

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: P935265

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

Issue Date: 12/17/2024

**Test Information**

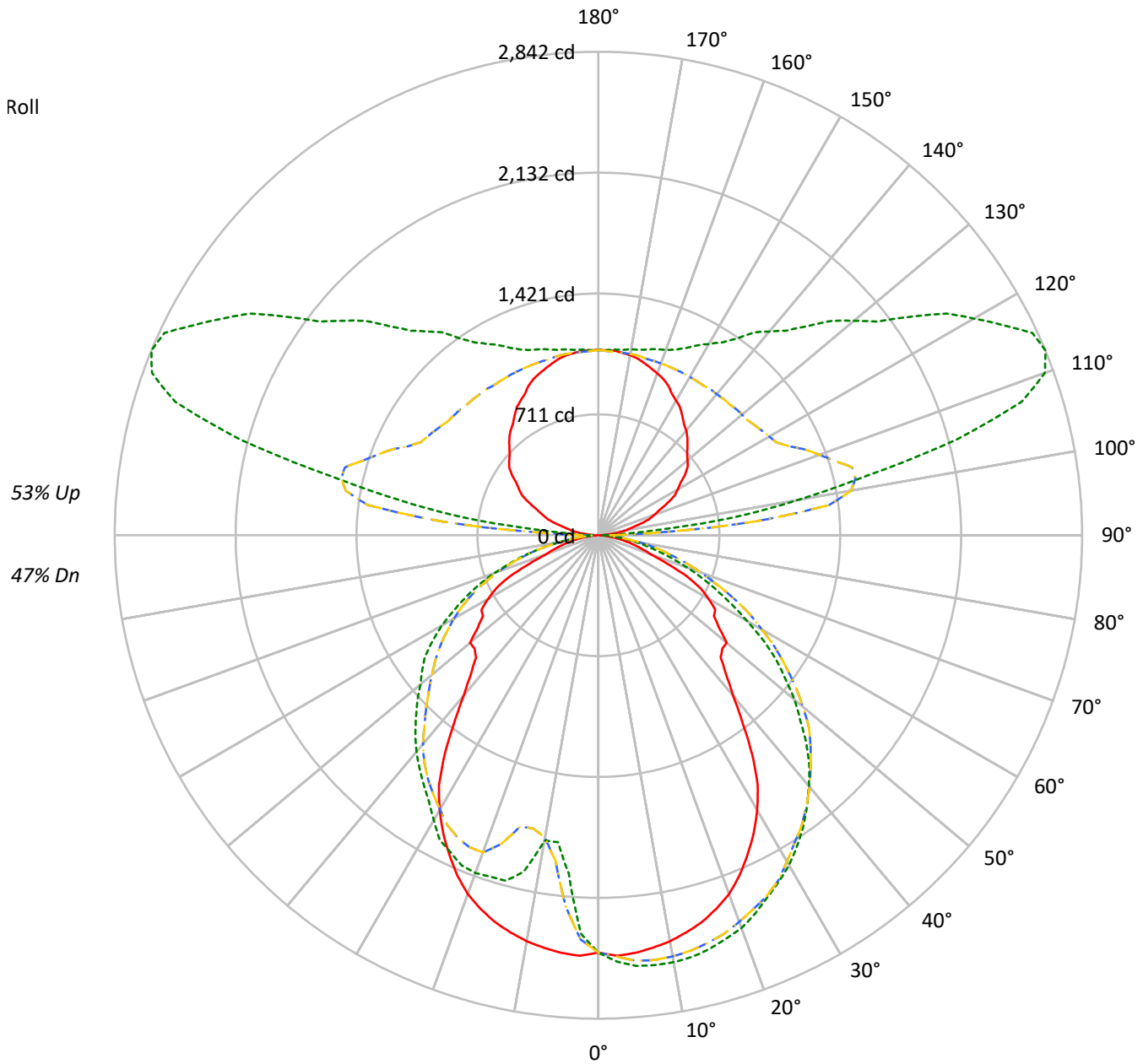
Test Method: LM-79-2019  
Report Number: P935265  
REPORT IS A COMBINATION OF REPORTS P933748 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-3000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13422.2 lumens  
Efficiency: N/A  
Efficacy: 115.7 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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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°    - - - 135°-315°



