

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: P936039

Luminaire Tested: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-6-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936039
REPORT IS A COMBINATION OF REPORTS P933779 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-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: -

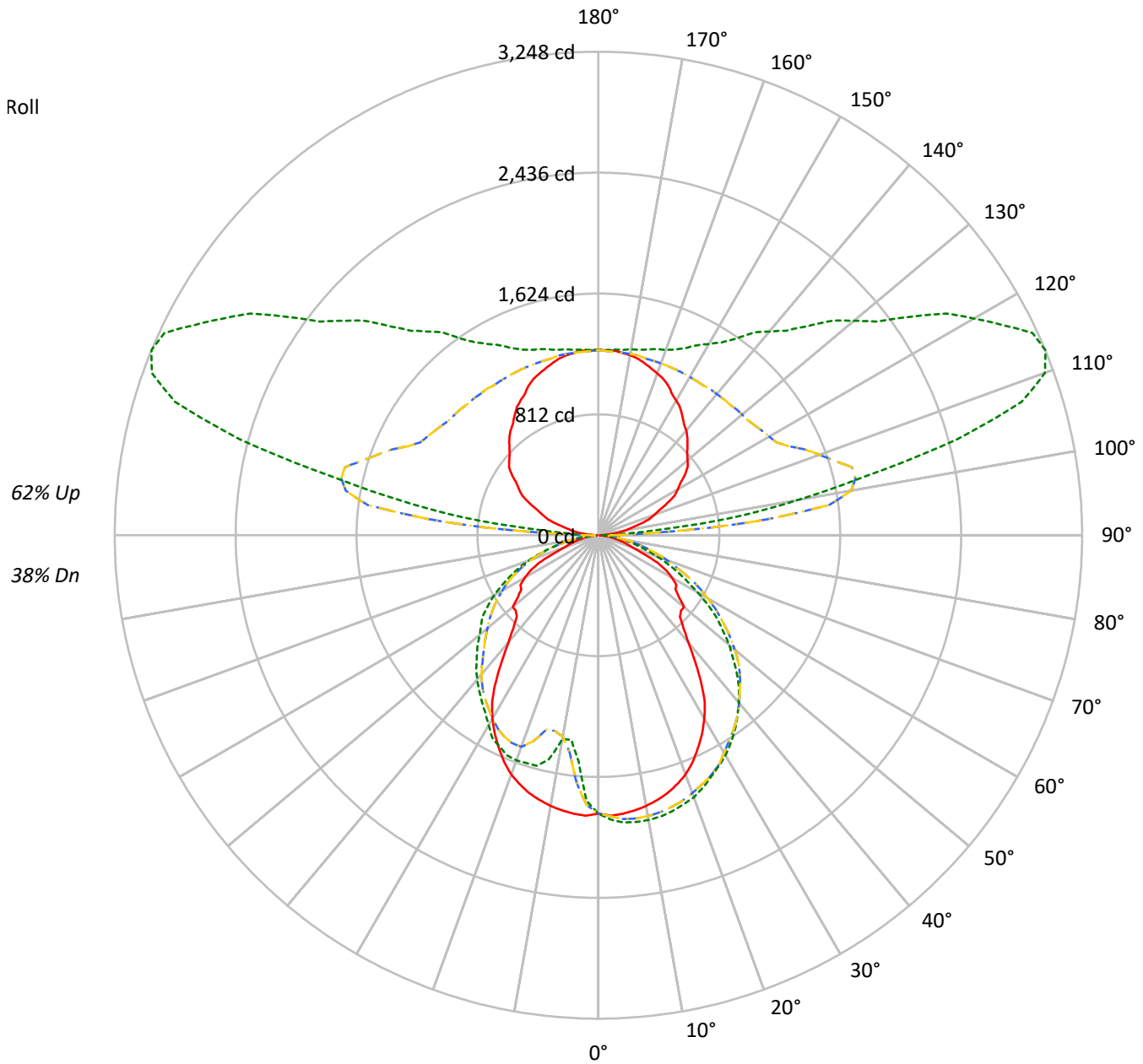
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12918.9 lumens
Efficiency: N/A
Efficacy: 119.0 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: Semi-Indirect

