

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: CORELITE

Report Number: P935824

Luminaire Tested: SQ4-FA-150U-050D-927-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935824
REPORT IS A COMBINATION OF REPORTS P933772 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-050D-927-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

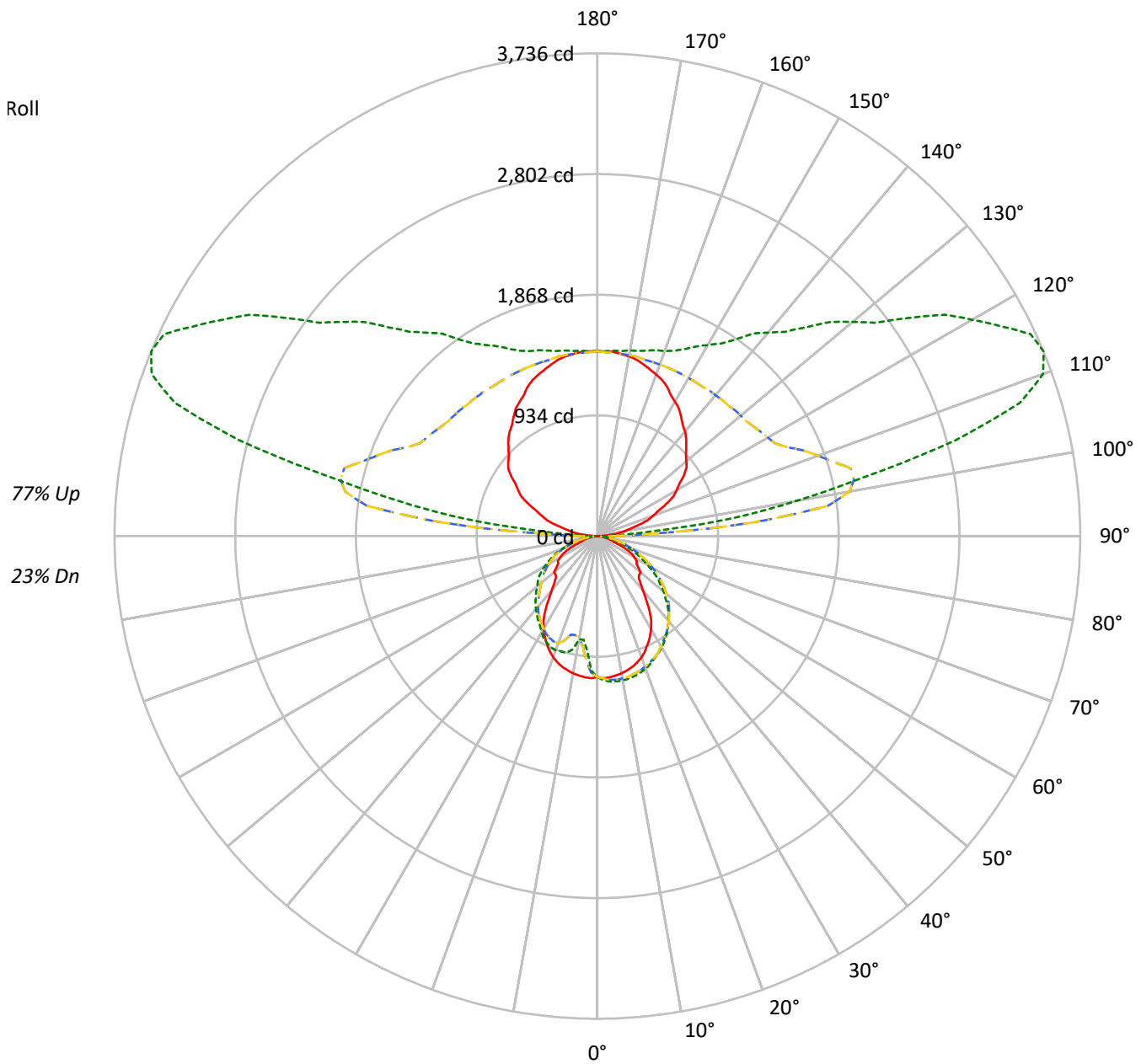
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12113.6 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 111.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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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	0
RCR																		
0	101	101	101	101	90	90	90	90	69	69	69	49	49	49	32	32	32	23
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	27	20
2	84	77	71	66	74	68	63	59	52	49	46	38	36	34	25	24	23	17
3	76	67	60	55	67	60	54	49	46	42	39	34	31	29	22	20	19	14
4	70	59	52	46	62	53	47	42	41	37	33	30	27	25	19	18	16	12
5	64	53	45	39	56	47	40	36	36	32	28	27	24	21	17	16	14	10
6	59	47	39	34	52	42	35	31	33	28	24	24	21	18	16	14	12	9
7	54	42	35	29	48	38	31	27	30	25	21	22	19	16	14	12	11	8
8	50	38	31	26	44	34	28	23	27	22	19	20	17	14	13	11	10	7
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	6
10	43	32	25	20	38	28	22	18	22	18	15	17	14	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5065	5065	5065	5065
5°	5103	5113	5103	4020
10°	5068	5037	5068	3600
15°	5014	4927	5014	4114
20°	4909	4798	4909	4123
25°	4694	4609	4694	4036
30°	4417	4453	4417	3844
35°	3937	4255	3937	3633
40°	3281	4022	3281	3474
45°	2932	3749	2932	3290
50°	3114	3424	3114	3107
55°	2930	3073	2930	3000
60°	3021	2610	3021	2748
65°	2738	2158	2738	2412
70°	1896	1720	1896	2021
75°	1663	1271	1663	1522
80°	1340	840	1340	915
85°	773	445	773	378

