

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: P936164

Luminaire Tested: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-6-5000K

Issue Date: 12/17/2024

**Test Information**

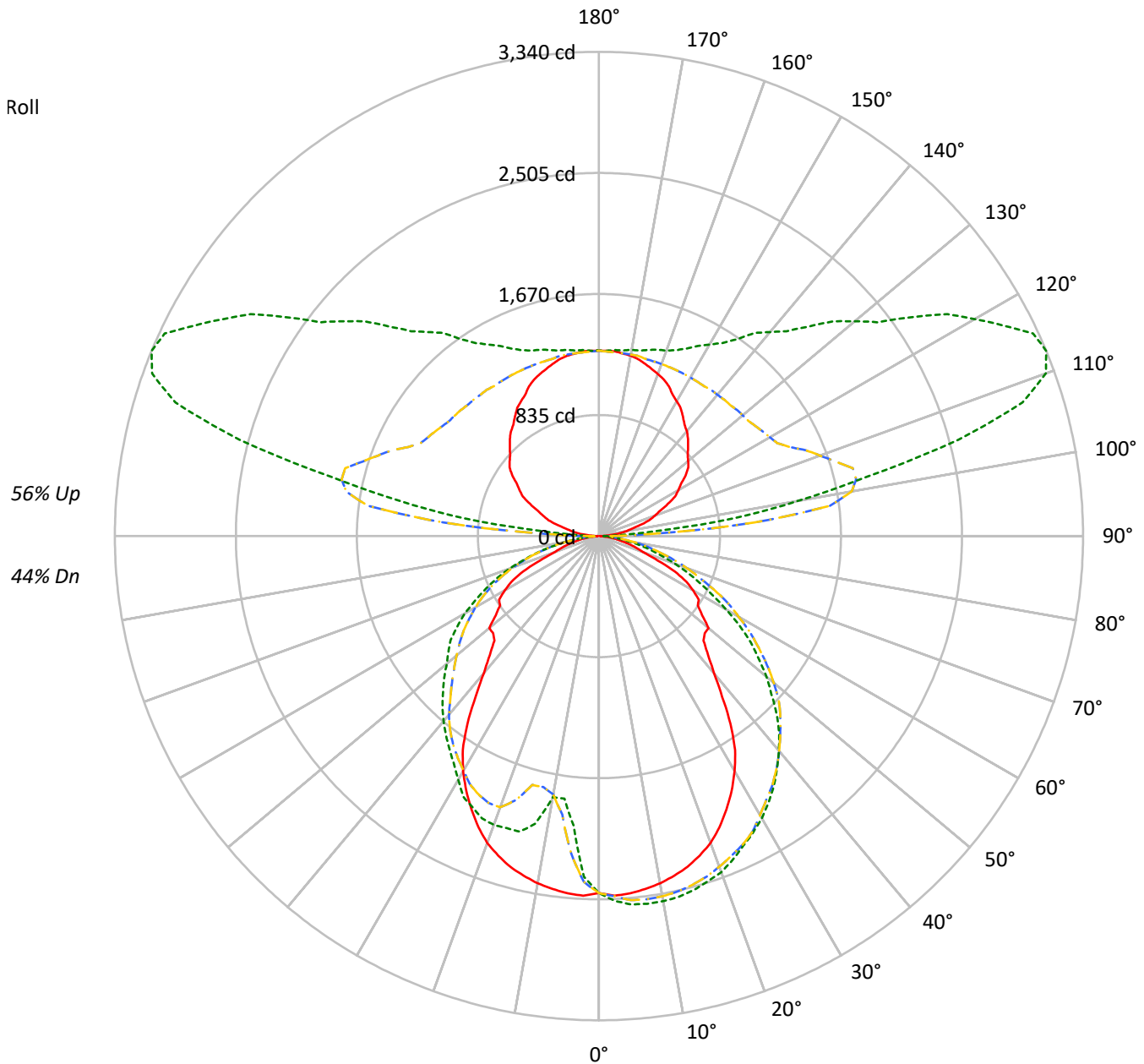
Test Method: LM-79-2019  
Report Number: P936164  
REPORT IS A COMBINATION OF REPORTS P933783 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-6-5000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14681.3 lumens  
Efficiency: N/A  
Efficacy: 117.6 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')  
CIE Type: General Diffuse  
  
Input Watts (W): 124.8  
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	0
RCR																					
0	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	44	44	44	44
1	96	92	88	85	88	84	81	78	70	68	66	57	55	54	44	43	42	37	37	37	37
2	88	80	74	69	80	74	69	64	61	58	54	50	47	45	39	37	36	31	31	31	31
3	80	71	63	58	73	65	59	54	54	49	46	44	41	38	35	32	30	26	26	26	26
4	73	63	55	49	67	57	51	45	48	43	39	39	35	32	31	28	26	22	22	22	22
5	67	56	48	42	61	51	44	39	43	37	33	35	31	28	28	25	23	19	19	19	19
6	62	50	42	36	56	46	39	34	39	33	29	32	28	24	25	22	20	17	17	17	17
7	57	45	37	31	52	41	34	29	35	29	25	29	25	22	23	20	18	15	15	15	15
8	53	41	33	28	48	38	31	26	32	26	23	26	22	19	21	18	16	13	13	13	13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12	12	12	12
10	46	34	27	22	42	31	25	21	27	22	18	22	18	16	18	15	13	11	11	11	11

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

	0°	90°	180°	270°
0°	15230	15230	15230	15230
5°	15338	15374	15338	12088
10°	15230	15144	15230	10827
15°	15059	14816	15059	12371
20°	14739	14428	14739	12398
25°	14088	13861	14088	12135
30°	13249	13390	13249	11559
35°	11806	12795	11806	10924
40°	9832	12094	9832	10445
45°	8779	11274	8779	9895
50°	9320	10295	9320	9342
55°	8759	9240	8759	9022
60°	9019	7848	9019	8263
65°	8164	6488	8164	7252
70°	5640	5171	5640	6079
75°	4928	3822	4928	4577
80°	3942	2526	3942	2751
85°	2224	1337	2224	1138

