

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: P935845

Luminaire Tested: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-8-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935845
REPORT IS A COMBINATION OF REPORTS P933772 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-8-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

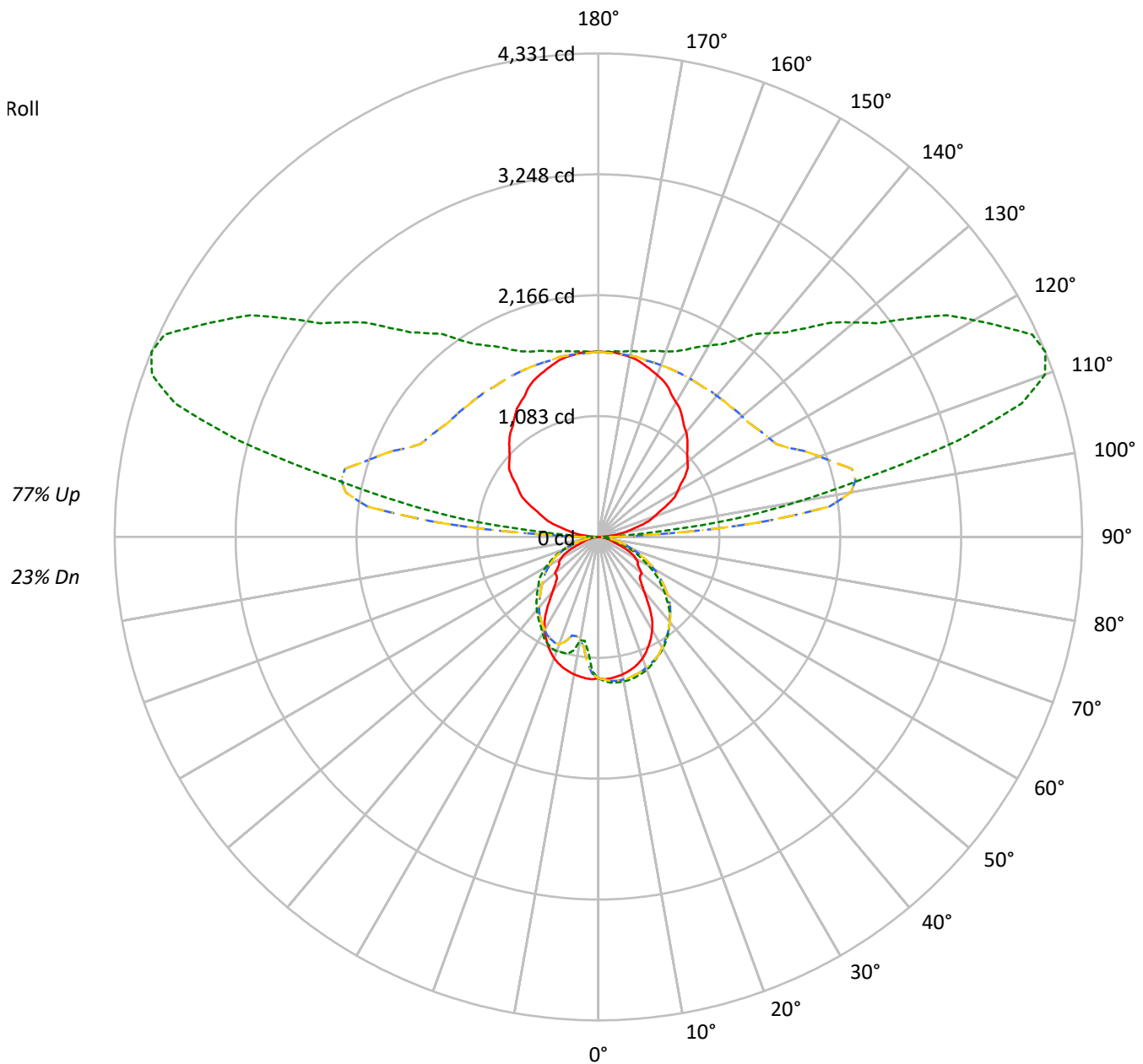
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14042.7 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 111.2
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	101	101	101	101	90	90	90	90	69	69	69	49	49	49	32	32	32	23
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	27	20
2	84	77	71	66	74	68	63	59	52	49	46	38	36	34	25	24	23	17
3	76	67	60	55	67	60	54	49	46	42	39	34	31	29	22	20	19	14
4	70	59	52	46	62	53	47	42	41	37	33	30	27	25	19	18	16	12
5	64	53	45	39	56	47	40	36	36	32	28	27	24	21	17	16	14	10
6	59	47	39	34	52	42	35	31	33	28	24	24	21	18	16	14	12	9
7	54	42	35	29	48	38	31	27	30	25	21	22	19	16	14	12	11	8
8	50	38	31	26	44	34	28	23	27	22	19	20	17	14	13	11	10	7
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	6
10	43	32	25	20	38	28	22	18	22	18	15	17	14	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5872	5872	5872	5872
5°	5915	5927	5915	4661
10°	5876	5839	5876	4174
15°	5812	5712	5812	4769
20°	5690	5562	5690	4779
25°	5442	5343	5442	4678
30°	5120	5162	5120	4456
35°	4564	4932	4564	4212
40°	3804	4662	3804	4027
45°	3398	4346	3398	3814
50°	3610	3969	3610	3601
55°	3397	3562	3397	3478
60°	3501	3026	3501	3185
65°	3174	2501	3174	2796
70°	2198	1994	2198	2343
75°	1929	1474	1929	1764
80°	1552	974	1552	1060
85°	894	516	894	438

