

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: P935394

Luminaire Tested: SQ4-FA-100U-125D-B2750-1D-UNV-STD-W-8-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935394
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-B2750-1D-UNV-STD-W-8-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

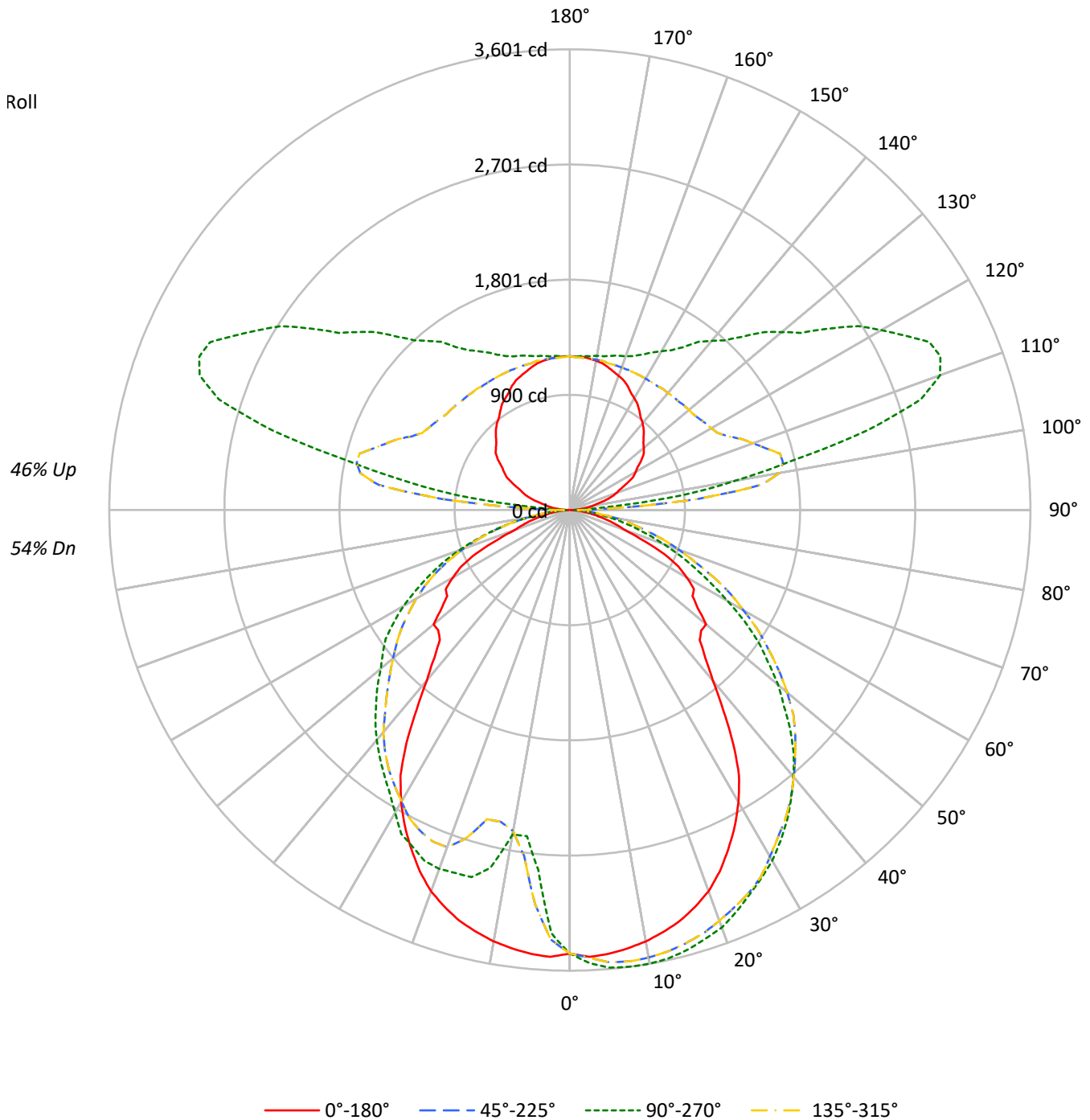
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16778.3 lumens
Efficiency: N/A
Efficacy: 121.9 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: P935394
CATALOG NUMBER: SQ4-FA-100U-125D-B2750-1D-UNV-STD-W-8-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P935394

CATALOG NUMBER: SQ4-FA-100U-125D-B2750-1D-UNV-STD-W-8-3500K

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16082	16082	16082	16082
5°	16202	16234	16202	12765
10°	16094	15991	16094	11433
15°	15919	15645	15919	13064
20°	15586	15234	15586	13091
25°	14905	14636	14905	12814
30°	14024	14139	14024	12205
35°	12502	13510	12502	11535
40°	10418	12770	10418	11030
45°	9308	11904	9308	10448
50°	9889	10871	9889	9865
55°	9304	9758	9304	9527
60°	9590	8288	9590	8726
65°	8696	6851	8696	7658
70°	6021	5459	6021	6419
75°	5279	4035	5279	4832
80°	4254	2669	4254	2905
85°	2441	1413	2441	1201

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14266 cd/sqm



TEST NUMBER: P935394

CATALOG NUMBER: SQ4-FA-100U-125D-B2750-1D-UNV-STD-W-8-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.9	1.9
10°-20°	888.4	5.3
20°-30°	1373.3	8.2
30°-40°	1639.4	9.8
40°-50°	1649.0	9.8
50°-60°	1434.9	8.6
60°-70°	1017.3	6.1
70°-80°	538.2	3.2
80°-90°	138.6	0.8
90°-100°	585.5	3.5
100°-110°	1539.2	9.2
110°-120°	1596.0	9.5
120°-130°	1280.2	7.6
130°-140°	1004.5	6.0
140°-150°	771.0	4.6
150°-160°	555.2	3.3
160°-170°	339.7	2.0
170°-180°	114.8	0.7
0°-30°	2574.6	15.3
0°-40°	4214.0	25.1
0°-60°	7297.9	43.5
0°-90°	8992.1	53.6
90°-120°	3720.7	22.2
90°-150°	6776.4	40.4
90°-180°	7786.0	46.4
0°-180°	16778.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3466	3466	3466	3466	3466	
5°	3483	3591	3483	2824	3483	330
15°	3325	3558	3325	2971	3325	936
25°	2928	3319	2928	2906	2928	1345
35°	2227	2961	2227	2528	2227	1378
45°	1436	2440	1436	2141	1436	1151
55°	1171	1800	1171	1758	1171	1076
65°	813	1086	813	1213	813	777
75°	308	515	308	616	308	324
85°	52	131	52	112	52	71
90°	8	31	8	31	8	9
95°	77	354	77	354	77	86
105°	277	2410	277	2410	277	294
115°	492	3104	492	3104	492	486
125°	685	2472	685	2472	685	608
135°	817	1918	817	1918	817	632
145°	947	1556	947	1556	947	593
155°	1070	1340	1070	1340	1070	492
165°	1155	1248	1155	1248	1155	326
175°	1201	1209	1201	1209	1201	114
180°	1201	1201	1201	1201	1201	



