

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: P935255

Luminaire Tested: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935255
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-93050-1D-UNV-STD-W-12-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

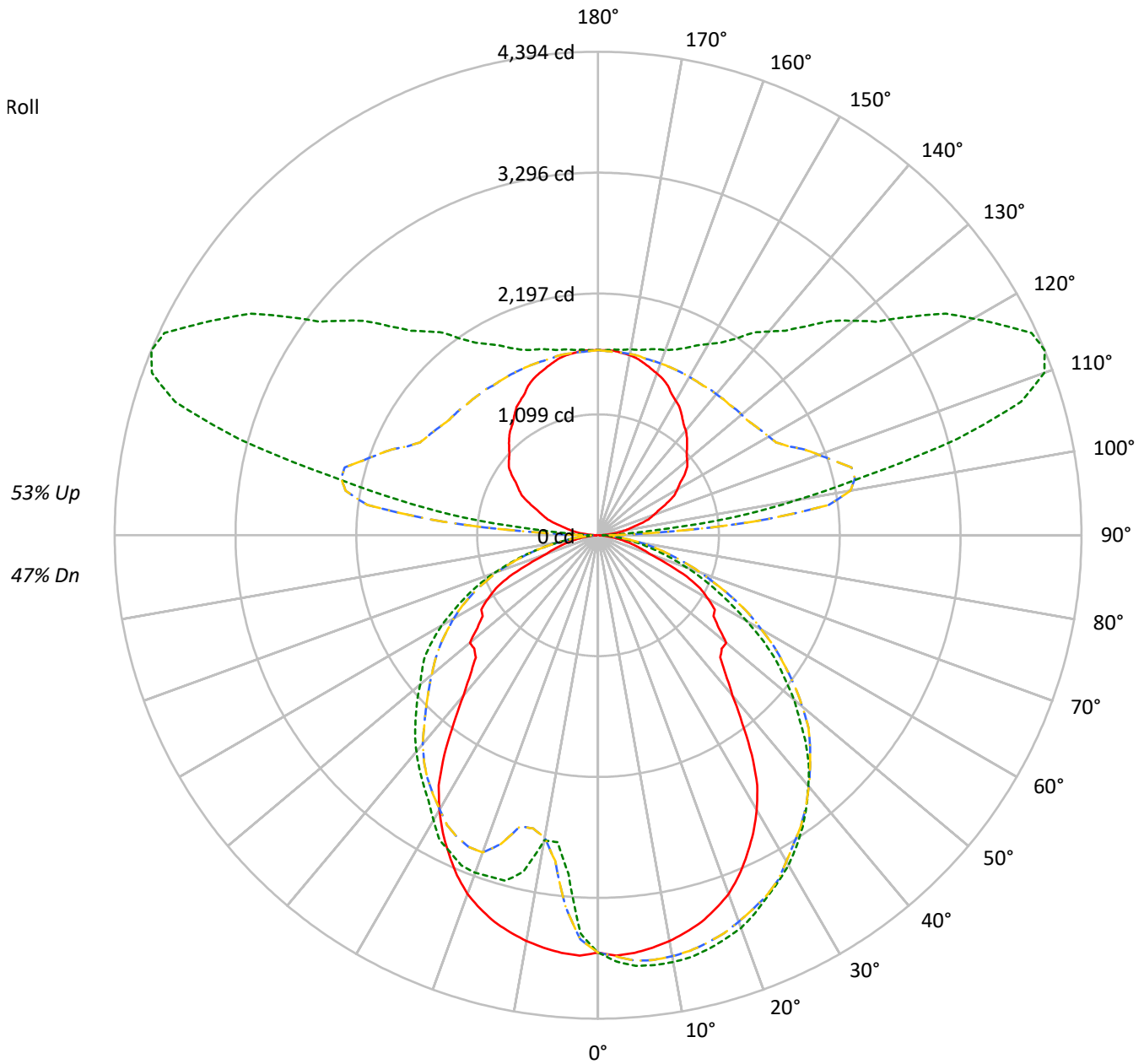
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20749.0 lumens
Efficiency: N/A
Efficacy: 119.2 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: P935255
CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-12-4000K

Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	47	47	47	47
1	97	93	89	86	89	86	82	79	72	70	67	59	58	56	48	47	46	40	40	40	40
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	42	40	38	34	34	34	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	28	28	28	28
4	74	63	55	49	68	58	51	46	49	44	40	41	37	34	33	30	28	24	24	24	24
5	68	56	48	42	62	52	45	39	44	39	34	37	33	29	30	27	24	21	21	21	21
6	62	50	42	36	57	47	39	34	40	34	30	33	29	26	27	24	21	19	19	19	19
7	58	45	37	32	53	42	35	30	36	30	26	30	26	23	25	21	19	16	16	16	16
8	53	41	33	28	49	38	31	27	33	27	23	28	23	20	23	19	17	15	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13	13	13	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12	12	12	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11730	11730	11730	11730
5°	11822	11841	11822	9310
10°	11747	11664	11747	8339
15°	11624	11411	11624	9528
20°	11385	11112	11385	9548
25°	10892	10675	10892	9346
30°	10253	10312	10253	8902
35°	9146	9854	9146	8414
40°	7625	9314	7625	8044
45°	6817	8682	6817	7620
50°	7248	7929	7248	7195
55°	6826	7117	6826	6948
60°	7045	6045	7045	6364
65°	6398	4997	6398	5585
70°	4441	3982	4441	4682
75°	3909	2944	3909	3525
80°	3174	1946	3174	2119
85°	1860	1031	1860	876

