

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: P935244

Luminaire Tested: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935244
REPORT IS A COMBINATION OF REPORTS P933748 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

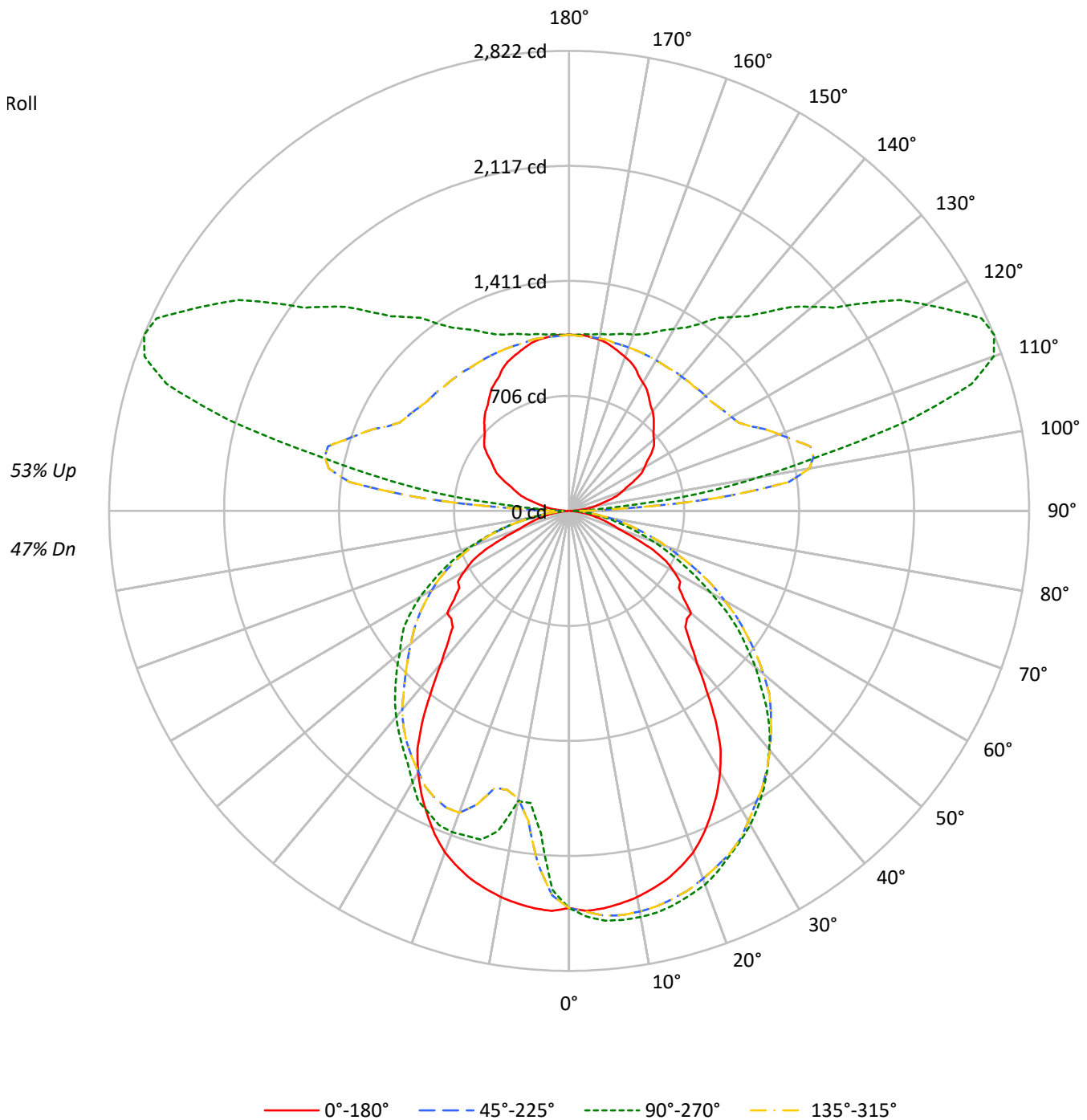
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13326.4 lumens
Efficiency: N/A
Efficacy: 114.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 116
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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CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-3000K

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	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	47	47	47	47
1	97	93	89	86	89	86	82	79	72	70	67	59	58	56	48	47	46	40	40	40	40
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	42	40	38	34	34	34	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	28	28	28	28
4	74	63	55	49	68	58	51	46	49	44	40	41	37	34	33	30	28	24	24	24	24
5	68	56	48	42	62	52	45	39	44	39	34	37	33	29	30	27	24	21	21	21	21
6	62	50	42	36	57	47	39	34	40	34	30	33	29	26	27	24	21	19	19	19	19
7	58	45	37	32	53	42	35	30	36	30	26	30	26	23	25	21	19	16	16	16	16
8	53	41	33	28	49	38	31	27	33	27	23	28	23	20	23	19	17	15	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13	13	13	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12	12	12	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11301	11301	11301	11301
5°	11385	11407	11385	8970
10°	11309	11237	11309	8034
15°	11186	10993	11186	9180
20°	10952	10705	10952	9199
25°	10473	10284	10473	9004
30°	9854	9935	9854	8576
35°	8785	9493	8785	8105
40°	7320	8973	7320	7750
45°	6541	8365	6541	7341
50°	6948	7639	6948	6932
55°	6538	6857	6538	6694
60°	6739	5823	6739	6131
65°	6109	4814	6109	5381
70°	4231	3837	4231	4510
75°	3710	2836	3710	3396
80°	2989	1875	2989	2042
85°	1719	993	1719	844

