

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: P1444376

Luminaire Tested: EHBR1-18-UNV-TA-L840-UPL40

Issue Date: 5/1/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1444376  
REPORT IS A COMBINATION OF REPORTS P1444355 AND P1431635  
Test Lab: INNOVATION CENTER  
Issue Date: 5/1/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: EHBR1-18-UNV-TA-L840-UPL40  
Description: Elevate Round Highbay at, 18000 lumens, 4000K 80CRI LEDs with TA lens  
Light Source: -  
Ballast/Driver: -

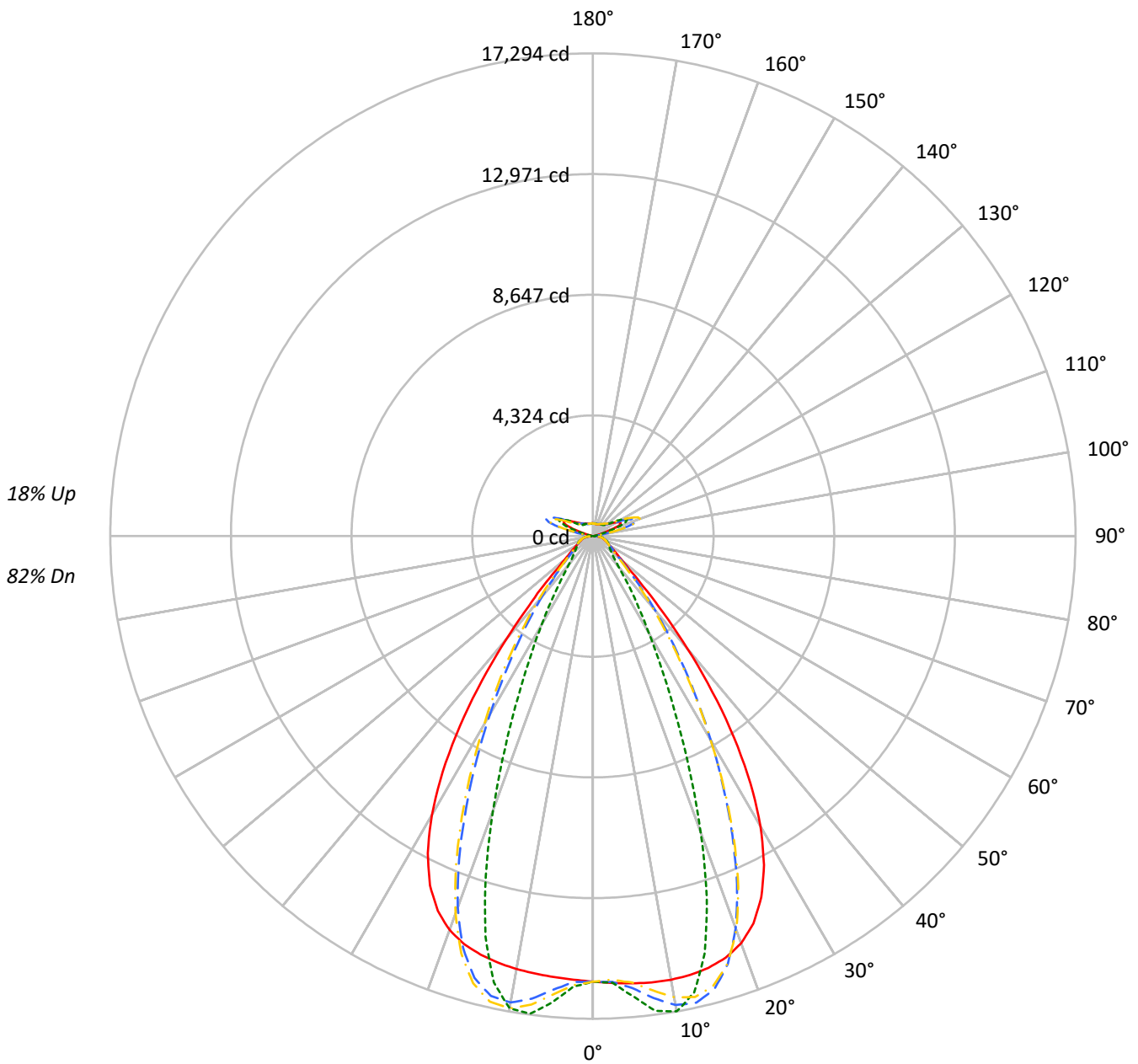
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22395.8 lumens  
Efficiency: N/A  
Efficacy: 178.7 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): 125.3  
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: P1444376  
CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL40

### Luminous Intensity Polar Plot



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



TEST NUMBER: P1444376  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL40

**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	101	101	101	93	93	93	86	86	86	86	86	86	82
1	107	104	101	98	103	100	97	95	93	90	88	86	84	83	80	78	77	77	77	77	74
2	101	94	90	85	96	91	87	83	85	81	78	79	76	74	74	72	70	70	70	70	67
3	94	86	80	76	90	84	78	74	78	74	70	73	70	67	69	66	64	64	64	64	61
4	88	79	73	68	85	77	71	66	72	68	64	68	64	61	64	61	58	58	58	58	56
5	83	73	66	61	80	71	65	60	67	62	58	64	59	56	60	57	54	54	54	54	52
6	78	68	61	56	75	66	60	55	63	57	53	59	55	51	56	53	50	50	50	50	48
7	74	63	56	51	71	61	55	51	58	53	49	56	51	48	53	49	46	46	46	46	44
8	69	59	52	47	67	57	51	47	55	49	46	52	48	44	50	46	43	43	43	43	41
9	66	55	48	44	64	54	48	43	51	46	42	49	45	41	47	43	40	40	40	40	39
10	62	52	45	41	60	50	45	40	48	43	40	46	42	39	45	41	38	38	38	38	36

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

	0°	90°	180°	270°
0°	74966	74966	74966	74966
5°	75329	77525	74275	78541
10°	75958	81396	74136	80858
15°	76330	73785	74007	70814
20°	75542	54967	73069	50858
25°	71503	34764	69140	31542
30°	62463	20890	60044	19092
35°	48072	13109	45307	11612
40°	30410	8223	27822	7727
45°	15673	6406	15414	6301
50°	9189	5698	8907	5609
55°	7040	5391	6780	5342
60°	5957	5507	5703	5435
65°	5595	5751	5380	5555
70°	5467	6022	5195	5795
75°	5844	6387	5529	6104
80°	6047	7071	5484	6455
85°	5694	6823	4603	5842

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 25°  
 Vertical Angle: 45°  
 Luminance: 23986 cd/sqm



TEST NUMBER: P1444376  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL40

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1573.2	7.0
10°-20°	4425.7	19.8
20°-30°	5040.5	22.5
30°-40°	3622.9	16.2
40°-50°	1670.9	7.5
50°-60°	799.6	3.6
60°-70°	583.4	2.6
70°-80°	443.2	2.0
80°-90°	208.5	0.9
90°-100°	109.5	0.5
100°-110°	687.0	3.1
110°-120°	1270.2	5.7
120°-130°	762.2	3.4
130°-140°	470.5	2.1
140°-150°	333.5	1.5
150°-160°	222.4	1.0
160°-170°	129.2	0.6
170°-180°	43.2	0.2
0°-30°	11039.5	49.3
0°-40°	14662.3	65.5
0°-60°	17132.8	76.5
0°-90°	18368.0	82.0
90°-120°	2066.8	9.2
90°-150°	3633.0	16.2
90°-180°	4028.0	18.0
0°-180°	22395.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	15964	15964	15964	15964	15964	
5°	16084	16553	15859	16770	16084	1537
15°	16014	15480	15526	14856	16014	4512
25°	14279	6942	13807	6299	14279	6473
35°	8823	2406	8316	2131	8823	5415
45°	2536	1036	2494	1019	2536	2157
55°	951	728	916	722	951	878
65°	584	600	562	580	584	583
75°	412	450	390	430	412	428
85°	196	234	158	201	196	184
90°	72	87	35	38	72	42
95°	51	57	51	57	51	49
105°	242	317	159	317	242	323
115°	1102	1349	1154	1349	1102	1016
125°	807	868	917	868	807	736
135°	606	557	655	558	606	474
145°	515	516	550	519	515	326
155°	463	474	497	475	463	216
165°	446	451	464	452	446	127
175°	448	454	457	454	448	43
180°	453	453	453	453	453	



TEST NUMBER: P1444376  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5
2.5°	16024.5	16023.2	16023.0	16021.9	16021.6	16021.6	16021.0	16019.7	16018.9	16017.1	16015.0
5°	16084.0	16083.3	16083.7	16083.8	16082.7	16080.2	16076.3	16071.5	16065.5	16059.7	16054.7
7.5°	16130.0	16131.1	16132.5	16132.2	16128.7	16122.8	16114.8	16110.4	16113.0	16121.7	16141.6
10°	16138.3	16145.2	16147.8	16147.0	16140.1	16135.0	16137.0	16153.9	16187.6	16232.5	16293.9
12.5°	16105.7	16114.0	16113.7	16111.0	16104.2	16111.1	16135.6	16185.9	16258.1	16346.7	16450.5
15°	16013.7	16024.6	16021.6	16018.0	16013.4	16036.0	16085.0	16172.4	16283.8	16408.8	16536.6
17.5°	15835.3	15848.6	15842.1	15838.1	15834.2	15876.5	15960.6	16088.6	16229.0	16370.3	16491.4
20°	15526.0	15534.8	15519.5	15512.4	15518.4	15601.3	15725.1	15888.5	16036.5	16170.1	16253.0
22.5°	15021.0	15032.0	15003.4	15000.1	15035.3	15162.4	15319.1	15502.0	15641.0	15746.9	15778.7
25°	14279.1	14289.9	14256.0	14276.2	14336.2	14509.3	14696.0	14891.5	15010.1	15088.6	15066.9
27.5°	13277.7	13287.5	13255.3	13296.8	13391.6	13619.2	13838.7	14050.8	14156.6	14211.6	14141.9
30°	12014.8	12035.2	11997.1	12054.9	12199.7	12495.2	12746.7	12984.5	13090.0	13131.8	13023.5
32.5°	10514.8	10543.8	10501.9	10587.8	10789.8	11144.7	11430.6	11696.3	11812.9	11860.7	11738.2
35°	8822.9	8864.6	8816.5	8945.6	9194.7	9589.8	9906.4	10203.1	10341.1	10408.8	10285.5
37.5°	7030.5	7070.3	7044.2	7216.5	7490.0	7899.6	8222.6	8542.7	8698.7	8800.3	8703.0
40°	5270.8	5307.1	5326.8	5523.8	5781.1	6167.1	6477.5	6794.1	6968.6	7096.1	7036.1
42.5°	3720.2	3756.8	3823.7	4013.8	4228.3	4547.9	4813.7	5098.1	5264.8	5400.8	5377.6
45°	2535.9	2578.5	2662.3	2817.9	2973.1	3202.5	3397.6	3618.8	3754.9	3879.5	3880.9
47.5°	1777.1	1806.9	1881.9	1988.1	2089.3	2376.3	2388.1	2496.8	2588.3	2681.4	2693.5
50°	1369.5	1387.6	1427.3	1486.6	1543.9	1618.3	1686.5	1765.3	1821.6	1872.7	1884.9
52.5°	1125.6	1137.1	1157.3	1189.4	1222.7	1263.2	1299.7	1343.0	1373.6	1400.9	1406.6
55°	951.4	960.9	990.9	997.1	1035.1	1042.4	1058.6	1085.0	1102.8	1119.2	1123.2
57.5°	819.9	826.8	833.1	846.8	858.6	875.5	889.2	908.1	919.4	931.2	932.2
60°	716.1	721.0	725.7	735.1	743.1	754.9	764.4	777.2	785.3	794.2	795.2
62.5°	638.9	642.4	645.5	651.7	657.5	666.5	674.0	684.7	692.3	699.1	700.6
65°	584.0	586.6	588.5	593.3	598.2	606.0	612.8	621.5	627.1	632.3	633.5
67.5°	535.4	537.9	539.8	544.2	547.6	553.4	558.0	564.5	568.7	572.9	573.0
70°	479.7	481.9	483.5	487.5	490.3	495.2	499.0	504.8	509.1	513.8	515.0
72.5°	441.0	442.4	444.5	448.2	452.0	457.3	462.2	468.4	473.5	478.4	480.5
75°	411.7	413.3	414.7	417.8	420.5	425.0	428.6	434.3	438.7	444.0	446.5
77.5°	369.4	371.2	372.3	375.5	377.8	382.1	384.8	389.9	393.5	398.3	400.6
80°	318.1	319.9	320.8	323.7	325.5	329.4	332.2	337.0	340.0	344.8	347.6
82.5°	261.4	263.0	263.6	266.4	267.4	270.6	272.5	277.6	281.3	287.5	291.7
85°	195.7	196.4	197.3	196.6	200.6	200.8	205.3	206.1	212.0	213.6	220.4
87.5°	119.7	121.5	122.4	125.1	126.2	129.0	129.8	132.7	134.3	137.6	139.1
90°	72.5	76.8	79.2	83.9	86.3	90.6	92.8	97.6	100.0	104.8	108.9
92.5°	43.9	47.0	50.1	53.6	56.7	60.1	63.5	66.8	70.0	73.5	79.7
95°	50.6	54.2	57.8	61.4	65.1	68.6	72.2	75.9	79.5	83.1	93.6
97.5°	63.9	67.0	70.1	73.3	76.4	79.6	82.7	85.9	89.0	92.1	104.7
100°	83.9	86.6	89.3	91.9	94.5	97.3	99.9	102.5	105.2	107.9	131.2
102.5°	141.2	150.5	160.0	169.4	178.8	188.2	197.7	206.9	216.4	225.8	275.5
105°	242.0	267.5	293.2	318.6	344.3	369.9	395.5	421.0	446.6	472.1	552.8
107.5°	416.8	464.0	511.4	558.8	606.1	653.4	700.8	748.1	795.4	842.6	924.5
110°	774.7	812.7	850.9	889.0	927.2	965.3	1003.3	1041.4	1079.5	1117.6	1177.4



TEST NUMBER: P1444376  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	1045.8	1063.1	1080.4	1097.8	1115.0	1132.4	1149.7	1166.9	1184.3	1201.4	1244.3
115°	1101.9	1108.1	1114.3	1120.4	1126.6	1132.8	1139.0	1145.0	1151.3	1157.2	1186.4
117.5°	1067.1	1066.2	1065.4	1064.5	1063.5	1062.7	1061.8	1060.8	1059.8	1058.8	1075.3
120°	991.1	986.1	981.2	976.0	971.0	965.9	960.9	955.8	950.7	945.4	952.7
122.5°	896.0	889.8	884.0	877.8	871.8	865.6	859.6	853.3	847.3	841.1	844.1
125°	807.3	801.2	795.3	789.1	783.0	776.8	770.7	764.5	758.3	752.1	753.9
127.5°	729.8	725.8	721.5	717.3	713.2	708.7	704.5	700.2	695.9	691.5	692.4
130°	678.6	674.8	671.2	667.4	663.7	659.8	656.0	652.0	648.3	644.2	645.6
132.5°	635.9	633.5	631.0	628.4	625.9	623.1	620.5	617.6	615.1	612.3	613.7
135°	606.4	604.1	602.0	599.5	597.2	594.7	592.3	589.7	587.1	584.6	586.3
137.5°	581.0	579.1	577.0	574.9	572.8	570.4	568.3	565.9	563.7	561.3	563.0
140°	557.7	556.0	554.1	552.2	550.4	548.4	546.4	544.4	542.2	540.1	542.1
142.5°	532.0	530.6	529.4	528.0	526.7	525.1	523.6	522.0	520.5	518.8	521.4
145°	514.7	513.7	512.7	511.5	510.3	509.0	507.8	506.3	505.2	503.9	506.5
147.5°	499.5	498.6	497.8	497.0	496.2	495.1	494.1	493.1	492.2	491.1	493.6
150°	486.0	485.2	484.5	483.8	482.8	481.9	480.9	480.0	479.1	478.0	480.5
152.5°	472.3	471.5	470.8	470.1	469.2	468.2	467.4	466.5	465.6	464.5	466.8
155°	463.2	462.4	461.6	460.9	460.1	459.2	458.3	457.5	456.6	455.6	457.5
157.5°	456.6	456.1	455.5	454.9	454.4	453.7	453.0	452.4	451.8	451.2	452.6
160°	452.2	451.7	451.1	450.5	450.0	449.3	448.8	448.2	447.6	447.0	448.1
162.5°	448.1	447.5	446.9	446.4	445.8	445.2	444.6	444.1	443.5	442.9	444.3
165°	445.9	445.7	445.4	445.1	444.8	444.5	444.2	443.9	443.6	443.2	444.2
167.5°	448.1	447.6	447.1	446.6	446.1	445.6	445.0	444.5	444.1	443.5	444.5
170°	447.7	447.4	447.2	447.0	446.8	446.6	446.4	446.1	445.9	445.7	446.5
172.5°	449.0	448.7	448.6	448.5	448.3	448.1	448.0	447.8	447.7	447.4	448.4
175°	447.9	447.7	447.6	447.5	447.4	447.3	447.2	447.1	447.1	446.9	447.5
177.5°	450.6	450.5	450.5	450.5	450.5	450.4	450.4	450.3	450.2	450.2	450.6
180°	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2



