

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: P935424

Luminaire Tested: SQ4-FA-125U-050D-927-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935424
REPORT IS A COMBINATION OF REPORTS P933756 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-050D-927-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

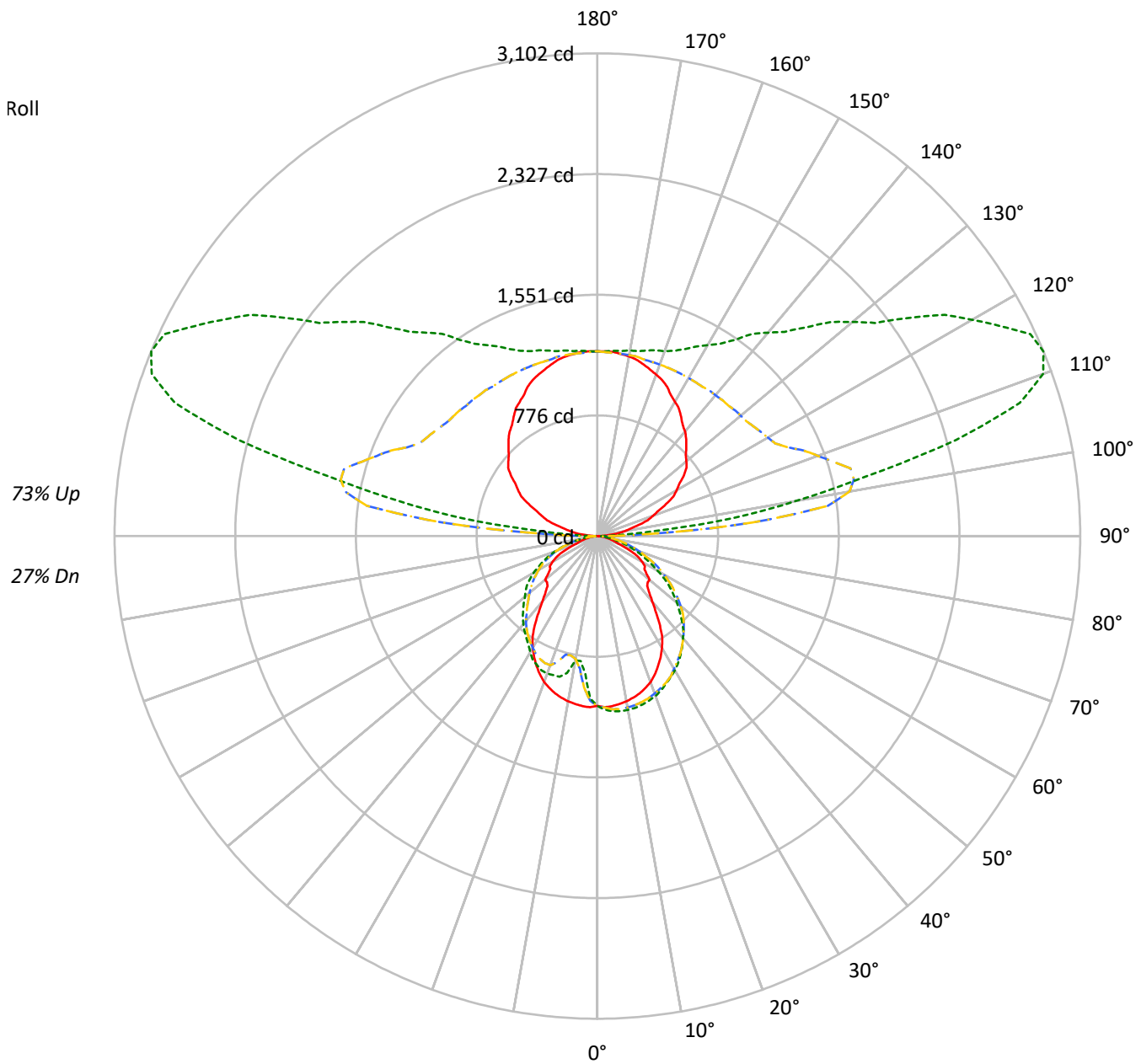
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10536.7 lumens
Efficiency: N/A
Efficacy: 110.7 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): 95.2
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				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	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35	27				27
1	93	88	85	81	83	79	76	73	62	60	58	46	44	43	31	30	29	23				23
2	84	77	71	66	75	69	64	60	54	51	48	40	38	36	27	26	25	19				19
3	77	68	61	55	68	61	55	50	48	43	40	35	33	30	24	22	21	16				16
4	70	60	52	47	62	54	47	42	42	38	34	31	28	26	21	20	18	14				14
5	64	53	45	40	57	48	41	36	38	33	29	28	25	22	19	17	16	12				12
6	59	48	40	34	53	43	36	31	34	29	25	25	22	19	17	15	14	10				10
7	55	43	35	30	49	38	32	27	30	26	22	23	20	17	16	14	12	9				9
8	50	39	31	26	45	35	28	24	28	23	19	21	18	15	15	12	11	8				8
9	47	35	28	23	42	32	25	21	25	21	17	19	16	14	13	11	10	7				7
10	44	32	25	20	39	29	23	19	23	19	15	18	14	12	12	10	9	7				7

