

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: P1444595

Luminaire Tested: EHBR1-30-UNV-TA-L850-UPL15

Issue Date: 5/1/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1444595  
REPORT IS A COMBINATION OF REPORTS P1444312 AND P1431635  
Test Lab: INNOVATION CENTER  
Issue Date: 5/1/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: EHBR1-30-UNV-TA-L850-UPL15  
Description: Elevate Round Highbay at, 30000 lumens, 5000K 80CRI LEDs with TA lens  
Light Source: -  
Ballast/Driver: -

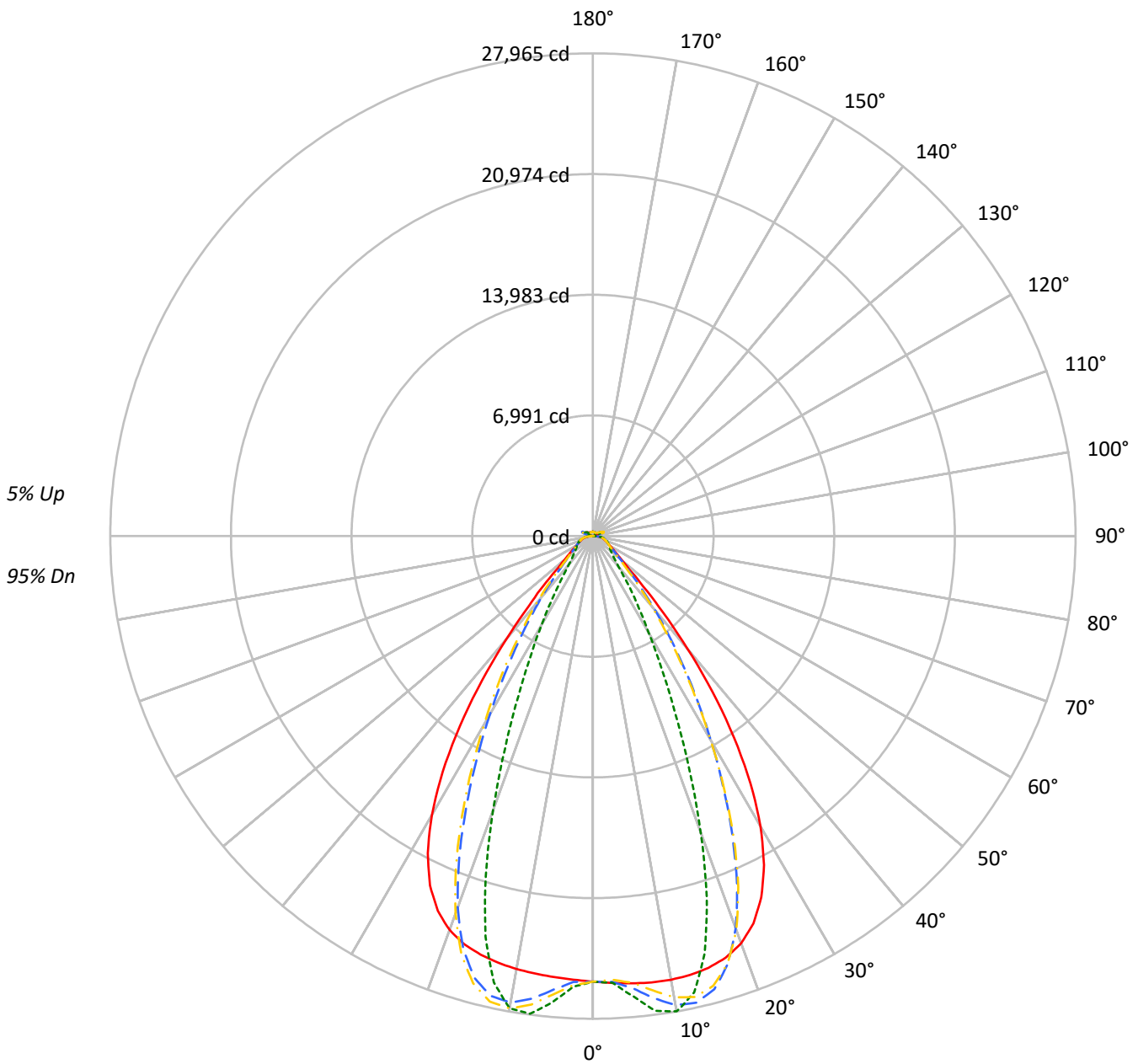
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31347.4 lumens  
Efficiency: N/A  
Efficacy: 185.4 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): 169.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot



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



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

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	97	97	97	95
1	111	107	104	101	108	105	102	99	99	97	95	95	93	91	90	89	88	88	88	88	86
2	104	98	93	89	101	96	91	88	92	88	85	88	85	82	84	82	80	80	80	80	78
3	98	90	84	79	95	88	83	78	85	80	76	81	78	75	78	75	73	73	73	73	71
4	92	83	77	72	89	81	75	71	79	73	69	76	72	68	73	70	67	67	67	67	65
5	86	77	70	65	84	76	69	65	73	68	64	71	66	63	69	65	61	61	61	61	60
6	82	71	65	60	80	70	64	59	68	63	59	66	61	58	64	60	57	57	57	57	55
7	77	67	60	55	75	66	59	55	64	58	54	62	57	54	61	56	53	53	53	53	51
8	73	62	56	51	71	62	55	51	60	54	50	58	53	50	57	53	49	49	49	49	48
9	69	59	52	48	68	58	52	47	56	51	47	55	50	47	54	49	46	46	46	46	45
10	66	55	49	45	64	54	48	44	53	48	44	52	47	44	51	46	43	43	43	43	42

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

	0°	90°	180°	270°
0°	121223	121223	121223	121223
5°	121810	125362	120105	127004
10°	122827	131621	119882	130750
15°	123429	119313	119672	114509
20°	122154	88884	118156	82239
25°	115623	56214	111802	51004
30°	101005	33781	97093	30872
35°	77734	21197	73263	18777
40°	49174	13296	44990	12494
45°	25345	10359	24925	10189
50°	14860	9214	14404	9070
55°	11384	8717	10963	8638
60°	9633	8905	9223	8789
65°	9048	9300	8701	8983
70°	8839	9737	8398	9372
75°	9452	10327	8939	9872
80°	9780	11434	8868	10438
85°	9212	11036	7443	9447

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 25°  
 Vertical Angle: 45°  
 Luminance: 38788 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2544.0	8.1
10°-20°	7156.5	22.8
20°-30°	8150.7	26.0
30°-40°	5858.4	18.7
40°-50°	2701.9	8.6
50°-60°	1293.0	4.1
60°-70°	943.4	3.0
70°-80°	716.7	2.3
80°-90°	328.6	1.0
90°-100°	49.0	0.2
100°-110°	262.4	0.8
110°-120°	484.4	1.5
120°-130°	301.4	1.0
130°-140°	200.4	0.6
140°-150°	153.9	0.5
150°-160°	110.6	0.4
160°-170°	68.4	0.2
170°-180°	23.8	0.1
0°-30°	17851.2	56.9
0°-40°	23709.5	75.6
0°-60°	27704.4	88.4
0°-90°	29693.1	94.7
90°-120°	795.8	2.5
90°-150°	1451.6	4.6
90°-180°	1654.0	5.3
0°-180°	31347.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	25814	25814	25814	25814	25814	
5°	26008	26767	25644	27117	26008	2485
15°	25895	25031	25106	24023	25895	7296
25°	23090	11226	22327	10186	23090	10467
35°	14267	3890	13446	3446	14267	8756
45°	4101	1676	4033	1648	4101	3488
55°	1538	1178	1482	1167	1538	1420
65°	944	971	908	938	944	943
75°	666	728	630	695	666	692
85°	317	379	256	325	317	297
90°	82	105	21	27	82	52
95°	22	25	22	25	22	21
105°	96	123	66	123	96	127
115°	424	510	445	511	424	393
125°	327	335	369	336	327	297
135°	267	230	286	233	267	208
145°	246	232	260	236	246	155
155°	236	233	249	236	236	109
165°	240	237	248	240	240	68
175°	248	250	252	251	248	24
180°	252	252	252	252	252	



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**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6
2.5°	25912.2	25910.1	25909.8	25907.9	25907.5	25907.5	25906.6	25904.5	25903.2	25900.2	25896.8
5°	26008.4	26007.2	26007.9	26008.1	26006.3	26002.3	25995.9	25988.2	25978.4	25969.3	25961.0
7.5°	26082.7	26084.5	26086.9	26086.4	26080.7	26071.2	26058.3	26051.0	26055.3	26069.4	26101.6
10°	26096.3	26107.4	26111.7	26110.3	26099.0	26091.0	26094.1	26121.4	26175.9	26248.5	26347.9
12.5°	26043.4	26057.0	26056.5	26052.0	26041.1	26052.2	26091.8	26173.2	26289.9	26433.1	26601.2
15°	25894.8	25912.4	25907.5	25901.6	25894.3	25930.8	26009.9	26151.3	26331.5	26533.5	26740.3
17.5°	25606.4	25627.6	25617.3	25610.7	25604.6	25672.8	25808.8	26015.8	26242.8	26471.3	26667.3
20°	25106.1	25120.3	25095.7	25084.2	25093.9	25227.8	25427.9	25692.4	25931.7	26147.7	26281.6
22.5°	24289.5	24307.2	24261.0	24255.6	24312.7	24518.3	24771.6	25067.2	25292.0	25463.3	25514.9
25°	23089.8	23107.2	23052.3	23085.1	23182.2	23462.2	23763.9	24080.1	24271.9	24398.7	24363.7
27.5°	21470.5	21486.5	21434.4	21501.4	21654.7	22022.7	22377.8	22720.8	22891.7	22980.6	22867.9
30°	19428.3	19461.3	19399.8	19493.3	19727.4	20205.1	20611.9	20996.5	21167.0	21234.6	21059.4
32.5°	17002.7	17049.7	16981.9	17121.0	17447.6	18021.4	18483.6	18913.4	19101.9	19179.1	18981.2
35°	14267.0	14334.4	14256.6	14465.3	14868.2	15507.1	16019.0	16498.7	16722.0	16831.5	16632.0
37.5°	11368.7	11432.8	11390.7	11669.3	12111.6	12773.9	13296.3	13813.9	14066.1	14230.4	14073.1
40°	8523.1	8581.9	8613.7	8932.2	9348.2	9972.5	10474.2	10986.4	11268.5	11474.7	11377.6
42.5°	6015.7	6074.8	6183.1	6490.4	6837.4	7354.1	7784.0	8243.8	8513.2	8733.1	8695.8
45°	4100.7	4169.5	4305.1	4556.8	4807.8	5178.5	5494.1	5851.6	6071.8	6273.2	6275.7
47.5°	2873.6	2921.9	3043.1	3214.9	3378.5	3842.6	3861.6	4037.4	4185.4	4336.0	4355.5
50°	2214.6	2243.7	2308.0	2403.7	2496.5	2616.9	2727.2	2854.6	2945.7	3028.2	3047.9
52.5°	1820.3	1838.7	1871.4	1923.3	1977.1	2042.6	2101.7	2171.6	2221.1	2265.3	2274.6
55°	1538.4	1553.8	1602.5	1612.3	1673.8	1685.7	1711.9	1754.4	1783.2	1809.7	1816.3
57.5°	1325.8	1336.9	1347.2	1369.3	1388.3	1415.8	1438.0	1468.5	1486.7	1505.8	1507.4
60°	1158.0	1166.0	1173.3	1188.7	1201.6	1220.8	1236.0	1256.8	1269.8	1284.1	1285.8
62.5°	1033.2	1038.9	1043.8	1053.9	1063.0	1077.8	1089.9	1107.2	1119.4	1130.5	1133.0
65°	944.4	948.6	951.7	959.4	967.4	979.9	990.9	1005.1	1014.0	1022.5	1024.3
67.5°	865.7	869.7	873.0	879.9	885.5	894.9	902.2	912.8	919.6	926.4	926.6
70°	775.6	779.3	781.8	788.3	792.8	800.9	806.7	816.4	823.2	830.8	832.7
72.5°	713.2	715.4	718.7	724.7	730.9	739.6	747.4	757.4	765.7	773.5	776.9
75°	665.8	668.3	670.5	675.6	679.9	687.2	693.1	702.2	709.5	717.8	722.0
77.5°	597.2	600.3	602.1	607.2	611.0	618.0	622.3	630.4	636.4	644.1	647.8
80°	514.5	517.3	518.6	523.4	526.4	532.8	537.1	545.0	549.9	557.5	562.1
82.5°	422.8	425.4	426.2	430.7	432.3	437.6	440.7	448.8	454.9	464.8	471.8
85°	316.6	317.6	319.0	317.9	324.3	324.7	332.0	333.3	342.9	345.4	356.3
87.5°	193.5	196.5	197.8	202.3	204.1	208.5	209.9	214.6	217.2	222.5	225.0
90°	82.1	86.5	88.1	93.3	94.8	99.4	100.6	105.7	107.3	112.7	114.8
92.5°	19.7	20.9	22.0	23.5	24.7	26.4	27.9	29.2	30.5	32.1	34.6
95°	22.3	23.7	25.0	26.3	27.7	29.1	30.5	31.7	33.1	34.5	38.3
97.5°	27.7	28.9	30.1	31.2	32.4	33.6	34.8	36.0	37.1	38.2	42.9
100°	35.7	36.6	37.6	38.6	39.6	40.7	41.6	42.6	43.6	44.6	53.2
102.5°	57.9	61.4	64.9	68.4	71.9	75.3	79.0	82.3	85.9	89.4	107.8
105°	96.5	105.9	115.6	125.0	134.6	144.2	153.7	163.1	172.7	182.1	212.3
107.5°	162.9	180.4	198.1	215.8	233.5	251.1	268.8	286.3	304.0	321.5	352.0
110°	298.2	312.3	326.5	340.7	354.8	369.1	383.3	397.2	411.5	425.5	447.8



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**CANDELA DISTRIBUTION (continued):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	401.4	407.6	414.0	420.4	426.8	433.1	439.5	445.8	452.1	458.4	474.2
115°	424.5	426.7	429.0	431.0	433.3	435.3	437.5	439.5	441.6	443.6	454.3
117.5°	414.1	413.6	413.1	412.8	412.1	411.5	410.9	410.3	409.6	408.9	414.8
120°	388.7	386.6	384.6	382.3	380.2	377.9	375.8	373.6	371.2	368.8	371.3
122.5°	356.3	353.7	351.4	348.7	346.2	343.4	340.9	337.9	335.3	332.6	333.4
125°	326.7	324.1	321.7	318.9	316.3	313.5	310.8	307.9	305.2	302.2	302.5
127.5°	301.4	299.5	297.7	295.6	293.5	291.5	289.4	287.1	285.2	282.7	282.6
130°	285.9	284.4	282.6	280.6	278.8	276.8	274.7	272.7	270.7	268.5	268.3
132.5°	273.9	272.7	271.4	269.9	268.5	266.7	265.2	263.3	261.8	260.1	259.9
135°	266.7	265.4	264.2	262.9	261.5	259.8	258.2	256.6	254.9	253.2	253.2
137.5°	260.8	259.8	258.6	257.3	255.9	254.2	252.8	251.2	249.6	247.9	247.9
140°	255.6	254.5	253.5	252.2	251.0	249.5	248.0	246.6	245.1	243.4	243.5
142.5°	249.2	248.2	247.4	246.4	245.3	244.0	242.7	241.3	240.2	238.7	239.0
145°	245.6	244.8	244.0	243.2	242.1	240.9	239.8	238.6	237.5	236.2	236.5
147.5°	242.4	241.7	241.1	240.4	239.6	238.5	237.5	236.3	235.5	234.4	234.8
150°	239.7	239.1	238.6	237.8	236.9	236.0	235.1	234.2	233.2	232.1	232.5
152.5°	236.5	235.8	235.4	234.6	233.8	232.8	232.2	231.1	230.2	229.3	229.6
155°	235.5	234.8	234.1	233.4	232.6	231.9	231.0	230.1	229.4	228.4	228.7
157.5°	235.4	234.7	234.2	233.4	233.0	232.3	231.6	230.8	230.1	229.5	229.6
160°	236.5	235.9	235.4	234.7	234.1	233.3	232.7	231.9	231.4	230.6	230.8
162.5°	237.8	237.1	236.5	235.8	235.4	234.7	234.1	233.5	232.9	232.1	232.2
165°	239.7	239.3	238.8	238.3	237.9	237.4	236.9	236.3	235.8	235.3	235.4
167.5°	243.2	242.6	242.2	241.6	241.1	240.8	240.2	239.6	239.2	238.5	238.6
170°	245.3	244.8	244.6	244.3	243.9	243.5	243.2	242.8	242.4	242.0	242.1
172.5°	247.4	247.0	246.8	246.7	246.3	246.1	245.8	245.5	245.3	244.9	245.2
175°	248.2	247.9	247.8	247.6	247.5	247.3	247.2	247.0	247.0	246.7	246.8
177.5°	250.1	250.0	250.0	249.9	249.9	249.8	249.7	249.5	249.4	249.4	249.5
180°	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6



