

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: P934855

Luminaire Tested: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934855
REPORT IS A COMBINATION OF REPORTS P933713 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-12-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

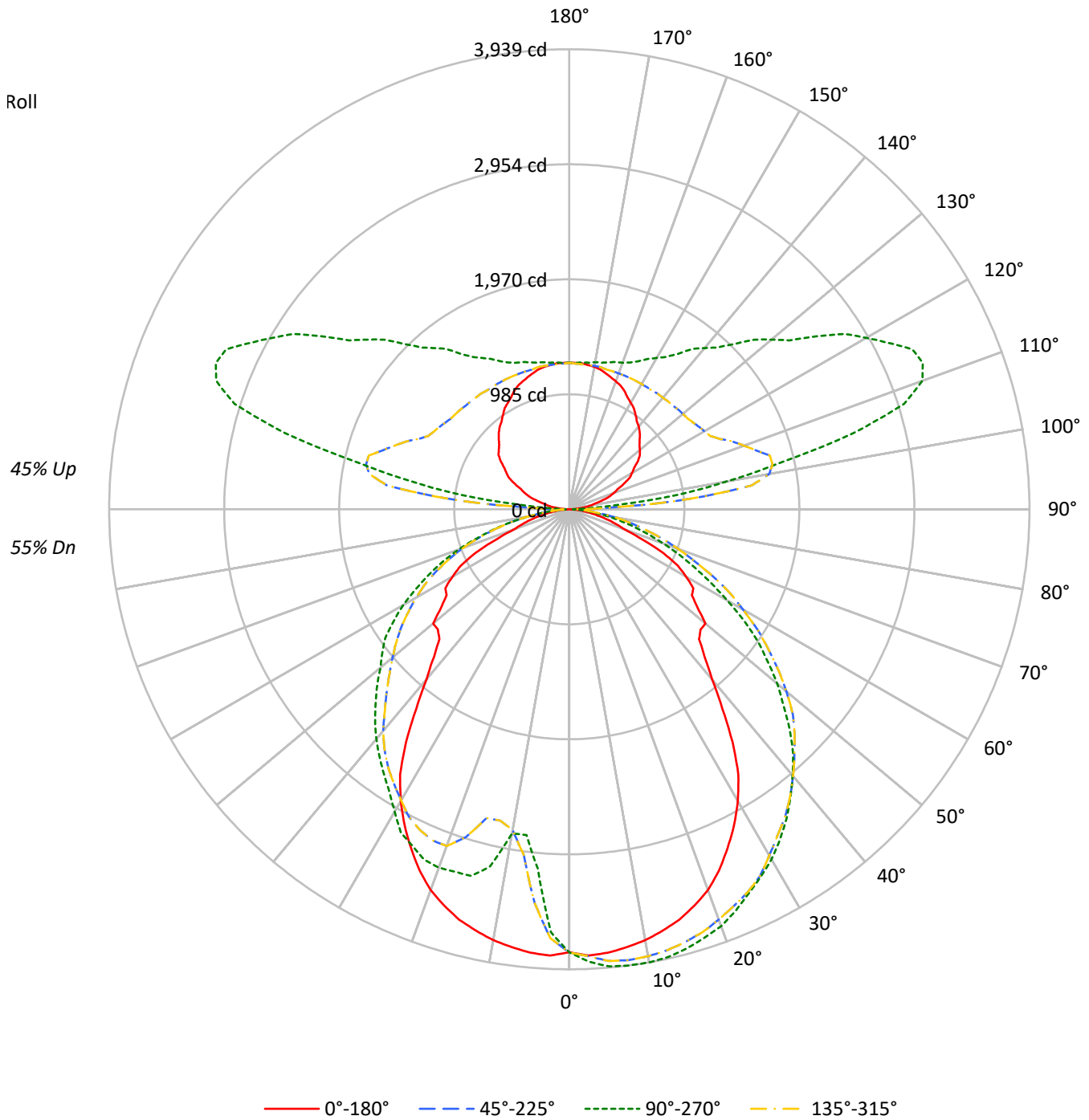
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17968.4 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 153.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P934855
CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-12-4000K

Luminous Intensity Polar Plot





TEST NUMBER: P934855

CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-12-4000K

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	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60	55
1	99	95	91	87	92	88	85	82	76	73	71	64	62	61	54	52	51	46
2	90	83	76	71	83	77	72	67	66	62	59	56	53	51	47	45	43	39
3	82	73	65	59	76	68	61	56	58	53	49	50	46	43	42	39	37	33
4	75	64	56	50	69	60	53	47	52	46	42	44	40	37	37	34	32	28
5	69	57	49	43	64	54	46	41	46	41	36	40	35	32	34	30	28	24
6	64	51	43	37	59	48	41	35	42	36	32	36	31	28	30	27	24	21
7	59	46	38	33	54	43	36	31	38	32	28	33	28	25	28	24	21	19
8	55	42	34	29	51	39	32	27	35	29	25	30	25	22	25	22	19	17
9	51	38	31	26	47	36	29	25	32	26	22	27	23	20	24	20	17	15
10	47	35	28	23	44	33	26	22	29	24	20	25	21	18	22	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11730	11730	11730	11730
5°	11822	11841	11822	9310
10°	11747	11664	11747	8339
15°	11624	11411	11624	9528
20°	11385	11112	11385	9548
25°	10892	10675	10892	9346
30°	10253	10312	10253	8902
35°	9146	9854	9146	8414
40°	7625	9314	7625	8044
45°	6817	8682	6817	7620
50°	7248	7929	7248	7195
55°	6826	7117	6826	6948
60°	7045	6045	7045	6364
65°	6398	4997	6398	5585
70°	4441	3982	4441	4682
75°	3909	2944	3909	3525
80°	3174	1946	3174	2119
85°	1860	1031	1860	876

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10441 cd/sqm



TEST NUMBER: P934855

CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-12-4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.3	1.9
10°-20°	971.9	5.4
20°-30°	1502.5	8.4
30°-40°	1793.6	10.0
40°-50°	1804.1	10.0
50°-60°	1569.8	8.7
60°-70°	1113.0	6.2
70°-80°	588.8	3.3
80°-90°	151.4	0.8
90°-100°	611.4	3.4
100°-110°	1607.4	8.9
110°-120°	1666.7	9.3
120°-130°	1336.9	7.4
130°-140°	1049.0	5.8
140°-150°	805.1	4.5
150°-160°	579.8	3.2
160°-170°	354.8	2.0
170°-180°	119.9	0.7
0°-30°	2816.7	15.7
0°-40°	4610.3	25.7
0°-60°	7984.3	44.4
0°-90°	9837.6	54.7
90°-120°	3885.4	21.6
90°-150°	7076.4	39.4
90°-180°	8131.0	45.3
0°-180°	17968.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3792	3792	3792	3792	3792	
5°	3810	3929	3810	3089	3810	361
15°	3638	3893	3638	3250	3638	1024
25°	3204	3631	3204	3179	3204	1471
35°	2436	3240	2436	2766	2436	1507
45°	1572	2669	1572	2343	1572	1259
55°	1281	1970	1281	1923	1281	1177
65°	890	1188	890	1328	890	850
75°	337	563	337	674	337	355
85°	57	144	57	122	57	78
90°	8	32	8	32	8	9
95°	81	370	81	370	81	90
105°	290	2517	290	2517	290	307
115°	514	3241	514	3241	514	508
125°	716	2581	716	2581	716	635
135°	853	2003	853	2003	853	660
145°	989	1625	989	1625	989	620
155°	1118	1399	1118	1399	1118	514
165°	1206	1303	1206	1303	1206	340
175°	1254	1263	1254	1263	1254	119
180°	1254	1254	1254	1254	1254	



