

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: P1444415

Luminaire Tested: EHBR1-54-UNV-TA-L840-UPL24

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444415
REPORT IS A COMBINATION OF REPORTS P1444334 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-54-UNV-TA-L840-UPL24
Description: Elevate Round Highbay at, 54000 lumens, 4000K 80CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

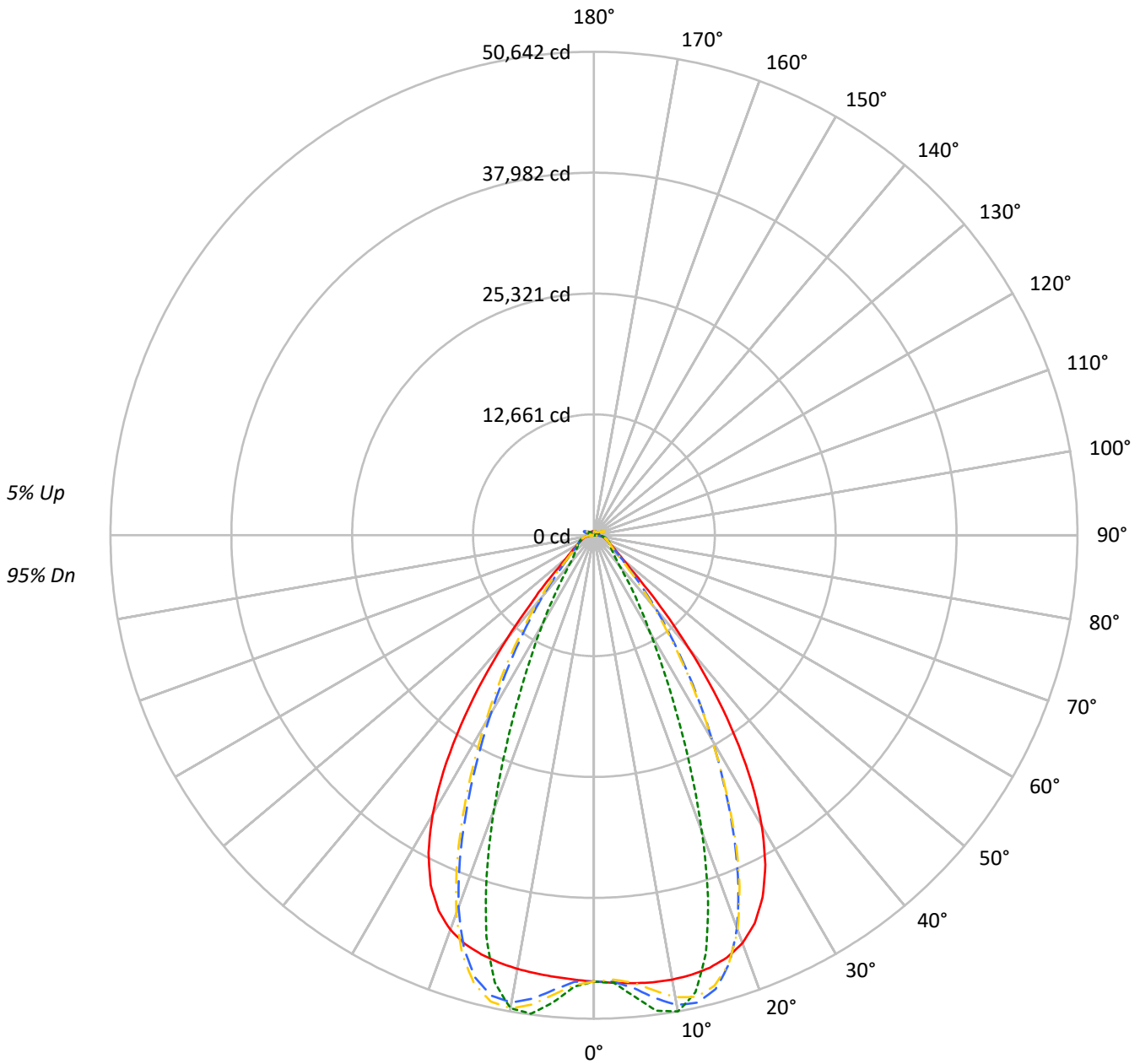
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 56576.7 lumens
Efficiency: N/A
Efficacy: 181.0 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): 312.5
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	115	115	115	115	108	108	108	103	103	103	97	97	97	97	97	97	95
1	111	107	104	101	108	105	102	99	100	97	95	95	93	92	91	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	77	82	78	75	79	76	73	73	73	73	71
4	92	83	77	72	90	82	76	71	79	74	70	76	72	68	74	70	67	67	67	67	65
5	87	77	70	65	84	76	69	65	73	68	64	71	66	63	69	65	62	62	62	62	60
6	82	72	65	60	80	70	64	59	68	63	59	66	62	58	65	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	59	54	50	57	53	49	49	49	49	48
9	69	59	52	48	68	58	52	48	57	51	47	55	50	47	54	50	46	46	46	46	45
10	66	55	49	45	64	55	49	44	53	48	44	52	47	44	51	47	43	43	43	43	42

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	219529	219529	219529	219529
5°	220592	227024	217504	229998
10°	222434	238358	217099	236781
15°	223525	216070	216719	207370
20°	221214	160965	213974	148930
25°	209388	101801	202467	92366
30°	182916	61175	175831	55908
35°	140773	38387	132675	34004
40°	89052	24080	81475	22627
45°	45899	18759	45138	18451
50°	26910	16687	26085	16426
55°	20616	15787	19853	15645
60°	17444	16127	16702	15918
65°	16385	16841	15757	16266
70°	16007	17634	15209	16971
75°	17116	18701	16190	17875
80°	17711	20708	16057	18904
85°	16680	19980	13477	17108

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 70242 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4607.0	8.1
10°-20°	12960.1	22.9
20°-30°	14760.5	26.1
30°-40°	10609.2	18.8
40°-50°	4892.9	8.6
50°-60°	2341.5	4.1
60°-70°	1708.5	3.0
70°-80°	1297.9	2.3
80°-90°	594.7	1.1
90°-100°	83.7	0.1
100°-110°	441.8	0.8
110°-120°	815.3	1.4
120°-130°	509.1	0.9
130°-140°	340.8	0.6
140°-150°	263.5	0.5
150°-160°	190.6	0.3
160°-170°	118.4	0.2
170°-180°	41.2	0.1
0°-30°	32327.6	57.1
0°-40°	42936.8	75.9
0°-60°	50171.2	88.7
0°-90°	53772.3	95.0
90°-120°	1340.8	2.4
90°-150°	2454.2	4.3
90°-180°	2804.0	5.0
0°-180°	56576.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	46747	46747	46747	46747	46747	
5°	47100	48473	46441	49108	47100	4501
15°	46894	45330	45467	43505	46894	13213
25°	41815	20330	40432	18445	41815	18955
35°	25837	7045	24351	6241	25837	15857
45°	7426	3035	7303	2985	7426	6316
55°	2786	2133	2683	2114	2786	2572
65°	1710	1758	1645	1698	1710	1708
75°	1206	1317	1140	1259	1206	1254
85°	573	687	463	588	573	539
90°	148	189	37	47	148	93
95°	38	42	38	42	38	36
105°	163	207	112	208	163	215
115°	715	858	749	859	715	662
125°	553	565	624	567	553	503
135°	455	390	488	395	455	354
145°	422	397	446	404	422	266
155°	406	401	430	407	406	189
165°	415	411	429	414	415	118
175°	431	434	438	435	431	41
180°	437	437	437	437	437	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2
2.5°	46925.8	46921.9	46921.3	46918.0	46917.1	46917.1	46915.6	46911.7	46909.3	46904.0	46897.9
5°	47099.9	47097.8	47099.0	47099.4	47096.1	47088.8	47077.4	47063.4	47045.6	47029.1	47014.2
7.5°	47234.5	47237.8	47242.0	47241.1	47230.9	47213.7	47190.3	47177.2	47185.0	47210.4	47268.6
10°	47259.1	47279.2	47287.0	47284.6	47264.2	47249.5	47255.1	47304.6	47403.2	47534.8	47714.6
12.5°	47163.3	47187.9	47187.0	47178.9	47159.1	47179.2	47251.0	47398.4	47609.8	47869.2	48173.4
15°	46894.3	46926.2	46917.1	46906.6	46893.4	46959.4	47102.6	47358.7	47685.1	48050.9	48425.2
17.5°	46371.9	46410.4	46391.7	46379.7	46368.6	46492.3	46738.5	47113.4	47524.5	47938.3	48293.1
20°	45465.8	45491.6	45447.1	45426.1	45443.8	45686.2	46048.7	46527.6	46961.0	47352.2	47594.7
22.5°	43987.2	44019.1	43935.5	43925.8	44029.0	44401.3	44860.1	45395.4	45802.6	46112.7	46206.1
25°	41814.6	41846.1	41746.7	41806.1	41981.8	42488.8	43035.3	43607.9	43955.3	44184.9	44121.6
27.5°	38882.1	38910.9	38816.6	38937.9	39215.6	39881.9	40525.1	41146.1	41455.8	41616.7	41412.8
30°	35183.7	35243.5	35132.1	35301.4	35725.3	36590.4	37327.1	38023.7	38332.4	38454.9	38137.5
32.5°	30791.1	30876.2	30753.4	31005.3	31596.7	32635.9	33472.9	34251.1	34592.6	34732.4	34373.9
35°	25836.9	25958.8	25818.0	26196.0	26925.6	28082.7	29009.6	29878.4	30282.8	30481.0	30119.8
37.5°	20588.0	20704.3	20628.1	21132.4	21933.5	23132.9	24079.1	25016.3	25473.0	25770.5	25485.7
40°	15434.9	15541.2	15598.9	16175.7	16929.2	18059.7	18968.3	19895.8	20406.6	20780.1	20604.4
42.5°	10894.0	11001.2	11197.4	11753.8	12382.2	13318.0	14096.3	14929.0	15417.0	15815.4	15747.6
45°	7426.2	7550.8	7796.4	8252.1	8706.6	9377.8	9949.4	10597.0	10995.7	11360.5	11364.9
47.5°	5203.9	5291.4	5511.0	5822.1	6118.4	6958.8	6993.3	7311.5	7579.5	7852.2	7887.6
50°	4010.6	4063.2	4179.7	4353.1	4520.9	4739.1	4938.9	5169.4	5334.4	5483.9	5519.6
52.5°	3296.4	3329.9	3389.1	3483.1	3580.4	3699.1	3805.9	3932.6	4022.4	4102.4	4119.2
55°	2786.1	2813.8	2902.0	2919.7	3031.2	3052.6	3100.2	3177.2	3229.4	3277.3	3289.3
57.5°	2400.9	2421.0	2439.8	2479.7	2514.0	2564.0	2604.1	2659.4	2692.3	2726.9	2730.0
60°	2097.0	2111.5	2125.0	2152.6	2176.0	2210.7	2238.4	2276.0	2299.5	2325.5	2328.5
62.5°	1870.9	1881.3	1890.2	1908.5	1925.2	1951.8	1973.8	2005.2	2027.2	2047.3	2051.8
65°	1710.2	1717.8	1723.5	1737.4	1751.9	1774.6	1794.5	1820.1	1836.3	1851.7	1854.9
67.5°	1567.8	1575.0	1580.9	1593.5	1603.6	1620.6	1634.0	1653.1	1665.3	1677.6	1678.0
70°	1404.5	1411.3	1415.8	1427.6	1435.7	1450.2	1461.0	1478.4	1490.8	1504.5	1508.0
72.5°	1291.6	1295.6	1301.6	1312.4	1323.6	1339.2	1353.6	1371.6	1386.7	1400.9	1406.9
75°	1205.7	1210.3	1214.3	1223.5	1231.3	1244.5	1255.2	1271.6	1284.9	1300.1	1307.6
77.5°	1081.6	1087.0	1090.4	1099.6	1106.4	1119.0	1127.0	1141.7	1152.5	1166.3	1173.1
80°	931.7	936.8	939.2	947.9	953.2	964.8	972.7	986.8	995.9	1009.7	1017.9
82.5°	765.6	770.5	771.8	780.0	782.9	792.5	798.1	812.7	823.8	841.8	854.3
85°	573.3	575.0	577.8	575.7	587.3	588.0	601.2	603.6	620.9	625.5	645.2
87.5°	350.5	355.7	358.3	366.3	369.7	377.7	380.1	388.6	393.3	403.0	407.5
90°	147.5	155.5	158.1	167.4	169.8	178.2	180.1	189.4	192.0	201.7	205.4
92.5°	33.7	35.7	37.5	40.1	42.0	45.0	47.4	49.8	51.9	54.8	58.9
95°	37.9	40.3	42.5	44.8	47.0	49.3	51.6	53.9	56.1	58.4	64.9
97.5°	47.1	49.1	51.1	53.1	55.0	57.0	58.9	60.9	62.9	64.8	72.6
100°	60.6	62.4	64.0	65.7	67.3	69.0	70.6	72.3	74.0	75.7	90.3
102.5°	98.0	103.9	109.8	115.7	121.7	127.3	133.5	139.2	145.1	151.0	181.9
105°	163.1	178.9	195.1	211.1	227.1	243.2	259.2	275.0	291.0	306.9	357.6
107.5°	274.9	304.3	334.1	363.7	393.5	423.1	452.8	482.3	511.9	541.2	592.6
110°	502.4	525.9	549.8	573.7	597.4	621.3	645.1	668.6	692.5	716.1	753.4



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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°	675.9	686.5	697.2	708.0	718.7	729.2	739.9	750.5	761.2	771.6	798.1
115°	715.3	718.8	722.6	726.1	729.8	733.2	736.8	740.2	743.8	747.1	765.0
117.5°	698.3	697.4	696.5	695.8	694.6	693.7	692.7	691.6	690.4	689.2	699.2
120°	656.2	652.5	649.1	645.3	641.6	637.7	634.2	630.2	626.3	622.3	626.5
122.5°	602.2	597.8	593.9	589.3	584.9	580.2	575.9	570.9	566.6	561.9	562.9
125°	553.1	548.6	544.7	540.0	535.3	530.5	525.9	521.0	516.3	511.4	511.7
127.5°	511.2	508.0	504.9	501.3	497.8	494.1	490.5	486.6	483.2	479.1	478.8
130°	485.9	483.1	480.1	476.8	473.6	470.0	466.5	462.8	459.5	455.7	455.4
132.5°	466.3	464.1	461.9	459.3	456.8	453.6	451.1	447.8	445.2	442.1	441.8
135°	454.8	452.5	450.6	448.2	445.8	442.9	440.0	437.1	434.4	431.2	431.2
137.5°	445.5	443.7	441.6	439.2	436.9	434.1	431.5	428.6	425.9	423.1	422.8
140°	437.3	435.5	433.6	431.2	429.1	426.7	424.1	421.5	418.7	416.0	416.1
142.5°	427.3	425.6	424.2	422.2	420.3	417.9	415.7	413.2	411.1	408.5	408.9
145°	421.6	420.1	418.9	417.2	415.4	413.2	411.4	408.9	407.1	404.9	405.4
147.5°	416.7	415.5	414.6	413.0	411.7	409.7	407.9	405.9	404.2	402.4	403.0
150°	412.5	411.5	410.5	409.1	407.6	405.9	404.3	402.6	400.9	399.1	399.7
152.5°	407.5	406.3	405.5	404.2	402.8	401.0	399.8	397.9	396.4	394.7	395.1
155°	406.0	404.8	403.7	402.5	401.2	399.7	398.2	396.6	395.3	393.6	394.0
157.5°	406.4	405.2	404.4	403.0	402.2	400.8	399.7	398.3	397.1	395.8	395.9
160°	408.7	407.7	406.7	405.5	404.3	403.0	402.0	400.7	399.8	398.5	398.5
162.5°	411.5	410.3	409.3	408.0	407.0	405.6	404.7	403.6	402.6	401.2	401.5
165°	415.1	414.5	413.6	412.7	411.9	411.0	410.2	409.0	408.2	407.1	407.2
167.5°	421.6	420.5	419.8	418.8	417.8	416.9	416.0	414.9	414.3	413.1	413.2
170°	425.4	424.5	424.0	423.5	422.8	422.1	421.6	420.9	420.1	419.4	419.5
172.5°	429.1	428.4	428.1	427.8	427.1	426.7	426.2	425.7	425.4	424.7	425.1
175°	430.7	430.2	430.1	429.7	429.4	429.0	428.9	428.5	428.5	428.0	428.1
177.5°	434.0	433.9	433.9	433.7	433.7	433.5	433.3	433.0	432.8	432.8	433.0
180°	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6



