

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: P935367

Luminaire Tested: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-8-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935367
REPORT IS A COMBINATION OF REPORTS P933752 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-8-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

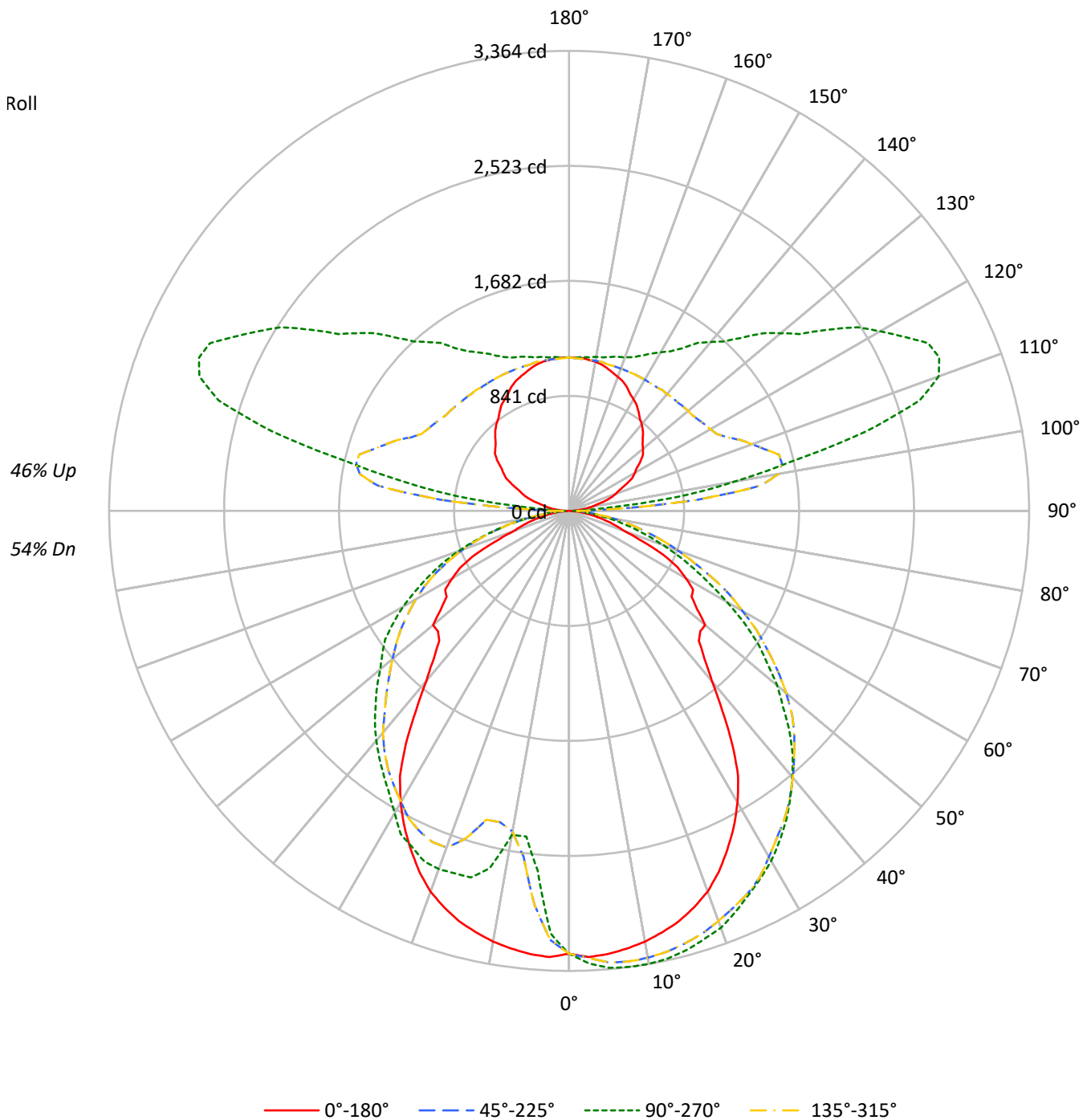
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15672.9 lumens
Efficiency: N/A
Efficacy: 113.9 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: General Diffuse

Input Watts (W): 137.6
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: P935367
CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-8-4000K

Luminous Intensity Polar Plot





TEST NUMBER: P935367

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-8-4000K

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	50	30	10	50	30	10	50	30	10	0				
RCR																															
0	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	54													
1	99	94	90	87	91	88	84	81	75	73	70	63	62	60	53	51	50	45													
2	90	82	76	71	83	77	71	67	66	62	58	56	53	50	46	44	42	38													
3	82	72	65	59	76	67	61	56	58	53	49	49	46	42	41	38	36	32													
4	75	64	56	50	69	60	53	47	51	46	42	44	40	36	37	34	31	28													
5	69	57	49	43	64	53	46	41	46	40	36	39	35	31	33	30	27	24													
6	63	51	43	37	59	48	41	35	41	36	31	35	31	28	30	26	24	21													
7	59	46	38	33	54	43	36	31	38	32	28	32	28	24	27	24	21	19													
8	54	42	34	29	50	39	32	27	34	29	24	29	25	22	25	22	19	17													
9	51	38	31	26	47	36	29	24	31	26	22	27	23	19	23	20	17	15													
10	47	35	28	23	44	33	26	22	29	23	20	25	21	18	21	18	15	13													

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15023	15023	15023	15023
5°	15135	15165	15135	11924
10°	15034	14938	15034	10680
15°	14870	14614	14870	12203
20°	14559	14231	14559	12229
25°	13923	13672	13923	11970
30°	13100	13207	13100	11401
35°	11679	12620	11679	10775
40°	9731	11929	9731	10303
45°	8695	11120	8695	9759
50°	9237	10155	9237	9215
55°	8691	9115	8691	8899
60°	8959	7742	8959	8151
65°	8122	6400	8122	7153
70°	5625	5100	5625	5996
75°	4931	3770	4931	4514
80°	3975	2492	3975	2714
85°	2282	1321	2282	1123