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	0.9
10°-20°	279.8	2.7
20°-30°	432.5	4.1
30°-40°	516.3	4.9
40°-50°	519.3	4.9
50°-60°	451.9	4.3
60°-70°	320.4	3.0
70°-80°	169.5	1.6
80°-90°	46.8	0.4
90°-100°	579.1	5.5
100°-110°	1522.5	14.4
110°-120°	1578.7	15.0
120°-130°	1266.3	12.0
130°-140°	993.6	9.4
140°-150°	762.6	7.2
150°-160°	549.2	5.2
160°-170°	336.0	3.2
170°-180°	113.5	1.1
0°-30°	810.8	7.7
0°-40°	1327.2	12.6
0°-60°	2298.4	21.8
0°-90°	2835.1	26.9
90°-120°	3680.3	34.9
90°-150°	6702.9	63.6
90°-180°	7702.0	73.1
0°-180°	10536.7	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°	8	30	8	30	8	7
95°	76	350	76	350	76	85
105°	274	2384	274	2384	274	291
115°	487	3070	487	3070	487	481
125°	678	2445	678	2445	678	602
135°	808	1897	808	1897	808	625
145°	937	1539	937	1539	937	587
155°	1059	1325	1059	1325	1059	487
165°	1143	1234	1143	1234	1143	322
175°	1188	1196	1188	1196	1188	113
180°	1188	1188	1188	1188	1188	