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 4493 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.5	0.8
10°-20°	279.8	2.3
20°-30°	432.5	3.6
30°-40°	516.3	4.3
40°-50°	519.3	4.3
50°-60°	451.9	3.7
60°-70°	320.4	2.6
70°-80°	169.5	1.4
80°-90°	47.7	0.4
90°-100°	697.6	5.8
100°-110°	1834.1	15.1
110°-120°	1901.7	15.7
120°-130°	1525.4	12.6
130°-140°	1196.9	9.9
140°-150°	918.7	7.6
150°-160°	661.6	5.5
160°-170°	404.8	3.3
170°-180°	136.8	1.1
0°-30°	810.8	6.7
0°-40°	1327.2	11.0
0°-60°	2298.4	19.0
0°-90°	2836.0	23.4
90°-120°	4433.5	36.6
90°-150°	8074.5	66.7
90°-180°	9278.0	76.6
0°-180°	12113.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1092	1092	1092	1092	1092	
5°	1097	1131	1097	889	1097	104
15°	1047	1121	1047	936	1047	295
25°	922	1045	922	915	922	423
35°	701	933	701	796	701	434
45°	452	768	452	674	452	362
55°	369	567	369	554	369	339
65°	256	342	256	382	256	245
75°	97	162	97	194	97	102
85°	17	41	17	35	17	22
90°	10	36	10	36	10	9
95°	92	422	92	422	92	102
105°	330	2872	330	2872	330	350
115°	587	3698	587	3698	587	580
125°	816	2945	816	2945	816	725
135°	973	2285	973	2285	973	753
145°	1129	1854	1129	1854	1129	707
155°	1276	1596	1276	1596	1276	586
165°	1376	1487	1376	1487	1376	388
175°	1431	1441	1431	1441	1431	136
180°	1431	1431	1431	1431	1431	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7
2.5°	1100.9	1100.9	1107.2	1109.3	1109.3	1106.1	1103.0	1106.1	1115.4	1118.5	1117.5
5°	1096.9	1105.1	1116.5	1118.5	1120.6	1119.6	1117.5	1119.6	1129.9	1132.0	1133.0
7.5°	1088.5	1104.1	1118.5	1121.7	1124.7	1121.7	1120.6	1122.7	1133.0	1135.1	1135.1
10°	1078.2	1099.9	1116.5	1118.5	1121.7	1118.5	1118.5	1122.7	1133.0	1135.1	1136.1
12.5°	1063.8	1093.7	1109.3	1111.3	1115.4	1114.4	1113.3	1117.5	1127.8	1129.9	1129.9
15°	1047.3	1082.4	1096.9	1098.9	1106.1	1104.1	1104.1	1108.2	1119.6	1122.7	1121.7
17.5°	1024.6	1067.9	1084.5	1087.5	1092.7	1091.7	1092.7	1096.9	1107.2	1109.3	1110.3
20°	998.7	1048.3	1067.9	1071.0	1076.2	1076.2	1076.2	1081.3	1091.7	1095.8	1095.8
22.5°	963.6	1027.6	1048.3	1050.4	1056.6	1056.6	1058.6	1065.8	1075.2	1076.2	1076.2
25°	922.3	1004.9	1022.5	1028.6	1034.9	1038.0	1041.0	1045.2	1048.3	1047.3	1048.3
27.5°	879.0	976.0	998.7	1002.8	1011.1	1014.2	1018.3	1019.4	1020.4	1023.5	1021.5
30°	830.4	935.7	969.8	974.0	987.4	989.4	985.3	987.4	992.5	994.6	996.7
32.5°	775.6	875.8	939.9	949.2	961.6	955.3	954.3	957.4	965.7	965.7	967.7
35°	701.2	829.4	912.0	920.2	929.5	922.3	926.5	927.5	932.6	935.7	934.7
37.5°	619.7	789.1	883.0	889.3	896.5	887.2	893.4	896.5	900.6	898.5	898.5
40°	547.4	726.0	849.0	853.1	859.3	852.1	858.2	860.3	862.4	860.3	859.3
42.5°	493.6	656.9	812.8	818.0	813.8	819.0	821.1	825.2	822.1	818.0	818.0
45°	452.4	638.3	773.5	779.8	773.5	781.9	784.9	784.9	775.6	773.5	772.5
47.5°	439.0	601.1	734.3	734.3	731.2	741.6	746.7	739.5	730.2	727.1	727.1
50°	437.9	559.8	680.6	676.5	690.9	703.3	698.2	690.9	683.7	672.4	672.4
52.5°	397.6	509.2	611.5	626.9	649.6	656.9	648.6	641.4	629.0	623.8	619.7
55°	368.7	456.5	548.4	579.4	603.1	612.5	597.0	589.7	571.1	568.0	566.0
57.5°	362.5	380.1	490.6	529.8	558.7	557.7	548.4	535.0	519.5	516.4	515.4
60°	332.6	274.7	428.6	475.1	505.0	502.0	493.6	481.2	466.9	464.8	462.7
62.5°	301.6	199.4	358.4	411.0	453.4	452.4	445.1	426.6	416.2	411.0	406.9
65°	256.1	167.3	255.1	341.9	402.8	404.9	389.4	375.9	364.6	358.4	357.4
67.5°	195.2	136.4	172.5	285.1	354.3	352.2	332.6	326.4	311.9	308.8	302.6
70°	144.6	90.9	119.8	231.4	306.8	301.6	286.1	278.9	265.4	258.2	254.1
72.5°	119.8	73.3	87.8	179.7	258.2	252.0	238.5	230.3	219.0	212.8	208.6
75°	97.1	77.5	67.1	133.2	209.7	205.5	193.1	184.9	175.6	167.3	168.3
77.5°	71.3	72.3	53.7	98.1	166.3	160.1	152.8	142.5	138.4	130.1	130.1
80°	53.7	56.8	40.3	67.1	119.8	119.8	113.6	106.4	99.2	95.0	95.0
82.5°	36.1	36.1	30.0	42.4	81.6	78.5	74.4	72.3	68.1	66.1	66.1
85°	16.6	20.6	18.6	25.8	44.4	46.5	46.5	44.4	43.4	41.3	42.4
87.5°	5.2	9.3	11.4	14.5	22.7	23.8	24.8	24.8	24.8	25.8	25.8
90°	9.6	17.3	24.9	26.9	42.3	62.8	73.0	64.9	48.7	36.5	36.5
92.5°	38.4	103.7	169.1	185.4	260.6	361.0	411.1	360.3	258.7	182.5	175.3
95°	92.2	211.8	331.3	361.1	641.3	1014.8	1201.6	1072.2	813.6	619.5	597.5
97.5°	159.5	264.9	370.4	396.7	863.9	1486.7	1798.1	1716.3	1552.9	1430.2	1388.4
100°	211.3	306.9	402.6	426.5	944.9	1635.9	1981.5	1987.5	1999.5	2008.4	1958.6
102.5°	255.5	344.7	433.9	456.2	982.0	1682.9	2033.4	2137.6	2345.9	2502.1	2459.5
105°	330.4	405.9	481.6	500.4	1009.5	1688.2	2027.6	2261.2	2728.2	3078.5	3055.5
107.5°	407.3	477.7	548.1	565.7	1014.6	1613.2	1912.4	2238.1	2889.6	3378.1	3383.7
110°	459.2	522.8	586.4	602.2	1006.9	1546.5	1816.4	2180.5	2908.8	3455.0	3478.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	510.0	570.6	631.2	646.4	1007.2	1488.3	1728.9	2101.6	2846.9	3405.9	3442.7
115°	586.9	642.8	698.7	712.7	1016.6	1421.7	1624.2	1983.2	2701.2	3239.8	3290.7
117.5°	662.7	713.6	764.4	777.1	1035.4	1379.9	1552.2	1876.2	2524.2	3010.2	3066.7
120°	706.9	754.8	802.6	814.5	1050.8	1365.8	1523.4	1819.4	2411.6	2855.6	2910.4
122.5°	750.1	798.4	846.6	858.7	1072.9	1358.5	1501.3	1767.8	2301.1	2700.9	2755.1
125°	816.4	860.4	904.4	915.4	1102.6	1352.4	1477.2	1703.7	2156.6	2496.3	2546.2