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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
RCR																				
0	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	47	47	47
1	97	93	89	86	89	86	82	79	72	70	67	59	58	56	48	47	46	40	40	40
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	42	40	38	34	34	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	28	28	28
4	74	63	55	49	68	58	51	46	49	44	40	41	37	34	33	30	28	24	24	24
5	68	56	48	42	62	52	45	39	44	39	34	37	33	29	30	27	24	21	21	21
6	62	50	42	36	57	47	39	34	40	34	30	33	29	26	27	24	21	19	19	19
7	58	45	37	32	53	42	35	30	36	30	26	30	26	23	25	21	19	16	16	16
8	53	41	33	28	49	38	31	27	33	27	23	28	23	20	23	19	17	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13	13	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12	12	12

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	11382	11382	11382	11382
5°	11467	11490	11467	9034
10°	11390	11317	11390	8091
15°	11266	11073	11266	9246
20°	11031	10782	11031	9265
25°	10548	10358	10548	9069
30°	9925	10007	9925	8638
35°	8848	9562	8848	8164
40°	7373	9038	7373	7806
45°	6587	8425	6587	7394
50°	6998	7693	6998	6981
55°	6585	6906	6585	6742
60°	6787	5865	6787	6175
65°	6154	4848	6154	5419
70°	4261	3864	4261	4542
75°	3737	2856	3737	3420
80°	3011	1888	3011	2057
85°	1733	1000	1733	850

