

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: P936040

Luminaire Tested: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-6-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936040
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-6-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

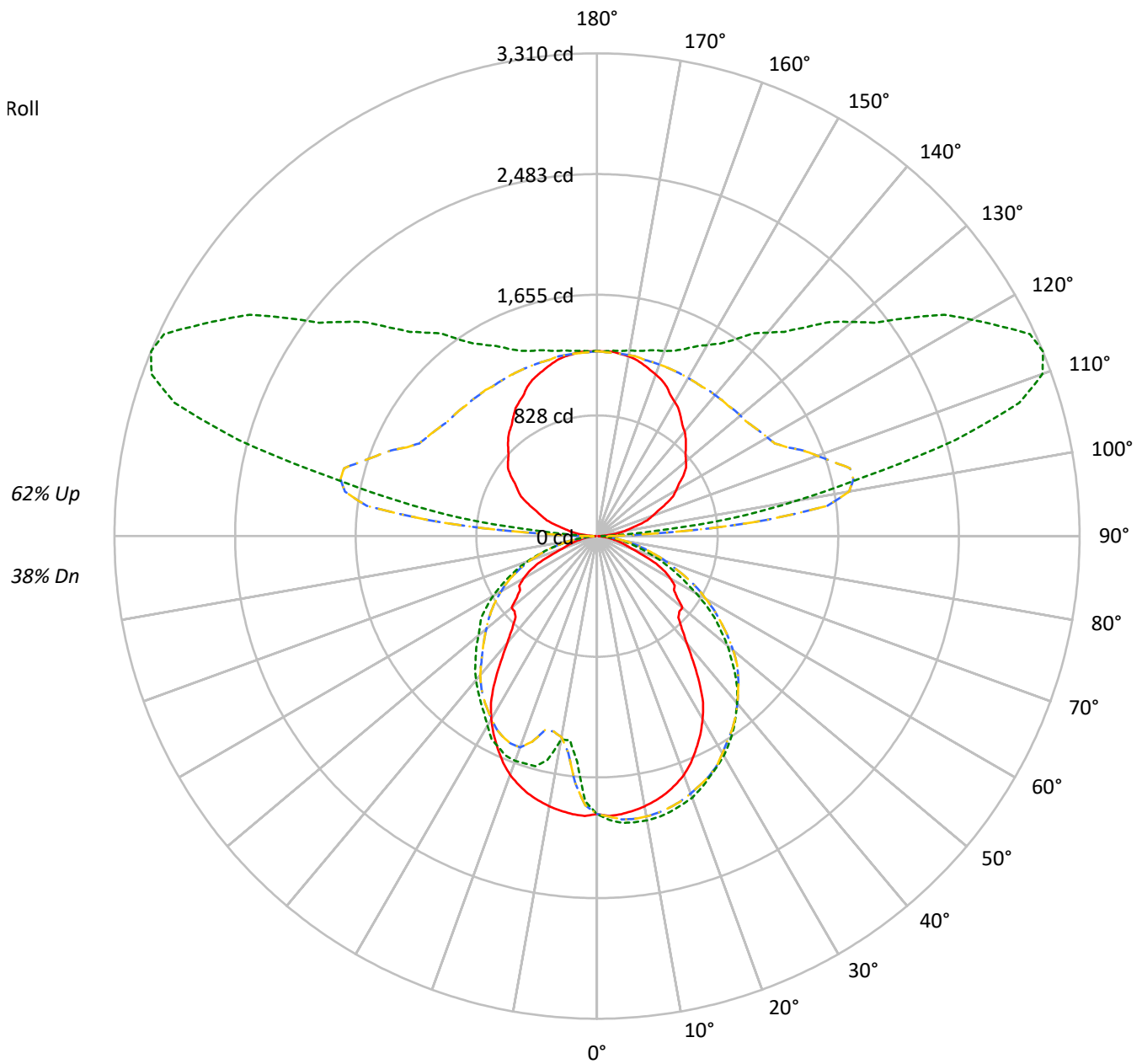
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13165.2 lumens
Efficiency: N/A
Efficacy: 121.2 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	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°	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	1.3
10°-20°	488.3	3.7
20°-30°	754.9	5.7
30°-40°	901.2	6.8
40°-50°	906.4	6.9
50°-60°	788.7	6.0
60°-70°	559.2	4.2
70°-80°	295.9	2.2
80°-90°	78.5	0.6
90°-100°	618.1	4.7
100°-110°	1625.0	12.3
110°-120°	1685.0	12.8
120°-130°	1351.5	10.3
130°-140°	1060.5	8.1
140°-150°	814.0	6.2
150°-160°	586.2	4.5
160°-170°	358.7	2.7
170°-180°	121.2	0.9
0°-30°	1415.2	10.7
0°-40°	2316.3	17.6
0°-60°	4011.5	30.5
0°-90°	4945.1	37.6
90°-120°	3928.1	29.8
90°-150°	7154.1	54.3
90°-180°	8220.0	62.4
0°-180°	13165.2	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°	9	32	9	32	9	8
95°	82	374	82	374	82	91
105°	293	2544	293	2544	293	310
115°	520	3276	520	3276	520	514
125°	723	2609	723	2609	723	642
135°	862	2025	862	2025	862	667
145°	1000	1642	1000	1642	1000	626
155°	1130	1414	1130	1414	1130	519
165°	1220	1317	1220	1317	1220	344
175°	1268	1276	1268	1276	1268	120
180°	1268	1268	1268	1268	1268	