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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°	8.0	14.4	20.7	22.3	35.1	52.1	60.6	53.8	40.3	30.3	30.3
92.5°	31.9	86.1	140.4	153.9	216.4	299.6	341.3	299.1	214.8	151.5	145.5
95°	76.5	175.8	275.0	299.8	532.4	842.5	997.5	890.1	675.4	514.3	496.0
97.5°	132.4	219.9	307.5	329.3	717.1	1234.2	1492.6	1424.8	1289.1	1187.3	1152.5
100°	175.4	254.8	334.2	354.0	784.3	1358.0	1645.0	1649.9	1659.8	1667.3	1625.9
102.5°	212.1	286.1	360.2	378.8	815.2	1397.1	1688.0	1774.5	1947.4	2077.1	2041.7
105°	274.3	337.0	399.7	415.4	838.0	1401.5	1683.2	1877.0	2264.7	2555.5	2536.5
107.5°	338.1	396.6	455.0	469.6	842.2	1339.1	1587.5	1857.9	2398.7	2804.3	2808.9
110°	381.2	434.0	486.8	500.0	835.9	1283.8	1507.8	1810.1	2414.6	2868.0	2887.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	423.4	473.7	524.1	536.6	836.1	1235.5	1435.2	1744.6	2363.3	2827.4	2857.9
115°	487.2	533.6	580.0	591.6	843.8	1180.2	1348.3	1646.3	2242.4	2689.5	2731.7
117.5°	550.2	592.4	634.5	645.0	859.6	1145.5	1288.5	1557.5	2095.4	2498.9	2545.8
120°	586.8	626.5	666.2	676.1	872.3	1133.8	1264.6	1510.4	2001.8	2370.5	2416.0
122.5°	622.7	662.7	702.8	712.8	890.6	1127.7	1246.2	1467.5	1910.2	2242.2	2287.1
125°	677.8	714.3	750.8	759.8	915.3	1122.7	1226.3	1414.3	1790.3	2072.3	2113.6
127.5°	722.4	759.3	796.1	805.3	940.1	1119.7	1209.6	1371.0	1693.8	1935.9	1970.8
130°	746.3	786.0	825.7	835.6	958.1	1121.5	1203.2	1346.9	1634.3	1849.8	1882.1
132.5°	771.0	810.7	850.4	860.3	972.7	1122.7	1197.6	1326.2	1583.5	1776.5	1805.3
135°	807.7	843.8	880.0	889.0	988.7	1121.6	1188.0	1295.8	1511.2	1672.8	1697.7
137.5°	845.2	881.0	916.8	925.7	1012.6	1128.5	1186.4	1277.5	1459.7	1596.3	1616.7
140°	876.3	909.2	942.2	950.4	1027.3	1129.7	1180.9	1259.6	1416.9	1534.9	1553.9
142.5°	900.2	930.7	961.1	968.7	1039.4	1133.7	1180.9	1249.9	1388.2	1491.8	1508.2
145°	936.9	963.4	990.1	996.7	1055.4	1133.7	1172.9	1229.4	1342.5	1427.3	1439.7
147.5°	973.6	999.5	1025.3	1031.8	1078.8	1141.5	1172.9	1217.4	1306.3	1373.1	1383.3
150°	997.5	1020.9	1044.3	1050.1	1091.0	1145.6	1172.9	1210.4	1285.6	1342.0	1350.3
152.5°	1022.2	1039.9	1057.6	1062.1	1099.0	1148.2	1172.9	1205.0	1269.1	1317.2	1323.6
155°	1058.9	1072.0	1085.1	1088.4	1116.6	1154.1	1172.9	1198.4	1249.5	1287.7	1291.9
157.5°	1086.0	1098.7	1111.5	1114.7	1134.1	1159.9	1172.9	1192.7	1232.4	1262.2	1265.1
160°	1104.3	1114.3	1124.2	1126.7	1142.1	1162.6	1172.9	1189.9	1223.9	1249.4	1251.1
162.5°	1122.7	1130.1	1137.5	1139.4	1150.5	1165.4	1172.9	1187.2	1215.9	1237.5	1239.1
165°	1142.6	1149.4	1156.1	1157.8	1162.8	1169.5	1172.9	1183.2	1203.7	1219.1	1220.8
167.5°	1160.9	1164.1	1167.3	1168.1	1172.3	1178.0	1180.9	1187.6	1201.0	1211.1	1211.8
170°	1172.9	1176.1	1179.3	1180.1	1180.3	1180.7	1180.9	1187.6	1201.0	1211.1	1211.1
172.5°	1179.3	1179.9	1180.7	1180.9	1180.9	1180.9	1180.9	1186.2	1196.8	1204.8	1204.2
175°	1188.0	1188.0	1188.0	1188.0	1185.6	1182.5	1180.9	1184.3	1191.0	1196.0	1196.0
177.5°	1188.0	1188.0	1188.0	1188.0	1186.2	1183.7	1182.5	1185.1	1190.4	1194.4	1193.7
180°	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0



