

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: P935345

Luminaire Tested: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-8-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935345
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-92765-1D-UNV-STD-W-8-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

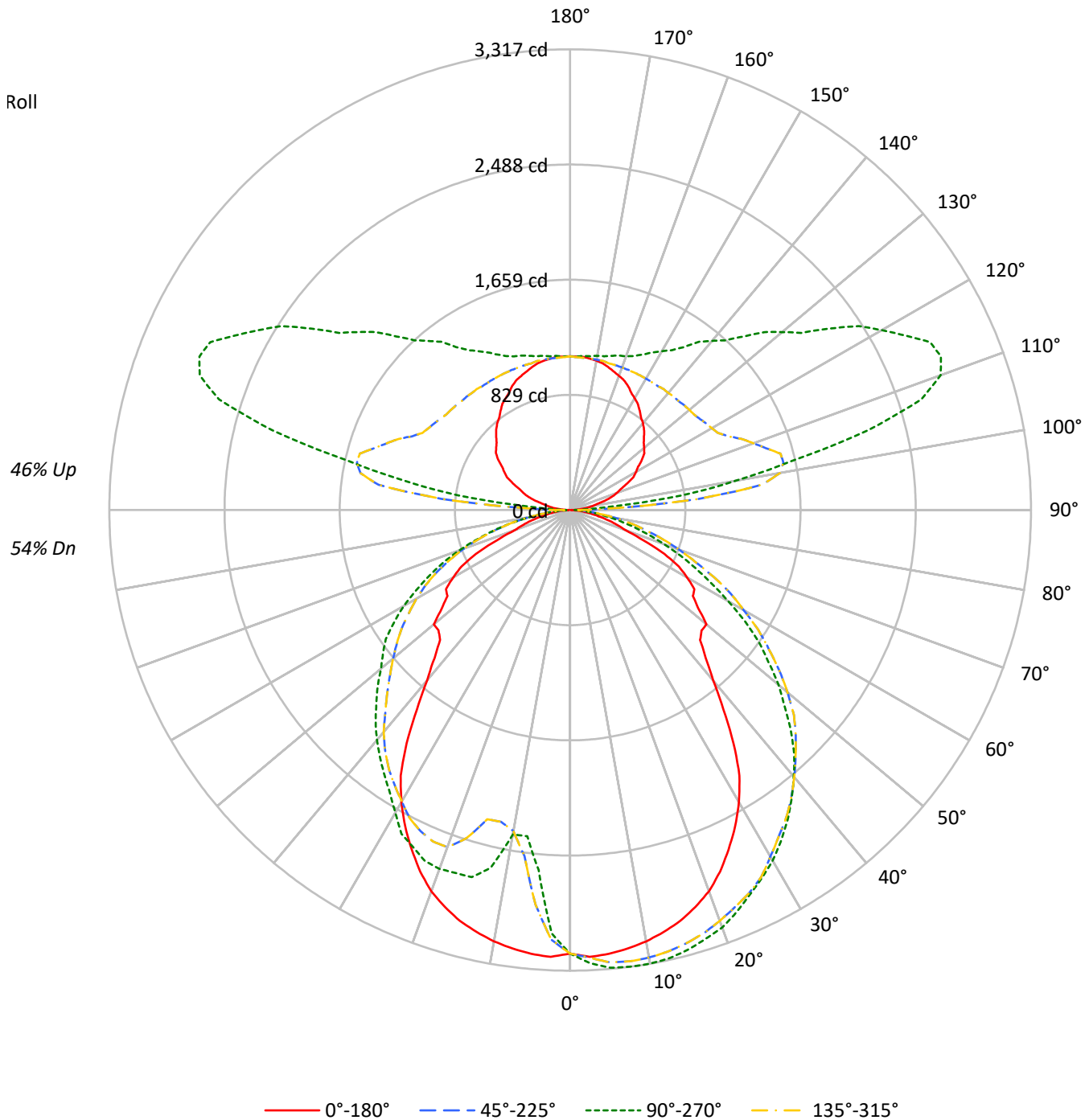
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15455.7 lumens
Efficiency: N/A
Efficacy: 112.3 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			
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°	14815	14815	14815	14815
5°	14925	14955	14925	11759
10°	14825	14731	14825	10532
15°	14664	14412	14664	12035
20°	14358	14034	14358	12059
25°	13730	13482	13730	11804
30°	12919	13024	12919	11243
35°	11517	12445	11517	10626
40°	9597	11764	9597	10160
45°	8574	10966	8574	9624
50°	9109	10014	9109	9087
55°	8571	8989	8571	8776
60°	8835	7634	8835	8038
65°	8010	6311	8010	7054
70°	5546	5029	5546	5913
75°	4862	3717	4862	4452
80°	3920	2458	3920	2677
85°	2250	1302	2250	1106