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13326 cd/sqm



TEST NUMBER: P935367

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-8-4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.3	1.9
10°-20°	829.9	5.3
20°-30°	1282.8	8.2
30°-40°	1531.4	9.8
40°-50°	1540.4	9.8
50°-60°	1340.3	8.6
60°-70°	950.3	6.1
70°-80°	502.8	3.2
80°-90°	129.5	0.8
90°-100°	546.9	3.5
100°-110°	1437.8	9.2
110°-120°	1490.9	9.5
120°-130°	1195.9	7.6
130°-140°	938.3	6.0
140°-150°	720.2	4.6
150°-160°	518.7	3.3
160°-170°	317.4	2.0
170°-180°	107.2	0.7
0°-30°	2405.0	15.3
0°-40°	3936.4	25.1
0°-60°	6817.1	43.5
0°-90°	8399.7	53.6
90°-120°	3475.6	22.2
90°-150°	6330.0	40.4
90°-180°	7273.0	46.4
0°-180°	15672.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3238	3238	3238	3238	3238	
5°	3253	3354	3253	2638	3253	309
15°	3106	3324	3106	2775	3106	874
25°	2736	3100	2736	2714	2736	1256
35°	2080	2766	2080	2362	2080	1287
45°	1342	2279	1342	2000	1342	1075
55°	1094	1682	1094	1642	1094	1005
65°	760	1014	760	1133	760	726
75°	288	481	288	576	288	303
85°	49	123	49	104	49	66
90°	8	29	8	29	8	8
95°	72	331	72	331	72	80
105°	259	2251	259	2251	259	275
115°	460	2899	460	2899	460	454
125°	640	2309	640	2309	640	568
135°	763	1791	763	1791	763	590
145°	885	1453	885	1453	885	554
155°	1000	1252	1000	1252	1000	459
165°	1079	1166	1079	1166	1079	305
175°	1122	1130	1122	1130	1122	107
180°	1122	1122	1122	1122	1122	



TEST NUMBER: P935367

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9
2.5°	3265.5	3265.5	3283.8	3290.0	3290.0	3280.8	3271.6	3280.8	3308.4	3317.6	3314.5
5°	3253.2	3277.8	3311.4	3317.6	3323.7	3320.7	3314.5	3320.7	3351.3	3357.4	3360.5
7.5°	3228.7	3274.7	3317.6	3326.7	3336.0	3326.7	3323.7	3329.8	3360.5	3366.6	3366.6
10°	3198.1	3262.5	3311.4	3317.6	3326.7	3317.6	3317.6	3329.8	3360.5	3366.6	3369.6
12.5°	3155.2	3244.0	3290.0	3296.1	3308.4	3305.3	3302.3	3314.5	3345.1	3351.3	3351.3
15°	3106.2	3210.3	3253.2	3259.4	3280.8	3274.7	3274.7	3286.9	3320.7	3329.8	3326.7
17.5°	3038.8	3167.4	3216.5	3225.6	3241.0	3237.9	3241.0	3253.2	3283.8	3290.0	3293.1
20°	2962.2	3109.2	3167.4	3176.7	3192.0	3192.0	3192.0	3207.3	3237.9	3250.2	3250.2
22.5°	2858.0	3048.0	3109.2	3115.4	3133.8	3133.8	3139.9	3161.4	3188.9	3192.0	3192.0
25°	2735.6	2980.6	3032.7	3051.0	3069.4	3078.6	3087.9	3100.1	3109.2	3106.2	3109.2
27.5°	2606.9	2894.8	2962.2	2974.4	2999.0	3008.2	3020.4	3023.5	3026.6	3035.7	3029.6
30°	2462.9	2775.4	2876.4	2888.7	2928.6	2934.6	2922.4	2928.6	2943.9	2950.0	2956.1
32.5°	2300.6	2597.7	2787.6	2815.2	2852.0	2833.6	2830.5	2839.7	2864.2	2864.2	2870.4
35°	2080.0	2459.9	2704.9	2729.4	2756.9	2735.6	2747.8	2750.9	2766.2	2775.4	2772.3
37.5°	1838.0	2340.4	2619.2	2637.5	2659.0	2631.4	2649.8	2659.0	2671.2	2665.1	2665.1
40°	1623.6	2153.5	2518.1	2530.3	2548.7	2527.2	2545.6	2551.7	2557.9	2551.7	2548.7
42.5°	1464.3	1948.3	2410.8	2426.1	2413.9	2429.2	2435.3	2447.6	2438.4	2426.1	2426.1
45°	1341.7	1893.1	2294.4	2312.8	2294.4	2318.9	2328.2	2328.2	2300.6	2294.4	2291.3
47.5°	1301.9	1782.8	2178.0	2178.0	2168.9	2199.5	2214.7	2193.3	2165.8	2156.5	2156.5
50°	1298.8	1660.3	2018.7	2006.5	2049.4	2086.1	2070.8	2049.4	2027.9	1994.3	1994.3
52.5°	1179.3	1510.2	1813.5	1859.5	1926.8	1948.3	1923.7	1902.3	1865.5	1850.2	1838.0
55°	1093.6	1354.0	1626.7	1718.5	1789.0	1816.6	1770.6	1749.1	1694.0	1684.9	1678.7
57.5°	1075.2	1127.3	1455.0	1571.5	1657.3	1654.2	1626.7	1586.8	1540.9	1531.6	1528.6
60°	986.4	814.8	1271.3	1409.2	1498.0	1488.8	1464.3	1427.5	1384.6	1378.5	1372.4
62.5°	894.5	591.3	1062.9	1219.2	1344.8	1341.7	1320.3	1265.1	1234.5	1219.2	1206.9
65°	759.7	496.3	756.6	1014.0	1194.7	1200.8	1154.9	1115.1	1081.3	1062.9	1059.9
67.5°	578.9	404.3	511.6	845.5	1050.7	1044.6	986.4	968.0	925.2	915.9	897.6
70°	428.9	269.6	355.4	686.2	909.8	894.5	848.5	827.1	787.3	765.9	753.5
72.5°	355.4	217.5	260.4	533.0	765.9	747.5	707.7	683.1	649.5	631.1	618.8
75°	287.9	229.7	199.1	395.2	621.8	609.6	572.9	548.3	520.7	496.3	499.3
77.5°	211.4	214.4	159.3	291.0	493.2	474.8	453.4	422.7	410.5	386.0	386.0
80°	159.3	168.5	119.5	199.1	355.4	355.4	337.0	315.5	294.1	281.9	281.9
82.5°	107.2	107.2	88.8	125.6	242.0	232.8	220.6	214.4	202.2	196.1	196.1
85°	49.0	61.3	55.1	76.6	131.7	137.9	137.9	131.7	128.6	122.6	125.6
87.5°	15.3	27.6	33.7	42.9	67.4	70.4	73.5	73.5	73.5	76.6	76.6
90°	7.5	13.6	19.6	21.1	33.1	49.2	57.2	50.9	38.1	28.6	28.6
92.5°	30.1	81.4	132.6	145.4	204.3	283.0	322.2	282.4	202.8	143.1	137.4
95°	72.3	166.0	259.7	283.1	502.7	795.5	942.0	840.6	637.8	485.7	468.5
97.5°	125.0	207.6	290.4	311.0	677.2	1165.5	1409.6	1345.5	1217.4	1121.2	1088.5
100°	165.6	240.6	315.6	334.4	740.7	1282.5	1553.4	1558.1	1567.5	1574.5	1535.4
102.5°	200.3	270.2	340.2	357.6	769.7	1319.3	1594.1	1675.7	1839.1	1961.6	1928.1
105°	259.1	318.3	377.5	392.3	791.4	1323.5	1589.6	1772.6	2138.7	2413.3	2395.3
107.5°	319.3	374.5	429.7	443.5	795.5	1264.6	1499.2	1754.6	2265.3	2648.2	2652.6
110°	359.9	409.8	459.6	472.1	789.4	1212.4	1423.9	1709.4	2280.3	2708.5	2727.3