TEST NUMBER: P934855
 CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3
2.5°	3824.6	3824.6	3846.1	3853.3	3853.3	3842.5	3831.7	3842.5	3874.8	3885.6	3882.0
5°	3810.3	3839.0	3878.4	3885.6	3892.7	3889.2	3882.0	3889.2	3925.0	3932.2	3935.8
7.5°	3781.5	3835.3	3885.6	3896.4	3907.1	3896.4	3892.7	3900.0	3935.8	3943.0	3943.0
10°	3745.6	3821.0	3878.4	3885.6	3896.4	3885.6	3885.6	3900.0	3935.8	3943.0	3946.6
12.5°	3695.4	3799.5	3853.3	3860.5	3874.8	3871.2	3867.7	3882.0	3917.9	3925.0	3925.0
15°	3638.0	3760.0	3810.3	3817.4	3842.5	3835.3	3835.3	3849.7	3889.2	3900.0	3896.4
17.5°	3559.1	3709.8	3767.2	3778.0	3795.9	3792.3	3795.9	3810.3	3846.1	3853.3	3856.9
20°	3469.4	3641.6	3709.8	3720.6	3738.5	3738.5	3738.5	3756.4	3792.3	3806.7	3806.7
22.5°	3347.4	3569.9	3641.6	3648.8	3670.3	3670.3	3677.5	3702.6	3734.9	3738.5	3738.5
25°	3203.9	3490.9	3551.9	3573.5	3594.9	3605.7	3616.5	3630.9	3641.6	3638.0	3641.6
27.5°	3053.2	3390.5	3469.4	3483.8	3512.5	3523.2	3537.6	3541.2	3544.7	3555.5	3548.3
30°	2884.6	3250.5	3368.9	3383.3	3429.9	3437.1	3422.8	3429.9	3447.8	3455.1	3462.2
32.5°	2694.4	3042.4	3264.9	3297.1	3340.2	3318.7	3315.2	3325.9	3354.6	3354.6	3361.8
35°	2436.2	2881.0	3168.1	3196.8	3229.0	3203.9	3218.2	3221.8	3239.8	3250.5	3247.0
37.5°	2152.7	2741.1	3067.6	3089.1	3114.2	3081.9	3103.4	3114.2	3128.6	3121.4	3121.4
40°	1901.6	2522.2	2949.2	2963.5	2985.0	2960.0	2981.4	2988.7	2995.8	2988.7	2985.0
42.5°	1715.0	2281.8	2823.6	2841.6	2827.2	2845.1	2852.3	2866.6	2855.9	2841.6	2841.6
45°	1571.5	2217.3	2687.2	2708.8	2687.2	2715.9	2726.7	2726.7	2694.4	2687.2	2683.7
47.5°	1524.8	2088.1	2550.9	2550.9	2540.2	2576.0	2594.0	2568.8	2536.5	2525.9	2525.9
50°	1521.2	1944.6	2364.4	2350.0	2400.2	2443.3	2425.4	2400.2	2375.1	2335.7	2335.7
52.5°	1381.3	1768.8	2124.0	2177.8	2256.7	2281.8	2253.1	2228.1	2185.0	2167.0	2152.7
55°	1280.8	1585.8	1905.1	2012.7	2095.3	2127.6	2073.7	2048.7	1984.0	1973.3	1966.1
57.5°	1259.4	1320.3	1704.2	1840.6	1941.0	1937.4	1905.1	1858.5	1804.6	1793.9	1790.3
60°	1155.3	954.3	1488.9	1650.4	1754.5	1743.7	1715.0	1671.9	1621.7	1614.5	1607.3
62.5°	1047.6	692.4	1245.0	1428.0	1575.1	1571.5	1546.4	1481.7	1445.9	1428.0	1413.6
65°	889.8	581.2	886.2	1187.6	1399.2	1406.4	1352.6	1306.0	1266.5	1245.0	1241.3
67.5°	678.1	473.6	599.1	990.2	1230.7	1223.4	1155.3	1133.7	1083.5	1072.7	1051.3
70°	502.3	315.7	416.2	803.7	1065.6	1047.6	993.8	968.7	922.1	896.9	882.6
72.5°	416.2	254.7	304.9	624.3	896.9	875.4	828.8	800.1	760.6	739.1	724.8
75°	337.3	269.1	233.2	462.8	728.3	714.0	670.9	642.2	609.9	581.2	584.8
77.5°	247.6	251.2	186.6	340.9	577.7	556.1	531.0	495.1	480.7	452.0	452.0
80°	186.6	197.3	139.9	233.2	416.2	416.2	394.7	369.6	344.4	330.1	330.1
82.5°	125.5	125.5	104.0	147.1	283.4	272.6	258.3	251.2	236.8	229.6	229.6
85°	57.4	71.8	64.5	89.7	154.2	161.5	161.5	154.2	150.7	143.5	147.1
87.5°	17.9	32.3	39.5	50.2	78.9	82.6	86.1	86.1	86.1	89.7	89.7
90°	8.4	15.1	21.8	23.5	37.0	55.0	64.0	56.8	42.6	32.0	32.0
92.5°	33.7	90.9	148.2	162.5	228.4	316.3	360.3	315.7	226.7	159.9	153.6
95°	80.8	185.6	290.4	316.5	562.0	889.4	1053.1	939.7	713.0	542.9	523.6
97.5°	139.8	232.2	324.6	347.7	757.1	1302.9	1575.8	1504.1	1360.8	1253.4	1216.7
100°	185.2	269.0	352.8	373.7	828.0	1433.7	1736.6	1741.8	1752.3	1760.2	1716.5
102.5°	223.9	302.1	380.3	399.8	860.5	1474.9	1782.1	1873.3	2055.9	2192.8	2155.5
105°	289.6	355.8	422.0	438.6	884.7	1479.6	1777.0	1981.7	2391.0	2697.9	2677.8
107.5°	356.9	418.6	480.4	495.8	889.2	1413.8	1676.0	1961.5	2532.4	2960.5	2965.4
110°	402.3	458.1	513.9	527.8	882.4	1355.4	1591.8	1911.0	2549.2	3027.9	3048.8



