

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: P935766

Luminaire Tested: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935766
REPORT IS A COMBINATION OF REPORTS P933768 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

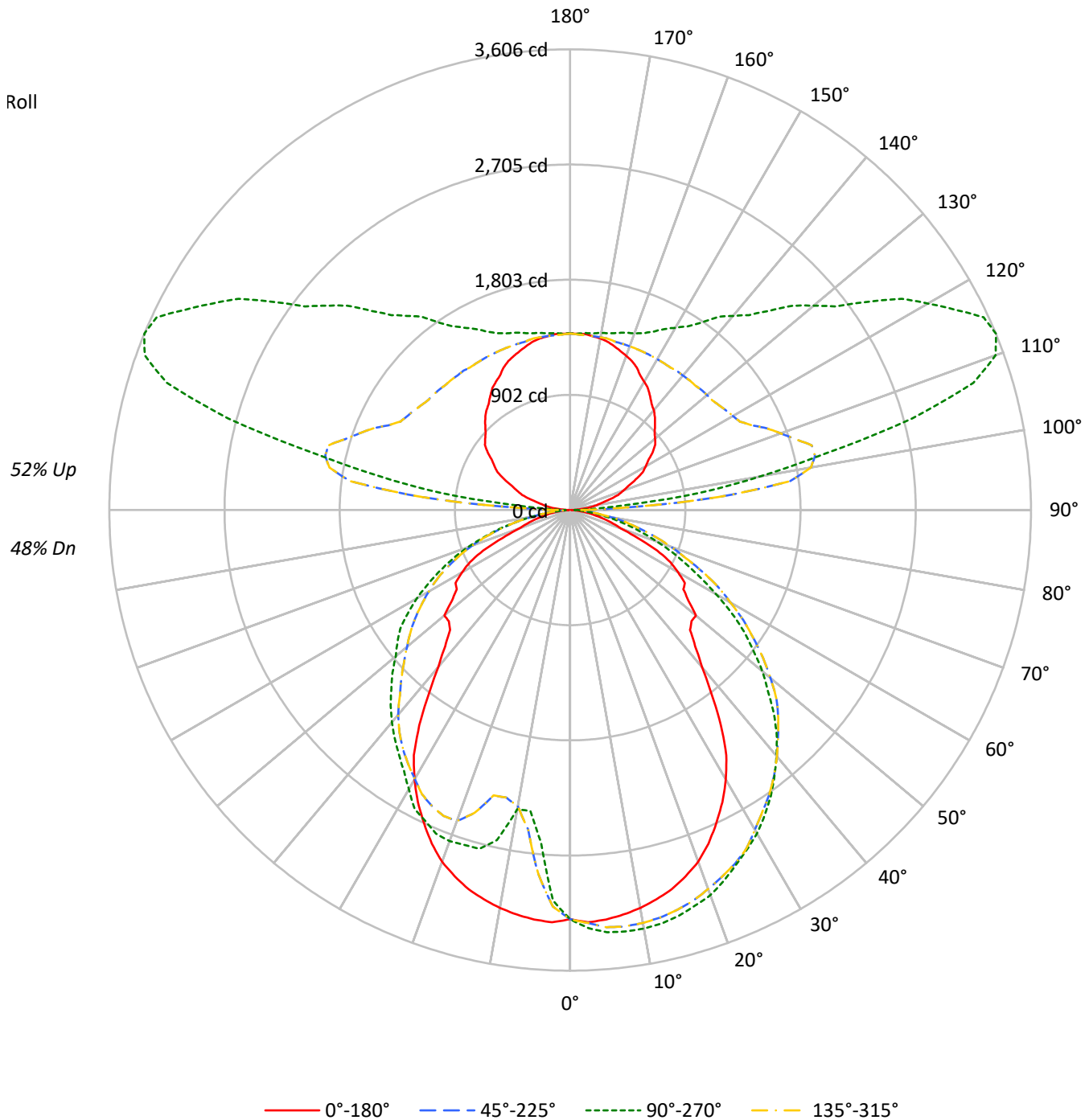
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17264.3 lumens
Efficiency: N/A
Efficacy: 114.8 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): 150.4
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

TEST NUMBER: P935766
CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-3500K

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48
1	97	93	89	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	41	39	34
3	81	71	64	58	74	66	60	55	56	51	47	46	43	40	38	35	33	29
4	74	63	55	49	68	59	52	46	50	44	40	41	37	34	34	31	28	25
5	68	56	48	42	62	52	45	40	44	39	35	37	33	30	30	27	25	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19
7	58	45	38	32	53	42	35	30	36	31	26	30	26	23	25	22	19	17
8	54	41	34	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	16	13
10	47	34	27	22	43	32	26	21	28	22	19	24	19	16	20	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14859	14859	14859	14859
5°	14970	15000	14970	11794
10°	14870	14775	14870	10564
15°	14708	14455	14708	12071
20°	14401	14076	14401	12096
25°	13771	13523	13771	11839
30°	12958	13064	12958	11277
35°	11551	12483	11551	10658
40°	9625	11799	9625	10191
45°	8600	10999	8600	9653
50°	9137	10044	9137	9115
55°	8596	9016	8596	8802
60°	8861	7657	8861	8062
65°	8034	6330	8034	7076
70°	5563	5044	5563	5931
75°	4878	3729	4878	4465
80°	3932	2465	3932	2685
85°	2254	1306	2254	1111

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13181 cd/sqm



TEST NUMBER: P935766

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.1	1.7
10°-20°	820.8	4.8
20°-30°	1268.9	7.3
30°-40°	1514.7	8.8
40°-50°	1523.6	8.8
50°-60°	1325.7	7.7
60°-70°	940.0	5.4
70°-80°	497.3	2.9
80°-90°	129.1	0.7
90°-100°	673.4	3.9
100°-110°	1770.3	10.3
110°-120°	1835.6	10.6
120°-130°	1472.4	8.5
130°-140°	1155.3	6.7
140°-150°	886.7	5.1
150°-160°	638.6	3.7
160°-170°	390.7	2.3
170°-180°	132.0	0.8
0°-30°	2378.8	13.8
0°-40°	3893.5	22.6
0°-60°	6742.9	39.1
0°-90°	8309.3	48.1
90°-120°	4279.3	24.8
90°-150°	7793.7	45.1
90°-180°	8955.0	51.9
0°-180°	17264.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3203	3203	3203	3203	3203	
5°	3218	3318	3218	2609	3218	305
15°	3072	3288	3072	2745	3072	864
25°	2706	3066	2706	2685	2706	1242
35°	2057	2736	2057	2336	2057	1273
45°	1327	2254	1327	1978	1327	1063
55°	1082	1664	1082	1624	1082	994
65°	751	1003	751	1121	751	718
75°	285	476	285	570	285	299
85°	48	121	48	103	48	65
90°	9	35	9	35	9	10
95°	89	407	89	407	89	99
105°	319	2772	319	2772	319	338
115°	566	3569	566	3569	566	559
125°	788	2842	788	2842	788	700
135°	939	2206	939	2206	939	727
145°	1089	1789	1089	1789	1089	682
155°	1231	1541	1231	1541	1231	566
165°	1329	1435	1329	1435	1329	375
175°	1381	1391	1381	1391	1381	131
180°	1381	1381	1381	1381	1381	