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13142 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.2	1.9
10°-20°	818.4	5.3
20°-30°	1265.0	8.2
30°-40°	1510.2	9.8
40°-50°	1519.0	9.8
50°-60°	1321.8	8.6
60°-70°	937.1	6.1
70°-80°	495.8	3.2
80°-90°	127.7	0.8
90°-100°	539.3	3.5
100°-110°	1417.9	9.2
110°-120°	1470.2	9.5
120°-130°	1179.3	7.6
130°-140°	925.3	6.0
140°-150°	710.2	4.6
150°-160°	511.5	3.3
160°-170°	313.0	2.0
170°-180°	105.7	0.7
0°-30°	2371.6	15.3
0°-40°	3881.8	25.1
0°-60°	6722.6	43.5
0°-90°	8283.3	53.6
90°-120°	3427.5	22.2
90°-150°	6242.3	40.4
90°-180°	7172.0	46.4
0°-180°	15455.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3193	3193	3193	3193	3193	
5°	3208	3308	3208	2601	3208	304
15°	3063	3278	3063	2737	3063	862
25°	2698	3057	2698	2676	2698	1239
35°	2051	2728	2051	2329	2051	1269
45°	1323	2248	1323	1973	1323	1060
55°	1078	1658	1078	1619	1078	991
65°	749	1000	749	1118	749	716
75°	284	474	284	568	284	299
85°	48	121	48	103	48	65
90°	7	28	7	28	7	8
95°	71	326	71	326	71	79
105°	256	2220	256	2220	256	271
115°	454	2859	454	2859	454	448
125°	631	2277	631	2277	631	560
135°	752	1767	752	1767	752	582
145°	872	1433	872	1433	872	547
155°	986	1234	986	1234	986	453
165°	1064	1150	1064	1150	1064	300
175°	1106	1114	1106	1114	1106	105
180°	1106	1106	1106	1106	1106	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1
2.5°	3220.2	3220.2	3238.3	3244.4	3244.4	3235.4	3226.3	3235.4	3262.5	3271.6	3268.6
5°	3208.2	3232.4	3265.6	3271.6	3277.6	3274.7	3268.6	3274.7	3304.8	3310.9	3313.9
7.5°	3184.0	3229.3	3271.6	3280.6	3289.8	3280.6	3277.6	3283.7	3313.9	3319.9	3319.9
10°	3153.8	3217.3	3265.6	3271.6	3280.6	3271.6	3271.6	3283.7	3313.9	3319.9	3323.0
12.5°	3111.5	3199.1	3244.4	3250.5	3262.5	3259.5	3256.5	3268.6	3298.8	3304.8	3304.8
15°	3063.2	3165.9	3208.2	3214.2	3235.4	3229.3	3229.3	3241.4	3274.7	3283.7	3280.6
17.5°	2996.7	3123.5	3171.9	3180.9	3196.1	3193.1	3196.1	3208.2	3238.3	3244.4	3247.4
20°	2921.2	3066.1	3123.5	3132.6	3147.7	3147.7	3147.7	3162.8	3193.1	3205.1	3205.1
22.5°	2818.4	3005.8	3066.1	3072.2	3090.3	3090.3	3096.4	3117.6	3144.7	3147.7	3147.7
25°	2697.7	2939.3	2990.6	3008.8	3026.9	3036.0	3045.1	3057.1	3066.1	3063.2	3066.1
27.5°	2570.7	2854.7	2921.2	2933.2	2957.4	2966.5	2978.6	2981.6	2984.7	2993.7	2987.6
30°	2428.8	2737.0	2836.6	2848.7	2888.0	2894.0	2881.9	2888.0	2903.1	2909.1	2915.1
32.5°	2268.7	2561.7	2749.0	2776.2	2812.5	2794.3	2791.3	2800.3	2824.5	2824.5	2830.6
35°	2051.2	2425.8	2667.4	2691.6	2718.7	2697.7	2709.7	2712.8	2727.8	2737.0	2733.9
37.5°	1812.6	2308.0	2582.9	2601.0	2622.2	2594.9	2613.1	2622.2	2634.2	2628.1	2628.1
40°	1601.1	2123.6	2483.2	2495.2	2513.4	2492.2	2510.3	2516.4	2522.5	2516.4	2513.4
42.5°	1444.0	1921.3	2377.4	2392.5	2380.4	2395.5	2401.6	2413.6	2404.6	2392.5	2392.5
45°	1323.1	1866.9	2262.6	2280.7	2262.6	2286.8	2295.9	2295.9	2268.7	2262.6	2259.6
47.5°	1283.9	1758.1	2147.8	2147.8	2138.8	2169.0	2184.1	2162.9	2135.8	2126.7	2126.7
50°	1280.8	1637.3	1990.7	1978.7	2021.0	2057.2	2042.1	2021.0	1999.8	1966.6	1966.6
52.5°	1163.0	1489.2	1788.4	1833.7	1900.1	1921.3	1897.1	1875.9	1839.7	1824.6	1812.6
55°	1078.5	1335.3	1604.1	1694.7	1764.2	1791.4	1746.1	1724.9	1670.5	1661.5	1655.5
57.5°	1060.3	1111.7	1434.9	1549.7	1634.3	1631.3	1604.1	1564.9	1519.5	1510.4	1507.5
60°	972.7	803.5	1253.7	1389.6	1477.2	1468.2	1444.0	1407.8	1365.4	1359.4	1353.4
62.5°	882.1	583.1	1048.2	1202.3	1326.2	1323.1	1302.0	1247.6	1217.4	1202.3	1190.2
65°	749.2	489.4	746.1	999.9	1178.2	1184.1	1138.9	1099.6	1066.3	1048.2	1045.3
67.5°	570.9	398.7	504.5	833.8	1036.2	1030.1	972.7	954.6	912.3	903.2	885.1
70°	422.9	265.8	350.4	676.7	897.2	882.1	836.7	815.7	776.4	755.2	743.1
72.5°	350.4	214.5	256.8	525.7	755.2	737.1	697.9	673.7	640.5	622.3	610.2
75°	283.9	226.5	196.4	389.7	613.2	601.2	564.9	540.7	513.5	489.4	492.4
77.5°	208.4	211.5	157.1	287.0	486.4	468.3	447.1	416.9	404.8	380.6	380.6
80°	157.1	166.1	117.8	196.4	350.4	350.4	332.3	311.2	290.0	278.0	278.0
82.5°	105.7	105.7	87.6	123.9	238.7	229.6	217.5	211.5	199.4	193.3	193.3
85°	48.3	60.4	54.4	75.5	129.9	135.9	135.9	129.9	126.8	120.9	123.9
87.5°	15.1	27.2	33.2	42.3	66.5	69.4	72.5	72.5	72.5	75.5	75.5
90°	7.4	13.4	19.3	20.8	32.7	48.5	56.4	50.2	37.6	28.2	28.2
92.5°	29.7	80.2	130.8	143.4	201.5	279.0	317.8	278.5	200.0	141.1	135.5
95°	71.3	163.7	256.1	279.2	495.8	784.5	928.9	829.0	628.9	479.0	462.0
97.5°	123.3	204.8	286.4	306.7	667.9	1149.3	1390.1	1326.9	1200.5	1105.7	1073.4
100°	163.3	237.3	311.3	329.7	730.4	1264.8	1531.9	1536.6	1545.8	1552.7	1514.2
102.5°	197.5	266.4	335.4	352.7	759.1	1301.0	1572.0	1652.5	1813.6	1934.4	1901.4
105°	255.5	313.8	372.2	386.9	780.4	1305.2	1567.5	1748.0	2109.1	2379.9	2362.1
107.5°	314.8	369.3	423.7	437.4	784.4	1247.1	1478.4	1730.3	2233.9	2611.5	2615.8
110°	354.9	404.1	453.3	465.6	778.5	1195.6	1404.2	1685.7	2248.7	2671.0	2689.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	394.3	441.1	488.1	499.8	778.7	1150.7	1336.6	1624.7	2200.9	2633.1	2661.5
115°	453.7	496.9	540.2	551.0	785.9	1099.1	1255.6	1533.3	2088.4	2504.7	2544.1
117.5°	512.4	551.6	590.9	600.7	800.5	1066.8	1199.9	1450.4	1951.4	2327.1	2370.8
120°	546.6	583.5	620.5	629.7	812.4	1056.0	1177.7	1406.6	1864.3	2207.6	2250.0
122.5°	579.9	617.2	654.6	663.8	829.4	1050.2	1160.6	1366.7	1778.9	2088.1	2130.0
125°	631.2	665.2	699.2	707.7	852.5	1045.5	1142.0	1317.2	1667.3	1929.9	1968.5