127.5°	870.3	914.6	959.0	970.1	1132.4	1348.9	1457.1	1651.5	2040.4	2332.1	2374.1
130°	899.1	946.9	994.7	1006.6	1154.2	1351.0	1449.4	1622.5	1968.7	2228.4	2267.3
132.5°	928.9	976.7	1024.5	1036.4	1171.9	1352.4	1442.7	1597.6	1907.5	2140.0	2174.8
135°	973.0	1016.6	1060.1	1071.0	1191.0	1351.1	1431.1	1560.9	1820.5	2015.2	2045.1
137.5°	1018.2	1061.3	1104.3	1115.1	1219.8	1359.4	1429.3	1539.0	1758.4	1922.9	1947.5
140°	1055.6	1095.3	1135.0	1144.9	1237.5	1360.8	1422.5	1517.3	1706.9	1849.0	1871.9
142.5°	1084.4	1121.1	1157.8	1167.0	1252.2	1365.7	1422.5	1505.7	1672.2	1797.1	1816.8
145°	1128.6	1160.6	1192.7	1200.7	1271.4	1365.7	1412.9	1480.9	1617.2	1719.3	1734.3
147.5°	1172.8	1204.0	1235.2	1242.9	1299.6	1375.1	1412.9	1466.5	1573.6	1654.0	1666.4
150°	1201.6	1229.8	1257.9	1265.0	1314.2	1380.0	1412.9	1458.1	1548.6	1616.5	1626.5
152.5°	1231.4	1252.7	1274.1	1279.4	1323.9	1383.2	1412.9	1451.5	1528.8	1586.7	1594.3
155°	1275.6	1291.4	1307.2	1311.1	1345.0	1390.2	1412.9	1443.6	1505.1	1551.2	1556.2
157.5°	1308.2	1323.6	1339.0	1342.8	1366.1	1397.3	1412.9	1436.8	1484.6	1520.5	1524.1
160°	1330.3	1342.3	1354.2	1357.2	1375.8	1400.5	1412.9	1433.4	1474.4	1505.1	1507.1
162.5°	1352.4	1361.4	1370.4	1372.6	1386.0	1403.9	1412.9	1430.2	1464.8	1490.7	1492.6
165°	1376.4	1384.5	1392.6	1394.6	1400.7	1408.8	1412.9	1425.3	1450.1	1468.6	1470.6
167.5°	1398.5	1402.3	1406.2	1407.2	1412.3	1419.1	1422.5	1430.6	1446.8	1459.0	1459.8
170°	1412.9	1416.7	1420.6	1421.6	1421.9	1422.3	1422.5	1430.6	1446.8	1459.0	1459.0
172.5°	1420.6	1421.4	1422.3	1422.5	1422.5	1422.5	1422.5	1428.9	1441.7	1451.3	1450.5
175°	1431.1	1431.1	1431.1	1431.1	1428.3	1424.4	1422.5	1426.6	1434.7	1440.7	1440.7
177.5°	1431.1	1431.1	1431.1	1431.1	1428.9	1425.9	1424.4	1427.7	1434.0	1438.8	1438.0
180°	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7
2.5°	1119.6	1116.5	1119.6	1117.5	1118.5	1115.4	1106.1	1103.0	1106.1	1109.3	1109.3
5°	1133.0	1130.9	1133.0	1133.0	1132.0	1129.9	1119.6	1117.5	1119.6	1120.6	1118.5
7.5°	1137.1	1134.1	1137.1	1135.1	1135.1	1133.0	1122.7	1120.6	1121.7	1124.7	1121.7
10°	1137.1	1134.1	1137.1	1136.1	1135.1	1133.0	1122.7	1118.5	1118.5	1121.7	1118.5
12.5°	1132.0	1129.9	1132.0	1129.9	1129.9	1127.8	1117.5	1113.3	1114.4	1115.4	1111.3
15°	1123.7	1120.6	1123.7	1121.7	1122.7	1119.6	1108.2	1104.1	1104.1	1106.1	1098.9
17.5°	1111.3	1107.2	1111.3	1110.3	1109.3	1107.2	1096.9	1092.7	1091.7	1092.7	1087.5
20°	1096.9	1093.7	1096.9	1095.8	1095.8	1091.7	1081.3	1076.2	1076.2	1076.2	1071.0
22.5°	1074.2	1071.0	1074.2	1076.2	1076.2	1075.2	1065.8	1058.6	1056.6	1056.6	1050.4
25°	1048.3	1045.2	1048.3	1048.3	1047.3	1048.3	1045.2	1041.0	1038.0	1034.9	1028.6
27.5°	1023.5	1021.5	1023.5	1021.5	1023.5	1020.4	1019.4	1018.3	1014.2	1011.1	1002.8
30°	998.7	996.7	998.7	996.7	994.6	992.5	987.4	985.3	989.4	987.4	974.0
32.5°	967.7	965.7	967.7	967.7	965.7	965.7	957.4	954.3	955.3	961.6	949.2
35°	935.7	932.6	935.7	934.7	935.7	932.6	927.5	926.5	922.3	929.5	920.2
37.5°	898.5	895.4	898.5	898.5	898.5	900.6	896.5	893.4	887.2	896.5	889.3
40°	860.3	856.2	860.3	859.3	860.3	862.4	860.3	858.2	852.1	859.3	853.1
42.5°	817.0	815.9	817.0	818.0	818.0	822.1	825.2	821.1	819.0	813.8	818.0
45°	770.5	768.4	770.5	772.5	773.5	775.6	784.9	784.9	781.9	773.5	779.8
47.5°	720.9	715.7	720.9	727.1	727.1	730.2	739.5	746.7	741.6	731.2	734.3
50°	668.2	669.3	668.2	672.4	672.4	683.7	690.9	698.2	703.3	690.9	676.5
52.5°	616.6	615.5	616.6	619.7	623.8	629.0	641.4	648.6	656.9	649.6	626.9
55°	564.9	567.0	564.9	566.0	568.0	571.1	589.7	597.0	612.5	603.1	579.4
57.5°	513.3	510.2	513.3	515.4	516.4	519.5	535.0	548.4	557.7	558.7	529.8
60°	453.4	449.3	453.4	462.7	464.8	466.9	481.2	493.6	502.0	505.0	475.1
62.5°	400.7	393.5	400.7	406.9	411.0	416.2	426.6	445.1	452.4	453.4	411.0
65°	345.0	341.9	345.0	357.4	358.4	364.6	375.9	389.4	404.9	402.8	341.9
67.5°	294.4	294.4	294.4	302.6	308.8	311.9	326.4	332.6	352.2	354.3	285.1
70°	247.9	246.9	247.9	254.1	258.2	265.4	278.9	286.1	301.6	306.8	231.4
72.5°	203.4	202.4	203.4	208.6	212.8	219.0	230.3	238.5	252.0	258.2	179.7
75°	164.2	162.2	164.2	168.3	167.3	175.6	184.9	193.1	205.5	209.7	133.2
77.5°	126.0	126.0	126.0	130.1	130.1	138.4	142.5	152.8	160.1	166.3	98.1
80°	94.0	92.9	94.0	95.0	95.0	99.2	106.4	113.6	119.8	119.8	67.1
82.5°	66.1	64.1	66.1	66.1	66.1	68.1	72.3	74.4	78.5	81.6	42.4
85°	41.3	41.3	41.3	42.4	41.3	43.4	44.4	46.5	46.5	44.4	25.8
87.5°	26.9	25.8	26.9	25.8	25.8	24.8	24.8	24.8	23.8	22.7	14.5
90°	36.5	36.5	36.5	36.5	36.5	48.7	64.9	73.0	62.8	42.3	26.9
92.5°	146.2	117.2	146.2	175.3	182.5	258.7	360.3	411.1	361.0	260.6	185.4
95°	509.6	421.7	509.6	597.5	619.5	813.6	1072.2	1201.6	1014.8	641.3	361.1
97.5°	1221.0	1053.7	1221.0	1388.4	1430.2	1552.9	1716.3	1798.1	1486.7	863.9	396.7
100°	1759.2	1559.9	1759.2	1958.6	2008.4	1999.5	1987.5	1981.5	1635.9	944.9	426.5
102.5°	2288.7	2118.0	2288.7	2459.5	2502.1	2345.9	2137.6	2033.4	1682.9	982.0	456.2
105°	2963.7	2871.9	2963.7	3055.5	3078.5	2728.2	2261.2	2027.6	1688.2	1009.5	500.4
107.5°	3405.9	3428.0	3405.9	3383.7	3378.1	2889.6	2238.1	1912.4	1613.2	1014.6	565.7
110°	3574.5	3670.1	3574.5	3478.9	3455.0	2908.8	2180.5	1816.4	1546.5	1006.9	602.2