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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°	8.6	15.4	22.1	23.8	37.5	55.6	64.7	57.5	43.1	32.4	32.4
92.5°	34.0	91.9	149.8	164.3	231.0	319.8	364.2	319.2	229.2	161.7	155.3
95°	81.7	187.6	293.5	320.0	568.3	899.2	1064.6	950.0	720.8	548.9	529.4
97.5°	141.3	234.7	328.1	351.5	765.4	1317.2	1593.1	1520.7	1375.8	1267.2	1230.1
100°	187.2	272.0	356.7	377.9	837.1	1449.5	1755.7	1761.0	1771.6	1779.5	1735.4
102.5°	226.4	305.5	384.5	404.2	870.1	1491.1	1801.6	1893.9	2078.4	2216.9	2179.0
105°	292.7	359.7	426.6	443.4	894.4	1495.8	1796.5	2003.4	2417.2	2727.5	2707.2
107.5°	360.9	423.3	485.7	501.2	898.9	1429.2	1694.4	1983.0	2560.2	2993.1	2998.0
110°	406.8	463.2	519.5	533.6	892.2	1370.2	1609.2	1931.9	2577.2	3061.1	3082.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	451.9	505.6	559.2	572.7	892.4	1318.7	1531.8	1862.0	2522.4	3017.7	3050.3
115°	519.9	569.5	619.1	631.5	900.6	1259.6	1439.0	1757.1	2393.3	2870.5	2915.6
117.5°	587.2	632.2	677.2	688.5	917.5	1222.6	1375.3	1662.4	2236.4	2667.1	2717.1
120°	626.4	668.8	711.2	721.7	931.0	1210.2	1349.7	1612.1	2136.6	2530.1	2578.6
122.5°	664.7	707.4	750.2	760.8	950.6	1203.6	1330.2	1566.4	2038.8	2393.1	2441.0
125°	723.3	762.3	801.3	811.0	977.0	1198.3	1308.9	1509.5	1910.8	2211.8	2255.9
127.5°	771.0	810.3	849.7	859.5	1003.3	1195.1	1291.0	1463.2	1807.8	2066.2	2103.5
130°	796.6	839.0	881.3	891.9	1022.7	1197.1	1284.2	1437.6	1744.3	1974.4	2008.8
132.5°	822.9	865.3	907.7	918.3	1038.3	1198.3	1278.2	1415.5	1690.1	1896.0	1926.9
135°	862.1	900.6	939.3	948.9	1055.3	1197.1	1268.0	1383.0	1613.0	1785.4	1812.0
137.5°	902.1	940.3	978.5	988.0	1080.8	1204.5	1266.3	1363.5	1557.9	1703.8	1725.5
140°	935.3	970.5	1005.6	1014.4	1096.4	1205.7	1260.4	1344.4	1512.3	1638.3	1658.5
142.5°	960.8	993.3	1025.9	1034.0	1109.5	1210.1	1260.4	1334.2	1481.6	1592.2	1609.7
145°	1000.0	1028.3	1056.7	1063.8	1126.5	1210.1	1251.8	1312.2	1432.9	1523.4	1536.6
147.5°	1039.1	1066.7	1094.3	1101.2	1151.4	1218.4	1251.8	1299.3	1394.2	1465.4	1476.4
150°	1064.6	1089.6	1114.5	1120.8	1164.4	1222.7	1251.8	1292.0	1372.1	1432.2	1441.1
152.5°	1091.0	1109.9	1128.9	1133.6	1173.0	1225.6	1251.8	1286.0	1354.5	1405.8	1412.6
155°	1130.1	1144.1	1158.1	1161.6	1191.7	1231.8	1251.8	1279.0	1333.5	1374.4	1378.8
157.5°	1159.1	1172.7	1186.3	1189.7	1210.5	1238.0	1251.8	1273.0	1315.4	1347.2	1350.3
160°	1178.7	1189.3	1199.8	1202.4	1218.9	1240.8	1251.8	1270.0	1306.3	1333.5	1335.3
162.5°	1198.3	1206.2	1214.1	1216.1	1228.0	1243.9	1251.8	1267.1	1297.8	1320.8	1322.5
165°	1219.6	1226.7	1233.8	1235.7	1241.0	1248.2	1251.8	1262.8	1284.8	1301.2	1303.1
167.5°	1239.1	1242.5	1245.9	1246.7	1251.3	1257.4	1260.4	1267.6	1282.0	1292.7	1293.4
170°	1251.8	1255.2	1258.7	1259.5	1259.8	1260.2	1260.4	1267.6	1282.0	1292.7	1292.7
172.5°	1258.7	1259.4	1260.2	1260.4	1260.4	1260.4	1260.4	1266.0	1277.4	1285.9	1285.2
175°	1268.0	1268.0	1268.0	1268.0	1265.5	1262.1	1260.4	1263.9	1271.1	1276.5	1276.5
177.5°	1268.0	1268.0	1268.0	1268.0	1266.0	1263.4	1262.0	1264.9	1270.6	1274.9	1274.1
180°	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0



