

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: P935279

Luminaire Tested: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935279
REPORT IS A COMBINATION OF REPORTS P933745 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-12-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

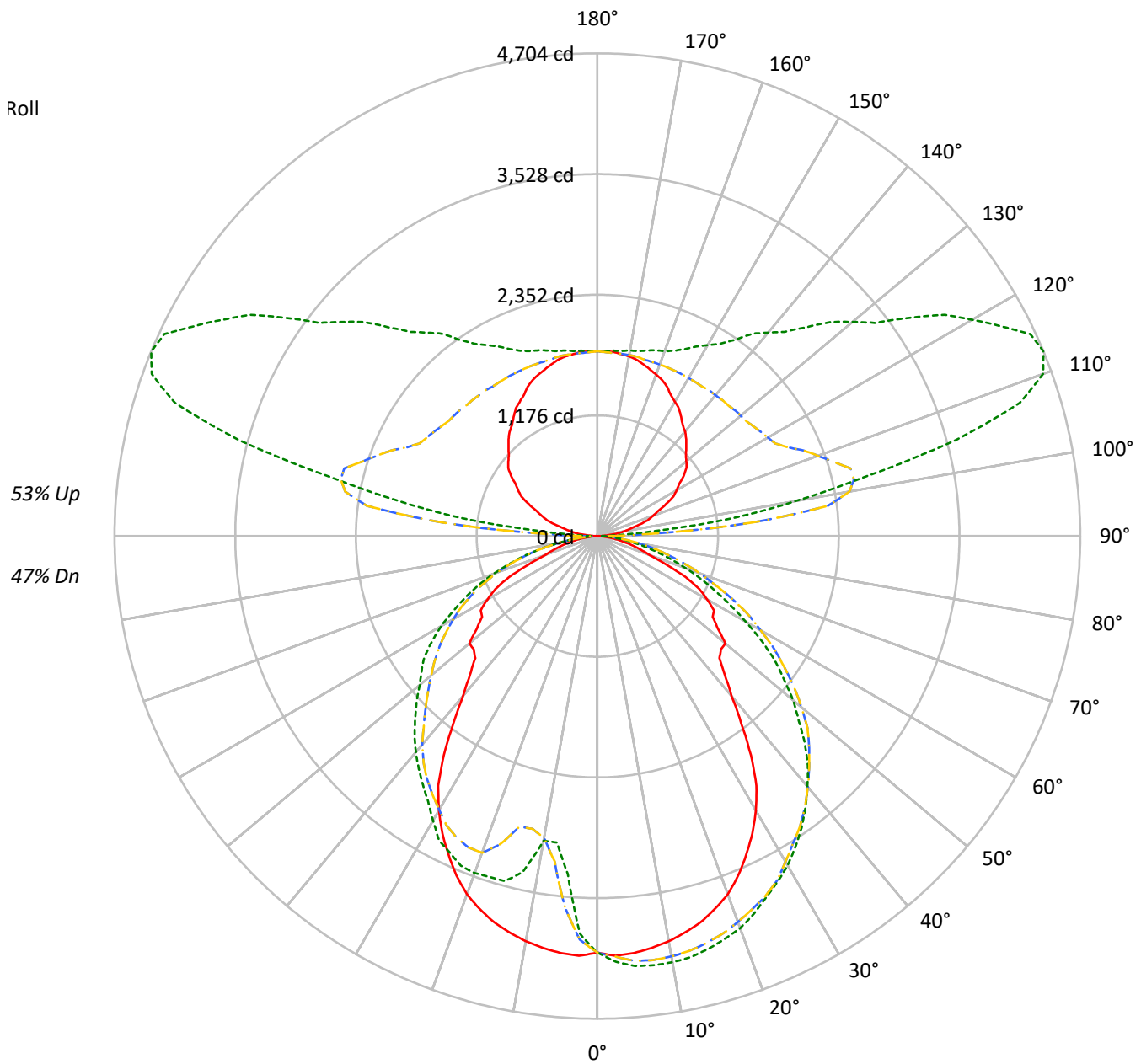
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22212.4 lumens
Efficiency: N/A
Efficacy: 127.7 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): 174
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: P935279
CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-12-3500K

Luminous Intensity Polar Plot



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



TEST NUMBER: P935279

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-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	0
RCR																		
0	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	47
1	97	93	89	86	89	86	82	79	72	70	67	59	58	56	48	47	46	40
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	42	40	38	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	28
4	74	63	55	49	68	58	51	46	49	44	40	41	37	34	33	30	28	24
5	68	56	48	42	62	52	45	39	44	39	34	37	33	29	30	27	24	21
6	62	50	42	36	57	47	39	34	40	34	30	33	29	26	27	24	21	19
7	58	45	37	32	53	42	35	30	36	30	26	30	26	23	25	21	19	16
8	53	41	33	28	49	38	31	27	33	27	23	28	23	20	23	19	17	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12557	12557	12557	12557
5°	12656	12676	12656	9967
10°	12575	12486	12575	8927
15°	12443	12216	12443	10200
20°	12188	11896	12188	10222
25°	11660	11428	11660	10005
30°	10976	11040	10976	9530
35°	9791	10549	9791	9007
40°	8163	9971	8163	8612
45°	7298	9295	7298	8158
50°	7759	8488	7759	7702
55°	7307	7619	7307	7438
60°	7542	6471	7542	6813
65°	6849	5349	6849	5979
70°	4754	4263	4754	5012
75°	4184	3151	4184	3773
80°	3397	2083	3397	2268
85°	1990	1103	1990	938

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11178 cd/sqm



TEST NUMBER: P935279

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-12-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	366.5	1.6
10°-20°	1040.5	4.7
20°-30°	1608.4	7.2
30°-40°	1920.1	8.6
40°-50°	1931.4	8.7
50°-60°	1680.5	7.6
60°-70°	1191.5	5.4
70°-80°	630.4	2.8
80°-90°	163.9	0.7
90°-100°	878.2	4.0
100°-110°	2308.8	10.4
110°-120°	2394.0	10.8
120°-130°	1920.3	8.6
130°-140°	1506.8	6.8
140°-150°	1156.5	5.2
150°-160°	832.9	3.7
160°-170°	509.6	2.3
170°-180°	172.2	0.8
0°-30°	3015.4	13.6
0°-40°	4935.5	22.2
0°-60°	8547.4	38.5
0°-90°	10533.1	47.4
90°-120°	5581.1	25.1
90°-150°	10164.6	45.8
90°-180°	11679.0	52.6
0°-180°	22212.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4060	4060	4060	4060	4060	
5°	4079	4206	4079	3307	4079	387
15°	3895	4167	3895	3480	3895	1096
25°	3430	3887	3430	3403	3430	1575
35°	2608	3468	2608	2961	2608	1613
45°	1682	2858	1682	2508	1682	1348
55°	1371	2109	1371	2059	1371	1260
65°	952	1271	952	1421	952	910
75°	361	603	361	722	361	380
85°	61	154	61	131	61	83
90°	12	46	12	46	12	13
95°	116	531	116	531	116	129
105°	416	3615	416	3615	416	441
115°	739	4655	739	4655	739	730
125°	1028	3707	1028	3707	1028	913
135°	1225	2877	1225	2877	1225	948
145°	1421	2334	1421	2334	1421	890
155°	1606	2010	1606	2010	1606	738
165°	1733	1872	1733	1872	1733	489
175°	1802	1814	1802	1814	1802	171
180°	1802	1802	1802	1802	1802	