TEST NUMBER: P935367

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	399.8	447.3	494.9	506.8	789.7	1166.8	1355.4	1647.6	2231.9	2670.1	2698.9
115°	460.1	503.9	547.8	558.8	796.9	1114.5	1273.3	1554.8	2117.7	2539.9	2579.8
117.5°	519.6	559.4	599.2	609.2	811.7	1081.8	1216.8	1470.8	1978.9	2359.8	2404.1
120°	554.2	591.7	629.2	638.5	823.8	1070.8	1194.3	1426.4	1890.5	2238.6	2281.6
122.5°	588.1	625.9	663.8	673.2	841.1	1064.9	1176.9	1385.9	1803.9	2117.4	2159.9
125°	640.0	674.5	709.0	717.6	864.4	1060.2	1158.1	1335.7	1690.8	1957.0	1996.2
127.5°	682.2	717.0	751.8	760.5	887.8	1057.5	1142.3	1294.7	1599.6	1828.2	1861.2
130°	704.8	742.2	779.7	789.1	904.8	1059.1	1136.2	1271.9	1543.4	1747.0	1777.4
132.5°	728.1	765.6	803.1	812.5	918.6	1060.2	1131.0	1252.5	1495.4	1677.6	1704.9
135°	762.8	796.9	831.1	839.6	933.8	1059.2	1121.9	1223.7	1427.2	1579.8	1603.3
137.5°	798.2	831.9	865.8	874.2	956.3	1065.7	1120.4	1206.4	1378.5	1507.5	1526.7
140°	827.5	858.6	889.8	897.6	970.1	1066.8	1115.2	1189.5	1338.1	1449.5	1467.5
142.5°	850.1	878.9	907.7	914.8	981.6	1070.6	1115.2	1180.4	1310.9	1408.9	1424.4
145°	884.8	909.9	935.0	941.3	996.8	1070.7	1107.6	1161.1	1267.8	1347.9	1359.6
147.5°	919.4	943.8	968.3	974.4	1018.8	1078.0	1107.6	1149.6	1233.6	1296.6	1306.3
150°	942.0	964.1	986.2	991.7	1030.3	1081.8	1107.6	1143.1	1214.1	1267.3	1275.2
152.5°	965.4	982.1	998.8	1003.0	1037.9	1084.4	1107.6	1138.0	1198.5	1244.0	1249.9
155°	999.9	1012.3	1024.7	1027.8	1054.4	1089.9	1107.6	1131.7	1180.0	1216.1	1220.0
157.5°	1025.5	1037.6	1049.7	1052.7	1071.0	1095.4	1107.6	1126.4	1163.9	1192.0	1194.7
160°	1042.9	1052.3	1061.7	1064.0	1078.6	1098.0	1107.6	1123.8	1155.9	1180.0	1181.6
162.5°	1060.2	1067.3	1074.3	1076.1	1086.6	1100.6	1107.6	1121.2	1148.3	1168.7	1170.2
165°	1079.0	1085.4	1091.7	1093.3	1098.1	1104.5	1107.6	1117.3	1136.8	1151.4	1153.0
167.5°	1096.3	1099.3	1102.4	1103.1	1107.1	1112.4	1115.2	1121.5	1134.3	1143.8	1144.4
170°	1107.6	1110.6	1113.7	1114.4	1114.7	1115.0	1115.2	1121.5	1134.3	1143.8	1143.8
172.5°	1113.7	1114.3	1115.0	1115.2	1115.2	1115.2	1115.2	1120.2	1130.3	1137.8	1137.2
175°	1121.9	1121.9	1121.9	1121.9	1119.7	1116.7	1115.2	1118.3	1124.7	1129.5	1129.5
177.5°	1121.9	1121.9	1121.9	1121.9	1120.2	1117.9	1116.7	1119.2	1124.2	1128.0	1127.4
180°	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9



