

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: P935239

Luminaire Tested: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-6-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935239
REPORT IS A COMBINATION OF REPORTS P933747 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-6-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

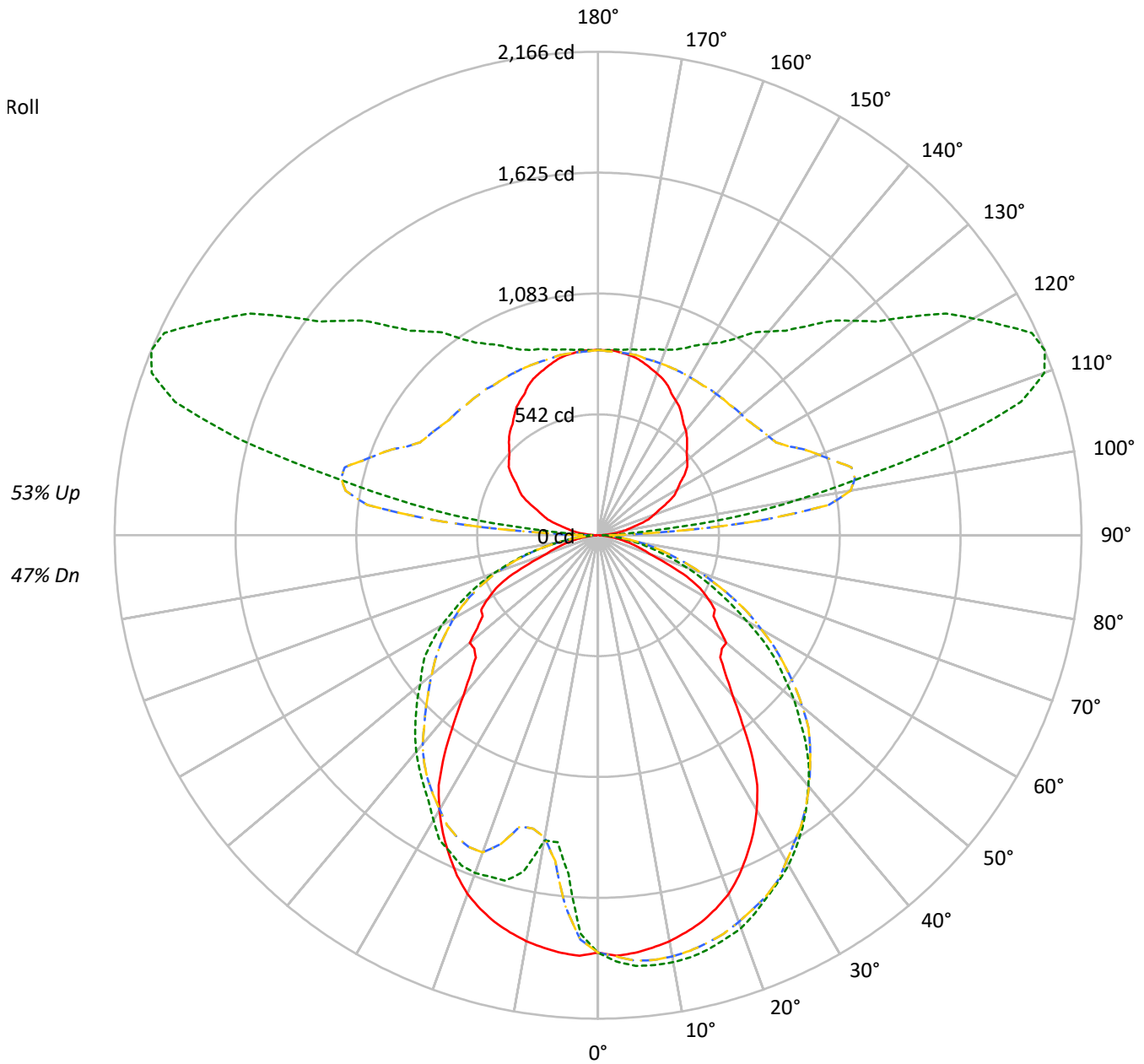
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10230.3 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 87
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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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
RCR																				
0	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	47	47	47
1	97	93	89	86	89	86	82	79	72	70	67	59	58	56	48	47	46	40	40	40
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	42	40	38	34	34	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	28	28	28
4	74	63	55	49	68	58	51	46	49	44	40	41	37	34	33	30	28	24	24	24
5	68	56	48	42	62	52	45	39	44	39	34	37	33	29	30	27	24	21	21	21
6	62	50	42	36	57	47	39	34	40	34	30	33	29	26	27	24	21	19	19	19
7	58	45	37	32	53	42	35	30	36	30	26	30	26	23	25	21	19	16	16	16
8	53	41	33	28	49	38	31	27	33	27	23	28	23	20	23	19	17	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13	13	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12	12	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11566	11566	11566	11566
5°	11648	11676	11648	9181
10°	11566	11501	11566	8223
15°	11436	11252	11436	9396
20°	11193	10957	11193	9415
25°	10699	10526	10699	9216
30°	10062	10169	10062	8777
35°	8966	9717	8966	8296
40°	7466	9184	7466	7932
45°	6667	8562	6667	7514
50°	7077	7818	7077	7094
55°	6653	7018	6653	6851
60°	6850	5960	6850	6275
65°	6200	4927	6200	5508
70°	4282	3926	4282	4616
75°	3742	2902	3742	3476
80°	2991	1919	2991	2089
85°	1687	1017	1687	865