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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°	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2
2.5°	46893.4	46887.6	46879.9	46870.0	46861.5	46851.6	46828.2	46821.3	46829.1	46834.3	46845.0
5°	47004.8	47008.1	47009.3	47030.6	47049.0	47094.9	47454.6	47597.5	47708.0	47778.2	47884.7
7.5°	47340.8	47448.8	47555.7	47699.6	47823.6	47991.1	48620.4	48888.2	49078.6	49215.5	49383.9
10°	47910.0	48145.9	48367.2	48626.4	48849.2	49104.4	49690.1	49951.0	50115.8	50235.7	50347.7
12.5°	48483.5	48810.8	49106.5	49395.0	49636.1	49857.3	50063.4	50154.7	50162.4	50166.3	50106.8
15°	48782.1	49095.0	49355.6	49546.3	49688.1	49750.8	49396.2	49210.1	48974.9	48781.3	48462.7
17.5°	48593.6	48781.3	48893.9	48882.8	48824.3	48628.1	47623.6	47071.2	46522.7	46028.4	45380.2
20°	47755.7	47741.2	47643.4	47366.0	47031.8	46512.1	44789.9	43796.4	42835.7	41992.0	40968.4
22.5°	46196.6	45951.3	45609.2	45011.2	44346.8	43438.8	40970.8	39509.3	38172.0	36990.5	35667.1
25°	43937.5	43432.9	42802.1	41852.6	40820.1	39495.8	36454.0	34636.0	33030.4	31637.8	30110.8
27.5°	41046.5	40286.3	39361.8	38047.8	36648.9	34952.3	31580.0	29573.7	27850.0	26357.0	24731.7
30°	37623.8	36635.1	35441.3	33810.4	32123.1	30198.8	26778.5	24746.4	23001.8	21465.8	19839.3
32.5°	33755.8	32597.8	31199.0	29368.4	27543.7	25565.2	22262.0	20295.1	18628.5	17150.8	15678.6
35°	29489.6	28247.8	26767.9	24900.8	23087.0	21163.5	18132.5	16359.0	14887.3	13581.1	12392.4
37.5°	24913.4	23694.0	22287.5	20527.8	18845.9	17102.8	14487.5	13001.4	11766.4	10682.3	9764.4
40°	20155.5	19088.4	17871.3	16350.0	14914.6	13463.0	11316.2	10136.5	9161.8	8335.0	7647.3
42.5°	15455.7	14628.8	13695.5	12493.2	11394.8	10289.5	8637.2	7763.1	7041.2	6446.1	5959.9
45°	11213.6	10660.5	10034.5	9198.8	8438.7	7667.7	6491.7	5877.5	5407.3	5023.6	4699.1
47.5°	7838.9	7518.1	7498.5	6726.1	6168.7	5697.3	4939.8	4551.8	4263.7	4031.2	3825.7
50°	5505.0	5349.8	5157.0	4881.3	4622.6	4356.3	3894.6	3660.0	3491.3	3350.5	3220.5
52.5°	4115.4	4034.8	3932.1	3785.9	3645.7	3495.9	3203.8	3054.4	3001.4	2870.2	2767.3
55°	3287.1	3240.8	3182.5	3096.5	3011.3	2977.2	2726.8	2615.9	2545.7	2493.9	2438.7
57.5°	2730.5	2695.9	2661.3	2603.1	2553.7	2493.9	2361.1	2304.3	2262.5	2232.0	2193.7
60°	2329.0	2308.4	2289.0	2254.8	2228.2	2196.0	2111.5	2079.5	2057.7	2039.3	2014.9
62.5°	2055.6	2045.0	2035.0	2016.8	2003.3	1985.8	1928.1	1912.7	1901.8	1892.6	1877.6
65°	1858.3	1850.7	1845.2	1832.9	1826.2	1816.0	1766.5	1756.1	1749.3	1746.0	1737.4
67.5°	1679.0	1671.0	1667.4	1658.7	1656.0	1649.5	1609.0	1603.3	1601.0	1602.1	1599.0
70°	1511.3	1508.0	1509.7	1508.4	1512.1	1513.3	1488.8	1488.6	1491.2	1496.3	1496.9
72.5°	1410.8	1410.8	1412.7	1413.5	1417.1	1419.0	1398.5	1397.5	1398.7	1402.5	1402.6
75°	1315.1	1316.7	1321.9	1323.6	1327.9	1328.9	1301.8	1298.7	1298.9	1302.5	1301.3
77.5°	1182.7	1188.5	1198.4	1203.5	1211.9	1213.4	1183.2	1179.5	1179.6	1183.3	1180.2
80°	1032.6	1043.5	1059.2	1070.1	1083.0	1088.2	1057.0	1049.6	1042.6	1041.6	1035.3
82.5°	873.0	886.3	905.3	915.1	928.8	931.9	879.7	869.9	864.0	864.5	858.8
85°	666.4	676.5	693.7	699.2	707.7	707.0	647.5	621.9	628.7	618.1	626.5
87.5°	418.0	424.0	434.7	436.1	440.0	439.2	379.3	367.5	364.0	364.1	359.8
90°	215.6	220.2	230.1	230.8	237.5	237.2	189.2	184.2	179.5	181.4	174.9
92.5°	63.5	67.4	71.9	76.0	80.4	84.8	83.4	86.1	82.3	77.7	74.2
95°	71.5	78.2	84.9	91.6	98.3	104.9	111.6	118.3	112.0	105.7	99.5
97.5°	80.5	88.4	96.1	104.0	111.9	119.8	127.6	135.5	128.8	121.8	115.1
100°	104.9	119.7	134.2	148.8	163.4	178.1	192.7	207.5	194.5	181.4	168.5
102.5°	213.0	244.2	275.3	306.3	337.3	368.5	400.0	431.1	401.4	371.5	341.7
105°	407.9	458.4	508.7	558.9	609.3	659.8	710.6	761.2	713.7	666.2	618.7
107.5°	643.5	694.8	745.6	796.6	847.8	898.8	950.7	1001.8	955.5	908.9	862.7
110°	790.7	827.7	865.0	902.0	939.2	976.3	1014.7	1051.9	1023.9	995.9	967.9



TEST NUMBER: P1444415
 CATALOG NUMBER: EHBR1-54-UNV-TA-L840-UPL24

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	824.5	851.1	877.5	903.9	930.1	956.5	984.6	1011.3	997.1	982.6	968.5
115°	782.6	800.4	818.0	835.7	853.3	870.7	890.3	908.5	903.5	898.6	893.8
117.5°	708.7	718.4	728.1	737.7	747.1	756.6	768.8	778.7	778.9	779.3	779.7
120°	630.1	634.0	637.6	641.4	644.9	648.6	655.1	659.5	662.7	665.7	669.0
122.5°	564.0	565.1	566.0	567.1	568.0	568.9	573.3	575.0	576.9	578.9	580.9
125°	511.8	512.0	512.1	512.3	512.1	512.3	516.3	517.0	516.6	516.0	515.6
127.5°	478.2	477.8	477.1	476.7	475.6	475.2	478.7	479.0	476.7	474.4	471.9
130°	455.0	454.8	454.2	453.8	453.5	453.2	457.2	458.0	454.5	450.6	447.1
132.5°	441.4	441.3	440.7	440.7	440.4	440.0	444.6	445.5	441.7	437.3	433.5
135°	430.8	430.8	430.6	430.4	430.2	430.4	435.4	436.4	432.8	428.6	424.9
137.5°	422.5	422.4	422.3	422.4	422.2	422.2	427.8	429.0	426.0	422.5	419.4
140°	416.0	416.0	416.1	416.4	416.4	416.8	422.9	424.4	422.1	419.2	416.5
142.5°	409.0	409.7	410.1	411.0	411.4	412.2	419.2	421.2	419.2	416.9	415.0
145°	405.7	406.7	407.2	408.2	408.9	410.1	417.9	420.5	419.1	417.4	416.0
147.5°	403.1	403.8	404.4	405.2	406.0	407.3	415.7	418.2	417.3	416.2	415.1
150°	400.1	400.9	401.5	402.4	403.5	404.6	414.3	417.3	416.5	415.6	414.6
152.5°	395.6	396.2	396.9	397.6	398.5	399.6	411.4	414.7	414.1	413.0	412.4
155°	394.2	394.6	394.9	395.6	396.0	397.1	409.9	413.4	412.9	412.3	411.7
157.5°	395.9	396.0	395.9	396.3	396.6	397.1	410.6	414.5	413.8	413.3	412.8
160°	398.4	398.4	398.3	398.5	398.5	398.8	412.8	416.3	415.9	415.3	414.7
162.5°	401.4	402.0	402.0	402.2	402.4	403.0	416.9	421.1	420.1	419.5	418.8
165°	407.1	406.9	406.9	407.1	407.0	407.2	420.6	423.8	423.5	422.8	422.3
167.5°	413.0	413.3	413.1	413.4	413.4	413.9	426.2	429.4	429.1	428.4	428.0
170°	419.4	419.7	419.6	419.8	420.1	420.6	430.8	433.6	433.3	432.4	432.0
172.5°	425.2	425.6	425.9	426.1	426.4	426.8	435.6	438.1	437.8	437.2	436.6
175°	428.4	428.4	428.8	429.2	429.5	429.7	436.7	438.5	438.3	437.9	437.6
177.5°	433.3	433.4	433.7	434.0	434.3	434.6	438.7	439.8	439.7	439.7	439.5
180°	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6



TEST NUMBER: P1444415
 CATALOG NUMBER: EHBR1-54-UNV-TA-L840-UPL24

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2
2.5°	46847.5	46863.9	46866.3	46885.6	46884.0	46906.9	46903.3	46921.9	46911.0	46926.5	46913.5
5°	47947.8	48047.6	48099.7	48197.1	48228.0	48315.1	48339.7	48419.2	48422.5	48485.6	48471.1
7.5°	49503.4	49650.5	49737.8	49858.2	49919.2	50019.6	50063.7	50137.8	50161.7	50220.7	50225.2
10°	50432.3	50503.8	50553.6	50587.2	50617.9	50632.3	50649.1	50644.6	50649.1	50642.5	50656.9
12.5°	50067.0	49962.7	49893.7	49763.1	49687.4	49543.1	49472.2	49333.4	49283.0	49163.8	49146.7
15°	48216.5	47853.0	47596.2	47222.7	46988.0	46620.5	46405.5	46074.1	45922.6	45659.2	45590.1
17.5°	44843.7	44169.0	43646.8	42977.0	42512.2	41886.3	41492.6	40974.5	40690.6	40272.8	40128.1
20°	40115.1	39116.8	38333.6	37400.6	36732.9	35901.0	35368.4	34696.7	34306.7	33793.5	33585.5
22.5°	34563.7	33320.8	32342.6	31240.4	30434.8	29507.7	28869.6	28142.8	27718.5	27161.0	26914.2
25°	28841.8	27471.1	26383.6	25222.4	24371.2	23441.8	22803.6	22089.6	21650.6	21121.3	20876.0
27.5°	23369.2	21981.9	20930.9	19851.3	19070.4	18231.8	17656.0	17032.6	16643.0	16191.1	15960.4
30°	18539.9	17316.3	16421.9	15525.9	14876.3	14195.3	13716.7	13200.1	12858.3	12471.4	12251.6
32.5°	14605.4	13660.6	12960.4	12249.4	11717.8	11148.6	10735.2	10279.3	9970.7	9625.3	9426.2
35°	11567.3	10833.2	10274.6	9689.4	9232.7	8747.9	8383.6	7990.2	7713.3	7415.8	7243.9
37.5°	9139.3	8555.6	8096.0	7609.9	7234.7	6833.1	6697.8	6246.4	5959.5	5722.1	5557.7
40°	7172.6	6708.4	6328.1	5956.3	5650.4	5345.8	5101.4	4860.2	4675.0	4505.2	4387.7
42.5°	5601.2	5265.0	4987.2	4714.9	4491.7	4269.8	4092.7	3926.5	3801.8	3690.7	3615.0
45°	4452.7	4221.5	4028.4	3836.6	3679.1	3531.0	3411.8	3305.8	3225.3	3158.6	3111.3
47.5°	3658.0	3499.6	3363.5	3234.0	3127.2	3030.1	2950.3	2924.3	2837.7	2779.3	2757.1
50°	3108.8	3013.2	2909.8	2814.3	2742.9	2671.8	2620.1	2569.3	2536.9	2510.1	2501.9
52.5°	2698.9	2625.8	2568.3	2507.8	2460.6	2410.1	2374.4	2340.6	2322.8	2308.7	2307.0
55°	2394.2	2343.0	2305.0	2264.4	2236.1	2206.5	2188.0	2170.2	2162.4	2155.2	2155.7
57.5°	2163.6	2129.4	2104.7	2078.3	2063.1	2048.9	2044.1	2039.7	2042.1	2043.1	2047.2
60°	1995.5	1973.3	1957.8	1942.6	1936.3	1931.7	1935.2	1939.2	1947.4	1953.9	1959.8
62.5°	1866.8	1854.1	1846.5	1838.4	1837.7	1838.0	1845.0	1851.7	1861.9	1869.6	1875.2
65°	1734.3	1727.0	1724.6	1719.3	1722.0	1723.5	1731.8	1737.0	1747.2	1753.3	1760.6
67.5°	1600.3	1598.6	1600.2	1600.2	1604.8	1608.9	1616.8	1622.7	1631.4	1636.9	1642.8
70°	1501.4	1502.1	1505.7	1506.4	1511.5	1514.2	1521.2	1524.9	1532.8	1537.4	1544.6
72.5°	1405.2	1403.7	1404.5	1402.3	1404.0	1403.3	1407.2	1409.1	1415.6	1419.3	1427.9
75°	1302.8	1298.5	1297.5	1292.8	1292.9	1289.7	1291.2	1291.0	1295.4	1297.2	1303.3
77.5°	1179.1	1171.9	1168.4	1160.7	1160.5	1157.5	1160.7	1162.5	1170.1	1173.8	1180.8
80°	1031.2	1019.8	1014.5	1005.6	1007.1	1006.6	1014.2	1019.9	1029.3	1031.0	1040.0
82.5°	857.0	845.4	839.9	831.1	833.1	833.3	840.3	841.5	849.6	853.1	863.5
85°	613.7	618.1	605.9	606.7	604.1	608.9	613.7	619.5	626.3	637.6	646.3
87.5°	361.4	359.8	364.1	364.7	370.9	374.2	384.2	390.0	401.3	410.1	426.0
90°	174.7	168.3	171.2	168.7	174.3	171.9	177.0	173.7	180.0	180.2	188.4
92.5°	69.2	65.5	60.6	56.8	52.2	48.6	46.0	44.6	42.1	40.8	38.1
95°	93.3	87.1	80.9	74.7	68.5	62.3	59.9	57.7	55.4	53.2	50.9
97.5°	108.5	101.7	95.0	88.3	81.6	75.0	73.5	71.9	70.4	68.9	67.4
100°	155.4	142.6	129.7	116.5	103.7	90.8	89.6	88.4	87.2	86.0	84.8
102.5°	312.2	282.5	253.0	223.3	193.7	164.0	158.8	153.7	148.5	143.4	138.2
105°	571.2	523.7	476.3	428.8	381.6	334.1	320.0	305.6	291.5	277.4	263.3
107.5°	816.2	769.9	723.6	677.4	631.1	584.9	562.4	540.1	517.6	495.3	473.0
110°	939.7	911.7	884.1	855.8	828.2	800.4	778.8	757.6	736.1	714.7	693.4



TEST NUMBER: P1444415
 CATALOG NUMBER: EHBR1-54-UNV-TA-L840-UPL24

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	954.2	940.1	925.8	911.6	897.7	883.6	873.1	862.6	852.2	841.7	830.9
115°	888.8	884.0	879.2	874.6	870.1	865.2	864.3	863.5	862.4	861.6	860.9
117.5°	779.9	780.2	780.4	780.9	781.4	781.9	787.1	792.2	797.6	803.2	808.8
120°	672.0	675.2	678.2	681.7	684.9	688.2	695.1	702.3	709.3	716.9	724.3
122.5°	582.6	584.6	586.3	588.5	590.5	592.6	599.3	606.3	613.3	620.4	627.8
125°	514.5	514.0	513.3	512.6	511.9	511.7	516.9	522.4	528.1	534.0	539.7
127.5°	469.5	466.9	464.3	462.0	459.4	457.3	460.0	463.0	466.0	469.2	472.4
130°	443.3	439.5	435.5	432.1	428.0	424.5	425.1	425.8	426.6	427.5	428.5
132.5°	429.1	425.0	420.7	416.4	412.1	407.9	407.0	406.2	405.2	404.8	404.4
135°	420.7	416.8	412.5	408.4	404.1	400.4	398.7	396.9	395.4	394.0	392.7
137.5°	416.0	412.7	409.3	406.0	402.4	399.2	396.8	395.1	393.0	391.6	389.8
140°	413.6	411.1	407.9	405.2	402.2	399.7	397.6	396.1	394.3	392.9	391.4
142.5°	412.6	410.5	408.1	406.0	403.7	401.6	399.8	398.3	396.5	395.2	393.6
145°	414.3	412.9	411.2	409.6	407.8	406.3	404.6	403.5	402.1	400.9	399.9
147.5°	414.0	412.7	411.6	410.4	409.0	407.7	406.5	405.9	404.5	403.8	402.8
150°	413.4	412.4	411.2	410.4	408.9	408.0	407.0	406.4	405.4	405.1	404.2
152.5°	411.2	410.4	409.3	408.5	407.2	406.3	405.5	405.0	404.3	403.8	402.8
155°	410.8	410.1	409.3	408.5	407.4	406.9	406.1	405.2	404.5	403.8	403.0
157.5°	412.1	411.4	410.5	410.0	408.9	408.2	407.5	406.8	406.0	405.4	404.6
160°	414.1	413.5	412.7	412.0	411.3	410.6	409.6	408.8	407.8	407.2	406.1
162.5°	418.0	417.1	416.5	415.6	414.6	413.9	413.0	412.4	411.7	411.0	410.1
165°	421.6	420.9	420.1	419.4	418.9	418.2	417.3	416.6	415.6	414.9	413.9
167.5°	427.3	426.8	426.1	425.6	424.8	424.1	423.4	422.6	421.7	420.9	419.7
170°	431.4	430.6	430.0	429.2	428.5	427.7	427.0	426.2	425.3	424.9	423.8
172.5°	436.1	435.8	435.1	434.7	433.8	433.3	432.8	432.2	431.4	430.7	430.2
175°	437.4	437.3	437.1	436.6	436.4	436.0	435.7	435.5	435.2	435.0	434.5
177.5°	439.5	439.3	439.3	439.0	438.8	438.8	438.5	438.3	438.1	437.7	437.6
180°	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6



