

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: P1444496

Luminaire Tested: EHBR1-60-UNV-TA-L830-UPL40

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444496
REPORT IS A COMBINATION OF REPORTS P1444362 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-60-UNV-TA-L830-UPL40
Description: Elevate Round Highbay at, 60000 lumens, 3000K 80CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

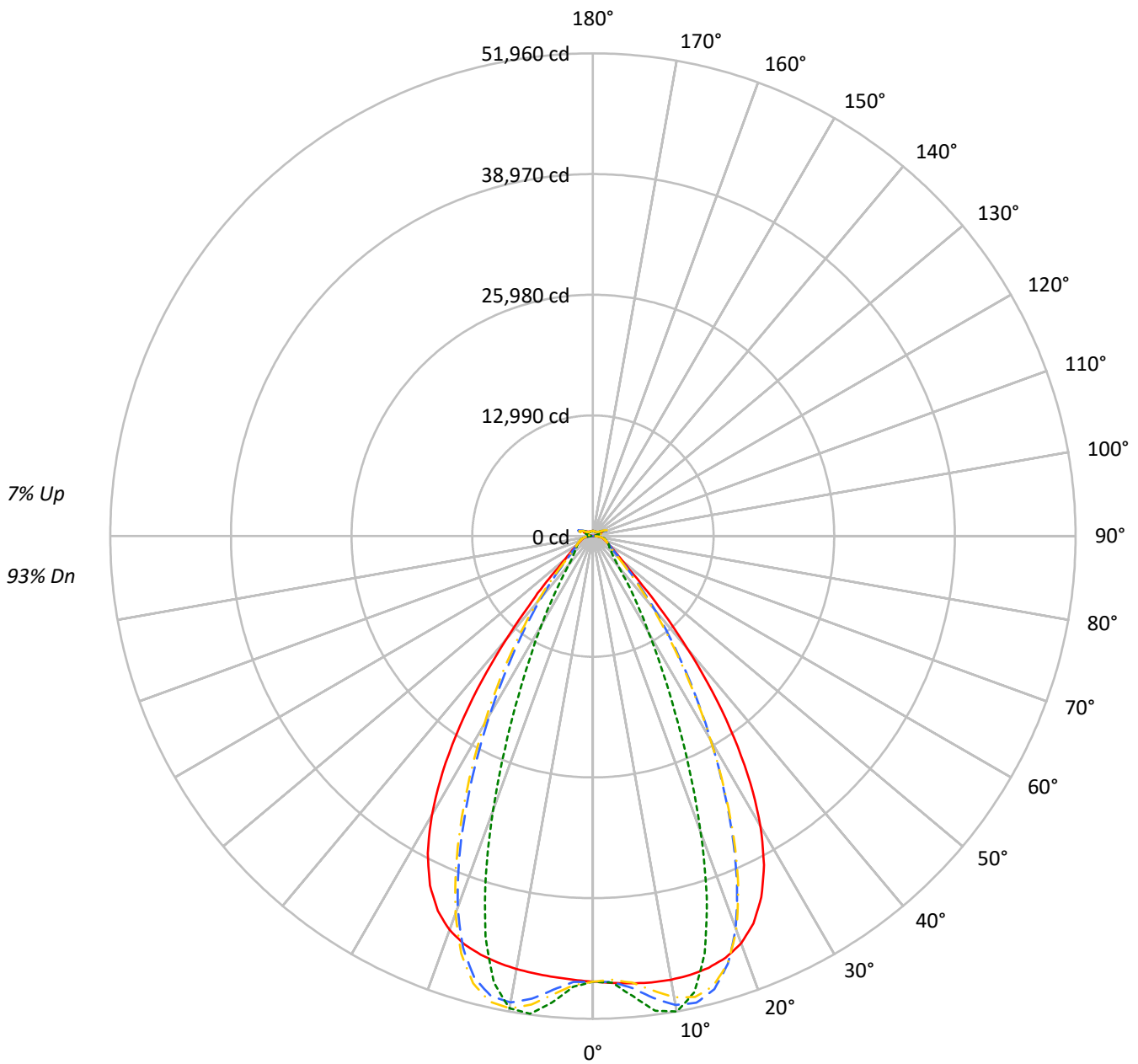
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 59163.5 lumens
Efficiency: N/A
Efficacy: 163.9 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 0.77 / 0.88
Luminous Opening: Vertical Cylinder (Dia: 1.71' x H: 0.1')
CIE Type: Direct

Input Watts (W): 361
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: P1444496
CATALOG NUMBER: EHBR1-60-UNV-TA-L830-UPL40

Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	225241	225241	225241	225241
5°	226332	232931	223164	235983
10°	228221	244560	222748	242942
15°	229340	221691	222359	212766
20°	226969	165153	219541	152806
25°	214836	104450	207736	94770
30°	187675	62767	180406	57363
35°	144436	39386	136128	34889
40°	91369	24706	83595	23216
45°	47093	19248	46313	18931
50°	27611	17120	26764	16853
55°	21153	16197	20370	16052
60°	17898	16546	17136	16331
65°	16810	17279	16167	16689
70°	16424	18092	15606	17413
75°	17560	19188	16612	18339
80°	18173	21248	16475	19397
85°	17114	20501	13829	17553

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 72070 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4726.9	8.0
10°-20°	13297.3	22.5
20°-30°	15144.6	25.6
30°-40°	10885.2	18.4
40°-50°	5020.3	8.5
50°-60°	2402.4	4.1
60°-70°	1752.9	3.0
70°-80°	1331.7	2.3
80°-90°	612.2	1.0
90°-100°	115.2	0.2
100°-110°	647.6	1.1
110°-120°	1196.0	2.0
120°-130°	735.6	1.2
130°-140°	478.0	0.8
140°-150°	358.6	0.6
150°-160°	252.5	0.4
160°-170°	153.6	0.3
170°-180°	52.8	0.1
0°-30°	33168.8	56.1
0°-40°	44054.0	74.5
0°-60°	51476.7	87.0
0°-90°	55173.4	93.3
90°-120°	1958.8	3.3
90°-150°	3531.0	6.0
90°-180°	3990.0	6.7
0°-180°	59163.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	47964	47964	47964	47964	47964	
5°	48325	49734	47649	50386	48325	4618
15°	48114	46510	46650	44637	48114	13556
25°	42903	20858	41485	18926	42903	19449
35°	26509	7229	24984	6403	26509	16269
45°	7620	3114	7493	3063	7620	6480
55°	2859	2189	2753	2169	2859	2639
65°	1755	1804	1688	1742	1755	1752
75°	1237	1352	1170	1292	1237	1286
85°	588	705	475	603	588	553
90°	159	202	46	56	159	99
95°	52	58	53	59	52	50
105°	235	302	158	302	235	311
115°	1045	1263	1094	1264	1045	965
125°	792	824	895	826	792	721
135°	630	554	678	559	630	492
145°	567	545	602	552	567	358
155°	534	534	568	539	534	248
165°	536	534	556	538	536	152
175°	551	556	561	557	551	53
180°	558	558	558	558	558	



TEST NUMBER: P1444496
 CATALOG NUMBER: EHBR1-60-UNV-TA-L830-UPL40

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5
2.5°	48146.7	48142.9	48142.2	48138.8	48137.8	48137.8	48136.3	48132.4	48129.9	48124.4	48118.2
5°	48325.4	48323.3	48324.5	48324.9	48321.5	48314.0	48302.3	48287.9	48269.8	48252.7	48237.4
7.5°	48463.5	48466.9	48471.2	48470.3	48459.8	48442.2	48418.2	48404.7	48412.7	48438.8	48498.6
10°	48488.7	48509.4	48517.4	48514.9	48494.0	48478.8	48484.7	48535.6	48636.6	48771.6	48956.2
12.5°	48390.5	48415.8	48414.8	48406.5	48386.3	48406.9	48480.4	48631.7	48848.5	49114.6	49426.8
15°	48114.4	48147.1	48137.8	48127.1	48113.5	48181.2	48328.3	48591.0	48925.9	49301.1	49685.3
17.5°	47578.4	47618.0	47598.8	47586.5	47575.1	47702.0	47954.6	48339.3	48761.1	49185.6	49549.7
20°	46648.8	46675.3	46629.6	46608.1	46626.2	46874.9	47246.9	47738.2	48182.9	48584.3	48833.1
22.5°	45131.7	45164.5	45078.6	45068.7	45174.7	45556.6	46027.3	46576.6	46994.4	47312.5	47408.3
25°	42902.6	42934.9	42832.9	42893.9	43074.1	43594.3	44155.1	44742.6	45098.9	45334.6	45269.5
27.5°	39893.8	39923.3	39826.6	39951.0	40236.0	40919.7	41579.5	42216.7	42534.4	42699.5	42490.3
30°	36099.2	36160.5	36046.2	36219.9	36654.8	37542.4	38298.4	39013.0	39329.8	39455.5	39129.8
32.5°	31592.3	31679.6	31553.5	31812.0	32418.8	33485.1	34343.9	35142.3	35492.6	35636.2	35268.3
35°	26509.1	26634.3	26489.8	26877.6	27626.2	28813.4	29764.4	30655.9	31070.7	31274.1	30903.5
37.5°	21123.7	21243.1	21164.8	21682.3	22504.2	23734.9	24705.6	25667.2	26135.9	26441.0	26148.8
40°	15836.5	15945.7	16004.8	16596.6	17369.7	18529.5	19461.9	20413.4	20937.6	21320.7	21140.5
42.5°	11177.5	11287.5	11488.7	12059.7	12704.4	13664.4	14463.2	15317.4	15818.2	16226.9	16157.4
45°	7619.5	7747.2	7999.3	8466.8	8933.1	9621.9	10208.3	10872.8	11281.8	11656.1	11660.6
47.5°	5339.3	5429.1	5654.3	5973.6	6277.5	7139.9	7175.2	7501.7	7776.7	8056.5	8092.8
50°	4115.0	4169.0	4288.4	4466.3	4638.6	4862.4	5067.4	5303.9	5473.2	5626.6	5663.2
52.5°	3382.2	3416.6	3477.3	3573.6	3673.6	3795.4	3905.0	4035.0	4127.0	4209.1	4226.4
55°	2858.6	2886.9	2977.4	2995.8	3110.1	3132.1	3180.8	3259.9	3313.4	3362.7	3375.0
57.5°	2463.4	2484.0	2503.2	2544.3	2579.4	2630.7	2671.9	2728.6	2762.4	2797.9	2800.9
60°	2151.6	2166.5	2180.2	2208.7	2232.6	2268.2	2296.6	2335.2	2359.4	2386.1	2389.1
62.5°	1919.6	1930.3	1939.4	1958.2	1975.2	2002.6	2025.2	2057.4	2080.0	2100.6	2105.2
65°	1754.6	1762.5	1768.3	1782.6	1797.5	1820.8	1841.2	1867.5	1884.1	1899.9	1903.3
67.5°	1608.5	1616.0	1622.0	1635.0	1645.3	1662.8	1676.4	1696.2	1708.7	1721.2	1721.6
70°	1441.1	1448.1	1452.6	1464.7	1473.1	1488.1	1499.0	1516.8	1529.6	1543.7	1547.3
72.5°	1325.2	1329.3	1335.5	1346.5	1358.0	1374.1	1388.9	1407.3	1422.8	1437.4	1443.6
75°	1237.0	1241.8	1245.9	1255.3	1263.3	1276.8	1287.9	1304.7	1318.2	1333.9	1341.6
77.5°	1109.7	1115.2	1118.8	1128.3	1135.2	1148.1	1156.3	1171.4	1182.4	1196.6	1203.6
80°	956.0	961.2	963.6	972.5	978.0	989.9	998.0	1012.5	1021.8	1036.0	1044.3
82.5°	785.5	790.5	791.9	800.2	803.3	813.1	819.0	833.9	845.3	863.7	876.6
85°	588.2	589.9	592.8	590.7	602.6	603.3	616.8	619.4	637.1	641.7	662.0
87.5°	359.6	364.9	367.6	375.8	379.4	387.5	390.0	398.8	403.5	413.5	418.1
90°	159.3	168.0	171.3	181.5	184.5	193.6	196.1	206.4	209.5	220.0	224.8
92.5°	46.3	49.2	51.9	55.5	58.4	62.4	65.8	69.1	72.2	76.0	82.0
95°	52.5	55.9	59.3	62.7	66.0	69.3	72.7	76.1	79.4	82.8	92.5
97.5°	65.8	68.7	71.6	74.5	77.4	80.4	83.3	86.2	89.1	91.8	103.5
100°	85.1	87.6	90.1	92.5	95.0	97.5	99.9	102.4	104.9	107.3	128.9
102.5°	139.7	148.4	157.2	165.9	174.6	183.2	192.1	200.6	209.4	218.2	264.0
105°	234.8	258.4	282.4	305.9	329.7	353.5	377.3	400.6	424.4	448.0	523.0
107.5°	399.1	442.9	486.8	530.8	574.8	618.5	662.4	706.3	750.0	793.6	869.6
110°	734.1	769.1	804.5	839.9	875.1	910.5	945.7	980.6	1016.0	1051.2	1106.6



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 CATALOG NUMBER: EHBR1-60-UNV-TA-L830-UPL40

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	989.0	1004.7	1020.7	1036.7	1052.6	1068.3	1084.2	1100.0	1116.0	1131.5	1171.2
115°	1044.7	1050.1	1055.9	1061.2	1066.8	1072.2	1077.6	1082.8	1088.5	1093.5	1120.3
117.5°	1016.8	1015.7	1014.6	1013.5	1012.1	1011.0	1009.8	1008.3	1007.0	1005.6	1020.5
120°	951.2	946.1	941.2	935.8	930.8	925.5	920.4	915.1	909.6	904.1	910.5
122.5°	868.1	862.0	856.2	849.8	843.7	837.2	831.1	824.3	818.3	811.8	813.9
125°	791.6	785.3	779.6	773.2	766.7	760.2	753.8	747.2	740.7	733.9	734.9
127.5°	725.7	721.4	717.1	712.2	707.6	702.7	697.8	692.9	688.2	682.9	683.0
130°	684.4	680.4	676.5	672.0	667.9	663.3	658.8	653.9	649.6	644.6	644.8
132.5°	651.1	648.4	645.5	642.2	639.0	635.2	631.9	628.0	624.5	620.9	621.0
135°	630.1	627.3	624.8	621.7	618.6	615.1	611.7	608.0	604.6	601.0	601.6
137.5°	612.6	610.2	607.6	604.7	601.9	598.4	595.4	591.9	588.7	585.2	585.6
140°	596.7	594.5	592.0	589.3	586.8	583.8	580.7	577.6	574.4	571.1	572.0
142.5°	578.3	576.3	574.6	572.2	570.1	567.4	564.9	562.0	559.6	556.7	558.0
145°	566.9	565.3	563.8	561.8	559.7	557.2	555.2	552.5	550.4	548.0	549.3
147.5°	557.0	555.7	554.4	552.8	551.3	549.1	547.1	545.0	543.1	541.0	542.5
150°	548.3	547.1	546.0	544.6	542.8	540.9	539.1	537.3	535.3	533.3	534.8
152.5°	538.8	537.5	536.5	535.0	533.5	531.4	530.1	528.1	526.4	524.5	525.7
155°	534.2	532.9	531.5	530.3	528.7	527.0	525.3	523.7	522.1	520.2	521.3
157.5°	532.2	530.9	530.0	528.6	527.6	526.1	524.7	523.3	522.0	520.7	521.3
160°	532.7	531.6	530.5	529.2	527.9	526.4	525.3	523.9	523.0	521.5	521.9
162.5°	533.6	532.4	531.2	530.0	528.8	527.4	526.1	525.1	523.9	522.5	523.2
165°	536.2	535.5	534.6	533.7	532.8	532.0	531.0	530.0	529.1	528.0	528.4
167.5°	542.7	541.7	540.9	539.8	538.6	537.8	536.5	535.5	534.7	533.5	533.8
170°	546.0	545.2	544.6	544.0	543.4	542.6	542.2	541.4	540.7	540.0	540.4
172.5°	549.9	549.3	548.9	548.5	547.8	547.5	546.9	546.4	546.0	545.4	546.1
175°	551.0	550.5	550.3	549.9	549.6	549.2	549.0	548.7	548.7	548.2	548.4
177.5°	554.9	554.7	554.7	554.5	554.5	554.4	554.3	553.9	553.7	553.7	554.0
180°	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5
2.5°	48113.5	48107.7	48099.6	48089.5	48080.8	48070.7	48046.7	48039.6	48047.5	48052.9	48063.9
5°	48227.9	48231.2	48232.5	48254.3	48273.2	48320.2	48689.3	48836.0	48949.3	49021.3	49130.7
7.5°	48572.5	48683.4	48793.1	48940.6	49067.9	49239.8	49885.5	50160.2	50355.6	50496.0	50668.8
10°	49156.6	49398.7	49625.7	49891.6	50120.2	50382.1	50983.1	51250.8	51419.9	51542.9	51657.7
12.5°	49745.0	50080.8	50384.3	50680.2	50927.6	51154.6	51366.0	51459.7	51467.7	51471.6	51410.6
15°	50051.4	50372.5	50639.8	50835.6	50980.9	51045.3	50681.4	50490.5	50249.3	50050.6	49723.7
17.5°	49858.0	50050.6	50166.1	50154.8	50094.6	49893.4	48862.8	48295.9	47733.1	47226.0	46561.0
20°	48998.2	48983.5	48883.1	48598.4	48255.6	47722.3	45955.4	44935.9	43950.3	43084.6	42034.3
22.5°	47398.6	47146.9	46796.0	46182.4	45500.6	44569.0	42036.9	40537.3	39165.2	37953.0	36595.2
25°	45080.8	44563.0	43915.7	42941.6	41882.2	40523.4	37402.5	35537.3	33889.8	32461.0	30894.3
27.5°	42114.5	41334.5	40386.0	39037.7	37602.5	35861.7	32401.6	30343.2	28574.7	27042.8	25375.2
30°	38602.7	37588.3	36363.5	34690.1	32958.9	30984.5	27475.3	25390.3	23600.3	22024.3	20355.4
32.5°	34634.1	33445.9	32010.7	30132.5	28260.4	26230.4	22841.3	20823.1	19113.2	17597.0	16086.6
35°	30257.0	28982.8	27464.4	25548.7	23687.8	21714.1	18604.3	16784.7	15274.6	13934.5	12714.9
37.5°	25561.7	24310.6	22867.4	21061.9	19336.2	17547.7	14864.5	13339.7	12072.5	10960.2	10018.5
40°	20679.9	19585.1	18336.4	16775.4	15302.7	13813.3	11610.7	10400.3	9400.2	8552.0	7846.2
42.5°	15857.8	15009.4	14051.9	12818.3	11691.3	10557.3	8862.0	7965.2	7224.5	6613.8	6114.9
45°	11505.4	10937.9	10295.6	9438.1	8658.3	7867.2	6660.7	6030.4	5548.0	5154.2	4821.3
47.5°	8042.9	7713.6	7693.6	6901.1	6329.2	5845.6	5068.3	4670.2	4374.6	4136.0	3925.3
50°	5648.3	5489.0	5291.2	5008.3	4742.9	4469.6	3996.0	3755.4	3582.2	3437.6	3304.3
52.5°	4222.5	4139.8	4034.4	3884.3	3740.6	3586.8	3287.1	3133.9	3079.5	2944.9	2839.4
55°	3372.6	3325.1	3265.3	3177.0	3089.6	3054.6	2797.8	2684.0	2612.0	2558.8	2502.1
57.5°	2801.5	2766.1	2730.5	2670.8	2620.2	2558.8	2422.5	2364.2	2321.4	2290.1	2250.8
60°	2389.6	2368.5	2348.5	2313.5	2286.1	2253.1	2166.5	2133.6	2111.2	2092.4	2067.3
62.5°	2109.1	2098.2	2087.9	2069.3	2055.4	2037.4	1978.2	1962.5	1951.3	1941.8	1926.5
65°	1906.7	1898.8	1893.1	1880.7	1873.8	1863.3	1812.4	1801.8	1794.8	1791.5	1782.6
67.5°	1722.7	1714.5	1710.7	1701.9	1699.0	1692.4	1650.9	1645.0	1642.7	1643.7	1640.6
70°	1550.6	1547.3	1548.9	1547.5	1551.5	1552.7	1527.5	1527.3	1529.9	1535.3	1535.8
72.5°	1447.5	1447.5	1449.5	1450.3	1454.1	1455.8	1434.9	1433.8	1435.0	1439.0	1439.2
75°	1349.3	1350.9	1356.3	1358.0	1362.5	1363.4	1335.7	1332.5	1332.7	1336.4	1335.2
77.5°	1213.6	1219.4	1229.5	1234.9	1243.4	1245.0	1213.9	1210.1	1210.3	1214.1	1210.9
80°	1059.4	1070.7	1086.8	1098.0	1111.1	1116.5	1084.5	1076.8	1069.7	1068.7	1062.3
82.5°	895.7	909.5	928.7	939.0	953.0	956.2	902.6	892.5	886.5	887.0	881.2
85°	683.8	694.1	711.7	717.4	726.1	725.4	664.3	638.2	645.1	634.2	642.8
87.5°	428.9	435.0	446.0	447.4	451.5	450.7	389.1	377.0	373.5	373.7	369.3
90°	236.3	242.0	253.2	254.9	262.9	263.6	215.4	211.3	205.6	206.6	199.1
92.5°	88.5	94.4	100.8	106.8	113.1	119.3	119.8	124.2	118.5	111.8	106.2
95°	102.4	112.2	122.1	132.0	141.8	151.7	161.6	171.4	162.2	152.9	143.7
97.5°	115.1	126.8	138.3	150.0	161.6	173.3	184.9	196.6	186.8	176.5	166.6
100°	150.7	172.4	194.0	215.8	237.4	259.1	280.9	302.7	283.5	264.2	245.0
102.5°	310.0	356.2	402.2	448.2	494.3	540.6	586.8	633.0	589.2	545.1	501.1
105°	597.6	672.4	747.1	821.5	896.2	971.0	1046.2	1121.0	1050.8	980.6	910.5
107.5°	945.3	1021.2	1096.7	1172.3	1248.2	1323.9	1400.4	1476.3	1407.8	1339.0	1270.6
110°	1161.9	1216.9	1272.1	1327.3	1382.4	1437.6	1494.0	1549.2	1508.0	1466.7	1425.6