Input Watts (W): 108.6
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	50	30	10	0		
RCR																										
0	104	104	104	104	94	94	94	94	76	76	76	60	60	60	45	45	45	38					38			
1	95	91	87	84	86	83	79	76	67	65	63	53	51	50	40	39	38	32					32			
2	87	79	73	68	78	72	67	63	59	55	52	46	44	42	35	33	32	27					27			
3	79	70	62	57	71	63	57	52	52	47	44	41	38	35	31	29	27	23					23			
4	72	62	54	48	65	56	49	44	46	41	37	36	33	30	28	25	23	19					19			
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17					17			
6	61	49	41	35	55	45	38	33	37	32	28	29	26	23	22	20	18	15					15			
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	20	18	16	13					13			
8	52	40	32	27	47	37	30	25	30	25	21	24	21	18	19	16	14	12					12			
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	10					10			
10	45	33	26	21	41	31	24	20	25	21	17	21	17	14	16	13	11	9					9			

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	1.3
10°-20°	479.2	3.7
20°-30°	740.8	5.7
30°-40°	884.3	6.8
40°-50°	889.5	6.9
50°-60°	774.0	6.0
60°-70°	548.7	4.2
70°-80°	290.3	2.2
80°-90°	77.1	0.6
90°-100°	606.5	4.7
100°-110°	1594.6	12.3
110°-120°	1653.4	12.8
120°-130°	1326.3	10.3
130°-140°	1040.6	8.1
140°-150°	798.7	6.2
150°-160°	575.2	4.5
160°-170°	352.0	2.7
170°-180°	118.9	0.9
0°-30°	1388.7	10.7
0°-40°	2273.0	17.6
0°-60°	3936.4	30.5
0°-90°	4852.6	37.6
90°-120°	3854.6	29.8
90°-150°	7020.2	54.3
90°-180°	8066.0	62.4
0°-180°	12918.9	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°	8	32	8	32	8	8
95°	80	367	80	367	80	89
105°	287	2497	287	2497	287	305
115°	510	3215	510	3215	510	504
125°	710	2560	710	2560	710	630
135°	846	1987	846	1987	846	655
145°	981	1612	981	1612	981	615
155°	1109	1388	1109	1388	1109	510
165°	1197	1293	1197	1293	1197	338
175°	1244	1253	1244	1253	1244	118
180°	1244	1244	1244	1244	1244	