TEST NUMBER: P935279

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7
2.5°	4094.3	4094.3	4117.4	4125.0	4125.0	4113.5	4102.0	4113.5	4148.1	4159.6	4155.8
5°	4079.0	4109.7	4152.0	4159.6	4167.3	4163.5	4155.8	4163.5	4201.9	4209.5	4213.4
7.5°	4048.2	4105.8	4159.6	4171.2	4182.7	4171.2	4167.3	4175.0	4213.4	4221.1	4221.1
10°	4009.8	4090.5	4152.0	4159.6	4171.2	4159.6	4159.6	4175.0	4213.4	4221.1	4224.9
12.5°	3956.0	4067.5	4125.0	4132.8	4148.1	4144.2	4140.4	4155.8	4194.2	4201.9	4201.9
15°	3894.6	4025.2	4079.0	4086.7	4113.5	4105.8	4105.8	4121.3	4163.5	4175.0	4171.2
17.5°	3810.1	3971.4	4032.9	4044.4	4063.6	4059.7	4063.6	4079.0	4117.4	4125.0	4128.9
20°	3714.1	3898.5	3971.4	3983.0	4002.2	4002.2	4002.2	4021.4	4059.7	4075.1	4075.1
22.5°	3583.5	3821.6	3898.5	3906.1	3929.2	3929.2	3936.9	3963.7	3998.3	4002.2	4002.2
25°	3429.9	3737.1	3802.5	3825.5	3848.5	3860.0	3871.5	3886.9	3898.5	3894.6	3898.5
27.5°	3268.5	3629.6	3714.1	3729.5	3760.2	3771.7	3787.0	3790.9	3794.7	3806.2	3798.6
30°	3088.0	3479.8	3606.5	3621.9	3671.8	3679.5	3664.2	3671.8	3691.0	3698.8	3706.4
32.5°	2884.4	3257.0	3495.2	3529.7	3575.8	3552.7	3549.0	3560.5	3591.2	3591.2	3598.9
35°	2608.0	3084.2	3391.5	3422.2	3456.7	3429.9	3445.2	3449.1	3468.2	3479.8	3476.0
37.5°	2304.5	2934.4	3283.9	3307.0	3333.8	3299.3	3322.3	3333.8	3349.3	3341.5	3341.5
40°	2035.7	2700.1	3157.2	3172.5	3195.6	3168.7	3191.7	3199.4	3207.1	3199.4	3195.6
42.5°	1836.0	2442.8	3022.7	3042.0	3026.6	3045.8	3053.4	3068.8	3057.3	3042.0	3042.0
45°	1682.3	2373.7	2876.8	2899.8	2876.8	2907.5	2919.0	2919.0	2884.4	2876.8	2873.0
47.5°	1632.4	2235.4	2730.8	2730.8	2719.3	2757.7	2777.0	2750.0	2715.4	2704.0	2704.0
50°	1628.5	2081.7	2531.1	2515.7	2569.5	2615.6	2596.4	2569.5	2542.7	2500.4	2500.4
52.5°	1478.7	1893.5	2273.8	2331.4	2415.9	2442.8	2412.0	2385.2	2339.1	2319.9	2304.5
55°	1371.1	1697.7	2039.5	2154.7	2243.0	2277.6	2220.0	2193.1	2124.0	2112.4	2104.8
57.5°	1348.2	1413.4	1824.4	1970.4	2077.9	2074.0	2039.5	1989.6	1931.9	1920.5	1916.6
60°	1236.7	1021.6	1593.9	1766.8	1878.2	1866.7	1836.0	1789.8	1736.1	1728.4	1720.7
62.5°	1121.5	741.3	1332.8	1528.7	1686.2	1682.3	1655.4	1586.3	1547.9	1528.7	1513.3
65°	952.5	622.2	948.7	1271.3	1497.9	1505.6	1448.0	1398.1	1355.8	1332.8	1328.9
67.5°	725.9	507.0	641.4	1060.1	1317.5	1309.7	1236.7	1213.7	1159.9	1148.4	1125.4
70°	537.7	338.0	445.5	860.4	1140.7	1121.5	1063.9	1037.0	987.1	960.2	944.9
72.5°	445.5	272.7	326.5	668.3	960.2	937.1	887.2	856.5	814.3	791.2	775.9
75°	361.0	288.1	249.6	495.4	779.7	764.3	718.2	687.5	652.9	622.2	626.1
77.5°	265.0	268.9	199.7	364.9	618.4	595.4	568.4	530.0	514.6	483.9	483.9
80°	199.7	211.2	149.8	249.6	445.5	445.5	422.5	395.6	368.7	353.4	353.4
82.5°	134.4	134.4	111.3	157.5	303.4	291.9	276.6	268.9	253.5	245.8	245.8
85°	61.4	76.8	69.1	96.0	165.1	172.9	172.9	165.1	161.3	153.6	157.5
87.5°	19.2	34.6	42.2	53.8	84.5	88.4	92.2	92.2	92.2	96.0	96.0
90°	12.1	21.8	31.4	33.8	53.2	79.0	91.9	81.7	61.2	45.9	45.9
92.5°	48.4	130.5	212.8	233.3	328.1	454.4	517.5	453.6	325.7	229.7	220.6
95°	116.1	266.6	417.1	454.7	807.3	1277.5	1512.6	1349.8	1024.1	779.9	752.1
97.5°	200.7	333.4	466.2	499.4	1087.4	1871.4	2263.5	2160.6	1954.8	1800.4	1747.8
100°	266.0	386.3	506.7	536.8	1189.4	2059.4	2494.5	2502.1	2517.1	2528.3	2465.6
102.5°	321.6	433.9	546.2	574.3	1236.2	2118.6	2559.8	2690.9	2953.1	3149.8	3096.1
105°	416.0	511.1	606.2	629.9	1270.8	2125.3	2552.5	2846.5	3434.4	3875.3	3846.4
107.5°	512.7	601.4	690.0	712.2	1277.2	2030.6	2407.4	2817.5	3637.5	4252.6	4259.5
110°	578.0	658.0	738.1	758.1	1267.5	1946.8	2286.5	2744.9	3661.7	4349.3	4379.4