127.5°	672.8	707.0	741.4	750.0	875.5	1042.8	1126.5	1276.8	1577.4	1802.9	1835.4
130°	695.0	731.9	768.9	778.2	892.3	1044.5	1120.5	1254.3	1522.0	1722.8	1752.7
132.5°	718.0	755.0	791.9	801.2	905.9	1045.5	1115.3	1235.1	1474.7	1654.4	1681.2
135°	752.2	785.9	819.6	828.0	920.8	1044.5	1106.4	1206.7	1407.4	1557.9	1581.1
137.5°	787.1	820.4	853.8	862.1	943.1	1051.0	1104.9	1189.7	1359.4	1486.6	1505.6
140°	816.0	846.7	877.4	885.1	956.6	1052.0	1099.7	1173.0	1319.6	1429.4	1447.2
142.5°	838.3	866.7	895.1	902.2	968.0	1055.8	1099.7	1164.1	1292.8	1389.4	1404.6
145°	872.5	897.3	922.1	928.2	983.0	1055.9	1092.3	1145.0	1250.2	1329.2	1340.7
147.5°	906.6	930.7	954.8	960.9	1004.7	1063.1	1092.3	1133.7	1216.6	1278.7	1288.2
150°	928.9	950.7	972.5	978.0	1016.1	1066.9	1092.3	1127.3	1197.3	1249.8	1257.5
152.5°	952.0	968.5	985.0	989.1	1023.5	1069.4	1092.3	1122.2	1181.9	1226.7	1232.6
155°	986.1	998.3	1010.5	1013.6	1039.8	1074.8	1092.3	1116.0	1163.6	1199.2	1203.1
157.5°	1011.3	1023.2	1035.2	1038.1	1056.1	1080.2	1092.3	1110.8	1147.7	1175.5	1178.2
160°	1028.5	1037.8	1047.0	1049.3	1063.6	1082.7	1092.3	1108.2	1139.9	1163.6	1165.2
162.5°	1045.5	1052.5	1059.5	1061.1	1071.5	1085.3	1092.3	1105.7	1132.4	1152.5	1154.0
165°	1064.1	1070.3	1076.6	1078.2	1082.9	1089.2	1092.3	1101.9	1121.0	1135.4	1137.0
167.5°	1081.1	1084.1	1087.1	1087.8	1091.8	1097.0	1099.7	1106.0	1118.5	1127.9	1128.5
170°	1092.3	1095.2	1098.3	1099.0	1099.3	1099.5	1099.7	1106.0	1118.5	1127.9	1127.9
172.5°	1098.3	1098.9	1099.5	1099.7	1099.7	1099.7	1099.7	1104.7	1114.6	1122.0	1121.5
175°	1106.4	1106.4	1106.4	1106.4	1104.2	1101.2	1099.7	1102.8	1109.1	1113.8	1113.8
177.5°	1106.4	1106.4	1106.4	1106.4	1104.7	1102.4	1101.2	1103.7	1108.6	1112.4	1111.8
180°	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1
2.5°	3274.7	3265.6	3274.7	3268.6	3271.6	3262.5	3235.4	3226.3	3235.4	3244.4	3244.4
5°	3313.9	3307.9	3313.9	3313.9	3310.9	3304.8	3274.7	3268.6	3274.7	3277.6	3271.6
7.5°	3326.0	3316.9	3326.0	3319.9	3319.9	3313.9	3283.7	3277.6	3280.6	3289.8	3280.6
10°	3326.0	3316.9	3326.0	3323.0	3319.9	3313.9	3283.7	3271.6	3271.6	3280.6	3271.6
12.5°	3310.9	3304.8	3310.9	3304.8	3304.8	3298.8	3268.6	3256.5	3259.5	3262.5	3250.5
15°	3286.7	3277.6	3286.7	3280.6	3283.7	3274.7	3241.4	3229.3	3229.3	3235.4	3214.2
17.5°	3250.5	3238.3	3250.5	3247.4	3244.4	3238.3	3208.2	3196.1	3193.1	3196.1	3180.9
20°	3208.2	3199.1	3208.2	3205.1	3205.1	3193.1	3162.8	3147.7	3147.7	3147.7	3132.6
22.5°	3141.7	3132.6	3141.7	3147.7	3147.7	3144.7	3117.6	3096.4	3090.3	3090.3	3072.2
25°	3066.1	3057.1	3066.1	3066.1	3063.2	3066.1	3057.1	3045.1	3036.0	3026.9	3008.8
27.5°	2993.7	2987.6	2993.7	2987.6	2993.7	2984.7	2981.6	2978.6	2966.5	2957.4	2933.2
30°	2921.2	2915.1	2921.2	2915.1	2909.1	2903.1	2888.0	2881.9	2894.0	2888.0	2848.7
32.5°	2830.6	2824.5	2830.6	2830.6	2824.5	2824.5	2800.3	2791.3	2794.3	2812.5	2776.2
35°	2737.0	2727.8	2737.0	2733.9	2737.0	2727.8	2712.8	2709.7	2697.7	2718.7	2691.6
37.5°	2628.1	2619.1	2628.1	2628.1	2628.1	2634.2	2622.2	2613.1	2594.9	2622.2	2601.0
40°	2516.4	2504.3	2516.4	2513.4	2516.4	2522.5	2516.4	2510.3	2492.2	2513.4	2495.2
42.5°	2389.5	2386.5	2389.5	2392.5	2392.5	2404.6	2413.6	2401.6	2395.5	2380.4	2392.5
45°	2253.6	2247.5	2253.6	2259.6	2262.6	2268.7	2295.9	2295.9	2286.8	2262.6	2280.7
47.5°	2108.5	2093.5	2108.5	2126.7	2126.7	2135.8	2162.9	2184.1	2169.0	2138.8	2147.8
50°	1954.5	1957.5	1954.5	1966.6	1966.6	1999.8	2021.0	2042.1	2057.2	2021.0	1978.7
52.5°	1803.4	1800.4	1803.4	1812.6	1824.6	1839.7	1875.9	1897.1	1921.3	1900.1	1833.7
55°	1652.4	1658.5	1652.4	1655.5	1661.5	1670.5	1724.9	1746.1	1791.4	1764.2	1694.7
57.5°	1501.4	1492.3	1501.4	1507.5	1510.4	1519.5	1564.9	1604.1	1631.3	1634.3	1549.7
60°	1326.2	1314.1	1326.2	1353.4	1359.4	1365.4	1407.8	1444.0	1468.2	1477.2	1389.6
62.5°	1172.1	1150.9	1172.1	1190.2	1202.3	1217.4	1247.6	1302.0	1323.1	1326.2	1202.3
65°	1008.9	999.9	1008.9	1045.3	1048.2	1066.3	1099.6	1138.9	1184.1	1178.2	999.9
67.5°	860.9	860.9	860.9	885.1	903.2	912.3	954.6	972.7	1030.1	1036.2	833.8
70°	725.0	722.0	725.0	743.1	755.2	776.4	815.7	836.7	882.1	897.2	676.7
72.5°	595.1	592.1	595.1	610.2	622.3	640.5	673.7	697.9	737.1	755.2	525.7
75°	480.3	474.2	480.3	492.4	489.4	513.5	540.7	564.9	601.2	613.2	389.7
77.5°	368.6	368.6	368.6	380.6	380.6	404.8	416.9	447.1	468.3	486.4	287.0
80°	274.9	271.9	274.9	278.0	278.0	290.0	311.2	332.3	350.4	350.4	196.4
82.5°	193.3	187.3	193.3	193.3	193.3	199.4	211.5	217.5	229.6	238.7	123.9
85°	120.9	120.9	120.9	123.9	120.9	126.8	129.9	135.9	135.9	129.9	75.5
87.5°	78.6	75.5	78.6	75.5	75.5	72.5	72.5	72.5	69.4	66.5	42.3
90°	28.2	28.2	28.2	28.2	28.2	37.6	50.2	56.4	48.5	32.7	20.8
92.5°	113.1	90.6	113.1	135.5	141.1	200.0	278.5	317.8	279.0	201.5	143.4
95°	394.0	326.0	394.0	462.0	479.0	628.9	829.0	928.9	784.5	495.8	279.2
97.5°	943.9	814.6	943.9	1073.4	1105.7	1200.5	1326.9	1390.1	1149.3	667.9	306.7
100°	1360.1	1205.9	1360.1	1514.2	1552.7	1545.8	1536.6	1531.9	1264.8	730.4	329.7
102.5°	1769.4	1637.3	1769.4	1901.4	1934.4	1813.6	1652.5	1572.0	1301.0	759.1	352.7
105°	2291.2	2220.2	2291.2	2362.1	2379.9	2109.1	1748.0	1567.5	1305.2	780.4	386.9
107.5°	2633.1	2650.2	2633.1	2615.8	2611.5	2233.9	1730.3	1478.4	1247.1	784.4	437.4
110°	2763.4	2837.3	2763.4	2689.5	2671.0	2248.7	1685.7	1404.2	1195.6	778.5	465.6