TEST NUMBER: P935824

CATALOG NUMBER: SQ4-FA-150U-050D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3589.5	3736.3	3589.5	3442.7	3405.9	2846.9	2101.6	1728.9	1488.3	1007.2	646.4
115°	3494.3	3697.9	3494.3	3290.7	3239.8	2701.2	1983.2	1624.2	1421.7	1016.6	712.7
117.5°	3292.5	3518.4	3292.5	3066.7	3010.2	2524.2	1876.2	1552.2	1379.9	1035.4	777.1
120°	3129.9	3349.3	3129.9	2910.4	2855.6	2411.6	1819.4	1523.4	1365.8	1050.8	814.5
122.5°	2971.5	3188.0	2971.5	2755.1	2700.9	2301.1	1767.8	1501.3	1358.5	1072.9	858.7
125°	2745.6	2944.9	2745.6	2546.2	2496.3	2156.6	1703.7	1477.2	1352.4	1102.6	915.4
127.5°	2542.4	2710.6	2542.4	2374.1	2332.1	2040.4	1651.5	1457.1	1348.9	1132.4	970.1
130°	2422.7	2578.0	2422.7	2267.3	2228.4	1968.7	1622.5	1449.4	1351.0	1154.2	1006.6
132.5°	2313.9	2453.1	2313.9	2174.8	2140.0	1907.5	1597.6	1442.7	1352.4	1171.9	1036.4
135°	2165.1	2285.1	2165.1	2045.1	2015.2	1820.5	1560.9	1431.1	1351.1	1191.0	1071.0
137.5°	2045.7	2143.8	2045.7	1947.5	1922.9	1758.4	1539.0	1429.3	1359.4	1219.8	1115.1
140°	1963.7	2055.5	1963.7	1871.9	1849.0	1706.9	1517.3	1422.5	1360.8	1237.5	1144.9
142.5°	1895.8	1974.8	1895.8	1816.8	1797.1	1672.2	1505.7	1422.5	1365.7	1252.2	1167.0
145°	1794.0	1853.8	1794.0	1734.3	1719.3	1617.2	1480.9	1412.9	1365.7	1271.4	1200.7
147.5°	1715.9	1765.4	1715.9	1666.4	1654.0	1573.6	1466.5	1412.9	1375.1	1299.6	1242.9
150°	1666.7	1706.9	1666.7	1626.5	1616.5	1548.6	1458.1	1412.9	1380.0	1314.2	1265.0
152.5°	1624.6	1655.0	1624.6	1594.3	1586.7	1528.8	1451.5	1412.9	1383.2	1323.9	1279.4
155°	1576.3	1596.4	1576.3	1556.2	1551.2	1505.1	1443.6	1412.9	1390.2	1345.0	1311.1
157.5°	1538.1	1552.2	1538.1	1524.1	1520.5	1484.6	1436.8	1412.9	1397.3	1366.1	1342.8
160°	1515.3	1523.4	1515.3	1507.1	1505.1	1474.4	1433.4	1412.9	1400.5	1375.8	1357.2
162.5°	1500.3	1508.0	1500.3	1492.6	1490.7	1464.8	1430.2	1412.9	1403.9	1386.0	1372.6
165°	1478.8	1486.9	1478.8	1470.6	1468.6	1450.1	1425.3	1412.9	1408.8	1400.7	1394.6
167.5°	1463.3	1466.7	1463.3	1459.8	1459.0	1446.8	1430.6	1422.5	1419.1	1412.3	1407.2
170°	1459.0	1459.0	1459.0	1459.0	1459.0	1446.8	1430.6	1422.5	1422.3	1421.9	1421.6
172.5°	1447.6	1444.6	1447.6	1450.5	1451.3	1441.7	1428.9	1422.5	1422.5	1422.5	1422.5
175°	1440.7	1440.7	1440.7	1440.7	1440.7	1434.7	1426.6	1422.5	1424.4	1428.3	1431.1
177.5°	1434.5	1431.1	1434.5	1438.0	1438.8	1434.0	1427.7	1424.4	1425.9	1428.9	1431.1
180°	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1