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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°	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6
2.5°	25894.3	25891.2	25886.9	25881.5	25876.8	25871.3	25858.4	25854.6	25858.9	25861.7	25867.6
5°	25955.8	25957.7	25958.4	25970.1	25980.3	26005.6	26204.2	26283.1	26344.2	26382.9	26441.8
7.5°	26141.4	26201.1	26260.1	26339.5	26408.0	26500.5	26847.9	26995.9	27101.0	27176.6	27269.6
10°	26455.7	26586.1	26708.2	26851.3	26974.3	27115.3	27438.7	27582.8	27673.7	27739.9	27801.8
12.5°	26772.4	26953.1	27116.4	27275.7	27408.9	27531.0	27644.8	27695.2	27699.5	27701.6	27668.8
15°	26937.3	27110.1	27254.0	27359.3	27437.6	27472.2	27276.4	27173.7	27043.8	26936.8	26760.9
17.5°	26833.2	26936.8	26999.0	26992.9	26960.6	26852.3	26297.6	25992.5	25689.6	25416.7	25058.8
20°	26370.4	26362.6	26308.5	26155.3	25970.8	25683.7	24732.8	24184.2	23653.7	23187.8	22622.6
22.5°	25509.6	25374.1	25185.2	24855.0	24488.1	23986.7	22623.9	21816.9	21078.4	20426.1	19695.3
25°	24262.2	23983.5	23635.1	23110.9	22540.7	21809.4	20129.7	19125.9	18239.2	17470.3	16627.0
27.5°	22665.8	22246.0	21735.5	21009.9	20237.4	19300.5	17438.3	16330.5	15378.7	14554.2	13656.7
30°	20775.7	20229.7	19570.6	18670.0	17738.3	16675.7	14786.9	13664.9	12701.5	11853.4	10955.2
32.5°	18639.8	18000.4	17228.0	16217.1	15209.5	14117.0	12293.0	11206.9	10286.5	9470.5	8657.7
35°	16284.1	15598.3	14781.1	13750.1	12748.6	11686.4	10012.8	9033.4	8220.7	7499.4	6843.0
37.5°	13757.1	13083.8	12307.1	11335.4	10406.7	9444.1	8000.0	7179.4	6497.3	5898.7	5391.8
40°	11129.8	10540.5	9868.5	9028.4	8235.8	7434.2	6248.8	5597.3	5059.1	4602.6	4222.8
42.5°	8534.5	8078.0	7562.6	6898.7	6292.2	5681.8	4769.5	4286.8	3888.2	3559.5	3291.0
45°	6192.1	5886.7	5541.0	5079.5	4659.8	4234.1	3584.7	3245.5	2985.9	2774.0	2594.8
47.5°	4328.6	4151.4	4140.6	3714.1	3406.3	3146.0	2727.7	2513.5	2354.4	2226.0	2112.6
50°	3039.9	2954.1	2847.6	2695.5	2552.6	2405.5	2150.6	2021.1	1927.9	1850.1	1778.4
52.5°	2272.5	2228.0	2171.3	2090.6	2013.2	1930.4	1769.1	1686.7	1657.4	1584.9	1528.1
55°	1815.2	1789.6	1757.3	1709.9	1662.8	1643.9	1505.7	1444.5	1405.7	1377.2	1346.6
57.5°	1507.7	1488.7	1469.6	1437.4	1410.2	1377.2	1303.8	1272.3	1249.4	1232.5	1211.3
60°	1286.1	1274.7	1264.0	1245.1	1230.4	1212.6	1166.0	1148.3	1136.3	1126.1	1112.6
62.5°	1135.1	1129.2	1123.7	1113.7	1106.2	1096.5	1064.7	1056.1	1050.2	1045.0	1036.9
65°	1026.2	1022.0	1018.8	1012.1	1008.4	1002.8	975.4	969.7	966.0	964.1	959.4
67.5°	927.1	922.8	920.7	916.0	914.4	910.9	888.5	885.3	884.1	884.6	883.0
70°	834.5	832.7	833.7	832.9	835.0	835.6	822.1	822.0	823.4	826.3	826.6
72.5°	779.0	779.0	780.1	780.5	782.6	783.6	772.3	771.7	772.4	774.4	774.5
75°	726.2	727.1	729.9	730.9	733.3	733.8	718.8	717.2	717.3	719.2	718.5
77.5°	653.1	656.3	661.8	664.6	669.2	670.0	653.3	651.3	651.4	653.4	651.6
80°	570.2	576.2	584.9	590.9	598.0	600.9	583.7	579.5	575.7	575.1	571.7
82.5°	482.1	489.5	499.9	505.3	512.8	514.6	485.8	480.3	477.1	477.4	474.2
85°	368.1	373.6	383.1	386.1	390.8	390.5	357.5	343.4	347.1	341.3	346.0
87.5°	230.8	234.1	240.1	240.8	243.0	242.5	209.4	202.9	201.0	201.1	198.7
90°	120.6	123.1	128.7	129.2	133.1	132.9	106.6	103.9	101.2	102.2	98.4
92.5°	37.3	39.6	42.2	44.7	47.3	49.8	49.3	50.9	48.6	46.0	43.8
95°	42.3	46.3	50.3	54.2	58.2	62.2	66.2	70.1	66.4	62.7	58.9
97.5°	47.6	52.3	56.9	61.6	66.3	70.9	75.6	80.4	76.4	72.2	68.3
100°	62.0	70.7	79.5	88.3	97.0	105.7	114.4	123.2	115.5	107.7	100.0
102.5°	126.2	144.9	163.4	181.8	200.3	218.9	237.6	256.2	238.5	220.7	203.0
105°	242.3	272.3	302.3	332.2	362.3	392.2	422.6	452.6	424.3	396.2	367.9
107.5°	382.5	412.9	443.3	473.7	504.2	534.6	565.5	595.9	568.3	540.6	513.0
110°	470.0	492.0	514.2	536.3	558.4	580.6	603.3	625.5	609.0	592.3	575.6



TEST NUMBER: P1444595  
 CATALOG NUMBER: EHBR1-30-UNV-TA-L850-UPL15

**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	490.0	505.8	521.6	537.2	552.9	568.6	585.3	601.3	592.7	584.2	575.8
115°	464.7	475.5	485.9	496.4	507.1	517.6	529.1	539.9	537.0	534.1	531.2
117.5°	420.6	426.4	432.3	438.0	443.7	449.4	456.7	462.6	462.7	462.9	463.1
120°	373.7	375.9	378.2	380.4	382.6	384.8	388.7	391.2	393.2	395.1	397.0
122.5°	334.1	334.8	335.3	335.9	336.5	337.2	339.7	340.8	341.9	343.1	344.4
125°	302.6	302.8	302.9	303.0	303.0	303.2	305.5	305.9	305.8	305.4	305.2
127.5°	282.3	282.1	281.8	281.5	281.1	280.9	282.8	283.0	281.7	280.4	279.0
130°	268.3	268.1	267.9	267.7	267.6	267.5	269.7	270.1	268.1	265.9	263.8
132.5°	259.8	259.8	259.5	259.6	259.4	259.2	261.9	262.4	260.1	257.7	255.4
135°	253.0	253.1	253.1	253.0	252.9	253.1	256.0	256.6	254.4	252.1	249.8
137.5°	247.7	247.8	247.7	247.9	247.8	247.9	251.1	251.8	250.1	248.0	246.3
140°	243.6	243.7	243.8	244.0	244.1	244.5	247.8	248.7	247.3	245.7	244.2
142.5°	239.2	239.6	239.9	240.4	240.7	241.1	245.2	246.4	245.3	243.9	242.8
145°	236.8	237.5	237.9	238.4	238.9	239.6	244.0	245.5	244.7	243.9	243.0
147.5°	234.9	235.5	235.8	236.3	236.8	237.6	242.3	243.8	243.3	242.6	242.0
150°	232.8	233.4	233.8	234.4	235.1	235.7	241.1	242.9	242.4	241.9	241.3
152.5°	230.0	230.3	230.7	231.3	231.8	232.5	239.1	241.0	240.7	240.1	239.7
155°	228.9	229.2	229.4	229.8	230.0	230.7	237.9	239.8	239.5	239.2	238.9
157.5°	229.7	229.7	229.8	230.0	230.2	230.4	238.0	240.2	239.8	239.5	239.2
160°	230.7	230.8	230.7	230.9	230.9	231.1	238.9	241.0	240.8	240.4	240.1
162.5°	232.4	232.7	232.7	232.9	233.0	233.3	241.1	243.4	242.9	242.5	242.1
165°	235.4	235.4	235.4	235.5	235.5	235.6	242.9	244.9	244.7	244.3	244.0
167.5°	238.5	238.7	238.7	238.9	238.9	239.2	246.0	247.8	247.6	247.2	247.0
170°	242.0	242.2	242.3	242.4	242.6	242.9	248.5	250.1	249.9	249.4	249.1
172.5°	245.3	245.6	245.8	245.9	246.1	246.4	251.2	252.5	252.3	252.1	251.7
175°	247.0	247.0	247.2	247.5	247.7	247.8	251.7	252.7	252.6	252.4	252.2
177.5°	249.7	249.8	250.0	250.1	250.3	250.5	252.8	253.5	253.4	253.4	253.3
180°	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6



TEST NUMBER: P1444595  
 CATALOG NUMBER: EHBR1-30-UNV-TA-L850-UPL15

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6
2.5°	25869.0	25878.1	25879.4	25890.0	25889.2	25901.8	25899.8	25910.1	25904.1	25912.6	25905.4
5°	26476.6	26531.7	26560.5	26614.2	26631.2	26679.4	26693.0	26736.9	26738.7	26773.6	26765.6
7.5°	27335.6	27416.8	27465.0	27531.5	27565.2	27620.6	27645.0	27685.9	27699.2	27731.7	27734.1
10°	27848.6	27888.0	27915.6	27934.1	27951.0	27959.0	27968.2	27965.8	27968.2	27964.6	27972.5
12.5°	27646.8	27589.3	27551.1	27479.0	27437.2	27357.5	27318.3	27241.7	27213.9	27148.1	27138.6
15°	26625.0	26424.3	26282.4	26076.3	25946.6	25743.7	25625.0	25441.9	25358.3	25212.8	25174.6
17.5°	24762.5	24390.0	24101.6	23731.7	23475.1	23129.4	22912.0	22625.9	22469.2	22238.5	22158.6
20°	22151.5	21600.2	21167.7	20652.5	20283.8	19824.3	19530.3	19159.4	18944.0	18660.6	18545.8
22.5°	19086.0	18399.5	17859.5	17250.8	16806.0	16294.0	15941.7	15540.3	15306.1	14998.2	14861.9
25°	15926.3	15169.4	14569.0	13927.7	13457.7	12944.5	12592.0	12197.8	11955.4	11663.1	11527.6
27.5°	12904.4	12138.3	11558.0	10961.7	10530.6	10067.6	9749.6	9405.3	9190.2	8940.7	8813.3
30°	10237.7	9562.0	9068.1	8573.3	8214.7	7838.6	7574.3	7289.1	7100.3	6886.7	6765.2
32.5°	8065.0	7543.3	7156.7	6764.1	6470.6	6156.2	5927.9	5676.2	5505.8	5315.0	5205.1
35°	6387.4	5982.1	5673.6	5350.5	5098.2	4830.6	4629.4	4412.1	4259.3	4095.0	4000.0
37.5°	5046.7	4724.4	4470.5	4202.1	3995.0	3773.2	3698.6	3449.3	3290.8	3159.7	3068.9
40°	3960.6	3704.4	3494.4	3289.1	3120.1	2951.9	2817.0	2683.8	2581.5	2487.7	2422.9
42.5°	3093.0	2907.2	2753.9	2603.5	2480.3	2357.8	2259.9	2168.2	2099.3	2038.0	1996.2
45°	2458.7	2331.0	2224.5	2118.6	2031.6	1949.8	1884.0	1825.5	1781.0	1744.1	1718.0
47.5°	2020.0	1932.5	1857.3	1785.9	1726.8	1673.2	1629.1	1614.8	1566.9	1534.7	1522.4
50°	1716.6	1663.9	1606.7	1554.1	1514.6	1475.4	1446.8	1418.8	1400.8	1386.0	1381.6
52.5°	1490.3	1449.9	1418.2	1384.8	1358.8	1330.9	1311.1	1292.5	1282.7	1274.9	1273.9
55°	1322.0	1293.9	1272.7	1250.3	1234.8	1218.4	1208.2	1198.4	1194.1	1190.1	1190.4
57.5°	1194.7	1175.9	1162.1	1147.6	1139.2	1131.4	1128.8	1126.3	1127.7	1128.2	1130.4
60°	1101.9	1089.6	1081.1	1072.7	1069.2	1066.7	1068.6	1070.8	1075.3	1078.9	1082.2
62.5°	1030.8	1023.8	1019.6	1015.2	1014.8	1015.0	1018.8	1022.5	1028.2	1032.4	1035.5
65°	957.6	953.6	952.3	949.4	950.8	951.7	956.3	959.2	964.8	968.1	972.2
67.5°	883.7	882.8	883.6	883.6	886.2	888.4	892.8	896.0	900.8	903.9	907.1
70°	829.0	829.4	831.5	831.8	834.6	836.1	839.9	842.1	846.3	849.0	852.9
72.5°	776.0	775.1	775.6	774.3	775.3	774.9	777.0	778.1	781.7	783.8	788.5
75°	719.4	717.1	716.5	713.9	714.0	712.2	713.0	712.9	715.3	716.3	719.7
77.5°	651.2	647.1	645.2	640.8	640.7	639.2	640.8	641.9	646.1	648.1	652.0
80°	569.4	563.1	560.2	555.3	556.2	555.9	560.0	563.2	568.3	569.3	574.3
82.5°	473.3	466.9	463.8	458.9	460.1	460.2	464.0	464.6	469.1	471.1	476.8
85°	338.9	341.3	334.6	335.1	333.6	336.2	338.9	342.1	345.9	352.0	356.9
87.5°	199.6	198.7	201.1	201.4	204.8	206.7	212.2	215.3	221.6	226.4	235.3
90°	98.2	94.7	96.2	94.7	97.6	96.3	99.0	97.1	100.5	100.6	105.0
92.5°	40.9	38.7	35.9	33.5	30.8	28.7	27.1	26.2	24.8	24.0	22.5
95°	55.2	51.6	47.8	44.1	40.5	36.7	35.4	34.0	32.7	31.3	30.0
97.5°	64.2	60.3	56.3	52.3	48.2	44.3	43.4	42.5	41.6	40.7	39.8
100°	92.2	84.5	76.8	69.1	61.4	53.7	53.0	52.3	51.6	50.9	50.1
102.5°	185.5	167.7	150.1	132.4	114.8	97.2	94.2	91.2	88.0	85.0	81.9
105°	339.6	311.3	283.1	254.8	226.7	198.4	190.1	181.4	173.1	164.6	156.3
107.5°	485.4	457.8	430.3	402.7	375.2	347.7	334.4	321.1	307.6	294.4	281.1
110°	558.8	542.2	525.7	508.9	492.4	475.9	463.0	450.5	437.6	424.9	412.3



TEST NUMBER: P1444595  
 CATALOG NUMBER: EHBR1-30-UNV-TA-L850-UPL15

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	567.3	558.9	550.5	542.1	533.9	525.4	519.2	512.9	506.8	500.5	494.2
115°	528.3	525.5	522.7	519.9	517.2	514.3	513.7	513.4	512.7	512.3	511.9
117.5°	463.2	463.6	463.7	464.0	464.4	464.7	467.9	470.9	474.1	477.5	480.7
120°	398.9	400.9	402.7	404.7	406.7	408.8	412.9	417.3	421.4	425.9	430.3
122.5°	345.5	346.6	347.7	349.2	350.4	351.7	355.7	359.9	364.0	368.4	372.8
125°	304.7	304.3	304.1	303.7	303.3	303.2	306.4	309.8	313.2	316.8	320.1
127.5°	277.6	276.1	274.7	273.4	271.9	270.6	272.4	274.3	275.9	277.9	279.9
130°	261.6	259.5	257.3	255.2	252.8	250.8	251.3	251.8	252.2	252.8	253.4
132.5°	252.8	250.5	247.9	245.5	243.0	240.6	240.1	239.7	239.2	239.0	238.7
135°	247.4	245.3	242.7	240.4	238.0	235.7	234.8	233.8	233.0	232.2	231.5
137.5°	244.3	242.3	240.5	238.6	236.4	234.6	233.3	232.3	231.1	230.3	229.3
140°	242.5	241.0	239.2	237.6	235.9	234.5	233.3	232.4	231.5	230.7	229.9
142.5°	241.3	240.3	238.9	237.7	236.3	235.2	234.2	233.3	232.3	231.5	230.7
145°	242.0	241.2	240.3	239.3	238.5	237.6	236.6	235.9	235.2	234.6	234.0
147.5°	241.4	240.9	240.2	239.5	238.7	238.0	237.4	237.0	236.2	235.8	235.3
150°	240.7	240.2	239.5	239.1	238.3	237.7	237.2	236.8	236.3	236.1	235.6
152.5°	239.0	238.6	238.0	237.5	236.8	236.3	235.9	235.6	235.3	235.0	234.4
155°	238.4	238.0	237.5	237.1	236.5	236.2	235.7	235.3	235.0	234.6	234.1
157.5°	238.8	238.5	238.0	237.7	237.1	236.7	236.3	235.9	235.5	235.2	234.8
160°	239.7	239.4	238.9	238.6	238.2	237.8	237.2	236.8	236.2	235.8	235.4
162.5°	241.6	241.2	240.9	240.4	239.9	239.5	239.0	238.6	238.2	237.8	237.3
165°	243.6	243.2	242.8	242.4	242.2	241.8	241.2	240.9	240.3	239.9	239.3
167.5°	246.7	246.4	246.0	245.7	245.2	244.9	244.5	244.0	243.5	243.0	242.5
170°	248.8	248.4	248.1	247.6	247.2	246.8	246.5	246.0	245.5	245.2	244.7
172.5°	251.4	251.3	251.0	250.7	250.2	249.9	249.6	249.2	248.8	248.4	248.2
175°	252.2	252.1	252.0	251.7	251.6	251.4	251.2	251.1	250.9	250.8	250.5
177.5°	253.3	253.2	253.2	253.0	252.9	252.9	252.7	252.6	252.4	252.2	252.2
180°	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6



