

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: P936066

Luminaire Tested: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-8-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936066
REPORT IS A COMBINATION OF REPORTS P933780 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-8-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

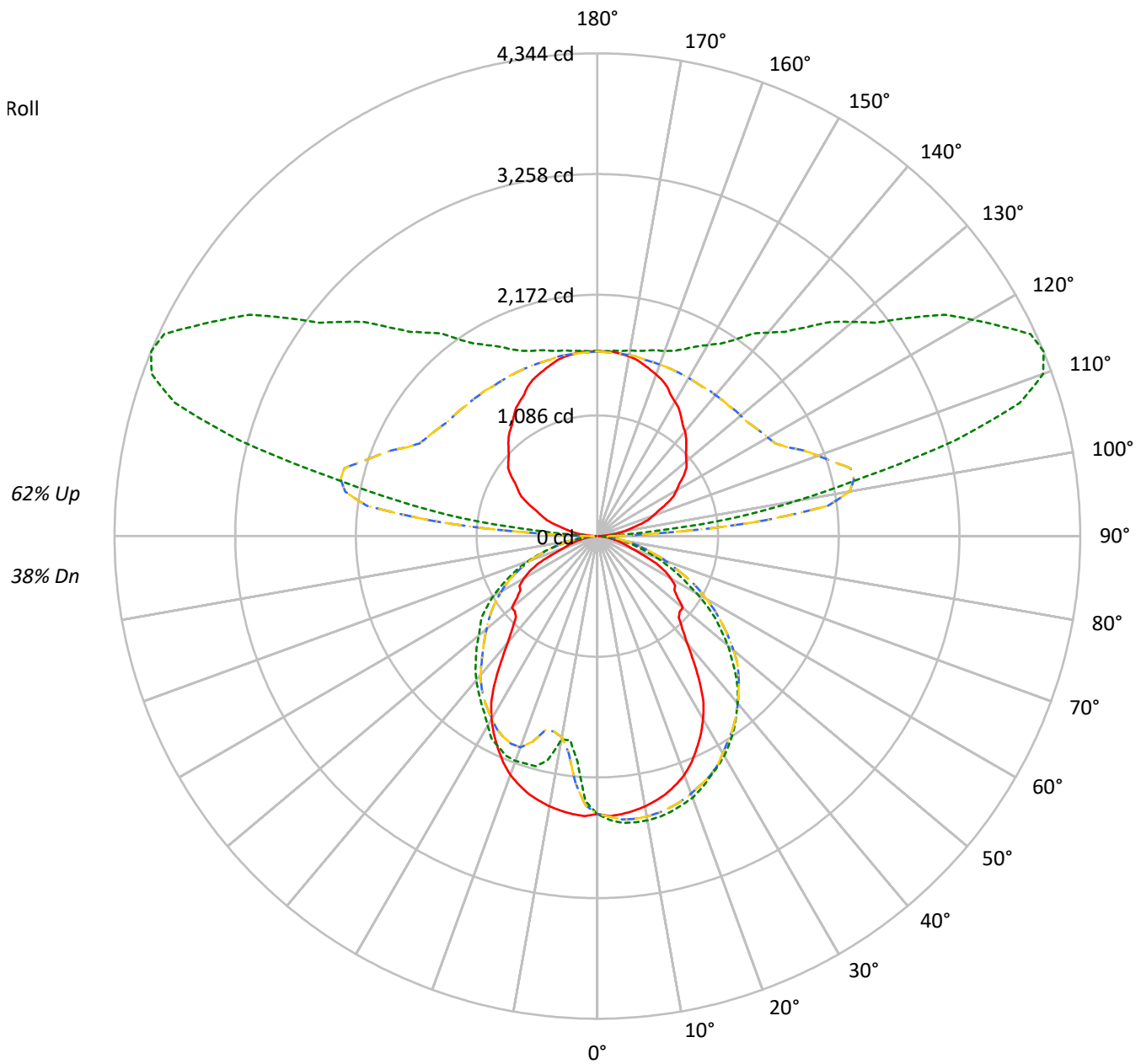
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17277.7 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 144.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-8-3500K

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	0
RCR																		
0	104	104	104	104	94	94	94	94	76	76	76	60	60	60	45	45	45	38
1	95	91	87	84	86	83	79	76	67	65	63	53	51	50	40	39	38	32
2	87	79	73	68	78	72	67	63	59	55	52	46	44	42	35	33	32	27
3	79	70	62	57	71	63	57	52	52	47	44	41	38	35	31	29	27	23
4	72	62	54	48	65	56	49	44	46	41	37	36	33	30	28	25	23	19
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17
6	61	49	41	35	55	45	38	33	37	32	28	29	26	23	22	20	18	15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	20	18	16	13
8	52	40	32	27	47	37	30	25	30	25	21	24	21	18	19	16	14	12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	10
10	45	33	26	21	41	31	24	20	25	21	17	21	17	14	16	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11602	11602	11602	11602
5°	11689	11712	11689	9209
10°	11611	11537	11611	8248
15°	11485	11287	11485	9425
20°	11245	10991	11245	9445
25°	10753	10559	10753	9244
30°	10117	10200	10117	8805
35°	9020	9747	9020	8322
40°	7516	9213	7516	7957
45°	6715	8588	6715	7538
50°	7134	7842	7134	7116
55°	6712	7039	6712	6873
60°	6919	5979	6919	6295
65°	6273	4942	6273	5524
70°	4344	3939	4344	4631
75°	3809	2912	3809	3487
80°	3069	1925	3069	2096
85°	1765	1019	1765	866

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10292 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.7	1.3
10°-20°	640.9	3.7
20°-30°	990.7	5.7
30°-40°	1182.7	6.8
40°-50°	1189.7	6.9
50°-60°	1035.1	6.0
60°-70°	733.9	4.2
70°-80°	388.3	2.2
80°-90°	103.1	0.6
90°-100°	811.2	4.7
100°-110°	2132.6	12.3
110°-120°	2211.2	12.8
120°-130°	1773.7	10.3
130°-140°	1391.7	8.1
140°-150°	1068.2	6.2
150°-160°	769.3	4.5
160°-170°	470.7	2.7
170°-180°	159.0	0.9
0°-30°	1857.4	10.8
0°-40°	3040.1	17.6
0°-60°	5264.9	30.5
0°-90°	6490.2	37.6
90°-120°	5155.0	29.8
90°-150°	9388.5	54.3
90°-180°	10788.0	62.4
0°-180°	17277.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2501	2501	2501	2501	2501	
5°	2512	2591	2512	2037	2512	238
15°	2399	2567	2399	2144	2399	675
25°	2113	2394	2113	2096	2113	970
35°	1606	2136	1606	1824	1606	994
45°	1036	1760	1036	1545	1036	830
55°	845	1299	845	1268	845	776
65°	587	783	587	875	587	561
75°	222	372	222	445	222	234
85°	38	95	38	80	38	51
90°	11	42	11	42	11	11
95°	107	490	107	490	107	119
105°	384	3339	384	3339	384	407
115°	682	4300	682	4300	682	674
125°	949	3424	949	3424	949	843
135°	1131	2657	1131	2657	1131	875
145°	1312	2156	1312	2156	1312	822
155°	1483	1856	1483	1856	1483	681
165°	1600	1729	1600	1729	1600	452
175°	1664	1675	1664	1675	1664	158
180°	1664	1664	1664	1664	1664	



