

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: P935365

Luminaire Tested: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935365
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-8-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

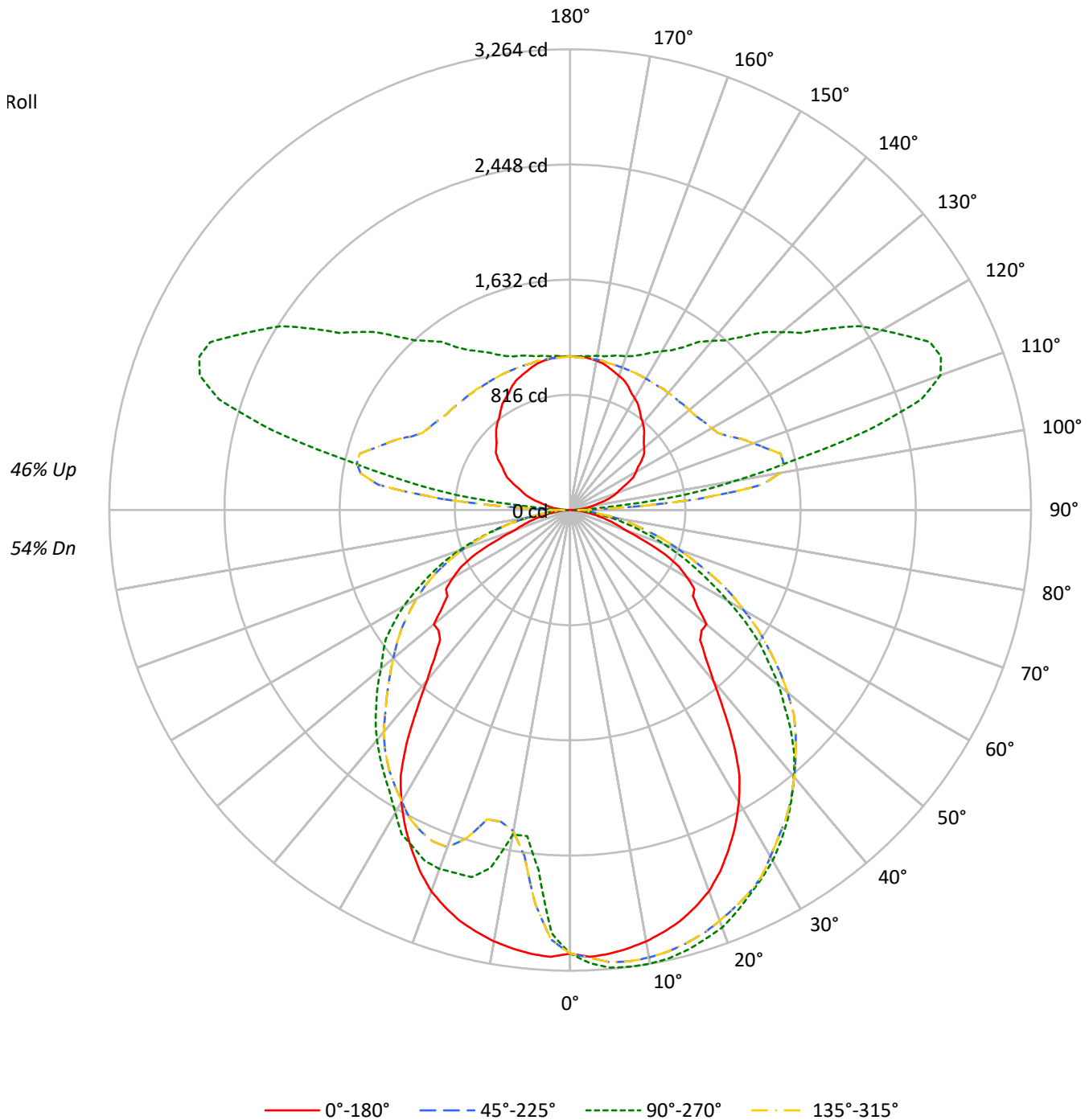
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15207.8 lumens
Efficiency: N/A
Efficacy: 110.5 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	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°	14577	14577	14577	14577
5°	14686	14715	14686	11570
10°	14588	14495	14588	10363
15°	14429	14180	14429	11841
20°	14127	13808	14127	11866
25°	13510	13266	13510	11615
30°	12712	12816	12712	11062
35°	11332	12246	11332	10456
40°	9443	11575	9443	9997
45°	8437	10790	8437	9470
50°	8963	9853	8963	8941
55°	8433	8845	8433	8635
60°	8693	7512	8693	7909
65°	7882	6210	7882	6941
70°	5457	4949	5457	5819
75°	4785	3657	4785	4380
80°	3857	2418	3857	2633
85°	2212	1281	2212	1089

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 12931 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.6	1.9
10°-20°	805.2	5.3
20°-30°	1244.8	8.2
30°-40°	1486.0	9.8
40°-50°	1494.7	9.8
50°-60°	1300.5	8.6
60°-70°	922.1	6.1
70°-80°	487.9	3.2
80°-90°	125.7	0.8
90°-100°	530.7	3.5
100°-110°	1395.2	9.2
110°-120°	1446.6	9.5
120°-130°	1160.4	7.6
130°-140°	910.5	6.0
140°-150°	698.8	4.6
150°-160°	503.3	3.3
160°-170°	307.9	2.0
170°-180°	104.0	0.7
0°-30°	2333.6	15.3
0°-40°	3819.6	25.1
0°-60°	6614.8	43.5
0°-90°	8150.4	53.6
90°-120°	3372.5	22.2
90°-150°	6142.2	40.4
90°-180°	7057.0	46.4
0°-180°	15207.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3142	3142	3142	3142	3142	
5°	3157	3255	3157	2559	3157	299
15°	3014	3225	3014	2693	3014	848
25°	2654	3008	2654	2634	2654	1219
35°	2018	2684	2018	2292	2018	1249
45°	1302	2212	1302	1941	1302	1043
55°	1061	1632	1061	1593	1061	975
65°	737	984	737	1100	737	705
75°	279	467	279	559	279	294
85°	48	119	48	101	48	64
90°	7	28	7	28	7	8
95°	70	321	70	321	70	78
105°	251	2185	251	2185	251	266
115°	446	2813	446	2813	446	441
125°	621	2240	621	2240	621	551
135°	740	1738	740	1738	740	573
145°	858	1410	858	1410	858	538
155°	970	1214	970	1214	970	446
165°	1047	1131	1047	1131	1047	295
175°	1089	1096	1089	1096	1089	103
180°	1089	1089	1089	1089	1089	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9
2.5°	3168.6	3168.6	3186.4	3192.4	3192.4	3183.5	3174.5	3183.5	3210.2	3219.1	3216.2
5°	3156.7	3180.5	3213.2	3219.1	3225.0	3222.1	3216.2	3222.1	3251.8	3257.8	3260.8
7.5°	3132.9	3177.5	3219.1	3228.0	3237.0	3228.0	3225.0	3231.0	3260.8	3266.7	3266.7
10°	3103.2	3165.7	3213.2	3219.1	3228.0	3219.1	3219.1	3231.0	3260.8	3266.7	3269.7
12.5°	3061.6	3147.7	3192.4	3198.3	3210.2	3207.2	3204.3	3216.2	3245.8	3251.8	3251.8
15°	3014.1	3115.1	3156.7	3162.7	3183.5	3177.5	3177.5	3189.4	3222.1	3231.0	3228.0
17.5°	2948.6	3073.4	3121.0	3129.9	3144.8	3141.9	3144.8	3156.7	3186.4	3192.4	3195.3
20°	2874.3	3017.0	3073.4	3082.4	3097.2	3097.2	3097.2	3112.1	3141.9	3153.7	3153.7
22.5°	2773.2	2957.6	3017.0	3022.9	3040.8	3040.8	3046.7	3067.6	3094.3	3097.2	3097.2
25°	2654.4	2892.2	2942.7	2960.5	2978.3	2987.3	2996.2	3008.1	3017.0	3014.1	3017.0
27.5°	2529.5	2808.9	2874.3	2886.2	2910.0	2918.9	2930.8	2933.8	2936.8	2945.6	2939.7
30°	2389.9	2693.0	2791.1	2803.0	2841.7	2847.5	2835.7	2841.7	2856.5	2862.5	2868.4
32.5°	2232.3	2520.6	2704.9	2731.7	2767.4	2749.5	2746.5	2755.4	2779.2	2779.2	2785.2
35°	2018.2	2386.9	2624.6	2648.4	2675.1	2654.4	2666.3	2669.2	2684.1	2693.0	2690.1
37.5°	1783.5	2270.9	2541.5	2559.3	2580.1	2553.3	2571.1	2580.1	2592.0	2586.0	2586.0
40°	1575.4	2089.6	2443.3	2455.2	2473.0	2452.2	2470.0	2476.0	2482.0	2476.0	2473.0
42.5°	1420.8	1890.5	2339.3	2354.1	2342.3	2357.1	2363.1	2374.9	2366.1	2354.1	2354.1