TEST NUMBER: P935394

CATALOG NUMBER: SQ4-FA-100U-125D-B2750-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3
2.5°	3495.8	3495.8	3515.4	3522.0	3522.0	3512.2	3502.4	3512.2	3541.7	3551.6	3548.3
5°	3482.7	3508.9	3545.0	3551.6	3558.1	3554.9	3548.3	3554.9	3587.6	3594.2	3597.5
7.5°	3456.4	3505.6	3551.6	3561.4	3571.2	3561.4	3558.1	3564.7	3597.5	3604.0	3604.0
10°	3423.7	3492.6	3545.0	3551.6	3561.4	3551.6	3551.6	3564.7	3597.5	3604.0	3607.3
12.5°	3377.7	3472.8	3522.0	3528.6	3541.7	3538.4	3535.2	3548.3	3581.0	3587.6	3587.6
15°	3325.3	3436.8	3482.7	3489.3	3512.2	3505.6	3505.6	3518.7	3554.9	3564.7	3561.4
17.5°	3253.1	3390.8	3443.3	3453.1	3469.6	3466.3	3469.6	3482.7	3515.4	3522.0	3525.3
20°	3171.1	3328.5	3390.8	3400.7	3417.1	3417.1	3417.1	3433.5	3466.3	3479.4	3479.4
22.5°	3059.6	3263.0	3328.5	3335.1	3354.8	3354.8	3361.4	3384.3	3413.8	3417.1	3417.1
25°	2928.5	3190.8	3246.5	3266.2	3285.9	3295.8	3305.6	3318.7	3328.5	3325.3	3328.5
27.5°	2790.7	3099.0	3171.1	3184.2	3210.5	3220.4	3233.5	3236.8	3240.0	3249.8	3243.2
30°	2636.6	2971.1	3079.3	3092.5	3135.1	3141.6	3128.5	3135.1	3151.5	3158.1	3164.6
32.5°	2462.8	2780.9	2984.2	3013.8	3053.1	3033.5	3030.2	3039.9	3066.2	3066.2	3072.8
35°	2226.7	2633.4	2895.7	2921.9	2951.4	2928.5	2941.6	2944.9	2961.3	2971.1	2967.9
37.5°	1967.7	2505.4	2803.9	2823.6	2846.5	2817.0	2836.7	2846.5	2859.6	2853.0	2853.0
40°	1738.1	2305.3	2695.7	2708.7	2728.4	2705.4	2725.1	2731.7	2738.3	2731.7	2728.4
42.5°	1567.6	2085.7	2580.8	2597.2	2584.1	2600.5	2607.1	2620.2	2610.4	2597.2	2597.2
45°	1436.3	2026.7	2456.2	2475.9	2456.2	2482.5	2492.4	2492.4	2462.8	2456.2	2452.9
47.5°	1393.7	1908.5	2331.6	2331.6	2321.8	2354.6	2370.9	2348.0	2318.5	2308.6	2308.6
50°	1390.4	1777.4	2161.1	2148.0	2193.9	2233.3	2216.9	2193.9	2170.9	2134.9	2134.9
52.5°	1262.5	1616.7	1941.4	1990.6	2062.7	2085.7	2059.4	2036.5	1997.1	1980.7	1967.7
55°	1170.7	1449.5	1741.4	1839.7	1915.1	1944.7	1895.5	1872.5	1813.5	1803.7	1797.1
57.5°	1151.1	1206.8	1557.7	1682.3	1774.1	1770.8	1741.4	1698.8	1649.5	1639.6	1636.4
60°	1055.9	872.3	1361.0	1508.5	1603.6	1593.8	1567.6	1528.2	1482.3	1475.7	1469.2
62.5°	957.6	633.0	1137.9	1305.1	1439.6	1436.3	1413.4	1354.4	1321.6	1305.1	1292.1
65°	813.3	531.3	810.0	1085.5	1279.0	1285.5	1236.3	1193.7	1157.6	1137.9	1134.7
67.5°	619.8	432.9	547.7	905.1	1124.8	1118.2	1055.9	1036.2	990.4	980.5	960.9
70°	459.1	288.6	380.4	734.6	973.9	957.6	908.3	885.5	842.8	819.9	806.7
72.5°	380.4	232.9	278.8	570.6	819.9	800.2	757.6	731.3	695.3	675.6	662.4
75°	308.2	245.9	213.2	423.1	665.7	652.6	613.3	587.0	557.5	531.3	534.5
77.5°	226.3	229.6	170.5	311.5	528.0	508.3	485.4	452.5	439.4	413.2	413.2
80°	170.5	180.3	127.9	213.2	380.4	380.4	360.8	337.8	314.8	301.7	301.7
82.5°	114.7	114.7	95.1	134.5	259.1	249.2	236.1	229.6	216.5	209.9	209.9
85°	52.4	65.6	59.0	82.0	141.0	147.6	147.6	141.0	137.7	131.2	134.5
87.5°	16.4	29.6	36.0	45.9	72.2	75.4	78.7	78.7	78.7	82.0	82.0
90°	8.0	14.5	20.9	22.6	35.5	52.6	61.2	54.5	40.8	30.6	30.6
92.5°	32.3	87.1	142.0	155.6	218.7	302.9	345.0	302.3	217.2	153.2	147.1
95°	77.4	177.7	278.0	303.1	538.2	851.7	1008.4	899.9	682.8	520.0	501.6
97.5°	133.8	222.3	310.9	332.9	725.0	1247.7	1509.0	1440.4	1303.2	1200.3	1165.2
100°	177.3	257.6	337.9	357.9	792.9	1373.0	1663.0	1668.0	1678.0	1685.6	1643.7
102.5°	214.4	289.2	364.2	382.9	824.0	1412.3	1706.5	1793.9	1968.8	2099.9	2064.1
105°	277.3	340.7	404.1	420.0	847.2	1416.9	1701.7	1897.6	2289.6	2583.5	2564.3
107.5°	341.8	400.9	460.0	474.8	851.6	1353.8	1605.0	1878.3	2425.0	2835.0	2839.7
110°	385.3	438.7	492.1	505.4	845.1	1297.9	1524.3	1830.0	2441.1	2899.5	2919.6