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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°	30.3	30.3	30.3	30.3	30.3	40.3	53.8	60.6	52.1	35.1	22.3
92.5°	121.4	97.3	121.4	145.5	151.5	214.8	299.1	341.3	299.6	216.4	153.9
95°	423.0	350.0	423.0	496.0	514.3	675.4	890.1	997.5	842.5	532.4	299.8
97.5°	1013.6	874.7	1013.6	1152.5	1187.3	1289.1	1424.8	1492.6	1234.2	717.1	329.3
100°	1460.4	1294.9	1460.4	1625.9	1667.3	1659.8	1649.9	1645.0	1358.0	784.3	354.0
102.5°	1899.9	1758.1	1899.9	2041.7	2077.1	1947.4	1774.5	1688.0	1397.1	815.2	378.8
105°	2460.2	2384.1	2460.2	2536.5	2555.5	2264.7	1877.0	1683.2	1401.5	838.0	415.4
107.5°	2827.3	2845.7	2827.3	2808.9	2804.3	2398.7	1857.9	1587.5	1339.1	842.2	469.6
110°	2967.3	3046.7	2967.3	2887.9	2868.0	2414.6	1810.1	1507.8	1283.8	835.9	500.0



TEST NUMBER: P935424

CATALOG NUMBER: SQ4-FA-125U-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°	2979.7	3101.6	2979.7	2857.9	2827.4	2363.3	1744.6	1435.2	1235.5	836.1	536.6
115°	2900.7	3069.8	2900.7	2731.7	2689.5	2242.4	1646.3	1348.3	1180.2	843.8	591.6
117.5°	2733.2	2920.7	2733.2	2545.8	2498.9	2095.4	1557.5	1288.5	1145.5	859.6	645.0
120°	2598.2	2780.3	2598.2	2416.0	2370.5	2001.8	1510.4	1264.6	1133.8	872.3	676.1
122.5°	2466.8	2646.4	2466.8	2287.1	2242.2	1910.2	1467.5	1246.2	1127.7	890.6	712.8
125°	2279.2	2444.7	2279.2	2113.6	2072.3	1790.3	1414.3	1226.3	1122.7	915.3	759.8
127.5°	2110.5	2250.1	2110.5	1970.8	1935.9	1693.8	1371.0	1209.6	1119.7	940.1	805.3
130°	2011.1	2140.1	2011.1	1882.1	1849.8	1634.3	1346.9	1203.2	1121.5	958.1	835.6
132.5°	1920.9	2036.4	1920.9	1805.3	1776.5	1583.5	1326.2	1197.6	1122.7	972.7	860.3
135°	1797.3	1896.9	1797.3	1697.7	1672.8	1511.2	1295.8	1188.0	1121.6	988.7	889.0
137.5°	1698.2	1779.7	1698.2	1616.7	1596.3	1459.7	1277.5	1186.4	1128.5	1012.6	925.7
140°	1630.2	1706.3	1630.2	1553.9	1534.9	1416.9	1259.6	1180.9	1129.7	1027.3	950.4
142.5°	1573.7	1639.3	1573.7	1508.2	1491.8	1388.2	1249.9	1180.9	1133.7	1039.4	968.7
145°	1489.3	1538.8	1489.3	1439.7	1427.3	1342.5	1229.4	1172.9	1133.7	1055.4	996.7
147.5°	1424.4	1465.5	1424.4	1383.3	1373.1	1306.3	1217.4	1172.9	1141.5	1078.8	1031.8
150°	1383.6	1416.9	1383.6	1350.3	1342.0	1285.6	1210.4	1172.9	1145.6	1091.0	1050.1
152.5°	1348.7	1373.8	1348.7	1323.6	1317.2	1269.1	1205.0	1172.9	1148.2	1099.0	1062.1
155°	1308.5	1325.2	1308.5	1291.9	1287.7	1249.5	1198.4	1172.9	1154.1	1116.6	1088.4
157.5°	1276.8	1288.5	1276.8	1265.1	1262.2	1232.4	1192.7	1172.9	1159.9	1134.1	1114.7
160°	1257.8	1264.6	1257.8	1251.1	1249.4	1223.9	1189.9	1172.9	1162.6	1142.1	1126.7
162.5°	1245.5	1251.9	1245.5	1239.1	1237.5	1215.9	1187.2	1172.9	1165.4	1150.5	1139.4
165°	1227.5	1234.3	1227.5	1220.8	1219.1	1203.7	1183.2	1172.9	1169.5	1162.8	1157.8
167.5°	1214.7	1217.5	1214.7	1211.8	1211.1	1201.0	1187.6	1180.9	1178.0	1172.3	1168.1
170°	1211.1	1211.1	1211.1	1211.1	1211.1	1201.0	1187.6	1180.9	1180.7	1180.3	1180.1
172.5°	1201.7	1199.2	1201.7	1204.2	1204.8	1196.8	1186.2	1180.9	1180.9	1180.9	1180.9
175°	1196.0	1196.0	1196.0	1196.0	1196.0	1191.0	1184.3	1180.9	1182.5	1185.6	1188.0
177.5°	1190.9	1188.0	1190.9	1193.7	1194.4	1190.4	1185.1	1182.5	1183.7	1186.2	1188.0
180°	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0