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10024 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.9	1.6
10°-20°	624.2	4.7
20°-30°	965.0	7.2
30°-40°	1152.0	8.6
40°-50°	1158.7	8.7
50°-60°	1008.2	7.6
60°-70°	714.9	5.4
70°-80°	378.2	2.8
80°-90°	98.3	0.7
90°-100°	526.9	4.0
100°-110°	1385.2	10.4
110°-120°	1436.3	10.8
120°-130°	1152.1	8.6
130°-140°	904.0	6.8
140°-150°	693.8	5.2
150°-160°	499.7	3.7
160°-170°	305.7	2.3
170°-180°	103.3	0.8
0°-30°	1809.1	13.6
0°-40°	2961.1	22.2
0°-60°	5128.0	38.5
0°-90°	6319.4	47.4
90°-120°	3348.4	25.1
90°-150°	6098.3	45.8
90°-180°	7007.0	52.6
0°-180°	13326.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2436	2436	2436	2436	2436	
5°	2447	2523	2447	1984	2447	232
15°	2337	2500	2337	2088	2337	657
25°	2058	2332	2058	2042	2058	945
35°	1565	2081	1565	1777	1565	968
45°	1009	1714	1009	1505	1009	809
55°	823	1265	823	1235	823	756
65°	571	763	571	853	571	546
75°	217	362	217	433	217	228
85°	37	92	37	78	37	50
90°	7	28	7	28	7	8
95°	70	318	70	318	70	77
105°	250	2169	250	2169	250	265
115°	443	2793	443	2793	443	438
125°	617	2224	617	2224	617	547
135°	735	1726	735	1726	735	569
145°	852	1400	852	1400	852	534
155°	963	1206	963	1206	963	443
165°	1040	1123	1040	1123	1040	293
175°	1081	1088	1081	1088	1081	103
180°	1081	1081	1081	1081	1081	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7
2.5°	2456.4	2456.4	2470.2	2474.8	2474.8	2467.9	2461.1	2467.9	2488.7	2495.6	2493.3
5°	2447.2	2465.6	2491.0	2495.6	2500.2	2497.9	2493.3	2497.9	2521.0	2525.6	2527.9
7.5°	2428.8	2463.3	2495.6	2502.5	2509.5	2502.5	2500.2	2504.8	2527.9	2532.5	2532.5
10°	2405.7	2454.1	2491.0	2495.6	2502.5	2495.6	2495.6	2504.8	2527.9	2532.5	2534.7
12.5°	2373.4	2440.3	2474.8	2479.5	2488.7	2486.3	2484.1	2493.3	2516.3	2521.0	2521.0
15°	2336.6	2414.9	2447.2	2451.8	2467.9	2463.3	2463.3	2472.6	2497.9	2504.8	2502.5
17.5°	2285.9	2382.7	2419.5	2426.4	2437.9	2435.7	2437.9	2447.2	2470.2	2474.8	2477.2
20°	2228.3	2338.9	2382.7	2389.5	2401.1	2401.1	2401.1	2412.7	2435.7	2444.9	2444.9
22.5°	2149.9	2292.8	2338.9	2343.5	2357.3	2357.3	2361.9	2378.0	2398.8	2401.1	2401.1
25°	2057.7	2242.1	2281.2	2295.1	2309.0	2315.9	2322.7	2332.0	2338.9	2336.6	2338.9
27.5°	1960.9	2177.6	2228.3	2237.5	2256.0	2262.8	2272.1	2274.4	2276.7	2283.6	2279.0
30°	1852.6	2087.7	2163.8	2173.0	2202.9	2207.6	2198.3	2202.9	2214.4	2219.1	2223.7
32.5°	1730.6	1954.1	2097.0	2117.6	2145.3	2131.5	2129.2	2136.1	2154.5	2154.5	2159.2
35°	1564.6	1850.4	2034.7	2053.1	2073.9	2057.7	2067.0	2069.2	2080.8	2087.7	2085.4
37.5°	1382.6	1760.5	1970.2	1984.1	2000.2	1979.4	1993.2	2000.2	2009.3	2004.8	2004.8
40°	1221.3	1620.0	1894.1	1903.4	1917.2	1901.0	1914.9	1919.5	1924.1	1919.5	1917.2
42.5°	1101.5	1465.5	1813.5	1825.0	1815.8	1827.3	1832.0	1841.1	1834.2	1825.0	1825.0
45°	1009.3	1424.0	1725.9	1739.8	1725.9	1744.4	1751.3	1751.3	1730.6	1725.9	1723.7
47.5°	979.4	1341.1	1638.4	1638.4	1631.5	1654.5	1666.0	1649.9	1629.1	1622.2	1622.2
50°	977.0	1248.9	1518.6	1509.3	1541.6	1569.2	1557.7	1541.6	1525.4	1500.1	1500.1
52.5°	887.2	1136.0	1364.1	1398.7	1449.4	1465.5	1447.1	1431.0	1403.4	1391.9	1382.6
55°	822.7	1018.5	1223.6	1292.7	1345.7	1366.5	1331.9	1315.8	1274.3	1267.4	1262.8
57.5°	808.8	848.0	1094.6	1182.1	1246.7	1244.3	1223.6	1193.6	1159.1	1152.1	1149.9
60°	742.0	613.0	956.3	1060.0	1126.8	1119.9	1101.5	1073.8	1041.6	1036.9	1032.3
62.5°	672.9	444.7	799.6	917.1	1011.6	1009.3	993.2	951.7	928.6	917.1	907.9
65°	571.4	373.3	569.2	762.8	898.7	903.3	868.7	838.8	813.4	799.6	797.3
67.5°	435.5	304.2	384.8	636.0	790.4	785.8	742.0	728.1	695.9	689.0	675.1
70°	322.6	202.7	267.3	516.2	684.4	672.9	638.3	622.2	592.2	576.1	566.8
72.5°	267.3	163.6	195.9	401.0	576.1	562.3	532.3	513.9	488.5	474.6	465.5
75°	216.6	172.8	149.8	297.3	467.8	458.6	430.9	412.5	391.7	373.3	375.6
77.5°	159.0	161.3	119.8	218.9	371.0	357.2	341.1	318.0	308.8	290.4	290.4
80°	119.8	126.7	89.9	149.8	267.3	267.3	253.5	237.4	221.2	212.0	212.0
82.5°	80.7	80.7	66.8	94.4	182.1	175.1	165.9	161.3	152.1	147.5	147.5
85°	36.9	46.0	41.5	57.6	99.1	103.7	103.7	99.1	96.8	92.2	94.4
87.5°	11.5	20.8	25.4	32.3	50.7	53.0	55.3	55.3	55.3	57.6	57.6
90°	7.2	13.1	18.8	20.3	31.9	47.4	55.1	49.0	36.7	27.6	27.6
92.5°	29.0	78.4	127.8	140.0	196.8	272.6	310.4	272.1	195.4	137.9	132.4
95°	69.7	159.9	250.2	272.8	484.3	766.4	907.5	809.9	614.4	467.9	451.4
97.5°	120.4	200.0	279.7	299.6	652.5	1122.8	1358.0	1296.3	1172.8	1080.2	1048.6
100°	159.6	231.8	304.1	322.1	713.6	1235.6	1496.6	1501.1	1510.1	1516.9	1479.2
102.5°	193.0	260.3	327.7	344.5	741.6	1271.0	1535.7	1614.4	1771.8	1889.8	1857.5
105°	249.6	306.6	363.6	377.9	762.4	1275.1	1531.4	1707.7	2060.4	2325.0	2307.7
107.5°	307.6	360.8	414.0	427.3	766.3	1218.3	1444.3	1690.4	2182.4	2551.3	2555.5
110°	346.7	394.8	442.8	454.9	760.5	1168.0	1371.8	1646.8	2196.8	2609.4	2627.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	385.2	431.0	476.8	488.3	760.8	1124.1	1305.8	1587.3	2150.2	2572.4	2600.1
115°	443.3	485.5	527.8	538.3	767.7	1073.7	1226.7	1497.9	2040.2	2446.9	2485.4
117.5°	500.5	538.9	577.3	586.9	782.0	1042.2	1172.3	1417.0	1906.4	2273.5	2316.1
120°	533.9	570.0	606.2	615.1	793.6	1031.6	1150.6	1374.2	1821.3	2156.7	2198.1
122.5°	566.6	603.0	639.5	648.5	810.3	1025.9	1133.8	1335.2	1737.9	2039.9	2080.8
125°	616.6	649.8	683.1	691.3	832.8	1021.4	1115.7	1286.8	1628.9	1885.4	1923.1