TEST NUMBER: P935394

CATALOG NUMBER: SQ4-FA-100U-125D-B2750-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	428.0	478.9	529.8	542.5	845.4	1249.1	1451.0	1763.8	2389.3	2858.5	2889.3
115°	492.5	539.4	586.4	598.2	853.1	1193.1	1363.1	1664.5	2267.1	2719.0	2761.7
117.5°	556.2	598.8	641.5	652.1	869.0	1158.1	1302.6	1574.5	2118.4	2526.3	2573.7
120°	593.3	633.4	673.6	683.5	881.9	1146.3	1278.5	1527.0	2023.9	2396.5	2442.6
122.5°	629.6	670.1	710.6	720.6	900.4	1140.0	1259.9	1483.6	1931.1	2266.8	2312.2
125°	685.2	722.1	759.0	768.2	925.4	1135.0	1239.7	1429.9	1810.0	2095.1	2136.9
127.5°	730.3	767.5	804.9	814.2	950.4	1132.1	1222.9	1386.1	1712.4	1957.2	1992.5
130°	754.5	794.6	834.7	844.8	968.6	1133.8	1216.4	1361.6	1652.2	1870.2	1902.7
132.5°	779.5	819.6	859.7	869.8	983.4	1135.0	1210.8	1340.8	1600.9	1795.9	1825.1
135°	816.6	853.1	889.7	898.8	999.6	1133.9	1201.1	1310.0	1527.8	1691.2	1716.4
137.5°	854.5	890.6	926.8	935.9	1023.7	1140.9	1199.4	1291.5	1475.7	1613.8	1634.4
140°	885.9	919.2	952.5	960.9	1038.5	1142.1	1193.8	1273.4	1432.5	1551.8	1571.0
142.5°	910.1	940.9	971.7	979.4	1050.9	1146.1	1193.8	1263.7	1403.4	1508.2	1524.8
145°	947.2	974.0	1001.0	1007.7	1067.1	1146.2	1185.8	1242.9	1357.2	1442.9	1455.4
147.5°	984.2	1010.4	1036.5	1043.1	1090.7	1154.1	1185.8	1230.7	1320.7	1388.1	1398.5
150°	1008.4	1032.1	1055.7	1061.6	1103.0	1158.1	1185.8	1223.8	1299.7	1356.7	1365.1
152.5°	1033.4	1051.4	1069.3	1073.7	1111.1	1160.9	1185.8	1218.2	1283.1	1331.7	1338.1
155°	1070.5	1083.7	1097.0	1100.3	1128.8	1166.8	1185.8	1211.5	1263.2	1301.9	1306.0
157.5°	1097.9	1110.8	1123.7	1126.9	1146.5	1172.7	1185.8	1205.8	1245.9	1276.1	1279.0
160°	1116.5	1126.6	1136.5	1139.1	1154.7	1175.4	1185.8	1203.0	1237.4	1263.2	1264.9
162.5°	1135.0	1142.5	1150.1	1151.9	1163.2	1178.2	1185.8	1200.3	1229.3	1251.1	1252.7
165°	1155.1	1161.9	1168.7	1170.5	1175.6	1182.4	1185.8	1196.1	1217.0	1232.6	1234.3
167.5°	1173.7	1176.9	1180.1	1180.9	1185.2	1190.9	1193.8	1200.6	1214.3	1224.4	1225.1
170°	1185.8	1189.0	1192.3	1193.0	1193.3	1193.6	1193.8	1200.6	1214.3	1224.4	1224.4
172.5°	1192.3	1192.9	1193.6	1193.8	1193.8	1193.8	1193.8	1199.2	1210.0	1218.0	1217.5
175°	1201.1	1201.1	1201.1	1201.1	1198.7	1195.5	1193.8	1197.2	1204.0	1209.1	1209.1
177.5°	1201.1	1201.1	1201.1	1201.1	1199.2	1196.7	1195.5	1198.2	1203.5	1207.6	1206.9
180°	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1



TEST NUMBER: P935394

CATALOG NUMBER: SQ4-FA-100U-125D-B2750-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3
2.5°	3554.9	3545.0	3554.9	3548.3	3551.6	3541.7	3512.2	3502.4	3512.2	3522.0	3522.0
5°	3597.5	3590.9	3597.5	3597.5	3594.2	3587.6	3554.9	3548.3	3554.9	3558.1	3551.6
7.5°	3610.6	3600.7	3610.6	3604.0	3604.0	3597.5	3564.7	3558.1	3561.4	3571.2	3561.4
10°	3610.6	3600.7	3610.6	3607.3	3604.0	3597.5	3564.7	3551.6	3551.6	3561.4	3551.6
12.5°	3594.2	3587.6	3594.2	3587.6	3587.6	3581.0	3548.3	3535.2	3538.4	3541.7	3528.6
15°	3568.0	3558.1	3568.0	3561.4	3564.7	3554.9	3518.7	3505.6	3505.6	3512.2	3489.3
17.5°	3528.6	3515.4	3528.6	3525.3	3522.0	3515.4	3482.7	3469.6	3466.3	3469.6	3453.1
20°	3482.7	3472.8	3482.7	3479.4	3479.4	3466.3	3433.5	3417.1	3417.1	3417.1	3400.7
22.5°	3410.5	3400.7	3410.5	3417.1	3417.1	3413.8	3384.3	3361.4	3354.8	3354.8	3335.1
25°	3328.5	3318.7	3328.5	3328.5	3325.3	3328.5	3318.7	3305.6	3295.8	3285.9	3266.2
27.5°	3249.8	3243.2	3249.8	3243.2	3249.8	3240.0	3236.8	3233.5	3220.4	3210.5	3184.2
30°	3171.1	3164.6	3171.1	3164.6	3158.1	3151.5	3135.1	3128.5	3141.6	3135.1	3092.5
32.5°	3072.8	3066.2	3072.8	3072.8	3066.2	3066.2	3039.9	3030.2	3033.5	3053.1	3013.8
35°	2971.1	2961.3	2971.1	2967.9	2971.1	2961.3	2944.9	2941.6	2928.5	2951.4	2921.9
37.5°	2853.0	2843.2	2853.0	2853.0	2853.0	2859.6	2846.5	2836.7	2817.0	2846.5	2823.6
40°	2731.7	2718.6	2731.7	2728.4	2731.7	2738.3	2731.7	2725.1	2705.4	2728.4	2708.7
42.5°	2594.0	2590.7	2594.0	2597.2	2597.2	2610.4	2620.2	2607.1	2600.5	2584.1	2597.2
45°	2446.4	2439.8	2446.4	2452.9	2456.2	2462.8	2492.4	2492.4	2482.5	2456.2	2475.9
47.5°	2289.0	2272.6	2289.0	2308.6	2308.6	2318.5	2348.0	2370.9	2354.6	2321.8	2331.6
50°	2121.7	2125.0	2121.7	2134.9	2134.9	2170.9	2193.9	2216.9	2233.3	2193.9	2148.0
52.5°	1957.8	1954.5	1957.8	1967.7	1980.7	1997.1	2036.5	2059.4	2085.7	2062.7	1990.6
55°	1793.8	1800.4	1793.8	1797.1	1803.7	1813.5	1872.5	1895.5	1944.7	1915.1	1839.7
57.5°	1629.9	1620.0	1629.9	1636.4	1639.6	1649.5	1698.8	1741.4	1770.8	1774.1	1682.3
60°	1439.6	1426.6	1439.6	1469.2	1475.7	1482.3	1528.2	1567.6	1593.8	1603.6	1508.5
62.5°	1272.4	1249.4	1272.4	1292.1	1305.1	1321.6	1354.4	1413.4	1436.3	1439.6	1305.1
65°	1095.3	1085.5	1095.3	1134.7	1137.9	1157.6	1193.7	1236.3	1285.5	1279.0	1085.5
67.5°	934.6	934.6	934.6	960.9	980.5	990.4	1036.2	1055.9	1118.2	1124.8	905.1
70°	787.0	783.7	787.0	806.7	819.9	842.8	885.5	908.3	957.6	973.9	734.6
72.5°	646.0	642.7	646.0	662.4	675.6	695.3	731.3	757.6	800.2	819.9	570.6
75°	521.4	514.8	521.4	534.5	531.3	557.5	587.0	613.3	652.6	665.7	423.1
77.5°	400.1	400.1	400.1	413.2	413.2	439.4	452.5	485.4	508.3	528.0	311.5
80°	298.5	295.2	298.5	301.7	301.7	314.8	337.8	360.8	380.4	380.4	213.2
82.5°	209.9	203.3	209.9	209.9	209.9	216.5	229.6	236.1	249.2	259.1	134.5
85°	131.2	131.2	131.2	134.5	131.2	137.7	141.0	147.6	147.6	141.0	82.0
87.5°	85.3	82.0	85.3	82.0	82.0	78.7	78.7	78.7	75.4	72.2	45.9
90°	30.6	30.6	30.6	30.6	30.6	40.8	54.5	61.2	52.6	35.5	22.6
92.5°	122.8	98.4	122.8	147.1	153.2	217.2	302.3	345.0	302.9	218.7	155.6
95°	427.7	353.9	427.7	501.6	520.0	682.8	899.9	1008.4	851.7	538.2	303.1
97.5°	1024.7	884.3	1024.7	1165.2	1200.3	1303.2	1440.4	1509.0	1247.7	725.0	332.9
100°	1476.5	1309.1	1476.5	1643.7	1685.6	1678.0	1668.0	1663.0	1373.0	792.9	357.9
102.5°	1920.8	1777.4	1920.8	2064.1	2099.9	1968.8	1793.9	1706.5	1412.3	824.0	382.9
105°	2487.2	2410.2	2487.2	2564.3	2583.5	2289.6	1897.6	1701.7	1416.9	847.2	420.0
107.5°	2858.4	2877.0	2858.4	2839.7	2835.0	2425.0	1878.3	1605.0	1353.8	851.6	474.8
110°	2999.8	3080.1	2999.8	2919.6	2899.5	2441.1	1830.0	1524.3	1297.9	845.1	505.4