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10096 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	221.4	1.6
10°-20°	628.7	4.7
20°-30°	971.9	7.2
30°-40°	1160.3	8.6
40°-50°	1167.1	8.7
50°-60°	1015.5	7.6
60°-70°	720.0	5.4
70°-80°	380.9	2.8
80°-90°	99.0	0.7
90°-100°	530.7	4.0
100°-110°	1395.2	10.4
110°-120°	1446.6	10.8
120°-130°	1160.4	8.6
130°-140°	910.5	6.8
140°-150°	698.8	5.2
150°-160°	503.3	3.7
160°-170°	307.9	2.3
170°-180°	104.0	0.8
0°-30°	1822.1	13.6
0°-40°	2982.3	22.2
0°-60°	5164.9	38.5
0°-90°	6364.8	47.4
90°-120°	3372.5	25.1
90°-150°	6142.2	45.8
90°-180°	7057.0	52.6
0°-180°	13422.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2453	2453	2453	2453	2453	
5°	2465	2541	2465	1998	2465	234
15°	2353	2518	2353	2103	2353	662
25°	2072	2349	2072	2056	2072	952
35°	1576	2096	1576	1789	1576	975
45°	1016	1727	1016	1516	1016	814
55°	829	1274	829	1244	829	761
65°	576	768	576	859	576	550
75°	218	364	218	436	218	229
85°	37	93	37	79	37	50
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°	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2
2.5°	2474.1	2474.1	2488.0	2492.6	2492.6	2485.7	2478.7	2485.7	2506.6	2513.5	2511.2
5°	2464.8	2483.3	2508.9	2513.5	2518.2	2515.8	2511.2	2515.8	2539.1	2543.7	2546.0
7.5°	2446.2	2481.0	2513.5	2520.5	2527.5	2520.5	2518.2	2522.8	2546.0	2550.7	2550.7
10°	2423.0	2471.7	2508.9	2513.5	2520.5	2513.5	2513.5	2522.8	2546.0	2550.7	2553.0
12.5°	2390.5	2457.8	2492.6	2497.3	2506.6	2504.2	2501.9	2511.2	2534.4	2539.1	2539.1
15°	2353.4	2432.3	2464.8	2469.4	2485.7	2481.0	2481.0	2490.3	2515.8	2522.8	2520.5
17.5°	2302.3	2399.8	2436.9	2443.9	2455.5	2453.2	2455.5	2464.8	2488.0	2492.6	2495.0
20°	2244.3	2355.7	2399.8	2406.7	2418.4	2418.4	2418.4	2430.0	2453.2	2462.5	2462.5
22.5°	2165.4	2309.3	2355.7	2360.3	2374.2	2374.2	2378.9	2395.1	2416.0	2418.4	2418.4
25°	2072.5	2258.2	2297.6	2311.6	2325.6	2332.5	2339.4	2348.8	2355.7	2353.4	2355.7
27.5°	1975.0	2193.2	2244.3	2253.5	2272.2	2279.1	2288.4	2290.7	2293.1	2300.0	2295.4
30°	1866.0	2102.7	2179.3	2188.6	2218.8	2223.4	2214.1	2218.8	2230.4	2235.0	2239.7
32.5°	1743.0	1968.1	2112.1	2132.9	2160.7	2146.8	2144.5	2151.5	2170.0	2170.0	2174.7
35°	1575.8	1863.7	2049.3	2067.9	2088.8	2072.5	2081.8	2084.1	2095.8	2102.7	2100.4