TEST NUMBER: P935367

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9
2.5°	3320.7	3311.4	3320.7	3314.5	3317.6	3308.4	3280.8	3271.6	3280.8	3290.0	3290.0
5°	3360.5	3354.3	3360.5	3360.5	3357.4	3351.3	3320.7	3314.5	3320.7	3323.7	3317.6
7.5°	3372.7	3363.5	3372.7	3366.6	3366.6	3360.5	3329.8	3323.7	3326.7	3336.0	3326.7
10°	3372.7	3363.5	3372.7	3369.6	3366.6	3360.5	3329.8	3317.6	3317.6	3326.7	3317.6
12.5°	3357.4	3351.3	3357.4	3351.3	3351.3	3345.1	3314.5	3302.3	3305.3	3308.4	3296.1
15°	3332.9	3323.7	3332.9	3326.7	3329.8	3320.7	3286.9	3274.7	3274.7	3280.8	3259.4
17.5°	3296.1	3283.8	3296.1	3293.1	3290.0	3283.8	3253.2	3241.0	3237.9	3241.0	3225.6
20°	3253.2	3244.0	3253.2	3250.2	3250.2	3237.9	3207.3	3192.0	3192.0	3192.0	3176.7
22.5°	3185.8	3176.7	3185.8	3192.0	3192.0	3188.9	3161.4	3139.9	3133.8	3133.8	3115.4
25°	3109.2	3100.1	3109.2	3109.2	3106.2	3109.2	3100.1	3087.9	3078.6	3069.4	3051.0
27.5°	3035.7	3029.6	3035.7	3029.6	3035.7	3026.6	3023.5	3020.4	3008.2	2999.0	2974.4
30°	2962.2	2956.1	2962.2	2956.1	2950.0	2943.9	2928.6	2922.4	2934.6	2928.6	2888.7
32.5°	2870.4	2864.2	2870.4	2870.4	2864.2	2864.2	2839.7	2830.5	2833.6	2852.0	2815.2
35°	2775.4	2766.2	2775.4	2772.3	2775.4	2766.2	2750.9	2747.8	2735.6	2756.9	2729.4
37.5°	2665.1	2655.9	2665.1	2665.1	2665.1	2671.2	2659.0	2649.8	2631.4	2659.0	2637.5
40°	2551.7	2539.5	2551.7	2548.7	2551.7	2557.9	2551.7	2545.6	2527.2	2548.7	2530.3
42.5°	2423.1	2420.0	2423.1	2426.1	2426.1	2438.4	2447.6	2435.3	2429.2	2413.9	2426.1
45°	2285.3	2279.1	2285.3	2291.3	2294.4	2300.6	2328.2	2328.2	2318.9	2294.4	2312.8
47.5°	2138.2	2122.9	2138.2	2156.5	2156.5	2165.8	2193.3	2214.7	2199.5	2168.9	2178.0
50°	1981.9	1985.0	1981.9	1994.3	1994.3	2027.9	2049.4	2070.8	2086.1	2049.4	2006.5
52.5°	1828.8	1825.7	1828.8	1838.0	1850.2	1865.5	1902.3	1923.7	1948.3	1926.8	1859.5
55°	1675.6	1681.8	1675.6	1678.7	1684.9	1694.0	1749.1	1770.6	1816.6	1789.0	1718.5
57.5°	1522.5	1513.2	1522.5	1528.6	1531.6	1540.9	1586.8	1626.7	1654.2	1657.3	1571.5
60°	1344.8	1332.6	1344.8	1372.4	1378.5	1384.6	1427.5	1464.3	1488.8	1498.0	1409.2
62.5°	1188.6	1167.1	1188.6	1206.9	1219.2	1234.5	1265.1	1320.3	1341.7	1344.8	1219.2
65°	1023.1	1014.0	1023.1	1059.9	1062.9	1081.3	1115.1	1154.9	1200.8	1194.7	1014.0
67.5°	873.0	873.0	873.0	897.6	915.9	925.2	968.0	986.4	1044.6	1050.7	845.5
70°	735.2	732.1	735.2	753.5	765.9	787.3	827.1	848.5	894.5	909.8	686.2
72.5°	603.5	600.4	603.5	618.8	631.1	649.5	683.1	707.7	747.5	765.9	533.0
75°	487.1	480.9	487.1	499.3	496.3	520.7	548.3	572.9	609.6	621.8	395.2
77.5°	373.7	373.7	373.7	386.0	386.0	410.5	422.7	453.4	474.8	493.2	291.0
80°	278.8	275.7	278.8	281.9	281.9	294.1	315.5	337.0	355.4	355.4	199.1
82.5°	196.1	189.9	196.1	196.1	196.1	202.2	214.4	220.6	232.8	242.0	125.6
85°	122.6	122.6	122.6	125.6	122.6	128.6	131.7	137.9	137.9	131.7	76.6
87.5°	79.7	76.6	79.7	76.6	76.6	73.5	73.5	73.5	70.4	67.4	42.9
90°	28.6	28.6	28.6	28.6	28.6	38.1	50.9	57.2	49.2	33.1	21.1
92.5°	114.7	91.9	114.7	137.4	143.1	202.8	282.4	322.2	283.0	204.3	145.4
95°	399.5	330.6	399.5	468.5	485.7	637.8	840.6	942.0	795.5	502.7	283.1
97.5°	957.2	826.0	957.2	1088.5	1121.2	1217.4	1345.5	1409.6	1165.5	677.2	311.0
100°	1379.2	1222.9	1379.2	1535.4	1574.5	1567.5	1558.1	1553.4	1282.5	740.7	334.4
102.5°	1794.2	1660.3	1794.2	1928.1	1961.6	1839.1	1675.7	1594.1	1319.3	769.7	357.6
105°	2323.4	2251.4	2323.4	2395.3	2413.3	2138.7	1772.6	1589.6	1323.5	791.4	392.3
107.5°	2670.0	2687.4	2670.0	2652.6	2648.2	2265.3	1754.6	1499.2	1264.6	795.5	443.5
110°	2802.2	2877.1	2802.2	2727.3	2708.5	2280.3	1709.4	1423.9	1212.4	789.4	472.1



TEST NUMBER: P935367

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2814.0	2929.1	2814.0	2698.9	2670.1	2231.9	1647.6	1355.4	1166.8	789.7	506.8
115°	2739.4	2899.0	2739.4	2579.8	2539.9	2117.7	1554.8	1273.3	1114.5	796.9	558.8
117.5°	2581.2	2758.2	2581.2	2404.1	2359.8	1978.9	1470.8	1216.8	1081.8	811.7	609.2
120°	2453.7	2625.7	2453.7	2281.6	2238.6	1890.5	1426.4	1194.3	1070.8	823.8	638.5
122.5°	2329.5	2499.1	2329.5	2159.9	2117.4	1803.9	1385.9	1176.9	1064.9	841.1	673.2
125°	2152.4	2308.7	2152.4	1996.2	1957.0	1690.8	1335.7	1158.1	1060.2	864.4	717.6
127.5°	1993.1	2125.0	1993.1	1861.2	1828.2	1599.6	1294.7	1142.3	1057.5	887.8	760.5
130°	1899.2	2021.0	1899.2	1777.4	1747.0	1543.4	1271.9	1136.2	1059.1	904.8	789.1
132.5°	1814.0	1923.1	1814.0	1704.9	1677.6	1495.4	1252.5	1131.0	1060.2	918.6	812.5
135°	1697.4	1791.4	1697.4	1603.3	1579.8	1427.2	1223.7	1121.9	1059.2	933.8	839.6
137.5°	1603.7	1680.7	1603.7	1526.7	1507.5	1378.5	1206.4	1120.4	1065.7	956.3	874.2
140°	1539.4	1611.4	1539.4	1467.5	1449.5	1338.1	1189.5	1115.2	1066.8	970.1	897.6
142.5°	1486.3	1548.2	1486.3	1424.4	1408.9	1310.9	1180.4	1115.2	1070.6	981.6	914.8
145°	1406.4	1453.2	1406.4	1359.6	1347.9	1267.8	1161.1	1107.6	1070.7	996.8	941.3
147.5°	1345.2	1384.0	1345.2	1306.3	1296.6	1233.6	1149.6	1107.6	1078.0	1018.8	974.4
150°	1306.6	1338.1	1306.6	1275.2	1267.3	1214.1	1143.1	1107.6	1081.8	1030.3	991.7
152.5°	1273.7	1297.4	1273.7	1249.9	1244.0	1198.5	1138.0	1107.6	1084.4	1037.9	1003.0
155°	1235.7	1251.5	1235.7	1220.0	1216.1	1180.0	1131.7	1107.6	1089.9	1054.4	1027.8
157.5°	1205.8	1216.8	1205.8	1194.7	1192.0	1163.9	1126.4	1107.6	1095.4	1071.0	1052.7
160°	1187.9	1194.3	1187.9	1181.6	1180.0	1155.9	1123.8	1107.6	1098.0	1078.6	1064.0
162.5°	1176.2	1182.2	1176.2	1170.2	1168.7	1148.3	1121.2	1107.6	1100.6	1086.6	1076.1
165°	1159.3	1165.7	1159.3	1153.0	1151.4	1136.8	1117.3	1107.6	1104.5	1098.1	1093.3
167.5°	1147.1	1149.8	1147.1	1144.4	1143.8	1134.3	1121.5	1115.2	1112.4	1107.1	1103.1
170°	1143.8	1143.8	1143.8	1143.8	1143.8	1134.3	1121.5	1115.2	1115.0	1114.7	1114.4
172.5°	1134.9	1132.5	1134.9	1137.2	1137.8	1130.3	1120.2	1115.2	1115.2	1115.2	1115.2
175°	1129.5	1129.5	1129.5	1129.5	1129.5	1124.7	1118.3	1115.2	1116.7	1119.7	1121.9
177.5°	1124.7	1121.9	1124.7	1127.4	1128.0	1124.2	1119.2	1116.7	1117.9	1120.2	1121.9
180°	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9