TEST NUMBER: P1444595  
 CATALOG NUMBER: EHBR1-30-UNV-TA-L850-UPL15

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6
2.5°	25912.9	25906.3	25909.5	25897.3	25900.2	25885.6	25884.2	25867.6	25866.0	25850.4	25844.6
5°	26790.3	26775.8	26792.1	26766.8	26771.7	26738.7	26736.0	26693.3	26678.6	26625.1	26602.1
7.5°	27754.5	27749.1	27759.0	27737.8	27737.1	27707.6	27695.5	27657.2	27633.5	27577.5	27541.6
10°	27965.8	27970.8	27962.6	27964.6	27953.1	27949.9	27938.2	27930.7	27911.5	27897.0	27875.6
12.5°	27088.6	27093.8	27060.4	27081.6	27064.8	27104.0	27100.9	27146.9	27154.0	27212.4	27234.5
15°	25061.3	25055.0	24990.7	25031.2	25009.5	25095.4	25114.6	25230.2	25292.0	25440.4	25531.6
17.5°	21998.7	21982.2	21891.7	21941.1	21916.0	22042.6	22085.2	22269.9	22385.2	22624.3	22794.7
20°	18348.1	18316.4	18210.6	18268.2	18242.4	18386.3	18447.0	18670.4	18819.0	19135.7	19361.0
22.5°	14652.0	14602.0	14498.3	14552.2	14527.8	14676.8	14755.8	14979.9	15150.3	15475.3	15738.3
25°	11332.9	11288.3	11188.3	11225.9	11216.8	11343.0	11413.1	11625.2	11792.4	12102.2	12353.1
27.5°	8644.0	8597.5	8507.0	8533.7	8524.5	8632.0	8698.2	8875.3	9019.2	9279.9	9500.3
30°	6615.6	6559.7	6482.9	6497.7	6491.4	6578.4	6640.2	6789.4	6912.8	7133.1	7323.0
32.5°	5070.9	5014.6	4944.1	4951.0	4941.7	5010.0	5061.0	5190.7	5298.2	5485.5	5650.9
35°	3879.9	3945.6	3795.0	3890.4	3791.1	3937.0	3884.5	3965.6	4058.1	4215.9	4353.8
37.5°	2982.8	2936.9	2898.2	2894.1	2893.9	2927.7	2967.6	3045.6	3127.1	3244.7	3366.2
40°	2363.7	2331.5	2306.5	2304.6	2306.5	2330.5	2359.9	2413.9	2473.6	2558.0	2647.3
42.5°	1960.4	1939.1	1924.0	1922.9	1927.7	1944.7	1965.2	1997.3	2036.1	2090.9	2152.1
45°	1696.8	1684.9	1676.5	1676.1	1678.2	1687.1	1698.9	1718.9	1743.4	1777.6	1816.3
47.5°	1511.7	1508.9	1503.6	1503.8	1501.4	1505.0	1506.4	1517.6	1530.7	1556.4	1607.0
50°	1377.1	1377.1	1373.4	1373.2	1369.8	1369.6	1366.7	1371.2	1377.3	1393.3	1409.4
52.5°	1270.6	1270.2	1266.3	1265.5	1261.8	1261.6	1259.2	1261.0	1261.7	1269.8	1279.5
55°	1187.4	1184.8	1179.7	1178.0	1176.7	1178.7	1177.8	1177.9	1176.8	1180.2	1183.1
57.5°	1127.7	1124.4	1119.5	1118.0	1117.7	1120.2	1120.3	1119.4	1114.9	1111.8	1107.5
60°	1080.4	1077.2	1071.9	1070.5	1071.3	1074.7	1074.5	1071.7	1065.0	1059.2	1052.3
62.5°	1033.9	1032.7	1029.9	1029.6	1028.9	1029.5	1027.1	1024.0	1017.4	1011.3	1003.9
65°	971.7	972.4	970.4	970.7	968.2	967.8	964.2	961.3	954.6	949.0	941.4
67.5°	907.0	907.5	905.9	905.9	904.7	904.9	902.6	899.9	894.2	889.6	883.8
70°	853.7	855.1	854.1	854.4	852.9	852.3	848.9	846.2	840.3	836.5	831.3
72.5°	789.9	792.8	792.7	793.4	791.1	789.9	785.8	782.5	777.2	774.1	769.9
75°	721.1	724.8	725.8	727.5	724.2	722.5	717.9	715.3	711.0	709.2	706.5
77.5°	653.8	657.9	661.9	665.5	660.2	655.5	649.9	645.6	639.5	637.0	632.8
80°	578.3	585.6	594.3	601.5	592.1	582.5	573.3	566.4	558.2	554.9	549.5
82.5°	479.7	487.2	492.2	496.9	490.3	483.3	474.3	468.3	459.5	456.3	450.0
85°	364.5	373.8	376.7	379.3	375.0	371.3	362.9	351.5	346.0	337.2	332.7
87.5°	239.8	245.3	246.4	247.2	244.6	242.8	237.3	232.0	222.5	215.6	207.3
90°	104.1	107.1	104.3	105.0	102.4	103.4	98.6	97.4	90.4	88.1	81.8
92.5°	21.5	20.0	19.0	17.7	19.4	20.1	21.7	22.5	23.9	24.8	26.2
95°	28.6	27.3	25.9	24.6	25.6	26.7	27.8	28.9	30.0	31.0	32.1
97.5°	38.9	37.9	37.0	36.1	36.7	37.4	38.0	38.7	39.3	40.0	40.7
100°	49.4	48.7	47.9	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
102.5°	78.9	75.7	72.7	69.6	71.7	73.8	75.8	77.9	80.1	82.1	84.2
105°	147.8	139.5	131.0	122.7	130.8	138.9	147.0	155.2	163.3	171.6	179.8
107.5°	267.8	254.5	241.2	228.0	242.9	257.7	272.5	287.2	302.1	316.8	331.8
110°	399.7	387.0	374.4	361.8	377.5	393.2	408.9	424.6	440.4	456.1	472.0



TEST NUMBER: P1444595  
 CATALOG NUMBER: EHBR1-30-UNV-TA-L850-UPL15

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	488.0	481.9	475.7	469.6	479.7	489.9	500.0	510.3	520.3	530.5	540.6
115°	511.4	511.0	510.7	510.3	515.1	519.9	524.6	529.5	534.5	539.3	544.2
117.5°	484.0	487.3	490.7	494.2	495.8	497.2	498.9	500.4	502.1	503.7	505.5
120°	434.9	439.1	443.7	448.3	447.7	447.0	446.5	446.0	445.6	445.1	444.9
122.5°	377.2	381.6	386.2	390.8	389.4	388.0	386.8	385.5	384.5	383.2	382.2
125°	324.0	327.5	331.3	335.1	333.7	332.3	331.1	330.0	328.9	327.7	326.9
127.5°	282.1	284.3	286.4	288.8	288.2	287.5	287.2	286.6	286.3	286.0	285.9
130°	254.2	255.1	256.2	257.2	257.4	257.6	257.8	258.2	258.8	259.3	260.0
132.5°	238.8	238.7	238.8	239.0	239.7	240.5	241.3	242.3	243.5	244.6	246.1
135°	231.0	230.5	230.1	229.9	230.9	231.9	233.2	234.5	236.0	237.6	239.3
137.5°	228.7	228.0	227.5	226.8	227.9	229.0	230.2	231.5	233.1	234.7	236.3
140°	229.2	228.6	228.2	227.6	228.7	229.7	230.9	232.2	233.7	235.3	236.9
142.5°	230.1	229.5	229.1	228.7	229.5	230.4	231.7	232.8	234.3	235.5	237.0
145°	233.4	232.8	232.5	232.1	232.7	233.5	234.3	235.2	236.2	237.1	238.4
147.5°	234.9	234.5	234.3	234.0	234.6	235.0	235.6	236.1	237.0	237.7	238.7
150°	235.6	235.2	235.0	234.9	235.2	235.4	235.8	236.1	236.6	237.1	237.9
152.5°	234.3	233.9	233.9	233.7	233.9	234.2	234.6	234.9	235.3	235.6	236.2
155°	233.9	233.6	233.3	233.0	233.0	233.0	233.2	233.2	233.4	233.5	233.8
157.5°	234.6	234.2	234.0	233.6	233.5	233.3	233.3	233.2	233.2	233.0	233.1
160°	235.1	234.6	234.2	233.8	233.8	233.6	233.6	233.4	233.5	233.5	233.5
162.5°	237.0	236.6	236.4	236.0	235.8	235.5	235.3	234.9	234.7	234.5	234.4
165°	238.8	238.3	237.9	237.4	237.3	237.1	236.9	236.7	236.6	236.4	236.4
167.5°	242.2	241.6	241.2	240.8	240.5	240.1	239.9	239.5	239.3	239.0	238.9
170°	244.4	243.9	243.6	243.2	243.0	242.7	242.6	242.4	242.3	242.2	242.2
172.5°	247.9	247.5	247.2	246.9	246.7	246.6	246.5	246.4	246.3	246.3	246.2
175°	250.4	250.2	250.1	250.0	249.8	249.7	249.5	249.4	249.3	249.1	249.0
177.5°	251.9	251.7	251.6	251.5	251.4	251.4	251.4	251.4	251.4	251.3	251.2
180°	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6



TEST NUMBER: P1444595  
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**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6
2.5°	25827.8	25821.1	25803.2	25794.3	25777.8	25769.5	25756.6	25748.3	25737.9	25730.1	25726.1
5°	26543.4	26510.4	26444.2	26403.4	26332.0	26285.0	26214.0	26161.9	26088.6	26034.6	25965.4
7.5°	27474.5	27423.8	27339.1	27274.7	27174.7	27098.3	26986.1	26896.4	26772.4	26669.5	26542.8
10°	27853.6	27824.0	27785.9	27744.6	27689.2	27634.8	27558.2	27480.1	27376.1	27272.6	27137.3
12.5°	27293.3	27321.2	27376.1	27401.7	27443.7	27457.9	27477.2	27468.1	27451.1	27408.9	27347.5
15°	25706.6	25822.9	26006.6	26133.6	26311.6	26436.7	26602.1	26708.5	26831.2	26904.5	26974.2
17.5°	23096.6	23321.5	23645.6	23904.1	24251.4	24533.6	24879.4	25151.1	25464.8	25705.5	25961.7
20°	19753.6	20068.4	20515.9	20895.9	21398.9	21825.4	22372.0	22829.7	23363.7	23808.9	24289.3
22.5°	16155.6	16526.0	17038.6	17496.9	18097.7	18634.2	19318.9	19924.1	20646.1	21292.8	22008.2
25°	12761.3	13124.2	13646.5	14121.1	14769.5	15360.6	16108.6	16803.0	17640.7	18421.9	19318.9
27.5°	9850.5	10172.9	10632.0	11059.2	11653.1	12233.3	12992.4	13732.9	14626.8	15466.4	16432.9
30°	7607.4	7868.9	8236.8	8580.4	9057.2	9531.7	10207.9	10892.7	11782.2	12652.2	13643.2
32.5°	5895.4	6118.5	6425.6	6704.5	7071.9	7429.7	7927.7	8474.9	9255.1	10088.5	11046.6
35°	4563.8	4754.5	5015.9	5256.2	5558.3	5842.4	6214.0	6604.5	7200.0	7901.0	8758.4
37.5°	3638.5	3716.3	3902.8	4099.6	4350.6	4584.0	4874.7	5163.5	5589.6	6142.6	6843.0
40°	2767.0	2890.6	3042.3	3197.4	3387.4	3574.6	3893.6	4047.1	4327.5	4724.6	5268.3
42.5°	2232.6	2319.5	2426.3	2534.2	2666.6	2796.9	2958.2	3122.6	3332.2	3601.1	3987.9
45°	1868.3	1925.0	1993.8	2065.6	2152.7	2241.6	2349.6	2462.4	2604.5	2769.8	3004.7
47.5°	1624.9	1656.2	1701.2	1750.2	1809.8	1871.4	1941.7	2013.6	2101.9	2199.9	2333.6
50°	1434.9	1461.0	1496.0	1528.8	1569.9	1633.0	1660.9	1700.6	1753.7	1811.4	1886.2
52.5°	1297.5	1314.9	1336.8	1355.6	1381.7	1405.2	1436.3	1463.6	1500.3	1535.0	1583.3
55°	1190.4	1196.7	1209.2	1221.3	1239.2	1255.5	1276.7	1294.5	1318.0	1338.7	1369.2
57.5°	1107.7	1108.3	1114.1	1120.4	1132.0	1142.1	1156.7	1168.5	1184.7	1198.0	1216.3
60°	1048.3	1045.1	1046.3	1048.5	1055.1	1061.6	1071.0	1078.6	1088.9	1096.3	1106.6
62.5°	998.9	993.9	992.8	992.2	995.4	997.8	1002.9	1006.6	1012.4	1015.7	1021.2
65°	936.4	930.6	928.3	925.6	926.6	925.8	927.7	927.8	930.7	931.4	934.5
67.5°	879.7	874.9	872.0	868.3	866.7	864.1	862.9	860.5	860.1	857.9	857.4
70°	828.1	823.3	820.8	817.5	815.8	812.3	810.2	806.0	803.5	799.6	797.4
72.5°	768.3	765.6	764.9	762.5	762.0	760.1	759.2	756.3	754.5	751.1	749.3
75°	705.9	703.6	703.4	701.2	701.0	698.7	698.1	695.0	693.3	690.0	688.5
77.5°	631.4	628.2	627.2	624.5	625.2	624.0	625.0	622.6	621.6	618.2	617.2
80°	547.6	543.4	541.6	538.1	539.1	537.5	539.1	538.9	540.2	537.5	537.0
82.5°	448.3	443.7	442.8	440.4	442.0	442.2	445.8	443.8	444.6	442.1	443.1
85°	326.2	322.8	318.0	317.4	314.2	317.5	313.3	316.1	311.6	314.7	310.5
87.5°	202.3	195.2	191.4	186.3	184.5	179.6	177.6	174.1	175.0	173.5	174.4
90°	81.0	75.4	75.0	70.8	71.3	67.9	69.2	67.0	68.9	66.5	68.7
92.5°	27.1	28.3	30.4	32.8	34.8	36.9	39.0	41.5	43.4	45.8	47.7
95°	33.2	34.3	37.1	40.1	42.9	45.8	48.8	51.7	54.5	57.5	60.3
97.5°	41.4	41.9	44.8	47.7	50.6	53.5	56.4	59.5	62.4	65.3	68.2
100°	47.2	47.3	55.6	63.7	72.0	80.3	88.5	96.7	105.1	113.3	121.5
102.5°	86.2	88.3	109.0	129.9	150.7	171.4	192.2	213.1	233.9	254.8	275.6
105°	187.8	196.1	227.7	259.5	291.1	323.0	354.7	386.6	418.4	450.2	481.9
107.5°	346.5	361.5	390.2	418.8	447.5	476.3	505.1	533.8	562.6	591.3	620.2
110°	487.7	503.5	522.8	542.0	561.4	580.6	599.9	619.2	638.7	657.9	677.4



TEST NUMBER: P1444595  
 CATALOG NUMBER: EHBR1-30-UNV-TA-L850-UPL15

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	550.9	561.2	572.4	583.8	595.1	606.5	617.7	629.1	640.5	652.0	663.4
115°	549.2	554.1	558.4	563.0	567.5	572.1	576.7	581.4	586.1	590.7	595.5
117.5°	507.1	509.0	509.8	510.7	511.6	512.7	513.6	514.6	515.8	516.9	517.9
120°	444.4	444.1	443.6	443.1	442.5	442.2	441.9	441.6	441.3	441.1	440.7
122.5°	381.1	380.2	379.7	379.5	379.1	378.9	378.6	378.6	378.3	378.2	378.0
125°	325.9	325.0	326.0	327.0	328.1	329.3	330.2	331.5	332.7	333.9	335.2
127.5°	285.6	285.7	287.8	289.9	291.9	294.2	296.5	298.7	300.8	303.2	305.4
130°	260.8	261.7	264.1	266.9	269.4	272.3	275.0	277.9	280.4	283.3	285.9
132.5°	247.3	248.9	251.2	253.9	256.5	259.2	261.8	264.5	267.2	270.0	272.4
135°	241.1	242.8	245.2	247.6	250.1	252.6	255.0	257.7	260.0	262.5	264.8
137.5°	238.0	239.9	241.9	243.9	245.9	248.1	250.1	252.2	254.1	256.3	258.2
140°	238.6	240.4	241.6	243.1	244.5	245.9	247.0	248.5	249.8	251.3	252.5
142.5°	238.5	240.3	241.1	242.1	242.9	244.2	245.2	246.3	247.0	247.9	248.8
145°	239.6	240.9	241.1	241.6	242.1	242.6	242.9	243.3	243.6	244.0	244.3
147.5°	239.6	240.7	240.7	241.0	241.2	241.3	241.4	241.6	241.7	241.9	242.0
150°	238.4	239.2	239.0	239.1	238.9	238.9	238.8	238.8	238.6	238.7	238.5
152.5°	236.6	237.2	236.8	236.9	236.6	236.4	236.2	236.1	235.8	235.7	235.6
155°	233.9	234.2	234.0	233.9	233.7	233.6	233.5	233.6	233.5	233.4	233.4
157.5°	233.1	233.1	233.0	232.9	232.7	232.7	232.7	232.7	232.7	232.9	233.0
160°	233.4	233.5	233.3	233.2	233.1	233.0	233.0	233.1	233.1	233.4	233.5
162.5°	234.1	234.0	233.8	233.7	233.6	233.6	233.7	233.9	233.9	234.1	234.3
165°	236.4	236.5	236.1	236.1	235.9	235.8	235.8	235.8	235.9	236.0	236.1
167.5°	238.7	238.6	238.6	238.7	238.7	238.8	238.9	239.3	239.4	239.8	239.8
170°	242.1	242.2	242.0	242.0	241.9	241.9	241.9	241.9	241.9	242.0	242.0
172.5°	246.2	246.2	246.0	245.8	245.6	245.5	245.4	245.3	245.1	245.0	244.8
175°	248.8	248.7	248.6	248.5	248.4	248.2	248.2	247.9	247.8	247.7	247.6
177.5°	251.1	250.9	250.8	250.8	250.7	250.6	250.6	250.5	250.5	250.5	250.3
180°	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6



