

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: P935627

Luminaire Tested: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935627
REPORT IS A COMBINATION OF REPORTS P933761 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-12-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

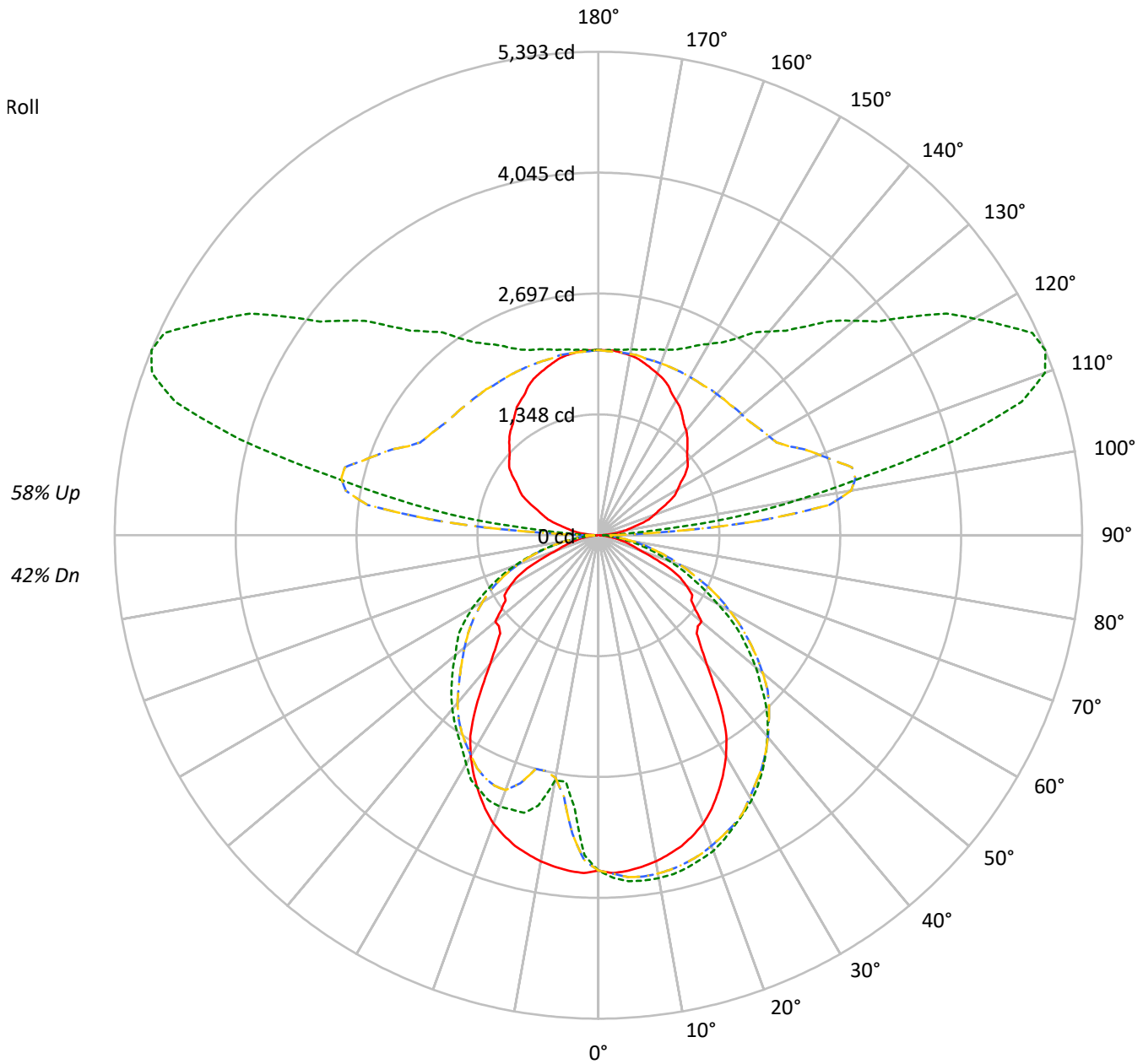
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23096.5 lumens
Efficiency: N/A
Efficacy: 119.5 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 193.2
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: P935627
CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-12-3500K

Luminous Intensity Polar Plot



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



TEST NUMBER: P935627

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-12-3500K

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	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	49	49	49	42
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	41	41	41	35
2	87	80	74	69	80	73	68	64	61	57	54	49	46	44	38	36	35	35	35	35	30
3	80	70	63	57	72	65	58	53	53	49	45	43	40	37	34	31	30	30	30	30	25
4	73	62	54	49	66	57	50	45	47	42	38	38	35	32	30	28	25	25	25	25	22
5	67	55	47	41	61	51	44	39	42	37	33	34	31	27	27	24	22	22	22	22	19
6	62	50	42	36	56	46	39	33	38	33	29	31	27	24	24	22	19	19	19	19	16
7	57	45	37	31	52	41	34	29	34	29	25	28	24	21	22	19	17	17	17	17	15
8	53	40	33	28	48	37	31	26	31	26	22	26	22	19	20	18	15	15	15	15	13
9	49	37	30	25	45	34	27	23	29	24	20	24	20	17	19	16	14	14	14	14	12
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13	13	13	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11567	11567	11567	11567
5°	11658	11677	11658	9181
10°	11584	11502	11584	8223
15°	11463	11253	11463	9396
20°	11227	10958	11227	9416
25°	10741	10527	10741	9216
30°	10111	10170	10111	8779
35°	9019	9717	9019	8297
40°	7519	9185	7519	7933
45°	6723	8562	6723	7515
50°	7147	7819	7147	7095
55°	6731	7018	6731	6852
60°	6948	5961	6948	6276
65°	6309	4927	6309	5508
70°	4379	3927	4379	4617
75°	3855	2903	3855	3476
80°	3130	1919	3130	2089
85°	1834	1016	1834	864

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10297 cd/sqm



TEST NUMBER: P935627

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-12-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.6	1.5
10°-20°	958.5	4.1
20°-30°	1481.6	6.4
30°-40°	1768.8	7.7
40°-50°	1779.1	7.7
50°-60°	1548.0	6.7
60°-70°	1097.6	4.8
70°-80°	580.7	2.5
80°-90°	152.5	0.7
90°-100°	1007.0	4.4
100°-110°	2647.5	11.5
110°-120°	2745.1	11.9
120°-130°	2201.9	9.5
130°-140°	1727.7	7.5
140°-150°	1326.1	5.7
150°-160°	955.0	4.1
160°-170°	584.3	2.5
170°-180°	197.4	0.9
0°-30°	2777.7	12.0
0°-40°	4546.5	19.7
0°-60°	7873.6	34.1
0°-90°	9704.4	42.0
90°-120°	6399.6	27.7
90°-150°	11655.4	50.5
90°-180°	13392.0	58.0
0°-180°	23096.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3740	3740	3740	3740	3740	
5°	3758	3874	3758	3046	3758	356
15°	3588	3839	3588	3206	3588	1009
25°	3160	3581	3160	3135	3160	1451
35°	2402	3195	2402	2728	2402	1486
45°	1550	2632	1550	2310	1550	1241
55°	1263	1942	1263	1896	1263	1161
65°	877	1171	877	1309	877	839
75°	333	556	333	665	333	350
85°	57	142	57	120	57	76
90°	14	53	14	53	14	14
95°	133	609	133	609	133	148
105°	477	4146	477	4146	477	506
115°	847	5338	847	5338	847	837
125°	1178	4251	1178	4251	1178	1046
135°	1404	3298	1404	3298	1404	1087
145°	1629	2676	1629	2676	1629	1021
155°	1841	2304	1841	2304	1841	846
165°	1987	2146	1987	2146	1987	561
175°	2066	2080	2066	2080	2066	196
180°	2066	2066	2066	2066	2066	