TEST NUMBER: P1444376  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5
2.5°	16013.4	16011.5	16008.9	16005.5	16002.5	15999.2	15991.2	15988.8	15991.5	15993.3	15997.0
5°	16051.5	16052.6	16053.1	16060.4	16066.6	16082.2	16205.0	16253.9	16291.6	16315.6	16352.0
7.5°	16166.2	16203.1	16239.7	16288.8	16331.1	16388.3	16603.2	16694.7	16759.7	16806.4	16863.9
10°	16360.6	16441.3	16516.7	16605.3	16681.4	16768.5	16968.6	17057.6	17113.9	17154.8	17193.1
12.5°	16556.5	16668.2	16769.2	16867.8	16950.1	17025.7	17096.0	17127.2	17129.8	17131.1	17110.8
15°	16658.5	16765.3	16854.2	16919.4	16967.8	16989.2	16868.2	16804.6	16724.3	16658.2	16549.3
17.5°	16594.1	16658.2	16696.6	16692.8	16672.8	16605.8	16262.9	16074.2	15886.8	15718.1	15496.7
20°	16308.0	16303.0	16269.6	16174.9	16060.8	15883.3	15295.1	14955.9	14627.8	14339.7	13990.2
22.5°	15775.5	15691.8	15574.9	15370.7	15143.9	14833.7	13991.0	13491.8	13035.2	12631.8	12179.8
25°	15004.1	14831.8	14616.4	14292.1	13939.5	13487.3	12448.5	11827.8	11279.4	10803.9	10282.4
27.5°	14016.8	13757.2	13441.5	12992.8	12515.1	11935.8	10784.1	10099.0	9510.4	9000.6	8445.5
30°	12848.0	12510.4	12102.8	11545.8	10969.6	10312.5	9144.5	8450.6	7854.8	7330.3	6774.8
32.5°	11527.1	11131.7	10654.0	10029.0	9405.8	8730.2	7602.2	6930.5	6361.3	5856.7	5354.1
35°	10070.3	9646.2	9140.8	8503.2	7883.9	7227.1	6192.0	5586.4	5083.7	4637.8	4231.8
37.5°	8507.6	8091.2	7610.9	7009.9	6435.6	5840.4	4947.3	4439.8	4018.0	3647.8	3334.4
40°	6882.8	6518.4	6102.8	5583.3	5093.1	4597.4	3864.4	3461.5	3128.6	2846.3	2611.5
42.5°	5277.9	4995.6	4676.8	4266.3	3891.2	3513.7	2949.5	2651.0	2404.4	2201.2	2035.2
45°	3829.4	3640.4	3426.7	3141.2	2881.7	2618.5	2216.9	2007.1	1846.6	1715.5	1604.7
47.5°	2676.9	2567.3	2560.6	2296.9	2106.6	1945.6	1686.8	1554.4	1456.0	1376.6	1306.5
50°	1879.9	1826.9	1761.0	1666.9	1578.6	1487.6	1330.0	1249.8	1192.2	1144.1	1099.8
52.5°	1405.3	1377.9	1342.8	1292.8	1245.0	1193.7	1094.1	1043.0	1024.9	980.1	945.0
55°	1122.5	1106.7	1086.8	1057.4	1028.3	1016.7	931.2	893.3	869.4	851.7	832.7
57.5°	932.4	920.6	908.8	888.9	872.1	851.7	806.3	786.8	772.6	762.2	749.1
60°	795.3	788.3	781.7	770.0	760.9	749.9	721.0	710.1	702.7	696.4	688.0
62.5°	702.0	698.3	694.9	688.7	684.1	678.1	658.4	653.1	649.4	646.3	641.2
65°	634.6	631.9	630.1	626.0	623.7	620.1	603.2	599.6	597.3	596.2	593.3
67.5°	573.3	570.6	569.4	566.5	565.4	563.3	549.4	547.5	546.7	547.1	546.0
70°	516.1	515.0	515.5	515.1	516.4	516.8	508.4	508.3	509.2	511.0	511.2
72.5°	481.8	481.8	482.4	482.7	483.9	484.5	477.6	477.3	477.7	479.0	479.0
75°	449.1	449.6	451.4	452.0	453.4	453.7	444.6	443.5	443.6	444.8	444.4
77.5°	403.9	405.8	409.3	411.0	413.9	414.4	404.0	402.8	402.8	404.1	403.0
80°	352.6	356.4	361.7	365.5	369.8	371.6	360.9	358.4	356.1	355.7	353.6
82.5°	298.2	302.7	309.2	312.5	317.1	318.2	300.4	297.0	295.0	295.2	293.3
85°	227.6	231.1	236.9	238.8	241.7	241.5	221.1	212.4	214.7	211.1	213.9
87.5°	142.8	144.8	148.4	148.9	150.2	149.9	129.6	125.5	124.3	124.4	122.9
90°	115.2	119.7	125.9	129.0	134.1	136.8	123.3	124.4	120.4	118.6	113.9
92.5°	86.2	92.5	99.0	105.3	111.8	118.3	122.7	128.4	121.9	115.0	108.5
95°	104.3	114.9	125.5	136.2	146.8	157.4	168.1	178.7	168.8	158.9	149.0
97.5°	117.2	129.9	142.3	154.9	167.4	180.0	192.5	205.1	194.5	183.7	173.1
100°	154.7	178.1	201.4	224.9	248.3	271.7	295.2	318.6	298.1	277.5	256.9
102.5°	325.2	375.0	424.7	474.4	524.1	573.9	623.8	673.5	626.3	579.1	531.8
105°	633.5	714.1	794.8	875.2	955.8	1036.5	1117.3	1197.9	1122.5	1047.0	971.6
107.5°	1006.2	1088.1	1169.8	1251.6	1333.4	1415.2	1497.3	1579.1	1505.5	1431.9	1358.4
110°	1237.2	1297.0	1356.7	1416.5	1476.3	1536.0	1596.1	1656.0	1611.9	1567.7	1523.7



TEST NUMBER: P1444376  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	1287.1	1330.1	1372.8	1415.6	1458.3	1501.2	1544.6	1587.5	1565.5	1543.5	1521.6
115°	1215.2	1244.4	1273.4	1302.3	1331.4	1360.3	1389.9	1419.1	1412.2	1405.4	1398.7
117.5°	1091.6	1108.1	1124.5	1140.9	1157.1	1173.7	1190.8	1207.4	1208.9	1210.5	1212.2
120°	959.9	967.1	974.2	981.4	988.4	995.7	1003.8	1011.1	1017.6	1023.8	1030.3
122.5°	847.2	850.2	853.1	856.2	859.1	862.1	866.2	869.6	874.1	878.8	883.5
125°	755.6	757.5	759.2	761.0	762.5	764.3	767.4	769.4	770.2	771.0	771.7
127.5°	693.1	693.9	694.6	695.4	696.0	696.8	699.0	700.0	698.1	696.1	694.2
130°	646.8	647.9	649.1	650.3	651.5	652.7	655.4	657.1	653.1	649.2	645.3
132.5°	615.1	616.5	617.8	619.4	620.8	622.3	625.3	627.1	622.5	617.9	613.3
135°	587.8	589.7	591.2	592.9	594.5	596.3	599.6	601.8	597.5	593.1	588.7
137.5°	564.5	566.4	567.9	569.7	571.3	573.0	576.6	578.8	575.4	571.9	568.7
140°	544.0	545.9	547.9	549.7	551.6	553.7	557.7	560.1	557.5	554.9	552.2
142.5°	523.6	526.1	528.5	530.9	533.5	536.0	540.6	543.5	541.8	539.8	538.1
145°	509.0	511.9	514.5	517.4	520.1	523.0	528.1	531.3	530.3	529.2	528.2
147.5°	495.8	498.4	501.0	503.4	506.0	508.7	513.8	517.0	516.5	515.9	515.4
150°	482.9	485.4	488.0	490.5	493.2	495.8	501.4	504.7	504.3	503.7	503.2
152.5°	469.1	471.3	473.6	476.0	478.4	480.8	486.9	490.2	489.8	489.2	488.9
155°	459.2	461.1	462.8	464.8	466.7	468.8	474.8	477.8	477.6	477.4	477.2
157.5°	453.9	455.3	456.6	458.1	459.5	460.9	466.9	469.6	469.3	469.1	469.0
160°	449.3	450.4	451.4	452.7	453.8	455.1	461.0	463.3	463.2	463.0	462.8
162.5°	445.6	447.1	448.4	449.8	451.2	452.6	458.8	461.5	461.1	460.6	460.3
165°	445.1	446.0	446.9	447.9	448.8	449.8	455.3	457.4	457.3	457.0	456.9
167.5°	445.4	446.4	447.3	448.3	449.3	450.4	455.6	457.6	457.5	457.3	457.2
170°	447.2	448.0	448.7	449.6	450.4	451.3	455.6	457.3	457.0	456.5	456.2
172.5°	449.1	450.0	450.8	451.7	452.5	453.4	457.2	458.8	458.6	458.2	457.8
175°	448.1	448.7	449.4	450.2	450.8	451.4	454.4	455.6	455.5	455.4	455.3
177.5°	451.1	451.5	452.0	452.5	453.0	453.4	455.3	456.1	456.0	456.0	455.9
180°	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2



TEST NUMBER: P1444376  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5
2.5°	15997.8	16003.4	16004.3	16010.8	16010.3	16018.1	16016.9	16023.2	16019.5	16024.7	16020.3
5°	16373.5	16407.7	16425.4	16458.7	16469.2	16499.0	16507.3	16534.5	16535.6	16557.2	16552.2
7.5°	16904.8	16954.9	16984.8	17025.9	17046.8	17081.0	17096.1	17121.4	17129.6	17149.7	17151.2
10°	17222.0	17246.3	17263.4	17274.9	17285.4	17290.2	17296.0	17294.5	17296.0	17293.8	17298.7
12.5°	17097.2	17061.6	17038.1	16993.5	16967.5	16918.3	16894.1	16846.7	16829.5	16788.8	16782.9
15°	16465.3	16341.2	16253.5	16125.9	16045.7	15920.3	15846.8	15733.6	15682.0	15592.0	15568.4
17.5°	15313.5	15083.1	14904.8	14676.1	14517.4	14303.6	14169.2	13992.2	13895.3	13752.6	13703.2
20°	13698.8	13357.8	13090.4	12771.8	12543.8	12259.8	12077.8	11848.5	11715.3	11540.0	11469.0
22.5°	11803.0	11378.6	11044.5	10668.2	10393.1	10076.5	9858.5	9610.4	9465.5	9275.1	9190.8
25°	9849.1	9381.0	9009.7	8613.1	8322.4	8005.1	7787.2	7543.3	7393.3	7212.6	7128.9
27.5°	7980.3	7506.6	7147.7	6779.0	6512.3	6225.9	6029.3	5816.4	5683.4	5529.0	5450.2
30°	6331.2	5913.2	5607.8	5301.9	5080.1	4847.5	4684.1	4507.7	4391.0	4258.8	4183.7
32.5°	4987.6	4664.9	4425.8	4183.0	4001.5	3807.2	3665.9	3510.2	3404.9	3286.9	3218.9
35°	3950.0	3699.4	3508.7	3308.8	3152.8	2987.3	2862.8	2728.5	2634.0	2532.4	2473.7
37.5°	3120.9	2921.7	2764.7	2598.7	2470.5	2333.4	2287.2	2133.0	2035.1	1954.0	1897.9
40°	2449.3	2290.8	2161.0	2034.0	1929.5	1825.5	1742.0	1659.7	1596.4	1538.4	1498.4
42.5°	1912.8	1797.9	1703.1	1610.1	1533.9	1458.1	1397.6	1340.9	1298.3	1260.3	1234.5
45°	1520.6	1441.6	1375.7	1310.2	1256.4	1205.8	1165.1	1128.9	1101.3	1078.6	1062.5
47.5°	1249.1	1195.1	1148.5	1104.4	1067.9	1034.7	1007.5	998.6	969.0	949.1	941.5
50°	1061.6	1029.0	993.7	961.1	936.7	912.4	894.7	877.4	866.3	857.1	854.3
52.5°	921.6	896.7	877.0	856.3	840.3	823.0	810.8	799.3	793.2	788.4	787.8
55°	817.6	800.1	787.1	773.3	763.6	753.5	747.2	741.1	738.4	736.0	736.2
57.5°	738.8	727.2	718.7	709.7	704.5	699.6	698.0	696.5	697.3	697.7	699.0
60°	681.5	673.9	668.6	663.4	661.2	659.7	660.9	662.2	665.0	667.3	669.3
62.5°	637.5	633.1	630.5	627.8	627.5	627.7	630.0	632.3	635.9	638.4	640.4
65°	592.2	589.8	589.0	587.1	588.0	588.5	591.4	593.2	596.6	598.7	601.2
67.5°	546.5	545.9	546.5	546.5	548.0	549.4	552.1	554.1	557.1	559.0	561.0
70°	512.7	513.0	514.2	514.4	516.1	517.1	519.4	520.7	523.4	525.0	527.4
72.5°	479.9	479.4	479.7	478.9	479.5	479.2	480.5	481.2	483.4	484.6	487.6
75°	444.9	443.5	443.1	441.4	441.5	440.4	440.9	440.8	442.3	443.0	445.1
77.5°	402.7	400.2	399.0	396.3	396.2	395.2	396.3	396.9	399.6	400.9	403.3
80°	352.1	348.2	346.5	343.4	343.9	343.8	346.3	348.3	351.5	352.0	355.2
82.5°	292.7	288.7	286.9	283.8	284.5	284.5	287.0	287.4	290.1	291.3	294.8
85°	209.6	211.1	206.8	207.1	206.3	208.0	209.6	211.6	213.9	217.7	220.7
87.5°	123.4	122.9	124.4	124.5	126.6	127.8	131.3	133.2	137.0	140.0	145.5
90°	111.3	106.7	105.1	101.8	101.3	98.1	97.9	94.8	95.0	93.2	94.1
92.5°	101.5	94.8	87.9	81.2	74.4	67.8	64.5	61.5	58.2	55.3	51.9
95°	139.1	129.2	119.3	109.4	99.5	89.6	86.0	82.3	78.7	75.1	71.5
97.5°	162.5	151.9	141.3	130.7	120.0	109.4	107.0	104.5	102.1	99.7	97.3
100°	236.3	215.7	195.2	174.6	154.1	133.5	131.6	129.7	127.7	125.8	123.8
102.5°	484.7	437.7	390.6	343.4	296.2	249.0	240.8	232.6	224.4	216.1	208.0
105°	896.1	820.7	745.2	669.9	594.5	519.0	496.5	474.0	451.5	429.0	406.6
107.5°	1284.9	1211.3	1137.8	1064.3	990.8	917.3	881.7	846.1	810.5	775.0	739.6
110°	1479.4	1435.3	1391.3	1347.2	1303.1	1259.1	1225.2	1191.4	1157.4	1123.6	1089.7