TEST NUMBER: P935394

CATALOG NUMBER: SQ4-FA-100U-125D-B2750-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3012.4	3135.7	3012.4	2889.3	2858.5	2389.3	1763.8	1451.0	1249.1	845.4	542.5
115°	2932.6	3103.5	2932.6	2761.7	2719.0	2267.1	1664.5	1363.1	1193.1	853.1	598.2
117.5°	2763.2	2952.7	2763.2	2573.7	2526.3	2118.4	1574.5	1302.6	1158.1	869.0	652.1
120°	2626.8	2810.9	2626.8	2442.6	2396.5	2023.9	1527.0	1278.5	1146.3	881.9	683.5
122.5°	2493.8	2675.4	2493.8	2312.2	2266.8	1931.1	1483.6	1259.9	1140.0	900.4	720.6
125°	2304.2	2471.5	2304.2	2136.9	2095.1	1810.0	1429.9	1239.7	1135.0	925.4	768.2
127.5°	2133.6	2274.8	2133.6	1992.5	1957.2	1712.4	1386.1	1222.9	1132.1	950.4	814.2
130°	2033.2	2163.6	2033.2	1902.7	1870.2	1652.2	1361.6	1216.4	1133.8	968.6	844.8
132.5°	1942.0	2058.7	1942.0	1825.1	1795.9	1600.9	1340.8	1210.8	1135.0	983.4	869.8
135°	1817.1	1917.7	1817.1	1716.4	1691.2	1527.8	1310.0	1201.1	1133.9	999.6	898.8
137.5°	1716.8	1799.2	1716.8	1634.4	1613.8	1475.7	1291.5	1199.4	1140.9	1023.7	935.9
140°	1648.0	1725.0	1648.0	1571.0	1551.8	1432.5	1273.4	1193.8	1142.1	1038.5	960.9
142.5°	1591.1	1657.4	1591.1	1524.8	1508.2	1403.4	1263.7	1193.8	1146.1	1050.9	979.4
145°	1505.6	1555.7	1505.6	1455.4	1442.9	1357.2	1242.9	1185.8	1146.2	1067.1	1007.7
147.5°	1440.0	1481.6	1440.0	1398.5	1388.1	1320.7	1230.7	1185.8	1154.1	1090.7	1043.1
150°	1398.8	1432.5	1398.8	1365.1	1356.7	1299.7	1223.8	1185.8	1158.1	1103.0	1061.6
152.5°	1363.5	1388.9	1363.5	1338.1	1331.7	1283.1	1218.2	1185.8	1160.9	1111.1	1073.7
155°	1322.9	1339.7	1322.9	1306.0	1301.9	1263.2	1211.5	1185.8	1166.8	1128.8	1100.3
157.5°	1290.8	1302.6	1290.8	1279.0	1276.1	1245.9	1205.8	1185.8	1172.7	1146.5	1126.9
160°	1271.7	1278.5	1271.7	1264.9	1263.2	1237.4	1203.0	1185.8	1175.4	1154.7	1139.1
162.5°	1259.1	1265.6	1259.1	1252.7	1251.1	1229.3	1200.3	1185.8	1178.2	1163.2	1151.9
165°	1241.1	1247.9	1241.1	1234.3	1232.6	1217.0	1196.1	1185.8	1182.4	1175.6	1170.5
167.5°	1228.0	1230.9	1228.0	1225.1	1224.4	1214.3	1200.6	1193.8	1190.9	1185.2	1180.9
170°	1224.4	1224.4	1224.4	1224.4	1224.4	1214.3	1200.6	1193.8	1193.6	1193.3	1193.0
172.5°	1214.9	1212.4	1214.9	1217.5	1218.0	1210.0	1199.2	1193.8	1193.8	1193.8	1193.8
175°	1209.1	1209.1	1209.1	1209.1	1209.1	1204.0	1197.2	1193.8	1195.5	1198.7	1201.1
177.5°	1204.0	1201.1	1204.0	1206.9	1207.6	1203.5	1198.2	1195.5	1196.7	1199.2	1201.1
180°	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1