TEST NUMBER: P936066

CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7
2.5°	2522.0	2522.0	2536.2	2540.9	2540.9	2533.8	2526.7	2533.8	2555.1	2562.2	2559.9
5°	2512.5	2531.4	2557.5	2562.2	2566.9	2564.5	2559.9	2564.5	2588.3	2593.0	2595.3
7.5°	2493.6	2529.1	2562.2	2569.3	2576.4	2569.3	2566.9	2571.7	2595.3	2600.1	2600.1
10°	2469.9	2519.6	2557.5	2562.2	2569.3	2562.2	2562.2	2571.7	2595.3	2600.1	2602.4
12.5°	2436.8	2505.4	2540.9	2545.6	2555.1	2552.7	2550.4	2559.9	2583.5	2588.3	2588.3
15°	2399.0	2479.4	2512.5	2517.3	2533.8	2529.1	2529.1	2538.6	2564.5	2571.7	2569.3
17.5°	2346.9	2446.3	2484.1	2491.2	2503.0	2500.7	2503.0	2512.5	2536.2	2540.9	2543.3
20°	2287.8	2401.3	2446.3	2453.3	2465.2	2465.2	2465.2	2477.1	2500.7	2510.2	2510.2
22.5°	2207.3	2354.0	2401.3	2406.1	2420.2	2420.2	2425.0	2441.5	2462.8	2465.2	2465.2
25°	2112.7	2301.9	2342.1	2356.4	2370.6	2377.7	2384.8	2394.2	2401.3	2399.0	2401.3
27.5°	2013.3	2235.7	2287.8	2297.2	2316.2	2323.2	2332.7	2335.1	2337.5	2344.6	2339.8
30°	1902.1	2143.5	2221.5	2231.0	2261.7	2266.5	2257.0	2261.7	2273.6	2278.3	2283.0
32.5°	1776.7	2006.2	2153.0	2174.2	2202.6	2188.4	2186.0	2193.2	2212.0	2212.0	2216.8
35°	1606.4	1899.8	2089.0	2107.9	2129.2	2112.7	2122.2	2124.5	2136.4	2143.5	2141.0
37.5°	1419.5	1807.5	2022.8	2037.0	2053.6	2032.3	2046.4	2053.6	2063.0	2058.3	2058.3
40°	1253.9	1663.2	1944.7	1954.2	1968.3	1951.8	1966.0	1970.8	1975.5	1970.8	1968.3
42.5°	1130.9	1504.7	1861.9	1873.7	1864.3	1876.1	1880.9	1890.3	1883.2	1873.7	1873.7
45°	1036.2	1462.0	1772.0	1786.2	1772.0	1791.0	1798.1	1798.1	1776.7	1772.0	1769.7
47.5°	1005.5	1376.9	1682.1	1682.1	1675.0	1698.7	1710.5	1693.9	1672.6	1665.5	1665.5
50°	1003.1	1282.3	1559.1	1549.6	1582.7	1611.1	1599.3	1582.7	1566.2	1540.1	1540.1
52.5°	910.9	1166.3	1400.5	1436.1	1488.1	1504.7	1485.8	1469.2	1440.8	1429.0	1419.5
55°	844.6	1045.7	1256.3	1327.2	1381.6	1403.0	1367.4	1350.9	1308.3	1301.2	1296.5
57.5°	830.4	870.6	1123.8	1213.7	1279.9	1277.5	1256.3	1225.5	1190.0	1182.9	1180.6
60°	761.8	629.3	981.8	1088.3	1156.9	1149.8	1130.9	1102.5	1069.4	1064.6	1059.9
62.5°	690.8	456.6	820.9	941.6	1038.6	1036.2	1019.7	977.1	953.4	941.6	932.1
65°	586.7	383.3	584.4	783.1	922.7	927.4	891.9	861.2	835.1	820.9	818.6
67.5°	447.1	312.3	395.1	653.0	811.5	806.8	761.8	747.6	714.5	707.4	693.2
70°	331.2	208.2	274.4	529.9	702.6	690.8	655.4	638.8	608.0	591.4	582.0
72.5°	274.4	168.0	201.1	411.7	591.4	577.3	546.5	527.6	501.6	487.3	477.9
75°	222.4	177.5	153.8	305.2	480.2	470.8	442.4	423.5	402.2	383.3	385.6
77.5°	163.2	165.6	123.0	224.7	380.9	366.7	350.2	326.5	317.0	298.1	298.1
80°	123.0	130.1	92.3	153.8	274.4	274.4	260.3	243.7	227.1	217.7	217.7
82.5°	82.8	82.8	68.6	97.0	186.9	179.8	170.4	165.6	156.1	151.4	151.4
85°	37.9	47.3	42.6	59.2	101.7	106.5	106.5	101.7	99.4	94.6	97.0
87.5°	11.8	21.3	26.1	33.1	52.0	54.4	56.8	56.8	56.8	59.2	59.2
90°	11.2	20.1	29.0	31.2	49.2	73.0	84.9	75.5	56.6	42.4	42.4
92.5°	44.7	120.6	196.6	215.6	303.1	419.7	478.0	418.9	300.8	212.2	203.8
95°	107.3	246.2	385.2	419.9	745.6	1179.9	1397.1	1246.7	946.0	720.4	694.8
97.5°	185.4	308.0	430.6	461.3	1004.5	1728.7	2090.7	1995.7	1805.6	1663.0	1614.3
100°	245.7	356.9	468.1	495.9	1098.6	1902.2	2304.0	2311.0	2324.9	2335.2	2277.3
102.5°	297.1	400.8	504.5	530.5	1141.8	1956.8	2364.3	2485.5	2727.7	2909.3	2859.7
105°	384.2	472.0	559.9	581.9	1173.8	1963.0	2357.6	2629.2	3172.2	3579.5	3552.8
107.5°	473.5	555.5	637.3	657.8	1179.8	1875.7	2223.6	2602.3	3359.8	3927.9	3934.4
110°	533.9	607.8	681.8	700.2	1170.8	1798.2	2112.0	2535.3	3382.1	4017.3	4045.0