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CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7
2.5°	3229.9	3229.9	3248.1	3254.2	3254.2	3245.1	3236.0	3245.1	3272.4	3281.5	3278.5
5°	3217.8	3242.1	3275.4	3281.5	3287.5	3284.5	3278.5	3284.5	3314.8	3320.9	3323.9
7.5°	3193.6	3239.1	3281.5	3290.5	3299.7	3290.5	3287.5	3293.6	3323.9	3329.9	3329.9
10°	3163.3	3227.0	3275.4	3281.5	3290.5	3281.5	3281.5	3293.6	3323.9	3329.9	3333.0
12.5°	3120.9	3208.7	3254.2	3260.3	3272.4	3269.3	3266.4	3278.5	3308.7	3314.8	3314.8
15°	3072.4	3175.4	3217.8	3223.9	3245.1	3239.1	3239.1	3251.1	3284.5	3293.6	3290.5
17.5°	3005.7	3133.0	3181.5	3190.5	3205.8	3202.7	3205.8	3217.8	3248.1	3254.2	3257.2
20°	2930.0	3075.4	3133.0	3142.1	3157.2	3157.2	3157.2	3172.4	3202.7	3214.8	3214.8
22.5°	2826.9	3014.9	3075.4	3081.5	3099.7	3099.7	3105.7	3127.0	3154.2	3157.2	3157.2
25°	2705.8	2948.2	2999.7	3017.8	3036.0	3045.1	3054.3	3066.4	3075.4	3072.4	3075.4
27.5°	2578.5	2863.3	2930.0	2942.1	2966.3	2975.5	2987.6	2990.6	2993.7	3002.7	2996.6
30°	2436.1	2745.2	2845.1	2857.3	2896.7	2902.7	2890.6	2896.7	2911.8	2917.9	2923.9
32.5°	2275.5	2569.5	2757.3	2784.6	2820.9	2802.8	2799.7	2808.8	2833.0	2833.0	2839.1
35°	2057.3	2433.1	2675.5	2699.7	2726.9	2705.8	2717.9	2720.9	2736.1	2745.2	2742.2
37.5°	1818.0	2314.9	2590.7	2608.8	2630.1	2602.8	2620.9	2630.1	2642.2	2636.1	2636.1
40°	1605.9	2130.0	2490.7	2502.8	2520.9	2499.7	2517.9	2524.0	2530.1	2524.0	2520.9
42.5°	1448.3	1927.1	2384.6	2399.7	2387.6	2402.7	2408.8	2420.9	2411.9	2399.7	2399.7
45°	1327.1	1872.5	2269.4	2287.6	2269.4	2293.7	2302.8	2302.8	2275.5	2269.4	2266.4
47.5°	1287.7	1763.4	2154.3	2154.3	2145.3	2175.5	2190.6	2169.4	2142.2	2133.1	2133.1
50°	1284.7	1642.3	1996.7	1984.6	2027.1	2063.4	2048.3	2027.1	2005.9	1972.6	1972.6
52.5°	1166.5	1493.7	1793.8	1839.2	1905.9	1927.1	1902.8	1881.6	1845.2	1830.1	1818.0
55°	1081.7	1339.3	1609.0	1699.8	1769.5	1796.8	1751.3	1730.1	1675.6	1666.5	1660.4
57.5°	1063.5	1115.0	1439.2	1554.4	1639.2	1636.2	1609.0	1569.6	1524.1	1515.0	1512.0
60°	975.6	806.0	1257.5	1393.8	1481.7	1472.6	1448.3	1412.0	1369.6	1363.5	1357.5
62.5°	884.7	584.8	1051.4	1205.9	1330.2	1327.1	1305.9	1251.4	1221.1	1205.9	1193.8
65°	751.4	490.9	748.4	1002.9	1181.7	1187.7	1142.3	1102.9	1069.5	1051.4	1048.4
67.5°	572.6	399.9	506.0	836.3	1039.3	1033.2	975.6	957.4	915.1	906.0	887.8
70°	424.2	266.6	351.5	678.7	899.9	884.7	839.3	818.1	778.7	757.5	745.3
72.5°	351.5	215.1	257.6	527.2	757.5	739.3	700.0	675.7	642.4	624.2	612.0
75°	284.8	227.2	197.0	390.9	615.1	603.0	566.6	542.4	515.1	490.9	493.9
77.5°	209.1	212.1	157.6	287.8	487.9	469.7	448.5	418.1	406.0	381.8	381.8
80°	157.6	166.6	118.2	197.0	351.5	351.5	333.3	312.1	290.9	278.8	278.8
82.5°	106.0	106.0	87.8	124.3	239.4	230.3	218.2	212.1	200.0	193.9	193.9
85°	48.4	60.6	54.5	75.7	130.3	136.4	136.4	130.3	127.2	121.2	124.3
87.5°	15.1	27.3	33.3	42.4	66.7	69.7	72.7	72.7	72.7	75.7	75.7
90°	9.3	16.7	24.1	26.0	40.8	60.6	70.5	62.6	46.9	35.2	35.2
92.5°	37.1	100.1	163.2	179.0	251.6	348.4	396.8	347.7	249.7	176.1	169.1
95°	89.0	204.4	319.8	348.6	619.0	979.6	1159.8	1035.0	785.3	598.0	576.8
97.5°	153.9	255.7	357.5	382.9	833.8	1435.0	1735.6	1656.7	1498.8	1380.5	1340.1
100°	204.0	296.3	388.6	411.7	912.0	1579.1	1912.7	1918.4	1929.9	1938.6	1890.5
102.5°	246.6	332.7	418.8	440.4	947.9	1624.5	1962.7	2063.2	2264.3	2415.1	2373.9
105°	318.9	391.9	464.8	483.0	974.4	1629.6	1957.2	2182.5	2633.3	2971.4	2949.2
107.5°	393.1	461.1	529.0	546.1	979.3	1557.0	1845.9	2160.3	2789.1	3260.6	3266.0
110°	443.2	504.6	566.0	581.3	972.0	1492.8	1753.2	2104.7	2807.6	3334.8	3357.9