TEST NUMBER: P1444595  
 CATALOG NUMBER: EHBR1-30-UNV-TA-L850-UPL15

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6
2.5°	25720.9	25720.6	25718.1	25719.3	25719.8	25721.6	25723.8	25726.1	25726.6	25728.3	25728.7
5°	25913.4	25849.7	25802.7	25750.9	25712.0	25677.0	25653.7	25635.1	25627.9	25629.7	25634.0
7.5°	26435.4	26304.0	26195.6	26072.4	25969.7	25860.8	25770.7	25684.9	25622.4	25575.9	25549.8
10°	27008.1	26848.1	26695.1	26516.8	26347.7	26167.1	26003.6	25838.9	25701.7	25582.5	25494.9
12.5°	27262.4	27149.2	27016.9	26848.6	26667.7	26459.3	26249.0	26023.5	25813.8	25619.1	25462.1
15°	26993.2	26993.4	26945.2	26864.4	26738.7	26572.2	26371.8	26136.8	25889.3	25636.9	25406.2
17.5°	26138.9	26300.1	26389.7	26446.5	26429.0	26367.7	26240.2	26059.7	25829.0	25560.1	25278.6
20°	24671.8	25052.0	25323.0	25566.7	25703.4	25794.1	25785.1	25711.6	25547.4	25318.7	25025.6
22.5°	22616.7	23254.8	23758.3	24227.8	24557.1	24824.9	24952.3	25006.4	24931.9	24772.7	24497.4
25°	20120.5	20988.0	21728.5	22447.0	22986.0	23449.2	23727.6	23923.8	23939.4	23856.1	23610.5
27.5°	17346.7	18370.9	19308.0	20262.9	21021.0	21686.8	22123.8	22443.6	22545.2	22531.8	22308.8
30°	14576.6	15651.7	16684.7	17798.2	18736.2	19586.9	20164.1	20596.6	20763.3	20795.2	20580.7
32.5°	11960.4	13020.7	14050.7	15214.9	16247.1	17222.1	17904.0	18417.8	18611.6	18657.2	18421.9
35°	9586.2	10564.3	11543.1	12671.5	13697.7	14707.4	15425.9	15963.8	16144.8	16175.3	15903.0
37.5°	7527.2	8360.6	9213.6	10225.9	11168.3	12116.6	12799.3	13304.8	13436.6	13428.4	13120.2
40°	5793.6	6441.5	7126.8	7960.3	8743.8	9545.4	10121.9	10539.7	10609.0	10557.7	10234.0
42.5°	4356.4	4824.4	5321.3	5943.4	6524.8	7124.7	7544.1	7854.4	7864.2	7783.1	7492.4
45°	3245.5	3702.1	3910.5	4286.6	4661.0	5060.0	5316.1	5507.7	5478.1	5406.7	5185.8
47.5°	2474.2	2649.6	2835.7	3068.9	3287.1	3739.7	3706.2	4014.0	3792.3	3943.5	3610.8
50°	1964.8	2062.8	2163.1	2286.8	2400.8	2519.2	2593.1	2648.3	2641.2	2617.4	2553.6
52.5°	1671.5	1701.8	1751.2	1821.6	1885.3	1949.2	1991.4	2025.6	2026.2	2016.7	1984.4
55°	1397.0	1435.5	1471.0	1517.0	1595.3	1607.4	1667.8	1655.5	1660.3	1643.5	1660.7
57.5°	1231.8	1254.1	1274.1	1301.5	1324.1	1350.5	1366.2	1381.2	1379.7	1376.5	1360.1
60°	1114.6	1127.0	1138.1	1154.1	1166.5	1181.4	1188.6	1196.2	1193.8	1188.2	1173.5
62.5°	1024.3	1032.1	1038.4	1048.7	1056.2	1065.6	1069.3	1072.5	1069.3	1064.0	1051.1
65°	935.2	940.2	944.3	952.0	957.3	965.3	968.4	971.5	968.5	964.4	954.6
67.5°	854.9	855.4	855.0	858.1	859.8	864.6	866.0	868.2	864.7	861.2	852.9
70°	794.0	792.7	791.2	792.4	792.7	795.0	795.4	795.0	790.9	784.7	775.7
72.5°	746.3	745.6	744.5	745.5	745.5	747.6	747.0	745.9	740.8	734.9	725.9
75°	685.0	684.6	682.3	682.4	680.5	681.1	678.7	677.3	671.6	666.6	658.6
77.5°	613.4	612.3	608.9	607.6	604.0	602.5	597.8	595.6	589.8	585.7	578.9
80°	533.5	532.2	527.9	525.5	519.7	516.1	509.2	505.3	498.7	494.8	488.1
82.5°	440.9	441.4	437.1	434.2	425.9	419.6	410.4	405.5	398.2	394.4	387.4
85°	313.6	309.1	311.5	311.3	306.2	300.7	293.2	288.0	281.8	278.2	273.4
87.5°	172.0	173.1	171.8	170.7	167.1	164.3	158.5	155.5	151.0	148.7	145.1
90°	63.3	62.4	57.2	56.4	51.4	49.0	43.3	41.6	36.3	35.4	31.7
92.5°	45.3	42.8	40.7	38.0	35.8	33.3	30.9	28.5	26.0	25.0	24.5
95°	56.8	53.3	49.9	46.4	42.8	39.3	36.0	32.4	28.9	28.2	27.4
97.5°	64.1	60.0	55.8	51.8	47.6	43.5	39.4	35.3	31.1	30.6	30.3
100°	112.1	102.5	92.9	83.4	73.9	64.3	54.9	45.3	35.9	35.3	34.8
102.5°	252.4	229.4	206.3	183.2	160.2	137.0	113.9	90.8	67.7	64.3	61.0
105°	446.9	411.9	377.1	342.1	307.1	272.1	237.2	202.1	167.1	155.9	144.6
107.5°	587.4	554.5	521.7	488.9	456.0	423.3	390.2	357.3	324.3	304.6	284.9
110°	651.3	625.3	599.4	573.4	547.4	521.4	495.3	469.2	443.2	426.1	409.3



TEST NUMBER: P1444595  
 CATALOG NUMBER: EHBR1-30-UNV-TA-L850-UPL15

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	644.5	625.5	606.7	587.6	568.6	549.6	530.5	511.5	492.3	482.1	471.9
115°	584.2	572.8	561.6	550.2	538.9	527.5	516.2	504.6	493.2	487.9	482.6
117.5°	512.5	506.8	501.3	495.5	489.9	484.1	478.5	472.7	467.0	465.3	463.5
120°	439.6	438.1	436.5	435.1	433.5	431.9	430.3	428.8	427.1	427.6	428.1
122.5°	379.1	380.0	381.2	382.1	383.2	384.1	385.2	385.8	386.8	388.6	390.4
125°	337.2	339.3	341.3	343.4	345.5	347.4	349.5	351.4	353.5	355.2	357.2
127.5°	307.8	310.0	312.5	314.7	317.1	319.2	321.6	323.7	326.0	327.7	329.5
130°	288.1	290.1	292.2	294.2	296.3	298.3	300.3	302.3	304.4	305.8	307.4
132.5°	274.4	276.3	278.3	279.9	282.0	283.8	285.7	287.6	289.6	290.8	292.0
135°	266.5	268.0	269.4	270.8	272.6	274.0	275.5	277.1	278.8	279.8	280.8
137.5°	259.6	260.7	262.2	263.3	264.8	266.0	267.5	268.8	270.4	271.0	271.9
140°	253.7	255.1	256.4	257.7	259.1	260.3	261.9	263.3	264.9	265.5	266.4
142.5°	250.0	250.9	252.1	253.0	254.2	255.2	256.6	257.8	259.2	259.9	260.7
145°	245.5	246.7	247.8	249.0	250.1	251.5	252.9	254.4	255.9	256.4	257.1
147.5°	242.9	243.9	245.0	246.0	247.0	248.1	249.5	250.8	252.2	252.6	253.3
150°	239.6	240.6	241.5	242.5	243.7	245.0	246.3	247.6	249.2	249.8	250.5
152.5°	236.6	237.7	238.8	240.0	241.1	242.4	243.8	245.3	246.7	247.2	248.0
155°	234.5	235.5	236.6	237.9	239.1	240.3	241.6	243.0	244.4	245.2	245.8
157.5°	234.0	234.9	235.9	237.1	238.1	239.3	240.6	241.7	243.0	243.6	244.2
160°	234.5	235.3	236.3	237.3	238.3	239.3	240.5	241.4	242.6	243.2	243.8
162.5°	235.3	236.1	237.2	237.9	239.1	240.1	241.2	242.1	243.3	243.8	244.3
165°	236.9	237.6	238.4	239.1	239.9	240.6	241.5	242.2	243.2	243.6	244.2
167.5°	240.6	241.1	241.5	242.1	242.9	243.5	244.2	244.8	245.6	246.0	246.5
170°	242.6	243.1	243.5	244.1	244.7	245.3	245.8	246.3	247.0	247.4	247.9
172.5°	245.2	245.4	245.9	246.2	246.5	246.7	247.2	247.6	248.0	248.5	248.9
175°	247.9	248.0	248.2	248.3	248.4	248.6	248.9	249.1	249.3	249.6	249.9
177.5°	250.4	250.5	250.6	250.7	251.0	251.1	251.3	251.4	251.6	251.9	252.2
180°	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6



TEST NUMBER: P1444595  
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**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6
2.5°	25727.8	25727.6	25726.8	25725.6	25724.4	25725.1	25726.3	25729.2	25734.4	25741.9	25751.6
5°	25637.6	25642.9	25645.8	25646.2	25643.5	25641.9	25644.3	25651.4	25665.7	25689.6	25721.9
7.5°	25542.9	25549.4	25559.3	25566.7	25568.2	25566.4	25566.7	25577.8	25604.2	25650.7	25716.1
10°	25441.7	25422.5	25432.7	25451.2	25466.0	25468.6	25470.5	25483.5	25522.1	25592.4	25697.4
12.5°	25348.4	25287.5	25275.8	25292.5	25314.9	25322.1	25320.1	25325.7	25370.8	25463.9	25610.3
15°	25225.5	25111.0	25071.9	25076.2	25103.8	25113.8	25106.5	25095.4	25139.4	25253.1	25442.4
17.5°	25026.7	24842.1	24770.1	24767.0	24799.3	24807.9	24790.2	24755.7	24798.9	24940.9	25176.0
20°	24724.5	24452.0	24316.5	24295.0	24330.1	24319.8	24284.4	24232.3	24289.1	24461.7	24741.2
22.5°	24181.2	23835.9	23604.4	23529.8	23571.8	23543.7	23492.0	23425.6	23501.0	23697.2	24008.5
25°	23293.5	22894.4	22577.6	22399.8	22433.3	22383.1	22326.7	22246.2	22336.1	22561.3	22904.0
27.5°	21988.5	21527.6	21134.9	20840.7	20851.5	20785.7	20720.8	20616.6	20728.9	20995.3	21381.8
30°	20253.3	19719.9	19241.8	18841.9	18806.1	18742.3	18675.8	18539.0	18679.6	18998.5	19450.2
32.5°	18074.1	17481.9	16929.5	16423.9	16328.5	16266.2	16207.0	16049.5	16233.6	16605.5	17124.5
35°	15525.7	14894.9	14295.9	13718.4	13560.5	13498.2	13446.4	13295.5	13525.3	13930.0	14490.4
37.5°	12728.5	12084.1	11489.4	10897.2	10673.9	10589.5	10551.8	10453.0	10718.1	11118.4	11681.1
40°	9856.8	9257.6	8724.5	8201.4	7946.9	7817.7	7797.9	7779.9	8036.2	8383.6	8894.2
42.5°	7170.4	6687.1	6276.0	5876.2	5645.4	5468.9	5468.8	5522.5	5753.2	6013.3	6407.2
45°	4960.0	4635.6	4373.7	4106.5	4177.9	3826.1	4032.8	3926.7	4040.7	4208.5	4464.6
47.5°	3409.5	3232.5	3088.6	2939.3	2830.5	2726.6	2735.7	2802.7	2910.1	3009.6	3142.9
50°	2485.0	2394.8	2321.5	2244.0	2189.9	2144.0	2146.7	2175.6	2232.1	2284.6	2354.3
52.5°	1947.2	1897.4	1857.6	1814.8	1786.3	1763.6	1764.8	1778.8	1809.4	1839.3	1879.3
55°	1604.9	1599.0	1547.2	1508.7	1494.0	1478.7	1481.5	1487.1	1507.8	1525.4	1551.8
57.5°	1344.9	1321.7	1306.1	1285.9	1276.6	1265.9	1268.3	1270.4	1284.2	1296.0	1315.1
60°	1161.3	1144.8	1133.8	1120.1	1114.0	1107.1	1108.7	1110.0	1118.8	1126.5	1140.1
62.5°	1039.3	1024.6	1015.1	1004.4	1000.2	995.5	996.6	996.9	1002.5	1008.1	1018.5
65°	945.7	934.1	926.2	917.0	912.4	907.7	908.2	908.2	912.8	917.0	924.7
67.5°	846.8	838.1	832.9	825.6	822.6	817.6	817.6	816.1	819.1	820.7	826.0
70°	767.5	758.5	751.9	745.0	741.1	736.8	736.9	737.0	740.5	744.3	751.1
72.5°	718.3	709.9	704.0	697.9	694.3	690.6	690.0	689.6	692.1	694.2	698.7
75°	653.4	646.6	643.2	637.4	634.6	630.4	629.7	627.9	629.1	629.5	632.9
77.5°	574.6	568.1	565.4	559.6	557.1	552.5	552.1	550.0	551.0	550.3	552.8
80°	484.8	479.0	477.4	472.6	471.5	467.2	466.5	463.9	464.6	462.7	463.6
82.5°	384.5	379.2	378.0	373.6	373.6	369.6	369.4	365.5	365.5	362.2	356.9
85°	270.8	266.9	265.3	261.7	260.6	257.5	255.8	252.1	250.8	248.3	247.6
87.5°	142.9	140.5	138.2	136.5	133.4	127.7	127.2	123.3	123.6	120.8	121.0
90°	31.1	27.9	27.4	24.5	23.8	21.6	21.1	21.0	21.5	21.5	22.2
92.5°	23.6	22.8	22.0	21.2	20.3	19.5	18.8	19.5	20.3	21.2	22.0
95°	26.7	26.0	25.2	24.6	23.9	23.1	22.4	23.1	23.9	24.7	25.3
97.5°	29.8	29.3	28.9	28.4	27.9	27.5	27.0	27.6	28.0	28.5	29.0
100°	34.2	33.7	33.1	32.6	32.0	31.5	30.9	31.7	32.2	32.8	33.3
102.5°	57.8	54.4	51.1	47.7	44.4	41.1	37.7	41.1	44.4	47.8	51.2
105°	133.4	122.2	110.9	99.6	88.4	77.1	65.8	77.2	88.5	99.7	111.1
107.5°	265.0	245.4	225.5	205.8	185.8	166.1	146.3	166.2	186.0	205.9	225.7
110°	392.1	375.1	358.0	341.0	323.9	306.9	289.7	307.0	324.1	341.2	358.3



