

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: P935990

Luminaire Tested: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-6-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935990
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-6-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

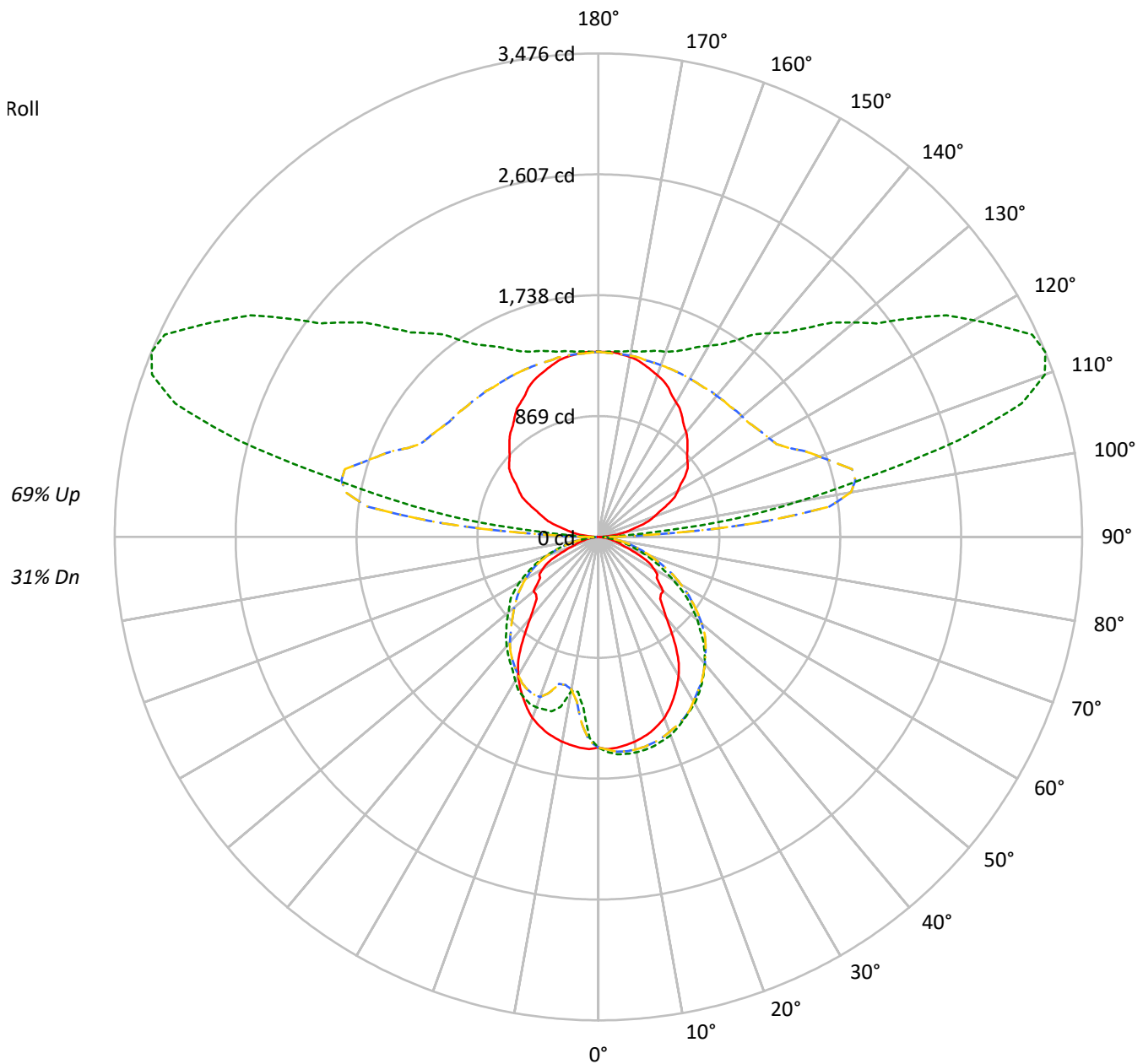
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12561.1 lumens
Efficiency: N/A
Efficacy: 131.7 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										
RC	80									70									50									30									10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0														
RCR	0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	39	39	39	39	39	31														
	1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	34	34	33	33	33	33	33	33	26														
	2	85	78	72	67	76	70	65	61	56	52	49	43	40	38	30	29	28	28	28	28	28	28	22														
	3	78	69	61	56	70	62	56	51	49	45	42	38	35	32	27	25	24	24	24	24	24	24	19														
	4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	20	20	20	20	20	16														
	5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	18	18	18	18	18	14														
	6	60	48	40	35	54	44	37	32	35	30	26	27	23	21	19	17	15	15	15	15	15	15	12														
	7	55	43	36	30	49	39	33	28	32	27	23	24	21	18	18	15	14	14	14	14	14	14	11														
	8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	12	12	12	12	12	10														
	9	47	36	28	23	43	32	26	22	26	21	18	20	17	14	15	13	11	11	11	11	11	11	9														
	10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	10	10	10	10	10	8														

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9367	9367	9367	9367
5°	9433	9455	9433	7435
10°	9367	9314	9367	6659
15°	9262	9112	9262	7609
20°	9064	8873	9064	7625
25°	8664	8524	8664	7463
30°	8148	8235	8148	7109
35°	7261	7869	7261	6719
40°	6046	7438	6046	6424
45°	5399	6933	5399	6085
50°	5732	6332	5732	5745
55°	5387	5683	5387	5548
60°	5547	4827	5547	5082
65°	5021	3990	5021	4460
70°	3468	3180	3468	3738
75°	3031	2351	3031	2815
80°	2425	1554	2425	1692
85°	1365	823	1365	700