37.5°	1392.5	1773.1	1984.3	1998.3	2014.6	1993.7	2007.5	2014.6	2023.8	2019.2	2019.2
40°	1230.1	1631.6	1907.8	1917.1	1930.9	1914.7	1928.7	1933.3	1938.0	1933.3	1930.9
42.5°	1109.4	1476.1	1826.5	1838.1	1828.9	1840.5	1845.1	1854.4	1847.4	1838.1	1838.1
45°	1016.5	1434.3	1738.3	1752.3	1738.3	1757.0	1763.9	1763.9	1743.0	1738.3	1736.0
47.5°	986.4	1350.7	1650.2	1650.2	1643.2	1666.4	1678.0	1661.7	1640.8	1633.9	1633.9
50°	984.0	1257.9	1529.5	1520.2	1552.7	1580.5	1568.9	1552.7	1536.4	1510.9	1510.9
52.5°	893.6	1144.2	1373.9	1408.8	1459.8	1476.1	1457.5	1441.3	1413.4	1401.9	1392.5
55°	828.6	1025.9	1232.4	1302.0	1355.4	1376.3	1341.4	1325.3	1283.5	1276.5	1271.9
57.5°	814.6	854.1	1102.4	1190.6	1255.6	1253.2	1232.4	1202.2	1167.4	1160.4	1158.1
60°	747.3	617.4	963.1	1067.6	1134.9	1127.9	1109.4	1081.5	1049.0	1044.4	1039.7
62.5°	677.7	447.9	805.3	923.7	1018.8	1016.5	1000.3	958.5	935.3	923.7	914.4
65°	575.6	376.0	573.3	768.2	905.2	909.7	875.0	844.8	819.3	805.3	803.0
67.5°	438.6	306.4	387.6	640.5	796.1	791.4	747.3	733.4	700.9	693.9	680.0
70°	324.9	204.2	269.2	519.9	689.3	677.7	642.9	626.7	596.5	580.2	570.9
72.5°	269.2	164.8	197.3	403.8	580.2	566.3	536.1	517.6	492.0	478.1	468.8
75°	218.2	174.1	150.9	299.4	471.1	461.9	434.0	415.4	394.5	376.0	378.3
77.5°	160.1	162.5	120.7	220.5	373.6	359.8	343.5	320.3	311.0	292.5	292.5
80°	120.7	127.6	90.6	150.9	269.2	269.2	255.3	239.1	222.8	213.5	213.5
82.5°	81.2	81.2	67.3	95.1	183.4	176.4	167.1	162.5	153.2	148.5	148.5
85°	37.2	46.4	41.8	58.1	99.8	104.4	104.4	99.8	97.5	92.8	95.1
87.5°	11.6	20.9	25.6	32.5	51.0	53.4	55.7	55.7	55.7	58.1	58.1
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°	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2
2.5°	2515.8	2508.9	2515.8	2511.2	2513.5	2506.6	2485.7	2478.7	2485.7	2492.6	2492.6
5°	2546.0	2541.4	2546.0	2546.0	2543.7	2539.1	2515.8	2511.2	2515.8	2518.2	2513.5
7.5°	2555.3	2548.3	2555.3	2550.7	2550.7	2546.0	2522.8	2518.2	2520.5	2527.5	2520.5
10°	2555.3	2548.3	2555.3	2553.0	2550.7	2546.0	2522.8	2513.5	2513.5	2520.5	2513.5
12.5°	2543.7	2539.1	2543.7	2539.1	2539.1	2534.4	2511.2	2501.9	2504.2	2506.6	2497.3
15°	2525.1	2518.2	2525.1	2520.5	2522.8	2515.8	2490.3	2481.0	2481.0	2485.7	2469.4
17.5°	2497.3	2488.0	2497.3	2495.0	2492.6	2488.0	2464.8	2455.5	2453.2	2455.5	2443.9