TEST NUMBER: P935424

CATALOG NUMBER: SQ4-FA-125U-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°	20.7	14.4	8.0	14.4	20.7	22.3	35.1	52.1	60.6	53.8	40.3
92.5°	140.4	86.1	31.9	86.1	140.4	153.9	216.4	299.6	341.3	299.1	214.8
95°	275.0	175.8	76.5	175.8	275.0	299.8	532.4	842.5	997.5	890.1	675.4
97.5°	307.5	219.9	132.4	219.9	307.5	329.3	717.1	1234.2	1492.6	1424.8	1289.1
100°	334.2	254.8	175.4	254.8	334.2	354.0	784.3	1358.0	1645.0	1649.9	1659.8
102.5°	360.2	286.1	212.1	286.1	360.2	378.8	815.2	1397.1	1688.0	1774.5	1947.4
105°	399.7	337.0	274.3	337.0	399.7	415.4	838.0	1401.5	1683.2	1877.0	2264.7
107.5°	455.0	396.6	338.1	396.6	455.0	469.6	842.2	1339.1	1587.5	1857.9	2398.7
110°	486.8	434.0	381.2	434.0	486.8	500.0	835.9	1283.8	1507.8	1810.1	2414.6



TEST NUMBER: P935424

CATALOG NUMBER: SQ4-FA-125U-050D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	524.1	473.7	423.4	473.7	524.1	536.6	836.1	1235.5	1435.2	1744.6	2363.3
115°	580.0	533.6	487.2	533.6	580.0	591.6	843.8	1180.2	1348.3	1646.3	2242.4
117.5°	634.5	592.4	550.2	592.4	634.5	645.0	859.6	1145.5	1288.5	1557.5	2095.4
120°	666.2	626.5	586.8	626.5	666.2	676.1	872.3	1133.8	1264.6	1510.4	2001.8
122.5°	702.8	662.7	622.7	662.7	702.8	712.8	890.6	1127.7	1246.2	1467.5	1910.2
125°	750.8	714.3	677.8	714.3	750.8	759.8	915.3	1122.7	1226.3	1414.3	1790.3
127.5°	796.1	759.3	722.4	759.3	796.1	805.3	940.1	1119.7	1209.6	1371.0	1693.8
130°	825.7	786.0	746.3	786.0	825.7	835.6	958.1	1121.5	1203.2	1346.9	1634.3
132.5°	850.4	810.7	771.0	810.7	850.4	860.3	972.7	1122.7	1197.6	1326.2	1583.5
135°	880.0	843.8	807.7	843.8	880.0	889.0	988.7	1121.6	1188.0	1295.8	1511.2
137.5°	916.8	881.0	845.2	881.0	916.8	925.7	1012.6	1128.5	1186.4	1277.5	1459.7
140°	942.2	909.2	876.3	909.2	942.2	950.4	1027.3	1129.7	1180.9	1259.6	1416.9
142.5°	961.1	930.7	900.2	930.7	961.1	968.7	1039.4	1133.7	1180.9	1249.9	1388.2
145°	990.1	963.4	936.9	963.4	990.1	996.7	1055.4	1133.7	1172.9	1229.4	1342.5