TEST NUMBER: P934855

CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	447.0	500.1	553.2	566.5	882.8	1304.4	1515.2	1841.8	2495.1	2984.9	3017.1
115°	514.3	563.3	612.3	624.6	890.9	1246.0	1423.5	1738.1	2367.4	2839.3	2883.9
117.5°	580.8	625.4	669.8	681.0	907.4	1209.3	1360.3	1644.2	2212.1	2638.1	2687.6
120°	619.6	661.5	703.3	713.8	920.9	1197.0	1335.0	1594.4	2113.4	2502.6	2550.7
122.5°	657.4	699.7	742.0	752.6	940.3	1190.6	1315.7	1549.3	2016.6	2367.1	2414.5
125°	715.5	754.1	792.6	802.2	966.3	1185.2	1294.7	1493.2	1890.1	2187.8	2231.5
127.5°	762.7	801.6	840.5	850.2	992.5	1182.1	1277.0	1447.4	1788.2	2043.9	2080.7
130°	787.9	829.9	871.7	882.2	1011.5	1184.0	1270.2	1421.9	1725.3	1952.9	1986.9
132.5°	814.0	855.9	897.7	908.2	1026.9	1185.2	1264.3	1400.1	1671.7	1875.5	1906.0
135°	852.8	890.9	929.1	938.6	1043.8	1184.1	1254.3	1368.0	1595.4	1766.1	1792.3
137.5°	892.3	930.1	967.9	977.3	1069.1	1191.4	1252.6	1348.7	1541.0	1685.2	1706.8
140°	925.1	959.8	994.7	1003.4	1084.5	1192.6	1246.7	1329.8	1495.9	1620.4	1640.5
142.5°	950.3	982.6	1014.7	1022.7	1097.4	1196.9	1246.7	1319.6	1465.5	1575.0	1592.3
145°	989.1	1017.1	1045.2	1052.2	1114.3	1196.9	1238.3	1297.9	1417.3	1506.8	1519.9
147.5°	1027.8	1055.1	1082.5	1089.3	1139.0	1205.1	1238.3	1285.2	1379.1	1449.5	1460.4
150°	1053.1	1077.8	1102.5	1108.6	1151.8	1209.5	1238.3	1277.9	1357.2	1416.7	1425.4
152.5°	1079.1	1097.9	1116.5	1121.2	1160.2	1212.3	1238.3	1272.1	1339.8	1390.6	1397.2
155°	1117.9	1131.7	1145.6	1149.0	1178.8	1218.4	1238.3	1265.2	1319.1	1359.5	1363.9
157.5°	1146.5	1160.0	1173.5	1176.8	1197.3	1224.6	1238.3	1259.2	1301.1	1332.5	1335.6
160°	1165.8	1176.3	1186.8	1189.5	1205.8	1227.4	1238.3	1256.2	1292.1	1319.1	1320.9
162.5°	1185.2	1193.1	1200.9	1202.9	1214.6	1230.4	1238.3	1253.4	1283.7	1306.4	1308.1
165°	1206.3	1213.4	1220.4	1222.2	1227.6	1234.7	1238.3	1249.1	1270.8	1287.0	1288.9
167.5°	1225.6	1228.9	1232.4	1233.2	1237.7	1243.7	1246.7	1253.7	1267.9	1278.6	1279.4
170°	1238.3	1241.6	1245.0	1245.9	1246.1	1246.5	1246.7	1253.7	1267.9	1278.6	1278.6
172.5°	1245.0	1245.7	1246.5	1246.7	1246.7	1246.7	1246.7	1252.3	1263.5	1271.9	1271.3
175°	1254.3	1254.3	1254.3	1254.3	1251.7	1248.4	1246.7	1250.2	1257.4	1262.7	1262.7
177.5°	1254.3	1254.3	1254.3	1254.3	1252.3	1249.7	1248.4	1251.2	1256.8	1261.0	1260.3
180°	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3