TEST NUMBER: P935627

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7
2.5°	3771.6	3771.6	3792.8	3799.9	3799.9	3789.3	3778.6	3789.3	3821.1	3831.7	3828.2
5°	3757.5	3785.8	3824.7	3831.7	3838.8	3835.3	3828.2	3835.3	3870.7	3877.7	3881.3
7.5°	3729.1	3782.2	3831.7	3842.4	3853.0	3842.4	3838.8	3845.9	3881.3	3888.3	3888.3
10°	3693.8	3768.1	3824.7	3831.7	3842.4	3831.7	3831.7	3845.9	3881.3	3888.3	3891.9
12.5°	3644.2	3746.9	3799.9	3807.0	3821.1	3817.6	3814.1	3828.2	3863.6	3870.7	3870.7
15°	3587.6	3707.9	3757.5	3764.5	3789.3	3782.2	3782.2	3796.4	3835.3	3845.9	3842.4
17.5°	3509.8	3658.4	3715.0	3725.6	3743.3	3739.7	3743.3	3757.5	3792.8	3799.9	3803.5
20°	3421.3	3591.2	3658.4	3669.0	3686.7	3686.7	3686.7	3704.4	3739.7	3753.9	3753.9
22.5°	3301.0	3520.4	3591.2	3598.2	3619.5	3619.5	3626.5	3651.3	3683.1	3686.7	3686.7
25°	3159.5	3442.6	3502.7	3524.0	3545.1	3555.8	3566.4	3580.6	3591.2	3587.6	3591.2
27.5°	3010.9	3343.5	3421.3	3435.5	3463.8	3474.4	3488.5	3492.1	3495.6	3506.2	3499.2
30°	2844.6	3205.5	3322.2	3336.4	3382.4	3389.5	3375.4	3382.4	3400.1	3407.2	3414.3
32.5°	2657.1	3000.3	3219.7	3251.5	3293.9	3272.7	3269.2	3279.8	3308.1	3308.1	3315.2
35°	2402.4	2841.1	3124.2	3152.5	3184.2	3159.5	3173.6	3177.2	3194.9	3205.5	3202.0
37.5°	2122.8	2703.1	3025.1	3046.3	3071.1	3039.2	3060.4	3071.1	3085.3	3078.1	3078.1
40°	1875.2	2487.3	2908.3	2922.4	2943.7	2919.0	2940.1	2947.3	2954.3	2947.3	2943.7
42.5°	1691.2	2250.2	2784.4	2802.2	2788.0	2805.7	2812.7	2826.9	2816.3	2802.2	2802.2
45°	1549.7	2186.6	2650.0	2671.3	2650.0	2678.3	2688.9	2688.9	2657.1	2650.0	2646.5
47.5°	1503.7	2059.2	2515.6	2515.6	2505.0	2540.3	2558.1	2533.3	2501.4	2490.9	2490.9
50°	1500.1	1917.6	2331.6	2317.4	2367.0	2409.4	2391.8	2367.0	2342.2	2303.3	2303.3
52.5°	1362.1	1744.3	2094.5	2147.6	2225.5	2250.2	2221.9	2197.2	2154.7	2137.0	2122.8
55°	1263.1	1563.9	1878.7	1984.8	2066.2	2098.1	2045.0	2020.3	1956.5	1945.9	1938.9
57.5°	1241.9	1302.0	1680.6	1815.1	1914.1	1910.6	1878.7	1832.7	1779.6	1769.1	1765.5
60°	1139.3	941.1	1468.3	1627.5	1730.2	1719.5	1691.2	1648.8	1599.2	1592.2	1585.0
62.5°	1033.1	682.9	1227.7	1408.2	1553.2	1549.7	1525.0	1461.2	1425.9	1408.2	1394.0
65°	877.4	573.2	873.9	1171.1	1379.8	1387.0	1333.8	1287.9	1249.0	1227.7	1224.1
67.5°	668.7	467.0	590.8	976.5	1213.6	1206.5	1139.3	1118.0	1068.5	1057.8	1036.7
70°	495.3	311.3	410.4	792.6	1050.8	1033.1	980.0	955.3	909.3	884.5	870.4
72.5°	410.4	251.2	300.7	615.6	884.5	863.3	817.3	789.0	750.1	728.8	714.7
75°	332.6	265.4	229.9	456.4	718.2	704.1	661.6	633.3	601.4	573.2	576.7
77.5°	244.1	247.7	184.0	336.2	569.7	548.4	523.6	488.3	474.1	445.8	445.8
80°	184.0	194.6	138.0	229.9	410.4	410.4	389.2	364.5	339.6	325.5	325.5
82.5°	123.8	123.8	102.6	145.1	279.5	268.9	254.8	247.7	233.5	226.5	226.5
85°	56.6	70.8	63.6	88.5	152.1	159.2	159.2	152.1	148.6	141.5	145.1
87.5°	17.7	31.9	38.9	49.5	77.8	81.4	84.9	84.9	84.9	88.5	88.5
90°	13.8	24.9	36.1	38.8	61.0	90.5	105.3	93.6	70.2	52.7	52.7
92.5°	55.4	149.7	244.0	267.6	376.2	521.0	593.4	520.0	373.4	263.4	253.0
95°	133.1	305.6	478.2	521.3	925.6	1464.9	1734.4	1547.7	1174.3	894.3	862.5
97.5°	230.1	382.3	534.6	572.6	1246.9	2145.9	2595.5	2477.5	2241.5	2064.5	2004.0
100°	305.0	443.1	581.1	615.6	1363.8	2361.5	2860.3	2869.0	2886.2	2899.1	2827.2
102.5°	368.8	497.6	626.4	658.6	1417.5	2429.3	2935.2	3085.5	3386.2	3611.8	3550.2
105°	476.9	586.0	695.1	722.4	1457.2	2436.9	2926.8	3263.9	3938.1	4443.6	4410.5
107.5°	587.9	689.5	791.2	816.7	1464.6	2328.6	2760.5	3230.7	4170.9	4876.2	4884.2
110°	662.8	754.5	846.4	869.3	1453.5	2232.4	2621.8	3147.5	4198.7	4987.2	5021.7