TEST NUMBER: P935279

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	642.1	718.4	794.7	813.8	1268.0	1873.7	2176.5	2645.7	3583.9	4287.6	4333.9
115°	738.8	809.2	879.6	897.2	1279.7	1789.6	2044.7	2496.6	3400.5	4078.4	4142.5
117.5°	834.3	898.3	962.2	978.2	1303.5	1737.1	1954.0	2361.8	3177.6	3789.5	3860.5
120°	889.9	950.1	1010.4	1025.4	1322.9	1719.5	1917.7	2290.4	3035.8	3594.8	3663.9
122.5°	944.4	1005.1	1065.8	1081.0	1350.7	1710.2	1889.9	2225.5	2896.7	3400.1	3468.2
125°	1027.8	1083.1	1138.5	1152.3	1388.1	1702.5	1859.7	2144.8	2714.9	3142.6	3205.3
127.5°	1095.5	1151.4	1207.3	1221.2	1425.6	1698.1	1834.3	2079.1	2568.6	2935.8	2988.7
130°	1131.8	1192.0	1252.1	1267.2	1453.0	1700.8	1824.6	2042.6	2478.4	2805.3	2854.2
132.5°	1169.3	1229.5	1289.6	1304.7	1475.1	1702.4	1816.1	2011.2	2401.4	2694.0	2737.8
135°	1224.9	1279.7	1334.5	1348.2	1499.3	1700.9	1801.7	1965.0	2291.7	2536.7	2574.5
137.5°	1281.7	1336.0	1390.2	1403.8	1535.6	1711.4	1799.2	1937.3	2213.6	2420.8	2451.7
140°	1328.9	1378.9	1428.8	1441.3	1557.8	1713.1	1790.7	1910.0	2148.7	2327.6	2356.5
142.5°	1365.1	1411.3	1457.6	1469.1	1576.3	1719.2	1790.7	1895.6	2105.2	2262.3	2287.1
145°	1420.7	1461.1	1501.4	1511.4	1600.5	1719.3	1778.7	1864.4	2035.8	2164.4	2183.2
147.5°	1476.4	1515.6	1554.9	1564.6	1636.0	1731.1	1778.7	1846.1	1981.0	2082.2	2097.8
150°	1512.6	1548.1	1583.5	1592.5	1654.6	1737.3	1778.7	1835.7	1949.5	2035.0	2047.6
152.5°	1550.1	1577.0	1603.9	1610.6	1666.6	1741.3	1778.7	1827.3	1924.5	1997.5	2007.0
155°	1605.7	1625.6	1645.6	1650.5	1693.2	1750.2	1778.7	1817.4	1894.7	1952.7	1959.0
157.5°	1646.8	1666.2	1685.6	1690.4	1719.9	1759.1	1778.7	1808.7	1868.9	1914.1	1918.5
160°	1674.6	1689.7	1704.8	1708.5	1731.9	1763.1	1778.7	1804.5	1856.0	1894.7	1897.2
162.5°	1702.4	1713.7	1725.0	1727.8	1744.8	1767.4	1778.7	1800.4	1843.9	1876.6	1879.0
165°	1732.7	1742.8	1753.1	1755.6	1763.3	1773.6	1778.7	1794.3	1825.4	1848.8	1851.3
167.5°	1760.5	1765.3	1770.2	1771.4	1777.8	1786.4	1790.7	1801.0	1821.4	1836.7	1837.8
170°	1778.7	1783.5	1788.4	1789.5	1789.9	1790.4	1790.7	1801.0	1821.4	1836.7	1836.7
172.5°	1788.3	1789.4	1790.4	1790.7	1790.7	1790.7	1790.7	1798.8	1814.9	1827.0	1826.1
175°	1801.7	1801.7	1801.7	1801.7	1798.0	1793.1	1790.7	1795.8	1806.0	1813.7	1813.7
177.5°	1801.7	1801.7	1801.7	1801.7	1798.9	1795.1	1793.1	1797.2	1805.2	1811.3	1810.2
180°	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7