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CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	492.3	550.8	609.3	623.9	972.2	1436.6	1668.8	2028.5	2747.9	3287.5	3323.0
115°	566.5	620.5	674.3	687.9	981.2	1372.2	1567.8	1914.3	2607.3	3127.1	3176.3
117.5°	639.7	688.8	737.7	750.0	999.4	1332.0	1498.2	1810.9	2436.4	2905.6	2960.1
120°	682.3	728.5	774.6	786.2	1014.2	1318.3	1470.4	1756.2	2327.6	2756.3	2809.2
122.5°	724.0	770.6	817.2	828.8	1035.5	1311.2	1449.1	1706.4	2221.1	2607.1	2659.3
125°	788.1	830.5	872.9	883.5	1064.3	1305.4	1425.9	1644.5	2081.7	2409.6	2457.6
127.5°	840.0	882.9	925.7	936.4	1093.1	1302.0	1406.4	1594.1	1969.5	2251.0	2291.6
130°	867.7	913.9	960.0	971.6	1114.0	1304.0	1399.0	1566.1	1900.3	2150.9	2188.4
132.5°	896.5	942.7	988.8	1000.3	1131.0	1305.4	1392.5	1542.1	1841.2	2065.6	2099.1
135°	939.2	981.2	1023.3	1033.7	1149.6	1304.1	1381.4	1506.6	1757.1	1945.1	1974.0
137.5°	982.7	1024.3	1066.0	1076.3	1177.4	1312.2	1379.5	1485.4	1697.2	1856.1	1879.8
140°	1018.9	1057.2	1095.5	1105.1	1194.4	1313.5	1373.1	1464.6	1647.5	1784.7	1806.8
142.5°	1046.7	1082.2	1117.5	1126.4	1208.6	1318.3	1373.1	1453.4	1614.1	1734.6	1753.6
145°	1089.3	1120.2	1151.2	1158.9	1227.2	1318.3	1363.7	1429.5	1561.0	1659.6	1674.0
147.5°	1132.0	1162.1	1192.2	1199.7	1254.4	1327.3	1363.7	1415.5	1518.9	1596.5	1608.4
150°	1159.8	1187.0	1214.2	1221.0	1268.6	1332.0	1363.7	1407.4	1494.8	1560.3	1570.0
152.5°	1188.5	1209.1	1229.7	1234.9	1277.9	1335.1	1363.7	1401.1	1475.7	1531.6	1539.0
155°	1231.2	1246.5	1261.7	1265.5	1298.3	1341.9	1363.7	1393.5	1452.8	1497.3	1502.2
157.5°	1262.7	1277.5	1292.4	1296.1	1318.6	1348.7	1363.7	1386.8	1432.9	1467.6	1471.0
160°	1284.1	1295.6	1307.2	1310.0	1327.9	1351.8	1363.7	1383.5	1423.1	1452.7	1454.7
162.5°	1305.4	1314.0	1322.6	1324.8	1337.8	1355.1	1363.7	1380.4	1413.8	1438.9	1440.7
165°	1328.6	1336.4	1344.2	1346.2	1352.0	1359.8	1363.7	1375.7	1399.6	1417.5	1419.5
167.5°	1349.9	1353.5	1357.3	1358.2	1363.1	1369.7	1373.1	1380.8	1396.5	1408.2	1409.0
170°	1363.7	1367.5	1371.3	1372.2	1372.4	1372.9	1373.1	1380.8	1396.5	1408.2	1408.2
172.5°	1371.2	1372.0	1372.9	1373.1	1373.1	1373.1	1373.1	1379.2	1391.6	1400.9	1400.2
175°	1381.4	1381.4	1381.4	1381.4	1378.6	1374.9	1373.1	1377.0	1384.8	1390.7	1390.7
177.5°	1381.4	1381.4	1381.4	1381.4	1379.2	1376.4	1374.9	1378.0	1384.2	1388.8	1388.0
180°	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4



TEST NUMBER: P935766

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7
2.5°	3284.5	3275.4	3284.5	3278.5	3281.5	3272.4	3245.1	3236.0	3245.1	3254.2	3254.2
5°	3323.9	3317.8	3323.9	3323.9	3320.9	3314.8	3284.5	3278.5	3284.5	3287.5	3281.5
7.5°	3336.0	3326.9	3336.0	3329.9	3329.9	3323.9	3293.6	3287.5	3290.5	3299.7	3290.5
10°	3336.0	3326.9	3336.0	3333.0	3329.9	3323.9	3293.6	3281.5	3281.5	3290.5	3281.5
12.5°	3320.9	3314.8	3320.9	3314.8	3314.8	3308.7	3278.5	3266.4	3269.3	3272.4	3260.3
15°	3296.6	3287.5	3296.6	3290.5	3293.6	3284.5	3251.1	3239.1	3239.1	3245.1	3223.9
17.5°	3260.3	3248.1	3260.3	3257.2	3254.2	3248.1	3217.8	3205.8	3202.7	3205.8	3190.5
20°	3217.8	3208.7	3217.8	3214.8	3214.8	3202.7	3172.4	3157.2	3157.2	3157.2	3142.1
22.5°	3151.1	3142.1	3151.1	3157.2	3157.2	3154.2	3127.0	3105.7	3099.7	3099.7	3081.5
25°	3075.4	3066.4	3075.4	3075.4	3072.4	3075.4	3066.4	3054.3	3045.1	3036.0	3017.8
27.5°	3002.7	2996.6	3002.7	2996.6	3002.7	2993.7	2990.6	2987.6	2975.5	2966.3	2942.1
30°	2930.0	2923.9	2930.0	2923.9	2917.9	2911.8	2896.7	2890.6	2902.7	2896.7	2857.3
32.5°	2839.1	2833.0	2839.1	2839.1	2833.0	2833.0	2808.8	2799.7	2802.8	2820.9	2784.6
35°	2745.2	2736.1	2745.2	2742.2	2745.2	2736.1	2720.9	2717.9	2705.8	2726.9	2699.7
37.5°	2636.1	2627.0	2636.1	2636.1	2636.1	2642.2	2630.1	2620.9	2602.8	2630.1	2608.8
40°	2524.0	2511.9	2524.0	2520.9	2524.0	2530.1	2524.0	2517.9	2499.7	2520.9	2502.8
42.5°	2396.8	2393.7	2396.8	2399.7	2399.7	2411.9	2420.9	2408.8	2402.7	2387.6	2399.7
45°	2260.4	2254.3	2260.4	2266.4	2269.4	2275.5	2302.8	2302.8	2293.7	2269.4	2287.6
47.5°	2114.9	2099.8	2114.9	2133.1	2133.1	2142.2	2169.4	2190.6	2175.5	2145.3	2154.3
50°	1960.4	1963.4	1960.4	1972.6	1972.6	2005.9	2027.1	2048.3	2063.4	2027.1	1984.6
52.5°	1808.9	1805.8	1808.9	1818.0	1830.1	1845.2	1881.6	1902.8	1927.1	1905.9	1839.2
55°	1657.4	1663.5	1657.4	1660.4	1666.5	1675.6	1730.1	1751.3	1796.8	1769.5	1699.8
57.5°	1505.9	1496.8	1505.9	1512.0	1515.0	1524.1	1569.6	1609.0	1636.2	1639.2	1554.4
60°	1330.2	1318.1	1330.2	1357.5	1363.5	1369.6	1412.0	1448.3	1472.6	1481.7	1393.8
62.5°	1175.6	1154.4	1175.6	1193.8	1205.9	1221.1	1251.4	1305.9	1327.1	1330.2	1205.9
65°	1012.0	1002.9	1012.0	1048.4	1051.4	1069.5	1102.9	1142.3	1187.7	1181.7	1002.9
67.5°	863.5	863.5	863.5	887.8	906.0	915.1	957.4	975.6	1033.2	1039.3	836.3
70°	727.2	724.1	727.2	745.3	757.5	778.7	818.1	839.3	884.7	899.9	678.7
72.5°	596.9	593.9	596.9	612.0	624.2	642.4	675.7	700.0	739.3	757.5	527.2
75°	481.8	475.7	481.8	493.9	490.9	515.1	542.4	566.6	603.0	615.1	390.9
77.5°	369.7	369.7	369.7	381.8	381.8	406.0	418.1	448.5	469.7	487.9	287.8
80°	275.8	272.7	275.8	278.8	278.8	290.9	312.1	333.3	351.5	351.5	197.0
82.5°	193.9	187.8	193.9	193.9	193.9	200.0	212.1	218.2	230.3	239.4	124.3
85°	121.2	121.2	121.2	124.3	121.2	127.2	130.3	136.4	136.4	130.3	75.7
87.5°	78.8	75.7	78.8	75.7	75.7	72.7	72.7	72.7	69.7	66.7	42.4
90°	35.2	35.2	35.2	35.2	35.2	46.9	62.6	70.5	60.6	40.8	26.0
92.5°	141.1	113.1	141.1	169.1	176.1	249.7	347.7	396.8	348.4	251.6	179.0
95°	491.9	407.0	491.9	576.8	598.0	785.3	1035.0	1159.8	979.6	619.0	348.6
97.5°	1178.6	1017.1	1178.6	1340.1	1380.5	1498.8	1656.7	1735.6	1435.0	833.8	382.9
100°	1698.0	1505.6	1698.0	1890.5	1938.6	1929.9	1918.4	1912.7	1579.1	912.0	411.7
102.5°	2209.1	2044.3	2209.1	2373.9	2415.1	2264.3	2063.2	1962.7	1624.5	947.9	440.4
105°	2860.6	2772.1	2860.6	2949.2	2971.4	2633.3	2182.5	1957.2	1629.6	974.4	483.0
107.5°	3287.4	3308.8	3287.4	3266.0	3260.6	2789.1	2160.3	1845.9	1557.0	979.3	546.1
110°	3450.2	3542.5	3450.2	3357.9	3334.8	2807.6	2104.7	1753.2	1492.8	972.0	581.3