TEST NUMBER: P935627

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	736.2	823.7	911.2	933.1	1453.9	2148.4	2495.7	3033.7	4109.5	4916.5	4969.5
115°	847.1	927.8	1008.6	1028.7	1467.4	2052.1	2344.6	2862.8	3899.2	4676.6	4750.1
117.5°	956.7	1030.0	1103.4	1121.7	1494.6	1991.9	2240.6	2708.3	3643.7	4345.2	4426.7
120°	1020.4	1089.4	1158.5	1175.8	1516.8	1971.6	2199.0	2626.4	3481.0	4122.0	4201.2
122.5°	1082.8	1152.5	1222.1	1239.5	1548.7	1961.0	2167.1	2551.9	3321.5	3898.8	3976.9
125°	1178.5	1242.0	1305.5	1321.3	1591.7	1952.2	2132.4	2459.3	3113.1	3603.4	3675.4
127.5°	1256.2	1320.3	1384.4	1400.3	1634.7	1947.1	2103.3	2383.9	2945.3	3366.3	3427.0
130°	1297.8	1366.8	1435.8	1453.0	1666.1	1950.2	2092.2	2342.1	2841.8	3216.6	3272.7
132.5°	1340.7	1409.7	1478.8	1496.0	1691.5	1952.2	2082.5	2306.2	2753.6	3089.1	3139.3
135°	1404.5	1467.4	1530.2	1545.9	1719.3	1950.4	2065.9	2253.2	2627.9	2908.9	2952.2
137.5°	1469.7	1531.9	1594.1	1609.7	1760.8	1962.3	2063.1	2221.5	2538.2	2775.7	2811.1
140°	1523.7	1581.0	1638.3	1652.7	1786.2	1964.3	2053.4	2190.1	2463.7	2668.9	2702.1
142.5°	1565.3	1618.3	1671.3	1684.6	1807.5	1971.4	2053.4	2173.5	2413.9	2594.1	2622.6
145°	1629.1	1675.4	1721.6	1733.1	1835.2	1971.4	2039.5	2137.8	2334.4	2481.8	2503.4
147.5°	1692.9	1737.8	1782.8	1794.1	1875.9	1985.0	2039.5	2116.8	2271.5	2387.5	2405.3
150°	1734.4	1775.2	1815.9	1826.0	1897.2	1992.1	2039.5	2104.9	2235.5	2333.4	2347.9
152.5°	1777.5	1808.3	1839.2	1846.8	1911.1	1996.7	2039.5	2095.3	2206.8	2290.5	2301.4
155°	1841.2	1864.1	1886.8	1892.5	1941.5	2006.9	2039.5	2083.9	2172.6	2239.1	2246.4
157.5°	1888.4	1910.6	1932.8	1938.3	1972.1	2017.1	2039.5	2074.0	2143.0	2194.8	2199.9
160°	1920.3	1937.5	1954.8	1959.1	1985.9	2021.7	2039.5	2069.1	2128.3	2172.6	2175.6
162.5°	1952.2	1965.1	1978.0	1981.3	2000.7	2026.6	2039.5	2064.5	2114.4	2151.8	2154.6
165°	1986.8	1998.5	2010.2	2013.1	2022.0	2033.7	2039.5	2057.4	2093.1	2119.9	2122.8
167.5°	2018.7	2024.3	2029.8	2031.2	2038.6	2048.5	2053.4	2065.1	2088.5	2106.0	2107.3
170°	2039.5	2045.1	2050.6	2052.0	2052.4	2053.0	2053.4	2065.1	2088.5	2106.0	2106.0
172.5°	2050.6	2051.9	2053.1	2053.4	2053.4	2053.4	2053.4	2062.7	2081.1	2095.0	2093.9
175°	2065.9	2065.9	2065.9	2065.9	2061.7	2056.2	2053.4	2059.3	2071.0	2079.7	2079.7
177.5°	2065.9	2065.9	2065.9	2065.9	2062.7	2058.3	2056.2	2060.8	2070.0	2076.9	2075.7
180°	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9



