

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: P935240

Luminaire Tested: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-6-4000K

Issue Date: 12/17/2024

**Test Information**

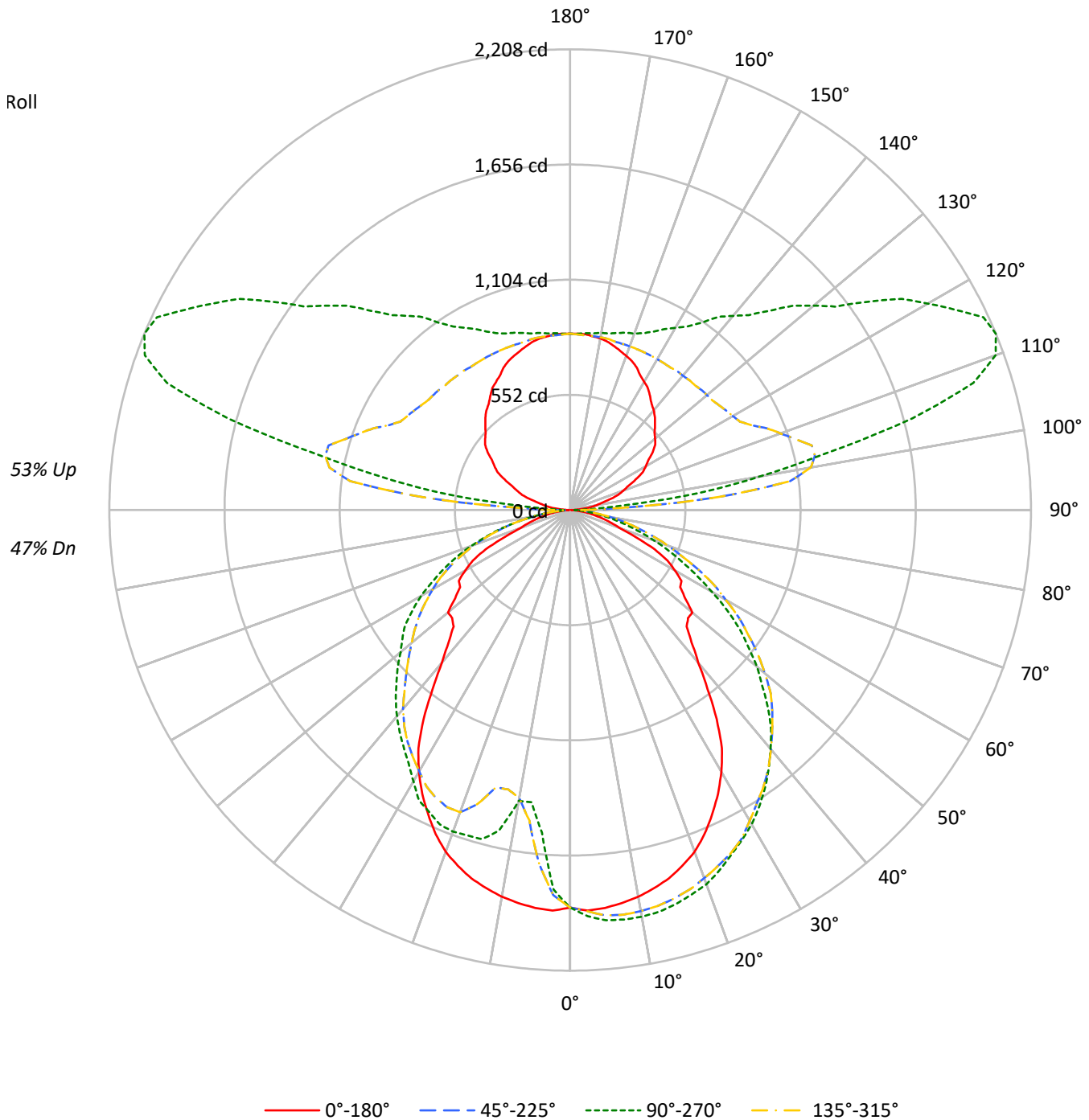
Test Method: LM-79-2019  
Report Number: P935240  
REPORT IS A COMBINATION OF REPORTS P933747 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-6-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10425.3 lumens  
Efficiency: N/A  
Efficacy: 119.8 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





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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°	11786	11786	11786	11786
5°	11870	11898	11870	9355
10°	11787	11721	11787	8379
15°	11654	11466	11654	9575
20°	11406	11166	11406	9594
25°	10903	10727	10903	9391
30°	10254	10362	10254	8945
35°	9137	9902	9137	8454
40°	7609	9360	7609	8084
45°	6795	8725	6795	7657
50°	7212	7967	7212	7229
55°	6780	7151	6780	6982
60°	6979	6074	6979	6395
65°	6319	5020	6319	5612
70°	4364	4001	4364	4704
75°	3814	2958	3814	3542
80°	3050	1956	3050	2130
85°	1717	1036	1717	881