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10225 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.8	1.6
10°-20°	479.2	4.7
20°-30°	740.8	7.2
30°-40°	884.3	8.6
40°-50°	889.5	8.7
50°-60°	774.0	7.6
60°-70°	548.7	5.4
70°-80°	290.3	2.8
80°-90°	75.5	0.7
90°-100°	404.5	4.0
100°-110°	1063.4	10.4
110°-120°	1102.7	10.8
120°-130°	884.5	8.6
130°-140°	694.0	6.8
140°-150°	532.7	5.2
150°-160°	383.6	3.7
160°-170°	234.7	2.3
170°-180°	79.3	0.8
0°-30°	1388.7	13.6
0°-40°	2273.0	22.2
0°-60°	3936.4	38.5
0°-90°	4851.0	47.4
90°-120°	2570.6	25.1
90°-150°	4681.7	45.8
90°-180°	5379.0	52.6
0°-180°	10230.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1870	1870	1870	1870	1870	
5°	1878	1937	1878	1523	1878	178
15°	1794	1919	1794	1603	1794	505
25°	1580	1790	1580	1567	1580	725
35°	1201	1597	1201	1364	1201	743
45°	775	1316	775	1155	775	621
55°	632	971	632	948	632	580
65°	439	586	439	654	439	419
75°	166	278	166	333	166	175
85°	28	71	28	60	28	38
90°	6	21	6	21	6	6
95°	54	244	54	244	54	59
105°	192	1665	192	1665	192	203
115°	340	2144	340	2144	340	336
125°	473	1708	473	1708	473	420
135°	564	1325	564	1325	564	436
145°	654	1075	654	1075	654	410
155°	740	926	740	926	740	340
165°	798	862	798	862	798	225
175°	830	835	830	835	830	79
180°	830	830	830	830	830	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7
2.5°	1885.7	1885.7	1896.3	1899.8	1899.8	1894.5	1889.1	1894.5	1910.4	1915.7	1914.0
5°	1878.5	1892.7	1912.2	1915.7	1919.2	1917.4	1914.0	1917.4	1935.1	1938.7	1940.5
7.5°	1864.4	1890.9	1915.7	1921.0	1926.3	1921.0	1919.2	1922.8	1940.5	1944.0	1944.0
10°	1846.7	1883.9	1912.2	1915.7	1921.0	1915.7	1915.7	1922.8	1940.5	1944.0	1945.7
12.5°	1821.9	1873.3	1899.8	1903.3	1910.4	1908.6	1906.8	1914.0	1931.6	1935.1	1935.1
15°	1793.6	1853.8	1878.5	1882.1	1894.5	1890.9	1890.9	1898.0	1917.4	1922.8	1921.0
17.5°	1754.7	1829.0	1857.4	1862.6	1871.5	1869.7	1871.5	1878.5	1896.3	1899.8	1901.5
20°	1710.5	1795.4	1829.0	1834.3	1843.2	1843.2	1843.2	1852.0	1869.7	1876.8	1876.8
22.5°	1650.4	1760.1	1795.4	1799.0	1809.6	1809.6	1813.1	1825.5	1841.4	1843.2	1843.2
25°	1579.6	1721.1	1751.2	1761.8	1772.4	1777.7	1783.0	1790.1	1795.4	1793.6	1795.4
27.5°	1505.3	1671.6	1710.5	1717.6	1731.8	1737.0	1744.1	1745.9	1747.7	1752.9	1749.4
30°	1422.2	1602.6	1661.0	1668.0	1691.1	1694.5	1687.5	1691.1	1699.9	1703.5	1707.0
32.5°	1328.4	1500.0	1609.7	1625.6	1646.8	1636.2	1634.5	1639.7	1653.9	1653.9	1657.4
35°	1201.1	1420.4	1561.9	1576.1	1592.0	1579.6	1586.7	1588.4	1597.3	1602.6	1600.8
37.5°	1061.3	1351.4	1512.4	1523.0	1535.4	1519.5	1530.0	1535.4	1542.4	1539.0	1539.0
40°	937.5	1243.5	1454.0	1461.1	1471.8	1459.3	1470.0	1473.4	1477.0	1473.4	1471.8
42.5°	845.5	1125.0	1392.1	1401.0	1393.9	1402.8	1406.2	1413.4	1408.0	1401.0	1401.0
45°	774.8	1093.2	1324.9	1335.5	1324.9	1339.0	1344.4	1344.4	1328.4	1324.9	1323.1
47.5°	751.8	1029.5	1257.7	1257.7	1252.3	1270.0	1278.9	1266.5	1250.6	1245.3	1245.3
50°	750.0	958.8	1165.7	1158.6	1183.3	1204.6	1195.8	1183.3	1171.0	1151.6	1151.6
52.5°	681.0	872.1	1047.1	1073.7	1112.7	1125.0	1110.9	1098.5	1077.2	1068.4	1061.3
55°	631.5	781.8	939.3	992.3	1033.0	1048.9	1022.4	1010.0	978.2	972.9	969.4
57.5°	620.9	651.0	840.2	907.4	957.0	955.2	939.3	916.3	889.8	884.4	882.7
60°	569.6	470.5	734.1	813.7	864.9	859.7	845.5	824.3	799.5	796.0	792.5
62.5°	516.5	341.4	613.8	704.0	776.6	774.8	762.4	730.5	712.8	704.0	697.0
65°	438.7	286.5	436.9	585.5	689.9	693.4	666.9	643.8	624.4	613.8	612.1
67.5°	334.3	233.5	295.4	488.2	606.7	603.2	569.6	559.0	534.2	528.9	518.3
70°	247.6	155.7	205.2	396.2	525.4	516.5	490.0	477.6	454.6	442.2	435.2
72.5°	205.2	125.6	150.3	307.8	442.2	431.6	408.6	394.4	375.0	364.4	357.3
75°	166.3	132.6	115.0	228.2	359.1	352.0	330.8	316.6	300.7	286.5	288.3
77.5°	122.0	123.8	91.9	168.1	284.7	274.2	261.8	244.1	237.0	222.9	222.9
80°	91.9	97.3	69.0	115.0	205.2	205.2	194.6	182.2	169.8	162.7	162.7
82.5°	61.9	61.9	51.3	72.5	139.8	134.4	127.4	123.8	116.8	113.2	113.2
85°	28.3	35.3	31.9	44.2	76.1	79.6	79.6	76.1	74.3	70.8	72.5
87.5°	8.8	15.9	19.5	24.7	38.9	40.7	42.5	42.5	42.5	44.2	44.2
90°	5.5	10.0	14.5	15.6	24.5	36.4	42.3	37.6	28.2	21.2	21.2
92.5°	22.3	60.2	98.0	107.5	151.1	209.2	238.3	208.9	150.0	105.8	101.6
95°	53.5	122.7	192.1	209.4	371.9	588.4	696.7	621.7	471.7	359.2	346.4
97.5°	92.5	153.6	214.8	230.0	500.8	862.0	1042.6	995.2	900.4	829.2	805.0
100°	122.6	178.0	233.4	247.3	547.8	948.5	1148.9	1152.4	1159.3	1164.5	1135.6
102.5°	148.2	199.9	251.6	264.6	569.4	975.8	1179.0	1239.4	1360.2	1450.8	1426.0
105°	191.6	235.4	279.2	290.2	585.4	978.9	1175.7	1311.1	1581.8	1784.9	1771.6
107.5°	236.1	277.0	317.9	328.0	588.3	935.3	1108.8	1297.7	1675.4	1958.7	1961.9
110°	266.2	303.0	340.0	349.2	583.9	896.7	1053.1	1264.2	1686.5	2003.2	2017.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	295.7	330.9	366.1	374.8	584.0	863.0	1002.4	1218.5	1650.7	1974.8	1996.1
115°	340.3	372.7	405.1	413.2	589.4	824.2	941.7	1149.9	1566.3	1878.5	1908.1
117.5°	384.3	413.7	443.2	450.5	600.3	800.1	899.9	1087.8	1463.5	1745.3	1778.1
120°	409.9	437.7	465.3	472.3	609.3	791.9	883.2	1054.9	1398.2	1655.7	1687.5
122.5°	435.0	462.9	490.9	497.9	622.1	787.6	870.5	1025.1	1334.2	1566.0	1597.4