TEST NUMBER: P935627

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7
2.5°	3835.3	3824.7	3835.3	3828.2	3831.7	3821.1	3789.3	3778.6	3789.3	3799.9	3799.9
5°	3881.3	3874.2	3881.3	3881.3	3877.7	3870.7	3835.3	3828.2	3835.3	3838.8	3831.7
7.5°	3895.4	3884.9	3895.4	3888.3	3888.3	3881.3	3845.9	3838.8	3842.4	3853.0	3842.4
10°	3895.4	3884.9	3895.4	3891.9	3888.3	3881.3	3845.9	3831.7	3831.7	3842.4	3831.7
12.5°	3877.7	3870.7	3877.7	3870.7	3870.7	3863.6	3828.2	3814.1	3817.6	3821.1	3807.0
15°	3849.4	3838.8	3849.4	3842.4	3845.9	3835.3	3796.4	3782.2	3782.2	3789.3	3764.5
17.5°	3807.0	3792.8	3807.0	3803.5	3799.9	3792.8	3757.5	3743.3	3739.7	3743.3	3725.6
20°	3757.5	3746.9	3757.5	3753.9	3753.9	3739.7	3704.4	3686.7	3686.7	3686.7	3669.0
22.5°	3679.6	3669.0	3679.6	3686.7	3686.7	3683.1	3651.3	3626.5	3619.5	3619.5	3598.2
25°	3591.2	3580.6	3591.2	3591.2	3587.6	3591.2	3580.6	3566.4	3555.8	3545.1	3524.0
27.5°	3506.2	3499.2	3506.2	3499.2	3506.2	3495.6	3492.1	3488.5	3474.4	3463.8	3435.5
30°	3421.3	3414.3	3421.3	3414.3	3407.2	3400.1	3382.4	3375.4	3389.5	3382.4	3336.4
32.5°	3315.2	3308.1	3315.2	3315.2	3308.1	3308.1	3279.8	3269.2	3272.7	3293.9	3251.5
35°	3205.5	3194.9	3205.5	3202.0	3205.5	3194.9	3177.2	3173.6	3159.5	3184.2	3152.5
37.5°	3078.1	3067.5	3078.1	3078.1	3078.1	3085.3	3071.1	3060.4	3039.2	3071.1	3046.3
40°	2947.3	2933.1	2947.3	2943.7	2947.3	2954.3	2947.3	2940.1	2919.0	2943.7	2922.4
42.5°	2798.6	2795.1	2798.6	2802.2	2802.2	2816.3	2826.9	2812.7	2805.7	2788.0	2802.2
45°	2639.4	2632.3	2639.4	2646.5	2650.0	2657.1	2688.9	2688.9	2678.3	2650.0	2671.3
47.5°	2469.6	2451.9	2469.6	2490.9	2490.9	2501.4	2533.3	2558.1	2540.3	2505.0	2515.6
50°	2289.1	2292.7	2289.1	2303.3	2303.3	2342.2	2367.0	2391.8	2409.4	2367.0	2317.4
52.5°	2112.2	2108.7	2112.2	2122.8	2137.0	2154.7	2197.2	2221.9	2250.2	2225.5	2147.6
55°	1935.3	1942.4	1935.3	1938.9	1945.9	1956.5	2020.3	2045.0	2098.1	2066.2	1984.8
57.5°	1758.5	1747.8	1758.5	1765.5	1769.1	1779.6	1832.7	1878.7	1910.6	1914.1	1815.1
60°	1553.2	1539.1	1553.2	1585.0	1592.2	1599.2	1648.8	1691.2	1719.5	1730.2	1627.5
62.5°	1372.8	1348.0	1372.8	1394.0	1408.2	1425.9	1461.2	1525.0	1549.7	1553.2	1408.2
65°	1181.7	1171.1	1181.7	1224.1	1227.7	1249.0	1287.9	1333.8	1387.0	1379.8	1171.1
67.5°	1008.4	1008.4	1008.4	1036.7	1057.8	1068.5	1118.0	1139.3	1206.5	1213.6	976.5
70°	849.1	845.6	849.1	870.4	884.5	909.3	955.3	980.0	1033.1	1050.8	792.6
72.5°	697.0	693.5	697.0	714.7	728.8	750.1	789.0	817.3	863.3	884.5	615.6
75°	562.5	555.5	562.5	576.7	573.2	601.4	633.3	661.6	704.1	718.2	456.4
77.5°	431.7	431.7	431.7	445.8	445.8	474.1	488.3	523.6	548.4	569.7	336.2
80°	322.0	318.4	322.0	325.5	325.5	339.6	364.5	389.2	410.4	410.4	229.9
82.5°	226.5	219.3	226.5	226.5	226.5	233.5	247.7	254.8	268.9	279.5	145.1
85°	141.5	141.5	141.5	145.1	141.5	148.6	152.1	159.2	159.2	152.1	88.5
87.5°	92.0	88.5	92.0	88.5	88.5	84.9	84.9	84.9	81.4	77.8	49.5
90°	52.7	52.7	52.7	52.7	52.7	70.2	93.6	105.3	90.5	61.0	38.8
92.5°	211.0	169.2	211.0	253.0	263.4	373.4	520.0	593.4	521.0	376.2	267.6
95°	735.6	608.7	735.6	862.5	894.3	1174.3	1547.7	1734.4	1464.9	925.6	521.3
97.5°	1762.5	1520.9	1762.5	2004.0	2064.5	2241.5	2477.5	2595.5	2145.9	1246.9	572.6
100°	2539.4	2251.6	2539.4	2827.2	2899.1	2886.2	2869.0	2860.3	2361.5	1363.8	615.6
102.5°	3303.7	3057.2	3303.7	3550.2	3611.8	3386.2	3085.5	2935.2	2429.3	1417.5	658.6
105°	4278.1	4145.6	4278.1	4410.5	4443.6	3938.1	3263.9	2926.8	2436.9	1457.2	722.4
107.5°	4916.3	4948.3	4916.3	4884.2	4876.2	4170.9	3230.7	2760.5	2328.6	1464.6	816.7
110°	5159.7	5297.7	5159.7	5021.7	4987.2	4198.7	3147.5	2621.8	2232.4	1453.5	869.3



TEST NUMBER: P935627

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5181.4	5393.4	5181.4	4969.5	4916.5	4109.5	3033.7	2495.7	2148.4	1453.9	933.1
115°	5044.0	5338.0	5044.0	4750.1	4676.6	3899.2	2862.8	2344.6	2052.1	1467.4	1028.7
117.5°	4752.7	5078.7	4752.7	4426.7	4345.2	3643.7	2708.3	2240.6	1991.9	1494.6	1121.7
120°	4517.9	4834.6	4517.9	4201.2	4122.0	3481.0	2626.4	2199.0	1971.6	1516.8	1175.8
122.5°	4289.3	4601.7	4289.3	3976.9	3898.8	3321.5	2551.9	2167.1	1961.0	1548.7	1239.5
125°	3963.1	4250.9	3963.1	3675.4	3603.4	3113.1	2459.3	2132.4	1952.2	1591.7	1321.3
127.5°	3669.8	3912.6	3669.8	3427.0	3366.3	2945.3	2383.9	2103.3	1947.1	1634.7	1400.3
130°	3497.0	3721.3	3497.0	3272.7	3216.6	2841.8	2342.1	2092.2	1950.2	1666.1	1453.0
132.5°	3340.2	3541.0	3340.2	3139.3	3089.1	2753.6	2306.2	2082.5	1952.2	1691.5	1496.0
135°	3125.2	3298.4	3125.2	2952.2	2908.9	2627.9	2253.2	2065.9	1950.4	1719.3	1545.9
137.5°	2952.9	3094.6	2952.9	2811.1	2775.7	2538.2	2221.5	2063.1	1962.3	1760.8	1609.7
140°	2834.6	2967.1	2834.6	2702.1	2668.9	2463.7	2190.1	2053.4	1964.3	1786.2	1652.7
142.5°	2736.6	2850.6	2736.6	2622.6	2594.1	2413.9	2173.5	2053.4	1971.4	1807.5	1684.6
145°	2589.6	2675.9	2589.6	2503.4	2481.8	2334.4	2137.8	2039.5	1971.4	1835.2	1733.1
147.5°	2476.8	2548.3	2476.8	2405.3	2387.5	2271.5	2116.8	2039.5	1985.0	1875.9	1794.1
150°	2405.9	2463.8	2405.9	2347.9	2333.4	2235.5	2104.9	2039.5	1992.1	1897.2	1826.0
152.5°	2345.2	2388.9	2345.2	2301.4	2290.5	2206.8	2095.3	2039.5	1996.7	1911.1	1846.8
155°	2275.4	2304.3	2275.4	2246.4	2239.1	2172.6	2083.9	2039.5	2006.9	1941.5	1892.5
157.5°	2220.2	2240.6	2220.2	2199.9	2194.8	2143.0	2074.0	2039.5	2017.1	1972.1	1938.3
160°	2187.3	2199.0	2187.3	2175.6	2172.6	2128.3	2069.1	2039.5	2021.7	1985.9	1959.1
162.5°	2165.7	2176.7	2165.7	2154.6	2151.8	2114.4	2064.5	2039.5	2026.6	2000.7	1981.3
165°	2134.5	2146.3	2134.5	2122.8	2119.9	2093.1	2057.4	2039.5	2033.7	2022.0	2013.1
167.5°	2112.2	2117.1	2112.2	2107.3	2106.0	2088.5	2065.1	2053.4	2048.5	2038.6	2031.2
170°	2106.0	2106.0	2106.0	2106.0	2106.0	2088.5	2065.1	2053.4	2053.0	2052.4	2052.0
172.5°	2089.5	2085.2	2089.5	2093.9	2095.0	2081.1	2062.7	2053.4	2053.4	2053.4	2053.4
175°	2079.7	2079.7	2079.7	2079.7	2079.7	2071.0	2059.3	2053.4	2056.2	2061.7	2065.9
177.5°	2070.8	2065.9	2070.8	2075.7	2076.9	2070.0	2060.8	2056.2	2058.3	2062.7	2065.9
180°	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9