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8280 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.7	1.1
10°-20°	388.1	3.1
20°-30°	599.9	4.8
30°-40°	716.1	5.7
40°-50°	720.3	5.7
50°-60°	626.8	5.0
60°-70°	444.4	3.5
70°-80°	235.1	1.9
80°-90°	63.6	0.5
90°-100°	648.9	5.2
100°-110°	1706.1	13.6
110°-120°	1769.0	14.1
120°-130°	1418.9	11.3
130°-140°	1113.4	8.9
140°-150°	854.6	6.8
150°-160°	615.4	4.9
160°-170°	376.6	3.0
170°-180°	127.2	1.0
0°-30°	1124.6	9.0
0°-40°	1840.8	14.7
0°-60°	3187.9	25.4
0°-90°	3931.0	31.3
90°-120°	4124.0	32.8
90°-150°	7510.9	59.8
90°-180°	8630.0	68.7
0°-180°	12561.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1514	1514	1514	1514	1514	
5°	1521	1569	1521	1233	1521	144
15°	1453	1554	1453	1298	1453	409
25°	1279	1450	1279	1269	1279	587
35°	973	1294	973	1104	973	602
45°	627	1066	627	935	627	503
55°	511	786	511	768	511	470
65°	355	474	355	530	355	340
75°	135	225	135	269	135	142
85°	23	57	23	49	23	31
90°	9	34	9	34	9	8
95°	86	392	86	392	86	95
105°	307	2671	307	2671	307	326
115°	546	3440	546	3440	546	539
125°	759	2739	759	2739	759	674
135°	905	2126	905	2126	905	700
145°	1050	1724	1050	1724	1050	658
155°	1186	1485	1186	1485	1186	545
165°	1280	1383	1280	1383	1280	361
175°	1331	1340	1331	1340	1331	126
180°	1331	1331	1331	1331	1331	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2
2.5°	1527.0	1527.0	1535.6	1538.5	1538.5	1534.2	1529.9	1534.2	1547.1	1551.4	1550.0
5°	1521.3	1532.8	1548.5	1551.4	1554.3	1552.8	1550.0	1552.8	1567.2	1570.0	1571.5
7.5°	1509.9	1531.3	1551.4	1555.7	1560.0	1555.7	1554.3	1557.1	1571.5	1574.3	1574.3
10°	1495.5	1525.6	1548.5	1551.4	1555.7	1551.4	1551.4	1557.1	1571.5	1574.3	1575.8
12.5°	1475.5	1517.0	1538.5	1541.4	1547.1	1545.7	1544.2	1550.0	1564.3	1567.2	1567.2
15°	1452.6	1501.3	1521.3	1524.2	1534.2	1531.3	1531.3	1537.1	1552.8	1557.1	1555.7
17.5°	1421.0	1481.2	1504.1	1508.4	1515.6	1514.2	1515.6	1521.3	1535.6	1538.5	1539.9
20°	1385.2	1454.0	1481.2	1485.5	1492.7	1492.7	1492.7	1499.8	1514.2	1519.9	1519.9
22.5°	1336.5	1425.3	1454.0	1456.9	1465.4	1465.4	1468.3	1478.3	1491.2	1492.7	1492.7
25°	1279.2	1393.8	1418.2	1426.8	1435.4	1439.7	1444.0	1449.7	1454.0	1452.6	1454.0
27.5°	1219.1	1353.7	1385.2	1391.0	1402.4	1406.7	1412.4	1413.9	1415.3	1419.6	1416.7
30°	1151.7	1297.8	1345.1	1350.8	1369.5	1372.3	1366.6	1369.5	1376.6	1379.5	1382.4
32.5°	1075.8	1214.8	1303.6	1316.5	1333.7	1325.1	1323.6	1327.9	1339.4	1339.4	1342.3
35°	972.7	1150.3	1264.9	1276.4	1289.2	1279.2	1285.0	1286.4	1293.5	1297.8	1296.4
37.5°	859.5	1094.4	1224.8	1233.4	1243.4	1230.5	1239.1	1243.4	1249.1	1246.3	1246.3
40°	759.2	1007.0	1177.5	1183.2	1191.8	1181.8	1190.4	1193.3	1196.1	1193.3	1191.8
42.5°	684.7	911.1	1127.4	1134.5	1128.8	1136.0	1138.8	1144.6	1140.3	1134.5	1134.5
45°	627.4	885.3	1072.9	1081.5	1072.9	1084.4	1088.7	1088.7	1075.8	1072.9	1071.5
47.5°	608.8	833.7	1018.5	1018.5	1014.2	1028.5	1035.7	1025.7	1012.8	1008.5	1008.5
50°	607.4	776.4	944.0	938.3	958.3	975.5	968.4	958.3	948.3	932.6	932.6
52.5°	551.5	706.2	848.0	869.5	901.0	911.1	899.6	889.6	872.4	865.2	859.5
55°	511.4	633.2	760.7	803.6	836.6	849.5	828.0	818.0	792.2	787.9	785.0
57.5°	502.8	527.2	680.4	734.9	775.0	773.6	760.7	742.0	720.5	716.2	714.8
60°	461.3	381.0	594.5	658.9	700.5	696.2	684.7	667.5	647.5	644.6	641.8
62.5°	418.3	276.5	497.1	570.1	628.9	627.4	617.4	591.6	577.3	570.1	564.4
65°	355.3	232.1	353.8	474.2	558.7	561.5	540.1	521.4	505.7	497.1	495.6
67.5°	270.7	189.1	239.2	395.4	491.3	488.5	461.3	452.7	432.6	428.3	419.7
70°	200.5	126.1	166.2	320.9	425.5	418.3	396.8	386.8	368.2	358.1	352.4
72.5°	166.2	101.7	121.8	249.3	358.1	349.5	330.9	319.4	303.7	295.1	289.4
75°	134.7	107.4	93.1	184.8	290.8	285.1	267.9	256.4	243.5	232.1	233.5
77.5°	98.8	100.3	74.5	136.1	230.6	222.0	212.0	197.7	192.0	180.5	180.5
80°	74.5	78.8	55.9	93.1	166.2	166.2	157.6	147.5	137.5	131.8	131.8
82.5°	50.1	50.1	41.5	58.7	113.2	108.9	103.1	100.3	94.5	91.7	91.7
85°	22.9	28.6	25.8	35.8	61.6	64.5	64.5	61.6	60.2	57.3	58.7
87.5°	7.2	12.9	15.8	20.1	31.5	32.9	34.4	34.4	34.4	35.8	35.8
90°	9.0	16.1	23.2	25.0	39.3	58.4	67.9	60.4	45.3	34.0	34.0
92.5°	35.7	96.5	157.3	172.5	242.5	335.8	382.4	335.1	240.7	169.8	163.0
95°	85.8	196.9	308.2	336.0	596.6	944.0	1117.7	997.4	756.7	576.2	555.8
97.5°	148.3	246.4	344.5	369.0	803.5	1382.9	1672.6	1596.6	1444.4	1330.4	1291.4
100°	196.5	285.5	374.5	396.7	878.9	1521.8	1843.2	1848.8	1860.0	1868.3	1821.9
102.5°	237.7	320.7	403.7	424.4	913.5	1565.4	1891.5	1988.3	2182.1	2327.4	2287.7
105°	307.3	377.6	447.9	465.5	939.1	1570.4	1886.1	2103.3	2537.7	2863.6	2842.2
107.5°	378.8	444.4	509.9	526.2	943.7	1500.5	1778.9	2081.9	2687.8	3142.3	3147.5
110°	427.1	486.3	545.4	560.2	936.7	1438.5	1689.5	2028.2	2705.7	3213.8	3236.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	474.4	530.8	587.1	601.3	937.0	1384.5	1608.2	1954.9	2648.2	3168.2	3202.4
115°	545.9	597.9	650.0	663.0	945.5	1322.4	1510.8	1844.8	2512.7	3013.6	3061.0
117.5°	616.5	663.7	711.0	722.8	963.2	1283.6	1443.9	1745.3	2348.0	2800.1	2852.6
120°	657.6	702.1	746.6	757.7	977.4	1270.5	1417.0	1692.5	2243.2	2656.2	2707.2
122.5°	697.8	742.7	787.6	798.8	998.0	1263.7	1396.5	1644.5	2140.4	2512.4	2562.7
125°	759.4	800.3	841.3	851.5	1025.7	1258.0	1374.1	1584.8	2006.1	2322.1	2368.4