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10420 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	172.0	1.6
10°-20°	488.3	4.7
20°-30°	754.9	7.2
30°-40°	901.2	8.6
40°-50°	906.4	8.7
50°-60°	788.7	7.6
60°-70°	559.2	5.4
70°-80°	295.9	2.8
80°-90°	76.9	0.7
90°-100°	412.2	4.0
100°-110°	1083.7	10.4
110°-120°	1123.7	10.8
120°-130°	901.3	8.6
130°-140°	707.2	6.8
140°-150°	542.8	5.2
150°-160°	390.9	3.7
160°-170°	239.2	2.3
170°-180°	80.8	0.8
0°-30°	1415.2	13.6
0°-40°	2316.3	22.2
0°-60°	4011.5	38.5
0°-90°	4943.5	47.4
90°-120°	2619.6	25.1
90°-150°	4771.0	45.8
90°-180°	5482.0	52.6
0°-180°	10425.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1905	1905	1905	1905	1905	
5°	1914	1974	1914	1552	1914	182
15°	1828	1956	1828	1633	1828	514
25°	1610	1824	1610	1597	1610	739
35°	1224	1628	1224	1390	1224	757
45°	790	1341	790	1177	790	632
55°	644	990	644	966	644	591
65°	447	597	447	667	447	427
75°	170	283	170	339	170	178
85°	29	72	29	61	29	39
90°	6	22	6	22	6	6
95°	54	249	54	249	54	61
105°	195	1697	195	1697	195	207
115°	347	2185	347	2185	347	343
125°	482	1740	482	1740	482	428
135°	575	1350	575	1350	575	445
145°	667	1095	667	1095	667	418
155°	754	943	754	943	754	346
165°	813	878	813	878	813	230
175°	846	851	846	851	846	80
180°	846	846	846	846	846	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1905.3	1905.3	1905.3	1905.3	1905.3	1905.3	1905.3	1905.3	1905.3	1905.3	1905.3
2.5°	1921.6	1921.6	1932.4	1936.0	1936.0	1930.6	1925.2	1930.6	1946.8	1952.3	1950.4
5°	1914.3	1928.8	1948.6	1952.3	1955.8	1954.0	1950.4	1954.0	1972.0	1975.6	1977.5
7.5°	1900.0	1927.0	1952.3	1957.6	1963.0	1957.6	1955.8	1959.4	1977.5	1981.1	1981.1
10°	1881.9	1919.8	1948.6	1952.3	1957.6	1952.3	1952.3	1959.4	1977.5	1981.1	1982.8
12.5°	1856.7	1909.0	1936.0	1939.6	1946.8	1945.0	1943.2	1950.4	1968.5	1972.0	1972.0
15°	1827.8	1889.1	1914.3	1918.0	1930.6	1927.0	1927.0	1934.2	1954.0	1959.4	1957.6
17.5°	1788.2	1863.8	1892.8	1898.1	1907.1	1905.3	1907.1	1914.3	1932.4	1936.0	1937.8
20°	1743.1	1829.6	1863.8	1869.3	1878.3	1878.3	1878.3	1887.3	1905.3	1912.6	1912.6
22.5°	1681.8	1793.6	1829.6	1833.3	1844.1	1844.1	1847.7	1860.3	1876.5	1878.3	1878.3
25°	1609.7	1754.0	1784.6	1795.4	1806.2	1811.6	1817.0	1824.3	1829.6	1827.8	1829.6
27.5°	1534.0	1703.5	1743.1	1750.3	1764.8	1770.2	1777.3	1779.2	1781.0	1786.3	1782.8
30°	1449.3	1633.2	1692.7	1699.8	1723.3	1726.9	1719.7	1723.3	1732.3	1736.0	1739.5
32.5°	1353.7	1528.6	1640.3	1656.6	1678.2	1667.4	1665.6	1671.0	1685.5	1685.5	1689.0
35°	1224.0	1447.5	1591.7	1606.1	1622.3	1609.7	1617.0	1618.7	1627.7	1633.2	1631.3
37.5°	1081.6	1377.2	1541.2	1552.0	1564.7	1548.5	1559.2	1564.7	1571.9	1568.3	1568.3
40°	955.4	1267.2	1481.7	1489.0	1499.8	1487.2	1498.0	1501.5	1505.2	1501.5	1499.8
42.5°	861.6	1146.4	1418.7	1427.7	1420.5	1429.5	1433.0	1440.3	1434.9	1427.7	1427.7
45°	789.6	1114.0	1350.2	1361.0	1350.2	1364.5	1370.0	1370.0	1353.7	1350.2	1348.4
47.5°	766.1	1049.1	1281.7	1281.7	1276.2	1294.2	1303.2	1290.7	1274.4	1269.0	1269.0
50°	764.3	977.0	1187.9	1180.7	1205.9	1227.6	1218.5	1205.9	1193.4	1173.5	1173.5
52.5°	694.0	888.7	1067.1	1094.2	1133.9	1146.4	1132.0	1119.4	1097.7	1088.7	1081.6
55°	643.6	796.8	957.2	1011.2	1052.7	1068.9	1041.9	1029.3	996.9	991.4	987.9
57.5°	632.7	663.4	856.2	924.7	975.2	973.4	957.2	933.7	906.7	901.3	899.5
60°	580.4	479.5	748.1	829.2	881.4	876.1	861.6	840.0	814.8	811.2	807.6
62.5°	526.3	347.9	625.5	717.4	791.4	789.6	776.9	744.4	726.4	717.4	710.2
65°	447.1	292.0	445.3	596.6	703.1	706.6	679.6	656.1	636.3	625.5	623.7
67.5°	340.7	238.0	301.0	497.5	618.3	614.7	580.4	569.6	544.4	539.0	528.1
70°	252.3	158.6	209.1	403.8	535.4	526.3	499.3	486.7	463.3	450.6	443.4
72.5°	209.1	128.0	153.2	313.6	450.6	439.8	416.4	402.0	382.1	371.3	364.1
75°	169.5	135.2	117.2	232.5	365.9	358.8	337.1	322.6	306.5	292.0	293.8
77.5°	124.3	126.2	93.7	171.3	290.2	279.4	266.8	248.8	241.5	227.1	227.1
80°	93.7	99.2	70.3	117.2	209.1	209.1	198.3	185.7	173.0	165.8	165.8
82.5°	63.1	63.1	52.3	73.9	142.4	137.0	129.8	126.2	119.0	115.3	115.3
85°	28.8	36.0	32.5	45.0	77.5	81.1	81.1	77.5	75.7	72.1	73.9
87.5°	9.0	16.2	19.8	25.2	39.7	41.5	43.3	43.3	43.3	45.0	45.0
90°	5.6	10.2	14.7	15.9	25.0	37.1	43.1	38.3	28.7	21.6	21.6
92.5°	22.7	61.3	99.9	109.5	154.0	213.2	242.9	212.9	152.8	107.8	103.5
95°	54.5	125.1	195.8	213.4	379.0	599.6	710.0	633.6	480.7	366.0	353.0
97.5°	94.2	156.5	218.9	234.4	510.4	878.4	1062.5	1014.2	917.6	845.1	820.3
100°	124.9	181.4	237.9	252.0	558.2	966.6	1170.8	1174.3	1181.4	1186.7	1157.2
102.5°	151.0	203.8	256.4	269.6	580.3	994.4	1201.4	1263.0	1386.1	1478.4	1453.2
105°	195.2	239.9	284.5	295.7	596.5	997.6	1198.1	1336.1	1612.0	1818.9	1805.4
107.5°	240.6	282.3	323.9	334.3	599.5	953.1	1130.0	1322.4	1707.3	1996.0	1999.3
110°	271.3	308.8	346.5	355.8	595.0	913.8	1073.2	1288.3	1718.7	2041.4	2055.5