TEST NUMBER: P935279

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7
2.5°	4163.5	4152.0	4163.5	4155.8	4159.6	4148.1	4113.5	4102.0	4113.5	4125.0	4125.0
5°	4213.4	4205.8	4213.4	4213.4	4209.5	4201.9	4163.5	4155.8	4163.5	4167.3	4159.6
7.5°	4228.7	4217.3	4228.7	4221.1	4221.1	4213.4	4175.0	4167.3	4171.2	4182.7	4171.2
10°	4228.7	4217.3	4228.7	4224.9	4221.1	4213.4	4175.0	4159.6	4159.6	4171.2	4159.6
12.5°	4209.5	4201.9	4209.5	4201.9	4201.9	4194.2	4155.8	4140.4	4144.2	4148.1	4132.8
15°	4178.8	4167.3	4178.8	4171.2	4175.0	4163.5	4121.3	4105.8	4105.8	4113.5	4086.7
17.5°	4132.8	4117.4	4132.8	4128.9	4125.0	4117.4	4079.0	4063.6	4059.7	4063.6	4044.4
20°	4079.0	4067.5	4079.0	4075.1	4075.1	4059.7	4021.4	4002.2	4002.2	4002.2	3983.0
22.5°	3994.5	3983.0	3994.5	4002.2	4002.2	3998.3	3963.7	3936.9	3929.2	3929.2	3906.1
25°	3898.5	3886.9	3898.5	3898.5	3894.6	3898.5	3886.9	3871.5	3860.0	3848.5	3825.5
27.5°	3806.2	3798.6	3806.2	3798.6	3806.2	3794.7	3790.9	3787.0	3771.7	3760.2	3729.5
30°	3714.1	3706.4	3714.1	3706.4	3698.8	3691.0	3671.8	3664.2	3679.5	3671.8	3621.9
32.5°	3598.9	3591.2	3598.9	3598.9	3591.2	3591.2	3560.5	3549.0	3552.7	3575.8	3529.7
35°	3479.8	3468.2	3479.8	3476.0	3479.8	3468.2	3449.1	3445.2	3429.9	3456.7	3422.2
37.5°	3341.5	3330.0	3341.5	3341.5	3341.5	3349.3	3333.8	3322.3	3299.3	3333.8	3307.0
40°	3199.4	3184.0	3199.4	3195.6	3199.4	3207.1	3199.4	3191.7	3168.7	3195.6	3172.5
42.5°	3038.1	3034.2	3038.1	3042.0	3042.0	3057.3	3068.8	3053.4	3045.8	3026.6	3042.0
45°	2865.2	2857.6	2865.2	2873.0	2876.8	2884.4	2919.0	2919.0	2907.5	2876.8	2899.8
47.5°	2680.9	2661.7	2680.9	2704.0	2704.0	2715.4	2750.0	2777.0	2757.7	2719.3	2730.8
50°	2485.0	2488.9	2485.0	2500.4	2500.4	2542.7	2569.5	2596.4	2615.6	2569.5	2515.7
52.5°	2292.9	2289.2	2292.9	2304.5	2319.9	2339.1	2385.2	2412.0	2442.8	2415.9	2331.4
55°	2100.9	2108.6	2100.9	2104.8	2112.4	2124.0	2193.1	2220.0	2277.6	2243.0	2154.7
57.5°	1908.9	1897.4	1908.9	1916.6	1920.5	1931.9	1989.6	2039.5	2074.0	2077.9	1970.4
60°	1686.2	1670.7	1686.2	1720.7	1728.4	1736.1	1789.8	1836.0	1866.7	1878.2	1766.8
62.5°	1490.2	1463.4	1490.2	1513.3	1528.7	1547.9	1586.3	1655.4	1682.3	1686.2	1528.7
65°	1282.9	1271.3	1282.9	1328.9	1332.8	1355.8	1398.1	1448.0	1505.6	1497.9	1271.3
67.5°	1094.7	1094.7	1094.7	1125.4	1148.4	1159.9	1213.7	1236.7	1309.7	1317.5	1060.1
70°	921.8	917.9	921.8	944.9	960.2	987.1	1037.0	1063.9	1121.5	1140.7	860.4
72.5°	756.7	752.8	756.7	775.9	791.2	814.3	856.5	887.2	937.1	960.2	668.3
75°	610.7	603.0	610.7	626.1	622.2	652.9	687.5	718.2	764.3	779.7	495.4
77.5°	468.6	468.6	468.6	483.9	483.9	514.6	530.0	568.4	595.4	618.4	364.9
80°	349.5	345.6	349.5	353.4	353.4	368.7	395.6	422.5	445.5	445.5	249.6
82.5°	245.8	238.1	245.8	245.8	245.8	253.5	268.9	276.6	291.9	303.4	157.5
85°	153.6	153.6	153.6	157.5	153.6	161.3	165.1	172.9	172.9	165.1	96.0
87.5°	99.9	96.0	99.9	96.0	96.0	92.2	92.2	92.2	88.4	84.5	53.8
90°	45.9	45.9	45.9	45.9	45.9	61.2	81.7	91.9	79.0	53.2	33.8
92.5°	184.0	147.5	184.0	220.6	229.7	325.7	453.6	517.5	454.4	328.1	233.3
95°	641.5	530.8	641.5	752.1	779.9	1024.1	1349.8	1512.6	1277.5	807.3	454.7
97.5°	1537.1	1326.5	1537.1	1747.8	1800.4	1954.8	2160.6	2263.5	1871.4	1087.4	499.4
100°	2214.6	1963.7	2214.6	2465.6	2528.3	2517.1	2502.1	2494.5	2059.4	1189.4	536.8
102.5°	2881.1	2666.2	2881.1	3096.1	3149.8	2953.1	2690.9	2559.8	2118.6	1236.2	574.3
105°	3730.8	3615.3	3730.8	3846.4	3875.3	3434.4	2846.5	2552.5	2125.3	1270.8	629.9
107.5°	4287.5	4315.4	4287.5	4259.5	4252.6	3637.5	2817.5	2407.4	2030.6	1277.2	712.2
110°	4499.7	4620.2	4499.7	4379.4	4349.3	3661.7	2744.9	2286.5	1946.8	1267.5	758.1



TEST NUMBER: P935279

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4518.7	4703.6	4518.7	4333.9	4287.6	3583.9	2645.7	2176.5	1873.7	1268.0	813.8
115°	4398.9	4655.2	4398.9	4142.5	4078.4	3400.5	2496.6	2044.7	1789.6	1279.7	897.2
117.5°	4144.8	4429.1	4144.8	3860.5	3789.5	3177.6	2361.8	1954.0	1737.1	1303.5	978.2
120°	3940.1	4216.3	3940.1	3663.9	3594.8	3035.8	2290.4	1917.7	1719.5	1322.9	1025.4
122.5°	3740.6	4013.1	3740.6	3468.2	3400.1	2896.7	2225.5	1889.9	1710.2	1350.7	1081.0
125°	3456.2	3707.2	3456.2	3205.3	3142.6	2714.9	2144.8	1859.7	1702.5	1388.1	1152.3
127.5°	3200.5	3412.2	3200.5	2988.7	2935.8	2568.6	2079.1	1834.3	1698.1	1425.6	1221.2
130°	3049.7	3245.4	3049.7	2854.2	2805.3	2478.4	2042.6	1824.6	1700.8	1453.0	1267.2
132.5°	2913.0	3088.2	2913.0	2737.8	2694.0	2401.4	2011.2	1816.1	1702.4	1475.1	1304.7
135°	2725.5	2876.6	2725.5	2574.5	2536.7	2291.7	1965.0	1801.7	1700.9	1499.3	1348.2
137.5°	2575.2	2698.9	2575.2	2451.7	2420.8	2213.6	1937.3	1799.2	1711.4	1535.6	1403.8
140°	2472.1	2587.6	2472.1	2356.5	2327.6	2148.7	1910.0	1790.7	1713.1	1557.8	1441.3
142.5°	2386.6	2486.0	2386.6	2287.1	2262.3	2105.2	1895.6	1790.7	1719.2	1576.3	1469.1
145°	2258.4	2333.6	2258.4	2183.2	2164.4	2035.8	1864.4	1778.7	1719.3	1600.5	1511.4
147.5°	2160.1	2222.4	2160.1	2097.8	2082.2	1981.0	1846.1	1778.7	1731.1	1636.0	1564.6
150°	2098.2	2148.7	2098.2	2047.6	2035.0	1949.5	1835.7	1778.7	1737.3	1654.6	1592.5
152.5°	2045.2	2083.4	2045.2	2007.0	1997.5	1924.5	1827.3	1778.7	1741.3	1666.6	1610.6
155°	1984.3	2009.6	1984.3	1959.0	1952.7	1894.7	1817.4	1778.7	1750.2	1693.2	1650.5
157.5°	1936.3	1954.0	1936.3	1918.5	1914.1	1868.9	1808.7	1778.7	1759.1	1719.9	1690.4
160°	1907.5	1917.7	1907.5	1897.2	1894.7	1856.0	1804.5	1778.7	1763.1	1731.9	1708.5
162.5°	1888.7	1898.4	1888.7	1879.0	1876.6	1843.9	1800.4	1778.7	1767.4	1744.8	1727.8
165°	1861.5	1871.7	1861.5	1851.3	1848.8	1825.4	1794.3	1778.7	1773.6	1763.3	1755.6
167.5°	1842.1	1846.3	1842.1	1837.8	1836.7	1821.4	1801.0	1790.7	1786.4	1777.8	1771.4
170°	1836.7	1836.7	1836.7	1836.7	1836.7	1821.4	1801.0	1790.7	1790.4	1789.9	1789.5
172.5°	1822.3	1818.5	1822.3	1826.1	1827.0	1814.9	1798.8	1790.7	1790.7	1790.7	1790.7
175°	1813.7	1813.7	1813.7	1813.7	1813.7	1806.0	1795.8	1790.7	1793.1	1798.0	1801.7
177.5°	1805.9	1801.7	1805.9	1810.2	1811.3	1805.2	1797.2	1793.1	1795.1	1798.9	1801.7
180°	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7



