

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: P935368

Luminaire Tested: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-8-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935368
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-8-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

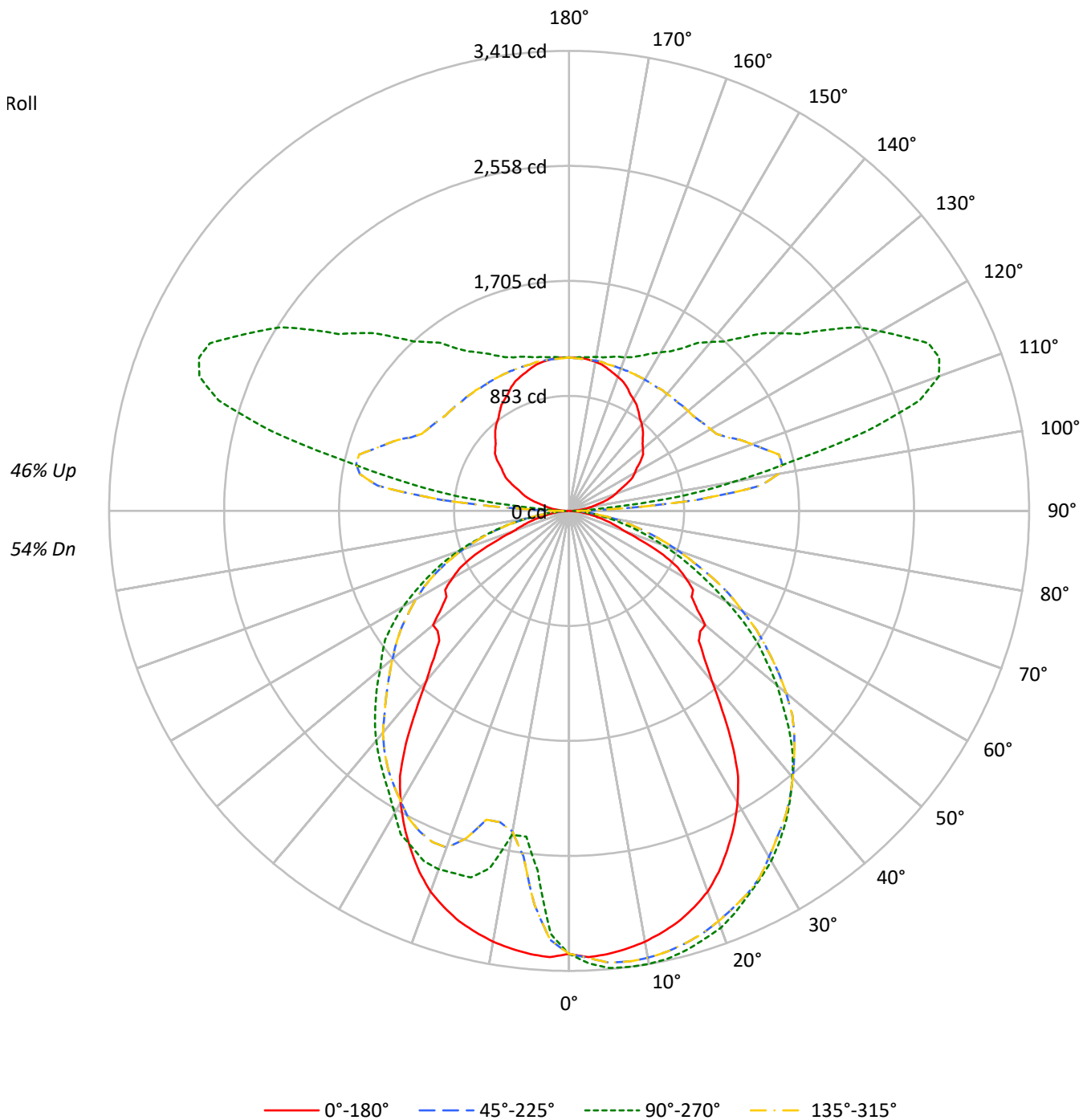
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15889.9 lumens
Efficiency: N/A
Efficacy: 115.5 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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	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°	15231	15231	15231	15231
5°	15345	15375	15345	12089
10°	15242	15145	15242	10828
15°	15076	14817	15076	12372
20°	14761	14428	14761	12398
25°	14116	13861	14116	12135
30°	13282	13390	13282	11559
35°	11840	12795	11840	10925
40°	9866	12094	9866	10446
45°	8815	11274	8815	9895
50°	9365	10295	9365	9342
55°	8812	9241	8812	9022
60°	9083	7849	9083	8263
65°	8235	6488	8235	7252
70°	5702	5170	5702	6079
75°	4999	3822	4999	4576
80°	4029	2527	4029	2752
85°	2310	1339	2310	1138

