

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: P935989

Luminaire Tested: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-6-3500K

Issue Date: 12/17/2024

**Test Information**

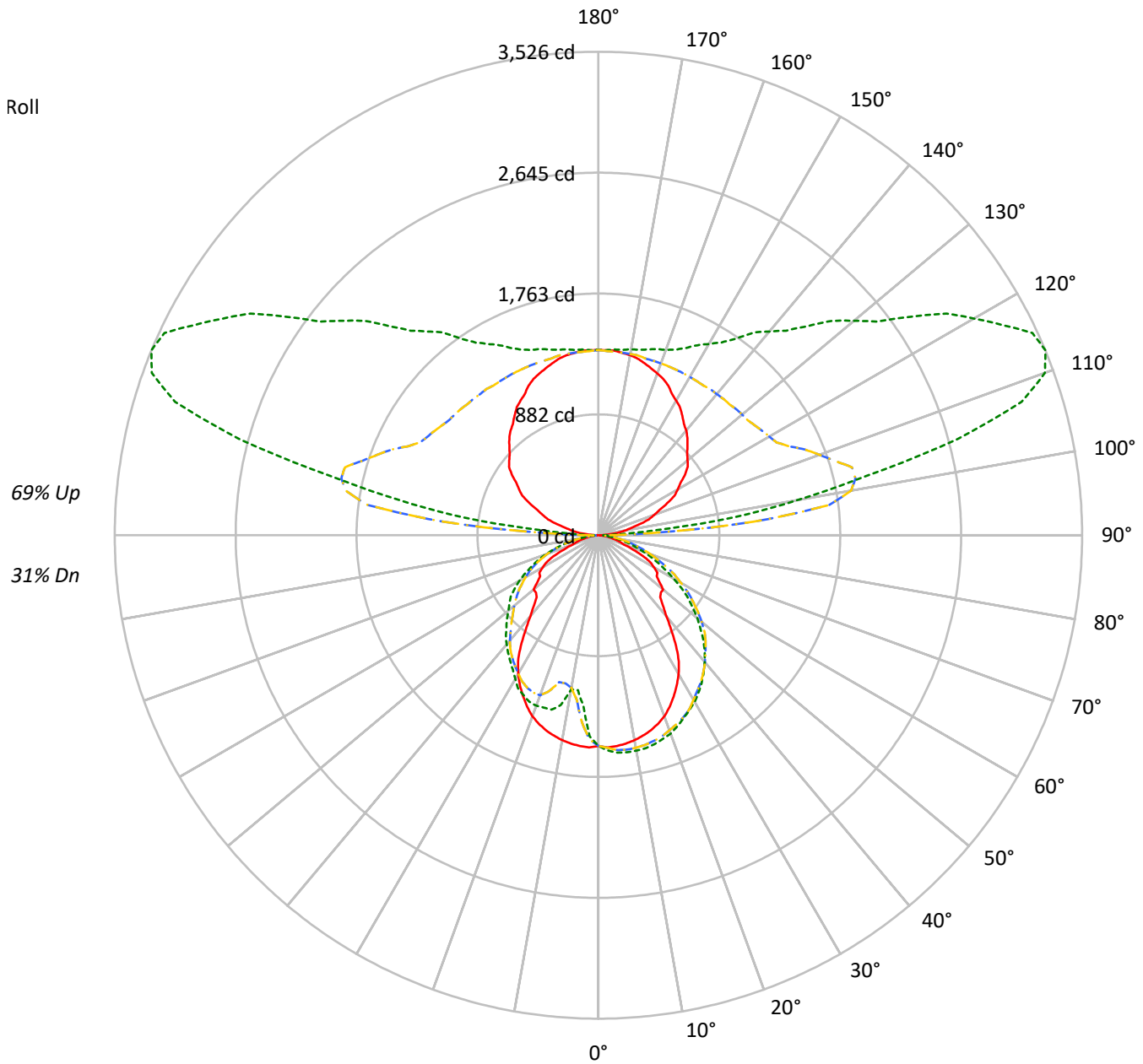
Test Method: LM-79-2019  
Report Number: P935989  
REPORT IS A COMBINATION OF REPORTS P933775 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-6-3500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12745.2 lumens  
Efficiency: N/A  
Efficacy: 133.6 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')  
CIE Type: Semi-Indirect  
  
Input Watts (W): 95.4  
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	0
RCR																		
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	34	34	33	26
2	85	78	72	67	76	70	65	61	56	52	49	43	40	38	30	29	28	22
3	78	69	61	56	70	62	56	51	49	45	42	38	35	32	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	14
6	60	48	40	35	54	44	37	32	35	30	26	27	23	21	19	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	24	21	18	18	15	14	11
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	10
9	47	36	28	23	43	32	26	22	26	21	18	20	17	14	15	13	11	9
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	8

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	9504	9504	9504	9504
5°	9571	9594	9571	7544
10°	9504	9450	9504	6756
15°	9397	9245	9397	7721
20°	9197	9003	9197	7737
25°	8791	8649	8791	7572
30°	8268	8356	8268	7213
35°	7367	7984	7367	6817
40°	6136	7547	6136	6518
45°	5478	7035	5478	6174
50°	5816	6425	5816	5830
55°	5466	5767	5466	5630
60°	5628	4898	5628	5156
65°	5095	4048	5095	4526
70°	3520	3227	3520	3793
75°	3074	2385	3074	2856
80°	2461	1577	2461	1716
85°	1389	835	1389	710