147.5°	1025.3	999.5	973.6	999.5	1025.3	1031.8	1078.8	1141.5	1172.9	1217.4	1306.3
150°	1044.3	1020.9	997.5	1020.9	1044.3	1050.1	1091.0	1145.6	1172.9	1210.4	1285.6
152.5°	1057.6	1039.9	1022.2	1039.9	1057.6	1062.1	1099.0	1148.2	1172.9	1205.0	1269.1
155°	1085.1	1072.0	1058.9	1072.0	1085.1	1088.4	1116.6	1154.1	1172.9	1198.4	1249.5
157.5°	1111.5	1098.7	1086.0	1098.7	1111.5	1114.7	1134.1	1159.9	1172.9	1192.7	1232.4
160°	1124.2	1114.3	1104.3	1114.3	1124.2	1126.7	1142.1	1162.6	1172.9	1189.9	1223.9
162.5°	1137.5	1130.1	1122.7	1130.1	1137.5	1139.4	1150.5	1165.4	1172.9	1187.2	1215.9
165°	1156.1	1149.4	1142.6	1149.4	1156.1	1157.8	1162.8	1169.5	1172.9	1183.2	1203.7
167.5°	1167.3	1164.1	1160.9	1164.1	1167.3	1168.1	1172.3	1178.0	1180.9	1187.6	1201.0
170°	1179.3	1176.1	1172.9	1176.1	1179.3	1180.1	1180.3	1180.7	1180.9	1187.6	1201.0
172.5°	1180.7	1179.9	1179.3	1179.9	1180.7	1180.9	1180.9	1180.9	1180.9	1186.2	1196.8
175°	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1185.6	1182.5	1180.9	1184.3	1191.0
177.5°	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1186.2	1183.7	1182.5	1185.1	1190.4
180°	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0



TEST NUMBER: P935424

CATALOG NUMBER: SQ4-FA-125U-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°	30.3	30.3	30.3	30.3	30.3	30.3	30.3	40.3	53.8	60.6	52.1
92.5°	151.5	145.5	121.4	97.3	121.4	145.5	151.5	214.8	299.1	341.3	299.6
95°	514.3	496.0	423.0	350.0	423.0	496.0	514.3	675.4	890.1	997.5	842.5
97.5°	1187.3	1152.5	1013.6	874.7	1013.6	1152.5	1187.3	1289.1	1424.8	1492.6	1234.2
100°	1667.3	1625.9	1460.4	1294.9	1460.4	1625.9	1667.3	1659.8	1649.9	1645.0	1358.0
102.5°	2077.1	2041.7	1899.9	1758.1	1899.9	2041.7	2077.1	1947.4	1774.5	1688.0	1397.1
105°	2555.5	2536.5	2460.2	2384.1	2460.2	2536.5	2555.5	2264.7	1877.0	1683.2	1401.5
107.5°	2804.3	2808.9	2827.3	2845.7	2827.3	2808.9	2804.3	2398.7	1857.9	1587.5	1339.1
110°	2868.0	2887.9	2967.3	3046.7	2967.3	2887.9	2868.0	2414.6	1810.1	1507.8	1283.8