TEST NUMBER: P935394

CATALOG NUMBER: SQ4-FA-100U-125D-B2750-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3
2.5°	3515.4	3495.8	3495.8	3463.0	3449.9	3440.0	3423.7	3374.4	3361.4	3348.2	3368.0
5°	3545.0	3508.9	3482.7	3423.7	3374.4	3354.8	3292.5	3174.4	3095.8	3036.7	3003.9
7.5°	3551.6	3505.6	3456.4	3364.7	3246.5	3194.1	3003.9	2787.4	2728.4	2676.0	2643.1
10°	3545.0	3492.6	3423.7	3285.9	3007.2	2915.3	2725.1	2584.1	2548.1	2538.2	2548.1
12.5°	3522.0	3472.8	3377.7	3148.2	2758.0	2695.7	2584.1	2502.2	2495.6	2512.0	2600.5
15°	3482.7	3436.8	3325.3	2964.6	2620.2	2574.3	2495.6	2466.1	2502.2	2617.0	2882.6
17.5°	3443.3	3390.8	3253.1	2784.2	2515.2	2482.5	2426.8	2485.8	2689.1	2843.2	2931.7
20°	3390.8	3328.5	3171.1	2653.0	2439.8	2410.3	2384.1	2649.7	2803.9	2859.6	2908.8
22.5°	3328.5	3263.0	3059.6	2561.2	2361.2	2338.2	2354.6	2741.6	2803.9	2843.2	2885.9
25°	3246.5	3190.8	2928.5	2489.1	2298.9	2272.6	2334.9	2731.7	2767.8	2777.6	2862.9
27.5°	3171.1	3099.0	2790.7	2423.5	2223.4	2213.6	2351.3	2689.1	2715.3	2725.1	2817.0
30°	3079.3	2971.1	2636.6	2354.6	2144.7	2141.4	2354.6	2636.6	2630.1	2656.3	2748.1
32.5°	2984.2	2780.9	2462.8	2269.3	2069.3	2066.0	2331.6	2557.9	2551.4	2587.4	2656.3
35°	2895.7	2633.4	2226.7	2170.9	1974.1	1977.4	2275.9	2466.1	2469.4	2502.2	2544.8
37.5°	2803.9	2505.4	1967.7	2062.7	1882.4	1882.4	2200.4	2380.8	2374.2	2384.1	2443.1
40°	2695.7	2305.3	1738.1	1921.7	1797.1	1787.2	2108.6	2289.0	2266.0	2262.8	2344.8
42.5°	2580.8	2085.7	1567.6	1734.8	1698.8	1685.6	1997.1	2177.5	2134.9	2144.7	2249.6
45°	2456.2	2026.7	1436.3	1465.9	1597.0	1587.2	1875.8	2049.6	2020.1	2046.3	2154.6
47.5°	2331.6	1908.5	1393.7	1216.7	1488.9	1485.6	1741.4	1925.0	1908.5	1934.8	2049.6
50°	2161.1	1777.4	1390.4	1042.8	1367.5	1380.6	1580.6	1803.7	1803.7	1826.6	1948.0
52.5°	1941.4	1616.7	1262.5	944.5	1226.5	1265.8	1439.6	1698.8	1705.2	1728.2	1836.4
55°	1741.4	1449.5	1170.7	869.0	1059.2	1144.5	1301.9	1590.5	1603.6	1626.6	1724.9
57.5°	1557.7	1206.8	1151.1	780.5	905.1	987.1	1180.5	1485.6	1492.1	1511.8	1606.9
60°	1361.0	872.3	1055.9	685.4	770.6	833.0	1069.1	1361.0	1383.9	1397.0	1479.0
62.5°	1137.9	633.0	957.6	619.8	705.0	718.2	977.2	1242.8	1272.4	1282.3	1331.4
65°	810.0	531.3	813.3	564.1	636.1	639.4	878.9	1121.5	1147.8	1164.2	1200.2
67.5°	547.7	432.9	619.8	511.5	583.7	587.0	783.7	980.5	1016.6	1029.8	1052.7
70°	380.4	288.6	459.1	455.8	524.7	531.3	682.1	852.6	885.5	895.3	908.3
72.5°	278.8	232.9	380.4	409.9	462.4	469.0	577.1	708.3	741.1	751.0	757.6
75°	213.2	245.9	308.2	357.5	393.5	396.8	472.2	577.1	600.1	606.7	610.0
77.5°	170.5	229.6	226.3	288.6	321.4	314.8	370.5	446.0	465.7	465.7	465.7
80°	127.9	180.3	170.5	206.6	236.1	229.6	265.6	318.1	324.6	331.2	327.9
82.5°	95.1	114.7	114.7	131.2	157.4	150.9	177.1	206.6	206.6	206.6	213.2
85°	59.0	65.6	52.4	68.9	88.6	85.3	98.4	111.5	114.7	114.7	108.2
87.5°	36.0	29.6	16.4	26.3	39.3	39.3	45.9	49.2	45.9	45.9	45.9
90°	20.9	14.5	8.0	14.5	20.9	22.6	35.5	52.6	61.2	54.5	40.8
92.5°	142.0	87.1	32.3	87.1	142.0	155.6	218.7	302.9	345.0	302.3	217.2
95°	278.0	177.7	77.4	177.7	278.0	303.1	538.2	851.7	1008.4	899.9	682.8
97.5°	310.9	222.3	133.8	222.3	310.9	332.9	725.0	1247.7	1509.0	1440.4	1303.2
100°	337.9	257.6	177.3	257.6	337.9	357.9	792.9	1373.0	1663.0	1668.0	1678.0
102.5°	364.2	289.2	214.4	289.2	364.2	382.9	824.0	1412.3	1706.5	1793.9	1968.8
105°	404.1	340.7	277.3	340.7	404.1	420.0	847.2	1416.9	1701.7	1897.6	2289.6
107.5°	460.0	400.9	341.8	400.9	460.0	474.8	851.6	1353.8	1605.0	1878.3	2425.0
110°	492.1	438.7	385.3	438.7	492.1	505.4	845.1	1297.9	1524.3	1830.0	2441.1