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 13463 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	222.2	1.5
10°-20°	631.0	4.3
20°-30°	975.4	6.6
30°-40°	1164.4	7.9
40°-50°	1171.2	8.0
50°-60°	1019.1	6.9
60°-70°	722.6	4.9
70°-80°	382.3	2.6
80°-90°	100.1	0.7
90°-100°	623.6	4.2
100°-110°	1639.4	11.2
110°-120°	1699.9	11.6
120°-130°	1363.5	9.3
130°-140°	1069.9	7.3
140°-150°	821.2	5.6
150°-160°	591.4	4.0
160°-170°	361.8	2.5
170°-180°	122.2	0.8
0°-30°	1828.6	12.5
0°-40°	2993.0	20.4
0°-60°	5183.4	35.3
0°-90°	6388.4	43.5
90°-120°	3962.9	27.0
90°-150°	7217.5	49.2
90°-180°	8293.0	56.5
0°-180°	14681.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2462	2462	2462	2462	2462	
5°	2474	2550	2474	2005	2474	235
15°	2362	2527	2362	2110	2362	665
25°	2080	2357	2080	2064	2080	955
35°	1582	2103	1582	1796	1582	978
45°	1020	1733	1020	1521	1020	817
55°	832	1279	832	1248	832	764
65°	578	771	578	862	578	552
75°	219	366	219	438	219	230
85°	37	93	37	79	37	50
90°	9	33	9	33	9	9
95°	82	377	82	377	82	91
105°	295	2567	295	2567	295	313
115°	525	3305	525	3305	525	518
125°	730	2632	730	2632	730	648
135°	870	2042	870	2042	870	673
145°	1009	1657	1009	1657	1009	632
155°	1140	1427	1140	1427	1140	524
165°	1230	1329	1230	1329	1230	347
175°	1279	1288	1279	1288	1279	121
180°	1279	1279	1279	1279	1279	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2462.0	2462.0	2462.0	2462.0	2462.0	2462.0	2462.0	2462.0	2462.0	2462.0	2462.0
2.5°	2482.9	2482.9	2497.0	2501.5	2501.5	2494.6	2487.6	2494.6	2515.6	2522.6	2520.2
5°	2473.6	2492.3	2517.9	2522.6	2527.2	2524.9	2520.2	2524.9	2548.2	2552.8	2555.1
7.5°	2455.0	2489.9	2522.6	2529.5	2536.5	2529.5	2527.2	2531.8	2555.1	2559.8	2559.8
10°	2431.7	2480.6	2517.9	2522.6	2529.5	2522.6	2522.6	2531.8	2555.1	2559.8	2562.1
12.5°	2399.1	2466.7	2501.5	2506.2	2515.6	2513.2	2510.9	2520.2	2543.5	2548.2	2548.2
15°	2361.9	2441.0	2473.6	2478.3	2494.6	2489.9	2489.9	2499.3	2524.9	2531.8	2529.5
17.5°	2310.6	2408.4	2445.7	2452.6	2464.3	2462.0	2464.3	2473.6	2497.0	2501.5	2503.9
20°	2252.4	2364.2	2408.4	2415.4	2427.0	2427.0	2427.0	2438.7	2462.0	2471.3	2471.3
22.5°	2173.2	2317.5	2364.2	2368.8	2382.8	2382.8	2387.5	2403.7	2424.7	2427.0	2427.0
25°	2080.0	2266.3	2305.9	2319.9	2333.9	2340.9	2347.8	2357.2	2364.2	2361.9	2364.2
27.5°	1982.1	2201.1	2252.4	2261.7	2280.3	2287.3	2296.6	2298.9	2301.3	2308.3	2303.6
30°	1872.6	2110.2	2187.1	2196.4	2226.7	2231.4	2222.1	2226.7	2238.3	2243.0	2247.7
32.5°	1749.2	1975.2	2119.6	2140.5	2168.5	2154.6	2152.2	2159.2	2177.8	2177.8	2182.5
35°	1581.6	1870.4	2056.7	2075.4	2096.3	2080.0	2089.3	2091.6	2103.3	2110.2	2107.9
37.5°	1397.6	1779.5	1991.5	2005.4	2021.8	2000.8	2014.8	2021.8	2031.0	2026.5	2026.5
40°	1234.5	1637.4	1914.6	1923.9	1937.9	1921.6	1935.6	1940.3	1944.9	1940.3	1937.9
42.5°	1113.3	1481.3	1833.1	1844.8	1835.4	1847.0	1851.7	1861.1	1854.0	1844.8	1844.8
45°	1020.2	1439.5	1744.5	1758.6	1744.5	1763.3	1770.2	1770.2	1749.2	1744.5	1742.2
47.5°	989.9	1355.6	1656.1	1656.1	1649.1	1672.4	1684.1	1667.7	1646.7	1639.7	1639.7
50°	987.6	1262.5	1534.9	1525.7	1558.2	1586.2	1574.6	1558.2	1541.9	1516.3	1516.3
52.5°	896.8	1148.3	1378.9	1413.8	1465.1	1481.3	1462.7	1446.5	1418.5	1406.8	1397.6
55°	831.5	1029.5	1236.8	1306.7	1360.3	1381.2	1346.3	1330.0	1288.1	1281.1	1276.4
57.5°	817.6	857.1	1106.4	1194.9	1260.1	1257.8	1236.8	1206.5	1171.6	1164.6	1162.3
60°	750.0	619.5	966.6	1071.4	1139.0	1132.0	1113.3	1085.4	1052.8	1048.2	1043.5
62.5°	680.1	449.6	808.2	927.1	1022.5	1020.2	1003.9	961.9	938.7	927.1	917.7
65°	577.7	377.4	575.3	771.0	908.4	913.0	878.1	847.9	822.3	808.2	805.9
67.5°	440.2	307.4	389.0	642.8	798.9	794.3	750.0	736.0	703.4	696.4	682.5
70°	326.1	205.0	270.2	521.7	691.8	680.1	645.2	628.9	598.6	582.3	573.0
72.5°	270.2	165.4	197.9	405.3	582.3	568.3	538.0	519.4	493.8	479.9	470.5
75°	219.0	174.7	151.4	300.5	472.8	463.5	435.5	416.9	396.0	377.4	379.7
77.5°	160.7	163.1	121.1	221.3	375.0	361.0	344.7	321.5	312.1	293.5	293.5
80°	121.1	128.1	90.9	151.4	270.2	270.2	256.2	239.9	223.6	214.3	214.3
82.5°	81.5	81.5	67.5	95.5	184.0	177.0	167.7	163.1	153.7	149.0	149.0
85°	37.3	46.6	41.9	58.3	100.1	104.8	104.8	100.1	97.8	93.1	95.5
87.5°	11.7	20.9	25.6	32.6	51.2	53.6	55.9	55.9	55.9	58.3	58.3
90°	8.6	15.5	22.3	24.0	37.8	56.1	65.2	58.0	43.5	32.7	32.7
92.5°	34.3	92.7	151.1	165.7	233.0	322.7	367.4	322.0	231.3	163.2	156.7
95°	82.4	189.2	296.1	322.8	573.3	907.1	1074.1	958.4	727.2	553.7	534.1
97.5°	142.5	236.8	331.0	354.6	772.1	1328.9	1607.3	1534.2	1388.0	1278.4	1241.0
100°	188.9	274.4	359.8	381.2	844.6	1462.3	1771.2	1776.6	1787.3	1795.3	1750.8
102.5°	228.4	308.2	387.9	407.8	877.8	1504.3	1817.6	1910.6	2096.8	2236.5	2198.3
105°	295.3	362.9	430.4	447.3	902.4	1509.1	1812.4	2021.1	2438.6	2751.7	2731.2
107.5°	364.0	427.0	490.0	505.6	906.9	1441.9	1709.4	2000.6	2582.9	3019.6	3024.5
110°	410.4	467.3	524.1	538.3	900.1	1382.3	1623.5	1949.0	2600.0	3088.2	3109.6