TEST NUMBER: P1444595  
 CATALOG NUMBER: EHBR1-30-UNV-TA-L850-UPL15

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	461.5	451.3	440.8	430.6	420.1	409.9	399.4	410.1	420.5	431.1	441.4
115°	477.2	471.8	466.6	461.2	455.7	450.3	444.7	450.6	456.2	461.8	467.4
117.5°	461.8	460.1	458.1	456.4	454.5	452.7	450.8	452.9	455.0	457.3	459.1
120°	428.4	429.0	429.3	429.6	429.9	430.2	430.4	430.6	430.6	430.6	430.5
122.5°	392.0	393.7	395.3	396.9	398.5	400.1	401.5	400.5	399.3	398.2	396.8
125°	358.7	360.7	362.4	364.1	365.7	367.5	368.7	368.0	366.8	365.6	364.2
127.5°	331.1	332.8	334.5	336.2	337.6	339.0	340.3	339.6	338.6	337.6	336.4
130°	308.6	310.3	311.5	312.9	313.9	315.1	316.0	315.7	315.0	314.6	313.6
132.5°	293.2	294.5	295.6	296.7	297.6	298.6	299.2	299.2	298.9	298.6	297.9
135°	281.8	282.8	283.6	284.7	285.3	285.9	286.3	286.6	286.5	286.4	286.0
137.5°	272.6	273.5	274.2	274.6	275.1	275.5	275.7	276.2	276.4	276.8	276.7
140°	267.2	268.1	268.7	269.2	269.9	270.4	270.5	271.1	271.3	271.4	271.3
142.5°	261.6	262.4	263.0	263.6	264.1	264.6	264.8	265.3	265.5	265.6	265.6
145°	257.8	258.4	258.9	259.5	259.9	260.2	260.2	260.9	261.2	261.4	261.6
147.5°	253.9	254.6	255.0	255.5	255.8	256.2	256.3	256.8	257.1	257.4	257.6
150°	251.3	252.0	252.6	253.1	253.6	254.0	254.1	254.6	254.8	255.0	255.0
152.5°	248.6	249.2	249.9	250.4	250.8	251.1	251.3	251.7	252.1	252.3	252.4
155°	246.4	247.0	247.6	248.2	248.6	249.1	249.4	249.8	250.1	250.3	250.5
157.5°	244.7	245.4	245.9	246.5	246.8	247.4	247.8	248.2	248.5	248.9	249.1
160°	244.2	244.9	245.3	245.9	246.4	246.8	247.2	247.6	248.0	248.3	248.7
162.5°	244.8	245.4	245.7	246.3	246.7	247.2	247.6	248.0	248.4	248.8	249.1
165°	244.8	245.4	245.8	246.4	246.9	247.5	247.9	248.2	248.4	248.7	248.9
167.5°	246.9	247.5	247.8	248.4	248.8	249.4	249.9	250.2	250.3	250.5	250.7
170°	248.2	248.7	249.1	249.5	250.0	250.5	250.8	251.0	251.2	251.4	251.6
172.5°	249.2	249.8	250.2	250.8	251.1	251.5	251.9	252.1	252.1	252.2	252.1
175°	250.2	250.7	250.9	251.3	251.6	252.0	252.3	252.2	252.3	252.2	252.2
177.5°	252.5	253.0	253.3	253.6	254.0	254.2	254.6	254.3	254.2	254.0	253.7
180°	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6



TEST NUMBER: P1444595  
 CATALOG NUMBER: EHBR1-30-UNV-TA-L850-UPL15

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6
2.5°	25765.4	25778.3	25798.0	25815.9	25842.8	25864.0	25895.9	25920.1	25956.0	25979.4	26018.5
5°	25767.7	25818.1	25884.4	25949.0	26026.8	26097.5	26185.2	26259.9	26348.1	26420.0	26510.2
7.5°	25804.2	25901.3	26017.8	26135.3	26268.0	26392.3	26532.1	26658.8	26797.2	26914.4	27042.4
10°	25831.0	25981.0	26152.7	26325.5	26507.3	26676.2	26846.8	26994.3	27132.0	27245.4	27345.6
12.5°	25794.5	26001.1	26221.4	26434.2	26636.4	26811.3	26958.0	27071.5	27149.7	27202.8	27215.2
15°	25670.7	25919.2	26158.8	26370.6	26538.5	26667.9	26734.9	26766.3	26732.6	26676.7	26553.8
17.5°	25439.2	25701.4	25915.6	26082.7	26171.4	26206.5	26151.0	26054.5	25865.8	25656.4	25354.0
20°	25015.0	25259.2	25414.6	25505.7	25482.0	25394.3	25184.7	24930.1	24553.4	24152.1	23622.3
22.5°	24270.7	24484.3	24567.1	24573.9	24429.1	24209.4	23831.5	23394.7	22800.5	22182.8	21423.1
25°	23153.7	23340.7	23353.8	23280.3	23015.4	22659.4	22104.5	21486.7	20679.2	19856.1	18904.0
27.5°	21638.6	21818.0	21774.1	21637.0	21269.3	20793.0	20082.5	19284.3	18288.8	17316.6	16263.5
30°	19734.2	19926.0	19874.4	19698.6	19261.2	18698.2	17862.2	16934.8	15829.6	14791.2	13724.1
32.5°	17455.1	17697.6	17662.0	17494.9	17038.4	16435.9	15528.8	14545.2	13414.5	12391.2	11353.2
35°	14864.5	15159.0	15174.2	15065.0	14641.3	14045.7	13150.1	12198.0	11115.0	10149.5	9190.5
37.5°	12073.6	12415.0	12485.1	12455.6	12104.4	11578.7	10762.7	9908.5	8949.1	8102.9	7282.7
40°	9267.2	9612.8	9732.6	9768.2	9509.0	9101.9	8432.1	7742.7	6960.5	6274.9	5623.6
42.5°	6707.9	7014.3	7130.1	7202.9	7041.2	6769.7	6281.1	5780.5	5207.5	4712.9	4238.7
45°	4658.8	4875.4	4963.6	5036.9	4948.8	4795.7	4487.1	4174.0	3795.7	3472.6	3166.7
47.5°	3257.2	3376.7	3434.8	3470.5	3436.3	3356.4	3188.6	3007.1	2793.6	2604.8	2423.2
50°	2414.2	2477.9	2508.3	2528.9	2504.0	2459.6	2368.8	2270.0	2152.8	2045.8	1941.2
52.5°	1913.3	1949.7	1967.8	1978.9	1964.7	1937.4	1884.6	1826.1	1755.7	1689.6	1654.8
55°	1611.8	1610.0	1651.7	1631.6	1651.7	1606.6	1597.2	1532.8	1474.4	1433.3	1388.8
57.5°	1329.2	1348.2	1356.2	1365.2	1359.4	1351.1	1328.6	1305.5	1274.8	1249.1	1221.6
60°	1150.6	1166.2	1175.0	1183.9	1183.4	1180.3	1167.2	1153.5	1134.2	1118.8	1102.2
62.5°	1027.6	1041.0	1049.8	1058.3	1059.1	1057.8	1048.0	1038.4	1025.3	1015.6	1004.2
65°	930.7	940.2	946.1	952.9	952.6	950.7	941.8	934.0	923.1	916.4	908.0
67.5°	829.4	836.6	841.2	847.6	848.9	849.3	844.4	840.6	835.3	833.5	830.6
70°	757.4	766.1	773.4	781.6	786.0	788.1	786.0	784.1	781.0	779.7	777.5
72.5°	702.9	710.3	716.0	723.3	727.5	730.4	728.8	727.8	725.1	724.7	723.2
75°	635.1	640.2	643.5	649.0	651.3	654.0	652.7	653.4	652.5	654.7	654.6
77.5°	553.7	557.4	559.0	563.0	563.4	566.8	567.5	571.4	574.2	580.3	583.6
80°	462.1	464.4	464.4	468.5	470.4	476.0	478.8	485.1	488.1	493.6	494.0
82.5°	358.9	356.2	358.9	357.3	362.5	368.8	369.6	375.1	376.3	379.8	377.1
85°	245.4	245.2	243.0	243.4	241.7	242.5	241.5	242.6	241.6	241.7	239.3
87.5°	117.6	118.7	116.0	116.9	114.4	115.6	113.4	115.1	112.5	112.9	109.0
90°	22.4	22.9	23.1	23.7	24.5	25.8	27.3	28.8	30.5	31.9	33.5
92.5°	22.8	23.7	24.6	25.3	26.1	28.6	31.0	33.4	36.0	38.3	40.8
95°	26.1	26.8	27.5	28.5	29.2	32.7	36.2	39.7	43.2	46.8	50.3
97.5°	29.6	30.1	30.5	30.9	31.5	35.7	39.8	44.0	48.1	52.3	56.3
100°	34.0	34.5	35.1	35.7	36.2	45.8	55.4	64.9	74.5	84.0	93.5
102.5°	54.6	58.0	61.3	64.8	68.2	91.4	114.5	137.7	160.7	183.9	207.0
105°	122.4	133.7	145.1	156.4	167.7	202.7	237.9	273.0	307.8	342.9	378.0
107.5°	245.7	265.5	285.5	305.3	325.1	358.1	391.0	424.0	457.1	490.0	522.7
110°	375.7	392.6	410.0	427.1	444.3	470.3	496.5	522.7	548.8	574.8	600.9



TEST NUMBER: P1444595  
 CATALOG NUMBER: EHBR1-30-UNV-TA-L850-UPL15

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	452.0	462.4	472.9	483.1	493.6	512.7	532.0	551.2	570.3	589.3	608.3
115°	472.9	478.2	483.8	489.2	494.8	506.3	517.8	529.3	540.8	552.2	563.8
117.5°	461.2	463.1	465.1	466.8	468.7	474.5	480.5	486.3	492.2	498.0	503.8
120°	430.4	430.1	429.9	429.6	429.4	431.0	432.9	434.5	436.2	437.9	439.5
122.5°	395.6	394.0	392.6	391.0	389.6	388.6	388.0	387.0	386.3	385.4	384.6
125°	362.9	361.3	359.8	358.1	356.5	354.6	352.7	351.0	349.0	347.0	345.1
127.5°	335.3	333.8	332.6	331.0	329.6	327.3	325.2	323.0	321.0	318.7	316.6
130°	312.9	311.7	310.8	309.3	308.4	306.3	304.5	302.5	300.6	298.6	296.7
132.5°	297.4	296.5	295.8	294.7	293.8	291.9	290.5	288.5	286.7	284.9	283.2
135°	285.8	285.3	284.9	284.1	283.4	281.8	280.4	279.0	277.7	276.2	274.8
137.5°	276.6	276.2	275.9	275.5	275.2	273.9	272.8	271.4	270.3	268.9	268.0
140°	271.3	271.0	270.7	270.3	269.9	268.7	267.5	266.2	265.0	263.6	262.5
142.5°	265.5	265.3	265.0	264.6	264.3	263.2	262.4	261.4	260.4	259.3	258.4
145°	261.6	261.5	261.4	261.1	261.1	259.9	258.8	257.7	256.8	255.6	254.5
147.5°	257.7	257.6	257.7	257.5	257.6	256.6	255.8	254.8	254.0	253.1	252.3
150°	255.0	255.0	255.0	254.8	254.7	253.8	253.0	252.2	251.4	250.4	249.6
152.5°	252.4	252.5	252.6	252.6	252.7	252.0	251.1	250.2	249.4	248.4	247.6
155°	250.7	250.8	250.9	250.9	250.9	250.2	249.4	248.6	247.8	247.0	246.3
157.5°	249.3	249.5	249.7	249.8	249.9	249.3	248.6	248.0	247.3	246.7	246.0
160°	248.9	249.2	249.4	249.5	249.7	249.1	248.8	248.0	247.7	246.9	246.4
162.5°	249.4	249.7	249.9	250.0	250.2	249.6	249.3	248.7	248.2	247.4	246.9
165°	249.3	249.3	249.5	249.5	249.6	249.2	249.0	248.6	248.2	247.8	247.4
167.5°	251.0	251.0	251.2	251.2	251.3	251.0	251.0	250.7	250.4	250.1	249.8
170°	251.8	251.9	251.9	251.9	252.0	251.7	251.5	251.3	251.2	250.7	250.4
172.5°	252.2	252.1	252.2	252.2	252.1	251.9	251.8	251.6	251.5	251.4	251.2
175°	252.2	252.2	252.2	252.1	252.0	252.0	251.9	251.9	251.8	251.8	251.7
177.5°	253.7	253.5	253.2	253.1	252.9	252.8	252.8	252.7	252.8	252.7	252.6
180°	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6



TEST NUMBER: P1444595  
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**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6
2.5°	26042.8	25882.0	25860.6	25871.9	25898.9	25908.8	25937.8	25945.7	25974.9	25982.1	26010.1
5°	26580.1	26367.5	26378.1	26429.2	26506.6	26552.8	26628.8	26668.6	26741.2	26774.2	26839.9
7.5°	27146.7	26979.8	27031.8	27118.1	27223.8	27297.1	27388.5	27448.0	27526.8	27575.6	27638.7
10°	27424.9	27379.2	27436.5	27504.4	27564.7	27611.9	27650.7	27681.7	27702.0	27721.1	27729.3
12.5°	27213.2	27284.1	27293.8	27287.2	27247.2	27216.7	27148.1	27101.5	27018.7	26968.4	26869.8
15°	26428.4	26584.0	26497.8	26367.3	26176.3	26017.2	25792.4	25625.0	25390.8	25232.1	24997.1
17.5°	25050.9	25247.4	25022.9	24720.9	24336.7	24008.2	23598.9	23274.2	22867.3	22571.4	22191.7
20°	23111.8	23295.4	22894.8	22394.3	21800.1	21300.0	20710.4	20239.8	19691.9	19284.3	18792.4
22.5°	20697.5	20828.2	20263.9	19589.1	18832.1	18207.4	17502.3	16938.3	16312.9	15846.9	15322.4
25°	18026.4	18061.7	17384.8	16607.4	15763.6	15061.6	14308.9	13715.8	13078.0	12605.7	12090.9
27.5°	15330.4	15278.8	14547.1	13722.7	12835.2	12105.5	11371.3	10815.6	10257.0	9831.5	9388.0
30°	12785.8	12660.6	11900.9	11053.6	10192.1	9538.0	8928.5	8482.3	8037.9	7700.4	7344.4
32.5°	10452.4	10275.6	9536.2	8742.4	8016.5	7511.7	7059.7	6722.0	6363.2	6078.1	5779.3
35°	8385.6	8197.2	7542.1	6869.2	6319.8	5947.7	5592.5	5315.4	5010.7	4770.2	4510.7
37.5°	6611.8	6457.4	5908.7	5379.2	4963.6	4675.3	4384.2	4157.8	3905.9	3800.1	3522.8
40°	5104.3	4996.4	4567.3	4176.9	3864.9	3729.4	3434.0	3222.5	3034.4	2879.2	2728.9
42.5°	3981.5	3943.3	3525.7	3221.3	3001.5	2830.8	2666.2	2532.5	2402.5	2295.5	2194.4
45°	2921.8	2891.5	2706.2	2530.4	2380.7	2261.4	2150.1	2058.2	1973.2	1902.7	1838.5
47.5°	2275.2	2265.5	2158.8	2049.8	1955.4	1878.8	1806.6	1745.6	1689.1	1642.1	1626.8
50°	1850.5	1849.2	1786.6	1719.4	1652.2	1607.9	1561.8	1525.7	1489.4	1461.2	1431.4
52.5°	1572.3	1565.6	1523.2	1481.7	1441.8	1412.7	1383.2	1360.3	1336.2	1318.8	1300.2
55°	1353.6	1360.8	1336.3	1311.5	1286.6	1268.5	1247.8	1232.6	1216.2	1205.2	1194.0
57.5°	1201.7	1211.1	1198.4	1184.2	1169.1	1157.2	1143.0	1132.5	1121.5	1114.4	1107.9
60°	1091.2	1101.5	1096.3	1089.2	1079.9	1072.8	1063.7	1057.9	1050.8	1046.9	1043.3
62.5°	997.4	1010.4	1008.5	1005.2	999.2	995.2	990.2	987.7	983.0	981.3	979.5
65°	903.9	918.4	918.1	916.5	913.1	912.0	908.9	908.4	906.0	906.9	906.7
67.5°	830.3	842.9	845.7	847.7	847.6	848.4	848.1	849.4	849.4	851.1	852.3
70°	777.2	786.0	788.1	790.2	790.8	792.5	792.5	793.6	793.3	794.9	795.0
72.5°	723.5	735.1	737.2	739.0	739.0	740.5	739.8	739.5	737.1	736.6	735.0
75°	656.8	671.6	674.8	677.0	677.3	678.7	676.7	675.4	671.6	670.0	667.4
77.5°	587.0	602.4	604.7	605.5	604.2	604.5	600.3	597.4	592.6	590.5	588.0
80°	496.2	518.9	520.7	519.3	515.8	515.2	511.1	508.4	502.5	500.6	498.3
82.5°	377.6	404.2	407.9	409.5	406.7	407.4	403.4	401.9	396.5	395.6	392.0
85°	238.4	265.0	269.4	268.8	265.9	265.2	262.9	263.6	263.2	264.6	265.4
87.5°	109.5	135.3	141.4	139.5	139.2	137.4	133.3	134.8	137.3	138.9	139.0
90°	35.1	44.3	45.7	45.1	42.0	41.1	38.1	37.7	35.2	34.6	32.2
92.5°	43.1	45.6	48.0	45.9	43.7	41.6	39.4	37.1	35.1	32.8	30.7
95°	53.7	57.1	60.6	57.8	54.7	51.9	49.0	46.1	43.2	40.4	37.4
97.5°	60.5	64.4	68.5	65.6	62.7	59.7	56.8	53.9	51.0	48.0	45.1
100°	103.0	112.3	121.7	113.5	105.2	97.0	88.8	80.5	72.4	64.1	55.9
102.5°	230.0	252.9	275.9	255.1	234.3	213.4	192.6	171.8	151.1	130.1	109.3
105°	412.9	447.5	482.4	450.5	418.6	386.9	355.1	323.4	291.5	259.7	228.0
107.5°	555.7	588.0	620.6	591.8	563.0	534.3	505.4	476.7	447.9	419.0	390.4
110°	627.0	652.1	678.0	658.4	639.2	619.7	600.4	581.0	561.7	542.4	523.2