TEST NUMBER: P935394

CATALOG NUMBER: SQ4-FA-100U-125D-B2750-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	529.8	478.9	428.0	478.9	529.8	542.5	845.4	1249.1	1451.0	1763.8	2389.3
115°	586.4	539.4	492.5	539.4	586.4	598.2	853.1	1193.1	1363.1	1664.5	2267.1
117.5°	641.5	598.8	556.2	598.8	641.5	652.1	869.0	1158.1	1302.6	1574.5	2118.4
120°	673.6	633.4	593.3	633.4	673.6	683.5	881.9	1146.3	1278.5	1527.0	2023.9
122.5°	710.6	670.1	629.6	670.1	710.6	720.6	900.4	1140.0	1259.9	1483.6	1931.1
125°	759.0	722.1	685.2	722.1	759.0	768.2	925.4	1135.0	1239.7	1429.9	1810.0
127.5°	804.9	767.5	730.3	767.5	804.9	814.2	950.4	1132.1	1222.9	1386.1	1712.4
130°	834.7	794.6	754.5	794.6	834.7	844.8	968.6	1133.8	1216.4	1361.6	1652.2
132.5°	859.7	819.6	779.5	819.6	859.7	869.8	983.4	1135.0	1210.8	1340.8	1600.9
135°	889.7	853.1	816.6	853.1	889.7	898.8	999.6	1133.9	1201.1	1310.0	1527.8
137.5°	926.8	890.6	854.5	890.6	926.8	935.9	1023.7	1140.9	1199.4	1291.5	1475.7
140°	952.5	919.2	885.9	919.2	952.5	960.9	1038.5	1142.1	1193.8	1273.4	1432.5
142.5°	971.7	940.9	910.1	940.9	971.7	979.4	1050.9	1146.1	1193.8	1263.7	1403.4
145°	1001.0	974.0	947.2	974.0	1001.0	1007.7	1067.1	1146.2	1185.8	1242.9	1357.2
147.5°	1036.5	1010.4	984.2	1010.4	1036.5	1043.1	1090.7	1154.1	1185.8	1230.7	1320.7
150°	1055.7	1032.1	1008.4	1032.1	1055.7	1061.6	1103.0	1158.1	1185.8	1223.8	1299.7
152.5°	1069.3	1051.4	1033.4	1051.4	1069.3	1073.7	1111.1	1160.9	1185.8	1218.2	1283.1
155°	1097.0	1083.7	1070.5	1083.7	1097.0	1100.3	1128.8	1166.8	1185.8	1211.5	1263.2
157.5°	1123.7	1110.8	1097.9	1110.8	1123.7	1126.9	1146.5	1172.7	1185.8	1205.8	1245.9
160°	1136.5	1126.6	1116.5	1126.6	1136.5	1139.1	1154.7	1175.4	1185.8	1203.0	1237.4
162.5°	1150.1	1142.5	1135.0	1142.5	1150.1	1151.9	1163.2	1178.2	1185.8	1200.3	1229.3
165°	1168.7	1161.9	1155.1	1161.9	1168.7	1170.5	1175.6	1182.4	1185.8	1196.1	1217.0
167.5°	1180.1	1176.9	1173.7	1176.9	1180.1	1180.9	1185.2	1190.9	1193.8	1200.6	1214.3
170°	1192.3	1189.0	1185.8	1189.0	1192.3	1193.0	1193.3	1193.6	1193.8	1200.6	1214.3
172.5°	1193.6	1192.9	1192.3	1192.9	1193.6	1193.8	1193.8	1193.8	1193.8	1199.2	1210.0
175°	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1198.7	1195.5	1193.8	1197.2	1204.0
177.5°	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1199.2	1196.7	1195.5	1198.2	1203.5
180°	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1



TEST NUMBER: P935394

CATALOG NUMBER: SQ4-FA-100U-125D-B2750-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3
2.5°	3345.0	3335.1	3348.2	3312.1	3348.2	3335.1	3345.0	3368.0	3348.2	3361.4	3374.4
5°	2935.0	2918.6	2866.2	2823.6	2866.2	2918.6	2935.0	3003.9	3036.7	3095.8	3174.4
7.5°	2623.5	2610.4	2597.2	2571.0	2597.2	2610.4	2623.5	2643.1	2676.0	2728.4	2787.4
10°	2554.7	2557.9	2577.5	2574.3	2577.5	2557.9	2554.7	2548.1	2538.2	2548.1	2584.1
12.5°	2731.7	2761.3	2869.4	2862.9	2869.4	2761.3	2731.7	2600.5	2512.0	2495.6	2502.2
15°	2935.0	2944.9	2967.9	2971.1	2967.9	2944.9	2935.0	2882.6	2617.0	2502.2	2466.1
17.5°	2954.7	2958.0	2974.3	2974.3	2974.3	2958.0	2954.7	2931.7	2843.2	2689.1	2485.8
20°	2938.3	2944.9	2977.6	2984.2	2977.6	2944.9	2938.3	2908.8	2859.6	2803.9	2649.7
22.5°	2931.7	2944.9	2971.1	2967.9	2971.1	2944.9	2931.7	2885.9	2843.2	2803.9	2741.6
25°	2899.0	2899.0	2902.3	2905.5	2902.3	2899.0	2899.0	2862.9	2777.6	2767.8	2731.7
27.5°	2830.1	2836.7	2856.3	2853.0	2856.3	2836.7	2830.1	2817.0	2725.1	2715.3	2689.1
30°	2767.8	2761.3	2744.8	2731.7	2744.8	2761.3	2767.8	2748.1	2656.3	2630.1	2636.6
32.5°	2662.8	2646.4	2630.1	2620.2	2630.1	2646.4	2662.8	2656.3	2587.4	2551.4	2557.9
35°	2538.2	2541.5	2538.2	2528.4	2538.2	2541.5	2538.2	2544.8	2502.2	2469.4	2466.1
37.5°	2449.7	2456.2	2452.9	2439.8	2452.9	2456.2	2449.7	2443.1	2384.1	2374.2	2380.8
40°	2357.9	2361.2	2357.9	2348.0	2357.9	2361.2	2357.9	2344.8	2262.8	2266.0	2289.0
42.5°	2269.3	2266.0	2256.2	2249.6	2256.2	2266.0	2269.3	2249.6	2144.7	2134.9	2177.5
45°	2167.7	2170.9	2151.3	2141.4	2151.3	2170.9	2167.7	2154.6	2046.3	2020.1	2049.6
47.5°	2066.0	2066.0	2049.6	2039.7	2049.6	2066.0	2066.0	2049.6	1934.8	1908.5	1925.0
50°	1957.8	1954.5	1931.5	1928.3	1931.5	1954.5	1957.8	1948.0	1826.6	1803.7	1803.7
52.5°	1833.2	1833.2	1836.4	1843.0	1836.4	1833.2	1833.2	1836.4	1728.2	1705.2	1698.8
55°	1724.9	1728.2	1751.2	1757.8	1751.2	1728.2	1724.9	1724.9	1626.6	1603.6	1590.5
57.5°	1613.5	1613.5	1629.9	1629.9	1629.9	1613.5	1613.5	1606.9	1511.8	1492.1	1485.6
60°	1485.6	1492.1	1505.2	1502.0	1505.2	1492.1	1485.6	1479.0	1397.0	1383.9	1361.0
62.5°	1351.1	1357.7	1361.0	1354.4	1361.0	1357.7	1351.1	1331.4	1282.3	1272.4	1242.8
65°	1210.1	1216.7	1220.0	1213.4	1220.0	1216.7	1210.1	1200.2	1164.2	1147.8	1121.5
67.5°	1065.8	1062.5	1059.2	1072.4	1059.2	1062.5	1065.8	1052.7	1029.8	1016.6	980.5
70°	918.2	918.2	914.9	921.5	914.9	918.2	918.2	908.3	895.3	885.5	852.6
72.5°	760.9	757.6	770.6	760.9	770.6	757.6	760.9	757.6	751.0	741.1	708.3
75°	606.7	613.3	606.7	616.5	606.7	613.3	606.7	610.0	606.7	600.1	577.1
77.5°	462.4	469.0	462.4	462.4	462.4	469.0	462.4	465.7	465.7	465.7	446.0
80°	327.9	324.6	324.6	321.4	324.6	324.6	327.9	327.9	331.2	324.6	318.1
82.5°	209.9	206.6	206.6	213.2	206.6	206.6	209.9	213.2	206.6	206.6	206.6
85°	114.7	118.0	111.5	111.5	111.5	118.0	114.7	108.2	114.7	114.7	111.5
87.5°	42.6	39.3	39.3	39.3	39.3	39.3	42.6	45.9	45.9	45.9	49.2
90°	30.6	30.6	30.6	30.6	30.6	30.6	30.6	40.8	54.5	61.2	52.6
92.5°	153.2	147.1	122.8	98.4	122.8	147.1	153.2	217.2	302.3	345.0	302.9
95°	520.0	501.6	427.7	353.9	427.7	501.6	520.0	682.8	899.9	1008.4	851.7
97.5°	1200.3	1165.2	1024.7	884.3	1024.7	1165.2	1200.3	1303.2	1440.4	1509.0	1247.7
100°	1685.6	1643.7	1476.5	1309.1	1476.5	1643.7	1685.6	1678.0	1668.0	1663.0	1373.0
102.5°	2099.9	2064.1	1920.8	1777.4	1920.8	2064.1	2099.9	1968.8	1793.9	1706.5	1412.3
105°	2583.5	2564.3	2487.2	2410.2	2487.2	2564.3	2583.5	2289.6	1897.6	1701.7	1416.9
107.5°	2835.0	2839.7	2858.4	2877.0	2858.4	2839.7	2835.0	2425.0	1878.3	1605.0	1353.8
110°	2899.5	2919.6	2999.8	3080.1	2999.8	2919.6	2899.5	2441.1	1830.0	1524.3	1297.9