45°	1301.9	1837.0	2226.3	2244.1	2226.3	2250.1	2259.1	2259.1	2232.3	2226.3	2223.3
47.5°	1263.3	1729.9	2113.4	2113.4	2104.5	2134.2	2149.0	2128.2	2101.5	2092.6	2092.6
50°	1260.3	1611.1	1958.8	1946.9	1988.6	2024.2	2009.4	1988.6	1967.7	1935.1	1935.1
52.5°	1144.3	1465.4	1759.7	1804.3	1869.6	1890.5	1866.7	1845.8	1810.2	1795.3	1783.5
55°	1061.2	1313.9	1578.4	1667.5	1735.9	1762.7	1718.0	1697.2	1643.7	1634.9	1628.9
57.5°	1043.3	1093.8	1411.9	1524.8	1608.1	1605.1	1578.4	1539.7	1495.1	1486.2	1483.3
60°	957.1	790.6	1233.6	1367.3	1453.5	1444.6	1420.8	1385.2	1343.5	1337.6	1331.7
62.5°	867.9	573.7	1031.4	1183.0	1304.9	1301.9	1281.1	1227.6	1197.9	1183.0	1171.1
65°	737.2	481.6	734.2	983.9	1159.3	1165.2	1120.6	1082.0	1049.2	1031.4	1028.5
67.5°	561.8	392.3	496.4	820.4	1019.5	1013.6	957.1	939.3	897.7	888.8	870.9
70°	416.1	261.6	344.8	665.8	882.8	867.9	823.3	802.6	763.9	743.1	731.2
72.5°	344.8	211.1	252.7	517.2	743.1	725.3	686.7	662.9	630.2	612.4	600.4
75°	279.4	222.9	193.2	383.5	603.4	591.5	555.9	532.1	505.3	481.6	484.5
77.5°	205.1	208.1	154.6	282.4	478.6	460.8	439.9	410.2	398.3	374.5	374.5
80°	154.6	163.5	115.9	193.2	344.8	344.8	327.0	306.2	285.4	273.5	273.5
82.5°	104.0	104.0	86.2	121.9	234.9	225.9	214.0	208.1	196.2	190.2	190.2
85°	47.5	59.5	53.5	74.3	127.8	133.8	133.8	127.8	124.8	118.9	121.9
87.5°	14.8	26.8	32.7	41.6	65.4	68.3	71.3	71.3	71.3	74.3	74.3
90°	7.3	13.2	19.0	20.5	32.1	47.7	55.5	49.4	37.0	27.8	27.8
92.5°	29.2	79.0	128.7	141.1	198.2	274.6	312.7	274.0	196.8	138.9	133.3
95°	70.2	161.1	252.0	274.7	487.8	771.9	914.0	815.7	618.9	471.3	454.6
97.5°	121.3	201.5	281.8	301.8	657.1	1130.9	1367.8	1305.6	1181.2	1088.0	1056.2
100°	160.7	233.5	306.3	324.4	718.7	1244.5	1507.3	1511.9	1521.0	1527.8	1489.9
102.5°	194.4	262.2	330.1	347.0	746.9	1280.1	1546.8	1626.0	1784.5	1903.4	1870.9
105°	251.4	308.8	366.3	380.7	767.9	1284.3	1542.4	1720.0	2075.2	2341.7	2324.2
107.5°	309.8	363.4	416.9	430.4	771.9	1227.1	1454.7	1702.5	2198.0	2569.6	2573.9
110°	349.2	397.6	446.0	458.1	766.0	1176.4	1381.7	1658.7	2212.6	2628.1	2646.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	387.9	434.1	480.3	491.8	766.2	1132.2	1315.2	1598.7	2165.6	2590.9	2618.8
115°	446.4	489.0	531.5	542.2	773.3	1081.5	1235.5	1508.7	2054.9	2464.5	2503.2
117.5°	504.1	542.8	581.4	591.1	787.7	1049.7	1180.7	1427.2	1920.1	2289.8	2332.8
120°	537.8	574.1	610.5	619.6	799.3	1039.0	1158.8	1384.0	1834.4	2172.2	2213.9
122.5°	570.6	607.3	644.1	653.2	816.1	1033.3	1142.0	1344.8	1750.4	2054.6	2095.8
125°	621.0	654.5	688.0	696.3	838.8	1028.8	1123.7	1296.0	1640.6	1899.0	1936.9
127.5°	662.0	695.7	729.5	737.9	861.4	1026.1	1108.4	1256.3	1552.1	1774.0	1806.0
130°	683.8	720.2	756.6	765.7	877.9	1027.7	1102.5	1234.2	1497.6	1695.1	1724.6
132.5°	706.5	742.9	779.2	788.4	891.4	1028.8	1097.4	1215.3	1451.0	1627.8	1654.3
135°	740.1	773.3	806.5	814.7	906.1	1027.8	1088.7	1187.4	1384.8	1532.9	1555.7
137.5°	774.5	807.2	840.1	848.3	927.9	1034.1	1087.2	1170.6	1337.6	1462.7	1481.4
140°	802.9	833.2	863.4	870.9	941.3	1035.2	1082.1	1154.2	1298.4	1406.5	1424.0
142.5°	824.9	852.8	880.8	887.7	952.5	1038.9	1082.1	1145.4	1272.0	1367.1	1382.1
145°	858.5	882.9	907.3	913.3	967.2	1038.9	1074.8	1126.6	1230.1	1307.9	1319.2
147.5°	892.1	915.8	939.5	945.5	988.6	1046.1	1074.8	1115.5	1197.0	1258.2	1267.6
150°	914.0	935.5	956.9	962.3	999.8	1049.7	1074.8	1109.2	1178.1	1229.7	1237.4
152.5°	936.7	953.0	969.2	973.2	1007.1	1052.2	1074.8	1104.2	1163.0	1207.0	1212.8
155°	970.3	982.3	994.3	997.3	1023.1	1057.6	1074.8	1098.1	1145.0	1180.0	1183.8
157.5°	995.1	1006.8	1018.6	1021.5	1039.2	1062.9	1074.8	1093.0	1129.3	1156.6	1159.3
160°	1012.0	1021.1	1030.2	1032.4	1046.6	1065.4	1074.8	1090.4	1121.6	1145.0	1146.5