TEST NUMBER: P936066

CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	593.1	663.5	734.0	751.6	1171.2	1730.5	2010.2	2443.6	3310.2	3960.2	4002.9
115°	682.4	747.4	812.4	828.7	1182.0	1653.0	1888.6	2306.0	3140.8	3767.0	3826.2
117.5°	770.6	829.7	888.8	903.5	1203.9	1604.5	1804.8	2181.5	2935.0	3500.1	3565.8
120°	822.0	877.6	933.2	947.1	1221.8	1588.1	1771.3	2115.5	2804.0	3320.4	3384.1
122.5°	872.2	928.3	984.4	998.5	1247.5	1579.6	1745.6	2055.5	2675.6	3140.5	3203.4
125°	949.3	1000.4	1051.5	1064.3	1282.1	1572.4	1717.7	1981.0	2507.6	2902.6	2960.5
127.5°	1011.9	1063.5	1115.1	1128.0	1316.7	1568.4	1694.2	1920.3	2372.5	2711.6	2760.5
130°	1045.4	1101.0	1156.6	1170.4	1342.1	1570.8	1685.2	1886.5	2289.1	2591.0	2636.2
132.5°	1080.0	1135.6	1191.2	1205.1	1362.6	1572.5	1677.5	1857.6	2218.0	2488.3	2528.7
135°	1131.3	1182.0	1232.7	1245.3	1384.9	1571.0	1664.0	1815.0	2116.8	2343.1	2377.9
137.5°	1183.9	1234.0	1284.1	1296.6	1418.4	1580.7	1661.9	1789.5	2044.5	2235.9	2264.4
140°	1227.4	1273.6	1319.7	1331.2	1438.9	1582.3	1654.0	1764.2	1984.6	2149.9	2176.6
142.5°	1260.9	1303.6	1346.3	1356.9	1456.0	1588.0	1654.0	1750.8	1944.3	2089.6	2112.5
145°	1312.3	1349.5	1386.7	1396.1	1478.3	1588.0	1642.8	1722.0	1880.3	1999.1	2016.5
147.5°	1363.6	1399.9	1436.2	1445.2	1511.1	1598.9	1642.8	1705.1	1829.7	1923.1	1937.5
150°	1397.1	1429.9	1462.7	1470.8	1528.1	1604.6	1642.8	1695.5	1800.7	1879.6	1891.3
152.5°	1431.8	1456.6	1481.5	1487.7	1539.4	1608.3	1642.8	1687.8	1777.6	1845.0	1853.7
155°	1483.2	1501.5	1519.9	1524.4	1563.9	1616.5	1642.8	1678.5	1750.1	1803.7	1809.5
157.5°	1521.1	1539.0	1556.9	1561.3	1588.5	1624.7	1642.8	1670.7	1726.3	1768.0	1772.1
160°	1546.8	1560.7	1574.6	1578.1	1599.7	1628.4	1642.8	1666.6	1714.3	1750.1	1752.4
162.5°	1572.5	1582.9	1593.4	1596.0	1611.6	1632.4	1642.8	1663.0	1703.2	1733.3	1735.6
165°	1600.4	1609.8	1619.3	1621.6	1628.7	1638.1	1642.8	1657.2	1686.1	1707.6	1710.0
167.5°	1626.1	1630.5	1635.0	1636.2	1642.1	1650.1	1654.0	1663.4	1682.3	1696.4	1697.4
170°	1642.8	1647.3	1651.8	1652.9	1653.3	1653.7	1654.0	1663.4	1682.3	1696.4	1696.4
172.5°	1651.8	1652.7	1653.7	1654.0	1654.0	1654.0	1654.0	1661.4	1676.3	1687.5	1686.6
175°	1664.0	1664.0	1664.0	1664.0	1660.7	1656.2	1654.0	1658.7	1668.1	1675.2	1675.2
177.5°	1664.0	1664.0	1664.0	1664.0	1661.4	1657.9	1656.2	1660.0	1667.4	1673.0	1672.0
180°	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0