TEST NUMBER: P935394

CATALOG NUMBER: SQ4-FA-100U-125D-B2750-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2858.5	2889.3	3012.4	3135.7	3012.4	2889.3	2858.5	2389.3	1763.8	1451.0	1249.1
115°	2719.0	2761.7	2932.6	3103.5	2932.6	2761.7	2719.0	2267.1	1664.5	1363.1	1193.1
117.5°	2526.3	2573.7	2763.2	2952.7	2763.2	2573.7	2526.3	2118.4	1574.5	1302.6	1158.1
120°	2396.5	2442.6	2626.8	2810.9	2626.8	2442.6	2396.5	2023.9	1527.0	1278.5	1146.3
122.5°	2266.8	2312.2	2493.8	2675.4	2493.8	2312.2	2266.8	1931.1	1483.6	1259.9	1140.0
125°	2095.1	2136.9	2304.2	2471.5	2304.2	2136.9	2095.1	1810.0	1429.9	1239.7	1135.0
127.5°	1957.2	1992.5	2133.6	2274.8	2133.6	1992.5	1957.2	1712.4	1386.1	1222.9	1132.1
130°	1870.2	1902.7	2033.2	2163.6	2033.2	1902.7	1870.2	1652.2	1361.6	1216.4	1133.8
132.5°	1795.9	1825.1	1942.0	2058.7	1942.0	1825.1	1795.9	1600.9	1340.8	1210.8	1135.0
135°	1691.2	1716.4	1817.1	1917.7	1817.1	1716.4	1691.2	1527.8	1310.0	1201.1	1133.9
137.5°	1613.8	1634.4	1716.8	1799.2	1716.8	1634.4	1613.8	1475.7	1291.5	1199.4	1140.9
140°	1551.8	1571.0	1648.0	1725.0	1648.0	1571.0	1551.8	1432.5	1273.4	1193.8	1142.1
142.5°	1508.2	1524.8	1591.1	1657.4	1591.1	1524.8	1508.2	1403.4	1263.7	1193.8	1146.1
145°	1442.9	1455.4	1505.6	1555.7	1505.6	1455.4	1442.9	1357.2	1242.9	1185.8	1146.2
147.5°	1388.1	1398.5	1440.0	1481.6	1440.0	1398.5	1388.1	1320.7	1230.7	1185.8	1154.1
150°	1356.7	1365.1	1398.8	1432.5	1398.8	1365.1	1356.7	1299.7	1223.8	1185.8	1158.1
152.5°	1331.7	1338.1	1363.5	1388.9	1363.5	1338.1	1331.7	1283.1	1218.2	1185.8	1160.9
155°	1301.9	1306.0	1322.9	1339.7	1322.9	1306.0	1301.9	1263.2	1211.5	1185.8	1166.8
157.5°	1276.1	1279.0	1290.8	1302.6	1290.8	1279.0	1276.1	1245.9	1205.8	1185.8	1172.7
160°	1263.2	1264.9	1271.7	1278.5	1271.7	1264.9	1263.2	1237.4	1203.0	1185.8	1175.4
162.5°	1251.1	1252.7	1259.1	1265.6	1259.1	1252.7	1251.1	1229.3	1200.3	1185.8	1178.2
165°	1232.6	1234.3	1241.1	1247.9	1241.1	1234.3	1232.6	1217.0	1196.1	1185.8	1182.4
167.5°	1224.4	1225.1	1228.0	1230.9	1228.0	1225.1	1224.4	1214.3	1200.6	1193.8	1190.9
170°	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1214.3	1200.6	1193.8	1193.6
172.5°	1218.0	1217.5	1214.9	1212.4	1214.9	1217.5	1218.0	1210.0	1199.2	1193.8	1193.8
175°	1209.1	1209.1	1209.1	1209.1	1209.1	1209.1	1209.1	1204.0	1197.2	1193.8	1195.5
177.5°	1207.6	1206.9	1204.0	1201.1	1204.0	1206.9	1207.6	1203.5	1198.2	1195.5	1196.7
180°	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1