TEST NUMBER: P934855

CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3
2.5°	3889.2	3878.4	3889.2	3882.0	3885.6	3874.8	3842.5	3831.7	3842.5	3853.3	3853.3
5°	3935.8	3928.7	3935.8	3935.8	3932.2	3925.0	3889.2	3882.0	3889.2	3892.7	3885.6
7.5°	3950.1	3939.4	3950.1	3943.0	3943.0	3935.8	3900.0	3892.7	3896.4	3907.1	3896.4
10°	3950.1	3939.4	3950.1	3946.6	3943.0	3935.8	3900.0	3885.6	3885.6	3896.4	3885.6
12.5°	3932.2	3925.0	3932.2	3925.0	3925.0	3917.9	3882.0	3867.7	3871.2	3874.8	3860.5
15°	3903.5	3892.7	3903.5	3896.4	3900.0	3889.2	3849.7	3835.3	3835.3	3842.5	3817.4
17.5°	3860.5	3846.1	3860.5	3856.9	3853.3	3846.1	3810.3	3795.9	3792.3	3795.9	3778.0
20°	3810.3	3799.5	3810.3	3806.7	3806.7	3792.3	3756.4	3738.5	3738.5	3738.5	3720.6
22.5°	3731.3	3720.6	3731.3	3738.5	3738.5	3734.9	3702.6	3677.5	3670.3	3670.3	3648.8
25°	3641.6	3630.9	3641.6	3641.6	3638.0	3641.6	3630.9	3616.5	3605.7	3594.9	3573.5
27.5°	3555.5	3548.3	3555.5	3548.3	3555.5	3544.7	3541.2	3537.6	3523.2	3512.5	3483.8
30°	3469.4	3462.2	3469.4	3462.2	3455.1	3447.8	3429.9	3422.8	3437.1	3429.9	3383.3
32.5°	3361.8	3354.6	3361.8	3361.8	3354.6	3354.6	3325.9	3315.2	3318.7	3340.2	3297.1
35°	3250.5	3239.8	3250.5	3247.0	3250.5	3239.8	3221.8	3218.2	3203.9	3229.0	3196.8
37.5°	3121.4	3110.6	3121.4	3121.4	3121.4	3128.6	3114.2	3103.4	3081.9	3114.2	3089.1
40°	2988.7	2974.3	2988.7	2985.0	2988.7	2995.8	2988.7	2981.4	2960.0	2985.0	2963.5
42.5°	2838.0	2834.3	2838.0	2841.6	2841.6	2855.9	2866.6	2852.3	2845.1	2827.2	2841.6
45°	2676.5	2669.3	2676.5	2683.7	2687.2	2694.4	2726.7	2726.7	2715.9	2687.2	2708.8
47.5°	2504.3	2486.4	2504.3	2525.9	2525.9	2536.5	2568.8	2594.0	2576.0	2540.2	2550.9
50°	2321.3	2324.9	2321.3	2335.7	2335.7	2375.1	2400.2	2425.4	2443.3	2400.2	2350.0
52.5°	2141.9	2138.4	2141.9	2152.7	2167.0	2185.0	2228.1	2253.1	2281.8	2256.7	2177.8
55°	1962.5	1969.7	1962.5	1966.1	1973.3	1984.0	2048.7	2073.7	2127.6	2095.3	2012.7
57.5°	1783.2	1772.4	1783.2	1790.3	1793.9	1804.6	1858.5	1905.1	1937.4	1941.0	1840.6
60°	1575.1	1560.7	1575.1	1607.3	1614.5	1621.7	1671.9	1715.0	1743.7	1754.5	1650.4
62.5°	1392.0	1367.0	1392.0	1413.6	1428.0	1445.9	1481.7	1546.4	1571.5	1575.1	1428.0
65°	1198.3	1187.6	1198.3	1241.3	1245.0	1266.5	1306.0	1352.6	1406.4	1399.2	1187.6
67.5°	1022.6	1022.6	1022.6	1051.3	1072.7	1083.5	1133.7	1155.3	1223.4	1230.7	990.2
70°	861.1	857.5	861.1	882.6	896.9	922.1	968.7	993.8	1047.6	1065.6	803.7
72.5°	706.8	703.2	706.8	724.8	739.1	760.6	800.1	828.8	875.4	896.9	624.3
75°	570.4	563.3	570.4	584.8	581.2	609.9	642.2	670.9	714.0	728.3	462.8
77.5°	437.7	437.7	437.7	452.0	452.0	480.7	495.1	531.0	556.1	577.7	340.9
80°	326.5	322.9	326.5	330.1	330.1	344.4	369.6	394.7	416.2	416.2	233.2
82.5°	229.6	222.4	229.6	229.6	229.6	236.8	251.2	258.3	272.6	283.4	147.1
85°	143.5	143.5	143.5	147.1	143.5	150.7	154.2	161.5	161.5	154.2	89.7
87.5°	93.3	89.7	93.3	89.7	89.7	86.1	86.1	86.1	82.6	78.9	50.2
90°	32.0	32.0	32.0	32.0	32.0	42.6	56.8	64.0	55.0	37.0	23.5
92.5°	128.2	102.7	128.2	153.6	159.9	226.7	315.7	360.3	316.3	228.4	162.5
95°	446.6	369.6	446.6	523.6	542.9	713.0	939.7	1053.1	889.4	562.0	316.5
97.5°	1070.1	923.4	1070.1	1216.7	1253.4	1360.8	1504.1	1575.8	1302.9	757.1	347.7
100°	1541.8	1367.1	1541.8	1716.5	1760.2	1752.3	1741.8	1736.6	1433.7	828.0	373.7
102.5°	2005.7	1856.1	2005.7	2155.5	2192.8	2055.9	1873.3	1782.1	1474.9	860.5	399.8
105°	2597.4	2516.9	2597.4	2677.8	2697.9	2391.0	1981.7	1777.0	1479.6	884.7	438.6
107.5°	2984.9	3004.3	2984.9	2965.4	2960.5	2532.4	1961.5	1676.0	1413.8	889.2	495.8
110°	3132.6	3216.4	3132.6	3048.8	3027.9	2549.2	1911.0	1591.8	1355.4	882.4	527.8



TEST NUMBER: P934855

CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3145.8	3274.5	3145.8	3017.1	2984.9	2495.1	1841.8	1515.2	1304.4	882.8	566.5
115°	3062.3	3240.8	3062.3	2883.9	2839.3	2367.4	1738.1	1423.5	1246.0	890.9	624.6
117.5°	2885.5	3083.4	2885.5	2687.6	2638.1	2212.1	1644.2	1360.3	1209.3	907.4	681.0
120°	2743.0	2935.3	2743.0	2550.7	2502.6	2113.4	1594.4	1335.0	1197.0	920.9	713.8
122.5°	2604.1	2793.9	2604.1	2414.5	2367.1	2016.6	1549.3	1315.7	1190.6	940.3	752.6
125°	2406.2	2580.9	2406.2	2231.5	2187.8	1890.1	1493.2	1294.7	1185.2	966.3	802.2
127.5°	2228.1	2375.5	2228.1	2080.7	2043.9	1788.2	1447.4	1277.0	1182.1	992.5	850.2
130°	2123.1	2259.4	2123.1	1986.9	1952.9	1725.3	1421.9	1270.2	1184.0	1011.5	882.2
132.5°	2027.9	2149.9	2027.9	1906.0	1875.5	1671.7	1400.1	1264.3	1185.2	1026.9	908.2
135°	1897.5	2002.6	1897.5	1792.3	1766.1	1595.4	1368.0	1254.3	1184.1	1043.8	938.6
137.5°	1792.8	1878.8	1792.8	1706.8	1685.2	1541.0	1348.7	1252.6	1191.4	1069.1	977.3
140°	1721.0	1801.4	1721.0	1640.5	1620.4	1495.9	1329.8	1246.7	1192.6	1084.5	1003.4
142.5°	1661.5	1730.7	1661.5	1592.3	1575.0	1465.5	1319.6	1246.7	1196.9	1097.4	1022.7
145°	1572.3	1624.6	1572.3	1519.9	1506.8	1417.3	1297.9	1238.3	1196.9	1114.3	1052.2
147.5°	1503.7	1547.2	1503.7	1460.4	1449.5	1379.1	1285.2	1238.3	1205.1	1139.0	1089.3
150°	1460.7	1495.9	1460.7	1425.4	1416.7	1357.2	1277.9	1238.3	1209.5	1151.8	1108.6
152.5°	1423.8	1450.3	1423.8	1397.2	1390.6	1339.8	1272.1	1238.3	1212.3	1160.2	1121.2
155°	1381.5	1399.0	1381.5	1363.9	1359.5	1319.1	1265.2	1238.3	1218.4	1178.8	1149.0
157.5°	1348.0	1360.3	1348.0	1335.6	1332.5	1301.1	1259.2	1238.3	1224.6	1197.3	1176.8
160°	1328.0	1335.0	1328.0	1320.9	1319.1	1292.1	1256.2	1238.3	1227.4	1205.8	1189.5
162.5°	1314.8	1321.6	1314.8	1308.1	1306.4	1283.7	1253.4	1238.3	1230.4	1214.6	1202.9
165°	1295.9	1303.1	1295.9	1288.9	1287.0	1270.8	1249.1	1238.3	1234.7	1227.6	1222.2
167.5°	1282.4	1285.4	1282.4	1279.4	1278.6	1267.9	1253.7	1246.7	1243.7	1237.7	1233.2
170°	1278.6	1278.6	1278.6	1278.6	1278.6	1267.9	1253.7	1246.7	1246.5	1246.1	1245.9
172.5°	1268.7	1266.0	1268.7	1271.3	1271.9	1263.5	1252.3	1246.7	1246.7	1246.7	1246.7
175°	1262.7	1262.7	1262.7	1262.7	1262.7	1257.4	1250.2	1246.7	1248.4	1251.7	1254.3
177.5°	1257.3	1254.3	1257.3	1260.3	1261.0	1256.8	1251.2	1248.4	1249.7	1252.3	1254.3
180°	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3