TEST NUMBER: P936066

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7
2.5°	2564.5	2557.5	2564.5	2559.9	2562.2	2555.1	2533.8	2526.7	2533.8	2540.9	2540.9
5°	2595.3	2590.6	2595.3	2595.3	2593.0	2588.3	2564.5	2559.9	2564.5	2566.9	2562.2
7.5°	2604.8	2597.7	2604.8	2600.1	2600.1	2595.3	2571.7	2566.9	2569.3	2576.4	2569.3
10°	2604.8	2597.7	2604.8	2602.4	2600.1	2595.3	2571.7	2562.2	2562.2	2569.3	2562.2
12.5°	2593.0	2588.3	2593.0	2588.3	2588.3	2583.5	2559.9	2550.4	2552.7	2555.1	2545.6
15°	2574.0	2566.9	2574.0	2569.3	2571.7	2564.5	2538.6	2529.1	2529.1	2533.8	2517.3
17.5°	2545.6	2536.2	2545.6	2543.3	2540.9	2536.2	2512.5	2503.0	2500.7	2503.0	2491.2
20°	2512.5	2505.4	2512.5	2510.2	2510.2	2500.7	2477.1	2465.2	2465.2	2465.2	2453.3
22.5°	2460.5	2453.3	2460.5	2465.2	2465.2	2462.8	2441.5	2425.0	2420.2	2420.2	2406.1
25°	2401.3	2394.2	2401.3	2401.3	2399.0	2401.3	2394.2	2384.8	2377.7	2370.6	2356.4
27.5°	2344.6	2339.8	2344.6	2339.8	2344.6	2337.5	2335.1	2332.7	2323.2	2316.2	2297.2
30°	2287.8	2283.0	2287.8	2283.0	2278.3	2273.6	2261.7	2257.0	2266.5	2261.7	2231.0
32.5°	2216.8	2212.0	2216.8	2216.8	2212.0	2212.0	2193.2	2186.0	2188.4	2202.6	2174.2
35°	2143.5	2136.4	2143.5	2141.0	2143.5	2136.4	2124.5	2122.2	2112.7	2129.2	2107.9
37.5°	2058.3	2051.2	2058.3	2058.3	2058.3	2063.0	2053.6	2046.4	2032.3	2053.6	2037.0
40°	1970.8	1961.3	1970.8	1968.3	1970.8	1975.5	1970.8	1966.0	1951.8	1968.3	1954.2
42.5°	1871.4	1869.1	1871.4	1873.7	1873.7	1883.2	1890.3	1880.9	1876.1	1864.3	1873.7
45°	1764.9	1760.2	1764.9	1769.7	1772.0	1776.7	1798.1	1798.1	1791.0	1772.0	1786.2
47.5°	1651.3	1639.5	1651.3	1665.5	1665.5	1672.6	1693.9	1710.5	1698.7	1675.0	1682.1
50°	1530.7	1533.0	1530.7	1540.1	1540.1	1566.2	1582.7	1599.3	1611.1	1582.7	1549.6
52.5°	1412.4	1410.0	1412.4	1419.5	1429.0	1440.8	1469.2	1485.8	1504.7	1488.1	1436.1
55°	1294.1	1298.8	1294.1	1296.5	1301.2	1308.3	1350.9	1367.4	1403.0	1381.6	1327.2
57.5°	1175.8	1168.7	1175.8	1180.6	1182.9	1190.0	1225.5	1256.3	1277.5	1279.9	1213.7
60°	1038.6	1029.2	1038.6	1059.9	1064.6	1069.4	1102.5	1130.9	1149.8	1156.9	1088.3
62.5°	918.0	901.4	918.0	932.1	941.6	953.4	977.1	1019.7	1036.2	1038.6	941.6
65°	790.2	783.1	790.2	818.6	820.9	835.1	861.2	891.9	927.4	922.7	783.1
67.5°	674.3	674.3	674.3	693.2	707.4	714.5	747.6	761.8	806.8	811.5	653.0
70°	567.8	565.5	567.8	582.0	591.4	608.0	638.8	655.4	690.8	702.6	529.9
72.5°	466.1	463.7	466.1	477.9	487.3	501.6	527.6	546.5	577.3	591.4	411.7
75°	376.2	371.5	376.2	385.6	383.3	402.2	423.5	442.4	470.8	480.2	305.2
77.5°	288.6	288.6	288.6	298.1	298.1	317.0	326.5	350.2	366.7	380.9	224.7
80°	215.3	212.9	215.3	217.7	217.7	227.1	243.7	260.3	274.4	274.4	153.8
82.5°	151.4	146.7	151.4	151.4	151.4	156.1	165.6	170.4	179.8	186.9	97.0
85°	94.6	94.6	94.6	97.0	94.6	99.4	101.7	106.5	106.5	101.7	59.2
87.5°	61.5	59.2	61.5	59.2	59.2	56.8	56.8	56.8	54.4	52.0	33.1
90°	42.4	42.4	42.4	42.4	42.4	56.6	75.5	84.9	73.0	49.2	31.2
92.5°	170.0	136.3	170.0	203.8	212.2	300.8	418.9	478.0	419.7	303.1	215.6
95°	592.5	490.3	592.5	694.8	720.4	946.0	1246.7	1397.1	1179.9	745.6	419.9
97.5°	1419.7	1225.1	1419.7	1614.3	1663.0	1805.6	1995.7	2090.7	1728.7	1004.5	461.3
100°	2045.5	1813.7	2045.5	2277.3	2335.2	2324.9	2311.0	2304.0	1902.2	1098.6	495.9
102.5°	2661.1	2462.6	2661.1	2859.7	2909.3	2727.7	2485.5	2364.3	1956.8	1141.8	530.5
105°	3446.1	3339.3	3446.1	3552.8	3579.5	3172.2	2629.2	2357.6	1963.0	1173.8	581.9
107.5°	3960.1	3985.9	3960.1	3934.4	3927.9	3359.8	2602.3	2223.6	1875.7	1179.8	657.8
110°	4156.2	4267.4	4156.2	4045.0	4017.3	3382.1	2535.3	2112.0	1798.2	1170.8	700.2



TEST NUMBER: P936066

CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4173.7	4344.4	4173.7	4002.9	3960.2	3310.2	2443.6	2010.2	1730.5	1171.2	751.6
115°	4063.0	4299.7	4063.0	3826.2	3767.0	3140.8	2306.0	1888.6	1653.0	1182.0	828.7
117.5°	3828.4	4090.9	3828.4	3565.8	3500.1	2935.0	2181.5	1804.8	1604.5	1203.9	903.5
120°	3639.3	3894.3	3639.3	3384.1	3320.4	2804.0	2115.5	1771.3	1588.1	1221.8	947.1
122.5°	3455.1	3706.8	3455.1	3203.4	3140.5	2675.6	2055.5	1745.6	1579.6	1247.5	998.5
125°	3192.4	3424.2	3192.4	2960.5	2902.6	2507.6	1981.0	1717.7	1572.4	1282.1	1064.3
127.5°	2956.1	3151.7	2956.1	2760.5	2711.6	2372.5	1920.3	1694.2	1568.4	1316.7	1128.0
130°	2816.9	2997.6	2816.9	2636.2	2591.0	2289.1	1886.5	1685.2	1570.8	1342.1	1170.4
132.5°	2690.5	2852.4	2690.5	2528.7	2488.3	2218.0	1857.6	1677.5	1572.5	1362.6	1205.1
135°	2517.4	2656.9	2517.4	2377.9	2343.1	2116.8	1815.0	1664.0	1571.0	1384.9	1245.3
137.5°	2378.6	2492.7	2378.6	2264.4	2235.9	2044.5	1789.5	1661.9	1580.7	1418.4	1296.6
140°	2283.3	2390.0	2283.3	2176.6	2149.9	1984.6	1764.2	1654.0	1582.3	1438.9	1331.2
142.5°	2204.3	2296.2	2204.3	2112.5	2089.6	1944.3	1750.8	1654.0	1588.0	1456.0	1356.9
145°	2086.0	2155.5	2086.0	2016.5	1999.1	1880.3	1722.0	1642.8	1588.0	1478.3	1396.1
147.5°	1995.1	2052.7	1995.1	1937.5	1923.1	1829.7	1705.1	1642.8	1598.9	1511.1	1445.2
150°	1938.0	1984.6	1938.0	1891.3	1879.6	1800.7	1695.5	1642.8	1604.6	1528.1	1470.8
152.5°	1889.0	1924.3	1889.0	1853.7	1845.0	1777.6	1687.8	1642.8	1608.3	1539.4	1487.7
155°	1832.9	1856.2	1832.9	1809.5	1803.7	1750.1	1678.5	1642.8	1616.5	1563.9	1524.4
157.5°	1788.4	1804.8	1788.4	1772.1	1768.0	1726.3	1670.7	1642.8	1624.7	1588.5	1561.3
160°	1761.9	1771.3	1761.9	1752.4	1750.1	1714.3	1666.6	1642.8	1628.4	1599.7	1578.1
162.5°	1744.4	1753.4	1744.4	1735.6	1733.3	1703.2	1663.0	1642.8	1632.4	1611.6	1596.0
165°	1719.4	1728.8	1719.4	1710.0	1707.6	1686.1	1657.2	1642.8	1638.1	1628.7	1621.6
167.5°	1701.5	1705.4	1701.5	1697.4	1696.4	1682.3	1663.4	1654.0	1650.1	1642.1	1636.2
170°	1696.4	1696.4	1696.4	1696.4	1696.4	1682.3	1663.4	1654.0	1653.7	1653.3	1652.9
172.5°	1683.2	1679.7	1683.2	1686.6	1687.5	1676.3	1661.4	1654.0	1654.0	1654.0	1654.0
175°	1675.2	1675.2	1675.2	1675.2	1675.2	1668.1	1658.7	1654.0	1656.2	1660.7	1664.0
177.5°	1668.0	1664.0	1668.0	1672.0	1673.0	1667.4	1660.0	1656.2	1657.9	1661.4	1664.0
180°	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0