TEST NUMBER: P935367

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9
2.5°	3283.8	3265.5	3265.5	3234.9	3222.6	3213.4	3198.1	3152.1	3139.9	3127.6	3146.1
5°	3311.4	3277.8	3253.2	3198.1	3152.1	3133.8	3075.6	2965.3	2891.8	2836.6	2806.0
7.5°	3317.6	3274.7	3228.7	3143.0	3032.7	2983.7	2806.0	2603.8	2548.7	2499.7	2469.0
10°	3311.4	3262.5	3198.1	3069.4	2809.1	2723.3	2545.6	2413.9	2380.2	2371.0	2380.2
12.5°	3290.0	3244.0	3155.2	2940.8	2576.3	2518.1	2413.9	2337.3	2331.2	2346.5	2429.2
15°	3253.2	3210.3	3106.2	2769.2	2447.6	2404.7	2331.2	2303.6	2337.3	2444.6	2692.7
17.5°	3216.5	3167.4	3038.8	2600.8	2349.5	2318.9	2266.9	2322.0	2511.9	2655.9	2738.6
20°	3167.4	3109.2	2962.2	2478.2	2279.1	2251.5	2227.1	2475.2	2619.2	2671.2	2717.2
22.5°	3109.2	3048.0	2858.0	2392.4	2205.6	2184.2	2199.5	2561.0	2619.2	2655.9	2695.8
25°	3032.7	2980.6	2735.6	2325.1	2147.4	2122.9	2181.1	2551.7	2585.4	2594.6	2674.3
27.5°	2962.2	2894.8	2606.9	2263.8	2076.9	2067.7	2196.4	2511.9	2536.4	2545.6	2631.4
30°	2876.4	2775.4	2462.9	2199.5	2003.4	2000.3	2199.5	2462.9	2456.8	2481.3	2567.0
32.5°	2787.6	2597.7	2300.6	2119.8	1933.0	1929.9	2178.0	2389.4	2383.3	2417.0	2481.3
35°	2704.9	2459.9	2080.0	2027.9	1844.1	1847.2	2126.0	2303.6	2306.7	2337.3	2377.1
37.5°	2619.2	2340.4	1838.0	1926.8	1758.4	1758.4	2055.4	2224.0	2217.8	2227.1	2282.2
40°	2518.1	2153.5	1623.6	1795.1	1678.7	1669.5	1969.7	2138.2	2116.7	2113.7	2190.3
42.5°	2410.8	1948.3	1464.3	1620.5	1586.8	1574.5	1865.5	2034.1	1994.3	2003.4	2101.4
45°	2294.4	1893.1	1341.7	1369.3	1491.8	1482.7	1752.2	1914.6	1887.0	1911.5	2012.6
47.5°	2178.0	1782.8	1301.9	1136.5	1390.8	1387.7	1626.7	1798.2	1782.8	1807.3	1914.6
50°	2018.7	1660.3	1298.8	974.1	1277.4	1289.7	1476.5	1684.9	1684.9	1706.2	1819.6
52.5°	1813.5	1510.2	1179.3	882.3	1145.7	1182.4	1344.8	1586.8	1592.9	1614.4	1715.5
55°	1626.7	1354.0	1093.6	811.7	989.4	1069.1	1216.2	1485.7	1498.0	1519.4	1611.3
57.5°	1455.0	1127.3	1075.2	729.1	845.5	922.1	1102.8	1387.7	1393.8	1412.2	1501.0
60°	1271.3	814.8	986.4	640.2	719.9	778.1	998.7	1271.3	1292.8	1305.0	1381.5
62.5°	1062.9	591.3	894.5	578.9	658.6	670.9	912.9	1161.0	1188.6	1197.8	1243.7
65°	756.6	496.3	759.7	526.9	594.2	597.3	821.0	1047.6	1072.2	1087.5	1121.1
67.5°	511.6	404.3	578.9	477.8	545.3	548.3	732.1	915.9	949.6	961.9	983.4
70°	355.4	269.6	428.9	425.8	490.1	496.3	637.1	796.5	827.1	836.3	848.5
72.5°	260.4	217.5	355.4	382.9	431.9	438.1	539.1	661.7	692.3	701.5	707.7
75°	199.1	229.7	287.9	333.9	367.6	370.7	441.1	539.1	560.6	566.7	569.8
77.5°	159.3	214.4	211.4	269.6	300.2	294.1	346.1	416.6	435.0	435.0	435.0
80°	119.5	168.5	159.3	193.0	220.6	214.4	248.1	297.2	303.2	309.4	306.3
82.5°	88.8	107.2	107.2	122.6	147.0	140.9	165.5	193.0	193.0	193.0	199.1
85°	55.1	61.3	49.0	64.4	82.7	79.7	91.9	104.2	107.2	107.2	101.1
87.5°	33.7	27.6	15.3	24.5	36.7	36.7	42.9	46.0	42.9	42.9	42.9
90°	19.6	13.6	7.5	13.6	19.6	21.1	33.1	49.2	57.2	50.9	38.1
92.5°	132.6	81.4	30.1	81.4	132.6	145.4	204.3	283.0	322.2	282.4	202.8
95°	259.7	166.0	72.3	166.0	259.7	283.1	502.7	795.5	942.0	840.6	637.8
97.5°	290.4	207.6	125.0	207.6	290.4	311.0	677.2	1165.5	1409.6	1345.5	1217.4
100°	315.6	240.6	165.6	240.6	315.6	334.4	740.7	1282.5	1553.4	1558.1	1567.5
102.5°	340.2	270.2	200.3	270.2	340.2	357.6	769.7	1319.3	1594.1	1675.7	1839.1
105°	377.5	318.3	259.1	318.3	377.5	392.3	791.4	1323.5	1589.6	1772.6	2138.7
107.5°	429.7	374.5	319.3	374.5	429.7	443.5	795.5	1264.6	1499.2	1754.6	2265.3
110°	459.6	409.8	359.9	409.8	459.6	472.1	789.4	1212.4	1423.9	1709.4	2280.3