TEST NUMBER: P1444496
 CATALOG NUMBER: EHBR1-60-UNV-TA-L830-UPL40

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	1210.3	1249.9	1289.4	1328.5	1367.7	1407.2	1448.2	1487.9	1467.0	1445.9	1425.3
115°	1146.5	1173.3	1199.5	1226.0	1252.4	1278.7	1307.0	1334.0	1327.0	1320.1	1313.4
117.5°	1035.1	1049.8	1064.5	1079.0	1093.4	1108.1	1125.4	1140.3	1140.9	1141.8	1142.8
120°	916.4	922.5	928.4	934.5	940.1	946.1	955.0	961.5	966.8	971.7	977.0
122.5°	815.9	818.0	819.9	822.0	823.8	825.8	831.1	834.0	837.3	840.8	844.3
125°	735.7	736.4	737.2	738.0	738.4	739.2	744.0	745.3	745.2	745.0	744.8
127.5°	682.6	682.5	682.2	682.1	681.5	681.3	685.3	685.9	683.1	680.3	677.4
130°	645.0	645.1	645.1	645.2	645.4	645.5	650.1	651.4	646.7	641.8	637.2
132.5°	621.2	621.6	621.6	622.3	622.4	622.6	627.8	629.2	624.1	618.6	613.3
135°	601.7	602.4	602.8	603.2	603.6	604.5	610.1	611.9	607.0	601.6	596.6
137.5°	585.8	586.4	586.8	587.6	588.0	588.6	595.0	596.9	592.9	588.4	584.6
140°	572.6	573.3	574.0	575.0	575.6	576.8	583.7	585.9	582.8	579.4	575.9
142.5°	558.8	560.3	561.7	563.1	564.5	566.1	574.1	577.0	574.6	571.8	569.4
145°	550.6	552.5	553.9	555.8	557.5	559.5	568.5	572.0	570.4	568.5	566.7
147.5°	543.4	545.0	546.5	548.1	549.7	551.9	561.3	564.6	563.8	562.4	561.4
150°	536.0	537.7	539.1	540.9	542.8	544.9	555.5	559.4	558.6	557.5	556.5
152.5°	527.0	528.3	529.7	531.4	532.9	534.8	547.6	551.8	551.2	549.9	549.3
155°	522.1	523.2	524.0	525.4	526.4	528.2	541.9	546.1	545.5	545.0	544.3
157.5°	521.7	522.2	522.8	523.6	524.5	525.3	539.7	544.1	543.4	542.9	542.4
160°	522.2	522.7	523.0	523.6	524.0	524.7	539.5	543.6	543.2	542.4	541.9
162.5°	523.7	524.7	525.2	526.0	526.6	527.6	542.5	547.1	546.3	545.4	544.7
165°	528.7	528.9	529.1	529.6	529.9	530.5	544.4	548.2	547.8	547.1	546.6
167.5°	534.1	534.7	534.9	535.5	535.9	536.6	549.7	553.3	552.9	552.3	551.9
170°	540.6	541.1	541.2	541.8	542.4	543.1	553.9	557.0	556.6	555.6	555.0
172.5°	546.4	547.1	547.6	548.3	548.7	549.5	558.7	561.6	561.2	560.5	559.9
175°	548.9	549.3	549.8	550.5	551.0	551.4	558.7	560.7	560.5	560.2	559.9
177.5°	554.4	554.6	555.1	555.6	556.0	556.4	560.8	562.1	561.9	561.9	561.8
180°	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3



TEST NUMBER: P1444496
 CATALOG NUMBER: EHBR1-60-UNV-TA-L830-UPL40

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5
2.5°	48066.5	48083.3	48085.8	48105.5	48103.9	48127.4	48123.7	48142.9	48131.7	48147.5	48134.2
5°	49195.4	49297.8	49351.3	49451.2	49482.8	49572.2	49597.4	49679.0	49682.4	49747.1	49732.4
7.5°	50791.4	50942.3	51032.0	51155.5	51218.1	51321.0	51366.3	51442.5	51466.9	51527.4	51532.0
10°	51744.6	51817.8	51869.0	51903.5	51935.0	51949.8	51967.0	51962.3	51967.0	51960.2	51975.0
12.5°	51369.7	51262.7	51192.0	51057.9	50980.3	50832.2	50759.5	50617.1	50565.3	50443.1	50425.5
15°	49471.1	49098.2	48834.7	48451.5	48210.6	47833.6	47613.0	47272.9	47117.6	46847.2	46776.2
17.5°	46010.5	45318.3	44782.6	44095.3	43618.4	42976.1	42572.3	42040.6	41749.4	41320.7	41172.2
20°	41158.9	40134.7	39331.0	38373.8	37688.7	36835.1	36288.7	35599.5	35199.4	34672.8	34459.4
22.5°	35463.0	34187.7	33184.1	32053.2	31226.7	30275.5	29620.8	28875.1	28439.8	27867.7	27614.5
25°	29592.1	28185.9	27070.1	25878.6	25005.3	24051.8	23396.9	22664.4	22214.0	21670.9	21419.2
27.5°	23977.3	22553.8	21475.5	20367.7	19566.6	18706.3	18115.4	17475.8	17076.0	16612.4	16375.6
30°	19022.3	17766.7	16849.2	15929.9	15263.4	14564.6	14073.7	13543.6	13192.9	12795.9	12570.4
32.5°	14985.4	14016.1	13297.6	12568.1	12022.7	11438.7	11014.5	10546.8	10230.2	9875.7	9671.5
35°	11868.2	11115.1	10542.0	9941.5	9472.9	8975.5	8601.7	8198.1	7914.0	7608.8	7432.4
37.5°	9377.1	8778.3	8306.6	7807.8	7423.0	7011.0	6872.2	6408.9	6114.6	5871.0	5702.3
40°	7359.2	6883.0	6492.8	6111.4	5797.4	5484.9	5234.1	4986.7	4796.6	4622.5	4501.9
42.5°	5746.9	5401.9	5117.0	4837.5	4608.6	4380.9	4199.2	4028.7	3900.7	3786.8	3709.1
45°	4568.6	4331.2	4133.2	3936.4	3774.8	3622.9	3500.6	3391.8	3309.1	3240.7	3192.2
47.5°	3753.2	3590.7	3451.0	3318.2	3208.5	3109.0	3027.1	3000.4	2911.5	2851.6	2828.9
50°	3189.7	3091.6	2985.5	2887.5	2814.2	2741.4	2688.3	2636.2	2602.9	2575.4	2567.1
52.5°	2769.1	2694.1	2635.1	2573.0	2524.7	2472.8	2436.2	2401.5	2383.2	2368.8	2367.1
55°	2456.4	2404.0	2364.9	2323.3	2294.4	2263.9	2244.9	2226.6	2218.6	2211.3	2211.9
57.5°	2219.8	2184.9	2159.4	2132.4	2116.8	2102.2	2097.4	2092.8	2095.2	2096.3	2100.4
60°	2047.5	2024.7	2008.7	1993.2	1986.7	1982.0	1985.5	1989.7	1998.0	2004.7	2010.8
62.5°	1915.4	1902.4	1894.6	1886.2	1885.5	1885.9	1893.0	1899.9	1910.3	1918.2	1924.1
65°	1779.4	1771.9	1769.4	1764.1	1766.7	1768.3	1776.8	1782.2	1792.7	1798.9	1806.3
67.5°	1642.0	1640.2	1641.8	1641.8	1646.5	1650.7	1658.8	1664.9	1673.8	1679.4	1685.5
70°	1540.4	1541.2	1544.9	1545.6	1550.7	1553.6	1560.7	1564.6	1572.6	1577.4	1584.7
72.5°	1441.8	1440.2	1441.1	1438.8	1440.6	1439.8	1443.7	1445.7	1452.5	1456.2	1465.1
75°	1336.8	1332.3	1331.3	1326.5	1326.6	1323.2	1324.8	1324.7	1329.1	1330.9	1337.2
77.5°	1209.9	1202.4	1198.8	1190.8	1190.7	1187.6	1190.8	1192.8	1200.6	1204.3	1211.6
80°	1058.0	1046.3	1041.0	1031.7	1033.3	1032.8	1040.6	1046.5	1056.0	1057.8	1067.1
82.5°	879.4	867.5	861.8	852.7	854.8	855.0	862.1	863.4	871.7	875.3	885.9
85°	629.7	634.2	621.6	622.5	619.8	624.8	629.7	635.7	642.6	654.2	663.0
87.5°	370.8	369.3	373.7	374.2	380.6	384.0	394.3	400.2	411.7	420.8	437.1
90°	197.9	190.5	192.6	189.1	193.9	190.6	195.1	191.1	196.9	196.4	204.1
92.5°	99.3	93.4	86.6	80.7	74.1	68.5	64.9	62.5	59.1	56.9	53.2
95°	134.5	125.2	116.1	106.9	97.7	88.5	85.1	81.8	78.4	75.0	71.8
97.5°	156.8	146.9	137.0	127.0	117.1	107.3	105.0	102.8	100.5	98.3	96.0
100°	225.9	206.8	187.8	168.5	149.5	130.4	128.6	126.8	125.1	123.3	121.4
102.5°	457.4	413.6	369.8	325.9	282.1	238.2	230.6	222.9	215.3	207.7	200.1
105°	840.1	770.0	699.8	629.7	559.7	489.6	468.7	447.6	426.7	405.8	385.0
107.5°	1202.1	1133.6	1065.3	996.9	928.6	860.2	827.0	794.0	760.7	727.7	694.9
110°	1384.0	1342.8	1301.8	1260.5	1219.5	1178.5	1146.7	1115.3	1083.6	1052.1	1020.6



TEST NUMBER: P1444496
 CATALOG NUMBER: EHBR1-60-UNV-TA-L830-UPL40

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	1404.5	1383.7	1362.8	1342.3	1321.8	1301.0	1285.5	1270.1	1254.8	1239.4	1223.7
115°	1306.3	1299.7	1292.8	1286.2	1279.7	1272.9	1271.6	1270.6	1269.1	1268.1	1267.0
117.5°	1143.5	1144.5	1145.1	1146.3	1147.4	1148.4	1156.5	1164.2	1172.4	1180.7	1189.1
120°	982.0	987.3	992.3	997.7	1002.9	1008.4	1018.9	1029.7	1040.5	1051.7	1062.9
122.5°	847.5	851.0	854.3	857.9	861.5	865.1	875.4	886.1	896.7	907.6	918.7
125°	744.1	743.8	743.6	743.1	742.8	742.8	751.2	759.9	768.6	777.7	786.5
127.5°	674.5	671.3	668.3	665.6	662.4	659.9	664.6	669.5	674.3	679.6	684.6
130°	632.4	627.6	622.5	617.9	612.9	608.3	609.8	611.5	613.1	614.9	616.8
132.5°	607.6	602.3	596.7	591.1	585.5	580.1	579.4	578.9	578.2	578.0	577.9
135°	591.3	586.3	580.8	575.5	570.0	565.0	563.2	561.4	559.8	558.2	556.8
137.5°	580.3	576.0	571.7	567.6	563.0	558.7	556.1	554.3	551.8	550.3	548.2
140°	572.3	569.1	565.3	561.8	558.3	554.9	552.7	551.0	549.0	547.5	545.7
142.5°	566.5	563.8	561.1	558.6	555.7	553.1	551.1	549.4	547.6	546.1	544.3
145°	564.8	563.1	561.1	559.2	557.3	555.6	553.8	552.5	551.1	549.7	548.6
147.5°	560.2	558.7	557.5	556.2	554.7	553.5	552.2	551.5	550.1	549.4	548.3
150°	555.2	554.1	552.8	551.9	550.3	549.3	548.4	547.8	546.9	546.6	545.8
152.5°	547.9	547.0	545.8	544.9	543.6	542.5	541.8	541.3	540.7	540.2	539.4
155°	543.4	542.7	541.8	541.0	540.0	539.5	538.6	537.7	537.0	536.3	535.4
157.5°	541.6	540.9	540.0	539.5	538.4	537.8	537.0	536.3	535.4	534.9	534.0
160°	541.2	540.7	539.8	539.1	538.4	537.7	536.5	535.8	534.7	534.0	532.8
162.5°	543.8	542.8	542.0	541.1	539.9	539.3	538.3	537.6	536.9	536.2	535.3
165°	545.8	545.2	544.4	543.8	543.2	542.4	541.4	540.6	539.5	538.8	537.7
167.5°	551.2	550.7	549.9	549.4	548.5	547.8	547.0	546.1	545.2	544.2	543.1
170°	554.5	553.5	552.9	552.1	551.3	550.3	549.7	548.6	547.7	547.1	546.0
172.5°	559.3	558.8	558.1	557.5	556.6	556.0	555.5	554.7	554.0	553.1	552.6
175°	559.7	559.5	559.3	558.7	558.6	558.3	557.9	557.7	557.3	557.2	556.7
177.5°	561.8	561.7	561.7	561.3	561.1	561.1	560.7	560.4	560.1	559.7	559.4
180°	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3