TEST NUMBER: P934855

CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3
2.5°	3846.1	3824.6	3824.6	3788.7	3774.3	3763.6	3745.6	3691.9	3677.5	3663.1	3684.6
5°	3878.4	3839.0	3810.3	3745.6	3691.9	3670.3	3602.2	3473.0	3386.8	3322.3	3286.5
7.5°	3885.6	3835.3	3781.5	3681.1	3551.9	3494.6	3286.5	3049.7	2985.0	2927.7	2891.7
10°	3878.4	3821.0	3745.6	3594.9	3290.0	3189.5	2981.4	2827.2	2787.7	2776.9	2787.7
12.5°	3853.3	3799.5	3695.4	3444.3	3017.4	2949.2	2827.2	2737.5	2730.3	2748.2	2845.1
15°	3810.3	3760.0	3638.0	3243.4	2866.6	2816.4	2730.3	2698.0	2737.5	2863.0	3153.7
17.5°	3767.2	3709.8	3559.1	3046.0	2751.9	2715.9	2654.9	2719.6	2942.0	3110.6	3207.5
20°	3709.8	3641.6	3469.4	2902.5	2669.3	2637.0	2608.3	2899.0	3067.6	3128.6	3182.4
22.5°	3641.6	3569.9	3347.4	2802.1	2583.2	2558.1	2576.0	2999.4	3067.6	3110.6	3157.3
25°	3551.9	3490.9	3203.9	2723.2	2515.1	2486.4	2554.5	2988.7	3028.1	3038.9	3132.1
27.5°	3469.4	3390.5	3053.2	2651.4	2432.5	2421.8	2572.5	2942.0	2970.7	2981.4	3081.9
30°	3368.9	3250.5	2884.6	2576.0	2346.4	2342.8	2576.0	2884.6	2877.4	2906.1	3006.6
32.5°	3264.9	3042.4	2694.4	2482.8	2263.9	2260.3	2550.9	2798.5	2791.3	2830.8	2906.1
35°	3168.1	2881.0	2436.2	2375.1	2159.9	2163.4	2489.9	2698.0	2701.6	2737.5	2784.1
37.5°	3067.6	2741.1	2152.7	2256.7	2059.4	2059.4	2407.4	2604.8	2597.5	2608.3	2672.9
40°	2949.2	2522.2	1901.6	2102.4	1966.1	1955.3	2307.0	2504.3	2479.1	2475.6	2565.3
42.5°	2823.6	2281.8	1715.0	1897.9	1858.5	1844.1	2185.0	2382.3	2335.7	2346.4	2461.2
45°	2687.2	2217.3	1571.5	1603.8	1747.2	1736.5	2052.2	2242.4	2210.0	2238.8	2357.2
47.5°	2550.9	2088.1	1524.8	1331.0	1628.8	1625.3	1905.1	2106.0	2088.1	2116.8	2242.4
50°	2364.4	1944.6	1521.2	1141.0	1496.1	1510.4	1729.3	1973.3	1973.3	1998.4	2131.1
52.5°	2124.0	1768.8	1381.3	1033.2	1341.8	1384.9	1575.1	1858.5	1865.6	1890.8	2009.2
55°	1905.1	1585.8	1280.8	950.8	1158.9	1252.1	1424.4	1740.1	1754.5	1779.5	1887.2
57.5°	1704.2	1320.3	1259.4	853.9	990.2	1079.9	1291.6	1625.3	1632.5	1654.0	1758.0
60°	1488.9	954.3	1155.3	749.8	843.2	911.3	1169.6	1488.9	1514.1	1528.4	1618.1
62.5°	1245.0	692.4	1047.6	678.1	771.4	785.8	1069.2	1359.7	1392.0	1402.8	1456.7
65°	886.2	581.2	889.8	617.1	696.1	699.6	961.6	1227.0	1255.7	1273.7	1313.1
67.5°	599.1	473.6	678.1	559.7	638.6	642.2	857.5	1072.7	1112.2	1126.6	1151.7
70°	416.2	315.7	502.3	498.7	574.1	581.2	746.3	932.9	968.7	979.5	993.8
72.5°	304.9	254.7	416.2	448.5	505.9	513.0	631.4	775.0	810.8	821.6	828.8
75°	233.2	269.1	337.3	391.0	430.5	434.1	516.7	631.4	656.6	663.8	667.3
77.5°	186.6	251.2	247.6	315.7	351.6	344.4	405.4	488.0	509.4	509.4	509.4
80°	139.9	197.3	186.6	226.0	258.3	251.2	290.6	348.0	355.2	362.3	358.8
82.5°	104.0	125.5	125.5	143.5	172.3	165.0	193.7	226.0	226.0	226.0	233.2
85°	64.5	71.8	57.4	75.3	96.9	93.3	107.6	122.0	125.5	125.5	118.4
87.5°	39.5	32.3	17.9	28.7	43.1	43.1	50.2	53.9	50.2	50.2	50.2
90°	21.8	15.1	8.4	15.1	21.8	23.5	37.0	55.0	64.0	56.8	42.6
92.5°	148.2	90.9	33.7	90.9	148.2	162.5	228.4	316.3	360.3	315.7	226.7
95°	290.4	185.6	80.8	185.6	290.4	316.5	562.0	889.4	1053.1	939.7	713.0
97.5°	324.6	232.2	139.8	232.2	324.6	347.7	757.1	1302.9	1575.8	1504.1	1360.8
100°	352.8	269.0	185.2	269.0	352.8	373.7	828.0	1433.7	1736.6	1741.8	1752.3
102.5°	380.3	302.1	223.9	302.1	380.3	399.8	860.5	1474.9	1782.1	1873.3	2055.9
105°	422.0	355.8	289.6	355.8	422.0	438.6	884.7	1479.6	1777.0	1981.7	2391.0
107.5°	480.4	418.6	356.9	418.6	480.4	495.8	889.2	1413.8	1676.0	1961.5	2532.4
110°	513.9	458.1	402.3	458.1	513.9	527.8	882.4	1355.4	1591.8	1911.0	2549.2