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2827.4	2857.9	2979.7	3101.6	2979.7	2857.9	2827.4	2363.3	1744.6	1435.2	1235.5
115°	2689.5	2731.7	2900.7	3069.8	2900.7	2731.7	2689.5	2242.4	1646.3	1348.3	1180.2
117.5°	2498.9	2545.8	2733.2	2920.7	2733.2	2545.8	2498.9	2095.4	1557.5	1288.5	1145.5
120°	2370.5	2416.0	2598.2	2780.3	2598.2	2416.0	2370.5	2001.8	1510.4	1264.6	1133.8
122.5°	2242.2	2287.1	2466.8	2646.4	2466.8	2287.1	2242.2	1910.2	1467.5	1246.2	1127.7
125°	2072.3	2113.6	2279.2	2444.7	2279.2	2113.6	2072.3	1790.3	1414.3	1226.3	1122.7
127.5°	1935.9	1970.8	2110.5	2250.1	2110.5	1970.8	1935.9	1693.8	1371.0	1209.6	1119.7
130°	1849.8	1882.1	2011.1	2140.1	2011.1	1882.1	1849.8	1634.3	1346.9	1203.2	1121.5
132.5°	1776.5	1805.3	1920.9	2036.4	1920.9	1805.3	1776.5	1583.5	1326.2	1197.6	1122.7
135°	1672.8	1697.7	1797.3	1896.9	1797.3	1697.7	1672.8	1511.2	1295.8	1188.0	1121.6
137.5°	1596.3	1616.7	1698.2	1779.7	1698.2	1616.7	1596.3	1459.7	1277.5	1186.4	1128.5
140°	1534.9	1553.9	1630.2	1706.3	1630.2	1553.9	1534.9	1416.9	1259.6	1180.9	1129.7
142.5°	1491.8	1508.2	1573.7	1639.3	1573.7	1508.2	1491.8	1388.2	1249.9	1180.9	1133.7
145°	1427.3	1439.7	1489.3	1538.8	1489.3	1439.7	1427.3	1342.5	1229.4	1172.9	1133.7
147.5°	1373.1	1383.3	1424.4	1465.5	1424.4	1383.3	1373.1	1306.3	1217.4	1172.9	1141.5
150°	1342.0	1350.3	1383.6	1416.9	1383.6	1350.3	1342.0	1285.6	1210.4	1172.9	1145.6
152.5°	1317.2	1323.6	1348.7	1373.8	1348.7	1323.6	1317.2	1269.1	1205.0	1172.9	1148.2
155°	1287.7	1291.9	1308.5	1325.2	1308.5	1291.9	1287.7	1249.5	1198.4	1172.9	1154.1
157.5°	1262.2	1265.1	1276.8	1288.5	1276.8	1265.1	1262.2	1232.4	1192.7	1172.9	1159.9
160°	1249.4	1251.1	1257.8	1264.6	1257.8	1251.1	1249.4	1223.9	1189.9	1172.9	1162.6
162.5°	1237.5	1239.1	1245.5	1251.9	1245.5	1239.1	1237.5	1215.9	1187.2	1172.9	1165.4
165°	1219.1	1220.8	1227.5	1234.3	1227.5	1220.8	1219.1	1203.7	1183.2	1172.9	1169.5
167.5°	1211.1	1211.8	1214.7	1217.5	1214.7	1211.8	1211.1	1201.0	1187.6	1180.9	1178.0
170°	1211.1	1211.1	1211.1	1211.1	1211.1	1211.1	1211.1	1201.0	1187.6	1180.9	1180.7
172.5°	1204.8	1204.2	1201.7	1199.2	1201.7	1204.2	1204.8	1196.8	1186.2	1180.9	1180.9
175°	1196.0	1196.0	1196.0	1196.0	1196.0	1196.0	1196.0	1191.0	1184.3	1180.9	1182.5
177.5°	1194.4	1193.7	1190.9	1188.0	1190.9	1193.7	1194.4	1190.4	1185.1	1182.5	1183.7
180°	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0



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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°	35.1	22.3	20.7	14.4	8.0
92.5°	216.4	153.9	140.4	86.1	31.9
95°	532.4	299.8	275.0	175.8	76.5
97.5°	717.1	329.3	307.5	219.9	132.4
100°	784.3	354.0	334.2	254.8	175.4
102.5°	815.2	378.8	360.2	286.1	212.1
105°	838.0	415.4	399.7	337.0	274.3
107.5°	842.2	469.6	455.0	396.6	338.1
110°	835.9	500.0	486.8	434.0	381.2