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13511 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.3	1.9
10°-20°	841.4	5.3
20°-30°	1300.6	8.2
30°-40°	1552.6	9.8
40°-50°	1561.7	9.8
50°-60°	1358.9	8.6
60°-70°	963.5	6.1
70°-80°	509.7	3.2
80°-90°	131.3	0.8
90°-100°	554.5	3.5
100°-110°	1457.7	9.2
110°-120°	1511.5	9.5
120°-130°	1212.4	7.6
130°-140°	951.3	6.0
140°-150°	730.2	4.6
150°-160°	525.8	3.3
160°-170°	321.7	2.0
170°-180°	108.7	0.7
0°-30°	2438.3	15.3
0°-40°	3990.9	25.1
0°-60°	6911.5	43.5
0°-90°	8516.0	53.6
90°-120°	3523.7	22.2
90°-150°	6417.7	40.4
90°-180°	7374.0	46.4
0°-180°	15889.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3283	3283	3283	3283	3283	
5°	3298	3401	3298	2674	3298	313
15°	3149	3370	3149	2814	3149	886
25°	2774	3143	2774	2752	2774	1273
35°	2109	2804	2109	2394	2109	1305
45°	1360	2311	1360	2028	1360	1090
55°	1109	1705	1109	1665	1109	1019
65°	770	1028	770	1149	770	736
75°	292	488	292	584	292	307
85°	50	124	50	106	50	67
90°	8	29	8	29	8	8
95°	73	335	73	335	73	81
105°	263	2283	263	2283	263	278
115°	466	2939	466	2939	466	461
125°	649	2341	649	2341	649	576
135°	773	1816	773	1816	773	598
145°	897	1473	897	1473	897	562
155°	1014	1269	1014	1269	1014	466
165°	1094	1182	1094	1182	1094	309
175°	1138	1145	1138	1145	1138	108
180°	1138	1138	1138	1138	1138	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8
2.5°	3310.7	3310.7	3329.3	3335.5	3335.5	3326.3	3316.9	3326.3	3354.2	3363.5	3360.4
5°	3298.3	3323.2	3357.3	3363.5	3369.7	3366.7	3360.4	3366.7	3397.7	3403.9	3407.0
7.5°	3273.4	3320.0	3363.5	3372.8	3382.2	3372.8	3369.7	3375.9	3407.0	3413.2	3413.2
10°	3242.4	3307.6	3357.3	3363.5	3372.8	3363.5	3363.5	3375.9	3407.0	3413.2	3416.3
12.5°	3198.9	3288.9	3335.5	3341.8	3354.2	3351.1	3348.0	3360.4	3391.4	3397.7	3397.7
15°	3149.3	3254.8	3298.3	3304.5	3326.3	3320.0	3320.0	3332.4	3366.7	3375.9	3372.8
17.5°	3080.9	3211.3	3261.0	3270.3	3285.9	3282.8	3285.9	3298.3	3329.3	3335.5	3338.7
20°	3003.2	3152.3	3211.3	3220.7	3236.2	3236.2	3236.2	3251.7	3282.8	3295.2	3295.2
22.5°	2897.6	3090.2	3152.3	3158.5	3177.2	3177.2	3183.4	3205.1	3233.0	3236.2	3236.2
25°	2773.5	3021.9	3074.6	3093.3	3111.9	3121.3	3130.6	3143.0	3152.3	3149.3	3152.3
27.5°	2643.0	2934.9	3003.2	3015.6	3040.5	3049.9	3062.3	3065.4	3068.5	3077.8	3071.5
30°	2497.0	2813.8	2916.3	2928.7	2969.1	2975.3	2962.9	2969.1	2984.6	2990.9	2997.0
32.5°	2332.4	2633.7	2826.2	2854.2	2891.5	2872.8	2869.7	2879.0	2903.9	2903.9	2910.1
35°	2108.8	2493.9	2742.3	2767.2	2795.1	2773.5	2785.8	2789.0	2804.5	2813.8	2810.7
37.5°	1863.5	2372.8	2655.4	2674.1	2695.8	2667.8	2686.5	2695.8	2708.2	2702.0	2702.0
40°	1646.1	2183.3	2552.9	2565.3	2584.0	2562.2	2580.8	2587.1	2593.3	2587.1	2584.0
42.5°	1484.6	1975.2	2444.2	2459.7	2447.3	2462.8	2469.1	2481.4	2472.2	2459.7	2459.7
45°	1360.3	1919.4	2326.2	2344.8	2326.2	2351.0	2360.4	2360.4	2332.4	2326.2	2323.1
47.5°	1319.9	1807.5	2208.2	2208.2	2198.9	2229.9	2245.4	2223.7	2195.8	2186.4	2186.4
50°	1316.8	1683.3	2046.6	2034.3	2077.8	2115.0	2099.5	2077.8	2056.0	2021.9	2021.9
52.5°	1195.7	1531.1	1838.6	1885.2	1953.5	1975.2	1950.4	1928.6	1891.4	1875.9	1863.5
55°	1108.8	1372.8	1649.2	1742.3	1813.7	1841.7	1795.1	1773.4	1717.5	1708.2	1702.0
57.5°	1090.1	1142.9	1475.2	1593.2	1680.2	1677.1	1649.2	1608.8	1562.2	1552.8	1549.8
60°	1000.0	826.1	1288.9	1428.7	1518.7	1509.4	1484.6	1447.3	1403.8	1397.6	1391.4
62.5°	906.9	599.4	1077.6	1236.0	1363.4	1360.3	1338.5	1282.7	1251.6	1236.0	1223.7
65°	770.2	503.2	767.1	1028.0	1211.3	1217.4	1170.9	1130.5	1096.3	1077.6	1074.6
67.5°	587.0	409.9	518.7	857.2	1065.3	1059.0	1000.0	981.4	938.0	928.6	910.0
70°	434.8	273.3	360.3	695.7	922.4	906.9	860.2	838.6	798.2	776.5	764.0
72.5°	360.3	220.5	264.0	540.4	776.5	757.8	717.5	692.6	658.4	639.8	627.3
75°	291.9	232.9	201.9	400.7	630.5	618.1	580.8	555.9	527.9	503.2	506.2
77.5°	214.3	217.4	161.5	295.0	500.1	481.4	459.7	428.6	416.2	391.3	391.3
80°	161.5	170.8	121.1	201.9	360.3	360.3	341.7	319.9	298.2	285.8	285.8
82.5°	108.7	108.7	90.0	127.4	245.4	236.0	223.6	217.4	205.0	198.8	198.8
85°	49.6	62.1	55.9	77.6	133.5	139.8	139.8	133.5	130.4	124.3	127.4
87.5°	15.5	28.0	34.1	43.5	68.4	71.4	74.5	74.5	74.5	77.6	77.6
90°	7.6	13.8	19.8	21.4	33.6	49.8	58.0	51.6	38.6	29.0	29.0
92.5°	30.6	82.5	134.4	147.4	207.1	286.9	326.7	286.3	205.7	145.1	139.3
95°	73.3	168.3	263.3	287.1	509.7	806.6	955.0	852.3	646.6	492.4	475.0
97.5°	126.7	210.5	294.4	315.3	686.6	1181.6	1429.1	1364.2	1234.2	1136.7	1103.5
100°	167.9	243.9	320.0	339.0	750.9	1300.3	1574.9	1579.7	1589.2	1596.3	1556.7
102.5°	203.1	273.9	344.9	362.6	780.4	1337.5	1616.2	1698.9	1864.6	1988.7	1954.8
105°	262.6	322.7	382.7	397.7	802.3	1341.9	1611.6	1797.1	2168.3	2446.8	2428.5
107.5°	323.7	379.7	435.6	449.7	806.5	1282.1	1520.0	1778.9	2296.6	2684.9	2689.3
110°	364.9	415.4	466.0	478.7	800.3	1229.2	1443.6	1733.1	2311.9	2746.0	2765.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	405.3	453.5	501.8	513.8	800.6	1183.0	1374.2	1670.4	2262.8	2707.1	2736.3
115°	466.5	510.9	555.4	566.5	807.9	1130.0	1290.9	1576.3	2147.0	2575.1	2615.5
117.5°	526.8	567.1	607.5	617.6	823.0	1096.7	1233.7	1491.2	2006.3	2392.5	2437.4
120°	561.9	599.9	637.9	647.3	835.2	1085.6	1210.8	1446.1	1916.7	2269.6	2313.2
122.5°	596.2	634.6	672.9	682.5	852.7	1079.7	1193.2	1405.1	1828.9	2146.8	2189.8
125°	648.9	683.9	718.8	727.5	876.4	1074.9	1174.1	1354.2	1714.2	1984.1	2023.8