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5208 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.2	0.8
10°-20°	324.3	2.3
20°-30°	501.4	3.6
30°-40°	598.5	4.3
40°-50°	602.0	4.3
50°-60°	523.8	3.7
60°-70°	371.4	2.6
70°-80°	196.5	1.4
80°-90°	55.3	0.4
90°-100°	808.7	5.8
100°-110°	2126.2	15.1
110°-120°	2204.6	15.7
120°-130°	1768.3	12.6
130°-140°	1387.5	9.9
140°-150°	1065.0	7.6
150°-160°	767.0	5.5
160°-170°	469.3	3.3
170°-180°	158.5	1.1
0°-30°	940.0	6.7
0°-40°	1538.5	11.0
0°-60°	2664.4	19.0
0°-90°	3287.6	23.4
90°-120°	5139.5	36.6
90°-150°	9360.3	66.7
90°-180°	10755.0	76.6
0°-180°	14042.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1266	1266	1266	1266	1266	
5°	1272	1311	1272	1031	1272	121
15°	1214	1299	1214	1085	1214	342
25°	1069	1212	1069	1061	1069	491
35°	813	1081	813	923	813	503
45°	524	891	524	782	524	420
55°	427	657	427	642	427	393
65°	297	396	297	443	297	284
75°	113	188	113	225	113	118
85°	19	48	19	41	19	26
90°	11	42	11	42	11	10
95°	107	489	107	489	107	119
105°	383	3329	383	3329	383	406
115°	680	4287	680	4287	680	672
125°	946	3414	946	3414	946	840
135°	1128	2649	1128	2649	1128	873
145°	1308	2149	1308	2149	1308	820
155°	1479	1851	1479	1851	1479	679
165°	1596	1724	1596	1724	1596	450
175°	1659	1670	1659	1670	1659	157
180°	1659	1659	1659	1659	1659	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6
2.5°	1276.3	1276.3	1283.5	1285.9	1285.9	1282.2	1278.7	1282.2	1293.0	1296.6	1295.5
5°	1271.5	1281.1	1294.3	1296.6	1299.0	1297.9	1295.5	1297.9	1309.8	1312.2	1313.4
7.5°	1261.9	1279.9	1296.6	1300.3	1303.9	1300.3	1299.0	1301.4	1313.4	1315.8	1315.8
10°	1249.9	1275.1	1294.3	1296.6	1300.3	1296.6	1296.6	1301.4	1313.4	1315.8	1317.0
12.5°	1233.2	1267.9	1285.9	1288.2	1293.0	1291.9	1290.6	1295.5	1307.4	1309.8	1309.8
15°	1214.1	1254.8	1271.5	1273.9	1282.2	1279.9	1279.9	1284.7	1297.9	1301.4	1300.3
17.5°	1187.7	1238.0	1257.2	1260.7	1266.7	1265.6	1266.7	1271.5	1283.5	1285.9	1287.1
20°	1157.7	1215.2	1238.0	1241.5	1247.5	1247.5	1247.5	1253.5	1265.6	1270.3	1270.3
22.5°	1117.0	1191.3	1215.2	1217.6	1224.9	1224.9	1227.2	1235.6	1246.4	1247.5	1247.5
25°	1069.2	1165.0	1185.3	1192.5	1199.7	1203.3	1206.8	1211.6	1215.2	1214.1	1215.2
27.5°	1018.9	1131.4	1157.7	1162.5	1172.1	1175.8	1180.5	1181.7	1182.9	1186.5	1184.1
30°	962.6	1084.7	1124.3	1129.1	1144.6	1147.0	1142.2	1144.6	1150.6	1153.0	1155.4
32.5°	899.1	1015.3	1089.5	1100.3	1114.7	1107.5	1106.3	1109.9	1119.4	1119.4	1121.8
35°	812.9	961.4	1057.2	1066.8	1077.6	1069.2	1074.0	1075.2	1081.1	1084.7	1083.6
37.5°	718.4	914.8	1023.7	1030.9	1039.3	1028.5	1035.6	1039.3	1044.0	1041.6	1041.6
40°	634.6	841.7	984.2	988.9	996.2	987.8	994.9	997.3	999.7	997.3	996.2
42.5°	572.3	761.5	942.2	948.2	943.4	949.5	951.8	956.6	953.1	948.2	948.2
45°	524.4	739.9	896.7	904.0	896.7	906.4	909.9	909.9	899.1	896.7	895.6
47.5°	508.9	696.8	851.3	851.3	847.6	859.7	865.7	857.3	846.5	842.9	842.9
50°	507.6	648.9	789.0	784.3	800.9	815.3	809.3	800.9	792.6	779.4	779.4
52.5°	460.9	590.3	708.8	726.8	753.1	761.5	751.9	743.6	729.2	723.1	718.4
55°	427.4	529.2	635.7	671.7	699.2	710.0	692.0	683.7	662.1	658.5	656.1
57.5°	420.2	440.6	568.7	614.2	647.7	646.5	635.7	620.2	602.3	598.7	597.4
60°	385.5	318.5	496.8	550.7	585.5	581.9	572.3	557.9	541.2	538.8	536.4
62.5°	349.6	231.1	415.4	476.5	525.6	524.4	516.0	494.5	482.5	476.5	471.7
65°	296.9	194.0	295.7	396.3	466.9	469.3	451.4	435.8	422.7	415.4	414.3
67.5°	226.3	158.1	199.9	330.4	410.7	408.3	385.5	378.4	361.6	358.0	350.8
70°	167.6	105.3	138.9	268.2	355.6	349.6	331.6	323.3	307.7	299.3	294.6
72.5°	138.9	85.0	101.8	208.3	299.3	292.2	276.5	267.0	253.9	246.6	241.8
75°	112.6	89.8	77.8	154.4	243.1	238.2	223.9	214.3	203.5	194.0	195.1
77.5°	82.7	83.8	62.2	113.7	192.8	185.6	177.2	165.2	160.4	150.9	150.9
80°	62.2	65.9	46.7	77.8	138.9	138.9	131.7	123.4	115.0	110.1	110.1
82.5°	41.9	41.9	34.7	49.1	94.6	91.0	86.2	83.8	79.0	76.6	76.6
85°	19.2	23.9	21.5	29.9	51.5	53.9	53.9	51.5	50.3	47.9	49.1
87.5°	6.0	10.8	13.2	16.8	26.3	27.6	28.7	28.7	28.7	29.9	29.9
90°	11.2	20.1	28.9	31.2	49.0	72.7	84.6	75.2	56.4	42.3	42.3
92.5°	44.5	120.2	196.0	214.9	302.2	418.5	476.6	417.7	299.9	211.6	203.2
95°	106.9	245.5	384.0	418.6	743.4	1176.4	1392.9	1243.0	943.1	718.2	692.7
97.5°	184.9	307.1	429.4	459.9	1001.4	1723.5	2084.4	1989.6	1800.1	1658.0	1609.5
100°	244.9	355.8	466.7	494.4	1095.3	1896.5	2297.1	2304.0	2317.9	2328.2	2270.5
102.5°	296.2	399.6	503.0	528.9	1138.4	1950.9	2357.2	2478.0	2719.5	2900.6	2851.1
105°	383.0	470.6	558.2	580.1	1170.2	1957.1	2350.5	2621.3	3162.6	3568.7	3542.1
107.5°	472.1	553.8	635.4	655.8	1176.2	1870.0	2216.9	2594.5	3349.7	3916.1	3922.5
110°	532.3	606.0	679.7	698.1	1167.3	1792.8	2105.6	2527.7	3372.0	4005.2	4032.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	591.3	661.5	731.8	749.4	1167.6	1725.3	2004.2	2436.2	3300.3	3948.3	3990.9
115°	680.4	745.2	810.0	826.2	1178.4	1648.0	1882.9	2299.0	3131.4	3755.7	3814.7
117.5°	768.3	827.2	886.1	900.8	1200.3	1599.7	1799.3	2175.0	2926.2	3489.6	3555.0
120°	819.5	874.9	930.4	944.2	1218.2	1583.3	1766.0	2109.2	2795.6	3310.4	3373.9
122.5°	869.6	925.6	981.4	995.4	1243.8	1574.8	1740.3	2049.4	2667.5	3131.0	3193.8
125°	946.4	997.4	1048.4	1061.1	1278.2	1567.7	1712.5	1975.0	2500.1	2893.9	2951.6