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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°	32.4	32.4	32.4	32.4	32.4	43.1	57.5	64.7	55.6	37.5	23.8
92.5°	129.5	103.8	129.5	155.3	161.7	229.2	319.2	364.2	319.8	231.0	164.3
95°	451.5	373.6	451.5	529.4	548.9	720.8	950.0	1064.6	899.2	568.3	320.0
97.5°	1081.8	933.6	1081.8	1230.1	1267.2	1375.8	1520.7	1593.1	1317.2	765.4	351.5
100°	1558.8	1382.1	1558.8	1735.4	1779.5	1771.6	1761.0	1755.7	1449.5	837.1	377.9
102.5°	2027.8	1876.5	2027.8	2179.0	2216.9	2078.4	1893.9	1801.6	1491.1	870.1	404.2
105°	2625.8	2544.5	2625.8	2707.2	2727.5	2417.2	2003.4	1796.5	1495.8	894.4	443.4
107.5°	3017.6	3037.3	3017.6	2998.0	2993.1	2560.2	1983.0	1694.4	1429.2	898.9	501.2
110°	3167.0	3251.8	3167.0	3082.3	3061.1	2577.2	1931.9	1609.2	1370.2	892.2	533.6



TEST NUMBER: P936040

CATALOG NUMBER: SQ4-FA-150U-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°	3180.4	3310.4	3180.4	3050.3	3017.7	2522.4	1862.0	1531.8	1318.7	892.4	572.7
115°	3095.9	3276.4	3095.9	2915.6	2870.5	2393.3	1757.1	1439.0	1259.6	900.6	631.5
117.5°	2917.2	3117.3	2917.2	2717.1	2667.1	2236.4	1662.4	1375.3	1222.6	917.5	688.5
120°	2773.1	2967.5	2773.1	2578.6	2530.1	2136.6	1612.1	1349.7	1210.2	931.0	721.7
122.5°	2632.8	2824.5	2632.8	2441.0	2393.1	2038.8	1566.4	1330.2	1203.6	950.6	760.8
125°	2432.6	2609.2	2432.6	2255.9	2211.8	1910.8	1509.5	1308.9	1198.3	977.0	811.0
127.5°	2252.5	2401.6	2252.5	2103.5	2066.2	1807.8	1463.2	1291.0	1195.1	1003.3	859.5
130°	2146.5	2284.1	2146.5	2008.8	1974.4	1744.3	1437.6	1284.2	1197.1	1022.7	891.9
132.5°	2050.1	2173.5	2050.1	1926.9	1896.0	1690.1	1415.5	1278.2	1198.3	1038.3	918.3
135°	1918.3	2024.6	1918.3	1812.0	1785.4	1613.0	1383.0	1268.0	1197.1	1055.3	948.9
137.5°	1812.5	1899.5	1812.5	1725.5	1703.8	1557.9	1363.5	1266.3	1204.5	1080.8	988.0
140°	1739.9	1821.2	1739.9	1658.5	1638.3	1512.3	1344.4	1260.4	1205.7	1096.4	1014.4
142.5°	1679.7	1749.7	1679.7	1609.7	1592.2	1481.6	1334.2	1260.4	1210.1	1109.5	1034.0