127.5°	691.7	726.9	762.2	771.0	900.1	1072.1	1158.1	1312.7	1621.8	1853.6	1887.0
130°	714.5	752.5	790.5	800.0	917.3	1073.8	1152.0	1289.5	1564.8	1771.2	1802.0
132.5°	738.2	776.2	814.2	823.7	931.4	1074.9	1146.7	1269.8	1516.1	1700.9	1728.5
135°	773.3	807.9	842.6	851.3	946.7	1073.9	1137.5	1240.6	1446.9	1601.7	1625.5
137.5°	809.2	843.5	877.8	886.3	969.5	1080.5	1135.9	1223.1	1397.6	1528.3	1547.9
140°	839.0	870.5	902.1	910.0	983.5	1081.6	1130.6	1205.9	1356.6	1469.6	1487.9
142.5°	861.9	891.1	920.3	927.5	995.2	1085.4	1130.6	1196.8	1329.1	1428.4	1444.1
145°	897.0	922.5	948.0	954.3	1010.6	1085.5	1123.0	1177.1	1285.3	1366.5	1378.4
147.5°	932.1	956.9	981.7	987.9	1033.0	1093.0	1123.0	1165.6	1250.7	1314.6	1324.4
150°	955.0	977.4	999.8	1005.4	1044.6	1096.8	1123.0	1159.0	1230.9	1284.9	1292.8
152.5°	978.7	995.7	1012.7	1016.9	1052.2	1099.4	1123.0	1153.7	1215.1	1261.2	1267.2
155°	1013.8	1026.4	1038.9	1042.0	1069.0	1105.0	1123.0	1147.4	1196.3	1232.9	1236.9
157.5°	1039.7	1052.0	1064.3	1067.3	1085.8	1110.6	1123.0	1142.0	1180.0	1208.5	1211.3
160°	1057.4	1066.9	1076.4	1078.8	1093.5	1113.2	1123.0	1139.3	1171.9	1196.3	1198.0
162.5°	1074.9	1082.1	1089.2	1091.0	1101.6	1115.8	1123.0	1136.7	1164.2	1184.8	1186.4
165°	1094.0	1100.4	1106.8	1108.5	1113.3	1119.8	1123.0	1132.8	1152.5	1167.3	1169.0
167.5°	1111.5	1114.5	1117.7	1118.4	1122.4	1127.8	1130.6	1137.0	1150.0	1159.6	1160.2
170°	1123.0	1126.0	1129.1	1129.9	1130.1	1130.4	1130.6	1137.0	1150.0	1159.6	1159.6
172.5°	1129.1	1129.8	1130.4	1130.6	1130.6	1130.6	1130.6	1135.7	1145.9	1153.5	1153.0
175°	1137.5	1137.5	1137.5	1137.5	1135.2	1132.2	1130.6	1133.8	1140.2	1145.1	1145.1
177.5°	1137.5	1137.5	1137.5	1137.5	1135.7	1133.4	1132.2	1134.7	1139.8	1143.6	1143.0
180°	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8
2.5°	3366.7	3357.3	3366.7	3360.4	3363.5	3354.2	3326.3	3316.9	3326.3	3335.5	3335.5
5°	3407.0	3400.8	3407.0	3407.0	3403.9	3397.7	3366.7	3360.4	3366.7	3369.7	3363.5
7.5°	3419.4	3410.1	3419.4	3413.2	3413.2	3407.0	3375.9	3369.7	3372.8	3382.2	3372.8
10°	3419.4	3410.1	3419.4	3416.3	3413.2	3407.0	3375.9	3363.5	3363.5	3372.8	3363.5
12.5°	3403.9	3397.7	3403.9	3397.7	3397.7	3391.4	3360.4	3348.0	3351.1	3354.2	3341.8
15°	3379.0	3369.7	3379.0	3372.8	3375.9	3366.7	3332.4	3320.0	3320.0	3326.3	3304.5
17.5°	3341.8	3329.3	3341.8	3338.7	3335.5	3329.3	3298.3	3285.9	3282.8	3285.9	3270.3
20°	3298.3	3288.9	3298.3	3295.2	3295.2	3282.8	3251.7	3236.2	3236.2	3236.2	3220.7
22.5°	3229.9	3220.7	3229.9	3236.2	3236.2	3233.0	3205.1	3183.4	3177.2	3177.2	3158.5
25°	3152.3	3143.0	3152.3	3152.3	3149.3	3152.3	3143.0	3130.6	3121.3	3111.9	3093.3
27.5°	3077.8	3071.5	3077.8	3071.5	3077.8	3068.5	3065.4	3062.3	3049.9	3040.5	3015.6
30°	3003.2	2997.0	3003.2	2997.0	2990.9	2984.6	2969.1	2962.9	2975.3	2969.1	2928.7
32.5°	2910.1	2903.9	2910.1	2910.1	2903.9	2903.9	2879.0	2869.7	2872.8	2891.5	2854.2
35°	2813.8	2804.5	2813.8	2810.7	2813.8	2804.5	2789.0	2785.8	2773.5	2795.1	2767.2
37.5°	2702.0	2692.7	2702.0	2702.0	2702.0	2708.2	2695.8	2686.5	2667.8	2695.8	2674.1
40°	2587.1	2574.7	2587.1	2584.0	2587.1	2593.3	2587.1	2580.8	2562.2	2584.0	2565.3
42.5°	2456.7	2453.5	2456.7	2459.7	2459.7	2472.2	2481.4	2469.1	2462.8	2447.3	2459.7
45°	2316.9	2310.7	2316.9	2323.1	2326.2	2332.4	2360.4	2360.4	2351.0	2326.2	2344.8
47.5°	2167.8	2152.3	2167.8	2186.4	2186.4	2195.8	2223.7	2245.4	2229.9	2198.9	2208.2
50°	2009.4	2012.5	2009.4	2021.9	2021.9	2056.0	2077.8	2099.5	2115.0	2077.8	2034.3
52.5°	1854.1	1851.0	1854.1	1863.5	1875.9	1891.4	1928.6	1950.4	1975.2	1953.5	1885.2
55°	1698.8	1705.1	1698.8	1702.0	1708.2	1717.5	1773.4	1795.1	1841.7	1813.7	1742.3
57.5°	1543.6	1534.2	1543.6	1549.8	1552.8	1562.2	1608.8	1649.2	1677.1	1680.2	1593.2
60°	1363.4	1351.0	1363.4	1391.4	1397.6	1403.8	1447.3	1484.6	1509.4	1518.7	1428.7
62.5°	1205.0	1183.3	1205.0	1223.7	1236.0	1251.6	1282.7	1338.5	1360.3	1363.4	1236.0
65°	1037.3	1028.0	1037.3	1074.6	1077.6	1096.3	1130.5	1170.9	1217.4	1211.3	1028.0
67.5°	885.1	885.1	885.1	910.0	928.6	938.0	981.4	1000.0	1059.0	1065.3	857.2
70°	745.4	742.2	745.4	764.0	776.5	798.2	838.6	860.2	906.9	922.4	695.7
72.5°	611.8	608.7	611.8	627.3	639.8	658.4	692.6	717.5	757.8	776.5	540.4
75°	493.8	487.6	493.8	506.2	503.2	527.9	555.9	580.8	618.1	630.5	400.7
77.5°	378.9	378.9	378.9	391.3	391.3	416.2	428.6	459.7	481.4	500.1	295.0
80°	282.7	279.5	282.7	285.8	285.8	298.2	319.9	341.7	360.3	360.3	201.9
82.5°	198.8	192.5	198.8	198.8	198.8	205.0	217.4	223.6	236.0	245.4	127.4
85°	124.3	124.3	124.3	127.4	124.3	130.4	133.5	139.8	139.8	133.5	77.6
87.5°	80.8	77.6	80.8	77.6	77.6	74.5	74.5	74.5	71.4	68.4	43.5
90°	29.0	29.0	29.0	29.0	29.0	38.6	51.6	58.0	49.8	33.6	21.4
92.5°	116.3	93.1	116.3	139.3	145.1	205.7	286.3	326.7	286.9	207.1	147.4
95°	405.1	335.1	405.1	475.0	492.4	646.6	852.3	955.0	806.6	509.7	287.1
97.5°	970.5	837.5	970.5	1103.5	1136.7	1234.2	1364.2	1429.1	1181.6	686.6	315.3
100°	1398.3	1239.8	1398.3	1556.7	1596.3	1589.2	1579.7	1574.9	1300.3	750.9	339.0
102.5°	1819.1	1683.3	1819.1	1954.8	1988.7	1864.6	1698.9	1616.2	1337.5	780.4	362.6
105°	2355.5	2282.6	2355.5	2428.5	2446.8	2168.3	1797.1	1611.6	1341.9	802.3	397.7
107.5°	2707.0	2724.6	2707.0	2689.3	2684.9	2296.6	1778.9	1520.0	1282.1	806.5	449.7
110°	2841.0	2917.0	2841.0	2765.0	2746.0	2311.9	1733.1	1443.6	1229.2	800.3	478.7