TEST NUMBER: P935279

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7
2.5°	4117.4	4094.3	4094.3	4055.9	4040.5	4029.0	4009.8	3952.3	3936.9	3921.4	3944.5
5°	4152.0	4109.7	4079.0	4009.8	3952.3	3929.2	3856.2	3718.0	3625.7	3556.6	3518.2
7.5°	4159.6	4105.8	4048.2	3940.7	3802.5	3741.0	3518.2	3264.8	3195.6	3134.1	3095.7
10°	4152.0	4090.5	4009.8	3848.5	3522.0	3414.5	3191.7	3026.6	2984.3	2972.8	2984.3
12.5°	4125.0	4067.5	3956.0	3687.2	3230.2	3157.2	3026.6	2930.5	2922.9	2942.1	3045.8
15°	4079.0	4025.2	3894.6	3472.1	3068.8	3015.0	2922.9	2888.3	2930.5	3064.9	3376.1
17.5°	4032.9	3971.4	3810.1	3260.9	2946.0	2907.5	2842.2	2911.4	3149.4	3330.0	3433.7
20°	3971.4	3898.5	3714.1	3107.2	2857.6	2823.0	2792.3	3103.4	3283.9	3349.3	3406.8
22.5°	3898.5	3821.6	3583.5	2999.7	2765.4	2738.5	2757.7	3211.0	3283.9	3330.0	3380.0
25°	3802.5	3737.1	3429.9	2915.2	2692.5	2661.7	2734.7	3199.4	3241.7	3253.2	3353.0
27.5°	3714.1	3629.6	3268.5	2838.4	2604.1	2592.6	2753.9	3149.4	3180.3	3191.7	3299.3
30°	3606.5	3479.8	3088.0	2757.7	2511.9	2508.1	2757.7	3088.0	3080.4	3111.1	3218.6
32.5°	3495.2	3257.0	2884.4	2657.9	2423.6	2419.7	2730.8	2995.9	2988.2	3030.5	3111.1
35°	3391.5	3084.2	2608.0	2542.7	2312.2	2316.0	2665.5	2888.3	2892.2	2930.5	2980.5
37.5°	3283.9	2934.4	2304.5	2415.9	2204.7	2204.7	2577.2	2788.5	2780.7	2792.3	2861.5
40°	3157.2	2700.1	2035.7	2250.7	2104.8	2093.2	2469.7	2680.9	2654.0	2650.2	2746.2
42.5°	3022.7	2442.8	1836.0	2031.8	1989.6	1974.1	2339.1	2550.3	2500.4	2511.9	2634.8
45°	2876.8	2373.7	1682.3	1716.9	1870.5	1858.9	2196.9	2400.5	2365.9	2396.7	2523.5
47.5°	2730.8	2235.4	1632.4	1424.9	1743.7	1739.9	2039.5	2254.6	2235.4	2266.1	2400.5
50°	2531.1	2081.7	1628.5	1221.4	1601.7	1617.0	1851.3	2112.4	2112.4	2139.4	2281.4
52.5°	2273.8	1893.5	1478.7	1106.1	1436.4	1482.6	1686.2	1989.6	1997.2	2024.1	2150.9
55°	2039.5	1697.7	1371.1	1017.8	1240.6	1340.4	1524.8	1862.8	1878.2	1905.1	2020.3
57.5°	1824.4	1413.4	1348.2	914.2	1060.1	1156.1	1382.7	1739.9	1747.6	1770.7	1882.0
60°	1593.9	1021.6	1236.7	802.7	902.6	975.6	1252.1	1593.9	1620.8	1636.2	1732.2
62.5°	1332.8	741.3	1121.5	725.9	825.8	841.2	1144.6	1455.6	1490.2	1501.8	1559.4
65°	948.7	622.2	952.5	660.7	745.2	748.9	1029.4	1313.6	1344.3	1363.5	1405.7
67.5°	641.4	507.0	725.9	599.1	683.6	687.5	917.9	1148.4	1190.6	1206.0	1233.0
70°	445.5	338.0	537.7	533.9	614.5	622.2	798.9	998.7	1037.0	1048.6	1063.9
72.5°	326.5	272.7	445.5	480.1	541.6	549.2	676.0	829.7	868.0	879.6	887.2
75°	249.6	288.1	361.0	418.6	460.9	464.7	553.1	676.0	702.9	710.6	714.3
77.5°	199.7	268.9	265.0	338.0	376.4	368.7	434.0	522.4	545.4	545.4	545.4
80°	149.8	211.2	199.7	242.0	276.6	268.9	311.1	372.6	380.2	387.9	384.1
82.5°	111.3	134.4	134.4	153.6	184.4	176.6	207.4	242.0	242.0	242.0	249.6
85°	69.1	76.8	61.4	80.6	103.7	99.9	115.2	130.6	134.4	134.4	126.7
87.5°	42.2	34.6	19.2	30.7	46.1	46.1	53.8	57.7	53.8	53.8	53.8
90°	31.4	21.8	12.1	21.8	31.4	33.8	53.2	79.0	91.9	81.7	61.2
92.5°	212.8	130.5	48.4	130.5	212.8	233.3	328.1	454.4	517.5	453.6	325.7
95°	417.1	266.6	116.1	266.6	417.1	454.7	807.3	1277.5	1512.6	1349.8	1024.1
97.5°	466.2	333.4	200.7	333.4	466.2	499.4	1087.4	1871.4	2263.5	2160.6	1954.8
100°	506.7	386.3	266.0	386.3	506.7	536.8	1189.4	2059.4	2494.5	2502.1	2517.1
102.5°	546.2	433.9	321.6	433.9	546.2	574.3	1236.2	2118.6	2559.8	2690.9	2953.1
105°	606.2	511.1	416.0	511.1	606.2	629.9	1270.8	2125.3	2552.5	2846.5	3434.4
107.5°	690.0	601.4	512.7	601.4	690.0	712.2	1277.2	2030.6	2407.4	2817.5	3637.5
110°	738.1	658.0	578.0	658.0	738.1	758.1	1267.5	1946.8	2286.5	2744.9	3661.7