TEST NUMBER: P935394

CATALOG NUMBER: SQ4-FA-100U-125D-B2750-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3466.3	3466.3	3466.3	3466.3	3466.3
2.5°	3423.7	3440.0	3449.9	3463.0	3495.8
5°	3292.5	3354.8	3374.4	3423.7	3482.7
7.5°	3003.9	3194.1	3246.5	3364.7	3456.4
10°	2725.1	2915.3	3007.2	3285.9	3423.7
12.5°	2584.1	2695.7	2758.0	3148.2	3377.7
15°	2495.6	2574.3	2620.2	2964.6	3325.3
17.5°	2426.8	2482.5	2515.2	2784.2	3253.1
20°	2384.1	2410.3	2439.8	2653.0	3171.1
22.5°	2354.6	2338.2	2361.2	2561.2	3059.6
25°	2334.9	2272.6	2298.9	2489.1	2928.5
27.5°	2351.3	2213.6	2223.4	2423.5	2790.7
30°	2354.6	2141.4	2144.7	2354.6	2636.6
32.5°	2331.6	2066.0	2069.3	2269.3	2462.8
35°	2275.9	1977.4	1974.1	2170.9	2226.7
37.5°	2200.4	1882.4	1882.4	2062.7	1967.7
40°	2108.6	1787.2	1797.1	1921.7	1738.1
42.5°	1997.1	1685.6	1698.8	1734.8	1567.6
45°	1875.8	1587.2	1597.0	1465.9	1436.3
47.5°	1741.4	1485.6	1488.9	1216.7	1393.7
50°	1580.6	1380.6	1367.5	1042.8	1390.4
52.5°	1439.6	1265.8	1226.5	944.5	1262.5
55°	1301.9	1144.5	1059.2	869.0	1170.7
57.5°	1180.5	987.1	905.1	780.5	1151.1
60°	1069.1	833.0	770.6	685.4	1055.9
62.5°	977.2	718.2	705.0	619.8	957.6
65°	878.9	639.4	636.1	564.1	813.3
67.5°	783.7	587.0	583.7	511.5	619.8
70°	682.1	531.3	524.7	455.8	459.1
72.5°	577.1	469.0	462.4	409.9	380.4
75°	472.2	396.8	393.5	357.5	308.2
77.5°	370.5	314.8	321.4	288.6	226.3
80°	265.6	229.6	236.1	206.6	170.5
82.5°	177.1	150.9	157.4	131.2	114.7
85°	98.4	85.3	88.6	68.9	52.4
87.5°	45.9	39.3	39.3	26.3	16.4
90°	35.5	22.6	20.9	14.5	8.0
92.5°	218.7	155.6	142.0	87.1	32.3
95°	538.2	303.1	278.0	177.7	77.4
97.5°	725.0	332.9	310.9	222.3	133.8
100°	792.9	357.9	337.9	257.6	177.3
102.5°	824.0	382.9	364.2	289.2	214.4
105°	847.2	420.0	404.1	340.7	277.3
107.5°	851.6	474.8	460.0	400.9	341.8
110°	845.1	505.4	492.1	438.7	385.3



TEST NUMBER: P935394

CATALOG NUMBER: SQ4-FA-100U-125D-B2750-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	845.4	542.5	529.8	478.9	428.0
115°	853.1	598.2	586.4	539.4	492.5
117.5°	869.0	652.1	641.5	598.8	556.2
120°	881.9	683.5	673.6	633.4	593.3
122.5°	900.4	720.6	710.6	670.1	629.6
125°	925.4	768.2	759.0	722.1	685.2
127.5°	950.4	814.2	804.9	767.5	730.3
130°	968.6	844.8	834.7	794.6	754.5
132.5°	983.4	869.8	859.7	819.6	779.5
135°	999.6	898.8	889.7	853.1	816.6
137.5°	1023.7	935.9	926.8	890.6	854.5
140°	1038.5	960.9	952.5	919.2	885.9
142.5°	1050.9	979.4	971.7	940.9	910.1
145°	1067.1	1007.7	1001.0	974.0	947.2
147.5°	1090.7	1043.1	1036.5	1010.4	984.2
150°	1103.0	1061.6	1055.7	1032.1	1008.4
152.5°	1111.1	1073.7	1069.3	1051.4	1033.4
155°	1128.8	1100.3	1097.0	1083.7	1070.5
157.5°	1146.5	1126.9	1123.7	1110.8	1097.9
160°	1154.7	1139.1	1136.5	1126.6	1116.5
162.5°	1163.2	1151.9	1150.1	1142.5	1135.0
165°	1175.6	1170.5	1168.7	1161.9	1155.1
167.5°	1185.2	1180.9	1180.1	1176.9	1173.7
170°	1193.3	1193.0	1192.3	1189.0	1185.8
172.5°	1193.8	1193.8	1193.6	1192.9	1192.3
175°	1198.7	1201.1	1201.1	1201.1	1201.1
177.5°	1199.2	1201.1	1201.1	1201.1	1201.1
180°	1201.1	1201.1	1201.1	1201.1	1201.1



TEST NUMBER: P935394
 CATALOG NUMBER: SQ4-FA-100U-125D-B2750-1D-UNV-STD-W-8-3500K

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	14.78	15.68	15.71	16.62	17.84	17.62	18.52	18.55	19.46	20.68
	3H	15.26	16.07	16.20	17.02	18.26	18.97	19.77	19.91	20.73	21.97
	4H	15.46	16.21	16.41	17.17	18.42	19.42	20.18	20.37	21.14	22.39
	6H	15.58	16.28	16.54	17.24	18.50	19.71	20.41	20.67	21.37	22.63
	8H	15.58	16.24	16.55	17.22	18.49	19.78	20.45	20.75	21.43	22.69
	12H	15.55	16.18	16.53	17.16	18.45	19.83	20.46	20.80	21.43	22.72
4H	2H	15.82	16.58	16.78	17.54	18.79	18.03	18.79	18.99	19.75	21.00
	3H	16.85	17.48	17.82	18.47	19.74	19.55	20.18	20.51	21.17	22.43
	4H	17.13	17.71	18.11	18.69	19.98	20.08	20.65	21.05	21.64	22.93
	6H	17.26	17.75	18.25	18.76	20.05	20.45	20.94	21.44	21.95	23.24
	8H	17.26	17.73	18.25	18.73	20.03	20.56	21.02	21.55	22.02	23.32
	12H	17.23	17.65	18.24	18.67	19.97	20.61	21.03	21.62	22.05	23.36
8H	4H	17.59	18.05	18.58	19.05	20.35	20.20	20.67	21.20	21.67	22.97
	6H	17.85	18.23	18.87	19.27	20.58	20.64	21.03	21.66	22.07	23.37
	8H	17.89	18.23	18.92	19.26	20.58	20.80	21.14	21.82	22.16	23.48
	12H	17.88	18.18	18.91	19.20	20.56	20.90	21.20	21.93	22.22	23.58
12H	4H	17.60	18.02	18.61	19.03	20.34	20.17	20.59	21.18	21.60	22.91
	6H	17.91	18.25	18.94	19.28	20.60	20.64	20.98	21.67	22.01	23.33
	8H	17.98	18.28	19.01	19.30	20.66	20.81	21.10	21.83	22.12	23.49