TEST NUMBER: P935368

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2852.9	2969.7	2852.9	2736.3	2707.1	2262.8	1670.4	1374.2	1183.0	800.6	513.8
115°	2777.3	2939.2	2777.3	2615.5	2575.1	2147.0	1576.3	1290.9	1130.0	807.9	566.5
117.5°	2616.9	2796.4	2616.9	2437.4	2392.5	2006.3	1491.2	1233.7	1096.7	823.0	617.6
120°	2487.7	2662.0	2487.7	2313.2	2269.6	1916.7	1446.1	1210.8	1085.6	835.2	647.3
122.5°	2361.8	2533.8	2361.8	2189.8	2146.8	1828.9	1405.1	1193.2	1079.7	852.7	682.5
125°	2182.2	2340.7	2182.2	2023.8	1984.1	1714.2	1354.2	1174.1	1074.9	876.4	727.5
127.5°	2020.7	2154.4	2020.7	1887.0	1853.6	1621.8	1312.7	1158.1	1072.1	900.1	771.0
130°	1925.5	2049.0	1925.5	1802.0	1771.2	1564.8	1289.5	1152.0	1073.8	917.3	800.0
132.5°	1839.2	1949.7	1839.2	1728.5	1700.9	1516.1	1269.8	1146.7	1074.9	931.4	823.7
135°	1720.9	1816.2	1720.9	1625.5	1601.7	1446.9	1240.6	1137.5	1073.9	946.7	851.3
137.5°	1625.9	1704.0	1625.9	1547.9	1528.3	1397.6	1223.1	1135.9	1080.5	969.5	886.3
140°	1560.7	1633.7	1560.7	1487.9	1469.6	1356.6	1205.9	1130.6	1081.6	983.5	910.0
142.5°	1506.9	1569.6	1506.9	1444.1	1428.4	1329.1	1196.8	1130.6	1085.4	995.2	927.5
145°	1425.9	1473.4	1425.9	1378.4	1366.5	1285.3	1177.1	1123.0	1085.5	1010.6	954.3
147.5°	1363.8	1403.2	1363.8	1324.4	1314.6	1250.7	1165.6	1123.0	1093.0	1033.0	987.9
150°	1324.7	1356.6	1324.7	1292.8	1284.9	1230.9	1159.0	1123.0	1096.8	1044.6	1005.4
152.5°	1291.3	1315.3	1291.3	1267.2	1261.2	1215.1	1153.7	1123.0	1099.4	1052.2	1016.9
155°	1252.8	1268.8	1252.8	1236.9	1232.9	1196.3	1147.4	1123.0	1105.0	1069.0	1042.0
157.5°	1222.5	1233.7	1222.5	1211.3	1208.5	1180.0	1142.0	1123.0	1110.6	1085.8	1067.3
160°	1204.4	1210.8	1204.4	1198.0	1196.3	1171.9	1139.3	1123.0	1113.2	1093.5	1078.8
162.5°	1192.5	1198.6	1192.5	1186.4	1184.8	1164.2	1136.7	1123.0	1115.8	1101.6	1091.0
165°	1175.4	1181.8	1175.4	1169.0	1167.3	1152.5	1132.8	1123.0	1119.8	1113.3	1108.5
167.5°	1163.0	1165.7	1163.0	1160.2	1159.6	1150.0	1137.0	1130.6	1127.8	1122.4	1118.4
170°	1159.6	1159.6	1159.6	1159.6	1159.6	1150.0	1137.0	1130.6	1130.4	1130.1	1129.9
172.5°	1150.6	1148.2	1150.6	1153.0	1153.5	1145.9	1135.7	1130.6	1130.6	1130.6	1130.6
175°	1145.1	1145.1	1145.1	1145.1	1145.1	1140.2	1133.8	1130.6	1132.2	1135.2	1137.5
177.5°	1140.2	1137.5	1140.2	1143.0	1143.6	1139.8	1134.7	1132.2	1133.4	1135.7	1137.5
180°	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5