TEST NUMBER: P935345

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2775.0	2888.5	2775.0	2661.5	2633.1	2200.9	1624.7	1336.6	1150.7	778.7	499.8
115°	2701.4	2858.9	2701.4	2544.1	2504.7	2088.4	1533.3	1255.6	1099.1	785.9	551.0
117.5°	2545.4	2720.0	2545.4	2370.8	2327.1	1951.4	1450.4	1199.9	1066.8	800.5	600.7
120°	2419.7	2589.3	2419.7	2250.0	2207.6	1864.3	1406.6	1177.7	1056.0	812.4	629.7
122.5°	2297.2	2464.5	2297.2	2130.0	2088.1	1778.9	1366.7	1160.6	1050.2	829.4	663.8
125°	2122.6	2276.7	2122.6	1968.5	1929.9	1667.3	1317.2	1142.0	1045.5	852.5	707.7
127.5°	1965.5	2095.5	1965.5	1835.4	1802.9	1577.4	1276.8	1126.5	1042.8	875.5	750.0
130°	1872.9	1993.0	1872.9	1752.7	1722.8	1522.0	1254.3	1120.5	1044.5	892.3	778.2
132.5°	1788.9	1896.5	1788.9	1681.2	1654.4	1474.7	1235.1	1115.3	1045.5	905.9	801.2
135°	1673.8	1766.6	1673.8	1581.1	1557.9	1407.4	1206.7	1106.4	1044.5	920.8	828.0
137.5°	1581.5	1657.4	1581.5	1505.6	1486.6	1359.4	1189.7	1104.9	1051.0	943.1	862.1
140°	1518.1	1589.0	1518.1	1447.2	1429.4	1319.6	1173.0	1099.7	1052.0	956.6	885.1
142.5°	1465.7	1526.7	1465.7	1404.6	1389.4	1292.8	1164.1	1099.7	1055.8	968.0	902.2
145°	1387.0	1433.1	1387.0	1340.7	1329.2	1250.2	1145.0	1092.3	1055.9	983.0	928.2
147.5°	1326.5	1364.8	1326.5	1288.2	1278.7	1216.6	1133.7	1092.3	1063.1	1004.7	960.9
150°	1288.5	1319.6	1288.5	1257.5	1249.8	1197.3	1127.3	1092.3	1066.9	1016.1	978.0
152.5°	1256.0	1279.4	1256.0	1232.6	1226.7	1181.9	1122.2	1092.3	1069.4	1023.5	989.1
155°	1218.6	1234.1	1218.6	1203.1	1199.2	1163.6	1116.0	1092.3	1074.8	1039.8	1013.6
157.5°	1189.1	1199.9	1189.1	1178.2	1175.5	1147.7	1110.8	1092.3	1080.2	1056.1	1038.1
160°	1171.5	1177.7	1171.5	1165.2	1163.6	1139.9	1108.2	1092.3	1082.7	1063.6	1049.3
162.5°	1159.9	1165.9	1159.9	1154.0	1152.5	1132.4	1105.7	1092.3	1085.3	1071.5	1061.1
165°	1143.3	1149.5	1143.3	1137.0	1135.4	1121.0	1101.9	1092.3	1089.2	1082.9	1078.2
167.5°	1131.2	1133.9	1131.2	1128.5	1127.9	1118.5	1106.0	1099.7	1097.0	1091.8	1087.8
170°	1127.9	1127.9	1127.9	1127.9	1127.9	1118.5	1106.0	1099.7	1099.5	1099.3	1099.0
172.5°	1119.2	1116.8	1119.2	1121.5	1122.0	1114.6	1104.7	1099.7	1099.7	1099.7	1099.7
175°	1113.8	1113.8	1113.8	1113.8	1113.8	1109.1	1102.8	1099.7	1101.2	1104.2	1106.4
177.5°	1109.1	1106.4	1109.1	1111.8	1112.4	1108.6	1103.7	1101.2	1102.4	1104.7	1106.4
180°	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4