127.5°	657.3	690.7	724.3	732.7	855.3	1018.8	1100.5	1247.4	1541.1	1761.3	1793.1
130°	679.0	715.1	751.2	760.2	871.7	1020.4	1094.7	1225.4	1486.9	1683.0	1712.3
132.5°	701.5	737.6	773.7	782.7	885.0	1021.4	1089.6	1206.6	1440.7	1616.2	1642.5
135°	734.9	767.7	800.7	808.9	899.6	1020.5	1080.9	1178.9	1374.9	1522.0	1544.6
137.5°	769.0	801.5	834.1	842.2	921.3	1026.7	1079.4	1162.2	1328.0	1452.3	1470.9
140°	797.2	827.2	857.2	864.7	934.6	1027.8	1074.3	1145.9	1289.1	1396.5	1413.8
142.5°	819.0	846.7	874.5	881.4	945.7	1031.4	1074.3	1137.2	1263.0	1357.3	1372.2
145°	852.4	876.6	900.8	906.8	960.3	1031.5	1067.1	1118.6	1221.4	1298.5	1309.8
147.5°	885.7	909.3	932.8	938.7	981.6	1038.6	1067.1	1107.6	1188.5	1249.2	1258.5
150°	907.5	928.8	950.1	955.4	992.6	1042.3	1067.1	1101.3	1169.7	1220.9	1228.5
152.5°	930.0	946.2	962.3	966.3	999.9	1044.7	1067.1	1096.3	1154.7	1198.4	1204.2
155°	963.3	975.3	987.2	990.2	1015.8	1050.0	1067.1	1090.3	1136.8	1171.6	1175.3
157.5°	988.0	999.6	1011.3	1014.2	1031.8	1055.3	1067.1	1085.2	1121.3	1148.4	1151.0
160°	1004.8	1013.8	1022.8	1025.1	1039.1	1057.8	1067.1	1082.6	1113.6	1136.8	1138.4
162.5°	1021.4	1028.2	1035.0	1036.7	1046.8	1060.3	1067.1	1080.2	1106.3	1125.9	1127.4
165°	1039.6	1045.7	1051.8	1053.3	1058.0	1064.1	1067.1	1076.4	1095.2	1109.2	1110.8
167.5°	1056.2	1059.1	1062.1	1062.7	1066.6	1071.7	1074.3	1080.5	1092.7	1101.9	1102.5
170°	1067.1	1070.0	1073.0	1073.6	1073.9	1074.2	1074.3	1080.5	1092.7	1101.9	1101.9
172.5°	1073.0	1073.6	1074.2	1074.3	1074.3	1074.3	1074.3	1079.2	1088.9	1096.1	1095.6
175°	1080.9	1080.9	1080.9	1080.9	1078.7	1075.8	1074.3	1077.4	1083.5	1088.1	1088.1
177.5°	1080.9	1080.9	1080.9	1080.9	1079.2	1077.0	1075.8	1078.3	1083.1	1086.7	1086.1
180°	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7
2.5°	2497.9	2491.0	2497.9	2493.3	2495.6	2488.7	2467.9	2461.1	2467.9	2474.8	2474.8
5°	2527.9	2523.2	2527.9	2527.9	2525.6	2521.0	2497.9	2493.3	2497.9	2500.2	2495.6
7.5°	2537.1	2530.1	2537.1	2532.5	2532.5	2527.9	2504.8	2500.2	2502.5	2509.5	2502.5
10°	2537.1	2530.1	2537.1	2534.7	2532.5	2527.9	2504.8	2495.6	2495.6	2502.5	2495.6
12.5°	2525.6	2521.0	2525.6	2521.0	2521.0	2516.3	2493.3	2484.1	2486.3	2488.7	2479.5
15°	2507.1	2500.2	2507.1	2502.5	2504.8	2497.9	2472.6	2463.3	2463.3	2467.9	2451.8
17.5°	2479.5	2470.2	2479.5	2477.2	2474.8	2470.2	2447.2	2437.9	2435.7	2437.9	2426.4
20°	2447.2	2440.3	2447.2	2444.9	2444.9	2435.7	2412.7	2401.1	2401.1	2401.1	2389.5
22.5°	2396.5	2389.5	2396.5	2401.1	2401.1	2398.8	2378.0	2361.9	2357.3	2357.3	2343.5
25°	2338.9	2332.0	2338.9	2338.9	2336.6	2338.9	2332.0	2322.7	2315.9	2309.0	2295.1
27.5°	2283.6	2279.0	2283.6	2279.0	2283.6	2276.7	2274.4	2272.1	2262.8	2256.0	2237.5
30°	2228.3	2223.7	2228.3	2223.7	2219.1	2214.4	2202.9	2198.3	2207.6	2202.9	2173.0
32.5°	2159.2	2154.5	2159.2	2159.2	2154.5	2154.5	2136.1	2129.2	2131.5	2145.3	2117.6
35°	2087.7	2080.8	2087.7	2085.4	2087.7	2080.8	2069.2	2067.0	2057.7	2073.9	2053.1
37.5°	2004.8	1997.8	2004.8	2004.8	2004.8	2009.3	2000.2	1993.2	1979.4	2000.2	1984.1
40°	1919.5	1910.3	1919.5	1917.2	1919.5	1924.1	1919.5	1914.9	1901.0	1917.2	1903.4
42.5°	1822.7	1820.5	1822.7	1825.0	1825.0	1834.2	1841.1	1832.0	1827.3	1815.8	1825.0
45°	1719.0	1714.4	1719.0	1723.7	1725.9	1730.6	1751.3	1751.3	1744.4	1725.9	1739.8
47.5°	1608.4	1596.9	1608.4	1622.2	1622.2	1629.1	1649.9	1666.0	1654.5	1631.5	1638.4
50°	1490.9	1493.2	1490.9	1500.1	1500.1	1525.4	1541.6	1557.7	1569.2	1541.6	1509.3
52.5°	1375.7	1373.4	1375.7	1382.6	1391.9	1403.4	1431.0	1447.1	1465.5	1449.4	1398.7
55°	1260.4	1265.1	1260.4	1262.8	1267.4	1274.3	1315.8	1331.9	1366.5	1345.7	1292.7
57.5°	1145.2	1138.4	1145.2	1149.9	1152.1	1159.1	1193.6	1223.6	1244.3	1246.7	1182.1
60°	1011.6	1002.4	1011.6	1032.3	1036.9	1041.6	1073.8	1101.5	1119.9	1126.8	1060.0
62.5°	894.1	878.0	894.1	907.9	917.1	928.6	951.7	993.2	1009.3	1011.6	917.1
65°	769.7	762.8	769.7	797.3	799.6	813.4	838.8	868.7	903.3	898.7	762.8
67.5°	656.7	656.7	656.7	675.1	689.0	695.9	728.1	742.0	785.8	790.4	636.0
70°	553.0	550.8	553.0	566.8	576.1	592.2	622.2	638.3	672.9	684.4	516.2
72.5°	454.0	451.6	454.0	465.5	474.6	488.5	513.9	532.3	562.3	576.1	401.0
75°	366.4	361.8	366.4	375.6	373.3	391.7	412.5	430.9	458.6	467.8	297.3
77.5°	281.1	281.1	281.1	290.4	290.4	308.8	318.0	341.1	357.2	371.0	218.9
80°	209.7	207.4	209.7	212.0	212.0	221.2	237.4	253.5	267.3	267.3	149.8
82.5°	147.5	142.8	147.5	147.5	147.5	152.1	161.3	165.9	175.1	182.1	94.4
85°	92.2	92.2	92.2	94.4	92.2	96.8	99.1	103.7	103.7	99.1	57.6
87.5°	59.9	57.6	59.9	57.6	57.6	55.3	55.3	55.3	53.0	50.7	32.3
90°	27.6	27.6	27.6	27.6	27.6	36.7	49.0	55.1	47.4	31.9	20.3
92.5°	110.5	88.5	110.5	132.4	137.9	195.4	272.1	310.4	272.6	196.8	140.0
95°	384.9	318.5	384.9	451.4	467.9	614.4	809.9	907.5	766.4	484.3	272.8
97.5°	922.2	795.8	922.2	1048.6	1080.2	1172.8	1296.3	1358.0	1122.8	652.5	299.6
100°	1328.7	1178.1	1328.7	1479.2	1516.9	1510.1	1501.1	1496.6	1235.6	713.6	322.1
102.5°	1728.5	1599.6	1728.5	1857.5	1889.8	1771.8	1614.4	1535.7	1271.0	741.6	344.5
105°	2238.3	2169.0	2238.3	2307.7	2325.0	2060.4	1707.7	1531.4	1275.1	762.4	377.9
107.5°	2572.3	2589.1	2572.3	2555.5	2551.3	2182.4	1690.4	1444.3	1218.3	766.3	427.3
110°	2699.6	2771.8	2699.6	2627.4	2609.4	2196.8	1646.8	1371.8	1168.0	760.5	454.9