TEST NUMBER: P935824

CATALOG NUMBER: SQ4-FA-150U-050D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7
2.5°	1107.2	1100.9	1100.9	1090.6	1086.5	1083.4	1078.2	1062.8	1058.6	1054.5	1060.7
5°	1116.5	1105.1	1096.9	1078.2	1062.8	1056.6	1037.0	999.8	975.0	956.3	946.0
7.5°	1118.5	1104.1	1088.5	1059.7	1022.5	1005.9	946.0	877.9	859.3	842.8	832.4
10°	1116.5	1099.9	1078.2	1034.9	947.1	918.1	858.2	813.8	802.5	799.4	802.5
12.5°	1109.3	1093.7	1063.8	991.5	868.6	849.0	813.8	788.0	785.9	791.1	819.0
15°	1096.9	1082.4	1047.3	933.6	825.2	810.7	785.9	776.7	788.0	824.2	907.8
17.5°	1084.5	1067.9	1024.6	876.9	792.2	781.9	764.3	782.9	846.9	895.4	923.3
20°	1067.9	1048.3	998.7	835.5	768.4	759.1	750.8	834.5	883.0	900.6	916.1
22.5°	1048.3	1027.6	963.6	806.7	743.6	736.4	741.6	863.4	883.0	895.4	908.8
25°	1022.5	1004.9	922.3	783.9	724.0	715.7	735.4	860.3	871.7	874.8	901.7
27.5°	998.7	976.0	879.0	763.2	700.2	697.2	740.5	846.9	855.2	858.2	887.2
30°	969.8	935.7	830.4	741.6	675.4	674.4	741.6	830.4	828.3	836.6	865.5
32.5°	939.9	875.8	775.6	714.7	651.7	650.6	734.3	805.6	803.5	814.9	836.6
35°	912.0	829.4	701.2	683.7	621.8	622.8	716.8	776.7	777.7	788.0	801.5
37.5°	883.0	789.1	619.7	649.6	592.8	592.8	693.0	749.8	747.7	750.8	769.5
40°	849.0	726.0	547.4	605.2	566.0	562.9	664.1	720.9	713.6	712.6	738.4
42.5°	812.8	656.9	493.6	546.4	535.0	530.8	629.0	685.8	672.4	675.4	708.5
45°	773.5	638.3	452.4	461.7	503.0	499.9	590.7	645.5	636.2	644.5	678.5
47.5°	734.3	601.1	439.0	383.2	468.9	467.9	548.4	606.2	601.1	609.4	645.5
50°	680.6	559.8	437.9	328.4	430.7	434.8	497.8	568.0	568.0	575.3	613.5
52.5°	611.5	509.2	397.6	297.5	386.2	398.6	453.4	535.0	537.1	544.3	578.3
55°	548.4	456.5	368.7	273.7	333.6	360.4	410.0	500.9	505.0	512.3	543.2
57.5°	490.6	380.1	362.5	245.8	285.1	310.8	371.8	467.9	469.9	476.1	506.0
60°	428.6	274.7	332.6	215.8	242.7	262.3	336.7	428.6	435.8	440.0	465.8
62.5°	358.4	199.4	301.6	195.2	222.1	226.1	307.8	391.5	400.7	403.9	419.3
65°	255.1	167.3	256.1	177.6	200.4	201.4	276.8	353.2	361.5	366.7	378.0
67.5°	172.5	136.4	195.2	161.1	183.9	184.9	246.9	308.8	320.2	324.3	331.6
70°	119.8	90.9	144.6	143.5	165.2	167.3	214.8	268.5	278.9	282.0	286.1
72.5°	87.8	73.3	119.8	129.1	145.6	147.7	181.8	223.1	233.4	236.5	238.5
75°	67.1	77.5	97.1	112.6	124.0	125.0	148.7	181.8	189.0	191.0	192.1
77.5°	53.7	72.3	71.3	90.9	101.2	99.2	116.7	140.4	146.7	146.7	146.7
80°	40.3	56.8	53.7	65.1	74.4	72.3	83.6	100.2	102.3	104.3	103.3
82.5°	30.0	36.1	36.1	41.3	49.6	47.5	55.7	65.1	65.1	65.1	67.1
85°	18.6	20.6	16.6	21.7	27.9	26.9	31.0	35.1	36.1	36.1	34.1
87.5°	11.4	9.3	5.2	8.2	12.4	12.4	14.5	15.5	14.5	14.5	14.5
90°	24.9	17.3	9.6	17.3	24.9	26.9	42.3	62.8	73.0	64.9	48.7
92.5°	169.1	103.7	38.4	103.7	169.1	185.4	260.6	361.0	411.1	360.3	258.7
95°	331.3	211.8	92.2	211.8	331.3	361.1	641.3	1014.8	1201.6	1072.2	813.6
97.5°	370.4	264.9	159.5	264.9	370.4	396.7	863.9	1486.7	1798.1	1716.3	1552.9
100°	402.6	306.9	211.3	306.9	402.6	426.5	944.9	1635.9	1981.5	1987.5	1999.5
102.5°	433.9	344.7	255.5	344.7	433.9	456.2	982.0	1682.9	2033.4	2137.6	2345.9
105°	481.6	405.9	330.4	405.9	481.6	500.4	1009.5	1688.2	2027.6	2261.2	2728.2
107.5°	548.1	477.7	407.3	477.7	548.1	565.7	1014.6	1613.2	1912.4	2238.1	2889.6
110°	586.4	522.8	459.2	522.8	586.4	602.2	1006.9	1546.5	1816.4	2180.5	2908.8