TEST NUMBER: P935345

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1
2.5°	3238.3	3220.2	3220.2	3190.0	3178.0	3168.9	3153.8	3108.5	3096.4	3084.3	3102.5
5°	3265.6	3232.4	3208.2	3153.8	3108.5	3090.3	3032.9	2924.2	2851.7	2797.3	2767.1
7.5°	3271.6	3229.3	3184.0	3099.4	2990.6	2942.3	2767.1	2567.7	2513.4	2465.1	2434.8
10°	3265.6	3217.3	3153.8	3026.9	2770.2	2685.5	2510.3	2380.4	2347.2	2338.1	2347.2
12.5°	3244.4	3199.1	3111.5	2900.0	2540.6	2483.2	2380.4	2304.9	2298.9	2314.0	2395.5
15°	3208.2	3165.9	3063.2	2730.9	2413.6	2371.4	2298.9	2271.7	2304.9	2410.7	2655.4
17.5°	3171.9	3123.5	2996.7	2564.8	2317.0	2286.8	2235.5	2289.8	2477.1	2619.1	2700.6
20°	3123.5	3066.1	2921.2	2443.9	2247.5	2220.3	2196.2	2440.9	2582.9	2634.2	2679.6
22.5°	3066.1	3005.8	2818.4	2359.3	2175.0	2153.9	2169.0	2525.5	2582.9	2619.1	2658.4
25°	2990.6	2939.3	2697.7	2292.9	2117.7	2093.5	2150.9	2516.4	2549.6	2558.7	2637.2
27.5°	2921.2	2854.7	2570.7	2232.4	2048.1	2039.1	2165.9	2477.1	2501.3	2510.3	2594.9
30°	2836.6	2737.0	2428.8	2169.0	1975.6	1972.6	2169.0	2428.8	2422.7	2446.9	2531.5
32.5°	2749.0	2561.7	2268.7	2090.4	1906.2	1903.2	2147.8	2356.2	2350.3	2383.5	2446.9
35°	2667.4	2425.8	2051.2	1999.8	1818.5	1821.6	2096.5	2271.7	2274.8	2304.9	2344.2
37.5°	2582.9	2308.0	1812.6	1900.1	1734.0	1734.0	2027.0	2193.2	2187.1	2196.2	2250.6
40°	2483.2	2123.6	1601.1	1770.2	1655.5	1646.3	1942.4	2108.5	2087.4	2084.4	2160.0
42.5°	2377.4	1921.3	1444.0	1598.1	1564.9	1552.7	1839.7	2005.9	1966.6	1975.6	2072.3
45°	2262.6	1866.9	1323.1	1350.4	1471.1	1462.1	1727.9	1888.1	1860.8	1885.0	1984.7
47.5°	2147.8	1758.1	1283.9	1120.8	1371.5	1368.5	1604.1	1773.3	1758.1	1782.3	1888.1
50°	1990.7	1637.3	1280.8	960.6	1259.7	1271.8	1456.0	1661.5	1661.5	1682.6	1794.4
52.5°	1788.4	1489.2	1163.0	870.0	1129.8	1166.0	1326.2	1564.9	1570.8	1592.0	1691.7
55°	1604.1	1335.3	1078.5	800.5	975.7	1054.3	1199.3	1465.1	1477.2	1498.4	1589.0
57.5°	1434.9	1111.7	1060.3	719.0	833.8	909.3	1087.5	1368.5	1374.5	1392.7	1480.2
60°	1253.7	803.5	972.7	631.4	709.9	767.3	984.8	1253.7	1274.8	1286.9	1362.4
62.5°	1048.2	583.1	882.1	570.9	649.5	661.6	900.2	1144.9	1172.1	1181.2	1226.5
65°	746.1	489.4	749.2	519.6	586.0	589.0	809.6	1033.1	1057.3	1072.4	1105.6
67.5°	504.5	398.7	570.9	471.2	537.7	540.7	722.0	903.2	936.4	948.6	969.7
70°	350.4	265.8	422.9	419.9	483.4	489.4	628.3	785.4	815.7	824.7	836.7
72.5°	256.8	214.5	350.4	377.6	426.0	432.0	531.6	652.5	682.7	691.8	697.9
75°	196.4	226.5	283.9	329.3	362.5	365.5	435.0	531.6	552.8	558.9	561.9
77.5°	157.1	211.5	208.4	265.8	296.1	290.0	341.3	410.9	429.0	429.0	429.0
80°	117.8	166.1	157.1	190.3	217.5	211.5	244.7	293.0	299.0	305.1	302.1
82.5°	87.6	105.7	105.7	120.9	145.0	139.0	163.2	190.3	190.3	190.3	196.4
85°	54.4	60.4	48.3	63.5	81.6	78.6	90.6	102.7	105.7	105.7	99.7
87.5°	33.2	27.2	15.1	24.2	36.2	36.2	42.3	45.3	42.3	42.3	42.3
90°	19.3	13.4	7.4	13.4	19.3	20.8	32.7	48.5	56.4	50.2	37.6
92.5°	130.8	80.2	29.7	80.2	130.8	143.4	201.5	279.0	317.8	278.5	200.0
95°	256.1	163.7	71.3	163.7	256.1	279.2	495.8	784.5	928.9	829.0	628.9
97.5°	286.4	204.8	123.3	204.8	286.4	306.7	667.9	1149.3	1390.1	1326.9	1200.5
100°	311.3	237.3	163.3	237.3	311.3	329.7	730.4	1264.8	1531.9	1536.6	1545.8
102.5°	335.4	266.4	197.5	266.4	335.4	352.7	759.1	1301.0	1572.0	1652.5	1813.6
105°	372.2	313.8	255.5	313.8	372.2	386.9	780.4	1305.2	1567.5	1748.0	2109.1
107.5°	423.7	369.3	314.8	369.3	423.7	437.4	784.4	1247.1	1478.4	1730.3	2233.9
110°	453.3	404.1	354.9	404.1	453.3	465.6	778.5	1195.6	1404.2	1685.7	2248.7