20°	2464.8	2457.8	2464.8	2462.5	2462.5	2453.2	2430.0	2418.4	2418.4	2418.4	2406.7
22.5°	2413.7	2406.7	2413.7	2418.4	2418.4	2416.0	2395.1	2378.9	2374.2	2374.2	2360.3
25°	2355.7	2348.8	2355.7	2355.7	2353.4	2355.7	2348.8	2339.4	2332.5	2325.6	2311.6
27.5°	2300.0	2295.4	2300.0	2295.4	2300.0	2293.1	2290.7	2288.4	2279.1	2272.2	2253.5
30°	2244.3	2239.7	2244.3	2239.7	2235.0	2230.4	2218.8	2214.1	2223.4	2218.8	2188.6
32.5°	2174.7	2170.0	2174.7	2174.7	2170.0	2170.0	2151.5	2144.5	2146.8	2160.7	2132.9
35°	2102.7	2095.8	2102.7	2100.4	2102.7	2095.8	2084.1	2081.8	2072.5	2088.8	2067.9
37.5°	2019.2	2012.2	2019.2	2019.2	2019.2	2023.8	2014.6	2007.5	1993.7	2014.6	1998.3
40°	1933.3	1924.0	1933.3	1930.9	1933.3	1938.0	1933.3	1928.7	1914.7	1930.9	1917.1
42.5°	1835.8	1833.5	1835.8	1838.1	1838.1	1847.4	1854.4	1845.1	1840.5	1828.9	1838.1
45°	1731.4	1726.7	1731.4	1736.0	1738.3	1743.0	1763.9	1763.9	1757.0	1738.3	1752.3
47.5°	1619.9	1608.3	1619.9	1633.9	1633.9	1640.8	1661.7	1678.0	1666.4	1643.2	1650.2
50°	1501.6	1503.9	1501.6	1510.9	1510.9	1536.4	1552.7	1568.9	1580.5	1552.7	1520.2
52.5°	1385.6	1383.2	1385.6	1392.5	1401.9	1413.4	1441.3	1457.5	1476.1	1459.8	1408.8
55°	1269.5	1274.2	1269.5	1271.9	1276.5	1283.5	1325.3	1341.4	1376.3	1355.4	1302.0
57.5°	1153.5	1146.5	1153.5	1158.1	1160.4	1167.4	1202.2	1232.4	1253.2	1255.6	1190.6
60°	1018.8	1009.6	1018.8	1039.7	1044.4	1049.0	1081.5	1109.4	1127.9	1134.9	1067.6
62.5°	900.5	884.3	900.5	914.4	923.7	935.3	958.5	1000.3	1016.5	1018.8	923.7
65°	775.2	768.2	775.2	803.0	805.3	819.3	844.8	875.0	909.7	905.2	768.2
67.5°	661.4	661.4	661.4	680.0	693.9	700.9	733.4	747.3	791.4	796.1	640.5
70°	557.0	554.7	557.0	570.9	580.2	596.5	626.7	642.9	677.7	689.3	519.9
72.5°	457.2	454.9	457.2	468.8	478.1	492.0	517.6	536.1	566.3	580.2	403.8
75°	369.1	364.4	369.1	378.3	376.0	394.5	415.4	434.0	461.9	471.1	299.4
77.5°	283.2	283.2	283.2	292.5	292.5	311.0	320.3	343.5	359.8	373.6	220.5
80°	211.2	208.9	211.2	213.5	213.5	222.8	239.1	255.3	269.2	269.2	150.9
82.5°	148.5	143.9	148.5	148.5	148.5	153.2	162.5	167.1	176.4	183.4	95.1
85°	92.8	92.8	92.8	95.1	92.8	97.5	99.8	104.4	104.4	99.8	58.1
87.5°	60.3	58.1	60.3	58.1	58.1	55.7	55.7	55.7	53.4	51.0	32.5
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: P935265