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 8402 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	138.7	1.1
10°-20°	393.8	3.1
20°-30°	608.7	4.8
30°-40°	726.6	5.7
40°-50°	730.9	5.7
50°-60°	636.0	5.0
60°-70°	450.9	3.5
70°-80°	238.6	1.9
80°-90°	64.6	0.5
90°-100°	658.4	5.2
100°-110°	1731.1	13.6
110°-120°	1794.9	14.1
120°-130°	1439.7	11.3
130°-140°	1129.7	8.9
140°-150°	867.1	6.8
150°-160°	624.4	4.9
160°-170°	382.1	3.0
170°-180°	129.1	1.0
0°-30°	1141.1	9.0
0°-40°	1867.7	14.7
0°-60°	3234.6	25.4
0°-90°	3988.6	31.3
90°-120°	4184.4	32.8
90°-150°	7621.0	59.8
90°-180°	8757.0	68.7
0°-180°	12745.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1536	1536	1536	1536	1536	
5°	1544	1592	1544	1252	1544	146
15°	1474	1577	1474	1317	1474	415
25°	1298	1471	1298	1288	1298	596
35°	987	1312	987	1121	987	611
45°	637	1081	637	949	637	510
55°	519	798	519	779	519	477
65°	360	481	360	538	360	345
75°	137	228	137	273	137	144
85°	23	58	23	49	23	31
90°	9	34	9	34	9	8
95°	87	398	87	398	87	97
105°	312	2711	312	2711	312	331
115°	554	3490	554	3490	554	547
125°	770	2780	770	2780	770	684
135°	918	2157	918	2157	918	711
145°	1065	1750	1065	1750	1065	667
155°	1204	1507	1204	1507	1204	553
165°	1299	1403	1299	1403	1299	367
175°	1351	1360	1351	1360	1351	128
180°	1351	1351	1351	1351	1351	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3
2.5°	1549.4	1549.4	1558.2	1561.1	1561.1	1556.7	1552.3	1556.7	1569.8	1574.1	1572.7
5°	1543.6	1555.2	1571.2	1574.1	1577.0	1575.6	1572.7	1575.6	1590.1	1593.0	1594.5
7.5°	1532.0	1553.8	1574.1	1578.5	1582.9	1578.5	1577.0	1580.0	1594.5	1597.4	1597.4
10°	1517.5	1548.0	1571.2	1574.1	1578.5	1574.1	1574.1	1580.0	1594.5	1597.4	1598.8
12.5°	1497.1	1539.3	1561.1	1564.0	1569.8	1568.3	1566.9	1572.7	1587.2	1590.1	1590.1
15°	1473.8	1523.3	1543.6	1546.5	1556.7	1553.8	1553.8	1559.6	1575.6	1580.0	1578.5
17.5°	1441.9	1502.9	1526.2	1530.5	1537.8	1536.3	1537.8	1543.6	1558.2	1561.1	1562.5
20°	1405.5	1475.3	1502.9	1507.3	1514.5	1514.5	1514.5	1521.8	1536.3	1542.2	1542.2
22.5°	1356.1	1446.2	1475.3	1478.2	1486.9	1486.9	1489.8	1500.0	1513.1	1514.5	1514.5
25°	1298.0	1414.3	1439.0	1447.7	1456.4	1460.8	1465.1	1470.9	1475.3	1473.8	1475.3
27.5°	1236.9	1373.6	1405.5	1411.3	1423.0	1427.3	1433.2	1434.6	1436.1	1440.4	1437.5
30°	1168.6	1316.9	1364.8	1370.7	1389.5	1392.5	1386.6	1389.5	1396.8	1399.7	1402.6
32.5°	1091.6	1232.6	1322.7	1335.8	1353.2	1344.5	1343.0	1347.4	1359.0	1359.0	1361.9
35°	986.9	1167.2	1283.4	1295.1	1308.1	1298.0	1303.8	1305.2	1312.5	1316.9	1315.4
37.5°	872.1	1110.5	1242.7	1251.5	1261.6	1248.6	1257.3	1261.6	1267.5	1264.5	1264.5
40°	770.4	1021.8	1194.8	1200.6	1209.3	1199.1	1207.9	1210.8	1213.7	1210.8	1209.3
42.5°	694.8	924.4	1143.9	1151.2	1145.4	1152.6	1155.5	1161.3	1157.0	1151.2	1151.2
45°	636.6	898.3	1088.7	1097.4	1088.7	1100.3	1104.7	1104.7	1091.6	1088.7	1087.2
47.5°	617.7	845.9	1033.4	1033.4	1029.1	1043.6	1050.9	1040.7	1027.6	1023.3	1023.3
50°	616.3	787.8	957.9	952.0	972.4	989.8	982.6	972.4	962.2	946.2	946.2
52.5°	559.6	716.6	860.5	882.3	914.3	924.4	912.8	902.6	885.2	877.9	872.1
55°	518.9	642.4	771.8	815.4	848.8	861.9	840.1	829.9	803.8	799.4	796.5
57.5°	510.2	534.9	690.4	745.6	786.3	784.9	771.8	752.9	731.1	726.8	725.3
60°	468.0	386.6	603.2	668.6	710.8	706.4	694.8	677.3	657.0	654.1	651.2
62.5°	424.4	280.5	504.4	578.5	638.1	636.6	626.5	600.3	585.8	578.5	572.7
65°	360.5	235.5	359.0	481.1	566.9	569.8	548.0	529.1	513.1	504.4	502.9
67.5°	274.7	191.9	242.7	401.2	498.6	495.6	468.0	459.3	439.0	434.6	425.9
70°	203.5	127.9	168.6	325.6	431.7	424.4	402.6	392.4	373.5	363.4	357.6
72.5°	168.6	103.2	123.5	252.9	363.4	354.7	335.8	324.1	308.1	299.4	293.6
75°	136.6	109.0	94.5	187.5	295.1	289.2	271.8	260.2	247.1	235.5	236.9
77.5°	100.3	101.7	75.6	138.1	234.0	225.3	215.1	200.6	194.8	183.1	183.1
80°	75.6	79.9	56.7	94.5	168.6	168.6	159.9	149.7	139.5	133.7	133.7
82.5°	50.9	50.9	42.2	59.6	114.8	110.5	104.7	101.7	95.9	93.0	93.0
85°	23.3	29.1	26.2	36.3	62.5	65.4	65.4	62.5	61.0	58.1	59.6
87.5°	7.3	13.1	16.0	20.3	32.0	33.4	34.9	34.9	34.9	36.3	36.3
90°	9.1	16.4	23.5	25.4	39.9	59.2	68.9	61.2	45.9	34.5	34.5
92.5°	36.2	97.9	159.6	175.0	246.0	340.7	388.0	340.0	244.2	172.3	165.4
95°	87.0	199.8	312.7	340.9	605.3	957.9	1134.1	1012.0	767.8	584.7	564.0
97.5°	150.5	250.0	349.5	374.4	815.3	1403.2	1697.1	1620.0	1465.6	1349.9	1310.4
100°	199.4	289.7	379.9	402.5	891.8	1544.1	1870.3	1875.9	1887.2	1895.7	1848.7
102.5°	241.2	325.4	409.6	430.6	926.8	1588.4	1919.2	2017.5	2214.1	2361.5	2321.2
105°	311.8	383.1	454.5	472.3	952.8	1593.4	1913.8	2134.1	2574.9	2905.5	2883.8
107.5°	384.4	450.9	517.3	533.9	957.6	1522.5	1805.0	2112.4	2727.3	3188.4	3193.6
110°	433.3	493.4	553.4	568.4	950.4	1459.6	1714.3	2058.0	2745.4	3260.9	3283.5