TEST NUMBER: P935824

CATALOG NUMBER: SQ4-FA-150U-050D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	631.2	570.6	510.0	570.6	631.2	646.4	1007.2	1488.3	1728.9	2101.6	2846.9
115°	698.7	642.8	586.9	642.8	698.7	712.7	1016.6	1421.7	1624.2	1983.2	2701.2
117.5°	764.4	713.6	662.7	713.6	764.4	777.1	1035.4	1379.9	1552.2	1876.2	2524.2
120°	802.6	754.8	706.9	754.8	802.6	814.5	1050.8	1365.8	1523.4	1819.4	2411.6
122.5°	846.6	798.4	750.1	798.4	846.6	858.7	1072.9	1358.5	1501.3	1767.8	2301.1
125°	904.4	860.4	816.4	860.4	904.4	915.4	1102.6	1352.4	1477.2	1703.7	2156.6
127.5°	959.0	914.6	870.3	914.6	959.0	970.1	1132.4	1348.9	1457.1	1651.5	2040.4
130°	994.7	946.9	899.1	946.9	994.7	1006.6	1154.2	1351.0	1449.4	1622.5	1968.7
132.5°	1024.5	976.7	928.9	976.7	1024.5	1036.4	1171.9	1352.4	1442.7	1597.6	1907.5
135°	1060.1	1016.6	973.0	1016.6	1060.1	1071.0	1191.0	1351.1	1431.1	1560.9	1820.5
137.5°	1104.3	1061.3	1018.2	1061.3	1104.3	1115.1	1219.8	1359.4	1429.3	1539.0	1758.4
140°	1135.0	1095.3	1055.6	1095.3	1135.0	1144.9	1237.5	1360.8	1422.5	1517.3	1706.9
142.5°	1157.8	1121.1	1084.4	1121.1	1157.8	1167.0	1252.2	1365.7	1422.5	1505.7	1672.2
145°	1192.7	1160.6	1128.6	1160.6	1192.7	1200.7	1271.4	1365.7	1412.9	1480.9	1617.2
147.5°	1235.2	1204.0	1172.8	1204.0	1235.2	1242.9	1299.6	1375.1	1412.9	1466.5	1573.6
150°	1257.9	1229.8	1201.6	1229.8	1257.9	1265.0	1314.2	1380.0	1412.9	1458.1	1548.6
152.5°	1274.1	1252.7	1231.4	1252.7	1274.1	1279.4	1323.9	1383.2	1412.9	1451.5	1528.8
155°	1307.2	1291.4	1275.6	1291.4	1307.2	1311.1	1345.0	1390.2	1412.9	1443.6	1505.1
157.5°	1339.0	1323.6	1308.2	1323.6	1339.0	1342.8	1366.1	1397.3	1412.9	1436.8	1484.6
160°	1354.2	1342.3	1330.3	1342.3	1354.2	1357.2	1375.8	1400.5	1412.9	1433.4	1474.4
162.5°	1370.4	1361.4	1352.4	1361.4	1370.4	1372.6	1386.0	1403.9	1412.9	1430.2	1464.8
165°	1392.6	1384.5	1376.4	1384.5	1392.6	1394.6	1400.7	1408.8	1412.9	1425.3	1450.1
167.5°	1406.2	1402.3	1398.5	1402.3	1406.2	1407.2	1412.3	1419.1	1422.5	1430.6	1446.8
170°	1420.6	1416.7	1412.9	1416.7	1420.6	1421.6	1421.9	1422.3	1422.5	1430.6	1446.8
172.5°	1422.3	1421.4	1420.6	1421.4	1422.3	1422.5	1422.5	1422.5	1422.5	1428.9	1441.7
175°	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1428.3	1424.4	1422.5	1426.6	1434.7
177.5°	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1428.9	1425.9	1424.4	1427.7	1434.0
180°	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1



TEST NUMBER: P935824

CATALOG NUMBER: SQ4-FA-150U-050D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7
2.5°	1053.4	1050.4	1054.5	1043.1	1054.5	1050.4	1053.4	1060.7	1054.5	1058.6	1062.8
5°	924.4	919.2	902.7	889.3	902.7	919.2	924.4	946.0	956.3	975.0	999.8
7.5°	826.2	822.1	818.0	809.7	818.0	822.1	826.2	832.4	842.8	859.3	877.9
10°	804.6	805.6	811.8	810.7	811.8	805.6	804.6	802.5	799.4	802.5	813.8
12.5°	860.3	869.6	903.7	901.7	903.7	869.6	860.3	819.0	791.1	785.9	788.0
15°	924.4	927.5	934.7	935.7	934.7	927.5	924.4	907.8	824.2	788.0	776.7
17.5°	930.5	931.6	936.8	936.8	936.8	931.6	930.5	923.3	895.4	846.9	782.9
20°	925.4	927.5	937.8	939.9	937.8	927.5	925.4	916.1	900.6	883.0	834.5
22.5°	923.3	927.5	935.7	934.7	935.7	927.5	923.3	908.8	895.4	883.0	863.4
25°	913.0	913.0	914.1	915.1	914.1	913.0	913.0	901.7	874.8	871.7	860.3
27.5°	891.3	893.4	899.6	898.5	899.6	893.4	891.3	887.2	858.2	855.2	846.9
30°	871.7	869.6	864.5	860.3	864.5	869.6	871.7	865.5	836.6	828.3	830.4
32.5°	838.6	833.4	828.3	825.2	828.3	833.4	838.6	836.6	814.9	803.5	805.6
35°	799.4	800.4	799.4	796.3	799.4	800.4	799.4	801.5	788.0	777.7	776.7
37.5°	771.5	773.5	772.5	768.4	772.5	773.5	771.5	769.5	750.8	747.7	749.8
40°	742.6	743.6	742.6	739.5	742.6	743.6	742.6	738.4	712.6	713.6	720.9
42.5°	714.7	713.6	710.6	708.5	710.6	713.6	714.7	708.5	675.4	672.4	685.8
45°	682.7	683.7	677.5	674.4	677.5	683.7	682.7	678.5	644.5	636.2	645.5
47.5°	650.6	650.6	645.5	642.4	645.5	650.6	650.6	645.5	609.4	601.1	606.2
50°	616.6	615.5	608.3	607.3	608.3	615.5	616.6	613.5	575.3	568.0	568.0
52.5°	577.3	577.3	578.3	580.4	578.3	577.3	577.3	578.3	544.3	537.1	535.0
55°	543.2	544.3	551.6	553.6	551.6	544.3	543.2	543.2	512.3	505.0	500.9
57.5°	508.1	508.1	513.3	513.3	513.3	508.1	508.1	506.0	476.1	469.9	467.9
60°	467.9	469.9	474.1	473.0	474.1	469.9	467.9	465.8	440.0	435.8	428.6
62.5°	425.5	427.6	428.6	426.6	428.6	427.6	425.5	419.3	403.9	400.7	391.5
65°	381.1	383.2	384.2	382.2	384.2	383.2	381.1	378.0	366.7	361.5	353.2
67.5°	335.6	334.6	333.6	337.7	333.6	334.6	335.6	331.6	324.3	320.2	308.8
70°	289.2	289.2	288.1	290.2	288.1	289.2	289.2	286.1	282.0	278.9	268.5
72.5°	239.6	238.5	242.7	239.6	242.7	238.5	239.6	238.5	236.5	233.4	223.1
75°	191.0	193.1	191.0	194.2	191.0	193.1	191.0	192.1	191.0	189.0	181.8
77.5°	145.6	147.7	145.6	145.6	145.6	147.7	145.6	146.7	146.7	146.7	140.4
80°	103.3	102.3	102.3	101.2	102.3	102.3	103.3	103.3	104.3	102.3	100.2
82.5°	66.1	65.1	65.1	67.1	65.1	65.1	66.1	67.1	65.1	65.1	65.1
85°	36.1	37.2	35.1	35.1	35.1	37.2	36.1	34.1	36.1	36.1	35.1
87.5°	13.4	12.4	12.4	12.4	12.4	12.4	13.4	14.5	14.5	14.5	15.5
90°	36.5	36.5	36.5	36.5	36.5	36.5	36.5	48.7	64.9	73.0	62.8
92.5°	182.5	175.3	146.2	117.2	146.2	175.3	182.5	258.7	360.3	411.1	361.0
95°	619.5	597.5	509.6	421.7	509.6	597.5	619.5	813.6	1072.2	1201.6	1014.8
97.5°	1430.2	1388.4	1221.0	1053.7	1221.0	1388.4	1430.2	1552.9	1716.3	1798.1	1486.7
100°	2008.4	1958.6	1759.2	1559.9	1759.2	1958.6	2008.4	1999.5	1987.5	1981.5	1635.9
102.5°	2502.1	2459.5	2288.7	2118.0	2288.7	2459.5	2502.1	2345.9	2137.6	2033.4	1682.9
105°	3078.5	3055.5	2963.7	2871.9	2963.7	3055.5	3078.5	2728.2	2261.2	2027.6	1688.2
107.5°	3378.1	3383.7	3405.9	3428.0	3405.9	3383.7	3378.1	2889.6	2238.1	1912.4	1613.2
110°	3455.0	3478.9	3574.5	3670.1	3574.5	3478.9	3455.0	2908.8	2180.5	1816.4	1546.5