TEST NUMBER: P1444415
 CATALOG NUMBER: EHBR1-54-UNV-TA-L840-UPL24

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2
2.5°	46927.0	46915.1	46920.7	46898.7	46904.0	46877.4	46875.0	46845.0	46842.1	46813.9	46803.3
5°	48515.8	48489.7	48519.2	48473.3	48482.2	48422.5	48417.5	48340.2	48313.5	48216.9	48175.1
7.5°	50262.0	50252.2	50270.2	50231.8	50230.5	50177.2	50155.2	50085.9	50042.9	49941.4	49876.6
10°	50644.6	50653.6	50638.9	50642.5	50621.7	50616.0	50594.7	50581.2	50546.4	50520.0	50481.3
12.5°	49056.1	49065.6	49005.0	49043.5	49013.1	49084.0	49078.3	49161.7	49174.6	49280.3	49320.3
15°	45384.7	45373.3	45257.1	45330.3	45291.0	45446.6	45481.4	45690.6	45802.6	46071.3	46236.4
17.5°	39838.6	39808.7	39644.9	39734.1	39688.7	39918.2	39995.0	40329.8	40538.6	40971.6	41280.1
20°	33227.4	33170.1	32978.5	33082.9	33036.1	33296.7	33406.5	33811.1	34080.3	34653.8	35061.7
22.5°	26534.0	26443.4	26255.8	26353.4	26309.2	26579.1	26722.0	27127.9	27436.3	28025.0	28501.3
25°	20523.5	20442.7	20261.3	20329.5	20313.1	20541.4	20668.7	21052.6	21355.6	21916.4	22370.9
27.5°	15653.7	15569.7	15405.8	15454.1	15437.5	15632.0	15751.9	16072.7	16333.4	16805.5	17204.7
30°	11980.7	11879.3	11740.3	11767.0	11755.6	11913.3	12025.2	12295.3	12518.8	12917.7	13261.6
32.5°	9183.1	9081.3	8953.6	8966.1	8949.2	9072.9	9165.2	9400.0	9594.8	9934.0	10233.4
35°	7026.4	7145.3	6872.7	7045.4	6865.5	7129.6	7034.6	7181.5	7349.0	7634.8	7884.4
37.5°	5401.6	5318.6	5248.4	5241.0	5240.6	5301.8	5374.0	5515.4	5663.0	5876.0	6096.0
40°	4280.5	4222.3	4176.9	4173.6	4176.9	4220.3	4273.7	4371.5	4479.6	4632.5	4794.2
42.5°	3550.3	3511.6	3484.3	3482.4	3491.0	3521.8	3558.9	3617.0	3687.3	3786.4	3897.3
45°	3072.8	3051.3	3036.1	3035.2	3039.2	3055.3	3076.5	3112.8	3157.4	3219.2	3289.3
47.5°	2737.7	2732.5	2723.0	2723.3	2719.0	2725.6	2728.0	2748.3	2772.0	2818.6	2910.3
50°	2493.7	2493.7	2487.2	2486.9	2480.6	2480.2	2475.1	2483.0	2494.1	2523.0	2552.4
52.5°	2300.9	2300.2	2293.2	2291.7	2285.2	2284.8	2280.3	2283.5	2285.0	2299.5	2317.1
55°	2150.2	2145.7	2136.4	2133.4	2130.8	2134.6	2132.9	2133.0	2131.1	2137.3	2142.4
57.5°	2042.1	2036.3	2027.4	2024.8	2024.1	2028.6	2028.8	2027.2	2019.1	2013.6	2005.7
60°	1956.6	1950.6	1941.1	1938.7	1940.1	1946.3	1946.0	1940.7	1928.6	1918.0	1905.8
62.5°	1872.5	1870.1	1865.2	1864.5	1863.3	1864.3	1860.0	1854.4	1842.5	1831.2	1817.9
65°	1759.7	1760.9	1757.3	1757.8	1753.4	1752.7	1746.2	1740.8	1728.7	1718.4	1704.8
67.5°	1642.6	1643.5	1640.5	1640.5	1638.2	1638.6	1634.6	1629.6	1619.3	1611.1	1600.5
70°	1546.1	1548.5	1546.8	1547.3	1544.6	1543.5	1537.2	1532.4	1521.9	1514.9	1505.3
72.5°	1430.6	1435.7	1435.5	1436.8	1432.6	1430.6	1423.1	1417.0	1407.5	1401.9	1394.3
75°	1305.7	1312.5	1314.4	1317.4	1311.5	1308.4	1300.2	1295.4	1287.6	1284.4	1279.3
77.5°	1184.0	1191.4	1198.6	1205.1	1195.6	1187.1	1176.9	1169.1	1158.0	1153.7	1145.9
80°	1047.3	1060.5	1076.2	1089.4	1072.3	1054.9	1038.2	1025.6	1010.9	1004.9	995.2
82.5°	868.8	882.4	891.4	899.8	887.9	875.3	859.0	848.1	832.1	826.3	815.0
85°	660.1	676.9	682.3	686.7	679.2	672.4	657.2	636.5	626.5	610.7	602.6
87.5°	434.2	444.3	446.1	447.7	443.1	439.7	429.8	420.1	403.0	390.5	375.2
90°	186.9	192.5	187.5	188.9	184.0	185.8	176.9	174.8	161.7	157.6	146.1
92.5°	36.5	34.1	32.2	30.2	32.9	34.2	36.8	38.1	40.7	42.1	44.6
95°	48.6	46.3	44.1	41.8	43.6	45.4	47.2	49.0	50.9	52.7	54.5
97.5°	65.9	64.4	62.9	61.3	62.5	63.5	64.6	65.6	66.7	67.7	68.9
100°	83.5	82.3	81.1	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
102.5°	133.1	127.9	122.8	117.6	121.2	124.6	128.1	131.6	135.1	138.5	142.3
105°	249.2	235.1	221.1	206.9	220.6	234.2	247.9	261.5	275.2	289.1	302.8
107.5°	450.5	428.3	406.0	383.7	408.7	433.6	458.5	483.3	508.1	533.0	558.2
110°	672.2	651.0	629.7	608.5	634.9	661.3	687.6	714.0	740.6	766.9	793.6



TEST NUMBER: P1444415
 CATALOG NUMBER: EHBR1-54-UNV-TA-L840-UPL24

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	820.6	810.3	800.0	789.7	806.7	823.6	840.7	858.1	875.0	892.2	909.2
115°	860.1	859.5	858.9	858.3	866.3	874.3	882.4	890.5	898.7	906.7	915.2
117.5°	814.3	819.8	825.6	831.3	833.9	836.5	839.3	841.8	844.7	847.5	850.4
120°	731.7	739.0	746.7	754.4	753.3	752.3	751.4	750.4	749.8	749.0	748.6
122.5°	635.2	642.5	650.2	657.8	655.5	653.2	651.2	649.1	647.4	645.5	643.7
125°	546.0	552.0	558.3	564.7	562.4	560.2	558.0	556.3	554.3	552.4	551.0
127.5°	476.1	479.9	483.4	487.3	486.2	485.2	484.6	483.8	483.2	482.9	482.7
130°	429.7	431.2	433.0	434.5	434.8	435.1	435.9	436.5	437.5	438.3	439.7
132.5°	404.5	404.2	404.5	404.6	405.8	407.0	408.7	410.3	412.4	414.1	416.7
135°	391.8	391.0	390.3	389.9	391.7	393.3	395.4	397.6	400.3	403.0	405.8
137.5°	388.7	387.4	386.5	385.4	387.3	389.1	391.2	393.4	395.8	398.6	401.6
140°	390.3	389.1	388.5	387.5	389.3	390.9	393.1	395.2	397.7	400.5	403.3
142.5°	392.7	391.3	390.7	390.0	391.3	393.0	395.1	397.0	399.4	401.6	404.2
145°	398.9	397.7	397.3	396.6	397.6	398.9	400.3	401.8	403.5	405.1	407.3
147.5°	402.1	401.4	401.1	400.5	401.4	402.2	403.2	404.1	405.7	406.9	408.5
150°	404.1	403.3	403.0	402.7	403.2	403.6	404.4	404.8	405.7	406.5	407.8
152.5°	402.7	401.9	402.0	401.6	401.8	402.2	402.8	403.3	404.0	404.6	405.8
155°	402.6	402.1	401.6	401.1	401.0	401.0	401.3	401.3	401.7	401.9	402.3
157.5°	404.2	403.6	403.2	402.5	402.4	402.0	402.0	401.8	402.0	401.5	401.7
160°	405.7	404.6	404.0	403.3	403.2	402.8	403.0	402.6	402.7	402.7	402.8
162.5°	409.6	408.8	408.3	407.6	407.3	406.6	406.2	405.6	405.2	404.9	404.7
165°	413.0	412.3	411.5	410.6	410.3	410.0	409.6	409.3	409.0	408.6	408.6
167.5°	419.3	418.2	417.6	416.7	416.3	415.4	415.1	414.4	414.0	413.4	413.3
170°	423.4	422.5	422.1	421.4	421.0	420.5	420.2	419.7	419.5	419.4	419.4
172.5°	429.8	429.0	428.6	428.1	427.7	427.4	427.2	427.0	426.7	426.7	426.5
175°	434.3	434.0	433.8	433.5	433.2	433.0	432.7	432.5	432.4	432.1	432.0
177.5°	437.0	436.8	436.6	436.5	436.3	436.3	436.3	436.3	436.3	436.1	436.0
180°	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6



TEST NUMBER: P1444415
 CATALOG NUMBER: EHBR1-54-UNV-TA-L840-UPL24

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2
2.5°	46773.0	46760.7	46728.3	46712.4	46682.4	46667.3	46644.0	46628.8	46609.9	46595.9	46588.7
5°	48068.9	48009.1	47889.3	47815.4	47686.0	47600.8	47472.2	47378.0	47245.2	47147.3	47021.9
7.5°	49755.0	49663.2	49509.6	49393.2	49212.2	49073.7	48870.5	48708.0	48483.5	48297.1	48067.7
10°	50441.4	50387.8	50318.9	50244.1	50143.8	50045.3	49906.6	49765.2	49576.7	49389.2	49144.3
12.5°	49426.9	49477.2	49576.7	49623.1	49699.2	49725.0	49759.8	49743.5	49712.7	49636.1	49525.0
15°	46553.4	46763.9	47096.6	47326.6	47649.1	47875.5	48175.1	48367.9	48590.0	48722.7	48848.8
17.5°	41826.9	42234.0	42821.0	43289.2	43917.9	44429.1	45055.4	45547.4	46115.5	46551.4	47015.4
20°	35772.8	36343.0	37153.2	37841.4	38752.4	39524.9	40514.5	41343.5	42310.6	43116.7	43986.7
22.5°	29257.0	29927.6	30856.1	31686.1	32773.9	33745.6	34985.6	36081.6	37389.0	38560.2	39855.8
25°	23110.0	23767.4	24713.1	25572.6	26747.0	27817.3	29171.9	30429.4	31946.6	33361.3	34985.6
27.5°	17838.7	18422.6	19254.0	20027.6	21103.1	22153.9	23528.7	24869.6	26488.5	28008.9	29759.2
30°	13776.6	14250.2	14916.3	15538.7	16402.1	17261.5	18486.0	19726.2	21337.0	22912.6	24707.1
32.5°	10676.4	11080.2	11636.4	12141.6	12806.8	13454.8	14356.6	15347.6	16760.6	18269.8	20004.9
35°	8264.7	8610.2	9083.5	9518.7	10065.9	10580.3	11253.2	11960.5	13038.8	14308.2	15861.1
37.5°	6589.1	6729.9	7067.7	7424.3	7878.8	8301.4	8827.8	9350.8	10122.3	11123.9	12392.4
40°	5010.9	5234.6	5509.5	5790.3	6134.4	6473.5	7051.0	7329.0	7837.0	8556.0	9540.6
42.5°	4043.2	4200.5	4394.0	4589.2	4829.0	5065.2	5357.3	5654.7	6034.5	6521.5	7221.8
45°	3383.4	3486.0	3610.7	3740.9	3898.3	4059.4	4255.1	4459.3	4716.6	5015.9	5441.2
47.5°	2942.6	2999.4	3080.8	3169.6	3277.5	3389.1	3516.3	3646.4	3806.4	3983.9	4226.1
50°	2598.6	2645.9	2709.2	2768.5	2843.1	2957.4	3007.8	3079.7	3175.8	3280.4	3415.8
52.5°	2349.7	2381.1	2420.8	2455.0	2502.1	2544.9	2601.0	2650.5	2717.1	2779.8	2867.3
55°	2155.7	2167.2	2189.7	2211.7	2244.3	2273.6	2312.0	2344.4	2386.9	2424.4	2479.5
57.5°	2006.1	2007.1	2017.5	2028.9	2049.9	2068.2	2094.8	2116.1	2145.5	2169.5	2202.5
60°	1898.4	1892.8	1894.8	1898.8	1910.6	1922.5	1939.5	1953.4	1971.9	1985.4	2004.0
62.5°	1808.9	1799.9	1797.8	1796.8	1802.7	1807.0	1816.2	1823.0	1833.6	1839.4	1849.3
65°	1695.8	1685.2	1681.1	1676.2	1678.0	1676.6	1680.0	1680.2	1685.5	1686.7	1692.5
67.5°	1593.2	1584.3	1579.0	1572.4	1569.5	1564.8	1562.7	1558.2	1557.5	1553.8	1552.9
70°	1499.7	1491.0	1486.5	1480.4	1477.3	1471.0	1467.3	1459.6	1455.2	1448.0	1444.1
72.5°	1391.4	1386.6	1385.2	1381.0	1379.9	1376.5	1375.0	1369.5	1366.4	1360.3	1356.9
75°	1278.2	1274.3	1273.9	1269.7	1269.4	1265.3	1264.2	1258.5	1255.5	1249.4	1246.9
77.5°	1143.5	1137.5	1135.8	1131.0	1132.2	1130.1	1131.9	1127.6	1125.6	1119.6	1117.7
80°	991.6	984.1	980.9	974.5	976.3	973.3	976.3	975.9	978.1	973.3	972.5
82.5°	811.8	803.6	802.0	797.5	800.4	800.7	807.2	803.7	805.1	800.5	802.5
85°	590.8	584.5	575.8	574.6	569.2	574.8	567.4	572.4	564.2	570.0	562.4
87.5°	366.3	353.5	346.7	337.5	334.0	325.2	321.6	315.1	317.0	314.1	315.8
90°	144.4	134.3	133.2	125.6	126.1	119.7	122.1	117.9	121.0	116.6	120.3
92.5°	46.0	47.9	51.5	55.6	58.8	62.5	66.1	70.2	73.5	77.5	80.7
95°	56.3	58.1	63.0	67.8	72.6	77.5	82.5	87.4	92.2	97.1	101.9
97.5°	69.9	71.0	75.9	80.7	85.6	90.4	95.2	100.5	105.3	110.2	115.0
100°	79.9	80.1	93.9	107.7	121.5	135.5	149.2	163.1	177.2	190.9	204.7
102.5°	145.7	149.2	184.0	219.1	253.9	288.7	323.8	358.8	393.6	428.8	463.8
105°	316.4	330.2	383.4	436.8	490.0	543.2	596.7	650.2	703.6	757.0	810.3
107.5°	583.0	608.0	656.3	704.5	752.5	800.8	849.3	897.5	945.7	994.1	1042.7
110°	820.0	846.6	878.8	911.3	943.8	976.1	1008.6	1041.0	1073.7	1106.2	1139.0