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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°	8.4	15.1	21.7	23.4	36.8	54.5	63.5	56.4	42.3	31.8	31.8
92.5°	33.4	90.2	147.0	161.2	226.6	313.8	357.4	313.2	224.9	158.7	152.4
95°	80.2	184.1	288.0	314.0	557.6	882.4	1044.7	932.3	707.3	538.6	519.5
97.5°	138.6	230.3	322.0	344.9	751.1	1292.6	1563.3	1492.3	1350.1	1243.5	1207.1
100°	183.7	266.9	350.0	370.8	821.5	1422.4	1722.8	1728.0	1738.5	1746.2	1702.9
102.5°	222.2	299.7	377.3	396.7	853.8	1463.2	1767.9	1858.4	2039.5	2175.4	2138.3
105°	287.2	352.9	418.6	435.1	877.7	1467.8	1762.9	1965.9	2372.0	2676.5	2656.5
107.5°	354.1	415.3	476.6	491.8	882.1	1402.5	1662.7	1945.9	2512.3	2937.1	2941.9
110°	399.2	454.5	509.8	523.6	875.5	1344.6	1579.1	1895.7	2529.0	3003.8	3024.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	443.5	496.1	548.8	562.0	875.7	1294.0	1503.2	1827.2	2475.2	2961.3	2993.2
115°	510.2	558.9	607.5	619.7	883.8	1236.0	1412.1	1724.3	2348.6	2816.8	2861.0
117.5°	576.2	620.4	664.6	675.6	900.3	1199.8	1349.6	1631.3	2194.6	2617.2	2666.3
120°	614.7	656.3	697.9	708.2	913.6	1187.5	1324.5	1581.9	2096.7	2482.7	2530.4
122.5°	652.2	694.2	736.1	746.6	932.8	1181.1	1305.3	1537.1	2000.6	2348.3	2395.3
125°	709.8	748.0	786.3	795.9	958.7	1175.8	1284.4	1481.3	1875.0	2170.4	2213.7
127.5°	756.6	795.1	833.8	843.4	984.6	1172.7	1266.8	1435.9	1774.0	2027.6	2064.2
130°	781.7	823.3	864.9	875.2	1003.6	1174.7	1260.2	1410.7	1711.7	1937.4	1971.2
132.5°	807.6	849.1	890.7	901.1	1018.8	1175.8	1254.3	1389.0	1658.5	1860.6	1890.8
135°	845.9	883.8	921.7	931.2	1035.5	1174.7	1244.3	1357.1	1582.8	1752.0	1778.1
137.5°	885.2	922.7	960.2	969.6	1060.6	1181.9	1242.6	1338.0	1528.8	1671.9	1693.2
140°	917.8	952.3	986.8	995.4	1075.9	1183.2	1236.8	1319.2	1484.0	1607.6	1627.5
142.5°	942.8	974.7	1006.7	1014.6	1088.7	1187.5	1236.8	1309.2	1453.9	1562.4	1579.6
145°	981.3	1009.1	1037.0	1043.9	1105.4	1187.5	1228.4	1287.6	1406.1	1494.9	1507.8
147.5°	1019.6	1046.8	1073.8	1080.6	1129.9	1195.6	1228.4	1275.0	1368.1	1438.0	1448.8
150°	1044.7	1069.2	1093.6	1099.8	1142.6	1199.9	1228.4	1267.8	1346.4	1405.4	1414.2
152.5°	1070.6	1089.2	1107.7	1112.4	1151.0	1202.6	1228.4	1262.0	1329.2	1379.5	1386.1
155°	1109.0	1122.7	1136.5	1139.9	1169.4	1208.8	1228.4	1255.1	1308.6	1348.7	1353.0
157.5°	1137.4	1150.8	1164.2	1167.5	1187.8	1214.9	1228.4	1249.2	1290.8	1322.0	1325.0
160°	1156.7	1167.0	1177.4	1180.0	1196.1	1217.6	1228.4	1246.3	1281.9	1308.6	1310.4
162.5°	1175.8	1183.6	1191.4	1193.3	1205.0	1220.7	1228.4	1243.4	1273.5	1296.1	1297.8
165°	1196.7	1203.8	1210.7	1212.5	1217.8	1224.9	1228.4	1239.2	1260.7	1276.9	1278.7
167.5°	1215.9	1219.2	1222.6	1223.4	1227.9	1233.9	1236.8	1243.9	1258.0	1268.5	1269.2
170°	1228.4	1231.7	1235.1	1235.9	1236.2	1236.6	1236.8	1243.9	1258.0	1268.5	1268.5
172.5°	1235.1	1235.8	1236.6	1236.8	1236.8	1236.8	1236.8	1242.3	1253.5	1261.8	1261.2
175°	1244.3	1244.3	1244.3	1244.3	1241.8	1238.5	1236.8	1240.3	1247.3	1252.6	1252.6
177.5°	1244.3	1244.3	1244.3	1244.3	1242.3	1239.8	1238.4	1241.2	1246.8	1251.0	1250.3
180°	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3