TEST NUMBER: P1444496
 CATALOG NUMBER: EHBR1-60-UNV-TA-L830-UPL40

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5
2.5°	48148.1	48135.8	48141.6	48119.0	48124.4	48097.2	48094.7	48063.9	48060.9	48031.9	48021.1
5°	49778.2	49751.4	49781.6	49734.5	49743.7	49682.4	49677.2	49598.0	49570.6	49471.4	49428.6
7.5°	51569.9	51559.7	51578.2	51538.8	51537.5	51482.7	51460.2	51389.1	51345.0	51240.9	51174.4
10°	51962.3	51971.6	51956.5	51960.2	51938.9	51933.0	51911.2	51897.3	51861.5	51834.6	51794.8
12.5°	50332.5	50342.3	50280.1	50319.5	50288.4	50361.1	50355.2	50440.9	50454.0	50562.5	50603.5
15°	46565.6	46553.9	46434.6	46509.7	46469.5	46629.1	46664.8	46879.6	46994.4	47270.1	47439.4
17.5°	40875.2	40844.4	40676.5	40768.0	40721.5	40956.8	41035.7	41379.1	41593.3	42037.5	42354.1
20°	34092.0	34033.1	33836.5	33943.7	33895.7	34163.1	34275.8	34690.8	34967.1	35555.4	35974.0
22.5°	27224.4	27131.5	26938.9	27039.0	26993.7	27270.6	27417.3	27833.7	28150.2	28754.2	29242.8
25°	21057.4	20974.6	20788.5	20858.5	20841.7	21075.9	21206.4	21600.3	21911.2	22486.6	22953.0
27.5°	16061.0	15974.8	15806.7	15856.2	15839.2	16038.8	16161.8	16490.9	16758.4	17242.7	17652.3
30°	12292.3	12188.4	12045.8	12073.1	12061.4	12223.2	12338.0	12615.1	12844.4	13253.9	13606.7
32.5°	9422.1	9317.5	9186.6	9199.3	9182.1	9309.0	9403.6	9644.6	9844.4	10192.5	10499.7
35°	7209.2	7331.3	7051.5	7228.8	7044.2	7315.1	7217.7	7368.2	7540.1	7833.4	8089.6
37.5°	5542.1	5457.0	5385.0	5377.4	5377.0	5439.7	5513.9	5658.9	5810.4	6028.8	6254.6
40°	4391.9	4332.2	4285.5	4282.2	4285.5	4330.2	4384.9	4485.2	4596.1	4753.0	4918.9
42.5°	3642.7	3603.0	3574.9	3573.0	3581.8	3613.4	3651.5	3711.1	3783.3	3884.9	3998.7
45°	3152.7	3130.7	3115.0	3114.2	3118.2	3134.8	3156.6	3193.8	3239.5	3302.9	3375.0
47.5°	2808.9	2803.6	2793.8	2794.2	2789.7	2796.5	2799.0	2819.8	2844.1	2892.0	2985.9
50°	2558.6	2558.6	2551.9	2551.5	2545.1	2544.8	2539.4	2547.7	2559.0	2588.7	2618.8
52.5°	2360.8	2360.1	2352.8	2351.4	2344.7	2344.3	2339.6	2342.9	2344.5	2359.4	2377.4
55°	2206.1	2201.5	2191.9	2188.9	2186.3	2190.1	2188.3	2188.5	2186.7	2192.8	2198.2
57.5°	2095.2	2089.2	2080.1	2077.4	2076.8	2081.4	2081.6	2080.0	2071.6	2065.9	2057.9
60°	2007.5	2001.4	1991.6	1989.1	1990.5	1997.0	1996.6	1991.3	1978.8	1967.9	1955.4
62.5°	1921.2	1918.8	1913.8	1913.0	1911.8	1912.9	1908.5	1902.7	1890.5	1878.9	1865.2
65°	1805.5	1806.7	1803.0	1803.5	1799.1	1798.4	1791.6	1786.1	1773.7	1763.2	1749.1
67.5°	1685.3	1686.3	1683.2	1683.2	1680.9	1681.2	1677.2	1672.0	1661.5	1653.0	1642.1
70°	1586.3	1588.8	1587.1	1587.5	1584.7	1583.7	1577.2	1572.3	1561.4	1554.3	1544.5
72.5°	1467.7	1473.1	1472.9	1474.2	1469.9	1467.7	1460.1	1453.9	1444.1	1438.4	1430.6
75°	1339.8	1346.7	1348.7	1351.7	1345.7	1342.4	1334.1	1329.1	1321.1	1317.8	1312.6
77.5°	1214.8	1222.4	1229.7	1236.5	1226.7	1218.0	1207.5	1199.5	1188.1	1183.7	1175.7
80°	1074.6	1088.1	1104.2	1117.8	1100.2	1082.4	1065.1	1052.3	1037.2	1031.0	1021.0
82.5°	891.5	905.3	914.6	923.3	911.0	898.0	881.3	870.1	853.8	847.7	836.2
85°	677.2	694.5	700.0	704.6	696.8	689.9	674.2	653.1	642.8	626.6	618.2
87.5°	445.5	455.8	457.8	459.4	454.5	451.1	441.0	431.1	413.5	400.6	385.0
90°	201.9	206.9	201.1	201.9	197.6	199.8	191.4	189.8	177.1	173.4	162.3
92.5°	50.7	47.2	44.5	41.4	45.1	47.4	51.0	53.2	56.7	59.1	62.5
95°	68.4	65.0	61.6	58.3	61.0	63.6	66.3	69.0	71.7	74.4	77.1
97.5°	93.8	91.5	89.3	87.0	88.6	90.2	91.7	93.3	94.9	96.5	98.2
100°	119.6	117.8	116.1	114.3	114.3	114.3	114.3	114.3	114.3	114.3	114.3
102.5°	192.4	184.8	177.1	169.5	174.7	179.8	185.0	190.2	195.4	200.5	205.9
105°	364.1	343.2	322.4	301.5	321.7	341.9	362.0	382.3	402.4	423.0	443.2
107.5°	661.7	628.7	595.7	562.8	599.8	636.5	673.3	710.1	746.8	783.7	820.8
110°	989.3	957.9	926.5	895.1	934.2	973.1	1012.2	1051.2	1090.3	1129.3	1168.7



TEST NUMBER: P1444496
 CATALOG NUMBER: EHBR1-60-UNV-TA-L830-UPL40

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	1208.4	1193.3	1178.0	1162.7	1187.8	1212.9	1238.0	1263.5	1288.7	1314.0	1339.1
115°	1266.0	1265.0	1264.2	1263.2	1275.1	1287.0	1298.9	1311.0	1323.0	1334.9	1347.1
117.5°	1197.2	1205.5	1214.1	1222.6	1226.4	1230.3	1234.2	1238.0	1242.3	1246.2	1250.3
120°	1074.1	1085.1	1096.5	1107.9	1106.3	1104.8	1103.3	1101.8	1100.7	1099.3	1098.6
122.5°	929.8	940.9	952.4	963.6	960.2	956.8	953.7	950.5	947.6	944.6	941.8
125°	795.9	805.0	814.6	824.0	820.7	817.3	814.1	811.2	808.2	805.2	802.7
127.5°	690.4	696.2	701.6	707.5	705.9	704.3	703.4	702.0	700.8	700.0	699.3
130°	619.1	621.4	624.1	626.6	627.0	627.5	628.3	629.2	630.4	631.3	632.8
132.5°	578.2	578.2	578.7	579.2	580.9	582.7	585.1	587.2	589.9	592.2	595.5
135°	555.8	554.9	554.1	553.6	556.3	558.8	561.7	564.8	568.5	572.0	575.8
137.5°	546.8	545.2	544.2	542.8	545.5	548.2	551.3	554.3	557.6	561.3	565.2
140°	544.4	543.1	542.4	541.1	543.9	546.4	549.4	552.5	555.8	559.5	563.1
142.5°	543.2	541.7	540.9	540.1	542.2	544.7	547.7	550.3	553.5	556.5	560.0
145°	547.4	546.4	545.7	545.0	546.6	548.3	550.4	552.6	554.9	557.1	560.0
147.5°	547.6	546.9	546.6	546.0	547.3	548.5	550.0	551.3	553.3	555.0	557.0
150°	545.6	544.9	544.7	544.5	545.3	545.9	547.0	547.7	549.0	550.0	551.6
152.5°	539.3	538.6	538.7	538.3	538.9	539.5	540.5	541.2	542.3	543.1	544.6
155°	535.0	534.5	534.0	533.5	533.5	533.6	534.0	534.1	534.8	535.0	535.6
157.5°	533.6	532.9	532.6	531.9	531.7	531.4	531.5	531.4	531.6	531.3	531.5
160°	532.2	531.2	530.4	529.6	529.8	529.5	529.7	529.5	529.8	529.9	530.1
162.5°	534.8	534.1	533.5	532.8	532.4	531.8	531.4	530.6	530.4	530.0	529.8
165°	536.7	535.8	535.0	533.9	533.7	533.5	533.2	532.8	532.7	532.4	532.4
167.5°	542.4	541.4	540.6	539.7	539.2	538.1	537.8	537.1	536.5	535.9	535.7
170°	545.4	544.5	543.9	543.1	542.8	542.3	542.1	541.5	541.3	541.1	541.1
172.5°	552.0	551.3	550.6	550.0	549.8	549.4	549.2	549.0	548.6	548.6	548.4
175°	556.5	556.1	555.9	555.6	555.2	554.9	554.5	554.3	554.1	553.7	553.5
177.5°	558.9	558.6	558.3	558.1	557.9	557.9	557.9	557.9	557.9	557.7	557.5
180°	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3



TEST NUMBER: P1444496
 CATALOG NUMBER: EHBR1-60-UNV-TA-L830-UPL40

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5
2.5°	47990.0	47977.4	47944.1	47927.7	47897.0	47881.6	47857.6	47842.1	47822.7	47808.3	47800.8
5°	49319.6	49258.3	49135.3	49059.6	48926.7	48839.3	48707.5	48610.7	48474.6	48374.1	48245.5
7.5°	51049.6	50955.4	50797.8	50678.4	50492.6	50350.6	50142.1	49975.4	49745.0	49553.8	49318.4
10°	51753.8	51698.9	51628.2	51551.4	51448.5	51347.5	51205.1	51060.1	50866.7	50674.4	50422.9
12.5°	50712.9	50764.7	50866.7	50914.2	50992.4	51018.8	51054.6	51037.8	51006.2	50927.6	50813.6
15°	47764.8	47980.8	48322.0	48558.1	48888.9	49121.2	49428.6	49626.5	49854.4	49990.5	50119.9
17.5°	42915.1	43332.9	43935.1	44415.6	45060.7	45585.1	46227.7	46732.5	47315.4	47762.6	48238.6
20°	36703.5	37288.6	38119.9	38826.0	39760.7	40553.3	41568.6	42419.2	43411.5	44238.6	45131.3
22.5°	30018.2	30706.3	31659.0	32510.6	33626.7	34623.7	35895.8	37020.5	38361.9	39563.5	40892.8
25°	23711.4	24385.8	25356.1	26238.1	27442.9	28541.1	29930.9	31221.2	32777.8	34229.3	35895.8
27.5°	18302.9	18901.9	19755.0	20548.7	21652.2	22730.4	24140.9	25516.7	27177.7	28737.7	30533.6
30°	14135.0	14621.0	15304.5	15943.0	16828.9	17710.6	18967.0	20239.4	21892.2	23508.8	25350.0
32.5°	10954.2	11368.6	11939.1	12457.5	13140.1	13804.9	14730.1	15746.9	17196.8	18745.1	20525.4
35°	8479.7	8834.2	9319.9	9766.4	10327.8	10855.5	11546.0	12271.7	13378.1	14680.6	16273.8
37.5°	6760.5	6905.0	7251.6	7617.5	8083.7	8517.5	9057.5	9594.1	10385.8	11413.3	12714.9
40°	5141.3	5370.8	5652.9	5941.1	6294.0	6641.9	7234.4	7519.7	8040.9	8778.6	9788.8
42.5°	4148.3	4309.8	4508.3	4708.6	4954.6	5197.0	5496.6	5801.9	6191.6	6691.2	7409.6
45°	3471.4	3576.6	3704.7	3838.2	3999.7	4165.1	4365.7	4575.4	4839.3	5146.5	5582.9
47.5°	3019.2	3077.4	3160.9	3252.1	3362.9	3477.3	3607.8	3741.3	3905.3	4087.5	4336.0
50°	2666.2	2714.8	2779.6	2840.6	2917.0	3034.4	3086.1	3159.8	3258.5	3365.7	3504.7
52.5°	2410.7	2443.1	2483.8	2518.8	2567.1	2611.1	2668.7	2719.5	2787.8	2852.1	2941.9
55°	2211.9	2223.6	2246.7	2269.3	2302.7	2332.7	2372.2	2405.5	2448.9	2487.5	2544.1
57.5°	2058.2	2059.4	2070.0	2081.7	2103.2	2122.1	2149.3	2171.1	2201.4	2225.9	2259.8
60°	1947.9	1942.0	1944.1	1948.3	1960.3	1972.6	1990.0	2004.2	2023.3	2037.2	2056.2
62.5°	1856.0	1846.7	1844.6	1843.5	1849.5	1854.0	1863.5	1870.4	1881.2	1887.3	1897.4
65°	1739.9	1729.1	1724.8	1719.8	1721.6	1720.2	1723.7	1723.9	1729.4	1730.7	1736.6
67.5°	1634.7	1625.6	1620.1	1613.3	1610.3	1605.5	1603.4	1598.8	1598.0	1594.2	1593.2
70°	1538.6	1529.8	1525.1	1519.0	1515.8	1509.3	1505.5	1497.6	1493.0	1485.7	1481.6
72.5°	1427.5	1422.6	1421.2	1417.0	1415.8	1412.3	1410.7	1405.2	1402.0	1395.8	1392.2
75°	1311.5	1307.5	1307.1	1302.8	1302.4	1298.2	1297.1	1291.3	1288.3	1282.0	1279.4
77.5°	1173.2	1167.1	1165.4	1160.4	1161.6	1159.6	1161.3	1156.8	1154.9	1148.7	1146.7
80°	1017.5	1009.7	1006.5	999.9	1001.6	998.6	1001.6	1001.3	1003.6	998.6	997.8
82.5°	833.0	824.4	822.8	818.2	821.2	821.6	828.1	824.6	826.1	821.4	823.4
85°	606.1	599.8	590.9	589.7	583.9	589.8	582.2	587.3	579.0	584.8	577.0
87.5°	375.8	362.6	355.7	346.3	342.7	333.7	329.9	323.4	325.3	322.3	324.0
90°	161.1	151.4	151.4	144.7	146.4	140.9	144.3	141.2	145.4	142.1	147.0
92.5°	64.9	67.8	73.1	79.0	84.0	89.4	94.6	100.5	105.6	111.3	116.3
95°	79.7	82.4	89.6	96.8	104.0	111.2	118.5	125.7	132.9	140.0	147.3
97.5°	99.8	101.4	108.6	115.7	122.9	130.1	137.2	144.8	152.0	159.1	166.4
100°	114.3	114.5	134.9	155.3	175.6	196.1	216.6	237.0	257.7	278.1	298.5
102.5°	211.0	216.2	267.8	319.5	371.1	422.7	474.4	526.2	577.9	629.7	681.5
105°	463.4	483.6	562.3	641.3	720.0	798.9	877.8	956.9	1035.8	1114.8	1193.6
107.5°	857.6	894.6	965.8	1037.1	1108.2	1179.6	1251.0	1322.3	1393.5	1465.0	1536.7
110°	1207.7	1246.9	1294.7	1342.6	1390.5	1438.2	1486.1	1534.0	1582.1	1630.0	1678.2



TEST NUMBER: P1444496
 CATALOG NUMBER: EHBR1-60-UNV-TA-L830-UPL40

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	1364.3	1389.8	1417.6	1445.7	1473.7	1501.7	1529.7	1557.8	1586.1	1614.4	1642.6
115°	1359.4	1371.6	1382.4	1393.6	1404.5	1415.7	1426.9	1438.2	1449.7	1460.9	1472.4
117.5°	1254.3	1258.9	1260.6	1262.7	1264.6	1266.9	1269.1	1271.4	1273.8	1276.3	1278.3
120°	1097.3	1096.2	1094.7	1093.3	1091.8	1090.6	1089.5	1088.3	1087.2	1086.3	1085.1
122.5°	938.9	936.4	934.9	933.7	932.5	931.6	930.6	930.0	928.9	928.1	927.2
125°	800.0	797.7	799.8	801.8	804.0	806.3	808.5	811.2	813.5	816.0	818.5
127.5°	698.5	698.1	702.8	707.6	712.4	717.3	722.2	727.4	732.1	737.5	742.2
130°	634.3	636.0	641.8	648.1	654.0	660.3	666.5	672.9	678.8	685.1	691.2
132.5°	598.2	601.6	607.0	613.1	618.9	625.0	631.0	637.1	643.1	649.3	654.9
135°	579.7	583.9	589.1	594.6	600.1	605.9	611.2	617.0	622.3	628.0	633.2
137.5°	568.9	573.1	577.6	582.1	586.4	591.3	595.8	600.5	604.8	609.5	613.8
140°	567.0	571.1	573.6	576.8	579.5	582.4	585.2	588.3	590.8	594.0	596.5
142.5°	563.4	567.3	568.8	570.9	572.9	575.3	577.2	579.3	581.1	583.0	584.7
145°	562.5	565.5	565.9	566.7	567.4	568.1	568.6	569.3	569.7	570.3	570.7
147.5°	559.1	561.3	561.2	561.6	561.7	561.7	562.0	562.2	562.0	562.2	562.3
150°	552.8	554.5	554.0	554.0	553.4	553.2	552.7	552.6	552.0	551.8	551.3
152.5°	545.6	546.9	546.0	545.8	545.1	544.6	543.9	543.6	542.8	542.3	541.9
155°	535.9	536.5	536.1	535.8	535.4	535.1	534.7	534.8	534.6	534.3	534.1
157.5°	531.6	531.6	531.4	531.1	530.7	530.6	530.5	530.4	530.4	530.6	530.8
160°	530.0	530.3	529.9	529.6	529.4	529.1	529.0	529.1	529.1	529.5	529.7
162.5°	529.2	529.1	528.7	528.4	528.2	528.2	528.1	528.5	528.5	528.8	529.1
165°	532.5	532.7	531.9	531.8	531.4	531.1	530.8	530.7	530.8	530.9	531.0
167.5°	535.2	535.0	535.0	535.2	535.2	535.4	535.6	536.3	536.5	537.2	537.4
170°	541.0	541.1	540.9	540.7	540.5	540.5	540.4	540.4	540.6	540.7	540.7
172.5°	548.4	548.4	548.0	547.5	547.1	546.9	546.4	546.3	545.9	545.6	545.2
175°	553.1	552.9	552.8	552.5	552.3	551.8	551.6	551.0	550.8	550.5	550.3
177.5°	557.3	557.0	556.8	556.8	556.6	556.5	556.5	556.3	556.3	556.3	555.9
180°	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3