125°	473.4	498.9	524.4	530.8	639.4	784.2	856.6	987.9	1250.5	1447.5	1476.4
127.5°	504.6	530.3	556.1	562.5	656.6	782.1	844.9	957.6	1183.1	1352.2	1376.6
130°	521.3	549.1	576.7	583.7	669.3	783.4	840.4	940.7	1141.5	1292.1	1314.6
132.5°	538.5	566.3	593.9	600.9	679.5	784.2	836.5	926.4	1106.0	1240.8	1261.0
135°	564.1	589.4	614.7	621.0	690.6	783.4	829.8	905.0	1055.5	1168.4	1185.8
137.5°	590.3	615.3	640.4	646.6	707.3	788.3	828.7	892.4	1019.6	1115.0	1129.2
140°	612.1	635.1	658.1	663.8	717.5	789.0	824.8	879.8	989.6	1072.0	1085.3
142.5°	628.8	650.1	671.3	676.7	726.1	791.8	824.8	873.1	969.6	1042.0	1053.4
145°	654.4	672.9	691.5	696.2	737.2	791.9	819.2	858.7	937.7	996.9	1005.5
147.5°	680.0	698.0	716.1	720.6	753.5	797.3	819.2	850.3	912.4	959.0	966.2
150°	696.7	713.0	729.4	733.5	762.0	800.1	819.2	845.5	897.9	937.3	943.1
152.5°	714.0	726.4	738.7	741.9	767.7	802.0	819.2	841.7	886.5	920.0	924.4
155°	739.6	748.7	757.8	760.2	779.9	806.1	819.2	837.1	872.7	899.4	902.3
157.5°	758.5	767.5	776.3	778.5	792.1	810.2	819.2	833.1	860.8	881.6	883.7
160°	771.3	778.3	785.2	786.9	797.7	812.1	819.2	831.1	854.9	872.7	873.9
162.5°	784.2	789.3	794.5	795.9	803.6	814.1	819.2	829.2	849.3	864.3	865.4
165°	798.1	802.7	807.5	808.6	812.2	816.9	819.2	826.4	840.8	851.6	852.7
167.5°	810.9	813.1	815.3	815.9	818.8	822.8	824.8	829.5	838.9	845.9	846.5
170°	819.2	821.5	823.7	824.2	824.4	824.7	824.8	829.5	838.9	845.9	845.9
172.5°	823.7	824.2	824.7	824.8	824.8	824.8	824.8	828.5	835.9	841.5	841.0
175°	829.8	829.8	829.8	829.8	828.1	825.9	824.8	827.1	831.8	835.4	835.4
177.5°	829.8	829.8	829.8	829.8	828.5	826.8	825.9	827.8	831.5	834.2	833.7
180°	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7
2.5°	1917.4	1912.2	1917.4	1914.0	1915.7	1910.4	1894.5	1889.1	1894.5	1899.8	1899.8
5°	1940.5	1936.9	1940.5	1940.5	1938.7	1935.1	1917.4	1914.0	1917.4	1919.2	1915.7
7.5°	1947.5	1942.3	1947.5	1944.0	1944.0	1940.5	1922.8	1919.2	1921.0	1926.3	1921.0
10°	1947.5	1942.3	1947.5	1945.7	1944.0	1940.5	1922.8	1915.7	1915.7	1921.0	1915.7
12.5°	1938.7	1935.1	1938.7	1935.1	1935.1	1931.6	1914.0	1906.8	1908.6	1910.4	1903.3
15°	1924.6	1919.2	1924.6	1921.0	1922.8	1917.4	1898.0	1890.9	1890.9	1894.5	1882.1
17.5°	1903.3	1896.3	1903.3	1901.5	1899.8	1896.3	1878.5	1871.5	1869.7	1871.5	1862.6
20°	1878.5	1873.3	1878.5	1876.8	1876.8	1869.7	1852.0	1843.2	1843.2	1843.2	1834.3
22.5°	1839.6	1834.3	1839.6	1843.2	1843.2	1841.4	1825.5	1813.1	1809.6	1809.6	1799.0
25°	1795.4	1790.1	1795.4	1795.4	1793.6	1795.4	1790.1	1783.0	1777.7	1772.4	1761.8
27.5°	1752.9	1749.4	1752.9	1749.4	1752.9	1747.7	1745.9	1744.1	1737.0	1731.8	1717.6
30°	1710.5	1707.0	1710.5	1707.0	1703.5	1699.9	1691.1	1687.5	1694.5	1691.1	1668.0
32.5°	1657.4	1653.9	1657.4	1657.4	1653.9	1653.9	1639.7	1634.5	1636.2	1646.8	1625.6
35°	1602.6	1597.3	1602.6	1600.8	1602.6	1597.3	1588.4	1586.7	1579.6	1592.0	1576.1
37.5°	1539.0	1533.6	1539.0	1539.0	1539.0	1542.4	1535.4	1530.0	1519.5	1535.4	1523.0
40°	1473.4	1466.4	1473.4	1471.8	1473.4	1477.0	1473.4	1470.0	1459.3	1471.8	1461.1
42.5°	1399.2	1397.4	1399.2	1401.0	1401.0	1408.0	1413.4	1406.2	1402.8	1393.9	1401.0
45°	1319.6	1316.1	1319.6	1323.1	1324.9	1328.4	1344.4	1344.4	1339.0	1324.9	1335.5
47.5°	1234.7	1225.8	1234.7	1245.3	1245.3	1250.6	1266.5	1278.9	1270.0	1252.3	1257.7
50°	1144.4	1146.2	1144.4	1151.6	1151.6	1171.0	1183.3	1195.8	1204.6	1183.3	1158.6
52.5°	1056.1	1054.3	1056.1	1061.3	1068.4	1077.2	1098.5	1110.9	1125.0	1112.7	1073.7
55°	967.6	971.1	967.6	969.4	972.9	978.2	1010.0	1022.4	1048.9	1033.0	992.3
57.5°	879.1	873.8	879.1	882.7	884.4	889.8	916.3	939.3	955.2	957.0	907.4
60°	776.6	769.4	776.6	792.5	796.0	799.5	824.3	845.5	859.7	864.9	813.7
62.5°	686.3	673.9	686.3	697.0	704.0	712.8	730.5	762.4	774.8	776.6	704.0
65°	590.8	585.5	590.8	612.1	613.8	624.4	643.8	666.9	693.4	689.9	585.5
67.5°	504.2	504.2	504.2	518.3	528.9	534.2	559.0	569.6	603.2	606.7	488.2
70°	424.5	422.7	424.5	435.2	442.2	454.6	477.6	490.0	516.5	525.4	396.2
72.5°	348.5	346.7	348.5	357.3	364.4	375.0	394.4	408.6	431.6	442.2	307.8
75°	281.3	277.7	281.3	288.3	286.5	300.7	316.6	330.8	352.0	359.1	228.2
77.5°	215.8	215.8	215.8	222.9	222.9	237.0	244.1	261.8	274.2	284.7	168.1
80°	160.9	159.2	160.9	162.7	162.7	169.8	182.2	194.6	205.2	205.2	115.0
82.5°	113.2	109.7	113.2	113.2	113.2	116.8	123.8	127.4	134.4	139.8	72.5
85°	70.8	70.8	70.8	72.5	70.8	74.3	76.1	79.6	79.6	76.1	44.2
87.5°	46.0	44.2	46.0	44.2	44.2	42.5	42.5	42.5	40.7	38.9	24.7
90°	21.2	21.2	21.2	21.2	21.2	28.2	37.6	42.3	36.4	24.5	15.6
92.5°	84.7	67.9	84.7	101.6	105.8	150.0	208.9	238.3	209.2	151.1	107.5
95°	295.5	244.5	295.5	346.4	359.2	471.7	621.7	696.7	588.4	371.9	209.4
97.5°	707.9	610.9	707.9	805.0	829.2	900.4	995.2	1042.6	862.0	500.8	230.0
100°	1020.0	904.4	1020.0	1135.6	1164.5	1159.3	1152.4	1148.9	948.5	547.8	247.3
102.5°	1327.0	1228.0	1327.0	1426.0	1450.8	1360.2	1239.4	1179.0	975.8	569.4	264.6
105°	1718.4	1665.2	1718.4	1771.6	1784.9	1581.8	1311.1	1175.7	978.9	585.4	290.2
107.5°	1974.8	1987.7	1974.8	1961.9	1958.7	1675.4	1297.7	1108.8	935.3	588.3	328.0
110°	2072.6	2128.0	2072.6	2017.1	2003.2	1686.5	1264.2	1053.1	896.7	583.9	349.2