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	455.9	510.1	564.2	577.8	900.4	1330.4	1545.4	1878.5	2544.8	3044.5	3077.3
115°	524.6	574.6	624.6	637.1	908.6	1270.7	1451.8	1772.7	2414.5	2895.9	2941.4
117.5°	592.4	637.8	683.2	694.6	925.6	1233.5	1387.5	1677.1	2256.2	2690.7	2741.2
120°	631.9	674.7	717.5	728.1	939.3	1220.9	1361.7	1626.3	2155.6	2552.5	2601.5
122.5°	670.6	713.7	756.8	767.6	959.0	1214.3	1341.9	1580.3	2056.8	2414.3	2462.6
125°	729.8	769.0	808.4	818.2	985.6	1208.9	1320.5	1522.9	1927.7	2231.4	2275.9
127.5°	777.8	817.5	857.2	867.1	1012.2	1205.7	1302.4	1476.2	1823.8	2084.5	2122.2
130°	803.6	846.4	889.2	899.8	1031.8	1207.7	1295.6	1450.3	1759.8	1991.9	2026.5
132.5°	830.2	873.0	915.8	926.4	1047.5	1208.9	1289.5	1428.0	1705.1	1912.8	1944.0
135°	869.7	908.6	947.6	957.3	1064.6	1207.7	1279.3	1395.3	1627.3	1801.3	1828.0
137.5°	910.1	948.6	987.2	996.8	1090.4	1215.1	1277.5	1375.6	1571.7	1718.8	1740.8
140°	943.6	979.1	1014.5	1023.4	1106.1	1216.4	1271.6	1356.3	1525.7	1652.8	1673.2
142.5°	969.3	1002.1	1035.0	1043.1	1119.3	1220.8	1271.6	1346.0	1494.7	1606.3	1624.0
145°	1008.8	1037.5	1066.1	1073.2	1136.5	1220.8	1262.9	1323.8	1445.6	1536.9	1550.2
147.5°	1048.3	1076.2	1104.0	1111.0	1161.6	1229.2	1262.9	1310.8	1406.6	1478.4	1489.5
150°	1074.1	1099.2	1124.4	1130.7	1174.7	1233.6	1262.9	1303.4	1384.3	1444.9	1453.9
152.5°	1100.7	1119.8	1138.9	1143.6	1183.4	1236.4	1262.9	1297.4	1366.5	1418.3	1425.1
155°	1140.1	1154.3	1168.4	1171.9	1202.3	1242.7	1262.9	1290.4	1345.3	1386.5	1391.0
157.5°	1169.3	1183.1	1196.9	1200.3	1221.2	1249.0	1262.9	1284.3	1327.1	1359.1	1362.2
160°	1189.1	1199.8	1210.4	1213.1	1229.7	1251.8	1262.9	1281.3	1317.9	1345.3	1347.2
162.5°	1208.9	1216.9	1224.8	1226.9	1238.9	1254.9	1262.9	1278.3	1309.3	1332.5	1334.2
165°	1230.4	1237.6	1244.8	1246.6	1252.0	1259.3	1262.9	1274.0	1296.2	1312.8	1314.6
167.5°	1250.1	1253.5	1257.0	1257.8	1262.4	1268.5	1271.6	1278.8	1293.3	1304.1	1304.9
170°	1262.9	1266.3	1269.8	1270.6	1270.9	1271.4	1271.6	1278.8	1293.3	1304.1	1304.1
172.5°	1269.8	1270.5	1271.4	1271.6	1271.6	1271.6	1271.6	1277.2	1288.7	1297.3	1296.6
175°	1279.3	1279.3	1279.3	1279.3	1276.7	1273.3	1271.6	1275.1	1282.4	1287.8	1287.8
177.5°	1279.3	1279.3	1279.3	1279.3	1277.2	1274.6	1273.2	1276.1	1281.8	1286.1	1285.4
180°	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2462.0	2462.0	2462.0	2462.0	2462.0	2462.0	2462.0	2462.0	2462.0	2462.0	2462.0
2.5°	2524.9	2517.9	2524.9	2520.2	2522.6	2515.6	2494.6	2487.6	2494.6	2501.5	2501.5
5°	2555.1	2550.5	2555.1	2555.1	2552.8	2548.2	2524.9	2520.2	2524.9	2527.2	2522.6
7.5°	2564.5	2557.5	2564.5	2559.8	2559.8	2555.1	2531.8	2527.2	2529.5	2536.5	2529.5
10°	2564.5	2557.5	2564.5	2562.1	2559.8	2555.1	2531.8	2522.6	2522.6	2529.5	2522.6
12.5°	2552.8	2548.2	2552.8	2548.2	2548.2	2543.5	2520.2	2510.9	2513.2	2515.6	2506.2
15°	2534.2	2527.2	2534.2	2529.5	2531.8	2524.9	2499.3	2489.9	2489.9	2494.6	2478.3
17.5°	2506.2	2497.0	2506.2	2503.9	2501.5	2497.0	2473.6	2464.3	2462.0	2464.3	2452.6
20°	2473.6	2466.7	2473.6	2471.3	2471.3	2462.0	2438.7	2427.0	2427.0	2427.0	2415.4
22.5°	2422.3	2415.4	2422.3	2427.0	2427.0	2424.7	2403.7	2387.5	2382.8	2382.8	2368.8
25°	2364.2	2357.2	2364.2	2364.2	2361.9	2364.2	2357.2	2347.8	2340.9	2333.9	2319.9
27.5°	2308.3	2303.6	2308.3	2303.6	2308.3	2301.3	2298.9	2296.6	2287.3	2280.3	2261.7
30°	2252.4	2247.7	2252.4	2247.7	2243.0	2238.3	2226.7	2222.1	2231.4	2226.7	2196.4
32.5°	2182.5	2177.8	2182.5	2182.5	2177.8	2177.8	2159.2	2152.2	2154.6	2168.5	2140.5
35°	2110.2	2103.3	2110.2	2107.9	2110.2	2103.3	2091.6	2089.3	2080.0	2096.3	2075.4
37.5°	2026.5	2019.4	2026.5	2026.5	2026.5	2031.0	2021.8	2014.8	2000.8	2021.8	2005.4
40°	1940.3	1930.9	1940.3	1937.9	1940.3	1944.9	1940.3	1935.6	1921.6	1937.9	1923.9
42.5°	1842.5	1840.1	1842.5	1844.8	1844.8	1854.0	1861.1	1851.7	1847.0	1835.4	1844.8
45°	1737.6	1733.0	1737.6	1742.2	1744.5	1749.2	1770.2	1770.2	1763.3	1744.5	1758.6
47.5°	1625.8	1614.1	1625.8	1639.7	1639.7	1646.7	1667.7	1684.1	1672.4	1649.1	1656.1
50°	1507.0	1509.3	1507.0	1516.3	1516.3	1541.9	1558.2	1574.6	1586.2	1558.2	1525.7
52.5°	1390.6	1388.2	1390.6	1397.6	1406.8	1418.5	1446.5	1462.7	1481.3	1465.1	1413.8
55°	1274.0	1278.7	1274.0	1276.4	1281.1	1288.1	1330.0	1346.3	1381.2	1360.3	1306.7
57.5°	1157.6	1150.6	1157.6	1162.3	1164.6	1171.6	1206.5	1236.8	1257.8	1260.1	1194.9
60°	1022.5	1013.2	1022.5	1043.5	1048.2	1052.8	1085.4	1113.3	1132.0	1139.0	1071.4
62.5°	903.7	887.4	903.7	917.7	927.1	938.7	961.9	1003.9	1020.2	1022.5	927.1
65°	777.9	771.0	777.9	805.9	808.2	822.3	847.9	878.1	913.0	908.4	771.0
67.5°	663.9	663.9	663.9	682.5	696.4	703.4	736.0	750.0	794.3	798.9	642.8
70°	559.0	556.7	559.0	573.0	582.3	598.6	628.9	645.2	680.1	691.8	521.7
72.5°	458.8	456.6	458.8	470.5	479.9	493.8	519.4	538.0	568.3	582.3	405.3
75°	370.4	365.7	370.4	379.7	377.4	396.0	416.9	435.5	463.5	472.8	300.5
77.5°	284.2	284.2	284.2	293.5	293.5	312.1	321.5	344.7	361.0	375.0	221.3
80°	212.0	209.6	212.0	214.3	214.3	223.6	239.9	256.2	270.2	270.2	151.4
82.5°	149.0	144.4	149.0	149.0	149.0	153.7	163.1	167.7	177.0	184.0	95.5
85°	93.1	93.1	93.1	95.5	93.1	97.8	100.1	104.8	104.8	100.1	58.3
87.5°	60.6	58.3	60.6	58.3	58.3	55.9	55.9	55.9	53.6	51.2	32.6
90°	32.7	32.7	32.7	32.7	32.7	43.5	58.0	65.2	56.1	37.8	24.0
92.5°	130.7	104.7	130.7	156.7	163.2	231.3	322.0	367.4	322.7	233.0	165.7
95°	455.5	376.9	455.5	534.1	553.7	727.2	958.4	1074.1	907.1	573.3	322.8
97.5°	1091.4	941.8	1091.4	1241.0	1278.4	1388.0	1534.2	1607.3	1328.9	772.1	354.6
100°	1572.6	1394.3	1572.6	1750.8	1795.3	1787.3	1776.6	1771.2	1462.3	844.6	381.2
102.5°	2045.7	1893.1	2045.7	2198.3	2236.5	2096.8	1910.6	1817.6	1504.3	877.8	407.8
105°	2649.1	2567.1	2649.1	2731.2	2751.7	2438.6	2021.1	1812.4	1509.1	902.4	447.3
107.5°	3044.4	3064.2	3044.4	3024.5	3019.6	2582.9	2000.6	1709.4	1441.9	906.9	505.6
110°	3195.0	3280.6	3195.0	3109.6	3088.2	2600.0	1949.0	1623.5	1382.3	900.1	538.3