CATALOG NUMBER: SQ4-FA-100U-100D-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: P935265

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

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2
2.5°	2488.0	2474.1	2474.1	2450.9	2441.6	2434.7	2423.0	2388.2	2378.9	2369.7	2383.5
5°	2508.9	2483.3	2464.8	2423.0	2388.2	2374.2	2330.1	2246.6	2190.9	2149.1	2125.9
7.5°	2513.5	2481.0	2446.2	2381.2	2297.6	2260.6	2125.9	1972.8	1930.9	1893.9	1870.6
10°	2508.9	2471.7	2423.0	2325.6	2128.2	2063.3	1928.7	1828.9	1803.3	1796.4	1803.3
12.5°	2492.6	2457.8	2390.5	2228.1	1951.8	1907.8	1828.9	1770.8	1766.2	1777.8	1840.5
15°	2464.8	2432.3	2353.4	2098.1	1854.4	1821.9	1766.2	1745.3	1770.8	1852.1	2040.0
17.5°	2436.9	2399.8	2302.3	1970.5	1780.1	1757.0	1717.4	1759.2	1903.1	2012.2	2074.9
20°	2399.8	2355.7	2244.3	1877.6	1726.7	1705.8	1687.3	1875.3	1984.3	2023.8	2058.6
22.5°	2355.7	2309.3	2165.4	1812.6	1671.1	1654.8	1666.4	1940.3	1984.3	2012.2	2042.4
25°	2297.6	2258.2	2072.5	1761.5	1627.0	1608.3	1652.4	1933.3	1958.8	1965.8	2026.2
27.5°	2244.3	2193.2	1975.0	1715.1	1573.6	1566.6	1664.1	1903.1	1921.7	1928.7	1993.7
30°	2179.3	2102.7	1866.0	1666.4	1517.9	1515.5	1666.4	1866.0	1861.4	1879.9	1944.9
32.5°	2112.1	1968.1	1743.0	1606.1	1464.5	1462.2	1650.2	1810.3	1805.6	1831.2	1879.9
35°	2049.3	1863.7	1575.8	1536.4	1397.2	1399.5	1610.7	1745.3	1747.6	1770.8	1801.0
37.5°	1984.3	1773.1	1392.5	1459.8	1332.2	1332.2	1557.3	1684.9	1680.4	1687.3	1729.0
40°	1907.8	1631.6	1230.1	1360.0	1271.9	1264.8	1492.3	1619.9	1603.7	1601.4	1659.5
42.5°	1826.5	1476.1	1109.4	1227.8	1202.2	1192.9	1413.4	1541.1	1510.9	1517.9	1592.1
45°	1738.3	1434.3	1016.5	1037.4	1130.3	1123.3	1327.6	1450.5	1429.7	1448.2	1524.8
47.5°	1650.2	1350.7	986.4	861.1	1053.7	1051.3	1232.4	1362.3	1350.7	1369.4	1450.5
50°	1529.5	1257.9	984.0	738.0	967.8	977.1	1118.7	1276.5	1276.5	1292.8	1378.6
52.5°	1373.9	1144.2	893.6	668.4	868.0	895.9	1018.8	1202.2	1206.9	1223.1	1299.7
55°	1232.4	1025.9	828.6	615.1	749.6	810.0	921.4	1125.6	1134.9	1151.2	1220.8
57.5°	1102.4	854.1	814.6	552.4	640.5	698.6	835.5	1051.3	1056.0	1069.9	1137.2
60°	963.1	617.4	747.3	485.1	545.4	589.5	756.6	963.1	979.4	988.7	1046.8
62.5°	805.3	447.9	677.7	438.6	499.0	508.3	691.7	879.6	900.5	907.5	942.2
65°	573.3	376.0	575.6	399.2	450.2	452.6	622.0	793.7	812.3	823.9	849.4
67.5°	387.6	306.4	438.6	362.0	413.2	415.4	554.7	693.9	719.5	728.7	745.0
70°	269.2	204.2	324.9	322.6	371.3	376.0	482.7	603.4	626.7	633.6	642.9
72.5°	197.3	164.8	269.2	290.1	327.3	331.9	408.5	501.3	524.5	531.5	536.1
75°	150.9	174.1	218.2	253.0	278.5	280.8	334.2	408.5	424.7	429.4	431.7
77.5°	120.7	162.5	160.1	204.2	227.5	222.8	262.3	315.7	329.5	329.5	329.5
80°	90.6	127.6	120.7	146.2	167.1	162.5	188.0	225.1	229.8	234.4	232.0
82.5°	67.3	81.2	81.2	92.8	111.4	106.8	125.3	146.2	146.2	146.2	150.9
85°	41.8	46.4	37.2	48.7	62.6	60.3	69.6	78.9	81.2	81.2	76.6
87.5°	25.6	20.9	11.6	18.5	27.8	27.8	32.5	34.8	32.5	32.5	32.5
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: P935265