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10441 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.3	1.6
10°-20°	971.9	4.7
20°-30°	1502.5	7.2
30°-40°	1793.6	8.6
40°-50°	1804.1	8.7
50°-60°	1569.8	7.6
60°-70°	1113.0	5.4
70°-80°	588.8	2.8
80°-90°	153.1	0.7
90°-100°	820.3	4.0
100°-110°	2156.7	10.4
110°-120°	2236.3	10.8
120°-130°	1793.8	8.6
130°-140°	1407.5	6.8
140°-150°	1080.3	5.2
150°-160°	778.0	3.7
160°-170°	476.0	2.3
170°-180°	160.8	0.8
0°-30°	2816.7	13.6
0°-40°	4610.3	22.2
0°-60°	7984.3	38.5
0°-90°	9839.2	47.4
90°-120°	5213.4	25.1
90°-150°	9495.0	45.8
90°-180°	10910.0	52.6
0°-180°	20749.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3792	3792	3792	3792	3792	
5°	3810	3929	3810	3089	3810	361
15°	3638	3893	3638	3250	3638	1024
25°	3204	3631	3204	3179	3204	1471
35°	2436	3240	2436	2766	2436	1507
45°	1572	2669	1572	2343	1572	1259
55°	1281	1970	1281	1923	1281	1177
65°	890	1188	890	1328	890	850
75°	337	563	337	674	337	355
85°	57	144	57	122	57	78
90°	11	43	11	43	11	12
95°	108	496	108	496	108	120
105°	389	3377	389	3377	389	412
115°	690	4348	690	4348	690	682
125°	960	3463	960	3463	960	852
135°	1144	2687	1144	2687	1144	885
145°	1327	2180	1327	2180	1327	831
155°	1500	1877	1500	1877	1500	689
165°	1618	1748	1618	1748	1618	457
175°	1683	1694	1683	1694	1683	160
180°	1683	1683	1683	1683	1683	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3
2.5°	3824.6	3824.6	3846.1	3853.3	3853.3	3842.5	3831.7	3842.5	3874.8	3885.6	3882.0
5°	3810.3	3839.0	3878.4	3885.6	3892.7	3889.2	3882.0	3889.2	3925.0	3932.2	3935.8
7.5°	3781.5	3835.3	3885.6	3896.4	3907.1	3896.4	3892.7	3900.0	3935.8	3943.0	3943.0
10°	3745.6	3821.0	3878.4	3885.6	3896.4	3885.6	3885.6	3900.0	3935.8	3943.0	3946.6
12.5°	3695.4	3799.5	3853.3	3860.5	3874.8	3871.2	3867.7	3882.0	3917.9	3925.0	3925.0
15°	3638.0	3760.0	3810.3	3817.4	3842.5	3835.3	3835.3	3849.7	3889.2	3900.0	3896.4
17.5°	3559.1	3709.8	3767.2	3778.0	3795.9	3792.3	3795.9	3810.3	3846.1	3853.3	3856.9
20°	3469.4	3641.6	3709.8	3720.6	3738.5	3738.5	3738.5	3756.4	3792.3	3806.7	3806.7
22.5°	3347.4	3569.9	3641.6	3648.8	3670.3	3670.3	3677.5	3702.6	3734.9	3738.5	3738.5
25°	3203.9	3490.9	3551.9	3573.5	3594.9	3605.7	3616.5	3630.9	3641.6	3638.0	3641.6
27.5°	3053.2	3390.5	3469.4	3483.8	3512.5	3523.2	3537.6	3541.2	3544.7	3555.5	3548.3
30°	2884.6	3250.5	3368.9	3383.3	3429.9	3437.1	3422.8	3429.9	3447.8	3455.1	3462.2
32.5°	2694.4	3042.4	3264.9	3297.1	3340.2	3318.7	3315.2	3325.9	3354.6	3354.6	3361.8
35°	2436.2	2881.0	3168.1	3196.8	3229.0	3203.9	3218.2	3221.8	3239.8	3250.5	3247.0
37.5°	2152.7	2741.1	3067.6	3089.1	3114.2	3081.9	3103.4	3114.2	3128.6	3121.4	3121.4
40°	1901.6	2522.2	2949.2	2963.5	2985.0	2960.0	2981.4	2988.7	2995.8	2988.7	2985.0
42.5°	1715.0	2281.8	2823.6	2841.6	2827.2	2845.1	2852.3	2866.6	2855.9	2841.6	2841.6
45°	1571.5	2217.3	2687.2	2708.8	2687.2	2715.9	2726.7	2726.7	2694.4	2687.2	2683.7
47.5°	1524.8	2088.1	2550.9	2550.9	2540.2	2576.0	2594.0	2568.8	2536.5	2525.9	2525.9
50°	1521.2	1944.6	2364.4	2350.0	2400.2	2443.3	2425.4	2400.2	2375.1	2335.7	2335.7
52.5°	1381.3	1768.8	2124.0	2177.8	2256.7	2281.8	2253.1	2228.1	2185.0	2167.0	2152.7
55°	1280.8	1585.8	1905.1	2012.7	2095.3	2127.6	2073.7	2048.7	1984.0	1973.3	1966.1
57.5°	1259.4	1320.3	1704.2	1840.6	1941.0	1937.4	1905.1	1858.5	1804.6	1793.9	1790.3
60°	1155.3	954.3	1488.9	1650.4	1754.5	1743.7	1715.0	1671.9	1621.7	1614.5	1607.3
62.5°	1047.6	692.4	1245.0	1428.0	1575.1	1571.5	1546.4	1481.7	1445.9	1428.0	1413.6
65°	889.8	581.2	886.2	1187.6	1399.2	1406.4	1352.6	1306.0	1266.5	1245.0	1241.3
67.5°	678.1	473.6	599.1	990.2	1230.7	1223.4	1155.3	1133.7	1083.5	1072.7	1051.3
70°	502.3	315.7	416.2	803.7	1065.6	1047.6	993.8	968.7	922.1	896.9	882.6
72.5°	416.2	254.7	304.9	624.3	896.9	875.4	828.8	800.1	760.6	739.1	724.8
75°	337.3	269.1	233.2	462.8	728.3	714.0	670.9	642.2	609.9	581.2	584.8
77.5°	247.6	251.2	186.6	340.9	577.7	556.1	531.0	495.1	480.7	452.0	452.0
80°	186.6	197.3	139.9	233.2	416.2	416.2	394.7	369.6	344.4	330.1	330.1
82.5°	125.5	125.5	104.0	147.1	283.4	272.6	258.3	251.2	236.8	229.6	229.6
85°	57.4	71.8	64.5	89.7	154.2	161.5	161.5	154.2	150.7	143.5	147.1
87.5°	17.9	32.3	39.5	50.2	78.9	82.6	86.1	86.1	86.1	89.7	89.7
90°	11.3	20.4	29.3	31.6	49.7	73.8	85.8	76.3	57.2	42.9	42.9
92.5°	45.2	121.9	198.8	218.0	306.5	424.4	483.4	423.7	304.2	214.6	206.1
95°	108.4	249.0	389.6	424.7	754.1	1193.4	1413.0	1260.9	956.7	728.5	702.6
97.5°	187.5	311.5	435.5	466.5	1015.8	1748.1	2114.4	2018.2	1826.0	1681.8	1632.6
100°	248.5	360.9	473.3	501.5	1111.0	1923.7	2330.2	2337.2	2351.2	2361.7	2303.2
102.5°	300.4	405.3	510.2	536.5	1154.7	1979.0	2391.2	2513.6	2758.6	2942.3	2892.1
105°	388.6	477.4	566.3	588.4	1187.1	1985.3	2384.4	2659.0	3208.2	3620.0	3593.0
107.5°	478.9	561.7	644.6	665.3	1193.1	1896.9	2248.8	2631.8	3397.9	3972.4	3978.9
110°	539.9	614.7	689.5	708.2	1184.0	1818.6	2135.8	2564.0	3420.4	4062.7	4090.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	599.8	671.1	742.3	760.2	1184.5	1750.2	2033.1	2471.4	3347.8	4005.2	4048.3
115°	690.1	755.9	821.6	838.1	1195.4	1671.7	1910.0	2332.1	3176.5	3809.7	3869.6
117.5°	779.3	839.1	898.8	913.8	1217.6	1622.7	1825.3	2206.2	2968.3	3539.8	3606.2
120°	831.3	887.5	943.8	957.8	1235.7	1606.2	1791.4	2139.5	2835.8	3358.0	3422.5
122.5°	882.2	938.9	995.6	1009.8	1261.7	1597.5	1765.4	2078.9	2705.9	3176.1	3239.8
125°	960.1	1011.8	1063.5	1076.4	1296.6	1590.4	1737.2	2003.5	2536.1	2935.5	2994.1