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	301.4	337.2	373.0	382.0	595.2	879.4	1021.5	1241.7	1682.2	2012.5	2034.1
115°	346.8	379.8	412.8	421.1	600.6	840.0	959.7	1171.8	1596.1	1914.3	1944.4
117.5°	391.6	421.6	451.6	459.1	611.7	815.3	917.1	1108.6	1491.4	1778.6	1812.0
120°	417.7	446.0	474.2	481.3	620.9	807.0	900.1	1075.0	1424.9	1687.3	1719.7
122.5°	443.3	471.7	500.3	507.4	633.9	802.7	887.1	1044.6	1359.6	1595.9	1627.9
125°	482.4	508.4	534.4	540.9	651.6	799.1	872.9	1006.7	1274.3	1475.1	1504.5
127.5°	514.2	540.4	566.7	573.3	669.1	797.0	861.0	975.9	1205.6	1378.0	1402.8
130°	531.2	559.5	587.7	594.8	682.0	798.3	856.4	958.7	1163.2	1316.7	1339.6
132.5°	548.8	577.1	605.3	612.4	692.4	799.1	852.4	944.0	1127.1	1264.5	1285.0
135°	574.9	600.6	626.4	632.8	703.8	798.3	845.6	922.3	1075.6	1190.7	1208.5
137.5°	601.5	627.0	652.6	658.9	720.8	803.3	844.5	909.4	1039.0	1136.2	1150.7
140°	623.7	647.2	670.7	676.5	731.2	804.0	840.5	896.5	1008.5	1092.5	1106.0
142.5°	640.7	662.5	684.1	689.6	739.9	806.9	840.5	889.7	988.0	1061.8	1073.5
145°	666.9	685.8	704.7	709.4	751.3	807.0	834.9	875.1	955.6	1015.9	1024.7
147.5°	693.0	711.3	729.7	734.3	767.8	812.5	834.9	866.5	929.8	977.3	984.6
150°	710.0	726.6	743.3	747.4	776.6	815.4	834.9	861.6	915.0	955.1	961.0
152.5°	727.6	740.3	752.8	756.0	782.3	817.3	834.9	857.7	903.4	937.6	942.0
155°	753.7	763.0	772.3	774.6	794.7	821.5	834.9	853.1	889.4	916.6	919.6
157.5°	773.0	782.1	791.1	793.4	807.2	825.7	834.9	849.0	877.3	898.4	900.5
160°	786.0	793.1	800.2	801.9	812.9	827.6	834.9	847.0	871.2	889.4	890.5
162.5°	799.1	804.4	809.7	811.0	818.9	829.6	834.9	845.1	865.5	880.8	881.9
165°	813.3	818.0	822.9	824.0	827.7	832.5	834.9	842.1	856.8	867.8	869.0
167.5°	826.3	828.6	830.9	831.4	834.4	838.5	840.5	845.3	854.9	862.1	862.6
170°	834.9	837.1	839.4	840.0	840.1	840.4	840.5	845.3	854.9	862.1	862.1
172.5°	839.4	839.9	840.4	840.5	840.5	840.5	840.5	844.3	851.9	857.5	857.1
175°	845.6	845.6	845.6	845.6	843.9	841.6	840.5	842.9	847.7	851.3	851.3
177.5°	845.6	845.6	845.6	845.6	844.3	842.6	841.7	843.6	847.3	850.1	849.6
180°	845.6	845.6	845.6	845.6	845.6	845.6	845.6	845.6	845.6	845.6	845.6



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1905.3	1905.3	1905.3	1905.3	1905.3	1905.3	1905.3	1905.3	1905.3	1905.3	1905.3
2.5°	1954.0	1948.6	1954.0	1950.4	1952.3	1946.8	1930.6	1925.2	1930.6	1936.0	1936.0
5°	1977.5	1973.8	1977.5	1977.5	1975.6	1972.0	1954.0	1950.4	1954.0	1955.8	1952.3
7.5°	1984.6	1979.3	1984.6	1981.1	1981.1	1977.5	1959.4	1955.8	1957.6	1963.0	1957.6
10°	1984.6	1979.3	1984.6	1982.8	1981.1	1977.5	1959.4	1952.3	1952.3	1957.6	1952.3
12.5°	1975.6	1972.0	1975.6	1972.0	1972.0	1968.5	1950.4	1943.2	1945.0	1946.8	1939.6
15°	1961.3	1955.8	1961.3	1957.6	1959.4	1954.0	1934.2	1927.0	1927.0	1930.6	1918.0
17.5°	1939.6	1932.4	1939.6	1937.8	1936.0	1932.4	1914.3	1907.1	1905.3	1907.1	1898.1
20°	1914.3	1909.0	1914.3	1912.6	1912.6	1905.3	1887.3	1878.3	1878.3	1878.3	1869.3
22.5°	1874.7	1869.3	1874.7	1878.3	1878.3	1876.5	1860.3	1847.7	1844.1	1844.1	1833.3
25°	1829.6	1824.3	1829.6	1829.6	1827.8	1829.6	1824.3	1817.0	1811.6	1806.2	1795.4
27.5°	1786.3	1782.8	1786.3	1782.8	1786.3	1781.0	1779.2	1777.3	1770.2	1764.8	1750.3
30°	1743.1	1739.5	1743.1	1739.5	1736.0	1732.3	1723.3	1719.7	1726.9	1723.3	1699.8
32.5°	1689.0	1685.5	1689.0	1689.0	1685.5	1685.5	1671.0	1665.6	1667.4	1678.2	1656.6
35°	1633.2	1627.7	1633.2	1631.3	1633.2	1627.7	1618.7	1617.0	1609.7	1622.3	1606.1
37.5°	1568.3	1562.8	1568.3	1568.3	1568.3	1571.9	1564.7	1559.2	1548.5	1564.7	1552.0
40°	1501.5	1494.4	1501.5	1499.8	1501.5	1505.2	1501.5	1498.0	1487.2	1499.8	1489.0
42.5°	1425.9	1424.0	1425.9	1427.7	1427.7	1434.9	1440.3	1433.0	1429.5	1420.5	1427.7
45°	1344.7	1341.2	1344.7	1348.4	1350.2	1353.7	1370.0	1370.0	1364.5	1350.2	1361.0
47.5°	1258.2	1249.2	1258.2	1269.0	1269.0	1274.4	1290.7	1303.2	1294.2	1276.2	1281.7
50°	1166.2	1168.1	1166.2	1173.5	1173.5	1193.4	1205.9	1218.5	1227.6	1205.9	1180.7
52.5°	1076.2	1074.4	1076.2	1081.6	1088.7	1097.7	1119.4	1132.0	1146.4	1133.9	1094.2
55°	986.0	989.6	986.0	987.9	991.4	996.9	1029.3	1041.9	1068.9	1052.7	1011.2
57.5°	895.9	890.4	895.9	899.5	901.3	906.7	933.7	957.2	973.4	975.2	924.7
60°	791.4	784.1	791.4	807.6	811.2	814.8	840.0	861.6	876.1	881.4	829.2
62.5°	699.4	686.8	699.4	710.2	717.4	726.4	744.4	776.9	789.6	791.4	717.4
65°	602.1	596.6	602.1	623.7	625.5	636.3	656.1	679.6	706.6	703.1	596.6
67.5°	513.8	513.8	513.8	528.1	539.0	544.4	569.6	580.4	614.7	618.3	497.5
70°	432.6	430.8	432.6	443.4	450.6	463.3	486.7	499.3	526.3	535.4	403.8
72.5°	355.1	353.3	355.1	364.1	371.3	382.1	402.0	416.4	439.8	450.6	313.6
75°	286.6	283.0	286.6	293.8	292.0	306.5	322.6	337.1	358.8	365.9	232.5
77.5°	220.0	220.0	220.0	227.1	227.1	241.5	248.8	266.8	279.4	290.2	171.3
80°	164.0	162.3	164.0	165.8	165.8	173.0	185.7	198.3	209.1	209.1	117.2
82.5°	115.3	111.8	115.3	115.3	115.3	119.0	126.2	129.8	137.0	142.4	73.9
85°	72.1	72.1	72.1	73.9	72.1	75.7	77.5	81.1	81.1	77.5	45.0
87.5°	46.8	45.0	46.8	45.0	45.0	43.3	43.3	43.3	41.5	39.7	25.2
90°	21.6	21.6	21.6	21.6	21.6	28.7	38.3	43.1	37.1	25.0	15.9
92.5°	86.3	69.2	86.3	103.5	107.8	152.8	212.9	242.9	213.2	154.0	109.5
95°	301.1	249.1	301.1	353.0	366.0	480.7	633.6	710.0	599.6	379.0	213.4
97.5°	721.4	622.6	721.4	820.3	845.1	917.6	1014.2	1062.5	878.4	510.4	234.4
100°	1039.4	921.6	1039.4	1157.2	1186.7	1181.4	1174.3	1170.8	966.6	558.2	252.0
102.5°	1352.3	1251.4	1352.3	1453.2	1478.4	1386.1	1263.0	1201.4	994.4	580.3	269.6
105°	1751.1	1696.9	1751.1	1805.4	1818.9	1612.0	1336.1	1198.1	997.6	596.5	295.7
107.5°	2012.5	2025.6	2012.5	1999.3	1996.0	1707.3	1322.4	1130.0	953.1	599.5	334.3
110°	2112.1	2168.6	2112.1	2055.5	2041.4	1718.7	1288.3	1073.2	913.8	595.0	355.8