TEST NUMBER: P935627

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7
2.5°	3792.8	3771.6	3771.6	3736.2	3722.0	3711.4	3693.8	3640.7	3626.5	3612.3	3633.6
5°	3824.7	3785.8	3757.5	3693.8	3640.7	3619.5	3552.3	3424.9	3339.9	3276.3	3240.9
7.5°	3831.7	3782.2	3729.1	3630.1	3502.7	3446.1	3240.9	3007.4	2943.7	2887.1	2851.7
10°	3824.7	3768.1	3693.8	3545.1	3244.4	3145.3	2940.1	2788.0	2749.1	2738.5	2749.1
12.5°	3799.9	3746.9	3644.2	3396.6	2975.5	2908.3	2788.0	2699.6	2692.5	2710.2	2805.7
15°	3757.5	3707.9	3587.6	3198.4	2826.9	2777.4	2692.5	2660.6	2699.6	2823.4	3110.0
17.5°	3715.0	3658.4	3509.8	3003.8	2713.7	2678.3	2618.1	2681.9	2901.2	3067.5	3163.1
20°	3658.4	3591.2	3421.3	2862.3	2632.3	2600.5	2572.2	2858.8	3025.1	3085.3	3138.3
22.5°	3591.2	3520.4	3301.0	2763.3	2547.4	2522.6	2540.3	2957.9	3025.1	3067.5	3113.5
25°	3502.7	3442.6	3159.5	2685.4	2480.2	2451.9	2519.2	2947.3	2986.2	2996.8	3088.7
27.5°	3421.3	3343.5	3010.9	2614.7	2398.8	2388.2	2536.8	2901.2	2929.6	2940.1	3039.2
30°	3322.2	3205.5	2844.6	2540.3	2313.9	2310.4	2540.3	2844.6	2837.5	2865.8	2964.9
32.5°	3219.7	3000.3	2657.1	2448.4	2232.5	2229.0	2515.6	2759.7	2752.7	2791.6	2865.8
35°	3124.2	2841.1	2402.4	2342.2	2130.0	2133.5	2455.4	2660.6	2664.2	2699.6	2745.5
37.5°	3025.1	2703.1	2122.8	2225.5	2030.9	2030.9	2374.0	2568.7	2561.6	2572.2	2635.9
40°	2908.3	2487.3	1875.2	2073.3	1938.9	1928.2	2275.0	2469.6	2444.8	2441.3	2529.8
42.5°	2784.4	2250.2	1691.2	1871.6	1832.7	1818.5	2154.7	2349.3	2303.3	2313.9	2427.1
45°	2650.0	2186.6	1549.7	1581.5	1723.0	1712.4	2023.7	2211.3	2179.4	2207.8	2324.6
47.5°	2515.6	2059.2	1503.7	1312.6	1606.3	1602.8	1878.7	2076.9	2059.2	2087.5	2211.3
50°	2331.6	1917.6	1500.1	1125.1	1475.4	1489.5	1705.4	1945.9	1945.9	1970.7	2101.6
52.5°	2094.5	1744.3	1362.1	1018.9	1323.2	1365.7	1553.2	1832.7	1839.8	1864.6	1981.3
55°	1878.7	1563.9	1263.1	937.6	1142.8	1234.8	1404.6	1716.0	1730.2	1754.9	1861.0
57.5°	1680.6	1302.0	1241.9	842.1	976.5	1065.0	1273.7	1602.8	1609.8	1631.1	1733.6
60°	1468.3	941.1	1139.3	739.4	831.5	898.7	1153.4	1468.3	1493.1	1507.2	1595.6
62.5°	1227.7	682.9	1033.1	668.7	760.7	774.9	1054.4	1340.9	1372.8	1383.4	1436.5
65°	873.9	573.2	877.4	608.6	686.4	689.9	948.2	1210.0	1238.3	1256.0	1294.9
67.5°	590.8	467.0	668.7	551.9	629.7	633.3	845.6	1057.8	1096.8	1111.0	1135.8
70°	410.4	311.3	495.3	491.8	566.1	573.2	736.0	919.9	955.3	965.9	980.0
72.5°	300.7	251.2	410.4	442.3	498.9	505.9	622.7	764.3	799.6	810.2	817.3
75°	229.9	265.4	332.6	385.6	424.5	428.1	509.5	622.7	647.5	654.6	658.0
77.5°	184.0	247.7	244.1	311.3	346.7	339.6	399.8	481.2	502.4	502.4	502.4
80°	138.0	194.6	184.0	222.9	254.8	247.7	286.6	343.2	350.3	357.3	353.8
82.5°	102.6	123.8	123.8	141.5	169.9	162.7	191.0	222.9	222.9	222.9	229.9
85°	63.6	70.8	56.6	74.3	95.5	92.0	106.1	120.3	123.8	123.8	116.8
87.5°	38.9	31.9	17.7	28.3	42.5	42.5	49.5	53.1	49.5	49.5	49.5
90°	36.1	24.9	13.8	24.9	36.1	38.8	61.0	90.5	105.3	93.6	70.2
92.5°	244.0	149.7	55.4	149.7	244.0	267.6	376.2	521.0	593.4	520.0	373.4
95°	478.2	305.6	133.1	305.6	478.2	521.3	925.6	1464.9	1734.4	1547.7	1174.3
97.5°	534.6	382.3	230.1	382.3	534.6	572.6	1246.9	2145.9	2595.5	2477.5	2241.5
100°	581.1	443.1	305.0	443.1	581.1	615.6	1363.8	2361.5	2860.3	2869.0	2886.2
102.5°	626.4	497.6	368.8	497.6	626.4	658.6	1417.5	2429.3	2935.2	3085.5	3386.2
105°	695.1	586.0	476.9	586.0	695.1	722.4	1457.2	2436.9	2926.8	3263.9	3938.1
107.5°	791.2	689.5	587.9	689.5	791.2	816.7	1464.6	2328.6	2760.5	3230.7	4170.9
110°	846.4	754.5	662.8	754.5	846.4	869.3	1453.5	2232.4	2621.8	3147.5	4198.7