127.5°	1023.3	1075.5	1127.7	1140.8	1331.7	1586.2	1713.5	1942.1	2399.4	2742.4	2791.8
130°	1057.2	1113.4	1169.6	1183.7	1357.3	1588.7	1704.4	1908.0	2315.1	2620.4	2666.2
132.5°	1092.3	1148.5	1204.7	1218.7	1377.9	1590.3	1696.5	1878.7	2243.2	2516.5	2557.4
135°	1144.2	1195.4	1246.6	1259.4	1400.6	1588.8	1683.0	1835.6	2140.7	2369.6	2404.9
137.5°	1197.3	1247.9	1298.6	1311.3	1434.4	1598.6	1680.7	1809.7	2067.7	2261.3	2290.1
140°	1241.3	1288.0	1334.7	1346.3	1455.1	1600.2	1672.7	1784.2	2007.1	2174.3	2201.3
142.5°	1275.2	1318.4	1361.5	1372.3	1472.4	1605.9	1672.7	1770.7	1966.5	2113.3	2136.5
145°	1327.1	1364.8	1402.5	1411.9	1495.1	1606.0	1661.5	1741.5	1901.7	2021.8	2039.3
147.5°	1379.1	1415.8	1452.4	1461.6	1528.2	1617.1	1661.5	1724.5	1850.5	1945.0	1959.6
150°	1413.0	1446.1	1479.2	1487.5	1545.6	1622.9	1661.5	1714.7	1821.1	1900.9	1912.7
152.5°	1448.0	1473.1	1498.2	1504.5	1556.8	1626.6	1661.5	1707.0	1797.7	1865.9	1874.8
155°	1499.9	1518.5	1537.1	1541.8	1581.7	1634.9	1661.5	1697.6	1769.9	1824.1	1830.0
157.5°	1538.3	1556.4	1574.5	1579.1	1606.6	1643.2	1661.5	1689.6	1745.8	1788.0	1792.1
160°	1564.3	1578.4	1592.4	1596.0	1617.8	1646.9	1661.5	1685.6	1733.7	1769.9	1772.2
162.5°	1590.3	1600.8	1611.4	1614.0	1629.8	1650.9	1661.5	1681.8	1722.4	1752.9	1755.2
165°	1618.5	1628.0	1637.6	1640.0	1647.1	1656.7	1661.5	1676.1	1705.1	1727.0	1729.3
167.5°	1644.5	1649.0	1653.5	1654.7	1660.7	1668.8	1672.7	1682.3	1701.4	1715.7	1716.7
170°	1661.5	1666.0	1670.6	1671.7	1672.0	1672.5	1672.7	1682.3	1701.4	1715.7	1715.7
172.5°	1670.5	1671.5	1672.5	1672.7	1672.7	1672.7	1672.7	1680.3	1695.4	1706.7	1705.8
175°	1683.0	1683.0	1683.0	1683.0	1679.5	1675.0	1672.7	1677.5	1687.0	1694.2	1694.2
177.5°	1683.0	1683.0	1683.0	1683.0	1680.3	1676.8	1675.0	1678.8	1686.3	1691.9	1690.9
180°	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3
2.5°	3889.2	3878.4	3889.2	3882.0	3885.6	3874.8	3842.5	3831.7	3842.5	3853.3	3853.3
5°	3935.8	3928.7	3935.8	3935.8	3932.2	3925.0	3889.2	3882.0	3889.2	3892.7	3885.6
7.5°	3950.1	3939.4	3950.1	3943.0	3943.0	3935.8	3900.0	3892.7	3896.4	3907.1	3896.4
10°	3950.1	3939.4	3950.1	3946.6	3943.0	3935.8	3900.0	3885.6	3885.6	3896.4	3885.6
12.5°	3932.2	3925.0	3932.2	3925.0	3925.0	3917.9	3882.0	3867.7	3871.2	3874.8	3860.5
15°	3903.5	3892.7	3903.5	3896.4	3900.0	3889.2	3849.7	3835.3	3835.3	3842.5	3817.4
17.5°	3860.5	3846.1	3860.5	3856.9	3853.3	3846.1	3810.3	3795.9	3792.3	3795.9	3778.0
20°	3810.3	3799.5	3810.3	3806.7	3806.7	3792.3	3756.4	3738.5	3738.5	3738.5	3720.6
22.5°	3731.3	3720.6	3731.3	3738.5	3738.5	3734.9	3702.6	3677.5	3670.3	3670.3	3648.8
25°	3641.6	3630.9	3641.6	3641.6	3638.0	3641.6	3630.9	3616.5	3605.7	3594.9	3573.5
27.5°	3555.5	3548.3	3555.5	3548.3	3555.5	3544.7	3541.2	3537.6	3523.2	3512.5	3483.8
30°	3469.4	3462.2	3469.4	3462.2	3455.1	3447.8	3429.9	3422.8	3437.1	3429.9	3383.3
32.5°	3361.8	3354.6	3361.8	3361.8	3354.6	3354.6	3325.9	3315.2	3318.7	3340.2	3297.1
35°	3250.5	3239.8	3250.5	3247.0	3250.5	3239.8	3221.8	3218.2	3203.9	3229.0	3196.8
37.5°	3121.4	3110.6	3121.4	3121.4	3121.4	3128.6	3114.2	3103.4	3081.9	3114.2	3089.1
40°	2988.7	2974.3	2988.7	2985.0	2988.7	2995.8	2988.7	2981.4	2960.0	2985.0	2963.5
42.5°	2838.0	2834.3	2838.0	2841.6	2841.6	2855.9	2866.6	2852.3	2845.1	2827.2	2841.6
45°	2676.5	2669.3	2676.5	2683.7	2687.2	2694.4	2726.7	2726.7	2715.9	2687.2	2708.8
47.5°	2504.3	2486.4	2504.3	2525.9	2525.9	2536.5	2568.8	2594.0	2576.0	2540.2	2550.9
50°	2321.3	2324.9	2321.3	2335.7	2335.7	2375.1	2400.2	2425.4	2443.3	2400.2	2350.0
52.5°	2141.9	2138.4	2141.9	2152.7	2167.0	2185.0	2228.1	2253.1	2281.8	2256.7	2177.8
55°	1962.5	1969.7	1962.5	1966.1	1973.3	1984.0	2048.7	2073.7	2127.6	2095.3	2012.7
57.5°	1783.2	1772.4	1783.2	1790.3	1793.9	1804.6	1858.5	1905.1	1937.4	1941.0	1840.6
60°	1575.1	1560.7	1575.1	1607.3	1614.5	1621.7	1671.9	1715.0	1743.7	1754.5	1650.4
62.5°	1392.0	1367.0	1392.0	1413.6	1428.0	1445.9	1481.7	1546.4	1571.5	1575.1	1428.0
65°	1198.3	1187.6	1198.3	1241.3	1245.0	1266.5	1306.0	1352.6	1406.4	1399.2	1187.6
67.5°	1022.6	1022.6	1022.6	1051.3	1072.7	1083.5	1133.7	1155.3	1223.4	1230.7	990.2
70°	861.1	857.5	861.1	882.6	896.9	922.1	968.7	993.8	1047.6	1065.6	803.7
72.5°	706.8	703.2	706.8	724.8	739.1	760.6	800.1	828.8	875.4	896.9	624.3
75°	570.4	563.3	570.4	584.8	581.2	609.9	642.2	670.9	714.0	728.3	462.8
77.5°	437.7	437.7	437.7	452.0	452.0	480.7	495.1	531.0	556.1	577.7	340.9
80°	326.5	322.9	326.5	330.1	330.1	344.4	369.6	394.7	416.2	416.2	233.2
82.5°	229.6	222.4	229.6	229.6	229.6	236.8	251.2	258.3	272.6	283.4	147.1
85°	143.5	143.5	143.5	147.1	143.5	150.7	154.2	161.5	161.5	154.2	89.7
87.5°	93.3	89.7	93.3	89.7	89.7	86.1	86.1	86.1	82.6	78.9	50.2
90°	42.9	42.9	42.9	42.9	42.9	57.2	76.3	85.8	73.8	49.7	31.6
92.5°	171.9	137.8	171.9	206.1	214.6	304.2	423.7	483.4	424.4	306.5	218.0
95°	599.2	495.8	599.2	702.6	728.5	956.7	1260.9	1413.0	1193.4	754.1	424.7
97.5°	1435.9	1239.1	1435.9	1632.6	1681.8	1826.0	2018.2	2114.4	1748.1	1015.8	466.5
100°	2068.7	1834.3	2068.7	2303.2	2361.7	2351.2	2337.2	2330.2	1923.7	1111.0	501.5
102.5°	2691.3	2490.6	2691.3	2892.1	2942.3	2758.6	2513.6	2391.2	1979.0	1154.7	536.5
105°	3485.1	3377.2	3485.1	3593.0	3620.0	3208.2	2659.0	2384.4	1985.3	1187.1	588.4
107.5°	4005.1	4031.1	4005.1	3978.9	3972.4	3397.9	2631.8	2248.8	1896.9	1193.1	665.3
110°	4203.3	4315.8	4203.3	4090.9	4062.7	3420.4	2564.0	2135.8	1818.6	1184.0	708.2