TEST NUMBER: P936066

CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7
2.5°	2536.2	2522.0	2522.0	2498.4	2488.9	2481.8	2469.9	2434.4	2425.0	2415.6	2429.7
5°	2557.5	2531.4	2512.5	2469.9	2434.4	2420.2	2375.3	2290.1	2233.4	2190.7	2167.1
7.5°	2562.2	2529.1	2493.6	2427.4	2342.1	2304.4	2167.1	2011.0	1968.3	1930.6	1906.8
10°	2557.5	2519.6	2469.9	2370.6	2169.4	2103.3	1966.0	1864.3	1838.3	1831.2	1838.3
12.5°	2540.9	2505.4	2436.8	2271.2	1989.7	1944.7	1864.3	1805.1	1800.4	1812.2	1876.1
15°	2512.5	2479.4	2399.0	2138.7	1890.3	1857.1	1800.4	1779.1	1805.1	1887.9	2079.5
17.5°	2484.1	2446.3	2346.9	2008.6	1814.6	1791.0	1750.7	1793.3	1940.0	2051.2	2115.1
20°	2446.3	2401.3	2287.8	1914.0	1760.2	1738.9	1720.0	1911.6	2022.8	2063.0	2098.5
22.5°	2401.3	2354.0	2207.3	1847.7	1703.4	1686.9	1698.7	1977.8	2022.8	2051.2	2082.0
25°	2342.1	2301.9	2112.7	1795.6	1658.5	1639.5	1684.4	1970.8	1996.7	2003.9	2065.4
27.5°	2287.8	2235.7	2013.3	1748.4	1604.0	1597.0	1696.3	1940.0	1958.9	1966.0	2032.3
30°	2221.5	2143.5	1902.1	1698.7	1547.3	1544.9	1698.7	1902.1	1897.4	1916.3	1982.6
32.5°	2153.0	2006.2	1776.7	1637.2	1492.8	1490.5	1682.1	1845.3	1840.6	1866.6	1916.3
35°	2089.0	1899.8	1606.4	1566.2	1424.3	1426.6	1641.9	1779.1	1781.5	1805.1	1835.9
37.5°	2022.8	1807.5	1419.5	1488.1	1358.0	1358.0	1587.5	1717.6	1712.9	1720.0	1762.5
40°	1944.7	1663.2	1253.9	1386.4	1296.5	1289.3	1521.2	1651.3	1634.8	1632.4	1691.6
42.5°	1861.9	1504.7	1130.9	1251.6	1225.5	1216.0	1440.8	1570.9	1540.1	1547.3	1622.9
45°	1772.0	1462.0	1036.2	1057.5	1152.2	1145.1	1353.3	1478.6	1457.4	1476.3	1554.4
47.5°	1682.1	1376.9	1005.5	877.8	1074.1	1071.7	1256.3	1388.7	1376.9	1395.9	1478.6
50°	1559.1	1282.3	1003.1	752.3	986.5	996.0	1140.4	1301.2	1301.2	1317.8	1405.3
52.5°	1400.5	1166.3	910.9	681.3	884.8	913.2	1038.6	1225.5	1230.2	1246.8	1324.9
55°	1256.3	1045.7	844.6	627.0	764.1	825.7	939.3	1147.4	1156.9	1173.5	1244.4
57.5°	1123.8	870.6	830.4	563.1	653.0	712.1	851.7	1071.7	1076.4	1090.7	1159.2
60°	981.8	629.3	761.8	494.5	556.0	600.9	771.2	981.8	998.4	1007.9	1067.0
62.5°	820.9	456.6	690.8	447.1	508.6	518.1	705.1	896.7	918.0	925.0	960.5
65°	584.4	383.3	586.7	406.9	458.9	461.4	634.1	809.1	828.1	839.9	865.9
67.5°	395.1	312.3	447.1	369.0	421.2	423.5	565.5	707.4	733.4	742.8	759.4
70°	274.4	208.2	331.2	328.8	378.5	383.3	492.1	615.1	638.8	645.9	655.4
72.5°	201.1	168.0	274.4	295.7	333.6	338.3	416.4	511.0	534.7	541.8	546.5
75°	153.8	177.5	222.4	257.8	283.9	286.2	340.7	416.4	433.0	437.7	440.0
77.5°	123.0	165.6	163.2	208.2	231.9	227.1	267.3	321.8	335.9	335.9	335.9
80°	92.3	130.1	123.0	149.1	170.4	165.6	191.6	229.5	234.2	239.0	236.5
82.5°	68.6	82.8	82.8	94.6	113.5	108.9	127.8	149.1	149.1	149.1	153.8
85°	42.6	47.3	37.9	49.7	63.8	61.5	71.0	80.4	82.8	82.8	78.1
87.5°	26.1	21.3	11.8	18.9	28.4	28.4	33.1	35.5	33.1	33.1	33.1
90°	29.0	20.1	11.2	20.1	29.0	31.2	49.2	73.0	84.9	75.5	56.6
92.5°	196.6	120.6	44.7	120.6	196.6	215.6	303.1	419.7	478.0	418.9	300.8
95°	385.2	246.2	107.3	246.2	385.2	419.9	745.6	1179.9	1397.1	1246.7	946.0
97.5°	430.6	308.0	185.4	308.0	430.6	461.3	1004.5	1728.7	2090.7	1995.7	1805.6
100°	468.1	356.9	245.7	356.9	468.1	495.9	1098.6	1902.2	2304.0	2311.0	2324.9
102.5°	504.5	400.8	297.1	400.8	504.5	530.5	1141.8	1956.8	2364.3	2485.5	2727.7
105°	559.9	472.0	384.2	472.0	559.9	581.9	1173.8	1963.0	2357.6	2629.2	3172.2
107.5°	637.3	555.5	473.5	555.5	637.3	657.8	1179.8	1875.7	2223.6	2602.3	3359.8
110°	681.8	607.8	533.9	607.8	681.8	700.2	1170.8	1798.2	2112.0	2535.3	3382.1