145°	1589.5	1642.4	1589.5	1536.6	1523.4	1432.9	1312.2	1251.8	1210.1	1126.5	1063.8
147.5°	1520.3	1564.2	1520.3	1476.4	1465.4	1394.2	1299.3	1251.8	1218.4	1151.4	1101.2
150°	1476.7	1512.3	1476.7	1441.1	1432.2	1372.1	1292.0	1251.8	1222.7	1164.4	1120.8
152.5°	1439.4	1466.3	1439.4	1412.6	1405.8	1354.5	1286.0	1251.8	1225.6	1173.0	1133.6
155°	1396.6	1414.4	1396.6	1378.8	1374.4	1333.5	1279.0	1251.8	1231.8	1191.7	1161.6
157.5°	1362.8	1375.3	1362.8	1350.3	1347.2	1315.4	1273.0	1251.8	1238.0	1210.5	1189.7
160°	1342.5	1349.7	1342.5	1335.3	1333.5	1306.3	1270.0	1251.8	1240.8	1218.9	1202.4
162.5°	1329.3	1336.1	1329.3	1322.5	1320.8	1297.8	1267.1	1251.8	1243.9	1228.0	1216.1
165°	1310.2	1317.3	1310.2	1303.1	1301.2	1284.8	1262.8	1251.8	1248.2	1241.0	1235.7
167.5°	1296.5	1299.5	1296.5	1293.4	1292.7	1282.0	1267.6	1260.4	1257.4	1251.3	1246.7
170°	1292.7	1292.7	1292.7	1292.7	1292.7	1282.0	1267.6	1260.4	1260.2	1259.8	1259.5
172.5°	1282.6	1280.0	1282.6	1285.2	1285.9	1277.4	1266.0	1260.4	1260.4	1260.4	1260.4
175°	1276.5	1276.5	1276.5	1276.5	1276.5	1271.1	1263.9	1260.4	1262.1	1265.5	1268.0
177.5°	1271.0	1268.0	1271.0	1274.1	1274.9	1270.6	1264.9	1262.0	1263.4	1266.0	1268.0
180°	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0



TEST NUMBER: P936040

CATALOG NUMBER: SQ4-FA-150U-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°	22.1	15.4	8.6	15.4	22.1	23.8	37.5	55.6	64.7	57.5	43.1
92.5°	149.8	91.9	34.0	91.9	149.8	164.3	231.0	319.8	364.2	319.2	229.2
95°	293.5	187.6	81.7	187.6	293.5	320.0	568.3	899.2	1064.6	950.0	720.8
97.5°	328.1	234.7	141.3	234.7	328.1	351.5	765.4	1317.2	1593.1	1520.7	1375.8
100°	356.7	272.0	187.2	272.0	356.7	377.9	837.1	1449.5	1755.7	1761.0	1771.6
102.5°	384.5	305.5	226.4	305.5	384.5	404.2	870.1	1491.1	1801.6	1893.9	2078.4
105°	426.6	359.7	292.7	359.7	426.6	443.4	894.4	1495.8	1796.5	2003.4	2417.2
107.5°	485.7	423.3	360.9	423.3	485.7	501.2	898.9	1429.2	1694.4	1983.0	2560.2
110°	519.5	463.2	406.8	463.2	519.5	533.6	892.2	1370.2	1609.2	1931.9	2577.2