TEST NUMBER: P1444415
 CATALOG NUMBER: EHBR1-54-UNV-TA-L840-UPL24

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	926.3	943.6	962.4	981.7	1000.5	1019.7	1038.8	1057.9	1077.2	1096.5	1115.8
115°	923.4	931.9	939.2	946.9	954.5	962.2	970.0	977.8	985.9	993.7	1001.6
117.5°	853.1	856.4	857.6	859.3	860.7	862.7	864.2	866.2	868.1	870.1	871.7
120°	747.9	747.3	746.5	745.9	745.0	744.5	744.0	743.6	743.3	743.0	742.5
122.5°	641.9	640.5	639.7	639.3	638.8	638.5	638.1	638.1	637.8	637.7	637.4
125°	549.5	548.2	549.8	551.6	553.4	555.5	557.3	559.6	561.6	563.8	565.9
127.5°	482.4	482.5	486.0	489.6	493.3	497.1	501.0	504.9	508.6	512.8	516.4
130°	441.0	442.5	446.8	451.5	456.0	460.7	465.5	470.4	474.8	479.6	484.2
132.5°	418.7	421.6	425.7	430.2	434.7	439.2	444.0	448.5	453.1	457.9	462.2
135°	408.8	412.1	416.1	420.3	424.5	428.9	433.2	437.6	441.5	446.0	450.0
137.5°	404.4	407.6	411.3	414.7	418.1	422.0	425.5	429.1	432.6	436.2	439.6
140°	406.1	409.4	411.5	414.1	416.4	418.8	421.0	423.7	425.8	428.4	430.5
142.5°	406.8	409.9	411.2	413.0	414.7	416.8	418.5	420.3	421.9	423.5	425.0
145°	409.3	411.7	412.3	413.2	413.9	414.8	415.4	416.3	416.7	417.4	417.9
147.5°	410.2	411.9	411.9	412.6	412.9	413.2	413.6	414.0	414.0	414.5	414.7
150°	408.7	410.1	409.9	410.1	409.9	410.0	409.7	409.8	409.5	409.6	409.4
152.5°	406.5	407.5	406.9	407.0	406.5	406.3	405.8	405.8	405.3	405.1	405.0
155°	402.5	402.9	402.6	402.5	402.2	402.1	401.8	402.0	401.9	401.7	401.8
157.5°	401.7	401.7	401.5	401.4	401.0	401.1	400.9	401.0	400.9	401.4	401.5
160°	402.6	402.7	402.4	402.2	402.1	401.9	401.8	402.0	402.1	402.5	402.8
162.5°	404.2	404.0	403.7	403.5	403.4	403.4	403.5	403.8	403.9	404.2	404.6
165°	408.6	408.7	408.1	408.1	407.8	407.7	407.5	407.6	407.8	408.0	408.2
167.5°	413.0	412.9	412.9	413.0	413.0	413.2	413.4	414.1	414.2	414.9	415.1
170°	419.2	419.4	419.1	419.1	419.0	418.9	419.0	419.0	419.2	419.4	419.4
172.5°	426.5	426.5	426.2	425.9	425.6	425.5	425.2	425.2	424.9	424.8	424.5
175°	431.5	431.4	431.2	431.1	430.9	430.6	430.4	430.0	429.8	429.7	429.5
177.5°	435.8	435.4	435.3	435.3	435.1	434.9	434.9	434.7	434.7	434.7	434.4
180°	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6



TEST NUMBER: P1444415
 CATALOG NUMBER: EHBR1-54-UNV-TA-L840-UPL24

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2
2.5°	46579.3	46578.8	46574.2	46576.3	46577.2	46580.5	46584.5	46588.7	46589.5	46592.8	46593.5
5°	46927.9	46812.7	46727.4	46633.7	46563.1	46499.8	46457.5	46423.9	46410.9	46414.2	46422.0
7.5°	47873.1	47635.3	47438.9	47215.9	47029.7	46832.7	46669.4	46514.1	46401.0	46316.6	46269.5
10°	48910.4	48620.7	48343.5	48020.5	47714.2	47387.3	47091.2	46793.1	46544.5	46328.6	46170.0
12.5°	49370.7	49165.9	48926.3	48621.6	48293.8	47916.6	47535.6	47127.3	46747.5	46394.9	46110.6
15°	48883.3	48883.7	48796.3	48650.1	48422.5	48121.0	47758.1	47332.4	46884.4	46427.2	46009.5
17.5°	47336.2	47628.1	47790.5	47893.2	47861.7	47750.6	47519.7	47192.7	46775.0	46288.1	45778.3
20°	44679.4	45367.9	45858.7	46300.2	46547.6	46712.0	46695.5	46562.5	46265.0	45851.0	45320.1
22.5°	40957.6	42113.2	43025.1	43875.4	44471.7	44956.8	45187.4	45285.2	45150.5	44862.1	44363.6
25°	36437.2	38008.4	39349.2	40650.5	41626.6	42465.5	42969.6	43324.7	43353.0	43202.3	42757.6
27.5°	31414.1	33268.7	34965.8	36695.2	38067.9	39273.8	40065.1	40644.2	40828.3	40804.0	40400.2
30°	26397.5	28344.5	30215.1	32231.7	33930.2	35471.0	36516.2	37299.5	37601.3	37659.1	37270.7
32.5°	21659.8	23579.7	25445.2	27553.5	29422.6	31188.4	32423.3	33353.7	33704.6	33787.4	33361.3
35°	17360.0	19131.3	20904.1	22947.4	24805.9	26634.4	27935.6	28909.7	29237.4	29292.7	28799.5
37.5°	13631.4	15140.5	16685.2	18518.6	20225.3	21942.5	23178.8	24094.3	24333.0	24318.3	23760.1
40°	10491.9	11665.1	12906.3	14415.7	15834.5	17286.3	18330.3	19087.1	19212.5	19119.5	18533.1
42.5°	7889.3	8736.7	9636.6	10763.2	11816.0	12902.5	13662.1	14223.9	14241.7	14094.8	13568.4
45°	5877.5	6704.3	7081.7	7762.8	8441.0	9163.4	9627.2	9974.2	9920.5	9791.2	9391.3
47.5°	4480.6	4798.3	5135.3	5557.7	5952.7	6772.5	6711.8	7269.0	6867.7	7141.4	6538.8
50°	3558.0	3735.6	3917.2	4141.3	4347.7	4562.0	4696.0	4795.9	4783.0	4740.0	4624.5
52.5°	3027.0	3082.0	3171.4	3298.8	3414.1	3530.0	3606.2	3668.2	3669.4	3652.1	3593.8
55°	2530.0	2599.6	2663.9	2747.2	2889.2	2911.0	3020.2	2998.1	3006.7	2976.4	3007.4
57.5°	2230.6	2271.2	2307.4	2356.9	2398.0	2445.8	2474.1	2501.2	2498.6	2492.7	2463.0
60°	2018.5	2040.9	2061.0	2089.9	2112.4	2139.5	2152.5	2166.3	2161.8	2151.8	2125.3
62.5°	1854.9	1869.1	1880.5	1899.1	1912.9	1929.7	1936.4	1942.3	1936.4	1926.9	1903.5
65°	1693.7	1702.7	1710.0	1724.0	1733.8	1748.1	1753.8	1759.4	1753.9	1746.6	1728.7
67.5°	1548.2	1549.0	1548.3	1554.1	1557.0	1565.7	1568.3	1572.2	1566.0	1559.6	1544.6
70°	1437.8	1435.5	1432.8	1435.0	1435.5	1439.7	1440.4	1439.7	1432.3	1421.2	1404.7
72.5°	1351.6	1350.3	1348.2	1350.1	1350.1	1354.0	1352.8	1350.8	1341.7	1330.9	1314.6
75°	1240.7	1239.8	1235.6	1235.8	1232.3	1233.5	1229.1	1226.4	1216.2	1207.2	1192.6
77.5°	1110.9	1108.8	1102.7	1100.5	1093.9	1091.1	1082.7	1078.5	1068.1	1060.9	1048.4
80°	966.0	963.8	956.0	951.7	941.3	934.6	922.2	915.1	903.2	896.1	883.9
82.5°	798.5	799.3	791.6	786.2	771.3	759.9	743.2	734.2	721.0	714.2	701.7
85°	567.9	559.8	564.1	563.7	554.4	544.6	531.0	521.5	510.4	503.8	495.0
87.5°	311.5	313.4	311.2	309.3	302.7	297.7	287.1	281.5	273.4	269.4	262.8
90°	110.8	109.3	100.3	99.0	90.1	86.0	75.9	73.0	63.7	62.0	55.6
92.5°	76.6	72.5	68.8	64.4	60.6	56.6	52.5	48.4	44.3	42.5	41.6
95°	96.0	90.3	84.4	78.4	72.5	66.6	60.8	55.0	49.0	47.8	46.6
97.5°	108.3	101.3	94.3	87.5	80.5	73.6	66.8	59.8	52.9	52.1	51.4
100°	188.9	173.0	156.9	140.9	124.9	108.9	92.9	76.9	61.0	60.1	59.2
102.5°	424.9	386.1	347.3	308.6	270.0	231.1	192.3	153.4	114.6	109.0	103.4
105°	751.5	692.8	634.3	575.5	516.8	458.0	399.4	340.4	281.7	262.8	244.0
107.5°	987.5	932.3	877.3	822.1	766.9	712.0	656.7	601.5	546.1	513.0	479.8
110°	1095.2	1051.5	1008.1	964.3	920.7	877.0	833.2	789.4	745.8	717.2	688.8



TEST NUMBER: P1444415
 CATALOG NUMBER: EHBR1-54-UNV-TA-L840-UPL24

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	1084.0	1052.1	1020.5	988.4	956.6	924.5	892.9	860.7	828.7	811.6	794.4
115°	982.9	963.9	944.9	926.0	907.0	888.0	869.0	849.6	830.4	821.5	812.7
117.5°	862.6	853.2	843.9	834.5	825.0	815.4	806.0	796.4	786.8	783.9	781.1
120°	740.5	738.2	735.5	733.1	730.6	728.2	725.6	722.9	720.1	721.0	721.8
122.5°	639.4	641.2	643.2	644.7	646.7	648.2	650.1	651.4	653.0	656.2	659.1
125°	569.7	573.1	576.7	580.2	583.7	587.2	590.9	594.0	597.7	600.5	603.9
127.5°	520.8	524.6	528.7	532.4	536.7	540.4	544.4	548.0	551.9	554.7	558.1
130°	488.1	491.4	495.2	498.5	502.2	505.7	509.2	512.8	516.2	518.9	521.5
132.5°	465.6	468.9	472.3	475.3	478.9	481.9	485.3	488.5	492.1	494.0	496.3
135°	452.9	455.4	458.2	460.6	463.5	466.0	468.7	471.5	474.4	476.0	478.1
137.5°	441.9	444.1	446.5	448.6	451.1	453.2	455.9	458.1	460.9	462.0	463.8
140°	432.9	435.1	437.4	439.6	442.1	444.4	447.2	449.5	452.4	453.6	455.3
142.5°	426.9	428.6	430.5	432.4	434.5	436.3	438.6	440.9	443.3	444.7	446.1
145°	420.1	422.0	424.2	426.0	428.1	430.3	433.1	435.5	438.1	439.2	440.5
147.5°	416.3	417.9	419.8	421.7	423.6	425.3	427.8	429.9	432.4	433.6	434.6
150°	411.3	412.8	414.6	416.3	418.4	420.6	422.9	425.1	427.9	429.1	430.3
152.5°	406.7	408.4	410.4	412.5	414.5	416.8	419.2	421.7	424.2	425.3	426.7
155°	403.7	405.2	407.3	409.4	411.6	413.5	415.9	418.2	420.7	422.0	423.2
157.5°	403.3	404.6	406.6	408.4	410.5	412.4	414.7	416.5	418.8	419.9	421.0
160°	404.4	405.8	407.6	409.4	411.2	412.9	414.9	416.6	418.5	419.6	420.7
162.5°	406.2	407.8	409.6	411.0	413.0	414.7	416.7	418.3	420.2	421.1	422.2
165°	409.6	410.9	412.4	413.5	414.9	416.1	417.7	419.0	420.7	421.4	422.5
167.5°	416.4	417.2	418.1	419.1	420.5	421.5	422.8	423.8	425.0	425.9	426.7
170°	420.5	421.3	422.0	423.1	424.0	425.0	425.9	426.7	428.0	428.7	429.5
172.5°	425.1	425.4	426.3	426.7	427.4	427.8	428.7	429.3	429.9	430.8	431.4
175°	430.0	430.1	430.5	430.6	431.0	431.2	431.9	432.3	432.7	433.2	433.6
177.5°	434.5	434.7	434.8	435.0	435.4	435.6	435.9	436.1	436.4	436.9	437.5
180°	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6



TEST NUMBER: P1444415
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CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2
2.5°	46591.9	46591.4	46589.9	46587.7	46585.7	46586.9	46589.0	46594.3	46603.7	46617.2	46634.9
5°	46428.4	46437.9	46443.3	46444.0	46439.1	46436.2	46440.6	46453.5	46479.3	46522.7	46581.2
7.5°	46256.9	46268.6	46286.7	46300.2	46302.8	46299.5	46300.2	46320.3	46367.9	46452.2	46570.6
10°	46073.8	46039.0	46057.3	46090.9	46117.6	46122.4	46125.7	46149.4	46219.1	46346.6	46536.7
12.5°	45904.7	45794.5	45773.2	45803.5	45844.0	45857.0	45853.4	45863.6	45945.2	46113.9	46378.8
15°	45682.2	45474.8	45404.0	45411.8	45461.8	45479.9	45466.6	45446.6	45526.1	45732.1	46075.0
17.5°	45322.2	44987.8	44857.5	44851.8	44910.4	44925.9	44893.7	44831.4	44909.7	45166.8	45592.5
20°	44774.9	44281.3	44036.0	43996.9	44060.6	44042.0	43977.8	43883.5	43986.4	44298.9	44805.1
22.5°	43791.0	43165.5	42746.5	42611.3	42687.4	42636.6	42542.9	42422.5	42559.2	42914.4	43478.1
25°	42183.3	41460.6	40886.8	40564.9	40625.6	40534.6	40432.5	40286.6	40449.7	40857.3	41477.9
27.5°	39820.1	38985.3	38274.3	37741.4	37761.0	37641.9	37524.3	37335.5	37539.0	38021.5	38721.5
30°	36677.7	35711.8	34845.9	34121.7	34056.9	33941.3	33821.0	33573.2	33827.8	34405.5	35223.4
32.5°	32731.4	31659.0	30658.5	29742.8	29570.1	29457.3	29350.0	29064.9	29398.3	30071.8	31011.5
35°	28116.3	26973.9	25889.2	24843.4	24557.2	24444.4	24350.7	24077.5	24493.7	25226.5	26241.4
37.5°	23050.6	21883.6	20806.7	19734.3	19329.9	19177.0	19108.8	18929.8	19409.9	20134.8	21153.9
40°	17850.2	16765.1	15799.6	14852.4	14391.4	14157.4	14121.7	14089.1	14553.2	15182.1	16107.1
42.5°	12985.3	12109.9	11365.4	10641.4	10223.7	9904.0	9903.8	10000.9	10418.7	10889.8	11603.1
45°	8982.3	8394.9	7920.4	7436.7	7566.0	6928.8	7303.2	7111.0	7317.6	7621.3	8085.1
47.5°	6174.5	5853.8	5593.2	5323.0	5125.9	4937.8	4954.3	5075.6	5270.1	5450.3	5691.7
50°	4500.1	4336.8	4204.1	4063.7	3965.7	3882.7	3887.6	3940.0	4042.3	4137.2	4263.5
52.5°	3526.2	3436.0	3364.0	3286.4	3235.0	3193.7	3195.9	3221.4	3276.7	3330.9	3403.4
55°	2906.4	2895.5	2801.8	2732.2	2705.6	2677.9	2682.9	2693.0	2730.6	2762.3	2810.3
57.5°	2435.5	2393.4	2365.4	2328.7	2311.8	2292.4	2296.8	2300.6	2325.7	2347.0	2381.5
60°	2103.1	2073.3	2053.4	2028.4	2017.3	2005.0	2007.8	2010.0	2026.2	2040.0	2064.8
62.5°	1882.2	1855.6	1838.2	1818.9	1811.2	1802.9	1804.8	1805.4	1815.5	1825.7	1844.5
65°	1712.8	1691.6	1677.3	1660.6	1652.4	1643.8	1644.7	1644.7	1653.1	1660.6	1674.6
67.5°	1533.6	1517.6	1508.4	1495.1	1489.6	1480.8	1480.6	1477.8	1483.3	1486.4	1495.8
70°	1389.8	1373.8	1361.7	1349.1	1342.2	1334.4	1334.5	1334.7	1341.2	1347.9	1360.2
72.5°	1300.9	1285.6	1275.0	1263.9	1257.3	1250.7	1249.4	1248.8	1253.5	1257.1	1265.3
75°	1183.3	1171.0	1164.8	1154.4	1149.2	1141.7	1140.5	1137.0	1139.3	1140.0	1146.0
77.5°	1040.6	1029.0	1023.9	1013.3	1009.0	1000.5	999.8	996.0	997.8	996.5	1001.2
80°	877.8	867.3	864.5	855.8	853.8	845.9	844.7	840.1	841.5	837.9	839.6
82.5°	696.3	686.6	684.5	676.5	676.5	669.5	669.1	662.0	662.0	656.0	646.3
85°	490.5	483.4	480.4	473.8	471.9	466.3	463.2	456.5	454.0	449.7	448.4
87.5°	258.8	254.4	250.3	247.2	241.6	231.3	230.5	223.3	223.8	218.9	219.2
90°	54.6	48.8	48.0	42.7	41.6	37.8	37.0	36.8	37.5	37.5	38.4
92.5°	40.2	38.8	37.4	36.1	34.7	33.4	32.0	33.4	34.7	36.1	37.4
95°	45.4	44.2	43.0	41.8	40.6	39.4	38.1	39.4	40.6	41.9	43.1
97.5°	50.6	49.8	49.0	48.3	47.5	46.8	46.0	47.0	47.7	48.5	49.2
100°	58.3	57.4	56.5	55.6	54.7	53.8	52.9	54.1	55.0	55.9	56.8
102.5°	98.0	92.4	86.8	81.2	75.6	70.0	64.4	70.0	75.6	81.3	86.9
105°	225.0	206.2	187.4	168.4	149.4	130.6	111.6	130.8	149.6	168.6	187.7
107.5°	446.5	413.5	380.1	347.0	313.5	280.3	247.0	280.5	313.9	347.2	380.5
110°	660.1	631.4	602.8	574.2	545.5	516.8	488.1	516.9	545.8	574.5	603.3