TEST NUMBER: P935239

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2081.2	2166.4	2081.2	1996.1	1974.8	1650.7	1218.5	1002.4	863.0	584.0	374.8
115°	2026.1	2144.2	2026.1	1908.1	1878.5	1566.3	1149.9	941.7	824.2	589.4	413.2
117.5°	1909.0	2040.0	1909.0	1778.1	1745.3	1463.5	1087.8	899.9	800.1	600.3	450.5
120°	1814.8	1942.0	1814.8	1687.5	1655.7	1398.2	1054.9	883.2	791.9	609.3	472.3
122.5°	1722.9	1848.4	1722.9	1597.4	1566.0	1334.2	1025.1	870.5	787.6	622.1	497.9
125°	1591.9	1707.5	1591.9	1476.4	1447.5	1250.5	987.9	856.6	784.2	639.4	530.8
127.5°	1474.2	1571.6	1474.2	1376.6	1352.2	1183.1	957.6	844.9	782.1	656.6	562.5
130°	1404.7	1494.8	1404.7	1314.6	1292.1	1141.5	940.7	840.4	783.4	669.3	583.7
132.5°	1341.7	1422.4	1341.7	1261.0	1240.8	1106.0	926.4	836.5	784.2	679.5	600.9
135°	1255.4	1324.9	1255.4	1185.8	1168.4	1055.5	905.0	829.8	783.4	690.6	621.0
137.5°	1186.1	1243.1	1186.1	1129.2	1115.0	1019.6	892.4	828.7	788.3	707.3	646.6
140°	1138.6	1191.8	1138.6	1085.3	1072.0	989.6	879.8	824.8	789.0	717.5	663.8
142.5°	1099.3	1145.1	1099.3	1053.4	1042.0	969.6	873.1	824.8	791.8	726.1	676.7
145°	1040.3	1074.9	1040.3	1005.5	996.9	937.7	858.7	819.2	791.9	737.2	696.2
147.5°	994.9	1023.7	994.9	966.2	959.0	912.4	850.3	819.2	797.3	753.5	720.6
150°	966.4	989.6	966.4	943.1	937.3	897.9	845.5	819.2	800.1	762.0	733.5
152.5°	942.0	959.6	942.0	924.4	920.0	886.5	841.7	819.2	802.0	767.7	741.9
155°	914.0	925.6	914.0	902.3	899.4	872.7	837.1	819.2	806.1	779.9	760.2
157.5°	891.8	899.9	891.8	883.7	881.6	860.8	833.1	819.2	810.2	792.1	778.5
160°	878.6	883.2	878.6	873.9	872.7	854.9	831.1	819.2	812.1	797.7	786.9
162.5°	869.9	874.3	869.9	865.4	864.3	849.3	829.2	819.2	814.1	803.6	795.9
165°	857.5	862.1	857.5	852.7	851.6	840.8	826.4	819.2	816.9	812.2	808.6
167.5°	848.4	850.4	848.4	846.5	845.9	838.9	829.5	824.8	822.8	818.8	815.9
170°	845.9	845.9	845.9	845.9	845.9	838.9	829.5	824.8	824.7	824.4	824.2
172.5°	839.3	837.6	839.3	841.0	841.5	835.9	828.5	824.8	824.8	824.8	824.8
175°	835.4	835.4	835.4	835.4	835.4	831.8	827.1	824.8	825.9	828.1	829.8
177.5°	831.7	829.8	831.7	833.7	834.2	831.5	827.8	825.9	826.8	828.5	829.8
180°	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8