TEST NUMBER: P935240

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2120.9	2207.7	2120.9	2034.1	2012.5	1682.2	1241.7	1021.5	879.4	595.2	382.0
115°	2064.7	2185.0	2064.7	1944.4	1914.3	1596.1	1171.8	959.7	840.0	600.6	421.1
117.5°	1945.4	2078.9	1945.4	1812.0	1778.6	1491.4	1108.6	917.1	815.3	611.7	459.1
120°	1849.4	1979.0	1849.4	1719.7	1687.3	1424.9	1075.0	900.1	807.0	620.9	481.3
122.5°	1755.8	1883.7	1755.8	1627.9	1595.9	1359.6	1044.6	887.1	802.7	633.9	507.4
125°	1622.2	1740.0	1622.2	1504.5	1475.1	1274.3	1006.7	872.9	799.1	651.6	540.9
127.5°	1502.3	1601.6	1502.3	1402.8	1378.0	1205.6	975.9	861.0	797.0	669.1	573.3
130°	1431.5	1523.3	1431.5	1339.6	1316.7	1163.2	958.7	856.4	798.3	682.0	594.8
132.5°	1367.3	1449.5	1367.3	1285.0	1264.5	1127.1	944.0	852.4	799.1	692.4	612.4
135°	1279.3	1350.2	1279.3	1208.5	1190.7	1075.6	922.3	845.6	798.3	703.8	632.8
137.5°	1208.7	1266.8	1208.7	1150.7	1136.2	1039.0	909.4	844.5	803.3	720.8	658.9
140°	1160.3	1214.5	1160.3	1106.0	1092.5	1008.5	896.5	840.5	804.0	731.2	676.5
142.5°	1120.2	1166.9	1120.2	1073.5	1061.8	988.0	889.7	840.5	806.9	739.9	689.6
145°	1060.1	1095.4	1060.1	1024.7	1015.9	955.6	875.1	834.9	807.0	751.3	709.4
147.5°	1013.9	1043.2	1013.9	984.6	977.3	929.8	866.5	834.9	812.5	767.8	734.3
150°	984.8	1008.5	984.8	961.0	955.1	915.0	861.6	834.9	815.4	776.6	747.4
152.5°	959.9	977.9	959.9	942.0	937.6	903.4	857.7	834.9	817.3	782.3	756.0
155°	931.4	943.2	931.4	919.6	916.6	889.4	853.1	834.9	821.5	794.7	774.6
157.5°	908.8	917.1	908.8	900.5	898.4	877.3	849.0	834.9	825.7	807.2	793.4
160°	895.4	900.1	895.4	890.5	889.4	871.2	847.0	834.9	827.6	812.9	801.9
162.5°	886.4	891.0	886.4	881.9	880.8	865.5	845.1	834.9	829.6	818.9	811.0
165°	873.8	878.5	873.8	869.0	867.8	856.8	842.1	834.9	832.5	827.7	824.0
167.5°	864.6	866.6	864.6	862.6	862.1	854.9	845.3	840.5	838.5	834.4	831.4
170°	862.1	862.1	862.1	862.1	862.1	854.9	845.3	840.5	840.4	840.1	840.0
172.5°	855.3	853.6	855.3	857.1	857.5	851.9	844.3	840.5	840.5	840.5	840.5
175°	851.3	851.3	851.3	851.3	851.3	847.7	842.9	840.5	841.6	843.9	845.6
177.5°	847.6	845.6	847.6	849.6	850.1	847.3	843.6	841.7	842.6	844.3	845.6
180°	845.6	845.6	845.6	845.6	845.6	845.6	845.6	845.6	845.6	845.6	845.6