162.5°	1028.8	1035.6	1042.5	1044.1	1054.3	1067.9	1074.8	1088.0	1114.2	1134.0	1135.5
165°	1047.0	1053.2	1059.3	1060.9	1065.6	1071.7	1074.8	1084.2	1103.1	1117.2	1118.8
167.5°	1063.8	1066.7	1069.7	1070.4	1074.2	1079.4	1082.1	1088.2	1100.6	1109.8	1110.4
170°	1074.8	1077.7	1080.7	1081.4	1081.6	1081.9	1082.1	1088.2	1100.6	1109.8	1109.8
172.5°	1080.7	1081.3	1081.9	1082.1	1082.1	1082.1	1082.1	1087.0	1096.7	1104.0	1103.5
175°	1088.7	1088.7	1088.7	1088.7	1086.5	1083.6	1082.1	1085.1	1091.3	1095.9	1095.9
177.5°	1088.7	1088.7	1088.7	1088.7	1087.0	1084.7	1083.6	1086.0	1090.8	1094.5	1093.9
180°	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9
2.5°	3222.1	3213.2	3222.1	3216.2	3219.1	3210.2	3183.5	3174.5	3183.5	3192.4	3192.4
5°	3260.8	3254.8	3260.8	3260.8	3257.8	3251.8	3222.1	3216.2	3222.1	3225.0	3219.1
7.5°	3272.6	3263.7	3272.6	3266.7	3266.7	3260.8	3231.0	3225.0	3228.0	3237.0	3228.0
10°	3272.6	3263.7	3272.6	3269.7	3266.7	3260.8	3231.0	3219.1	3219.1	3228.0	3219.1
12.5°	3257.8	3251.8	3257.8	3251.8	3251.8	3245.8	3216.2	3204.3	3207.2	3210.2	3198.3
15°	3234.0	3225.0	3234.0	3228.0	3231.0	3222.1	3189.4	3177.5	3177.5	3183.5	3162.7
17.5°	3198.3	3186.4	3198.3	3195.3	3192.4	3186.4	3156.7	3144.8	3141.9	3144.8	3129.9
20°	3156.7	3147.7	3156.7	3153.7	3153.7	3141.9	3112.1	3097.2	3097.2	3097.2	3082.4
22.5°	3091.3	3082.4	3091.3	3097.2	3097.2	3094.3	3067.6	3046.7	3040.8	3040.8	3022.9
25°	3017.0	3008.1	3017.0	3017.0	3014.1	3017.0	3008.1	2996.2	2987.3	2978.3	2960.5
27.5°	2945.6	2939.7	2945.6	2939.7	2945.6	2936.8	2933.8	2930.8	2918.9	2910.0	2886.2
30°	2874.3	2868.4	2874.3	2868.4	2862.5	2856.5	2841.7	2835.7	2847.5	2841.7	2803.0
32.5°	2785.2	2779.2	2785.2	2785.2	2779.2	2779.2	2755.4	2746.5	2749.5	2767.4	2731.7
35°	2693.0	2684.1	2693.0	2690.1	2693.0	2684.1	2669.2	2666.3	2654.4	2675.1	2648.4
37.5°	2586.0	2577.1	2586.0	2586.0	2586.0	2592.0	2580.1	2571.1	2553.3	2580.1	2559.3
40°	2476.0	2464.2	2476.0	2473.0	2476.0	2482.0	2476.0	2470.0	2452.2	2473.0	2455.2
42.5°	2351.2	2348.2	2351.2	2354.1	2354.1	2366.1	2374.9	2363.1	2357.1	2342.3	2354.1
45°	2217.4	2211.5	2217.4	2223.3	2226.3	2232.3	2259.1	2259.1	2250.1	2226.3	2244.1
47.5°	2074.7	2059.9	2074.7	2092.6	2092.6	2101.5	2128.2	2149.0	2134.2	2104.5	2113.4
50°	1923.1	1926.1	1923.1	1935.1	1935.1	1967.7	1988.6	2009.4	2024.2	1988.6	1946.9
52.5°	1774.5	1771.5	1774.5	1783.5	1795.3	1810.2	1845.8	1866.7	1890.5	1869.6	1804.3
55°	1625.9	1631.9	1625.9	1628.9	1634.9	1643.7	1697.2	1718.0	1762.7	1735.9	1667.5
57.5°	1477.3	1468.3	1477.3	1483.3	1486.2	1495.1	1539.7	1578.4	1605.1	1608.1	1524.8
60°	1304.9	1293.0	1304.9	1331.7	1337.6	1343.5	1385.2	1420.8	1444.6	1453.5	1367.3
62.5°	1153.3	1132.5	1153.3	1171.1	1183.0	1197.9	1227.6	1281.1	1301.9	1304.9	1183.0
65°	992.7	983.9	992.7	1028.5	1031.4	1049.2	1082.0	1120.6	1165.2	1159.3	983.9
67.5°	847.1	847.1	847.1	870.9	888.8	897.7	939.3	957.1	1013.6	1019.5	820.4
70°	713.4	710.4	713.4	731.2	743.1	763.9	802.6	823.3	867.9	882.8	665.8
72.5°	585.6	582.6	585.6	600.4	612.4	630.2	662.9	686.7	725.3	743.1	517.2
75°	472.6	466.6	472.6	484.5	481.6	505.3	532.1	555.9	591.5	603.4	383.5
77.5°	362.7	362.7	362.7	374.5	374.5	398.3	410.2	439.9	460.8	478.6	282.4
80°	270.5	267.5	270.5	273.5	273.5	285.4	306.2	327.0	344.8	344.8	193.2
82.5°	190.2	184.3	190.2	190.2	190.2	196.2	208.1	214.0	225.9	234.9	121.9
85°	118.9	118.9	118.9	121.9	118.9	124.8	127.8	133.8	133.8	127.8	74.3
87.5°	77.3	74.3	77.3	74.3	74.3	71.3	71.3	71.3	68.3	65.4	41.6
90°	27.8	27.8	27.8	27.8	27.8	37.0	49.4	55.5	47.7	32.1	20.5
92.5°	111.3	89.1	111.3	133.3	138.9	196.8	274.0	312.7	274.6	198.2	141.1
95°	387.7	320.8	387.7	454.6	471.3	618.9	815.7	914.0	771.9	487.8	274.7
97.5°	928.8	801.5	928.8	1056.2	1088.0	1181.2	1305.6	1367.8	1130.9	657.1	301.8
100°	1338.3	1186.6	1338.3	1489.9	1527.8	1521.0	1511.9	1507.3	1244.5	718.7	324.4