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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°	31.8	31.8	31.8	31.8	31.8	42.3	56.4	63.5	54.5	36.8	23.4
92.5°	127.1	101.8	127.1	152.4	158.7	224.9	313.2	357.4	313.8	226.6	161.2
95°	443.0	366.6	443.0	519.5	538.6	707.3	932.3	1044.7	882.4	557.6	314.0
97.5°	1061.6	916.1	1061.6	1207.1	1243.5	1350.1	1492.3	1563.3	1292.6	751.1	344.9
100°	1529.6	1356.2	1529.6	1702.9	1746.2	1738.5	1728.0	1722.8	1422.4	821.5	370.8
102.5°	1989.8	1841.4	1989.8	2138.3	2175.4	2039.5	1858.4	1767.9	1463.2	853.8	396.7
105°	2576.7	2496.9	2576.7	2656.5	2676.5	2372.0	1965.9	1762.9	1467.8	877.7	435.1
107.5°	2961.2	2980.5	2961.2	2941.9	2937.1	2512.3	1945.9	1662.7	1402.5	882.1	491.8
110°	3107.7	3190.9	3107.7	3024.6	3003.8	2529.0	1895.7	1579.1	1344.6	875.5	523.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3120.9	3248.5	3120.9	2993.2	2961.3	2475.2	1827.2	1503.2	1294.0	875.7	562.0
115°	3038.0	3215.1	3038.0	2861.0	2816.8	2348.6	1724.3	1412.1	1236.0	883.8	619.7
117.5°	2862.6	3059.0	2862.6	2666.3	2617.2	2194.6	1631.3	1349.6	1199.8	900.3	675.6
120°	2721.2	2912.0	2721.2	2530.4	2482.7	2096.7	1581.9	1324.5	1187.5	913.6	708.2
122.5°	2583.5	2771.7	2583.5	2395.3	2348.3	2000.6	1537.1	1305.3	1181.1	932.8	746.6
125°	2387.0	2560.4	2387.0	2213.7	2170.4	1875.0	1481.3	1284.4	1175.8	958.7	795.9
127.5°	2210.4	2356.7	2210.4	2064.2	2027.6	1774.0	1435.9	1266.8	1172.7	984.6	843.4
130°	2106.3	2241.4	2106.3	1971.2	1937.4	1711.7	1410.7	1260.2	1174.7	1003.6	875.2
132.5°	2011.8	2132.8	2011.8	1890.8	1860.6	1658.5	1389.0	1254.3	1175.8	1018.8	901.1
135°	1882.4	1986.7	1882.4	1778.1	1752.0	1582.8	1357.1	1244.3	1174.7	1035.5	931.2
137.5°	1778.6	1864.0	1778.6	1693.2	1671.9	1528.8	1338.0	1242.6	1181.9	1060.6	969.6
140°	1707.3	1787.1	1707.3	1627.5	1607.6	1484.0	1319.2	1236.8	1183.2	1075.9	995.4
142.5°	1648.3	1717.0	1648.3	1579.6	1562.4	1453.9	1309.2	1236.8	1187.5	1088.7	1014.6
145°	1559.8	1611.7	1559.8	1507.8	1494.9	1406.1	1287.6	1228.4	1187.5	1105.4	1043.9
147.5°	1491.8	1534.9	1491.8	1448.8	1438.0	1368.1	1275.0	1228.4	1195.6	1129.9	1080.6
150°	1449.1	1484.0	1449.1	1414.2	1405.4	1346.4	1267.8	1228.4	1199.9	1142.6	1099.8
152.5°	1412.5	1438.9	1412.5	1386.1	1379.5	1329.2	1262.0	1228.4	1202.6	1151.0	1112.4
155°	1370.4	1387.9	1370.4	1353.0	1348.7	1308.6	1255.1	1228.4	1208.8	1169.4	1139.9
157.5°	1337.3	1349.6	1337.3	1325.0	1322.0	1290.8	1249.2	1228.4	1214.9	1187.8	1167.5
160°	1317.4	1324.5	1317.4	1310.4	1308.6	1281.9	1246.3	1228.4	1217.6	1196.1	1180.0
162.5°	1304.4	1311.1	1304.4	1297.8	1296.1	1273.5	1243.4	1228.4	1220.7	1205.0	1193.3
165°	1285.6	1292.7	1285.6	1278.7	1276.9	1260.7	1239.2	1228.4	1224.9	1217.8	1212.5
167.5°	1272.3	1275.2	1272.3	1269.2	1268.5	1258.0	1243.9	1236.8	1233.9	1227.9	1223.4
170°	1268.5	1268.5	1268.5	1268.5	1268.5	1258.0	1243.9	1236.8	1236.6	1236.2	1235.9
172.5°	1258.6	1256.0	1258.6	1261.2	1261.8	1253.5	1242.3	1236.8	1236.8	1236.8	1236.8
175°	1252.6	1252.6	1252.6	1252.6	1252.6	1247.3	1240.3	1236.8	1238.5	1241.8	1244.3
177.5°	1247.3	1244.3	1247.3	1250.3	1251.0	1246.8	1241.2	1238.4	1239.8	1242.3	1244.3
180°	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3