TEST NUMBER: P934855

CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	553.2	500.1	447.0	500.1	553.2	566.5	882.8	1304.4	1515.2	1841.8	2495.1
115°	612.3	563.3	514.3	563.3	612.3	624.6	890.9	1246.0	1423.5	1738.1	2367.4
117.5°	669.8	625.4	580.8	625.4	669.8	681.0	907.4	1209.3	1360.3	1644.2	2212.1
120°	703.3	661.5	619.6	661.5	703.3	713.8	920.9	1197.0	1335.0	1594.4	2113.4
122.5°	742.0	699.7	657.4	699.7	742.0	752.6	940.3	1190.6	1315.7	1549.3	2016.6
125°	792.6	754.1	715.5	754.1	792.6	802.2	966.3	1185.2	1294.7	1493.2	1890.1
127.5°	840.5	801.6	762.7	801.6	840.5	850.2	992.5	1182.1	1277.0	1447.4	1788.2
130°	871.7	829.9	787.9	829.9	871.7	882.2	1011.5	1184.0	1270.2	1421.9	1725.3
132.5°	897.7	855.9	814.0	855.9	897.7	908.2	1026.9	1185.2	1264.3	1400.1	1671.7
135°	929.1	890.9	852.8	890.9	929.1	938.6	1043.8	1184.1	1254.3	1368.0	1595.4
137.5°	967.9	930.1	892.3	930.1	967.9	977.3	1069.1	1191.4	1252.6	1348.7	1541.0
140°	994.7	959.8	925.1	959.8	994.7	1003.4	1084.5	1192.6	1246.7	1329.8	1495.9
142.5°	1014.7	982.6	950.3	982.6	1014.7	1022.7	1097.4	1196.9	1246.7	1319.6	1465.5
145°	1045.2	1017.1	989.1	1017.1	1045.2	1052.2	1114.3	1196.9	1238.3	1297.9	1417.3
147.5°	1082.5	1055.1	1027.8	1055.1	1082.5	1089.3	1139.0	1205.1	1238.3	1285.2	1379.1
150°	1102.5	1077.8	1053.1	1077.8	1102.5	1108.6	1151.8	1209.5	1238.3	1277.9	1357.2
152.5°	1116.5	1097.9	1079.1	1097.9	1116.5	1121.2	1160.2	1212.3	1238.3	1272.1	1339.8
155°	1145.6	1131.7	1117.9	1131.7	1145.6	1149.0	1178.8	1218.4	1238.3	1265.2	1319.1
157.5°	1173.5	1160.0	1146.5	1160.0	1173.5	1176.8	1197.3	1224.6	1238.3	1259.2	1301.1
160°	1186.8	1176.3	1165.8	1176.3	1186.8	1189.5	1205.8	1227.4	1238.3	1256.2	1292.1
162.5°	1200.9	1193.1	1185.2	1193.1	1200.9	1202.9	1214.6	1230.4	1238.3	1253.4	1283.7
165°	1220.4	1213.4	1206.3	1213.4	1220.4	1222.2	1227.6	1234.7	1238.3	1249.1	1270.8
167.5°	1232.4	1228.9	1225.6	1228.9	1232.4	1233.2	1237.7	1243.7	1246.7	1253.7	1267.9
170°	1245.0	1241.6	1238.3	1241.6	1245.0	1245.9	1246.1	1246.5	1246.7	1253.7	1267.9
172.5°	1246.5	1245.7	1245.0	1245.7	1246.5	1246.7	1246.7	1246.7	1246.7	1252.3	1263.5
175°	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1251.7	1248.4	1246.7	1250.2	1257.4
177.5°	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1252.3	1249.7	1248.4	1251.2	1256.8
180°	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3



TEST NUMBER: P934855
 CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3
2.5°	3659.6	3648.8	3663.1	3623.6	3663.1	3648.8	3659.6	3684.6	3663.1	3677.5	3691.9
5°	3211.1	3193.1	3135.7	3089.1	3135.7	3193.1	3211.1	3286.5	3322.3	3386.8	3473.0
7.5°	2870.3	2855.9	2841.6	2812.8	2841.6	2855.9	2870.3	2891.7	2927.7	2985.0	3049.7
10°	2794.9	2798.5	2820.0	2816.4	2820.0	2798.5	2794.9	2787.7	2776.9	2787.7	2827.2
12.5°	2988.7	3020.9	3139.3	3132.1	3139.3	3020.9	2988.7	2845.1	2748.2	2730.3	2737.5
15°	3211.1	3221.8	3247.0	3250.5	3247.0	3221.8	3211.1	3153.7	2863.0	2737.5	2698.0
17.5°	3232.6	3236.2	3254.1	3254.1	3254.1	3236.2	3232.6	3207.5	3110.6	2942.0	2719.6
20°	3214.7	3221.8	3257.7	3264.9	3257.7	3221.8	3214.7	3182.4	3128.6	3067.6	2899.0
22.5°	3207.5	3221.8	3250.5	3247.0	3250.5	3221.8	3207.5	3157.3	3110.6	3067.6	2999.4
25°	3171.6	3171.6	3175.2	3178.7	3175.2	3171.6	3171.6	3132.1	3038.9	3028.1	2988.7
27.5°	3096.3	3103.4	3125.0	3121.4	3125.0	3103.4	3096.3	3081.9	2981.4	2970.7	2942.0
30°	3028.1	3020.9	3003.0	2988.7	3003.0	3020.9	3028.1	3006.6	2906.1	2877.4	2884.6
32.5°	2913.3	2895.3	2877.4	2866.6	2877.4	2895.3	2913.3	2906.1	2830.8	2791.3	2798.5
35°	2776.9	2780.6	2776.9	2766.2	2776.9	2780.6	2776.9	2784.1	2737.5	2701.6	2698.0
37.5°	2680.1	2687.2	2683.7	2669.3	2683.7	2687.2	2680.1	2672.9	2608.3	2597.5	2604.8
40°	2579.6	2583.2	2579.6	2568.8	2579.6	2583.2	2579.6	2565.3	2475.6	2479.1	2504.3
42.5°	2482.8	2479.1	2468.4	2461.2	2468.4	2479.1	2482.8	2461.2	2346.4	2335.7	2382.3
45°	2371.5	2375.1	2353.6	2342.8	2353.6	2375.1	2371.5	2357.2	2238.8	2210.0	2242.4
47.5°	2260.3	2260.3	2242.4	2231.6	2242.4	2260.3	2260.3	2242.4	2116.8	2088.1	2106.0
50°	2141.9	2138.4	2113.2	2109.7	2113.2	2138.4	2141.9	2131.1	1998.4	1973.3	1973.3
52.5°	2005.6	2005.6	2009.2	2016.3	2009.2	2005.6	2005.6	2009.2	1890.8	1865.6	1858.5
55°	1887.2	1890.8	1915.9	1923.0	1915.9	1890.8	1887.2	1887.2	1779.5	1754.5	1740.1
57.5°	1765.2	1765.2	1783.2	1783.2	1783.2	1765.2	1765.2	1758.0	1654.0	1632.5	1625.3
60°	1625.3	1632.5	1646.8	1643.2	1646.8	1632.5	1625.3	1618.1	1528.4	1514.1	1488.9
62.5°	1478.1	1485.4	1488.9	1481.7	1488.9	1485.4	1478.1	1456.7	1402.8	1392.0	1359.7
65°	1323.9	1331.0	1334.7	1327.5	1334.7	1331.0	1323.9	1313.1	1273.7	1255.7	1227.0
67.5°	1166.0	1162.4	1158.9	1173.2	1158.9	1162.4	1166.0	1151.7	1126.6	1112.2	1072.7
70°	1004.5	1004.5	1001.0	1008.2	1001.0	1004.5	1004.5	993.8	979.5	968.7	932.9
72.5°	832.4	828.8	843.2	832.4	843.2	828.8	832.4	828.8	821.6	810.8	775.0
75°	663.8	670.9	663.8	674.5	663.8	670.9	663.8	667.3	663.8	656.6	631.4
77.5°	505.9	513.0	505.9	505.9	505.9	513.0	505.9	509.4	509.4	509.4	488.0
80°	358.8	355.2	355.2	351.6	355.2	355.2	358.8	358.8	362.3	355.2	348.0
82.5°	229.6	226.0	226.0	233.2	226.0	226.0	229.6	233.2	226.0	226.0	226.0
85°	125.5	129.2	122.0	122.0	122.0	129.2	125.5	118.4	125.5	125.5	122.0
87.5°	46.6	43.1	43.1	43.1	43.1	43.1	46.6	50.2	50.2	50.2	53.9
90°	32.0	32.0	32.0	32.0	32.0	32.0	32.0	42.6	56.8	64.0	55.0
92.5°	159.9	153.6	128.2	102.7	128.2	153.6	159.9	226.7	315.7	360.3	316.3
95°	542.9	523.6	446.6	369.6	446.6	523.6	542.9	713.0	939.7	1053.1	889.4
97.5°	1253.4	1216.7	1070.1	923.4	1070.1	1216.7	1253.4	1360.8	1504.1	1575.8	1302.9
100°	1760.2	1716.5	1541.8	1367.1	1541.8	1716.5	1760.2	1752.3	1741.8	1736.6	1433.7
102.5°	2192.8	2155.5	2005.7	1856.1	2005.7	2155.5	2192.8	2055.9	1873.3	1782.1	1474.9
105°	2697.9	2677.8	2597.4	2516.9	2597.4	2677.8	2697.9	2391.0	1981.7	1777.0	1479.6
107.5°	2960.5	2965.4	2984.9	3004.3	2984.9	2965.4	2960.5	2532.4	1961.5	1676.0	1413.8
110°	3027.9	3048.8	3132.6	3216.4	3132.6	3048.8	3027.9	2549.2	1911.0	1591.8	1355.4