TEST NUMBER: P1444415
 CATALOG NUMBER: EHBR1-54-UNV-TA-L840-UPL24

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	776.9	759.7	742.3	725.2	707.5	690.3	672.7	690.6	708.1	726.0	743.3
115°	803.9	794.8	785.8	776.8	767.6	758.6	749.2	759.1	768.5	777.8	787.2
117.5°	778.0	775.3	772.3	769.4	766.1	763.2	759.9	763.6	767.0	770.9	774.0
120°	722.4	723.5	724.2	724.7	725.4	725.9	726.2	726.6	726.6	726.6	726.4
122.5°	662.0	664.9	667.7	670.4	673.1	675.7	678.1	676.4	674.5	672.7	670.4
125°	606.6	610.0	612.9	615.9	618.5	621.5	623.7	622.5	620.4	618.5	616.1
127.5°	560.9	563.8	566.5	569.6	571.9	574.4	576.6	575.5	573.8	572.2	570.1
130°	523.8	526.5	528.7	531.1	533.1	535.0	536.6	536.0	535.0	534.2	532.7
132.5°	498.3	500.7	502.7	504.7	506.1	507.9	508.9	509.0	508.4	507.9	506.8
135°	479.9	481.6	483.1	485.0	486.1	487.4	488.1	488.7	488.5	488.4	487.6
137.5°	465.0	466.7	467.8	468.9	469.8	470.5	470.9	471.7	472.0	472.6	472.4
140°	456.5	458.1	459.3	460.3	461.4	462.3	462.5	463.5	463.8	464.1	463.9
142.5°	447.5	448.9	450.2	451.4	452.2	453.1	453.5	454.4	454.7	455.0	454.9
145°	441.7	442.9	444.0	445.1	445.7	446.3	446.3	447.5	447.9	448.4	448.6
147.5°	435.8	437.0	437.8	438.7	439.3	439.8	440.1	440.9	441.5	441.9	442.3
150°	431.8	433.1	434.1	435.2	436.0	436.8	436.9	437.8	438.1	438.4	438.4
152.5°	427.8	428.8	429.9	430.7	431.7	432.2	432.6	433.3	434.0	434.4	434.6
155°	424.3	425.5	426.5	427.5	428.2	429.1	429.8	430.5	431.0	431.3	431.8
157.5°	422.0	423.2	424.1	425.1	425.8	426.8	427.5	428.4	428.9	429.6	429.9
160°	421.6	422.8	423.5	424.5	425.3	426.2	426.9	427.7	428.4	428.9	429.6
162.5°	423.0	424.1	424.6	425.6	426.5	427.3	428.0	428.9	429.6	430.2	430.8
165°	423.6	424.6	425.4	426.4	427.5	428.4	429.1	429.8	430.2	430.7	431.1
167.5°	427.6	428.6	429.3	430.2	430.9	432.0	432.9	433.4	433.8	434.1	434.5
170°	430.2	431.0	432.0	432.6	433.5	434.3	434.8	435.1	435.6	435.9	436.3
172.5°	432.1	433.1	433.8	434.8	435.4	436.2	436.9	437.2	437.3	437.3	437.2
175°	434.1	434.9	435.4	436.0	436.5	437.1	437.8	437.7	437.9	437.8	437.8
177.5°	438.1	438.9	439.6	440.0	440.6	441.0	441.7	441.2	441.0	440.6	440.2
180°	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6



TEST NUMBER: P1444415
 CATALOG NUMBER: EHBR1-54-UNV-TA-L840-UPL24

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2
2.5°	46659.9	46683.2	46718.9	46751.3	46800.0	46838.5	46896.2	46940.0	47005.2	47047.5	47118.3
5°	46664.0	46755.3	46875.4	46992.5	47133.3	47261.2	47420.1	47555.4	47715.1	47845.4	48008.7
7.5°	46730.0	46906.0	47117.1	47329.7	47570.1	47795.0	48048.5	48277.8	48528.6	48740.8	48972.5
10°	46778.7	47050.2	47361.1	47674.0	48003.4	48309.4	48618.3	48885.2	49134.8	49340.0	49521.4
12.5°	46712.7	47086.7	47485.8	47871.0	48237.3	48554.0	48819.8	49025.1	49166.8	49262.9	49285.4
15°	46488.4	46938.5	47372.2	47756.0	48059.9	48294.3	48415.6	48472.4	48411.4	48310.2	48087.7
17.5°	46069.2	46544.0	46931.8	47234.5	47395.2	47458.7	47358.2	47183.4	46841.7	46462.5	45914.8
20°	45300.9	45743.2	46024.5	46189.6	46146.7	45987.8	45608.4	45147.2	44465.1	43738.1	42778.9
22.5°	43953.1	44339.8	44489.7	44502.0	44239.9	43842.1	43157.8	42366.7	41290.6	40171.9	38796.2
25°	41930.1	42268.8	42292.5	42159.5	41679.8	41035.1	40030.3	38911.2	37448.9	35958.3	34234.4
27.5°	39186.5	39511.3	39431.8	39183.6	38517.6	37655.0	36368.4	34922.8	33120.1	31359.5	29452.4
30°	35737.6	36085.0	35991.6	35673.2	34881.0	33861.4	32347.6	30668.2	28666.7	26786.2	24853.7
32.5°	31610.3	32049.5	31985.0	31682.3	30855.7	29764.6	28122.0	26340.7	24293.0	22440.0	20560.0
35°	26919.0	27452.3	27479.8	27281.9	26514.6	25436.1	23814.1	22089.9	20128.6	18380.1	16643.5
37.5°	21864.7	22482.9	22609.9	22556.5	21920.5	20968.5	19490.7	17944.0	16206.4	14674.0	13188.7
40°	16782.4	17408.2	17625.3	17689.8	17220.4	16483.0	15270.1	14021.7	12605.2	11363.5	10184.1
42.5°	12147.7	12702.4	12912.2	13044.3	12751.2	12259.6	11374.8	10468.2	9430.4	8534.8	7676.2
45°	8436.8	8829.2	8988.8	9121.7	8962.0	8684.7	8126.0	7558.9	6873.9	6288.7	5734.6
47.5°	5898.6	6115.0	6220.4	6284.9	6223.0	6078.3	5774.3	5445.8	5059.1	4717.1	4388.2
50°	4372.2	4487.3	4542.4	4579.8	4534.6	4454.2	4289.7	4110.9	3898.5	3704.7	3515.5
52.5°	3464.8	3530.9	3563.6	3583.7	3557.8	3508.7	3412.8	3306.8	3179.5	3059.8	2996.9
55°	2918.9	2915.5	2991.2	2954.7	2991.2	2909.6	2892.4	2775.9	2670.1	2595.7	2515.0
57.5°	2407.2	2441.5	2456.0	2472.3	2461.8	2446.8	2406.1	2364.4	2308.6	2262.0	2212.2
60°	2083.7	2111.9	2127.9	2144.0	2142.9	2137.4	2113.9	2088.8	2054.0	2026.2	1996.0
62.5°	1860.9	1885.3	1901.1	1916.5	1917.9	1915.6	1897.8	1880.5	1856.8	1839.2	1818.4
65°	1685.5	1702.7	1713.5	1725.8	1725.1	1721.8	1705.6	1691.3	1671.7	1659.6	1644.4
67.5°	1502.1	1515.1	1523.4	1535.0	1537.2	1537.9	1529.1	1522.4	1512.8	1509.4	1504.1
70°	1371.6	1387.4	1400.7	1415.4	1423.4	1427.2	1423.4	1420.0	1414.4	1412.0	1408.0
72.5°	1272.9	1286.2	1296.6	1310.0	1317.4	1322.8	1319.9	1318.0	1313.1	1312.4	1309.6
75°	1150.3	1159.4	1165.3	1175.3	1179.3	1184.4	1182.0	1183.3	1181.7	1185.6	1185.4
77.5°	1002.7	1009.5	1012.3	1019.6	1020.3	1026.4	1027.8	1034.8	1039.9	1051.0	1056.8
80°	836.8	841.1	841.1	848.6	851.9	862.1	866.9	878.5	883.9	893.8	894.7
82.5°	650.0	645.1	650.0	646.9	656.5	667.9	669.5	679.4	681.6	687.8	683.0
85°	444.4	444.1	440.0	440.7	437.8	439.2	437.5	439.3	437.6	437.8	433.3
87.5°	212.9	214.8	210.2	211.7	207.2	209.3	205.3	208.5	203.7	204.4	197.5
90°	38.7	39.6	39.9	40.8	42.2	44.4	46.9	49.2	52.4	54.7	57.4
92.5°	38.8	40.4	41.8	43.1	44.5	48.6	52.7	56.8	60.9	65.0	69.0
95°	44.3	45.5	46.7	48.3	49.5	55.5	61.3	67.3	73.3	79.1	85.1
97.5°	50.3	51.1	51.9	52.6	53.6	60.5	67.5	74.5	81.4	88.4	95.1
100°	57.9	58.8	59.7	60.8	61.8	77.8	93.8	110.0	126.0	141.9	157.9
102.5°	92.7	98.3	103.9	109.8	115.4	154.4	193.3	232.3	270.9	309.8	348.5
105°	206.5	225.5	244.9	263.8	282.7	341.6	400.6	459.6	518.1	576.9	635.9
107.5°	414.0	447.3	480.8	514.2	547.5	603.0	658.2	713.6	769.1	824.3	879.2
110°	632.5	660.9	690.1	718.9	747.7	791.4	835.5	879.2	923.1	966.9	1010.6



TEST NUMBER: P1444415
 CATALOG NUMBER: EHBR1-54-UNV-TA-L840-UPL24

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	761.1	778.4	796.1	813.4	830.9	863.0	895.5	927.5	959.8	991.5	1023.6
115°	796.7	805.6	815.0	824.1	833.4	852.7	871.9	891.2	910.6	929.6	949.0
117.5°	777.3	780.6	784.0	786.7	790.0	799.8	809.6	819.4	829.2	839.0	848.7
120°	726.2	725.7	725.4	724.7	724.3	727.0	730.0	732.7	735.7	738.3	740.8
122.5°	668.3	665.6	663.2	660.6	658.1	656.5	655.1	653.5	652.4	650.7	649.3
125°	613.9	611.2	608.7	605.8	603.1	599.9	596.8	593.4	590.2	586.8	583.5
127.5°	568.4	565.7	563.6	560.9	558.4	554.5	551.0	547.2	543.8	539.7	536.2
130°	531.2	529.3	527.7	525.3	523.6	519.8	516.8	513.4	510.0	506.7	503.4
132.5°	505.9	504.4	503.1	501.2	499.7	496.4	493.8	490.4	487.3	484.2	481.3
135°	487.1	486.1	485.3	483.9	482.7	480.0	477.8	475.1	472.7	470.3	467.9
137.5°	472.4	471.6	471.1	470.4	469.6	467.3	465.4	463.0	461.1	458.8	456.9
140°	464.0	463.4	463.0	462.3	461.6	459.3	457.2	454.9	452.8	450.5	448.5
142.5°	454.7	454.3	453.8	453.1	452.5	450.6	449.2	447.4	445.6	443.9	442.1
145°	448.6	448.3	448.3	447.7	447.7	445.5	443.8	441.6	440.1	438.0	436.3
147.5°	442.5	442.3	442.4	442.2	442.2	440.5	439.2	437.5	436.2	434.5	433.2
150°	438.6	438.5	438.5	438.1	438.0	436.3	435.2	433.5	432.4	430.5	429.3
152.5°	434.7	434.9	435.0	435.0	435.1	433.8	432.4	430.8	429.4	427.8	426.5
155°	432.1	432.3	432.4	432.4	432.4	431.1	429.9	428.6	427.4	426.0	424.8
157.5°	430.3	430.6	430.9	431.1	431.3	430.2	429.2	428.1	427.1	425.8	424.8
160°	430.0	430.5	430.8	431.0	431.4	430.5	429.9	428.7	428.1	426.9	425.8
162.5°	431.3	431.9	432.2	432.4	432.7	431.8	431.2	430.3	429.4	428.1	427.2
165°	431.7	431.8	432.1	432.2	432.3	431.7	431.2	430.6	430.0	429.2	428.6
167.5°	434.8	434.9	435.2	435.3	435.4	435.0	435.1	434.5	434.0	433.6	433.1
170°	436.4	436.7	436.8	436.9	437.0	436.6	436.3	435.9	435.7	435.0	434.5
172.5°	437.4	437.3	437.3	437.4	437.3	437.0	436.8	436.5	436.4	436.1	435.8
175°	437.7	437.5	437.6	437.5	437.3	437.3	437.2	437.2	437.1	436.9	436.8
177.5°	440.1	439.9	439.4	439.1	438.8	438.7	438.7	438.6	438.7	438.6	438.4
180°	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6



TEST NUMBER: P1444415
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CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2
2.5°	47162.1	46870.9	46832.4	46852.8	46901.5	46919.5	46972.1	46986.4	47039.3	47052.3	47103.0
5°	48135.3	47750.3	47769.5	47862.0	48002.2	48085.7	48223.4	48295.5	48427.0	48486.8	48605.6
7.5°	49161.4	48859.1	48953.4	49109.4	49301.1	49433.7	49599.2	49707.0	49849.5	49938.1	50052.3
10°	49665.2	49582.4	49686.2	49809.0	49918.4	50003.9	50074.0	50130.2	50167.0	50201.4	50216.5
12.5°	49281.8	49410.0	49427.7	49415.8	49343.3	49288.0	49163.8	49079.5	48929.6	48838.3	48660.0
15°	47860.5	48142.3	47986.2	47749.9	47404.1	47115.9	46708.7	46405.5	45981.5	45694.0	45268.5
17.5°	45366.1	45721.8	45315.1	44768.3	44072.7	43477.6	42736.6	42148.4	41411.6	40875.7	40188.1
20°	41854.4	42186.9	41461.4	40555.0	39478.9	38573.4	37505.4	36653.4	35661.0	34922.8	34032.0
22.5°	37482.0	37718.9	36696.9	35474.9	34104.0	32972.7	31695.8	30674.4	29541.8	28697.9	27748.0
25°	32644.9	32708.9	31482.9	30075.1	28547.2	27275.7	25912.5	24838.6	23683.6	22828.2	21895.9
27.5°	27762.7	27669.0	26344.0	24851.3	23244.0	21922.4	20592.9	19586.5	18574.9	17804.4	17001.2
30°	23154.6	22927.6	21551.8	20017.6	18457.4	17272.9	16169.1	15360.9	14556.1	13945.0	13300.2
32.5°	18928.8	18608.7	17269.4	15832.0	14517.4	13603.3	12784.8	12173.3	11523.4	11007.1	10466.1
35°	15186.0	14844.8	13658.4	12439.8	11444.8	10771.0	10127.7	9626.0	9074.1	8638.7	8168.8
37.5°	11973.7	11694.1	10700.3	9741.4	8988.8	8466.6	7939.5	7529.5	7073.5	6881.9	6379.8
40°	9243.7	9048.2	8271.2	7564.3	6999.1	6753.8	6218.9	5835.8	5495.0	5214.0	4941.8
42.5°	7210.2	7141.0	6384.9	5833.5	5435.6	5126.5	4828.4	4586.3	4350.7	4157.0	3974.0
45°	5291.2	5236.5	4900.7	4582.5	4311.4	4095.3	3893.8	3727.3	3573.3	3445.6	3329.5
47.5°	4120.3	4102.8	3909.4	3712.1	3541.3	3402.4	3271.7	3161.1	3058.9	2973.6	2946.0
50°	3351.2	3349.0	3235.5	3113.7	2992.0	2911.8	2828.3	2763.0	2697.4	2646.2	2592.2
52.5°	2847.4	2835.1	2758.5	2683.3	2611.1	2558.4	2505.0	2463.3	2419.8	2388.3	2354.6
55°	2451.4	2464.3	2420.0	2375.1	2329.9	2297.1	2259.8	2232.2	2202.3	2182.5	2162.2
57.5°	2176.2	2193.4	2170.2	2144.6	2117.1	2095.6	2069.9	2050.8	2030.8	2018.2	2006.4
60°	1976.1	1994.8	1985.4	1972.6	1955.6	1942.8	1926.4	1915.8	1903.0	1895.9	1889.3
62.5°	1806.3	1829.7	1826.4	1820.3	1809.4	1802.3	1793.3	1788.7	1780.2	1777.1	1773.9
65°	1636.9	1663.2	1662.7	1659.7	1653.7	1651.6	1646.1	1645.0	1640.6	1642.5	1642.0
67.5°	1503.6	1526.5	1531.6	1535.2	1535.0	1536.4	1535.9	1538.1	1538.1	1541.4	1543.5
70°	1407.5	1423.4	1427.2	1431.1	1432.1	1435.2	1435.2	1437.1	1436.6	1439.3	1439.7
72.5°	1310.3	1331.3	1335.1	1338.2	1338.2	1341.2	1339.5	1339.0	1334.9	1334.0	1331.1
75°	1189.4	1216.2	1222.1	1225.9	1226.4	1229.1	1225.4	1223.1	1216.2	1213.4	1208.6
77.5°	1063.1	1090.9	1095.1	1096.5	1094.3	1094.8	1087.2	1082.0	1073.1	1069.4	1064.8
80°	898.6	939.7	943.0	940.4	934.0	932.9	925.5	920.6	910.1	906.5	902.4
82.5°	683.8	732.0	738.8	741.7	736.5	737.7	730.6	727.8	718.1	716.4	709.9
85°	431.8	479.9	487.9	486.6	481.5	480.3	476.0	477.5	476.7	479.2	480.6
87.5°	198.4	245.0	256.3	252.6	252.0	248.8	241.4	244.1	248.6	251.5	251.7
90°	59.9	76.5	78.7	77.9	72.4	70.9	65.9	65.1	60.8	59.9	55.8
92.5°	73.2	77.2	81.3	77.7	74.1	70.4	66.8	62.9	59.4	55.6	52.2
95°	91.0	96.5	102.4	97.6	92.6	87.8	82.9	78.0	73.2	68.3	63.5
97.5°	102.1	108.8	115.5	110.7	105.8	100.8	96.0	91.1	86.3	81.3	76.5
100°	174.1	189.4	205.2	191.4	177.6	163.8	149.9	136.0	122.2	108.4	94.4
102.5°	387.4	425.7	464.3	429.3	394.3	359.3	324.5	289.4	254.6	219.5	184.5
105°	694.5	752.6	811.1	757.5	704.1	650.8	597.4	544.0	490.6	437.1	383.9
107.5°	934.5	988.5	1043.3	995.0	946.6	898.4	849.9	801.5	753.1	704.8	656.6
110°	1054.4	1096.6	1140.0	1107.2	1074.7	1041.9	1009.5	976.7	944.3	912.0	879.5