TEST NUMBER: P936164

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3208.5	3339.8	3208.5	3077.3	3044.5	2544.8	1878.5	1545.4	1330.4	900.4	577.8
115°	3123.4	3305.4	3123.4	2941.4	2895.9	2414.5	1772.7	1451.8	1270.7	908.6	637.1
117.5°	2943.0	3144.9	2943.0	2741.2	2690.7	2256.2	1677.1	1387.5	1233.5	925.6	694.6
120°	2797.7	2993.8	2797.7	2601.5	2552.5	2155.6	1626.3	1361.7	1220.9	939.3	728.1
122.5°	2656.1	2849.5	2656.1	2462.6	2414.3	2056.8	1580.3	1341.9	1214.3	959.0	767.6
125°	2454.1	2632.3	2454.1	2275.9	2231.4	1927.7	1522.9	1320.5	1208.9	985.6	818.2
127.5°	2272.5	2422.9	2272.5	2122.2	2084.5	1823.8	1476.2	1302.4	1205.7	1012.2	867.1
130°	2165.5	2304.3	2165.5	2026.5	1991.9	1759.8	1450.3	1295.6	1207.7	1031.8	899.8
132.5°	2068.3	2192.7	2068.3	1944.0	1912.8	1705.1	1428.0	1289.5	1208.9	1047.5	926.4
135°	1935.3	2042.5	1935.3	1828.0	1801.3	1627.3	1395.3	1279.3	1207.7	1064.6	957.3
137.5°	1828.6	1916.3	1828.6	1740.8	1718.8	1571.7	1375.6	1277.5	1215.1	1090.4	996.8
140°	1755.3	1837.3	1755.3	1673.2	1652.8	1525.7	1356.3	1271.6	1216.4	1106.1	1023.4
142.5°	1694.6	1765.2	1694.6	1624.0	1606.3	1494.7	1346.0	1271.6	1220.8	1119.3	1043.1
145°	1603.6	1657.0	1603.6	1550.2	1536.9	1445.6	1323.8	1262.9	1220.8	1136.5	1073.2
147.5°	1533.7	1578.1	1533.7	1489.5	1478.4	1406.6	1310.8	1262.9	1229.2	1161.6	1111.0
150°	1489.8	1525.7	1489.8	1453.9	1444.9	1384.3	1303.4	1262.9	1233.6	1174.7	1130.7
152.5°	1452.2	1479.3	1452.2	1425.1	1418.3	1366.5	1297.4	1262.9	1236.4	1183.4	1143.6
155°	1408.9	1426.9	1408.9	1391.0	1386.5	1345.3	1290.4	1262.9	1242.7	1202.3	1171.9
157.5°	1374.9	1387.5	1374.9	1362.2	1359.1	1327.1	1284.3	1262.9	1249.0	1221.2	1200.3
160°	1354.4	1361.7	1354.4	1347.2	1345.3	1317.9	1281.3	1262.9	1251.8	1229.7	1213.1
162.5°	1341.0	1347.9	1341.0	1334.2	1332.5	1309.3	1278.3	1262.9	1254.9	1238.9	1226.9
165°	1321.8	1329.0	1321.8	1314.6	1312.8	1296.2	1274.0	1262.9	1259.3	1252.0	1246.6
167.5°	1308.0	1311.0	1308.0	1304.9	1304.1	1293.3	1278.8	1271.6	1268.5	1262.4	1257.8
170°	1304.1	1304.1	1304.1	1304.1	1304.1	1293.3	1278.8	1271.6	1271.4	1270.9	1270.6
172.5°	1293.9	1291.3	1293.9	1296.6	1297.3	1288.7	1277.2	1271.6	1271.6	1271.6	1271.6
175°	1287.8	1287.8	1287.8	1287.8	1287.8	1282.4	1275.1	1271.6	1273.3	1276.7	1279.3
177.5°	1282.3	1279.3	1282.3	1285.4	1286.1	1281.8	1276.1	1273.2	1274.6	1277.2	1279.3
180°	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3