TEST NUMBER: P935345

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	488.1	441.1	394.3	441.1	488.1	499.8	778.7	1150.7	1336.6	1624.7	2200.9
115°	540.2	496.9	453.7	496.9	540.2	551.0	785.9	1099.1	1255.6	1533.3	2088.4
117.5°	590.9	551.6	512.4	551.6	590.9	600.7	800.5	1066.8	1199.9	1450.4	1951.4
120°	620.5	583.5	546.6	583.5	620.5	629.7	812.4	1056.0	1177.7	1406.6	1864.3
122.5°	654.6	617.2	579.9	617.2	654.6	663.8	829.4	1050.2	1160.6	1366.7	1778.9
125°	699.2	665.2	631.2	665.2	699.2	707.7	852.5	1045.5	1142.0	1317.2	1667.3
127.5°	741.4	707.0	672.8	707.0	741.4	750.0	875.5	1042.8	1126.5	1276.8	1577.4
130°	768.9	731.9	695.0	731.9	768.9	778.2	892.3	1044.5	1120.5	1254.3	1522.0
132.5°	791.9	755.0	718.0	755.0	791.9	801.2	905.9	1045.5	1115.3	1235.1	1474.7
135°	819.6	785.9	752.2	785.9	819.6	828.0	920.8	1044.5	1106.4	1206.7	1407.4
137.5°	853.8	820.4	787.1	820.4	853.8	862.1	943.1	1051.0	1104.9	1189.7	1359.4
140°	877.4	846.7	816.0	846.7	877.4	885.1	956.6	1052.0	1099.7	1173.0	1319.6
142.5°	895.1	866.7	838.3	866.7	895.1	902.2	968.0	1055.8	1099.7	1164.1	1292.8
145°	922.1	897.3	872.5	897.3	922.1	928.2	983.0	1055.9	1092.3	1145.0	1250.2
147.5°	954.8	930.7	906.6	930.7	954.8	960.9	1004.7	1063.1	1092.3	1133.7	1216.6
150°	972.5	950.7	928.9	950.7	972.5	978.0	1016.1	1066.9	1092.3	1127.3	1197.3
152.5°	985.0	968.5	952.0	968.5	985.0	989.1	1023.5	1069.4	1092.3	1122.2	1181.9
155°	1010.5	998.3	986.1	998.3	1010.5	1013.6	1039.8	1074.8	1092.3	1116.0	1163.6
157.5°	1035.2	1023.2	1011.3	1023.2	1035.2	1038.1	1056.1	1080.2	1092.3	1110.8	1147.7
160°	1047.0	1037.8	1028.5	1037.8	1047.0	1049.3	1063.6	1082.7	1092.3	1108.2	1139.9
162.5°	1059.5	1052.5	1045.5	1052.5	1059.5	1061.1	1071.5	1085.3	1092.3	1105.7	1132.4
165°	1076.6	1070.3	1064.1	1070.3	1076.6	1078.2	1082.9	1089.2	1092.3	1101.9	1121.0
167.5°	1087.1	1084.1	1081.1	1084.1	1087.1	1087.8	1091.8	1097.0	1099.7	1106.0	1118.5
170°	1098.3	1095.2	1092.3	1095.2	1098.3	1099.0	1099.3	1099.5	1099.7	1106.0	1118.5
172.5°	1099.5	1098.9	1098.3	1098.9	1099.5	1099.7	1099.7	1099.7	1099.7	1104.7	1114.6
175°	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1104.2	1101.2	1099.7	1102.8	1109.1
177.5°	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1104.7	1102.4	1101.2	1103.7	1108.6
180°	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4



TEST NUMBER: P935345

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1
2.5°	3081.3	3072.2	3084.3	3051.1	3084.3	3072.2	3081.3	3102.5	3084.3	3096.4	3108.5
5°	2703.7	2688.6	2640.3	2601.0	2640.3	2688.6	2703.7	2767.1	2797.3	2851.7	2924.2
7.5°	2416.7	2404.6	2392.5	2368.4	2392.5	2404.6	2416.7	2434.8	2465.1	2513.4	2567.7
10°	2353.3	2356.2	2374.4	2371.4	2374.4	2356.2	2353.3	2347.2	2338.1	2347.2	2380.4
12.5°	2516.4	2543.6	2643.2	2637.2	2643.2	2543.6	2516.4	2395.5	2314.0	2298.9	2304.9
15°	2703.7	2712.8	2733.9	2737.0	2733.9	2712.8	2703.7	2655.4	2410.7	2304.9	2271.7
17.5°	2721.8	2724.8	2739.9	2739.9	2739.9	2724.8	2721.8	2700.6	2619.1	2477.1	2289.8
20°	2706.7	2712.8	2742.9	2749.0	2742.9	2712.8	2706.7	2679.6	2634.2	2582.9	2440.9
22.5°	2700.6	2712.8	2737.0	2733.9	2737.0	2712.8	2700.6	2658.4	2619.1	2582.9	2525.5
25°	2670.5	2670.5	2673.5	2676.5	2673.5	2670.5	2670.5	2637.2	2558.7	2549.6	2516.4
27.5°	2607.0	2613.1	2631.2	2628.1	2631.2	2613.1	2607.0	2594.9	2510.3	2501.3	2477.1
30°	2549.6	2543.6	2528.4	2516.4	2528.4	2543.6	2549.6	2531.5	2446.9	2422.7	2428.8
32.5°	2452.9	2437.8	2422.7	2413.6	2422.7	2437.8	2452.9	2446.9	2383.5	2350.3	2356.2
35°	2338.1	2341.2	2338.1	2329.1	2338.1	2341.2	2338.1	2344.2	2304.9	2274.8	2271.7
37.5°	2256.6	2262.6	2259.6	2247.5	2259.6	2262.6	2256.6	2250.6	2196.2	2187.1	2193.2
40°	2172.0	2175.0	2172.0	2162.9	2172.0	2175.0	2172.0	2160.0	2084.4	2087.4	2108.5
42.5°	2090.4	2087.4	2078.4	2072.3	2078.4	2087.4	2090.4	2072.3	1975.6	1966.6	2005.9
45°	1996.8	1999.8	1981.7	1972.6	1981.7	1999.8	1996.8	1984.7	1885.0	1860.8	1888.1
47.5°	1903.2	1903.2	1888.1	1879.0	1888.1	1903.2	1903.2	1888.1	1782.3	1758.1	1773.3
50°	1803.4	1800.4	1779.3	1776.3	1779.3	1800.4	1803.4	1794.4	1682.6	1661.5	1661.5
52.5°	1688.7	1688.7	1691.7	1697.8	1691.7	1688.7	1688.7	1691.7	1592.0	1570.8	1564.9
55°	1589.0	1592.0	1613.1	1619.2	1613.1	1592.0	1589.0	1589.0	1498.4	1477.2	1465.1
57.5°	1486.3	1486.3	1501.4	1501.4	1501.4	1486.3	1486.3	1480.2	1392.7	1374.5	1368.5
60°	1368.5	1374.5	1386.6	1383.6	1386.6	1374.5	1368.5	1362.4	1286.9	1274.8	1253.7
62.5°	1244.6	1250.6	1253.7	1247.6	1253.7	1250.6	1244.6	1226.5	1181.2	1172.1	1144.9
65°	1114.7	1120.8	1123.8	1117.7	1123.8	1120.8	1114.7	1105.6	1072.4	1057.3	1033.1
67.5°	981.8	978.8	975.7	987.9	975.7	978.8	981.8	969.7	948.6	936.4	903.2
70°	845.8	845.8	842.8	848.9	842.8	845.8	845.8	836.7	824.7	815.7	785.4
72.5°	700.9	697.9	709.9	700.9	709.9	697.9	700.9	697.9	691.8	682.7	652.5
75°	558.9	564.9	558.9	567.9	558.9	564.9	558.9	561.9	558.9	552.8	531.6
77.5°	426.0	432.0	426.0	426.0	426.0	432.0	426.0	429.0	429.0	429.0	410.9
80°	302.1	299.0	299.0	296.1	299.0	299.0	302.1	302.1	305.1	299.0	293.0
82.5°	193.3	190.3	190.3	196.4	190.3	190.3	193.3	196.4	190.3	190.3	190.3
85°	105.7	108.7	102.7	102.7	102.7	108.7	105.7	99.7	105.7	105.7	102.7
87.5°	39.3	36.2	36.2	36.2	36.2	36.2	39.3	42.3	42.3	42.3	45.3
90°	28.2	28.2	28.2	28.2	28.2	28.2	28.2	37.6	50.2	56.4	48.5
92.5°	141.1	135.5	113.1	90.6	113.1	135.5	141.1	200.0	278.5	317.8	279.0
95°	479.0	462.0	394.0	326.0	394.0	462.0	479.0	628.9	829.0	928.9	784.5
97.5°	1105.7	1073.4	943.9	814.6	943.9	1073.4	1105.7	1200.5	1326.9	1390.1	1149.3
100°	1552.7	1514.2	1360.1	1205.9	1360.1	1514.2	1552.7	1545.8	1536.6	1531.9	1264.8
102.5°	1934.4	1901.4	1769.4	1637.3	1769.4	1901.4	1934.4	1813.6	1652.5	1572.0	1301.0
105°	2379.9	2362.1	2291.2	2220.2	2291.2	2362.1	2379.9	2109.1	1748.0	1567.5	1305.2
107.5°	2611.5	2615.8	2633.1	2650.2	2633.1	2615.8	2611.5	2233.9	1730.3	1478.4	1247.1
110°	2671.0	2689.5	2763.4	2837.3	2763.4	2689.5	2671.0	2248.7	1685.7	1404.2	1195.6