TEST NUMBER: P935766

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3464.7	3606.4	3464.7	3323.0	3287.5	2747.9	2028.5	1668.8	1436.6	972.2	623.9
115°	3372.8	3569.3	3372.8	3176.3	3127.1	2607.3	1914.3	1567.8	1372.2	981.2	687.9
117.5°	3178.0	3396.0	3178.0	2960.1	2905.6	2436.4	1810.9	1498.2	1332.0	999.4	750.0
120°	3021.1	3232.8	3021.1	2809.2	2756.3	2327.6	1756.2	1470.4	1318.3	1014.2	786.2
122.5°	2868.2	3077.1	2868.2	2659.3	2607.1	2221.1	1706.4	1449.1	1311.2	1035.5	828.8
125°	2650.1	2842.5	2650.1	2457.6	2409.6	2081.7	1644.5	1425.9	1305.4	1064.3	883.5
127.5°	2454.0	2616.3	2454.0	2291.6	2251.0	1969.5	1594.1	1406.4	1302.0	1093.1	936.4
130°	2338.4	2488.3	2338.4	2188.4	2150.9	1900.3	1566.1	1399.0	1304.0	1114.0	971.6
132.5°	2233.5	2367.8	2233.5	2099.1	2065.6	1841.2	1542.1	1392.5	1305.4	1131.0	1000.3
135°	2089.8	2205.6	2089.8	1974.0	1945.1	1757.1	1506.6	1381.4	1304.1	1149.6	1033.7
137.5°	1974.5	2069.3	1974.5	1879.8	1856.1	1697.2	1485.4	1379.5	1312.2	1177.4	1076.3
140°	1895.5	1984.0	1895.5	1806.8	1784.7	1647.5	1464.6	1373.1	1313.5	1194.4	1105.1
142.5°	1829.8	1906.1	1829.8	1753.6	1734.6	1614.1	1453.4	1373.1	1318.3	1208.6	1126.4
145°	1731.6	1789.3	1731.6	1674.0	1659.6	1561.0	1429.5	1363.7	1318.3	1227.2	1158.9
147.5°	1656.2	1704.0	1656.2	1608.4	1596.5	1518.9	1415.5	1363.7	1327.3	1254.4	1199.7
150°	1608.8	1647.5	1608.8	1570.0	1560.3	1494.8	1407.4	1363.7	1332.0	1268.6	1221.0
152.5°	1568.1	1597.4	1568.1	1539.0	1531.6	1475.7	1401.1	1363.7	1335.1	1277.9	1234.9
155°	1521.5	1540.8	1521.5	1502.2	1497.3	1452.8	1393.5	1363.7	1341.9	1298.3	1265.5
157.5°	1484.6	1498.2	1484.6	1471.0	1467.6	1432.9	1386.8	1363.7	1348.7	1318.6	1296.1
160°	1462.5	1470.4	1462.5	1454.7	1452.7	1423.1	1383.5	1363.7	1351.8	1327.9	1310.0
162.5°	1448.2	1455.6	1448.2	1440.7	1438.9	1413.8	1380.4	1363.7	1355.1	1337.8	1324.8
165°	1427.3	1435.2	1427.3	1419.5	1417.5	1399.6	1375.7	1363.7	1359.8	1352.0	1346.2
167.5°	1412.4	1415.7	1412.4	1409.0	1408.2	1396.5	1380.8	1373.1	1369.7	1363.1	1358.2
170°	1408.2	1408.2	1408.2	1408.2	1408.2	1396.5	1380.8	1373.1	1372.9	1372.4	1372.2
172.5°	1397.2	1394.4	1397.2	1400.2	1400.9	1391.6	1379.2	1373.1	1373.1	1373.1	1373.1
175°	1390.7	1390.7	1390.7	1390.7	1390.7	1384.8	1377.0	1373.1	1374.9	1378.6	1381.4
177.5°	1384.7	1381.4	1384.7	1388.0	1388.8	1384.2	1378.0	1374.9	1376.4	1379.2	1381.4
180°	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4