127.5°	1008.8	1060.3	1111.8	1124.6	1312.8	1563.7	1689.1	1914.5	2365.4	2703.5	2752.2
130°	1042.2	1097.7	1153.1	1166.9	1338.0	1566.1	1680.2	1880.8	2282.3	2583.2	2628.3
132.5°	1076.8	1132.2	1187.6	1201.5	1358.5	1567.8	1672.4	1852.0	2211.3	2480.8	2521.1
135°	1127.9	1178.4	1229.0	1241.5	1380.7	1566.3	1659.0	1809.5	2110.4	2336.1	2370.8
137.5°	1180.3	1230.3	1280.2	1292.7	1414.1	1575.9	1656.9	1784.1	2038.4	2229.1	2257.6
140°	1223.7	1269.8	1315.7	1327.2	1434.5	1577.5	1649.0	1758.9	1978.7	2143.4	2170.0
142.5°	1257.1	1299.7	1342.2	1352.9	1451.6	1583.2	1649.0	1745.5	1938.5	2083.3	2106.1
145°	1308.3	1345.4	1382.6	1391.9	1473.9	1583.2	1637.9	1716.8	1874.7	1993.1	2010.4
147.5°	1359.5	1395.7	1431.9	1440.9	1506.6	1594.1	1637.9	1700.0	1824.2	1917.3	1931.7
150°	1392.9	1425.6	1458.3	1466.4	1523.5	1599.8	1637.9	1690.4	1795.2	1874.0	1885.6
152.5°	1427.5	1452.2	1477.0	1483.2	1534.8	1603.5	1637.9	1682.7	1772.2	1839.4	1848.2
155°	1478.7	1497.0	1515.3	1519.9	1559.2	1611.6	1637.9	1673.5	1744.8	1798.3	1804.1
157.5°	1516.6	1534.4	1552.2	1556.6	1583.7	1619.8	1637.9	1665.6	1721.1	1762.7	1766.8
160°	1542.2	1556.0	1569.9	1573.3	1594.8	1623.5	1637.9	1661.6	1709.2	1744.8	1747.1
162.5°	1567.8	1578.2	1588.6	1591.2	1606.7	1627.5	1637.9	1658.0	1698.0	1728.1	1730.3
165°	1595.6	1604.9	1614.4	1616.7	1623.8	1633.1	1637.9	1652.2	1681.0	1702.5	1704.8
167.5°	1621.2	1625.6	1630.1	1631.3	1637.2	1645.1	1649.0	1658.4	1677.2	1691.3	1692.3
170°	1637.9	1642.3	1646.8	1648.0	1648.3	1648.8	1649.0	1658.4	1677.2	1691.3	1691.3
172.5°	1646.8	1647.8	1648.8	1649.0	1649.0	1649.0	1649.0	1656.4	1671.3	1682.4	1681.5
175°	1659.0	1659.0	1659.0	1659.0	1655.7	1651.3	1649.0	1653.8	1663.1	1670.2	1670.2
177.5°	1659.0	1659.0	1659.0	1659.0	1656.4	1653.0	1651.3	1655.0	1662.4	1667.9	1667.0
180°	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6
2.5°	1297.9	1294.3	1297.9	1295.5	1296.6	1293.0	1282.2	1278.7	1282.2	1285.9	1285.9
5°	1313.4	1311.0	1313.4	1313.4	1312.2	1309.8	1297.9	1295.5	1297.9	1299.0	1296.6
7.5°	1318.2	1314.7	1318.2	1315.8	1315.8	1313.4	1301.4	1299.0	1300.3	1303.9	1300.3
10°	1318.2	1314.7	1318.2	1317.0	1315.8	1313.4	1301.4	1296.6	1296.6	1300.3	1296.6
12.5°	1312.2	1309.8	1312.2	1309.8	1309.8	1307.4	1295.5	1290.6	1291.9	1293.0	1288.2
15°	1302.6	1299.0	1302.6	1300.3	1301.4	1297.9	1284.7	1279.9	1279.9	1282.2	1273.9
17.5°	1288.2	1283.5	1288.2	1287.1	1285.9	1283.5	1271.5	1266.7	1265.6	1266.7	1260.7
20°	1271.5	1267.9	1271.5	1270.3	1270.3	1265.6	1253.5	1247.5	1247.5	1247.5	1241.5
22.5°	1245.2	1241.5	1245.2	1247.5	1247.5	1246.4	1235.6	1227.2	1224.9	1224.9	1217.6
25°	1215.2	1211.6	1215.2	1215.2	1214.1	1215.2	1211.6	1206.8	1203.3	1199.7	1192.5
27.5°	1186.5	1184.1	1186.5	1184.1	1186.5	1182.9	1181.7	1180.5	1175.8	1172.1	1162.5
30°	1157.7	1155.4	1157.7	1155.4	1153.0	1150.6	1144.6	1142.2	1147.0	1144.6	1129.1
32.5°	1121.8	1119.4	1121.8	1121.8	1119.4	1119.4	1109.9	1106.3	1107.5	1114.7	1100.3
35°	1084.7	1081.1	1084.7	1083.6	1084.7	1081.1	1075.2	1074.0	1069.2	1077.6	1066.8
37.5°	1041.6	1038.0	1041.6	1041.6	1041.6	1044.0	1039.3	1035.6	1028.5	1039.3	1030.9
40°	997.3	992.5	997.3	996.2	997.3	999.7	997.3	994.9	987.8	996.2	988.9
42.5°	947.1	945.8	947.1	948.2	948.2	953.1	956.6	951.8	949.5	943.4	948.2
45°	893.2	890.7	893.2	895.6	896.7	899.1	909.9	909.9	906.4	896.7	904.0
47.5°	835.7	829.7	835.7	842.9	842.9	846.5	857.3	865.7	859.7	847.6	851.3
50°	774.6	775.9	774.6	779.4	779.4	792.6	800.9	809.3	815.3	800.9	784.3
52.5°	714.8	713.6	714.8	718.4	723.1	729.2	743.6	751.9	761.5	753.1	726.8
55°	654.9	657.3	654.9	656.1	658.5	662.1	683.7	692.0	710.0	699.2	671.7
57.5°	595.0	591.5	595.0	597.4	598.7	602.3	620.2	635.7	646.5	647.7	614.2
60°	525.6	520.8	525.6	536.4	538.8	541.2	557.9	572.3	581.9	585.5	550.7
62.5°	464.5	456.1	464.5	471.7	476.5	482.5	494.5	516.0	524.4	525.6	476.5
65°	399.9	396.3	399.9	414.3	415.4	422.7	435.8	451.4	469.3	466.9	396.3
67.5°	341.2	341.2	341.2	350.8	358.0	361.6	378.4	385.5	408.3	410.7	330.4
70°	287.3	286.2	287.3	294.6	299.3	307.7	323.3	331.6	349.6	355.6	268.2
72.5°	235.8	234.7	235.8	241.8	246.6	253.9	267.0	276.5	292.2	299.3	208.3
75°	190.4	188.0	190.4	195.1	194.0	203.5	214.3	223.9	238.2	243.1	154.4
77.5°	146.0	146.0	146.0	150.9	150.9	160.4	165.2	177.2	185.6	192.8	113.7
80°	109.0	107.7	109.0	110.1	110.1	115.0	123.4	131.7	138.9	138.9	77.8
82.5°	76.6	74.3	76.6	76.6	76.6	79.0	83.8	86.2	91.0	94.6	49.1
85°	47.9	47.9	47.9	49.1	47.9	50.3	51.5	53.9	53.9	51.5	29.9
87.5°	31.2	29.9	31.2	29.9	29.9	28.7	28.7	28.7	27.6	26.3	16.8
90°	42.3	42.3	42.3	42.3	42.3	56.4	75.2	84.6	72.7	49.0	31.2
92.5°	169.5	135.9	169.5	203.2	211.6	299.9	417.7	476.6	418.5	302.2	214.9
95°	590.7	488.8	590.7	692.7	718.2	943.1	1243.0	1392.9	1176.4	743.4	418.6
97.5°	1415.4	1221.5	1415.4	1609.5	1658.0	1800.1	1989.6	2084.4	1723.5	1001.4	459.9
100°	2039.4	1808.3	2039.4	2270.5	2328.2	2317.9	2304.0	2297.1	1896.5	1095.3	494.4
102.5°	2653.1	2455.2	2653.1	2851.1	2900.6	2719.5	2478.0	2357.2	1950.9	1138.4	528.9
105°	3435.7	3329.3	3435.7	3542.1	3568.7	3162.6	2621.3	2350.5	1957.1	1170.2	580.1
107.5°	3948.2	3973.9	3948.2	3922.5	3916.1	3349.7	2594.5	2216.9	1870.0	1176.2	655.8
110°	4143.7	4254.6	4143.7	4032.9	4005.2	3372.0	2527.7	2105.6	1792.8	1167.3	698.1