TEST NUMBER: P935424

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	836.1	536.6	524.1	473.7	423.4
115°	843.8	591.6	580.0	533.6	487.2
117.5°	859.6	645.0	634.5	592.4	550.2
120°	872.3	676.1	666.2	626.5	586.8
122.5°	890.6	712.8	702.8	662.7	622.7
125°	915.3	759.8	750.8	714.3	677.8
127.5°	940.1	805.3	796.1	759.3	722.4
130°	958.1	835.6	825.7	786.0	746.3
132.5°	972.7	860.3	850.4	810.7	771.0
135°	988.7	889.0	880.0	843.8	807.7
137.5°	1012.6	925.7	916.8	881.0	845.2
140°	1027.3	950.4	942.2	909.2	876.3
142.5°	1039.4	968.7	961.1	930.7	900.2
145°	1055.4	996.7	990.1	963.4	936.9
147.5°	1078.8	1031.8	1025.3	999.5	973.6
150°	1091.0	1050.1	1044.3	1020.9	997.5
152.5°	1099.0	1062.1	1057.6	1039.9	1022.2
155°	1116.6	1088.4	1085.1	1072.0	1058.9
157.5°	1134.1	1114.7	1111.5	1098.7	1086.0
160°	1142.1	1126.7	1124.2	1114.3	1104.3
162.5°	1150.5	1139.4	1137.5	1130.1	1122.7
165°	1162.8	1157.8	1156.1	1149.4	1142.6
167.5°	1172.3	1168.1	1167.3	1164.1	1160.9
170°	1180.3	1180.1	1179.3	1176.1	1172.9
172.5°	1180.9	1180.9	1180.7	1179.9	1179.3
175°	1185.6	1188.0	1188.0	1188.0	1188.0
177.5°	1186.2	1188.0	1188.0	1188.0	1188.0
180°	1188.0	1188.0	1188.0	1188.0	1188.0



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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	7.79	8.48	8.92	9.60	11.17	10.63	11.31	11.76	12.44	14.00
	3H	8.25	8.87	9.39	10.00	11.58	11.96	12.57	13.10	13.71	15.29
	4H	8.43	9.02	9.59	10.15	11.74	12.40	12.98	13.55	14.11	15.70
	6H	8.54	9.08	9.70	10.22	11.82	12.68	13.21	13.83	14.35	15.95
	8H	8.54	9.05	9.70	10.20	11.79	12.75	13.26	13.91	14.41	16.00
	12H	8.51	8.99	9.67	10.13	11.75	12.78	13.26	13.94	14.41	16.02
4H	2H	8.80	9.38	9.96	10.52	12.10	11.01	11.60	12.17	12.73	14.32
	3H	9.81	10.30	10.97	11.46	13.06	12.50	12.99	13.67	14.15	15.75
	4H	10.08	10.53	11.25	11.67	13.29	13.03	13.47	14.19	14.62	16.24
	6H	10.20	10.58	11.37	11.75	13.36	13.38	13.77	14.55	14.94	16.55
	8H	10.20	10.55	11.37	11.72	13.34	13.49	13.84	14.66	15.01	16.63
	12H	10.16	10.48	11.34	11.65	13.28	13.54	13.86	14.72	15.03	16.66
8H	4H	10.52	10.88	11.69	12.04	13.67	13.14	13.49	14.31	14.66	16.28
	6H	10.77	11.07	11.96	12.27	13.90	13.57	13.86	14.76	15.07	16.69
	8H	10.82	11.07	12.01	12.25	13.90	13.72	13.98	14.91	15.16	16.80
	12H	10.79	11.02	11.99	12.20	13.87	13.81	14.04	15.01	15.22	16.89
12H	4H	10.52	10.84	11.70	12.02	13.65	13.09	13.42	14.28	14.59	16.22
	6H	10.83	11.09	12.03	12.27	13.92	13.56	13.82	14.76	15.00	16.65
	8H	10.89	11.12	12.09	12.30	13.97	13.72	13.94	14.92	15.12	16.80