TEST NUMBER: P1444376  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	1499.7	1477.7	1455.8	1433.8	1412.0	1390.0	1373.6	1357.0	1340.7	1324.1	1307.6
115°	1391.8	1385.2	1378.3	1371.6	1365.0	1358.1	1357.0	1356.1	1354.9	1353.9	1352.9
117.5°	1213.8	1215.4	1217.0	1218.8	1220.5	1222.1	1231.1	1240.1	1249.1	1258.2	1267.3
120°	1036.6	1043.1	1049.5	1055.9	1062.4	1068.8	1080.8	1092.9	1105.1	1117.3	1129.6
122.5°	888.0	892.8	897.3	902.0	906.8	911.4	923.4	935.4	947.6	959.7	972.0
125°	772.4	773.1	773.8	774.5	775.2	776.1	786.1	796.1	806.2	816.4	826.5
127.5°	692.3	690.2	688.2	686.3	684.2	682.4	688.4	694.6	700.8	707.0	713.2
130°	641.3	637.4	633.5	629.5	625.6	621.6	624.3	627.0	629.7	632.5	635.4
132.5°	608.5	604.0	599.2	594.5	589.9	585.2	585.7	586.1	586.6	587.1	587.8
135°	584.2	580.0	575.4	571.0	566.5	562.2	561.5	560.6	560.0	559.2	558.6
137.5°	565.2	561.8	558.3	555.1	551.4	548.1	546.7	545.6	544.3	543.2	542.0
140°	549.6	547.0	544.3	541.5	538.9	536.3	535.2	534.3	533.3	532.4	531.5
142.5°	536.1	534.2	532.3	530.4	528.5	526.7	525.6	524.7	523.9	523.0	522.1
145°	527.1	525.9	524.8	523.7	522.6	521.5	520.7	520.0	519.4	518.8	518.3
147.5°	514.8	514.2	513.6	513.1	512.4	511.8	511.4	511.2	510.7	510.5	510.0
150°	502.7	502.1	501.5	501.1	500.4	499.9	499.7	499.7	499.6	499.6	499.6
152.5°	488.2	487.8	487.1	486.6	486.0	485.5	485.4	485.5	485.4	485.4	485.3
155°	476.9	476.6	476.3	476.0	475.7	475.5	475.2	474.9	474.7	474.4	474.1
157.5°	468.7	468.5	468.2	468.0	467.7	467.4	467.2	467.0	466.7	466.5	466.2
160°	462.6	462.4	462.1	461.9	461.6	461.4	460.9	460.4	459.9	459.5	459.0
162.5°	459.7	459.3	458.8	458.4	457.8	457.4	457.1	456.9	456.6	456.4	456.1
165°	456.6	456.4	456.2	455.9	455.7	455.5	455.0	454.5	453.9	453.6	453.0
167.5°	456.9	456.8	456.5	456.3	456.0	455.8	455.4	454.9	454.5	453.8	453.3
170°	455.9	455.3	455.0	454.6	454.0	453.6	453.2	452.7	452.2	451.8	451.3
172.5°	457.5	457.1	456.7	456.4	455.9	455.6	455.2	454.8	454.4	453.8	453.5
175°	455.2	455.2	455.1	454.9	454.9	454.8	454.7	454.6	454.5	454.4	454.2
177.5°	455.9	455.9	455.9	455.8	455.7	455.7	455.4	455.1	454.9	454.6	454.3
180°	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2



TEST NUMBER: P1444376  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5
2.5°	16024.9	16020.9	16022.8	16015.3	16017.1	16008.0	16007.2	15997.0	15996.0	15986.3	15982.7
5°	16567.5	16558.6	16568.7	16552.9	16556.1	16535.6	16533.9	16507.5	16498.5	16465.4	16451.1
7.5°	17163.8	17160.5	17166.6	17153.5	17153.1	17134.8	17127.3	17103.7	17089.0	17054.3	17032.2
10°	17294.5	17297.5	17292.5	17293.8	17286.7	17284.7	17277.4	17272.8	17260.9	17251.9	17238.7
12.5°	16752.0	16755.3	16734.6	16747.7	16737.3	16761.5	16759.6	16788.0	16792.5	16828.5	16842.2
15°	15498.2	15494.4	15454.7	15479.7	15466.3	15519.4	15531.3	15602.8	15641.0	15732.7	15789.1
17.5°	13604.3	13594.2	13538.3	13568.7	13553.2	13631.5	13657.8	13772.0	13843.4	13991.2	14096.6
20°	11346.7	11327.1	11261.7	11297.4	11281.4	11370.3	11407.9	11546.0	11638.0	11833.8	11973.1
22.5°	9061.0	9030.0	8966.0	8999.3	8984.2	9076.4	9125.2	9263.8	9369.2	9570.2	9732.8
25°	7008.5	6980.9	6918.9	6942.3	6936.7	7014.7	7058.1	7189.1	7292.6	7484.2	7639.3
27.5°	5345.6	5316.8	5260.8	5277.4	5271.7	5338.1	5379.1	5488.6	5577.7	5738.9	5875.2
30°	4091.2	4056.6	4009.2	4018.2	4014.4	4068.2	4106.4	4198.7	4275.0	4411.2	4528.7
32.5°	3135.9	3101.2	3057.6	3061.8	3056.1	3098.3	3129.8	3210.0	3276.5	3392.4	3494.6
35°	2399.4	2440.1	2346.9	2406.0	2344.5	2434.6	2402.2	2452.4	2509.6	2607.2	2692.4
37.5°	1844.6	1816.2	1792.3	1789.8	1789.7	1810.4	1835.2	1883.4	1933.8	2006.6	2081.7
40°	1461.7	1441.9	1426.3	1425.2	1426.3	1441.2	1459.4	1492.8	1529.7	1581.9	1637.1
42.5°	1212.3	1199.2	1189.8	1189.2	1192.1	1202.6	1215.3	1235.1	1259.1	1293.0	1330.9
45°	1049.4	1042.0	1036.7	1036.4	1037.9	1043.3	1050.6	1063.0	1078.2	1099.3	1123.2
47.5°	934.9	933.1	929.9	930.0	928.5	930.7	931.6	938.5	946.6	962.5	993.9
50°	851.6	851.6	849.4	849.2	847.1	847.0	845.2	848.0	851.7	861.6	871.6
52.5°	785.7	785.5	783.1	782.6	780.4	780.3	778.7	779.8	780.3	785.3	791.3
55°	734.2	732.7	729.5	728.5	727.7	728.9	728.4	728.4	727.8	729.8	731.6
57.5°	697.3	695.3	692.3	691.5	691.2	692.8	692.8	692.3	689.4	687.6	684.9
60°	668.2	666.1	662.8	662.0	662.5	664.6	664.5	662.7	658.6	654.9	650.8
62.5°	639.4	638.6	637.0	636.7	636.3	636.7	635.2	633.2	629.2	625.4	620.8
65°	601.0	601.4	600.1	600.3	598.7	598.5	596.3	594.5	590.4	586.8	582.2
67.5°	560.9	561.2	560.2	560.2	559.5	559.6	558.2	556.5	553.0	550.1	546.6
70°	528.0	528.8	528.2	528.4	527.4	527.1	525.0	523.3	519.7	517.3	514.1
72.5°	488.5	490.3	490.2	490.7	489.3	488.5	485.9	483.9	480.7	478.8	476.1
75°	445.9	448.2	448.9	449.9	447.9	446.8	444.1	442.3	439.7	438.6	436.9
77.5°	404.3	406.8	409.3	411.6	408.2	405.4	401.9	399.3	395.4	394.0	391.3
80°	357.6	362.1	367.5	372.0	366.2	360.2	354.5	350.2	345.2	343.2	339.8
82.5°	296.7	301.3	304.4	307.3	303.2	298.9	293.3	289.6	284.1	282.1	278.3
85°	225.4	231.2	233.0	234.5	231.9	229.6	224.4	217.3	213.9	208.6	205.7
87.5°	148.2	151.7	152.4	152.9	151.2	150.1	146.8	143.5	137.6	133.4	128.1
90°	91.7	91.7	88.1	86.7	86.8	89.0	87.8	88.7	86.0	86.3	84.0
92.5°	48.8	45.5	42.5	39.3	42.7	45.6	48.9	51.9	55.3	58.2	61.5
95°	67.9	64.3	60.6	57.0	59.9	62.8	65.7	68.6	71.4	74.4	77.3
97.5°	94.8	92.4	90.0	87.6	89.3	91.0	92.6	94.3	96.1	97.8	99.4
100°	121.9	120.0	118.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1
102.5°	199.7	191.5	183.2	175.1	180.6	186.2	191.7	197.3	202.9	208.5	214.1
105°	384.1	361.6	339.2	316.7	338.4	360.2	381.9	403.7	425.4	447.3	469.0
107.5°	704.1	668.6	633.0	597.5	637.2	676.7	716.4	756.0	795.6	835.3	875.0
110°	1055.9	1022.1	988.3	954.5	996.6	1038.6	1080.6	1122.6	1164.7	1206.7	1248.9



TEST NUMBER: P1444376  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	1291.1	1274.8	1258.3	1241.9	1268.9	1296.0	1323.0	1350.1	1377.3	1404.4	1431.5
115°	1351.9	1350.8	1349.9	1348.9	1361.7	1374.6	1387.4	1400.3	1413.0	1425.8	1438.8
117.5°	1276.4	1285.5	1294.6	1303.8	1308.0	1312.1	1316.2	1320.4	1324.6	1328.8	1333.0
120°	1141.8	1154.0	1166.3	1178.6	1176.9	1175.2	1173.6	1171.9	1170.3	1168.7	1167.3
122.5°	984.1	996.3	1008.6	1020.9	1017.3	1013.6	1010.0	1006.5	1003.0	999.5	996.1
125°	836.9	847.1	857.4	867.7	864.1	860.5	856.9	853.4	849.9	846.5	843.1
127.5°	719.6	726.1	732.3	738.8	737.1	735.4	733.9	732.3	730.7	729.3	728.0
130°	638.3	641.2	644.2	647.3	647.8	648.3	648.8	649.4	650.2	650.9	651.6
132.5°	588.5	589.3	590.1	590.9	592.8	594.7	596.9	598.9	601.2	603.3	605.7
135°	558.1	557.7	557.2	556.9	559.8	562.6	565.5	568.6	571.8	575.0	578.3
137.5°	541.0	540.0	539.2	538.3	541.2	544.1	547.1	550.1	553.1	556.4	559.8
140°	530.7	530.0	529.4	528.6	531.5	534.5	537.4	540.4	543.6	546.8	550.0
142.5°	521.4	520.5	519.9	519.3	521.9	524.6	527.3	530.0	533.0	535.8	538.8
145°	517.7	517.2	516.8	516.4	518.3	520.2	522.3	524.3	526.4	528.4	530.8
147.5°	509.8	509.5	509.4	509.2	510.7	512.2	513.6	515.0	516.7	518.2	519.9
150°	499.7	499.6	499.7	499.8	500.7	501.5	502.6	503.4	504.6	505.5	506.8
152.5°	485.5	485.4	485.6	485.6	486.5	487.4	488.5	489.3	490.4	491.3	492.4
155°	474.0	473.8	473.7	473.5	473.9	474.3	474.7	475.0	475.6	476.0	476.6
157.5°	466.1	465.9	465.7	465.5	465.6	465.7	465.9	466.0	466.2	466.4	466.6
160°	458.6	458.1	457.7	457.3	457.7	457.9	458.3	458.5	459.0	459.4	459.7
162.5°	455.9	455.7	455.5	455.3	455.2	454.9	454.8	454.6	454.5	454.4	454.3
165°	452.5	452.1	451.6	451.1	451.2	451.3	451.4	451.4	451.6	451.6	451.7
167.5°	452.9	452.4	452.0	451.5	451.2	450.7	450.4	450.0	449.6	449.3	449.1
170°	450.9	450.5	450.1	449.7	449.6	449.4	449.3	449.2	449.1	449.0	449.0
172.5°	453.1	452.7	452.3	452.0	451.9	451.7	451.7	451.6	451.5	451.5	451.4
175°	454.2	454.0	453.9	453.8	453.5	453.2	453.0	452.8	452.5	452.2	452.0
177.5°	453.9	453.7	453.4	453.2	453.1	453.1	453.1	453.1	453.1	453.0	453.0
180°	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2



TEST NUMBER: P1444376  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5
2.5°	15972.4	15968.1	15957.0	15951.7	15941.4	15936.2	15928.3	15923.1	15916.7	15911.9	15909.4
5°	16414.9	16394.4	16353.6	16328.3	16284.2	16255.0	16211.1	16178.9	16133.6	16100.2	16057.3
7.5°	16990.7	16959.3	16906.9	16867.2	16805.3	16758.0	16688.7	16633.2	16556.5	16492.8	16414.5
10°	17225.0	17206.8	17183.3	17157.6	17123.4	17089.8	17042.4	16994.2	16929.8	16865.7	16782.1
12.5°	16878.6	16895.8	16929.8	16945.7	16971.6	16980.5	16992.3	16986.7	16976.2	16950.1	16912.2
15°	15897.4	15969.2	16082.9	16161.5	16271.5	16348.8	16451.1	16517.0	16592.8	16638.2	16681.2
17.5°	14283.3	14422.3	14622.8	14782.7	14997.4	15171.9	15385.8	15553.8	15747.9	15896.7	16055.1
20°	12216.0	12410.6	12687.4	12922.4	13233.4	13497.2	13835.1	14118.2	14448.5	14723.7	15020.9
22.5°	9990.9	10219.9	10537.0	10820.4	11191.8	11523.7	11947.1	12321.4	12767.9	13167.8	13610.2
25°	7891.8	8116.2	8439.2	8732.7	9133.8	9499.2	9961.9	10391.2	10909.3	11392.4	11947.1
27.5°	6091.7	6291.1	6574.9	6839.2	7206.5	7565.3	8034.7	8492.7	9045.5	9564.6	10162.3
30°	4704.5	4866.2	5093.7	5306.2	5601.2	5894.6	6312.7	6736.2	7286.3	7824.3	8437.2
32.5°	3645.8	3783.7	3973.6	4146.2	4373.4	4594.7	4902.6	5240.9	5723.6	6238.8	6831.4
35°	2822.3	2940.2	3101.9	3250.5	3437.4	3613.0	3842.8	4084.3	4452.6	4886.1	5416.3
37.5°	2250.1	2298.2	2413.5	2535.3	2690.5	2834.9	3014.6	3193.2	3456.6	3798.7	4231.8
40°	1711.2	1787.5	1881.5	1977.3	2094.8	2210.6	2407.8	2502.7	2676.3	2921.8	3258.0
42.5°	1380.7	1434.4	1500.5	1567.2	1649.0	1729.7	1829.4	1931.0	2060.7	2227.0	2466.1
45°	1155.4	1190.4	1233.0	1277.4	1331.2	1386.3	1453.1	1522.8	1610.7	1712.9	1858.2
47.5°	1004.9	1024.2	1052.0	1082.4	1119.3	1157.3	1200.8	1245.2	1299.8	1360.4	1443.2
50°	887.4	903.6	925.2	945.4	970.9	1009.9	1027.2	1051.7	1084.5	1120.2	1166.4
52.5°	802.4	813.2	826.7	838.4	854.4	869.1	888.2	905.2	927.9	949.3	979.1
55°	736.2	740.1	747.8	755.2	766.4	776.4	789.5	800.5	815.1	827.9	846.8
57.5°	685.0	685.4	688.9	692.9	700.0	706.3	715.4	722.6	732.6	740.8	752.1
60°	648.3	646.4	647.1	648.4	652.4	656.6	662.3	667.0	673.4	678.0	684.3
62.5°	617.7	614.7	614.0	613.6	615.6	617.1	620.2	622.6	626.1	628.1	631.5
65°	579.1	575.4	574.0	572.4	573.0	572.5	573.7	573.7	575.6	576.0	578.0
67.5°	544.1	541.0	539.2	537.0	536.0	534.4	533.7	532.1	531.8	530.5	530.2
70°	512.1	509.1	507.6	505.5	504.5	502.4	501.1	498.4	496.9	494.5	493.1
72.5°	475.1	473.5	473.0	471.6	471.2	470.1	469.5	467.7	466.7	464.5	463.3
75°	436.5	435.2	435.0	433.6	433.5	432.1	431.8	429.7	428.7	426.7	425.8
77.5°	390.5	388.5	387.9	386.2	386.6	385.9	386.5	385.0	384.4	382.3	381.7
80°	338.6	336.0	335.0	332.8	333.4	332.4	333.4	333.3	334.1	332.4	332.1
82.5°	277.3	274.3	273.8	272.3	273.3	273.4	275.7	274.4	275.0	273.4	274.0
85°	201.7	199.6	196.7	196.3	194.3	196.4	193.7	195.4	192.7	194.6	192.0
87.5°	125.1	120.7	118.4	115.2	114.0	111.1	109.8	107.7	108.3	107.3	107.9
90°	85.2	83.4	86.1	86.6	89.8	90.6	94.4	96.1	100.1	101.8	106.0
92.5°	64.5	67.6	73.4	79.3	85.1	90.8	96.6	102.5	108.3	114.1	119.9
95°	80.1	83.0	90.8	98.5	106.2	114.0	121.7	129.5	137.2	144.9	152.7
97.5°	101.1	102.8	110.6	118.3	126.0	133.8	141.5	149.3	157.1	164.8	172.5
100°	116.1	116.2	138.2	160.2	182.1	204.2	226.2	248.2	270.2	292.2	314.2
102.5°	219.7	225.2	280.8	336.4	392.0	447.6	503.1	558.8	614.4	670.0	725.7
105°	490.8	512.6	597.3	682.2	766.9	851.9	936.7	1021.6	1106.5	1191.4	1276.2
107.5°	914.6	954.3	1031.0	1107.6	1184.2	1260.8	1337.5	1414.1	1490.8	1567.5	1644.3
110°	1290.9	1333.0	1384.3	1435.6	1487.0	1538.2	1589.6	1640.8	1692.3	1743.6	1795.0