TEST NUMBER: P935845

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4161.1	4331.3	4161.1	3990.9	3948.3	3300.3	2436.2	2004.2	1725.3	1167.6	749.4
115°	4050.8	4286.8	4050.8	3814.7	3755.7	3131.4	2299.0	1882.9	1648.0	1178.4	826.2
117.5°	3816.8	4078.6	3816.8	3555.0	3489.6	2926.2	2175.0	1799.3	1599.7	1200.3	900.8
120°	3628.3	3882.6	3628.3	3373.9	3310.4	2795.6	2109.2	1766.0	1583.3	1218.2	944.2
122.5°	3444.7	3695.6	3444.7	3193.8	3131.0	2667.5	2049.4	1740.3	1574.8	1243.8	995.4
125°	3182.8	3413.9	3182.8	2951.6	2893.9	2500.1	1975.0	1712.5	1567.7	1278.2	1061.1
127.5°	2947.3	3142.2	2947.3	2752.2	2703.5	2365.4	1914.5	1689.1	1563.7	1312.8	1124.6
130°	2808.5	2988.6	2808.5	2628.3	2583.2	2282.3	1880.8	1680.2	1566.1	1338.0	1166.9
132.5°	2682.4	2843.8	2682.4	2521.1	2480.8	2211.3	1852.0	1672.4	1567.8	1358.5	1201.5
135°	2509.9	2648.9	2509.9	2370.8	2336.1	2110.4	1809.5	1659.0	1566.3	1380.7	1241.5
137.5°	2371.4	2485.2	2371.4	2257.6	2229.1	2038.4	1784.1	1656.9	1575.9	1414.1	1292.7
140°	2276.4	2382.8	2276.4	2170.0	2143.4	1978.7	1758.9	1649.0	1577.5	1434.5	1327.2
142.5°	2197.7	2289.3	2197.7	2106.1	2083.3	1938.5	1745.5	1649.0	1583.2	1451.6	1352.9
145°	2079.7	2149.0	2079.7	2010.4	1993.1	1874.7	1716.8	1637.9	1583.2	1473.9	1391.9
147.5°	1989.1	2046.5	1989.1	1931.7	1917.3	1824.2	1700.0	1637.9	1594.1	1506.6	1440.9
150°	1932.2	1978.7	1932.2	1885.6	1874.0	1795.2	1690.4	1637.9	1599.8	1523.5	1466.4
152.5°	1883.3	1918.5	1883.3	1848.2	1839.4	1772.2	1682.7	1637.9	1603.5	1534.8	1483.2
155°	1827.4	1850.6	1827.4	1804.1	1798.3	1744.8	1673.5	1637.9	1611.6	1559.2	1519.9
157.5°	1783.0	1799.3	1783.0	1766.8	1762.7	1721.1	1665.6	1637.9	1619.8	1583.7	1556.6
160°	1756.6	1766.0	1756.6	1747.1	1744.8	1709.2	1661.6	1637.9	1623.5	1594.8	1573.3
162.5°	1739.2	1748.1	1739.2	1730.3	1728.1	1698.0	1658.0	1637.9	1627.5	1606.7	1591.2
165°	1714.3	1723.6	1714.3	1704.8	1702.5	1681.0	1652.2	1637.9	1633.1	1623.8	1616.7
167.5°	1696.3	1700.3	1696.3	1692.3	1691.3	1677.2	1658.4	1649.0	1645.1	1637.2	1631.3
170°	1691.3	1691.3	1691.3	1691.3	1691.3	1677.2	1658.4	1649.0	1648.8	1648.3	1648.0
172.5°	1678.1	1674.6	1678.1	1681.5	1682.4	1671.3	1656.4	1649.0	1649.0	1649.0	1649.0
175°	1670.2	1670.2	1670.2	1670.2	1670.2	1663.1	1653.8	1649.0	1651.3	1655.7	1659.0
177.5°	1663.0	1659.0	1663.0	1667.0	1667.9	1662.4	1655.0	1651.3	1653.0	1656.4	1659.0
180°	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0