127.5°	809.5	850.7	892.1	902.4	1053.4	1254.7	1355.3	1536.2	1898.0	2169.3	2208.4
130°	836.3	880.8	925.3	936.4	1073.7	1256.8	1348.3	1509.3	1831.3	2072.8	2108.9
132.5°	864.0	908.5	953.0	964.1	1090.0	1258.0	1342.0	1486.1	1774.4	1990.6	2023.0
135°	905.1	945.5	986.1	996.3	1107.9	1256.8	1331.3	1452.0	1693.4	1874.5	1902.4
137.5°	947.1	987.2	1027.3	1037.3	1134.7	1264.5	1329.5	1431.5	1635.6	1788.7	1811.5
140°	981.9	1018.9	1055.8	1065.0	1151.1	1265.9	1323.2	1411.4	1587.7	1720.0	1741.3
142.5°	1008.7	1042.9	1077.0	1085.5	1164.8	1270.4	1323.2	1400.7	1555.5	1671.6	1690.0
145°	1049.8	1079.6	1109.4	1116.9	1182.7	1270.4	1314.3	1377.6	1504.3	1599.3	1613.2
147.5°	1090.9	1119.9	1148.9	1156.1	1208.8	1279.1	1314.3	1364.1	1463.7	1538.5	1550.1
150°	1117.7	1143.9	1170.1	1176.7	1222.5	1283.7	1314.3	1356.4	1440.5	1503.6	1513.0
152.5°	1145.4	1165.3	1185.2	1190.1	1231.5	1286.7	1314.3	1350.2	1422.1	1476.0	1483.0
155°	1186.5	1201.2	1215.9	1219.5	1251.1	1293.3	1314.3	1342.8	1400.0	1442.9	1447.6
157.5°	1216.9	1231.2	1245.5	1249.0	1270.8	1299.8	1314.3	1336.5	1381.0	1414.4	1417.6
160°	1237.5	1248.6	1259.6	1262.4	1279.7	1302.7	1314.3	1333.4	1371.5	1400.0	1401.9
162.5°	1258.0	1266.3	1274.6	1276.7	1289.2	1306.0	1314.3	1330.3	1362.5	1386.7	1388.5
165°	1280.4	1287.9	1295.4	1297.3	1302.9	1310.5	1314.3	1325.8	1348.8	1366.1	1368.0
167.5°	1300.9	1304.4	1308.1	1308.9	1313.7	1320.1	1323.2	1330.8	1345.9	1357.2	1357.9
170°	1314.3	1317.8	1321.4	1322.3	1322.6	1323.1	1323.2	1330.8	1345.9	1357.2	1357.2
172.5°	1321.4	1322.2	1323.1	1323.2	1323.2	1323.2	1323.2	1329.2	1341.1	1350.0	1349.3
175°	1331.3	1331.3	1331.3	1331.3	1328.6	1325.1	1323.2	1327.0	1334.5	1340.2	1340.2
177.5°	1331.3	1331.3	1331.3	1331.3	1329.2	1326.4	1325.0	1327.9	1333.9	1338.4	1337.7
180°	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2
2.5°	1552.8	1548.5	1552.8	1550.0	1551.4	1547.1	1534.2	1529.9	1534.2	1538.5	1538.5
5°	1571.5	1568.6	1571.5	1571.5	1570.0	1567.2	1552.8	1550.0	1552.8	1554.3	1551.4
7.5°	1577.2	1572.9	1577.2	1574.3	1574.3	1571.5	1557.1	1554.3	1555.7	1560.0	1555.7
10°	1577.2	1572.9	1577.2	1575.8	1574.3	1571.5	1557.1	1551.4	1551.4	1555.7	1551.4
12.5°	1570.0	1567.2	1570.0	1567.2	1567.2	1564.3	1550.0	1544.2	1545.7	1547.1	1541.4
15°	1558.6	1554.3	1558.6	1555.7	1557.1	1552.8	1537.1	1531.3	1531.3	1534.2	1524.2
17.5°	1541.4	1535.6	1541.4	1539.9	1538.5	1535.6	1521.3	1515.6	1514.2	1515.6	1508.4
20°	1521.3	1517.0	1521.3	1519.9	1519.9	1514.2	1499.8	1492.7	1492.7	1492.7	1485.5
22.5°	1489.8	1485.5	1489.8	1492.7	1492.7	1491.2	1478.3	1468.3	1465.4	1465.4	1456.9
25°	1454.0	1449.7	1454.0	1454.0	1452.6	1454.0	1449.7	1444.0	1439.7	1435.4	1426.8
27.5°	1419.6	1416.7	1419.6	1416.7	1419.6	1415.3	1413.9	1412.4	1406.7	1402.4	1391.0
30°	1385.2	1382.4	1385.2	1382.4	1379.5	1376.6	1369.5	1366.6	1372.3	1369.5	1350.8
32.5°	1342.3	1339.4	1342.3	1342.3	1339.4	1339.4	1327.9	1323.6	1325.1	1333.7	1316.5
35°	1297.8	1293.5	1297.8	1296.4	1297.8	1293.5	1286.4	1285.0	1279.2	1289.2	1276.4
37.5°	1246.3	1242.0	1246.3	1246.3	1246.3	1249.1	1243.4	1239.1	1230.5	1243.4	1233.4
40°	1193.3	1187.5	1193.3	1191.8	1193.3	1196.1	1193.3	1190.4	1181.8	1191.8	1183.2
42.5°	1133.1	1131.7	1133.1	1134.5	1134.5	1140.3	1144.6	1138.8	1136.0	1128.8	1134.5
45°	1068.6	1065.8	1068.6	1071.5	1072.9	1075.8	1088.7	1088.7	1084.4	1072.9	1081.5
47.5°	999.9	992.7	999.9	1008.5	1008.5	1012.8	1025.7	1035.7	1028.5	1014.2	1018.5
50°	926.8	928.3	926.8	932.6	932.6	948.3	958.3	968.4	975.5	958.3	938.3
52.5°	855.2	853.8	855.2	859.5	865.2	872.4	889.6	899.6	911.1	901.0	869.5
55°	783.6	786.4	783.6	785.0	787.9	792.2	818.0	828.0	849.5	836.6	803.6
57.5°	712.0	707.7	712.0	714.8	716.2	720.5	742.0	760.7	773.6	775.0	734.9
60°	628.9	623.1	628.9	641.8	644.6	647.5	667.5	684.7	696.2	700.5	658.9
62.5°	555.8	545.8	555.8	564.4	570.1	577.3	591.6	617.4	627.4	628.9	570.1
65°	478.5	474.2	478.5	495.6	497.1	505.7	521.4	540.1	561.5	558.7	474.2
67.5°	408.3	408.3	408.3	419.7	428.3	432.6	452.7	461.3	488.5	491.3	395.4
70°	343.8	342.4	343.8	352.4	358.1	368.2	386.8	396.8	418.3	425.5	320.9
72.5°	282.2	280.8	282.2	289.4	295.1	303.7	319.4	330.9	349.5	358.1	249.3
75°	227.8	224.9	227.8	233.5	232.1	243.5	256.4	267.9	285.1	290.8	184.8
77.5°	174.8	174.8	174.8	180.5	180.5	192.0	197.7	212.0	222.0	230.6	136.1
80°	130.4	128.9	130.4	131.8	131.8	137.5	147.5	157.6	166.2	166.2	93.1
82.5°	91.7	88.8	91.7	91.7	91.7	94.5	100.3	103.1	108.9	113.2	58.7
85°	57.3	57.3	57.3	58.7	57.3	60.2	61.6	64.5	64.5	61.6	35.8
87.5°	37.2	35.8	37.2	35.8	35.8	34.4	34.4	34.4	32.9	31.5	20.1
90°	34.0	34.0	34.0	34.0	34.0	45.3	60.4	67.9	58.4	39.3	25.0
92.5°	136.0	109.0	136.0	163.0	169.8	240.7	335.1	382.4	335.8	242.5	172.5
95°	474.0	392.2	474.0	555.8	576.2	756.7	997.4	1117.7	944.0	596.6	336.0
97.5°	1135.8	980.1	1135.8	1291.4	1330.4	1444.4	1596.6	1672.6	1382.9	803.5	369.0
100°	1636.5	1451.0	1636.5	1821.9	1868.3	1860.0	1848.8	1843.2	1521.8	878.9	396.7
102.5°	2128.9	1970.1	2128.9	2287.7	2327.4	2182.1	1988.3	1891.5	1565.4	913.5	424.4
105°	2756.8	2671.4	2756.8	2842.2	2863.6	2537.7	2103.3	1886.1	1570.4	939.1	465.5
107.5°	3168.1	3188.7	3168.1	3147.5	3142.3	2687.8	2081.9	1778.9	1500.5	943.7	526.2
110°	3324.9	3413.9	3324.9	3236.0	3213.8	2705.7	2028.2	1689.5	1438.5	936.7	560.2