TEST NUMBER: P935244

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2711.0	2821.9	2711.0	2600.1	2572.4	2150.2	1587.3	1305.8	1124.1	760.8	488.3
115°	2639.1	2793.0	2639.1	2485.4	2446.9	2040.2	1497.9	1226.7	1073.7	767.7	538.3
117.5°	2486.7	2657.3	2486.7	2316.1	2273.5	1906.4	1417.0	1172.3	1042.2	782.0	586.9
120°	2363.9	2529.6	2363.9	2198.1	2156.7	1821.3	1374.2	1150.6	1031.6	793.6	615.1
122.5°	2244.3	2407.7	2244.3	2080.8	2039.9	1737.9	1335.2	1133.8	1025.9	810.3	648.5
125°	2073.6	2224.2	2073.6	1923.1	1885.4	1628.9	1286.8	1115.7	1021.4	832.8	691.3
127.5°	1920.1	2047.2	1920.1	1793.1	1761.3	1541.1	1247.4	1100.5	1018.8	855.3	732.7
130°	1829.7	1947.1	1829.7	1712.3	1683.0	1486.9	1225.4	1094.7	1020.4	871.7	760.2
132.5°	1747.6	1852.7	1747.6	1642.5	1616.2	1440.7	1206.6	1089.6	1021.4	885.0	782.7
135°	1635.2	1725.8	1635.2	1544.6	1522.0	1374.9	1178.9	1080.9	1020.5	899.6	808.9
137.5°	1545.0	1619.2	1545.0	1470.9	1452.3	1328.0	1162.2	1079.4	1026.7	921.3	842.2
140°	1483.1	1552.4	1483.1	1413.8	1396.5	1289.1	1145.9	1074.3	1027.8	934.6	864.7
142.5°	1431.9	1491.5	1431.9	1372.2	1357.3	1263.0	1137.2	1074.3	1031.4	945.7	881.4
145°	1355.0	1400.1	1355.0	1309.8	1298.5	1221.4	1118.6	1067.1	1031.5	960.3	906.8
147.5°	1295.9	1333.3	1295.9	1258.5	1249.2	1188.5	1107.6	1067.1	1038.6	981.6	938.7
150°	1258.8	1289.1	1258.8	1228.5	1220.9	1169.7	1101.3	1067.1	1042.3	992.6	955.4
152.5°	1227.0	1249.9	1227.0	1204.2	1198.4	1154.7	1096.3	1067.1	1044.7	999.9	966.3
155°	1190.5	1205.7	1190.5	1175.3	1171.6	1136.8	1090.3	1067.1	1050.0	1015.8	990.2
157.5°	1161.6	1172.3	1161.6	1151.0	1148.4	1121.3	1085.2	1067.1	1055.3	1031.8	1014.2
160°	1144.5	1150.6	1144.5	1138.4	1136.8	1113.6	1082.6	1067.1	1057.8	1039.1	1025.1
162.5°	1133.1	1139.0	1133.1	1127.4	1125.9	1106.3	1080.2	1067.1	1060.3	1046.8	1036.7
165°	1116.9	1123.0	1116.9	1110.8	1109.2	1095.2	1076.4	1067.1	1064.1	1058.0	1053.3
167.5°	1105.1	1107.7	1105.1	1102.5	1101.9	1092.7	1080.5	1074.3	1071.7	1066.6	1062.7
170°	1101.9	1101.9	1101.9	1101.9	1101.9	1092.7	1080.5	1074.3	1074.2	1073.9	1073.6
172.5°	1093.4	1091.1	1093.4	1095.6	1096.1	1088.9	1079.2	1074.3	1074.3	1074.3	1074.3
175°	1088.1	1088.1	1088.1	1088.1	1088.1	1083.5	1077.4	1074.3	1075.8	1078.7	1080.9
177.5°	1083.5	1080.9	1083.5	1086.1	1086.7	1083.1	1078.3	1075.8	1077.0	1079.2	1080.9
180°	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9