CATALOG NUMBER: SQ4-FA-100U-100D-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: P935265

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

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2
2.5°	2367.3	2360.3	2369.7	2344.1	2369.7	2360.3	2367.3	2383.5	2369.7	2378.9	2388.2
5°	2077.2	2065.6	2028.4	1998.3	2028.4	2065.6	2077.2	2125.9	2149.1	2190.9	2246.6
7.5°	1856.7	1847.4	1838.1	1819.6	1838.1	1847.4	1856.7	1870.6	1893.9	1930.9	1972.8
10°	1808.0	1810.3	1824.2	1821.9	1824.2	1810.3	1808.0	1803.3	1796.4	1803.3	1828.9
12.5°	1933.3	1954.2	2030.8	2026.2	2030.8	1954.2	1933.3	1840.5	1777.8	1766.2	1770.8
15°	2077.2	2084.1	2100.4	2102.7	2100.4	2084.1	2077.2	2040.0	1852.1	1770.8	1745.3
17.5°	2091.1	2093.4	2105.0	2105.0	2105.0	2093.4	2091.1	2074.9	2012.2	1903.1	1759.2
20°	2079.6	2084.1	2107.4	2112.1	2107.4	2084.1	2079.6	2058.6	2023.8	1984.3	1875.3
22.5°	2074.9	2084.1	2102.7	2100.4	2102.7	2084.1	2074.9	2042.4	2012.2	1984.3	1940.3
25°	2051.6	2051.6	2054.0	2056.3	2054.0	2051.6	2051.6	2026.2	1965.8	1958.8	1933.3
27.5°	2003.0	2007.5	2021.5	2019.2	2021.5	2007.5	2003.0	1993.7	1928.7	1921.7	1903.1
30°	1958.8	1954.2	1942.5	1933.3	1942.5	1954.2	1958.8	1944.9	1879.9	1861.4	1866.0
32.5°	1884.6	1873.0	1861.4	1854.4	1861.4	1873.0	1884.6	1879.9	1831.2	1805.6	1810.3
35°	1796.4	1798.7	1796.4	1789.4	1796.4	1798.7	1796.4	1801.0	1770.8	1747.6	1745.3
37.5°	1733.7	1738.3	1736.0	1726.7	1736.0	1738.3	1733.7	1729.0	1687.3	1680.4	1684.9
40°	1668.7	1671.1	1668.7	1661.7	1668.7	1671.1	1668.7	1659.5	1601.4	1603.7	1619.9
42.5°	1606.1	1603.7	1596.8	1592.1	1596.8	1603.7	1606.1	1592.1	1517.9	1510.9	1541.1
45°	1534.1	1536.4	1522.5	1515.5	1522.5	1536.4	1534.1	1524.8	1448.2	1429.7	1450.5
47.5°	1462.2	1462.2	1450.5	1443.6	1450.5	1462.2	1462.2	1450.5	1369.4	1350.7	1362.3
50°	1385.6	1383.2	1367.0	1364.7	1367.0	1383.2	1385.6	1378.6	1292.8	1276.5	1276.5
52.5°	1297.3	1297.3	1299.7	1304.4	1299.7	1297.3	1297.3	1299.7	1223.1	1206.9	1202.2
55°	1220.8	1223.1	1239.4	1244.0	1239.4	1223.1	1220.8	1220.8	1151.2	1134.9	1125.6
57.5°	1141.9	1141.9	1153.5	1153.5	1153.5	1141.9	1141.9	1137.2	1069.9	1056.0	1051.3
60°	1051.3	1056.0	1065.3	1063.0	1065.3	1056.0	1051.3	1046.8	988.7	979.4	963.1
62.5°	956.2	960.9	963.1	958.5	963.1	960.9	956.2	942.2	907.5	900.5	879.6
65°	856.4	861.1	863.4	858.7	863.4	861.1	856.4	849.4	823.9	812.3	793.7
67.5°	754.3	752.0	749.6	758.9	749.6	752.0	754.3	745.0	728.7	719.5	693.9
70°	649.9	649.9	647.5	652.1	647.5	649.9	649.9	642.9	633.6	626.7	603.4
72.5°	538.5	536.1	545.4	538.5	545.4	536.1	538.5	536.1	531.5	524.5	501.3
75°	429.4	434.0	429.4	436.3	429.4	434.0	429.4	431.7	429.4	424.7	408.5
77.5°	327.3	331.9	327.3	327.3	327.3	331.9	327.3	329.5	329.5	329.5	315.7
80°	232.0	229.8	229.8	227.5	229.8	229.8	232.0	232.0	234.4	229.8	225.1
82.5°	148.5	146.2	146.2	150.9	146.2	146.2	148.5	150.9	146.2	146.2	146.2
85°	81.2	83.5	78.9	78.9	78.9	83.5	81.2	76.6	81.2	81.2	78.9
87.5°	30.2	27.8	27.8	27.8	27.8	27.8	30.2	32.5	32.5	32.5	34.8
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