TEST NUMBER: P935255

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4221.0	4393.7	4221.0	4048.3	4005.2	3347.8	2471.4	2033.1	1750.2	1184.5	760.2
115°	4109.1	4348.5	4109.1	3869.6	3809.7	3176.5	2332.1	1910.0	1671.7	1195.4	838.1
117.5°	3871.7	4137.3	3871.7	3606.2	3539.8	2968.3	2206.2	1825.3	1622.7	1217.6	913.8
120°	3680.5	3938.5	3680.5	3422.5	3358.0	2835.8	2139.5	1791.4	1606.2	1235.7	957.8
122.5°	3494.2	3748.7	3494.2	3239.8	3176.1	2705.9	2078.9	1765.4	1597.5	1261.7	1009.8
125°	3228.5	3463.0	3228.5	2994.1	2935.5	2536.1	2003.5	1737.2	1590.4	1296.6	1076.4
127.5°	2989.7	3187.4	2989.7	2791.8	2742.4	2399.4	1942.1	1713.5	1586.2	1331.7	1140.8
130°	2848.8	3031.6	2848.8	2666.2	2620.4	2315.1	1908.0	1704.4	1588.7	1357.3	1183.7
132.5°	2721.1	2884.7	2721.1	2557.4	2516.5	2243.2	1878.7	1696.5	1590.3	1377.9	1218.7
135°	2545.9	2687.1	2545.9	2404.9	2369.6	2140.7	1835.6	1683.0	1588.8	1400.6	1259.4
137.5°	2405.6	2521.1	2405.6	2290.1	2261.3	2067.7	1809.7	1680.7	1598.6	1434.4	1311.3
140°	2309.2	2417.1	2309.2	2201.3	2174.3	2007.1	1784.2	1672.7	1600.2	1455.1	1346.3
142.5°	2229.3	2322.2	2229.3	2136.5	2113.3	1966.5	1770.7	1672.7	1605.9	1472.4	1372.3
145°	2109.7	2179.9	2109.7	2039.3	2021.8	1901.7	1741.5	1661.5	1606.0	1495.1	1411.9
147.5°	2017.8	2076.0	2017.8	1959.6	1945.0	1850.5	1724.5	1661.5	1617.1	1528.2	1461.6
150°	1959.9	2007.1	1959.9	1912.7	1900.9	1821.1	1714.7	1661.5	1622.9	1545.6	1487.5
152.5°	1910.4	1946.1	1910.4	1874.8	1865.9	1797.7	1707.0	1661.5	1626.6	1556.8	1504.5
155°	1853.6	1877.2	1853.6	1830.0	1824.1	1769.9	1697.6	1661.5	1634.9	1581.7	1541.8
157.5°	1808.7	1825.3	1808.7	1792.1	1788.0	1745.8	1689.6	1661.5	1643.2	1606.6	1579.1
160°	1781.8	1791.4	1781.8	1772.2	1769.9	1733.7	1685.6	1661.5	1646.9	1617.8	1596.0
162.5°	1764.2	1773.3	1764.2	1755.2	1752.9	1722.4	1681.8	1661.5	1650.9	1629.8	1614.0
165°	1738.9	1748.4	1738.9	1729.3	1727.0	1705.1	1676.1	1661.5	1656.7	1647.1	1640.0
167.5°	1720.7	1724.7	1720.7	1716.7	1715.7	1701.4	1682.3	1672.7	1668.8	1660.7	1654.7
170°	1715.7	1715.7	1715.7	1715.7	1715.7	1701.4	1682.3	1672.7	1672.5	1672.0	1671.7
172.5°	1702.2	1698.7	1702.2	1705.8	1706.7	1695.4	1680.3	1672.7	1672.7	1672.7	1672.7
175°	1694.2	1694.2	1694.2	1694.2	1694.2	1687.0	1677.5	1672.7	1675.0	1679.5	1683.0
177.5°	1686.9	1683.0	1686.9	1690.9	1691.9	1686.3	1678.8	1675.0	1676.8	1680.3	1683.0
180°	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0