TEST NUMBER: P1444376  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	1458.5	1485.7	1515.5	1545.4	1575.3	1605.1	1635.0	1664.8	1694.8	1724.7	1754.7
115°	1451.7	1464.7	1476.1	1487.7	1499.2	1510.7	1522.3	1533.9	1545.6	1557.1	1568.8
117.5°	1337.1	1341.5	1343.1	1344.8	1346.4	1348.1	1349.9	1351.7	1353.5	1355.3	1357.0
120°	1165.7	1164.2	1162.0	1159.8	1157.7	1155.6	1153.6	1151.5	1149.5	1147.4	1145.4
122.5°	992.6	989.2	987.1	985.0	983.0	980.9	979.0	977.1	975.1	973.2	971.2
125°	839.7	836.4	837.8	839.1	840.5	842.0	843.3	844.9	846.5	847.9	849.4
127.5°	726.5	725.2	729.2	733.3	737.5	741.6	745.7	749.9	754.0	758.3	762.4
130°	652.5	653.4	658.7	664.1	669.4	674.8	680.2	685.7	691.0	696.4	701.8
132.5°	607.9	610.4	615.4	620.5	625.7	630.9	636.0	641.2	646.4	651.7	656.7
135°	581.6	585.0	589.6	594.2	598.8	603.7	608.2	613.1	617.6	622.4	627.0
137.5°	562.9	566.4	570.0	573.6	577.2	581.0	584.8	588.5	592.1	595.8	599.4
140°	553.2	556.7	558.5	560.6	562.5	564.4	566.4	568.4	570.2	572.3	574.1
142.5°	541.7	544.9	545.9	547.1	548.3	549.6	550.7	551.9	553.0	554.1	555.3
145°	533.0	535.3	535.1	535.0	535.0	534.9	534.7	534.6	534.4	534.3	534.1
147.5°	521.7	523.4	522.9	522.5	522.0	521.6	521.1	520.6	520.0	519.6	519.1
150°	507.8	509.0	508.1	507.5	506.6	506.0	505.1	504.4	503.5	502.9	502.0
152.5°	493.4	494.5	493.5	492.9	491.9	491.1	490.2	489.5	488.5	487.6	486.8
155°	477.0	477.6	477.1	476.7	476.2	475.7	475.2	474.9	474.6	474.1	473.7
157.5°	466.8	466.9	466.7	466.4	466.2	465.9	465.7	465.5	465.4	465.1	465.1
160°	460.0	460.5	460.2	459.9	459.7	459.4	459.2	459.0	458.9	458.8	458.7
162.5°	454.0	454.0	453.7	453.4	453.2	453.1	452.8	452.8	452.7	452.5	452.5
165°	452.0	452.2	451.6	451.2	450.8	450.3	449.9	449.5	449.3	449.0	448.6
167.5°	448.7	448.5	448.5	448.6	448.6	448.7	448.7	449.0	449.0	449.2	449.3
170°	449.0	449.0	448.8	448.5	448.3	448.2	448.0	447.8	447.7	447.5	447.4
172.5°	451.4	451.4	450.9	450.4	450.0	449.6	449.1	448.7	448.3	447.9	447.4
175°	451.7	451.5	451.3	451.0	450.8	450.4	450.2	449.8	449.6	449.3	449.1
177.5°	452.9	452.8	452.7	452.7	452.7	452.6	452.6	452.6	452.6	452.6	452.5
180°	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2



TEST NUMBER: P1444376  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5
2.5°	15906.2	15906.0	15904.5	15905.2	15905.5	15906.6	15908.0	15909.4	15909.7	15910.8	15911.0
5°	16025.2	15985.9	15956.8	15924.7	15900.7	15879.0	15864.6	15853.1	15848.7	15849.8	15852.5
7.5°	16348.0	16266.8	16199.8	16123.5	16060.1	15992.8	15937.0	15884.0	15845.3	15816.5	15800.4
10°	16702.3	16603.3	16508.7	16398.4	16293.7	16182.1	16081.0	15979.2	15894.3	15820.6	15766.4
12.5°	16859.4	16789.5	16707.7	16603.6	16491.7	16362.9	16232.8	16093.3	15963.7	15843.2	15746.2
15°	16693.0	16693.1	16663.3	16613.4	16535.6	16432.7	16308.8	16163.4	16010.4	15854.2	15711.6
17.5°	16164.7	16264.4	16319.8	16354.9	16344.1	16306.2	16227.3	16115.6	15973.1	15806.8	15632.7
20°	15257.4	15492.5	15660.2	15810.9	15895.4	15951.5	15945.9	15900.4	15798.9	15657.5	15476.2
22.5°	13986.5	14381.1	14692.5	14982.8	15186.5	15352.1	15430.8	15464.3	15418.3	15319.7	15149.5
25°	12442.8	12979.4	13437.3	13881.6	14214.9	14501.3	14673.6	14794.9	14804.5	14753.0	14601.1
27.5°	10727.5	11360.8	11940.3	12530.9	12999.7	13411.5	13681.6	13879.5	13942.3	13934.0	13796.1
30°	9014.4	9679.2	10318.0	11006.7	11586.8	12112.8	12469.8	12737.3	12840.3	12860.1	12727.4
32.5°	7396.6	8052.1	8689.2	9409.1	10047.4	10650.4	11072.2	11389.8	11509.7	11537.9	11392.4
35°	5928.2	6533.1	7138.5	7836.2	8470.9	9095.2	9539.6	9872.3	9984.2	10003.0	9834.6
37.5°	4654.9	5170.3	5697.8	6323.8	6906.7	7493.0	7915.3	8227.9	8309.4	8304.4	8113.8
40°	3582.9	3983.5	4407.3	4922.7	5407.3	5903.1	6259.5	6517.9	6560.8	6529.0	6328.9
42.5°	2694.1	2983.4	3290.8	3675.5	4035.0	4406.0	4665.4	4857.2	4863.4	4813.2	4633.4
45°	2007.1	2289.4	2418.3	2650.9	2882.5	3129.2	3287.5	3406.1	3387.7	3343.6	3207.0
47.5°	1530.0	1638.6	1753.6	1897.9	2032.7	2312.7	2291.9	2482.3	2345.2	2438.7	2232.9
50°	1215.0	1275.7	1337.6	1414.2	1484.6	1557.9	1603.6	1637.7	1633.3	1618.6	1579.2
52.5°	1033.7	1052.5	1083.0	1126.5	1165.9	1205.5	1231.5	1252.7	1253.1	1247.1	1227.2
55°	863.9	887.7	909.7	938.2	986.6	994.1	1031.4	1023.8	1026.8	1016.4	1027.0
57.5°	761.7	775.5	787.9	804.9	818.9	835.3	844.8	854.1	853.2	851.2	841.1
60°	689.3	696.9	703.8	713.7	721.3	730.6	735.1	739.8	738.2	734.8	725.8
62.5°	633.5	638.3	642.1	648.6	653.2	659.0	661.3	663.3	661.3	658.0	650.0
65°	578.4	581.5	583.9	588.8	592.1	596.9	598.9	600.8	598.9	596.4	590.4
67.5°	528.7	529.0	528.7	530.7	531.7	534.7	535.6	536.9	534.8	532.6	527.4
70°	491.0	490.2	489.3	490.1	490.2	491.7	491.9	491.7	489.1	485.3	479.7
72.5°	461.5	461.1	460.4	461.0	461.0	462.3	461.9	461.3	458.2	454.5	448.9
75°	423.7	423.4	422.0	422.0	420.9	421.3	419.7	418.8	415.3	412.3	407.2
77.5°	379.4	378.7	376.6	375.8	373.5	372.6	369.7	368.3	364.8	362.2	358.0
80°	329.8	329.1	326.4	325.0	321.5	319.1	314.9	312.5	308.5	306.0	301.9
82.5°	272.6	272.9	270.3	268.5	263.3	259.5	253.8	250.7	246.2	243.9	239.6
85°	193.9	191.1	192.6	192.5	189.3	186.0	181.3	178.1	174.3	172.0	169.0
87.5°	106.3	107.1	106.2	105.6	103.3	101.6	98.1	96.2	93.3	92.0	89.7
90°	99.4	95.5	89.0	85.1	78.6	73.8	66.9	62.5	55.9	54.0	50.4
92.5°	113.3	106.9	100.4	93.7	87.4	80.8	74.3	67.8	61.2	58.9	56.9
95°	143.3	133.9	124.5	115.0	105.6	96.2	86.9	77.4	68.0	66.1	64.2
97.5°	161.5	150.4	139.3	128.2	117.0	105.9	94.9	83.8	72.7	71.5	70.3
100°	288.6	263.0	237.5	211.9	186.4	160.7	135.2	109.6	84.0	82.6	81.1
102.5°	663.6	601.5	539.5	477.5	415.4	353.4	291.4	229.2	167.3	158.3	149.4
105°	1182.3	1088.3	994.6	900.6	806.7	712.8	618.9	524.9	431.0	400.9	370.7
107.5°	1556.0	1467.6	1379.3	1291.0	1202.7	1114.5	1026.1	937.8	849.4	796.3	743.2
110°	1724.8	1654.8	1584.6	1514.4	1444.4	1374.2	1303.9	1233.8	1163.7	1117.8	1072.1



TEST NUMBER: P1444376  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	1703.2	1651.6	1600.3	1548.7	1497.3	1445.7	1394.2	1342.6	1291.1	1263.2	1235.2
115°	1537.7	1506.5	1475.4	1444.3	1413.0	1381.8	1350.7	1319.4	1288.2	1273.5	1258.5
117.5°	1341.0	1324.8	1308.8	1292.6	1276.5	1260.2	1244.2	1228.1	1211.8	1206.5	1201.1
120°	1140.4	1135.2	1130.0	1124.7	1119.6	1114.3	1109.1	1103.8	1098.5	1098.8	1099.1
122.5°	972.7	974.0	975.4	976.6	978.1	979.3	980.8	982.0	983.4	986.8	990.3
125°	853.5	857.5	861.7	865.7	869.7	873.7	877.8	881.7	885.8	889.2	892.9
127.5°	767.1	771.6	776.2	780.8	785.3	789.8	794.5	798.9	803.5	806.5	809.8
130°	705.8	709.5	713.6	717.3	721.3	725.1	729.0	732.8	736.7	739.0	741.2
132.5°	660.2	663.6	666.9	670.3	673.8	677.1	680.6	683.9	687.4	688.9	690.5
135°	629.4	631.7	634.3	636.6	639.2	641.5	643.9	646.4	648.9	649.7	650.5
137.5°	601.4	603.3	605.2	607.1	609.0	610.9	613.0	615.0	617.0	617.0	617.2
140°	576.2	578.4	580.4	582.6	584.7	586.8	589.1	591.3	593.6	593.6	593.8
142.5°	556.9	558.4	560.0	561.5	563.1	564.7	566.5	568.2	569.9	570.0	570.1
145°	536.1	538.0	540.1	542.1	544.1	546.2	548.4	550.5	552.7	552.6	552.5
147.5°	520.8	522.6	524.4	526.1	527.9	529.6	531.5	533.5	535.5	535.3	535.1
150°	504.0	505.9	507.7	509.6	511.8	513.8	515.8	518.0	520.2	520.5	520.7
152.5°	489.0	491.1	493.2	495.4	497.7	500.0	502.4	504.7	507.0	507.2	507.5
155°	475.9	478.0	480.2	482.4	484.7	486.9	489.3	491.5	493.8	494.3	494.7
157.5°	467.1	468.9	470.8	472.8	474.8	476.9	478.9	480.9	483.0	483.4	483.7
160°	460.4	462.1	463.8	465.5	467.3	469.0	470.8	472.6	474.3	474.7	475.0
162.5°	454.2	456.0	457.7	459.2	461.1	462.8	464.5	466.4	468.1	468.4	468.8
165°	449.9	451.0	452.3	453.4	454.8	455.9	457.2	458.3	459.7	460.1	460.7
167.5°	450.3	451.1	452.0	452.9	454.0	454.9	455.9	456.8	457.8	458.2	458.8
170°	448.3	449.1	449.9	450.8	451.8	452.6	453.5	454.4	455.4	455.8	456.3
172.5°	448.0	448.5	449.1	449.6	450.2	450.8	451.4	452.0	452.6	453.3	453.9
175°	449.4	449.7	450.0	450.3	450.5	450.9	451.2	451.6	451.9	452.4	453.0
177.5°	452.7	453.0	453.2	453.4	453.8	454.0	454.3	454.6	454.9	455.6	456.3
180°	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2



TEST NUMBER: P1444376  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5
2.5°	15910.5	15910.3	15909.8	15909.1	15908.4	15908.8	15909.5	15911.3	15914.6	15919.2	15925.1
5°	15854.7	15857.9	15859.8	15860.0	15858.4	15857.3	15858.9	15863.3	15872.1	15886.8	15906.9
7.5°	15796.1	15800.1	15806.3	15810.9	15811.7	15810.6	15810.9	15817.8	15834.0	15862.8	15903.3
10°	15733.5	15721.6	15728.0	15739.4	15748.6	15750.2	15751.3	15759.4	15783.2	15826.8	15891.6
12.5°	15675.8	15638.2	15630.9	15641.3	15655.1	15659.6	15658.3	15661.8	15689.6	15747.3	15837.8
15°	15599.8	15529.0	15504.8	15507.5	15524.6	15530.7	15526.3	15519.4	15546.6	15616.9	15733.9
17.5°	15477.0	15362.7	15318.2	15316.3	15336.3	15341.6	15330.6	15309.4	15336.1	15423.9	15569.2
20°	15290.0	15121.5	15037.7	15024.4	15046.1	15039.8	15017.9	14985.7	15020.8	15127.5	15300.4
22.5°	14954.0	14740.5	14597.3	14551.2	14577.1	14559.9	14527.8	14486.7	14533.4	14654.7	14847.2
25°	14405.0	14158.2	13962.3	13852.4	13873.0	13842.0	13807.2	13757.3	13813.0	13952.3	14164.1
27.5°	13598.0	13312.9	13070.2	12888.2	12894.9	12854.2	12814.1	12749.5	12819.0	12983.8	13222.8
30°	12524.9	12195.1	11899.4	11652.1	11629.9	11590.5	11549.4	11464.8	11551.7	11749.0	12028.3
32.5°	11177.3	10811.1	10469.5	10156.8	10097.8	10059.2	10022.6	9925.2	10039.1	10269.1	10590.1
35°	9601.3	9211.3	8840.9	8483.7	8386.0	8347.5	8315.5	8222.1	8364.2	8614.5	8961.1
37.5°	7871.5	7473.0	7105.2	6739.0	6600.9	6548.7	6525.4	6464.3	6628.2	6875.7	7223.7
40°	6095.6	5725.1	5395.3	5071.9	4914.4	4834.5	4822.3	4811.2	4969.7	5184.4	5500.4
42.5°	4434.4	4135.4	3881.1	3633.9	3491.2	3382.1	3382.1	3415.2	3557.8	3718.8	3962.3
45°	3067.4	2866.8	2704.7	2539.6	2583.7	2366.1	2493.9	2428.4	2498.9	2602.6	2760.9
47.5°	2108.5	1999.0	1910.0	1817.7	1750.4	1686.2	1691.8	1733.3	1799.7	1861.2	1943.6
50°	1536.7	1481.0	1435.6	1387.7	1354.3	1325.9	1327.5	1345.5	1380.4	1412.8	1455.9
52.5°	1204.1	1173.4	1148.7	1122.2	1104.7	1090.6	1091.3	1100.1	1119.0	1137.4	1162.2
55°	992.6	988.8	956.7	933.0	923.9	914.5	916.2	919.6	932.4	943.3	959.7
57.5°	831.7	817.3	807.7	795.2	789.4	782.9	784.3	785.6	794.2	801.4	813.3
60°	718.2	708.0	701.2	692.7	688.8	684.7	685.6	686.4	691.9	696.6	705.1
62.5°	642.7	633.7	627.7	621.1	618.5	615.7	616.3	616.5	619.9	623.5	629.8
65°	584.9	577.7	572.7	567.1	564.3	561.3	561.6	561.6	564.5	567.1	571.9
67.5°	523.7	518.2	515.1	510.6	508.6	505.7	505.6	504.7	506.5	507.5	510.9
70°	474.6	469.1	465.0	460.7	458.3	455.7	455.8	455.8	458.0	460.3	464.4
72.5°	444.3	439.0	435.4	431.5	429.3	427.1	426.7	426.4	428.0	429.3	432.1
75°	404.1	399.9	397.7	394.2	392.4	389.9	389.5	388.3	389.1	389.3	391.4
77.5°	355.4	351.3	349.6	346.1	344.6	341.6	341.4	340.1	340.7	340.3	342.0
80°	299.8	296.1	295.2	292.3	291.6	288.9	288.5	286.9	287.4	286.2	286.7
82.5°	237.8	234.5	233.8	231.1	231.1	228.6	228.4	226.0	226.0	224.0	220.7
85°	167.5	165.1	164.1	161.8	161.1	159.2	158.2	155.9	155.1	153.6	153.1
87.5°	88.4	86.9	85.5	84.5	82.4	79.0	78.7	76.3	76.5	74.8	74.9
90°	48.8	45.5	43.9	40.8	39.0	36.4	34.8	36.1	37.7	38.9	40.7
92.5°	54.7	52.6	50.3	48.2	46.0	43.9	41.7	43.9	46.0	48.2	50.3
95°	62.3	60.3	58.3	56.4	54.5	52.6	50.7	52.6	54.5	56.4	58.3
97.5°	69.1	67.9	66.7	65.5	64.3	63.1	61.9	63.2	64.4	65.6	66.8
100°	79.7	78.3	76.8	75.4	74.0	72.4	71.0	72.5	74.1	75.5	76.9
102.5°	140.5	131.6	122.6	113.7	104.7	95.9	86.9	95.9	104.7	113.8	122.7
105°	340.4	310.4	280.2	250.0	219.8	189.6	159.4	189.6	219.8	250.0	280.3
107.5°	690.2	637.1	583.9	530.7	477.7	424.5	371.3	424.6	477.8	530.8	584.0
110°	1026.2	980.3	934.5	888.7	842.8	796.9	751.0	797.0	842.9	888.8	934.7