TEST NUMBER: P935244

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7
2.5°	2470.2	2456.4	2456.4	2433.4	2424.2	2417.3	2405.7	2371.1	2361.9	2352.7	2366.5
5°	2491.0	2465.6	2447.2	2405.7	2371.1	2357.3	2313.5	2230.6	2175.3	2133.8	2110.8
7.5°	2495.6	2463.3	2428.8	2364.3	2281.2	2244.4	2110.8	1958.7	1917.2	1880.4	1857.3
10°	2491.0	2454.1	2405.7	2309.0	2113.0	2048.6	1914.9	1815.8	1790.5	1783.6	1790.5
12.5°	2474.8	2440.3	2373.4	2212.2	1937.9	1894.1	1815.8	1758.2	1753.6	1765.1	1827.3
15°	2447.2	2414.9	2336.6	2083.1	1841.1	1808.9	1753.6	1732.8	1758.2	1838.9	2025.5
17.5°	2419.5	2382.7	2285.9	1956.4	1767.4	1744.4	1705.2	1746.7	1889.5	1997.8	2060.1
20°	2382.7	2338.9	2228.3	1864.2	1714.4	1693.7	1675.3	1861.9	1970.2	2009.3	2044.0
22.5°	2338.9	2292.8	2149.9	1799.7	1659.1	1643.0	1654.5	1926.4	1970.2	1997.8	2027.8
25°	2281.2	2242.1	2057.7	1749.0	1615.4	1596.9	1640.6	1919.5	1944.8	1951.8	2011.7
27.5°	2228.3	2177.6	1960.9	1702.9	1562.3	1555.4	1652.2	1889.5	1908.0	1914.9	1979.4
30°	2163.8	2087.7	1852.6	1654.5	1507.0	1504.7	1654.5	1852.6	1848.1	1866.5	1931.0
32.5°	2097.0	1954.1	1730.6	1594.6	1454.0	1451.8	1638.4	1797.3	1792.7	1818.1	1866.5
35°	2034.7	1850.4	1564.6	1525.4	1387.2	1389.5	1599.2	1732.8	1735.2	1758.2	1788.2
37.5°	1970.2	1760.5	1382.6	1449.4	1322.7	1322.7	1546.2	1672.9	1668.4	1675.3	1716.7
40°	1894.1	1620.0	1221.3	1350.3	1262.8	1255.8	1481.7	1608.4	1592.2	1590.0	1647.6
42.5°	1813.5	1465.5	1101.5	1219.0	1193.6	1184.4	1403.4	1530.1	1500.1	1507.0	1580.7
45°	1725.9	1424.0	1009.3	1030.0	1122.2	1115.3	1318.1	1440.2	1419.5	1437.9	1513.9
47.5°	1638.4	1341.1	979.4	854.9	1046.2	1043.8	1223.6	1352.6	1341.1	1359.6	1440.2
50°	1518.6	1248.9	977.0	732.8	960.9	970.1	1110.7	1267.4	1267.4	1283.5	1368.7
52.5°	1364.1	1136.0	887.2	663.6	861.8	889.5	1011.6	1193.6	1198.3	1214.4	1290.4
55°	1223.6	1018.5	822.7	610.7	744.3	804.2	914.9	1117.6	1126.8	1143.0	1212.0
57.5°	1094.6	848.0	808.8	548.4	636.0	693.6	829.6	1043.8	1048.4	1062.3	1129.1
60°	956.3	613.0	742.0	481.6	541.5	585.3	751.2	956.3	972.4	981.6	1039.3
62.5°	799.6	444.7	672.9	435.5	495.4	504.6	686.7	873.3	894.1	901.0	935.5
65°	569.2	373.3	571.4	396.3	447.0	449.4	617.6	788.1	806.5	818.1	843.3
67.5°	384.8	304.2	435.5	359.5	410.2	412.5	550.8	689.0	714.4	723.5	739.7
70°	267.3	202.7	322.6	320.3	368.7	373.3	479.3	599.1	622.2	629.1	638.3
72.5°	195.9	163.6	267.3	288.0	324.9	329.5	405.6	497.8	520.8	527.7	532.3
75°	149.8	172.8	216.6	251.1	276.5	278.8	331.8	405.6	421.7	426.3	428.6
77.5°	119.8	161.3	159.0	202.7	225.9	221.2	260.4	313.4	327.2	327.2	327.2
80°	89.9	126.7	119.8	145.2	165.9	161.3	186.6	223.5	228.1	232.7	230.4
82.5°	66.8	80.7	80.7	92.2	110.6	106.0	124.4	145.2	145.2	145.2	149.8
85°	41.5	46.0	36.9	48.4	62.2	59.9	69.2	78.3	80.7	80.7	76.0
87.5°	25.4	20.8	11.5	18.4	27.6	27.6	32.3	34.5	32.3	32.3	32.3
90°	18.8	13.1	7.2	13.1	18.8	20.3	31.9	47.4	55.1	49.0	36.7
92.5°	127.8	78.4	29.0	78.4	127.8	140.0	196.8	272.6	310.4	272.1	195.4
95°	250.2	159.9	69.7	159.9	250.2	272.8	484.3	766.4	907.5	809.9	614.4
97.5°	279.7	200.0	120.4	200.0	279.7	299.6	652.5	1122.8	1358.0	1296.3	1172.8
100°	304.1	231.8	159.6	231.8	304.1	322.1	713.6	1235.6	1496.6	1501.1	1510.1
102.5°	327.7	260.3	193.0	260.3	327.7	344.5	741.6	1271.0	1535.7	1614.4	1771.8
105°	363.6	306.6	249.6	306.6	363.6	377.9	762.4	1275.1	1531.4	1707.7	2060.4
107.5°	414.0	360.8	307.6	360.8	414.0	427.3	766.3	1218.3	1444.3	1690.4	2182.4
110°	442.8	394.8	346.7	394.8	442.8	454.9	760.5	1168.0	1371.8	1646.8	2196.8