TEST NUMBER: P935255

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3
2.5°	3846.1	3824.6	3824.6	3788.7	3774.3	3763.6	3745.6	3691.9	3677.5	3663.1	3684.6
5°	3878.4	3839.0	3810.3	3745.6	3691.9	3670.3	3602.2	3473.0	3386.8	3322.3	3286.5
7.5°	3885.6	3835.3	3781.5	3681.1	3551.9	3494.6	3286.5	3049.7	2985.0	2927.7	2891.7
10°	3878.4	3821.0	3745.6	3594.9	3290.0	3189.5	2981.4	2827.2	2787.7	2776.9	2787.7
12.5°	3853.3	3799.5	3695.4	3444.3	3017.4	2949.2	2827.2	2737.5	2730.3	2748.2	2845.1
15°	3810.3	3760.0	3638.0	3243.4	2866.6	2816.4	2730.3	2698.0	2737.5	2863.0	3153.7
17.5°	3767.2	3709.8	3559.1	3046.0	2751.9	2715.9	2654.9	2719.6	2942.0	3110.6	3207.5
20°	3709.8	3641.6	3469.4	2902.5	2669.3	2637.0	2608.3	2899.0	3067.6	3128.6	3182.4
22.5°	3641.6	3569.9	3347.4	2802.1	2583.2	2558.1	2576.0	2999.4	3067.6	3110.6	3157.3
25°	3551.9	3490.9	3203.9	2723.2	2515.1	2486.4	2554.5	2988.7	3028.1	3038.9	3132.1
27.5°	3469.4	3390.5	3053.2	2651.4	2432.5	2421.8	2572.5	2942.0	2970.7	2981.4	3081.9
30°	3368.9	3250.5	2884.6	2576.0	2346.4	2342.8	2576.0	2884.6	2877.4	2906.1	3006.6
32.5°	3264.9	3042.4	2694.4	2482.8	2263.9	2260.3	2550.9	2798.5	2791.3	2830.8	2906.1
35°	3168.1	2881.0	2436.2	2375.1	2159.9	2163.4	2489.9	2698.0	2701.6	2737.5	2784.1
37.5°	3067.6	2741.1	2152.7	2256.7	2059.4	2059.4	2407.4	2604.8	2597.5	2608.3	2672.9
40°	2949.2	2522.2	1901.6	2102.4	1966.1	1955.3	2307.0	2504.3	2479.1	2475.6	2565.3
42.5°	2823.6	2281.8	1715.0	1897.9	1858.5	1844.1	2185.0	2382.3	2335.7	2346.4	2461.2
45°	2687.2	2217.3	1571.5	1603.8	1747.2	1736.5	2052.2	2242.4	2210.0	2238.8	2357.2
47.5°	2550.9	2088.1	1524.8	1331.0	1628.8	1625.3	1905.1	2106.0	2088.1	2116.8	2242.4
50°	2364.4	1944.6	1521.2	1141.0	1496.1	1510.4	1729.3	1973.3	1973.3	1998.4	2131.1
52.5°	2124.0	1768.8	1381.3	1033.2	1341.8	1384.9	1575.1	1858.5	1865.6	1890.8	2009.2
55°	1905.1	1585.8	1280.8	950.8	1158.9	1252.1	1424.4	1740.1	1754.5	1779.5	1887.2
57.5°	1704.2	1320.3	1259.4	853.9	990.2	1079.9	1291.6	1625.3	1632.5	1654.0	1758.0
60°	1488.9	954.3	1155.3	749.8	843.2	911.3	1169.6	1488.9	1514.1	1528.4	1618.1
62.5°	1245.0	692.4	1047.6	678.1	771.4	785.8	1069.2	1359.7	1392.0	1402.8	1456.7
65°	886.2	581.2	889.8	617.1	696.1	699.6	961.6	1227.0	1255.7	1273.7	1313.1
67.5°	599.1	473.6	678.1	559.7	638.6	642.2	857.5	1072.7	1112.2	1126.6	1151.7
70°	416.2	315.7	502.3	498.7	574.1	581.2	746.3	932.9	968.7	979.5	993.8
72.5°	304.9	254.7	416.2	448.5	505.9	513.0	631.4	775.0	810.8	821.6	828.8
75°	233.2	269.1	337.3	391.0	430.5	434.1	516.7	631.4	656.6	663.8	667.3
77.5°	186.6	251.2	247.6	315.7	351.6	344.4	405.4	488.0	509.4	509.4	509.4
80°	139.9	197.3	186.6	226.0	258.3	251.2	290.6	348.0	355.2	362.3	358.8
82.5°	104.0	125.5	125.5	143.5	172.3	165.0	193.7	226.0	226.0	226.0	233.2
85°	64.5	71.8	57.4	75.3	96.9	93.3	107.6	122.0	125.5	125.5	118.4
87.5°	39.5	32.3	17.9	28.7	43.1	43.1	50.2	53.9	50.2	50.2	50.2
90°	29.3	20.4	11.3	20.4	29.3	31.6	49.7	73.8	85.8	76.3	57.2
92.5°	198.8	121.9	45.2	121.9	198.8	218.0	306.5	424.4	483.4	423.7	304.2
95°	389.6	249.0	108.4	249.0	389.6	424.7	754.1	1193.4	1413.0	1260.9	956.7
97.5°	435.5	311.5	187.5	311.5	435.5	466.5	1015.8	1748.1	2114.4	2018.2	1826.0
100°	473.3	360.9	248.5	360.9	473.3	501.5	1111.0	1923.7	2330.2	2337.2	2351.2
102.5°	510.2	405.3	300.4	405.3	510.2	536.5	1154.7	1979.0	2391.2	2513.6	2758.6
105°	566.3	477.4	388.6	477.4	566.3	588.4	1187.1	1985.3	2384.4	2659.0	3208.2
107.5°	644.6	561.7	478.9	561.7	644.6	665.3	1193.1	1896.9	2248.8	2631.8	3397.9
110°	689.5	614.7	539.9	614.7	689.5	708.2	1184.0	1818.6	2135.8	2564.0	3420.4