TEST NUMBER: P935279

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	794.7	718.4	642.1	718.4	794.7	813.8	1268.0	1873.7	2176.5	2645.7	3583.9
115°	879.6	809.2	738.8	809.2	879.6	897.2	1279.7	1789.6	2044.7	2496.6	3400.5
117.5°	962.2	898.3	834.3	898.3	962.2	978.2	1303.5	1737.1	1954.0	2361.8	3177.6
120°	1010.4	950.1	889.9	950.1	1010.4	1025.4	1322.9	1719.5	1917.7	2290.4	3035.8
122.5°	1065.8	1005.1	944.4	1005.1	1065.8	1081.0	1350.7	1710.2	1889.9	2225.5	2896.7
125°	1138.5	1083.1	1027.8	1083.1	1138.5	1152.3	1388.1	1702.5	1859.7	2144.8	2714.9
127.5°	1207.3	1151.4	1095.5	1151.4	1207.3	1221.2	1425.6	1698.1	1834.3	2079.1	2568.6
130°	1252.1	1192.0	1131.8	1192.0	1252.1	1267.2	1453.0	1700.8	1824.6	2042.6	2478.4
132.5°	1289.6	1229.5	1169.3	1229.5	1289.6	1304.7	1475.1	1702.4	1816.1	2011.2	2401.4
135°	1334.5	1279.7	1224.9	1279.7	1334.5	1348.2	1499.3	1700.9	1801.7	1965.0	2291.7
137.5°	1390.2	1336.0	1281.7	1336.0	1390.2	1403.8	1535.6	1711.4	1799.2	1937.3	2213.6
140°	1428.8	1378.9	1328.9	1378.9	1428.8	1441.3	1557.8	1713.1	1790.7	1910.0	2148.7
142.5°	1457.6	1411.3	1365.1	1411.3	1457.6	1469.1	1576.3	1719.2	1790.7	1895.6	2105.2
145°	1501.4	1461.1	1420.7	1461.1	1501.4	1511.4	1600.5	1719.3	1778.7	1864.4	2035.8
147.5°	1554.9	1515.6	1476.4	1515.6	1554.9	1564.6	1636.0	1731.1	1778.7	1846.1	1981.0
150°	1583.5	1548.1	1512.6	1548.1	1583.5	1592.5	1654.6	1737.3	1778.7	1835.7	1949.5
152.5°	1603.9	1577.0	1550.1	1577.0	1603.9	1610.6	1666.6	1741.3	1778.7	1827.3	1924.5
155°	1645.6	1625.6	1605.7	1625.6	1645.6	1650.5	1693.2	1750.2	1778.7	1817.4	1894.7
157.5°	1685.6	1666.2	1646.8	1666.2	1685.6	1690.4	1719.9	1759.1	1778.7	1808.7	1868.9
160°	1704.8	1689.7	1674.6	1689.7	1704.8	1708.5	1731.9	1763.1	1778.7	1804.5	1856.0
162.5°	1725.0	1713.7	1702.4	1713.7	1725.0	1727.8	1744.8	1767.4	1778.7	1800.4	1843.9
165°	1753.1	1742.8	1732.7	1742.8	1753.1	1755.6	1763.3	1773.6	1778.7	1794.3	1825.4
167.5°	1770.2	1765.3	1760.5	1765.3	1770.2	1771.4	1777.8	1786.4	1790.7	1801.0	1821.4
170°	1788.4	1783.5	1778.7	1783.5	1788.4	1789.5	1789.9	1790.4	1790.7	1801.0	1821.4
172.5°	1790.4	1789.4	1788.3	1789.4	1790.4	1790.7	1790.7	1790.7	1790.7	1798.8	1814.9
175°	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1798.0	1793.1	1790.7	1795.8	1806.0
177.5°	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1798.9	1795.1	1793.1	1797.2	1805.2
180°	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7



TEST NUMBER: P935279
 CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7
2.5°	3917.7	3906.1	3921.4	3879.2	3921.4	3906.1	3917.7	3944.5	3921.4	3936.9	3952.3
5°	3437.5	3418.3	3356.9	3307.0	3356.9	3418.3	3437.5	3518.2	3556.6	3625.7	3718.0
7.5°	3072.7	3057.3	3042.0	3011.2	3042.0	3057.3	3072.7	3095.7	3134.1	3195.6	3264.8
10°	2992.0	2995.9	3018.9	3015.0	3018.9	2995.9	2992.0	2984.3	2972.8	2984.3	3026.6
12.5°	3199.4	3233.9	3360.7	3353.0	3360.7	3233.9	3199.4	3045.8	2942.1	2922.9	2930.5
15°	3437.5	3449.1	3476.0	3479.8	3476.0	3449.1	3437.5	3376.1	3064.9	2930.5	2888.3
17.5°	3460.6	3464.5	3483.7	3483.7	3483.7	3464.5	3460.6	3433.7	3330.0	3149.4	2911.4
20°	3441.4	3449.1	3487.4	3495.2	3487.4	3449.1	3441.4	3406.8	3349.3	3283.9	3103.4
22.5°	3433.7	3449.1	3479.8	3476.0	3479.8	3449.1	3433.7	3380.0	3330.0	3283.9	3211.0
25°	3395.3	3395.3	3399.2	3402.9	3399.2	3395.3	3395.3	3353.0	3253.2	3241.7	3199.4
27.5°	3314.7	3322.3	3345.4	3341.5	3345.4	3322.3	3314.7	3299.3	3191.7	3180.3	3149.4
30°	3241.7	3233.9	3214.8	3199.4	3214.8	3233.9	3241.7	3218.6	3111.1	3080.4	3088.0
32.5°	3118.7	3099.5	3080.4	3068.8	3080.4	3099.5	3118.7	3111.1	3030.5	2988.2	2995.9
35°	2972.8	2976.7	2972.8	2961.3	2972.8	2976.7	2972.8	2980.5	2930.5	2892.2	2888.3
37.5°	2869.1	2876.8	2873.0	2857.6	2873.0	2876.8	2869.1	2861.5	2792.3	2780.7	2788.5
40°	2761.6	2765.4	2761.6	2750.0	2761.6	2765.4	2761.6	2746.2	2650.2	2654.0	2680.9
42.5°	2657.9	2654.0	2642.5	2634.8	2642.5	2654.0	2657.9	2634.8	2511.9	2500.4	2550.3
45°	2538.8	2542.7	2519.6	2508.1	2519.6	2542.7	2538.8	2523.5	2396.7	2365.9	2400.5
47.5°	2419.7	2419.7	2400.5	2389.0	2400.5	2419.7	2419.7	2400.5	2266.1	2235.4	2254.6
50°	2292.9	2289.2	2262.2	2258.4	2262.2	2289.2	2292.9	2281.4	2139.4	2112.4	2112.4
52.5°	2147.0	2147.0	2150.9	2158.5	2150.9	2147.0	2147.0	2150.9	2024.1	1997.2	1989.6
55°	2020.3	2024.1	2051.0	2058.6	2051.0	2024.1	2020.3	2020.3	1905.1	1878.2	1862.8
57.5°	1889.6	1889.6	1908.9	1908.9	1908.9	1889.6	1889.6	1882.0	1770.7	1747.6	1739.9
60°	1739.9	1747.6	1762.9	1759.1	1762.9	1747.6	1739.9	1732.2	1636.2	1620.8	1593.9
62.5°	1582.4	1590.1	1593.9	1586.3	1593.9	1590.1	1582.4	1559.4	1501.8	1490.2	1455.6
65°	1417.3	1424.9	1428.8	1421.1	1428.8	1424.9	1417.3	1405.7	1363.5	1344.3	1313.6
67.5°	1248.3	1244.4	1240.6	1255.9	1240.6	1244.4	1248.3	1233.0	1206.0	1190.6	1148.4
70°	1075.4	1075.4	1071.6	1079.3	1071.6	1075.4	1075.4	1063.9	1048.6	1037.0	998.7
72.5°	891.1	887.2	902.6	891.1	902.6	887.2	891.1	887.2	879.6	868.0	829.7
75°	710.6	718.2	710.6	722.1	710.6	718.2	710.6	714.3	710.6	702.9	676.0
77.5°	541.6	549.2	541.6	541.6	541.6	549.2	541.6	545.4	545.4	545.4	522.4
80°	384.1	380.2	380.2	376.4	380.2	380.2	384.1	384.1	387.9	380.2	372.6
82.5°	245.8	242.0	242.0	249.6	242.0	242.0	245.8	249.6	242.0	242.0	242.0
85°	134.4	138.3	130.6	130.6	130.6	138.3	134.4	126.7	134.4	134.4	130.6
87.5°	49.9	46.1	46.1	46.1	46.1	46.1	49.9	53.8	53.8	53.8	57.7
90°	45.9	45.9	45.9	45.9	45.9	45.9	45.9	61.2	81.7	91.9	79.0
92.5°	229.7	220.6	184.0	147.5	184.0	220.6	229.7	325.7	453.6	517.5	454.4
95°	779.9	752.1	641.5	530.8	641.5	752.1	779.9	1024.1	1349.8	1512.6	1277.5
97.5°	1800.4	1747.8	1537.1	1326.5	1537.1	1747.8	1800.4	1954.8	2160.6	2263.5	1871.4
100°	2528.3	2465.6	2214.6	1963.7	2214.6	2465.6	2528.3	2517.1	2502.1	2494.5	2059.4
102.5°	3149.8	3096.1	2881.1	2666.2	2881.1	3096.1	3149.8	2953.1	2690.9	2559.8	2118.6
105°	3875.3	3846.4	3730.8	3615.3	3730.8	3846.4	3875.3	3434.4	2846.5	2552.5	2125.3
107.5°	4252.6	4259.5	4287.5	4315.4	4287.5	4259.5	4252.6	3637.5	2817.5	2407.4	2030.6
110°	4349.3	4379.4	4499.7	4620.2	4499.7	4379.4	4349.3	3661.7	2744.9	2286.5	1946.8