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3405.9	3442.7	3589.5	3736.3	3589.5	3442.7	3405.9	2846.9	2101.6	1728.9	1488.3
115°	3239.8	3290.7	3494.3	3697.9	3494.3	3290.7	3239.8	2701.2	1983.2	1624.2	1421.7
117.5°	3010.2	3066.7	3292.5	3518.4	3292.5	3066.7	3010.2	2524.2	1876.2	1552.2	1379.9
120°	2855.6	2910.4	3129.9	3349.3	3129.9	2910.4	2855.6	2411.6	1819.4	1523.4	1365.8
122.5°	2700.9	2755.1	2971.5	3188.0	2971.5	2755.1	2700.9	2301.1	1767.8	1501.3	1358.5
125°	2496.3	2546.2	2745.6	2944.9	2745.6	2546.2	2496.3	2156.6	1703.7	1477.2	1352.4
127.5°	2332.1	2374.1	2542.4	2710.6	2542.4	2374.1	2332.1	2040.4	1651.5	1457.1	1348.9
130°	2228.4	2267.3	2422.7	2578.0	2422.7	2267.3	2228.4	1968.7	1622.5	1449.4	1351.0
132.5°	2140.0	2174.8	2313.9	2453.1	2313.9	2174.8	2140.0	1907.5	1597.6	1442.7	1352.4
135°	2015.2	2045.1	2165.1	2285.1	2165.1	2045.1	2015.2	1820.5	1560.9	1431.1	1351.1
137.5°	1922.9	1947.5	2045.7	2143.8	2045.7	1947.5	1922.9	1758.4	1539.0	1429.3	1359.4
140°	1849.0	1871.9	1963.7	2055.5	1963.7	1871.9	1849.0	1706.9	1517.3	1422.5	1360.8
142.5°	1797.1	1816.8	1895.8	1974.8	1895.8	1816.8	1797.1	1672.2	1505.7	1422.5	1365.7
145°	1719.3	1734.3	1794.0	1853.8	1794.0	1734.3	1719.3	1617.2	1480.9	1412.9	1365.7
147.5°	1654.0	1666.4	1715.9	1765.4	1715.9	1666.4	1654.0	1573.6	1466.5	1412.9	1375.1
150°	1616.5	1626.5	1666.7	1706.9	1666.7	1626.5	1616.5	1548.6	1458.1	1412.9	1380.0
152.5°	1586.7	1594.3	1624.6	1655.0	1624.6	1594.3	1586.7	1528.8	1451.5	1412.9	1383.2
155°	1551.2	1556.2	1576.3	1596.4	1576.3	1556.2	1551.2	1505.1	1443.6	1412.9	1390.2
157.5°	1520.5	1524.1	1538.1	1552.2	1538.1	1524.1	1520.5	1484.6	1436.8	1412.9	1397.3
160°	1505.1	1507.1	1515.3	1523.4	1515.3	1507.1	1505.1	1474.4	1433.4	1412.9	1400.5
162.5°	1490.7	1492.6	1500.3	1508.0	1500.3	1492.6	1490.7	1464.8	1430.2	1412.9	1403.9
165°	1468.6	1470.6	1478.8	1486.9	1478.8	1470.6	1468.6	1450.1	1425.3	1412.9	1408.8
167.5°	1459.0	1459.8	1463.3	1466.7	1463.3	1459.8	1459.0	1446.8	1430.6	1422.5	1419.1
170°	1459.0	1459.0	1459.0	1459.0	1459.0	1459.0	1459.0	1446.8	1430.6	1422.5	1422.3
172.5°	1451.3	1450.5	1447.6	1444.6	1447.6	1450.5	1451.3	1441.7	1428.9	1422.5	1422.5
175°	1440.7	1440.7	1440.7	1440.7	1440.7	1440.7	1440.7	1434.7	1426.6	1422.5	1424.4
177.5°	1438.8	1438.0	1434.5	1431.1	1434.5	1438.0	1438.8	1434.0	1427.7	1424.4	1425.9
180°	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1091.7	1091.7	1091.7	1091.7	1091.7
2.5°	1078.2	1083.4	1086.5	1090.6	1100.9
5°	1037.0	1056.6	1062.8	1078.2	1096.9
7.5°	946.0	1005.9	1022.5	1059.7	1088.5
10°	858.2	918.1	947.1	1034.9	1078.2
12.5°	813.8	849.0	868.6	991.5	1063.8
15°	785.9	810.7	825.2	933.6	1047.3
17.5°	764.3	781.9	792.2	876.9	1024.6
20°	750.8	759.1	768.4	835.5	998.7
22.5°	741.6	736.4	743.6	806.7	963.6
25°	735.4	715.7	724.0	783.9	922.3
27.5°	740.5	697.2	700.2	763.2	879.0
30°	741.6	674.4	675.4	741.6	830.4
32.5°	734.3	650.6	651.7	714.7	775.6
35°	716.8	622.8	621.8	683.7	701.2
37.5°	693.0	592.8	592.8	649.6	619.7
40°	664.1	562.9	566.0	605.2	547.4
42.5°	629.0	530.8	535.0	546.4	493.6
45°	590.7	499.9	503.0	461.7	452.4
47.5°	548.4	467.9	468.9	383.2	439.0
50°	497.8	434.8	430.7	328.4	437.9
52.5°	453.4	398.6	386.2	297.5	397.6
55°	410.0	360.4	333.6	273.7	368.7
57.5°	371.8	310.8	285.1	245.8	362.5
60°	336.7	262.3	242.7	215.8	332.6
62.5°	307.8	226.1	222.1	195.2	301.6
65°	276.8	201.4	200.4	177.6	256.1
67.5°	246.9	184.9	183.9	161.1	195.2
70°	214.8	167.3	165.2	143.5	144.6
72.5°	181.8	147.7	145.6	129.1	119.8
75°	148.7	125.0	124.0	112.6	97.1
77.5°	116.7	99.2	101.2	90.9	71.3
80°	83.6	72.3	74.4	65.1	53.7
82.5°	55.7	47.5	49.6	41.3	36.1
85°	31.0	26.9	27.9	21.7	16.6
87.5°	14.5	12.4	12.4	8.2	5.2
90°	42.3	26.9	24.9	17.3	9.6
92.5°	260.6	185.4	169.1	103.7	38.4
95°	641.3	361.1	331.3	211.8	92.2
97.5°	863.9	396.7	370.4	264.9	159.5
100°	944.9	426.5	402.6	306.9	211.3
102.5°	982.0	456.2	433.9	344.7	255.5
105°	1009.5	500.4	481.6	405.9	330.4
107.5°	1014.6	565.7	548.1	477.7	407.3
110°	1006.9	602.2	586.4	522.8	459.2