102.5°	1741.0	1611.1	1741.0	1870.9	1903.4	1784.5	1626.0	1546.8	1280.1	746.9	347.0
105°	2254.4	2184.6	2254.4	2324.2	2341.7	2075.2	1720.0	1542.4	1284.3	767.9	380.7
107.5°	2590.8	2607.7	2590.8	2573.9	2569.6	2198.0	1702.5	1454.7	1227.1	771.9	430.4
110°	2719.0	2791.8	2719.0	2646.3	2628.1	2212.6	1658.7	1381.7	1176.4	766.0	458.1



TEST NUMBER: P935365

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2730.5	2842.2	2730.5	2618.8	2590.9	2165.6	1598.7	1315.2	1132.2	766.2	491.8
115°	2658.1	2813.0	2658.1	2503.2	2464.5	2054.9	1508.7	1235.5	1081.5	773.3	542.2
117.5°	2504.6	2676.4	2504.6	2332.8	2289.8	1920.1	1427.2	1180.7	1049.7	787.7	591.1
120°	2380.9	2547.8	2380.9	2213.9	2172.2	1834.4	1384.0	1158.8	1039.0	799.3	619.6
122.5°	2260.4	2425.0	2260.4	2095.8	2054.6	1750.4	1344.8	1142.0	1033.3	816.1	653.2
125°	2088.5	2240.2	2088.5	1936.9	1899.0	1640.6	1296.0	1123.7	1028.8	838.8	696.3
127.5°	1933.9	2061.9	1933.9	1806.0	1774.0	1552.1	1256.3	1108.4	1026.1	861.4	737.9
130°	1842.9	1961.1	1842.9	1724.6	1695.1	1497.6	1234.2	1102.5	1027.7	877.9	765.7
132.5°	1760.2	1866.0	1760.2	1654.3	1627.8	1451.0	1215.3	1097.4	1028.8	891.4	788.4
135°	1647.0	1738.2	1647.0	1555.7	1532.9	1384.8	1187.4	1088.7	1027.8	906.1	814.7
137.5°	1556.1	1630.8	1556.1	1481.4	1462.7	1337.6	1170.6	1087.2	1034.1	927.9	848.3
140°	1493.7	1563.6	1493.7	1424.0	1406.5	1298.4	1154.2	1082.1	1035.2	941.3	870.9
142.5°	1442.2	1502.2	1442.2	1382.1	1367.1	1272.0	1145.4	1082.1	1038.9	952.5	887.7
145°	1364.7	1410.1	1364.7	1319.2	1307.9	1230.1	1126.6	1074.8	1038.9	967.2	913.3
147.5°	1305.2	1342.9	1305.2	1267.6	1258.2	1197.0	1115.5	1074.8	1046.1	988.6	945.5
150°	1267.8	1298.4	1267.8	1237.4	1229.7	1178.1	1109.2	1074.8	1049.7	999.8	962.3
152.5°	1235.9	1258.9	1235.9	1212.8	1207.0	1163.0	1104.2	1074.8	1052.2	1007.1	973.2
155°	1199.1	1214.3	1199.1	1183.8	1180.0	1145.0	1098.1	1074.8	1057.6	1023.1	997.3
157.5°	1170.0	1180.7	1170.0	1159.3	1156.6	1129.3	1093.0	1074.8	1062.9	1039.2	1021.5
160°	1152.7	1158.8	1152.7	1146.5	1145.0	1121.6	1090.4	1074.8	1065.4	1046.6	1032.4
162.5°	1141.3	1147.1	1141.3	1135.5	1134.0	1114.2	1088.0	1074.8	1067.9	1054.3	1044.1
165°	1124.9	1131.1	1124.9	1118.8	1117.2	1103.1	1084.2	1074.8	1071.7	1065.6	1060.9
167.5°	1113.1	1115.7	1113.1	1110.4	1109.8	1100.6	1088.2	1082.1	1079.4	1074.2	1070.4
170°	1109.8	1109.8	1109.8	1109.8	1109.8	1100.6	1088.2	1082.1	1081.9	1081.6	1081.4
172.5°	1101.2	1098.9	1101.2	1103.5	1104.0	1096.7	1087.0	1082.1	1082.1	1082.1	1082.1
175°	1095.9	1095.9	1095.9	1095.9	1095.9	1091.3	1085.1	1082.1	1083.6	1086.5	1088.7
177.5°	1091.3	1088.7	1091.3	1093.9	1094.5	1090.8	1086.0	1083.6	1084.7	1087.0	1088.7
180°	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7



TEST NUMBER: P935365

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9
2.5°	3186.4	3168.6	3168.6	3138.9	3127.0	3118.1	3103.2	3058.6	3046.7	3034.8	3052.7
5°	3213.2	3180.5	3156.7	3103.2	3058.6	3040.8	2984.3	2877.3	2806.0	2752.4	2722.7
7.5°	3219.1	3177.5	3132.9	3049.7	2942.7	2895.1	2722.7	2526.5	2473.0	2425.5	2395.7
10°	3213.2	3165.7	3103.2	2978.3	2725.7	2642.5	2470.0	2342.3	2309.6	2300.6	2309.6
12.5°	3192.4	3147.7	3061.6	2853.5	2499.8	2443.3	2342.3	2267.9	2262.0	2276.9	2357.1
15°	3156.7	3115.1	3014.1	2687.1	2374.9	2333.4	2262.0	2235.3	2267.9	2372.0	2612.8
17.5°	3121.0	3073.4	2948.6	2523.6	2279.8	2250.1	2199.6	2253.1	2437.4	2577.1	2657.3
20°	3073.4	3017.0	2874.3	2404.7	2211.5	2184.7	2161.0	2401.7	2541.5	2592.0	2636.6
22.5°	3017.0	2957.6	2773.2	2321.4	2140.2	2119.3	2134.2	2485.0	2541.5	2577.1	2615.8
25°	2942.7	2892.2	2654.4	2256.1	2083.7	2059.9	2116.4	2476.0	2508.7	2517.6	2594.9
27.5°	2874.3	2808.9	2529.5	2196.6	2015.3	2006.4	2131.2	2437.4	2461.2	2470.0	2553.3