TEST NUMBER: P936066

CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	734.0	663.5	593.1	663.5	734.0	751.6	1171.2	1730.5	2010.2	2443.6	3310.2
115°	812.4	747.4	682.4	747.4	812.4	828.7	1182.0	1653.0	1888.6	2306.0	3140.8
117.5°	888.8	829.7	770.6	829.7	888.8	903.5	1203.9	1604.5	1804.8	2181.5	2935.0
120°	933.2	877.6	822.0	877.6	933.2	947.1	1221.8	1588.1	1771.3	2115.5	2804.0
122.5°	984.4	928.3	872.2	928.3	984.4	998.5	1247.5	1579.6	1745.6	2055.5	2675.6
125°	1051.5	1000.4	949.3	1000.4	1051.5	1064.3	1282.1	1572.4	1717.7	1981.0	2507.6
127.5°	1115.1	1063.5	1011.9	1063.5	1115.1	1128.0	1316.7	1568.4	1694.2	1920.3	2372.5
130°	1156.6	1101.0	1045.4	1101.0	1156.6	1170.4	1342.1	1570.8	1685.2	1886.5	2289.1
132.5°	1191.2	1135.6	1080.0	1135.6	1191.2	1205.1	1362.6	1572.5	1677.5	1857.6	2218.0
135°	1232.7	1182.0	1131.3	1182.0	1232.7	1245.3	1384.9	1571.0	1664.0	1815.0	2116.8
137.5°	1284.1	1234.0	1183.9	1234.0	1284.1	1296.6	1418.4	1580.7	1661.9	1789.5	2044.5
140°	1319.7	1273.6	1227.4	1273.6	1319.7	1331.2	1438.9	1582.3	1654.0	1764.2	1984.6
142.5°	1346.3	1303.6	1260.9	1303.6	1346.3	1356.9	1456.0	1588.0	1654.0	1750.8	1944.3
145°	1386.7	1349.5	1312.3	1349.5	1386.7	1396.1	1478.3	1588.0	1642.8	1722.0	1880.3
147.5°	1436.2	1399.9	1363.6	1399.9	1436.2	1445.2	1511.1	1598.9	1642.8	1705.1	1829.7
150°	1462.7	1429.9	1397.1	1429.9	1462.7	1470.8	1528.1	1604.6	1642.8	1695.5	1800.7
152.5°	1481.5	1456.6	1431.8	1456.6	1481.5	1487.7	1539.4	1608.3	1642.8	1687.8	1777.6
155°	1519.9	1501.5	1483.2	1501.5	1519.9	1524.4	1563.9	1616.5	1642.8	1678.5	1750.1
157.5°	1556.9	1539.0	1521.1	1539.0	1556.9	1561.3	1588.5	1624.7	1642.8	1670.7	1726.3
160°	1574.6	1560.7	1546.8	1560.7	1574.6	1578.1	1599.7	1628.4	1642.8	1666.6	1714.3
162.5°	1593.4	1582.9	1572.5	1582.9	1593.4	1596.0	1611.6	1632.4	1642.8	1663.0	1703.2
165°	1619.3	1609.8	1600.4	1609.8	1619.3	1621.6	1628.7	1638.1	1642.8	1657.2	1686.1
167.5°	1635.0	1630.5	1626.1	1630.5	1635.0	1636.2	1642.1	1650.1	1654.0	1663.4	1682.3
170°	1651.8	1647.3	1642.8	1647.3	1651.8	1652.9	1653.3	1653.7	1654.0	1663.4	1682.3
172.5°	1653.7	1652.7	1651.8	1652.7	1653.7	1654.0	1654.0	1654.0	1654.0	1661.4	1676.3
175°	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1660.7	1656.2	1654.0	1658.7	1668.1
177.5°	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1661.4	1657.9	1656.2	1660.0	1667.4
180°	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0



TEST NUMBER: P936066

CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7
2.5°	2413.1	2406.1	2415.6	2389.5	2415.6	2406.1	2413.1	2429.7	2415.6	2425.0	2434.4
5°	2117.4	2105.6	2067.7	2037.0	2067.7	2105.6	2117.4	2167.1	2190.7	2233.4	2290.1
7.5°	1892.7	1883.2	1873.7	1854.8	1873.7	1883.2	1892.7	1906.8	1930.6	1968.3	2011.0
10°	1843.0	1845.3	1859.6	1857.1	1859.6	1845.3	1843.0	1838.3	1831.2	1838.3	1864.3
12.5°	1970.8	1992.1	2070.1	2065.4	2070.1	1992.1	1970.8	1876.1	1812.2	1800.4	1805.1
15°	2117.4	2124.5	2141.0	2143.5	2141.0	2124.5	2117.4	2079.5	1887.9	1805.1	1779.1
17.5°	2131.6	2134.0	2145.8	2145.8	2145.8	2134.0	2131.6	2115.1	2051.2	1940.0	1793.3
20°	2119.8	2124.5	2148.2	2153.0	2148.2	2124.5	2119.8	2098.5	2063.0	2022.8	1911.6
22.5°	2115.1	2124.5	2143.5	2141.0	2143.5	2124.5	2115.1	2082.0	2051.2	2022.8	1977.8
25°	2091.4	2091.4	2093.8	2096.1	2093.8	2091.4	2091.4	2065.4	2003.9	1996.7	1970.8
27.5°	2041.8	2046.4	2060.7	2058.3	2060.7	2046.4	2041.8	2032.3	1966.0	1958.9	1940.0
30°	1996.7	1992.1	1980.2	1970.8	1980.2	1992.1	1996.7	1982.6	1916.3	1897.4	1902.1
32.5°	1921.1	1909.3	1897.4	1890.3	1897.4	1909.3	1921.1	1916.3	1866.6	1840.6	1845.3
35°	1831.2	1833.5	1831.2	1824.0	1831.2	1833.5	1831.2	1835.9	1805.1	1781.5	1779.1
37.5°	1767.3	1772.0	1769.7	1760.2	1769.7	1772.0	1767.3	1762.5	1720.0	1712.9	1717.6
40°	1701.0	1703.4	1701.0	1693.9	1701.0	1703.4	1701.0	1691.6	1632.4	1634.8	1651.3
42.5°	1637.2	1634.8	1627.7	1622.9	1627.7	1634.8	1637.2	1622.9	1547.3	1540.1	1570.9
45°	1563.8	1566.2	1552.0	1544.9	1552.0	1566.2	1563.8	1554.4	1476.3	1457.4	1478.6
47.5°	1490.5	1490.5	1478.6	1471.5	1478.6	1490.5	1490.5	1478.6	1395.9	1376.9	1388.7
50°	1412.4	1410.0	1393.5	1391.1	1393.5	1410.0	1412.4	1405.3	1317.8	1301.2	1301.2
52.5°	1322.5	1322.5	1324.9	1329.6	1324.9	1322.5	1322.5	1324.9	1246.8	1230.2	1225.5
55°	1244.4	1246.8	1263.4	1268.1	1263.4	1246.8	1244.4	1244.4	1173.5	1156.9	1147.4
57.5°	1164.0	1164.0	1175.8	1175.8	1175.8	1164.0	1164.0	1159.2	1090.7	1076.4	1071.7
60°	1071.7	1076.4	1085.9	1083.6	1085.9	1076.4	1071.7	1067.0	1007.9	998.4	981.8
62.5°	974.7	979.5	981.8	977.1	981.8	979.5	974.7	960.5	925.0	918.0	896.7
65°	873.0	877.8	880.1	875.3	880.1	877.8	873.0	865.9	839.9	828.1	809.1
67.5°	768.9	766.6	764.1	773.6	764.1	766.6	768.9	759.4	742.8	733.4	707.4
70°	662.4	662.4	660.0	664.8	660.0	662.4	662.4	655.4	645.9	638.8	615.1
72.5°	548.9	546.5	556.0	548.9	556.0	546.5	548.9	546.5	541.8	534.7	511.0
75°	437.7	442.4	437.7	444.8	437.7	442.4	437.7	440.0	437.7	433.0	416.4
77.5°	333.6	338.3	333.6	333.6	333.6	338.3	333.6	335.9	335.9	335.9	321.8
80°	236.5	234.2	234.2	231.9	234.2	234.2	236.5	236.5	239.0	234.2	229.5
82.5°	151.4	149.1	149.1	153.8	149.1	149.1	151.4	153.8	149.1	149.1	149.1
85°	82.8	85.1	80.4	80.4	80.4	85.1	82.8	78.1	82.8	82.8	80.4
87.5°	30.8	28.4	28.4	28.4	28.4	28.4	30.8	33.1	33.1	33.1	35.5
90°	42.4	42.4	42.4	42.4	42.4	42.4	42.4	56.6	75.5	84.9	73.0
92.5°	212.2	203.8	170.0	136.3	170.0	203.8	212.2	300.8	418.9	478.0	419.7
95°	720.4	694.8	592.5	490.3	592.5	694.8	720.4	946.0	1246.7	1397.1	1179.9
97.5°	1663.0	1614.3	1419.7	1225.1	1419.7	1614.3	1663.0	1805.6	1995.7	2090.7	1728.7
100°	2335.2	2277.3	2045.5	1813.7	2045.5	2277.3	2335.2	2324.9	2311.0	2304.0	1902.2
102.5°	2909.3	2859.7	2661.1	2462.6	2661.1	2859.7	2909.3	2727.7	2485.5	2364.3	1956.8
105°	3579.5	3552.8	3446.1	3339.3	3446.1	3552.8	3579.5	3172.2	2629.2	2357.6	1963.0
107.5°	3927.9	3934.4	3960.1	3985.9	3960.1	3934.4	3927.9	3359.8	2602.3	2223.6	1875.7
110°	4017.3	4045.0	4156.2	4267.4	4156.2	4045.0	4017.3	3382.1	2535.3	2112.0	1798.2