TEST NUMBER: P935368

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8
2.5°	3329.3	3310.7	3310.7	3279.7	3267.3	3257.9	3242.4	3195.8	3183.4	3170.9	3189.6
5°	3357.3	3323.2	3298.3	3242.4	3195.8	3177.2	3118.1	3006.4	2931.9	2875.9	2844.9
7.5°	3363.5	3320.0	3273.4	3186.5	3074.6	3025.0	2844.9	2639.8	2584.0	2534.3	2503.2
10°	3357.3	3307.6	3242.4	3111.9	2848.0	2761.0	2580.8	2447.3	2413.2	2403.8	2413.2
12.5°	3335.5	3288.9	3198.9	2981.5	2611.9	2552.9	2447.3	2369.7	2363.4	2379.0	2462.8
15°	3298.3	3254.8	3149.3	2807.6	2481.4	2438.0	2363.4	2335.5	2369.7	2478.4	2730.0
17.5°	3261.0	3211.3	3080.9	2636.8	2382.1	2351.0	2298.3	2354.2	2546.7	2692.7	2776.5
20°	3211.3	3152.3	3003.2	2512.6	2310.7	2282.7	2257.9	2509.4	2655.4	2708.2	2754.8
22.5°	3152.3	3090.2	2897.6	2425.6	2236.1	2214.4	2229.9	2596.4	2655.4	2692.7	2733.1
25°	3074.6	3021.9	2773.5	2357.3	2177.1	2152.3	2211.3	2587.1	2621.2	2630.6	2711.3
27.5°	3003.2	2934.9	2643.0	2295.2	2105.7	2096.4	2226.8	2546.7	2571.6	2580.8	2667.8
30°	2916.3	2813.8	2497.0	2229.9	2031.1	2028.0	2229.9	2497.0	2490.8	2515.7	2602.6
32.5°	2826.2	2633.7	2332.4	2149.1	1959.7	1956.6	2208.2	2422.4	2416.3	2450.4	2515.7
35°	2742.3	2493.9	2108.8	2056.0	1869.6	1872.7	2155.4	2335.5	2338.7	2369.7	2410.1
37.5°	2655.4	2372.8	1863.5	1953.5	1782.7	1782.7	2083.9	2254.8	2248.5	2257.9	2313.8
40°	2552.9	2183.3	1646.1	1820.0	1702.0	1692.6	1997.0	2167.8	2146.0	2143.0	2220.6
42.5°	2444.2	1975.2	1484.6	1642.9	1608.8	1596.3	1891.4	2062.2	2021.9	2031.1	2130.5
45°	2326.2	1919.4	1360.3	1388.3	1512.5	1503.2	1776.5	1941.1	1913.1	1938.0	2040.5
47.5°	2208.2	1807.5	1319.9	1152.3	1410.0	1406.9	1649.2	1823.1	1807.5	1832.4	1941.1
50°	2046.6	1683.3	1316.8	987.6	1295.1	1307.5	1496.9	1708.2	1708.2	1729.9	1844.8
52.5°	1838.6	1531.1	1195.7	894.5	1161.5	1198.8	1363.4	1608.8	1615.0	1636.7	1739.2
55°	1649.2	1372.8	1108.8	823.0	1003.1	1083.9	1233.0	1506.3	1518.7	1540.4	1633.6
57.5°	1475.2	1142.9	1090.1	739.2	857.2	934.9	1118.0	1406.9	1413.1	1431.8	1521.8
60°	1288.9	826.1	1000.0	649.1	729.8	788.9	1012.5	1288.9	1310.7	1323.0	1400.7
62.5°	1077.6	599.4	906.9	587.0	667.7	680.2	925.5	1177.0	1205.0	1214.4	1260.9
65°	767.1	503.2	770.2	534.2	602.5	605.6	832.3	1062.1	1087.0	1102.5	1136.7
67.5°	518.7	409.9	587.0	484.5	552.8	555.9	742.2	928.6	962.8	975.2	997.0
70°	360.3	273.3	434.8	431.7	496.9	503.2	646.0	807.5	838.6	847.9	860.2
72.5°	264.0	220.5	360.3	388.2	437.9	444.2	546.6	670.8	701.9	711.2	717.5
75°	201.9	232.9	291.9	338.5	372.7	375.8	447.2	546.6	568.3	574.6	577.7
77.5°	161.5	217.4	214.3	273.3	304.4	298.2	350.9	422.4	441.0	441.0	441.0
80°	121.1	170.8	161.5	195.7	223.6	217.4	251.5	301.3	307.4	313.7	310.5
82.5°	90.0	108.7	108.7	124.3	149.0	142.9	167.8	195.7	195.7	195.7	201.9
85°	55.9	62.1	49.6	65.2	83.9	80.8	93.1	105.6	108.7	108.7	102.5
87.5°	34.1	28.0	15.5	24.9	37.3	37.3	43.5	46.6	43.5	43.5	43.5
90°	19.8	13.8	7.6	13.8	19.8	21.4	33.6	49.8	58.0	51.6	38.6
92.5°	134.4	82.5	30.6	82.5	134.4	147.4	207.1	286.9	326.7	286.3	205.7
95°	263.3	168.3	73.3	168.3	263.3	287.1	509.7	806.6	955.0	852.3	646.6
97.5°	294.4	210.5	126.7	210.5	294.4	315.3	686.6	1181.6	1429.1	1364.2	1234.2
100°	320.0	243.9	167.9	243.9	320.0	339.0	750.9	1300.3	1574.9	1579.7	1589.2
102.5°	344.9	273.9	203.1	273.9	344.9	362.6	780.4	1337.5	1616.2	1698.9	1864.6
105°	382.7	322.7	262.6	322.7	382.7	397.7	802.3	1341.9	1611.6	1797.1	2168.3
107.5°	435.6	379.7	323.7	379.7	435.6	449.7	806.5	1282.1	1520.0	1778.9	2296.6
110°	466.0	415.4	364.9	415.4	466.0	478.7	800.3	1229.2	1443.6	1733.1	2311.9