30°	2791.1	2693.0	2389.9	2134.2	1943.9	1941.0	2134.2	2389.9	2383.9	2407.7	2490.9
32.5°	2704.9	2520.6	2232.3	2056.9	1875.6	1872.6	2113.4	2318.5	2312.6	2345.2	2407.7
35°	2624.6	2386.9	2018.2	1967.7	1789.4	1792.3	2062.9	2235.3	2238.3	2267.9	2306.6
37.5°	2541.5	2270.9	1783.5	1869.6	1706.2	1706.2	1994.4	2158.0	2152.0	2161.0	2214.5
40°	2443.3	2089.6	1575.4	1741.8	1628.9	1619.9	1911.3	2074.7	2053.9	2051.0	2125.3
42.5°	2339.3	1890.5	1420.8	1572.4	1539.7	1527.8	1810.2	1973.7	1935.1	1943.9	2039.1
45°	2226.3	1837.0	1301.9	1328.7	1447.5	1438.7	1700.2	1857.8	1831.0	1854.8	1952.9
47.5°	2113.4	1729.9	1263.3	1102.8	1349.5	1346.5	1578.4	1744.8	1729.9	1753.7	1857.8
50°	1958.8	1611.1	1260.3	945.2	1239.5	1251.4	1432.7	1634.9	1634.9	1655.6	1765.6
52.5°	1759.7	1465.4	1144.3	856.1	1111.7	1147.3	1304.9	1539.7	1545.6	1566.4	1664.6
55°	1578.4	1313.9	1061.2	787.7	960.1	1037.4	1180.1	1441.6	1453.5	1474.3	1563.5
57.5°	1411.9	1093.8	1043.3	707.5	820.4	894.7	1070.0	1346.5	1352.4	1370.3	1456.5
60°	1233.6	790.6	957.1	621.2	698.5	755.0	969.0	1233.6	1254.4	1266.2	1340.6
62.5°	1031.4	573.7	867.9	561.8	639.1	651.0	885.8	1126.5	1153.3	1162.3	1206.8
65°	734.2	481.6	737.2	511.3	576.6	579.6	796.6	1016.5	1040.3	1055.2	1087.9
67.5°	496.4	392.3	561.8	463.7	529.1	532.1	710.4	888.8	921.4	933.4	954.2
70°	344.8	261.6	416.1	413.2	475.6	481.6	618.2	772.8	802.6	811.5	823.3
72.5°	252.7	211.1	344.8	371.5	419.1	425.1	523.1	642.0	671.7	680.7	686.7
75°	193.2	222.9	279.4	324.0	356.7	359.7	428.0	523.1	543.9	549.9	552.9
77.5°	154.6	208.1	205.1	261.6	291.3	285.4	335.9	404.3	422.1	422.1	422.1
80°	115.9	163.5	154.6	187.3	214.0	208.1	240.7	288.3	294.2	300.2	297.2
82.5°	86.2	104.0	104.0	118.9	142.6	136.8	160.6	187.3	187.3	187.3	193.2
85°	53.5	59.5	47.5	62.4	80.3	77.3	89.1	101.1	104.0	104.0	98.1
87.5°	32.7	26.8	14.8	23.8	35.7	35.7	41.6	44.6	41.6	41.6	41.6
90°	19.0	13.2	7.3	13.2	19.0	20.5	32.1	47.7	55.5	49.4	37.0
92.5°	128.7	79.0	29.2	79.0	128.7	141.1	198.2	274.6	312.7	274.0	196.8
95°	252.0	161.1	70.2	161.1	252.0	274.7	487.8	771.9	914.0	815.7	618.9
97.5°	281.8	201.5	121.3	201.5	281.8	301.8	657.1	1130.9	1367.8	1305.6	1181.2
100°	306.3	233.5	160.7	233.5	306.3	324.4	718.7	1244.5	1507.3	1511.9	1521.0
102.5°	330.1	262.2	194.4	262.2	330.1	347.0	746.9	1280.1	1546.8	1626.0	1784.5
105°	366.3	308.8	251.4	308.8	366.3	380.7	767.9	1284.3	1542.4	1720.0	2075.2
107.5°	416.9	363.4	309.8	363.4	416.9	430.4	771.9	1227.1	1454.7	1702.5	2198.0
110°	446.0	397.6	349.2	397.6	446.0	458.1	766.0	1176.4	1381.7	1658.7	2212.6



TEST NUMBER: P935365

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	480.3	434.1	387.9	434.1	480.3	491.8	766.2	1132.2	1315.2	1598.7	2165.6
115°	531.5	489.0	446.4	489.0	531.5	542.2	773.3	1081.5	1235.5	1508.7	2054.9
117.5°	581.4	542.8	504.1	542.8	581.4	591.1	787.7	1049.7	1180.7	1427.2	1920.1
120°	610.5	574.1	537.8	574.1	610.5	619.6	799.3	1039.0	1158.8	1384.0	1834.4
122.5°	644.1	607.3	570.6	607.3	644.1	653.2	816.1	1033.3	1142.0	1344.8	1750.4
125°	688.0	654.5	621.0	654.5	688.0	696.3	838.8	1028.8	1123.7	1296.0	1640.6
127.5°	729.5	695.7	662.0	695.7	729.5	737.9	861.4	1026.1	1108.4	1256.3	1552.1
130°	756.6	720.2	683.8	720.2	756.6	765.7	877.9	1027.7	1102.5	1234.2	1497.6
132.5°	779.2	742.9	706.5	742.9	779.2	788.4	891.4	1028.8	1097.4	1215.3	1451.0
135°	806.5	773.3	740.1	773.3	806.5	814.7	906.1	1027.8	1088.7	1187.4	1384.8
137.5°	840.1	807.2	774.5	807.2	840.1	848.3	927.9	1034.1	1087.2	1170.6	1337.6
140°	863.4	833.2	802.9	833.2	863.4	870.9	941.3	1035.2	1082.1	1154.2	1298.4
142.5°	880.8	852.8	824.9	852.8	880.8	887.7	952.5	1038.9	1082.1	1145.4	1272.0
145°	907.3	882.9	858.5	882.9	907.3	913.3	967.2	1038.9	1074.8	1126.6	1230.1
147.5°	939.5	915.8	892.1	915.8	939.5	945.5	988.6	1046.1	1074.8	1115.5	1197.0