TEST NUMBER: P935845

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6
2.5°	1283.5	1276.3	1276.3	1264.3	1259.6	1255.9	1249.9	1232.0	1227.2	1222.4	1229.6
5°	1294.3	1281.1	1271.5	1249.9	1232.0	1224.9	1202.1	1159.0	1130.2	1108.6	1096.7
7.5°	1296.6	1279.9	1261.9	1228.4	1185.3	1166.1	1096.7	1017.7	996.2	977.0	965.0
10°	1294.3	1275.1	1249.9	1199.7	1097.9	1064.4	994.9	943.4	930.3	926.7	930.3
12.5°	1285.9	1267.9	1233.2	1149.4	1006.9	984.2	943.4	913.5	911.1	917.1	949.5
15°	1271.5	1254.8	1214.1	1082.3	956.6	939.8	911.1	900.4	913.5	955.5	1052.4
17.5°	1257.2	1238.0	1187.7	1016.5	918.3	906.4	886.0	907.5	981.8	1038.0	1070.3
20°	1238.0	1215.2	1157.7	968.6	890.7	880.0	870.4	967.4	1023.7	1044.0	1062.0
22.5°	1215.2	1191.3	1117.0	935.1	862.0	853.7	859.7	1000.9	1023.7	1038.0	1053.6
25°	1185.3	1165.0	1069.2	908.8	839.3	829.7	852.5	997.3	1010.5	1014.1	1045.3
27.5°	1157.7	1131.4	1018.9	884.8	811.7	808.2	858.4	981.8	991.3	994.9	1028.5
30°	1124.3	1084.7	962.6	859.7	783.0	781.8	859.7	962.6	960.2	969.8	1003.3
32.5°	1089.5	1015.3	899.1	828.5	755.5	754.3	851.3	933.9	931.4	944.7	969.8
35°	1057.2	961.4	812.9	792.6	720.8	722.0	830.9	900.4	901.5	913.5	929.1
37.5°	1023.7	914.8	718.4	753.1	687.2	687.2	803.4	869.2	866.8	870.4	892.0
40°	984.2	841.7	634.6	701.6	656.1	652.5	769.9	835.7	827.3	826.1	856.0
42.5°	942.2	761.5	572.3	633.4	620.2	615.4	729.2	795.0	779.4	783.0	821.3
45°	896.7	739.9	524.4	535.2	583.1	579.5	684.8	748.3	737.5	747.1	786.6
47.5°	851.3	696.8	508.9	444.2	543.6	542.4	635.7	702.8	696.8	706.4	748.3
50°	789.0	648.9	507.6	380.7	499.2	504.1	577.1	658.5	658.5	666.9	711.2
52.5°	708.8	590.3	460.9	344.8	447.7	462.1	525.6	620.2	622.6	631.0	670.4
55°	635.7	529.2	427.4	317.2	386.7	417.8	475.3	580.6	585.5	593.9	629.7
57.5°	568.7	440.6	420.2	284.9	330.4	360.4	431.0	542.4	544.8	551.9	586.6
60°	496.8	318.5	385.5	250.2	281.4	304.1	390.3	496.8	505.2	510.0	539.9
62.5°	415.4	231.1	349.6	226.3	257.4	262.2	356.8	453.8	464.5	468.2	486.1
65°	295.7	194.0	296.9	205.9	232.3	233.5	320.9	409.4	419.1	425.1	438.2
67.5°	199.9	158.1	226.3	186.7	213.2	214.3	286.2	358.0	371.2	376.0	384.4
70°	138.9	105.3	167.6	166.4	191.6	194.0	249.0	311.3	323.3	326.9	331.6
72.5°	101.8	85.0	138.9	149.7	168.8	171.2	210.7	258.6	270.6	274.2	276.5
75°	77.8	89.8	112.6	130.5	143.7	144.9	172.4	210.7	219.1	221.5	222.7
77.5°	62.2	83.8	82.7	105.3	117.3	115.0	135.3	162.8	170.0	170.0	170.0
80°	46.7	65.9	62.2	75.4	86.2	83.8	96.9	116.1	118.5	121.0	119.7
82.5°	34.7	41.9	41.9	47.9	57.5	55.1	64.6	75.4	75.4	75.4	77.8
85°	21.5	23.9	19.2	25.2	32.3	31.2	35.9	40.7	41.9	41.9	39.5
87.5°	13.2	10.8	6.0	9.6	14.4	14.4	16.8	17.9	16.8	16.8	16.8
90°	28.9	20.1	11.2	20.1	28.9	31.2	49.0	72.7	84.6	75.2	56.4
92.5°	196.0	120.2	44.5	120.2	196.0	214.9	302.2	418.5	476.6	417.7	299.9
95°	384.0	245.5	106.9	245.5	384.0	418.6	743.4	1176.4	1392.9	1243.0	943.1
97.5°	429.4	307.1	184.9	307.1	429.4	459.9	1001.4	1723.5	2084.4	1989.6	1800.1
100°	466.7	355.8	244.9	355.8	466.7	494.4	1095.3	1896.5	2297.1	2304.0	2317.9
102.5°	503.0	399.6	296.2	399.6	503.0	528.9	1138.4	1950.9	2357.2	2478.0	2719.5
105°	558.2	470.6	383.0	470.6	558.2	580.1	1170.2	1957.1	2350.5	2621.3	3162.6
107.5°	635.4	553.8	472.1	553.8	635.4	655.8	1176.2	1870.0	2216.9	2594.5	3349.7
110°	679.7	606.0	532.3	606.0	679.7	698.1	1167.3	1792.8	2105.6	2527.7	3372.0