TEST NUMBER: P935990

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3339.0	3475.5	3339.0	3202.4	3168.2	2648.2	1954.9	1608.2	1384.5	937.0	601.3
115°	3250.3	3439.8	3250.3	3061.0	3013.6	2512.7	1844.8	1510.8	1322.4	945.5	663.0
117.5°	3062.7	3272.8	3062.7	2852.6	2800.1	2348.0	1745.3	1443.9	1283.6	963.2	722.8
120°	2911.4	3115.5	2911.4	2707.2	2656.2	2243.2	1692.5	1417.0	1270.5	977.4	757.7
122.5°	2764.1	2965.4	2764.1	2562.7	2512.4	2140.4	1644.5	1396.5	1263.7	998.0	798.8
125°	2553.9	2739.3	2553.9	2368.4	2322.1	2006.1	1584.8	1374.1	1258.0	1025.7	851.5
127.5°	2364.9	2521.4	2364.9	2208.4	2169.3	1898.0	1536.2	1355.3	1254.7	1053.4	902.4
130°	2253.5	2398.0	2253.5	2108.9	2072.8	1831.3	1509.3	1348.3	1256.8	1073.7	936.4
132.5°	2152.4	2281.9	2152.4	2023.0	1990.6	1774.4	1486.1	1342.0	1258.0	1090.0	964.1
135°	2014.0	2125.5	2014.0	1902.4	1874.5	1693.4	1452.0	1331.3	1256.8	1107.9	996.3
137.5°	1902.9	1994.2	1902.9	1811.5	1788.7	1635.6	1431.5	1329.5	1264.5	1134.7	1037.3
140°	1826.6	1912.0	1826.6	1741.3	1720.0	1587.7	1411.4	1323.2	1265.9	1151.1	1065.0
142.5°	1763.5	1836.9	1763.5	1690.0	1671.6	1555.5	1400.7	1323.2	1270.4	1164.8	1085.5
145°	1668.8	1724.3	1668.8	1613.2	1599.3	1504.3	1377.6	1314.3	1270.4	1182.7	1116.9
147.5°	1596.1	1642.2	1596.1	1550.1	1538.5	1463.7	1364.1	1314.3	1279.1	1208.8	1156.1
150°	1550.3	1587.7	1550.3	1513.0	1503.6	1440.5	1356.4	1314.3	1283.7	1222.5	1176.7
152.5°	1511.2	1539.5	1511.2	1483.0	1476.0	1422.1	1350.2	1314.3	1286.7	1231.5	1190.1
155°	1466.2	1484.9	1466.2	1447.6	1442.9	1400.0	1342.8	1314.3	1293.3	1251.1	1219.5
157.5°	1430.8	1443.9	1430.8	1417.6	1414.4	1381.0	1336.5	1314.3	1299.8	1270.8	1249.0
160°	1409.5	1417.0	1409.5	1401.9	1400.0	1371.5	1333.4	1314.3	1302.7	1279.7	1262.4
162.5°	1395.5	1402.7	1395.5	1388.5	1386.7	1362.5	1330.3	1314.3	1306.0	1289.2	1276.7
165°	1375.5	1383.0	1375.5	1368.0	1366.1	1348.8	1325.8	1314.3	1310.5	1302.9	1297.3
167.5°	1361.2	1364.3	1361.2	1357.9	1357.2	1345.9	1330.8	1323.2	1320.1	1313.7	1308.9
170°	1357.2	1357.2	1357.2	1357.2	1357.2	1345.9	1330.8	1323.2	1323.1	1322.6	1322.3
172.5°	1346.6	1343.8	1346.6	1349.3	1350.0	1341.1	1329.2	1323.2	1323.2	1323.2	1323.2
175°	1340.2	1340.2	1340.2	1340.2	1340.2	1334.5	1327.0	1323.2	1325.1	1328.6	1331.3
177.5°	1334.4	1331.3	1334.4	1337.7	1338.4	1333.9	1327.9	1325.0	1326.4	1329.2	1331.3
180°	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3



