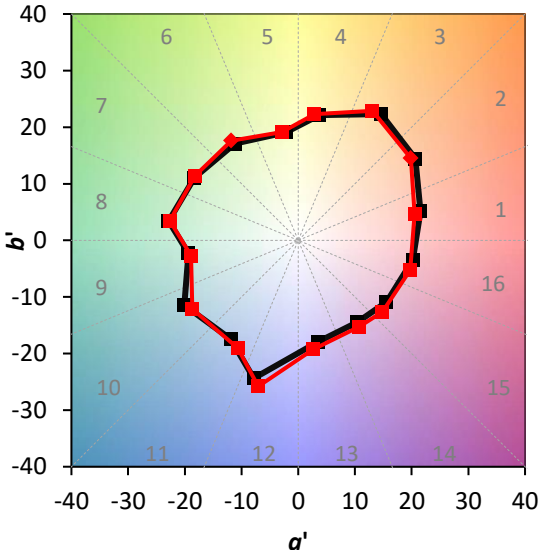
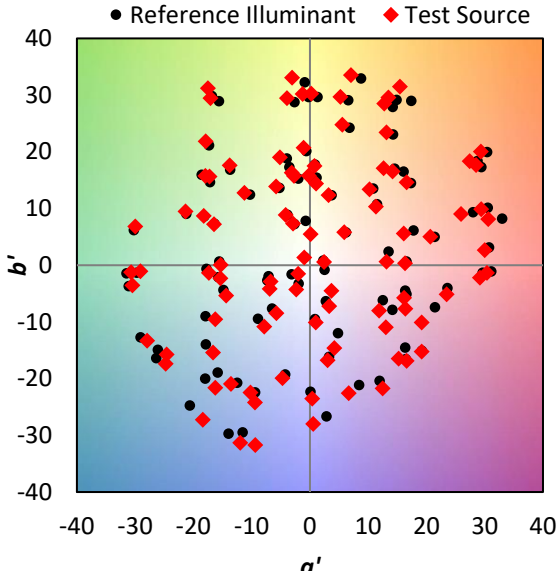
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	141	NR	620	276	NR	750	5	NR	880	0	NR
365	0	NR	495	167	NR	625	279	NR	755	4	NR	885	0	NR
370	0	NR	500	193	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	215	NR	635	628	NR	765	3	NR	895	0	NR
380	0	NR	510	230	NR	640	164	NR	770	3	NR	900	0	NR
385	0	NR	515	243	NR	645	161	NR	775	2	NR	905	0	NR
390	1	NR	520	251	NR	650	137	NR	780	2	NR	910	0	NR
395	2	NR	525	256	NR	655	111	NR	785	2	NR	915	0	NR
400	3	NR	530	262	NR	660	92	NR	790	1	NR	920	0	NR
405	4	NR	535	267	NR	665	76	NR	795	1	NR	925	0	NR
410	6	NR	540	271	NR	670	71	NR	800	1	NR	930	0	NR
415	11	NR	545	276	NR	675	56	NR	805	1	NR	935	0	NR
420	20	NR	550	280	NR	680	47	NR	810	1	NR	940	0	NR
425	37	NR	555	285	NR	685	40	NR	815	1	NR	945	0	NR
430	63	NR	560	290	NR	690	34	NR	820	1	NR	950	0	NR
435	108	NR	565	294	NR	695	29	NR	825	1	NR	955	0	NR
440	186	NR	570	296	NR	700	25	NR	830	0	NR	960	0	NR
445	323	NR	575	298	NR	705	21	NR	835	0	NR	965	0	NR
450	403	NR	580	299	NR	710	18	NR	840	0	NR	970	0	NR
455	293	NR	585	298	NR	715	15	NR	845	0	NR	975	0	NR
460	214	NR	590	296	NR	720	13	NR	850	0	NR	980	0	NR
465	180	NR	595	288	NR	725	11	NR	855	0	NR	985	0	NR
470	132	NR	600	286	NR	730	9	NR	860	0	NR	990	0	NR
475	109	NR	605	282	NR	735	8	NR	865	0	NR	995	0	NR
480	110	NR	610	311	NR	740	7	NR	870	0	NR	1000	0	NR
485	121	NR	615	334	NR	745	6	NR	875	0	NR			

Summary

$R_f = 90.7$
 $R_g = 101$
 $CIE R_a = 93.4$
 $R_9 = 66.4$



Color Vector Graphics



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

CES01 = 86	CES26 = 90	CES51 = 99	CES76 = 83
CES02 = 62	CES27 = 93	CES52 = 97	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 95	CES78 = 79
CES04 = 69	CES29 = 91	CES54 = 96	CES79 = 94
CES05 = 49	CES30 = 98	CES55 = 95	CES80 = 91
CES06 = 50	CES31 = 92	CES56 = 95	CES81 = 80
CES07 = 42	CES32 = 84	CES57 = 94	CES82 = 96
CES08 = 41	CES33 = 95	CES58 = 95	CES83 = 95
CES09 = 29	CES34 = 90	CES59 = 98	CES84 = 93
CES10 = 74	CES35 = 94	CES60 = 93	CES85 = 82
CES11 = 57	CES36 = 84	CES61 = 93	CES86 = 84
CES12 = 63	CES37 = 92	CES62 = 90	CES87 = 90
CES13 = 43	CES38 = 93	CES63 = 92	CES88 = 97
CES14 = 74	CES39 = 98	CES64 = 91	CES89 = 84
CES15 = 71	CES40 = 96	CES65 = 88	CES90 = 99
CES16 = 47	CES41 = 98	CES66 = 88	CES91 = 74
CES17 = 49	CES42 = 89	CES67 = 87	CES92 = 78
CES18 = 56	CES43 = 89	CES68 = 87	CES93 = 87
CES19 = 71	CES44 = 99	CES69 = 88	CES94 = 75
CES20 = 66	CES45 = 93	CES70 = 84	CES95 = 83
CES21 = 85	CES46 = 95	CES71 = 80	CES96 = 91
CES22 = 78	CES47 = 92	CES72 = 93	CES97 = 93
CES23 = 91	CES48 = 96	CES73 = 78	CES98 = 93
CES24 = 90	CES49 = 93	CES74 = 92	CES99 = 94
CES25 = 71	CES50 = 99	CES75 = 81	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)