TEST NUMBER: P1444496
 CATALOG NUMBER: EHBR1-60-UNV-TA-L830-UPL40

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5
2.5°	47791.3	47790.7	47786.1	47788.3	47789.1	47792.5	47796.6	47800.8	47801.8	47805.1	47805.9
5°	48148.9	48030.7	47943.2	47847.1	47774.7	47709.7	47666.3	47631.8	47618.4	47621.8	47629.9
7.5°	49118.8	48874.7	48673.3	48444.3	48253.4	48051.3	47883.7	47724.4	47608.3	47521.8	47473.4
10°	50183.0	49885.7	49601.4	49270.0	48955.8	48620.3	48316.6	48010.6	47755.5	47534.0	47371.4
12.5°	50655.3	50445.1	50199.4	49886.7	49550.3	49163.4	48772.5	48353.5	47963.9	47602.1	47310.4
15°	50155.2	50155.6	50066.1	49916.0	49682.4	49373.1	49000.7	48564.0	48104.3	47635.2	47206.6
17.5°	48567.9	48867.4	49034.0	49139.4	49107.1	48993.1	48756.2	48420.7	47992.1	47492.5	46969.5
20°	45842.0	46548.3	47051.9	47504.9	47758.8	47927.5	47910.5	47774.0	47468.8	47044.0	46499.4
22.5°	42023.4	43209.0	44144.6	45017.0	45628.9	46126.5	46363.2	46463.6	46325.3	46029.3	45517.9
25°	37385.3	38997.3	40373.0	41708.2	42709.7	43570.4	44087.7	44452.1	44481.0	44326.4	43870.1
27.5°	32231.5	34134.4	35875.6	37650.0	39058.3	40295.7	41107.6	41701.8	41890.6	41865.6	41451.3
30°	27084.4	29082.0	31001.2	33070.3	34813.1	36393.9	37466.3	38270.0	38579.7	38639.0	38240.5
32.5°	22223.3	24193.3	26107.2	28270.3	30188.2	31999.9	33266.9	34221.5	34581.7	34666.5	34229.3
35°	17811.8	19629.2	21448.0	23544.5	25451.3	27327.4	28662.4	29661.8	29998.2	30054.9	29548.8
37.5°	13986.0	15534.5	17119.4	19000.4	20751.6	22513.4	23781.9	24721.2	24966.2	24951.1	24378.3
40°	10764.8	11968.6	13242.2	14790.7	16246.6	17736.0	18807.2	19583.7	19712.4	19617.0	19015.4
42.5°	8094.6	8964.0	9887.2	11043.2	12123.4	13238.2	14017.5	14593.9	14612.3	14461.6	13921.6
45°	6030.4	6878.7	7265.9	7964.8	8660.5	9401.8	9877.7	10233.7	10178.7	10046.0	9635.5
47.5°	4597.2	4923.2	5268.9	5702.3	6107.6	6948.8	6886.4	7458.2	7046.4	7327.2	6709.0
50°	3650.6	3832.8	4019.1	4249.1	4460.9	4680.7	4818.1	4920.7	4907.4	4863.3	4744.9
52.5°	3105.8	3162.1	3253.8	3384.7	3502.9	3621.8	3700.0	3763.7	3764.9	3747.1	3687.3
55°	2595.8	2667.3	2733.2	2818.7	2964.3	2986.7	3098.8	3076.2	3085.0	3053.9	3085.7
57.5°	2288.7	2330.3	2367.3	2418.2	2460.4	2509.4	2538.4	2566.3	2563.7	2557.6	2527.1
60°	2071.1	2094.0	2114.6	2144.3	2167.5	2195.2	2208.5	2222.7	2218.0	2207.7	2180.6
62.5°	1903.3	1917.6	1929.4	1948.5	1962.6	1979.8	1986.9	1992.8	1986.9	1977.0	1953.0
65°	1737.8	1747.1	1754.5	1768.9	1778.8	1793.6	1799.4	1805.1	1799.6	1792.0	1773.7
67.5°	1588.5	1589.3	1588.7	1594.5	1597.6	1606.4	1609.1	1613.2	1606.7	1600.2	1584.7
70°	1475.2	1472.9	1470.1	1472.4	1472.9	1477.2	1477.8	1477.2	1469.5	1458.2	1441.2
72.5°	1386.7	1385.5	1383.3	1385.3	1385.3	1389.1	1387.9	1386.0	1376.6	1365.5	1348.9
75°	1272.9	1272.1	1267.7	1267.9	1264.4	1265.7	1261.0	1258.4	1247.9	1238.6	1223.7
77.5°	1139.8	1137.6	1131.5	1129.1	1122.4	1119.6	1110.8	1106.5	1095.9	1088.5	1075.6
80°	991.2	988.9	980.8	976.4	965.7	959.0	946.2	939.0	926.7	919.4	906.9
82.5°	819.2	820.2	812.2	806.7	791.4	779.6	762.6	753.3	739.8	732.7	720.0
85°	582.7	574.3	578.8	578.4	568.9	558.7	544.8	535.0	523.7	516.9	507.9
87.5°	319.6	321.6	319.2	317.3	310.5	305.4	294.5	288.9	280.5	276.4	269.7
90°	136.0	133.2	122.8	120.2	109.8	104.3	92.7	88.5	77.7	75.4	68.5
92.5°	110.3	104.3	98.5	92.1	86.5	80.4	74.3	68.3	62.2	59.8	58.2
95°	138.5	129.9	121.2	112.4	103.7	94.9	86.4	77.6	68.8	67.1	65.3
97.5°	156.2	145.9	135.6	125.5	115.1	104.8	94.7	84.4	74.1	73.0	71.8
100°	274.9	251.3	227.6	203.8	180.2	156.4	132.9	109.1	85.5	84.2	82.8
102.5°	623.8	566.3	508.9	451.5	394.2	336.6	279.1	221.4	164.0	155.7	147.4
105°	1106.6	1019.4	932.8	845.7	758.6	671.5	584.7	497.4	410.4	382.5	354.5
107.5°	1454.9	1373.0	1291.4	1209.8	1127.9	1046.3	964.3	882.5	800.6	751.4	702.3
110°	1613.3	1548.5	1483.8	1418.9	1354.3	1289.4	1224.4	1159.6	1094.6	1052.2	1010.1



TEST NUMBER: P1444496
 CATALOG NUMBER: EHBR1-60-UNV-TA-L830-UPL40

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	1595.3	1547.8	1500.7	1453.1	1405.8	1358.2	1310.9	1263.2	1215.7	1190.1	1164.4
115°	1444.1	1415.6	1387.4	1359.0	1330.4	1302.0	1273.6	1244.7	1216.1	1202.8	1189.4
117.5°	1264.3	1249.9	1235.8	1221.4	1207.0	1192.4	1178.2	1163.6	1149.1	1144.7	1140.0
120°	1081.5	1077.4	1073.2	1069.1	1065.0	1060.9	1056.6	1052.4	1048.0	1048.8	1049.8
122.5°	929.5	931.6	933.9	935.7	938.0	939.8	942.1	943.6	945.7	949.6	953.6
125°	823.3	828.0	832.7	837.3	841.8	846.5	851.3	855.5	860.3	864.1	868.4
127.5°	747.9	752.9	758.4	763.4	768.8	773.8	779.1	783.9	789.2	792.8	797.0
130°	696.2	700.5	705.4	709.7	714.6	719.1	723.7	728.2	732.8	736.0	739.2
132.5°	659.3	663.6	667.8	671.8	676.3	680.2	684.5	688.6	693.1	695.4	698.0
135°	636.8	639.9	643.2	646.2	649.9	652.9	656.3	659.6	663.2	665.0	667.0
137.5°	616.5	619.3	622.2	624.8	627.7	630.3	633.4	636.3	639.5	640.5	642.1
140°	599.3	602.2	604.9	607.7	610.7	613.6	616.9	619.9	623.3	624.4	625.9
142.5°	587.1	589.1	591.4	593.7	596.1	598.3	601.0	603.7	606.5	607.8	609.0
145°	573.4	575.7	578.4	580.9	583.5	586.3	589.5	592.4	595.6	596.5	597.6
147.5°	564.4	566.4	568.9	571.0	573.5	575.7	578.6	581.2	584.1	585.2	586.1
150°	553.7	555.8	558.1	560.3	563.1	565.7	568.4	571.3	574.7	575.9	577.0
152.5°	544.2	546.5	549.0	551.7	554.4	557.2	560.3	563.3	566.5	567.6	569.0
155°	536.6	538.8	541.4	544.1	547.0	549.6	552.6	555.4	558.5	559.9	561.1
157.5°	533.1	535.0	537.4	539.9	542.4	544.9	547.6	550.1	552.9	554.0	555.1
160°	531.7	533.6	535.8	538.0	540.3	542.5	544.9	547.2	549.6	550.6	551.7
162.5°	531.1	533.2	535.4	537.3	539.7	541.9	544.3	546.4	548.8	549.7	550.8
165°	532.6	534.2	536.0	537.4	539.3	540.6	542.6	544.1	546.2	546.9	548.3
167.5°	538.9	539.9	541.1	542.4	543.9	545.2	546.7	547.9	549.4	550.3	551.3
170°	541.8	542.8	543.9	545.1	546.3	547.5	548.7	549.7	551.3	552.0	552.9
172.5°	546.0	546.5	547.3	548.0	548.8	549.5	550.4	551.2	552.0	553.0	553.9
175°	550.9	551.2	551.5	551.8	552.1	552.6	553.1	553.8	554.2	554.8	555.5
177.5°	556.1	556.4	556.6	556.8	557.4	557.6	558.0	558.3	558.6	559.2	560.1
180°	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3



TEST NUMBER: P1444496
 CATALOG NUMBER: EHBR1-60-UNV-TA-L830-UPL40

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5
2.5°	47804.2	47803.7	47802.1	47800.0	47797.8	47799.0	47801.2	47806.7	47816.4	47830.2	47848.3
5°	47636.4	47646.2	47651.7	47652.4	47647.5	47644.4	47649.1	47662.2	47688.7	47733.1	47793.2
7.5°	47460.4	47472.5	47491.0	47504.9	47507.5	47504.2	47504.9	47525.5	47574.4	47661.0	47782.4
10°	47272.5	47236.8	47255.7	47290.1	47317.6	47322.5	47325.9	47350.3	47421.7	47552.5	47747.5
12.5°	47099.0	46986.0	46964.1	46995.2	47036.8	47050.1	47046.5	47057.0	47140.6	47313.8	47585.6
15°	46870.9	46658.0	46585.3	46593.3	46644.7	46663.2	46649.7	46629.1	46710.7	46922.0	47273.8
17.5°	46501.4	46158.4	46024.7	46018.8	46078.9	46094.9	46061.8	45997.8	46078.2	46342.0	46778.8
20°	45939.9	45433.5	45181.8	45141.8	45207.0	45188.0	45122.0	45025.3	45130.9	45451.6	45971.0
22.5°	44930.4	44288.7	43858.7	43720.0	43798.1	43746.0	43649.9	43526.3	43666.6	44030.9	44609.4
25°	43280.8	42539.4	41950.6	41620.4	41682.6	41589.2	41484.6	41334.9	41502.2	41920.4	42557.1
27.5°	40856.1	39999.7	39270.2	38723.5	38743.5	38621.3	38500.7	38307.0	38515.8	39010.8	39729.0
30°	37632.0	36641.0	35752.6	35009.5	34943.1	34824.5	34700.9	34446.7	34708.1	35300.7	36139.9
32.5°	33583.0	32482.7	31456.2	30516.7	30339.4	30223.8	30113.7	29821.2	30163.3	30854.3	31818.4
35°	28847.9	27675.7	26562.8	25489.8	25196.2	25080.5	24984.3	24704.0	25131.0	25882.9	26924.2
37.5°	23650.4	22453.0	21348.1	20247.7	19832.8	19675.9	19606.1	19422.4	19915.0	20658.7	21704.3
40°	18314.6	17201.3	16210.7	15238.8	14765.9	14525.7	14489.1	14455.7	14931.9	15577.2	16526.2
42.5°	13323.2	12425.0	11661.1	10918.3	10489.7	10161.7	10161.6	10261.1	10689.8	11173.2	11905.0
45°	9216.1	8613.3	8126.6	7630.2	7762.9	7109.1	7493.2	7296.1	7508.0	7819.6	8295.5
47.5°	6335.1	6006.1	5738.7	5461.5	5259.3	5066.3	5083.1	5207.6	5407.2	5592.1	5839.7
50°	4617.3	4449.6	4313.5	4169.5	4068.9	3983.7	3988.7	4042.6	4147.5	4244.9	4374.4
52.5°	3617.9	3525.5	3451.5	3371.9	3319.1	3276.8	3279.1	3305.3	3361.9	3417.6	3491.9
55°	2982.1	2970.9	2874.7	2803.3	2776.0	2747.6	2752.8	2763.1	2801.7	2834.2	2883.4
57.5°	2499.0	2455.8	2426.9	2389.3	2372.0	2352.1	2356.6	2360.4	2386.3	2408.1	2443.5
60°	2157.8	2127.3	2106.8	2081.2	2069.8	2057.2	2060.0	2062.4	2078.9	2093.1	2118.6
62.5°	1931.2	1903.8	1886.1	1866.3	1858.2	1849.7	1851.7	1852.4	1862.7	1873.2	1892.4
65°	1757.4	1735.6	1720.9	1703.8	1695.4	1686.5	1687.5	1687.5	1696.2	1703.8	1718.2
67.5°	1573.5	1557.2	1547.5	1534.0	1528.3	1519.3	1519.2	1516.3	1522.0	1525.0	1534.8
70°	1426.0	1409.5	1397.2	1384.2	1377.1	1369.1	1369.3	1369.5	1376.0	1383.0	1395.6
72.5°	1334.8	1319.0	1308.1	1296.8	1290.0	1283.2	1282.0	1281.3	1286.1	1289.8	1298.2
75°	1214.1	1201.4	1195.1	1184.4	1179.0	1171.4	1170.2	1166.7	1168.9	1169.7	1175.9
77.5°	1067.7	1055.7	1050.5	1039.7	1035.3	1026.5	1025.9	1021.9	1023.7	1022.5	1027.3
80°	900.7	889.9	887.0	878.2	876.0	868.0	866.7	862.0	863.4	859.6	861.4
82.5°	714.4	704.5	702.3	694.1	694.1	686.9	686.5	679.2	679.2	673.0	663.0
85°	503.2	496.0	492.9	486.2	484.2	478.4	475.3	468.4	465.9	461.4	460.0
87.5°	265.6	261.0	256.8	253.7	247.8	237.3	236.4	229.1	229.7	224.5	224.9
90°	67.0	60.6	59.2	53.3	51.6	47.4	46.0	46.3	47.6	48.0	49.4
92.5°	56.1	54.1	52.1	50.1	48.1	46.1	44.0	46.1	48.1	50.1	52.1
95°	63.5	61.7	59.9	58.1	56.3	54.5	52.7	54.5	56.3	58.3	60.0
97.5°	70.7	69.6	68.5	67.3	66.2	65.1	64.0	65.2	66.3	67.4	68.6
100°	81.5	80.2	78.8	77.5	76.2	74.7	73.4	75.1	76.5	77.8	79.2
102.5°	139.3	131.0	122.7	114.5	106.1	97.9	89.5	97.9	106.1	114.7	122.9
105°	326.3	298.5	270.5	242.5	214.4	186.4	158.4	186.6	214.6	242.7	270.9
107.5°	653.0	604.0	554.6	505.4	456.0	406.7	357.4	406.9	456.3	505.5	554.9
110°	967.5	925.1	882.7	840.2	797.6	755.2	712.6	755.4	798.0	840.6	883.2



TEST NUMBER: P1444496
 CATALOG NUMBER: EHBR1-60-UNV-TA-L830-UPL40

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	1138.7	1113.0	1087.1	1061.5	1035.5	1009.8	983.7	1010.1	1036.2	1062.3	1088.2
115°	1176.0	1162.5	1149.2	1135.5	1121.8	1108.2	1094.4	1108.8	1122.7	1136.6	1150.6
117.5°	1135.4	1131.0	1126.2	1121.6	1116.8	1112.2	1107.2	1112.5	1117.7	1123.2	1128.0
120°	1050.2	1051.4	1052.0	1052.6	1053.3	1053.8	1054.2	1054.5	1054.5	1054.5	1054.4
122.5°	957.4	961.3	965.1	968.8	972.5	976.1	979.3	976.8	973.9	971.2	967.9
125°	872.3	876.6	880.4	884.4	888.0	892.0	895.0	892.9	890.0	887.1	883.8
127.5°	800.7	804.4	807.9	811.8	814.9	818.4	821.3	819.4	816.9	814.5	811.7
130°	742.0	745.3	748.0	751.0	753.4	755.8	758.0	757.0	755.4	754.1	752.1
132.5°	700.5	703.1	705.4	707.7	709.5	711.6	712.9	712.6	711.8	711.1	709.7
135°	669.0	670.9	672.6	674.6	675.8	677.1	677.9	678.5	678.2	678.0	677.1
137.5°	643.2	644.7	645.9	646.8	647.5	648.1	648.4	649.4	649.9	650.6	650.6
140°	627.1	628.6	629.7	630.7	631.7	632.5	632.6	633.8	634.2	634.6	634.5
142.5°	610.5	611.8	613.0	614.1	614.8	615.5	615.8	616.8	617.3	617.7	617.8
145°	598.7	599.7	600.6	601.6	601.9	602.3	602.2	603.6	604.3	604.9	605.4
147.5°	587.0	588.2	588.6	589.4	589.8	590.2	590.3	591.3	592.1	592.7	593.2
150°	578.4	579.6	580.7	581.7	582.5	583.2	583.4	584.2	584.7	585.1	585.1
152.5°	570.0	571.0	572.0	572.9	573.7	574.2	574.5	575.2	576.1	576.6	576.8
155°	562.2	563.4	564.5	565.6	566.2	567.2	567.8	568.6	569.1	569.4	569.8
157.5°	556.1	557.3	558.3	559.3	560.1	561.1	561.8	562.7	563.2	564.0	564.3
160°	552.6	553.9	554.5	555.7	556.5	557.4	558.1	559.0	559.7	560.2	561.0
162.5°	551.6	552.8	553.2	554.3	555.2	556.1	556.8	557.7	558.4	559.1	559.7
165°	549.3	550.5	551.3	552.6	553.6	554.8	555.5	556.2	556.5	557.0	557.2
167.5°	552.2	553.4	554.1	555.3	555.9	557.2	558.1	558.6	558.8	559.2	559.4
170°	553.7	554.7	555.6	556.4	557.2	558.3	558.8	559.2	559.4	559.8	560.1
172.5°	554.6	555.7	556.6	557.7	558.5	559.5	560.3	560.5	560.4	560.4	560.2
175°	556.0	557.0	557.6	558.5	559.0	559.9	560.6	560.3	560.4	560.2	560.2
177.5°	561.0	562.0	562.9	563.5	564.5	565.1	566.0	565.3	564.8	564.3	563.6
180°	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3