TEST NUMBER: P935990

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2
2.5°	1535.6	1527.0	1527.0	1512.7	1507.0	1502.7	1495.5	1474.0	1468.3	1462.6	1471.2
5°	1548.5	1532.8	1521.3	1495.5	1474.0	1465.4	1438.2	1386.7	1352.3	1326.5	1312.2
7.5°	1551.4	1531.3	1509.9	1469.7	1418.2	1395.3	1312.2	1217.6	1191.8	1168.9	1154.6
10°	1548.5	1525.6	1495.5	1435.4	1313.6	1273.5	1190.4	1128.8	1113.1	1108.8	1113.1
12.5°	1538.5	1517.0	1475.5	1375.2	1204.7	1177.5	1128.8	1093.0	1090.1	1097.3	1136.0
15°	1521.3	1501.3	1452.6	1295.0	1144.6	1124.5	1090.1	1077.2	1093.0	1143.1	1259.2
17.5°	1504.1	1481.2	1421.0	1216.2	1098.7	1084.4	1060.0	1085.8	1174.6	1242.0	1280.7
20°	1481.2	1454.0	1385.2	1158.9	1065.8	1052.9	1041.4	1157.5	1224.8	1249.1	1270.6
22.5°	1454.0	1425.3	1336.5	1118.8	1031.4	1021.4	1028.5	1197.6	1224.8	1242.0	1260.6
25°	1418.2	1393.8	1279.2	1087.3	1004.2	992.7	1019.9	1193.3	1209.0	1213.3	1250.6
27.5°	1385.2	1353.7	1219.1	1058.6	971.2	966.9	1027.1	1174.6	1186.1	1190.4	1230.5
30°	1345.1	1297.8	1151.7	1028.5	936.9	935.4	1028.5	1151.7	1148.9	1160.3	1200.4
32.5°	1303.6	1214.8	1075.8	991.3	903.9	902.5	1018.5	1117.4	1114.5	1130.2	1160.3
35°	1264.9	1150.3	972.7	948.3	862.4	863.8	994.2	1077.2	1078.7	1093.0	1111.6
37.5°	1224.8	1094.4	859.5	901.0	822.3	822.3	961.2	1040.0	1037.1	1041.4	1067.2
40°	1177.5	1007.0	759.2	839.4	785.0	780.7	921.1	999.9	989.9	988.4	1024.2
42.5°	1127.4	911.1	684.7	757.8	742.0	736.3	872.4	951.2	932.6	936.9	982.7
45°	1072.9	885.3	627.4	640.3	697.6	693.3	819.4	895.3	882.4	893.9	941.2
47.5°	1018.5	833.7	608.8	531.5	650.4	648.9	760.7	840.9	833.7	845.2	895.3
50°	944.0	776.4	607.4	455.5	597.4	603.1	690.5	787.9	787.9	797.9	850.9
52.5°	848.0	706.2	551.5	412.6	535.8	552.9	628.9	742.0	744.9	754.9	802.2
55°	760.7	633.2	511.4	379.6	462.7	499.9	568.7	694.8	700.5	710.5	753.5
57.5°	680.4	527.2	502.8	340.9	395.4	431.2	515.7	648.9	651.8	660.4	701.9
60°	594.5	381.0	461.3	299.4	336.6	363.9	467.0	594.5	604.5	610.2	646.1
62.5°	497.1	276.5	418.3	270.7	308.0	313.7	426.9	542.9	555.8	560.1	581.6
65°	353.8	232.1	355.3	246.4	277.9	279.3	383.9	489.9	501.4	508.5	524.3
67.5°	239.2	189.1	270.7	223.5	255.0	256.4	342.4	428.3	444.1	449.8	459.8
70°	166.2	126.1	200.5	199.1	229.2	232.1	298.0	372.4	386.8	391.1	396.8
72.5°	121.8	101.7	166.2	179.1	202.0	204.8	252.1	309.4	323.7	328.0	330.9
75°	93.1	107.4	134.7	156.1	171.9	173.3	206.3	252.1	262.1	265.0	266.4
77.5°	74.5	100.3	98.8	126.1	140.4	137.5	161.9	194.8	203.4	203.4	203.4
80°	55.9	78.8	74.5	90.2	103.1	100.3	116.0	139.0	141.8	144.7	143.2
82.5°	41.5	50.1	50.1	57.3	68.8	65.9	77.4	90.2	90.2	90.2	93.1
85°	25.8	28.6	22.9	30.1	38.7	37.2	43.0	48.7	50.1	50.1	47.3
87.5°	15.8	12.9	7.2	11.5	17.2	17.2	20.1	21.5	20.1	20.1	20.1
90°	23.2	16.1	9.0	16.1	23.2	25.0	39.3	58.4	67.9	60.4	45.3
92.5°	157.3	96.5	35.7	96.5	157.3	172.5	242.5	335.8	382.4	335.1	240.7
95°	308.2	196.9	85.8	196.9	308.2	336.0	596.6	944.0	1117.7	997.4	756.7
97.5°	344.5	246.4	148.3	246.4	344.5	369.0	803.5	1382.9	1672.6	1596.6	1444.4
100°	374.5	285.5	196.5	285.5	374.5	396.7	878.9	1521.8	1843.2	1848.8	1860.0
102.5°	403.7	320.7	237.7	320.7	403.7	424.4	913.5	1565.4	1891.5	1988.3	2182.1
105°	447.9	377.6	307.3	377.6	447.9	465.5	939.1	1570.4	1886.1	2103.3	2537.7
107.5°	509.9	444.4	378.8	444.4	509.9	526.2	943.7	1500.5	1778.9	2081.9	2687.8
110°	545.4	486.3	427.1	486.3	545.4	560.2	936.7	1438.5	1689.5	2028.2	2705.7