TEST NUMBER: P935255

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	742.3	671.1	599.8	671.1	742.3	760.2	1184.5	1750.2	2033.1	2471.4	3347.8
115°	821.6	755.9	690.1	755.9	821.6	838.1	1195.4	1671.7	1910.0	2332.1	3176.5
117.5°	898.8	839.1	779.3	839.1	898.8	913.8	1217.6	1622.7	1825.3	2206.2	2968.3
120°	943.8	887.5	831.3	887.5	943.8	957.8	1235.7	1606.2	1791.4	2139.5	2835.8
122.5°	995.6	938.9	882.2	938.9	995.6	1009.8	1261.7	1597.5	1765.4	2078.9	2705.9
125°	1063.5	1011.8	960.1	1011.8	1063.5	1076.4	1296.6	1590.4	1737.2	2003.5	2536.1
127.5°	1127.7	1075.5	1023.3	1075.5	1127.7	1140.8	1331.7	1586.2	1713.5	1942.1	2399.4
130°	1169.6	1113.4	1057.2	1113.4	1169.6	1183.7	1357.3	1588.7	1704.4	1908.0	2315.1
132.5°	1204.7	1148.5	1092.3	1148.5	1204.7	1218.7	1377.9	1590.3	1696.5	1878.7	2243.2
135°	1246.6	1195.4	1144.2	1195.4	1246.6	1259.4	1400.6	1588.8	1683.0	1835.6	2140.7
137.5°	1298.6	1247.9	1197.3	1247.9	1298.6	1311.3	1434.4	1598.6	1680.7	1809.7	2067.7
140°	1334.7	1288.0	1241.3	1288.0	1334.7	1346.3	1455.1	1600.2	1672.7	1784.2	2007.1
142.5°	1361.5	1318.4	1275.2	1318.4	1361.5	1372.3	1472.4	1605.9	1672.7	1770.7	1966.5
145°	1402.5	1364.8	1327.1	1364.8	1402.5	1411.9	1495.1	1606.0	1661.5	1741.5	1901.7
147.5°	1452.4	1415.8	1379.1	1415.8	1452.4	1461.6	1528.2	1617.1	1661.5	1724.5	1850.5
150°	1479.2	1446.1	1413.0	1446.1	1479.2	1487.5	1545.6	1622.9	1661.5	1714.7	1821.1
152.5°	1498.2	1473.1	1448.0	1473.1	1498.2	1504.5	1556.8	1626.6	1661.5	1707.0	1797.7
155°	1537.1	1518.5	1499.9	1518.5	1537.1	1541.8	1581.7	1634.9	1661.5	1697.6	1769.9
157.5°	1574.5	1556.4	1538.3	1556.4	1574.5	1579.1	1606.6	1643.2	1661.5	1689.6	1745.8
160°	1592.4	1578.4	1564.3	1578.4	1592.4	1596.0	1617.8	1646.9	1661.5	1685.6	1733.7
162.5°	1611.4	1600.8	1590.3	1600.8	1611.4	1614.0	1629.8	1650.9	1661.5	1681.8	1722.4
165°	1637.6	1628.0	1618.5	1628.0	1637.6	1640.0	1647.1	1656.7	1661.5	1676.1	1705.1
167.5°	1653.5	1649.0	1644.5	1649.0	1653.5	1654.7	1660.7	1668.8	1672.7	1682.3	1701.4
170°	1670.6	1666.0	1661.5	1666.0	1670.6	1671.7	1672.0	1672.5	1672.7	1682.3	1701.4
172.5°	1672.5	1671.5	1670.5	1671.5	1672.5	1672.7	1672.7	1672.7	1672.7	1680.3	1695.4
175°	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1679.5	1675.0	1672.7	1677.5	1687.0
177.5°	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1680.3	1676.8	1675.0	1678.8	1686.3
180°	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0



TEST NUMBER: P935255
 CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3
2.5°	3659.6	3648.8	3663.1	3623.6	3663.1	3648.8	3659.6	3684.6	3663.1	3677.5	3691.9
5°	3211.1	3193.1	3135.7	3089.1	3135.7	3193.1	3211.1	3286.5	3322.3	3386.8	3473.0
7.5°	2870.3	2855.9	2841.6	2812.8	2841.6	2855.9	2870.3	2891.7	2927.7	2985.0	3049.7
10°	2794.9	2798.5	2820.0	2816.4	2820.0	2798.5	2794.9	2787.7	2776.9	2787.7	2827.2
12.5°	2988.7	3020.9	3139.3	3132.1	3139.3	3020.9	2988.7	2845.1	2748.2	2730.3	2737.5
15°	3211.1	3221.8	3247.0	3250.5	3247.0	3221.8	3211.1	3153.7	2863.0	2737.5	2698.0
17.5°	3232.6	3236.2	3254.1	3254.1	3254.1	3236.2	3232.6	3207.5	3110.6	2942.0	2719.6
20°	3214.7	3221.8	3257.7	3264.9	3257.7	3221.8	3214.7	3182.4	3128.6	3067.6	2899.0
22.5°	3207.5	3221.8	3250.5	3247.0	3250.5	3221.8	3207.5	3157.3	3110.6	3067.6	2999.4
25°	3171.6	3171.6	3175.2	3178.7	3175.2	3171.6	3171.6	3132.1	3038.9	3028.1	2988.7
27.5°	3096.3	3103.4	3125.0	3121.4	3125.0	3103.4	3096.3	3081.9	2981.4	2970.7	2942.0
30°	3028.1	3020.9	3003.0	2988.7	3003.0	3020.9	3028.1	3006.6	2906.1	2877.4	2884.6
32.5°	2913.3	2895.3	2877.4	2866.6	2877.4	2895.3	2913.3	2906.1	2830.8	2791.3	2798.5
35°	2776.9	2780.6	2776.9	2766.2	2776.9	2780.6	2776.9	2784.1	2737.5	2701.6	2698.0
37.5°	2680.1	2687.2	2683.7	2669.3	2683.7	2687.2	2680.1	2672.9	2608.3	2597.5	2604.8
40°	2579.6	2583.2	2579.6	2568.8	2579.6	2583.2	2579.6	2565.3	2475.6	2479.1	2504.3
42.5°	2482.8	2479.1	2468.4	2461.2	2468.4	2479.1	2482.8	2461.2	2346.4	2335.7	2382.3
45°	2371.5	2375.1	2353.6	2342.8	2353.6	2375.1	2371.5	2357.2	2238.8	2210.0	2242.4
47.5°	2260.3	2260.3	2242.4	2231.6	2242.4	2260.3	2260.3	2242.4	2116.8	2088.1	2106.0
50°	2141.9	2138.4	2113.2	2109.7	2113.2	2138.4	2141.9	2131.1	1998.4	1973.3	1973.3
52.5°	2005.6	2005.6	2009.2	2016.3	2009.2	2005.6	2005.6	2009.2	1890.8	1865.6	1858.5
55°	1887.2	1890.8	1915.9	1923.0	1915.9	1890.8	1887.2	1887.2	1779.5	1754.5	1740.1
57.5°	1765.2	1765.2	1783.2	1783.2	1783.2	1765.2	1765.2	1758.0	1654.0	1632.5	1625.3
60°	1625.3	1632.5	1646.8	1643.2	1646.8	1632.5	1625.3	1618.1	1528.4	1514.1	1488.9
62.5°	1478.1	1485.4	1488.9	1481.7	1488.9	1485.4	1478.1	1456.7	1402.8	1392.0	1359.7
65°	1323.9	1331.0	1334.7	1327.5	1334.7	1331.0	1323.9	1313.1	1273.7	1255.7	1227.0
67.5°	1166.0	1162.4	1158.9	1173.2	1158.9	1162.4	1166.0	1151.7	1126.6	1112.2	1072.7
70°	1004.5	1004.5	1001.0	1008.2	1001.0	1004.5	1004.5	993.8	979.5	968.7	932.9
72.5°	832.4	828.8	843.2	832.4	843.2	828.8	832.4	828.8	821.6	810.8	775.0
75°	663.8	670.9	663.8	674.5	663.8	670.9	663.8	667.3	663.8	656.6	631.4
77.5°	505.9	513.0	505.9	505.9	505.9	513.0	505.9	509.4	509.4	509.4	488.0
80°	358.8	355.2	355.2	351.6	355.2	355.2	358.8	358.8	362.3	355.2	348.0
82.5°	229.6	226.0	226.0	233.2	226.0	226.0	229.6	233.2	226.0	226.0	226.0
85°	125.5	129.2	122.0	122.0	122.0	129.2	125.5	118.4	125.5	125.5	122.0
87.5°	46.6	43.1	43.1	43.1	43.1	43.1	46.6	50.2	50.2	50.2	53.9
90°	42.9	42.9	42.9	42.9	42.9	42.9	42.9	57.2	76.3	85.8	73.8
92.5°	214.6	206.1	171.9	137.8	171.9	206.1	214.6	304.2	423.7	483.4	424.4
95°	728.5	702.6	599.2	495.8	599.2	702.6	728.5	956.7	1260.9	1413.0	1193.4
97.5°	1681.8	1632.6	1435.9	1239.1	1435.9	1632.6	1681.8	1826.0	2018.2	2114.4	1748.1
100°	2361.7	2303.2	2068.7	1834.3	2068.7	2303.2	2361.7	2351.2	2337.2	2330.2	1923.7
102.5°	2942.3	2892.1	2691.3	2490.6	2691.3	2892.1	2942.3	2758.6	2513.6	2391.2	1979.0
105°	3620.0	3593.0	3485.1	3377.2	3485.1	3593.0	3620.0	3208.2	2659.0	2384.4	1985.3
107.5°	3972.4	3978.9	4005.1	4031.1	4005.1	3978.9	3972.4	3397.9	2631.8	2248.8	1896.9
110°	4062.7	4090.9	4203.3	4315.8	4203.3	4090.9	4062.7	3420.4	2564.0	2135.8	1818.6