TEST NUMBER: P935279

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4287.6	4333.9	4518.7	4703.6	4518.7	4333.9	4287.6	3583.9	2645.7	2176.5	1873.7
115°	4078.4	4142.5	4398.9	4655.2	4398.9	4142.5	4078.4	3400.5	2496.6	2044.7	1789.6
117.5°	3789.5	3860.5	4144.8	4429.1	4144.8	3860.5	3789.5	3177.6	2361.8	1954.0	1737.1
120°	3594.8	3663.9	3940.1	4216.3	3940.1	3663.9	3594.8	3035.8	2290.4	1917.7	1719.5
122.5°	3400.1	3468.2	3740.6	4013.1	3740.6	3468.2	3400.1	2896.7	2225.5	1889.9	1710.2
125°	3142.6	3205.3	3456.2	3707.2	3456.2	3205.3	3142.6	2714.9	2144.8	1859.7	1702.5
127.5°	2935.8	2988.7	3200.5	3412.2	3200.5	2988.7	2935.8	2568.6	2079.1	1834.3	1698.1
130°	2805.3	2854.2	3049.7	3245.4	3049.7	2854.2	2805.3	2478.4	2042.6	1824.6	1700.8
132.5°	2694.0	2737.8	2913.0	3088.2	2913.0	2737.8	2694.0	2401.4	2011.2	1816.1	1702.4
135°	2536.7	2574.5	2725.5	2876.6	2725.5	2574.5	2536.7	2291.7	1965.0	1801.7	1700.9
137.5°	2420.8	2451.7	2575.2	2698.9	2575.2	2451.7	2420.8	2213.6	1937.3	1799.2	1711.4
140°	2327.6	2356.5	2472.1	2587.6	2472.1	2356.5	2327.6	2148.7	1910.0	1790.7	1713.1
142.5°	2262.3	2287.1	2386.6	2486.0	2386.6	2287.1	2262.3	2105.2	1895.6	1790.7	1719.2
145°	2164.4	2183.2	2258.4	2333.6	2258.4	2183.2	2164.4	2035.8	1864.4	1778.7	1719.3
147.5°	2082.2	2097.8	2160.1	2222.4	2160.1	2097.8	2082.2	1981.0	1846.1	1778.7	1731.1
150°	2035.0	2047.6	2098.2	2148.7	2098.2	2047.6	2035.0	1949.5	1835.7	1778.7	1737.3
152.5°	1997.5	2007.0	2045.2	2083.4	2045.2	2007.0	1997.5	1924.5	1827.3	1778.7	1741.3
155°	1952.7	1959.0	1984.3	2009.6	1984.3	1959.0	1952.7	1894.7	1817.4	1778.7	1750.2
157.5°	1914.1	1918.5	1936.3	1954.0	1936.3	1918.5	1914.1	1868.9	1808.7	1778.7	1759.1
160°	1894.7	1897.2	1907.5	1917.7	1907.5	1897.2	1894.7	1856.0	1804.5	1778.7	1763.1
162.5°	1876.6	1879.0	1888.7	1898.4	1888.7	1879.0	1876.6	1843.9	1800.4	1778.7	1767.4
165°	1848.8	1851.3	1861.5	1871.7	1861.5	1851.3	1848.8	1825.4	1794.3	1778.7	1773.6
167.5°	1836.7	1837.8	1842.1	1846.3	1842.1	1837.8	1836.7	1821.4	1801.0	1790.7	1786.4
170°	1836.7	1836.7	1836.7	1836.7	1836.7	1836.7	1836.7	1821.4	1801.0	1790.7	1790.4
172.5°	1827.0	1826.1	1822.3	1818.5	1822.3	1826.1	1827.0	1814.9	1798.8	1790.7	1790.7
175°	1813.7	1813.7	1813.7	1813.7	1813.7	1813.7	1813.7	1806.0	1795.8	1790.7	1793.1
177.5°	1811.3	1810.2	1805.9	1801.7	1805.9	1810.2	1811.3	1805.2	1797.2	1793.1	1795.1
180°	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7