TEST NUMBER: P935240

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1905.3	1905.3	1905.3	1905.3	1905.3	1905.3	1905.3	1905.3	1905.3	1905.3	1905.3
2.5°	1932.4	1921.6	1921.6	1903.5	1896.3	1891.0	1881.9	1854.8	1847.7	1840.5	1851.3
5°	1948.6	1928.8	1914.3	1881.9	1854.8	1844.1	1809.8	1745.0	1701.7	1669.2	1651.2
7.5°	1952.3	1927.0	1900.0	1849.5	1784.6	1755.7	1651.2	1532.2	1499.8	1470.9	1452.9
10°	1948.6	1919.8	1881.9	1806.2	1653.0	1602.5	1498.0	1420.5	1400.7	1395.2	1400.7
12.5°	1936.0	1909.0	1856.7	1730.5	1516.0	1481.7	1420.5	1375.4	1371.8	1380.8	1429.5
15°	1914.3	1889.1	1827.8	1629.5	1440.3	1415.0	1371.8	1355.5	1375.4	1438.5	1584.5
17.5°	1892.8	1863.8	1788.2	1530.4	1382.6	1364.5	1333.9	1366.4	1478.2	1562.8	1611.5
20°	1863.8	1829.6	1743.1	1458.3	1341.2	1324.9	1310.5	1456.5	1541.2	1571.9	1598.9
22.5°	1829.6	1793.6	1681.8	1407.8	1297.9	1285.2	1294.2	1507.0	1541.2	1562.8	1586.3
25°	1784.6	1754.0	1609.7	1368.2	1263.7	1249.2	1283.5	1501.5	1521.4	1526.8	1573.7
27.5°	1743.1	1703.5	1534.0	1332.2	1222.2	1216.7	1292.5	1478.2	1492.5	1498.0	1548.5
30°	1692.7	1633.2	1449.3	1294.2	1178.9	1177.1	1294.2	1449.3	1445.7	1460.1	1510.5
32.5°	1640.3	1528.6	1353.7	1247.4	1137.4	1135.7	1281.7	1406.0	1402.4	1422.2	1460.1
35°	1591.7	1447.5	1224.0	1193.4	1085.2	1086.9	1251.0	1355.5	1357.4	1375.4	1398.8
37.5°	1541.2	1377.2	1081.6	1133.9	1034.7	1034.7	1209.5	1308.7	1305.1	1310.5	1342.9
40°	1481.7	1267.2	955.4	1056.4	987.9	982.4	1159.1	1258.2	1245.6	1243.8	1288.9
42.5°	1418.7	1146.4	861.6	953.6	933.7	926.6	1097.7	1196.9	1173.5	1178.9	1236.6
45°	1350.2	1114.0	789.6	805.8	877.9	872.4	1031.1	1126.6	1110.4	1124.9	1184.3
47.5°	1281.7	1049.1	766.1	668.8	818.4	816.6	957.2	1058.1	1049.1	1063.5	1126.6
50°	1187.9	977.0	764.3	573.3	751.7	758.9	868.9	991.4	991.4	1004.1	1070.7
52.5°	1067.1	888.7	694.0	519.1	674.1	695.8	791.4	933.7	937.4	949.9	1009.4
55°	957.2	796.8	643.6	477.7	582.3	629.1	715.6	874.3	881.4	894.1	948.2
57.5°	856.2	663.4	632.7	429.0	497.5	542.6	648.9	816.6	820.2	831.0	883.3
60°	748.1	479.5	580.4	376.8	423.6	457.8	587.6	748.1	760.7	767.9	812.9
62.5°	625.5	347.9	526.3	340.7	387.6	394.8	537.1	683.2	699.4	704.8	731.9
65°	445.3	292.0	447.1	310.0	349.7	351.5	483.1	616.5	630.9	639.9	659.8
67.5°	301.0	238.0	340.7	281.2	320.8	322.6	430.8	539.0	558.8	566.0	578.6
70°	209.1	158.6	252.3	250.6	288.4	292.0	375.0	468.6	486.7	492.1	499.3
72.5°	153.2	128.0	209.1	225.3	254.2	257.8	317.3	389.3	407.4	412.8	416.4
75°	117.2	135.2	169.5	196.5	216.3	218.1	259.6	317.3	329.8	333.5	335.3
77.5°	93.7	126.2	124.3	158.6	176.7	173.0	203.7	245.1	256.0	256.0	256.0
80°	70.3	99.2	93.7	113.5	129.8	126.2	146.0	174.8	178.5	182.0	180.3
82.5°	52.3	63.1	63.1	72.1	86.5	83.0	97.3	113.5	113.5	113.5	117.2
85°	32.5	36.0	28.8	37.8	48.7	46.8	54.1	61.3	63.1	63.1	59.5
87.5°	19.8	16.2	9.0	14.5	21.6	21.6	25.2	27.0	25.2	25.2	25.2
90°	14.7	10.2	5.6	10.2	14.7	15.9	25.0	37.1	43.1	38.3	28.7
92.5°	99.9	61.3	22.7	61.3	99.9	109.5	154.0	213.2	242.9	212.9	152.8
95°	195.8	125.1	54.5	125.1	195.8	213.4	379.0	599.6	710.0	633.6	480.7
97.5°	218.9	156.5	94.2	156.5	218.9	234.4	510.4	878.4	1062.5	1014.2	917.6
100°	237.9	181.4	124.9	181.4	237.9	252.0	558.2	966.6	1170.8	1174.3	1181.4
102.5°	256.4	203.8	151.0	203.8	256.4	269.6	580.3	994.4	1201.4	1263.0	1386.1
105°	284.5	239.9	195.2	239.9	284.5	295.7	596.5	997.6	1198.1	1336.1	1612.0
107.5°	323.9	282.3	240.6	282.3	323.9	334.3	599.5	953.1	1130.0	1322.4	1707.3
110°	346.5	308.8	271.3	308.8	346.5	355.8	595.0	913.8	1073.2	1288.3	1718.7