TEST NUMBER: P936164

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2462.0	2462.0	2462.0	2462.0	2462.0	2462.0	2462.0	2462.0	2462.0	2462.0	2462.0
2.5°	2497.0	2482.9	2482.9	2459.7	2450.3	2443.4	2431.7	2396.7	2387.5	2378.1	2392.1
5°	2517.9	2492.3	2473.6	2431.7	2396.7	2382.8	2338.6	2254.7	2198.8	2156.9	2133.5
7.5°	2522.6	2489.9	2455.0	2389.8	2305.9	2268.6	2133.5	1979.8	1937.9	1900.6	1877.3
10°	2517.9	2480.6	2431.7	2333.9	2135.9	2070.7	1935.6	1835.4	1809.8	1802.8	1809.8
12.5°	2501.5	2466.7	2399.1	2236.1	1958.9	1914.6	1835.4	1777.2	1772.5	1784.2	1847.0
15°	2473.6	2441.0	2361.9	2105.7	1861.1	1828.4	1772.5	1751.6	1777.2	1858.7	2047.4
17.5°	2445.7	2408.4	2310.6	1977.5	1786.5	1763.3	1723.6	1765.6	1910.0	2019.4	2082.3
20°	2408.4	2364.2	2252.4	1884.3	1733.0	1712.0	1693.3	1882.0	1991.5	2031.0	2066.0
22.5°	2364.2	2317.5	2173.2	1819.1	1677.0	1660.8	1672.4	1947.3	1991.5	2019.4	2049.7
25°	2305.9	2266.3	2080.0	1767.8	1632.8	1614.1	1658.4	1940.3	1965.9	1972.9	2033.4
27.5°	2252.4	2201.1	1982.1	1721.3	1579.2	1572.2	1670.0	1910.0	1928.6	1935.6	2000.8
30°	2187.1	2110.2	1872.6	1672.4	1523.3	1521.0	1672.4	1872.6	1868.1	1886.7	1951.8
32.5°	2119.6	1975.2	1749.2	1611.8	1469.8	1467.4	1656.1	1816.8	1812.2	1837.8	1886.7
35°	2056.7	1870.4	1581.6	1541.9	1402.1	1404.5	1616.5	1751.6	1753.9	1777.2	1807.5
37.5°	1991.5	1779.5	1397.6	1465.1	1337.0	1337.0	1562.9	1691.0	1686.4	1693.3	1735.3
40°	1914.6	1637.4	1234.5	1364.9	1276.4	1269.4	1497.7	1625.8	1609.5	1607.2	1665.4
42.5°	1833.1	1481.3	1113.3	1232.2	1206.5	1197.2	1418.5	1546.6	1516.3	1523.3	1597.8
45°	1744.5	1439.5	1020.2	1041.1	1134.4	1127.3	1332.3	1455.7	1434.8	1453.4	1530.3
47.5°	1656.1	1355.6	989.9	864.1	1057.5	1055.2	1236.8	1367.3	1355.6	1374.2	1455.7
50°	1534.9	1262.5	987.6	740.7	971.3	980.6	1122.7	1281.1	1281.1	1297.3	1383.5
52.5°	1378.9	1148.3	896.8	670.8	871.2	899.1	1022.5	1206.5	1211.2	1227.5	1304.3
55°	1236.8	1029.5	831.5	617.2	752.3	812.9	924.7	1129.7	1139.0	1155.3	1225.1
57.5°	1106.4	857.1	817.6	554.4	642.8	701.1	838.5	1055.2	1059.8	1073.8	1141.3
60°	966.6	619.5	750.0	486.8	547.4	591.6	759.3	966.6	982.9	992.2	1050.5
62.5°	808.2	449.6	680.1	440.2	500.8	510.1	694.1	882.7	903.7	910.7	945.7
65°	575.3	377.4	577.7	400.7	451.9	454.2	624.2	796.6	815.2	826.8	852.5
67.5°	389.0	307.4	440.2	363.3	414.6	416.9	556.7	696.4	722.0	731.4	747.6
70°	270.2	205.0	326.1	323.8	372.7	377.4	484.5	605.6	628.9	635.9	645.2
72.5°	197.9	165.4	270.2	291.2	328.4	333.1	409.9	503.1	526.4	533.4	538.0
75°	151.4	174.7	219.0	253.9	279.5	281.8	335.4	409.9	426.3	430.9	433.2
77.5°	121.1	163.1	160.7	205.0	228.2	223.6	263.2	316.8	330.7	330.7	330.7
80°	90.9	128.1	121.1	146.7	167.7	163.1	188.7	225.9	230.6	235.2	232.9
82.5°	67.5	81.5	81.5	93.1	111.8	107.2	125.8	146.7	146.7	146.7	151.4
85°	41.9	46.6	37.3	48.9	62.9	60.6	69.8	79.2	81.5	81.5	76.9
87.5°	25.6	20.9	11.7	18.6	28.0	28.0	32.6	35.0	32.6	32.6	32.6
90°	22.3	15.5	8.6	15.5	22.3	24.0	37.8	56.1	65.2	58.0	43.5
92.5°	151.1	92.7	34.3	92.7	151.1	165.7	233.0	322.7	367.4	322.0	231.3
95°	296.1	189.2	82.4	189.2	296.1	322.8	573.3	907.1	1074.1	958.4	727.2
97.5°	331.0	236.8	142.5	236.8	331.0	354.6	772.1	1328.9	1607.3	1534.2	1388.0
100°	359.8	274.4	188.9	274.4	359.8	381.2	844.6	1462.3	1771.2	1776.6	1787.3
102.5°	387.9	308.2	228.4	308.2	387.9	407.8	877.8	1504.3	1817.6	1910.6	2096.8
105°	430.4	362.9	295.3	362.9	430.4	447.3	902.4	1509.1	1812.4	2021.1	2438.6
107.5°	490.0	427.0	364.0	427.0	490.0	505.6	906.9	1441.9	1709.4	2000.6	2582.9
110°	524.1	467.3	410.4	467.3	524.1	538.3	900.1	1382.3	1623.5	1949.0	2600.0