TEST NUMBER: P935766
 CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7
2.5°	3248.1	3229.9	3229.9	3199.7	3187.6	3178.4	3163.3	3117.8	3105.7	3093.6	3111.8
5°	3275.4	3242.1	3217.8	3163.3	3117.8	3099.7	3042.1	2933.0	2860.3	2805.7	2775.5
7.5°	3281.5	3239.1	3193.6	3108.8	2999.7	2951.2	2775.5	2575.5	2520.9	2472.5	2442.1
10°	3275.4	3227.0	3163.3	3036.0	2778.5	2693.6	2517.9	2387.6	2354.3	2345.2	2354.3
12.5°	3254.2	3208.7	3120.9	2908.8	2548.2	2490.7	2387.6	2311.9	2305.8	2321.0	2402.7
15°	3217.8	3175.4	3072.4	2739.1	2420.9	2378.6	2305.8	2278.6	2311.9	2418.0	2663.4
17.5°	3181.5	3133.0	3005.7	2572.5	2324.0	2293.7	2242.2	2296.7	2484.6	2627.0	2708.8
20°	3133.0	3075.4	2930.0	2451.3	2254.3	2227.0	2202.8	2448.2	2590.7	2642.2	2687.6
22.5°	3075.4	3014.9	2826.9	2366.4	2181.6	2160.4	2175.5	2533.1	2590.7	2627.0	2666.4
25°	2999.7	2948.2	2705.8	2299.8	2124.0	2099.8	2157.3	2524.0	2557.3	2566.4	2645.2
27.5°	2930.0	2863.3	2578.5	2239.2	2054.3	2045.3	2172.5	2484.6	2508.8	2517.9	2602.8
30°	2845.1	2745.2	2436.1	2175.5	1981.6	1978.5	2175.5	2436.1	2430.1	2454.3	2539.1
32.5°	2757.3	2569.5	2275.5	2096.7	1911.9	1908.9	2154.3	2363.4	2357.4	2390.7	2454.3
35°	2675.5	2433.1	2057.3	2005.9	1824.0	1827.1	2102.8	2278.6	2281.6	2311.9	2351.3
37.5°	2590.7	2314.9	1818.0	1905.9	1739.2	1739.2	2033.1	2199.8	2193.7	2202.8	2257.4
40°	2490.7	2130.0	1605.9	1775.6	1660.4	1651.3	1948.3	2114.9	2093.7	2090.7	2166.5
42.5°	2384.6	1927.1	1448.3	1602.9	1569.6	1557.4	1845.2	2011.9	1972.6	1981.6	2078.6
45°	2269.4	1872.5	1327.1	1354.4	1475.6	1466.5	1733.1	1893.8	1866.5	1890.7	1990.7
47.5°	2154.3	1763.4	1287.7	1124.2	1375.6	1372.6	1609.0	1778.6	1763.4	1787.7	1893.8
50°	1996.7	1642.3	1284.7	963.5	1263.5	1275.6	1460.4	1666.5	1666.5	1687.7	1799.8
52.5°	1793.8	1493.7	1166.5	872.7	1133.2	1169.5	1330.2	1569.6	1575.6	1596.8	1696.8
55°	1609.0	1339.3	1081.7	802.9	978.7	1057.5	1202.9	1469.6	1481.7	1502.9	1593.7
57.5°	1439.2	1115.0	1063.5	721.2	836.3	912.1	1090.8	1372.6	1378.6	1396.9	1484.7
60°	1257.5	806.0	975.6	633.3	712.0	769.6	987.8	1257.5	1278.7	1290.8	1366.5
62.5°	1051.4	584.8	884.7	572.6	651.4	663.6	902.9	1148.3	1175.6	1184.8	1230.2
65°	748.4	490.9	751.4	521.2	587.8	590.8	812.0	1036.2	1060.5	1075.6	1108.9
67.5°	506.0	399.9	572.6	472.6	539.3	542.4	724.1	906.0	939.3	951.4	972.7
70°	351.5	266.6	424.2	421.2	484.8	490.9	630.2	787.8	818.1	827.2	839.3
72.5°	257.6	215.1	351.5	378.7	427.2	433.3	533.2	654.5	684.7	693.9	700.0
75°	197.0	227.2	284.8	330.3	363.6	366.6	436.3	533.2	554.5	560.6	563.6
77.5°	157.6	212.1	209.1	266.6	297.0	290.9	342.4	412.1	430.3	430.3	430.3
80°	118.2	166.6	157.6	190.9	218.2	212.1	245.4	293.9	299.9	306.0	303.0
82.5°	87.8	106.0	106.0	121.2	145.4	139.4	163.7	190.9	190.9	190.9	197.0
85°	54.5	60.6	48.4	63.7	81.8	78.8	90.9	103.1	106.0	106.0	100.0
87.5°	33.3	27.3	15.1	24.3	36.3	36.3	42.4	45.5	42.4	42.4	42.4
90°	24.1	16.7	9.3	16.7	24.1	26.0	40.8	60.6	70.5	62.6	46.9
92.5°	163.2	100.1	37.1	100.1	163.2	179.0	251.6	348.4	396.8	347.7	249.7
95°	319.8	204.4	89.0	204.4	319.8	348.6	619.0	979.6	1159.8	1035.0	785.3
97.5°	357.5	255.7	153.9	255.7	357.5	382.9	833.8	1435.0	1735.6	1656.7	1498.8
100°	388.6	296.3	204.0	296.3	388.6	411.7	912.0	1579.1	1912.7	1918.4	1929.9
102.5°	418.8	332.7	246.6	332.7	418.8	440.4	947.9	1624.5	1962.7	2063.2	2264.3
105°	464.8	391.9	318.9	391.9	464.8	483.0	974.4	1629.6	1957.2	2182.5	2633.3
107.5°	529.0	461.1	393.1	461.1	529.0	546.1	979.3	1557.0	1845.9	2160.3	2789.1
110°	566.0	504.6	443.2	504.6	566.0	581.3	972.0	1492.8	1753.2	2104.7	2807.6