TEST NUMBER: P1444376  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	1207.4	1179.4	1151.5	1123.5	1095.6	1067.6	1039.6	1067.7	1095.8	1123.8	1151.8
115°	1243.8	1228.9	1214.1	1199.2	1184.4	1169.4	1154.5	1169.6	1184.7	1199.6	1214.6
117.5°	1195.8	1190.4	1185.0	1179.6	1174.2	1168.8	1163.3	1168.9	1174.5	1180.1	1185.6
120°	1099.3	1099.6	1099.9	1100.1	1100.3	1100.5	1100.6	1100.7	1100.7	1100.7	1100.6
122.5°	993.8	997.2	1000.6	1004.1	1007.5	1010.8	1014.0	1011.0	1007.9	1004.9	1001.6
125°	896.3	899.8	903.4	906.9	910.2	913.8	916.9	914.1	910.9	907.8	904.5
127.5°	812.9	815.9	819.0	822.0	825.0	827.9	830.7	828.3	825.6	822.9	820.2
130°	743.2	745.6	747.6	749.8	751.7	753.7	755.6	754.0	752.3	750.9	749.0
132.5°	691.9	693.4	694.9	696.3	697.6	698.9	700.0	699.2	698.3	697.4	696.3
135°	651.3	652.2	652.8	653.7	654.3	654.9	655.3	655.3	655.0	654.8	654.3
137.5°	617.2	617.4	617.5	617.4	617.3	617.2	616.9	617.6	618.1	618.7	619.0
140°	593.9	594.0	594.1	594.0	594.1	594.0	593.7	594.4	594.9	595.3	595.6
142.5°	570.3	570.4	570.4	570.4	570.4	570.3	570.0	570.7	571.2	571.6	572.0
145°	552.3	552.2	551.9	551.7	551.4	551.0	550.5	551.4	552.1	552.8	553.5
147.5°	535.0	534.8	534.5	534.2	533.9	533.5	533.1	533.9	534.6	535.3	536.0
150°	521.0	521.4	521.5	521.7	521.8	521.8	521.8	522.2	522.6	522.8	523.0
152.5°	507.7	507.9	508.0	508.2	508.3	508.2	508.2	508.6	509.1	509.4	509.6
155°	495.1	495.5	495.8	496.2	496.4	496.7	496.9	497.2	497.3	497.5	497.6
157.5°	484.1	484.5	484.8	485.1	485.3	485.7	485.9	486.2	486.4	486.6	486.8
160°	475.3	475.7	476.0	476.3	476.7	477.0	477.2	477.5	477.8	477.9	478.2
162.5°	469.1	469.4	469.6	469.9	470.2	470.5	470.8	471.1	471.3	471.5	471.7
165°	461.2	461.8	462.2	462.8	463.3	463.9	464.3	464.4	464.3	464.3	464.2
167.5°	459.2	459.8	460.2	460.8	461.1	461.7	462.2	462.2	462.1	462.1	461.9
170°	456.7	457.3	457.7	458.2	458.6	459.1	459.4	459.4	459.3	459.3	459.2
172.5°	454.5	455.3	455.9	456.6	457.1	457.8	458.4	458.2	457.8	457.5	457.1
175°	453.4	454.2	454.8	455.4	455.9	456.5	457.1	456.6	456.3	456.0	455.6
177.5°	457.2	458.0	458.8	459.5	460.3	461.0	461.8	461.1	460.5	459.7	459.0
180°	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2



TEST NUMBER: P1444376  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5
2.5°	15933.7	15941.7	15953.9	15964.9	15981.6	15994.7	16014.4	16029.4	16051.6	16066.1	16090.2
5°	15935.1	15966.3	16007.3	16047.3	16095.4	16139.1	16193.3	16239.6	16294.0	16338.5	16394.3
7.5°	15957.6	16017.8	16089.8	16162.5	16244.6	16321.4	16407.9	16486.3	16571.8	16644.4	16723.5
10°	15974.3	16067.0	16173.2	16280.0	16392.5	16497.0	16602.5	16693.7	16778.9	16849.0	16910.9
12.5°	15951.8	16079.5	16215.7	16347.3	16472.4	16580.5	16671.3	16741.4	16789.8	16822.7	16830.3
15°	15875.1	16028.9	16177.0	16308.1	16411.8	16491.9	16533.3	16552.6	16531.9	16497.3	16421.4
17.5°	15732.0	15894.2	16026.6	16130.0	16184.8	16206.6	16172.2	16112.5	15995.9	15866.3	15679.4
20°	15469.7	15620.6	15716.8	15773.2	15758.5	15704.2	15574.6	15417.1	15184.2	14936.0	14608.4
22.5°	15009.4	15141.5	15192.6	15196.9	15107.4	14971.4	14737.8	14467.6	14100.2	13718.2	13248.4
25°	14318.6	14434.2	14442.3	14396.9	14233.1	14012.9	13669.8	13287.6	12788.4	12279.3	11690.6
27.5°	13381.7	13492.5	13465.4	13380.7	13153.2	12858.7	12419.3	11925.7	11310.1	10708.9	10057.6
30°	12204.0	12322.5	12290.6	12181.9	11911.4	11563.2	11046.2	10472.7	9789.3	9147.2	8487.2
32.5°	10794.5	10944.4	10922.4	10819.1	10536.8	10164.3	9603.3	8995.0	8295.7	7663.0	7020.9
35°	9192.5	9374.6	9384.0	9316.4	9054.4	8686.1	8132.2	7543.4	6873.6	6276.6	5683.5
37.5°	7466.5	7677.6	7721.0	7702.7	7485.6	7160.5	6655.8	6127.6	5534.3	5011.0	4503.8
40°	5731.0	5944.6	6018.8	6040.8	5880.6	5628.7	5214.5	4788.2	4304.5	3880.5	3477.7
42.5°	4148.3	4337.7	4409.3	4454.4	4354.3	4186.4	3884.3	3574.7	3220.3	2914.5	2621.3
45°	2881.1	3015.1	3069.6	3114.9	3060.4	2965.8	2775.0	2581.2	2347.3	2147.5	1958.3
47.5°	2014.3	2088.2	2124.1	2146.1	2125.1	2075.7	1971.8	1859.7	1727.6	1610.9	1498.6
50°	1493.0	1532.4	1551.2	1563.9	1548.5	1521.1	1464.9	1403.8	1331.3	1265.2	1200.5
52.5°	1183.2	1205.8	1217.0	1223.8	1214.9	1198.2	1165.5	1129.3	1085.8	1044.9	1023.4
55°	996.8	995.6	1021.4	1009.0	1021.4	993.6	987.7	948.0	911.8	886.4	858.9
57.5°	822.0	833.7	838.7	844.2	840.6	835.6	821.6	807.4	788.3	772.4	755.4
60°	711.5	721.2	726.7	732.1	731.8	729.9	721.8	713.4	701.5	691.9	681.6
62.5°	635.5	643.8	649.2	654.4	654.9	654.1	648.1	642.1	634.1	628.1	620.9
65°	575.6	581.5	585.1	589.4	589.1	587.9	582.5	577.6	570.9	566.8	561.5
67.5°	513.0	517.4	520.2	524.2	525.0	525.2	522.2	519.8	516.6	515.4	513.7
70°	468.4	473.7	478.4	483.3	486.0	487.3	486.0	484.9	483.0	482.2	480.8
72.5°	434.7	439.2	442.7	447.3	449.9	451.7	450.7	450.0	448.4	448.2	447.2
75°	392.8	395.9	397.9	401.4	402.7	404.4	403.7	404.1	403.5	404.8	404.8
77.5°	342.5	344.8	345.7	348.2	348.4	350.5	350.9	353.4	355.1	358.9	360.9
80°	285.7	287.3	287.3	289.8	290.9	294.4	296.0	300.0	301.9	305.2	305.5
82.5°	222.0	220.3	222.0	220.9	224.2	228.0	228.6	232.0	232.8	234.9	233.2
85°	151.8	151.7	150.2	150.5	149.5	149.9	149.4	150.0	149.4	149.5	147.9
87.5°	72.7	73.4	71.7	72.3	70.7	71.4	70.1	71.1	69.6	69.8	67.4
90°	42.1	43.7	45.1	46.7	48.5	52.8	57.0	61.2	65.7	69.9	74.3
92.5°	52.6	54.8	57.0	59.1	61.3	67.9	74.4	80.9	87.5	93.9	100.5
95°	60.3	62.3	64.2	66.2	68.1	77.5	87.0	96.4	105.8	115.2	124.7
97.5°	68.1	69.3	70.5	71.7	73.0	84.0	95.1	106.2	117.3	128.5	139.6
100°	78.5	79.9	81.3	82.8	84.3	109.9	135.5	161.0	186.7	212.3	237.9
102.5°	131.7	140.6	149.5	158.6	167.6	229.6	291.8	353.9	415.7	477.9	539.9
105°	310.5	340.6	371.0	401.2	431.3	525.3	619.3	713.3	807.2	901.0	995.1
107.5°	637.3	690.5	743.5	796.7	849.9	938.3	1026.7	1115.0	1203.4	1291.7	1380.0
110°	980.6	1026.5	1072.5	1118.4	1164.3	1234.5	1304.7	1375.0	1445.2	1515.3	1585.5



TEST NUMBER: P1444376  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	1179.9	1207.9	1235.8	1263.8	1291.8	1343.4	1395.1	1446.7	1498.3	1549.8	1601.4
115°	1229.6	1244.4	1259.3	1274.3	1289.2	1320.5	1351.8	1383.0	1414.2	1445.5	1476.8
117.5°	1191.1	1196.7	1202.1	1207.5	1212.9	1229.2	1245.5	1261.7	1277.9	1294.1	1310.4
120°	1100.6	1100.4	1100.3	1100.1	1099.9	1105.2	1110.6	1115.9	1121.3	1126.5	1131.8
122.5°	998.3	995.0	991.7	988.3	985.1	983.7	982.6	981.2	980.0	978.7	977.5
125°	901.1	897.8	894.5	891.0	887.6	883.7	879.7	875.8	871.8	867.9	863.9
127.5°	817.4	814.5	811.7	808.6	805.7	801.1	796.7	792.2	787.7	783.3	778.7
130°	747.2	745.1	743.3	741.1	739.2	735.3	731.6	727.7	724.0	720.1	716.4
132.5°	695.2	694.0	692.8	691.4	690.1	686.6	683.4	680.1	676.7	673.3	670.1
135°	654.0	653.4	653.0	652.3	651.7	649.3	647.1	644.7	642.3	639.9	637.6
137.5°	619.3	619.5	619.7	619.8	620.0	618.1	616.2	614.4	612.5	610.6	608.7
140°	596.0	596.2	596.4	596.5	596.7	594.6	592.5	590.5	588.4	586.3	584.2
142.5°	572.3	572.6	572.8	572.9	573.1	571.5	570.1	568.5	567.0	565.4	563.9
145°	554.1	554.6	555.2	555.5	556.1	553.9	552.1	550.0	548.2	546.2	544.3
147.5°	536.7	537.2	537.8	538.2	538.8	537.1	535.5	533.8	532.2	530.4	528.9
150°	523.3	523.4	523.5	523.7	523.7	521.9	520.0	518.2	516.5	514.5	512.8
152.5°	509.9	510.2	510.4	510.6	510.8	508.8	506.8	504.8	502.8	500.7	498.7
155°	497.7	497.8	497.8	497.8	497.8	495.9	494.0	492.1	490.2	488.1	486.1
157.5°	486.9	487.0	487.1	487.2	487.2	485.5	483.8	482.2	480.5	478.8	477.1
160°	478.3	478.5	478.6	478.6	478.8	477.4	475.9	474.4	473.1	471.5	470.0
162.5°	471.9	472.1	472.2	472.2	472.4	471.0	469.6	468.2	466.8	465.1	463.7
165°	464.2	464.0	463.9	463.7	463.6	462.6	461.8	460.8	459.9	458.8	457.9
167.5°	461.9	461.7	461.6	461.4	461.3	460.6	460.1	459.3	458.6	457.8	457.1
170°	459.1	458.9	458.8	458.6	458.5	457.8	457.1	456.4	455.9	454.9	454.2
172.5°	456.7	456.3	456.0	455.6	455.2	454.7	454.2	453.7	453.3	452.8	452.3
175°	455.2	454.7	454.4	453.9	453.4	453.3	453.0	452.9	452.6	452.4	452.1
177.5°	458.4	457.8	457.0	456.3	455.7	455.5	455.3	455.1	455.0	454.7	454.5
180°	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2