TEST NUMBER: P935244

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	476.8	431.0	385.2	431.0	476.8	488.3	760.8	1124.1	1305.8	1587.3	2150.2
115°	527.8	485.5	443.3	485.5	527.8	538.3	767.7	1073.7	1226.7	1497.9	2040.2
117.5°	577.3	538.9	500.5	538.9	577.3	586.9	782.0	1042.2	1172.3	1417.0	1906.4
120°	606.2	570.0	533.9	570.0	606.2	615.1	793.6	1031.6	1150.6	1374.2	1821.3
122.5°	639.5	603.0	566.6	603.0	639.5	648.5	810.3	1025.9	1133.8	1335.2	1737.9
125°	683.1	649.8	616.6	649.8	683.1	691.3	832.8	1021.4	1115.7	1286.8	1628.9
127.5°	724.3	690.7	657.3	690.7	724.3	732.7	855.3	1018.8	1100.5	1247.4	1541.1
130°	751.2	715.1	679.0	715.1	751.2	760.2	871.7	1020.4	1094.7	1225.4	1486.9
132.5°	773.7	737.6	701.5	737.6	773.7	782.7	885.0	1021.4	1089.6	1206.6	1440.7
135°	800.7	767.7	734.9	767.7	800.7	808.9	899.6	1020.5	1080.9	1178.9	1374.9
137.5°	834.1	801.5	769.0	801.5	834.1	842.2	921.3	1026.7	1079.4	1162.2	1328.0
140°	857.2	827.2	797.2	827.2	857.2	864.7	934.6	1027.8	1074.3	1145.9	1289.1
142.5°	874.5	846.7	819.0	846.7	874.5	881.4	945.7	1031.4	1074.3	1137.2	1263.0
145°	900.8	876.6	852.4	876.6	900.8	906.8	960.3	1031.5	1067.1	1118.6	1221.4
147.5°	932.8	909.3	885.7	909.3	932.8	938.7	981.6	1038.6	1067.1	1107.6	1188.5
150°	950.1	928.8	907.5	928.8	950.1	955.4	992.6	1042.3	1067.1	1101.3	1169.7
152.5°	962.3	946.2	930.0	946.2	962.3	966.3	999.9	1044.7	1067.1	1096.3	1154.7
155°	987.2	975.3	963.3	975.3	987.2	990.2	1015.8	1050.0	1067.1	1090.3	1136.8
157.5°	1011.3	999.6	988.0	999.6	1011.3	1014.2	1031.8	1055.3	1067.1	1085.2	1121.3
160°	1022.8	1013.8	1004.8	1013.8	1022.8	1025.1	1039.1	1057.8	1067.1	1082.6	1113.6
162.5°	1035.0	1028.2	1021.4	1028.2	1035.0	1036.7	1046.8	1060.3	1067.1	1080.2	1106.3
165°	1051.8	1045.7	1039.6	1045.7	1051.8	1053.3	1058.0	1064.1	1067.1	1076.4	1095.2
167.5°	1062.1	1059.1	1056.2	1059.1	1062.1	1062.7	1066.6	1071.7	1074.3	1080.5	1092.7
170°	1073.0	1070.0	1067.1	1070.0	1073.0	1073.6	1073.9	1074.2	1074.3	1080.5	1092.7
172.5°	1074.2	1073.6	1073.0	1073.6	1074.2	1074.3	1074.3	1074.3	1074.3	1079.2	1088.9
175°	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1078.7	1075.8	1074.3	1077.4	1083.5
177.5°	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1079.2	1077.0	1075.8	1078.3	1083.1
180°	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9