TEST NUMBER: P935766

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	609.3	550.8	492.3	550.8	609.3	623.9	972.2	1436.6	1668.8	2028.5	2747.9
115°	674.3	620.5	566.5	620.5	674.3	687.9	981.2	1372.2	1567.8	1914.3	2607.3
117.5°	737.7	688.8	639.7	688.8	737.7	750.0	999.4	1332.0	1498.2	1810.9	2436.4
120°	774.6	728.5	682.3	728.5	774.6	786.2	1014.2	1318.3	1470.4	1756.2	2327.6
122.5°	817.2	770.6	724.0	770.6	817.2	828.8	1035.5	1311.2	1449.1	1706.4	2221.1
125°	872.9	830.5	788.1	830.5	872.9	883.5	1064.3	1305.4	1425.9	1644.5	2081.7
127.5°	925.7	882.9	840.0	882.9	925.7	936.4	1093.1	1302.0	1406.4	1594.1	1969.5
130°	960.0	913.9	867.7	913.9	960.0	971.6	1114.0	1304.0	1399.0	1566.1	1900.3
132.5°	988.8	942.7	896.5	942.7	988.8	1000.3	1131.0	1305.4	1392.5	1542.1	1841.2
135°	1023.3	981.2	939.2	981.2	1023.3	1033.7	1149.6	1304.1	1381.4	1506.6	1757.1
137.5°	1066.0	1024.3	982.7	1024.3	1066.0	1076.3	1177.4	1312.2	1379.5	1485.4	1697.2
140°	1095.5	1057.2	1018.9	1057.2	1095.5	1105.1	1194.4	1313.5	1373.1	1464.6	1647.5
142.5°	1117.5	1082.2	1046.7	1082.2	1117.5	1126.4	1208.6	1318.3	1373.1	1453.4	1614.1
145°	1151.2	1120.2	1089.3	1120.2	1151.2	1158.9	1227.2	1318.3	1363.7	1429.5	1561.0
147.5°	1192.2	1162.1	1132.0	1162.1	1192.2	1199.7	1254.4	1327.3	1363.7	1415.5	1518.9
150°	1214.2	1187.0	1159.8	1187.0	1214.2	1221.0	1268.6	1332.0	1363.7	1407.4	1494.8
152.5°	1229.7	1209.1	1188.5	1209.1	1229.7	1234.9	1277.9	1335.1	1363.7	1401.1	1475.7
155°	1261.7	1246.5	1231.2	1246.5	1261.7	1265.5	1298.3	1341.9	1363.7	1393.5	1452.8
157.5°	1292.4	1277.5	1262.7	1277.5	1292.4	1296.1	1318.6	1348.7	1363.7	1386.8	1432.9
160°	1307.2	1295.6	1284.1	1295.6	1307.2	1310.0	1327.9	1351.8	1363.7	1383.5	1423.1
162.5°	1322.6	1314.0	1305.4	1314.0	1322.6	1324.8	1337.8	1355.1	1363.7	1380.4	1413.8
165°	1344.2	1336.4	1328.6	1336.4	1344.2	1346.2	1352.0	1359.8	1363.7	1375.7	1399.6
167.5°	1357.3	1353.5	1349.9	1353.5	1357.3	1358.2	1363.1	1369.7	1373.1	1380.8	1396.5
170°	1371.3	1367.5	1363.7	1367.5	1371.3	1372.2	1372.4	1372.9	1373.1	1380.8	1396.5
172.5°	1372.9	1372.0	1371.2	1372.0	1372.9	1373.1	1373.1	1373.1	1373.1	1379.2	1391.6
175°	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1378.6	1374.9	1373.1	1377.0	1384.8
177.5°	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1379.2	1376.4	1374.9	1378.0	1384.2
180°	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4



TEST NUMBER: P935766

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7
2.5°	3090.6	3081.5	3093.6	3060.3	3093.6	3081.5	3090.6	3111.8	3093.6	3105.7	3117.8
5°	2711.8	2696.7	2648.2	2608.8	2648.2	2696.7	2711.8	2775.5	2805.7	2860.3	2933.0
7.5°	2424.0	2411.9	2399.7	2375.5	2399.7	2411.9	2424.0	2442.1	2472.5	2520.9	2575.5
10°	2360.4	2363.4	2381.5	2378.6	2381.5	2363.4	2360.4	2354.3	2345.2	2354.3	2387.6
12.5°	2524.0	2551.3	2651.2	2645.2	2651.2	2551.3	2524.0	2402.7	2321.0	2305.8	2311.9
15°	2711.8	2720.9	2742.2	2745.2	2742.2	2720.9	2711.8	2663.4	2418.0	2311.9	2278.6
17.5°	2730.0	2733.0	2748.2	2748.2	2748.2	2733.0	2730.0	2708.8	2627.0	2484.6	2296.7
20°	2714.9	2720.9	2751.2	2757.3	2751.2	2720.9	2714.9	2687.6	2642.2	2590.7	2448.2
22.5°	2708.8	2720.9	2745.2	2742.2	2745.2	2720.9	2708.8	2666.4	2627.0	2590.7	2533.1
25°	2678.5	2678.5	2681.5	2684.6	2681.5	2678.5	2678.5	2645.2	2566.4	2557.3	2524.0
27.5°	2614.8	2620.9	2639.1	2636.1	2639.1	2620.9	2614.8	2602.8	2517.9	2508.8	2484.6
30°	2557.3	2551.3	2536.1	2524.0	2536.1	2551.3	2557.3	2539.1	2454.3	2430.1	2436.1
32.5°	2460.3	2445.2	2430.1	2420.9	2430.1	2445.2	2460.3	2454.3	2390.7	2357.4	2363.4
35°	2345.2	2348.2	2345.2	2336.1	2345.2	2348.2	2345.2	2351.3	2311.9	2281.6	2278.6
37.5°	2263.4	2269.4	2266.4	2254.3	2266.4	2269.4	2263.4	2257.4	2202.8	2193.7	2199.8
40°	2178.6	2181.6	2178.6	2169.4	2178.6	2181.6	2178.6	2166.5	2090.7	2093.7	2114.9
42.5°	2096.7	2093.7	2084.6	2078.6	2084.6	2093.7	2096.7	2078.6	1981.6	1972.6	2011.9
45°	2002.8	2005.9	1987.7	1978.5	1987.7	2005.9	2002.8	1990.7	1890.7	1866.5	1893.8
47.5°	1908.9	1908.9	1893.8	1884.6	1893.8	1908.9	1908.9	1893.8	1787.7	1763.4	1778.6
50°	1808.9	1805.8	1784.6	1781.7	1784.6	1805.8	1808.9	1799.8	1687.7	1666.5	1666.5
52.5°	1693.8	1693.8	1696.8	1702.9	1696.8	1693.8	1693.8	1696.8	1596.8	1575.6	1569.6
55°	1593.7	1596.8	1618.0	1624.1	1618.0	1596.8	1593.7	1593.7	1502.9	1481.7	1469.6
57.5°	1490.8	1490.8	1505.9	1505.9	1505.9	1490.8	1490.8	1484.7	1396.9	1378.6	1372.6
60°	1372.6	1378.6	1390.8	1387.7	1390.8	1378.6	1372.6	1366.5	1290.8	1278.7	1257.5
62.5°	1248.3	1254.4	1257.5	1251.4	1257.5	1254.4	1248.3	1230.2	1184.8	1175.6	1148.3
65°	1118.1	1124.2	1127.2	1121.1	1127.2	1124.2	1118.1	1108.9	1075.6	1060.5	1036.2
67.5°	984.8	981.7	978.7	990.8	978.7	981.7	984.8	972.7	951.4	939.3	906.0
70°	848.4	848.4	845.4	851.4	845.4	848.4	848.4	839.3	827.2	818.1	787.8
72.5°	703.0	700.0	712.0	703.0	712.0	700.0	703.0	700.0	693.9	684.7	654.5
75°	560.6	566.6	560.6	569.6	560.6	566.6	560.6	563.6	560.6	554.5	533.2
77.5°	427.2	433.3	427.2	427.2	427.2	433.3	427.2	430.3	430.3	430.3	412.1
80°	303.0	299.9	299.9	297.0	299.9	299.9	303.0	303.0	306.0	299.9	293.9
82.5°	193.9	190.9	190.9	197.0	190.9	190.9	193.9	197.0	190.9	190.9	190.9
85°	106.0	109.0	103.1	103.1	103.1	109.0	106.0	100.0	106.0	106.0	103.1
87.5°	39.4	36.3	36.3	36.3	36.3	36.3	39.4	42.4	42.4	42.4	45.5
90°	35.2	35.2	35.2	35.2	35.2	35.2	35.2	46.9	62.6	70.5	60.6
92.5°	176.1	169.1	141.1	113.1	141.1	169.1	176.1	249.7	347.7	396.8	348.4
95°	598.0	576.8	491.9	407.0	491.9	576.8	598.0	785.3	1035.0	1159.8	979.6
97.5°	1380.5	1340.1	1178.6	1017.1	1178.6	1340.1	1380.5	1498.8	1656.7	1735.6	1435.0
100°	1938.6	1890.5	1698.0	1505.6	1698.0	1890.5	1938.6	1929.9	1918.4	1912.7	1579.1
102.5°	2415.1	2373.9	2209.1	2044.3	2209.1	2373.9	2415.1	2264.3	2063.2	1962.7	1624.5
105°	2971.4	2949.2	2860.6	2772.1	2860.6	2949.2	2971.4	2633.3	2182.5	1957.2	1629.6
107.5°	3260.6	3266.0	3287.4	3308.8	3287.4	3266.0	3260.6	2789.1	2160.3	1845.9	1557.0
110°	3334.8	3357.9	3450.2	3542.5	3450.2	3357.9	3334.8	2807.6	2104.7	1753.2	1492.8