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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°	21.7	15.1	8.4	15.1	21.7	23.4	36.8	54.5	63.5	56.4	42.3
92.5°	147.0	90.2	33.4	90.2	147.0	161.2	226.6	313.8	357.4	313.2	224.9
95°	288.0	184.1	80.2	184.1	288.0	314.0	557.6	882.4	1044.7	932.3	707.3
97.5°	322.0	230.3	138.6	230.3	322.0	344.9	751.1	1292.6	1563.3	1492.3	1350.1
100°	350.0	266.9	183.7	266.9	350.0	370.8	821.5	1422.4	1722.8	1728.0	1738.5
102.5°	377.3	299.7	222.2	299.7	377.3	396.7	853.8	1463.2	1767.9	1858.4	2039.5
105°	418.6	352.9	287.2	352.9	418.6	435.1	877.7	1467.8	1762.9	1965.9	2372.0
107.5°	476.6	415.3	354.1	415.3	476.6	491.8	882.1	1402.5	1662.7	1945.9	2512.3
110°	509.8	454.5	399.2	454.5	509.8	523.6	875.5	1344.6	1579.1	1895.7	2529.0



TEST NUMBER: P936039

CATALOG NUMBER: SQ4-FA-150U-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°	548.8	496.1	443.5	496.1	548.8	562.0	875.7	1294.0	1503.2	1827.2	2475.2
115°	607.5	558.9	510.2	558.9	607.5	619.7	883.8	1236.0	1412.1	1724.3	2348.6
117.5°	664.6	620.4	576.2	620.4	664.6	675.6	900.3	1199.8	1349.6	1631.3	2194.6
120°	697.9	656.3	614.7	656.3	697.9	708.2	913.6	1187.5	1324.5	1581.9	2096.7
122.5°	736.1	694.2	652.2	694.2	736.1	746.6	932.8	1181.1	1305.3	1537.1	2000.6
125°	786.3	748.0	709.8	748.0	786.3	795.9	958.7	1175.8	1284.4	1481.3	1875.0
127.5°	833.8	795.1	756.6	795.1	833.8	843.4	984.6	1172.7	1266.8	1435.9	1774.0
130°	864.9	823.3	781.7	823.3	864.9	875.2	1003.6	1174.7	1260.2	1410.7	1711.7
132.5°	890.7	849.1	807.6	849.1	890.7	901.1	1018.8	1175.8	1254.3	1389.0	1658.5
135°	921.7	883.8	845.9	883.8	921.7	931.2	1035.5	1174.7	1244.3	1357.1	1582.8
137.5°	960.2	922.7	885.2	922.7	960.2	969.6	1060.6	1181.9	1242.6	1338.0	1528.8
140°	986.8	952.3	917.8	952.3	986.8	995.4	1075.9	1183.2	1236.8	1319.2	1484.0
142.5°	1006.7	974.7	942.8	974.7	1006.7	1014.6	1088.7	1187.5	1236.8	1309.2	1453.9
145°	1037.0	1009.1	981.3	1009.1	1037.0	1043.9	1105.4	1187.5	1228.4	1287.6	1406.1