TEST NUMBER: P1444415
 CATALOG NUMBER: EHBR1-54-UNV-TA-L840-UPL24

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	1055.5	1085.6	1117.0	1097.4	1078.2	1058.9	1039.8	1020.4	1001.4	982.2	963.3
115°	967.8	984.6	1003.0	994.9	987.1	979.0	971.2	963.4	955.5	947.7	940.3
117.5°	858.3	864.9	873.6	871.5	869.8	867.6	865.8	863.9	862.3	860.5	858.9
120°	743.5	742.9	744.7	744.9	745.3	745.4	746.0	746.3	746.8	747.3	747.9
122.5°	647.6	642.5	639.8	639.9	640.1	640.0	640.3	640.6	640.8	641.1	641.6
125°	580.2	572.9	568.4	566.3	564.2	562.0	559.9	557.7	555.9	553.9	552.1
127.5°	532.3	524.5	519.5	515.7	511.9	507.8	504.1	500.1	496.4	492.4	489.0
130°	500.1	492.2	487.6	482.9	478.5	473.5	469.1	464.3	459.6	455.1	450.4
132.5°	478.2	470.2	466.0	461.5	457.3	452.4	448.3	443.5	439.0	434.2	430.0
135°	465.2	457.8	454.2	449.8	446.1	441.7	437.6	433.3	429.3	424.9	421.2
137.5°	454.6	447.1	444.0	440.3	437.2	433.7	430.5	426.8	423.5	419.5	416.4
140°	446.2	438.4	435.0	432.9	430.9	428.5	426.4	424.1	422.0	419.6	417.3
142.5°	440.4	432.7	429.7	428.1	426.9	425.2	424.1	422.4	421.0	418.8	417.4
145°	434.5	426.0	422.8	422.1	421.9	421.3	420.8	420.1	419.6	418.8	418.3
147.5°	431.4	422.7	419.5	419.5	419.4	419.0	419.1	418.7	418.8	418.4	418.3
150°	427.5	417.7	414.0	414.3	414.3	414.6	414.9	414.9	415.4	415.5	415.7
152.5°	424.8	413.0	408.8	409.0	409.7	409.8	410.2	410.7	411.3	411.7	412.1
155°	423.1	410.3	405.7	405.5	405.6	405.8	405.9	406.2	406.5	406.8	407.3
157.5°	423.4	409.9	405.4	405.0	404.9	404.9	404.8	405.0	405.1	405.3	405.8
160°	424.7	411.2	406.7	406.2	406.2	405.9	405.8	405.7	405.9	406.0	406.4
162.5°	426.0	412.8	408.6	408.0	407.6	407.4	407.4	407.0	407.2	407.1	407.5
165°	427.7	416.0	412.1	411.7	411.7	411.5	411.4	411.4	411.5	411.6	411.9
167.5°	432.3	421.8	418.7	418.2	417.7	417.2	417.2	416.5	416.5	416.1	416.1
170°	433.9	425.6	423.0	422.7	422.9	422.7	422.5	422.5	422.5	422.3	422.5
172.5°	435.3	429.3	427.2	427.4	427.7	427.8	428.1	428.2	428.5	428.8	429.1
175°	436.6	433.0	432.1	432.0	432.1	432.3	432.4	432.6	432.7	432.9	433.3
177.5°	438.5	437.4	437.0	437.0	437.0	437.0	437.0	437.0	437.0	437.2	437.2
180°	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6



TEST NUMBER: P1444415
 CATALOG NUMBER: EHBR1-54-UNV-TA-L840-UPL24

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2
2.5°	47112.5	47167.4	47163.3	47214.6	47212.0	47260.3	47250.7	47292.3	47282.8	47318.6	47297.6
5°	48657.9	48762.4	48796.9	48891.1	48910.7	48995.1	48996.8	49063.8	49055.8	49108.2	49080.3
7.5°	50119.9	50217.3	50263.6	50336.9	50373.5	50434.1	50457.9	50507.7	50519.7	50549.2	50548.3
10°	50243.2	50242.9	50265.8	50255.5	50275.9	50264.1	50289.1	50280.1	50317.0	50307.4	50335.4
12.5°	48583.1	48418.4	48358.2	48210.2	48177.8	48050.9	48059.9	47978.5	48017.8	47967.8	48052.9
15°	45015.3	44633.1	44444.3	44112.1	44007.7	43745.1	43723.8	43549.3	43596.5	43505.2	43638.5
17.5°	39743.2	39141.4	38811.3	38326.0	38133.3	37761.8	37687.4	37462.9	37497.7	37384.6	37545.7
20°	33457.3	32730.1	32313.6	31752.5	31502.2	31059.3	30941.9	30690.7	30722.1	30609.5	30791.9
22.5°	27099.7	26338.6	25868.4	25280.2	24960.5	24544.0	24419.1	24166.8	24181.1	24075.4	24250.7
25°	21257.3	20527.6	20071.2	19537.0	19259.6	18877.7	18746.4	18519.8	18532.6	18445.4	18602.7
27.5°	16444.1	15845.3	15463.4	15015.6	14767.0	14453.1	14325.1	14134.5	14134.0	14070.0	14201.5
30°	12850.1	12350.6	12007.6	11617.6	11384.1	11100.8	10977.1	10806.7	10799.2	10753.8	10858.4
32.5°	10061.3	9617.0	9304.3	8961.0	8751.4	8508.3	8391.2	8254.2	8241.7	8200.6	8286.4
35°	7821.4	7447.1	7178.3	6889.4	6910.6	6551.9	6611.6	6333.0	6257.4	6241.0	6304.7
37.5°	6045.0	5755.2	5536.8	5320.4	5173.7	5022.2	4940.6	4867.3	4858.9	4851.9	4896.6
40°	4731.6	4528.8	4369.9	4221.5	4120.6	4028.0	3977.0	3936.8	3927.2	3921.9	3948.9
42.5°	3829.6	3692.6	3590.2	3499.6	3438.4	3388.1	3360.1	3337.7	3330.2	3330.4	3346.3
45°	3235.5	3152.4	3086.4	3030.1	2991.0	3008.1	2957.6	2984.1	2949.1	2985.3	2961.4
47.5°	2849.3	2778.6	2737.7	2697.9	2674.2	2655.1	2655.8	2656.1	2663.6	2664.8	2672.5
50°	2551.3	2510.4	2481.9	2456.5	2444.2	2434.2	2437.6	2440.3	2447.5	2448.0	2453.8
52.5°	2330.8	2303.8	2286.7	2271.0	2265.4	2259.8	2262.2	2261.1	2264.4	2262.7	2267.3
55°	2151.3	2138.6	2133.2	2127.4	2128.2	2126.7	2127.7	2121.9	2118.5	2114.2	2118.2
57.5°	2004.0	2002.3	2005.9	2008.3	2015.1	2017.5	2019.1	2012.5	2006.2	2000.5	2003.8
60°	1890.5	1893.3	1902.3	1909.5	1919.3	1923.8	1926.6	1922.8	1918.2	1913.6	1916.3
62.5°	1778.6	1782.9	1793.7	1801.8	1813.6	1819.6	1826.4	1826.8	1828.5	1826.8	1828.6
65°	1648.6	1654.1	1663.7	1670.5	1681.4	1686.7	1693.7	1694.9	1698.8	1697.8	1701.2
67.5°	1549.9	1554.8	1562.9	1569.3	1579.0	1584.5	1590.6	1591.0	1592.3	1592.0	1595.1
70°	1444.6	1447.0	1454.3	1459.6	1469.3	1475.1	1482.0	1484.0	1488.4	1489.1	1492.5
72.5°	1332.3	1331.3	1335.6	1338.0	1345.3	1349.8	1358.6	1363.5	1370.7	1372.6	1375.3
75°	1210.0	1209.0	1214.1	1216.2	1222.5	1226.9	1236.8	1243.3	1254.5	1259.2	1258.0
77.5°	1068.4	1070.9	1080.5	1085.9	1094.3	1100.0	1112.8	1123.0	1143.6	1152.7	1143.5
80°	910.1	912.6	922.7	927.8	938.7	945.6	960.0	972.0	990.4	994.5	989.2
82.5°	715.5	716.2	725.3	729.0	743.2	753.4	771.7	781.2	792.7	790.9	789.5
85°	487.9	494.4	505.7	517.0	534.3	550.9	568.1	582.3	572.2	588.0	570.4
87.5°	260.7	260.0	275.3	272.8	297.2	311.2	326.0	333.2	341.1	339.5	339.7
90°	55.6	52.6	53.3	49.8	51.8	48.0	51.1	47.7	51.7	47.2	54.5
92.5°	48.3	46.6	44.4	42.7	40.5	38.7	36.5	34.6	32.6	30.7	32.6
95°	58.6	56.8	55.0	53.0	51.2	49.3	47.5	45.7	43.9	42.1	44.4
97.5°	71.6	70.5	69.5	68.4	67.4	66.3	65.3	64.2	63.0	61.9	63.4
100°	80.6	80.6	80.6	80.6	80.3	80.3	80.3	80.3	80.3	80.3	81.5
102.5°	149.5	146.0	142.6	138.8	135.4	131.9	128.4	124.9	121.5	118.0	123.1
105°	330.5	316.9	303.2	289.5	275.7	262.0	248.4	234.7	221.1	207.5	221.6
107.5°	608.5	583.6	558.6	533.7	508.6	483.8	459.0	434.1	409.3	384.4	406.7
110°	847.1	820.6	794.0	767.6	741.1	714.5	688.1	661.8	635.4	609.0	630.2



TEST NUMBER: P1444415
 CATALOG NUMBER: EHBR1-54-UNV-TA-L840-UPL24

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	944.3	926.8	909.7	892.5	875.3	858.4	841.3	824.3	807.3	790.3	800.6
115°	932.4	924.1	915.9	907.6	899.4	891.0	882.9	874.8	866.8	858.8	859.4
117.5°	857.2	854.1	851.3	848.3	845.4	842.6	840.0	837.4	834.6	832.2	826.5
120°	748.7	749.1	749.4	750.2	750.8	751.8	752.3	753.4	754.4	755.5	747.8
122.5°	642.1	643.4	645.1	646.8	648.6	650.5	652.4	654.6	657.0	659.2	651.4
125°	550.1	551.5	552.9	554.5	555.9	558.1	559.9	562.2	564.2	566.8	560.2
127.5°	485.2	485.3	485.1	485.5	485.6	486.4	487.0	488.1	489.1	490.3	486.1
130°	445.9	444.5	443.0	441.8	440.5	439.8	439.2	438.5	438.0	437.9	436.3
132.5°	425.3	422.9	420.5	418.2	416.1	414.4	412.5	411.3	410.0	408.8	408.4
135°	416.6	413.6	410.6	407.6	404.8	402.7	400.2	398.4	396.3	394.7	395.3
137.5°	412.9	410.0	406.8	404.1	401.3	399.1	396.5	394.6	392.8	391.1	392.0
140°	415.1	412.1	409.0	406.3	403.8	401.5	399.2	397.3	395.1	393.9	394.3
142.5°	415.7	413.4	410.5	408.1	405.6	403.6	401.6	400.0	397.8	396.7	397.4
145°	417.5	415.7	413.6	411.7	410.0	408.5	406.6	405.6	404.4	403.7	404.1
147.5°	417.9	416.7	414.9	413.7	412.1	411.1	409.9	409.0	408.1	407.6	407.7
150°	415.8	415.0	413.9	413.1	412.2	411.6	410.8	410.4	409.8	409.5	409.6
152.5°	412.5	411.9	411.0	410.4	409.6	409.1	408.5	408.2	407.8	407.6	407.6
155°	407.6	407.3	407.0	406.8	406.5	406.7	406.4	406.7	406.5	406.7	406.9
157.5°	406.0	406.1	406.0	406.3	406.4	406.6	406.6	407.1	407.2	407.7	408.0
160°	406.8	406.9	406.8	407.0	407.0	407.1	407.3	407.5	407.7	407.9	408.5
162.5°	407.6	408.1	408.3	408.6	409.3	409.6	410.1	410.8	411.2	411.8	412.4
165°	412.2	412.3	412.3	412.3	412.7	412.9	413.0	413.6	413.8	414.4	415.0
167.5°	416.0	416.2	416.3	416.5	416.9	417.3	417.7	418.3	418.9	419.7	420.2
170°	422.2	422.2	422.2	422.2	422.2	422.6	422.7	422.9	423.1	423.6	424.0
172.5°	429.3	429.3	428.9	429.3	428.9	429.3	429.3	429.4	429.4	429.6	429.8
175°	433.2	433.6	433.8	434.1	434.1	434.2	434.4	434.5	434.7	435.0	435.0
177.5°	437.2	437.3	437.3	437.3	437.3	437.5	437.5	437.5	437.5	437.3	437.4
180°	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6