TEST NUMBER: P935368

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	501.8	453.5	405.3	453.5	501.8	513.8	800.6	1183.0	1374.2	1670.4	2262.8
115°	555.4	510.9	466.5	510.9	555.4	566.5	807.9	1130.0	1290.9	1576.3	2147.0
117.5°	607.5	567.1	526.8	567.1	607.5	617.6	823.0	1096.7	1233.7	1491.2	2006.3
120°	637.9	599.9	561.9	599.9	637.9	647.3	835.2	1085.6	1210.8	1446.1	1916.7
122.5°	672.9	634.6	596.2	634.6	672.9	682.5	852.7	1079.7	1193.2	1405.1	1828.9
125°	718.8	683.9	648.9	683.9	718.8	727.5	876.4	1074.9	1174.1	1354.2	1714.2
127.5°	762.2	726.9	691.7	726.9	762.2	771.0	900.1	1072.1	1158.1	1312.7	1621.8
130°	790.5	752.5	714.5	752.5	790.5	800.0	917.3	1073.8	1152.0	1289.5	1564.8
132.5°	814.2	776.2	738.2	776.2	814.2	823.7	931.4	1074.9	1146.7	1269.8	1516.1
135°	842.6	807.9	773.3	807.9	842.6	851.3	946.7	1073.9	1137.5	1240.6	1446.9
137.5°	877.8	843.5	809.2	843.5	877.8	886.3	969.5	1080.5	1135.9	1223.1	1397.6
140°	902.1	870.5	839.0	870.5	902.1	910.0	983.5	1081.6	1130.6	1205.9	1356.6
142.5°	920.3	891.1	861.9	891.1	920.3	927.5	995.2	1085.4	1130.6	1196.8	1329.1
145°	948.0	922.5	897.0	922.5	948.0	954.3	1010.6	1085.5	1123.0	1177.1	1285.3
147.5°	981.7	956.9	932.1	956.9	981.7	987.9	1033.0	1093.0	1123.0	1165.6	1250.7
150°	999.8	977.4	955.0	977.4	999.8	1005.4	1044.6	1096.8	1123.0	1159.0	1230.9
152.5°	1012.7	995.7	978.7	995.7	1012.7	1016.9	1052.2	1099.4	1123.0	1153.7	1215.1
155°	1038.9	1026.4	1013.8	1026.4	1038.9	1042.0	1069.0	1105.0	1123.0	1147.4	1196.3
157.5°	1064.3	1052.0	1039.7	1052.0	1064.3	1067.3	1085.8	1110.6	1123.0	1142.0	1180.0
160°	1076.4	1066.9	1057.4	1066.9	1076.4	1078.8	1093.5	1113.2	1123.0	1139.3	1171.9
162.5°	1089.2	1082.1	1074.9	1082.1	1089.2	1091.0	1101.6	1115.8	1123.0	1136.7	1164.2
165°	1106.8	1100.4	1094.0	1100.4	1106.8	1108.5	1113.3	1119.8	1123.0	1132.8	1152.5
167.5°	1117.7	1114.5	1111.5	1114.5	1117.7	1118.4	1122.4	1127.8	1130.6	1137.0	1150.0
170°	1129.1	1126.0	1123.0	1126.0	1129.1	1129.9	1130.1	1130.4	1130.6	1137.0	1150.0
172.5°	1130.4	1129.8	1129.1	1129.8	1130.4	1130.6	1130.6	1130.6	1130.6	1135.7	1145.9
175°	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1135.2	1132.2	1130.6	1133.8	1140.2
177.5°	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1135.7	1133.4	1132.2	1134.7	1139.8
180°	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5