147.5°	1073.8	1046.8	1019.6	1046.8	1073.8	1080.6	1129.9	1195.6	1228.4	1275.0	1368.1
150°	1093.6	1069.2	1044.7	1069.2	1093.6	1099.8	1142.6	1199.9	1228.4	1267.8	1346.4
152.5°	1107.7	1089.2	1070.6	1089.2	1107.7	1112.4	1151.0	1202.6	1228.4	1262.0	1329.2
155°	1136.5	1122.7	1109.0	1122.7	1136.5	1139.9	1169.4	1208.8	1228.4	1255.1	1308.6
157.5°	1164.2	1150.8	1137.4	1150.8	1164.2	1167.5	1187.8	1214.9	1228.4	1249.2	1290.8
160°	1177.4	1167.0	1156.7	1167.0	1177.4	1180.0	1196.1	1217.6	1228.4	1246.3	1281.9
162.5°	1191.4	1183.6	1175.8	1183.6	1191.4	1193.3	1205.0	1220.7	1228.4	1243.4	1273.5
165°	1210.7	1203.8	1196.7	1203.8	1210.7	1212.5	1217.8	1224.9	1228.4	1239.2	1260.7
167.5°	1222.6	1219.2	1215.9	1219.2	1222.6	1223.4	1227.9	1233.9	1236.8	1243.9	1258.0
170°	1235.1	1231.7	1228.4	1231.7	1235.1	1235.9	1236.2	1236.6	1236.8	1243.9	1258.0
172.5°	1236.6	1235.8	1235.1	1235.8	1236.6	1236.8	1236.8	1236.8	1236.8	1242.3	1253.5
175°	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1241.8	1238.5	1236.8	1240.3	1247.3
177.5°	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1242.3	1239.8	1238.4	1241.2	1246.8
180°	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3



TEST NUMBER: P936039

CATALOG NUMBER: SQ4-FA-150U-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°	31.8	31.8	31.8	31.8	31.8	31.8	31.8	42.3	56.4	63.5	54.5
92.5°	158.7	152.4	127.1	101.8	127.1	152.4	158.7	224.9	313.2	357.4	313.8
95°	538.6	519.5	443.0	366.6	443.0	519.5	538.6	707.3	932.3	1044.7	882.4
97.5°	1243.5	1207.1	1061.6	916.1	1061.6	1207.1	1243.5	1350.1	1492.3	1563.3	1292.6
100°	1746.2	1702.9	1529.6	1356.2	1529.6	1702.9	1746.2	1738.5	1728.0	1722.8	1422.4
102.5°	2175.4	2138.3	1989.8	1841.4	1989.8	2138.3	2175.4	2039.5	1858.4	1767.9	1463.2
105°	2676.5	2656.5	2576.7	2496.9	2576.7	2656.5	2676.5	2372.0	1965.9	1762.9	1467.8
107.5°	2937.1	2941.9	2961.2	2980.5	2961.2	2941.9	2937.1	2512.3	1945.9	1662.7	1402.5
110°	3003.8	3024.6	3107.7	3190.9	3107.7	3024.6	3003.8	2529.0	1895.7	1579.1	1344.6