150°	956.9	935.5	914.0	935.5	956.9	962.3	999.8	1049.7	1074.8	1109.2	1178.1
152.5°	969.2	953.0	936.7	953.0	969.2	973.2	1007.1	1052.2	1074.8	1104.2	1163.0
155°	994.3	982.3	970.3	982.3	994.3	997.3	1023.1	1057.6	1074.8	1098.1	1145.0
157.5°	1018.6	1006.8	995.1	1006.8	1018.6	1021.5	1039.2	1062.9	1074.8	1093.0	1129.3
160°	1030.2	1021.1	1012.0	1021.1	1030.2	1032.4	1046.6	1065.4	1074.8	1090.4	1121.6
162.5°	1042.5	1035.6	1028.8	1035.6	1042.5	1044.1	1054.3	1067.9	1074.8	1088.0	1114.2
165°	1059.3	1053.2	1047.0	1053.2	1059.3	1060.9	1065.6	1071.7	1074.8	1084.2	1103.1
167.5°	1069.7	1066.7	1063.8	1066.7	1069.7	1070.4	1074.2	1079.4	1082.1	1088.2	1100.6
170°	1080.7	1077.7	1074.8	1077.7	1080.7	1081.4	1081.6	1081.9	1082.1	1088.2	1100.6
172.5°	1081.9	1081.3	1080.7	1081.3	1081.9	1082.1	1082.1	1082.1	1082.1	1087.0	1096.7
175°	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1086.5	1083.6	1082.1	1085.1	1091.3
177.5°	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1087.0	1084.7	1083.6	1086.0	1090.8
180°	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7



TEST NUMBER: P935365

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9
2.5°	3031.9	3022.9	3034.8	3002.1	3034.8	3022.9	3031.9	3052.7	3034.8	3046.7	3058.6
5°	2660.3	2645.4	2597.9	2559.3	2597.9	2645.4	2660.3	2722.7	2752.4	2806.0	2877.3
7.5°	2377.9	2366.1	2354.1	2330.4	2354.1	2366.1	2377.9	2395.7	2425.5	2473.0	2526.5
10°	2315.6	2318.5	2336.3	2333.4	2336.3	2318.5	2315.6	2309.6	2300.6	2309.6	2342.3
12.5°	2476.0	2502.8	2600.8	2594.9	2600.8	2502.8	2476.0	2357.1	2276.9	2262.0	2267.9
15°	2660.3	2669.2	2690.1	2693.0	2690.1	2669.2	2660.3	2612.8	2372.0	2267.9	2235.3
17.5°	2678.1	2681.1	2695.9	2695.9	2695.9	2681.1	2678.1	2657.3	2577.1	2437.4	2253.1
20°	2663.3	2669.2	2698.9	2704.9	2698.9	2669.2	2663.3	2636.6	2592.0	2541.5	2401.7
22.5°	2657.3	2669.2	2693.0	2690.1	2693.0	2669.2	2657.3	2615.8	2577.1	2541.5	2485.0
25°	2627.6	2627.6	2630.6	2633.6	2630.6	2627.6	2627.6	2594.9	2517.6	2508.7	2476.0
27.5°	2565.2	2571.1	2589.0	2586.0	2589.0	2571.1	2565.2	2553.3	2470.0	2461.2	2437.4
30°	2508.7	2502.8	2487.9	2476.0	2487.9	2502.8	2508.7	2490.9	2407.7	2383.9	2389.9
32.5°	2413.6	2398.7	2383.9	2374.9	2383.9	2398.7	2413.6	2407.7	2345.2	2312.6	2318.5
35°	2300.6	2303.6	2300.6	2291.8	2300.6	2303.6	2300.6	2306.6	2267.9	2238.3	2235.3
37.5°	2220.4	2226.3	2223.3	2211.5	2223.3	2226.3	2220.4	2214.5	2161.0	2152.0	2158.0
40°	2137.2	2140.2	2137.2	2128.2	2137.2	2140.2	2137.2	2125.3	2051.0	2053.9	2074.7
42.5°	2056.9	2053.9	2045.0	2039.1	2045.0	2053.9	2056.9	2039.1	1943.9	1935.1	1973.7
45°	1964.8	1967.7	1949.9	1941.0	1949.9	1967.7	1964.8	1952.9	1854.8	1831.0	1857.8
47.5°	1872.6	1872.6	1857.8	1848.8	1857.8	1872.6	1872.6	1857.8	1753.7	1729.9	1744.8
50°	1774.5	1771.5	1750.7	1747.8	1750.7	1771.5	1774.5	1765.6	1655.6	1634.9	1634.9
52.5°	1661.6	1661.6	1664.6	1670.5	1664.6	1661.6	1661.6	1664.6	1566.4	1545.6	1539.7
55°	1563.5	1566.4	1587.3	1593.2	1587.3	1566.4	1563.5	1563.5	1474.3	1453.5	1441.6
57.5°	1462.5	1462.5	1477.3	1477.3	1477.3	1462.5	1462.5	1456.5	1370.3	1352.4	1346.5
60°	1346.5	1352.4	1364.4	1361.4	1364.4	1352.4	1346.5	1340.6	1266.2	1254.4	1233.6
62.5°	1224.6	1230.6	1233.6	1227.6	1233.6	1230.6	1224.6	1206.8	1162.3	1153.3	1126.5
65°	1096.8	1102.8	1105.8	1099.8	1105.8	1102.8	1096.8	1087.9	1055.2	1040.3	1016.5
67.5°	966.0	963.1	960.1	972.0	960.1	963.1	966.0	954.2	933.4	921.4	888.8
70°	832.3	832.3	829.3	835.3	829.3	832.3	832.3	823.3	811.5	802.6	772.8
72.5°	689.6	686.7	698.5	689.6	698.5	686.7	689.6	686.7	680.7	671.7	642.0
75°	549.9	555.9	549.9	558.8	549.9	555.9	549.9	552.9	549.9	543.9	523.1
77.5°	419.1	425.1	419.1	419.1	419.1	425.1	419.1	422.1	422.1	422.1	404.3
80°	297.2	294.2	294.2	291.3	294.2	294.2	297.2	297.2	300.2	294.2	288.3