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1007.2	646.4	631.2	570.6	510.0
115°	1016.6	712.7	698.7	642.8	586.9
117.5°	1035.4	777.1	764.4	713.6	662.7
120°	1050.8	814.5	802.6	754.8	706.9
122.5°	1072.9	858.7	846.6	798.4	750.1
125°	1102.6	915.4	904.4	860.4	816.4
127.5°	1132.4	970.1	959.0	914.6	870.3
130°	1154.2	1006.6	994.7	946.9	899.1
132.5°	1171.9	1036.4	1024.5	976.7	928.9
135°	1191.0	1071.0	1060.1	1016.6	973.0
137.5°	1219.8	1115.1	1104.3	1061.3	1018.2
140°	1237.5	1144.9	1135.0	1095.3	1055.6
142.5°	1252.2	1167.0	1157.8	1121.1	1084.4
145°	1271.4	1200.7	1192.7	1160.6	1128.6
147.5°	1299.6	1242.9	1235.2	1204.0	1172.8
150°	1314.2	1265.0	1257.9	1229.8	1201.6
152.5°	1323.9	1279.4	1274.1	1252.7	1231.4
155°	1345.0	1311.1	1307.2	1291.4	1275.6
157.5°	1366.1	1342.8	1339.0	1323.6	1308.2
160°	1375.8	1357.2	1354.2	1342.3	1330.3
162.5°	1386.0	1372.6	1370.4	1361.4	1352.4
165°	1400.7	1394.6	1392.6	1384.5	1376.4
167.5°	1412.3	1407.2	1406.2	1402.3	1398.5
170°	1421.9	1421.6	1420.6	1416.7	1412.9
172.5°	1422.5	1422.5	1422.3	1421.4	1420.6
175°	1428.3	1431.1	1431.1	1431.1	1431.1
177.5°	1428.9	1431.1	1431.1	1431.1	1431.1
180°	1431.1	1431.1	1431.1	1431.1	1431.1



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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	7.23	7.90	8.39	9.04	10.65	10.07	10.74	11.23	11.88	13.49
	3H	7.70	8.29	8.86	9.44	11.06	11.41	12.00	12.57	13.15	14.77
	4H	7.88	8.44	9.05	9.59	11.22	11.84	12.41	13.01	13.56	15.18
	6H	7.99	8.51	9.17	9.66	11.30	12.12	12.64	13.30	13.79	15.43
	8H	7.98	8.48	9.16	9.64	11.27	12.19	12.68	13.37	13.85	15.48
	12H	7.95	8.41	9.13	9.58	11.23	12.22	12.69	13.41	13.85	15.50
4H	2H	8.24	8.81	9.42	9.96	11.59	10.46	11.02	11.64	12.17	13.80
	3H	9.25	9.72	10.44	10.90	12.54	11.95	12.42	13.13	13.59	15.23
	4H	9.52	9.95	10.71	11.12	12.78	12.47	12.90	13.65	14.07	15.72
	6H	9.63	10.00	10.82	11.19	12.84	12.82	13.19	14.01	14.38	16.03
	8H	9.63	9.98	10.82	11.16	12.82	12.93	13.27	14.11	14.45	16.11
	12H	9.59	9.91	10.80	11.10	12.76	12.97	13.29	14.18	14.48	16.14
8H	4H	9.96	10.30	11.15	11.48	13.15	12.57	12.92	13.76	14.10	15.76
	6H	10.21	10.50	11.42	11.72	13.38	13.00	13.29	14.21	14.51	16.17
	8H	10.25	10.50	11.47	11.70	13.38	13.16	13.40	14.37	14.60	16.28
	12H	10.23	10.45	11.44	11.64	13.35	13.25	13.47	14.46	14.66	16.37
12H	4H	9.96	10.27	11.16	11.46	13.13	12.53	12.84	13.73	14.03	15.70
	6H	10.27	10.52	11.48	11.72	13.40	13.00	13.25	14.21	14.45	16.13
	8H	10.33	10.55	11.55	11.74	13.45	13.15	13.37	14.37	14.57	16.28