TEST NUMBER: P1444595  
 CATALOG NUMBER: EHBR1-30-UNV-TA-L850-UPL15

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	627.4	645.4	664.1	652.5	641.1	629.6	618.2	606.8	595.5	584.1	572.9
115°	575.0	585.1	596.1	591.4	586.8	582.1	577.4	572.8	568.1	563.4	559.0
117.5°	509.5	513.7	518.9	517.7	516.7	515.4	514.4	513.3	512.5	511.4	510.5
120°	441.0	440.9	442.0	442.1	442.4	442.7	443.0	443.2	443.5	443.9	444.3
122.5°	383.6	380.8	379.3	379.4	379.6	379.7	379.8	379.9	380.1	380.5	380.8
125°	343.2	339.1	336.4	335.3	334.2	332.9	331.6	330.4	329.5	328.3	327.3
127.5°	314.3	309.9	307.1	304.8	302.6	300.4	298.1	295.8	293.7	291.4	289.4
130°	294.9	290.5	287.8	285.1	282.5	279.7	277.0	274.3	271.5	268.8	266.1
132.5°	281.4	276.9	274.5	272.0	269.4	266.8	264.2	261.5	258.8	256.2	253.6
135°	273.4	269.1	267.2	264.6	262.5	259.9	257.5	255.1	252.7	250.1	247.9
137.5°	266.6	262.5	260.6	258.5	256.8	254.7	252.8	250.8	248.8	246.7	244.8
140°	261.2	256.9	255.0	253.7	252.6	251.2	250.1	248.7	247.5	246.2	244.9
142.5°	257.4	253.1	251.5	250.6	249.8	248.9	248.2	247.2	246.5	245.4	244.5
145°	253.5	248.7	246.9	246.7	246.6	246.2	245.9	245.6	245.3	244.8	244.5
147.5°	251.4	246.5	244.7	244.7	244.7	244.5	244.6	244.4	244.5	244.2	244.2
150°	248.6	243.1	241.1	241.2	241.2	241.4	241.6	241.7	242.0	242.1	242.2
152.5°	246.7	240.1	237.7	237.9	238.2	238.3	238.7	238.9	239.3	239.6	239.8
155°	245.3	238.1	235.6	235.5	235.6	235.7	235.8	235.9	236.1	236.3	236.6
157.5°	245.2	237.6	235.2	235.0	235.0	235.0	235.0	235.0	235.1	235.2	235.5
160°	245.7	238.2	235.6	235.4	235.5	235.4	235.3	235.2	235.3	235.4	235.6
162.5°	246.2	238.9	236.4	236.1	235.9	235.9	235.9	235.6	235.7	235.7	235.9
165°	246.8	240.5	238.2	238.0	238.0	237.9	237.9	237.8	238.0	238.1	238.3
167.5°	249.4	243.6	241.8	241.5	241.2	241.0	241.0	240.6	240.6	240.4	240.4
170°	250.1	245.6	244.0	243.9	244.0	243.9	243.8	243.8	243.8	243.7	243.8
172.5°	250.9	247.5	246.4	246.5	246.7	246.7	246.9	246.9	247.1	247.3	247.5
175°	251.6	249.5	249.0	248.9	249.0	249.1	249.2	249.2	249.3	249.4	249.7
177.5°	252.6	252.1	251.8	251.8	251.8	251.8	251.8	251.8	251.8	251.9	251.9
180°	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6



TEST NUMBER: P1444595  
 CATALOG NUMBER: EHBR1-30-UNV-TA-L850-UPL15

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6
2.5°	26015.4	26045.7	26043.4	26071.7	26070.3	26097.0	26091.6	26114.7	26109.5	26129.1	26117.5
5°	26868.8	26926.4	26945.5	26997.5	27008.3	27054.9	27055.9	27092.9	27088.4	27117.4	27101.9
7.5°	27676.0	27729.8	27755.4	27795.8	27816.1	27849.6	27862.6	27890.2	27896.8	27913.0	27912.5
10°	27744.1	27743.9	27756.5	27750.8	27762.1	27755.7	27769.4	27764.5	27784.8	27779.6	27794.9
12.5°	26827.4	26736.4	26703.2	26621.5	26603.6	26533.5	26538.5	26493.5	26515.2	26487.6	26534.7
15°	24857.3	24646.3	24541.9	24358.4	24300.9	24155.9	24144.1	24047.7	24073.8	24023.4	24097.1
17.5°	21946.1	21613.8	21431.5	21163.5	21057.1	20852.0	20810.8	20686.9	20706.0	20643.6	20732.6
20°	18475.0	18073.4	17843.5	17533.6	17395.4	17150.9	17085.9	16947.3	16964.6	16902.5	17003.1
22.5°	14964.3	14544.1	14284.4	13959.7	13783.1	13553.2	13484.1	13344.7	13352.7	13294.4	13391.2
25°	11738.2	11335.3	11083.2	10788.3	10635.0	10424.2	10351.6	10226.6	10233.7	10185.5	10272.4
27.5°	9080.4	8749.7	8538.8	8291.6	8154.3	7980.9	7910.2	7805.0	7804.7	7769.4	7842.0
30°	7095.8	6819.9	6630.6	6415.3	6286.3	6129.8	6061.5	5967.4	5963.3	5938.3	5995.9
32.5°	5555.9	5310.5	5137.8	4948.2	4832.5	4698.2	4633.6	4558.0	4551.0	4528.4	4575.7
35°	4319.0	4112.3	3963.8	3804.3	3816.1	3618.0	3650.9	3497.1	3455.4	3446.2	3481.5
37.5°	3338.1	3178.0	3057.3	2937.9	2857.0	2773.3	2728.2	2687.7	2683.1	2679.2	2703.9
40°	2612.8	2500.8	2413.1	2331.0	2275.3	2224.3	2196.1	2173.9	2168.6	2165.6	2180.6
42.5°	2114.6	2039.1	1982.5	1932.5	1898.6	1870.8	1855.4	1843.0	1838.9	1839.0	1847.9
45°	1786.6	1740.8	1704.4	1673.2	1651.6	1661.1	1633.1	1647.8	1628.4	1648.5	1635.3
47.5°	1573.3	1534.3	1511.7	1489.7	1476.7	1466.1	1466.5	1466.7	1470.8	1471.5	1475.8
50°	1408.8	1386.2	1370.6	1356.5	1349.7	1344.1	1346.0	1347.5	1351.5	1351.8	1355.0
52.5°	1287.0	1272.1	1262.7	1254.0	1250.9	1247.8	1249.2	1248.6	1250.3	1249.5	1252.0
55°	1187.9	1180.9	1177.9	1174.7	1175.2	1174.3	1174.9	1171.8	1169.8	1167.4	1169.6
57.5°	1106.6	1105.7	1107.6	1109.0	1112.7	1114.1	1114.9	1111.3	1107.8	1104.7	1106.5
60°	1044.0	1045.4	1050.4	1054.5	1059.8	1062.3	1063.8	1061.7	1059.2	1056.6	1058.2
62.5°	982.1	984.5	990.4	994.9	1001.4	1004.8	1008.5	1008.7	1009.7	1008.7	1009.8
65°	910.4	913.3	918.7	922.5	928.4	931.4	935.2	935.9	938.1	937.6	939.4
67.5°	855.9	858.5	863.0	866.6	872.0	875.0	878.4	878.5	879.3	879.1	880.8
70°	797.7	799.0	803.0	806.0	811.4	814.5	818.3	819.5	821.9	822.3	824.2
72.5°	735.7	735.1	737.5	738.9	742.9	745.4	750.3	752.9	756.9	758.0	759.4
75°	668.1	667.6	670.4	671.6	675.0	677.5	683.0	686.5	692.7	695.4	694.7
77.5°	590.0	591.3	596.6	599.7	604.2	607.4	614.5	620.1	631.5	636.5	631.4
80°	502.5	504.0	509.5	512.3	518.3	522.2	530.1	536.7	546.9	549.1	546.2
82.5°	395.1	395.5	400.5	402.5	410.4	416.1	426.1	431.4	437.7	436.7	435.9
85°	269.4	273.1	279.3	285.5	295.1	304.2	313.7	321.5	316.0	324.7	314.9
87.5°	144.0	143.6	152.1	150.7	164.0	171.8	180.1	184.0	188.4	187.5	187.6
90°	32.0	30.3	30.5	28.6	29.7	27.4	29.2	27.2	29.3	26.8	30.8
92.5°	28.5	27.4	26.1	25.0	23.8	22.8	21.5	20.3	19.2	18.0	19.2
95°	34.6	33.5	32.4	31.2	30.2	29.1	28.0	26.9	25.8	24.8	26.1
97.5°	42.2	41.6	41.0	40.4	39.7	39.1	38.4	37.8	37.0	36.4	37.3
100°	47.6	47.6	47.6	47.6	47.4	47.4	47.4	47.4	47.4	47.4	48.1
102.5°	88.5	86.4	84.4	82.2	80.2	78.0	75.9	73.9	71.8	69.7	72.8
105°	196.3	188.1	180.0	171.8	163.5	155.5	147.3	139.2	131.1	123.0	131.3
107.5°	361.8	346.8	332.0	317.2	302.3	287.5	272.8	257.9	243.2	228.4	241.6
110°	503.8	488.0	472.2	456.5	440.7	424.9	409.2	393.5	377.8	362.1	374.7



TEST NUMBER: P1444595  
 CATALOG NUMBER: EHBR1-30-UNV-TA-L850-UPL15

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	561.6	551.2	540.9	530.7	520.5	510.5	500.3	490.2	480.0	469.9	476.0
115°	554.4	549.5	544.5	539.7	534.9	529.8	524.9	520.2	515.4	510.6	511.0
117.5°	509.5	507.6	506.0	504.2	502.5	500.9	499.3	497.7	496.1	494.7	491.2
120°	444.9	445.1	445.4	445.8	446.2	446.7	447.0	447.6	448.3	448.9	444.3
122.5°	381.1	382.0	383.0	384.0	385.1	386.2	387.4	388.7	390.1	391.4	386.8
125°	326.1	327.0	327.9	328.9	329.8	331.0	332.2	333.5	334.8	336.2	332.4
127.5°	287.2	287.2	287.3	287.5	287.7	288.1	288.6	289.1	289.8	290.5	288.0
130°	263.4	262.7	261.9	261.3	260.5	260.1	259.7	259.4	259.1	259.0	258.0
132.5°	251.0	249.6	248.1	246.9	245.7	244.7	243.5	242.8	241.9	241.3	241.1
135°	245.4	243.6	241.8	240.2	238.5	237.2	235.8	234.8	233.6	232.6	232.9
137.5°	242.7	241.1	239.3	237.7	236.0	234.7	233.2	232.0	230.9	230.0	230.5
140°	243.6	241.8	240.1	238.5	237.0	235.6	234.3	233.2	231.9	231.1	231.4
142.5°	243.5	242.1	240.5	239.1	237.7	236.4	235.3	234.3	233.1	232.4	232.8
145°	244.2	243.1	241.8	240.8	239.8	238.9	237.8	237.2	236.4	236.0	236.2
147.5°	244.0	243.2	242.2	241.4	240.6	240.0	239.3	238.8	238.3	237.9	238.0
150°	242.3	241.8	241.2	240.8	240.2	239.9	239.4	239.1	238.8	238.6	238.6
152.5°	240.1	239.7	239.2	238.8	238.3	238.1	237.7	237.5	237.3	237.1	237.1
155°	236.8	236.6	236.4	236.2	236.0	236.2	236.0	236.1	236.0	236.1	236.2
157.5°	235.6	235.6	235.5	235.6	235.6	235.8	235.8	236.1	236.1	236.4	236.6
160°	235.8	235.8	235.6	235.8	235.8	235.8	235.9	236.1	236.2	236.3	236.6
162.5°	236.0	236.3	236.4	236.5	236.8	237.0	237.3	237.7	237.9	238.3	238.6
165°	238.5	238.5	238.4	238.4	238.6	238.7	238.8	239.1	239.2	239.5	239.9
167.5°	240.3	240.5	240.5	240.7	240.9	241.1	241.2	241.6	241.9	242.4	242.7
170°	243.7	243.7	243.7	243.7	243.7	243.9	244.0	244.1	244.2	244.5	244.7
172.5°	247.6	247.6	247.4	247.6	247.4	247.6	247.6	247.7	247.7	247.8	247.9
175°	249.6	249.9	250.0	250.2	250.2	250.3	250.4	250.5	250.6	250.8	250.8
177.5°	251.9	252.0	252.0	252.0	252.0	252.1	252.1	252.1	252.1	252.0	252.1
180°	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6



TEST NUMBER: P1444595  
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**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6
2.5°	26136.8	26123.7	26137.1	26123.5	26137.1	26120.7	26131.8	26114.2	26118.7	26100.4	26105.1
5°	27125.0	27104.2	27115.3	27088.2	27091.0	27054.9	27054.2	27012.2	27001.1	26953.1	26932.0
7.5°	27924.1	27917.3	27921.2	27903.8	27901.7	27877.1	27865.3	27830.5	27808.6	27764.5	27734.3
10°	27797.7	27818.0	27823.3	27844.1	27848.4	27868.9	27873.2	27893.9	27898.1	27913.3	27913.5
12.5°	26532.4	26601.6	26618.2	26703.6	26739.6	26837.3	26889.8	26997.5	27061.5	27168.9	27234.9
15°	24095.0	24214.7	24262.5	24429.3	24521.6	24716.4	24838.8	25062.4	25220.3	25457.8	25627.3
17.5°	20740.4	20907.6	20983.1	21209.4	21357.0	21644.5	21851.7	22192.7	22453.8	22832.9	23133.2
20°	17020.3	17206.3	17308.7	17566.8	17741.0	18076.9	18335.6	18754.7	19104.2	19584.5	19995.2
22.5°	13421.5	13598.4	13712.1	13974.8	14170.8	14521.2	14810.3	15252.7	15644.3	16185.5	16677.8
25°	10305.2	10467.3	10570.1	10807.6	10991.8	11313.7	11589.8	12015.2	12398.4	12941.2	13446.2
27.5°	7878.2	8013.9	8113.0	8315.6	8478.0	8751.0	8988.2	9339.8	9669.9	10139.6	10589.3
30°	6031.4	6151.7	6248.2	6424.6	6575.2	6811.9	7020.4	7315.7	7589.0	7962.6	8320.4
32.5°	4609.0	4712.6	4798.5	4952.9	5089.6	5302.7	5490.6	5749.5	5983.9	6300.9	6595.2
35°	3514.2	3718.0	3703.6	3916.5	3950.8	4103.8	4271.4	4497.8	4705.4	4974.9	5225.4
37.5°	2727.6	2784.9	2846.3	2940.5	3039.4	3178.6	3320.2	3596.7	3698.2	3901.8	4109.2
40°	2199.5	2238.2	2278.8	2342.4	2411.7	2509.7	2612.9	2744.8	2880.0	3045.2	3213.8
42.5°	1859.6	1881.5	1907.3	1944.6	1987.3	2049.5	2118.5	2208.0	2302.0	2418.2	2536.8
45°	1661.3	1650.9	1658.6	1678.7	1704.4	1742.2	1785.8	1841.2	1902.4	1977.6	2057.9
47.5°	1476.7	1480.9	1483.1	1494.0	1507.8	1533.1	1559.6	1597.2	1669.8	1691.9	1735.6
50°	1354.7	1356.6	1356.0	1361.5	1368.5	1385.0	1402.1	1427.5	1453.0	1486.7	1518.8
52.5°	1252.4	1255.3	1254.9	1258.5	1262.2	1272.6	1283.4	1301.5	1318.1	1339.5	1358.0
55°	1171.7	1175.6	1177.1	1180.2	1182.0	1187.5	1191.7	1200.3	1207.4	1219.6	1230.8
57.5°	1109.6	1114.9	1117.4	1118.4	1116.3	1116.0	1114.5	1116.4	1117.8	1124.3	1130.6
60°	1060.7	1065.0	1065.7	1065.0	1061.0	1058.1	1053.5	1052.0	1051.3	1054.5	1057.9
62.5°	1009.5	1011.1	1010.0	1008.7	1004.2	1001.3	996.6	994.9	993.2	995.4	997.2
65°	938.7	940.0	938.7	938.0	933.9	931.6	927.6	926.3	923.9	924.5	924.1
67.5°	881.2	882.6	881.5	880.4	877.6	876.2	873.2	871.4	868.5	867.5	865.6
70°	823.9	824.9	823.3	822.3	819.0	817.7	815.0	814.4	812.2	811.8	809.6
72.5°	758.0	758.1	755.8	755.1	752.7	752.6	751.4	752.5	752.4	753.6	753.1
75°	690.5	689.6	686.7	686.2	684.5	685.2	684.1	685.6	685.8	688.4	688.6
77.5°	623.0	619.4	614.0	611.4	607.7	607.3	605.2	606.7	606.2	609.0	610.2
80°	537.7	533.4	526.4	523.1	518.7	518.1	516.1	518.1	517.1	520.4	522.9
82.5°	429.3	425.5	418.3	415.6	410.6	411.1	409.0	411.1	410.8	415.8	418.6
85°	317.6	315.0	307.6	301.0	293.6	289.3	285.1	284.4	283.1	285.1	286.8
87.5°	183.4	181.1	175.2	171.4	158.5	159.1	154.0	153.7	152.4	151.4	154.0
90°	29.9	33.4	32.6	35.7	35.4	39.0	38.9	42.3	41.7	45.0	45.1
92.5°	20.3	21.5	22.7	23.8	24.9	26.1	27.3	28.5	31.0	33.3	36.0
95°	27.5	28.8	30.2	31.5	32.9	34.2	35.6	36.9	40.7	44.3	48.0
97.5°	38.3	39.2	40.1	41.0	41.8	42.8	43.7	44.6	48.6	52.7	56.6
100°	48.9	49.6	50.3	51.1	51.8	52.5	53.2	53.9	61.8	69.4	77.1
102.5°	75.8	79.0	82.0	85.1	88.2	91.4	94.4	97.4	115.1	132.7	150.3
105°	139.8	148.1	156.7	165.0	173.5	181.8	190.4	198.7	227.0	255.1	283.5
107.5°	254.9	268.2	281.4	294.8	308.0	321.4	334.7	348.0	375.5	403.1	430.7
110°	387.3	400.1	412.7	425.4	438.0	450.8	463.4	476.3	492.9	509.4	526.1