TEST NUMBER: P934855
 CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2984.9	3017.1	3145.8	3274.5	3145.8	3017.1	2984.9	2495.1	1841.8	1515.2	1304.4
115°	2839.3	2883.9	3062.3	3240.8	3062.3	2883.9	2839.3	2367.4	1738.1	1423.5	1246.0
117.5°	2638.1	2687.6	2885.5	3083.4	2885.5	2687.6	2638.1	2212.1	1644.2	1360.3	1209.3
120°	2502.6	2550.7	2743.0	2935.3	2743.0	2550.7	2502.6	2113.4	1594.4	1335.0	1197.0
122.5°	2367.1	2414.5	2604.1	2793.9	2604.1	2414.5	2367.1	2016.6	1549.3	1315.7	1190.6
125°	2187.8	2231.5	2406.2	2580.9	2406.2	2231.5	2187.8	1890.1	1493.2	1294.7	1185.2
127.5°	2043.9	2080.7	2228.1	2375.5	2228.1	2080.7	2043.9	1788.2	1447.4	1277.0	1182.1
130°	1952.9	1986.9	2123.1	2259.4	2123.1	1986.9	1952.9	1725.3	1421.9	1270.2	1184.0
132.5°	1875.5	1906.0	2027.9	2149.9	2027.9	1906.0	1875.5	1671.7	1400.1	1264.3	1185.2
135°	1766.1	1792.3	1897.5	2002.6	1897.5	1792.3	1766.1	1595.4	1368.0	1254.3	1184.1
137.5°	1685.2	1706.8	1792.8	1878.8	1792.8	1706.8	1685.2	1541.0	1348.7	1252.6	1191.4
140°	1620.4	1640.5	1721.0	1801.4	1721.0	1640.5	1620.4	1495.9	1329.8	1246.7	1192.6
142.5°	1575.0	1592.3	1661.5	1730.7	1661.5	1592.3	1575.0	1465.5	1319.6	1246.7	1196.9
145°	1506.8	1519.9	1572.3	1624.6	1572.3	1519.9	1506.8	1417.3	1297.9	1238.3	1196.9
147.5°	1449.5	1460.4	1503.7	1547.2	1503.7	1460.4	1449.5	1379.1	1285.2	1238.3	1205.1
150°	1416.7	1425.4	1460.7	1495.9	1460.7	1425.4	1416.7	1357.2	1277.9	1238.3	1209.5
152.5°	1390.6	1397.2	1423.8	1450.3	1423.8	1397.2	1390.6	1339.8	1272.1	1238.3	1212.3
155°	1359.5	1363.9	1381.5	1399.0	1381.5	1363.9	1359.5	1319.1	1265.2	1238.3	1218.4
157.5°	1332.5	1335.6	1348.0	1360.3	1348.0	1335.6	1332.5	1301.1	1259.2	1238.3	1224.6
160°	1319.1	1320.9	1328.0	1335.0	1328.0	1320.9	1319.1	1292.1	1256.2	1238.3	1227.4
162.5°	1306.4	1308.1	1314.8	1321.6	1314.8	1308.1	1306.4	1283.7	1253.4	1238.3	1230.4
165°	1287.0	1288.9	1295.9	1303.1	1295.9	1288.9	1287.0	1270.8	1249.1	1238.3	1234.7
167.5°	1278.6	1279.4	1282.4	1285.4	1282.4	1279.4	1278.6	1267.9	1253.7	1246.7	1243.7
170°	1278.6	1278.6	1278.6	1278.6	1278.6	1278.6	1278.6	1267.9	1253.7	1246.7	1246.5
172.5°	1271.9	1271.3	1268.7	1266.0	1268.7	1271.3	1271.9	1263.5	1252.3	1246.7	1246.7
175°	1262.7	1262.7	1262.7	1262.7	1262.7	1262.7	1262.7	1257.4	1250.2	1246.7	1248.4
177.5°	1261.0	1260.3	1257.3	1254.3	1257.3	1260.3	1261.0	1256.8	1251.2	1248.4	1249.7
180°	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3