82.5°	190.2	187.3	187.3	193.2	187.3	187.3	190.2	193.2	187.3	187.3	187.3
85°	104.0	107.0	101.1	101.1	101.1	107.0	104.0	98.1	104.0	104.0	101.1
87.5°	38.6	35.7	35.7	35.7	35.7	35.7	38.6	41.6	41.6	41.6	44.6
90°	27.8	27.8	27.8	27.8	27.8	27.8	27.8	37.0	49.4	55.5	47.7
92.5°	138.9	133.3	111.3	89.1	111.3	133.3	138.9	196.8	274.0	312.7	274.6
95°	471.3	454.6	387.7	320.8	387.7	454.6	471.3	618.9	815.7	914.0	771.9
97.5°	1088.0	1056.2	928.8	801.5	928.8	1056.2	1088.0	1181.2	1305.6	1367.8	1130.9
100°	1527.8	1489.9	1338.3	1186.6	1338.3	1489.9	1527.8	1521.0	1511.9	1507.3	1244.5
102.5°	1903.4	1870.9	1741.0	1611.1	1741.0	1870.9	1903.4	1784.5	1626.0	1546.8	1280.1
105°	2341.7	2324.2	2254.4	2184.6	2254.4	2324.2	2341.7	2075.2	1720.0	1542.4	1284.3
107.5°	2569.6	2573.9	2590.8	2607.7	2590.8	2573.9	2569.6	2198.0	1702.5	1454.7	1227.1
110°	2628.1	2646.3	2719.0	2791.8	2719.0	2646.3	2628.1	2212.6	1658.7	1381.7	1176.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2590.9	2618.8	2730.5	2842.2	2730.5	2618.8	2590.9	2165.6	1598.7	1315.2	1132.2
115°	2464.5	2503.2	2658.1	2813.0	2658.1	2503.2	2464.5	2054.9	1508.7	1235.5	1081.5
117.5°	2289.8	2332.8	2504.6	2676.4	2504.6	2332.8	2289.8	1920.1	1427.2	1180.7	1049.7
120°	2172.2	2213.9	2380.9	2547.8	2380.9	2213.9	2172.2	1834.4	1384.0	1158.8	1039.0
122.5°	2054.6	2095.8	2260.4	2425.0	2260.4	2095.8	2054.6	1750.4	1344.8	1142.0	1033.3
125°	1899.0	1936.9	2088.5	2240.2	2088.5	1936.9	1899.0	1640.6	1296.0	1123.7	1028.8
127.5°	1774.0	1806.0	1933.9	2061.9	1933.9	1806.0	1774.0	1552.1	1256.3	1108.4	1026.1
130°	1695.1	1724.6	1842.9	1961.1	1842.9	1724.6	1695.1	1497.6	1234.2	1102.5	1027.7
132.5°	1627.8	1654.3	1760.2	1866.0	1760.2	1654.3	1627.8	1451.0	1215.3	1097.4	1028.8
135°	1532.9	1555.7	1647.0	1738.2	1647.0	1555.7	1532.9	1384.8	1187.4	1088.7	1027.8
137.5°	1462.7	1481.4	1556.1	1630.8	1556.1	1481.4	1462.7	1337.6	1170.6	1087.2	1034.1
140°	1406.5	1424.0	1493.7	1563.6	1493.7	1424.0	1406.5	1298.4	1154.2	1082.1	1035.2
142.5°	1367.1	1382.1	1442.2	1502.2	1442.2	1382.1	1367.1	1272.0	1145.4	1082.1	1038.9
145°	1307.9	1319.2	1364.7	1410.1	1364.7	1319.2	1307.9	1230.1	1126.6	1074.8	1038.9
147.5°	1258.2	1267.6	1305.2	1342.9	1305.2	1267.6	1258.2	1197.0	1115.5	1074.8	1046.1
150°	1229.7	1237.4	1267.8	1298.4	1267.8	1237.4	1229.7	1178.1	1109.2	1074.8	1049.7
152.5°	1207.0	1212.8	1235.9	1258.9	1235.9	1212.8	1207.0	1163.0	1104.2	1074.8	1052.2
155°	1180.0	1183.8	1199.1	1214.3	1199.1	1183.8	1180.0	1145.0	1098.1	1074.8	1057.6
157.5°	1156.6	1159.3	1170.0	1180.7	1170.0	1159.3	1156.6	1129.3	1093.0	1074.8	1062.9
160°	1145.0	1146.5	1152.7	1158.8	1152.7	1146.5	1145.0	1121.6	1090.4	1074.8	1065.4
162.5°	1134.0	1135.5	1141.3	1147.1	1141.3	1135.5	1134.0	1114.2	1088.0	1074.8	1067.9
165°	1117.2	1118.8	1124.9	1131.1	1124.9	1118.8	1117.2	1103.1	1084.2	1074.8	1071.7
167.5°	1109.8	1110.4	1113.1	1115.7	1113.1	1110.4	1109.8	1100.6	1088.2	1082.1	1079.4
170°	1109.8	1109.8	1109.8	1109.8	1109.8	1109.8	1109.8	1100.6	1088.2	1082.1	1081.9
172.5°	1104.0	1103.5	1101.2	1098.9	1101.2	1103.5	1104.0	1096.7	1087.0	1082.1	1082.1
175°	1095.9	1095.9	1095.9	1095.9	1095.9	1095.9	1095.9	1091.3	1085.1	1082.1	1083.6
177.5°	1094.5	1093.9	1091.3	1088.7	1091.3	1093.9	1094.5	1090.8	1086.0	1083.6	1084.7
180°	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3141.9	3141.9	3141.9	3141.9	3141.9
2.5°	3103.2	3118.1	3127.0	3138.9	3168.6
5°	2984.3	3040.8	3058.6	3103.2	3156.7
7.5°	2722.7	2895.1	2942.7	3049.7	3132.9
10°	2470.0	2642.5	2725.7	2978.3	3103.2
12.5°	2342.3	2443.3	2499.8	2853.5	3061.6
15°	2262.0	2333.4	2374.9	2687.1	3014.1
17.5°	2199.6	2250.1	2279.8	2523.6	2948.6
20°	2161.0	2184.7	2211.5	2404.7	2874.3
22.5°	2134.2	2119.3	2140.2	2321.4	2773.2
25°	2116.4	2059.9	2083.7	2256.1	2654.4
27.5°	2131.2	2006.4	2015.3	2196.6	2529.5