TEST NUMBER: P1444376  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5
2.5°	16105.3	16005.8	15992.6	15999.6	16016.3	16022.4	16040.3	16045.2	16063.3	16067.7	16085.1
5°	16437.5	16306.0	16312.6	16344.3	16392.1	16420.7	16467.7	16492.3	16537.2	16557.6	16598.2
7.5°	16787.9	16684.7	16716.9	16770.2	16835.7	16881.0	16937.5	16974.3	17022.9	17053.2	17092.2
10°	16960.0	16931.7	16967.1	17009.1	17046.4	17075.7	17099.6	17118.8	17131.3	17143.1	17148.3
12.5°	16829.1	16872.9	16878.9	16874.8	16850.1	16831.2	16788.8	16760.0	16708.8	16677.7	16616.7
15°	16343.7	16439.9	16386.7	16305.9	16187.9	16089.4	15950.4	15846.8	15702.1	15603.9	15458.6
17.5°	15491.9	15613.4	15474.5	15287.8	15050.2	14847.0	14594.0	14393.1	14141.5	13958.5	13723.7
20°	14292.7	14406.2	14158.5	13849.0	13481.6	13172.3	12807.6	12516.6	12177.7	11925.7	11621.5
22.5°	12799.7	12880.5	12531.5	12114.3	11646.1	11259.7	10823.7	10474.8	10088.2	9799.9	9475.5
25°	11147.8	11169.6	10751.0	10270.2	9748.5	9314.3	8848.8	8482.1	8087.6	7795.5	7477.2
27.5°	9480.6	9448.6	8996.1	8486.4	7937.5	7486.2	7032.2	6688.6	6343.1	6079.9	5805.7
30°	7907.0	7829.4	7359.6	6835.8	6302.9	5898.5	5521.6	5245.6	4970.7	4762.0	4541.9
32.5°	6464.0	6354.6	5897.3	5406.4	4957.5	4645.3	4365.8	4157.0	3935.1	3758.8	3574.0
35°	5185.8	5069.3	4664.2	4248.0	3908.3	3678.1	3458.4	3287.1	3098.7	2950.0	2789.5
37.5°	4088.9	3993.3	3654.0	3326.6	3069.6	2891.2	2711.3	2571.2	2415.5	2350.1	2178.6
40°	3156.6	3089.9	2824.5	2583.1	2390.1	2306.4	2123.6	1992.9	1876.4	1780.5	1687.6
42.5°	2462.2	2438.6	2180.3	1992.1	1856.2	1750.6	1648.8	1566.2	1485.7	1419.6	1357.1
45°	1806.9	1788.1	1673.5	1564.9	1472.2	1398.5	1329.7	1272.9	1220.2	1176.6	1136.9
47.5°	1407.1	1401.0	1335.0	1267.6	1209.3	1161.9	1117.3	1079.5	1044.6	1015.5	1006.0
50°	1144.4	1143.6	1104.9	1063.3	1021.7	994.4	965.8	943.5	921.1	903.7	885.2
52.5°	972.4	968.1	942.0	916.3	891.7	873.7	855.4	841.2	826.4	815.6	804.1
55°	837.1	841.5	826.4	811.0	795.6	784.4	771.7	762.3	752.1	745.2	738.4
57.5°	743.1	749.0	741.1	732.3	722.9	715.6	706.8	700.3	693.5	689.1	685.2
60°	674.8	681.2	678.0	673.6	667.9	663.4	657.9	654.2	649.8	647.4	645.2
62.5°	616.8	624.8	623.7	621.6	617.9	615.5	612.4	610.7	607.9	606.8	605.8
65°	559.0	568.0	567.8	566.8	564.7	564.0	562.1	561.7	560.3	560.9	560.7
67.5°	513.5	521.2	523.0	524.3	524.2	524.7	524.5	525.3	525.3	526.4	527.1
70°	480.7	486.0	487.3	488.7	489.1	490.1	490.1	490.8	490.6	491.5	491.7
72.5°	447.5	454.7	455.9	457.0	457.0	458.0	457.5	457.3	455.9	455.6	454.6
75°	406.1	415.3	417.3	418.6	418.8	419.7	418.4	417.7	415.3	414.4	412.7
77.5°	363.0	372.5	373.9	374.4	373.6	373.8	371.2	369.5	366.5	365.3	363.6
80°	306.8	320.9	322.1	321.2	318.9	318.5	316.0	314.4	310.8	309.6	308.1
82.5°	233.5	249.9	252.2	253.3	251.5	251.9	249.5	248.5	245.2	244.7	242.5
85°	147.4	163.9	166.6	166.2	164.4	164.0	162.5	163.1	162.8	163.7	164.2
87.5°	67.7	83.6	87.5	86.3	86.1	85.0	82.4	83.3	84.9	85.9	86.0
90°	78.6	87.7	91.8	88.5	83.5	80.0	75.3	71.9	67.5	64.2	59.6
92.5°	107.1	113.5	120.1	114.2	108.5	102.6	96.9	90.9	85.3	79.3	73.7
95°	134.1	143.5	152.9	145.1	137.4	129.7	121.9	114.2	106.4	98.7	91.0
97.5°	150.7	161.7	172.7	165.0	157.3	149.4	141.7	134.0	126.2	118.5	110.8
100°	263.4	288.8	314.4	292.4	270.3	248.4	226.4	204.3	182.3	160.4	138.4
102.5°	601.9	663.8	725.8	670.2	614.6	559.0	503.4	447.8	392.2	336.5	281.0
105°	1088.9	1182.6	1276.5	1191.5	1106.7	1021.8	937.0	852.1	767.1	682.3	597.4
107.5°	1468.4	1556.3	1644.5	1567.8	1491.1	1414.4	1337.6	1261.1	1184.5	1107.7	1031.1
110°	1655.8	1725.3	1795.4	1743.9	1692.6	1641.1	1589.9	1538.4	1487.2	1435.8	1384.5



TEST NUMBER: P1444376  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	1652.8	1703.8	1755.1	1725.0	1695.1	1665.2	1635.3	1605.3	1575.6	1545.6	1515.8
115°	1507.8	1538.3	1569.3	1557.5	1546.0	1534.3	1522.7	1511.1	1499.5	1487.9	1476.5
117.5°	1326.5	1341.7	1357.6	1355.8	1354.0	1352.2	1350.4	1348.5	1346.9	1345.2	1343.5
120°	1137.0	1141.2	1146.1	1148.1	1150.2	1152.2	1154.2	1156.2	1158.2	1160.4	1162.5
122.5°	976.1	973.7	972.0	973.9	975.9	977.8	979.7	981.7	983.7	985.7	987.7
125°	860.0	854.6	850.2	848.7	847.3	845.7	844.2	842.7	841.3	839.9	838.6
127.5°	774.2	768.4	763.4	759.3	755.1	750.9	746.8	742.6	738.5	734.2	730.2
130°	712.6	707.2	703.0	697.5	692.3	686.7	681.4	676.1	670.7	665.2	659.9
132.5°	666.7	661.7	658.0	652.9	647.8	642.6	637.5	632.3	627.1	621.9	616.8
135°	635.2	631.1	628.4	623.7	619.2	614.5	609.7	605.2	600.6	595.7	591.3
137.5°	606.8	603.1	600.9	597.2	593.7	590.1	586.5	582.7	579.1	575.3	571.8
140°	582.2	578.2	575.6	573.8	572.0	570.0	568.2	566.3	564.4	562.5	560.5
142.5°	562.4	558.8	556.9	555.8	554.7	553.5	552.6	551.5	550.4	549.1	548.0
145°	542.2	538.1	535.7	535.9	536.2	536.3	536.5	536.7	536.9	537.0	537.2
147.5°	527.2	523.1	520.8	521.4	521.9	522.4	523.0	523.4	524.0	524.5	525.0
150°	510.9	506.2	503.6	504.5	505.2	506.1	506.8	507.7	508.5	509.3	510.2
152.5°	496.6	491.1	488.2	489.1	490.0	490.8	491.7	492.6	493.5	494.4	495.3
155°	484.0	478.2	475.1	475.4	475.8	476.2	476.7	477.2	477.7	478.1	478.7
157.5°	475.2	469.3	466.5	466.5	466.7	466.9	467.1	467.3	467.6	467.8	468.2
160°	468.5	462.7	460.1	460.1	460.3	460.4	460.6	460.7	461.0	461.2	461.6
162.5°	462.1	456.5	453.9	453.8	453.9	454.0	454.3	454.4	454.6	454.7	455.1
165°	456.8	452.1	449.9	450.2	450.6	450.8	451.2	451.6	452.0	452.4	452.9
167.5°	456.3	452.1	450.5	450.4	450.2	450.0	450.0	449.8	449.8	449.7	449.7
170°	453.4	450.0	448.6	448.7	449.0	449.0	449.1	449.4	449.5	449.6	449.9
172.5°	451.8	449.4	448.3	448.8	449.3	449.6	450.1	450.5	451.0	451.4	451.9
175°	451.9	450.4	450.0	450.0	450.3	450.5	450.8	451.0	451.3	451.5	452.0
177.5°	454.3	453.6	453.3	453.3	453.3	453.3	453.3	453.3	453.3	453.4	453.4
180°	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2



TEST NUMBER: P1444376  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5
2.5°	16088.3	16107.1	16105.7	16123.1	16122.3	16138.8	16135.4	16149.8	16146.4	16158.6	16151.5
5°	16616.0	16651.7	16663.5	16695.6	16702.4	16731.1	16731.7	16754.6	16751.9	16769.8	16760.3
7.5°	17115.3	17148.6	17164.4	17189.4	17201.8	17222.6	17230.7	17247.7	17251.8	17261.9	17261.6
10°	17157.3	17157.2	17165.1	17161.6	17168.5	17164.5	17173.1	17170.0	17182.6	17179.3	17188.8
12.5°	16590.5	16534.2	16513.7	16463.1	16452.0	16408.8	16411.8	16384.0	16397.5	16380.3	16409.5
15°	15372.1	15241.7	15177.2	15063.7	15028.0	14938.3	14931.1	14871.6	14887.6	14856.4	14902.0
17.5°	13571.8	13366.3	13253.5	13087.8	13022.1	12895.2	12869.7	12793.0	12804.9	12766.3	12821.4
20°	11425.2	11176.9	11034.7	10843.0	10757.6	10606.3	10566.2	10480.5	10491.2	10452.7	10515.0
22.5°	9254.1	8994.2	8833.7	8632.8	8523.7	8381.5	8338.8	8252.6	8257.6	8221.4	8281.3
25°	7259.0	7009.9	6854.0	6671.6	6576.9	6446.5	6401.6	6324.3	6328.6	6298.9	6352.6
27.5°	5615.4	5411.0	5280.6	5127.6	5042.8	4935.5	4891.8	4826.8	4826.6	4804.8	4849.7
30°	4388.1	4217.5	4100.5	3967.3	3887.5	3790.8	3748.5	3690.3	3687.8	3672.3	3708.0
32.5°	3435.8	3284.1	3177.2	3060.1	2988.5	2905.5	2865.5	2818.6	2814.4	2800.4	2829.7
35°	2670.9	2543.1	2451.3	2352.6	2359.8	2237.5	2257.7	2162.6	2136.9	2131.2	2153.0
37.5°	2064.3	1965.3	1890.8	1816.8	1766.8	1715.0	1687.1	1662.1	1659.3	1656.9	1672.1
40°	1615.8	1546.5	1492.3	1441.6	1407.2	1375.6	1358.1	1344.4	1341.1	1339.2	1348.5
42.5°	1307.8	1260.9	1226.0	1195.1	1174.2	1157.0	1147.4	1139.8	1137.2	1137.2	1142.7
45°	1104.9	1076.5	1054.0	1034.7	1021.4	1027.3	1010.0	1019.0	1007.1	1019.4	1011.2
47.5°	973.0	948.9	934.9	921.3	913.1	906.7	906.9	907.0	909.6	910.0	912.6
50°	871.3	857.2	847.6	838.9	834.6	831.2	832.4	833.3	835.8	836.0	837.9
52.5°	795.9	786.7	780.9	775.5	773.6	771.7	772.5	772.1	773.3	772.7	774.3
55°	734.7	730.3	728.5	726.5	726.8	726.2	726.6	724.7	723.5	721.9	723.4
57.5°	684.3	683.7	685.0	685.8	688.1	688.9	689.4	687.2	685.1	683.2	684.3
60°	645.6	646.6	649.6	652.1	655.4	657.0	657.9	656.6	655.0	653.4	654.4
62.5°	607.3	608.8	612.5	615.3	619.3	621.3	623.7	623.8	624.4	623.8	624.5
65°	563.0	564.8	568.2	570.5	574.2	576.0	578.4	578.8	580.1	579.8	580.9
67.5°	529.2	530.9	533.7	535.9	539.2	541.1	543.1	543.2	543.8	543.6	544.8
70°	493.3	494.1	496.6	498.4	501.8	503.7	506.1	506.8	508.2	508.5	509.6
72.5°	455.0	454.7	456.1	456.9	459.4	460.9	463.9	465.7	468.1	468.8	469.6
75°	413.2	412.9	414.6	415.3	417.4	419.0	422.4	424.6	428.4	430.0	429.5
77.5°	364.9	365.7	369.0	370.8	373.6	375.7	380.0	383.5	390.5	393.6	390.5
80°	310.8	311.7	315.1	316.8	320.6	322.9	327.8	331.9	338.2	339.6	337.8
82.5°	244.4	244.6	247.6	248.9	253.8	257.3	263.6	266.8	270.7	270.1	269.6
85°	166.6	168.8	172.7	176.6	182.4	188.2	194.0	198.9	195.4	200.8	194.7
87.5°	89.0	88.8	94.0	93.2	101.5	106.2	111.4	113.8	116.5	115.9	116.0
90°	56.6	53.8	52.4	49.4	48.4	45.4	44.8	41.9	41.6	38.3	42.7
92.5°	67.7	64.7	61.4	58.4	55.2	52.1	48.8	45.7	42.6	39.5	42.6
95°	83.2	80.3	77.5	74.5	71.5	68.7	65.8	62.9	60.0	57.1	60.7
97.5°	103.0	101.3	99.6	98.0	96.3	94.5	92.8	91.2	89.4	87.7	90.1
100°	116.4	116.4	116.4	116.4	116.3	116.3	116.3	116.3	116.3	116.3	118.3
102.5°	225.3	219.8	214.2	208.7	203.1	197.5	191.9	186.4	180.8	175.3	183.4
105°	512.7	491.0	469.1	447.4	425.6	403.9	382.1	360.4	338.6	316.9	339.4
107.5°	954.5	914.8	875.2	835.6	795.8	756.2	716.6	676.9	637.4	597.7	633.2
110°	1333.2	1291.0	1249.0	1207.0	1164.9	1122.8	1080.8	1038.8	996.8	954.7	988.5



TEST NUMBER: P1444376  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	1486.0	1458.7	1431.6	1404.5	1377.4	1350.2	1323.2	1296.2	1269.1	1242.1	1258.5
115°	1464.9	1452.0	1439.0	1426.1	1413.3	1400.5	1387.6	1374.8	1361.9	1349.1	1350.1
117.5°	1341.8	1337.5	1333.2	1329.1	1324.8	1320.7	1316.4	1312.4	1308.2	1304.1	1295.0
120°	1164.7	1166.1	1167.6	1169.1	1170.7	1172.4	1173.9	1175.5	1177.2	1178.9	1166.6
122.5°	989.7	993.2	996.5	999.9	1003.5	1007.0	1010.4	1014.0	1017.7	1021.3	1009.0
125°	837.1	840.4	843.7	847.2	850.5	854.0	857.5	861.2	864.7	868.4	858.1
127.5°	726.1	727.5	728.8	730.1	731.6	733.1	734.8	736.4	738.1	739.8	733.2
130°	654.5	653.6	652.7	652.0	651.2	650.6	649.9	649.4	648.9	648.4	645.4
132.5°	611.7	609.3	607.0	604.7	602.5	600.4	598.2	596.2	594.2	592.4	591.4
135°	586.5	583.2	579.9	576.6	573.4	570.3	567.2	564.3	561.4	558.5	558.9
137.5°	568.1	564.8	561.5	558.3	555.1	552.1	548.9	546.0	543.1	540.2	541.1
140°	558.7	555.3	551.9	548.8	545.7	542.5	539.5	536.7	533.6	530.8	531.4
142.5°	546.9	544.1	540.9	538.0	535.1	532.2	529.5	526.9	524.1	521.7	522.3
145°	537.3	535.2	533.0	530.6	528.6	526.6	524.5	522.5	520.5	518.8	519.1
147.5°	525.5	523.9	522.1	520.5	518.9	517.4	515.9	514.5	513.0	511.8	511.8
150°	511.0	509.9	508.8	507.8	506.7	505.7	504.8	503.8	502.9	502.1	501.9
152.5°	496.2	495.2	494.2	493.2	492.2	491.3	490.4	489.5	488.7	487.8	487.6
155°	479.2	478.7	478.2	477.8	477.3	477.0	476.4	476.2	475.8	475.4	475.5
157.5°	468.4	468.3	468.0	468.0	467.8	467.7	467.4	467.5	467.2	467.3	467.4
160°	461.9	461.5	461.1	460.8	460.5	460.1	459.7	459.5	459.2	458.9	459.2
162.5°	455.3	455.5	455.5	455.6	455.8	455.9	456.1	456.4	456.5	456.7	456.9
165°	453.4	453.2	453.0	452.8	452.8	452.6	452.5	452.6	452.4	452.4	452.8
167.5°	449.6	449.9	450.1	450.4	450.6	451.0	451.3	451.7	452.1	452.5	452.8
170°	450.0	450.0	450.0	450.0	450.0	450.1	450.2	450.2	450.3	450.4	450.7
172.5°	452.4	452.4	452.3	452.4	452.3	452.4	452.4	452.4	452.4	452.5	452.7
175°	452.0	452.4	452.7	452.9	453.1	453.4	453.6	453.8	454.2	454.4	454.4
177.5°	453.4	453.4	453.4	453.4	453.4	453.5	453.5	453.5	453.5	453.4	453.6
180°	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2