TEST NUMBER: P1444595  
 CATALOG NUMBER: EHBR1-30-UNV-TA-L850-UPL15

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	482.3	488.4	494.7	500.9	507.2	513.4	519.7	526.0	534.5	542.6	551.1
115°	511.4	511.8	512.4	512.7	513.2	513.7	514.4	515.0	517.9	520.6	523.5
117.5°	487.9	484.6	481.3	478.1	474.8	471.8	468.6	465.6	465.3	464.9	464.7
120°	440.0	435.5	431.1	426.6	422.4	418.2	413.9	409.8	407.8	405.9	404.1
122.5°	382.4	378.0	373.7	369.4	365.2	361.1	357.1	353.0	351.8	350.6	349.4
125°	328.7	325.1	321.5	318.0	314.6	311.4	308.1	305.0	305.3	305.5	306.0
127.5°	285.8	283.8	281.7	279.8	277.9	276.1	274.4	272.7	274.3	275.5	277.1
130°	257.2	256.4	255.8	255.0	254.6	254.1	253.7	253.3	255.6	257.7	260.0
132.5°	241.2	241.2	241.3	241.6	242.0	242.4	243.1	243.4	246.0	248.3	250.9
135°	233.3	233.8	234.6	235.2	236.1	236.8	237.9	238.8	241.3	243.5	246.0
137.5°	231.2	231.8	232.7	233.5	234.7	235.6	236.8	237.9	239.8	241.7	243.7
140°	232.1	232.5	233.4	234.2	235.1	235.7	236.9	237.8	239.6	241.1	242.6
142.5°	233.5	233.8	234.6	235.3	236.1	236.9	237.9	238.6	239.9	241.1	242.5
145°	236.7	237.1	237.8	238.3	238.9	239.6	240.4	241.1	242.0	242.7	243.6
147.5°	238.4	238.7	239.2	239.7	240.3	240.8	241.2	241.6	242.4	243.0	243.7
150°	238.9	239.1	239.4	239.6	240.1	240.5	241.0	241.2	241.8	242.3	243.0
152.5°	237.4	237.5	237.8	238.1	238.5	238.8	239.1	239.5	240.1	240.4	241.0
155°	236.5	236.9	237.3	237.6	238.1	238.3	238.8	239.0	239.5	239.9	240.4
157.5°	237.0	237.2	237.7	237.9	238.4	238.6	239.0	239.3	239.8	240.1	240.5
160°	237.1	237.6	238.0	238.4	238.8	239.2	239.7	240.2	240.6	240.9	241.2
162.5°	239.0	239.4	239.8	240.1	240.4	240.8	241.1	241.4	242.0	242.3	242.9
165°	240.4	240.8	241.3	241.6	242.1	242.6	243.0	243.5	243.8	244.2	244.5
167.5°	243.2	243.5	244.1	244.4	244.8	245.2	245.7	246.1	246.5	246.7	247.0
170°	245.1	245.5	245.9	246.2	246.6	246.8	247.2	247.5	248.0	248.3	248.8
172.5°	248.2	248.5	248.8	248.9	249.2	249.6	249.9	250.1	250.5	250.8	251.1
175°	250.8	250.8	250.9	251.0	251.1	251.1	251.2	251.4	251.5	251.6	251.7
177.5°	252.2	252.2	252.3	252.4	252.5	252.6	252.7	252.8	252.8	252.8	252.8
180°	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6



TEST NUMBER: P1444595  
 CATALOG NUMBER: EHBR1-30-UNV-TA-L850-UPL15

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6
2.5°	26086.9	26087.9	26066.9	26065.7	26046.1	26043.5	26024.4	26018.5	26003.0	25997.3	25981.4
5°	26878.3	26852.6	26793.4	26758.6	26700.1	26661.3	26597.9	26556.7	26495.5	26449.4	26387.9
7.5°	27678.7	27639.0	27572.5	27518.6	27437.4	27372.6	27277.5	27199.7	27096.7	27007.6	26899.5
10°	27913.5	27907.4	27890.4	27865.8	27827.9	27785.5	27720.9	27653.4	27563.2	27465.2	27345.1
12.5°	27335.9	27398.3	27483.3	27533.8	27595.1	27622.0	27647.1	27640.7	27624.2	27574.6	27505.2
15°	25872.6	26047.9	26280.0	26459.8	26666.8	26817.2	26983.3	27086.7	27190.0	27237.6	27266.8
17.5°	23544.9	23876.8	24292.9	24637.8	25035.7	25355.4	25705.7	25969.5	26240.7	26435.0	26610.7
20°	20555.0	21035.8	21624.4	22144.4	22749.0	23274.4	23850.1	24322.8	24810.2	25191.4	25552.1
22.5°	17312.0	17883.0	18594.5	19253.7	20033.2	20733.6	21524.0	22211.8	22930.0	23530.0	24110.1
25°	14122.9	14749.2	15527.3	16262.7	17145.4	17960.2	18897.5	19754.7	20683.1	21488.9	22285.1
27.5°	11210.8	11825.7	12620.1	13402.9	14336.4	15204.6	16208.8	17153.3	18210.3	19185.0	20182.0
30°	8817.4	9338.9	10051.2	10809.5	11730.1	12613.5	13628.7	14600.1	15699.7	16763.9	17886.9
32.5°	6985.8	7383.1	7943.1	8584.2	9433.7	10274.6	11241.3	12179.1	13261.8	14336.8	15504.9
35°	5548.0	5857.8	6284.8	6785.2	7504.5	8229.5	9084.5	9937.2	10947.4	11967.5	13102.8
37.5°	4374.9	4626.3	4960.7	5336.5	5913.5	6508.5	7209.5	7916.6	8794.3	9698.5	10727.5
40°	3416.3	3619.9	3880.2	4160.5	4596.2	5054.6	5596.8	6145.0	6850.2	7589.3	8440.8
42.5°	2683.8	2834.0	3017.9	3222.7	3629.2	3872.5	4240.2	4636.7	5155.2	5691.7	6331.9
45°	2155.3	2257.8	2385.3	2522.7	2711.4	2917.8	3169.6	3433.7	3926.2	4167.7	4557.1
47.5°	1799.9	1868.7	1949.8	2036.4	2147.7	2267.7	2417.1	2569.7	2767.2	2971.9	3211.8
50°	1560.5	1630.5	1658.3	1703.2	1767.6	1836.2	1920.4	2004.5	2110.4	2217.8	2341.3
52.5°	1382.9	1405.6	1436.0	1464.5	1504.4	1582.5	1607.7	1651.7	1711.1	1769.2	1834.0
55°	1247.2	1262.0	1281.8	1299.0	1323.1	1346.1	1379.4	1408.7	1448.4	1483.3	1526.4
57.5°	1141.6	1151.0	1164.8	1176.1	1191.6	1204.7	1224.2	1240.0	1262.8	1282.7	1308.8
60°	1064.9	1071.2	1080.4	1087.8	1097.7	1104.5	1114.2	1121.7	1133.6	1143.7	1158.3
62.5°	1002.2	1005.5	1011.5	1015.8	1022.2	1025.6	1030.7	1033.9	1040.6	1045.6	1053.8
65°	927.1	927.8	931.8	933.7	938.6	940.4	944.7	946.1	951.6	955.4	962.5
67.5°	865.4	863.7	863.8	862.3	863.0	861.6	861.9	860.5	862.6	863.8	869.2
70°	809.2	806.7	806.0	803.4	802.6	800.0	799.2	796.8	796.5	795.7	797.7
72.5°	754.4	753.7	753.9	752.0	751.8	750.1	750.2	749.0	750.3	750.9	753.3
75°	691.3	691.5	692.7	691.1	691.6	690.1	690.6	689.2	690.0	689.7	692.1
77.5°	614.6	616.4	619.7	619.0	620.1	618.4	619.1	617.2	617.8	616.4	617.4
80°	528.3	532.1	536.6	536.4	538.3	537.1	538.8	536.9	537.7	535.3	534.8
82.5°	425.8	429.1	433.9	434.1	438.3	439.0	443.7	443.5	446.4	444.6	443.2
85°	291.1	293.3	297.5	299.8	304.1	306.8	311.3	313.2	309.9	315.8	311.1
87.5°	152.1	157.7	154.5	161.9	160.1	167.6	166.0	172.9	171.5	177.5	176.7
90°	49.4	49.8	54.3	55.0	60.5	61.8	64.9	63.3	66.3	64.8	67.8
92.5°	38.4	41.1	43.6	46.2	48.6	51.3	48.8	46.5	44.2	41.9	39.5
95°	51.8	55.4	59.1	62.9	66.5	70.2	66.3	62.4	58.4	54.4	50.5
97.5°	60.6	64.5	68.6	72.5	76.6	80.5	75.8	71.1	66.5	61.9	57.2
100°	84.8	92.6	100.3	108.0	115.6	123.3	114.6	105.9	97.2	88.5	79.7
102.5°	168.1	185.7	203.4	221.1	238.7	256.4	237.9	219.5	200.9	182.4	163.8
105°	311.7	340.0	368.2	396.4	424.6	453.1	423.1	393.0	363.1	333.1	302.9
107.5°	458.3	485.8	513.5	541.1	568.7	596.4	566.1	535.5	505.3	474.6	444.2
110°	542.8	559.4	576.1	592.8	609.4	626.2	604.0	581.9	559.8	537.6	515.4



TEST NUMBER: P1444595  
 CATALOG NUMBER: EHBR1-30-UNV-TA-L850-UPL15

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	559.5	568.1	576.4	585.0	593.4	601.9	586.2	570.5	554.7	538.9	523.1
115°	526.4	529.2	532.1	534.9	537.8	540.7	530.2	519.7	509.1	498.6	487.9
117.5°	464.5	464.4	464.1	464.2	463.8	463.7	457.9	452.1	446.3	440.5	434.7
120°	402.1	400.2	398.3	396.5	394.6	392.6	390.5	388.1	385.7	383.4	381.0
122.5°	348.2	347.2	346.0	344.8	343.5	342.3	341.6	341.0	340.2	339.5	338.7
125°	306.3	306.7	307.0	307.3	307.6	307.8	307.6	307.6	307.2	307.1	306.8
127.5°	278.4	279.9	281.1	282.6	283.8	285.3	285.4	285.6	285.7	285.9	286.1
130°	262.1	264.2	266.3	268.4	270.3	272.6	272.5	272.6	272.7	272.7	272.8
132.5°	253.2	255.6	257.9	260.5	262.7	264.9	264.9	265.0	264.8	265.0	264.8
135°	248.2	250.5	252.6	255.0	257.0	259.2	259.1	259.1	258.7	258.8	258.7
137.5°	245.5	247.4	249.2	251.1	252.7	254.6	254.3	254.3	254.0	254.1	253.9
140°	244.1	245.8	247.1	248.7	250.1	251.6	251.3	251.1	250.7	250.5	250.0
142.5°	243.7	244.8	245.9	247.1	248.2	249.4	248.7	248.2	247.6	247.1	246.6
145°	244.5	245.4	246.2	247.0	247.5	248.5	247.6	247.0	246.2	245.6	244.9
147.5°	244.3	244.9	245.3	245.9	246.2	246.8	246.1	245.4	244.7	243.9	243.1
150°	243.3	243.9	244.3	244.8	245.2	245.8	244.9	244.1	243.2	242.4	241.6
152.5°	241.4	241.8	242.2	242.6	243.0	243.4	242.5	241.9	241.1	240.2	239.3
155°	240.6	241.1	241.2	241.6	241.7	242.0	241.2	240.8	240.0	239.3	238.5
157.5°	240.8	241.1	241.4	241.6	241.8	242.1	241.5	241.1	240.5	240.0	239.4
160°	241.5	241.8	242.1	242.3	242.6	242.6	242.1	241.9	241.4	241.0	240.4
162.5°	243.2	243.6	243.9	244.2	244.5	244.8	244.3	243.8	243.3	242.8	242.1
165°	244.8	245.1	245.4	245.7	245.8	246.0	245.6	245.4	244.9	244.6	244.2
167.5°	247.2	247.6	247.8	248.1	248.2	248.4	248.0	247.8	247.3	247.0	246.6
170°	249.0	249.2	249.6	249.9	250.1	250.3	250.1	249.9	249.5	249.2	248.9
172.5°	251.3	251.5	251.6	251.9	252.0	252.2	252.0	251.7	251.4	251.0	250.7
175°	251.7	251.8	252.0	252.0	252.0	252.1	251.8	251.5	251.3	251.0	250.7
177.5°	252.8	252.8	252.8	252.7	252.7	252.7	252.5	252.3	252.2	252.0	251.8
180°	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6



TEST NUMBER: P1444595  
 CATALOG NUMBER: EHBR1-30-UNV-TA-L850-UPL15

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6	25813.6
2.5°	25975.8	25964.5	25957.2	25948.0	25942.3	25935.1	25929.8	25925.4	25921.7	25918.4	25915.8
5°	26341.0	26282.9	26237.9	26189.1	26149.0	26109.1	26078.2	26052.7	26035.1	26021.8	26014.1
7.5°	26806.1	26699.8	26605.2	26505.8	26416.6	26328.9	26253.3	26188.1	26139.2	26107.6	26088.3
10°	27221.4	27079.1	26938.4	26790.3	26649.8	26513.6	26387.9	26277.3	26189.8	26131.7	26097.7
12.5°	27407.5	27286.3	27142.6	26981.8	26809.7	26635.6	26465.8	26312.8	26184.3	26098.2	26048.4
15°	27243.6	27193.8	27096.3	26971.5	26808.1	26628.1	26428.9	26241.6	26069.2	25957.5	25892.8
17.5°	26710.2	26779.7	26772.2	26724.5	26607.1	26455.5	26252.5	26042.1	25826.6	25677.2	25595.6
20°	25810.2	26028.5	26139.2	26196.1	26150.0	26051.7	25867.8	25654.4	25403.1	25208.1	25089.1
22.5°	24545.4	24930.8	25171.0	25346.7	25384.0	25350.5	25188.2	24985.1	24705.1	24470.7	24295.0
25°	22917.0	23481.8	23861.4	24159.0	24274.6	24304.4	24166.3	23964.4	23652.2	23379.1	23137.8
27.5°	20999.1	21733.0	22239.9	22639.8	22820.2	22898.5	22771.4	22565.3	22196.0	21870.0	21554.7
30°	18840.1	19710.6	20320.9	20800.4	21020.5	21123.8	20988.7	20758.8	20329.0	19936.8	19539.6
32.5°	16529.1	17481.7	18146.7	18667.5	18885.5	18982.8	18806.1	18547.8	18051.0	17589.0	17125.7
35°	14109.5	15071.1	15741.7	16248.6	16431.4	16490.0	16264.0	15965.4	15415.1	14907.9	14402.9
37.5°	11640.7	12535.3	13144.9	13599.7	13712.8	13722.9	13450.6	13120.9	12542.5	12042.4	11539.6
40°	9193.2	9947.7	10439.9	10803.9	10843.2	10808.1	10512.1	10180.2	9639.2	9191.2	8749.7
42.5°	6887.8	7457.4	7808.4	8057.9	8043.1	7973.9	7702.5	7417.3	6970.8	6629.6	6282.3
45°	4912.8	5288.3	5493.6	5639.6	5592.7	5526.8	5315.5	5115.6	4812.2	4591.8	4358.4
47.5°	3412.9	3861.3	3783.3	4068.8	3822.8	3985.3	3647.0	3460.5	3299.5	3182.4	3050.5
50°	2443.3	2546.2	2595.8	2629.7	2611.7	2586.6	2525.9	2471.6	2398.0	2344.4	2281.9
52.5°	1887.0	1938.3	1966.4	1986.9	1982.8	1973.7	1947.3	1923.0	1888.6	1865.9	1838.5
55°	1598.4	1599.1	1650.8	1628.6	1661.4	1623.0	1638.1	1595.5	1602.5	1565.9	1541.3
57.5°	1328.1	1349.3	1358.7	1367.8	1365.3	1363.7	1353.4	1348.3	1336.7	1333.1	1324.9
60°	1168.3	1179.3	1181.6	1185.8	1182.3	1180.9	1172.9	1170.0	1162.2	1160.9	1155.4
62.5°	1058.7	1064.3	1064.3	1064.3	1059.7	1055.4	1046.4	1041.7	1035.1	1033.7	1030.5
65°	967.2	973.0	974.0	975.2	971.9	968.4	960.6	955.6	948.8	946.1	942.5
67.5°	872.8	879.0	881.1	884.2	882.4	881.7	876.3	874.3	869.8	868.7	865.4
70°	798.6	801.2	801.0	800.9	796.7	793.0	786.8	783.9	779.1	778.2	775.1
72.5°	754.5	756.4	755.2	753.6	748.1	742.6	735.3	729.9	723.8	720.0	715.7
75°	692.4	694.9	693.3	692.2	687.4	683.8	677.9	674.9	670.6	669.4	666.4
77.5°	616.2	617.4	614.9	614.6	610.9	608.5	604.1	603.4	600.3	600.3	597.4
80°	531.3	530.6	526.7	525.9	522.2	521.2	517.8	518.0	515.5	516.5	514.5
82.5°	437.2	434.9	429.6	428.0	423.8	423.4	421.0	423.0	421.4	423.8	422.4
85°	313.3	313.9	311.7	311.7	310.4	310.8	310.6	312.1	312.3	314.3	314.2
87.5°	174.6	177.2	176.7	179.0	178.9	181.5	182.3	186.1	186.6	190.2	190.2
90°	66.3	69.6	68.1	71.5	71.0	74.8	75.0	78.8	78.5	81.7	80.6
92.5°	37.1	34.9	32.6	30.2	29.0	27.6	26.8	25.2	24.3	22.9	21.7
95°	46.5	42.5	38.5	34.6	33.2	31.7	30.5	29.1	27.7	26.3	25.0
97.5°	52.5	47.8	43.1	38.4	37.2	36.0	34.8	33.6	32.4	31.2	30.1
100°	70.9	62.2	53.5	44.7	43.7	42.7	41.7	40.8	39.7	38.6	37.6
102.5°	145.4	126.7	108.1	89.6	86.0	82.5	79.1	75.4	71.9	68.4	64.9
105°	272.9	242.8	212.8	182.6	173.1	163.5	153.9	144.3	134.7	125.1	115.6
107.5°	413.6	383.1	352.5	322.0	304.4	286.7	269.0	251.3	233.7	215.9	198.2
110°	493.2	471.0	448.7	426.3	412.3	398.0	383.8	369.5	355.3	340.9	326.7