TEST NUMBER: P1444496
 CATALOG NUMBER: EHBR1-60-UNV-TA-L830-UPL40

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5
2.5°	47873.9	47898.0	47934.5	47967.7	48017.8	48057.2	48116.4	48161.4	48228.1	48271.5	48344.3
5°	47878.2	47971.9	48095.0	48215.2	48359.7	48490.9	48653.9	48792.8	48956.6	49090.3	49258.0
7.5°	47945.9	48126.5	48343.0	48561.1	48807.9	49038.6	49298.6	49534.0	49791.2	50009.0	50246.8
10°	47995.8	48274.4	48593.5	48914.5	49252.4	49566.3	49883.3	50157.2	50413.2	50623.9	50810.0
12.5°	47928.1	48311.9	48721.3	49116.6	49492.4	49817.4	50090.0	50300.7	50446.1	50544.7	50567.9
15°	47698.0	48159.8	48604.9	48998.6	49310.4	49550.9	49675.4	49733.6	49671.0	49567.3	49339.0
17.5°	47267.9	47755.0	48153.0	48463.5	48628.3	48693.6	48590.5	48411.1	48060.6	47671.5	47109.5
20°	46479.6	46933.4	47222.1	47391.5	47347.4	47184.4	46795.1	46321.9	45622.0	44876.2	43891.9
22.5°	45096.8	45493.5	45647.3	45660.0	45390.9	44982.8	44280.7	43469.1	42365.0	41217.3	39805.6
25°	43021.1	43368.6	43392.9	43256.5	42764.2	42102.8	41071.8	39923.7	38423.4	36894.0	35125.1
27.5°	40206.2	40539.4	40457.9	40203.1	39519.8	38634.7	37314.7	35831.5	33981.9	32175.5	30218.8
30°	36667.5	37023.9	36928.1	36601.3	35788.6	34742.5	33189.3	31466.1	29412.7	27483.2	25500.3
32.5°	32432.7	32883.4	32817.2	32506.7	31658.6	30539.1	28853.7	27026.0	24925.1	23023.8	21095.0
35°	27619.4	28166.6	28194.8	27991.8	27204.6	26097.9	24433.8	22664.7	20652.4	18858.4	17076.6
37.5°	22433.6	23067.9	23198.2	23143.5	22490.8	21514.1	19997.8	18410.8	16628.1	15055.8	13531.9
40°	17219.1	17861.2	18083.9	18150.0	17668.5	16911.9	15667.5	14386.5	12933.1	11659.2	10449.2
42.5°	12463.8	13032.9	13248.2	13383.6	13083.0	12578.5	11670.7	10740.5	9675.7	8756.9	7875.9
45°	8656.3	9058.9	9222.6	9358.9	9195.3	8910.6	8337.4	7755.6	7052.8	6452.2	5883.8
47.5°	6052.2	6274.2	6382.3	6448.4	6384.9	6236.5	5924.5	5587.5	5190.7	4839.8	4502.5
50°	4485.9	4604.1	4660.7	4698.9	4652.6	4570.2	4401.3	4217.8	3999.9	3801.2	3606.9
52.5°	3555.0	3622.7	3656.3	3677.0	3650.4	3600.0	3501.7	3392.9	3262.2	3139.4	3074.8
55°	2994.8	2991.3	3069.0	3031.5	3069.0	2985.3	2967.7	2848.1	2739.6	2663.2	2580.5
57.5°	2469.8	2504.9	2519.9	2536.6	2525.7	2510.5	2468.7	2425.9	2368.7	2320.8	2269.8
60°	2137.9	2166.9	2183.2	2199.8	2198.7	2193.0	2168.9	2143.2	2107.5	2078.9	2047.9
62.5°	1909.3	1934.4	1950.5	1966.3	1967.7	1965.5	1947.1	1929.4	1905.1	1887.1	1865.7
65°	1729.4	1747.1	1758.0	1770.7	1769.9	1766.5	1750.1	1735.3	1715.2	1702.7	1687.1
67.5°	1541.2	1554.5	1563.0	1575.0	1577.2	1578.0	1568.9	1562.0	1552.2	1548.7	1543.3
70°	1407.3	1423.5	1437.2	1452.3	1460.4	1464.4	1460.4	1456.9	1451.2	1448.7	1444.7
72.5°	1306.0	1319.6	1330.3	1344.0	1351.7	1357.2	1354.2	1352.2	1347.3	1346.5	1343.7
75°	1180.2	1189.5	1195.6	1205.9	1210.0	1215.2	1212.9	1214.1	1212.5	1216.4	1216.2
77.5°	1028.9	1035.8	1038.6	1046.1	1046.9	1053.0	1054.5	1061.8	1066.9	1078.2	1084.3
80°	858.6	863.0	863.0	870.7	874.0	884.5	889.5	901.4	906.9	917.0	918.0
82.5°	666.9	661.8	666.9	663.8	673.5	685.3	686.9	697.0	699.3	705.7	700.8
85°	456.0	455.6	451.5	452.2	449.2	450.7	448.9	450.8	449.1	449.2	444.6
87.5°	218.4	220.4	215.6	217.2	212.6	214.7	210.7	213.9	209.1	209.7	202.6
90°	50.3	51.5	52.3	53.7	55.6	59.2	63.0	66.7	71.1	74.7	78.7
92.5°	54.1	56.2	58.3	60.2	62.3	68.4	74.4	80.5	86.7	92.5	98.6
95°	61.9	63.7	65.5	67.6	69.4	78.1	86.9	95.6	104.4	113.2	122.0
97.5°	70.1	71.2	72.3	73.4	74.7	85.1	95.4	105.7	116.0	126.4	136.5
100°	80.7	82.0	83.3	84.9	86.2	110.0	133.8	157.5	181.3	204.9	228.7
102.5°	131.3	139.6	147.9	156.5	164.9	222.5	280.2	337.8	395.0	452.7	510.2
105°	298.9	326.9	355.4	383.4	411.4	498.6	585.9	673.1	760.0	847.1	934.4
107.5°	604.5	653.8	703.3	752.6	802.0	884.1	965.9	1047.9	1130.0	1211.8	1293.4
110°	926.1	968.4	1011.4	1054.0	1096.6	1161.5	1226.7	1291.6	1356.7	1421.6	1486.6



TEST NUMBER: P1444496
 CATALOG NUMBER: EHBR1-60-UNV-TA-L830-UPL40

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	1114.4	1140.3	1166.2	1191.9	1217.9	1265.6	1313.6	1361.2	1409.0	1456.3	1504.0
115°	1164.4	1177.8	1191.7	1205.3	1219.1	1248.0	1276.6	1305.4	1334.2	1362.7	1391.5
117.5°	1133.0	1138.0	1143.0	1147.5	1152.4	1167.1	1181.9	1196.6	1211.3	1226.1	1240.6
120°	1054.2	1053.6	1053.3	1052.6	1052.2	1056.5	1061.3	1065.5	1070.2	1074.4	1078.7
122.5°	964.7	961.2	957.9	954.2	950.9	948.8	947.3	945.2	943.9	941.9	940.2
125°	880.4	876.9	873.4	869.6	865.8	861.6	857.3	852.9	848.4	844.1	839.7
127.5°	808.9	805.7	802.7	799.1	795.7	790.7	785.9	780.7	776.1	770.9	765.9
130°	750.1	747.6	745.6	742.6	740.3	735.5	731.5	726.9	722.6	718.2	713.8
132.5°	708.4	706.7	705.0	702.7	700.9	696.8	693.2	688.9	685.0	680.9	677.1
135°	676.6	675.5	674.5	673.0	671.7	668.3	665.5	662.3	659.3	656.2	653.2
137.5°	650.6	650.1	649.6	649.0	648.4	645.7	643.2	640.5	638.0	635.3	632.8
140°	634.6	634.2	633.9	633.3	632.7	629.8	627.2	624.4	621.8	619.0	616.3
142.5°	617.7	617.4	617.1	616.5	616.1	613.7	611.9	609.7	607.5	605.4	603.3
145°	605.6	605.5	605.7	605.2	605.4	602.7	600.5	597.8	595.7	593.1	590.9
147.5°	593.8	593.8	594.1	594.0	594.3	592.1	590.3	588.2	586.5	584.2	582.5
150°	585.3	585.3	585.3	585.2	585.0	582.8	581.0	579.0	577.3	575.0	573.2
152.5°	577.1	577.3	577.5	577.6	577.8	575.8	573.8	571.7	569.7	567.5	565.6
155°	570.2	570.4	570.5	570.5	570.5	568.8	567.0	565.0	563.2	561.2	559.4
157.5°	564.6	565.0	565.4	565.6	565.8	564.2	562.6	561.1	559.5	557.7	556.1
160°	561.3	561.8	562.2	562.4	562.7	561.4	560.3	558.7	557.7	555.9	554.5
162.5°	560.2	560.7	561.1	561.3	561.6	560.2	559.2	557.9	556.6	554.8	553.5
165°	557.7	557.6	558.0	557.9	558.1	557.2	556.5	555.6	554.7	553.6	552.8
167.5°	559.8	559.7	560.1	559.9	560.1	559.4	559.3	558.5	557.8	557.1	556.4
170°	560.2	560.2	560.4	560.3	560.5	559.9	559.4	558.7	558.4	557.3	556.7
172.5°	560.2	559.9	559.9	559.8	559.5	559.0	558.7	558.4	558.1	557.6	557.2
175°	559.9	559.6	559.5	559.2	558.9	558.9	558.7	558.7	558.4	558.2	557.9
177.5°	563.2	562.8	562.0	561.6	561.1	560.9	560.8	560.6	560.8	560.5	560.3
180°	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3



TEST NUMBER: P1444496
 CATALOG NUMBER: EHBR1-60-UNV-TA-L830-UPL40

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5
2.5°	48389.3	48090.4	48050.9	48071.9	48121.9	48140.4	48194.2	48209.0	48263.2	48276.6	48328.7
5°	49387.7	48992.7	49012.4	49107.3	49251.2	49336.8	49478.2	49552.1	49687.1	49748.4	49870.3
7.5°	50440.6	50130.4	50227.1	50387.3	50583.9	50720.0	50889.8	51000.3	51146.6	51237.4	51354.6
10°	50957.5	50872.6	50979.0	51105.1	51217.2	51305.0	51377.0	51434.6	51472.2	51507.7	51523.1
12.5°	50564.1	50695.6	50713.8	50701.5	50627.2	50570.5	50443.1	50356.5	50202.7	50109.1	49926.1
15°	49105.7	49395.0	49234.8	48992.4	48637.6	48341.8	47924.1	47613.0	47178.0	46882.9	46446.3
17.5°	46546.4	46911.5	46494.1	45933.1	45219.4	44608.9	43848.6	43245.0	42489.1	41939.3	41233.7
20°	42943.4	43284.6	42540.3	41610.2	40506.2	39577.1	38481.3	37607.1	36588.9	35831.5	34917.4
22.5°	38457.3	38700.3	37651.8	36398.0	34991.4	33830.6	32520.6	31472.5	30310.5	29444.6	28470.0
25°	33494.3	33559.9	32302.1	30857.6	29289.9	27985.4	26586.8	25484.9	24299.7	23422.1	22465.7
27.5°	28485.1	28388.9	27029.4	25497.9	23848.8	22492.8	21128.7	20096.2	19058.2	18267.7	17443.6
30°	23757.1	23524.2	22112.6	20538.4	18937.6	17722.3	16589.9	15760.6	14934.9	14307.8	13646.3
32.5°	19421.3	19092.8	17718.8	16243.9	14895.1	13957.2	13117.5	12490.0	11823.2	11293.5	10738.4
35°	15581.0	15231.1	14013.7	12763.4	11742.6	11051.2	10391.2	9876.5	9310.3	8863.4	8381.3
37.5°	12285.2	11998.3	10978.7	9994.9	9222.6	8686.9	8146.2	7725.4	7257.5	7060.9	6545.8
40°	9484.1	9283.6	8486.4	7761.1	7181.3	6929.6	6380.7	5987.6	5638.0	5349.6	5070.4
42.5°	7397.8	7326.8	6551.0	5985.3	5577.0	5259.9	4954.0	4705.7	4463.9	4265.1	4077.4
45°	5428.9	5372.8	5028.3	4701.7	4423.5	4201.9	3995.2	3824.3	3666.3	3535.2	3416.2
47.5°	4227.5	4209.5	4011.1	3808.7	3633.4	3491.0	3356.8	3243.4	3138.5	3051.0	3022.6
50°	3438.4	3436.0	3319.6	3194.6	3069.9	2987.6	2901.9	2834.9	2767.5	2715.1	2659.6
52.5°	2921.5	2908.9	2830.3	2753.1	2679.0	2624.9	2570.2	2527.3	2482.7	2450.4	2416.0
55°	2515.1	2528.5	2482.9	2436.8	2390.5	2356.9	2318.5	2290.3	2259.6	2239.2	2218.4
57.5°	2232.8	2250.4	2226.6	2200.5	2172.2	2150.1	2123.7	2104.1	2083.7	2070.7	2058.6
60°	2027.5	2046.7	2037.2	2023.9	2006.5	1993.4	1976.5	1965.7	1952.5	1945.2	1938.4
62.5°	1853.3	1877.4	1873.9	1867.7	1856.5	1849.3	1840.0	1835.2	1826.5	1823.3	1820.0
65°	1679.4	1706.5	1705.9	1702.9	1696.7	1694.6	1688.9	1687.9	1683.4	1685.1	1684.8
67.5°	1542.8	1566.3	1571.4	1575.1	1575.0	1576.4	1575.8	1578.2	1578.2	1581.5	1583.7
70°	1444.1	1460.4	1464.4	1468.3	1469.3	1472.5	1472.5	1474.5	1474.0	1476.8	1477.2
72.5°	1344.4	1365.9	1369.8	1373.0	1373.0	1376.0	1374.4	1373.9	1369.7	1368.7	1365.7
75°	1220.3	1247.9	1253.9	1257.8	1258.4	1261.0	1257.3	1255.0	1247.9	1245.0	1240.0
77.5°	1090.7	1119.4	1123.6	1125.0	1122.7	1123.3	1115.4	1110.1	1101.0	1097.3	1092.5
80°	922.0	964.2	967.5	964.9	958.3	957.2	949.5	944.6	933.8	930.1	925.9
82.5°	701.6	751.1	758.0	761.0	755.6	756.9	749.6	746.7	736.8	735.0	728.5
85°	443.0	492.4	500.6	499.4	494.0	492.7	488.5	489.9	489.1	491.7	493.1
87.5°	203.5	251.3	262.9	259.2	258.6	255.3	247.6	250.5	255.1	258.1	258.3
90°	82.5	100.8	104.3	102.3	95.6	92.9	86.7	84.9	79.3	77.4	71.9
92.5°	104.7	110.7	116.8	111.4	106.0	100.6	95.3	89.7	84.5	79.0	73.7
95°	130.7	139.1	147.8	140.6	133.3	126.1	118.9	111.7	104.5	97.3	90.2
97.5°	146.8	156.7	166.9	159.7	152.6	145.2	138.0	130.9	123.6	116.2	109.1
100°	252.3	275.5	299.1	278.7	258.1	237.7	217.3	196.7	176.3	156.0	135.4
102.5°	567.6	624.8	682.0	630.2	578.5	526.7	475.1	423.5	371.9	319.9	268.4
105°	1021.2	1107.7	1194.5	1115.2	1036.4	957.5	878.5	799.7	720.7	641.6	562.9
107.5°	1375.4	1456.0	1537.3	1465.9	1394.5	1323.2	1251.5	1180.3	1108.9	1037.4	966.2
110°	1551.5	1614.7	1679.3	1631.0	1583.1	1534.9	1487.0	1438.9	1391.0	1343.2	1295.5



TEST NUMBER: P1444496
 CATALOG NUMBER: EHBR1-60-UNV-TA-L830-UPL40

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	1551.4	1596.9	1643.8	1615.3	1587.3	1558.9	1530.8	1502.5	1474.6	1446.2	1418.6
115°	1419.7	1445.9	1473.8	1462.1	1451.0	1439.4	1428.1	1417.0	1405.6	1394.3	1383.4
117.5°	1255.0	1266.6	1280.2	1277.7	1275.4	1272.8	1270.6	1268.1	1266.1	1263.9	1261.8
120°	1082.9	1084.1	1087.4	1088.2	1089.4	1090.2	1091.4	1092.4	1093.6	1094.7	1096.1
122.5°	938.1	932.7	929.6	930.4	931.3	931.9	933.0	933.6	934.6	935.7	936.8
125°	835.2	826.6	821.0	818.5	816.2	813.6	811.1	808.7	806.5	804.2	802.0
127.5°	760.9	751.6	745.4	740.5	735.5	730.4	725.4	720.3	715.6	710.4	705.8
130°	709.4	700.4	694.8	688.5	682.6	676.1	670.2	664.0	657.8	651.7	645.6
132.5°	673.0	664.1	658.9	653.1	647.4	641.2	635.5	629.3	623.4	617.2	611.5
135°	650.0	641.7	637.5	631.9	626.9	621.3	615.9	610.4	605.0	599.3	594.2
137.5°	630.0	621.9	618.3	613.8	609.6	605.1	601.0	596.2	591.9	587.0	582.9
140°	613.5	605.0	601.1	598.6	596.1	593.2	590.6	587.8	585.3	582.5	579.7
142.5°	601.2	592.9	589.6	587.8	586.3	584.2	582.9	581.0	579.3	576.9	575.2
145°	588.5	579.4	575.7	575.0	575.0	574.5	574.1	573.6	573.3	572.5	572.1
147.5°	580.3	570.9	567.3	567.5	567.6	567.4	567.7	567.5	567.7	567.6	567.7
150°	570.9	560.3	556.0	556.6	557.0	557.5	558.0	558.4	559.1	559.5	560.0
152.5°	563.2	550.6	545.8	546.4	547.2	547.6	548.3	549.1	549.9	550.7	551.3
155°	557.1	543.4	538.2	538.1	538.4	538.7	539.0	539.5	539.9	540.3	540.9
157.5°	554.3	539.8	534.9	534.4	534.5	534.5	534.6	534.8	535.0	535.2	535.9
160°	553.0	538.6	533.7	533.3	533.4	533.2	533.1	533.1	533.4	533.5	534.0
162.5°	551.9	537.9	533.2	532.6	532.4	532.2	532.2	532.0	532.1	532.1	532.6
165°	551.4	539.2	534.9	534.7	534.8	534.6	534.8	534.9	535.1	535.3	535.8
167.5°	555.4	544.4	541.1	540.6	540.0	539.5	539.5	538.8	538.8	538.4	538.4
170°	555.8	547.1	544.2	544.0	544.3	544.1	543.9	544.0	544.0	543.9	544.2
172.5°	556.6	550.2	548.0	548.3	548.7	548.9	549.4	549.8	550.2	550.6	551.1
175°	557.7	553.9	552.9	552.8	553.1	553.3	553.6	553.8	554.1	554.3	554.8
177.5°	560.3	559.1	558.6	558.6	558.6	558.6	558.6	558.6	558.6	558.7	558.7
180°	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3