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2633.1	2661.5	2775.0	2888.5	2775.0	2661.5	2633.1	2200.9	1624.7	1336.6	1150.7
115°	2504.7	2544.1	2701.4	2858.9	2701.4	2544.1	2504.7	2088.4	1533.3	1255.6	1099.1
117.5°	2327.1	2370.8	2545.4	2720.0	2545.4	2370.8	2327.1	1951.4	1450.4	1199.9	1066.8
120°	2207.6	2250.0	2419.7	2589.3	2419.7	2250.0	2207.6	1864.3	1406.6	1177.7	1056.0
122.5°	2088.1	2130.0	2297.2	2464.5	2297.2	2130.0	2088.1	1778.9	1366.7	1160.6	1050.2
125°	1929.9	1968.5	2122.6	2276.7	2122.6	1968.5	1929.9	1667.3	1317.2	1142.0	1045.5
127.5°	1802.9	1835.4	1965.5	2095.5	1965.5	1835.4	1802.9	1577.4	1276.8	1126.5	1042.8
130°	1722.8	1752.7	1872.9	1993.0	1872.9	1752.7	1722.8	1522.0	1254.3	1120.5	1044.5
132.5°	1654.4	1681.2	1788.9	1896.5	1788.9	1681.2	1654.4	1474.7	1235.1	1115.3	1045.5
135°	1557.9	1581.1	1673.8	1766.6	1673.8	1581.1	1557.9	1407.4	1206.7	1106.4	1044.5
137.5°	1486.6	1505.6	1581.5	1657.4	1581.5	1505.6	1486.6	1359.4	1189.7	1104.9	1051.0
140°	1429.4	1447.2	1518.1	1589.0	1518.1	1447.2	1429.4	1319.6	1173.0	1099.7	1052.0
142.5°	1389.4	1404.6	1465.7	1526.7	1465.7	1404.6	1389.4	1292.8	1164.1	1099.7	1055.8
145°	1329.2	1340.7	1387.0	1433.1	1387.0	1340.7	1329.2	1250.2	1145.0	1092.3	1055.9
147.5°	1278.7	1288.2	1326.5	1364.8	1326.5	1288.2	1278.7	1216.6	1133.7	1092.3	1063.1
150°	1249.8	1257.5	1288.5	1319.6	1288.5	1257.5	1249.8	1197.3	1127.3	1092.3	1066.9
152.5°	1226.7	1232.6	1256.0	1279.4	1256.0	1232.6	1226.7	1181.9	1122.2	1092.3	1069.4
155°	1199.2	1203.1	1218.6	1234.1	1218.6	1203.1	1199.2	1163.6	1116.0	1092.3	1074.8
157.5°	1175.5	1178.2	1189.1	1199.9	1189.1	1178.2	1175.5	1147.7	1110.8	1092.3	1080.2
160°	1163.6	1165.2	1171.5	1177.7	1171.5	1165.2	1163.6	1139.9	1108.2	1092.3	1082.7
162.5°	1152.5	1154.0	1159.9	1165.9	1159.9	1154.0	1152.5	1132.4	1105.7	1092.3	1085.3
165°	1135.4	1137.0	1143.3	1149.5	1143.3	1137.0	1135.4	1121.0	1101.9	1092.3	1089.2
167.5°	1127.9	1128.5	1131.2	1133.9	1131.2	1128.5	1127.9	1118.5	1106.0	1099.7	1097.0
170°	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1118.5	1106.0	1099.7	1099.5
172.5°	1122.0	1121.5	1119.2	1116.8	1119.2	1121.5	1122.0	1114.6	1104.7	1099.7	1099.7
175°	1113.8	1113.8	1113.8	1113.8	1113.8	1113.8	1113.8	1109.1	1102.8	1099.7	1101.2
177.5°	1112.4	1111.8	1109.1	1106.4	1109.1	1111.8	1112.4	1108.6	1103.7	1101.2	1102.4
180°	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3193.1	3193.1	3193.1	3193.1	3193.1
2.5°	3153.8	3168.9	3178.0	3190.0	3220.2
5°	3032.9	3090.3	3108.5	3153.8	3208.2
7.5°	2767.1	2942.3	2990.6	3099.4	3184.0
10°	2510.3	2685.5	2770.2	3026.9	3153.8
12.5°	2380.4	2483.2	2540.6	2900.0	3111.5
15°	2298.9	2371.4	2413.6	2730.9	3063.2
17.5°	2235.5	2286.8	2317.0	2564.8	2996.7
20°	2196.2	2220.3	2247.5	2443.9	2921.2
22.5°	2169.0	2153.9	2175.0	2359.3	2818.4
25°	2150.9	2093.5	2117.7	2292.9	2697.7
27.5°	2165.9	2039.1	2048.1	2232.4	2570.7
30°	2169.0	1972.6	1975.6	2169.0	2428.8
32.5°	2147.8	1903.2	1906.2	2090.4	2268.7
35°	2096.5	1821.6	1818.5	1999.8	2051.2
37.5°	2027.0	1734.0	1734.0	1900.1	1812.6
40°	1942.4	1646.3	1655.5	1770.2	1601.1
42.5°	1839.7	1552.7	1564.9	1598.1	1444.0
45°	1727.9	1462.1	1471.1	1350.4	1323.1
47.5°	1604.1	1368.5	1371.5	1120.8	1283.9
50°	1456.0	1271.8	1259.7	960.6	1280.8
52.5°	1326.2	1166.0	1129.8	870.0	1163.0
55°	1199.3	1054.3	975.7	800.5	1078.5
57.5°	1087.5	909.3	833.8	719.0	1060.3
60°	984.8	767.3	709.9	631.4	972.7
62.5°	900.2	661.6	649.5	570.9	882.1
65°	809.6	589.0	586.0	519.6	749.2
67.5°	722.0	540.7	537.7	471.2	570.9
70°	628.3	489.4	483.4	419.9	422.9
72.5°	531.6	432.0	426.0	377.6	350.4
75°	435.0	365.5	362.5	329.3	283.9
77.5°	341.3	290.0	296.1	265.8	208.4
80°	244.7	211.5	217.5	190.3	157.1
82.5°	163.2	139.0	145.0	120.9	105.7
85°	90.6	78.6	81.6	63.5	48.3
87.5°	42.3	36.2	36.2	24.2	15.1
90°	32.7	20.8	19.3	13.4	7.4
92.5°	201.5	143.4	130.8	80.2	29.7
95°	495.8	279.2	256.1	163.7	71.3
97.5°	667.9	306.7	286.4	204.8	123.3
100°	730.4	329.7	311.3	237.3	163.3
102.5°	759.1	352.7	335.4	266.4	197.5
105°	780.4	386.9	372.2	313.8	255.5
107.5°	784.4	437.4	423.7	369.3	314.8
110°	778.5	465.6	453.3	404.1	354.9