TEST NUMBER: P935368

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8
2.5°	3167.9	3158.5	3170.9	3136.8	3170.9	3158.5	3167.9	3189.6	3170.9	3183.4	3195.8
5°	2779.6	2764.1	2714.5	2674.1	2714.5	2764.1	2779.6	2844.9	2875.9	2931.9	3006.4
7.5°	2484.6	2472.2	2459.7	2434.9	2459.7	2472.2	2484.6	2503.2	2534.3	2584.0	2639.8
10°	2419.4	2422.4	2441.1	2438.0	2441.1	2422.4	2419.4	2413.2	2403.8	2413.2	2447.3
12.5°	2587.1	2615.1	2717.5	2711.3	2717.5	2615.1	2587.1	2462.8	2379.0	2363.4	2369.7
15°	2779.6	2789.0	2810.7	2813.8	2810.7	2789.0	2779.6	2730.0	2478.4	2369.7	2335.5
17.5°	2798.2	2801.4	2816.9	2816.9	2816.9	2801.4	2798.2	2776.5	2692.7	2546.7	2354.2
20°	2782.7	2789.0	2820.0	2826.2	2820.0	2789.0	2782.7	2754.8	2708.2	2655.4	2509.4
22.5°	2776.5	2789.0	2813.8	2810.7	2813.8	2789.0	2776.5	2733.1	2692.7	2655.4	2596.4
25°	2745.5	2745.5	2748.6	2751.7	2748.6	2745.5	2745.5	2711.3	2630.6	2621.2	2587.1
27.5°	2680.2	2686.5	2705.1	2702.0	2705.1	2686.5	2680.2	2667.8	2580.8	2571.6	2546.7
30°	2621.2	2615.1	2599.5	2587.1	2599.5	2615.1	2621.2	2602.6	2515.7	2490.8	2497.0
32.5°	2521.8	2506.3	2490.8	2481.4	2490.8	2506.3	2521.8	2515.7	2450.4	2416.3	2422.4
35°	2403.8	2406.9	2403.8	2394.5	2403.8	2406.9	2403.8	2410.1	2369.7	2338.7	2335.5
37.5°	2320.0	2326.2	2323.1	2310.7	2323.1	2326.2	2320.0	2313.8	2257.9	2248.5	2254.8
40°	2233.0	2236.1	2233.0	2223.7	2233.0	2236.1	2233.0	2220.6	2143.0	2146.0	2167.8
42.5°	2149.1	2146.0	2136.8	2130.5	2136.8	2146.0	2149.1	2130.5	2031.1	2021.9	2062.2
45°	2052.9	2056.0	2037.4	2028.0	2037.4	2056.0	2052.9	2040.5	1938.0	1913.1	1941.1
47.5°	1956.6	1956.6	1941.1	1931.7	1941.1	1956.6	1956.6	1941.1	1832.4	1807.5	1823.1
50°	1854.1	1851.0	1829.2	1826.2	1829.2	1851.0	1854.1	1844.8	1729.9	1708.2	1708.2
52.5°	1736.1	1736.1	1739.2	1745.5	1739.2	1736.1	1736.1	1739.2	1636.7	1615.0	1608.8
55°	1633.6	1636.7	1658.5	1664.7	1658.5	1636.7	1633.6	1633.6	1540.4	1518.7	1506.3
57.5°	1528.1	1528.1	1543.6	1543.6	1543.6	1528.1	1528.1	1521.8	1431.8	1413.1	1406.9
60°	1406.9	1413.1	1425.5	1422.4	1425.5	1413.1	1406.9	1400.7	1323.0	1310.7	1288.9
62.5°	1279.5	1285.8	1288.9	1282.7	1288.9	1285.8	1279.5	1260.9	1214.4	1205.0	1177.0
65°	1146.0	1152.3	1155.4	1149.1	1155.4	1152.3	1146.0	1136.7	1102.5	1087.0	1062.1
67.5°	1009.4	1006.3	1003.1	1015.6	1003.1	1006.3	1009.4	997.0	975.2	962.8	928.6
70°	869.6	869.6	866.5	872.7	866.5	869.6	869.6	860.2	847.9	838.6	807.5
72.5°	720.6	717.5	729.8	720.6	729.8	717.5	720.6	717.5	711.2	701.9	670.8
75°	574.6	580.8	574.6	583.8	574.6	580.8	574.6	577.7	574.6	568.3	546.6
77.5°	437.9	444.2	437.9	437.9	437.9	444.2	437.9	441.0	441.0	441.0	422.4
80°	310.5	307.4	307.4	304.4	307.4	307.4	310.5	310.5	313.7	307.4	301.3
82.5°	198.8	195.7	195.7	201.9	195.7	195.7	198.8	201.9	195.7	195.7	195.7
85°	108.7	111.8	105.6	105.6	105.6	111.8	108.7	102.5	108.7	108.7	105.6
87.5°	40.4	37.3	37.3	37.3	37.3	37.3	40.4	43.5	43.5	43.5	46.6
90°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	38.6	51.6	58.0	49.8
92.5°	145.1	139.3	116.3	93.1	116.3	139.3	145.1	205.7	286.3	326.7	286.9
95°	492.4	475.0	405.1	335.1	405.1	475.0	492.4	646.6	852.3	955.0	806.6
97.5°	1136.7	1103.5	970.5	837.5	970.5	1103.5	1136.7	1234.2	1364.2	1429.1	1181.6
100°	1596.3	1556.7	1398.3	1239.8	1398.3	1556.7	1596.3	1589.2	1579.7	1574.9	1300.3
102.5°	1988.7	1954.8	1819.1	1683.3	1819.1	1954.8	1988.7	1864.6	1698.9	1616.2	1337.5
105°	2446.8	2428.5	2355.5	2282.6	2355.5	2428.5	2446.8	2168.3	1797.1	1611.6	1341.9
107.5°	2684.9	2689.3	2707.0	2724.6	2707.0	2689.3	2684.9	2296.6	1778.9	1520.0	1282.1
110°	2746.0	2765.0	2841.0	2917.0	2841.0	2765.0	2746.0	2311.9	1733.1	1443.6	1229.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2707.1	2736.3	2852.9	2969.7	2852.9	2736.3	2707.1	2262.8	1670.4	1374.2	1183.0
115°	2575.1	2615.5	2777.3	2939.2	2777.3	2615.5	2575.1	2147.0	1576.3	1290.9	1130.0
117.5°	2392.5	2437.4	2616.9	2796.4	2616.9	2437.4	2392.5	2006.3	1491.2	1233.7	1096.7
120°	2269.6	2313.2	2487.7	2662.0	2487.7	2313.2	2269.6	1916.7	1446.1	1210.8	1085.6
122.5°	2146.8	2189.8	2361.8	2533.8	2361.8	2189.8	2146.8	1828.9	1405.1	1193.2	1079.7
125°	1984.1	2023.8	2182.2	2340.7	2182.2	2023.8	1984.1	1714.2	1354.2	1174.1	1074.9
127.5°	1853.6	1887.0	2020.7	2154.4	2020.7	1887.0	1853.6	1621.8	1312.7	1158.1	1072.1
130°	1771.2	1802.0	1925.5	2049.0	1925.5	1802.0	1771.2	1564.8	1289.5	1152.0	1073.8
132.5°	1700.9	1728.5	1839.2	1949.7	1839.2	1728.5	1700.9	1516.1	1269.8	1146.7	1074.9
135°	1601.7	1625.5	1720.9	1816.2	1720.9	1625.5	1601.7	1446.9	1240.6	1137.5	1073.9
137.5°	1528.3	1547.9	1625.9	1704.0	1625.9	1547.9	1528.3	1397.6	1223.1	1135.9	1080.5
140°	1469.6	1487.9	1560.7	1633.7	1560.7	1487.9	1469.6	1356.6	1205.9	1130.6	1081.6
142.5°	1428.4	1444.1	1506.9	1569.6	1506.9	1444.1	1428.4	1329.1	1196.8	1130.6	1085.4
145°	1366.5	1378.4	1425.9	1473.4	1425.9	1378.4	1366.5	1285.3	1177.1	1123.0	1085.5
147.5°	1314.6	1324.4	1363.8	1403.2	1363.8	1324.4	1314.6	1250.7	1165.6	1123.0	1093.0
150°	1284.9	1292.8	1324.7	1356.6	1324.7	1292.8	1284.9	1230.9	1159.0	1123.0	1096.8
152.5°	1261.2	1267.2	1291.3	1315.3	1291.3	1267.2	1261.2	1215.1	1153.7	1123.0	1099.4
155°	1232.9	1236.9	1252.8	1268.8	1252.8	1236.9	1232.9	1196.3	1147.4	1123.0	1105.0
157.5°	1208.5	1211.3	1222.5	1233.7	1222.5	1211.3	1208.5	1180.0	1142.0	1123.0	1110.6
160°	1196.3	1198.0	1204.4	1210.8	1204.4	1198.0	1196.3	1171.9	1139.3	1123.0	1113.2
162.5°	1184.8	1186.4	1192.5	1198.6	1192.5	1186.4	1184.8	1164.2	1136.7	1123.0	1115.8
165°	1167.3	1169.0	1175.4	1181.8	1175.4	1169.0	1167.3	1152.5	1132.8	1123.0	1119.8
167.5°	1159.6	1160.2	1163.0	1165.7	1163.0	1160.2	1159.6	1150.0	1137.0	1130.6	1127.8
170°	1159.6	1159.6	1159.6	1159.6	1159.6	1159.6	1159.6	1150.0	1137.0	1130.6	1130.4
172.5°	1153.5	1153.0	1150.6	1148.2	1150.6	1153.0	1153.5	1145.9	1135.7	1130.6	1130.6
175°	1145.1	1145.1	1145.1	1145.1	1145.1	1145.1	1145.1	1140.2	1133.8	1130.6	1132.2
177.5°	1143.6	1143.0	1140.2	1137.5	1140.2	1143.0	1143.6	1139.8	1134.7	1132.2	1133.4
180°	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3282.8	3282.8	3282.8	3282.8	3282.8
2.5°	3242.4	3257.9	3267.3	3279.7	3310.7
5°	3118.1	3177.2	3195.8	3242.4	3298.3
7.5°	2844.9	3025.0	3074.6	3186.5	3273.4
10°	2580.8	2761.0	2848.0	3111.9	3242.4
12.5°	2447.3	2552.9	2611.9	2981.5	3198.9
15°	2363.4	2438.0	2481.4	2807.6	3149.3
17.5°	2298.3	2351.0	2382.1	2636.8	3080.9
20°	2257.9	2282.7	2310.7	2512.6	3003.2
22.5°	2229.9	2214.4	2236.1	2425.6	2897.6
25°	2211.3	2152.3	2177.1	2357.3	2773.5
27.5°	2226.8	2096.4	2105.7	2295.2	2643.0
30°	2229.9	2028.0	2031.1	2229.9	2497.0
32.5°	2208.2	1956.6	1959.7	2149.1	2332.4
35°	2155.4	1872.7	1869.6	2056.0	2108.8
37.5°	2083.9	1782.7	1782.7	1953.5	1863.5
40°	1997.0	1692.6	1702.0	1820.0	1646.1
42.5°	1891.4	1596.3	1608.8	1642.9	1484.6
45°	1776.5	1503.2	1512.5	1388.3	1360.3
47.5°	1649.2	1406.9	1410.0	1152.3	1319.9
50°	1496.9	1307.5	1295.1	987.6	1316.8
52.5°	1363.4	1198.8	1161.5	894.5	1195.7
55°	1233.0	1083.9	1003.1	823.0	1108.8
57.5°	1118.0	934.9	857.2	739.2	1090.1
60°	1012.5	788.9	729.8	649.1	1000.0
62.5°	925.5	680.2	667.7	587.0	906.9
65°	832.3	605.6	602.5	534.2	770.2
67.5°	742.2	555.9	552.8	484.5	587.0
70°	646.0	503.2	496.9	431.7	434.8
72.5°	546.6	444.2	437.9	388.2	360.3
75°	447.2	375.8	372.7	338.5	291.9
77.5°	350.9	298.2	304.4	273.3	214.3
80°	251.5	217.4	223.6	195.7	161.5
82.5°	167.8	142.9	149.0	124.3	108.7
85°	93.1	80.8	83.9	65.2	49.6
87.5°	43.5	37.3	37.3	24.9	15.5
90°	33.6	21.4	19.8	13.8	7.6
92.5°	207.1	147.4	134.4	82.5	30.6
95°	509.7	287.1	263.3	168.3	73.3
97.5°	686.6	315.3	294.4	210.5	126.7
100°	750.9	339.0	320.0	243.9	167.9
102.5°	780.4	362.6	344.9	273.9	203.1
105°	802.3	397.7	382.7	322.7	262.6
107.5°	806.5	449.7	435.6	379.7	323.7
110°	800.3	478.7	466.0	415.4	364.9