TEST NUMBER: P1444496
 CATALOG NUMBER: EHBR1-60-UNV-TA-L830-UPL40

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5
2.5°	48338.4	48394.8	48390.5	48443.1	48440.4	48490.0	48480.0	48522.9	48513.1	48549.7	48528.3
5°	49924.0	50031.2	50066.5	50163.3	50183.3	50269.9	50271.7	50340.5	50332.2	50386.0	50357.4
7.5°	51423.9	51524.0	51571.4	51646.7	51684.1	51746.4	51770.8	51821.9	51834.2	51864.4	51863.5
10°	51550.5	51550.2	51573.6	51563.1	51584.1	51572.0	51597.6	51588.4	51626.2	51616.4	51645.1
12.5°	49847.2	49678.2	49616.4	49464.7	49431.4	49301.1	49310.4	49226.9	49267.1	49215.8	49303.3
15°	46186.6	45794.5	45600.8	45259.8	45152.7	44883.3	44861.4	44682.4	44730.8	44637.1	44774.0
17.5°	40777.3	40159.9	39821.1	39323.2	39125.5	38744.4	38668.0	38437.6	38473.3	38357.3	38522.5
20°	34327.9	33581.8	33154.4	32578.6	32321.8	31867.5	31746.9	31489.2	31521.6	31406.0	31593.0
22.5°	27804.8	27023.9	26541.5	25937.9	25610.0	25182.7	25054.5	24795.5	24810.3	24701.9	24881.7
25°	21810.4	21061.7	20593.5	20045.3	19760.7	19368.9	19234.2	19001.7	19014.8	18925.5	19086.8
27.5°	16871.9	16257.6	15865.8	15406.3	15151.3	14829.1	14697.8	14502.2	14501.8	14436.1	14571.1
30°	13184.6	12671.9	12320.1	11920.0	11680.3	11389.7	11262.8	11087.8	11080.2	11033.7	11140.8
32.5°	10323.2	9867.2	9546.4	9194.2	8979.1	8729.8	8609.6	8469.0	8456.1	8414.0	8502.0
35°	8024.9	7640.9	7365.1	7068.6	7090.4	6722.5	6783.6	6497.8	6420.3	6403.4	6468.8
37.5°	6202.3	5904.9	5680.8	5458.8	5308.4	5152.8	5069.1	4994.0	4985.4	4978.1	5023.9
40°	4854.8	4646.6	4483.6	4331.2	4227.8	4132.9	4080.5	4039.2	4029.4	4023.9	4051.6
42.5°	3929.2	3788.7	3683.7	3590.7	3527.8	3476.2	3447.5	3424.5	3416.8	3417.0	3433.4
45°	3319.6	3234.5	3166.7	3109.0	3068.8	3086.5	3034.5	3061.7	3025.9	3062.9	3038.4
47.5°	2923.4	2850.9	2808.9	2768.1	2743.7	2724.1	2724.9	2725.3	2732.8	2734.1	2742.1
50°	2617.6	2575.8	2546.5	2520.4	2507.9	2497.5	2501.1	2503.7	2511.2	2511.7	2517.6
52.5°	2391.4	2363.9	2346.3	2330.1	2324.3	2318.5	2321.0	2319.9	2323.3	2321.5	2326.3
55°	2207.3	2194.2	2188.7	2182.7	2183.6	2182.0	2183.1	2177.2	2173.6	2169.2	2173.3
57.5°	2056.2	2054.4	2058.0	2060.6	2067.5	2070.0	2071.6	2064.9	2058.4	2052.6	2056.0
60°	1939.7	1942.5	1951.8	1959.2	1969.2	1973.8	1976.6	1972.8	1968.1	1963.3	1966.2
62.5°	1824.9	1829.3	1840.4	1848.7	1860.8	1867.0	1873.9	1874.3	1876.0	1874.3	1876.2
65°	1691.5	1697.0	1707.1	1714.0	1725.1	1730.7	1737.8	1739.0	1742.9	1742.0	1745.4
67.5°	1590.3	1595.2	1603.6	1610.1	1620.1	1625.8	1632.0	1632.4	1633.8	1633.4	1636.6
70°	1482.2	1484.7	1492.1	1497.6	1507.5	1513.4	1520.6	1522.7	1527.1	1527.9	1531.4
72.5°	1366.9	1365.9	1370.3	1372.8	1380.3	1384.9	1394.0	1399.0	1406.5	1408.3	1411.1
75°	1241.4	1240.4	1245.7	1247.9	1254.3	1258.8	1269.1	1275.6	1287.1	1291.9	1290.7
77.5°	1096.2	1098.8	1108.7	1114.2	1122.7	1128.5	1141.8	1152.2	1173.4	1182.6	1173.2
80°	933.8	936.4	946.7	951.9	963.1	970.2	984.9	997.2	1016.2	1020.4	1015.0
82.5°	734.1	734.8	744.1	748.0	762.6	773.1	791.7	801.5	813.3	811.5	810.1
85°	500.6	507.3	518.8	530.5	548.2	565.3	582.9	597.4	587.1	603.3	585.2
87.5°	267.5	266.8	282.4	280.0	304.9	319.2	334.5	341.8	350.0	348.4	348.5
90°	70.7	66.9	67.1	62.9	64.3	59.7	62.4	58.2	61.7	56.5	64.5
92.5°	68.2	65.4	62.4	59.6	56.6	53.7	50.7	47.8	44.9	42.0	44.9
95°	83.0	80.3	77.7	74.7	72.0	69.4	66.7	64.0	61.4	58.6	62.0
97.5°	101.9	100.3	98.7	97.2	95.6	94.0	92.5	91.0	89.2	87.6	89.8
100°	114.9	114.9	114.9	114.9	114.6	114.6	114.6	114.6	114.6	114.6	116.3
102.5°	216.6	211.4	206.3	200.9	195.8	190.5	185.4	180.2	175.1	169.9	177.5
105°	484.0	463.9	443.4	423.3	402.9	382.7	362.5	342.4	322.1	302.0	322.9
107.5°	895.1	858.1	821.2	784.4	747.4	710.7	673.9	637.1	600.3	563.5	596.5
110°	1247.5	1208.3	1169.1	1130.0	1090.9	1051.6	1012.7	973.6	934.6	895.6	927.0



TEST NUMBER: P1444496
 CATALOG NUMBER: EHBR1-60-UNV-TA-L830-UPL40

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	1390.5	1364.9	1339.6	1314.3	1289.0	1263.8	1238.6	1213.5	1188.4	1163.3	1178.6
115°	1372.2	1360.1	1347.8	1335.7	1323.7	1311.5	1299.5	1287.6	1275.7	1263.8	1264.7
117.5°	1259.8	1255.5	1251.3	1247.1	1242.9	1238.9	1234.9	1231.1	1227.1	1223.4	1214.9
120°	1097.6	1098.6	1099.4	1100.5	1101.9	1103.3	1104.3	1105.8	1107.4	1109.0	1097.5
122.5°	938.0	940.5	943.2	946.0	948.9	951.9	954.9	958.3	961.6	965.0	953.6
125°	799.7	802.2	804.6	807.3	809.8	813.0	816.0	819.3	822.6	826.1	816.4
127.5°	701.0	701.5	701.9	702.6	703.4	704.6	705.8	707.1	708.7	710.5	704.4
130°	639.5	637.9	636.2	634.9	633.4	632.6	631.7	631.1	630.4	630.1	627.5
132.5°	605.5	602.4	599.4	596.5	593.8	591.5	589.0	587.1	585.2	583.6	582.8
135°	588.4	584.5	580.6	576.8	573.1	570.0	566.6	564.0	561.1	558.6	559.2
137.5°	578.4	574.6	570.5	566.9	563.1	560.2	556.8	553.9	551.3	548.7	549.8
140°	576.9	573.0	569.1	565.5	562.1	558.8	555.6	552.9	549.9	547.7	548.3
142.5°	573.3	570.2	566.3	563.2	559.9	557.1	554.3	551.8	548.9	547.0	547.9
145°	571.5	569.1	566.3	563.8	561.5	559.5	557.1	555.3	553.5	552.3	552.7
147.5°	567.6	565.9	563.5	561.9	559.9	558.5	556.8	555.7	554.3	553.3	553.5
150°	560.3	559.2	557.9	556.8	555.6	554.6	553.6	552.8	552.0	551.4	551.4
152.5°	552.1	551.2	549.9	549.0	548.0	547.2	546.4	545.8	545.2	544.6	544.5
155°	541.4	540.9	540.5	540.2	539.7	539.8	539.4	539.5	539.3	539.3	539.5
157.5°	536.1	536.2	535.9	536.3	536.2	536.4	536.3	536.7	536.6	537.2	537.6
160°	534.6	534.5	534.2	534.3	534.2	534.1	534.2	534.3	534.4	534.5	535.0
162.5°	532.8	533.4	533.5	533.9	534.4	534.8	535.3	536.0	536.4	537.1	537.6
165°	536.3	536.3	536.2	536.2	536.5	536.5	536.7	537.3	537.3	537.9	538.6
167.5°	538.2	538.6	538.7	539.1	539.5	540.1	540.5	541.2	541.8	542.7	543.3
170°	544.0	544.0	544.0	544.0	544.0	544.4	544.6	544.7	544.9	545.4	545.8
172.5°	551.3	551.3	551.0	551.3	551.0	551.3	551.3	551.5	551.5	551.6	551.8
175°	554.7	555.2	555.5	555.8	555.8	556.1	556.3	556.5	556.8	557.2	557.2
177.5°	558.7	558.9	558.9	558.9	558.9	559.1	559.1	559.1	559.1	558.9	559.1
180°	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3



TEST NUMBER: P1444496
 CATALOG NUMBER: EHBR1-60-UNV-TA-L830-UPL40

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5
2.5°	48564.0	48539.6	48564.5	48539.2	48564.5	48534.3	48554.8	48522.0	48530.4	48496.4	48505.1
5°	50400.2	50361.5	50382.1	50331.8	50337.1	50269.9	50268.7	50190.5	50169.8	50080.8	50041.7
7.5°	51885.1	51872.4	51879.5	51847.2	51843.5	51797.6	51775.7	51711.0	51670.3	51588.4	51532.4
10°	51650.0	51687.9	51697.7	51736.2	51744.3	51782.5	51790.4	51828.7	51836.7	51864.9	51865.3
12.5°	49299.2	49427.7	49458.4	49617.2	49684.1	49865.7	49963.1	50163.3	50282.2	50481.8	50604.5
15°	44770.3	44992.7	45081.4	45391.3	45562.8	45924.8	46152.1	46567.7	46861.0	47302.4	47617.2
17.5°	38537.1	38847.8	38988.2	39408.6	39682.8	40216.9	40602.0	41235.7	41720.8	42425.0	42983.2
20°	31625.0	31970.4	32160.8	32640.4	32964.1	33588.1	34068.9	34847.6	35497.0	36389.3	37152.4
22.5°	24938.1	25266.8	25478.1	25966.0	26330.5	26981.4	27518.6	28340.6	29068.1	30073.7	30988.7
25°	19147.8	19448.9	19640.0	20081.4	20423.5	21021.7	21534.7	22325.2	23037.1	24045.8	24984.0
27.5°	14638.2	14890.5	15074.6	15450.9	15752.8	16260.1	16700.8	17354.0	17967.5	18840.1	19675.6
30°	11206.8	11430.4	11609.6	11937.3	12217.1	12656.9	13044.4	13593.1	14100.8	14795.2	15459.8
32.5°	8563.9	8756.4	8916.0	9202.9	9456.7	9852.8	10201.9	10682.9	11118.6	11707.5	12254.3
35°	6529.6	6908.4	6881.5	7277.3	7340.9	7625.1	7936.5	8357.1	8743.1	9243.8	9709.2
37.5°	5068.1	5174.6	5288.7	5463.5	5647.4	5906.0	6169.1	6683.0	6871.4	7249.8	7635.1
40°	4086.9	4158.8	4234.2	4352.4	4481.1	4663.3	4855.0	5100.1	5351.2	5658.1	5971.4
42.5°	3455.1	3495.8	3543.8	3613.3	3692.6	3808.1	3936.2	4102.5	4277.2	4493.2	4713.6
45°	3086.9	3067.5	3081.8	3119.1	3166.9	3237.2	3318.0	3421.0	3534.8	3674.6	3823.6
47.5°	2743.7	2751.5	2755.8	2776.0	2801.7	2848.7	2897.8	2967.7	3102.6	3143.7	3224.9
50°	2517.0	2520.8	2519.6	2529.9	2542.8	2573.4	2605.3	2652.5	2699.8	2762.4	2822.1
52.5°	2327.1	2332.4	2331.7	2338.4	2345.3	2364.7	2384.8	2418.2	2449.1	2488.9	2523.3
55°	2177.0	2184.3	2187.1	2192.8	2196.2	2206.3	2214.4	2230.3	2243.5	2266.1	2286.9
57.5°	2061.6	2071.6	2076.2	2078.2	2074.1	2073.6	2070.9	2074.2	2077.0	2089.0	2100.8
60°	1970.8	1978.8	1980.0	1978.8	1971.3	1966.0	1957.4	1954.8	1953.4	1959.2	1965.7
62.5°	1875.7	1878.6	1876.6	1874.3	1865.7	1860.6	1851.7	1848.5	1845.5	1849.5	1853.0
65°	1744.2	1746.7	1744.2	1742.7	1735.1	1731.0	1723.5	1721.0	1716.8	1717.8	1717.2
67.5°	1637.4	1639.8	1637.8	1635.9	1630.6	1628.1	1622.6	1619.0	1613.9	1611.9	1608.3
70°	1530.9	1532.8	1529.8	1527.9	1521.8	1519.4	1514.3	1513.3	1509.1	1508.3	1504.2
72.5°	1408.3	1408.5	1404.3	1403.0	1398.6	1398.4	1396.3	1398.2	1398.0	1400.2	1399.3
75°	1283.1	1281.3	1276.0	1275.0	1271.7	1273.3	1270.9	1274.0	1274.4	1279.0	1279.5
77.5°	1157.6	1151.0	1140.8	1136.0	1129.3	1128.5	1124.5	1127.1	1126.3	1131.6	1133.7
80°	999.0	991.0	978.0	971.8	963.8	962.6	959.0	962.6	960.8	967.0	971.5
82.5°	797.6	790.7	777.2	772.2	762.9	763.8	760.0	763.8	763.3	772.5	777.8
85°	589.9	585.3	571.5	559.2	545.5	537.6	529.7	528.3	526.0	529.7	532.9
87.5°	340.8	336.5	325.7	318.6	294.5	295.6	286.2	285.7	283.4	281.2	286.2
90°	63.4	70.3	69.5	75.9	75.8	83.0	83.5	90.4	90.1	96.9	97.7
92.5°	47.8	50.7	53.6	56.6	59.5	62.4	65.3	68.2	74.5	80.4	87.0
95°	65.4	68.8	72.1	75.4	78.8	82.1	85.5	88.9	98.1	107.3	116.4
97.5°	92.3	94.3	96.6	98.8	101.1	103.3	105.6	107.8	117.8	127.8	137.6
100°	118.1	119.9	121.7	123.6	125.3	127.1	128.9	130.7	150.2	169.2	188.3
102.5°	185.2	192.8	200.5	208.0	215.9	223.5	231.2	238.8	282.7	326.4	370.2
105°	343.7	364.6	385.6	406.4	427.3	448.2	469.2	490.1	560.2	630.2	700.6
107.5°	629.5	662.4	695.4	728.5	761.5	794.6	827.6	860.7	929.0	997.6	1066.0
110°	958.3	989.9	1021.3	1053.0	1084.3	1115.9	1147.5	1179.2	1220.3	1261.4	1302.5



TEST NUMBER: P1444496
 CATALOG NUMBER: EHBR1-60-UNV-TA-L830-UPL40

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	1193.9	1209.1	1224.6	1240.0	1255.5	1271.0	1286.5	1302.1	1322.8	1343.3	1364.1
115°	1265.7	1266.6	1267.8	1269.0	1270.2	1271.3	1272.8	1274.1	1280.9	1287.5	1294.3
117.5°	1206.6	1198.2	1190.1	1181.8	1173.7	1165.8	1157.9	1150.1	1149.0	1147.9	1147.1
120°	1086.7	1075.4	1064.3	1053.0	1042.3	1031.3	1020.8	1010.2	1005.1	999.8	994.9
122.5°	942.5	931.5	920.5	909.5	898.9	888.3	877.9	867.6	864.1	860.6	857.4
125°	807.2	798.1	789.0	780.0	771.5	762.9	754.4	746.1	746.4	746.5	747.1
127.5°	699.0	693.4	688.0	683.0	678.1	673.0	668.5	663.7	666.7	669.7	672.8
130°	625.2	623.0	621.1	618.9	617.6	615.9	614.4	612.9	618.0	622.5	627.7
132.5°	582.8	582.6	582.8	583.0	583.6	584.0	585.0	585.4	591.1	596.4	602.0
135°	560.1	561.0	562.5	563.7	565.6	567.1	569.1	570.7	576.3	581.2	586.8
137.5°	551.3	552.7	554.3	556.1	558.4	560.3	562.8	564.8	569.1	573.5	577.7
140°	549.8	550.6	552.4	553.9	555.6	557.2	559.5	561.2	565.0	568.2	571.7
142.5°	549.2	549.9	551.4	553.0	554.7	556.1	558.0	559.6	562.3	564.7	567.8
145°	553.7	554.3	555.7	556.6	558.0	559.2	560.7	562.0	563.9	565.5	567.4
147.5°	554.2	554.7	555.6	556.5	557.5	558.5	559.3	560.2	561.7	562.9	564.1
150°	551.8	552.2	552.8	552.9	553.9	554.5	555.4	555.8	557.0	557.9	559.2
152.5°	545.2	545.4	545.7	546.1	546.8	547.2	547.7	548.3	549.5	550.2	551.3
155°	540.0	540.8	541.4	542.0	542.8	543.2	544.1	544.6	545.5	546.2	547.1
157.5°	538.2	538.6	539.5	539.8	540.8	541.3	542.0	542.5	543.4	543.9	544.7
160°	536.0	536.9	537.6	538.6	539.5	540.2	541.2	542.1	542.8	543.4	544.0
162.5°	538.3	539.1	539.7	540.3	541.0	541.7	542.3	542.9	544.0	544.7	545.7
165°	539.5	540.3	541.3	542.0	543.1	543.9	544.8	545.7	546.2	546.9	547.4
167.5°	544.2	544.8	546.0	546.7	547.7	548.4	549.4	550.1	550.8	551.2	551.9
170°	546.7	547.3	548.2	548.9	549.7	550.2	551.3	551.8	552.7	553.3	554.3
172.5°	552.5	553.0	553.7	554.1	554.7	555.4	556.0	556.4	557.2	557.7	558.3
175°	557.2	557.2	557.3	557.5	557.7	557.7	557.9	558.3	558.5	558.6	558.7
177.5°	559.4	559.6	559.8	560.1	560.2	560.4	560.7	560.9	560.9	560.9	560.9
180°	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3