TEST NUMBER: P934855

CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3792.3	3792.3	3792.3	3792.3	3792.3
2.5°	3745.6	3763.6	3774.3	3788.7	3824.6
5°	3602.2	3670.3	3691.9	3745.6	3810.3
7.5°	3286.5	3494.6	3551.9	3681.1	3781.5
10°	2981.4	3189.5	3290.0	3594.9	3745.6
12.5°	2827.2	2949.2	3017.4	3444.3	3695.4
15°	2730.3	2816.4	2866.6	3243.4	3638.0
17.5°	2654.9	2715.9	2751.9	3046.0	3559.1
20°	2608.3	2637.0	2669.3	2902.5	3469.4
22.5°	2576.0	2558.1	2583.2	2802.1	3347.4
25°	2554.5	2486.4	2515.1	2723.2	3203.9
27.5°	2572.5	2421.8	2432.5	2651.4	3053.2
30°	2576.0	2342.8	2346.4	2576.0	2884.6
32.5°	2550.9	2260.3	2263.9	2482.8	2694.4
35°	2489.9	2163.4	2159.9	2375.1	2436.2
37.5°	2407.4	2059.4	2059.4	2256.7	2152.7
40°	2307.0	1955.3	1966.1	2102.4	1901.6
42.5°	2185.0	1844.1	1858.5	1897.9	1715.0
45°	2052.2	1736.5	1747.2	1603.8	1571.5
47.5°	1905.1	1625.3	1628.8	1331.0	1524.8
50°	1729.3	1510.4	1496.1	1141.0	1521.2
52.5°	1575.1	1384.9	1341.8	1033.2	1381.3
55°	1424.4	1252.1	1158.9	950.8	1280.8
57.5°	1291.6	1079.9	990.2	853.9	1259.4
60°	1169.6	911.3	843.2	749.8	1155.3
62.5°	1069.2	785.8	771.4	678.1	1047.6
65°	961.6	699.6	696.1	617.1	889.8
67.5°	857.5	642.2	638.6	559.7	678.1
70°	746.3	581.2	574.1	498.7	502.3
72.5°	631.4	513.0	505.9	448.5	416.2
75°	516.7	434.1	430.5	391.0	337.3
77.5°	405.4	344.4	351.6	315.7	247.6
80°	290.6	251.2	258.3	226.0	186.6
82.5°	193.7	165.0	172.3	143.5	125.5
85°	107.6	93.3	96.9	75.3	57.4
87.5°	50.2	43.1	43.1	28.7	17.9
90°	37.0	23.5	21.8	15.1	8.4
92.5°	228.4	162.5	148.2	90.9	33.7
95°	562.0	316.5	290.4	185.6	80.8
97.5°	757.1	347.7	324.6	232.2	139.8
100°	828.0	373.7	352.8	269.0	185.2
102.5°	860.5	399.8	380.3	302.1	223.9
105°	884.7	438.6	422.0	355.8	289.6
107.5°	889.2	495.8	480.4	418.6	356.9
110°	882.4	527.8	513.9	458.1	402.3



TEST NUMBER: P934855

CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	882.8	566.5	553.2	500.1	447.0
115°	890.9	624.6	612.3	563.3	514.3
117.5°	907.4	681.0	669.8	625.4	580.8
120°	920.9	713.8	703.3	661.5	619.6
122.5°	940.3	752.6	742.0	699.7	657.4
125°	966.3	802.2	792.6	754.1	715.5
127.5°	992.5	850.2	840.5	801.6	762.7
130°	1011.5	882.2	871.7	829.9	787.9
132.5°	1026.9	908.2	897.7	855.9	814.0
135°	1043.8	938.6	929.1	890.9	852.8
137.5°	1069.1	977.3	967.9	930.1	892.3
140°	1084.5	1003.4	994.7	959.8	925.1
142.5°	1097.4	1022.7	1014.7	982.6	950.3
145°	1114.3	1052.2	1045.2	1017.1	989.1
147.5°	1139.0	1089.3	1082.5	1055.1	1027.8
150°	1151.8	1108.6	1102.5	1077.8	1053.1
152.5°	1160.2	1121.2	1116.5	1097.9	1079.1
155°	1178.8	1149.0	1145.6	1131.7	1117.9
157.5°	1197.3	1176.8	1173.5	1160.0	1146.5
160°	1205.8	1189.5	1186.8	1176.3	1165.8
162.5°	1214.6	1202.9	1200.9	1193.1	1185.2
165°	1227.6	1222.2	1220.4	1213.4	1206.3
167.5°	1237.7	1233.2	1232.4	1228.9	1225.6
170°	1246.1	1245.9	1245.0	1241.6	1238.3
172.5°	1246.7	1246.7	1246.5	1245.7	1245.0
175°	1251.7	1254.3	1254.3	1254.3	1254.3
177.5°	1252.3	1254.3	1254.3	1254.3	1254.3
180°	1254.3	1254.3	1254.3	1254.3	1254.3



TEST NUMBER: P934855
 CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-12-4000K

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	13.79	14.70	14.71	15.63	16.84	16.65	17.55	17.56	18.49	19.69
	3H	14.27	15.09	15.20	16.03	17.26	18.00	18.81	18.93	19.76	20.98
	4H	14.47	15.24	15.41	16.18	17.42	18.45	19.22	19.39	20.17	21.40
	6H	14.59	15.30	15.54	16.25	17.50	18.74	19.45	19.70	20.41	21.65
	8H	14.59	15.26	15.55	16.24	17.48	18.82	19.50	19.78	20.47	21.71
	12H	14.56	15.20	15.53	16.17	17.44	18.87	19.51	19.83	20.47	21.74
4H	2H	14.84	15.60	15.78	16.55	17.79	17.06	17.83	18.01	18.78	20.01
	3H	15.87	16.51	16.83	17.49	18.74	18.58	19.22	19.53	20.19	21.44
	4H	16.15	16.73	17.11	17.70	18.98	19.11	19.69	20.08	20.67	21.94
	6H	16.27	16.78	17.25	17.77	19.05	19.48	19.99	20.46	20.98	22.26
	8H	16.28	16.75	17.26	17.74	19.03	19.59	20.06	20.58	21.05	22.34
	12H	16.25	16.67	17.25	17.68	18.97	19.66	20.08	20.66	21.09	22.38
8H	4H	16.61	17.08	17.59	18.07	19.35	19.24	19.71	20.22	20.70	21.98
	6H	16.87	17.26	17.88	18.29	19.58	19.68	20.07	20.69	21.10	22.39
	8H	16.91	17.26	17.93	18.28	19.58	19.84	20.18	20.85	21.20	22.50
	12H	16.90	17.20	17.92	18.21	19.56	19.94	20.24	20.96	21.26	22.61
12H	4H	16.62	17.04	17.62	18.05	19.34	19.20	19.63	20.20	20.63	21.93
	6H	16.93	17.28	17.95	18.29	19.60	19.68	20.02	20.69	21.04	22.34
	8H	17.00	17.30	18.02	18.32	19.67	19.85	20.15	20.86	21.16	22.51