TEST NUMBER: P935368

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	800.6	513.8	501.8	453.5	405.3
115°	807.9	566.5	555.4	510.9	466.5
117.5°	823.0	617.6	607.5	567.1	526.8
120°	835.2	647.3	637.9	599.9	561.9
122.5°	852.7	682.5	672.9	634.6	596.2
125°	876.4	727.5	718.8	683.9	648.9
127.5°	900.1	771.0	762.2	726.9	691.7
130°	917.3	800.0	790.5	752.5	714.5
132.5°	931.4	823.7	814.2	776.2	738.2
135°	946.7	851.3	842.6	807.9	773.3
137.5°	969.5	886.3	877.8	843.5	809.2
140°	983.5	910.0	902.1	870.5	839.0
142.5°	995.2	927.5	920.3	891.1	861.9
145°	1010.6	954.3	948.0	922.5	897.0
147.5°	1033.0	987.9	981.7	956.9	932.1
150°	1044.6	1005.4	999.8	977.4	955.0
152.5°	1052.2	1016.9	1012.7	995.7	978.7
155°	1069.0	1042.0	1038.9	1026.4	1013.8
157.5°	1085.8	1067.3	1064.3	1052.0	1039.7
160°	1093.5	1078.8	1076.4	1066.9	1057.4
162.5°	1101.6	1091.0	1089.2	1082.1	1074.9
165°	1113.3	1108.5	1106.8	1100.4	1094.0
167.5°	1122.4	1118.4	1117.7	1114.5	1111.5
170°	1130.1	1129.9	1129.1	1126.0	1123.0
172.5°	1130.6	1130.6	1130.4	1129.8	1129.1
175°	1135.2	1137.5	1137.5	1137.5	1137.5
177.5°	1135.7	1137.5	1137.5	1137.5	1137.5
180°	1137.5	1137.5	1137.5	1137.5	1137.5



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	14.60	15.49	15.52	16.43	17.65	17.43	18.33	18.36	19.27	20.49
	3H	15.07	15.88	16.01	16.83	18.07	18.78	19.59	19.72	20.54	21.78
	4H	15.27	16.03	16.22	16.98	18.23	19.23	19.99	20.18	20.95	22.20
	6H	15.39	16.09	16.35	17.05	18.31	19.52	20.22	20.48	21.18	22.45
	8H	15.39	16.06	16.36	17.04	18.30	19.60	20.26	20.57	21.24	22.50
	12H	15.36	16.00	16.34	16.97	18.26	19.64	20.27	20.61	21.24	22.53
4H	2H	15.63	16.39	16.59	17.35	18.60	17.85	18.60	18.80	19.56	20.81
	3H	16.66	17.30	17.63	18.28	19.55	19.36	19.99	20.32	20.98	22.24
	4H	16.94	17.52	17.92	18.50	19.79	19.89	20.47	20.87	21.45	22.74
	6H	17.07	17.57	18.06	18.57	19.86	20.26	20.75	21.25	21.76	23.05
	8H	17.08	17.54	18.07	18.54	19.84	20.37	20.83	21.36	21.83	23.13
	12H	17.04	17.46	18.05	18.48	19.79	20.43	20.84	21.44	21.86	23.17
8H	4H	17.40	17.86	18.39	18.86	20.16	20.02	20.48	21.01	21.48	22.78
	6H	17.66	18.05	18.68	19.09	20.39	20.46	20.84	21.47	21.88	23.18
	8H	17.70	18.04	18.73	19.07	20.39	20.61	20.95	21.63	21.97	23.29
	12H	17.69	17.99	18.72	19.01	20.37	20.71	21.01	21.74	22.03	23.39
12H	4H	17.41	17.83	18.42	18.84	20.15	19.98	20.40	20.99	21.41	22.72
	6H	17.72	18.06	18.75	19.09	20.41	20.45	20.79	21.48	21.82	23.14
	8H	17.79	18.09	18.82	19.11	20.47	20.62	20.91	21.64	21.94	23.30