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	481.4	538.6	595.7	610.1	950.7	1404.8	1631.8	1983.5	2687.0	3214.7	3249.3
115°	553.9	606.7	659.5	672.7	959.4	1341.8	1533.0	1871.8	2549.5	3057.8	3105.8
117.5°	625.5	673.5	721.4	733.4	977.3	1302.4	1465.0	1770.8	2382.4	2841.1	2894.4
120°	667.3	712.4	757.6	768.8	991.8	1289.2	1437.8	1717.3	2276.1	2695.2	2746.9
122.5°	708.0	753.6	799.1	810.5	1012.6	1282.2	1417.0	1668.6	2171.8	2549.2	2600.3
125°	770.5	812.0	853.6	864.0	1040.7	1276.5	1394.3	1608.1	2035.5	2356.1	2403.1
127.5°	821.3	863.2	905.1	915.6	1068.8	1273.1	1375.2	1558.7	1925.8	2201.1	2240.8
130°	848.6	893.7	938.9	950.1	1089.4	1275.2	1368.0	1531.4	1858.2	2103.2	2139.8
132.5°	876.7	921.8	967.0	978.2	1106.0	1276.5	1361.6	1507.9	1800.4	2019.8	2052.6
135°	918.3	959.4	1000.6	1010.9	1124.1	1275.2	1350.8	1473.3	1718.2	1902.0	1930.2
137.5°	961.0	1001.7	1042.4	1052.5	1151.4	1283.1	1348.9	1452.5	1659.6	1814.9	1838.1
140°	996.3	1033.8	1071.2	1080.6	1167.9	1284.4	1342.6	1432.1	1611.0	1745.2	1766.8
142.5°	1023.5	1058.1	1092.8	1101.5	1181.9	1289.1	1342.6	1421.2	1578.3	1696.1	1714.7
145°	1065.2	1095.5	1125.7	1133.2	1200.0	1289.1	1333.5	1397.8	1526.4	1622.8	1636.8
147.5°	1106.9	1136.3	1165.7	1173.1	1226.6	1297.9	1333.5	1384.1	1485.2	1561.1	1572.8
150°	1134.1	1160.7	1187.2	1193.9	1240.4	1302.5	1333.5	1376.3	1461.6	1525.7	1535.2
152.5°	1162.2	1182.4	1202.5	1207.6	1249.5	1305.5	1333.5	1370.0	1442.9	1497.6	1504.8
155°	1203.9	1218.8	1233.7	1237.4	1269.5	1312.2	1333.5	1362.5	1420.6	1464.1	1468.8
157.5°	1234.7	1249.2	1263.8	1267.4	1289.4	1318.8	1333.5	1356.1	1401.3	1435.1	1438.4
160°	1255.6	1266.9	1278.1	1280.9	1298.5	1321.8	1333.5	1352.9	1391.6	1420.6	1422.5
162.5°	1276.5	1284.9	1293.3	1295.5	1308.1	1325.1	1333.5	1349.8	1382.5	1407.0	1408.8
165°	1299.1	1306.8	1314.4	1316.3	1322.0	1329.7	1333.5	1345.3	1368.6	1386.2	1388.1
167.5°	1320.0	1323.6	1327.2	1328.1	1333.0	1339.4	1342.6	1350.3	1365.6	1377.0	1377.8
170°	1333.5	1337.1	1340.8	1341.7	1342.0	1342.5	1342.6	1350.3	1365.6	1377.0	1377.0
172.5°	1340.8	1341.6	1342.5	1342.6	1342.6	1342.6	1342.6	1348.7	1360.8	1369.8	1369.1
175°	1350.8	1350.8	1350.8	1350.8	1348.1	1344.5	1342.6	1346.4	1354.1	1359.8	1359.8
177.5°	1350.8	1350.8	1350.8	1350.8	1348.7	1345.8	1344.4	1347.4	1353.5	1358.1	1357.3
180°	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3
2.5°	1575.6	1571.2	1575.6	1572.7	1574.1	1569.8	1556.7	1552.3	1556.7	1561.1	1561.1
5°	1594.5	1591.6	1594.5	1594.5	1593.0	1590.1	1575.6	1572.7	1575.6	1577.0	1574.1
7.5°	1600.3	1595.9	1600.3	1597.4	1597.4	1594.5	1580.0	1577.0	1578.5	1582.9	1578.5
10°	1600.3	1595.9	1600.3	1598.8	1597.4	1594.5	1580.0	1574.1	1574.1	1578.5	1574.1
12.5°	1593.0	1590.1	1593.0	1590.1	1590.1	1587.2	1572.7	1566.9	1568.3	1569.8	1564.0
15°	1581.4	1577.0	1581.4	1578.5	1580.0	1575.6	1559.6	1553.8	1553.8	1556.7	1546.5
17.5°	1564.0	1558.2	1564.0	1562.5	1561.1	1558.2	1543.6	1537.8	1536.3	1537.8	1530.5
20°	1543.6	1539.3	1543.6	1542.2	1542.2	1536.3	1521.8	1514.5	1514.5	1514.5	1507.3
22.5°	1511.6	1507.3	1511.6	1514.5	1514.5	1513.1	1500.0	1489.8	1486.9	1486.9	1478.2
25°	1475.3	1470.9	1475.3	1475.3	1473.8	1475.3	1470.9	1465.1	1460.8	1456.4	1447.7
27.5°	1440.4	1437.5	1440.4	1437.5	1440.4	1436.1	1434.6	1433.2	1427.3	1423.0	1411.3
30°	1405.5	1402.6	1405.5	1402.6	1399.7	1396.8	1389.5	1386.6	1392.5	1389.5	1370.7
32.5°	1361.9	1359.0	1361.9	1361.9	1359.0	1359.0	1347.4	1343.0	1344.5	1353.2	1335.8
35°	1316.9	1312.5	1316.9	1315.4	1316.9	1312.5	1305.2	1303.8	1298.0	1308.1	1295.1
37.5°	1264.5	1260.2	1264.5	1264.5	1264.5	1267.5	1261.6	1257.3	1248.6	1261.6	1251.5
40°	1210.8	1205.0	1210.8	1209.3	1210.8	1213.7	1210.8	1207.9	1199.1	1209.3	1200.6
42.5°	1149.7	1148.3	1149.7	1151.2	1151.2	1157.0	1161.3	1155.5	1152.6	1145.4	1151.2
45°	1084.3	1081.4	1084.3	1087.2	1088.7	1091.6	1104.7	1104.7	1100.3	1088.7	1097.4
47.5°	1014.5	1007.3	1014.5	1023.3	1023.3	1027.6	1040.7	1050.9	1043.6	1029.1	1033.4
50°	940.4	941.9	940.4	946.2	946.2	962.2	972.4	982.6	989.8	972.4	952.0
52.5°	867.7	866.3	867.7	872.1	877.9	885.2	902.6	912.8	924.4	914.3	882.3
55°	795.1	798.0	795.1	796.5	799.4	803.8	829.9	840.1	861.9	848.8	815.4
57.5°	722.4	718.0	722.4	725.3	726.8	731.1	752.9	771.8	784.9	786.3	745.6
60°	638.1	632.3	638.1	651.2	654.1	657.0	677.3	694.8	706.4	710.8	668.6
62.5°	564.0	553.8	564.0	572.7	578.5	585.8	600.3	626.5	636.6	638.1	578.5
65°	485.5	481.1	485.5	502.9	504.4	513.1	529.1	548.0	569.8	566.9	481.1
67.5°	414.2	414.2	414.2	425.9	434.6	439.0	459.3	468.0	495.6	498.6	401.2
70°	348.8	347.4	348.8	357.6	363.4	373.5	392.4	402.6	424.4	431.7	325.6
72.5°	286.3	284.9	286.3	293.6	299.4	308.1	324.1	335.8	354.7	363.4	252.9
75°	231.1	228.2	231.1	236.9	235.5	247.1	260.2	271.8	289.2	295.1	187.5
77.5°	177.3	177.3	177.3	183.1	183.1	194.8	200.6	215.1	225.3	234.0	138.1
80°	132.3	130.8	132.3	133.7	133.7	139.5	149.7	159.9	168.6	168.6	94.5
82.5°	93.0	90.1	93.0	93.0	93.0	95.9	101.7	104.7	110.5	114.8	59.6
85°	58.1	58.1	58.1	59.6	58.1	61.0	62.5	65.4	65.4	62.5	36.3
87.5°	37.8	36.3	37.8	36.3	36.3	34.9	34.9	34.9	33.4	32.0	20.3
90°	34.5	34.5	34.5	34.5	34.5	45.9	61.2	68.9	59.2	39.9	25.4
92.5°	138.0	110.6	138.0	165.4	172.3	244.2	340.0	388.0	340.7	246.0	175.0
95°	480.9	398.0	480.9	564.0	584.7	767.8	1012.0	1134.1	957.9	605.3	340.9
97.5°	1152.4	994.5	1152.4	1310.4	1349.9	1465.6	1620.0	1697.1	1403.2	815.3	374.4
100°	1660.5	1472.3	1660.5	1848.7	1895.7	1887.2	1875.9	1870.3	1544.1	891.8	402.5
102.5°	2160.1	1999.0	2160.1	2321.2	2361.5	2214.1	2017.5	1919.2	1588.4	926.8	430.6
105°	2797.2	2710.6	2797.2	2883.8	2905.5	2574.9	2134.1	1913.8	1593.4	952.8	472.3
107.5°	3214.6	3235.5	3214.6	3193.6	3188.4	2727.3	2112.4	1805.0	1522.5	957.6	533.9
110°	3373.7	3464.0	3373.7	3283.5	3260.9	2745.4	2058.0	1714.3	1459.6	950.4	568.4