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2961.3	2993.2	3120.9	3248.5	3120.9	2993.2	2961.3	2475.2	1827.2	1503.2	1294.0
115°	2816.8	2861.0	3038.0	3215.1	3038.0	2861.0	2816.8	2348.6	1724.3	1412.1	1236.0
117.5°	2617.2	2666.3	2862.6	3059.0	2862.6	2666.3	2617.2	2194.6	1631.3	1349.6	1199.8
120°	2482.7	2530.4	2721.2	2912.0	2721.2	2530.4	2482.7	2096.7	1581.9	1324.5	1187.5
122.5°	2348.3	2395.3	2583.5	2771.7	2583.5	2395.3	2348.3	2000.6	1537.1	1305.3	1181.1
125°	2170.4	2213.7	2387.0	2560.4	2387.0	2213.7	2170.4	1875.0	1481.3	1284.4	1175.8
127.5°	2027.6	2064.2	2210.4	2356.7	2210.4	2064.2	2027.6	1774.0	1435.9	1266.8	1172.7
130°	1937.4	1971.2	2106.3	2241.4	2106.3	1971.2	1937.4	1711.7	1410.7	1260.2	1174.7
132.5°	1860.6	1890.8	2011.8	2132.8	2011.8	1890.8	1860.6	1658.5	1389.0	1254.3	1175.8
135°	1752.0	1778.1	1882.4	1986.7	1882.4	1778.1	1752.0	1582.8	1357.1	1244.3	1174.7
137.5°	1671.9	1693.2	1778.6	1864.0	1778.6	1693.2	1671.9	1528.8	1338.0	1242.6	1181.9
140°	1607.6	1627.5	1707.3	1787.1	1707.3	1627.5	1607.6	1484.0	1319.2	1236.8	1183.2
142.5°	1562.4	1579.6	1648.3	1717.0	1648.3	1579.6	1562.4	1453.9	1309.2	1236.8	1187.5
145°	1494.9	1507.8	1559.8	1611.7	1559.8	1507.8	1494.9	1406.1	1287.6	1228.4	1187.5
147.5°	1438.0	1448.8	1491.8	1534.9	1491.8	1448.8	1438.0	1368.1	1275.0	1228.4	1195.6
150°	1405.4	1414.2	1449.1	1484.0	1449.1	1414.2	1405.4	1346.4	1267.8	1228.4	1199.9
152.5°	1379.5	1386.1	1412.5	1438.9	1412.5	1386.1	1379.5	1329.2	1262.0	1228.4	1202.6
155°	1348.7	1353.0	1370.4	1387.9	1370.4	1353.0	1348.7	1308.6	1255.1	1228.4	1208.8
157.5°	1322.0	1325.0	1337.3	1349.6	1337.3	1325.0	1322.0	1290.8	1249.2	1228.4	1214.9
160°	1308.6	1310.4	1317.4	1324.5	1317.4	1310.4	1308.6	1281.9	1246.3	1228.4	1217.6
162.5°	1296.1	1297.8	1304.4	1311.1	1304.4	1297.8	1296.1	1273.5	1243.4	1228.4	1220.7
165°	1276.9	1278.7	1285.6	1292.7	1285.6	1278.7	1276.9	1260.7	1239.2	1228.4	1224.9
167.5°	1268.5	1269.2	1272.3	1275.2	1272.3	1269.2	1268.5	1258.0	1243.9	1236.8	1233.9
170°	1268.5	1268.5	1268.5	1268.5	1268.5	1268.5	1268.5	1258.0	1243.9	1236.8	1236.6
172.5°	1261.8	1261.2	1258.6	1256.0	1258.6	1261.2	1261.8	1253.5	1242.3	1236.8	1236.8
175°	1252.6	1252.6	1252.6	1252.6	1252.6	1252.6	1252.6	1247.3	1240.3	1236.8	1238.5
177.5°	1251.0	1250.3	1247.3	1244.3	1247.3	1250.3	1251.0	1246.8	1241.2	1238.4	1239.8
180°	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3



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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°	36.8	23.4	21.7	15.1	8.4
92.5°	226.6	161.2	147.0	90.2	33.4
95°	557.6	314.0	288.0	184.1	80.2
97.5°	751.1	344.9	322.0	230.3	138.6
100°	821.5	370.8	350.0	266.9	183.7
102.5°	853.8	396.7	377.3	299.7	222.2
105°	877.7	435.1	418.6	352.9	287.2
107.5°	882.1	491.8	476.6	415.3	354.1
110°	875.5	523.6	509.8	454.5	399.2