TEST NUMBER: P1444496
 CATALOG NUMBER: EHBR1-60-UNV-TA-L830-UPL40

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5
2.5°	48471.2	48473.3	48434.2	48432.1	48395.4	48390.8	48355.1	48344.3	48315.3	48304.8	48275.3
5°	49941.8	49894.2	49784.1	49719.4	49610.6	49538.6	49420.9	49344.1	49230.6	49144.9	49030.6
7.5°	51429.1	51355.2	51231.6	51131.5	50980.6	50860.1	50683.5	50538.9	50347.6	50182.1	49981.2
10°	51865.3	51854.0	51822.5	51776.6	51706.4	51627.5	51507.3	51381.9	51214.4	51032.4	50809.1
12.5°	50792.0	50907.9	51065.9	51159.6	51273.6	51323.5	51370.2	51358.5	51327.8	51235.7	51106.6
15°	48073.2	48398.8	48830.1	49164.3	49548.7	49828.2	50136.8	50329.1	50520.9	50609.4	50663.7
17.5°	43748.1	44364.8	45138.0	45778.8	46518.2	47112.1	47763.0	48253.1	48757.0	49118.0	49444.6
20°	38192.6	39086.1	40179.7	41145.8	42269.2	43245.4	44315.2	45193.5	46099.2	46807.3	47477.7
22.5°	32166.9	33227.9	34550.0	35774.8	37222.9	38524.5	39993.0	41271.1	42605.5	43720.4	44798.3
25°	26241.4	27405.0	28850.7	30217.2	31857.4	33371.3	35112.8	36705.7	38430.4	39928.0	41407.2
27.5°	20830.6	21973.0	23449.0	24903.6	26638.0	28251.1	30117.1	31872.1	33836.0	35647.0	37499.5
30°	16383.5	17352.4	18675.8	20084.7	21795.3	23436.9	25323.1	27128.1	29171.1	31148.5	33235.2
32.5°	12980.1	13718.3	14758.8	15950.1	17528.4	19091.1	20887.1	22629.6	24641.4	26638.9	28809.1
35°	10308.6	10884.4	11677.7	12607.4	13943.9	15290.9	16879.6	18464.1	20341.1	22236.5	24346.0
37.5°	8128.9	8596.1	9217.3	9915.7	10987.8	12093.3	13395.9	14709.5	16340.4	18020.6	19932.4
40°	6347.8	6726.0	7209.7	7730.6	8540.1	9391.9	10399.2	11417.9	12728.2	14101.4	15683.6
42.5°	4986.7	5265.7	5607.4	5988.0	6743.3	7195.5	7878.6	8615.4	9578.7	10575.5	11765.2
45°	4004.7	4195.1	4432.0	4687.3	5037.8	5421.5	5889.3	6379.9	7295.0	7743.9	8467.4
47.5°	3344.3	3472.2	3622.9	3783.7	3990.5	4213.6	4491.1	4774.8	5141.7	5521.9	5967.7
50°	2899.6	3029.5	3081.3	3164.7	3284.3	3411.7	3568.1	3724.5	3921.3	4120.8	4350.3
52.5°	2569.5	2611.8	2668.1	2721.1	2795.2	2940.3	2987.3	3069.0	3179.4	3287.3	3407.8
55°	2317.4	2345.0	2381.6	2413.6	2458.4	2501.2	2563.1	2617.5	2691.1	2756.2	2836.2
57.5°	2121.2	2138.8	2164.2	2185.2	2214.2	2238.4	2274.6	2304.1	2346.5	2383.2	2431.7
60°	1978.6	1990.3	2007.5	2021.1	2039.6	2052.2	2070.2	2084.1	2106.5	2125.1	2152.1
62.5°	1862.2	1868.3	1879.4	1887.5	1899.2	1905.5	1915.2	1921.2	1933.5	1942.9	1958.0
65°	1722.5	1723.9	1731.4	1734.8	1744.0	1747.3	1755.2	1758.0	1768.1	1775.1	1788.5
67.5°	1608.0	1604.8	1605.0	1602.3	1603.6	1600.9	1601.6	1598.8	1602.8	1605.0	1615.1
70°	1503.5	1499.0	1497.6	1492.8	1491.4	1486.4	1485.0	1480.6	1480.0	1478.6	1482.2
72.5°	1401.6	1400.4	1400.8	1397.4	1397.0	1393.6	1393.8	1391.7	1394.0	1395.0	1399.6
75°	1284.5	1284.9	1287.1	1284.1	1285.0	1282.2	1283.2	1280.6	1282.0	1281.4	1286.1
77.5°	1141.9	1145.3	1151.5	1150.3	1152.2	1149.1	1150.5	1146.7	1147.7	1145.3	1147.1
80°	981.6	988.7	997.0	996.7	1000.2	998.0	1001.2	997.6	999.0	994.7	993.7
82.5°	791.2	797.2	806.1	806.5	814.3	815.8	824.4	824.1	829.6	826.1	823.6
85°	540.9	545.0	552.8	557.1	565.1	570.1	578.4	581.8	575.8	586.8	578.0
87.5°	282.4	292.9	287.1	300.8	297.6	311.5	308.4	321.2	318.8	329.7	328.3
90°	106.4	108.0	117.1	119.1	130.0	133.1	138.1	134.2	138.8	135.3	140.0
92.5°	92.9	99.7	105.9	112.2	118.5	124.9	119.0	113.2	107.3	101.5	95.6
95°	125.6	134.9	144.1	153.2	162.4	171.6	161.8	152.0	142.2	132.4	122.4
97.5°	147.4	157.4	167.2	177.0	187.2	197.0	185.3	173.7	162.0	150.5	138.8
100°	207.3	226.6	245.6	264.7	283.9	303.0	281.5	259.7	238.1	216.4	194.6
102.5°	414.3	458.0	501.8	545.7	589.5	633.4	587.4	541.6	495.3	449.3	403.2
105°	770.7	840.9	911.0	981.2	1051.3	1121.8	1047.1	972.4	897.6	823.1	748.2
107.5°	1134.5	1202.8	1271.6	1339.9	1408.4	1477.2	1401.5	1325.7	1250.1	1174.3	1098.5
110°	1343.9	1385.1	1426.4	1467.7	1508.9	1550.4	1495.2	1440.1	1384.9	1329.6	1274.3



TEST NUMBER: P1444496
 CATALOG NUMBER: EHBR1-60-UNV-TA-L830-UPL40

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	1384.7	1405.9	1426.4	1447.5	1468.2	1489.2	1449.7	1410.6	1371.0	1331.7	1292.2
115°	1301.3	1307.9	1315.0	1321.9	1328.6	1335.6	1309.1	1282.7	1256.3	1229.9	1203.1
117.5°	1146.3	1145.7	1144.6	1144.2	1143.1	1142.4	1127.8	1113.3	1098.4	1083.7	1068.9
120°	989.6	984.5	979.4	974.5	969.2	964.1	958.2	952.3	946.0	939.9	933.7
122.5°	853.9	850.7	847.3	844.0	840.3	836.9	834.7	832.9	830.6	828.6	826.1
125°	747.4	747.7	748.1	748.5	748.6	748.9	747.9	747.2	746.2	745.4	744.3
127.5°	675.6	678.7	681.5	684.4	687.1	690.0	689.9	690.2	690.2	690.3	690.2
130°	632.2	637.3	641.9	646.5	650.8	655.8	655.2	655.1	654.9	654.5	654.1
132.5°	607.5	612.8	618.1	623.8	628.7	634.0	633.4	633.2	632.4	632.2	631.5
135°	591.8	597.0	601.7	607.2	611.9	616.8	616.0	615.4	614.5	614.1	613.3
137.5°	581.6	586.1	590.1	594.2	597.9	602.0	601.1	600.5	599.5	599.1	598.2
140°	575.0	578.4	581.4	584.9	588.0	591.3	590.0	589.1	587.9	586.8	585.6
142.5°	570.3	572.9	575.1	577.9	580.1	582.6	580.7	579.1	577.5	575.8	574.1
145°	569.1	571.0	572.6	574.3	575.5	577.4	575.2	573.4	571.0	569.1	566.9
147.5°	565.1	566.5	567.3	568.5	569.1	570.4	568.2	566.2	564.3	562.1	560.0
150°	559.9	561.3	561.9	562.9	563.7	564.7	562.4	560.3	558.0	555.7	553.7
152.5°	552.3	553.2	554.1	554.7	555.6	556.3	554.1	552.2	549.9	547.7	545.5
155°	547.5	548.3	548.7	549.5	549.7	550.1	548.1	546.7	544.8	543.0	540.9
157.5°	545.2	545.9	546.5	546.8	547.1	547.7	546.3	545.1	543.6	542.3	540.7
160°	544.6	545.2	545.6	546.0	546.6	546.8	545.6	544.7	543.6	542.3	540.9
162.5°	546.4	547.3	547.9	548.4	549.3	549.8	548.4	547.1	545.8	544.4	542.8
165°	548.0	548.5	549.1	549.6	549.8	550.3	549.4	548.6	547.5	546.7	545.6
167.5°	552.3	552.9	553.3	553.9	554.1	554.3	553.4	552.8	551.7	550.8	549.7
170°	554.5	555.2	555.9	556.5	557.0	557.3	556.7	556.0	555.1	554.4	553.5
172.5°	558.8	559.5	559.7	560.2	560.5	561.0	560.2	559.4	558.7	557.8	556.9
175°	558.7	558.9	559.3	559.3	559.3	559.5	558.8	558.2	557.5	556.9	556.1
177.5°	560.9	560.9	560.9	560.7	560.7	560.7	560.2	559.8	559.4	558.9	558.3
180°	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3



TEST NUMBER: P1444496
 CATALOG NUMBER: EHBR1-60-UNV-TA-L830-UPL40

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5	47963.5
2.5°	48264.8	48243.8	48230.3	48213.1	48202.6	48189.3	48179.4	48171.1	48164.4	48158.2	48153.5
5°	48943.5	48835.6	48751.9	48661.2	48586.7	48512.4	48455.2	48407.7	48375.0	48350.5	48335.9
7.5°	49807.5	49610.1	49434.4	49249.6	49083.9	48920.9	48780.5	48659.4	48568.6	48509.7	48474.0
10°	50579.2	50314.8	50053.4	49778.2	49517.3	49264.1	49030.6	48825.1	48662.5	48554.4	48491.3
12.5°	50925.1	50699.9	50433.0	50134.2	49814.4	49490.8	49175.4	48891.1	48652.3	48492.2	48399.7
15°	50620.5	50528.0	50346.9	50115.0	49811.5	49477.0	49106.7	48758.6	48438.4	48230.9	48110.5
17.5°	49629.5	49758.5	49744.7	49656.0	49437.8	49156.2	48778.9	48387.9	47987.5	47710.0	47558.4
20°	47957.1	48362.7	48568.6	48674.2	48588.5	48405.9	48064.3	47667.5	47200.8	46838.4	46617.4
22.5°	45606.9	46323.2	46769.5	47096.0	47165.4	47103.2	46801.5	46424.1	45903.8	45468.3	45141.8
25°	42581.5	43630.8	44336.1	44889.1	45103.9	45159.4	44902.6	44527.4	43947.4	43440.1	42991.6
27.5°	39018.0	40381.4	41323.2	42066.2	42401.6	42547.0	42310.8	41927.9	41241.7	40636.1	40050.2
30°	35006.1	36623.7	37757.7	38648.6	39057.5	39249.6	38998.7	38571.2	37772.8	37043.9	36305.9
32.5°	30712.2	32482.3	33718.0	34685.5	35090.6	35271.4	34943.1	34463.1	33540.2	32681.6	31820.9
35°	26216.5	28003.2	29249.3	30191.1	30530.5	30639.6	30219.6	29664.9	28642.4	27700.1	26761.6
37.5°	21629.3	23291.5	24424.0	25269.2	25479.3	25498.2	24992.3	24379.5	23304.8	22375.7	21441.4
40°	17081.7	18483.5	19397.9	20074.4	20147.3	20082.3	19532.3	18915.6	17910.2	17077.8	16257.6
42.5°	12798.1	13856.3	14508.7	14972.3	14944.7	14816.2	14311.9	13781.8	12952.3	12318.3	11672.9
45°	9128.2	9826.0	10207.4	10478.7	10391.6	10269.1	9876.7	9505.1	8941.4	8531.9	8098.1
47.5°	6341.5	7174.7	7029.6	7560.1	7103.1	7404.9	6776.3	6429.9	6130.7	5913.2	5668.0
50°	4539.9	4730.8	4823.1	4886.1	4852.6	4806.3	4693.4	4592.4	4455.7	4356.2	4240.1
52.5°	3506.1	3601.6	3653.8	3691.7	3684.3	3667.3	3618.1	3573.2	3509.1	3467.0	3416.2
55°	2969.8	2971.2	3067.4	3026.1	3087.1	3015.6	3043.7	2964.7	2977.4	2909.5	2863.9
57.5°	2467.9	2506.9	2524.5	2541.6	2536.8	2533.8	2514.8	2505.1	2483.7	2477.0	2461.8
60°	2170.8	2191.2	2195.5	2203.3	2196.8	2194.2	2179.3	2174.0	2159.6	2157.0	2146.7
62.5°	1967.1	1977.6	1977.6	1977.6	1969.1	1960.8	1944.3	1935.6	1923.3	1920.7	1914.8
65°	1797.2	1807.9	1809.7	1812.1	1805.9	1799.4	1784.9	1775.4	1762.8	1758.0	1751.3
67.5°	1621.7	1633.2	1637.2	1643.0	1639.4	1638.2	1628.3	1624.5	1616.2	1614.2	1608.0
70°	1483.9	1488.7	1488.3	1488.1	1480.4	1473.4	1461.9	1456.4	1447.7	1445.9	1440.2
72.5°	1402.0	1405.3	1403.2	1400.2	1390.1	1379.8	1366.3	1356.3	1344.9	1337.8	1329.8
75°	1286.6	1291.1	1288.3	1286.3	1277.2	1270.5	1259.6	1254.1	1246.1	1243.8	1238.2
77.5°	1144.9	1147.1	1142.4	1141.9	1135.0	1130.7	1122.6	1121.1	1115.2	1115.4	1110.1
80°	987.3	986.0	978.6	977.2	970.2	968.5	962.0	962.4	957.8	959.8	956.0
82.5°	812.3	807.9	798.2	795.3	787.3	786.6	782.3	785.9	783.0	787.3	784.8
85°	582.2	583.4	579.2	579.2	576.8	577.6	577.2	579.8	580.2	584.1	583.9
87.5°	324.6	329.3	328.3	332.6	332.4	337.2	338.8	345.9	346.8	353.4	353.4
90°	136.5	141.8	138.1	143.6	142.2	148.9	148.7	155.4	154.3	160.0	157.5
92.5°	89.8	83.9	78.2	72.3	69.4	66.1	63.8	60.2	57.7	54.4	51.4
95°	112.6	102.8	92.8	83.0	79.6	76.1	72.7	69.3	66.0	62.7	59.3
97.5°	127.2	115.5	103.9	92.2	89.3	86.4	83.3	80.4	77.4	74.5	71.6
100°	172.8	151.1	129.5	107.5	105.1	102.6	100.1	97.7	95.2	92.5	90.1
102.5°	357.2	310.9	264.7	218.5	209.8	201.0	192.3	183.4	174.6	165.9	157.2
105°	673.5	598.6	523.8	448.9	425.1	401.3	377.6	353.7	329.9	306.1	282.4
107.5°	1022.6	946.5	870.8	794.7	751.0	707.0	663.0	618.9	575.1	531.0	487.0
110°	1219.0	1163.7	1108.2	1052.6	1017.5	982.1	946.6	911.2	876.0	840.4	804.9



TEST NUMBER: P1444496
 CATALOG NUMBER: EHBR1-60-UNV-TA-L830-UPL40

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1252.7	1213.0	1173.4	1133.5	1117.8	1101.6	1085.8	1069.7	1053.7	1037.4	1021.5
115°	1176.5	1149.9	1123.2	1096.2	1090.9	1085.2	1079.7	1073.9	1068.4	1062.6	1056.8
117.5°	1054.2	1039.2	1024.2	1009.3	1010.3	1011.4	1012.6	1013.4	1014.3	1014.9	1015.9
120°	927.5	921.2	915.2	908.7	913.9	918.8	924.0	928.7	933.4	937.9	942.6
122.5°	824.1	821.6	819.6	816.9	823.3	829.3	835.3	841.2	847.0	852.3	857.8
125°	743.6	742.4	741.5	740.2	746.6	752.7	758.7	764.5	770.4	775.9	781.4
127.5°	690.4	690.3	690.4	690.2	694.9	699.2	703.6	707.5	711.9	715.5	719.1
130°	653.8	653.4	653.2	652.7	656.9	660.8	665.2	668.6	672.5	675.6	678.9
132.5°	631.2	630.5	630.1	629.4	632.7	635.6	638.7	641.0	643.8	645.8	648.0
135°	612.7	611.8	611.2	610.2	613.2	616.1	618.8	621.1	623.7	625.4	627.5
137.5°	597.6	596.6	595.9	594.9	597.7	600.2	602.6	604.7	606.9	608.9	610.4
140°	584.8	583.4	582.6	581.2	583.7	585.9	588.2	589.9	592.1	593.4	594.9
142.5°	572.4	570.5	569.2	567.2	569.1	570.6	572.2	573.6	575.1	576.1	577.0
145°	564.8	562.5	560.7	558.5	559.9	561.0	562.5	563.7	564.6	565.2	566.1
147.5°	558.2	555.8	553.7	551.5	552.9	553.7	554.4	555.1	556.1	556.6	557.0
150°	551.3	548.8	546.5	544.1	545.0	545.6	546.2	547.0	547.6	548.0	548.3
152.5°	543.3	541.0	538.7	536.3	536.8	537.3	537.7	538.0	538.5	538.8	539.0
155°	539.2	537.1	535.1	532.9	533.5	533.8	534.0	534.3	534.4	534.5	534.6
157.5°	539.1	537.3	536.0	534.1	534.1	534.2	534.2	533.7	533.7	533.5	533.2
160°	539.7	538.2	536.8	535.3	535.2	535.1	535.1	534.6	534.5	534.0	533.6
162.5°	541.2	539.7	538.0	536.2	536.1	536.2	536.0	535.5	535.3	535.0	534.6
165°	544.7	543.4	542.3	540.9	540.7	540.3	540.1	539.4	539.1	538.3	537.8
167.5°	548.5	547.4	546.1	544.6	544.6	544.7	544.6	544.3	544.1	543.7	543.6
170°	552.7	551.5	550.7	549.6	549.3	549.1	548.7	548.3	547.8	547.5	546.9
172.5°	555.8	554.9	553.9	552.7	552.7	552.5	552.1	551.9	551.3	551.0	550.9
175°	555.3	554.6	553.6	552.9	552.8	552.6	552.5	552.3	551.9	551.7	551.3
177.5°	557.8	557.4	556.7	556.2	556.0	556.0	555.8	555.7	555.7	555.5	555.3
180°	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3