TEST NUMBER: P935766

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3287.5	3323.0	3464.7	3606.4	3464.7	3323.0	3287.5	2747.9	2028.5	1668.8	1436.6
115°	3127.1	3176.3	3372.8	3569.3	3372.8	3176.3	3127.1	2607.3	1914.3	1567.8	1372.2
117.5°	2905.6	2960.1	3178.0	3396.0	3178.0	2960.1	2905.6	2436.4	1810.9	1498.2	1332.0
120°	2756.3	2809.2	3021.1	3232.8	3021.1	2809.2	2756.3	2327.6	1756.2	1470.4	1318.3
122.5°	2607.1	2659.3	2868.2	3077.1	2868.2	2659.3	2607.1	2221.1	1706.4	1449.1	1311.2
125°	2409.6	2457.6	2650.1	2842.5	2650.1	2457.6	2409.6	2081.7	1644.5	1425.9	1305.4
127.5°	2251.0	2291.6	2454.0	2616.3	2454.0	2291.6	2251.0	1969.5	1594.1	1406.4	1302.0
130°	2150.9	2188.4	2338.4	2488.3	2338.4	2188.4	2150.9	1900.3	1566.1	1399.0	1304.0
132.5°	2065.6	2099.1	2233.5	2367.8	2233.5	2099.1	2065.6	1841.2	1542.1	1392.5	1305.4
135°	1945.1	1974.0	2089.8	2205.6	2089.8	1974.0	1945.1	1757.1	1506.6	1381.4	1304.1
137.5°	1856.1	1879.8	1974.5	2069.3	1974.5	1879.8	1856.1	1697.2	1485.4	1379.5	1312.2
140°	1784.7	1806.8	1895.5	1984.0	1895.5	1806.8	1784.7	1647.5	1464.6	1373.1	1313.5
142.5°	1734.6	1753.6	1829.8	1906.1	1829.8	1753.6	1734.6	1614.1	1453.4	1373.1	1318.3
145°	1659.6	1674.0	1731.6	1789.3	1731.6	1674.0	1659.6	1561.0	1429.5	1363.7	1318.3
147.5°	1596.5	1608.4	1656.2	1704.0	1656.2	1608.4	1596.5	1518.9	1415.5	1363.7	1327.3
150°	1560.3	1570.0	1608.8	1647.5	1608.8	1570.0	1560.3	1494.8	1407.4	1363.7	1332.0
152.5°	1531.6	1539.0	1568.1	1597.4	1568.1	1539.0	1531.6	1475.7	1401.1	1363.7	1335.1
155°	1497.3	1502.2	1521.5	1540.8	1521.5	1502.2	1497.3	1452.8	1393.5	1363.7	1341.9
157.5°	1467.6	1471.0	1484.6	1498.2	1484.6	1471.0	1467.6	1432.9	1386.8	1363.7	1348.7
160°	1452.7	1454.7	1462.5	1470.4	1462.5	1454.7	1452.7	1423.1	1383.5	1363.7	1351.8
162.5°	1438.9	1440.7	1448.2	1455.6	1448.2	1440.7	1438.9	1413.8	1380.4	1363.7	1355.1
165°	1417.5	1419.5	1427.3	1435.2	1427.3	1419.5	1417.5	1399.6	1375.7	1363.7	1359.8
167.5°	1408.2	1409.0	1412.4	1415.7	1412.4	1409.0	1408.2	1396.5	1380.8	1373.1	1369.7
170°	1408.2	1408.2	1408.2	1408.2	1408.2	1408.2	1408.2	1396.5	1380.8	1373.1	1372.9
172.5°	1400.9	1400.2	1397.2	1394.4	1397.2	1400.2	1400.9	1391.6	1379.2	1373.1	1373.1
175°	1390.7	1390.7	1390.7	1390.7	1390.7	1390.7	1390.7	1384.8	1377.0	1373.1	1374.9
177.5°	1388.8	1388.0	1384.7	1381.4	1384.7	1388.0	1388.8	1384.2	1378.0	1374.9	1376.4
180°	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4