TEST NUMBER: P1444595  
 CATALOG NUMBER: EHBR1-30-UNV-TA-L850-UPL15

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	507.2	491.3	475.4	459.4	453.1	446.6	440.4	433.9	427.4	420.8	414.4
115°	477.3	466.6	455.9	445.1	442.9	440.7	438.6	436.2	434.1	431.7	429.5
117.5°	428.8	422.9	416.9	411.0	411.5	412.0	412.4	412.8	413.1	413.4	413.7
120°	378.6	376.2	373.9	371.4	373.6	375.6	377.7	379.6	381.6	383.4	385.2
122.5°	338.0	337.1	336.4	335.4	338.1	340.6	343.0	345.5	347.8	350.0	352.2
125°	306.7	306.3	306.1	305.7	308.3	310.9	313.4	315.8	318.3	320.4	322.7
127.5°	286.3	286.4	286.6	286.6	288.8	290.5	292.4	294.1	295.9	297.3	298.9
130°	272.7	272.7	272.8	272.8	274.6	276.4	278.3	279.7	281.2	282.5	283.9
132.5°	264.9	264.8	264.8	264.7	266.1	267.4	268.8	269.8	271.0	271.8	272.8
135°	258.7	258.4	258.3	258.1	259.5	260.9	262.1	263.1	264.2	264.9	265.7
137.5°	253.8	253.5	253.4	253.2	254.5	255.7	256.8	257.7	258.5	259.4	260.0
140°	249.9	249.4	249.3	248.9	250.1	251.0	252.1	252.8	253.8	254.3	255.0
142.5°	246.1	245.4	245.1	244.4	245.2	245.9	246.7	247.3	247.9	248.4	248.8
145°	244.2	243.3	242.7	241.8	242.5	243.1	243.7	244.3	244.7	245.0	245.3
147.5°	242.5	241.6	240.8	240.0	240.7	241.1	241.4	241.7	242.1	242.3	242.5
150°	240.8	239.8	238.8	237.9	238.3	238.6	238.9	239.3	239.5	239.6	239.8
152.5°	238.4	237.5	236.6	235.6	235.8	236.0	236.2	236.4	236.5	236.6	236.7
155°	237.7	236.8	236.0	235.3	235.5	235.6	235.7	235.8	235.7	235.7	235.7
157.5°	238.7	237.9	237.4	236.6	236.6	236.6	236.7	236.4	236.3	236.1	235.9
160°	240.0	239.3	238.8	238.1	238.0	237.9	238.0	237.7	237.6	237.3	237.1
162.5°	241.5	241.0	240.2	239.5	239.4	239.4	239.3	239.1	238.9	238.6	238.4
165°	243.8	243.2	242.8	242.1	242.0	241.8	241.7	241.4	241.2	240.9	240.6
167.5°	246.2	245.7	245.2	244.6	244.6	244.6	244.5	244.3	244.1	243.8	243.7
170°	248.5	248.0	247.7	247.2	247.0	246.9	246.7	246.6	246.3	246.1	245.8
172.5°	250.2	249.8	249.4	248.8	248.8	248.7	248.5	248.4	248.2	248.0	247.9
175°	250.3	250.1	249.6	249.3	249.2	249.1	249.0	248.9	248.7	248.6	248.4
177.5°	251.6	251.4	251.0	250.8	250.7	250.7	250.6	250.5	250.5	250.4	250.3
180°	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6



TEST NUMBER: P1444595  
CATALOG NUMBER: EHBR1-30-UNV-TA-L850-UPL15

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	25813.6	25813.6
2.5°	25913.6	25912.2
5°	26009.9	26008.4
7.5°	26083.2	26082.7
10°	26091.8	26096.3
12.5°	26039.8	26043.4
15°	25887.8	25894.8
17.5°	25597.1	25606.4
20°	25096.3	25106.1
22.5°	24285.5	24289.5
25°	23106.5	23089.8
27.5°	21499.3	21470.5
30°	19456.2	19428.3
32.5°	17020.1	17002.7
35°	14278.0	14267.0
37.5°	11391.0	11368.7
40°	8588.4	8523.1
42.5°	6130.1	6015.7
45°	4236.5	4100.7
47.5°	2957.4	2873.6
50°	2241.7	2214.6
52.5°	1826.5	1820.3
55°	1541.2	1538.4
57.5°	1326.8	1325.8
60°	1158.3	1158.0
62.5°	1032.7	1033.2
65°	944.2	944.4
67.5°	866.3	865.7
70°	776.3	775.6
72.5°	714.2	713.2
75°	666.4	665.8
77.5°	598.3	597.2
80°	515.8	514.5
82.5°	424.2	422.8
85°	316.5	316.6
87.5°	193.6	193.5
90°	83.7	82.1
92.5°	20.7	19.7
95°	23.7	22.3
97.5°	28.9	27.7
100°	36.6	35.7
102.5°	61.4	57.9
105°	106.0	96.5
107.5°	180.5	162.9
110°	312.5	298.2



TEST NUMBER: P1444595  
CATALOG NUMBER: EHBR1-30-UNV-TA-L850-UPL15

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	407.8	401.4
115°	426.9	424.5
117.5°	413.9	414.1
120°	386.9	388.7
122.5°	354.2	356.3
125°	324.6	326.7
127.5°	300.1	301.4
130°	284.8	285.9
132.5°	273.4	273.9
135°	266.2	266.7
137.5°	260.4	260.8
140°	255.2	255.6
142.5°	249.0	249.2
145°	245.5	245.6
147.5°	242.3	242.4
150°	239.7	239.7
152.5°	236.5	236.5
155°	235.6	235.5
157.5°	235.6	235.4
160°	236.7	236.5
162.5°	238.0	237.8
165°	240.1	239.7
167.5°	243.3	243.2
170°	245.5	245.3
172.5°	247.6	247.4
175°	248.3	248.2
177.5°	250.3	250.1
180°	251.6	251.6

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-4

Test Date: 07/31/2025

Luminaire Tested: EHBR-60-L850-N

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

**Test Information**

Test Method: LM-79-2019  
 Report Number: SP1-2506-472-4  
 Test Lab: COOPER LIGHTING SOLUTIONS  
 Photometer: SP1 - 76IN SPHERE  
 Measurement Geometry: 4π  
 Issue Date: 08/05/2025  
 Manufacturer: COOPER LIGHTING SOLUTIONS  
 Product Line: Metalux  
 Catalog Number: **EHBR-60-L850-N**  
 Description: Elevate Round Highbay at, 60000 lumens, 5000K 80CRI LEDs with N lens

**Spectral Parameters**

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

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



**Test Conditions**

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

REPORT NUMBER: SP1-2506-472-4

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

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CIE 1931 Chromaticity Diagram



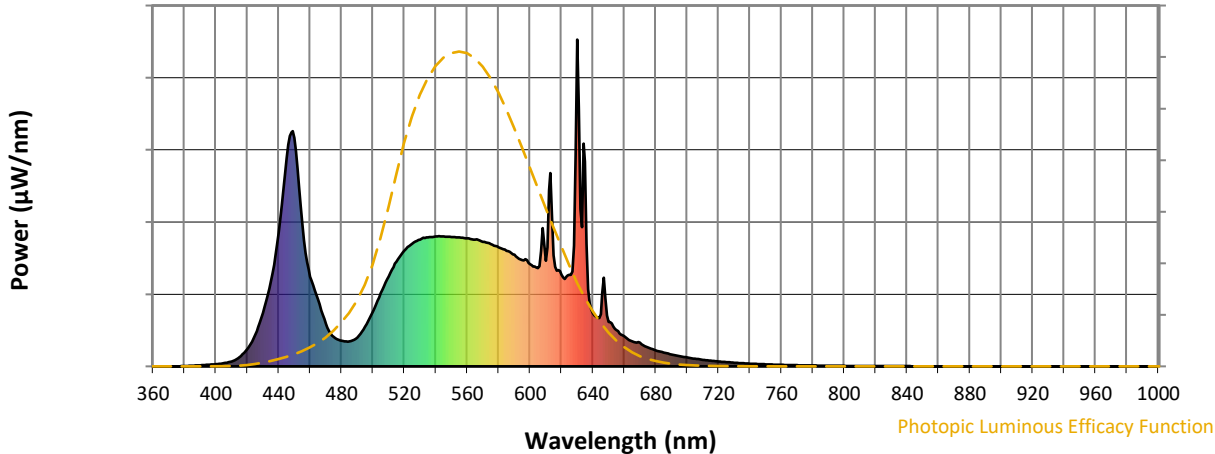
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-4

**Photopic Flux vs. Wavelength**



**Photopic Lumens: NR**

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

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**Scotopic Flux vs. Wavelength**



**Scotopic Lumens: NR**

**S/P: 1.82**

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

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**Melanopic Flux vs. Wavelength**



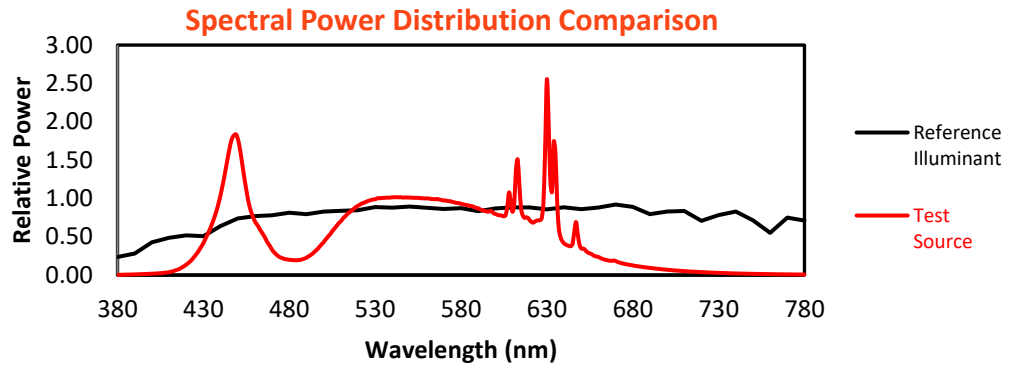
**Melanopic Lumens: NR**

**M/P: 3.71**

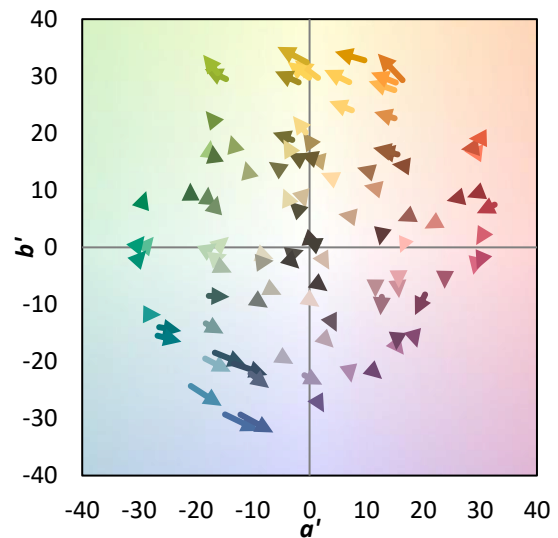
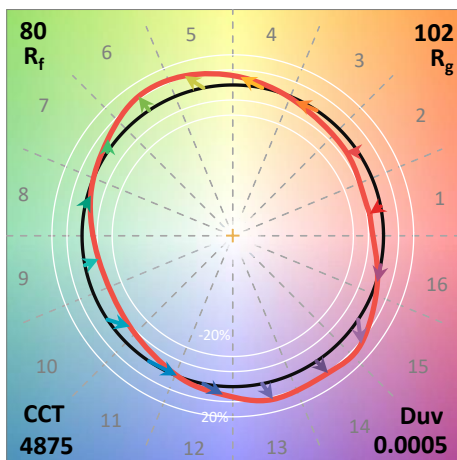
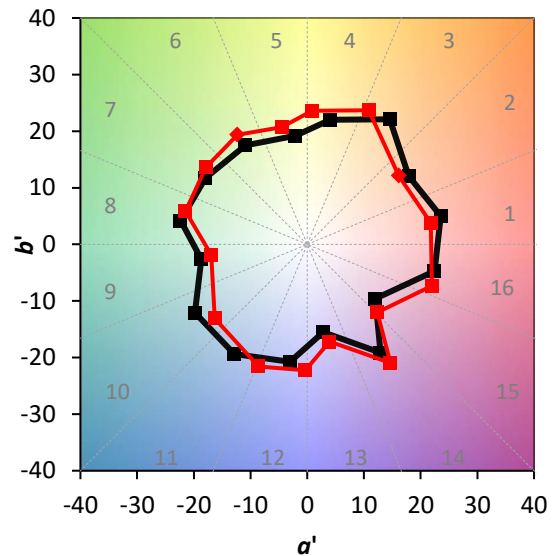
λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	89	NR	620	280	NR	750	6	NR	880	0	NR
365	0	NR	495	121	NR	625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

**Summary**

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

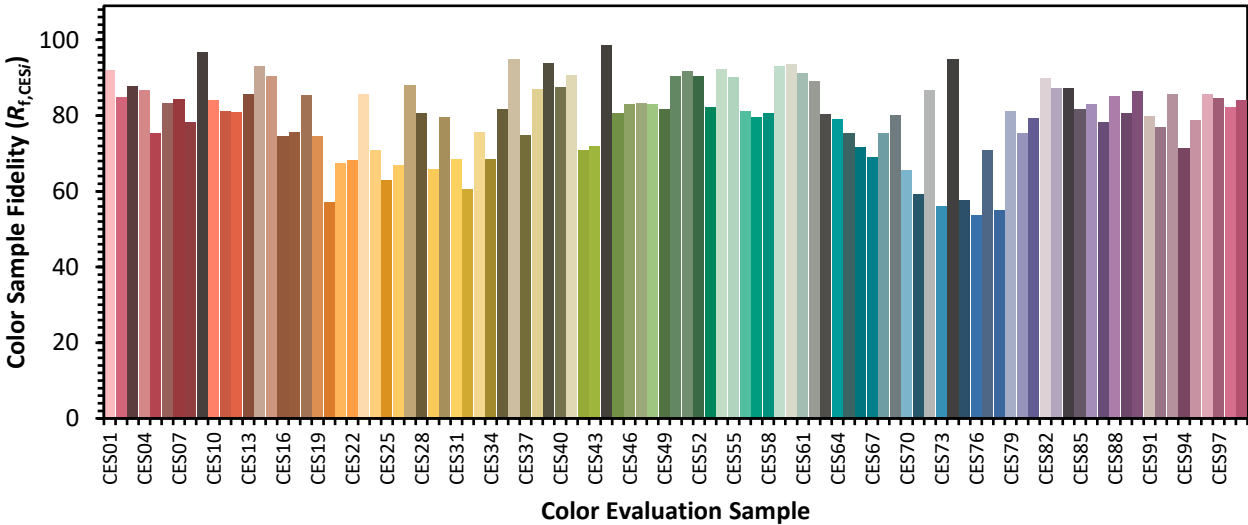


**Color Vector Graphics**

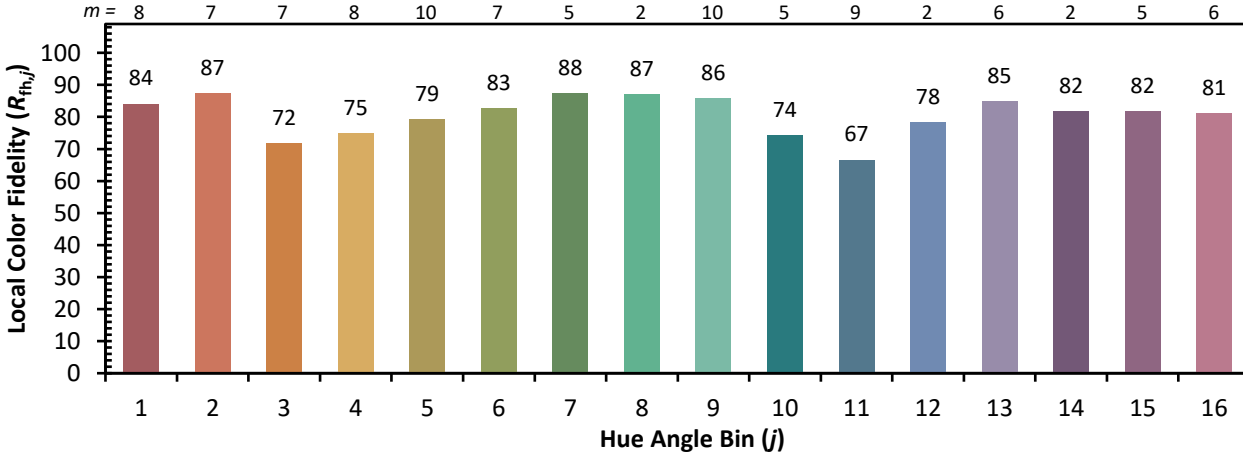


**Individual Sample Fidelity Index ( $R_{f,i}$ )**

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



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)