TEST NUMBER: P935990

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	587.1	530.8	474.4	530.8	587.1	601.3	937.0	1384.5	1608.2	1954.9	2648.2
115°	650.0	597.9	545.9	597.9	650.0	663.0	945.5	1322.4	1510.8	1844.8	2512.7
117.5°	711.0	663.7	616.5	663.7	711.0	722.8	963.2	1283.6	1443.9	1745.3	2348.0
120°	746.6	702.1	657.6	702.1	746.6	757.7	977.4	1270.5	1417.0	1692.5	2243.2
122.5°	787.6	742.7	697.8	742.7	787.6	798.8	998.0	1263.7	1396.5	1644.5	2140.4
125°	841.3	800.3	759.4	800.3	841.3	851.5	1025.7	1258.0	1374.1	1584.8	2006.1
127.5°	892.1	850.7	809.5	850.7	892.1	902.4	1053.4	1254.7	1355.3	1536.2	1898.0
130°	925.3	880.8	836.3	880.8	925.3	936.4	1073.7	1256.8	1348.3	1509.3	1831.3
132.5°	953.0	908.5	864.0	908.5	953.0	964.1	1090.0	1258.0	1342.0	1486.1	1774.4
135°	986.1	945.5	905.1	945.5	986.1	996.3	1107.9	1256.8	1331.3	1452.0	1693.4
137.5°	1027.3	987.2	947.1	987.2	1027.3	1037.3	1134.7	1264.5	1329.5	1431.5	1635.6
140°	1055.8	1018.9	981.9	1018.9	1055.8	1065.0	1151.1	1265.9	1323.2	1411.4	1587.7
142.5°	1077.0	1042.9	1008.7	1042.9	1077.0	1085.5	1164.8	1270.4	1323.2	1400.7	1555.5
145°	1109.4	1079.6	1049.8	1079.6	1109.4	1116.9	1182.7	1270.4	1314.3	1377.6	1504.3
147.5°	1148.9	1119.9	1090.9	1119.9	1148.9	1156.1	1208.8	1279.1	1314.3	1364.1	1463.7
150°	1170.1	1143.9	1117.7	1143.9	1170.1	1176.7	1222.5	1283.7	1314.3	1356.4	1440.5
152.5°	1185.2	1165.3	1145.4	1165.3	1185.2	1190.1	1231.5	1286.7	1314.3	1350.2	1422.1
155°	1215.9	1201.2	1186.5	1201.2	1215.9	1219.5	1251.1	1293.3	1314.3	1342.8	1400.0
157.5°	1245.5	1231.2	1216.9	1231.2	1245.5	1249.0	1270.8	1299.8	1314.3	1336.5	1381.0
160°	1259.6	1248.6	1237.5	1248.6	1259.6	1262.4	1279.7	1302.7	1314.3	1333.4	1371.5
162.5°	1274.6	1266.3	1258.0	1266.3	1274.6	1276.7	1289.2	1306.0	1314.3	1330.3	1362.5
165°	1295.4	1287.9	1280.4	1287.9	1295.4	1297.3	1302.9	1310.5	1314.3	1325.8	1348.8
167.5°	1308.1	1304.4	1300.9	1304.4	1308.1	1308.9	1313.7	1320.1	1323.2	1330.8	1345.9
170°	1321.4	1317.8	1314.3	1317.8	1321.4	1322.3	1322.6	1323.1	1323.2	1330.8	1345.9
172.5°	1323.1	1322.2	1321.4	1322.2	1323.1	1323.2	1323.2	1323.2	1323.2	1329.2	1341.1
175°	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1328.6	1325.1	1323.2	1327.0	1334.5
177.5°	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1329.2	1326.4	1325.0	1327.9	1333.9
180°	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3



TEST NUMBER: P935990

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2
2.5°	1461.1	1456.9	1462.6	1446.8	1462.6	1456.9	1461.1	1471.2	1462.6	1468.3	1474.0
5°	1282.1	1274.9	1252.0	1233.4	1252.0	1274.9	1282.1	1312.2	1326.5	1352.3	1386.7
7.5°	1146.0	1140.3	1134.5	1123.1	1134.5	1140.3	1146.0	1154.6	1168.9	1191.8	1217.6
10°	1115.9	1117.4	1125.9	1124.5	1125.9	1117.4	1115.9	1113.1	1108.8	1113.1	1128.8
12.5°	1193.3	1206.2	1253.4	1250.6	1253.4	1206.2	1193.3	1136.0	1097.3	1090.1	1093.0
15°	1282.1	1286.4	1296.4	1297.8	1296.4	1286.4	1282.1	1259.2	1143.1	1093.0	1077.2
17.5°	1290.7	1292.1	1299.3	1299.3	1299.3	1292.1	1290.7	1280.7	1242.0	1174.6	1085.8
20°	1283.5	1286.4	1300.7	1303.6	1300.7	1286.4	1283.5	1270.6	1249.1	1224.8	1157.5
22.5°	1280.7	1286.4	1297.8	1296.4	1297.8	1286.4	1280.7	1260.6	1242.0	1224.8	1197.6
25°	1266.3	1266.3	1267.8	1269.2	1267.8	1266.3	1266.3	1250.6	1213.3	1209.0	1193.3
27.5°	1236.2	1239.1	1247.7	1246.3	1247.7	1239.1	1236.2	1230.5	1190.4	1186.1	1174.6
30°	1209.0	1206.2	1199.0	1193.3	1199.0	1206.2	1209.0	1200.4	1160.3	1148.9	1151.7
32.5°	1163.2	1156.0	1148.9	1144.6	1148.9	1156.0	1163.2	1160.3	1130.2	1114.5	1117.4
35°	1108.8	1110.2	1108.8	1104.5	1108.8	1110.2	1108.8	1111.6	1093.0	1078.7	1077.2
37.5°	1070.1	1072.9	1071.5	1065.8	1071.5	1072.9	1070.1	1067.2	1041.4	1037.1	1040.0
40°	1030.0	1031.4	1030.0	1025.7	1030.0	1031.4	1030.0	1024.2	988.4	989.9	999.9
42.5°	991.3	989.9	985.6	982.7	985.6	989.9	991.3	982.7	936.9	932.6	951.2
45°	946.9	948.3	939.7	935.4	939.7	948.3	946.9	941.2	893.9	882.4	895.3
47.5°	902.5	902.5	895.3	891.0	895.3	902.5	902.5	895.3	845.2	833.7	840.9
50°	855.2	853.8	843.7	842.3	843.7	853.8	855.2	850.9	797.9	787.9	787.9
52.5°	800.8	800.8	802.2	805.1	802.2	800.8	800.8	802.2	754.9	744.9	742.0
55°	753.5	754.9	765.0	767.8	765.0	754.9	753.5	753.5	710.5	700.5	694.8
57.5°	704.8	704.8	712.0	712.0	712.0	704.8	704.8	701.9	660.4	651.8	648.9
60°	648.9	651.8	657.5	656.1	657.5	651.8	648.9	646.1	610.2	604.5	594.5
62.5°	590.2	593.1	594.5	591.6	594.5	593.1	590.2	581.6	560.1	555.8	542.9
65°	528.6	531.5	532.9	530.0	532.9	531.5	528.6	524.3	508.5	501.4	489.9
67.5°	465.6	464.1	462.7	468.4	462.7	464.1	465.6	459.8	449.8	444.1	428.3
70°	401.1	401.1	399.7	402.5	399.7	401.1	401.1	396.8	391.1	386.8	372.4
72.5°	332.3	330.9	336.6	332.3	336.6	330.9	332.3	330.9	328.0	323.7	309.4
75°	265.0	267.9	265.0	269.3	265.0	267.9	265.0	266.4	265.0	262.1	252.1
77.5°	202.0	204.8	202.0	202.0	202.0	204.8	202.0	203.4	203.4	203.4	194.8
80°	143.2	141.8	141.8	140.4	141.8	141.8	143.2	143.2	144.7	141.8	139.0
82.5°	91.7	90.2	90.2	93.1	90.2	90.2	91.7	93.1	90.2	90.2	90.2
85°	50.1	51.6	48.7	48.7	48.7	51.6	50.1	47.3	50.1	50.1	48.7
87.5°	18.6	17.2	17.2	17.2	17.2	17.2	18.6	20.1	20.1	20.1	21.5
90°	34.0	34.0	34.0	34.0	34.0	34.0	34.0	45.3	60.4	67.9	58.4
92.5°	169.8	163.0	136.0	109.0	136.0	163.0	169.8	240.7	335.1	382.4	335.8
95°	576.2	555.8	474.0	392.2	474.0	555.8	576.2	756.7	997.4	1117.7	944.0
97.5°	1330.4	1291.4	1135.8	980.1	1135.8	1291.4	1330.4	1444.4	1596.6	1672.6	1382.9
100°	1868.3	1821.9	1636.5	1451.0	1636.5	1821.9	1868.3	1860.0	1848.8	1843.2	1521.8
102.5°	2327.4	2287.7	2128.9	1970.1	2128.9	2287.7	2327.4	2182.1	1988.3	1891.5	1565.4
105°	2863.6	2842.2	2756.8	2671.4	2756.8	2842.2	2863.6	2537.7	2103.3	1886.1	1570.4
107.5°	3142.3	3147.5	3168.1	3188.7	3168.1	3147.5	3142.3	2687.8	2081.9	1778.9	1500.5
110°	3213.8	3236.0	3324.9	3413.9	3324.9	3236.0	3213.8	2705.7	2028.2	1689.5	1438.5