TEST NUMBER: P935766

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3202.7	3202.7	3202.7	3202.7	3202.7
2.5°	3163.3	3178.4	3187.6	3199.7	3229.9
5°	3042.1	3099.7	3117.8	3163.3	3217.8
7.5°	2775.5	2951.2	2999.7	3108.8	3193.6
10°	2517.9	2693.6	2778.5	3036.0	3163.3
12.5°	2387.6	2490.7	2548.2	2908.8	3120.9
15°	2305.8	2378.6	2420.9	2739.1	3072.4
17.5°	2242.2	2293.7	2324.0	2572.5	3005.7
20°	2202.8	2227.0	2254.3	2451.3	2930.0
22.5°	2175.5	2160.4	2181.6	2366.4	2826.9
25°	2157.3	2099.8	2124.0	2299.8	2705.8
27.5°	2172.5	2045.3	2054.3	2239.2	2578.5
30°	2175.5	1978.5	1981.6	2175.5	2436.1
32.5°	2154.3	1908.9	1911.9	2096.7	2275.5
35°	2102.8	1827.1	1824.0	2005.9	2057.3
37.5°	2033.1	1739.2	1739.2	1905.9	1818.0
40°	1948.3	1651.3	1660.4	1775.6	1605.9
42.5°	1845.2	1557.4	1569.6	1602.9	1448.3
45°	1733.1	1466.5	1475.6	1354.4	1327.1
47.5°	1609.0	1372.6	1375.6	1124.2	1287.7
50°	1460.4	1275.6	1263.5	963.5	1284.7
52.5°	1330.2	1169.5	1133.2	872.7	1166.5
55°	1202.9	1057.5	978.7	802.9	1081.7
57.5°	1090.8	912.1	836.3	721.2	1063.5
60°	987.8	769.6	712.0	633.3	975.6
62.5°	902.9	663.6	651.4	572.6	884.7
65°	812.0	590.8	587.8	521.2	751.4
67.5°	724.1	542.4	539.3	472.6	572.6
70°	630.2	490.9	484.8	421.2	424.2
72.5°	533.2	433.3	427.2	378.7	351.5
75°	436.3	366.6	363.6	330.3	284.8
77.5°	342.4	290.9	297.0	266.6	209.1
80°	245.4	212.1	218.2	190.9	157.6
82.5°	163.7	139.4	145.4	121.2	106.0
85°	90.9	78.8	81.8	63.7	48.4
87.5°	42.4	36.3	36.3	24.3	15.1
90°	40.8	26.0	24.1	16.7	9.3
92.5°	251.6	179.0	163.2	100.1	37.1
95°	619.0	348.6	319.8	204.4	89.0
97.5°	833.8	382.9	357.5	255.7	153.9
100°	912.0	411.7	388.6	296.3	204.0
102.5°	947.9	440.4	418.8	332.7	246.6
105°	974.4	483.0	464.8	391.9	318.9
107.5°	979.3	546.1	529.0	461.1	393.1
110°	972.0	581.3	566.0	504.6	443.2



TEST NUMBER: P935766

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	972.2	623.9	609.3	550.8	492.3
115°	981.2	687.9	674.3	620.5	566.5
117.5°	999.4	750.0	737.7	688.8	639.7
120°	1014.2	786.2	774.6	728.5	682.3
122.5°	1035.5	828.8	817.2	770.6	724.0
125°	1064.3	883.5	872.9	830.5	788.1
127.5°	1093.1	936.4	925.7	882.9	840.0
130°	1114.0	971.6	960.0	913.9	867.7
132.5°	1131.0	1000.3	988.8	942.7	896.5
135°	1149.6	1033.7	1023.3	981.2	939.2
137.5°	1177.4	1076.3	1066.0	1024.3	982.7
140°	1194.4	1105.1	1095.5	1057.2	1018.9
142.5°	1208.6	1126.4	1117.5	1082.2	1046.7
145°	1227.2	1158.9	1151.2	1120.2	1089.3
147.5°	1254.4	1199.7	1192.2	1162.1	1132.0
150°	1268.6	1221.0	1214.2	1187.0	1159.8
152.5°	1277.9	1234.9	1229.7	1209.1	1188.5
155°	1298.3	1265.5	1261.7	1246.5	1231.2
157.5°	1318.6	1296.1	1292.4	1277.5	1262.7
160°	1327.9	1310.0	1307.2	1295.6	1284.1
162.5°	1337.8	1324.8	1322.6	1314.0	1305.4
165°	1352.0	1346.2	1344.2	1336.4	1328.6
167.5°	1363.1	1358.2	1357.3	1353.5	1349.9
170°	1372.4	1372.2	1371.3	1367.5	1363.7
172.5°	1373.1	1373.1	1372.9	1372.0	1371.2
175°	1378.6	1381.4	1381.4	1381.4	1381.4
177.5°	1379.2	1381.4	1381.4	1381.4	1381.4
180°	1381.4	1381.4	1381.4	1381.4	1381.4



TEST NUMBER: P935766
 CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-3500K

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	14.01	14.85	14.98	15.84	17.14	16.85	17.69	17.82	18.68	19.97
	3H	14.48	15.24	15.47	16.24	17.56	18.19	18.95	19.18	19.94	21.26
	4H	14.67	15.39	15.67	16.39	17.72	18.64	19.35	19.63	20.35	21.68
	6H	14.79	15.45	15.80	16.46	17.80	18.92	19.58	19.93	20.59	21.93
	8H	14.79	15.42	15.81	16.44	17.78	19.00	19.63	20.01	20.65	21.98
	12H	14.76	15.36	15.78	16.37	17.74	19.04	19.63	20.06	20.65	22.01
4H	2H	15.04	15.76	16.04	16.76	18.08	17.25	17.97	18.26	18.97	20.30
	3H	16.07	16.66	17.08	17.69	19.03	18.76	19.36	19.77	20.38	21.73
	4H	16.34	16.89	17.36	17.91	19.27	19.29	19.83	20.31	20.85	22.22
	6H	16.47	16.93	17.50	17.98	19.34	19.65	20.12	20.69	21.17	22.53
	8H	16.47	16.91	17.50	17.95	19.32	19.76	20.20	20.79	21.24	22.61
	12H	16.44	16.83	17.49	17.88	19.27	19.82	20.22	20.87	21.27	22.65
8H	4H	16.79	17.23	17.83	18.27	19.65	19.41	19.85	20.44	20.89	22.26
	6H	17.06	17.42	18.11	18.50	19.87	19.85	20.21	20.91	21.29	22.66
	8H	17.10	17.42	18.16	18.48	19.87	20.00	20.32	21.07	21.38	22.78
	12H	17.08	17.36	18.15	18.42	19.85	20.10	20.38	21.17	21.44	22.87
12H	4H	16.80	17.20	17.85	18.25	19.63	19.37	19.77	20.43	20.82	22.20
	6H	17.12	17.44	18.18	18.50	19.89	19.85	20.16	20.91	21.23	22.62
	8H	17.18	17.46	18.25	18.52	19.96	20.01	20.29	21.08	21.35	22.78