TEST NUMBER: P935244

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7
2.5°	2350.4	2343.5	2352.7	2327.4	2352.7	2343.5	2350.4	2366.5	2352.7	2361.9	2371.1
5°	2062.4	2050.8	2014.0	1984.1	2014.0	2050.8	2062.4	2110.8	2133.8	2175.3	2230.6
7.5°	1843.5	1834.2	1825.0	1806.6	1825.0	1834.2	1843.5	1857.3	1880.4	1917.2	1958.7
10°	1795.1	1797.3	1811.2	1808.9	1811.2	1797.3	1795.1	1790.5	1783.6	1790.5	1815.8
12.5°	1919.5	1940.3	2016.3	2011.7	2016.3	1940.3	1919.5	1827.3	1765.1	1753.6	1758.2
15°	2062.4	2069.2	2085.4	2087.7	2085.4	2069.2	2062.4	2025.5	1838.9	1758.2	1732.8
17.5°	2076.2	2078.5	2090.0	2090.0	2090.0	2078.5	2076.2	2060.1	1997.8	1889.5	1746.7
20°	2064.7	2069.2	2092.4	2097.0	2092.4	2069.2	2064.7	2044.0	2009.3	1970.2	1861.9
22.5°	2060.1	2069.2	2087.7	2085.4	2087.7	2069.2	2060.1	2027.8	1997.8	1970.2	1926.4
25°	2037.0	2037.0	2039.3	2041.6	2039.3	2037.0	2037.0	2011.7	1951.8	1944.8	1919.5
27.5°	1988.7	1993.2	2007.1	2004.8	2007.1	1993.2	1988.7	1979.4	1914.9	1908.0	1889.5
30°	1944.8	1940.3	1928.7	1919.5	1928.7	1940.3	1944.8	1931.0	1866.5	1848.1	1852.6
32.5°	1871.1	1859.6	1848.1	1841.1	1848.1	1859.6	1871.1	1866.5	1818.1	1792.7	1797.3
35°	1783.6	1785.8	1783.6	1776.6	1783.6	1785.8	1783.6	1788.2	1758.2	1735.2	1732.8
37.5°	1721.3	1725.9	1723.7	1714.4	1723.7	1725.9	1721.3	1716.7	1675.3	1668.4	1672.9
40°	1656.8	1659.1	1656.8	1649.9	1656.8	1659.1	1656.8	1647.6	1590.0	1592.2	1608.4
42.5°	1594.6	1592.2	1585.4	1580.7	1585.4	1592.2	1594.6	1580.7	1507.0	1500.1	1530.1
45°	1523.2	1525.4	1511.7	1504.7	1511.7	1525.4	1523.2	1513.9	1437.9	1419.5	1440.2
47.5°	1451.8	1451.8	1440.2	1433.3	1440.2	1451.8	1451.8	1440.2	1359.6	1341.1	1352.6
50°	1375.7	1373.4	1357.2	1355.0	1357.2	1373.4	1375.7	1368.7	1283.5	1267.4	1267.4
52.5°	1288.1	1288.1	1290.4	1295.1	1290.4	1288.1	1288.1	1290.4	1214.4	1198.3	1193.6
55°	1212.0	1214.4	1230.5	1235.1	1230.5	1214.4	1212.0	1212.0	1143.0	1126.8	1117.6
57.5°	1133.7	1133.7	1145.2	1145.2	1145.2	1133.7	1133.7	1129.1	1062.3	1048.4	1043.8
60°	1043.8	1048.4	1057.7	1055.4	1057.7	1048.4	1043.8	1039.3	981.6	972.4	956.3
62.5°	949.4	954.0	956.3	951.7	956.3	954.0	949.4	935.5	901.0	894.1	873.3
65°	850.3	854.9	857.2	852.6	857.2	854.9	850.3	843.3	818.1	806.5	788.1
67.5°	748.9	746.6	744.3	753.5	744.3	746.6	748.9	739.7	723.5	714.4	689.0
70°	645.2	645.2	642.9	647.5	642.9	645.2	645.2	638.3	629.1	622.2	599.1
72.5°	534.6	532.3	541.5	534.6	541.5	532.3	534.6	532.3	527.7	520.8	497.8
75°	426.3	430.9	426.3	433.2	426.3	430.9	426.3	428.6	426.3	421.7	405.6
77.5°	324.9	329.5	324.9	324.9	324.9	329.5	324.9	327.2	327.2	327.2	313.4
80°	230.4	228.1	228.1	225.9	228.1	228.1	230.4	230.4	232.7	228.1	223.5
82.5°	147.5	145.2	145.2	149.8	145.2	145.2	147.5	149.8	145.2	145.2	145.2
85°	80.7	82.9	78.3	78.3	78.3	82.9	80.7	76.0	80.7	80.7	78.3
87.5°	30.0	27.6	27.6	27.6	27.6	27.6	30.0	32.3	32.3	32.3	34.5
90°	27.6	27.6	27.6	27.6	27.6	27.6	27.6	36.7	49.0	55.1	47.4
92.5°	137.9	132.4	110.5	88.5	110.5	132.4	137.9	195.4	272.1	310.4	272.6
95°	467.9	451.4	384.9	318.5	384.9	451.4	467.9	614.4	809.9	907.5	766.4
97.5°	1080.2	1048.6	922.2	795.8	922.2	1048.6	1080.2	1172.8	1296.3	1358.0	1122.8
100°	1516.9	1479.2	1328.7	1178.1	1328.7	1479.2	1516.9	1510.1	1501.1	1496.6	1235.6
102.5°	1889.8	1857.5	1728.5	1599.6	1728.5	1857.5	1889.8	1771.8	1614.4	1535.7	1271.0
105°	2325.0	2307.7	2238.3	2169.0	2238.3	2307.7	2325.0	2060.4	1707.7	1531.4	1275.1
107.5°	2551.3	2555.5	2572.3	2589.1	2572.3	2555.5	2551.3	2182.4	1690.4	1444.3	1218.3
110°	2609.4	2627.4	2699.6	2771.8	2699.6	2627.4	2609.4	2196.8	1646.8	1371.8	1168.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2572.4	2600.1	2711.0	2821.9	2711.0	2600.1	2572.4	2150.2	1587.3	1305.8	1124.1
115°	2446.9	2485.4	2639.1	2793.0	2639.1	2485.4	2446.9	2040.2	1497.9	1226.7	1073.7
117.5°	2273.5	2316.1	2486.7	2657.3	2486.7	2316.1	2273.5	1906.4	1417.0	1172.3	1042.2
120°	2156.7	2198.1	2363.9	2529.6	2363.9	2198.1	2156.7	1821.3	1374.2	1150.6	1031.6
122.5°	2039.9	2080.8	2244.3	2407.7	2244.3	2080.8	2039.9	1737.9	1335.2	1133.8	1025.9
125°	1885.4	1923.1	2073.6	2224.2	2073.6	1923.1	1885.4	1628.9	1286.8	1115.7	1021.4
127.5°	1761.3	1793.1	1920.1	2047.2	1920.1	1793.1	1761.3	1541.1	1247.4	1100.5	1018.8
130°	1683.0	1712.3	1829.7	1947.1	1829.7	1712.3	1683.0	1486.9	1225.4	1094.7	1020.4
132.5°	1616.2	1642.5	1747.6	1852.7	1747.6	1642.5	1616.2	1440.7	1206.6	1089.6	1021.4
135°	1522.0	1544.6	1635.2	1725.8	1635.2	1544.6	1522.0	1374.9	1178.9	1080.9	1020.5
137.5°	1452.3	1470.9	1545.0	1619.2	1545.0	1470.9	1452.3	1328.0	1162.2	1079.4	1026.7
140°	1396.5	1413.8	1483.1	1552.4	1483.1	1413.8	1396.5	1289.1	1145.9	1074.3	1027.8
142.5°	1357.3	1372.2	1431.9	1491.5	1431.9	1372.2	1357.3	1263.0	1137.2	1074.3	1031.4
145°	1298.5	1309.8	1355.0	1400.1	1355.0	1309.8	1298.5	1221.4	1118.6	1067.1	1031.5
147.5°	1249.2	1258.5	1295.9	1333.3	1295.9	1258.5	1249.2	1188.5	1107.6	1067.1	1038.6
150°	1220.9	1228.5	1258.8	1289.1	1258.8	1228.5	1220.9	1169.7	1101.3	1067.1	1042.3
152.5°	1198.4	1204.2	1227.0	1249.9	1227.0	1204.2	1198.4	1154.7	1096.3	1067.1	1044.7
155°	1171.6	1175.3	1190.5	1205.7	1190.5	1175.3	1171.6	1136.8	1090.3	1067.1	1050.0
157.5°	1148.4	1151.0	1161.6	1172.3	1161.6	1151.0	1148.4	1121.3	1085.2	1067.1	1055.3
160°	1136.8	1138.4	1144.5	1150.6	1144.5	1138.4	1136.8	1113.6	1082.6	1067.1	1057.8
162.5°	1125.9	1127.4	1133.1	1139.0	1133.1	1127.4	1125.9	1106.3	1080.2	1067.1	1060.3
165°	1109.2	1110.8	1116.9	1123.0	1116.9	1110.8	1109.2	1095.2	1076.4	1067.1	1064.1
167.5°	1101.9	1102.5	1105.1	1107.7	1105.1	1102.5	1101.9	1092.7	1080.5	1074.3	1071.7
170°	1101.9	1101.9	1101.9	1101.9	1101.9	1101.9	1101.9	1092.7	1080.5	1074.3	1074.2
172.5°	1096.1	1095.6	1093.4	1091.1	1093.4	1095.6	1096.1	1088.9	1079.2	1074.3	1074.3
175°	1088.1	1088.1	1088.1	1088.1	1088.1	1088.1	1088.1	1083.5	1077.4	1074.3	1075.8
177.5°	1086.7	1086.1	1083.5	1080.9	1083.5	1086.1	1086.7	1083.1	1078.3	1075.8	1077.0
180°	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2435.7	2435.7	2435.7	2435.7	2435.7
2.5°	2405.7	2417.3	2424.2	2433.4	2456.4
5°	2313.5	2357.3	2371.1	2405.7	2447.2
7.5°	2110.8	2244.4	2281.2	2364.3	2428.8
10°	1914.9	2048.6	2113.0	2309.0	2405.7
12.5°	1815.8	1894.1	1937.9	2212.2	2373.4
15°	1753.6	1808.9	1841.1	2083.1	2336.6
17.5°	1705.2	1744.4	1767.4	1956.4	2285.9
20°	1675.3	1693.7	1714.4	1864.2	2228.3
22.5°	1654.5	1643.0	1659.1	1799.7	2149.9
25°	1640.6	1596.9	1615.4	1749.0	2057.7
27.5°	1652.2	1555.4	1562.3	1702.9	1960.9
30°	1654.5	1504.7	1507.0	1654.5	1852.6
32.5°	1638.4	1451.8	1454.0	1594.6	1730.6
35°	1599.2	1389.5	1387.2	1525.4	1564.6
37.5°	1546.2	1322.7	1322.7	1449.4	1382.6
40°	1481.7	1255.8	1262.8	1350.3	1221.3
42.5°	1403.4	1184.4	1193.6	1219.0	1101.5
45°	1318.1	1115.3	1122.2	1030.0	1009.3
47.5°	1223.6	1043.8	1046.2	854.9	979.4
50°	1110.7	970.1	960.9	732.8	977.0
52.5°	1011.6	889.5	861.8	663.6	887.2
55°	914.9	804.2	744.3	610.7	822.7
57.5°	829.6	693.6	636.0	548.4	808.8
60°	751.2	585.3	541.5	481.6	742.0
62.5°	686.7	504.6	495.4	435.5	672.9
65°	617.6	449.4	447.0	396.3	571.4
67.5°	550.8	412.5	410.2	359.5	435.5
70°	479.3	373.3	368.7	320.3	322.6
72.5°	405.6	329.5	324.9	288.0	267.3
75°	331.8	278.8	276.5	251.1	216.6
77.5°	260.4	221.2	225.9	202.7	159.0
80°	186.6	161.3	165.9	145.2	119.8
82.5°	124.4	106.0	110.6	92.2	80.7
85°	69.2	59.9	62.2	48.4	36.9
87.5°	32.3	27.6	27.6	18.4	11.5
90°	31.9	20.3	18.8	13.1	7.2
92.5°	196.8	140.0	127.8	78.4	29.0
95°	484.3	272.8	250.2	159.9	69.7
97.5°	652.5	299.6	279.7	200.0	120.4
100°	713.6	322.1	304.1	231.8	159.6
102.5°	741.6	344.5	327.7	260.3	193.0
105°	762.4	377.9	363.6	306.6	249.6
107.5°	766.3	427.3	414.0	360.8	307.6
110°	760.5	454.9	442.8	394.8	346.7