TEST NUMBER: P935627

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	911.2	823.7	736.2	823.7	911.2	933.1	1453.9	2148.4	2495.7	3033.7	4109.5
115°	1008.6	927.8	847.1	927.8	1008.6	1028.7	1467.4	2052.1	2344.6	2862.8	3899.2
117.5°	1103.4	1030.0	956.7	1030.0	1103.4	1121.7	1494.6	1991.9	2240.6	2708.3	3643.7
120°	1158.5	1089.4	1020.4	1089.4	1158.5	1175.8	1516.8	1971.6	2199.0	2626.4	3481.0
122.5°	1222.1	1152.5	1082.8	1152.5	1222.1	1239.5	1548.7	1961.0	2167.1	2551.9	3321.5
125°	1305.5	1242.0	1178.5	1242.0	1305.5	1321.3	1591.7	1952.2	2132.4	2459.3	3113.1
127.5°	1384.4	1320.3	1256.2	1320.3	1384.4	1400.3	1634.7	1947.1	2103.3	2383.9	2945.3
130°	1435.8	1366.8	1297.8	1366.8	1435.8	1453.0	1666.1	1950.2	2092.2	2342.1	2841.8
132.5°	1478.8	1409.7	1340.7	1409.7	1478.8	1496.0	1691.5	1952.2	2082.5	2306.2	2753.6
135°	1530.2	1467.4	1404.5	1467.4	1530.2	1545.9	1719.3	1950.4	2065.9	2253.2	2627.9
137.5°	1594.1	1531.9	1469.7	1531.9	1594.1	1609.7	1760.8	1962.3	2063.1	2221.5	2538.2
140°	1638.3	1581.0	1523.7	1581.0	1638.3	1652.7	1786.2	1964.3	2053.4	2190.1	2463.7
142.5°	1671.3	1618.3	1565.3	1618.3	1671.3	1684.6	1807.5	1971.4	2053.4	2173.5	2413.9
145°	1721.6	1675.4	1629.1	1675.4	1721.6	1733.1	1835.2	1971.4	2039.5	2137.8	2334.4
147.5°	1782.8	1737.8	1692.9	1737.8	1782.8	1794.1	1875.9	1985.0	2039.5	2116.8	2271.5
150°	1815.9	1775.2	1734.4	1775.2	1815.9	1826.0	1897.2	1992.1	2039.5	2104.9	2235.5
152.5°	1839.2	1808.3	1777.5	1808.3	1839.2	1846.8	1911.1	1996.7	2039.5	2095.3	2206.8
155°	1886.8	1864.1	1841.2	1864.1	1886.8	1892.5	1941.5	2006.9	2039.5	2083.9	2172.6
157.5°	1932.8	1910.6	1888.4	1910.6	1932.8	1938.3	1972.1	2017.1	2039.5	2074.0	2143.0
160°	1954.8	1937.5	1920.3	1937.5	1954.8	1959.1	1985.9	2021.7	2039.5	2069.1	2128.3
162.5°	1978.0	1965.1	1952.2	1965.1	1978.0	1981.3	2000.7	2026.6	2039.5	2064.5	2114.4
165°	2010.2	1998.5	1986.8	1998.5	2010.2	2013.1	2022.0	2033.7	2039.5	2057.4	2093.1
167.5°	2029.8	2024.3	2018.7	2024.3	2029.8	2031.2	2038.6	2048.5	2053.4	2065.1	2088.5
170°	2050.6	2045.1	2039.5	2045.1	2050.6	2052.0	2052.4	2053.0	2053.4	2065.1	2088.5
172.5°	2053.1	2051.9	2050.6	2051.9	2053.1	2053.4	2053.4	2053.4	2053.4	2062.7	2081.1
175°	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2061.7	2056.2	2053.4	2059.3	2071.0
177.5°	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2062.7	2058.3	2056.2	2060.8	2070.0
180°	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9



TEST NUMBER: P935627

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7
2.5°	3608.9	3598.2	3612.3	3573.4	3612.3	3598.2	3608.9	3633.6	3612.3	3626.5	3640.7
5°	3166.6	3148.9	3092.3	3046.3	3092.3	3148.9	3166.6	3240.9	3276.3	3339.9	3424.9
7.5°	2830.5	2816.3	2802.2	2773.8	2802.2	2816.3	2830.5	2851.7	2887.1	2943.7	3007.4
10°	2756.1	2759.7	2781.0	2777.4	2781.0	2759.7	2756.1	2749.1	2738.5	2749.1	2788.0
12.5°	2947.3	2979.0	3095.8	3088.7	3095.8	2979.0	2947.3	2805.7	2710.2	2692.5	2699.6
15°	3166.6	3177.2	3202.0	3205.5	3202.0	3177.2	3166.6	3110.0	2823.4	2699.6	2660.6
17.5°	3187.8	3191.4	3209.1	3209.1	3209.1	3191.4	3187.8	3163.1	3067.5	2901.2	2681.9
20°	3170.1	3177.2	3212.5	3219.7	3212.5	3177.2	3170.1	3138.3	3085.3	3025.1	2858.8
22.5°	3163.1	3177.2	3205.5	3202.0	3205.5	3177.2	3163.1	3113.5	3067.5	3025.1	2957.9
25°	3127.7	3127.7	3131.2	3134.7	3131.2	3127.7	3127.7	3088.7	2996.8	2986.2	2947.3
27.5°	3053.4	3060.4	3081.7	3078.1	3081.7	3060.4	3053.4	3039.2	2940.1	2929.6	2901.2
30°	2986.2	2979.0	2961.4	2947.3	2961.4	2979.0	2986.2	2964.9	2865.8	2837.5	2844.6
32.5°	2872.9	2855.2	2837.5	2826.9	2837.5	2855.2	2872.9	2865.8	2791.6	2752.7	2759.7
35°	2738.5	2742.0	2738.5	2727.8	2738.5	2742.0	2738.5	2745.5	2699.6	2664.2	2660.6
37.5°	2643.0	2650.0	2646.5	2632.3	2646.5	2650.0	2643.0	2635.9	2572.2	2561.6	2568.7
40°	2543.9	2547.4	2543.9	2533.3	2543.9	2547.4	2543.9	2529.8	2441.3	2444.8	2469.6
42.5°	2448.4	2444.8	2434.2	2427.1	2434.2	2444.8	2448.4	2427.1	2313.9	2303.3	2349.3
45°	2338.7	2342.2	2321.0	2310.4	2321.0	2342.2	2338.7	2324.6	2207.8	2179.4	2211.3
47.5°	2229.0	2229.0	2211.3	2200.7	2211.3	2229.0	2229.0	2211.3	2087.5	2059.2	2076.9
50°	2112.2	2108.7	2083.9	2080.4	2083.9	2108.7	2112.2	2101.6	1970.7	1945.9	1945.9
52.5°	1977.8	1977.8	1981.3	1988.4	1981.3	1977.8	1977.8	1981.3	1864.6	1839.8	1832.7
55°	1861.0	1864.6	1889.3	1896.4	1889.3	1864.6	1861.0	1861.0	1754.9	1730.2	1716.0
57.5°	1740.7	1740.7	1758.5	1758.5	1758.5	1740.7	1740.7	1733.6	1631.1	1609.8	1602.8
60°	1602.8	1609.8	1623.9	1620.5	1623.9	1609.8	1602.8	1595.6	1507.2	1493.1	1468.3
62.5°	1457.6	1464.8	1468.3	1461.2	1468.3	1464.8	1457.6	1436.5	1383.4	1372.8	1340.9
65°	1305.5	1312.6	1316.2	1309.1	1316.2	1312.6	1305.5	1294.9	1256.0	1238.3	1210.0
67.5°	1149.9	1146.3	1142.8	1156.9	1142.8	1146.3	1149.9	1135.8	1111.0	1096.8	1057.8
70°	990.6	990.6	987.1	994.2	987.1	990.6	990.6	980.0	965.9	955.3	919.9
72.5°	820.9	817.3	831.5	820.9	831.5	817.3	820.9	817.3	810.2	799.6	764.3
75°	654.6	661.6	654.6	665.2	654.6	661.6	654.6	658.0	654.6	647.5	622.7
77.5°	498.9	505.9	498.9	498.9	498.9	505.9	498.9	502.4	502.4	502.4	481.2
80°	353.8	350.3	350.3	346.7	350.3	350.3	353.8	353.8	357.3	350.3	343.2
82.5°	226.5	222.9	222.9	229.9	222.9	222.9	226.5	229.9	222.9	222.9	222.9
85°	123.8	127.4	120.3	120.3	120.3	127.4	123.8	116.8	123.8	123.8	120.3
87.5°	46.0	42.5	42.5	42.5	42.5	42.5	46.0	49.5	49.5	49.5	53.1
90°	52.7	52.7	52.7	52.7	52.7	52.7	52.7	70.2	93.6	105.3	90.5
92.5°	263.4	253.0	211.0	169.2	211.0	253.0	263.4	373.4	520.0	593.4	521.0
95°	894.3	862.5	735.6	608.7	735.6	862.5	894.3	1174.3	1547.7	1734.4	1464.9
97.5°	2064.5	2004.0	1762.5	1520.9	1762.5	2004.0	2064.5	2241.5	2477.5	2595.5	2145.9
100°	2899.1	2827.2	2539.4	2251.6	2539.4	2827.2	2899.1	2886.2	2869.0	2860.3	2361.5
102.5°	3611.8	3550.2	3303.7	3057.2	3303.7	3550.2	3611.8	3386.2	3085.5	2935.2	2429.3
105°	4443.6	4410.5	4278.1	4145.6	4278.1	4410.5	4443.6	3938.1	3263.9	2926.8	2436.9
107.5°	4876.2	4884.2	4916.3	4948.3	4916.3	4884.2	4876.2	4170.9	3230.7	2760.5	2328.6
110°	4987.2	5021.7	5159.7	5297.7	5159.7	5021.7	4987.2	4198.7	3147.5	2621.8	2232.4