TEST NUMBER: P936066

CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3960.2	4002.9	4173.7	4344.4	4173.7	4002.9	3960.2	3310.2	2443.6	2010.2	1730.5
115°	3767.0	3826.2	4063.0	4299.7	4063.0	3826.2	3767.0	3140.8	2306.0	1888.6	1653.0
117.5°	3500.1	3565.8	3828.4	4090.9	3828.4	3565.8	3500.1	2935.0	2181.5	1804.8	1604.5
120°	3320.4	3384.1	3639.3	3894.3	3639.3	3384.1	3320.4	2804.0	2115.5	1771.3	1588.1
122.5°	3140.5	3203.4	3455.1	3706.8	3455.1	3203.4	3140.5	2675.6	2055.5	1745.6	1579.6
125°	2902.6	2960.5	3192.4	3424.2	3192.4	2960.5	2902.6	2507.6	1981.0	1717.7	1572.4
127.5°	2711.6	2760.5	2956.1	3151.7	2956.1	2760.5	2711.6	2372.5	1920.3	1694.2	1568.4
130°	2591.0	2636.2	2816.9	2997.6	2816.9	2636.2	2591.0	2289.1	1886.5	1685.2	1570.8
132.5°	2488.3	2528.7	2690.5	2852.4	2690.5	2528.7	2488.3	2218.0	1857.6	1677.5	1572.5
135°	2343.1	2377.9	2517.4	2656.9	2517.4	2377.9	2343.1	2116.8	1815.0	1664.0	1571.0
137.5°	2235.9	2264.4	2378.6	2492.7	2378.6	2264.4	2235.9	2044.5	1789.5	1661.9	1580.7
140°	2149.9	2176.6	2283.3	2390.0	2283.3	2176.6	2149.9	1984.6	1764.2	1654.0	1582.3
142.5°	2089.6	2112.5	2204.3	2296.2	2204.3	2112.5	2089.6	1944.3	1750.8	1654.0	1588.0
145°	1999.1	2016.5	2086.0	2155.5	2086.0	2016.5	1999.1	1880.3	1722.0	1642.8	1588.0
147.5°	1923.1	1937.5	1995.1	2052.7	1995.1	1937.5	1923.1	1829.7	1705.1	1642.8	1598.9
150°	1879.6	1891.3	1938.0	1984.6	1938.0	1891.3	1879.6	1800.7	1695.5	1642.8	1604.6
152.5°	1845.0	1853.7	1889.0	1924.3	1889.0	1853.7	1845.0	1777.6	1687.8	1642.8	1608.3
155°	1803.7	1809.5	1832.9	1856.2	1832.9	1809.5	1803.7	1750.1	1678.5	1642.8	1616.5
157.5°	1768.0	1772.1	1788.4	1804.8	1788.4	1772.1	1768.0	1726.3	1670.7	1642.8	1624.7
160°	1750.1	1752.4	1761.9	1771.3	1761.9	1752.4	1750.1	1714.3	1666.6	1642.8	1628.4
162.5°	1733.3	1735.6	1744.4	1753.4	1744.4	1735.6	1733.3	1703.2	1663.0	1642.8	1632.4
165°	1707.6	1710.0	1719.4	1728.8	1719.4	1710.0	1707.6	1686.1	1657.2	1642.8	1638.1
167.5°	1696.4	1697.4	1701.5	1705.4	1701.5	1697.4	1696.4	1682.3	1663.4	1654.0	1650.1
170°	1696.4	1696.4	1696.4	1696.4	1696.4	1696.4	1696.4	1682.3	1663.4	1654.0	1653.7
172.5°	1687.5	1686.6	1683.2	1679.7	1683.2	1686.6	1687.5	1676.3	1661.4	1654.0	1654.0
175°	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1668.1	1658.7	1654.0	1656.2
177.5°	1673.0	1672.0	1668.0	1664.0	1668.0	1672.0	1673.0	1667.4	1660.0	1656.2	1657.9
180°	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0