TEST NUMBER: P1444376  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5
2.5°	16163.4	16155.3	16163.6	16155.2	16163.6	16153.5	16160.3	16149.4	16152.2	16140.9	16143.8
5°	16774.5	16761.6	16768.5	16751.7	16753.5	16731.1	16730.7	16704.7	16697.8	16668.2	16655.2
7.5°	17268.7	17264.5	17266.9	17256.1	17254.9	17239.6	17232.3	17210.8	17197.3	17170.0	17151.4
10°	17190.5	17203.1	17206.4	17219.2	17221.8	17234.6	17237.3	17250.0	17252.6	17262.1	17262.2
12.5°	16408.1	16450.8	16461.1	16513.9	16536.2	16596.6	16629.0	16695.6	16735.3	16801.7	16842.5
15°	14900.7	14974.8	15004.2	15107.5	15164.6	15285.0	15360.6	15498.9	15596.6	15743.5	15848.3
17.5°	12826.2	12929.6	12976.2	13116.2	13207.5	13385.3	13513.4	13724.3	13885.8	14120.1	14306.0
20°	10525.7	10640.6	10704.0	10863.6	10971.4	11179.0	11339.0	11598.3	11814.3	12111.3	12365.3
22.5°	8300.0	8409.4	8479.8	8642.2	8763.5	8980.1	9158.9	9432.5	9674.7	10009.4	10313.8
25°	6372.8	6473.1	6536.7	6683.6	6797.5	6996.6	7167.3	7430.4	7667.4	8003.1	8315.4
27.5°	4872.0	4955.9	5017.3	5142.5	5243.0	5411.8	5558.5	5775.9	5980.0	6270.5	6548.5
30°	3729.9	3804.3	3864.0	3973.0	4066.2	4212.6	4341.5	4524.2	4693.2	4924.2	5145.4
32.5°	2850.3	2914.4	2967.5	3063.0	3147.5	3279.2	3395.5	3555.5	3700.6	3896.6	4078.6
35°	2173.2	2299.3	2290.3	2422.1	2443.3	2537.8	2641.5	2781.5	2910.0	3076.5	3231.4
37.5°	1686.7	1722.3	1760.2	1818.4	1879.6	1965.6	2053.2	2224.2	2287.0	2412.9	2541.2
40°	1360.2	1384.1	1409.3	1448.6	1491.4	1552.0	1615.8	1697.4	1781.0	1883.2	1987.4
42.5°	1150.0	1163.5	1179.4	1202.6	1229.0	1267.4	1310.1	1365.4	1423.6	1495.4	1568.8
45°	1027.5	1021.0	1025.7	1038.2	1054.0	1077.4	1104.4	1138.6	1176.5	1223.0	1272.6
47.5°	913.1	915.8	917.2	923.9	932.4	948.2	964.5	987.7	1032.6	1046.3	1073.4
50°	837.8	839.0	838.6	842.0	846.3	856.5	867.1	882.9	898.5	919.4	939.3
52.5°	774.5	776.3	776.0	778.2	780.6	787.0	793.7	804.9	815.2	828.4	839.8
55°	724.6	727.0	727.9	729.8	730.9	734.4	737.0	742.3	746.7	754.2	761.1
57.5°	686.1	689.4	691.1	691.7	690.4	690.2	689.2	690.4	691.3	695.3	699.1
60°	656.0	658.6	659.0	658.6	656.2	654.3	651.5	650.6	650.1	652.1	654.2
62.5°	624.3	625.3	624.6	623.8	620.9	619.2	616.3	615.2	614.2	615.6	616.7
65°	580.5	581.3	580.5	580.1	577.5	576.1	573.6	572.8	571.4	571.7	571.5
67.5°	545.0	545.8	545.2	544.5	542.7	541.8	540.0	538.8	537.1	536.5	535.3
70°	509.5	510.2	509.1	508.5	506.5	505.7	504.0	503.7	502.3	502.0	500.7
72.5°	468.8	468.8	467.4	467.0	465.5	465.5	464.7	465.4	465.4	466.1	465.8
75°	427.0	426.4	424.7	424.4	423.3	423.8	423.0	424.0	424.2	425.7	425.9
77.5°	385.2	383.1	379.7	378.1	375.9	375.5	374.2	375.1	374.8	376.7	377.4
80°	332.5	329.8	325.5	323.5	320.8	320.4	319.1	320.4	319.8	321.9	323.3
82.5°	265.5	263.1	258.7	257.0	254.0	254.3	253.0	254.3	254.1	257.1	258.9
85°	196.4	194.8	190.2	186.2	181.6	178.9	176.3	175.9	175.1	176.3	177.4
87.5°	113.4	112.0	108.4	106.0	98.1	98.4	95.2	95.0	94.3	93.6	95.2
90°	44.0	47.9	49.3	53.2	54.8	58.8	60.7	64.7	66.7	71.1	73.6
92.5°	45.7	48.8	52.0	55.2	58.3	61.4	64.6	67.7	74.5	81.1	88.0
95°	64.4	68.0	71.6	75.2	78.8	82.4	86.1	89.7	99.6	109.5	119.4
97.5°	92.6	94.9	97.4	99.8	102.2	104.6	107.1	109.5	120.2	130.9	141.5
100°	120.2	122.1	124.0	126.0	127.9	129.9	131.8	133.7	154.4	174.9	195.4
102.5°	191.7	199.9	208.2	216.3	224.6	232.8	241.1	249.2	296.4	343.6	390.7
105°	361.8	384.3	406.8	429.2	451.7	474.2	496.7	519.2	594.6	670.0	745.4
107.5°	668.8	704.3	739.8	775.3	810.8	846.3	881.9	917.5	990.9	1064.6	1138.1
110°	1022.3	1056.1	1089.9	1123.9	1157.7	1191.5	1225.4	1259.3	1303.4	1347.5	1391.5



TEST NUMBER: P1444376  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	1275.0	1291.3	1307.9	1324.3	1340.9	1357.3	1373.9	1390.4	1412.4	1434.2	1456.2
115°	1351.2	1352.2	1353.2	1354.2	1355.2	1356.3	1357.4	1358.6	1365.4	1372.0	1378.8
117.5°	1285.9	1276.7	1267.6	1258.6	1249.5	1240.6	1231.6	1222.7	1221.0	1219.3	1217.7
120°	1154.5	1142.3	1130.1	1117.7	1105.7	1093.5	1081.4	1069.4	1063.1	1056.6	1050.3
122.5°	996.9	984.7	972.5	960.3	948.3	936.2	924.2	912.3	907.7	903.0	898.3
125°	847.8	837.6	827.4	817.2	807.2	797.1	787.1	777.1	776.4	775.6	775.0
127.5°	727.0	720.6	714.3	708.1	702.0	695.8	689.8	683.6	685.6	687.7	689.7
130°	642.4	639.6	636.8	633.8	631.2	628.5	625.8	623.2	627.3	631.0	635.2
132.5°	590.8	590.1	589.5	588.9	588.3	587.8	587.5	586.9	591.7	596.3	601.0
135°	559.4	559.8	560.5	561.1	561.9	562.5	563.4	564.1	568.6	572.9	577.5
137.5°	542.0	543.0	544.1	545.3	546.5	547.6	548.9	550.1	553.5	557.0	560.3
140°	532.2	532.8	533.7	534.6	535.5	536.3	537.4	538.3	541.1	543.6	546.4
142.5°	523.1	523.6	524.4	525.3	526.2	527.0	527.9	528.8	530.6	532.6	534.6
145°	519.6	520.0	520.6	521.1	521.8	522.4	523.1	523.6	524.7	525.7	526.9
147.5°	512.0	512.2	512.5	512.8	513.2	513.5	513.7	514.0	514.6	515.2	515.8
150°	501.8	501.8	501.9	501.7	501.9	502.0	502.0	502.1	502.6	503.1	503.6
152.5°	487.6	487.5	487.4	487.4	487.4	487.4	487.3	487.4	488.0	488.5	489.0
155°	475.7	475.9	476.1	476.3	476.7	476.8	477.1	477.3	477.6	477.8	478.1
157.5°	467.6	467.7	468.0	468.2	468.4	468.6	468.9	469.0	469.3	469.5	469.7
160°	459.7	460.2	460.5	461.1	461.5	461.9	462.4	462.9	463.1	463.3	463.5
162.5°	457.1	457.3	457.6	457.8	458.0	458.2	458.4	458.6	459.1	459.5	460.0
165°	453.3	453.7	454.3	454.7	455.2	455.7	456.1	456.6	456.7	457.0	457.2
167.5°	453.4	453.7	454.4	454.8	455.3	455.7	456.2	456.6	456.8	456.9	457.2
170°	451.2	451.6	452.0	452.4	452.9	453.2	453.7	454.2	454.6	455.0	455.4
172.5°	453.1	453.4	453.8	454.2	454.6	455.0	455.4	455.7	456.1	456.5	456.8
175°	454.4	454.4	454.5	454.5	454.6	454.6	454.7	454.8	454.8	454.9	454.9
177.5°	453.9	454.2	454.4	454.7	454.9	455.1	455.4	455.6	455.6	455.6	455.6
180°	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2



TEST NUMBER: P1444376  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5
2.5°	16132.5	16133.2	16120.2	16119.5	16107.3	16105.8	16093.9	16090.2	16080.6	16077.1	16067.3
5°	16622.0	16606.1	16569.5	16547.9	16511.8	16487.8	16448.6	16423.1	16385.3	16356.7	16318.7
7.5°	17117.0	17092.4	17051.2	17017.9	16967.7	16927.6	16868.9	16820.6	16757.1	16702.0	16635.1
10°	17262.2	17258.3	17247.8	17232.6	17209.3	17183.0	17143.0	17101.2	17045.5	16984.9	16910.6
12.5°	16904.9	16943.5	16996.1	17027.3	17065.2	17081.9	17097.4	17093.5	17083.3	17052.6	17009.6
15°	16000.0	16108.4	16252.0	16363.2	16491.1	16584.1	16686.8	16750.9	16814.7	16844.1	16862.2
17.5°	14560.6	14765.8	15023.1	15236.4	15482.5	15680.2	15896.8	16060.0	16227.6	16347.8	16456.5
20°	12711.5	13008.8	13372.9	13694.5	14068.3	14393.2	14749.3	15041.6	15343.1	15578.8	15801.8
22.5°	10706.0	11059.1	11499.2	11906.8	12388.8	12822.0	13310.7	13736.1	14180.3	14551.3	14910.1
25°	8733.8	9121.2	9602.2	10057.1	10603.0	11106.9	11686.4	12216.7	12790.7	13289.0	13781.4
27.5°	6932.9	7313.2	7804.4	8288.6	8865.9	9402.8	10023.8	10607.9	11261.5	11864.2	12480.8
30°	5452.8	5775.3	6215.8	6684.7	7254.1	7800.5	8428.2	9028.9	9708.9	10367.1	11061.6
32.5°	4320.1	4565.8	4912.1	5308.7	5833.9	6354.0	6951.8	7531.7	8201.4	8866.1	9588.4
35°	3431.0	3622.6	3886.7	4196.0	4640.9	5089.2	5618.0	6145.3	6770.1	7400.9	8103.0
37.5°	2705.5	2861.0	3067.8	3300.2	3657.0	4025.0	4458.5	4895.7	5438.5	5997.7	6634.1
40°	2112.7	2238.6	2399.6	2573.0	2842.4	3125.9	3461.2	3800.2	4236.3	4693.4	5220.0
42.5°	1659.7	1752.5	1866.2	1993.0	2244.3	2394.9	2622.2	2867.5	3188.0	3519.8	3915.7
45°	1332.9	1396.3	1475.1	1560.0	1676.8	1804.4	1960.1	2123.4	2428.0	2577.4	2818.1
47.5°	1113.1	1155.6	1205.8	1259.3	1328.1	1402.4	1494.7	1589.2	1711.3	1837.8	1986.2
50°	965.1	1008.3	1025.5	1053.3	1093.0	1135.5	1187.6	1239.7	1305.1	1371.5	1447.9
52.5°	855.2	869.3	888.0	905.7	930.3	978.6	994.3	1021.4	1058.1	1094.1	1134.2
55°	771.3	780.5	792.7	803.3	818.2	832.5	853.1	871.2	895.7	917.3	943.9
57.5°	706.0	711.8	720.3	727.3	737.0	744.9	757.1	766.8	781.0	793.2	809.3
60°	658.6	662.4	668.2	672.7	678.9	683.0	689.0	693.6	701.1	707.3	716.3
62.5°	619.8	621.8	625.5	628.2	632.1	634.3	637.4	639.4	643.5	646.7	651.7
65°	573.3	573.7	576.2	577.3	580.5	581.6	584.2	585.1	588.4	590.8	595.2
67.5°	535.2	534.2	534.2	533.3	533.7	532.9	533.1	532.1	533.5	534.2	537.6
70°	500.4	499.0	498.4	496.8	496.3	494.7	494.2	492.8	492.6	492.1	493.3
72.5°	466.5	466.1	466.2	465.0	464.9	463.8	463.9	463.2	463.9	464.3	465.9
75°	427.5	427.6	428.4	427.4	427.7	426.7	427.1	426.2	426.7	426.5	428.0
77.5°	380.1	381.2	383.2	382.8	383.5	382.4	382.9	381.7	382.0	381.2	381.8
80°	326.7	329.0	331.9	331.8	332.9	332.2	333.2	332.1	332.5	331.1	330.8
82.5°	263.3	265.4	268.3	268.4	271.0	271.5	274.3	274.2	276.1	275.0	274.1
85°	180.0	181.4	184.0	185.5	188.1	189.7	192.5	193.6	191.6	195.3	192.4
87.5°	94.0	97.5	95.6	100.1	99.1	103.6	102.6	107.0	106.0	109.8	109.3
90°	78.6	81.4	86.6	89.4	95.2	98.4	97.6	93.7	92.8	89.1	88.2
92.5°	94.6	101.6	108.4	115.1	121.9	128.7	122.4	116.1	109.8	103.6	97.3
95°	129.3	139.2	149.1	159.0	168.9	178.8	168.2	157.6	147.0	136.4	125.7
97.5°	152.1	162.8	173.3	183.9	194.6	205.2	192.6	180.1	167.5	155.1	142.5
100°	215.9	236.5	257.0	277.6	298.2	318.7	295.4	271.9	248.5	225.1	201.6
102.5°	437.9	484.9	532.1	579.3	626.4	673.6	623.9	574.2	524.4	474.7	425.0
105°	820.9	896.4	971.8	1047.2	1122.6	1198.2	1117.6	1036.9	956.3	875.7	795.1
107.5°	1211.6	1285.1	1358.7	1432.2	1505.7	1579.4	1497.6	1415.8	1334.1	1252.2	1170.4
110°	1435.7	1479.8	1524.0	1568.0	1612.2	1656.4	1596.5	1536.8	1477.1	1417.2	1357.4