TEST NUMBER: P936040

CATALOG NUMBER: SQ4-FA-150U-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°	559.2	505.6	451.9	505.6	559.2	572.7	892.4	1318.7	1531.8	1862.0	2522.4
115°	619.1	569.5	519.9	569.5	619.1	631.5	900.6	1259.6	1439.0	1757.1	2393.3
117.5°	677.2	632.2	587.2	632.2	677.2	688.5	917.5	1222.6	1375.3	1662.4	2236.4
120°	711.2	668.8	626.4	668.8	711.2	721.7	931.0	1210.2	1349.7	1612.1	2136.6
122.5°	750.2	707.4	664.7	707.4	750.2	760.8	950.6	1203.6	1330.2	1566.4	2038.8
125°	801.3	762.3	723.3	762.3	801.3	811.0	977.0	1198.3	1308.9	1509.5	1910.8
127.5°	849.7	810.3	771.0	810.3	849.7	859.5	1003.3	1195.1	1291.0	1463.2	1807.8
130°	881.3	839.0	796.6	839.0	881.3	891.9	1022.7	1197.1	1284.2	1437.6	1744.3
132.5°	907.7	865.3	822.9	865.3	907.7	918.3	1038.3	1198.3	1278.2	1415.5	1690.1
135°	939.3	900.6	862.1	900.6	939.3	948.9	1055.3	1197.1	1268.0	1383.0	1613.0
137.5°	978.5	940.3	902.1	940.3	978.5	988.0	1080.8	1204.5	1266.3	1363.5	1557.9
140°	1005.6	970.5	935.3	970.5	1005.6	1014.4	1096.4	1205.7	1260.4	1344.4	1512.3
142.5°	1025.9	993.3	960.8	993.3	1025.9	1034.0	1109.5	1210.1	1260.4	1334.2	1481.6
145°	1056.7	1028.3	1000.0	1028.3	1056.7	1063.8	1126.5	1210.1	1251.8	1312.2	1432.9
147.5°	1094.3	1066.7	1039.1	1066.7	1094.3	1101.2	1151.4	1218.4	1251.8	1299.3	1394.2
150°	1114.5	1089.6	1064.6	1089.6	1114.5	1120.8	1164.4	1222.7	1251.8	1292.0	1372.1
152.5°	1128.9	1109.9	1091.0	1109.9	1128.9	1133.6	1173.0	1225.6	1251.8	1286.0	1354.5
155°	1158.1	1144.1	1130.1	1144.1	1158.1	1161.6	1191.7	1231.8	1251.8	1279.0	1333.5
157.5°	1186.3	1172.7	1159.1	1172.7	1186.3	1189.7	1210.5	1238.0	1251.8	1273.0	1315.4
160°	1199.8	1189.3	1178.7	1189.3	1199.8	1202.4	1218.9	1240.8	1251.8	1270.0	1306.3
162.5°	1214.1	1206.2	1198.3	1206.2	1214.1	1216.1	1228.0	1243.9	1251.8	1267.1	1297.8
165°	1233.8	1226.7	1219.6	1226.7	1233.8	1235.7	1241.0	1248.2	1251.8	1262.8	1284.8
167.5°	1245.9	1242.5	1239.1	1242.5	1245.9	1246.7	1251.3	1257.4	1260.4	1267.6	1282.0
170°	1258.7	1255.2	1251.8	1255.2	1258.7	1259.5	1259.8	1260.2	1260.4	1267.6	1282.0
172.5°	1260.2	1259.4	1258.7	1259.4	1260.2	1260.4	1260.4	1260.4	1260.4	1266.0	1277.4
175°	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1265.5	1262.1	1260.4	1263.9	1271.1
177.5°	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1266.0	1263.4	1262.0	1264.9	1270.6
180°	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0