TEST NUMBER: P935239

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7
2.5°	1896.3	1885.7	1885.7	1867.9	1860.8	1855.6	1846.7	1820.1	1813.1	1806.0	1816.7
5°	1912.2	1892.7	1878.5	1846.7	1820.1	1809.6	1776.0	1712.3	1669.8	1638.0	1620.3
7.5°	1915.7	1890.9	1864.4	1814.9	1751.2	1722.8	1620.3	1503.5	1471.8	1443.4	1425.7
10°	1912.2	1883.9	1846.7	1772.4	1622.1	1572.5	1470.0	1393.9	1374.5	1369.1	1374.5
12.5°	1899.8	1873.3	1821.9	1698.1	1487.6	1454.0	1393.9	1349.6	1346.2	1355.0	1402.8
15°	1878.5	1853.8	1793.6	1599.0	1413.4	1388.6	1346.2	1330.2	1349.6	1411.6	1554.9
17.5°	1857.4	1829.0	1754.7	1501.7	1356.7	1339.0	1308.9	1340.8	1450.5	1533.6	1581.4
20°	1829.0	1795.4	1710.5	1431.0	1316.1	1300.1	1286.0	1429.3	1512.4	1542.4	1569.0
22.5°	1795.4	1760.1	1650.4	1381.5	1273.6	1261.2	1270.0	1478.8	1512.4	1533.6	1556.6
25°	1751.2	1721.1	1579.6	1342.6	1240.0	1225.8	1259.5	1473.4	1492.9	1498.3	1544.2
27.5°	1710.5	1671.6	1505.3	1307.2	1199.3	1194.0	1268.3	1450.5	1464.6	1470.0	1519.5
30°	1661.0	1602.6	1422.2	1270.0	1156.8	1155.1	1270.0	1422.2	1418.6	1432.8	1482.3
32.5°	1609.7	1500.0	1328.4	1224.0	1116.1	1114.4	1257.7	1379.7	1376.2	1395.6	1432.8
35°	1561.9	1420.4	1201.1	1171.0	1064.9	1066.6	1227.6	1330.2	1332.0	1349.6	1372.7
37.5°	1512.4	1351.4	1061.3	1112.7	1015.4	1015.4	1186.9	1284.2	1280.6	1286.0	1317.8
40°	1454.0	1243.5	937.5	1036.6	969.4	964.0	1137.4	1234.7	1222.3	1220.6	1264.8
42.5°	1392.1	1125.0	845.5	935.7	916.3	909.2	1077.2	1174.5	1151.6	1156.8	1213.4
45°	1324.9	1093.2	774.8	790.7	861.5	856.1	1011.8	1105.5	1089.6	1103.8	1162.2
47.5°	1257.7	1029.5	751.8	656.3	803.1	801.3	939.3	1038.3	1029.5	1043.7	1105.5
50°	1165.7	958.8	750.0	562.5	737.7	744.7	852.6	972.9	972.9	985.3	1050.7
52.5°	1047.1	872.1	681.0	509.4	661.5	682.8	776.6	916.3	919.8	932.2	990.5
55°	939.3	781.8	631.5	468.7	571.4	617.3	702.2	857.9	864.9	877.4	930.5
57.5°	840.2	651.0	620.9	421.0	488.2	532.4	636.8	801.3	804.9	815.5	866.7
60°	734.1	470.5	569.6	369.7	415.7	449.3	576.6	734.1	746.5	753.5	797.7
62.5°	613.8	341.4	516.5	334.3	380.3	387.4	527.1	670.4	686.3	691.6	718.2
65°	436.9	286.5	438.7	304.2	343.1	344.9	474.1	604.9	619.1	628.0	647.4
67.5°	295.4	233.5	334.3	275.9	314.8	316.6	422.7	528.9	548.3	555.4	567.8
70°	205.2	155.7	247.6	245.9	283.0	286.5	367.9	459.9	477.6	482.9	490.0
72.5°	150.3	125.6	205.2	221.1	249.4	253.0	311.3	382.0	399.8	405.1	408.6
75°	115.0	132.6	166.3	192.8	212.3	214.1	254.8	311.3	323.7	327.2	329.0
77.5°	91.9	123.8	122.0	155.7	173.3	169.8	199.9	240.6	251.2	251.2	251.2
80°	69.0	97.3	91.9	111.4	127.4	123.8	143.3	171.6	175.1	178.6	176.9
82.5°	51.3	61.9	61.9	70.8	84.9	81.4	95.5	111.4	111.4	111.4	115.0
85°	31.9	35.3	28.3	37.1	47.8	46.0	53.1	60.2	61.9	61.9	58.4
87.5°	19.5	15.9	8.8	14.2	21.2	21.2	24.7	26.5	24.7	24.7	24.7
90°	14.5	10.0	5.5	10.0	14.5	15.6	24.5	36.4	42.3	37.6	28.2
92.5°	98.0	60.2	22.3	60.2	98.0	107.5	151.1	209.2	238.3	208.9	150.0
95°	192.1	122.7	53.5	122.7	192.1	209.4	371.9	588.4	696.7	621.7	471.7
97.5°	214.8	153.6	92.5	153.6	214.8	230.0	500.8	862.0	1042.6	995.2	900.4
100°	233.4	178.0	122.6	178.0	233.4	247.3	547.8	948.5	1148.9	1152.4	1159.3
102.5°	251.6	199.9	148.2	199.9	251.6	264.6	569.4	975.8	1179.0	1239.4	1360.2
105°	279.2	235.4	191.6	235.4	279.2	290.2	585.4	978.9	1175.7	1311.1	1581.8
107.5°	317.9	277.0	236.1	277.0	317.9	328.0	588.3	935.3	1108.8	1297.7	1675.4
110°	340.0	303.0	266.2	303.0	340.0	349.2	583.9	896.7	1053.1	1264.2	1686.5