TEST NUMBER: P935255

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4005.2	4048.3	4221.0	4393.7	4221.0	4048.3	4005.2	3347.8	2471.4	2033.1	1750.2
115°	3809.7	3869.6	4109.1	4348.5	4109.1	3869.6	3809.7	3176.5	2332.1	1910.0	1671.7
117.5°	3539.8	3606.2	3871.7	4137.3	3871.7	3606.2	3539.8	2968.3	2206.2	1825.3	1622.7
120°	3358.0	3422.5	3680.5	3938.5	3680.5	3422.5	3358.0	2835.8	2139.5	1791.4	1606.2
122.5°	3176.1	3239.8	3494.2	3748.7	3494.2	3239.8	3176.1	2705.9	2078.9	1765.4	1597.5
125°	2935.5	2994.1	3228.5	3463.0	3228.5	2994.1	2935.5	2536.1	2003.5	1737.2	1590.4
127.5°	2742.4	2791.8	2989.7	3187.4	2989.7	2791.8	2742.4	2399.4	1942.1	1713.5	1586.2
130°	2620.4	2666.2	2848.8	3031.6	2848.8	2666.2	2620.4	2315.1	1908.0	1704.4	1588.7
132.5°	2516.5	2557.4	2721.1	2884.7	2721.1	2557.4	2516.5	2243.2	1878.7	1696.5	1590.3
135°	2369.6	2404.9	2545.9	2687.1	2545.9	2404.9	2369.6	2140.7	1835.6	1683.0	1588.8
137.5°	2261.3	2290.1	2405.6	2521.1	2405.6	2290.1	2261.3	2067.7	1809.7	1680.7	1598.6
140°	2174.3	2201.3	2309.2	2417.1	2309.2	2201.3	2174.3	2007.1	1784.2	1672.7	1600.2
142.5°	2113.3	2136.5	2229.3	2322.2	2229.3	2136.5	2113.3	1966.5	1770.7	1672.7	1605.9
145°	2021.8	2039.3	2109.7	2179.9	2109.7	2039.3	2021.8	1901.7	1741.5	1661.5	1606.0
147.5°	1945.0	1959.6	2017.8	2076.0	2017.8	1959.6	1945.0	1850.5	1724.5	1661.5	1617.1
150°	1900.9	1912.7	1959.9	2007.1	1959.9	1912.7	1900.9	1821.1	1714.7	1661.5	1622.9
152.5°	1865.9	1874.8	1910.4	1946.1	1910.4	1874.8	1865.9	1797.7	1707.0	1661.5	1626.6
155°	1824.1	1830.0	1853.6	1877.2	1853.6	1830.0	1824.1	1769.9	1697.6	1661.5	1634.9
157.5°	1788.0	1792.1	1808.7	1825.3	1808.7	1792.1	1788.0	1745.8	1689.6	1661.5	1643.2
160°	1769.9	1772.2	1781.8	1791.4	1781.8	1772.2	1769.9	1733.7	1685.6	1661.5	1646.9
162.5°	1752.9	1755.2	1764.2	1773.3	1764.2	1755.2	1752.9	1722.4	1681.8	1661.5	1650.9
165°	1727.0	1729.3	1738.9	1748.4	1738.9	1729.3	1727.0	1705.1	1676.1	1661.5	1656.7
167.5°	1715.7	1716.7	1720.7	1724.7	1720.7	1716.7	1715.7	1701.4	1682.3	1672.7	1668.8
170°	1715.7	1715.7	1715.7	1715.7	1715.7	1715.7	1715.7	1701.4	1682.3	1672.7	1672.5
172.5°	1706.7	1705.8	1702.2	1698.7	1702.2	1705.8	1706.7	1695.4	1680.3	1672.7	1672.7
175°	1694.2	1694.2	1694.2	1694.2	1694.2	1694.2	1694.2	1687.0	1677.5	1672.7	1675.0
177.5°	1691.9	1690.9	1686.9	1683.0	1686.9	1690.9	1691.9	1686.3	1678.8	1675.0	1676.8
180°	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0