TEST NUMBER: P936040

CATALOG NUMBER: SQ4-FA-150U-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°	32.4	32.4	32.4	32.4	32.4	32.4	32.4	43.1	57.5	64.7	55.6
92.5°	161.7	155.3	129.5	103.8	129.5	155.3	161.7	229.2	319.2	364.2	319.8
95°	548.9	529.4	451.5	373.6	451.5	529.4	548.9	720.8	950.0	1064.6	899.2
97.5°	1267.2	1230.1	1081.8	933.6	1081.8	1230.1	1267.2	1375.8	1520.7	1593.1	1317.2
100°	1779.5	1735.4	1558.8	1382.1	1558.8	1735.4	1779.5	1771.6	1761.0	1755.7	1449.5
102.5°	2216.9	2179.0	2027.8	1876.5	2027.8	2179.0	2216.9	2078.4	1893.9	1801.6	1491.1
105°	2727.5	2707.2	2625.8	2544.5	2625.8	2707.2	2727.5	2417.2	2003.4	1796.5	1495.8
107.5°	2993.1	2998.0	3017.6	3037.3	3017.6	2998.0	2993.1	2560.2	1983.0	1694.4	1429.2
110°	3061.1	3082.3	3167.0	3251.8	3167.0	3082.3	3061.1	2577.2	1931.9	1609.2	1370.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3017.7	3050.3	3180.4	3310.4	3180.4	3050.3	3017.7	2522.4	1862.0	1531.8	1318.7
115°	2870.5	2915.6	3095.9	3276.4	3095.9	2915.6	2870.5	2393.3	1757.1	1439.0	1259.6
117.5°	2667.1	2717.1	2917.2	3117.3	2917.2	2717.1	2667.1	2236.4	1662.4	1375.3	1222.6
120°	2530.1	2578.6	2773.1	2967.5	2773.1	2578.6	2530.1	2136.6	1612.1	1349.7	1210.2
122.5°	2393.1	2441.0	2632.8	2824.5	2632.8	2441.0	2393.1	2038.8	1566.4	1330.2	1203.6
125°	2211.8	2255.9	2432.6	2609.2	2432.6	2255.9	2211.8	1910.8	1509.5	1308.9	1198.3
127.5°	2066.2	2103.5	2252.5	2401.6	2252.5	2103.5	2066.2	1807.8	1463.2	1291.0	1195.1
130°	1974.4	2008.8	2146.5	2284.1	2146.5	2008.8	1974.4	1744.3	1437.6	1284.2	1197.1
132.5°	1896.0	1926.9	2050.1	2173.5	2050.1	1926.9	1896.0	1690.1	1415.5	1278.2	1198.3
135°	1785.4	1812.0	1918.3	2024.6	1918.3	1812.0	1785.4	1613.0	1383.0	1268.0	1197.1
137.5°	1703.8	1725.5	1812.5	1899.5	1812.5	1725.5	1703.8	1557.9	1363.5	1266.3	1204.5
140°	1638.3	1658.5	1739.9	1821.2	1739.9	1658.5	1638.3	1512.3	1344.4	1260.4	1205.7
142.5°	1592.2	1609.7	1679.7	1749.7	1679.7	1609.7	1592.2	1481.6	1334.2	1260.4	1210.1
145°	1523.4	1536.6	1589.5	1642.4	1589.5	1536.6	1523.4	1432.9	1312.2	1251.8	1210.1
147.5°	1465.4	1476.4	1520.3	1564.2	1520.3	1476.4	1465.4	1394.2	1299.3	1251.8	1218.4
150°	1432.2	1441.1	1476.7	1512.3	1476.7	1441.1	1432.2	1372.1	1292.0	1251.8	1222.7
152.5°	1405.8	1412.6	1439.4	1466.3	1439.4	1412.6	1405.8	1354.5	1286.0	1251.8	1225.6
155°	1374.4	1378.8	1396.6	1414.4	1396.6	1378.8	1374.4	1333.5	1279.0	1251.8	1231.8
157.5°	1347.2	1350.3	1362.8	1375.3	1362.8	1350.3	1347.2	1315.4	1273.0	1251.8	1238.0
160°	1333.5	1335.3	1342.5	1349.7	1342.5	1335.3	1333.5	1306.3	1270.0	1251.8	1240.8
162.5°	1320.8	1322.5	1329.3	1336.1	1329.3	1322.5	1320.8	1297.8	1267.1	1251.8	1243.9
165°	1301.2	1303.1	1310.2	1317.3	1310.2	1303.1	1301.2	1284.8	1262.8	1251.8	1248.2
167.5°	1292.7	1293.4	1296.5	1299.5	1296.5	1293.4	1292.7	1282.0	1267.6	1260.4	1257.4
170°	1292.7	1292.7	1292.7	1292.7	1292.7	1292.7	1292.7	1282.0	1267.6	1260.4	1260.2
172.5°	1285.9	1285.2	1282.6	1280.0	1282.6	1285.2	1285.9	1277.4	1266.0	1260.4	1260.4
175°	1276.5	1276.5	1276.5	1276.5	1276.5	1276.5	1276.5	1271.1	1263.9	1260.4	1262.1
177.5°	1274.9	1274.1	1271.0	1268.0	1271.0	1274.1	1274.9	1270.6	1264.9	1262.0	1263.4
180°	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0