TEST NUMBER: P935240

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	373.0	337.2	301.4	337.2	373.0	382.0	595.2	879.4	1021.5	1241.7	1682.2
115°	412.8	379.8	346.8	379.8	412.8	421.1	600.6	840.0	959.7	1171.8	1596.1
117.5°	451.6	421.6	391.6	421.6	451.6	459.1	611.7	815.3	917.1	1108.6	1491.4
120°	474.2	446.0	417.7	446.0	474.2	481.3	620.9	807.0	900.1	1075.0	1424.9
122.5°	500.3	471.7	443.3	471.7	500.3	507.4	633.9	802.7	887.1	1044.6	1359.6
125°	534.4	508.4	482.4	508.4	534.4	540.9	651.6	799.1	872.9	1006.7	1274.3
127.5°	566.7	540.4	514.2	540.4	566.7	573.3	669.1	797.0	861.0	975.9	1205.6
130°	587.7	559.5	531.2	559.5	587.7	594.8	682.0	798.3	856.4	958.7	1163.2
132.5°	605.3	577.1	548.8	577.1	605.3	612.4	692.4	799.1	852.4	944.0	1127.1
135°	626.4	600.6	574.9	600.6	626.4	632.8	703.8	798.3	845.6	922.3	1075.6
137.5°	652.6	627.0	601.5	627.0	652.6	658.9	720.8	803.3	844.5	909.4	1039.0
140°	670.7	647.2	623.7	647.2	670.7	676.5	731.2	804.0	840.5	896.5	1008.5
142.5°	684.1	662.5	640.7	662.5	684.1	689.6	739.9	806.9	840.5	889.7	988.0
145°	704.7	685.8	666.9	685.8	704.7	709.4	751.3	807.0	834.9	875.1	955.6
147.5°	729.7	711.3	693.0	711.3	729.7	734.3	767.8	812.5	834.9	866.5	929.8
150°	743.3	726.6	710.0	726.6	743.3	747.4	776.6	815.4	834.9	861.6	915.0
152.5°	752.8	740.3	727.6	740.3	752.8	756.0	782.3	817.3	834.9	857.7	903.4
155°	772.3	763.0	753.7	763.0	772.3	774.6	794.7	821.5	834.9	853.1	889.4
157.5°	791.1	782.1	773.0	782.1	791.1	793.4	807.2	825.7	834.9	849.0	877.3
160°	800.2	793.1	786.0	793.1	800.2	801.9	812.9	827.6	834.9	847.0	871.2
162.5°	809.7	804.4	799.1	804.4	809.7	811.0	818.9	829.6	834.9	845.1	865.5
165°	822.9	818.0	813.3	818.0	822.9	824.0	827.7	832.5	834.9	842.1	856.8
167.5°	830.9	828.6	826.3	828.6	830.9	831.4	834.4	838.5	840.5	845.3	854.9
170°	839.4	837.1	834.9	837.1	839.4	840.0	840.1	840.4	840.5	845.3	854.9
172.5°	840.4	839.9	839.4	839.9	840.4	840.5	840.5	840.5	840.5	844.3	851.9
175°	845.6	845.6	845.6	845.6	845.6	845.6	843.9	841.6	840.5	842.9	847.7
177.5°	845.6	845.6	845.6	845.6	845.6	845.6	844.3	842.6	841.7	843.6	847.3
180°	845.6	845.6	845.6	845.6	845.6	845.6	845.6	845.6	845.6	845.6	845.6



TEST NUMBER: P935240

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1905.3	1905.3	1905.3	1905.3	1905.3	1905.3	1905.3	1905.3	1905.3	1905.3	1905.3
2.5°	1838.6	1833.3	1840.5	1820.6	1840.5	1833.3	1838.6	1851.3	1840.5	1847.7	1854.8
5°	1613.3	1604.3	1575.5	1552.0	1575.5	1604.3	1613.3	1651.2	1669.2	1701.7	1745.0
7.5°	1442.0	1434.9	1427.7	1413.2	1427.7	1434.9	1442.0	1452.9	1470.9	1499.8	1532.2
10°	1404.2	1406.0	1416.9	1415.0	1416.9	1406.0	1404.2	1400.7	1395.2	1400.7	1420.5
12.5°	1501.5	1517.8	1577.3	1573.7	1577.3	1517.8	1501.5	1429.5	1380.8	1371.8	1375.4
15°	1613.3	1618.7	1631.3	1633.2	1631.3	1618.7	1613.3	1584.5	1438.5	1375.4	1355.5
17.5°	1624.2	1626.0	1635.0	1635.0	1635.0	1626.0	1624.2	1611.5	1562.8	1478.2	1366.4
20°	1615.2	1618.7	1636.8	1640.3	1636.8	1618.7	1615.2	1598.9	1571.9	1541.2	1456.5
22.5°	1611.5	1618.7	1633.2	1631.3	1633.2	1618.7	1611.5	1586.3	1562.8	1541.2	1507.0
25°	1593.5	1593.5	1595.3	1597.1	1595.3	1593.5	1593.5	1573.7	1526.8	1521.4	1501.5
27.5°	1555.7	1559.2	1570.0	1568.3	1570.0	1559.2	1555.7	1548.5	1498.0	1492.5	1478.2
30°	1521.4	1517.8	1508.8	1501.5	1508.8	1517.8	1521.4	1510.5	1460.1	1445.7	1449.3
32.5°	1463.7	1454.7	1445.7	1440.3	1445.7	1454.7	1463.7	1460.1	1422.2	1402.4	1406.0
35°	1395.2	1397.0	1395.2	1389.8	1395.2	1397.0	1395.2	1398.8	1375.4	1357.4	1355.5
37.5°	1346.5	1350.2	1348.4	1341.2	1348.4	1350.2	1346.5	1342.9	1310.5	1305.1	1308.7
40°	1296.1	1297.9	1296.1	1290.7	1296.1	1297.9	1296.1	1288.9	1243.8	1245.6	1258.2
42.5°	1247.4	1245.6	1240.2	1236.6	1240.2	1245.6	1247.4	1236.6	1178.9	1173.5	1196.9
45°	1191.5	1193.4	1182.5	1177.1	1182.5	1193.4	1191.5	1184.3	1124.9	1110.4	1126.6
47.5°	1135.7	1135.7	1126.6	1121.2	1126.6	1135.7	1135.7	1126.6	1063.5	1049.1	1058.1
50°	1076.2	1074.4	1061.7	1059.9	1061.7	1074.4	1076.2	1070.7	1004.1	991.4	991.4
52.5°	1007.7	1007.7	1009.4	1013.1	1009.4	1007.7	1007.7	1009.4	949.9	937.4	933.7
55°	948.2	949.9	962.6	966.2	962.6	949.9	948.2	948.2	894.1	881.4	874.3
57.5°	886.9	886.9	895.9	895.9	895.9	886.9	886.9	883.3	831.0	820.2	816.6
60°	816.6	820.2	827.4	825.6	827.4	820.2	816.6	812.9	767.9	760.7	748.1
62.5°	742.6	746.3	748.1	744.4	748.1	746.3	742.6	731.9	704.8	699.4	683.2
65°	665.1	668.8	670.6	666.9	670.6	668.8	665.1	659.8	639.9	630.9	616.5
67.5°	585.8	584.1	582.3	589.4	582.3	584.1	585.8	578.6	566.0	558.8	539.0
70°	504.8	504.8	502.9	506.5	502.9	504.8	504.8	499.3	492.1	486.7	468.6
72.5°	418.2	416.4	423.6	418.2	423.6	416.4	418.2	416.4	412.8	407.4	389.3
75°	333.5	337.1	333.5	338.9	333.5	337.1	333.5	335.3	333.5	329.8	317.3
77.5°	254.2	257.8	254.2	254.2	254.2	257.8	254.2	256.0	256.0	256.0	245.1
80°	180.3	178.5	178.5	176.7	178.5	178.5	180.3	180.3	182.0	178.5	174.8
82.5°	115.3	113.5	113.5	117.2	113.5	113.5	115.3	117.2	113.5	113.5	113.5
85°	63.1	64.9	61.3	61.3	61.3	64.9	63.1	59.5	63.1	63.1	61.3
87.5°	23.5	21.6	21.6	21.6	21.6	21.6	23.5	25.2	25.2	25.2	27.0
90°	21.6	21.6	21.6	21.6	21.6	21.6	21.6	28.7	38.3	43.1	37.1
92.5°	107.8	103.5	86.3	69.2	86.3	103.5	107.8	152.8	212.9	242.9	213.2
95°	366.0	353.0	301.1	249.1	301.1	353.0	366.0	480.7	633.6	710.0	599.6
97.5°	845.1	820.3	721.4	622.6	721.4	820.3	845.1	917.6	1014.2	1062.5	878.4
100°	1186.7	1157.2	1039.4	921.6	1039.4	1157.2	1186.7	1181.4	1174.3	1170.8	966.6
102.5°	1478.4	1453.2	1352.3	1251.4	1352.3	1453.2	1478.4	1386.1	1263.0	1201.4	994.4
105°	1818.9	1805.4	1751.1	1696.9	1751.1	1805.4	1818.9	1612.0	1336.1	1198.1	997.6
107.5°	1996.0	1999.3	2012.5	2025.6	2012.5	1999.3	1996.0	1707.3	1322.4	1130.0	953.1
110°	2041.4	2055.5	2112.1	2168.6	2112.1	2055.5	2041.4	1718.7	1288.3	1073.2	913.8