TEST NUMBER: P1444415
 CATALOG NUMBER: EHBR1-54-UNV-TA-L840-UPL24

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2
2.5°	47332.4	47308.7	47332.9	47308.3	47332.9	47303.4	47323.4	47291.5	47299.7	47266.6	47275.1
5°	49122.1	49084.3	49104.4	49055.4	49060.6	48995.1	48993.9	48917.6	48897.6	48810.8	48772.6
7.5°	50569.3	50557.0	50563.9	50532.3	50528.7	50484.0	50462.7	50399.7	50360.0	50280.1	50225.5
10°	50340.2	50377.2	50386.6	50424.3	50432.0	50469.3	50477.0	50514.3	50522.1	50549.7	50550.0
12.5°	48049.0	48174.2	48204.2	48358.9	48424.0	48601.1	48696.1	48891.1	49007.0	49201.6	49321.1
15°	43634.9	43851.6	43938.1	44240.2	44407.4	44760.1	44981.7	45386.8	45672.7	46102.8	46409.7
17.5°	37559.8	37862.7	37999.4	38409.1	38676.5	39197.0	39572.4	40190.0	40662.8	41349.2	41893.2
20°	30823.0	31159.6	31345.2	31812.7	32128.1	32736.4	33204.9	33963.8	34596.8	35466.5	36210.3
22.5°	24305.7	24626.1	24832.0	25307.5	25662.7	26297.2	26820.7	27621.9	28331.0	29311.0	30202.8
25°	18662.2	18955.7	19141.9	19572.1	19905.7	20488.7	20988.6	21759.1	22453.0	23435.9	24350.4
27.5°	14267.1	14512.9	14692.4	15059.1	15353.2	15847.8	16277.2	16914.0	17511.8	18362.3	19176.5
30°	10922.6	11140.6	11315.1	11634.7	11907.3	12335.9	12713.6	13248.5	13743.3	14420.0	15067.8
32.5°	8346.6	8534.3	8689.9	8969.5	9216.9	9603.0	9943.2	10412.0	10836.7	11410.6	11943.5
35°	6364.0	6733.3	6707.0	7092.7	7154.7	7431.8	7735.3	8145.2	8521.3	9009.4	9462.9
37.5°	4939.6	5043.3	5154.6	5325.0	5504.2	5756.2	6012.6	6513.5	6697.1	7066.0	7441.5
40°	3983.2	4053.4	4126.8	4242.0	4367.5	4545.0	4731.8	4970.7	5215.5	5514.6	5820.0
42.5°	3367.4	3407.2	3453.9	3521.7	3598.9	3711.5	3836.4	3998.5	4168.8	4379.3	4594.1
45°	3008.6	2989.8	3003.7	3040.0	3086.6	3155.0	3233.8	3334.2	3445.1	3581.4	3726.6
47.5°	2674.2	2681.7	2685.9	2705.6	2730.6	2776.5	2824.3	2892.4	3023.9	3063.9	3143.1
50°	2453.2	2456.9	2455.6	2465.7	2478.3	2508.2	2539.1	2585.3	2631.4	2692.3	2750.5
52.5°	2268.0	2273.2	2272.6	2279.1	2285.9	2304.8	2324.3	2356.9	2387.1	2425.8	2459.3
55°	2121.8	2128.9	2131.7	2137.3	2140.5	2150.4	2158.2	2173.8	2186.6	2208.6	2228.9
57.5°	2009.3	2019.1	2023.5	2025.5	2021.5	2020.9	2018.4	2021.6	2024.3	2036.1	2047.5
60°	1920.8	1928.6	1929.8	1928.6	1921.3	1916.2	1907.8	1905.2	1903.9	1909.5	1915.8
62.5°	1828.1	1830.9	1829.0	1826.8	1818.4	1813.4	1804.8	1801.7	1798.6	1802.7	1806.0
65°	1700.0	1702.4	1700.0	1698.6	1691.1	1687.1	1679.9	1677.4	1673.2	1674.3	1673.6
67.5°	1595.8	1598.3	1596.3	1594.4	1589.3	1586.8	1581.4	1578.0	1572.9	1571.0	1567.6
70°	1492.0	1493.9	1491.0	1489.1	1483.2	1480.9	1476.0	1474.9	1470.9	1470.0	1466.1
72.5°	1372.6	1372.8	1368.7	1367.5	1363.2	1363.0	1360.8	1362.8	1362.7	1364.7	1363.9
75°	1250.6	1248.8	1243.6	1242.7	1239.5	1241.0	1238.7	1241.7	1242.1	1246.5	1247.0
77.5°	1128.2	1121.8	1111.9	1107.3	1100.6	1099.8	1096.0	1098.6	1097.7	1102.9	1105.0
80°	973.7	965.9	953.2	947.1	939.4	938.2	934.6	938.2	936.5	942.5	946.8
82.5°	777.3	770.6	757.5	752.6	743.6	744.4	740.6	744.4	743.9	752.9	758.2
85°	575.0	570.5	557.0	545.1	531.7	523.9	516.3	514.9	512.7	516.3	519.4
87.5°	332.2	327.9	317.4	310.5	287.1	288.1	278.9	278.4	276.2	274.0	278.9
90°	52.7	58.7	57.2	62.8	62.1	68.4	68.1	74.2	73.1	78.8	78.7
92.5°	34.6	36.5	38.5	40.5	42.5	44.4	46.4	48.3	52.6	56.4	61.0
95°	46.6	48.9	51.2	53.5	55.7	58.0	60.2	62.6	68.8	75.0	81.2
97.5°	65.1	66.4	67.9	69.4	70.9	72.4	74.0	75.5	82.3	89.0	95.7
100°	82.7	83.9	85.2	86.4	87.6	88.8	90.0	91.2	104.4	117.2	130.2
102.5°	128.2	133.4	138.5	143.7	149.0	154.2	159.3	164.5	194.2	223.8	253.4
105°	235.6	249.7	264.1	278.1	292.2	306.3	320.5	334.6	382.1	429.3	477.0
107.5°	429.0	451.2	473.5	496.0	518.3	540.7	563.0	585.4	631.6	678.0	724.3
110°	651.5	672.9	694.1	715.6	736.8	758.2	779.6	801.1	829.0	856.7	884.7



TEST NUMBER: P1444415
 CATALOG NUMBER: EHBR1-54-UNV-TA-L840-UPL24

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	811.0	821.3	831.8	842.4	852.8	863.5	874.0	884.6	898.7	912.7	927.0
115°	860.2	860.8	861.7	862.5	863.4	864.2	865.5	866.4	871.3	875.8	880.7
117.5°	820.8	815.3	809.8	804.2	798.8	793.7	788.5	783.4	782.9	782.4	782.3
120°	740.6	732.9	725.7	718.1	711.0	703.9	697.0	690.2	686.9	683.7	680.7
122.5°	644.1	636.7	629.5	622.3	615.3	608.4	601.8	595.0	593.0	591.2	589.3
125°	554.1	548.1	542.1	536.3	530.8	525.3	520.0	514.7	515.3	515.8	516.7
127.5°	482.7	479.1	475.7	472.4	469.6	466.5	463.8	460.9	463.5	466.1	468.7
130°	434.9	433.6	432.7	431.3	430.9	430.1	429.6	429.0	433.1	436.5	440.5
132.5°	408.7	408.8	409.3	409.7	410.5	411.3	412.4	413.2	417.4	421.6	425.8
135°	396.0	396.8	398.3	399.4	401.2	402.5	404.4	405.9	410.3	414.0	418.3
137.5°	393.2	394.3	395.9	397.3	399.4	401.0	403.2	405.0	408.4	411.8	415.2
140°	395.5	396.3	397.8	399.2	400.7	402.2	404.3	405.8	408.8	411.5	414.1
142.5°	398.6	399.3	400.6	401.9	403.4	404.8	406.5	407.8	410.2	412.1	414.7
145°	404.9	405.6	406.7	407.6	408.8	410.1	411.4	412.6	414.2	415.6	417.2
147.5°	408.4	408.9	409.9	410.8	411.8	412.7	413.5	414.4	415.8	416.7	418.0
150°	410.1	410.5	411.0	411.4	412.2	413.0	413.8	414.4	415.4	416.3	417.4
152.5°	408.3	408.5	409.0	409.5	410.2	410.8	411.3	412.0	413.0	413.7	414.7
155°	407.4	408.1	408.8	409.4	410.3	410.6	411.5	412.0	412.9	413.5	414.4
157.5°	408.7	409.0	410.0	410.4	411.2	411.7	412.4	412.9	413.8	414.3	415.0
160°	409.3	410.2	410.8	411.7	412.5	413.2	414.0	414.9	415.6	416.1	416.8
162.5°	413.0	413.7	414.4	414.9	415.6	416.3	416.8	417.5	418.6	419.0	420.1
165°	415.9	416.5	417.5	418.0	419.0	419.8	420.6	421.4	421.9	422.6	423.1
167.5°	421.1	421.6	422.6	423.3	424.1	424.8	425.6	426.3	427.0	427.3	428.0
170°	424.6	425.3	425.9	426.6	427.2	427.8	428.6	429.1	429.9	430.4	431.2
172.5°	430.2	430.8	431.2	431.7	432.1	432.9	433.3	433.7	434.3	434.8	435.3
175°	435.0	435.0	435.2	435.4	435.5	435.5	435.7	436.0	436.2	436.4	436.6
177.5°	437.6	437.7	437.9	438.0	438.2	438.3	438.5	438.6	438.6	438.6	438.6
180°	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6



TEST NUMBER: P1444415
 CATALOG NUMBER: EHBR1-54-UNV-TA-L840-UPL24

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2
2.5°	47242.0	47244.0	47206.0	47203.8	47168.1	47163.7	47128.9	47118.3	47090.0	47079.8	47051.1
5°	48675.3	48628.9	48521.6	48458.5	48352.5	48282.4	48167.6	48092.8	47982.1	47898.5	47787.1
7.5°	50124.9	50052.8	49932.4	49834.8	49687.7	49570.3	49398.2	49257.3	49070.8	48909.5	48713.7
10°	50550.0	50538.9	50508.2	50463.5	50395.1	50318.2	50201.1	50079.0	49915.5	49738.2	49520.5
12.5°	49504.0	49616.9	49770.9	49862.3	49973.2	50022.0	50067.5	50056.1	50026.1	49936.3	49810.6
15°	46854.0	47171.5	47591.8	47917.5	48292.3	48564.6	48865.4	49052.7	49239.7	49326.0	49378.8
17.5°	42638.7	43239.7	43993.3	44617.9	45338.5	45917.3	46551.7	47029.4	47520.6	47872.4	48190.6
20°	37224.1	38094.9	39160.7	40102.3	41197.3	42148.8	43191.4	44047.4	44930.1	45620.3	46273.6
22.5°	31351.0	32385.2	33673.9	34867.5	36279.0	37547.5	38978.8	40224.5	41525.1	42611.7	43662.3
25°	25575.9	26710.0	28119.1	29450.9	31049.5	32525.0	34222.4	35774.9	37455.9	38915.4	40357.2
27.5°	20302.4	21415.8	22854.4	24272.1	25962.5	27534.7	29353.3	31063.8	32977.9	34743.0	36548.6
30°	15968.0	16912.4	18202.3	19575.4	21242.6	22842.5	24680.9	26440.1	28431.3	30358.5	32392.3
32.5°	12650.9	13370.5	14384.5	15545.6	17083.9	18607.0	20357.5	22055.6	24016.5	25963.3	28078.6
35°	10047.1	10608.3	11381.5	12287.6	13590.3	14903.2	16451.5	17995.9	19825.2	21672.6	23728.6
37.5°	7922.8	8378.0	8983.5	9664.3	10709.1	11786.5	13056.2	14336.5	15926.1	17563.7	19427.0
40°	6186.8	6555.5	7026.9	7534.5	8323.4	9153.6	10135.5	11128.4	12405.5	13743.8	15285.9
42.5°	4860.2	5132.2	5465.1	5836.2	6572.2	7013.1	7678.8	8396.9	9335.8	10307.3	11466.8
45°	3903.1	4088.7	4319.6	4568.4	4910.1	5283.9	5740.0	6218.2	7110.0	7547.5	8252.6
47.5°	3259.6	3384.1	3531.0	3687.8	3889.3	4106.7	4377.1	4653.7	5011.3	5381.9	5816.4
50°	2826.1	2952.7	3003.1	3084.4	3201.0	3325.2	3477.6	3630.1	3821.9	4016.3	4239.9
52.5°	2504.3	2545.6	2600.5	2652.2	2724.4	2865.8	2911.5	2991.2	3098.7	3203.9	3321.4
55°	2258.6	2285.5	2321.2	2352.4	2396.1	2437.8	2498.1	2551.2	2622.8	2686.3	2764.3
57.5°	2067.4	2084.6	2109.3	2129.8	2158.0	2181.6	2216.9	2245.6	2286.9	2322.8	2370.0
60°	1928.5	1939.9	1956.6	1969.9	1987.8	2000.1	2017.7	2031.2	2053.0	2071.2	2097.5
62.5°	1815.0	1820.8	1831.7	1839.6	1851.0	1857.3	1866.6	1872.5	1884.4	1893.6	1908.3
65°	1678.8	1680.2	1687.5	1690.8	1699.8	1703.1	1710.7	1713.5	1723.4	1730.0	1743.0
67.5°	1567.2	1564.2	1564.3	1561.7	1562.9	1560.3	1561.0	1558.2	1562.2	1564.3	1574.1
70°	1465.4	1461.0	1459.6	1455.0	1453.6	1448.7	1447.3	1443.0	1442.5	1441.1	1444.6
72.5°	1366.1	1364.9	1365.2	1361.9	1361.5	1358.3	1358.4	1356.4	1358.6	1359.6	1364.2
75°	1251.9	1252.3	1254.5	1251.6	1252.5	1249.6	1250.7	1248.1	1249.4	1248.9	1253.5
77.5°	1112.9	1116.3	1122.3	1121.1	1123.0	1119.9	1121.3	1117.7	1118.7	1116.3	1118.0
80°	956.7	963.6	971.8	971.5	974.9	972.7	975.7	972.3	973.7	969.5	968.4
82.5°	771.2	777.0	785.7	786.0	793.7	795.1	803.6	803.2	808.5	805.1	802.7
85°	527.2	531.1	538.8	542.9	550.8	555.7	563.7	567.1	561.2	571.9	563.4
87.5°	275.3	285.5	279.8	293.1	290.0	303.5	300.6	313.1	310.7	321.4	320.0
90°	86.4	87.0	94.9	96.2	105.8	108.1	113.8	111.1	116.6	114.2	119.7
92.5°	64.9	69.6	73.9	78.1	82.3	86.8	82.6	78.7	74.8	71.0	66.9
95°	87.4	93.6	99.8	106.0	112.2	118.5	111.8	105.3	98.7	92.0	85.3
97.5°	102.3	109.1	115.7	122.4	129.2	135.8	127.9	120.1	112.2	104.5	96.6
100°	143.1	156.1	169.0	181.9	194.9	207.9	193.2	178.6	164.1	149.3	134.7
102.5°	283.2	312.7	342.5	372.2	401.8	431.4	400.5	369.5	338.3	307.3	276.1
105°	524.4	571.9	619.3	666.7	714.2	762.0	711.5	661.2	610.6	560.5	509.8
107.5°	770.8	816.9	863.6	909.7	956.2	1002.7	951.7	900.5	849.7	798.5	747.4
110°	912.8	940.7	968.7	996.9	1024.8	1053.1	1015.9	978.7	941.6	904.3	867.0



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CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	941.1	955.5	969.5	984.1	998.3	1012.5	986.2	959.8	933.2	907.0	880.3
115°	885.6	890.4	895.3	900.3	905.1	910.0	892.4	874.7	857.1	839.5	821.4
117.5°	781.9	781.9	781.4	781.6	781.1	780.9	771.2	761.7	751.9	742.2	732.4
120°	677.5	674.4	671.4	668.4	665.1	661.9	658.3	654.6	650.6	646.8	642.7
122.5°	587.3	585.7	583.8	581.9	579.9	577.9	576.7	575.8	574.6	573.5	572.1
125°	517.4	518.0	518.7	519.4	519.9	520.5	520.1	520.0	519.6	519.5	519.0
127.5°	471.0	473.6	475.9	478.4	480.5	483.0	483.2	483.9	484.1	484.6	484.8
130°	444.1	448.1	451.6	455.1	458.4	462.3	462.2	462.6	462.7	462.9	463.0
132.5°	430.0	434.1	438.1	442.3	446.2	450.1	450.1	450.4	450.1	450.5	450.5
135°	422.2	426.2	429.8	434.1	437.5	441.3	441.1	441.1	440.8	441.0	440.8
137.5°	418.2	421.8	424.8	428.0	430.8	434.1	433.8	433.8	433.5	433.6	433.4
140°	416.7	419.4	422.0	424.6	427.1	429.6	429.1	428.8	428.3	428.0	427.4
142.5°	416.6	418.7	420.6	422.9	424.6	426.7	425.6	424.8	424.1	423.3	422.3
145°	418.7	420.3	421.8	423.2	424.2	425.8	424.5	423.6	422.1	421.3	419.9
147.5°	418.9	420.2	420.9	422.1	422.5	423.8	422.5	421.4	420.2	418.9	417.6
150°	418.1	419.2	420.0	420.8	421.6	422.5	421.1	419.7	418.2	416.9	415.6
152.5°	415.5	416.3	417.1	417.7	418.4	419.0	417.6	416.6	415.1	413.6	412.3
155°	414.7	415.6	415.9	416.6	416.8	417.3	415.9	415.1	413.9	412.8	411.4
157.5°	415.5	416.2	416.7	417.0	417.4	417.9	417.0	416.3	415.2	414.6	413.5
160°	417.3	417.8	418.3	418.7	419.2	419.4	418.6	418.3	417.5	416.6	415.7
162.5°	420.6	421.5	421.9	422.5	423.1	423.6	422.7	422.1	421.1	420.2	419.1
165°	423.7	424.2	424.7	425.2	425.4	425.9	425.4	424.9	424.2	423.8	423.1
167.5°	428.4	429.1	429.4	429.9	430.1	430.4	429.8	429.6	428.8	428.3	427.5
170°	431.7	432.1	432.9	433.3	433.7	433.9	433.7	433.3	432.7	432.2	431.5
172.5°	435.8	436.3	436.5	436.9	437.1	437.5	437.1	436.5	436.1	435.5	434.9
175°	436.6	436.7	437.1	437.1	437.1	437.3	436.9	436.4	436.0	435.5	435.1
177.5°	438.6	438.6	438.6	438.5	438.5	438.5	438.2	437.9	437.6	437.3	436.8
180°	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6