TEST NUMBER: P936164

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	564.2	510.1	455.9	510.1	564.2	577.8	900.4	1330.4	1545.4	1878.5	2544.8
115°	624.6	574.6	524.6	574.6	624.6	637.1	908.6	1270.7	1451.8	1772.7	2414.5
117.5°	683.2	637.8	592.4	637.8	683.2	694.6	925.6	1233.5	1387.5	1677.1	2256.2
120°	717.5	674.7	631.9	674.7	717.5	728.1	939.3	1220.9	1361.7	1626.3	2155.6
122.5°	756.8	713.7	670.6	713.7	756.8	767.6	959.0	1214.3	1341.9	1580.3	2056.8
125°	808.4	769.0	729.8	769.0	808.4	818.2	985.6	1208.9	1320.5	1522.9	1927.7
127.5°	857.2	817.5	777.8	817.5	857.2	867.1	1012.2	1205.7	1302.4	1476.2	1823.8
130°	889.2	846.4	803.6	846.4	889.2	899.8	1031.8	1207.7	1295.6	1450.3	1759.8
132.5°	915.8	873.0	830.2	873.0	915.8	926.4	1047.5	1208.9	1289.5	1428.0	1705.1
135°	947.6	908.6	869.7	908.6	947.6	957.3	1064.6	1207.7	1279.3	1395.3	1627.3
137.5°	987.2	948.6	910.1	948.6	987.2	996.8	1090.4	1215.1	1277.5	1375.6	1571.7
140°	1014.5	979.1	943.6	979.1	1014.5	1023.4	1106.1	1216.4	1271.6	1356.3	1525.7
142.5°	1035.0	1002.1	969.3	1002.1	1035.0	1043.1	1119.3	1220.8	1271.6	1346.0	1494.7
145°	1066.1	1037.5	1008.8	1037.5	1066.1	1073.2	1136.5	1220.8	1262.9	1323.8	1445.6
147.5°	1104.0	1076.2	1048.3	1076.2	1104.0	1111.0	1161.6	1229.2	1262.9	1310.8	1406.6
150°	1124.4	1099.2	1074.1	1099.2	1124.4	1130.7	1174.7	1233.6	1262.9	1303.4	1384.3
152.5°	1138.9	1119.8	1100.7	1119.8	1138.9	1143.6	1183.4	1236.4	1262.9	1297.4	1366.5
155°	1168.4	1154.3	1140.1	1154.3	1168.4	1171.9	1202.3	1242.7	1262.9	1290.4	1345.3
157.5°	1196.9	1183.1	1169.3	1183.1	1196.9	1200.3	1221.2	1249.0	1262.9	1284.3	1327.1
160°	1210.4	1199.8	1189.1	1199.8	1210.4	1213.1	1229.7	1251.8	1262.9	1281.3	1317.9
162.5°	1224.8	1216.9	1208.9	1216.9	1224.8	1226.9	1238.9	1254.9	1262.9	1278.3	1309.3
165°	1244.8	1237.6	1230.4	1237.6	1244.8	1246.6	1252.0	1259.3	1262.9	1274.0	1296.2
167.5°	1257.0	1253.5	1250.1	1253.5	1257.0	1257.8	1262.4	1268.5	1271.6	1278.8	1293.3
170°	1269.8	1266.3	1262.9	1266.3	1269.8	1270.6	1270.9	1271.4	1271.6	1278.8	1293.3
172.5°	1271.4	1270.5	1269.8	1270.5	1271.4	1271.6	1271.6	1271.6	1271.6	1277.2	1288.7
175°	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1276.7	1273.3	1271.6	1275.1	1282.4
177.5°	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1277.2	1274.6	1273.2	1276.1	1281.8
180°	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3



TEST NUMBER: P936164

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2462.0	2462.0	2462.0	2462.0	2462.0	2462.0	2462.0	2462.0	2462.0	2462.0	2462.0
2.5°	2375.8	2368.8	2378.1	2352.5	2378.1	2368.8	2375.8	2392.1	2378.1	2387.5	2396.7
5°	2084.6	2073.0	2035.7	2005.4	2035.7	2073.0	2084.6	2133.5	2156.9	2198.8	2254.7
7.5°	1863.4	1854.0	1844.8	1826.1	1844.8	1854.0	1863.4	1877.3	1900.6	1937.9	1979.8
10°	1814.5	1816.8	1830.8	1828.4	1830.8	1816.8	1814.5	1809.8	1802.8	1809.8	1835.4
12.5°	1940.3	1961.2	2038.1	2033.4	2038.1	1961.2	1940.3	1847.0	1784.2	1772.5	1777.2
15°	2084.6	2091.6	2107.9	2110.2	2107.9	2091.6	2084.6	2047.4	1858.7	1777.2	1751.6
17.5°	2098.6	2101.0	2112.6	2112.6	2112.6	2101.0	2098.6	2082.3	2019.4	1910.0	1765.6
20°	2087.0	2091.6	2114.9	2119.6	2114.9	2091.6	2087.0	2066.0	2031.0	1991.5	1882.0
22.5°	2082.3	2091.6	2110.2	2107.9	2110.2	2091.6	2082.3	2049.7	2019.4	1991.5	1947.3
25°	2059.0	2059.0	2061.3	2063.7	2061.3	2059.0	2059.0	2033.4	1972.9	1965.9	1940.3
27.5°	2010.1	2014.8	2028.7	2026.5	2028.7	2014.8	2010.1	2000.8	1935.6	1928.6	1910.0
30°	1965.9	1961.2	1949.6	1940.3	1949.6	1961.2	1965.9	1951.8	1886.7	1868.1	1872.6
32.5°	1891.4	1879.7	1868.1	1861.1	1868.1	1879.7	1891.4	1886.7	1837.8	1812.2	1816.8
35°	1802.8	1805.1	1802.8	1795.8	1802.8	1805.1	1802.8	1807.5	1777.2	1753.9	1751.6
37.5°	1739.9	1744.5	1742.2	1733.0	1742.2	1744.5	1739.9	1735.3	1693.3	1686.4	1691.0
40°	1674.7	1677.0	1674.7	1667.7	1674.7	1677.0	1674.7	1665.4	1607.2	1609.5	1625.8
42.5°	1611.8	1609.5	1602.5	1597.8	1602.5	1609.5	1611.8	1597.8	1523.3	1516.3	1546.6
45°	1539.6	1541.9	1528.0	1521.0	1528.0	1541.9	1539.6	1530.3	1453.4	1434.8	1455.7
47.5°	1467.4	1467.4	1455.7	1448.8	1455.7	1467.4	1467.4	1455.7	1374.2	1355.6	1367.3
50°	1390.6	1388.2	1372.0	1369.6	1372.0	1388.2	1390.6	1383.5	1297.3	1281.1	1281.1
52.5°	1302.0	1302.0	1304.3	1309.0	1304.3	1302.0	1302.0	1304.3	1227.5	1211.2	1206.5
55°	1225.1	1227.5	1243.8	1248.4	1243.8	1227.5	1225.1	1225.1	1155.3	1139.0	1129.7
57.5°	1146.0	1146.0	1157.6	1157.6	1157.6	1146.0	1146.0	1141.3	1073.8	1059.8	1055.2
60°	1055.2	1059.8	1069.1	1066.8	1069.1	1059.8	1055.2	1050.5	992.2	982.9	966.6
62.5°	959.6	964.3	966.6	961.9	966.6	964.3	959.6	945.7	910.7	903.7	882.7
65°	859.5	864.1	866.5	861.8	866.5	864.1	859.5	852.5	826.8	815.2	796.6
67.5°	757.0	754.6	752.3	761.7	752.3	754.6	757.0	747.6	731.4	722.0	696.4
70°	652.2	652.2	649.8	654.5	649.8	652.2	652.2	645.2	635.9	628.9	605.6
72.5°	540.3	538.0	547.4	540.3	547.4	538.0	540.3	538.0	533.4	526.4	503.1
75°	430.9	435.5	430.9	437.9	430.9	435.5	430.9	433.2	430.9	426.3	409.9
77.5°	328.4	333.1	328.4	328.4	328.4	333.1	328.4	330.7	330.7	330.7	316.8
80°	232.9	230.6	230.6	228.2	230.6	230.6	232.9	232.9	235.2	230.6	225.9
82.5°	149.0	146.7	146.7	151.4	146.7	146.7	149.0	151.4	146.7	146.7	146.7
85°	81.5	83.9	79.2	79.2	79.2	83.9	81.5	76.9	81.5	81.5	79.2
87.5°	30.3	28.0	28.0	28.0	28.0	28.0	30.3	32.6	32.6	32.6	35.0
90°	32.7	32.7	32.7	32.7	32.7	32.7	32.7	43.5	58.0	65.2	56.1
92.5°	163.2	156.7	130.7	104.7	130.7	156.7	163.2	231.3	322.0	367.4	322.7
95°	553.7	534.1	455.5	376.9	455.5	534.1	553.7	727.2	958.4	1074.1	907.1
97.5°	1278.4	1241.0	1091.4	941.8	1091.4	1241.0	1278.4	1388.0	1534.2	1607.3	1328.9
100°	1795.3	1750.8	1572.6	1394.3	1572.6	1750.8	1795.3	1787.3	1776.6	1771.2	1462.3
102.5°	2236.5	2198.3	2045.7	1893.1	2045.7	2198.3	2236.5	2096.8	1910.6	1817.6	1504.3
105°	2751.7	2731.2	2649.1	2567.1	2649.1	2731.2	2751.7	2438.6	2021.1	1812.4	1509.1
107.5°	3019.6	3024.5	3044.4	3064.2	3044.4	3024.5	3019.6	2582.9	2000.6	1709.4	1441.9
110°	3088.2	3109.6	3195.0	3280.6	3195.0	3109.6	3088.2	2600.0	1949.0	1623.5	1382.3