TEST NUMBER: P935255

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3792.3	3792.3	3792.3	3792.3	3792.3
2.5°	3745.6	3763.6	3774.3	3788.7	3824.6
5°	3602.2	3670.3	3691.9	3745.6	3810.3
7.5°	3286.5	3494.6	3551.9	3681.1	3781.5
10°	2981.4	3189.5	3290.0	3594.9	3745.6
12.5°	2827.2	2949.2	3017.4	3444.3	3695.4
15°	2730.3	2816.4	2866.6	3243.4	3638.0
17.5°	2654.9	2715.9	2751.9	3046.0	3559.1
20°	2608.3	2637.0	2669.3	2902.5	3469.4
22.5°	2576.0	2558.1	2583.2	2802.1	3347.4
25°	2554.5	2486.4	2515.1	2723.2	3203.9
27.5°	2572.5	2421.8	2432.5	2651.4	3053.2
30°	2576.0	2342.8	2346.4	2576.0	2884.6
32.5°	2550.9	2260.3	2263.9	2482.8	2694.4
35°	2489.9	2163.4	2159.9	2375.1	2436.2
37.5°	2407.4	2059.4	2059.4	2256.7	2152.7
40°	2307.0	1955.3	1966.1	2102.4	1901.6
42.5°	2185.0	1844.1	1858.5	1897.9	1715.0
45°	2052.2	1736.5	1747.2	1603.8	1571.5
47.5°	1905.1	1625.3	1628.8	1331.0	1524.8
50°	1729.3	1510.4	1496.1	1141.0	1521.2
52.5°	1575.1	1384.9	1341.8	1033.2	1381.3
55°	1424.4	1252.1	1158.9	950.8	1280.8
57.5°	1291.6	1079.9	990.2	853.9	1259.4
60°	1169.6	911.3	843.2	749.8	1155.3
62.5°	1069.2	785.8	771.4	678.1	1047.6
65°	961.6	699.6	696.1	617.1	889.8
67.5°	857.5	642.2	638.6	559.7	678.1
70°	746.3	581.2	574.1	498.7	502.3
72.5°	631.4	513.0	505.9	448.5	416.2
75°	516.7	434.1	430.5	391.0	337.3
77.5°	405.4	344.4	351.6	315.7	247.6
80°	290.6	251.2	258.3	226.0	186.6
82.5°	193.7	165.0	172.3	143.5	125.5
85°	107.6	93.3	96.9	75.3	57.4
87.5°	50.2	43.1	43.1	28.7	17.9
90°	49.7	31.6	29.3	20.4	11.3
92.5°	306.5	218.0	198.8	121.9	45.2
95°	754.1	424.7	389.6	249.0	108.4
97.5°	1015.8	466.5	435.5	311.5	187.5
100°	1111.0	501.5	473.3	360.9	248.5
102.5°	1154.7	536.5	510.2	405.3	300.4
105°	1187.1	588.4	566.3	477.4	388.6
107.5°	1193.1	665.3	644.6	561.7	478.9
110°	1184.0	708.2	689.5	614.7	539.9



TEST NUMBER: P935255

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1184.5	760.2	742.3	671.1	599.8
115°	1195.4	838.1	821.6	755.9	690.1
117.5°	1217.6	913.8	898.8	839.1	779.3
120°	1235.7	957.8	943.8	887.5	831.3
122.5°	1261.7	1009.8	995.6	938.9	882.2
125°	1296.6	1076.4	1063.5	1011.8	960.1
127.5°	1331.7	1140.8	1127.7	1075.5	1023.3
130°	1357.3	1183.7	1169.6	1113.4	1057.2
132.5°	1377.9	1218.7	1204.7	1148.5	1092.3
135°	1400.6	1259.4	1246.6	1195.4	1144.2
137.5°	1434.4	1311.3	1298.6	1247.9	1197.3
140°	1455.1	1346.3	1334.7	1288.0	1241.3
142.5°	1472.4	1372.3	1361.5	1318.4	1275.2
145°	1495.1	1411.9	1402.5	1364.8	1327.1
147.5°	1528.2	1461.6	1452.4	1415.8	1379.1
150°	1545.6	1487.5	1479.2	1446.1	1413.0
152.5°	1556.8	1504.5	1498.2	1473.1	1448.0
155°	1581.7	1541.8	1537.1	1518.5	1499.9
157.5°	1606.6	1579.1	1574.5	1556.4	1538.3
160°	1617.8	1596.0	1592.4	1578.4	1564.3
162.5°	1629.8	1614.0	1611.4	1600.8	1590.3
165°	1647.1	1640.0	1637.6	1628.0	1618.5
167.5°	1660.7	1654.7	1653.5	1649.0	1644.5
170°	1672.0	1671.7	1670.6	1666.0	1661.5
172.5°	1672.7	1672.7	1672.5	1671.5	1670.5
175°	1679.5	1683.0	1683.0	1683.0	1683.0
177.5°	1680.3	1683.0	1683.0	1683.0	1683.0
180°	1683.0	1683.0	1683.0	1683.0	1683.0



TEST NUMBER: P935255
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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	13.12	13.96	14.10	14.95	16.26	15.97	16.81	16.95	17.80	19.11
	3H	13.60	14.35	14.59	15.35	16.68	17.32	18.08	18.31	19.08	20.41
	4H	13.79	14.50	14.79	15.50	16.84	17.77	18.48	18.78	19.49	20.83
	6H	13.91	14.56	14.92	15.57	16.92	18.06	18.72	19.08	19.73	21.08
	8H	13.91	14.53	14.93	15.56	16.90	18.14	18.76	19.16	19.79	21.13
	12H	13.88	14.47	14.90	15.49	16.86	18.18	18.77	19.20	19.79	21.16
4H	2H	14.16	14.87	15.17	15.87	17.21	16.38	17.09	17.39	18.10	19.43
	3H	15.18	15.78	16.20	16.81	18.16	17.89	18.48	18.91	19.52	20.87
	4H	15.46	16.00	16.48	17.03	18.40	18.42	18.96	19.45	19.99	21.36
	6H	15.58	16.05	16.62	17.10	18.47	18.79	19.26	19.83	20.31	21.68
	8H	15.59	16.02	16.62	17.06	18.45	18.90	19.34	19.94	20.38	21.76
	12H	15.55	15.95	16.61	17.00	18.39	18.96	19.35	20.02	20.41	21.80
8H	4H	15.91	16.35	16.95	17.39	18.78	18.54	18.98	19.58	20.02	21.41
	6H	16.17	16.53	17.24	17.62	19.00	18.98	19.34	20.05	20.43	21.81
	8H	16.22	16.53	17.28	17.60	19.00	19.14	19.46	20.21	20.52	21.93
	12H	16.20	16.48	17.27	17.54	18.98	19.24	19.52	20.31	20.58	22.03
12H	4H	15.92	16.31	16.97	17.37	18.76	18.51	18.90	19.56	19.96	21.35
	6H	16.24	16.55	17.30	17.62	19.02	18.98	19.30	20.05	20.37	21.77
	8H	16.30	16.58	17.37	17.64	19.09	19.14	19.42	20.22	20.49	21.93