TEST NUMBER: P935239

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	366.1	330.9	295.7	330.9	366.1	374.8	584.0	863.0	1002.4	1218.5	1650.7
115°	405.1	372.7	340.3	372.7	405.1	413.2	589.4	824.2	941.7	1149.9	1566.3
117.5°	443.2	413.7	384.3	413.7	443.2	450.5	600.3	800.1	899.9	1087.8	1463.5
120°	465.3	437.7	409.9	437.7	465.3	472.3	609.3	791.9	883.2	1054.9	1398.2
122.5°	490.9	462.9	435.0	462.9	490.9	497.9	622.1	787.6	870.5	1025.1	1334.2
125°	524.4	498.9	473.4	498.9	524.4	530.8	639.4	784.2	856.6	987.9	1250.5
127.5°	556.1	530.3	504.6	530.3	556.1	562.5	656.6	782.1	844.9	957.6	1183.1
130°	576.7	549.1	521.3	549.1	576.7	583.7	669.3	783.4	840.4	940.7	1141.5
132.5°	593.9	566.3	538.5	566.3	593.9	600.9	679.5	784.2	836.5	926.4	1106.0
135°	614.7	589.4	564.1	589.4	614.7	621.0	690.6	783.4	829.8	905.0	1055.5
137.5°	640.4	615.3	590.3	615.3	640.4	646.6	707.3	788.3	828.7	892.4	1019.6
140°	658.1	635.1	612.1	635.1	658.1	663.8	717.5	789.0	824.8	879.8	989.6
142.5°	671.3	650.1	628.8	650.1	671.3	676.7	726.1	791.8	824.8	873.1	969.6
145°	691.5	672.9	654.4	672.9	691.5	696.2	737.2	791.9	819.2	858.7	937.7
147.5°	716.1	698.0	680.0	698.0	716.1	720.6	753.5	797.3	819.2	850.3	912.4
150°	729.4	713.0	696.7	713.0	729.4	733.5	762.0	800.1	819.2	845.5	897.9
152.5°	738.7	726.4	714.0	726.4	738.7	741.9	767.7	802.0	819.2	841.7	886.5
155°	757.8	748.7	739.6	748.7	757.8	760.2	779.9	806.1	819.2	837.1	872.7
157.5°	776.3	767.5	758.5	767.5	776.3	778.5	792.1	810.2	819.2	833.1	860.8
160°	785.2	778.3	771.3	778.3	785.2	786.9	797.7	812.1	819.2	831.1	854.9
162.5°	794.5	789.3	784.2	789.3	794.5	795.9	803.6	814.1	819.2	829.2	849.3
165°	807.5	802.7	798.1	802.7	807.5	808.6	812.2	816.9	819.2	826.4	840.8
167.5°	815.3	813.1	810.9	813.1	815.3	815.9	818.8	822.8	824.8	829.5	838.9
170°	823.7	821.5	819.2	821.5	823.7	824.2	824.4	824.7	824.8	829.5	838.9
172.5°	824.7	824.2	823.7	824.2	824.7	824.8	824.8	824.8	824.8	828.5	835.9
175°	829.8	829.8	829.8	829.8	829.8	829.8	828.1	825.9	824.8	827.1	831.8
177.5°	829.8	829.8	829.8	829.8	829.8	829.8	828.5	826.8	825.9	827.8	831.5
180°	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8



TEST NUMBER: P935239

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7
2.5°	1804.3	1799.0	1806.0	1786.6	1806.0	1799.0	1804.3	1816.7	1806.0	1813.1	1820.1
5°	1583.2	1574.3	1546.0	1523.0	1546.0	1574.3	1583.2	1620.3	1638.0	1669.8	1712.3
7.5°	1415.1	1408.0	1401.0	1386.8	1401.0	1408.0	1415.1	1425.7	1443.4	1471.8	1503.5
10°	1377.9	1379.7	1390.3	1388.6	1390.3	1379.7	1377.9	1374.5	1369.1	1374.5	1393.9
12.5°	1473.4	1489.4	1547.8	1544.2	1547.8	1489.4	1473.4	1402.8	1355.0	1346.2	1349.6
15°	1583.2	1588.4	1600.8	1602.6	1600.8	1588.4	1583.2	1554.9	1411.6	1349.6	1330.2
17.5°	1593.8	1595.6	1604.4	1604.4	1604.4	1595.6	1593.8	1581.4	1533.6	1450.5	1340.8
20°	1584.9	1588.4	1606.2	1609.7	1606.2	1588.4	1584.9	1569.0	1542.4	1512.4	1429.3
22.5°	1581.4	1588.4	1602.6	1600.8	1602.6	1588.4	1581.4	1556.6	1533.6	1512.4	1478.8
25°	1563.7	1563.7	1565.5	1567.3	1565.5	1563.7	1563.7	1544.2	1498.3	1492.9	1473.4
27.5°	1526.6	1530.0	1540.7	1539.0	1540.7	1530.0	1526.6	1519.5	1470.0	1464.6	1450.5
30°	1492.9	1489.4	1480.6	1473.4	1480.6	1489.4	1492.9	1482.3	1432.8	1418.6	1422.2
32.5°	1436.3	1427.5	1418.6	1413.4	1418.6	1427.5	1436.3	1432.8	1395.6	1376.2	1379.7
35°	1369.1	1370.9	1369.1	1363.8	1369.1	1370.9	1369.1	1372.7	1349.6	1332.0	1330.2
37.5°	1321.3	1324.9	1323.1	1316.1	1323.1	1324.9	1321.3	1317.8	1286.0	1280.6	1284.2
40°	1271.8	1273.6	1271.8	1266.5	1271.8	1273.6	1271.8	1264.8	1220.6	1222.3	1234.7
42.5°	1224.0	1222.3	1217.0	1213.4	1217.0	1222.3	1224.0	1213.4	1156.8	1151.6	1174.5
45°	1169.2	1171.0	1160.4	1155.1	1160.4	1171.0	1169.2	1162.2	1103.8	1089.6	1105.5
47.5°	1114.4	1114.4	1105.5	1100.2	1105.5	1114.4	1114.4	1105.5	1043.7	1029.5	1038.3
50°	1056.1	1054.3	1041.9	1040.1	1041.9	1054.3	1056.1	1050.7	985.3	972.9	972.9
52.5°	988.8	988.8	990.5	994.1	990.5	988.8	988.8	990.5	932.2	919.8	916.3
55°	930.5	932.2	944.6	948.1	944.6	932.2	930.5	930.5	877.4	864.9	857.9
57.5°	870.3	870.3	879.1	879.1	879.1	870.3	870.3	866.7	815.5	804.9	801.3
60°	801.3	804.9	811.9	810.1	811.9	804.9	801.3	797.7	753.5	746.5	734.1
62.5°	728.7	732.3	734.1	730.5	734.1	732.3	728.7	718.2	691.6	686.3	670.4
65°	652.7	656.3	658.0	654.5	658.0	656.3	652.7	647.4	628.0	619.1	604.9
67.5°	574.8	573.2	571.4	578.4	571.4	573.2	574.8	567.8	555.4	548.3	528.9
70°	495.3	495.3	493.5	497.0	493.5	495.3	495.3	490.0	482.9	477.6	459.9
72.5°	410.3	408.6	415.7	410.3	415.7	408.6	410.3	408.6	405.1	399.8	382.0
75°	327.2	330.8	327.2	332.6	327.2	330.8	327.2	329.0	327.2	323.7	311.3
77.5°	249.4	253.0	249.4	249.4	249.4	253.0	249.4	251.2	251.2	251.2	240.6
80°	176.9	175.1	175.1	173.3	175.1	175.1	176.9	176.9	178.6	175.1	171.6
82.5°	113.2	111.4	111.4	115.0	111.4	111.4	113.2	115.0	111.4	111.4	111.4
85°	61.9	63.6	60.2	60.2	60.2	63.6	61.9	58.4	61.9	61.9	60.2
87.5°	23.0	21.2	21.2	21.2	21.2	21.2	23.0	24.7	24.7	24.7	26.5
90°	21.2	21.2	21.2	21.2	21.2	21.2	21.2	28.2	37.6	42.3	36.4
92.5°	105.8	101.6	84.7	67.9	84.7	101.6	105.8	150.0	208.9	238.3	209.2
95°	359.2	346.4	295.5	244.5	295.5	346.4	359.2	471.7	621.7	696.7	588.4
97.5°	829.2	805.0	707.9	610.9	707.9	805.0	829.2	900.4	995.2	1042.6	862.0
100°	1164.5	1135.6	1020.0	904.4	1020.0	1135.6	1164.5	1159.3	1152.4	1148.9	948.5
102.5°	1450.8	1426.0	1327.0	1228.0	1327.0	1426.0	1450.8	1360.2	1239.4	1179.0	975.8
105°	1784.9	1771.6	1718.4	1665.2	1718.4	1771.6	1784.9	1581.8	1311.1	1175.7	978.9
107.5°	1958.7	1961.9	1974.8	1987.7	1974.8	1961.9	1958.7	1675.4	1297.7	1108.8	935.3
110°	2003.2	2017.1	2072.6	2128.0	2072.6	2017.1	2003.2	1686.5	1264.2	1053.1	896.7