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2012.5	2034.1	2120.9	2207.7	2120.9	2034.1	2012.5	1682.2	1241.7	1021.5	879.4
115°	1914.3	1944.4	2064.7	2185.0	2064.7	1944.4	1914.3	1596.1	1171.8	959.7	840.0
117.5°	1778.6	1812.0	1945.4	2078.9	1945.4	1812.0	1778.6	1491.4	1108.6	917.1	815.3
120°	1687.3	1719.7	1849.4	1979.0	1849.4	1719.7	1687.3	1424.9	1075.0	900.1	807.0
122.5°	1595.9	1627.9	1755.8	1883.7	1755.8	1627.9	1595.9	1359.6	1044.6	887.1	802.7
125°	1475.1	1504.5	1622.2	1740.0	1622.2	1504.5	1475.1	1274.3	1006.7	872.9	799.1
127.5°	1378.0	1402.8	1502.3	1601.6	1502.3	1402.8	1378.0	1205.6	975.9	861.0	797.0
130°	1316.7	1339.6	1431.5	1523.3	1431.5	1339.6	1316.7	1163.2	958.7	856.4	798.3
132.5°	1264.5	1285.0	1367.3	1449.5	1367.3	1285.0	1264.5	1127.1	944.0	852.4	799.1
135°	1190.7	1208.5	1279.3	1350.2	1279.3	1208.5	1190.7	1075.6	922.3	845.6	798.3
137.5°	1136.2	1150.7	1208.7	1266.8	1208.7	1150.7	1136.2	1039.0	909.4	844.5	803.3
140°	1092.5	1106.0	1160.3	1214.5	1160.3	1106.0	1092.5	1008.5	896.5	840.5	804.0
142.5°	1061.8	1073.5	1120.2	1166.9	1120.2	1073.5	1061.8	988.0	889.7	840.5	806.9
145°	1015.9	1024.7	1060.1	1095.4	1060.1	1024.7	1015.9	955.6	875.1	834.9	807.0
147.5°	977.3	984.6	1013.9	1043.2	1013.9	984.6	977.3	929.8	866.5	834.9	812.5
150°	955.1	961.0	984.8	1008.5	984.8	961.0	955.1	915.0	861.6	834.9	815.4
152.5°	937.6	942.0	959.9	977.9	959.9	942.0	937.6	903.4	857.7	834.9	817.3
155°	916.6	919.6	931.4	943.2	931.4	919.6	916.6	889.4	853.1	834.9	821.5
157.5°	898.4	900.5	908.8	917.1	908.8	900.5	898.4	877.3	849.0	834.9	825.7
160°	889.4	890.5	895.4	900.1	895.4	890.5	889.4	871.2	847.0	834.9	827.6
162.5°	880.8	881.9	886.4	891.0	886.4	881.9	880.8	865.5	845.1	834.9	829.6
165°	867.8	869.0	873.8	878.5	873.8	869.0	867.8	856.8	842.1	834.9	832.5
167.5°	862.1	862.6	864.6	866.6	864.6	862.6	862.1	854.9	845.3	840.5	838.5
170°	862.1	862.1	862.1	862.1	862.1	862.1	862.1	854.9	845.3	840.5	840.4
172.5°	857.5	857.1	855.3	853.6	855.3	857.1	857.5	851.9	844.3	840.5	840.5
175°	851.3	851.3	851.3	851.3	851.3	851.3	851.3	847.7	842.9	840.5	841.6
177.5°	850.1	849.6	847.6	845.6	847.6	849.6	850.1	847.3	843.6	841.7	842.6
180°	845.6	845.6	845.6	845.6	845.6	845.6	845.6	845.6	845.6	845.6	845.6