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CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	875.7	562.0	548.8	496.1	443.5
115°	883.8	619.7	607.5	558.9	510.2
117.5°	900.3	675.6	664.6	620.4	576.2
120°	913.6	708.2	697.9	656.3	614.7
122.5°	932.8	746.6	736.1	694.2	652.2
125°	958.7	795.9	786.3	748.0	709.8
127.5°	984.6	843.4	833.8	795.1	756.6
130°	1003.6	875.2	864.9	823.3	781.7
132.5°	1018.8	901.1	890.7	849.1	807.6
135°	1035.5	931.2	921.7	883.8	845.9
137.5°	1060.6	969.6	960.2	922.7	885.2
140°	1075.9	995.4	986.8	952.3	917.8
142.5°	1088.7	1014.6	1006.7	974.7	942.8
145°	1105.4	1043.9	1037.0	1009.1	981.3
147.5°	1129.9	1080.6	1073.8	1046.8	1019.6
150°	1142.6	1099.8	1093.6	1069.2	1044.7
152.5°	1151.0	1112.4	1107.7	1089.2	1070.6
155°	1169.4	1139.9	1136.5	1122.7	1109.0
157.5°	1187.8	1167.5	1164.2	1150.8	1137.4
160°	1196.1	1180.0	1177.4	1167.0	1156.7
162.5°	1205.0	1193.3	1191.4	1183.6	1175.8
165°	1217.8	1212.5	1210.7	1203.8	1196.7
167.5°	1227.9	1223.4	1222.6	1219.2	1215.9
170°	1236.2	1235.9	1235.1	1231.7	1228.4
172.5°	1236.8	1236.8	1236.6	1235.8	1235.1
175°	1241.8	1244.3	1244.3	1244.3	1244.3
177.5°	1242.3	1244.3	1244.3	1244.3	1244.3
180°	1244.3	1244.3	1244.3	1244.3	1244.3



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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	12.04	12.80	13.09	13.86	15.29	14.86	15.62	15.92	16.68	18.12
	3H	12.50	13.18	13.57	14.25	15.71	16.20	16.88	17.26	17.95	19.40
	4H	12.69	13.34	13.77	14.41	15.87	16.63	17.28	17.71	18.35	19.81
	6H	12.80	13.40	13.89	14.47	15.95	16.91	17.51	18.00	18.58	20.06
	8H	12.80	13.37	13.89	14.46	15.93	16.98	17.55	18.07	18.64	20.11
	12H	12.77	13.31	13.87	14.39	15.88	17.02	17.55	18.11	18.64	20.13
4H	2H	13.05	13.70	14.14	14.77	16.23	15.26	15.90	16.34	16.97	18.44
	3H	14.07	14.61	15.16	15.71	17.18	16.75	17.29	17.84	18.39	19.86
	4H	14.34	14.84	15.44	15.92	17.42	17.27	17.77	18.37	18.86	20.35
	6H	14.46	14.89	15.57	16.00	17.49	17.63	18.05	18.74	19.17	20.66
	8H	14.47	14.86	15.57	15.96	17.47	17.74	18.13	18.84	19.23	20.74
	12H	14.43	14.79	15.55	15.90	17.41	17.79	18.14	18.91	19.26	20.77
8H	4H	14.79	15.18	15.89	16.29	17.79	17.39	17.79	18.50	18.89	20.40
	6H	15.05	15.37	16.17	16.52	18.02	17.82	18.15	18.95	19.29	20.80
	8H	15.09	15.37	16.22	16.50	18.02	17.97	18.26	19.10	19.38	20.91
	12H	15.07	15.32	16.20	16.44	18.00	18.06	18.31	19.20	19.44	21.00
12H	4H	14.79	15.15	15.91	16.26	17.77	17.35	17.71	18.47	18.82	20.34
	6H	15.10	15.39	16.24	16.52	18.04	17.82	18.10	18.95	19.23	20.75
	8H	15.17	15.42	16.30	16.54	18.10	17.97	18.22	19.11	19.35	20.91