TEST NUMBER: P935627

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4916.5	4969.5	5181.4	5393.4	5181.4	4969.5	4916.5	4109.5	3033.7	2495.7	2148.4
115°	4676.6	4750.1	5044.0	5338.0	5044.0	4750.1	4676.6	3899.2	2862.8	2344.6	2052.1
117.5°	4345.2	4426.7	4752.7	5078.7	4752.7	4426.7	4345.2	3643.7	2708.3	2240.6	1991.9
120°	4122.0	4201.2	4517.9	4834.6	4517.9	4201.2	4122.0	3481.0	2626.4	2199.0	1971.6
122.5°	3898.8	3976.9	4289.3	4601.7	4289.3	3976.9	3898.8	3321.5	2551.9	2167.1	1961.0
125°	3603.4	3675.4	3963.1	4250.9	3963.1	3675.4	3603.4	3113.1	2459.3	2132.4	1952.2
127.5°	3366.3	3427.0	3669.8	3912.6	3669.8	3427.0	3366.3	2945.3	2383.9	2103.3	1947.1
130°	3216.6	3272.7	3497.0	3721.3	3497.0	3272.7	3216.6	2841.8	2342.1	2092.2	1950.2
132.5°	3089.1	3139.3	3340.2	3541.0	3340.2	3139.3	3089.1	2753.6	2306.2	2082.5	1952.2
135°	2908.9	2952.2	3125.2	3298.4	3125.2	2952.2	2908.9	2627.9	2253.2	2065.9	1950.4
137.5°	2775.7	2811.1	2952.9	3094.6	2952.9	2811.1	2775.7	2538.2	2221.5	2063.1	1962.3
140°	2668.9	2702.1	2834.6	2967.1	2834.6	2702.1	2668.9	2463.7	2190.1	2053.4	1964.3
142.5°	2594.1	2622.6	2736.6	2850.6	2736.6	2622.6	2594.1	2413.9	2173.5	2053.4	1971.4
145°	2481.8	2503.4	2589.6	2675.9	2589.6	2503.4	2481.8	2334.4	2137.8	2039.5	1971.4
147.5°	2387.5	2405.3	2476.8	2548.3	2476.8	2405.3	2387.5	2271.5	2116.8	2039.5	1985.0
150°	2333.4	2347.9	2405.9	2463.8	2405.9	2347.9	2333.4	2235.5	2104.9	2039.5	1992.1
152.5°	2290.5	2301.4	2345.2	2388.9	2345.2	2301.4	2290.5	2206.8	2095.3	2039.5	1996.7
155°	2239.1	2246.4	2275.4	2304.3	2275.4	2246.4	2239.1	2172.6	2083.9	2039.5	2006.9
157.5°	2194.8	2199.9	2220.2	2240.6	2220.2	2199.9	2194.8	2143.0	2074.0	2039.5	2017.1
160°	2172.6	2175.6	2187.3	2199.0	2187.3	2175.6	2172.6	2128.3	2069.1	2039.5	2021.7
162.5°	2151.8	2154.6	2165.7	2176.7	2165.7	2154.6	2151.8	2114.4	2064.5	2039.5	2026.6
165°	2119.9	2122.8	2134.5	2146.3	2134.5	2122.8	2119.9	2093.1	2057.4	2039.5	2033.7
167.5°	2106.0	2107.3	2112.2	2117.1	2112.2	2107.3	2106.0	2088.5	2065.1	2053.4	2048.5
170°	2106.0	2106.0	2106.0	2106.0	2106.0	2106.0	2106.0	2088.5	2065.1	2053.4	2053.0
172.5°	2095.0	2093.9	2089.5	2085.2	2089.5	2093.9	2095.0	2081.1	2062.7	2053.4	2053.4
175°	2079.7	2079.7	2079.7	2079.7	2079.7	2079.7	2079.7	2071.0	2059.3	2053.4	2056.2
177.5°	2076.9	2075.7	2070.8	2065.9	2070.8	2075.7	2076.9	2070.0	2060.8	2056.2	2058.3
180°	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9