TEST NUMBER: P935845

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	731.8	661.5	591.3	661.5	731.8	749.4	1167.6	1725.3	2004.2	2436.2	3300.3
115°	810.0	745.2	680.4	745.2	810.0	826.2	1178.4	1648.0	1882.9	2299.0	3131.4
117.5°	886.1	827.2	768.3	827.2	886.1	900.8	1200.3	1599.7	1799.3	2175.0	2926.2
120°	930.4	874.9	819.5	874.9	930.4	944.2	1218.2	1583.3	1766.0	2109.2	2795.6
122.5°	981.4	925.6	869.6	925.6	981.4	995.4	1243.8	1574.8	1740.3	2049.4	2667.5
125°	1048.4	997.4	946.4	997.4	1048.4	1061.1	1278.2	1567.7	1712.5	1975.0	2500.1
127.5°	1111.8	1060.3	1008.8	1060.3	1111.8	1124.6	1312.8	1563.7	1689.1	1914.5	2365.4
130°	1153.1	1097.7	1042.2	1097.7	1153.1	1166.9	1338.0	1566.1	1680.2	1880.8	2282.3
132.5°	1187.6	1132.2	1076.8	1132.2	1187.6	1201.5	1358.5	1567.8	1672.4	1852.0	2211.3
135°	1229.0	1178.4	1127.9	1178.4	1229.0	1241.5	1380.7	1566.3	1659.0	1809.5	2110.4
137.5°	1280.2	1230.3	1180.3	1230.3	1280.2	1292.7	1414.1	1575.9	1656.9	1784.1	2038.4
140°	1315.7	1269.8	1223.7	1269.8	1315.7	1327.2	1434.5	1577.5	1649.0	1758.9	1978.7
142.5°	1342.2	1299.7	1257.1	1299.7	1342.2	1352.9	1451.6	1583.2	1649.0	1745.5	1938.5
145°	1382.6	1345.4	1308.3	1345.4	1382.6	1391.9	1473.9	1583.2	1637.9	1716.8	1874.7
147.5°	1431.9	1395.7	1359.5	1395.7	1431.9	1440.9	1506.6	1594.1	1637.9	1700.0	1824.2
150°	1458.3	1425.6	1392.9	1425.6	1458.3	1466.4	1523.5	1599.8	1637.9	1690.4	1795.2
152.5°	1477.0	1452.2	1427.5	1452.2	1477.0	1483.2	1534.8	1603.5	1637.9	1682.7	1772.2
155°	1515.3	1497.0	1478.7	1497.0	1515.3	1519.9	1559.2	1611.6	1637.9	1673.5	1744.8
157.5°	1552.2	1534.4	1516.6	1534.4	1552.2	1556.6	1583.7	1619.8	1637.9	1665.6	1721.1
160°	1569.9	1556.0	1542.2	1556.0	1569.9	1573.3	1594.8	1623.5	1637.9	1661.6	1709.2
162.5°	1588.6	1578.2	1567.8	1578.2	1588.6	1591.2	1606.7	1627.5	1637.9	1658.0	1698.0
165°	1614.4	1604.9	1595.6	1604.9	1614.4	1616.7	1623.8	1633.1	1637.9	1652.2	1681.0
167.5°	1630.1	1625.6	1621.2	1625.6	1630.1	1631.3	1637.2	1645.1	1649.0	1658.4	1677.2
170°	1646.8	1642.3	1637.9	1642.3	1646.8	1648.0	1648.3	1648.8	1649.0	1658.4	1677.2
172.5°	1648.8	1647.8	1646.8	1647.8	1648.8	1649.0	1649.0	1649.0	1649.0	1656.4	1671.3
175°	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1655.7	1651.3	1649.0	1653.8	1663.1
177.5°	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1656.4	1653.0	1651.3	1655.0	1662.4
180°	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0