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1974.8	1996.1	2081.2	2166.4	2081.2	1996.1	1974.8	1650.7	1218.5	1002.4	863.0
115°	1878.5	1908.1	2026.1	2144.2	2026.1	1908.1	1878.5	1566.3	1149.9	941.7	824.2
117.5°	1745.3	1778.1	1909.0	2040.0	1909.0	1778.1	1745.3	1463.5	1087.8	899.9	800.1
120°	1655.7	1687.5	1814.8	1942.0	1814.8	1687.5	1655.7	1398.2	1054.9	883.2	791.9
122.5°	1566.0	1597.4	1722.9	1848.4	1722.9	1597.4	1566.0	1334.2	1025.1	870.5	787.6
125°	1447.5	1476.4	1591.9	1707.5	1591.9	1476.4	1447.5	1250.5	987.9	856.6	784.2
127.5°	1352.2	1376.6	1474.2	1571.6	1474.2	1376.6	1352.2	1183.1	957.6	844.9	782.1
130°	1292.1	1314.6	1404.7	1494.8	1404.7	1314.6	1292.1	1141.5	940.7	840.4	783.4
132.5°	1240.8	1261.0	1341.7	1422.4	1341.7	1261.0	1240.8	1106.0	926.4	836.5	784.2
135°	1168.4	1185.8	1255.4	1324.9	1255.4	1185.8	1168.4	1055.5	905.0	829.8	783.4
137.5°	1115.0	1129.2	1186.1	1243.1	1186.1	1129.2	1115.0	1019.6	892.4	828.7	788.3
140°	1072.0	1085.3	1138.6	1191.8	1138.6	1085.3	1072.0	989.6	879.8	824.8	789.0
142.5°	1042.0	1053.4	1099.3	1145.1	1099.3	1053.4	1042.0	969.6	873.1	824.8	791.8
145°	996.9	1005.5	1040.3	1074.9	1040.3	1005.5	996.9	937.7	858.7	819.2	791.9
147.5°	959.0	966.2	994.9	1023.7	994.9	966.2	959.0	912.4	850.3	819.2	797.3
150°	937.3	943.1	966.4	989.6	966.4	943.1	937.3	897.9	845.5	819.2	800.1
152.5°	920.0	924.4	942.0	959.6	942.0	924.4	920.0	886.5	841.7	819.2	802.0
155°	899.4	902.3	914.0	925.6	914.0	902.3	899.4	872.7	837.1	819.2	806.1
157.5°	881.6	883.7	891.8	899.9	891.8	883.7	881.6	860.8	833.1	819.2	810.2
160°	872.7	873.9	878.6	883.2	878.6	873.9	872.7	854.9	831.1	819.2	812.1
162.5°	864.3	865.4	869.9	874.3	869.9	865.4	864.3	849.3	829.2	819.2	814.1
165°	851.6	852.7	857.5	862.1	857.5	852.7	851.6	840.8	826.4	819.2	816.9
167.5°	845.9	846.5	848.4	850.4	848.4	846.5	845.9	838.9	829.5	824.8	822.8
170°	845.9	845.9	845.9	845.9	845.9	845.9	845.9	838.9	829.5	824.8	824.7
172.5°	841.5	841.0	839.3	837.6	839.3	841.0	841.5	835.9	828.5	824.8	824.8
175°	835.4	835.4	835.4	835.4	835.4	835.4	835.4	831.8	827.1	824.8	825.9
177.5°	834.2	833.7	831.7	829.8	831.7	833.7	834.2	831.5	827.8	825.9	826.8
180°	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1869.7	1869.7	1869.7	1869.7	1869.7
2.5°	1846.7	1855.6	1860.8	1867.9	1885.7
5°	1776.0	1809.6	1820.1	1846.7	1878.5
7.5°	1620.3	1722.8	1751.2	1814.9	1864.4
10°	1470.0	1572.5	1622.1	1772.4	1846.7
12.5°	1393.9	1454.0	1487.6	1698.1	1821.9
15°	1346.2	1388.6	1413.4	1599.0	1793.6
17.5°	1308.9	1339.0	1356.7	1501.7	1754.7
20°	1286.0	1300.1	1316.1	1431.0	1710.5
22.5°	1270.0	1261.2	1273.6	1381.5	1650.4
25°	1259.5	1225.8	1240.0	1342.6	1579.6
27.5°	1268.3	1194.0	1199.3	1307.2	1505.3
30°	1270.0	1155.1	1156.8	1270.0	1422.2
32.5°	1257.7	1114.4	1116.1	1224.0	1328.4
35°	1227.6	1066.6	1064.9	1171.0	1201.1
37.5°	1186.9	1015.4	1015.4	1112.7	1061.3
40°	1137.4	964.0	969.4	1036.6	937.5
42.5°	1077.2	909.2	916.3	935.7	845.5
45°	1011.8	856.1	861.5	790.7	774.8
47.5°	939.3	801.3	803.1	656.3	751.8
50°	852.6	744.7	737.7	562.5	750.0
52.5°	776.6	682.8	661.5	509.4	681.0
55°	702.2	617.3	571.4	468.7	631.5
57.5°	636.8	532.4	488.2	421.0	620.9
60°	576.6	449.3	415.7	369.7	569.6
62.5°	527.1	387.4	380.3	334.3	516.5
65°	474.1	344.9	343.1	304.2	438.7
67.5°	422.7	316.6	314.8	275.9	334.3
70°	367.9	286.5	283.0	245.9	247.6
72.5°	311.3	253.0	249.4	221.1	205.2
75°	254.8	214.1	212.3	192.8	166.3
77.5°	199.9	169.8	173.3	155.7	122.0
80°	143.3	123.8	127.4	111.4	91.9
82.5°	95.5	81.4	84.9	70.8	61.9
85°	53.1	46.0	47.8	37.1	28.3
87.5°	24.7	21.2	21.2	14.2	8.8
90°	24.5	15.6	14.5	10.0	5.5
92.5°	151.1	107.5	98.0	60.2	22.3
95°	371.9	209.4	192.1	122.7	53.5
97.5°	500.8	230.0	214.8	153.6	92.5
100°	547.8	247.3	233.4	178.0	122.6
102.5°	569.4	264.6	251.6	199.9	148.2
105°	585.4	290.2	279.2	235.4	191.6
107.5°	588.3	328.0	317.9	277.0	236.1
110°	583.9	349.2	340.0	303.0	266.2