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3044.5	3077.3	3208.5	3339.8	3208.5	3077.3	3044.5	2544.8	1878.5	1545.4	1330.4
115°	2895.9	2941.4	3123.4	3305.4	3123.4	2941.4	2895.9	2414.5	1772.7	1451.8	1270.7
117.5°	2690.7	2741.2	2943.0	3144.9	2943.0	2741.2	2690.7	2256.2	1677.1	1387.5	1233.5
120°	2552.5	2601.5	2797.7	2993.8	2797.7	2601.5	2552.5	2155.6	1626.3	1361.7	1220.9
122.5°	2414.3	2462.6	2656.1	2849.5	2656.1	2462.6	2414.3	2056.8	1580.3	1341.9	1214.3
125°	2231.4	2275.9	2454.1	2632.3	2454.1	2275.9	2231.4	1927.7	1522.9	1320.5	1208.9
127.5°	2084.5	2122.2	2272.5	2422.9	2272.5	2122.2	2084.5	1823.8	1476.2	1302.4	1205.7
130°	1991.9	2026.5	2165.5	2304.3	2165.5	2026.5	1991.9	1759.8	1450.3	1295.6	1207.7
132.5°	1912.8	1944.0	2068.3	2192.7	2068.3	1944.0	1912.8	1705.1	1428.0	1289.5	1208.9
135°	1801.3	1828.0	1935.3	2042.5	1935.3	1828.0	1801.3	1627.3	1395.3	1279.3	1207.7
137.5°	1718.8	1740.8	1828.6	1916.3	1828.6	1740.8	1718.8	1571.7	1375.6	1277.5	1215.1
140°	1652.8	1673.2	1755.3	1837.3	1755.3	1673.2	1652.8	1525.7	1356.3	1271.6	1216.4
142.5°	1606.3	1624.0	1694.6	1765.2	1694.6	1624.0	1606.3	1494.7	1346.0	1271.6	1220.8
145°	1536.9	1550.2	1603.6	1657.0	1603.6	1550.2	1536.9	1445.6	1323.8	1262.9	1220.8
147.5°	1478.4	1489.5	1533.7	1578.1	1533.7	1489.5	1478.4	1406.6	1310.8	1262.9	1229.2
150°	1444.9	1453.9	1489.8	1525.7	1489.8	1453.9	1444.9	1384.3	1303.4	1262.9	1233.6
152.5°	1418.3	1425.1	1452.2	1479.3	1452.2	1425.1	1418.3	1366.5	1297.4	1262.9	1236.4
155°	1386.5	1391.0	1408.9	1426.9	1408.9	1391.0	1386.5	1345.3	1290.4	1262.9	1242.7
157.5°	1359.1	1362.2	1374.9	1387.5	1374.9	1362.2	1359.1	1327.1	1284.3	1262.9	1249.0
160°	1345.3	1347.2	1354.4	1361.7	1354.4	1347.2	1345.3	1317.9	1281.3	1262.9	1251.8
162.5°	1332.5	1334.2	1341.0	1347.9	1341.0	1334.2	1332.5	1309.3	1278.3	1262.9	1254.9
165°	1312.8	1314.6	1321.8	1329.0	1321.8	1314.6	1312.8	1296.2	1274.0	1262.9	1259.3
167.5°	1304.1	1304.9	1308.0	1311.0	1308.0	1304.9	1304.1	1293.3	1278.8	1271.6	1268.5
170°	1304.1	1304.1	1304.1	1304.1	1304.1	1304.1	1304.1	1293.3	1278.8	1271.6	1271.4
172.5°	1297.3	1296.6	1293.9	1291.3	1293.9	1296.6	1297.3	1288.7	1277.2	1271.6	1271.6
175°	1287.8	1287.8	1287.8	1287.8	1287.8	1287.8	1287.8	1282.4	1275.1	1271.6	1273.3
177.5°	1286.1	1285.4	1282.3	1279.3	1282.3	1285.4	1286.1	1281.8	1276.1	1273.2	1274.6
180°	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2462.0	2462.0	2462.0	2462.0	2462.0
2.5°	2431.7	2443.4	2450.3	2459.7	2482.9
5°	2338.6	2382.8	2396.7	2431.7	2473.6
7.5°	2133.5	2268.6	2305.9	2389.8	2455.0
10°	1935.6	2070.7	2135.9	2333.9	2431.7
12.5°	1835.4	1914.6	1958.9	2236.1	2399.1
15°	1772.5	1828.4	1861.1	2105.7	2361.9
17.5°	1723.6	1763.3	1786.5	1977.5	2310.6
20°	1693.3	1712.0	1733.0	1884.3	2252.4
22.5°	1672.4	1660.8	1677.0	1819.1	2173.2
25°	1658.4	1614.1	1632.8	1767.8	2080.0
27.5°	1670.0	1572.2	1579.2	1721.3	1982.1
30°	1672.4	1521.0	1523.3	1672.4	1872.6
32.5°	1656.1	1467.4	1469.8	1611.8	1749.2
35°	1616.5	1404.5	1402.1	1541.9	1581.6
37.5°	1562.9	1337.0	1337.0	1465.1	1397.6
40°	1497.7	1269.4	1276.4	1364.9	1234.5
42.5°	1418.5	1197.2	1206.5	1232.2	1113.3
45°	1332.3	1127.3	1134.4	1041.1	1020.2
47.5°	1236.8	1055.2	1057.5	864.1	989.9
50°	1122.7	980.6	971.3	740.7	987.6
52.5°	1022.5	899.1	871.2	670.8	896.8
55°	924.7	812.9	752.3	617.2	831.5
57.5°	838.5	701.1	642.8	554.4	817.6
60°	759.3	591.6	547.4	486.8	750.0
62.5°	694.1	510.1	500.8	440.2	680.1
65°	624.2	454.2	451.9	400.7	577.7
67.5°	556.7	416.9	414.6	363.3	440.2
70°	484.5	377.4	372.7	323.8	326.1
72.5°	409.9	333.1	328.4	291.2	270.2
75°	335.4	281.8	279.5	253.9	219.0
77.5°	263.2	223.6	228.2	205.0	160.7
80°	188.7	163.1	167.7	146.7	121.1
82.5°	125.8	107.2	111.8	93.1	81.5
85°	69.8	60.6	62.9	48.9	37.3
87.5°	32.6	28.0	28.0	18.6	11.7
90°	37.8	24.0	22.3	15.5	8.6
92.5°	233.0	165.7	151.1	92.7	34.3
95°	573.3	322.8	296.1	189.2	82.4
97.5°	772.1	354.6	331.0	236.8	142.5
100°	844.6	381.2	359.8	274.4	188.9
102.5°	877.8	407.8	387.9	308.2	228.4
105°	902.4	447.3	430.4	362.9	295.3
107.5°	906.9	505.6	490.0	427.0	364.0
110°	900.1	538.3	524.1	467.3	410.4