TEST NUMBER: P935265  
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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2453.2	2453.2	2453.2	2453.2	2453.2
2.5°	2423.0	2434.7	2441.6	2450.9	2474.1
5°	2330.1	2374.2	2388.2	2423.0	2464.8
7.5°	2125.9	2260.6	2297.6	2381.2	2446.2
10°	1928.7	2063.3	2128.2	2325.6	2423.0
12.5°	1828.9	1907.8	1951.8	2228.1	2390.5
15°	1766.2	1821.9	1854.4	2098.1	2353.4
17.5°	1717.4	1757.0	1780.1	1970.5	2302.3
20°	1687.3	1705.8	1726.7	1877.6	2244.3
22.5°	1666.4	1654.8	1671.1	1812.6	2165.4
25°	1652.4	1608.3	1627.0	1761.5	2072.5
27.5°	1664.1	1566.6	1573.6	1715.1	1975.0
30°	1666.4	1515.5	1517.9	1666.4	1866.0
32.5°	1650.2	1462.2	1464.5	1606.1	1743.0
35°	1610.7	1399.5	1397.2	1536.4	1575.8
37.5°	1557.3	1332.2	1332.2	1459.8	1392.5
40°	1492.3	1264.8	1271.9	1360.0	1230.1
42.5°	1413.4	1192.9	1202.2	1227.8	1109.4
45°	1327.6	1123.3	1130.3	1037.4	1016.5
47.5°	1232.4	1051.3	1053.7	861.1	986.4
50°	1118.7	977.1	967.8	738.0	984.0
52.5°	1018.8	895.9	868.0	668.4	893.6
55°	921.4	810.0	749.6	615.1	828.6
57.5°	835.5	698.6	640.5	552.4	814.6
60°	756.6	589.5	545.4	485.1	747.3
62.5°	691.7	508.3	499.0	438.6	677.7
65°	622.0	452.6	450.2	399.2	575.6
67.5°	554.7	415.4	413.2	362.0	438.6
70°	482.7	376.0	371.3	322.6	324.9
72.5°	408.5	331.9	327.3	290.1	269.2
75°	334.2	280.8	278.5	253.0	218.2
77.5°	262.3	222.8	227.5	204.2	160.1
80°	188.0	162.5	167.1	146.2	120.7
82.5°	125.3	106.8	111.4	92.8	81.2
85°	69.6	60.3	62.6	48.7	37.2
87.5°	32.5	27.8	27.8	18.5	11.6
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



TEST NUMBER: P935265

CATALOG NUMBER: SQ4-FA-100U-100D-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



TEST NUMBER: P935265  
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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	13.01	13.85	13.99	14.84	16.15	15.85	16.69	16.83	17.68	18.99
	3H	13.49	14.24	14.48	15.24	16.57	17.20	17.95	18.19	18.95	20.28
	4H	13.68	14.39	14.68	15.39	16.73	17.64	18.35	18.65	19.36	20.70
	6H	13.80	14.45	14.81	15.46	16.81	17.93	18.58	18.94	19.59	20.94
	8H	13.80	14.42	14.82	15.45	16.79	18.00	18.63	19.02	19.65	21.00
	12H	13.77	14.36	14.79	15.38	16.75	18.04	18.63	19.07	19.65	21.02
4H	2H	14.04	14.76	15.05	15.76	17.10	16.26	16.97	17.27	17.97	19.31
	3H	15.07	15.66	16.09	16.70	18.05	17.76	18.36	18.78	19.39	20.74
	4H	15.35	15.89	16.37	16.91	18.29	18.29	18.83	19.32	19.86	21.23
	6H	15.47	15.94	16.51	16.98	18.35	18.66	19.12	19.69	20.17	21.54
	8H	15.47	15.91	16.51	16.95	18.34	18.77	19.20	19.80	20.24	21.63
	12H	15.44	15.83	16.50	16.89	18.28	18.82	19.22	19.88	20.27	21.66
8H	4H	15.80	16.23	16.84	17.28	18.66	18.41	18.85	19.45	19.89	21.28
	6H	16.06	16.42	17.12	17.50	18.88	18.85	19.21	19.91	20.30	21.68
	8H	16.10	16.42	17.17	17.49	18.89	19.00	19.32	20.07	20.39	21.79
	12H	16.08	16.36	17.16	17.43	18.87	19.10	19.38	20.18	20.45	21.89
12H	4H	15.80	16.20	16.86	17.25	18.64	18.38	18.77	19.43	19.83	21.22
	6H	16.12	16.44	17.19	17.50	18.91	18.85	19.17	19.92	20.23	21.64
	8H	16.19	16.46	17.26	17.53	18.97	19.01	19.29	20.08	20.35	21.80