TEST NUMBER: P935627

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3739.7	3739.7	3739.7	3739.7	3739.7
2.5°	3693.8	3711.4	3722.0	3736.2	3771.6
5°	3552.3	3619.5	3640.7	3693.8	3757.5
7.5°	3240.9	3446.1	3502.7	3630.1	3729.1
10°	2940.1	3145.3	3244.4	3545.1	3693.8
12.5°	2788.0	2908.3	2975.5	3396.6	3644.2
15°	2692.5	2777.4	2826.9	3198.4	3587.6
17.5°	2618.1	2678.3	2713.7	3003.8	3509.8
20°	2572.2	2600.5	2632.3	2862.3	3421.3
22.5°	2540.3	2522.6	2547.4	2763.3	3301.0
25°	2519.2	2451.9	2480.2	2685.4	3159.5
27.5°	2536.8	2388.2	2398.8	2614.7	3010.9
30°	2540.3	2310.4	2313.9	2540.3	2844.6
32.5°	2515.6	2229.0	2232.5	2448.4	2657.1
35°	2455.4	2133.5	2130.0	2342.2	2402.4
37.5°	2374.0	2030.9	2030.9	2225.5	2122.8
40°	2275.0	1928.2	1938.9	2073.3	1875.2
42.5°	2154.7	1818.5	1832.7	1871.6	1691.2
45°	2023.7	1712.4	1723.0	1581.5	1549.7
47.5°	1878.7	1602.8	1606.3	1312.6	1503.7
50°	1705.4	1489.5	1475.4	1125.1	1500.1
52.5°	1553.2	1365.7	1323.2	1018.9	1362.1
55°	1404.6	1234.8	1142.8	937.6	1263.1
57.5°	1273.7	1065.0	976.5	842.1	1241.9
60°	1153.4	898.7	831.5	739.4	1139.3
62.5°	1054.4	774.9	760.7	668.7	1033.1
65°	948.2	689.9	686.4	608.6	877.4
67.5°	845.6	633.3	629.7	551.9	668.7
70°	736.0	573.2	566.1	491.8	495.3
72.5°	622.7	505.9	498.9	442.3	410.4
75°	509.5	428.1	424.5	385.6	332.6
77.5°	399.8	339.6	346.7	311.3	244.1
80°	286.6	247.7	254.8	222.9	184.0
82.5°	191.0	162.7	169.9	141.5	123.8
85°	106.1	92.0	95.5	74.3	56.6
87.5°	49.5	42.5	42.5	28.3	17.7
90°	61.0	38.8	36.1	24.9	13.8
92.5°	376.2	267.6	244.0	149.7	55.4
95°	925.6	521.3	478.2	305.6	133.1
97.5°	1246.9	572.6	534.6	382.3	230.1
100°	1363.8	615.6	581.1	443.1	305.0
102.5°	1417.5	658.6	626.4	497.6	368.8
105°	1457.2	722.4	695.1	586.0	476.9
107.5°	1464.6	816.7	791.2	689.5	587.9
110°	1453.5	869.3	846.4	754.5	662.8



TEST NUMBER: P935627

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1453.9	933.1	911.2	823.7	736.2
115°	1467.4	1028.7	1008.6	927.8	847.1
117.5°	1494.6	1121.7	1103.4	1030.0	956.7
120°	1516.8	1175.8	1158.5	1089.4	1020.4
122.5°	1548.7	1239.5	1222.1	1152.5	1082.8
125°	1591.7	1321.3	1305.5	1242.0	1178.5
127.5°	1634.7	1400.3	1384.4	1320.3	1256.2
130°	1666.1	1453.0	1435.8	1366.8	1297.8
132.5°	1691.5	1496.0	1478.8	1409.7	1340.7
135°	1719.3	1545.9	1530.2	1467.4	1404.5
137.5°	1760.8	1609.7	1594.1	1531.9	1469.7
140°	1786.2	1652.7	1638.3	1581.0	1523.7
142.5°	1807.5	1684.6	1671.3	1618.3	1565.3
145°	1835.2	1733.1	1721.6	1675.4	1629.1
147.5°	1875.9	1794.1	1782.8	1737.8	1692.9
150°	1897.2	1826.0	1815.9	1775.2	1734.4
152.5°	1911.1	1846.8	1839.2	1808.3	1777.5
155°	1941.5	1892.5	1886.8	1864.1	1841.2
157.5°	1972.1	1938.3	1932.8	1910.6	1888.4
160°	1985.9	1959.1	1954.8	1937.5	1920.3
162.5°	2000.7	1981.3	1978.0	1965.1	1952.2
165°	2022.0	2013.1	2010.2	1998.5	1986.8
167.5°	2038.6	2031.2	2029.8	2024.3	2018.7
170°	2052.4	2052.0	2050.6	2045.1	2039.5
172.5°	2053.4	2053.4	2053.1	2051.9	2050.6
175°	2061.7	2065.9	2065.9	2065.9	2065.9
177.5°	2062.7	2065.9	2065.9	2065.9	2065.9
180°	2065.9	2065.9	2065.9	2065.9	2065.9



TEST NUMBER: P935627
 CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-12-3500K

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	12.53	13.33	13.56	14.36	15.74	15.38	16.18	16.41	17.21	18.59
	3H	13.00	13.71	14.04	14.75	16.16	16.73	17.44	17.76	18.48	19.88
	4H	13.19	13.87	14.24	14.91	16.32	17.18	17.85	18.22	18.89	20.30
	6H	13.31	13.93	14.36	14.97	16.39	17.46	18.08	18.52	19.13	20.55
	8H	13.31	13.90	14.37	14.96	16.37	17.54	18.13	18.60	19.19	20.61
	12H	13.27	13.84	14.34	14.89	16.33	17.58	18.14	18.64	19.19	20.63
4H	2H	13.56	14.23	14.61	15.28	16.68	15.78	16.46	16.83	17.50	18.91
	3H	14.58	15.14	15.64	16.21	17.64	17.29	17.85	18.35	18.92	20.34
	4H	14.86	15.37	15.92	16.43	17.87	17.82	18.33	18.88	19.39	20.84
	6H	14.98	15.42	16.05	16.50	17.94	18.19	18.63	19.26	19.71	21.15
	8H	14.98	15.39	16.06	16.47	17.92	18.29	18.71	19.37	19.78	21.24
	12H	14.94	15.32	16.04	16.41	17.87	18.35	18.72	19.44	19.81	21.27
8H	4H	15.31	15.72	16.38	16.80	18.25	17.94	18.35	19.01	19.43	20.88
	6H	15.57	15.91	16.66	17.03	18.48	18.38	18.72	19.48	19.84	21.29
	8H	15.61	15.91	16.71	17.01	18.48	18.53	18.83	19.64	19.93	21.40
	12H	15.59	15.85	16.70	16.95	18.46	18.63	18.89	19.74	19.99	21.50
12H	4H	15.31	15.68	16.40	16.77	18.23	17.90	18.27	18.99	19.36	20.82
	6H	15.63	15.93	16.73	17.03	18.50	18.37	18.67	19.48	19.77	21.24
	8H	15.69	15.95	16.80	17.05	18.56	18.53	18.80	19.64	19.89	21.40