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CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-6-3500K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3387.9	3526.5	3387.9	3249.3	3214.7	2687.0	1983.5	1631.8	1404.8	950.7	610.1
115°	3298.0	3490.2	3298.0	3105.8	3057.8	2549.5	1871.8	1533.0	1341.8	959.4	672.7
117.5°	3107.6	3320.8	3107.6	2894.4	2841.1	2382.4	1770.8	1465.0	1302.4	977.3	733.4
120°	2954.1	3161.2	2954.1	2746.9	2695.2	2276.1	1717.3	1437.8	1289.2	991.8	768.8
122.5°	2804.6	3008.8	2804.6	2600.3	2549.2	2171.8	1668.6	1417.0	1282.2	1012.6	810.5
125°	2591.3	2779.5	2591.3	2403.1	2356.1	2035.5	1608.1	1394.3	1276.5	1040.7	864.0
127.5°	2399.5	2558.4	2399.5	2240.8	2201.1	1925.8	1558.7	1375.2	1273.1	1068.8	915.6
130°	2286.5	2433.2	2286.5	2139.8	2103.2	1858.2	1531.4	1368.0	1275.2	1089.4	950.1
132.5°	2183.9	2315.3	2183.9	2052.6	2019.8	1800.4	1507.9	1361.6	1276.5	1106.0	978.2
135°	2043.5	2156.7	2043.5	1930.2	1902.0	1718.2	1473.3	1350.8	1275.2	1124.1	1010.9
137.5°	1930.8	2023.5	1930.8	1838.1	1814.9	1659.6	1452.5	1348.9	1283.1	1151.4	1052.5
140°	1853.4	1940.0	1853.4	1766.8	1745.2	1611.0	1432.1	1342.6	1284.4	1167.9	1080.6
142.5°	1789.4	1863.9	1789.4	1714.7	1696.1	1578.3	1421.2	1342.6	1289.1	1181.9	1101.5
145°	1693.2	1749.6	1693.2	1636.8	1622.8	1526.4	1397.8	1333.5	1289.1	1200.0	1133.2
147.5°	1619.5	1666.3	1619.5	1572.8	1561.1	1485.2	1384.1	1333.5	1297.9	1226.6	1173.1
150°	1573.1	1611.0	1573.1	1535.2	1525.7	1461.6	1376.3	1333.5	1302.5	1240.4	1193.9
152.5°	1533.3	1562.0	1533.3	1504.8	1497.6	1442.9	1370.0	1333.5	1305.5	1249.5	1207.6
155°	1487.7	1506.7	1487.7	1468.8	1464.1	1420.6	1362.5	1333.5	1312.2	1269.5	1237.4
157.5°	1451.8	1465.0	1451.8	1438.4	1435.1	1401.3	1356.1	1333.5	1318.8	1289.4	1267.4
160°	1430.1	1437.8	1430.1	1422.5	1420.6	1391.6	1352.9	1333.5	1321.8	1298.5	1280.9
162.5°	1416.0	1423.3	1416.0	1408.8	1407.0	1382.5	1349.8	1333.5	1325.1	1308.1	1295.5
165°	1395.7	1403.3	1395.7	1388.1	1386.2	1368.6	1345.3	1333.5	1329.7	1322.0	1316.3
167.5°	1381.1	1384.3	1381.1	1377.8	1377.0	1365.6	1350.3	1342.6	1339.4	1333.0	1328.1
170°	1377.0	1377.0	1377.0	1377.0	1377.0	1365.6	1350.3	1342.6	1342.5	1342.0	1341.7
172.5°	1366.3	1363.5	1366.3	1369.1	1369.8	1360.8	1348.7	1342.6	1342.6	1342.6	1342.6
175°	1359.8	1359.8	1359.8	1359.8	1359.8	1354.1	1346.4	1342.6	1344.5	1348.1	1350.8
177.5°	1354.0	1350.8	1354.0	1357.3	1358.1	1353.5	1347.4	1344.4	1345.8	1348.7	1350.8
180°	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8