TEST NUMBER: P1444415
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CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2	46747.2
2.5°	47040.8	47020.4	47007.2	46990.4	46980.1	46967.2	46957.6	46949.5	46942.9	46936.9	46932.3
5°	47702.3	47597.2	47515.5	47427.1	47354.6	47282.1	47226.3	47180.1	47148.2	47124.3	47110.1
7.5°	48544.5	48352.0	48180.9	48000.7	47839.1	47680.3	47543.4	47425.4	47336.9	47279.5	47244.7
10°	49296.5	49038.9	48784.0	48515.8	48261.6	48014.9	47787.1	47586.9	47428.3	47323.0	47261.6
12.5°	49633.7	49414.2	49153.9	48862.7	48551.1	48235.7	47928.4	47651.1	47418.5	47262.4	47172.4
15°	49336.8	49246.7	49070.1	48844.0	48548.2	48222.2	47861.3	47522.1	47210.1	47007.7	46890.4
17.5°	48370.9	48496.7	48483.2	48396.7	48184.1	47909.6	47541.9	47160.9	46770.6	46500.1	46352.4
20°	46740.9	47136.2	47336.9	47439.9	47356.3	47178.4	46845.3	46458.7	46003.7	45650.7	45435.2
22.5°	44450.4	45148.4	45583.4	45901.7	45969.2	45908.6	45614.7	45246.8	44739.7	44315.3	43996.9
25°	41501.7	42524.3	43211.8	43750.7	43960.1	44014.1	43764.0	43398.2	42833.0	42338.4	41901.3
27.5°	38028.5	39357.4	40275.2	40999.4	41326.3	41468.1	41237.8	40864.6	40195.8	39605.6	39034.6
30°	34118.4	35695.0	36800.1	37668.5	38066.9	38254.2	38009.6	37593.1	36814.9	36104.5	35385.2
32.5°	29933.4	31658.6	32862.8	33805.8	34200.7	34376.9	34056.9	33589.1	32689.6	31852.8	31013.9
35°	25551.7	27293.0	28507.5	29425.4	29756.3	29862.5	29453.3	28912.6	27916.0	26997.6	26082.9
37.5°	21080.7	22700.9	23804.6	24628.5	24833.2	24851.6	24358.5	23761.3	22713.8	21808.2	20897.7
40°	16648.5	18014.8	18905.9	19565.3	19636.4	19573.0	19036.9	18435.9	17456.0	16644.7	15845.3
42.5°	12473.6	13504.9	14140.7	14592.6	14565.7	14440.4	13948.9	13432.3	12623.9	12005.9	11376.9
45°	8896.8	9576.7	9948.5	10213.0	10128.0	10008.7	9626.2	9264.0	8714.6	8315.5	7892.8
47.5°	6180.7	6992.8	6851.4	7368.3	6923.0	7217.1	6604.5	6266.8	5975.2	5763.2	5524.3
50°	4424.9	4610.9	4700.8	4762.2	4729.6	4684.4	4574.3	4475.9	4342.7	4245.7	4132.6
52.5°	3417.2	3510.2	3561.2	3598.1	3590.8	3574.4	3526.4	3482.5	3420.1	3379.0	3329.5
55°	2894.5	2895.9	2989.6	2949.4	3008.8	2939.2	2966.6	2889.5	2902.0	2835.8	2791.2
57.5°	2405.3	2443.4	2460.5	2477.1	2472.5	2469.5	2451.0	2441.6	2420.7	2414.2	2399.3
60°	2115.8	2135.6	2139.8	2147.5	2141.0	2138.6	2124.0	2118.9	2104.8	2102.3	2092.4
62.5°	1917.2	1927.4	1927.4	1927.4	1919.1	1911.1	1895.0	1886.5	1874.6	1872.0	1866.2
65°	1751.5	1762.1	1763.8	1766.2	1760.1	1753.8	1739.6	1730.4	1718.1	1713.5	1706.8
67.5°	1580.6	1591.8	1595.6	1601.4	1597.9	1596.6	1587.0	1583.3	1575.1	1573.3	1567.2
70°	1446.3	1450.9	1450.6	1450.4	1442.9	1436.1	1424.8	1419.5	1411.0	1409.3	1403.7
72.5°	1366.4	1369.7	1367.6	1364.7	1354.8	1344.8	1331.6	1321.9	1310.8	1303.9	1296.1
75°	1254.0	1258.3	1255.5	1253.7	1244.8	1238.2	1227.7	1222.3	1214.5	1212.2	1206.9
77.5°	1116.0	1118.0	1113.4	1112.9	1106.2	1102.0	1094.1	1092.6	1087.0	1087.2	1082.0
80°	962.3	961.0	953.7	952.4	945.6	943.9	937.7	938.0	933.4	935.3	931.7
82.5°	791.8	787.4	777.9	775.1	767.3	766.6	762.5	765.9	763.2	767.3	764.9
85°	567.4	568.6	564.4	564.4	562.2	562.9	562.5	565.1	565.4	569.3	569.2
87.5°	316.3	320.9	320.0	324.2	324.0	328.6	330.2	337.1	338.0	344.4	344.4
90°	117.2	123.5	120.9	127.2	126.3	133.5	133.8	141.0	140.5	146.5	144.6
92.5°	63.0	59.0	55.3	51.2	49.1	46.8	45.5	42.9	41.3	38.9	36.9
95°	78.6	71.9	65.3	58.6	56.3	53.9	51.6	49.3	47.0	44.8	42.5
97.5°	88.7	80.8	73.0	65.1	63.1	61.1	58.9	57.0	55.0	53.1	51.1
100°	120.0	105.2	90.8	75.9	74.2	72.5	70.8	69.2	67.5	65.7	64.0
102.5°	245.1	213.9	182.6	151.5	145.5	139.6	133.7	127.5	121.7	115.7	109.8
105°	459.5	408.8	358.4	307.7	291.7	275.7	259.5	243.4	227.3	211.3	195.1
107.5°	696.1	644.8	593.6	542.2	512.8	483.0	453.3	423.4	393.9	363.9	334.3
110°	829.8	792.5	754.9	717.4	693.9	670.0	646.0	622.0	598.2	574.2	550.2



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CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	853.7	827.1	800.4	773.5	762.9	752.0	741.4	730.5	719.7	708.6	697.9
115°	803.6	785.8	767.8	749.7	746.3	742.4	738.9	735.0	731.3	727.4	723.5
117.5°	722.7	712.8	702.9	692.9	693.6	694.5	695.4	696.1	696.6	697.1	697.7
120°	638.8	634.8	631.0	626.8	630.5	633.9	637.6	640.8	644.2	647.3	650.5
122.5°	571.0	569.6	568.5	566.9	571.4	575.7	579.9	584.0	588.0	591.7	595.4
125°	518.9	518.4	518.1	517.4	522.1	526.4	530.7	534.7	538.9	542.5	546.4
127.5°	485.3	485.6	486.1	486.1	489.8	492.7	496.0	498.7	502.0	504.4	507.0
130°	463.2	463.1	463.5	463.4	466.6	469.6	472.7	475.2	478.2	480.3	482.5
132.5°	450.6	450.5	450.6	450.5	453.1	455.3	457.8	459.4	461.5	462.8	464.4
135°	440.9	440.5	440.6	440.2	442.6	444.9	447.0	448.7	450.6	451.8	453.2
137.5°	433.3	433.1	432.9	432.6	434.8	436.8	438.6	440.2	441.8	443.3	444.3
140°	427.3	426.6	426.5	425.8	427.8	429.5	431.3	432.8	434.4	435.3	436.4
142.5°	421.5	420.3	419.9	418.7	420.2	421.6	422.9	424.0	425.2	426.0	426.6
145°	418.8	417.3	416.5	415.2	416.3	417.3	418.4	419.4	420.0	420.5	421.2
147.5°	416.6	415.2	413.9	412.6	413.8	414.4	415.1	415.5	416.4	416.7	417.0
150°	414.2	412.6	411.1	409.6	410.3	410.8	411.2	411.9	412.3	412.5	412.8
152.5°	410.8	409.4	407.8	406.2	406.6	406.9	407.2	407.4	407.7	407.8	407.9
155°	410.3	408.8	407.5	405.9	406.4	406.5	406.6	406.7	406.7	406.7	406.6
157.5°	412.5	411.0	410.4	408.8	408.8	408.8	408.8	408.2	408.2	407.8	407.5
160°	415.0	413.9	413.0	412.0	411.7	411.6	411.5	411.0	410.8	410.3	409.9
162.5°	418.1	417.0	415.8	414.6	414.4	414.3	414.2	413.6	413.5	412.9	412.6
165°	422.4	421.6	420.8	419.6	419.4	419.1	418.9	418.2	417.9	417.2	416.7
167.5°	426.8	426.0	425.1	424.0	424.0	423.9	423.8	423.4	423.2	422.6	422.5
170°	430.9	430.2	429.6	428.8	428.4	428.3	427.9	427.6	427.1	426.7	426.2
172.5°	434.1	433.5	432.7	431.8	431.8	431.5	431.2	431.0	430.5	430.2	430.0
175°	434.4	434.0	433.1	432.7	432.6	432.4	432.2	432.0	431.7	431.4	431.1
177.5°	436.5	436.2	435.5	435.2	435.1	435.1	434.9	434.7	434.7	434.6	434.4
180°	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6	436.6



TEST NUMBER: P1444415
CATALOG NUMBER: EHBR1-54-UNV-TA-L840-UPL24

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	46747.2	46747.2
2.5°	46928.2	46925.8
5°	47102.6	47099.9
7.5°	47235.4	47234.5
10°	47251.0	47259.1
12.5°	47156.7	47163.3
15°	46881.5	46894.3
17.5°	46355.1	46371.9
20°	45448.3	45465.8
22.5°	43979.8	43987.2
25°	41844.8	41814.6
27.5°	38934.3	38882.1
30°	35234.2	35183.7
32.5°	30822.6	30791.1
35°	25856.7	25836.9
37.5°	20628.6	20588.0
40°	15553.0	15434.9
42.5°	11101.4	10894.0
45°	7672.0	7426.2
47.5°	5355.9	5203.9
50°	4059.6	4010.6
52.5°	3307.9	3296.4
55°	2791.1	2786.1
57.5°	2402.6	2400.9
60°	2097.5	2097.0
62.5°	1870.1	1870.9
65°	1709.9	1710.2
67.5°	1568.8	1567.8
70°	1405.7	1404.5
72.5°	1293.5	1291.6
75°	1206.9	1205.7
77.5°	1083.5	1081.6
80°	934.1	931.7
82.5°	768.4	765.6
85°	573.1	573.3
87.5°	350.6	350.5
90°	150.3	147.5
92.5°	35.4	33.7
95°	40.3	37.9
97.5°	49.1	47.1
100°	62.4	60.6
102.5°	103.9	98.0
105°	179.1	163.1
107.5°	304.5	274.9
110°	526.3	502.4



TEST NUMBER: P1444415
CATALOG NUMBER: EHBR1-54-UNV-TA-L840-UPL24

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	686.8	675.9
115°	719.2	715.3
117.5°	698.0	698.3
120°	653.1	656.2
122.5°	598.7	602.2
125°	549.7	553.1
127.5°	509.1	511.2
130°	483.9	485.9
132.5°	465.4	466.3
135°	453.9	454.8
137.5°	444.9	445.5
140°	436.7	437.3
142.5°	427.0	427.3
145°	421.4	421.6
147.5°	416.6	416.7
150°	412.6	412.5
152.5°	407.5	407.5
155°	406.2	406.0
157.5°	406.8	406.4
160°	409.1	408.7
162.5°	411.8	411.5
165°	415.8	415.1
167.5°	421.7	421.6
170°	425.7	425.4
172.5°	429.5	429.1
175°	430.9	430.7
177.5°	434.4	434.0
180°	436.6	436.6



TEST NUMBER: P1444415
 CATALOG NUMBER: EHBR1-54-UNV-TA-L840-UPL24

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	18.35	19.45	18.81	19.87	20.32	16.73	17.83	17.19	18.25	18.69
	3H	19.90	20.88	20.37	21.32	21.81	19.16	20.14	19.63	20.58	21.07
	4H	20.70	21.61	21.19	22.07	22.57	20.28	21.19	20.77	21.65	22.15
	6H	21.47	22.31	21.97	22.78	23.30	21.32	22.16	21.83	22.63	23.15
	8H	21.78	22.58	22.30	23.07	23.59	21.76	22.56	22.28	23.05	23.57
	12H	22.03	22.79	22.55	23.27	23.82	22.12	22.87	22.64	23.36	23.91
4H	2H	18.73	19.65	19.23	20.10	20.61	17.44	18.36	17.94	18.81	19.32
	3H	20.61	21.36	21.11	21.87	22.39	20.07	20.83	20.57	21.33	21.85
	4H	21.61	22.29	22.13	22.80	23.37	21.33	22.01	21.85	22.52	23.08
	6H	22.57	23.15	23.12	23.69	24.28	22.51	23.10	23.06	23.64	24.22
	8H	22.95	23.50	23.51	24.04	24.63	23.01	23.56	23.56	24.09	24.68
	12H	23.26	23.75	23.84	24.32	24.91	23.42	23.91	23.99	24.48	25.07
8H	4H	21.99	22.53	22.54	23.07	23.66	21.74	22.29	22.30	22.83	23.42
	6H	23.14	23.59	23.73	24.18	24.77	23.09	23.54	23.68	24.12	24.72
	8H	23.65	24.05	24.26	24.65	25.26	23.69	24.09	24.30	24.69	25.30
	12H	24.08	24.43	24.68	25.01	25.70	24.22	24.57	24.82	25.15	25.83
12H	4H	22.03	22.52	22.61	23.09	23.68	21.80	22.28	22.37	22.85	23.44
	6H	23.25	23.65	23.86	24.25	24.86	23.20	23.60	23.81	24.20	24.81
	8H	23.84	24.19	24.44	24.77	25.46	23.88	24.22	24.48	24.81	25.49

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



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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-1

Test Date: 07/30/2025

Luminaire Tested: EHBR-60-L840-N

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

Test Information

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

Spectral Parameters

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

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



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

REPORT NUMBER: SP1-2506-472-1

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

REPORT NUMBER: SP1-2506-472-1

CIE 1931 Chromaticity Diagram



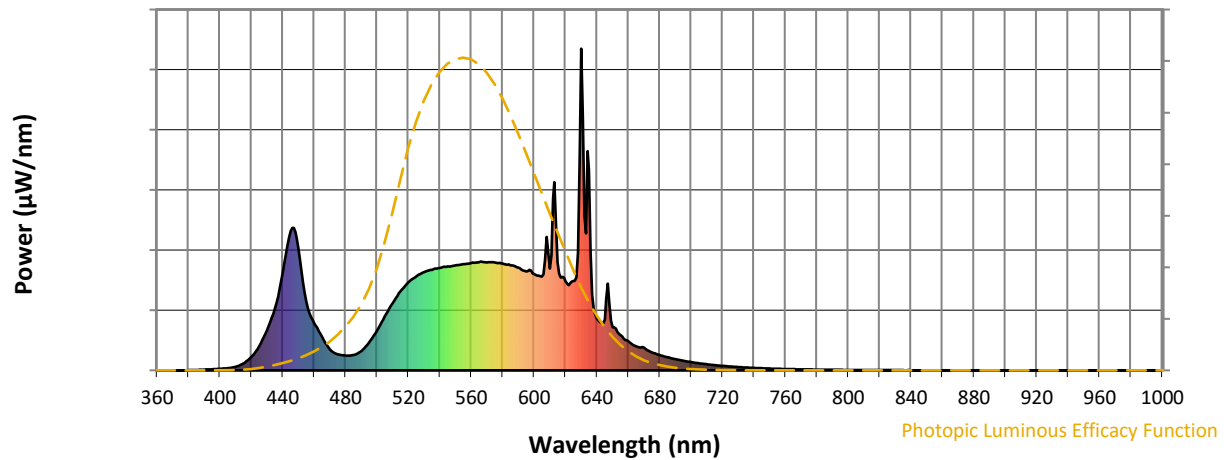
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-1

Photopic Flux vs. Wavelength



Photopic Lumens: NR

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

REPORT NUMBER: SP1-2506-472-1

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.55

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

REPORT NUMBER: SP1-2506-472-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.99

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

Summary

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



Color Vector Graphics



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

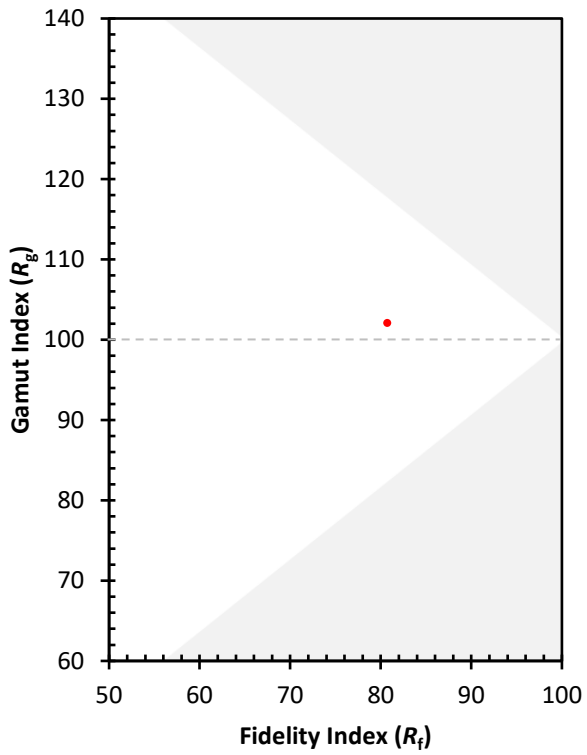
CES01 = 85	CES26 = 69	CES51 = 90	CES76 = 58
CES02 = 61	CES27 = 89	CES52 = 90	CES77 = 76
CES03 = 31	CES28 = 83	CES53 = 80	CES78 = 60
CES04 = 69	CES29 = 66	CES54 = 91	CES79 = 85
CES05 = 48	CES30 = 76	CES55 = 89	CES80 = 79
CES06 = 50	CES31 = 69	CES56 = 79	CES81 = 81
CES07 = 41	CES32 = 62	CES57 = 77	CES82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



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)