TEST NUMBER: P935367

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	494.9	447.3	399.8	447.3	494.9	506.8	789.7	1166.8	1355.4	1647.6	2231.9
115°	547.8	503.9	460.1	503.9	547.8	558.8	796.9	1114.5	1273.3	1554.8	2117.7
117.5°	599.2	559.4	519.6	559.4	599.2	609.2	811.7	1081.8	1216.8	1470.8	1978.9
120°	629.2	591.7	554.2	591.7	629.2	638.5	823.8	1070.8	1194.3	1426.4	1890.5
122.5°	663.8	625.9	588.1	625.9	663.8	673.2	841.1	1064.9	1176.9	1385.9	1803.9
125°	709.0	674.5	640.0	674.5	709.0	717.6	864.4	1060.2	1158.1	1335.7	1690.8
127.5°	751.8	717.0	682.2	717.0	751.8	760.5	887.8	1057.5	1142.3	1294.7	1599.6
130°	779.7	742.2	704.8	742.2	779.7	789.1	904.8	1059.1	1136.2	1271.9	1543.4
132.5°	803.1	765.6	728.1	765.6	803.1	812.5	918.6	1060.2	1131.0	1252.5	1495.4
135°	831.1	796.9	762.8	796.9	831.1	839.6	933.8	1059.2	1121.9	1223.7	1427.2
137.5°	865.8	831.9	798.2	831.9	865.8	874.2	956.3	1065.7	1120.4	1206.4	1378.5
140°	889.8	858.6	827.5	858.6	889.8	897.6	970.1	1066.8	1115.2	1189.5	1338.1
142.5°	907.7	878.9	850.1	878.9	907.7	914.8	981.6	1070.6	1115.2	1180.4	1310.9
145°	935.0	909.9	884.8	909.9	935.0	941.3	996.8	1070.7	1107.6	1161.1	1267.8
147.5°	968.3	943.8	919.4	943.8	968.3	974.4	1018.8	1078.0	1107.6	1149.6	1233.6
150°	986.2	964.1	942.0	964.1	986.2	991.7	1030.3	1081.8	1107.6	1143.1	1214.1
152.5°	998.8	982.1	965.4	982.1	998.8	1003.0	1037.9	1084.4	1107.6	1138.0	1198.5
155°	1024.7	1012.3	999.9	1012.3	1024.7	1027.8	1054.4	1089.9	1107.6	1131.7	1180.0
157.5°	1049.7	1037.6	1025.5	1037.6	1049.7	1052.7	1071.0	1095.4	1107.6	1126.4	1163.9
160°	1061.7	1052.3	1042.9	1052.3	1061.7	1064.0	1078.6	1098.0	1107.6	1123.8	1155.9
162.5°	1074.3	1067.3	1060.2	1067.3	1074.3	1076.1	1086.6	1100.6	1107.6	1121.2	1148.3
165°	1091.7	1085.4	1079.0	1085.4	1091.7	1093.3	1098.1	1104.5	1107.6	1117.3	1136.8
167.5°	1102.4	1099.3	1096.3	1099.3	1102.4	1103.1	1107.1	1112.4	1115.2	1121.5	1134.3
170°	1113.7	1110.6	1107.6	1110.6	1113.7	1114.4	1114.7	1115.0	1115.2	1121.5	1134.3
172.5°	1115.0	1114.3	1113.7	1114.3	1115.0	1115.2	1115.2	1115.2	1115.2	1120.2	1130.3
175°	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1119.7	1116.7	1115.2	1118.3	1124.7
177.5°	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1120.2	1117.9	1116.7	1119.2	1124.2
180°	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9



TEST NUMBER: P935367

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9
2.5°	3124.6	3115.4	3127.6	3093.9	3127.6	3115.4	3124.6	3146.1	3127.6	3139.9	3152.1
5°	2741.6	2726.3	2677.4	2637.5	2677.4	2726.3	2741.6	2806.0	2836.6	2891.8	2965.3
7.5°	2450.6	2438.4	2426.1	2401.7	2426.1	2438.4	2450.6	2469.0	2499.7	2548.7	2603.8
10°	2386.4	2389.4	2407.7	2404.7	2407.7	2389.4	2386.4	2380.2	2371.0	2380.2	2413.9
12.5°	2551.7	2579.3	2680.4	2674.3	2680.4	2579.3	2551.7	2429.2	2346.5	2331.2	2337.3
15°	2741.6	2750.9	2772.3	2775.4	2772.3	2750.9	2741.6	2692.7	2444.6	2337.3	2303.6
17.5°	2760.0	2763.1	2778.4	2778.4	2778.4	2763.1	2760.0	2738.6	2655.9	2511.9	2322.0
20°	2744.7	2750.9	2781.5	2787.6	2781.5	2750.9	2744.7	2717.2	2671.2	2619.2	2475.2
22.5°	2738.6	2750.9	2775.4	2772.3	2775.4	2750.9	2738.6	2695.8	2655.9	2619.2	2561.0
25°	2708.0	2708.0	2711.0	2714.1	2711.0	2708.0	2708.0	2674.3	2594.6	2585.4	2551.7
27.5°	2643.6	2649.8	2668.1	2665.1	2668.1	2649.8	2643.6	2631.4	2545.6	2536.4	2511.9
30°	2585.4	2579.3	2564.0	2551.7	2564.0	2579.3	2585.4	2567.0	2481.3	2456.8	2462.9
32.5°	2487.4	2472.1	2456.8	2447.6	2456.8	2472.1	2487.4	2481.3	2417.0	2383.3	2389.4
35°	2371.0	2374.1	2371.0	2361.8	2371.0	2374.1	2371.0	2377.1	2337.3	2306.7	2303.6
37.5°	2288.3	2294.4	2291.3	2279.1	2291.3	2294.4	2288.3	2282.2	2227.1	2217.8	2224.0
40°	2202.5	2205.6	2202.5	2193.3	2202.5	2205.6	2202.5	2190.3	2113.7	2116.7	2138.2
42.5°	2119.8	2116.7	2107.6	2101.4	2107.6	2116.7	2119.8	2101.4	2003.4	1994.3	2034.1
45°	2024.8	2027.9	2009.5	2000.3	2009.5	2027.9	2024.8	2012.6	1911.5	1887.0	1914.6
47.5°	1929.9	1929.9	1914.6	1905.4	1914.6	1929.9	1929.9	1914.6	1807.3	1782.8	1798.2
50°	1828.8	1825.7	1804.3	1801.3	1804.3	1825.7	1828.8	1819.6	1706.2	1684.9	1684.9
52.5°	1712.4	1712.4	1715.5	1721.6	1715.5	1712.4	1712.4	1715.5	1614.4	1592.9	1586.8
55°	1611.3	1614.4	1635.8	1642.0	1635.8	1614.4	1611.3	1611.3	1519.4	1498.0	1485.7
57.5°	1507.2	1507.2	1522.5	1522.5	1522.5	1507.2	1507.2	1501.0	1412.2	1393.8	1387.7
60°	1387.7	1393.8	1406.1	1403.0	1406.1	1393.8	1387.7	1381.5	1305.0	1292.8	1271.3
62.5°	1262.1	1268.2	1271.3	1265.1	1271.3	1268.2	1262.1	1243.7	1197.8	1188.6	1161.0
65°	1130.4	1136.5	1139.6	1133.4	1139.6	1136.5	1130.4	1121.1	1087.5	1072.2	1047.6
67.5°	995.6	992.5	989.4	1001.7	989.4	992.5	995.6	983.4	961.9	949.6	915.9
70°	857.7	857.7	854.7	860.8	854.7	857.7	857.7	848.5	836.3	827.1	796.5
72.5°	710.7	707.7	719.9	710.7	719.9	707.7	710.7	707.7	701.5	692.3	661.7
75°	566.7	572.9	566.7	575.9	566.7	572.9	566.7	569.8	566.7	560.6	539.1
77.5°	431.9	438.1	431.9	431.9	431.9	438.1	431.9	435.0	435.0	435.0	416.6
80°	306.3	303.2	303.2	300.2	303.2	303.2	306.3	306.3	309.4	303.2	297.2
82.5°	196.1	193.0	193.0	199.1	193.0	193.0	196.1	199.1	193.0	193.0	193.0
85°	107.2	110.2	104.2	104.2	104.2	110.2	107.2	101.1	107.2	107.2	104.2
87.5°	39.8	36.7	36.7	36.7	36.7	36.7	39.8	42.9	42.9	42.9	46.0
90°	28.6	28.6	28.6	28.6	28.6	28.6	28.6	38.1	50.9	57.2	49.2
92.5°	143.1	137.4	114.7	91.9	114.7	137.4	143.1	202.8	282.4	322.2	283.0
95°	485.7	468.5	399.5	330.6	399.5	468.5	485.7	637.8	840.6	942.0	795.5
97.5°	1121.2	1088.5	957.2	826.0	957.2	1088.5	1121.2	1217.4	1345.5	1409.6	1165.5
100°	1574.5	1535.4	1379.2	1222.9	1379.2	1535.4	1574.5	1567.5	1558.1	1553.4	1282.5
102.5°	1961.6	1928.1	1794.2	1660.3	1794.2	1928.1	1961.6	1839.1	1675.7	1594.1	1319.3
105°	2413.3	2395.3	2323.4	2251.4	2323.4	2395.3	2413.3	2138.7	1772.6	1589.6	1323.5
107.5°	2648.2	2652.6	2670.0	2687.4	2670.0	2652.6	2648.2	2265.3	1754.6	1499.2	1264.6
110°	2708.5	2727.3	2802.2	2877.1	2802.2	2727.3	2708.5	2280.3	1709.4	1423.9	1212.4