TEST NUMBER: P936164

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	900.4	577.8	564.2	510.1	455.9
115°	908.6	637.1	624.6	574.6	524.6
117.5°	925.6	694.6	683.2	637.8	592.4
120°	939.3	728.1	717.5	674.7	631.9
122.5°	959.0	767.6	756.8	713.7	670.6
125°	985.6	818.2	808.4	769.0	729.8
127.5°	1012.2	867.1	857.2	817.5	777.8
130°	1031.8	899.8	889.2	846.4	803.6
132.5°	1047.5	926.4	915.8	873.0	830.2
135°	1064.6	957.3	947.6	908.6	869.7
137.5°	1090.4	996.8	987.2	948.6	910.1
140°	1106.1	1023.4	1014.5	979.1	943.6
142.5°	1119.3	1043.1	1035.0	1002.1	969.3
145°	1136.5	1073.2	1066.1	1037.5	1008.8
147.5°	1161.6	1111.0	1104.0	1076.2	1048.3
150°	1174.7	1130.7	1124.4	1099.2	1074.1
152.5°	1183.4	1143.6	1138.9	1119.8	1100.7
155°	1202.3	1171.9	1168.4	1154.3	1140.1
157.5°	1221.2	1200.3	1196.9	1183.1	1169.3
160°	1229.7	1213.1	1210.4	1199.8	1189.1
162.5°	1238.9	1226.9	1224.8	1216.9	1208.9
165°	1252.0	1246.6	1244.8	1237.6	1230.4
167.5°	1262.4	1257.8	1257.0	1253.5	1250.1
170°	1270.9	1270.6	1269.8	1266.3	1262.9
172.5°	1271.6	1271.6	1271.4	1270.5	1269.8
175°	1276.7	1279.3	1279.3	1279.3	1279.3
177.5°	1277.2	1279.3	1279.3	1279.3	1279.3
180°	1279.3	1279.3	1279.3	1279.3	1279.3



TEST NUMBER: P936164  
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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	13.63	14.44	14.64	15.46	16.82	16.46	17.26	17.47	18.28	19.65
	3H	14.11	14.83	15.13	15.86	17.24	17.80	18.52	18.82	19.55	20.93
	4H	14.29	14.98	15.33	16.01	17.40	18.24	18.92	19.27	19.95	21.34
	6H	14.41	15.04	15.45	16.08	17.48	18.52	19.15	19.56	20.18	21.59
	8H	14.41	15.01	15.46	16.06	17.46	18.59	19.19	19.64	20.24	21.64
	12H	14.38	14.95	15.43	16.00	17.42	18.63	19.20	19.68	20.24	21.66
4H	2H	14.66	15.34	15.70	16.37	17.76	16.86	17.54	17.90	18.58	19.97
	3H	15.68	16.25	16.73	17.31	18.71	18.36	18.93	19.41	19.99	21.39
	4H	15.95	16.48	17.01	17.53	18.95	18.88	19.41	19.94	20.46	21.88
	6H	16.08	16.52	17.14	17.60	19.02	19.24	19.69	20.31	20.77	22.19
	8H	16.08	16.50	17.15	17.57	19.00	19.35	19.77	20.41	20.84	22.27
	12H	16.04	16.42	17.13	17.50	18.94	19.40	19.78	20.49	20.86	22.30
8H	4H	16.40	16.82	17.47	17.89	19.32	19.00	19.42	20.07	20.49	21.92
	6H	16.66	17.01	17.75	18.12	19.55	19.44	19.78	20.53	20.89	22.32
	8H	16.70	17.01	17.80	18.10	19.55	19.59	19.89	20.68	20.98	22.43
	12H	16.68	16.95	17.78	18.04	19.53	19.68	19.95	20.78	21.04	22.53
12H	4H	16.40	16.78	17.49	17.86	19.30	18.97	19.34	20.05	20.43	21.87
	6H	16.72	17.02	17.82	18.12	19.57	19.43	19.74	20.53	20.83	22.28
	8H	16.78	17.05	17.88	18.14	19.63	19.59	19.86	20.69	20.95	22.44