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CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-6-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3
2.5°	1558.2	1549.4	1549.4	1534.9	1529.1	1524.7	1517.5	1495.7	1489.8	1484.0	1492.7
5°	1571.2	1555.2	1543.6	1517.5	1495.7	1486.9	1459.3	1407.0	1372.1	1345.9	1331.4
7.5°	1574.1	1553.8	1532.0	1491.3	1439.0	1415.7	1331.4	1235.5	1209.3	1186.1	1171.5
10°	1571.2	1548.0	1517.5	1456.4	1332.9	1292.2	1207.9	1145.4	1129.4	1125.0	1129.4
12.5°	1561.1	1539.3	1497.1	1395.4	1222.4	1194.8	1145.4	1109.0	1106.1	1113.4	1152.6
15°	1543.6	1523.3	1473.8	1314.0	1161.3	1141.0	1106.1	1093.0	1109.0	1159.9	1277.6
17.5°	1526.2	1502.9	1441.9	1234.0	1114.8	1100.3	1075.6	1101.8	1191.9	1260.2	1299.4
20°	1502.9	1475.3	1405.5	1175.9	1081.4	1068.3	1056.7	1174.4	1242.7	1267.5	1289.3
22.5°	1475.3	1446.2	1356.1	1135.2	1046.5	1036.3	1043.6	1215.1	1242.7	1260.2	1279.1
25°	1439.0	1414.3	1298.0	1103.2	1018.9	1007.3	1034.9	1210.8	1226.8	1231.1	1268.9
27.5°	1405.5	1373.6	1236.9	1074.1	985.5	981.1	1042.2	1191.9	1203.5	1207.9	1248.6
30°	1364.8	1316.9	1168.6	1043.6	950.6	949.1	1043.6	1168.6	1165.7	1177.3	1218.0
32.5°	1322.7	1232.6	1091.6	1005.8	917.2	915.7	1033.4	1133.7	1130.8	1146.8	1177.3
35°	1283.4	1167.2	986.9	962.2	875.0	876.5	1008.7	1093.0	1094.5	1109.0	1127.9
37.5°	1242.7	1110.5	872.1	914.3	834.3	834.3	975.3	1055.2	1052.3	1056.7	1082.9
40°	1194.8	1021.8	770.4	851.8	796.5	792.2	934.6	1014.5	1004.4	1002.9	1039.3
42.5°	1143.9	924.4	694.8	768.9	752.9	747.1	885.2	965.1	946.2	950.6	997.1
45°	1088.7	898.3	636.6	649.7	707.9	703.5	831.4	908.4	895.4	907.0	954.9
47.5°	1033.4	845.9	617.7	539.2	659.9	658.4	771.8	853.2	845.9	857.6	908.4
50°	957.9	787.8	616.3	462.2	606.1	611.9	700.6	799.4	799.4	809.6	863.4
52.5°	860.5	716.6	559.6	418.6	543.6	561.1	638.1	752.9	755.8	766.0	814.0
55°	771.8	642.4	518.9	385.2	469.5	507.3	577.0	704.9	710.8	720.9	764.5
57.5°	690.4	534.9	510.2	345.9	401.2	437.5	523.3	658.4	661.3	670.1	712.2
60°	603.2	386.6	468.0	303.8	341.6	369.2	473.8	603.2	613.4	619.2	655.5
62.5°	504.4	280.5	424.4	274.7	312.5	318.3	433.1	550.9	564.0	568.3	590.1
65°	359.0	235.5	360.5	250.0	282.0	283.4	389.5	497.1	508.7	516.0	532.0
67.5°	242.7	191.9	274.7	226.7	258.7	260.2	347.4	434.6	450.6	456.4	466.6
70°	168.6	127.9	203.5	202.0	232.6	235.5	302.3	377.9	392.4	396.8	402.6
72.5°	123.5	103.2	168.6	181.7	204.9	207.9	255.8	314.0	328.5	332.9	335.8
75°	94.5	109.0	136.6	158.4	174.4	175.9	209.3	255.8	266.0	268.9	270.4
77.5°	75.6	101.7	100.3	127.9	142.4	139.5	164.2	197.7	206.4	206.4	206.4
80°	56.7	79.9	75.6	91.6	104.7	101.7	117.7	141.0	143.9	146.8	145.4
82.5°	42.2	50.9	50.9	58.1	69.8	66.9	78.5	91.6	91.6	91.6	94.5
85°	26.2	29.1	23.3	30.5	39.2	37.8	43.6	49.4	50.9	50.9	48.0
87.5°	16.0	13.1	7.3	11.6	17.4	17.4	20.3	21.8	20.3	20.3	20.3
90°	23.5	16.4	9.1	16.4	23.5	25.4	39.9	59.2	68.9	61.2	45.9
92.5°	159.6	97.9	36.2	97.9	159.6	175.0	246.0	340.7	388.0	340.0	244.2
95°	312.7	199.8	87.0	199.8	312.7	340.9	605.3	957.9	1134.1	1012.0	767.8
97.5°	349.5	250.0	150.5	250.0	349.5	374.4	815.3	1403.2	1697.1	1620.0	1465.6
100°	379.9	289.7	199.4	289.7	379.9	402.5	891.8	1544.1	1870.3	1875.9	1887.2
102.5°	409.6	325.4	241.2	325.4	409.6	430.6	926.8	1588.4	1919.2	2017.5	2214.1
105°	454.5	383.1	311.8	383.1	454.5	472.3	952.8	1593.4	1913.8	2134.1	2574.9
107.5°	517.3	450.9	384.4	450.9	517.3	533.9	957.6	1522.5	1805.0	2112.4	2727.3
110°	553.4	493.4	433.3	493.4	553.4	568.4	950.4	1459.6	1714.3	2058.0	2745.4