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CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	760.8	488.3	476.8	431.0	385.2
115°	767.7	538.3	527.8	485.5	443.3
117.5°	782.0	586.9	577.3	538.9	500.5
120°	793.6	615.1	606.2	570.0	533.9
122.5°	810.3	648.5	639.5	603.0	566.6
125°	832.8	691.3	683.1	649.8	616.6
127.5°	855.3	732.7	724.3	690.7	657.3
130°	871.7	760.2	751.2	715.1	679.0
132.5°	885.0	782.7	773.7	737.6	701.5
135°	899.6	808.9	800.7	767.7	734.9
137.5°	921.3	842.2	834.1	801.5	769.0
140°	934.6	864.7	857.2	827.2	797.2
142.5°	945.7	881.4	874.5	846.7	819.0
145°	960.3	906.8	900.8	876.6	852.4
147.5°	981.6	938.7	932.8	909.3	885.7
150°	992.6	955.4	950.1	928.8	907.5
152.5°	999.9	966.3	962.3	946.2	930.0
155°	1015.8	990.2	987.2	975.3	963.3
157.5°	1031.8	1014.2	1011.3	999.6	988.0
160°	1039.1	1025.1	1022.8	1013.8	1004.8
162.5°	1046.8	1036.7	1035.0	1028.2	1021.4
165°	1058.0	1053.3	1051.8	1045.7	1039.6
167.5°	1066.6	1062.7	1062.1	1059.1	1056.2
170°	1073.9	1073.6	1073.0	1070.0	1067.1
172.5°	1074.3	1074.3	1074.2	1073.6	1073.0
175°	1078.7	1080.9	1080.9	1080.9	1080.9
177.5°	1079.2	1080.9	1080.9	1080.9	1080.9
180°	1080.9	1080.9	1080.9	1080.9	1080.9



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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	12.99	13.83	13.97	14.82	16.13	15.83	16.66	16.81	17.66	18.96
	3H	13.46	14.22	14.45	15.22	16.55	17.17	17.92	18.16	18.93	20.25
	4H	13.65	14.37	14.66	15.37	16.71	17.62	18.33	18.62	19.33	20.67
	6H	13.77	14.43	14.79	15.44	16.79	17.90	18.56	18.92	19.57	20.92
	8H	13.77	14.40	14.79	15.42	16.77	17.98	18.60	19.00	19.63	20.97
	12H	13.74	14.34	14.77	15.36	16.73	18.02	18.61	19.04	19.63	21.00
4H	2H	14.02	14.73	15.03	15.74	17.07	16.23	16.94	17.24	17.95	19.29
	3H	15.05	15.64	16.06	16.67	18.02	17.74	18.33	18.76	19.36	20.72
	4H	15.32	15.86	16.35	16.89	18.26	18.27	18.81	19.29	19.83	21.21
	6H	15.44	15.91	16.48	16.96	18.33	18.63	19.10	19.67	20.15	21.52
	8H	15.45	15.88	16.49	16.93	18.31	18.74	19.18	19.78	20.22	21.60
	12H	15.42	15.81	16.47	16.87	18.26	18.80	19.19	19.85	20.25	21.64
8H	4H	15.77	16.21	16.81	17.25	18.64	18.39	18.82	19.43	19.87	21.25
	6H	16.03	16.39	17.10	17.48	18.86	18.83	19.19	19.89	20.27	21.65
	8H	16.08	16.39	17.15	17.46	18.86	18.98	19.30	20.05	20.36	21.77
	12H	16.06	16.34	17.13	17.40	18.84	19.08	19.36	20.15	20.42	21.86
12H	4H	15.78	16.17	16.83	17.23	18.62	18.35	18.75	19.41	19.80	21.19
	6H	16.09	16.41	17.16	17.48	18.88	18.82	19.14	19.89	20.21	21.61
	8H	16.16	16.44	17.23	17.50	18.95	18.99	19.26	20.06	20.33	21.77