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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°	37.5	23.8	22.1	15.4	8.6
92.5°	231.0	164.3	149.8	91.9	34.0
95°	568.3	320.0	293.5	187.6	81.7
97.5°	765.4	351.5	328.1	234.7	141.3
100°	837.1	377.9	356.7	272.0	187.2
102.5°	870.1	404.2	384.5	305.5	226.4
105°	894.4	443.4	426.6	359.7	292.7
107.5°	898.9	501.2	485.7	423.3	360.9
110°	892.2	533.6	519.5	463.2	406.8



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CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	892.4	572.7	559.2	505.6	451.9
115°	900.6	631.5	619.1	569.5	519.9
117.5°	917.5	688.5	677.2	632.2	587.2
120°	931.0	721.7	711.2	668.8	626.4
122.5°	950.6	760.8	750.2	707.4	664.7
125°	977.0	811.0	801.3	762.3	723.3
127.5°	1003.3	859.5	849.7	810.3	771.0
130°	1022.7	891.9	881.3	839.0	796.6
132.5°	1038.3	918.3	907.7	865.3	822.9
135°	1055.3	948.9	939.3	900.6	862.1
137.5°	1080.8	988.0	978.5	940.3	902.1
140°	1096.4	1014.4	1005.6	970.5	935.3
142.5°	1109.5	1034.0	1025.9	993.3	960.8
145°	1126.5	1063.8	1056.7	1028.3	1000.0
147.5°	1151.4	1101.2	1094.3	1066.7	1039.1
150°	1164.4	1120.8	1114.5	1089.6	1064.6
152.5°	1173.0	1133.6	1128.9	1109.9	1091.0
155°	1191.7	1161.6	1158.1	1144.1	1130.1
157.5°	1210.5	1189.7	1186.3	1172.7	1159.1
160°	1218.9	1202.4	1199.8	1189.3	1178.7
162.5°	1228.0	1216.1	1214.1	1206.2	1198.3
165°	1241.0	1235.7	1233.8	1226.7	1219.6
167.5°	1251.3	1246.7	1245.9	1242.5	1239.1
170°	1259.8	1259.5	1258.7	1255.2	1251.8
172.5°	1260.4	1260.4	1260.2	1259.4	1258.7
175°	1265.5	1268.0	1268.0	1268.0	1268.0
177.5°	1266.0	1268.0	1268.0	1268.0	1268.0
180°	1268.0	1268.0	1268.0	1268.0	1268.0



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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	12.10	12.86	13.16	13.92	15.36	14.93	15.69	15.98	16.75	18.18
	3H	12.57	13.25	13.64	14.32	15.78	16.26	16.94	17.33	18.01	19.47
	4H	12.76	13.40	13.83	14.47	15.94	16.70	17.34	17.78	18.42	19.88
	6H	12.87	13.46	13.96	14.54	16.01	16.98	17.57	18.07	18.65	20.12
	8H	12.87	13.43	13.96	14.52	15.99	17.05	17.61	18.14	18.70	20.17
	12H	12.84	13.37	13.93	14.46	15.95	17.08	17.62	18.18	18.70	20.20
4H	2H	13.12	13.76	14.20	14.84	16.30	15.32	15.97	16.41	17.04	18.50
	3H	14.14	14.67	15.23	15.77	17.25	16.82	17.35	17.91	18.45	19.93
	4H	14.41	14.90	15.51	15.99	17.49	17.34	17.83	18.44	18.92	20.42
	6H	14.53	14.95	15.63	16.06	17.55	17.70	18.12	18.80	19.23	20.72
	8H	14.53	14.93	15.64	16.03	17.54	17.80	18.20	18.91	19.30	20.81
	12H	14.49	14.85	15.62	15.97	17.48	17.85	18.21	18.97	19.33	20.84
8H	4H	14.85	15.25	15.96	16.35	17.86	17.46	17.85	18.56	18.95	20.46
	6H	15.11	15.44	16.24	16.58	18.09	17.89	18.21	19.01	19.36	20.86
	8H	15.15	15.44	16.29	16.56	18.09	18.04	18.32	19.17	19.45	20.97
	12H	15.13	15.38	16.27	16.51	18.07	18.13	18.38	19.27	19.50	21.06
12H	4H	14.85	15.21	15.98	16.33	17.84	17.42	17.77	18.54	18.89	20.40
	6H	15.17	15.46	16.30	16.58	18.11	17.88	18.17	19.02	19.30	20.82
	8H	15.23	15.48	16.37	16.61	18.17	18.04	18.29	19.18	19.41	20.97