TEST NUMBER: P936066

CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2500.7	2500.7	2500.7	2500.7	2500.7
2.5°	2469.9	2481.8	2488.9	2498.4	2522.0
5°	2375.3	2420.2	2434.4	2469.9	2512.5
7.5°	2167.1	2304.4	2342.1	2427.4	2493.6
10°	1966.0	2103.3	2169.4	2370.6	2469.9
12.5°	1864.3	1944.7	1989.7	2271.2	2436.8
15°	1800.4	1857.1	1890.3	2138.7	2399.0
17.5°	1750.7	1791.0	1814.6	2008.6	2346.9
20°	1720.0	1738.9	1760.2	1914.0	2287.8
22.5°	1698.7	1686.9	1703.4	1847.7	2207.3
25°	1684.4	1639.5	1658.5	1795.6	2112.7
27.5°	1696.3	1597.0	1604.0	1748.4	2013.3
30°	1698.7	1544.9	1547.3	1698.7	1902.1
32.5°	1682.1	1490.5	1492.8	1637.2	1776.7
35°	1641.9	1426.6	1424.3	1566.2	1606.4
37.5°	1587.5	1358.0	1358.0	1488.1	1419.5
40°	1521.2	1289.3	1296.5	1386.4	1253.9
42.5°	1440.8	1216.0	1225.5	1251.6	1130.9
45°	1353.3	1145.1	1152.2	1057.5	1036.2
47.5°	1256.3	1071.7	1074.1	877.8	1005.5
50°	1140.4	996.0	986.5	752.3	1003.1
52.5°	1038.6	913.2	884.8	681.3	910.9
55°	939.3	825.7	764.1	627.0	844.6
57.5°	851.7	712.1	653.0	563.1	830.4
60°	771.2	600.9	556.0	494.5	761.8
62.5°	705.1	518.1	508.6	447.1	690.8
65°	634.1	461.4	458.9	406.9	586.7
67.5°	565.5	423.5	421.2	369.0	447.1
70°	492.1	383.3	378.5	328.8	331.2
72.5°	416.4	338.3	333.6	295.7	274.4
75°	340.7	286.2	283.9	257.8	222.4
77.5°	267.3	227.1	231.9	208.2	163.2
80°	191.6	165.6	170.4	149.1	123.0
82.5°	127.8	108.9	113.5	94.6	82.8
85°	71.0	61.5	63.8	49.7	37.9
87.5°	33.1	28.4	28.4	18.9	11.8
90°	49.2	31.2	29.0	20.1	11.2
92.5°	303.1	215.6	196.6	120.6	44.7
95°	745.6	419.9	385.2	246.2	107.3
97.5°	1004.5	461.3	430.6	308.0	185.4
100°	1098.6	495.9	468.1	356.9	245.7
102.5°	1141.8	530.5	504.5	400.8	297.1
105°	1173.8	581.9	559.9	472.0	384.2
107.5°	1179.8	657.8	637.3	555.5	473.5
110°	1170.8	700.2	681.8	607.8	533.9



TEST NUMBER: P936066

CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1171.2	751.6	734.0	663.5	593.1
115°	1182.0	828.7	812.4	747.4	682.4
117.5°	1203.9	903.5	888.8	829.7	770.6
120°	1221.8	947.1	933.2	877.6	822.0
122.5°	1247.5	998.5	984.4	928.3	872.2
125°	1282.1	1064.3	1051.5	1000.4	949.3
127.5°	1316.7	1128.0	1115.1	1063.5	1011.9
130°	1342.1	1170.4	1156.6	1101.0	1045.4
132.5°	1362.6	1205.1	1191.2	1135.6	1080.0
135°	1384.9	1245.3	1232.7	1182.0	1131.3
137.5°	1418.4	1296.6	1284.1	1234.0	1183.9
140°	1438.9	1331.2	1319.7	1273.6	1227.4
142.5°	1456.0	1356.9	1346.3	1303.6	1260.9
145°	1478.3	1396.1	1386.7	1349.5	1312.3
147.5°	1511.1	1445.2	1436.2	1399.9	1363.6
150°	1528.1	1470.8	1462.7	1429.9	1397.1
152.5°	1539.4	1487.7	1481.5	1456.6	1431.8
155°	1563.9	1524.4	1519.9	1501.5	1483.2
157.5°	1588.5	1561.3	1556.9	1539.0	1521.1
160°	1599.7	1578.1	1574.6	1560.7	1546.8
162.5°	1611.6	1596.0	1593.4	1582.9	1572.5
165°	1628.7	1621.6	1619.3	1609.8	1600.4
167.5°	1642.1	1636.2	1635.0	1630.5	1626.1
170°	1653.3	1652.9	1651.8	1647.3	1642.8
172.5°	1654.0	1654.0	1653.7	1652.7	1651.8
175°	1660.7	1664.0	1664.0	1664.0	1664.0
177.5°	1661.4	1664.0	1664.0	1664.0	1664.0
180°	1664.0	1664.0	1664.0	1664.0	1664.0



TEST NUMBER: P936066
 CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-8-3500K

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	12.05	12.81	13.11	13.87	15.31	14.89	15.65	15.95	16.71	18.15
	3H	12.52	13.20	13.59	14.27	15.73	16.23	16.91	17.30	17.98	19.44
	4H	12.71	13.35	13.78	14.42	15.89	16.67	17.32	17.75	18.39	19.85
	6H	12.82	13.41	13.91	14.49	15.96	16.95	17.55	18.04	18.62	20.10
	8H	12.82	13.38	13.91	14.47	15.94	17.02	17.59	18.12	18.68	20.15
	12H	12.79	13.32	13.88	14.41	15.90	17.06	17.60	18.16	18.68	20.17
4H	2H	13.07	13.72	14.16	14.79	16.25	15.29	15.93	16.37	17.00	18.46
	3H	14.09	14.63	15.18	15.73	17.20	16.78	17.32	17.88	18.42	19.90
	4H	14.36	14.86	15.46	15.94	17.44	17.31	17.80	18.41	18.89	20.39
	6H	14.48	14.90	15.59	16.02	17.51	17.67	18.09	18.78	19.21	20.70
	8H	14.48	14.88	15.59	15.98	17.49	17.78	18.17	18.88	19.27	20.78
	12H	14.45	14.80	15.57	15.92	17.43	17.83	18.19	18.95	19.30	20.81
8H	4H	14.81	15.20	15.91	16.31	17.81	17.43	17.82	18.53	18.92	20.43
	6H	15.07	15.39	16.19	16.54	18.04	17.86	18.19	18.99	19.33	20.83
	8H	15.11	15.39	16.24	16.52	18.04	18.01	18.30	19.15	19.42	20.95
	12H	15.09	15.34	16.22	16.46	18.02	18.11	18.36	19.24	19.48	21.04
12H	4H	14.81	15.17	15.93	16.28	17.80	17.38	17.74	18.51	18.86	20.37
	6H	15.13	15.41	16.26	16.54	18.06	17.86	18.14	18.99	19.27	20.79
	8H	15.19	15.44	16.33	16.56	18.12	18.01	18.26	19.15	19.39	20.95