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3168.2	3202.4	3339.0	3475.5	3339.0	3202.4	3168.2	2648.2	1954.9	1608.2	1384.5
115°	3013.6	3061.0	3250.3	3439.8	3250.3	3061.0	3013.6	2512.7	1844.8	1510.8	1322.4
117.5°	2800.1	2852.6	3062.7	3272.8	3062.7	2852.6	2800.1	2348.0	1745.3	1443.9	1283.6
120°	2656.2	2707.2	2911.4	3115.5	2911.4	2707.2	2656.2	2243.2	1692.5	1417.0	1270.5
122.5°	2512.4	2562.7	2764.1	2965.4	2764.1	2562.7	2512.4	2140.4	1644.5	1396.5	1263.7
125°	2322.1	2368.4	2553.9	2739.3	2553.9	2368.4	2322.1	2006.1	1584.8	1374.1	1258.0
127.5°	2169.3	2208.4	2364.9	2521.4	2364.9	2208.4	2169.3	1898.0	1536.2	1355.3	1254.7
130°	2072.8	2108.9	2253.5	2398.0	2253.5	2108.9	2072.8	1831.3	1509.3	1348.3	1256.8
132.5°	1990.6	2023.0	2152.4	2281.9	2152.4	2023.0	1990.6	1774.4	1486.1	1342.0	1258.0
135°	1874.5	1902.4	2014.0	2125.5	2014.0	1902.4	1874.5	1693.4	1452.0	1331.3	1256.8
137.5°	1788.7	1811.5	1902.9	1994.2	1902.9	1811.5	1788.7	1635.6	1431.5	1329.5	1264.5
140°	1720.0	1741.3	1826.6	1912.0	1826.6	1741.3	1720.0	1587.7	1411.4	1323.2	1265.9
142.5°	1671.6	1690.0	1763.5	1836.9	1763.5	1690.0	1671.6	1555.5	1400.7	1323.2	1270.4
145°	1599.3	1613.2	1668.8	1724.3	1668.8	1613.2	1599.3	1504.3	1377.6	1314.3	1270.4
147.5°	1538.5	1550.1	1596.1	1642.2	1596.1	1550.1	1538.5	1463.7	1364.1	1314.3	1279.1
150°	1503.6	1513.0	1550.3	1587.7	1550.3	1513.0	1503.6	1440.5	1356.4	1314.3	1283.7
152.5°	1476.0	1483.0	1511.2	1539.5	1511.2	1483.0	1476.0	1422.1	1350.2	1314.3	1286.7
155°	1442.9	1447.6	1466.2	1484.9	1466.2	1447.6	1442.9	1400.0	1342.8	1314.3	1293.3
157.5°	1414.4	1417.6	1430.8	1443.9	1430.8	1417.6	1414.4	1381.0	1336.5	1314.3	1299.8
160°	1400.0	1401.9	1409.5	1417.0	1409.5	1401.9	1400.0	1371.5	1333.4	1314.3	1302.7
162.5°	1386.7	1388.5	1395.5	1402.7	1395.5	1388.5	1386.7	1362.5	1330.3	1314.3	1306.0
165°	1366.1	1368.0	1375.5	1383.0	1375.5	1368.0	1366.1	1348.8	1325.8	1314.3	1310.5
167.5°	1357.2	1357.9	1361.2	1364.3	1361.2	1357.9	1357.2	1345.9	1330.8	1323.2	1320.1
170°	1357.2	1357.2	1357.2	1357.2	1357.2	1357.2	1357.2	1345.9	1330.8	1323.2	1323.1
172.5°	1350.0	1349.3	1346.6	1343.8	1346.6	1349.3	1350.0	1341.1	1329.2	1323.2	1323.2
175°	1340.2	1340.2	1340.2	1340.2	1340.2	1340.2	1340.2	1334.5	1327.0	1323.2	1325.1
177.5°	1338.4	1337.7	1334.4	1331.3	1334.4	1337.7	1338.4	1333.9	1327.9	1325.0	1326.4
180°	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1514.2	1514.2	1514.2	1514.2	1514.2
2.5°	1495.5	1502.7	1507.0	1512.7	1527.0
5°	1438.2	1465.4	1474.0	1495.5	1521.3
7.5°	1312.2	1395.3	1418.2	1469.7	1509.9
10°	1190.4	1273.5	1313.6	1435.4	1495.5
12.5°	1128.8	1177.5	1204.7	1375.2	1475.5
15°	1090.1	1124.5	1144.6	1295.0	1452.6
17.5°	1060.0	1084.4	1098.7	1216.2	1421.0
20°	1041.4	1052.9	1065.8	1158.9	1385.2
22.5°	1028.5	1021.4	1031.4	1118.8	1336.5
25°	1019.9	992.7	1004.2	1087.3	1279.2
27.5°	1027.1	966.9	971.2	1058.6	1219.1
30°	1028.5	935.4	936.9	1028.5	1151.7
32.5°	1018.5	902.5	903.9	991.3	1075.8
35°	994.2	863.8	862.4	948.3	972.7
37.5°	961.2	822.3	822.3	901.0	859.5
40°	921.1	780.7	785.0	839.4	759.2
42.5°	872.4	736.3	742.0	757.8	684.7
45°	819.4	693.3	697.6	640.3	627.4
47.5°	760.7	648.9	650.4	531.5	608.8
50°	690.5	603.1	597.4	455.5	607.4
52.5°	628.9	552.9	535.8	412.6	551.5
55°	568.7	499.9	462.7	379.6	511.4
57.5°	515.7	431.2	395.4	340.9	502.8
60°	467.0	363.9	336.6	299.4	461.3
62.5°	426.9	313.7	308.0	270.7	418.3
65°	383.9	279.3	277.9	246.4	355.3
67.5°	342.4	256.4	255.0	223.5	270.7
70°	298.0	232.1	229.2	199.1	200.5
72.5°	252.1	204.8	202.0	179.1	166.2
75°	206.3	173.3	171.9	156.1	134.7
77.5°	161.9	137.5	140.4	126.1	98.8
80°	116.0	100.3	103.1	90.2	74.5
82.5°	77.4	65.9	68.8	57.3	50.1
85°	43.0	37.2	38.7	30.1	22.9
87.5°	20.1	17.2	17.2	11.5	7.2
90°	39.3	25.0	23.2	16.1	9.0
92.5°	242.5	172.5	157.3	96.5	35.7
95°	596.6	336.0	308.2	196.9	85.8
97.5°	803.5	369.0	344.5	246.4	148.3
100°	878.9	396.7	374.5	285.5	196.5
102.5°	913.5	424.4	403.7	320.7	237.7
105°	939.1	465.5	447.9	377.6	307.3
107.5°	943.7	526.2	509.9	444.4	378.8
110°	936.7	560.2	545.4	486.3	427.1