TEST NUMBER: P1444376  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	1478.0	1500.1	1521.9	1544.0	1565.9	1588.0	1545.1	1502.4	1459.4	1416.6	1373.8
115°	1385.7	1392.3	1399.2	1406.0	1412.8	1419.6	1390.6	1361.6	1332.6	1303.6	1274.6
117.5°	1216.0	1214.5	1212.8	1211.3	1209.6	1208.1	1191.7	1175.4	1158.8	1142.4	1126.0
120°	1043.9	1037.5	1031.1	1024.7	1018.4	1011.9	1004.9	997.7	990.4	983.3	976.0
122.5°	893.8	889.1	884.5	879.9	875.1	870.5	867.4	864.5	861.4	858.4	855.2
125°	774.3	773.5	772.8	772.1	771.3	770.6	768.8	767.0	765.1	763.4	761.5
127.5°	691.6	693.7	695.6	697.5	699.4	701.4	700.5	699.7	698.9	698.1	697.3
130°	638.9	643.0	646.9	650.7	654.4	658.5	657.2	655.8	654.7	653.4	652.1
132.5°	605.7	610.2	614.9	619.6	624.1	628.6	627.2	625.8	624.2	622.8	621.1
135°	581.8	586.1	590.4	594.9	599.1	603.4	601.6	600.0	598.1	596.5	594.7
137.5°	563.7	567.2	570.5	573.8	577.1	580.5	578.7	577.0	575.1	573.5	571.7
140°	548.9	551.6	554.0	556.8	559.2	561.8	559.8	557.8	555.8	553.7	551.7
142.5°	536.3	538.2	539.9	541.8	543.6	545.5	542.7	540.3	537.8	535.2	532.7
145°	527.9	529.1	530.1	531.2	532.0	533.2	530.3	527.5	524.6	521.9	518.8
147.5°	516.3	516.9	517.3	517.9	518.3	518.8	516.1	513.5	510.9	508.1	505.4
150°	504.0	504.7	505.0	505.5	506.0	506.4	503.7	501.0	498.2	495.4	492.8
152.5°	489.5	490.0	490.4	490.8	491.3	491.7	489.1	486.6	484.0	481.5	478.9
155°	478.2	478.5	478.6	478.9	478.9	479.1	476.9	474.9	472.7	470.7	468.5
157.5°	469.9	470.1	470.3	470.4	470.6	470.7	469.1	467.5	465.9	464.2	462.5
160°	463.7	463.8	464.0	464.1	464.3	464.4	463.0	461.7	460.4	459.0	457.5
162.5°	460.5	460.9	461.3	461.6	462.1	462.4	460.8	459.2	457.7	456.0	454.3
165°	457.3	457.5	457.7	457.9	457.9	458.1	456.9	455.9	454.7	453.5	452.4
167.5°	457.3	457.5	457.6	457.8	457.9	458.0	456.8	455.8	454.6	453.4	452.2
170°	455.7	456.1	456.5	456.8	457.2	457.4	456.5	455.7	454.7	453.8	452.8
172.5°	457.1	457.5	457.7	458.0	458.3	458.7	457.7	456.8	455.9	455.0	453.9
175°	454.9	455.0	455.1	455.1	455.1	455.2	454.5	453.7	453.0	452.3	451.5
177.5°	455.6	455.6	455.6	455.6	455.6	455.6	455.1	454.6	454.2	453.6	453.0
180°	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2



TEST NUMBER: P1444376  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5	15963.5
2.5°	16063.8	16056.8	16052.4	16046.6	16043.1	16038.7	16035.4	16032.6	16030.4	16028.3	16026.8
5°	16289.7	16253.8	16225.9	16195.8	16170.9	16146.2	16127.1	16111.4	16100.5	16092.3	16087.5
7.5°	16577.3	16511.6	16453.1	16391.6	16336.4	16282.1	16235.4	16195.2	16164.9	16145.3	16133.4
10°	16834.2	16746.2	16659.1	16567.5	16480.7	16396.5	16318.7	16250.2	16196.2	16160.1	16139.2
12.5°	16949.3	16874.3	16785.4	16685.9	16579.5	16471.8	16366.9	16272.2	16192.8	16139.5	16108.7
15°	16847.9	16817.1	16756.8	16679.6	16578.6	16467.3	16344.0	16228.2	16121.6	16052.5	16012.4
17.5°	16518.0	16560.9	16556.4	16526.8	16454.3	16360.5	16234.9	16104.9	15971.6	15879.1	15828.7
20°	15961.4	16096.4	16164.9	16200.1	16171.5	16110.8	15997.1	15865.0	15709.6	15589.0	15515.5
22.5°	15179.2	15417.6	15566.1	15674.8	15697.9	15677.1	15576.7	15451.2	15278.0	15133.1	15024.4
25°	14172.2	14521.5	14756.2	14940.3	15011.8	15030.3	14944.8	14819.9	14626.9	14458.1	14308.7
27.5°	12986.2	13440.0	13753.5	14000.8	14112.4	14160.8	14082.1	13954.7	13726.3	13524.7	13329.8
30°	11651.0	12189.3	12566.8	12863.2	12999.4	13063.3	12979.8	12837.5	12571.8	12329.2	12083.6
32.5°	10221.9	10811.0	11222.2	11544.3	11679.1	11739.2	11629.9	11470.2	11163.1	10877.3	10590.9
35°	8725.5	9320.2	9734.9	10048.4	10161.3	10197.7	10057.9	9873.3	9532.9	9219.3	8906.9
37.5°	7198.8	7752.0	8129.0	8410.3	8480.2	8486.5	8318.1	8114.2	7756.5	7447.2	7136.3
40°	5685.2	6151.8	6456.1	6681.3	6705.6	6683.9	6500.9	6295.7	5961.0	5683.9	5411.0
42.5°	4259.5	4611.7	4828.9	4983.1	4974.0	4931.2	4763.4	4586.9	4310.9	4099.9	3885.1
45°	3038.1	3270.4	3397.3	3487.6	3458.5	3417.8	3287.2	3163.5	2975.9	2839.6	2695.2
47.5°	2110.6	2387.9	2339.7	2516.1	2364.1	2464.6	2255.3	2140.0	2040.5	1968.1	1886.4
50°	1511.0	1574.5	1605.2	1626.2	1615.1	1599.7	1562.0	1528.4	1482.9	1449.8	1411.2
52.5°	1166.9	1198.7	1216.0	1228.7	1226.2	1220.6	1204.2	1189.2	1167.9	1153.9	1136.9
55°	988.4	988.9	1020.9	1007.2	1027.5	1003.7	1013.0	986.7	990.9	968.3	953.2
57.5°	821.3	834.3	840.2	845.9	844.3	843.3	837.0	833.7	826.6	824.5	819.3
60°	722.5	729.3	730.7	733.3	731.1	730.3	725.4	723.6	718.8	717.9	714.5
62.5°	654.7	658.2	658.2	658.2	655.3	652.6	647.1	644.2	640.1	639.3	637.3
65°	598.1	601.8	602.4	603.1	601.1	598.9	594.1	590.9	586.7	585.1	582.9
67.5°	539.7	543.5	544.9	546.9	545.7	545.3	541.9	540.7	537.9	537.3	535.2
70°	493.9	495.5	495.4	495.3	492.7	490.4	486.5	484.7	481.8	481.2	479.4
72.5°	466.7	467.8	467.1	466.1	462.6	459.2	454.8	451.4	447.6	445.3	442.5
75°	428.2	429.7	428.7	428.1	425.1	422.9	419.2	417.4	414.7	414.0	412.2
77.5°	381.1	381.8	380.2	380.1	377.8	376.4	373.6	373.1	371.2	371.2	369.5
80°	328.6	328.1	325.7	325.2	322.9	322.3	320.2	320.4	318.7	319.4	318.1
82.5°	270.4	268.9	265.7	264.7	262.0	261.8	260.4	261.5	260.6	262.0	261.2
85°	193.7	194.1	192.7	192.7	192.0	192.2	192.1	193.0	193.1	194.4	194.3
87.5°	108.1	109.6	109.3	110.7	110.6	112.2	112.8	115.1	115.4	117.6	117.6
90°	84.6	83.7	80.0	79.4	77.6	78.5	77.0	77.9	76.3	76.8	74.6
92.5°	91.0	84.7	78.5	72.1	69.0	65.8	62.8	59.4	56.4	53.2	49.9
95°	115.1	104.5	93.8	83.2	79.6	75.9	72.2	68.6	65.1	61.4	57.8
97.5°	130.0	117.3	104.8	92.2	89.1	86.0	82.7	79.6	76.4	73.3	70.1
100°	178.2	154.8	131.4	107.9	105.2	102.5	99.9	97.3	94.5	91.9	89.3
102.5°	375.3	325.5	275.8	226.0	216.6	207.1	197.8	188.3	178.8	169.4	160.0
105°	714.5	633.8	553.1	472.4	446.8	421.2	395.6	370.0	344.4	318.7	293.2
107.5°	1088.5	1006.6	924.8	842.9	795.7	748.4	701.0	653.5	606.3	558.9	511.5
110°	1297.7	1237.8	1178.0	1118.1	1080.0	1041.9	1003.7	965.5	927.5	889.2	851.0



TEST NUMBER: P1444376  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1331.0	1288.0	1245.1	1202.1	1184.9	1167.4	1150.2	1132.8	1115.4	1098.0	1080.7
115°	1245.5	1216.5	1187.4	1158.1	1152.1	1145.8	1139.7	1133.4	1127.2	1120.9	1114.6
117.5°	1109.6	1093.0	1076.5	1060.1	1060.9	1061.8	1062.7	1063.5	1064.2	1064.9	1065.8
120°	968.7	961.5	954.3	946.9	952.1	957.0	962.1	967.0	971.9	976.7	981.7
122.5°	852.2	849.0	846.0	842.8	849.0	854.9	861.0	866.9	872.9	878.6	884.5
125°	759.8	757.9	756.1	754.1	760.3	766.3	772.3	778.3	784.2	790.0	795.9
127.5°	696.5	695.6	694.8	693.9	698.1	702.3	706.4	710.3	714.6	718.4	722.2
130°	650.8	649.5	648.3	647.0	650.7	654.3	658.2	661.6	665.2	668.6	672.1
132.5°	619.7	618.1	616.7	615.2	617.8	620.2	622.8	625.0	627.5	629.6	631.8
135°	593.1	591.2	589.6	587.6	590.1	592.3	594.6	596.7	598.8	600.8	602.9
137.5°	570.1	568.2	566.5	564.6	566.8	568.8	570.7	572.5	574.4	576.2	577.9
140°	549.7	547.6	545.7	543.5	545.3	547.1	548.8	550.4	552.1	553.5	555.1
142.5°	530.0	527.4	525.1	522.4	523.7	524.8	526.0	527.1	528.3	529.3	530.3
145°	516.0	513.1	510.3	507.3	508.3	509.2	510.3	511.2	511.9	512.6	513.5
147.5°	502.8	500.0	497.3	494.6	495.4	496.0	496.5	497.1	497.8	498.3	498.7
150°	490.0	487.1	484.4	481.6	482.2	482.8	483.3	483.9	484.4	484.9	485.3
152.5°	476.3	473.7	471.1	468.5	469.0	469.5	469.9	470.4	470.9	471.3	471.7
155°	466.5	464.2	462.1	459.8	460.4	460.8	461.1	461.6	462.0	462.4	462.6
157.5°	460.8	459.1	457.5	455.7	455.8	456.1	456.2	456.3	456.4	456.6	456.6
160°	456.1	454.7	453.1	451.6	451.7	451.9	452.0	452.0	452.2	452.1	452.2
162.5°	452.5	450.9	449.2	447.4	447.5	447.7	447.8	447.9	448.0	448.0	448.0
165°	451.2	450.0	448.8	447.5	447.4	447.3	447.2	447.0	446.9	446.6	446.5
167.5°	451.0	449.8	448.5	447.2	447.3	447.6	447.7	447.8	447.9	447.9	448.0
170°	451.9	450.8	449.9	448.8	448.7	448.7	448.5	448.4	448.3	448.1	448.0
172.5°	452.9	451.9	451.0	449.8	449.8	449.8	449.7	449.6	449.4	449.3	449.3
175°	450.7	450.0	449.2	448.5	448.4	448.4	448.3	448.3	448.2	448.1	448.0
177.5°	452.5	452.1	451.5	451.0	451.0	451.0	450.9	450.8	450.8	450.8	450.7
180°	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2



TEST NUMBER: P1444376  
CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	15963.5	15963.5
2.5°	16025.3	16024.5
5°	16085.0	16084.0
7.5°	16130.3	16130.0
10°	16135.6	16138.3
12.5°	16103.4	16105.7
15°	16009.4	16013.7
17.5°	15829.6	15835.3
20°	15520.0	15526.0
22.5°	15018.6	15021.0
25°	14289.5	14279.1
27.5°	13295.5	13277.7
30°	12032.0	12014.8
32.5°	10525.5	10514.8
35°	8829.8	8822.9
37.5°	7044.4	7030.5
40°	5311.2	5270.8
42.5°	3791.0	3720.2
45°	2619.9	2535.9
47.5°	1828.9	1777.1
50°	1386.3	1369.5
52.5°	1129.6	1125.6
55°	953.1	951.4
57.5°	820.5	819.9
60°	716.3	716.1
62.5°	638.6	638.9
65°	583.9	584.0
67.5°	535.7	535.4
70°	480.1	479.7
72.5°	441.7	441.0
75°	412.2	411.7
77.5°	370.0	369.4
80°	319.0	318.1
82.5°	262.3	261.4
85°	195.7	195.7
87.5°	119.8	119.7
90°	75.0	72.5
92.5°	46.9	43.9
95°	54.2	50.6
97.5°	67.0	63.9
100°	86.6	83.9
102.5°	150.5	141.2
105°	267.6	242.0
107.5°	464.1	416.8
110°	812.9	774.7



TEST NUMBER: P1444376  
CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL40

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	1063.2	1045.8
115°	1108.2	1101.9
117.5°	1066.4	1067.1
120°	986.3	991.1
122.5°	890.1	896.0
125°	801.7	807.3
127.5°	726.1	729.8
130°	675.1	678.6
132.5°	633.9	635.9
135°	604.6	606.4
137.5°	579.5	581.0
140°	556.4	557.7
142.5°	531.1	532.0
145°	514.1	514.7
147.5°	499.0	499.5
150°	485.6	486.0
152.5°	471.9	472.3
155°	462.9	463.2
157.5°	456.6	456.6
160°	452.2	452.2
162.5°	448.0	448.1
165°	446.2	445.9
167.5°	448.0	448.1
170°	447.8	447.7
172.5°	449.1	449.0
175°	447.9	447.9
177.5°	450.7	450.6
180°	453.2	453.2



TEST NUMBER: P1444376  
 CATALOG NUMBER: EHBR1-18-UNV-TA-L840-UPL40

**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	13.58	14.52	14.23	15.16	15.90	11.95	12.90	12.61	13.54	14.28
	3H	15.12	15.97	15.79	16.62	17.39	14.38	15.22	15.05	15.88	16.65
	4H	15.91	16.70	16.60	17.37	18.16	15.49	16.28	16.18	16.95	17.74
	6H	16.67	17.40	17.37	18.08	18.88	16.53	17.26	17.23	17.93	18.73
	8H	16.99	17.67	17.70	18.37	19.17	16.97	17.65	17.68	18.35	19.15
	12H	17.23	17.89	17.94	18.57	19.40	17.32	17.97	18.03	18.66	19.49
4H	2H	13.94	14.74	14.63	15.40	16.19	12.66	13.45	13.35	14.11	14.90
	3H	15.81	16.47	16.51	17.17	17.98	15.28	15.93	15.97	16.64	17.44
	4H	16.81	17.41	17.53	18.12	18.95	16.53	17.12	17.24	17.83	18.67
	6H	17.77	18.28	18.50	19.01	19.86	17.71	18.22	18.44	18.95	19.80
	8H	18.15	18.63	18.89	19.36	20.21	18.21	18.68	18.94	19.41	20.27
	12H	18.46	18.88	19.21	19.64	20.50	18.62	19.04	19.37	19.79	20.65
8H	4H	17.19	17.66	17.92	18.39	19.25	16.94	17.42	17.68	18.15	19.00
	6H	18.34	18.73	19.11	19.51	20.37	18.29	18.68	19.06	19.45	20.31
	8H	18.85	19.20	19.63	19.98	20.85	18.89	19.24	19.68	20.02	20.89
	12H	19.28	19.58	20.05	20.34	21.28	19.42	19.72	20.19	20.48	21.42
12H	4H	17.23	17.65	17.98	18.41	19.27	16.99	17.42	17.75	18.17	19.03
	6H	18.46	18.80	19.24	19.58	20.45	18.41	18.75	19.19	19.53	20.40
	8H	19.04	19.34	19.82	20.10	21.04	19.07	19.37	19.85	20.14	21.08

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



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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-1

Test Date: 07/30/2025

Luminaire Tested: EHBR-60-L840-N

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

**Test Information**

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

**Spectral Parameters**

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

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



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

REPORT NUMBER: SP1-2506-472-1

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

REPORT NUMBER: SP1-2506-472-1

**CIE 1931 Chromaticity Diagram**



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



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-1

**Photopic Flux vs. Wavelength**



**Photopic Lumens: NR**

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

REPORT NUMBER: SP1-2506-472-1

**Scotopic Flux vs. Wavelength**



**Scotopic Lumens: NR**

**S/P: 1.55**

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

REPORT NUMBER: SP1-2506-472-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.99

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

**Summary**

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



**Color Vector Graphics**



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

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



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)