TEST NUMBER: P935989

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-6-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	595.7	538.6	481.4	538.6	595.7	610.1	950.7	1404.8	1631.8	1983.5	2687.0
115°	659.5	606.7	553.9	606.7	659.5	672.7	959.4	1341.8	1533.0	1871.8	2549.5
117.5°	721.4	673.5	625.5	673.5	721.4	733.4	977.3	1302.4	1465.0	1770.8	2382.4
120°	757.6	712.4	667.3	712.4	757.6	768.8	991.8	1289.2	1437.8	1717.3	2276.1
122.5°	799.1	753.6	708.0	753.6	799.1	810.5	1012.6	1282.2	1417.0	1668.6	2171.8
125°	853.6	812.0	770.5	812.0	853.6	864.0	1040.7	1276.5	1394.3	1608.1	2035.5
127.5°	905.1	863.2	821.3	863.2	905.1	915.6	1068.8	1273.1	1375.2	1558.7	1925.8
130°	938.9	893.7	848.6	893.7	938.9	950.1	1089.4	1275.2	1368.0	1531.4	1858.2
132.5°	967.0	921.8	876.7	921.8	967.0	978.2	1106.0	1276.5	1361.6	1507.9	1800.4
135°	1000.6	959.4	918.3	959.4	1000.6	1010.9	1124.1	1275.2	1350.8	1473.3	1718.2
137.5°	1042.4	1001.7	961.0	1001.7	1042.4	1052.5	1151.4	1283.1	1348.9	1452.5	1659.6
140°	1071.2	1033.8	996.3	1033.8	1071.2	1080.6	1167.9	1284.4	1342.6	1432.1	1611.0
142.5°	1092.8	1058.1	1023.5	1058.1	1092.8	1101.5	1181.9	1289.1	1342.6	1421.2	1578.3
145°	1125.7	1095.5	1065.2	1095.5	1125.7	1133.2	1200.0	1289.1	1333.5	1397.8	1526.4
147.5°	1165.7	1136.3	1106.9	1136.3	1165.7	1173.1	1226.6	1297.9	1333.5	1384.1	1485.2
150°	1187.2	1160.7	1134.1	1160.7	1187.2	1193.9	1240.4	1302.5	1333.5	1376.3	1461.6
152.5°	1202.5	1182.4	1162.2	1182.4	1202.5	1207.6	1249.5	1305.5	1333.5	1370.0	1442.9
155°	1233.7	1218.8	1203.9	1218.8	1233.7	1237.4	1269.5	1312.2	1333.5	1362.5	1420.6
157.5°	1263.8	1249.2	1234.7	1249.2	1263.8	1267.4	1289.4	1318.8	1333.5	1356.1	1401.3
160°	1278.1	1266.9	1255.6	1266.9	1278.1	1280.9	1298.5	1321.8	1333.5	1352.9	1391.6
162.5°	1293.3	1284.9	1276.5	1284.9	1293.3	1295.5	1308.1	1325.1	1333.5	1349.8	1382.5
165°	1314.4	1306.8	1299.1	1306.8	1314.4	1316.3	1322.0	1329.7	1333.5	1345.3	1368.6
167.5°	1327.2	1323.6	1320.0	1323.6	1327.2	1328.1	1333.0	1339.4	1342.6	1350.3	1365.6
170°	1340.8	1337.1	1333.5	1337.1	1340.8	1341.7	1342.0	1342.5	1342.6	1350.3	1365.6
172.5°	1342.5	1341.6	1340.8	1341.6	1342.5	1342.6	1342.6	1342.6	1342.6	1348.7	1360.8
175°	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1348.1	1344.5	1342.6	1346.4	1354.1
177.5°	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1348.7	1345.8	1344.4	1347.4	1353.5
180°	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8



TEST NUMBER: P935989

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-6-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3
2.5°	1482.6	1478.2	1484.0	1468.0	1484.0	1478.2	1482.6	1492.7	1484.0	1489.8	1495.7
5°	1300.9	1293.6	1270.4	1251.5	1270.4	1293.6	1300.9	1331.4	1345.9	1372.1	1407.0
7.5°	1162.8	1157.0	1151.2	1139.5	1151.2	1157.0	1162.8	1171.5	1186.1	1209.3	1235.5
10°	1132.3	1133.7	1142.5	1141.0	1142.5	1133.7	1132.3	1129.4	1125.0	1129.4	1145.4
12.5°	1210.8	1223.8	1271.8	1268.9	1271.8	1223.8	1210.8	1152.6	1113.4	1106.1	1109.0
15°	1300.9	1305.2	1315.4	1316.9	1315.4	1305.2	1300.9	1277.6	1159.9	1109.0	1093.0
17.5°	1309.6	1311.1	1318.3	1318.3	1318.3	1311.1	1309.6	1299.4	1260.2	1191.9	1101.8
20°	1302.3	1305.2	1319.8	1322.7	1319.8	1305.2	1302.3	1289.3	1267.5	1242.7	1174.4
22.5°	1299.4	1305.2	1316.9	1315.4	1316.9	1305.2	1299.4	1279.1	1260.2	1242.7	1215.1
25°	1284.9	1284.9	1286.3	1287.8	1286.3	1284.9	1284.9	1268.9	1231.1	1226.8	1210.8
27.5°	1254.4	1257.3	1266.0	1264.5	1266.0	1257.3	1254.4	1248.6	1207.9	1203.5	1191.9
30°	1226.8	1223.8	1216.6	1210.8	1216.6	1223.8	1226.8	1218.0	1177.3	1165.7	1168.6
32.5°	1180.2	1173.0	1165.7	1161.3	1165.7	1173.0	1180.2	1177.3	1146.8	1130.8	1133.7
35°	1125.0	1126.5	1125.0	1120.6	1125.0	1126.5	1125.0	1127.9	1109.0	1094.5	1093.0
37.5°	1085.8	1088.7	1087.2	1081.4	1087.2	1088.7	1085.8	1082.9	1056.7	1052.3	1055.2
40°	1045.1	1046.5	1045.1	1040.7	1045.1	1046.5	1045.1	1039.3	1002.9	1004.4	1014.5
42.5°	1005.8	1004.4	1000.0	997.1	1000.0	1004.4	1005.8	997.1	950.6	946.2	965.1
45°	960.8	962.2	953.5	949.1	953.5	962.2	960.8	954.9	907.0	895.4	908.4
47.5°	915.7	915.7	908.4	904.1	908.4	915.7	915.7	908.4	857.6	845.9	853.2
50°	867.7	866.3	856.1	854.7	856.1	866.3	867.7	863.4	809.6	799.4	799.4
52.5°	812.5	812.5	814.0	816.9	814.0	812.5	812.5	814.0	766.0	755.8	752.9
55°	764.5	766.0	776.2	779.1	776.2	766.0	764.5	764.5	720.9	710.8	704.9
57.5°	715.1	715.1	722.4	722.4	722.4	715.1	715.1	712.2	670.1	661.3	658.4
60°	658.4	661.3	667.2	665.7	667.2	661.3	658.4	655.5	619.2	613.4	603.2
62.5°	598.8	601.7	603.2	600.3	603.2	601.7	598.8	590.1	568.3	564.0	550.9
65°	536.3	539.2	540.7	537.8	540.7	539.2	536.3	532.0	516.0	508.7	497.1
67.5°	472.4	470.9	469.5	475.3	469.5	470.9	472.4	466.6	456.4	450.6	434.6
70°	407.0	407.0	405.5	408.4	405.5	407.0	407.0	402.6	396.8	392.4	377.9
72.5°	337.2	335.8	341.6	337.2	341.6	335.8	337.2	335.8	332.9	328.5	314.0
75°	268.9	271.8	268.9	273.3	268.9	271.8	268.9	270.4	268.9	266.0	255.8
77.5°	204.9	207.9	204.9	204.9	204.9	207.9	204.9	206.4	206.4	206.4	197.7
80°	145.4	143.9	143.9	142.4	143.9	143.9	145.4	145.4	146.8	143.9	141.0
82.5°	93.0	91.6	91.6	94.5	91.6	91.6	93.0	94.5	91.6	91.6	91.6
85°	50.9	52.3	49.4	49.4	49.4	52.3	50.9	48.0	50.9	50.9	49.4
87.5°	18.9	17.4	17.4	17.4	17.4	17.4	18.9	20.3	20.3	20.3	21.8
90°	34.5	34.5	34.5	34.5	34.5	34.5	34.5	45.9	61.2	68.9	59.2
92.5°	172.3	165.4	138.0	110.6	138.0	165.4	172.3	244.2	340.0	388.0	340.7
95°	584.7	564.0	480.9	398.0	480.9	564.0	584.7	767.8	1012.0	1134.1	957.9
97.5°	1349.9	1310.4	1152.4	994.5	1152.4	1310.4	1349.9	1465.6	1620.0	1697.1	1403.2
100°	1895.7	1848.7	1660.5	1472.3	1660.5	1848.7	1895.7	1887.2	1875.9	1870.3	1544.1
102.5°	2361.5	2321.2	2160.1	1999.0	2160.1	2321.2	2361.5	2214.1	2017.5	1919.2	1588.4
105°	2905.5	2883.8	2797.2	2710.6	2797.2	2883.8	2905.5	2574.9	2134.1	1913.8	1593.4
107.5°	3188.4	3193.6	3214.6	3235.5	3214.6	3193.6	3188.4	2727.3	2112.4	1805.0	1522.5
110°	3260.9	3283.5	3373.7	3464.0	3373.7	3283.5	3260.9	2745.4	2058.0	1714.3	1459.6