TEST NUMBER: P935367

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2670.1	2698.9	2814.0	2929.1	2814.0	2698.9	2670.1	2231.9	1647.6	1355.4	1166.8
115°	2539.9	2579.8	2739.4	2899.0	2739.4	2579.8	2539.9	2117.7	1554.8	1273.3	1114.5
117.5°	2359.8	2404.1	2581.2	2758.2	2581.2	2404.1	2359.8	1978.9	1470.8	1216.8	1081.8
120°	2238.6	2281.6	2453.7	2625.7	2453.7	2281.6	2238.6	1890.5	1426.4	1194.3	1070.8
122.5°	2117.4	2159.9	2329.5	2499.1	2329.5	2159.9	2117.4	1803.9	1385.9	1176.9	1064.9
125°	1957.0	1996.2	2152.4	2308.7	2152.4	1996.2	1957.0	1690.8	1335.7	1158.1	1060.2
127.5°	1828.2	1861.2	1993.1	2125.0	1993.1	1861.2	1828.2	1599.6	1294.7	1142.3	1057.5
130°	1747.0	1777.4	1899.2	2021.0	1899.2	1777.4	1747.0	1543.4	1271.9	1136.2	1059.1
132.5°	1677.6	1704.9	1814.0	1923.1	1814.0	1704.9	1677.6	1495.4	1252.5	1131.0	1060.2
135°	1579.8	1603.3	1697.4	1791.4	1697.4	1603.3	1579.8	1427.2	1223.7	1121.9	1059.2
137.5°	1507.5	1526.7	1603.7	1680.7	1603.7	1526.7	1507.5	1378.5	1206.4	1120.4	1065.7
140°	1449.5	1467.5	1539.4	1611.4	1539.4	1467.5	1449.5	1338.1	1189.5	1115.2	1066.8
142.5°	1408.9	1424.4	1486.3	1548.2	1486.3	1424.4	1408.9	1310.9	1180.4	1115.2	1070.6
145°	1347.9	1359.6	1406.4	1453.2	1406.4	1359.6	1347.9	1267.8	1161.1	1107.6	1070.7
147.5°	1296.6	1306.3	1345.2	1384.0	1345.2	1306.3	1296.6	1233.6	1149.6	1107.6	1078.0
150°	1267.3	1275.2	1306.6	1338.1	1306.6	1275.2	1267.3	1214.1	1143.1	1107.6	1081.8
152.5°	1244.0	1249.9	1273.7	1297.4	1273.7	1249.9	1244.0	1198.5	1138.0	1107.6	1084.4
155°	1216.1	1220.0	1235.7	1251.5	1235.7	1220.0	1216.1	1180.0	1131.7	1107.6	1089.9
157.5°	1192.0	1194.7	1205.8	1216.8	1205.8	1194.7	1192.0	1163.9	1126.4	1107.6	1095.4
160°	1180.0	1181.6	1187.9	1194.3	1187.9	1181.6	1180.0	1155.9	1123.8	1107.6	1098.0
162.5°	1168.7	1170.2	1176.2	1182.2	1176.2	1170.2	1168.7	1148.3	1121.2	1107.6	1100.6
165°	1151.4	1153.0	1159.3	1165.7	1159.3	1153.0	1151.4	1136.8	1117.3	1107.6	1104.5
167.5°	1143.8	1144.4	1147.1	1149.8	1147.1	1144.4	1143.8	1134.3	1121.5	1115.2	1112.4
170°	1143.8	1143.8	1143.8	1143.8	1143.8	1143.8	1143.8	1134.3	1121.5	1115.2	1115.0
172.5°	1137.8	1137.2	1134.9	1132.5	1134.9	1137.2	1137.8	1130.3	1120.2	1115.2	1115.2
175°	1129.5	1129.5	1129.5	1129.5	1129.5	1129.5	1129.5	1124.7	1118.3	1115.2	1116.7
177.5°	1128.0	1127.4	1124.7	1121.9	1124.7	1127.4	1128.0	1124.2	1119.2	1116.7	1117.9
180°	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9