30°	2134.2	1941.0	1943.9	2134.2	2389.9
32.5°	2113.4	1872.6	1875.6	2056.9	2232.3
35°	2062.9	1792.3	1789.4	1967.7	2018.2
37.5°	1994.4	1706.2	1706.2	1869.6	1783.5
40°	1911.3	1619.9	1628.9	1741.8	1575.4
42.5°	1810.2	1527.8	1539.7	1572.4	1420.8
45°	1700.2	1438.7	1447.5	1328.7	1301.9
47.5°	1578.4	1346.5	1349.5	1102.8	1263.3
50°	1432.7	1251.4	1239.5	945.2	1260.3
52.5°	1304.9	1147.3	1111.7	856.1	1144.3
55°	1180.1	1037.4	960.1	787.7	1061.2
57.5°	1070.0	894.7	820.4	707.5	1043.3
60°	969.0	755.0	698.5	621.2	957.1
62.5°	885.8	651.0	639.1	561.8	867.9
65°	796.6	579.6	576.6	511.3	737.2
67.5°	710.4	532.1	529.1	463.7	561.8
70°	618.2	481.6	475.6	413.2	416.1
72.5°	523.1	425.1	419.1	371.5	344.8
75°	428.0	359.7	356.7	324.0	279.4
77.5°	335.9	285.4	291.3	261.6	205.1
80°	240.7	208.1	214.0	187.3	154.6
82.5°	160.6	136.8	142.6	118.9	104.0
85°	89.1	77.3	80.3	62.4	47.5
87.5°	41.6	35.7	35.7	23.8	14.8
90°	32.1	20.5	19.0	13.2	7.3
92.5°	198.2	141.1	128.7	79.0	29.2
95°	487.8	274.7	252.0	161.1	70.2
97.5°	657.1	301.8	281.8	201.5	121.3
100°	718.7	324.4	306.3	233.5	160.7
102.5°	746.9	347.0	330.1	262.2	194.4
105°	767.9	380.7	366.3	308.8	251.4
107.5°	771.9	430.4	416.9	363.4	309.8
110°	766.0	458.1	446.0	397.6	349.2



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CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	766.2	491.8	480.3	434.1	387.9
115°	773.3	542.2	531.5	489.0	446.4
117.5°	787.7	591.1	581.4	542.8	504.1
120°	799.3	619.6	610.5	574.1	537.8
122.5°	816.1	653.2	644.1	607.3	570.6
125°	838.8	696.3	688.0	654.5	621.0
127.5°	861.4	737.9	729.5	695.7	662.0
130°	877.9	765.7	756.6	720.2	683.8
132.5°	891.4	788.4	779.2	742.9	706.5
135°	906.1	814.7	806.5	773.3	740.1
137.5°	927.9	848.3	840.1	807.2	774.5
140°	941.3	870.9	863.4	833.2	802.9
142.5°	952.5	887.7	880.8	852.8	824.9
145°	967.2	913.3	907.3	882.9	858.5
147.5°	988.6	945.5	939.5	915.8	892.1
150°	999.8	962.3	956.9	935.5	914.0
152.5°	1007.1	973.2	969.2	953.0	936.7
155°	1023.1	997.3	994.3	982.3	970.3
157.5°	1039.2	1021.5	1018.6	1006.8	995.1
160°	1046.6	1032.4	1030.2	1021.1	1012.0
162.5°	1054.3	1044.1	1042.5	1035.6	1028.8
165°	1065.6	1060.9	1059.3	1053.2	1047.0
167.5°	1074.2	1070.4	1069.7	1066.7	1063.8
170°	1081.6	1081.4	1080.7	1077.7	1074.8
172.5°	1082.1	1082.1	1081.9	1081.3	1080.7
175°	1086.5	1088.7	1088.7	1088.7	1088.7
177.5°	1087.0	1088.7	1088.7	1088.7	1088.7
180°	1088.7	1088.7	1088.7	1088.7	1088.7



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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	14.44	15.34	15.37	16.28	17.50	17.28	18.18	18.21	19.12	20.34
	3H	14.92	15.72	15.86	16.68	17.92	18.63	19.43	19.57	20.39	21.63
	4H	15.12	15.87	16.07	16.83	18.08	19.08	19.84	20.03	20.79	22.05
	6H	15.24	15.93	16.20	16.90	18.16	19.37	20.07	20.33	21.03	22.29
	8H	15.24	15.90	16.21	16.88	18.15	19.44	20.11	20.41	21.09	22.35
	12H	15.21	15.84	16.19	16.82	18.10	19.48	20.12	20.46	21.09	22.38
4H	2H	15.48	16.24	16.44	17.20	18.45	17.69	18.45	18.65	19.41	20.66
	3H	16.51	17.14	17.48	18.13	19.40	19.20	19.84	20.17	20.82	22.09
	4H	16.79	17.37	17.77	18.35	19.64	19.74	20.31	20.71	21.29	22.58
	6H	16.92	17.41	17.91	18.42	19.71	20.11	20.60	21.09	21.61	22.90
	8H	16.92	17.39	17.91	18.38	19.69	20.21	20.68	21.20	21.68	22.98
	12H	16.89	17.31	17.90	18.32	19.63	20.27	20.69	21.28	21.71	23.02
8H	4H	17.25	17.71	18.24	18.71	20.01	19.86	20.33	20.85	21.33	22.63
	6H	17.51	17.89	18.53	18.93	20.23	20.30	20.69	21.32	21.73	23.03
	8H	17.55	17.89	18.58	18.92	20.24	20.46	20.79	21.48	21.82	23.14
	12H	17.54	17.84	18.57	18.86	20.22	20.56	20.86	21.59	21.88	23.24
12H	4H	17.25	17.67	18.26	18.69	20.00	19.83	20.25	20.84	21.26	22.57
	6H	17.57	17.91	18.60	18.94	20.26	20.30	20.64	21.32	21.67	22.99
	8H	17.64	17.94	18.67	18.96	20.32	20.46	20.76	21.49	21.78	23.15