TEST NUMBER: P935845

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6
2.5°	1221.2	1217.6	1222.4	1209.2	1222.4	1217.6	1221.2	1229.6	1222.4	1227.2	1232.0
5°	1071.6	1065.6	1046.4	1030.9	1046.4	1065.6	1071.6	1096.7	1108.6	1130.2	1159.0
7.5°	957.8	953.1	948.2	938.7	948.2	953.1	957.8	965.0	977.0	996.2	1017.7
10°	932.7	933.9	941.1	939.8	941.1	933.9	932.7	930.3	926.7	930.3	943.4
12.5°	997.3	1008.1	1047.6	1045.3	1047.6	1008.1	997.3	949.5	917.1	911.1	913.5
15°	1071.6	1075.2	1083.6	1084.7	1083.6	1075.2	1071.6	1052.4	955.5	913.5	900.4
17.5°	1078.7	1080.0	1086.0	1086.0	1086.0	1080.0	1078.7	1070.3	1038.0	981.8	907.5
20°	1072.8	1075.2	1087.1	1089.5	1087.1	1075.2	1072.8	1062.0	1044.0	1023.7	967.4
22.5°	1070.3	1075.2	1084.7	1083.6	1084.7	1075.2	1070.3	1053.6	1038.0	1023.7	1000.9
25°	1058.4	1058.4	1059.6	1060.8	1059.6	1058.4	1058.4	1045.3	1014.1	1010.5	997.3
27.5°	1033.2	1035.6	1042.8	1041.6	1042.8	1035.6	1033.2	1028.5	994.9	991.3	981.8
30°	1010.5	1008.1	1002.1	997.3	1002.1	1008.1	1010.5	1003.3	969.8	960.2	962.6
32.5°	972.2	966.2	960.2	956.6	960.2	966.2	972.2	969.8	944.7	931.4	933.9
35°	926.7	927.9	926.7	923.1	926.7	927.9	926.7	929.1	913.5	901.5	900.4
37.5°	894.4	896.7	895.6	890.7	895.6	896.7	894.4	892.0	870.4	866.8	869.2
40°	860.8	862.0	860.8	857.3	860.8	862.0	860.8	856.0	826.1	827.3	835.7
42.5°	828.5	827.3	823.7	821.3	823.7	827.3	828.5	821.3	783.0	779.4	795.0
45°	791.4	792.6	785.4	781.8	785.4	792.6	791.4	786.6	747.1	737.5	748.3
47.5°	754.3	754.3	748.3	744.7	748.3	754.3	754.3	748.3	706.4	696.8	702.8
50°	714.8	713.6	705.2	704.0	705.2	713.6	714.8	711.2	666.9	658.5	658.5
52.5°	669.3	669.3	670.4	672.9	670.4	669.3	669.3	670.4	631.0	622.6	620.2
55°	629.7	631.0	639.4	641.7	639.4	631.0	629.7	629.7	593.9	585.5	580.6
57.5°	589.0	589.0	595.0	595.0	595.0	589.0	589.0	586.6	551.9	544.8	542.4
60°	542.4	544.8	549.6	548.3	549.6	544.8	542.4	539.9	510.0	505.2	496.8
62.5°	493.3	495.7	496.8	494.5	496.8	495.7	493.3	486.1	468.2	464.5	453.8
65°	441.8	444.2	445.4	443.0	445.4	444.2	441.8	438.2	425.1	419.1	409.4
67.5°	389.1	387.9	386.7	391.5	386.7	387.9	389.1	384.4	376.0	371.2	358.0
70°	335.3	335.3	334.0	336.4	334.0	335.3	335.3	331.6	326.9	323.3	311.3
72.5°	277.8	276.5	281.4	277.8	281.4	276.5	277.8	276.5	274.2	270.6	258.6
75°	221.5	223.9	221.5	225.1	221.5	223.9	221.5	222.7	221.5	219.1	210.7
77.5°	168.8	171.2	168.8	168.8	168.8	171.2	168.8	170.0	170.0	170.0	162.8
80°	119.7	118.5	118.5	117.3	118.5	118.5	119.7	119.7	121.0	118.5	116.1
82.5°	76.6	75.4	75.4	77.8	75.4	75.4	76.6	77.8	75.4	75.4	75.4
85°	41.9	43.1	40.7	40.7	40.7	43.1	41.9	39.5	41.9	41.9	40.7
87.5°	15.5	14.4	14.4	14.4	14.4	14.4	15.5	16.8	16.8	16.8	17.9
90°	42.3	42.3	42.3	42.3	42.3	42.3	42.3	56.4	75.2	84.6	72.7
92.5°	211.6	203.2	169.5	135.9	169.5	203.2	211.6	299.9	417.7	476.6	418.5
95°	718.2	692.7	590.7	488.8	590.7	692.7	718.2	943.1	1243.0	1392.9	1176.4
97.5°	1658.0	1609.5	1415.4	1221.5	1415.4	1609.5	1658.0	1800.1	1989.6	2084.4	1723.5
100°	2328.2	2270.5	2039.4	1808.3	2039.4	2270.5	2328.2	2317.9	2304.0	2297.1	1896.5
102.5°	2900.6	2851.1	2653.1	2455.2	2653.1	2851.1	2900.6	2719.5	2478.0	2357.2	1950.9
105°	3568.7	3542.1	3435.7	3329.3	3435.7	3542.1	3568.7	3162.6	2621.3	2350.5	1957.1
107.5°	3916.1	3922.5	3948.2	3973.9	3948.2	3922.5	3916.1	3349.7	2594.5	2216.9	1870.0
110°	4005.2	4032.9	4143.7	4254.6	4143.7	4032.9	4005.2	3372.0	2527.7	2105.6	1792.8