TEST NUMBER: P935367

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3237.9	3237.9	3237.9	3237.9	3237.9
2.5°	3198.1	3213.4	3222.6	3234.9	3265.5
5°	3075.6	3133.8	3152.1	3198.1	3253.2
7.5°	2806.0	2983.7	3032.7	3143.0	3228.7
10°	2545.6	2723.3	2809.1	3069.4	3198.1
12.5°	2413.9	2518.1	2576.3	2940.8	3155.2
15°	2331.2	2404.7	2447.6	2769.2	3106.2
17.5°	2266.9	2318.9	2349.5	2600.8	3038.8
20°	2227.1	2251.5	2279.1	2478.2	2962.2
22.5°	2199.5	2184.2	2205.6	2392.4	2858.0
25°	2181.1	2122.9	2147.4	2325.1	2735.6
27.5°	2196.4	2067.7	2076.9	2263.8	2606.9
30°	2199.5	2000.3	2003.4	2199.5	2462.9
32.5°	2178.0	1929.9	1933.0	2119.8	2300.6
35°	2126.0	1847.2	1844.1	2027.9	2080.0
37.5°	2055.4	1758.4	1758.4	1926.8	1838.0
40°	1969.7	1669.5	1678.7	1795.1	1623.6
42.5°	1865.5	1574.5	1586.8	1620.5	1464.3
45°	1752.2	1482.7	1491.8	1369.3	1341.7
47.5°	1626.7	1387.7	1390.8	1136.5	1301.9
50°	1476.5	1289.7	1277.4	974.1	1298.8
52.5°	1344.8	1182.4	1145.7	882.3	1179.3
55°	1216.2	1069.1	989.4	811.7	1093.6
57.5°	1102.8	922.1	845.5	729.1	1075.2
60°	998.7	778.1	719.9	640.2	986.4
62.5°	912.9	670.9	658.6	578.9	894.5
65°	821.0	597.3	594.2	526.9	759.7
67.5°	732.1	548.3	545.3	477.8	578.9
70°	637.1	496.3	490.1	425.8	428.9
72.5°	539.1	438.1	431.9	382.9	355.4
75°	441.1	370.7	367.6	333.9	287.9
77.5°	346.1	294.1	300.2	269.6	211.4
80°	248.1	214.4	220.6	193.0	159.3
82.5°	165.5	140.9	147.0	122.6	107.2
85°	91.9	79.7	82.7	64.4	49.0
87.5°	42.9	36.7	36.7	24.5	15.3
90°	33.1	21.1	19.6	13.6	7.5
92.5°	204.3	145.4	132.6	81.4	30.1
95°	502.7	283.1	259.7	166.0	72.3
97.5°	677.2	311.0	290.4	207.6	125.0
100°	740.7	334.4	315.6	240.6	165.6
102.5°	769.7	357.6	340.2	270.2	200.3
105°	791.4	392.3	377.5	318.3	259.1
107.5°	795.5	443.5	429.7	374.5	319.3
110°	789.4	472.1	459.6	409.8	359.9



TEST NUMBER: P935367

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	789.7	506.8	494.9	447.3	399.8
115°	796.9	558.8	547.8	503.9	460.1
117.5°	811.7	609.2	599.2	559.4	519.6
120°	823.8	638.5	629.2	591.7	554.2
122.5°	841.1	673.2	663.8	625.9	588.1
125°	864.4	717.6	709.0	674.5	640.0
127.5°	887.8	760.5	751.8	717.0	682.2
130°	904.8	789.1	779.7	742.2	704.8
132.5°	918.6	812.5	803.1	765.6	728.1
135°	933.8	839.6	831.1	796.9	762.8
137.5°	956.3	874.2	865.8	831.9	798.2
140°	970.1	897.6	889.8	858.6	827.5
142.5°	981.6	914.8	907.7	878.9	850.1
145°	996.8	941.3	935.0	909.9	884.8
147.5°	1018.8	974.4	968.3	943.8	919.4
150°	1030.3	991.7	986.2	964.1	942.0
152.5°	1037.9	1003.0	998.8	982.1	965.4
155°	1054.4	1027.8	1024.7	1012.3	999.9
157.5°	1071.0	1052.7	1049.7	1037.6	1025.5
160°	1078.6	1064.0	1061.7	1052.3	1042.9
162.5°	1086.6	1076.1	1074.3	1067.3	1060.2
165°	1098.1	1093.3	1091.7	1085.4	1079.0
167.5°	1107.1	1103.1	1102.4	1099.3	1096.3
170°	1114.7	1114.4	1113.7	1110.6	1107.6
172.5°	1115.2	1115.2	1115.0	1114.3	1113.7
175°	1119.7	1121.9	1121.9	1121.9	1121.9
177.5°	1120.2	1121.9	1121.9	1121.9	1121.9
180°	1121.9	1121.9	1121.9	1121.9	1121.9



TEST NUMBER: P935367
 CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-8-4000K

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	14.55	15.44	15.47	16.39	17.60	17.39	18.28	18.31	19.22	20.44
	3H	15.03	15.83	15.96	16.78	18.02	18.74	19.54	19.67	20.49	21.73
	4H	15.22	15.98	16.17	16.94	18.19	19.18	19.94	20.13	20.90	22.15
	6H	15.34	16.04	16.30	17.00	18.27	19.47	20.17	20.43	21.13	22.40
	8H	15.34	16.01	16.31	16.99	18.25	19.55	20.21	20.52	21.19	22.46
	12H	15.31	15.95	16.29	16.92	18.21	19.59	20.22	20.56	21.20	22.48
4H	2H	15.59	16.34	16.54	17.30	18.55	17.80	18.56	18.76	19.51	20.77
	3H	16.62	17.25	17.58	18.24	19.50	19.31	19.94	20.28	20.93	22.19
	4H	16.89	17.47	17.87	18.45	19.74	19.84	20.42	20.82	21.40	22.69
	6H	17.02	17.52	18.01	18.52	19.81	20.21	20.71	21.20	21.71	23.00
	8H	17.03	17.49	18.02	18.49	19.79	20.32	20.78	21.31	21.78	23.08
	12H	17.00	17.41	18.01	18.43	19.74	20.38	20.80	21.39	21.81	23.12
8H	4H	17.35	17.82	18.34	18.81	20.12	19.97	20.43	20.96	21.43	22.73
	6H	17.61	18.00	18.63	19.04	20.34	20.41	20.79	21.42	21.83	23.13
	8H	17.66	18.00	18.68	19.02	20.34	20.56	20.90	21.59	21.93	23.25
	12H	17.64	17.94	18.67	18.96	20.33	20.66	20.96	21.69	21.98	23.35
12H	4H	17.36	17.78	18.37	18.79	20.10	19.93	20.35	20.94	21.37	22.68
	6H	17.68	18.01	18.70	19.04	20.36	20.40	20.74	21.43	21.77	23.09
	8H	17.74	18.04	18.77	19.06	20.43	20.57	20.87	21.60	21.89	23.25