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1905.3	1905.3	1905.3	1905.3	1905.3
2.5°	1881.9	1891.0	1896.3	1903.5	1921.6
5°	1809.8	1844.1	1854.8	1881.9	1914.3
7.5°	1651.2	1755.7	1784.6	1849.5	1900.0
10°	1498.0	1602.5	1653.0	1806.2	1881.9
12.5°	1420.5	1481.7	1516.0	1730.5	1856.7
15°	1371.8	1415.0	1440.3	1629.5	1827.8
17.5°	1333.9	1364.5	1382.6	1530.4	1788.2
20°	1310.5	1324.9	1341.2	1458.3	1743.1
22.5°	1294.2	1285.2	1297.9	1407.8	1681.8
25°	1283.5	1249.2	1263.7	1368.2	1609.7
27.5°	1292.5	1216.7	1222.2	1332.2	1534.0
30°	1294.2	1177.1	1178.9	1294.2	1449.3
32.5°	1281.7	1135.7	1137.4	1247.4	1353.7
35°	1251.0	1086.9	1085.2	1193.4	1224.0
37.5°	1209.5	1034.7	1034.7	1133.9	1081.6
40°	1159.1	982.4	987.9	1056.4	955.4
42.5°	1097.7	926.6	933.7	953.6	861.6
45°	1031.1	872.4	877.9	805.8	789.6
47.5°	957.2	816.6	818.4	668.8	766.1
50°	868.9	758.9	751.7	573.3	764.3
52.5°	791.4	695.8	674.1	519.1	694.0
55°	715.6	629.1	582.3	477.7	643.6
57.5°	648.9	542.6	497.5	429.0	632.7
60°	587.6	457.8	423.6	376.8	580.4
62.5°	537.1	394.8	387.6	340.7	526.3
65°	483.1	351.5	349.7	310.0	447.1
67.5°	430.8	322.6	320.8	281.2	340.7
70°	375.0	292.0	288.4	250.6	252.3
72.5°	317.3	257.8	254.2	225.3	209.1
75°	259.6	218.1	216.3	196.5	169.5
77.5°	203.7	173.0	176.7	158.6	124.3
80°	146.0	126.2	129.8	113.5	93.7
82.5°	97.3	83.0	86.5	72.1	63.1
85°	54.1	46.8	48.7	37.8	28.8
87.5°	25.2	21.6	21.6	14.5	9.0
90°	25.0	15.9	14.7	10.2	5.6
92.5°	154.0	109.5	99.9	61.3	22.7
95°	379.0	213.4	195.8	125.1	54.5
97.5°	510.4	234.4	218.9	156.5	94.2
100°	558.2	252.0	237.9	181.4	124.9
102.5°	580.3	269.6	256.4	203.8	151.0
105°	596.5	295.7	284.5	239.9	195.2
107.5°	599.5	334.3	323.9	282.3	240.6
110°	595.0	355.8	346.5	308.8	271.3



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CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	595.2	382.0	373.0	337.2	301.4
115°	600.6	421.1	412.8	379.8	346.8
117.5°	611.7	459.1	451.6	421.6	391.6
120°	620.9	481.3	474.2	446.0	417.7
122.5°	633.9	507.4	500.3	471.7	443.3
125°	651.6	540.9	534.4	508.4	482.4
127.5°	669.1	573.3	566.7	540.4	514.2
130°	682.0	594.8	587.7	559.5	531.2
132.5°	692.4	612.4	605.3	577.1	548.8
135°	703.8	632.8	626.4	600.6	574.9
137.5°	720.8	658.9	652.6	627.0	601.5
140°	731.2	676.5	670.7	647.2	623.7
142.5°	739.9	689.6	684.1	662.5	640.7
145°	751.3	709.4	704.7	685.8	666.9
147.5°	767.8	734.3	729.7	711.3	693.0
150°	776.6	747.4	743.3	726.6	710.0
152.5°	782.3	756.0	752.8	740.3	727.6
155°	794.7	774.6	772.3	763.0	753.7
157.5°	807.2	793.4	791.1	782.1	773.0
160°	812.9	801.9	800.2	793.1	786.0
162.5°	818.9	811.0	809.7	804.4	799.1
165°	827.7	824.0	822.9	818.0	813.3
167.5°	834.4	831.4	830.9	828.6	826.3
170°	840.1	840.0	839.4	837.1	834.9
172.5°	840.5	840.5	840.4	839.9	839.4
175°	843.9	845.6	845.6	845.6	845.6
177.5°	844.3	845.6	845.6	845.6	845.6
180°	845.6	845.6	845.6	845.6	845.6



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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	13.13	13.97	14.11	14.96	16.27	15.95	16.79	16.93	17.79	19.09
	3H	13.61	14.36	14.60	15.36	16.69	17.30	18.05	18.29	19.05	20.38
	4H	13.80	14.51	14.80	15.51	16.85	17.74	18.45	18.74	19.45	20.79
	6H	13.91	14.57	14.93	15.58	16.93	18.02	18.68	19.03	19.69	21.04
	8H	13.91	14.54	14.93	15.56	16.91	18.09	18.72	19.11	19.74	21.09
	12H	13.88	14.48	14.91	15.50	16.87	18.13	18.72	19.16	19.74	21.11
4H	2H	14.16	14.87	15.17	15.87	17.21	16.36	17.07	17.37	18.08	19.41
	3H	15.18	15.78	16.20	16.81	18.16	17.86	18.46	18.88	19.49	20.84
	4H	15.46	16.00	16.48	17.03	18.40	18.39	18.93	19.41	19.96	21.33
	6H	15.58	16.05	16.62	17.10	18.47	18.75	19.22	19.79	20.27	21.64
	8H	15.59	16.02	16.63	17.06	18.45	18.86	19.29	19.89	20.33	21.72
	12H	15.55	15.95	16.61	17.00	18.39	18.91	19.30	19.97	20.36	21.75
8H	4H	15.91	16.34	16.95	17.39	18.77	18.51	18.95	19.55	19.99	21.37
	6H	16.17	16.53	17.23	17.61	19.00	18.95	19.31	20.01	20.39	21.77
	8H	16.21	16.53	17.28	17.60	19.00	19.10	19.41	20.17	20.48	21.88
	12H	16.20	16.47	17.27	17.54	18.98	19.19	19.47	20.27	20.53	21.98
12H	4H	15.91	16.31	16.97	17.36	18.75	18.48	18.87	19.53	19.93	21.32
	6H	16.23	16.55	17.30	17.62	19.02	18.94	19.26	20.01	20.33	21.73
	8H	16.30	16.57	17.37	17.64	19.08	19.10	19.38	20.17	20.44	21.89