TEST NUMBER: P935345

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	778.7	499.8	488.1	441.1	394.3
115°	785.9	551.0	540.2	496.9	453.7
117.5°	800.5	600.7	590.9	551.6	512.4
120°	812.4	629.7	620.5	583.5	546.6
122.5°	829.4	663.8	654.6	617.2	579.9
125°	852.5	707.7	699.2	665.2	631.2
127.5°	875.5	750.0	741.4	707.0	672.8
130°	892.3	778.2	768.9	731.9	695.0
132.5°	905.9	801.2	791.9	755.0	718.0
135°	920.8	828.0	819.6	785.9	752.2
137.5°	943.1	862.1	853.8	820.4	787.1
140°	956.6	885.1	877.4	846.7	816.0
142.5°	968.0	902.2	895.1	866.7	838.3
145°	983.0	928.2	922.1	897.3	872.5
147.5°	1004.7	960.9	954.8	930.7	906.6
150°	1016.1	978.0	972.5	950.7	928.9
152.5°	1023.5	989.1	985.0	968.5	952.0
155°	1039.8	1013.6	1010.5	998.3	986.1
157.5°	1056.1	1038.1	1035.2	1023.2	1011.3
160°	1063.6	1049.3	1047.0	1037.8	1028.5
162.5°	1071.5	1061.1	1059.5	1052.5	1045.5
165°	1082.9	1078.2	1076.6	1070.3	1064.1
167.5°	1091.8	1087.8	1087.1	1084.1	1081.1
170°	1099.3	1099.0	1098.3	1095.2	1092.3
172.5°	1099.7	1099.7	1099.5	1098.9	1098.3
175°	1104.2	1106.4	1106.4	1106.4	1106.4
177.5°	1104.7	1106.4	1106.4	1106.4	1106.4
180°	1106.4	1106.4	1106.4	1106.4	1106.4



TEST NUMBER: P935345
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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	14.50	15.39	15.42	16.34	17.56	17.34	18.23	18.26	19.18	20.39
	3H	14.98	15.78	15.92	16.73	17.98	18.69	19.49	19.62	20.44	21.68
	4H	15.17	15.93	16.12	16.89	18.14	19.13	19.89	20.09	20.85	22.10
	6H	15.29	15.99	16.25	16.95	18.22	19.42	20.12	20.39	21.08	22.35
	8H	15.29	15.96	16.26	16.94	18.20	19.50	20.16	20.47	21.15	22.41
	12H	15.27	15.90	16.24	16.87	18.16	19.54	20.17	20.52	21.15	22.43
4H	2H	15.54	16.30	16.49	17.25	18.50	17.75	18.51	18.71	19.47	20.72
	3H	16.57	17.20	17.54	18.19	19.45	19.26	19.89	20.23	20.88	22.15
	4H	16.85	17.42	17.82	18.40	19.69	19.79	20.37	20.77	21.35	22.64
	6H	16.97	17.47	17.96	18.47	19.76	20.16	20.66	21.15	21.66	22.95
	8H	16.98	17.44	17.97	18.44	19.74	20.27	20.73	21.26	21.73	23.04
	12H	16.95	17.37	17.96	18.38	19.69	20.33	20.75	21.34	21.76	23.07
8H	4H	17.30	17.77	18.29	18.77	20.07	19.92	20.38	20.91	21.38	22.68
	6H	17.57	17.95	18.58	18.99	20.29	20.36	20.74	21.38	21.78	23.08
	8H	17.61	17.95	18.63	18.97	20.29	20.51	20.85	21.54	21.88	23.20
	12H	17.59	17.89	18.62	18.91	20.28	20.61	20.91	21.64	21.93	23.30
12H	4H	17.31	17.73	18.32	18.74	20.05	19.89	20.30	20.89	21.32	22.63
	6H	17.63	17.97	18.65	18.99	20.31	20.36	20.70	21.38	21.72	23.04
	8H	17.70	17.99	18.72	19.01	20.38	20.52	20.82	21.55	21.84	23.20