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3214.7	3249.3	3387.9	3526.5	3387.9	3249.3	3214.7	2687.0	1983.5	1631.8	1404.8
115°	3057.8	3105.8	3298.0	3490.2	3298.0	3105.8	3057.8	2549.5	1871.8	1533.0	1341.8
117.5°	2841.1	2894.4	3107.6	3320.8	3107.6	2894.4	2841.1	2382.4	1770.8	1465.0	1302.4
120°	2695.2	2746.9	2954.1	3161.2	2954.1	2746.9	2695.2	2276.1	1717.3	1437.8	1289.2
122.5°	2549.2	2600.3	2804.6	3008.8	2804.6	2600.3	2549.2	2171.8	1668.6	1417.0	1282.2
125°	2356.1	2403.1	2591.3	2779.5	2591.3	2403.1	2356.1	2035.5	1608.1	1394.3	1276.5
127.5°	2201.1	2240.8	2399.5	2558.4	2399.5	2240.8	2201.1	1925.8	1558.7	1375.2	1273.1
130°	2103.2	2139.8	2286.5	2433.2	2286.5	2139.8	2103.2	1858.2	1531.4	1368.0	1275.2
132.5°	2019.8	2052.6	2183.9	2315.3	2183.9	2052.6	2019.8	1800.4	1507.9	1361.6	1276.5
135°	1902.0	1930.2	2043.5	2156.7	2043.5	1930.2	1902.0	1718.2	1473.3	1350.8	1275.2
137.5°	1814.9	1838.1	1930.8	2023.5	1930.8	1838.1	1814.9	1659.6	1452.5	1348.9	1283.1
140°	1745.2	1766.8	1853.4	1940.0	1853.4	1766.8	1745.2	1611.0	1432.1	1342.6	1284.4
142.5°	1696.1	1714.7	1789.4	1863.9	1789.4	1714.7	1696.1	1578.3	1421.2	1342.6	1289.1
145°	1622.8	1636.8	1693.2	1749.6	1693.2	1636.8	1622.8	1526.4	1397.8	1333.5	1289.1
147.5°	1561.1	1572.8	1619.5	1666.3	1619.5	1572.8	1561.1	1485.2	1384.1	1333.5	1297.9
150°	1525.7	1535.2	1573.1	1611.0	1573.1	1535.2	1525.7	1461.6	1376.3	1333.5	1302.5
152.5°	1497.6	1504.8	1533.3	1562.0	1533.3	1504.8	1497.6	1442.9	1370.0	1333.5	1305.5
155°	1464.1	1468.8	1487.7	1506.7	1487.7	1468.8	1464.1	1420.6	1362.5	1333.5	1312.2
157.5°	1435.1	1438.4	1451.8	1465.0	1451.8	1438.4	1435.1	1401.3	1356.1	1333.5	1318.8
160°	1420.6	1422.5	1430.1	1437.8	1430.1	1422.5	1420.6	1391.6	1352.9	1333.5	1321.8
162.5°	1407.0	1408.8	1416.0	1423.3	1416.0	1408.8	1407.0	1382.5	1349.8	1333.5	1325.1
165°	1386.2	1388.1	1395.7	1403.3	1395.7	1388.1	1386.2	1368.6	1345.3	1333.5	1329.7
167.5°	1377.0	1377.8	1381.1	1384.3	1381.1	1377.8	1377.0	1365.6	1350.3	1342.6	1339.4
170°	1377.0	1377.0	1377.0	1377.0	1377.0	1377.0	1377.0	1365.6	1350.3	1342.6	1342.5
172.5°	1369.8	1369.1	1366.3	1363.5	1366.3	1369.1	1369.8	1360.8	1348.7	1342.6	1342.6
175°	1359.8	1359.8	1359.8	1359.8	1359.8	1359.8	1359.8	1354.1	1346.4	1342.6	1344.5
177.5°	1358.1	1357.3	1354.0	1350.8	1354.0	1357.3	1358.1	1353.5	1347.4	1344.4	1345.8
180°	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1536.3	1536.3	1536.3	1536.3	1536.3
2.5°	1517.5	1524.7	1529.1	1534.9	1549.4
5°	1459.3	1486.9	1495.7	1517.5	1543.6
7.5°	1331.4	1415.7	1439.0	1491.3	1532.0
10°	1207.9	1292.2	1332.9	1456.4	1517.5
12.5°	1145.4	1194.8	1222.4	1395.4	1497.1
15°	1106.1	1141.0	1161.3	1314.0	1473.8
17.5°	1075.6	1100.3	1114.8	1234.0	1441.9
20°	1056.7	1068.3	1081.4	1175.9	1405.5
22.5°	1043.6	1036.3	1046.5	1135.2	1356.1
25°	1034.9	1007.3	1018.9	1103.2	1298.0
27.5°	1042.2	981.1	985.5	1074.1	1236.9
30°	1043.6	949.1	950.6	1043.6	1168.6
32.5°	1033.4	915.7	917.2	1005.8	1091.6
35°	1008.7	876.5	875.0	962.2	986.9
37.5°	975.3	834.3	834.3	914.3	872.1
40°	934.6	792.2	796.5	851.8	770.4
42.5°	885.2	747.1	752.9	768.9	694.8
45°	831.4	703.5	707.9	649.7	636.6
47.5°	771.8	658.4	659.9	539.2	617.7
50°	700.6	611.9	606.1	462.2	616.3
52.5°	638.1	561.1	543.6	418.6	559.6
55°	577.0	507.3	469.5	385.2	518.9
57.5°	523.3	437.5	401.2	345.9	510.2
60°	473.8	369.2	341.6	303.8	468.0
62.5°	433.1	318.3	312.5	274.7	424.4
65°	389.5	283.4	282.0	250.0	360.5
67.5°	347.4	260.2	258.7	226.7	274.7
70°	302.3	235.5	232.6	202.0	203.5
72.5°	255.8	207.9	204.9	181.7	168.6
75°	209.3	175.9	174.4	158.4	136.6
77.5°	164.2	139.5	142.4	127.9	100.3
80°	117.7	101.7	104.7	91.6	75.6
82.5°	78.5	66.9	69.8	58.1	50.9
85°	43.6	37.8	39.2	30.5	23.3
87.5°	20.3	17.4	17.4	11.6	7.3
90°	39.9	25.4	23.5	16.4	9.1
92.5°	246.0	175.0	159.6	97.9	36.2
95°	605.3	340.9	312.7	199.8	87.0
97.5°	815.3	374.4	349.5	250.0	150.5
100°	891.8	402.5	379.9	289.7	199.4
102.5°	926.8	430.6	409.6	325.4	241.2
105°	952.8	472.3	454.5	383.1	311.8
107.5°	957.6	533.9	517.3	450.9	384.4
110°	950.4	568.4	553.4	493.4	433.3