TEST NUMBER: P935239

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	584.0	374.8	366.1	330.9	295.7
115°	589.4	413.2	405.1	372.7	340.3
117.5°	600.3	450.5	443.2	413.7	384.3
120°	609.3	472.3	465.3	437.7	409.9
122.5°	622.1	497.9	490.9	462.9	435.0
125°	639.4	530.8	524.4	498.9	473.4
127.5°	656.6	562.5	556.1	530.3	504.6
130°	669.3	583.7	576.7	549.1	521.3
132.5°	679.5	600.9	593.9	566.3	538.5
135°	690.6	621.0	614.7	589.4	564.1
137.5°	707.3	646.6	640.4	615.3	590.3
140°	717.5	663.8	658.1	635.1	612.1
142.5°	726.1	676.7	671.3	650.1	628.8
145°	737.2	696.2	691.5	672.9	654.4
147.5°	753.5	720.6	716.1	698.0	680.0
150°	762.0	733.5	729.4	713.0	696.7
152.5°	767.7	741.9	738.7	726.4	714.0
155°	779.9	760.2	757.8	748.7	739.6
157.5°	792.1	778.5	776.3	767.5	758.5
160°	797.7	786.9	785.2	778.3	771.3
162.5°	803.6	795.9	794.5	789.3	784.2
165°	812.2	808.6	807.5	802.7	798.1
167.5°	818.8	815.9	815.3	813.1	810.9
170°	824.4	824.2	823.7	821.5	819.2
172.5°	824.8	824.8	824.7	824.2	823.7
175°	828.1	829.8	829.8	829.8	829.8
177.5°	828.5	829.8	829.8	829.8	829.8
180°	829.8	829.8	829.8	829.8	829.8



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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	13.06	13.90	14.04	14.90	16.20	15.89	16.73	16.87	17.72	19.03
	3H	13.54	14.29	14.53	15.29	16.62	17.23	17.98	18.22	18.98	20.31
	4H	13.73	14.44	14.73	15.45	16.78	17.67	18.38	18.68	19.39	20.73
	6H	13.85	14.50	14.86	15.51	16.86	17.96	18.61	18.97	19.62	20.97
	8H	13.85	14.47	14.87	15.50	16.84	18.03	18.65	19.05	19.68	21.02
	12H	13.82	14.41	14.84	15.43	16.80	18.07	18.66	19.09	19.68	21.05
4H	2H	14.09	14.80	15.10	15.81	17.15	16.30	17.01	17.30	18.01	19.35
	3H	15.12	15.71	16.14	16.74	18.09	17.80	18.39	18.82	19.42	20.77
	4H	15.39	15.94	16.42	16.96	18.33	18.32	18.87	19.35	19.89	21.27
	6H	15.52	15.98	16.55	17.03	18.40	18.69	19.15	19.72	20.20	21.57
	8H	15.52	15.96	16.56	17.00	18.38	18.79	19.23	19.83	20.27	21.65
	12H	15.49	15.88	16.54	16.94	18.33	18.85	19.24	19.90	20.30	21.69
8H	4H	15.84	16.28	16.88	17.32	18.71	18.45	18.88	19.48	19.92	21.31
	6H	16.10	16.46	17.17	17.55	18.93	18.88	19.24	19.94	20.32	21.71
	8H	16.15	16.46	17.22	17.53	18.93	19.03	19.35	20.10	20.42	21.82
	12H	16.13	16.41	17.20	17.47	18.91	19.13	19.41	20.20	20.47	21.91
12H	4H	15.85	16.24	16.90	17.30	18.69	18.41	18.80	19.47	19.86	21.25
	6H	16.16	16.48	17.23	17.55	18.95	18.88	19.19	19.95	20.26	21.66
	8H	16.23	16.51	17.30	17.57	19.02	19.04	19.31	20.11	20.38	21.82