TEST NUMBER: P935279

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4059.7	4059.7	4059.7	4059.7	4059.7
2.5°	4009.8	4029.0	4040.5	4055.9	4094.3
5°	3856.2	3929.2	3952.3	4009.8	4079.0
7.5°	3518.2	3741.0	3802.5	3940.7	4048.2
10°	3191.7	3414.5	3522.0	3848.5	4009.8
12.5°	3026.6	3157.2	3230.2	3687.2	3956.0
15°	2922.9	3015.0	3068.8	3472.1	3894.6
17.5°	2842.2	2907.5	2946.0	3260.9	3810.1
20°	2792.3	2823.0	2857.6	3107.2	3714.1
22.5°	2757.7	2738.5	2765.4	2999.7	3583.5
25°	2734.7	2661.7	2692.5	2915.2	3429.9
27.5°	2753.9	2592.6	2604.1	2838.4	3268.5
30°	2757.7	2508.1	2511.9	2757.7	3088.0
32.5°	2730.8	2419.7	2423.6	2657.9	2884.4
35°	2665.5	2316.0	2312.2	2542.7	2608.0
37.5°	2577.2	2204.7	2204.7	2415.9	2304.5
40°	2469.7	2093.2	2104.8	2250.7	2035.7
42.5°	2339.1	1974.1	1989.6	2031.8	1836.0
45°	2196.9	1858.9	1870.5	1716.9	1682.3
47.5°	2039.5	1739.9	1743.7	1424.9	1632.4
50°	1851.3	1617.0	1601.7	1221.4	1628.5
52.5°	1686.2	1482.6	1436.4	1106.1	1478.7
55°	1524.8	1340.4	1240.6	1017.8	1371.1
57.5°	1382.7	1156.1	1060.1	914.2	1348.2
60°	1252.1	975.6	902.6	802.7	1236.7
62.5°	1144.6	841.2	825.8	725.9	1121.5
65°	1029.4	748.9	745.2	660.7	952.5
67.5°	917.9	687.5	683.6	599.1	725.9
70°	798.9	622.2	614.5	533.9	537.7
72.5°	676.0	549.2	541.6	480.1	445.5
75°	553.1	464.7	460.9	418.6	361.0
77.5°	434.0	368.7	376.4	338.0	265.0
80°	311.1	268.9	276.6	242.0	199.7
82.5°	207.4	176.6	184.4	153.6	134.4
85°	115.2	99.9	103.7	80.6	61.4
87.5°	53.8	46.1	46.1	30.7	19.2
90°	53.2	33.8	31.4	21.8	12.1
92.5°	328.1	233.3	212.8	130.5	48.4
95°	807.3	454.7	417.1	266.6	116.1
97.5°	1087.4	499.4	466.2	333.4	200.7
100°	1189.4	536.8	506.7	386.3	266.0
102.5°	1236.2	574.3	546.2	433.9	321.6
105°	1270.8	629.9	606.2	511.1	416.0
107.5°	1277.2	712.2	690.0	601.4	512.7
110°	1267.5	758.1	738.1	658.0	578.0



TEST NUMBER: P935279

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1268.0	813.8	794.7	718.4	642.1
115°	1279.7	897.2	879.6	809.2	738.8
117.5°	1303.5	978.2	962.2	898.3	834.3
120°	1322.9	1025.4	1010.4	950.1	889.9
122.5°	1350.7	1081.0	1065.8	1005.1	944.4
125°	1388.1	1152.3	1138.5	1083.1	1027.8
127.5°	1425.6	1221.2	1207.3	1151.4	1095.5
130°	1453.0	1267.2	1252.1	1192.0	1131.8
132.5°	1475.1	1304.7	1289.6	1229.5	1169.3
135°	1499.3	1348.2	1334.5	1279.7	1224.9
137.5°	1535.6	1403.8	1390.2	1336.0	1281.7
140°	1557.8	1441.3	1428.8	1378.9	1328.9
142.5°	1576.3	1469.1	1457.6	1411.3	1365.1
145°	1600.5	1511.4	1501.4	1461.1	1420.7
147.5°	1636.0	1564.6	1554.9	1515.6	1476.4
150°	1654.6	1592.5	1583.5	1548.1	1512.6
152.5°	1666.6	1610.6	1603.9	1577.0	1550.1
155°	1693.2	1650.5	1645.6	1625.6	1605.7
157.5°	1719.9	1690.4	1685.6	1666.2	1646.8
160°	1731.9	1708.5	1704.8	1689.7	1674.6
162.5°	1744.8	1727.8	1725.0	1713.7	1702.4
165°	1763.3	1755.6	1753.1	1742.8	1732.7
167.5°	1777.8	1771.4	1770.2	1765.3	1760.5
170°	1789.9	1789.5	1788.4	1783.5	1778.7
172.5°	1790.7	1790.7	1790.4	1789.4	1788.3
175°	1798.0	1801.7	1801.7	1801.7	1801.7
177.5°	1798.9	1801.7	1801.7	1801.7	1801.7
180°	1801.7	1801.7	1801.7	1801.7	1801.7



TEST NUMBER: P935279
 CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-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	13.36	14.20	14.34	15.19	16.50	16.21	17.05	17.19	18.04	19.35
	3H	13.83	14.59	14.82	15.59	16.92	17.56	18.31	18.55	19.31	20.64
	4H	14.02	14.74	15.03	15.74	17.08	18.01	18.72	19.01	19.72	21.06
	6H	14.14	14.80	15.16	15.81	17.16	18.30	18.95	19.31	19.96	21.31
	8H	14.14	14.77	15.16	15.79	17.14	18.37	19.00	19.39	20.02	21.37
	12H	14.11	14.71	15.14	15.73	17.10	18.42	19.01	19.44	20.03	21.40
4H	2H	14.39	15.11	15.40	16.11	17.45	16.62	17.33	17.63	18.33	19.67
	3H	15.42	16.01	16.44	17.05	18.40	18.13	18.72	19.14	19.75	21.10
	4H	15.69	16.24	16.72	17.26	18.64	18.66	19.20	19.68	20.23	21.60
	6H	15.82	16.28	16.85	17.33	18.70	19.03	19.49	20.06	20.54	21.91
	8H	15.82	16.26	16.86	17.30	18.69	19.14	19.57	20.17	20.61	22.00
	12H	15.79	16.18	16.85	17.24	18.63	19.20	19.59	20.25	20.65	22.04
8H	4H	16.15	16.59	17.19	17.63	19.01	18.78	19.22	19.82	20.26	21.64
	6H	16.41	16.77	17.47	17.85	19.24	19.22	19.58	20.28	20.66	22.05
	8H	16.45	16.77	17.52	17.84	19.24	19.38	19.69	20.45	20.76	22.16
	12H	16.44	16.71	17.51	17.78	19.22	19.48	19.76	20.55	20.82	22.26
12H	4H	16.16	16.55	17.21	17.61	19.00	18.74	19.14	19.80	20.19	21.58
	6H	16.47	16.79	17.54	17.86	19.26	19.22	19.53	20.29	20.60	22.00
	8H	16.54	16.82	17.61	17.88	19.32	19.38	19.66	20.45	20.72	22.17