TEST NUMBER: P935989

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-6-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	950.7	610.1	595.7	538.6	481.4
115°	959.4	672.7	659.5	606.7	553.9
117.5°	977.3	733.4	721.4	673.5	625.5
120°	991.8	768.8	757.6	712.4	667.3
122.5°	1012.6	810.5	799.1	753.6	708.0
125°	1040.7	864.0	853.6	812.0	770.5
127.5°	1068.8	915.6	905.1	863.2	821.3
130°	1089.4	950.1	938.9	893.7	848.6
132.5°	1106.0	978.2	967.0	921.8	876.7
135°	1124.1	1010.9	1000.6	959.4	918.3
137.5°	1151.4	1052.5	1042.4	1001.7	961.0
140°	1167.9	1080.6	1071.2	1033.8	996.3
142.5°	1181.9	1101.5	1092.8	1058.1	1023.5
145°	1200.0	1133.2	1125.7	1095.5	1065.2
147.5°	1226.6	1173.1	1165.7	1136.3	1106.9
150°	1240.4	1193.9	1187.2	1160.7	1134.1
152.5°	1249.5	1207.6	1202.5	1182.4	1162.2
155°	1269.5	1237.4	1233.7	1218.8	1203.9
157.5°	1289.4	1267.4	1263.8	1249.2	1234.7
160°	1298.5	1280.9	1278.1	1266.9	1255.6
162.5°	1308.1	1295.5	1293.3	1284.9	1276.5
165°	1322.0	1316.3	1314.4	1306.8	1299.1
167.5°	1333.0	1328.1	1327.2	1323.6	1320.0
170°	1342.0	1341.7	1340.8	1337.1	1333.5
172.5°	1342.6	1342.6	1342.5	1341.6	1340.8
175°	1348.1	1350.8	1350.8	1350.8	1350.8
177.5°	1348.7	1350.8	1350.8	1350.8	1350.8
180°	1350.8	1350.8	1350.8	1350.8	1350.8



TEST NUMBER: P935989  
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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	10.59	11.30	11.69	12.40	13.92	13.41	14.13	14.51	15.22	16.74
	3H	11.05	11.69	12.16	12.80	14.33	14.74	15.38	15.85	16.49	18.02
	4H	11.24	11.84	12.36	12.95	14.49	15.18	15.79	16.30	16.89	18.43
	6H	11.35	11.91	12.48	13.02	14.57	15.45	16.01	16.58	17.12	18.67
	8H	11.34	11.88	12.48	13.00	14.55	15.52	16.06	16.66	17.18	18.73
	12H	11.31	11.81	12.45	12.94	14.50	15.56	16.06	16.69	17.18	18.75
4H	2H	11.60	12.21	12.73	13.32	14.85	13.80	14.41	14.93	15.52	17.06
	3H	12.61	13.12	13.75	14.25	15.80	15.29	15.80	16.43	16.93	18.48
	4H	12.88	13.35	14.02	14.47	16.04	15.81	16.28	16.95	17.40	18.97
	6H	13.00	13.40	14.14	14.54	16.11	16.17	16.57	17.31	17.71	19.27
	8H	13.00	13.37	14.15	14.51	16.09	16.27	16.64	17.41	17.78	19.36
	12H	12.96	13.30	14.12	14.45	16.03	16.32	16.66	17.48	17.81	19.39
8H	4H	13.32	13.69	14.47	14.83	16.41	15.92	16.30	17.07	17.44	19.01
	6H	13.58	13.89	14.74	15.07	16.64	16.35	16.66	17.52	17.84	19.42
	8H	13.62	13.89	14.79	15.05	16.64	16.50	16.77	17.67	17.93	19.53
	12H	13.60	13.83	14.77	14.99	16.62	16.59	16.83	17.77	17.99	19.62
12H	4H	13.32	13.66	14.48	14.81	16.39	15.88	16.22	17.04	17.37	18.95
	6H	13.64	13.91	14.81	15.07	16.66	16.35	16.62	17.52	17.78	19.37
	8H	13.70	13.93	14.87	15.09	16.72	16.50	16.74	17.68	17.90	19.52