TEST NUMBER: P1444496
 CATALOG NUMBER: EHBR1-60-UNV-TA-L830-UPL40

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	47963.5	47963.5
2.5°	48149.3	48146.7
5°	48328.3	48325.4
7.5°	48464.4	48463.5
10°	48480.4	48488.7
12.5°	48383.7	48390.5
15°	48101.3	48114.4
17.5°	47561.2	47578.4
20°	46630.9	46648.8
22.5°	45124.2	45131.7
25°	42933.7	42902.6
27.5°	39947.3	39893.8
30°	36150.9	36099.2
32.5°	31624.7	31592.3
35°	26529.6	26509.1
37.5°	21165.3	21123.7
40°	15957.8	15836.5
42.5°	11390.2	11177.5
45°	7871.6	7619.5
47.5°	5495.2	5339.3
50°	4165.3	4115.0
52.5°	3394.0	3382.2
55°	2863.7	2858.6
57.5°	2465.1	2463.4
60°	2152.1	2151.6
62.5°	1918.8	1919.6
65°	1754.3	1754.6
67.5°	1609.6	1608.5
70°	1442.3	1441.1
72.5°	1327.1	1325.2
75°	1238.2	1237.0
77.5°	1111.7	1109.7
80°	958.4	956.0
82.5°	788.3	785.5
85°	588.1	588.2
87.5°	359.8	359.6
90°	162.7	159.3
92.5°	48.9	46.3
95°	55.9	52.5
97.5°	68.7	65.8
100°	87.6	85.1
102.5°	148.4	139.7
105°	258.6	234.8
107.5°	443.1	399.1
110°	769.5	734.1



TEST NUMBER: P1444496
CATALOG NUMBER: EHBR1-60-UNV-TA-L830-UPL40

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	1005.1	989.0
115°	1050.5	1044.7
117.5°	1016.3	1016.8
120°	946.7	951.2
122.5°	862.9	868.1
125°	786.5	791.6
127.5°	722.5	725.7
130°	681.4	684.4
132.5°	649.6	651.1
135°	628.7	630.1
137.5°	611.4	612.6
140°	595.7	596.7
142.5°	577.8	578.3
145°	566.6	566.9
147.5°	556.7	557.0
150°	548.3	548.3
152.5°	538.7	538.8
155°	534.3	534.2
157.5°	532.5	532.2
160°	533.1	532.7
162.5°	534.0	533.6
165°	536.9	536.2
167.5°	542.9	542.7
170°	546.4	546.0
172.5°	550.3	549.9
175°	551.2	551.0
177.5°	555.3	554.9
180°	558.3	558.3

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-2

Test Date: 07/31/2025

Luminaire Tested: EHBR-60-L830-N

Data in this report applies to families of products including EHBR-60-L830-N

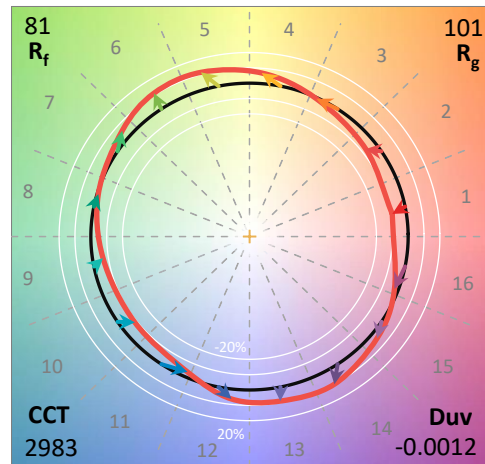
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-2
 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-L830-N**
 Description: Elevate Round Highbay at, 60000 lumens, 3000K 80CRI LEDs with N lens

Spectral Parameters

CCT (K): 2983
 CIE u': 0.2516
 CIE v': 0.5201
 Duv: -0.0012
 CIE x: 0.4364
 CIE y: 0.4010
 CIE z: 0.1626
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 583
 Purity: 51.34918
 Rf: 81.2
 Rg: 101.5

CRI (Ra):	83.4		
R1:	84.0	R9:	29.4
R2:	87.5	R10:	68.6
R3:	88.9	R11:	82.2
R4:	83.8	R12:	61.6
R5:	81.9	R13:	83.9
R6:	83.1	R14:	92.5
R7:	87.1	R15:	79.8
R8:	70.9		



Test Conditions

Stabilization Time: 38M
 Operation Time: 1H 38M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-2

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: SP1-2506-472-2

CIE 1931 Chromaticity Diagram



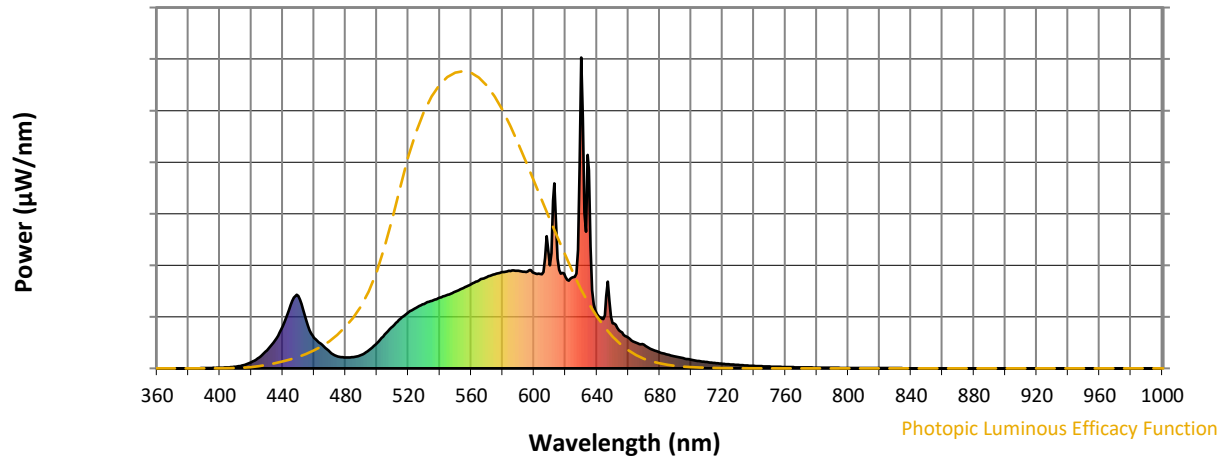
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-2

Photopic Flux vs. Wavelength

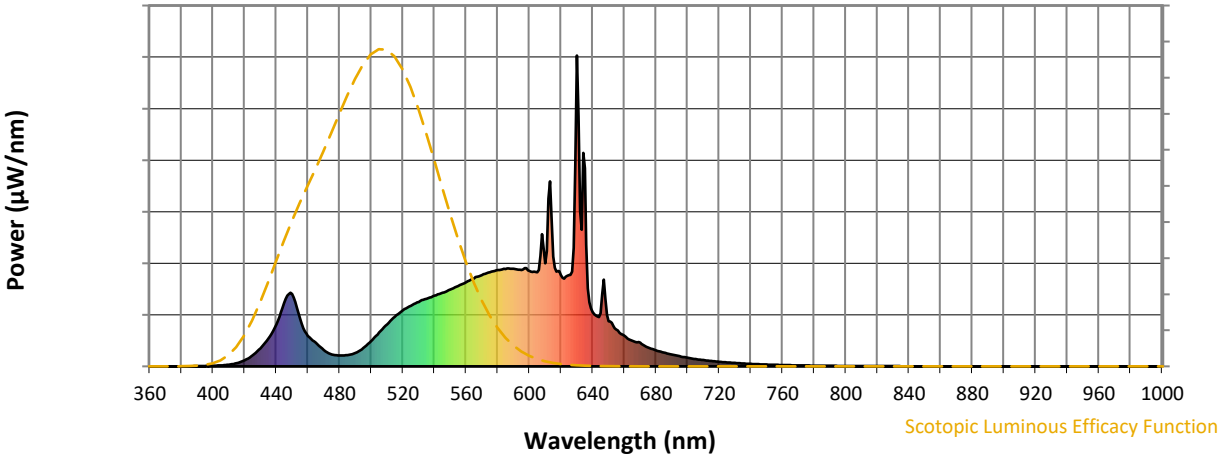


Photopic Lumens: NR

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	43	NR	620	294	NR	750	6	NR	880	0	NR
365	0	NR	495	59	NR	625	294	NR	755	5	NR	885	0	NR
370	0	NR	500	81	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	109	NR	635	637	NR	765	4	NR	895	0	NR
380	0	NR	510	135	NR	640	175	NR	770	3	NR	900	0	NR
385	0	NR	515	160	NR	645	171	NR	775	3	NR	905	0	NR
390	1	NR	520	180	NR	650	146	NR	780	2	NR	910	0	NR
395	1	NR	525	195	NR	655	119	NR	785	2	NR	915	0	NR
400	2	NR	530	207	NR	660	99	NR	790	2	NR	920	0	NR
405	3	NR	535	218	NR	665	82	NR	795	2	NR	925	0	NR
410	5	NR	540	227	NR	670	76	NR	800	1	NR	930	0	NR
415	10	NR	545	237	NR	675	61	NR	805	1	NR	935	0	NR
420	20	NR	550	247	NR	680	52	NR	810	1	NR	940	0	NR
425	35	NR	555	259	NR	685	44	NR	815	1	NR	945	0	NR
430	58	NR	560	271	NR	690	38	NR	820	1	NR	950	0	NR
435	90	NR	565	283	NR	695	33	NR	825	1	NR	955	0	NR
440	135	NR	570	293	NR	700	27	NR	830	1	NR	960	0	NR
445	204	NR	575	303	NR	705	24	NR	835	1	NR	965	0	NR
450	233	NR	580	310	NR	710	20	NR	840	0	NR	970	0	NR
455	153	NR	585	313	NR	715	17	NR	845	0	NR	975	0	NR
460	98	NR	590	314	NR	720	15	NR	850	0	NR	980	0	NR
465	76	NR	595	310	NR	725	13	NR	855	0	NR	985	0	NR
470	53	NR	600	307	NR	730	11	NR	860	0	NR	990	0	NR
475	39	NR	605	303	NR	735	9	NR	865	0	NR	995	0	NR
480	35	NR	610	331	NR	740	8	NR	870	0	NR	1000	0	NR
485	36	NR	615	353	NR	745	7	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-2

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR S/P: 1.27

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	43	NR	620	294	NR	750	6	NR	880	0	NR
365	0	NR	495	59	NR	625	294	NR	755	5	NR	885	0	NR
370	0	NR	500	81	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	109	NR	635	637	NR	765	4	NR	895	0	NR
380	0	NR	510	135	NR	640	175	NR	770	3	NR	900	0	NR
385	0	NR	515	160	NR	645	171	NR	775	3	NR	905	0	NR
390	1	NR	520	180	NR	650	146	NR	780	2	NR	910	0	NR
395	1	NR	525	195	NR	655	119	NR	785	2	NR	915	0	NR
400	2	NR	530	207	NR	660	99	NR	790	2	NR	920	0	NR
405	3	NR	535	218	NR	665	82	NR	795	2	NR	925	0	NR
410	5	NR	540	227	NR	670	76	NR	800	1	NR	930	0	NR
415	10	NR	545	237	NR	675	61	NR	805	1	NR	935	0	NR
420	20	NR	550	247	NR	680	52	NR	810	1	NR	940	0	NR
425	35	NR	555	259	NR	685	44	NR	815	1	NR	945	0	NR
430	58	NR	560	271	NR	690	38	NR	820	1	NR	950	0	NR
435	90	NR	565	283	NR	695	33	NR	825	1	NR	955	0	NR
440	135	NR	570	293	NR	700	27	NR	830	1	NR	960	0	NR
445	204	NR	575	303	NR	705	24	NR	835	1	NR	965	0	NR
450	233	NR	580	310	NR	710	20	NR	840	0	NR	970	0	NR
455	153	NR	585	313	NR	715	17	NR	845	0	NR	975	0	NR
460	98	NR	590	314	NR	720	15	NR	850	0	NR	980	0	NR
465	76	NR	595	310	NR	725	13	NR	855	0	NR	985	0	NR
470	53	NR	600	307	NR	730	11	NR	860	0	NR	990	0	NR
475	39	NR	605	303	NR	735	9	NR	865	0	NR	995	0	NR
480	35	NR	610	331	NR	740	8	NR	870	0	NR	1000	0	NR
485	36	NR	615	353	NR	745	7	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.34

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	43	NR	620	294	NR	750	6	NR	880	0	NR
365	0	NR	495	59	NR	625	294	NR	755	5	NR	885	0	NR
370	0	NR	500	81	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	109	NR	635	637	NR	765	4	NR	895	0	NR
380	0	NR	510	135	NR	640	175	NR	770	3	NR	900	0	NR
385	0	NR	515	160	NR	645	171	NR	775	3	NR	905	0	NR
390	1	NR	520	180	NR	650	146	NR	780	2	NR	910	0	NR
395	1	NR	525	195	NR	655	119	NR	785	2	NR	915	0	NR
400	2	NR	530	207	NR	660	99	NR	790	2	NR	920	0	NR
405	3	NR	535	218	NR	665	82	NR	795	2	NR	925	0	NR
410	5	NR	540	227	NR	670	76	NR	800	1	NR	930	0	NR
415	10	NR	545	237	NR	675	61	NR	805	1	NR	935	0	NR
420	20	NR	550	247	NR	680	52	NR	810	1	NR	940	0	NR
425	35	NR	555	259	NR	685	44	NR	815	1	NR	945	0	NR
430	58	NR	560	271	NR	690	38	NR	820	1	NR	950	0	NR
435	90	NR	565	283	NR	695	33	NR	825	1	NR	955	0	NR
440	135	NR	570	293	NR	700	27	NR	830	1	NR	960	0	NR
445	204	NR	575	303	NR	705	24	NR	835	1	NR	965	0	NR
450	233	NR	580	310	NR	710	20	NR	840	0	NR	970	0	NR
455	153	NR	585	313	NR	715	17	NR	845	0	NR	975	0	NR
460	98	NR	590	314	NR	720	15	NR	850	0	NR	980	0	NR
465	76	NR	595	310	NR	725	13	NR	855	0	NR	985	0	NR
470	53	NR	600	307	NR	730	11	NR	860	0	NR	990	0	NR
475	39	NR	605	303	NR	735	9	NR	865	0	NR	995	0	NR
480	35	NR	610	331	NR	740	8	NR	870	0	NR	1000	0	NR
485	36	NR	615	353	NR	745	7	NR	875	0	NR			

Summary

$R_f = 81.2$
 $R_g = 101.5$
 CIE $R_a = 83.4$
 $R_9 = 29.4$



Color Vector Graphics

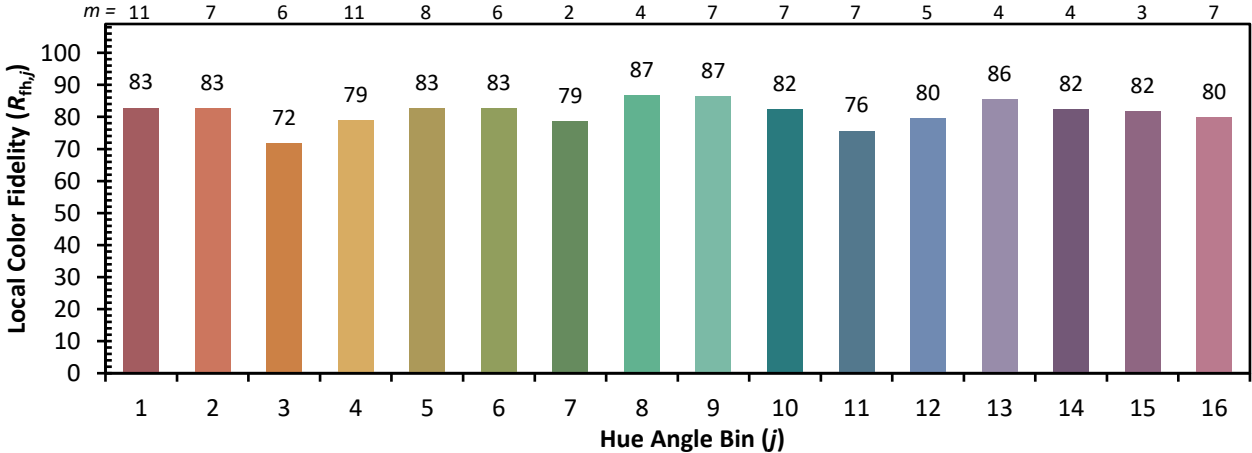


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 71	CES51 = 89	CES76 = 65
CES02 = 63	CES27 = 89	CES52 = 89	CES77 = 82
CES03 = 31	CES28 = 86	CES53 = 80	CES78 = 67
CES04 = 70	CES29 = 68	CES54 = 92	CES79 = 89
CES05 = 50	CES30 = 77	CES55 = 90	CES80 = 85
CES06 = 51	CES31 = 70	CES56 = 81	CES81 = 75
CES07 = 43	CES32 = 64	CES57 = 79	CES82 = 93
CES08 = 41	CES33 = 74	CES58 = 81	CES83 = 89
CES09 = 29	CES34 = 76	CES59 = 92	CES84 = 91
CES10 = 76	CES35 = 87	CES60 = 96	CES85 = 81
CES11 = 59	CES36 = 99	CES61 = 91	CES86 = 74
CES12 = 65	CES37 = 81	CES62 = 93	CES87 = 83
CES13 = 44	CES38 = 83	CES63 = 79	CES88 = 86
CES14 = 74	CES39 = 94	CES64 = 81	CES89 = 74
CES15 = 72	CES40 = 89	CES65 = 78	CES90 = 85
CES16 = 48	CES41 = 88	CES66 = 76	CES91 = 87
CES17 = 50	CES42 = 80	CES67 = 74	CES92 = 73
CES18 = 57	CES43 = 75	CES68 = 79	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 83	CES94 = 64
CES20 = 67	CES45 = 83	CES70 = 72	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 70	CES96 = 86
CES22 = 79	CES47 = 79	CES72 = 90	CES97 = 85
CES23 = 92	CES48 = 78	CES73 = 65	CES98 = 83
CES24 = 91	CES49 = 79	CES74 = 94	CES99 = 82
CES25 = 72	CES50 = 88	CES75 = 70	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)