TEST NUMBER: P935990

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	937.0	601.3	587.1	530.8	474.4
115°	945.5	663.0	650.0	597.9	545.9
117.5°	963.2	722.8	711.0	663.7	616.5
120°	977.4	757.7	746.6	702.1	657.6
122.5°	998.0	798.8	787.6	742.7	697.8
125°	1025.7	851.5	841.3	800.3	759.4
127.5°	1053.4	902.4	892.1	850.7	809.5
130°	1073.7	936.4	925.3	880.8	836.3
132.5°	1090.0	964.1	953.0	908.5	864.0
135°	1107.9	996.3	986.1	945.5	905.1
137.5°	1134.7	1037.3	1027.3	987.2	947.1
140°	1151.1	1065.0	1055.8	1018.9	981.9
142.5°	1164.8	1085.5	1077.0	1042.9	1008.7
145°	1182.7	1116.9	1109.4	1079.6	1049.8
147.5°	1208.8	1156.1	1148.9	1119.9	1090.9
150°	1222.5	1176.7	1170.1	1143.9	1117.7
152.5°	1231.5	1190.1	1185.2	1165.3	1145.4
155°	1251.1	1219.5	1215.9	1201.2	1186.5
157.5°	1270.8	1249.0	1245.5	1231.2	1216.9
160°	1279.7	1262.4	1259.6	1248.6	1237.5
162.5°	1289.2	1276.7	1274.6	1266.3	1258.0
165°	1302.9	1297.3	1295.4	1287.9	1280.4
167.5°	1313.7	1308.9	1308.1	1304.4	1300.9
170°	1322.6	1322.3	1321.4	1317.8	1314.3
172.5°	1323.2	1323.2	1323.1	1322.2	1321.4
175°	1328.6	1331.3	1331.3	1331.3	1331.3
177.5°	1329.2	1331.3	1331.3	1331.3	1331.3
180°	1331.3	1331.3	1331.3	1331.3	1331.3



TEST NUMBER: P935990
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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	10.54	11.25	11.64	12.35	13.87	13.36	14.07	14.46	15.17	16.69
	3H	11.00	11.64	12.11	12.75	14.28	14.69	15.33	15.80	16.44	17.97
	4H	11.19	11.79	12.31	12.90	14.44	15.13	15.74	16.25	16.84	18.38
	6H	11.30	11.86	12.43	12.97	14.52	15.40	15.96	16.53	17.07	18.62
	8H	11.29	11.83	12.43	12.95	14.49	15.47	16.01	16.61	17.13	18.68
	12H	11.26	11.76	12.40	12.88	14.45	15.51	16.01	16.64	17.13	18.70
4H	2H	11.55	12.16	12.68	13.26	14.80	13.75	14.36	14.88	15.47	17.01
	3H	12.56	13.07	13.70	14.20	15.75	15.24	15.75	16.38	16.88	18.43
	4H	12.83	13.30	13.97	14.42	15.99	15.76	16.23	16.90	17.35	18.92
	6H	12.95	13.35	14.09	14.49	16.06	16.12	16.52	17.26	17.66	19.22
	8H	12.95	13.32	14.09	14.46	16.04	16.22	16.59	17.36	17.73	19.31
	12H	12.91	13.25	14.07	14.40	15.98	16.27	16.61	17.43	17.76	19.34
8H	4H	13.27	13.64	14.42	14.78	16.36	15.87	16.25	17.02	17.39	18.96
	6H	13.53	13.83	14.69	15.02	16.59	16.30	16.61	17.47	17.79	19.37
	8H	13.57	13.84	14.74	15.00	16.59	16.45	16.72	17.62	17.88	19.48
	12H	13.55	13.78	14.72	14.94	16.57	16.54	16.78	17.72	17.94	19.57
12H	4H	13.27	13.61	14.43	14.76	16.34	15.83	16.17	16.99	17.32	18.90
	6H	13.59	13.86	14.76	15.02	16.61	16.30	16.57	17.47	17.73	19.32
	8H	13.65	13.88	14.82	15.04	16.67	16.45	16.69	17.63	17.85	19.47