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3948.3	3990.9	4161.1	4331.3	4161.1	3990.9	3948.3	3300.3	2436.2	2004.2	1725.3
115°	3755.7	3814.7	4050.8	4286.8	4050.8	3814.7	3755.7	3131.4	2299.0	1882.9	1648.0
117.5°	3489.6	3555.0	3816.8	4078.6	3816.8	3555.0	3489.6	2926.2	2175.0	1799.3	1599.7
120°	3310.4	3373.9	3628.3	3882.6	3628.3	3373.9	3310.4	2795.6	2109.2	1766.0	1583.3
122.5°	3131.0	3193.8	3444.7	3695.6	3444.7	3193.8	3131.0	2667.5	2049.4	1740.3	1574.8
125°	2893.9	2951.6	3182.8	3413.9	3182.8	2951.6	2893.9	2500.1	1975.0	1712.5	1567.7
127.5°	2703.5	2752.2	2947.3	3142.2	2947.3	2752.2	2703.5	2365.4	1914.5	1689.1	1563.7
130°	2583.2	2628.3	2808.5	2988.6	2808.5	2628.3	2583.2	2282.3	1880.8	1680.2	1566.1
132.5°	2480.8	2521.1	2682.4	2843.8	2682.4	2521.1	2480.8	2211.3	1852.0	1672.4	1567.8
135°	2336.1	2370.8	2509.9	2648.9	2509.9	2370.8	2336.1	2110.4	1809.5	1659.0	1566.3
137.5°	2229.1	2257.6	2371.4	2485.2	2371.4	2257.6	2229.1	2038.4	1784.1	1656.9	1575.9
140°	2143.4	2170.0	2276.4	2382.8	2276.4	2170.0	2143.4	1978.7	1758.9	1649.0	1577.5
142.5°	2083.3	2106.1	2197.7	2289.3	2197.7	2106.1	2083.3	1938.5	1745.5	1649.0	1583.2
145°	1993.1	2010.4	2079.7	2149.0	2079.7	2010.4	1993.1	1874.7	1716.8	1637.9	1583.2
147.5°	1917.3	1931.7	1989.1	2046.5	1989.1	1931.7	1917.3	1824.2	1700.0	1637.9	1594.1
150°	1874.0	1885.6	1932.2	1978.7	1932.2	1885.6	1874.0	1795.2	1690.4	1637.9	1599.8
152.5°	1839.4	1848.2	1883.3	1918.5	1883.3	1848.2	1839.4	1772.2	1682.7	1637.9	1603.5
155°	1798.3	1804.1	1827.4	1850.6	1827.4	1804.1	1798.3	1744.8	1673.5	1637.9	1611.6
157.5°	1762.7	1766.8	1783.0	1799.3	1783.0	1766.8	1762.7	1721.1	1665.6	1637.9	1619.8
160°	1744.8	1747.1	1756.6	1766.0	1756.6	1747.1	1744.8	1709.2	1661.6	1637.9	1623.5
162.5°	1728.1	1730.3	1739.2	1748.1	1739.2	1730.3	1728.1	1698.0	1658.0	1637.9	1627.5
165°	1702.5	1704.8	1714.3	1723.6	1714.3	1704.8	1702.5	1681.0	1652.2	1637.9	1633.1
167.5°	1691.3	1692.3	1696.3	1700.3	1696.3	1692.3	1691.3	1677.2	1658.4	1649.0	1645.1
170°	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1677.2	1658.4	1649.0	1648.8
172.5°	1682.4	1681.5	1678.1	1674.6	1678.1	1681.5	1682.4	1671.3	1656.4	1649.0	1649.0
175°	1670.2	1670.2	1670.2	1670.2	1670.2	1670.2	1670.2	1663.1	1653.8	1649.0	1651.3
177.5°	1667.9	1667.0	1663.0	1659.0	1663.0	1667.0	1667.9	1662.4	1655.0	1651.3	1653.0
180°	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1265.6	1265.6	1265.6	1265.6	1265.6
2.5°	1249.9	1255.9	1259.6	1264.3	1276.3
5°	1202.1	1224.9	1232.0	1249.9	1271.5
7.5°	1096.7	1166.1	1185.3	1228.4	1261.9
10°	994.9	1064.4	1097.9	1199.7	1249.9
12.5°	943.4	984.2	1006.9	1149.4	1233.2
15°	911.1	939.8	956.6	1082.3	1214.1
17.5°	886.0	906.4	918.3	1016.5	1187.7
20°	870.4	880.0	890.7	968.6	1157.7
22.5°	859.7	853.7	862.0	935.1	1117.0
25°	852.5	829.7	839.3	908.8	1069.2
27.5°	858.4	808.2	811.7	884.8	1018.9
30°	859.7	781.8	783.0	859.7	962.6
32.5°	851.3	754.3	755.5	828.5	899.1
35°	830.9	722.0	720.8	792.6	812.9
37.5°	803.4	687.2	687.2	753.1	718.4
40°	769.9	652.5	656.1	701.6	634.6
42.5°	729.2	615.4	620.2	633.4	572.3
45°	684.8	579.5	583.1	535.2	524.4
47.5°	635.7	542.4	543.6	444.2	508.9
50°	577.1	504.1	499.2	380.7	507.6
52.5°	525.6	462.1	447.7	344.8	460.9
55°	475.3	417.8	386.7	317.2	427.4
57.5°	431.0	360.4	330.4	284.9	420.2
60°	390.3	304.1	281.4	250.2	385.5
62.5°	356.8	262.2	257.4	226.3	349.6
65°	320.9	233.5	232.3	205.9	296.9
67.5°	286.2	214.3	213.2	186.7	226.3
70°	249.0	194.0	191.6	166.4	167.6
72.5°	210.7	171.2	168.8	149.7	138.9
75°	172.4	144.9	143.7	130.5	112.6
77.5°	135.3	115.0	117.3	105.3	82.7
80°	96.9	83.8	86.2	75.4	62.2
82.5°	64.6	55.1	57.5	47.9	41.9
85°	35.9	31.2	32.3	25.2	19.2
87.5°	16.8	14.4	14.4	9.6	6.0
90°	49.0	31.2	28.9	20.1	11.2
92.5°	302.2	214.9	196.0	120.2	44.5
95°	743.4	418.6	384.0	245.5	106.9
97.5°	1001.4	459.9	429.4	307.1	184.9
100°	1095.3	494.4	466.7	355.8	244.9
102.5°	1138.4	528.9	503.0	399.6	296.2
105°	1170.2	580.1	558.2	470.6	383.0
107.5°	1176.2	655.8	635.4	553.8	472.1
110°	1167.3	698.1	679.7	606.0	532.3



TEST NUMBER: P935845

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1167.6	749.4	731.8	661.5	591.3
115°	1178.4	826.2	810.0	745.2	680.4
117.5°	1200.3	900.8	886.1	827.2	768.3
120°	1218.2	944.2	930.4	874.9	819.5
122.5°	1243.8	995.4	981.4	925.6	869.6
125°	1278.2	1061.1	1048.4	997.4	946.4
127.5°	1312.8	1124.6	1111.8	1060.3	1008.8
130°	1338.0	1166.9	1153.1	1097.7	1042.2
132.5°	1358.5	1201.5	1187.6	1132.2	1076.8
135°	1380.7	1241.5	1229.0	1178.4	1127.9
137.5°	1414.1	1292.7	1280.2	1230.3	1180.3
140°	1434.5	1327.2	1315.7	1269.8	1223.7
142.5°	1451.6	1352.9	1342.2	1299.7	1257.1
145°	1473.9	1391.9	1382.6	1345.4	1308.3
147.5°	1506.6	1440.9	1431.9	1395.7	1359.5
150°	1523.5	1466.4	1458.3	1425.6	1392.9
152.5°	1534.8	1483.2	1477.0	1452.2	1427.5
155°	1559.2	1519.9	1515.3	1497.0	1478.7
157.5°	1583.7	1556.6	1552.2	1534.4	1516.6
160°	1594.8	1573.3	1569.9	1556.0	1542.2
162.5°	1606.7	1591.2	1588.6	1578.2	1567.8
165°	1623.8	1616.7	1614.4	1604.9	1595.6
167.5°	1637.2	1631.3	1630.1	1625.6	1621.2
170°	1648.3	1648.0	1646.8	1642.3	1637.9
172.5°	1649.0	1649.0	1648.8	1647.8	1646.8
175°	1655.7	1659.0	1659.0	1659.0	1659.0
177.5°	1656.4	1659.0	1659.0	1659.0	1659.0
180°	1659.0	1659.0	1659.0	1659.0	1659.0



TEST NUMBER: P935845
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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	7.75	8.41	8.90	9.55	11.16	10.58	11.25	11.74	12.39	14.00
	3H	8.21	8.80	9.37	9.95	11.58	11.92	12.51	13.08	13.66	15.28
	4H	8.39	8.96	9.56	10.11	11.73	12.35	12.92	13.53	14.07	15.70
	6H	8.50	9.02	9.68	10.17	11.81	12.63	13.15	13.81	14.30	15.94
	8H	8.49	8.99	9.68	10.16	11.79	12.70	13.19	13.88	14.36	15.99
	12H	8.46	8.93	9.64	10.09	11.74	12.73	13.20	13.92	14.36	16.01
4H	2H	8.76	9.32	9.94	10.47	12.10	10.97	11.53	12.15	12.69	14.31
	3H	9.77	10.24	10.95	11.41	13.05	12.46	12.93	13.64	14.11	15.74
	4H	10.03	10.47	11.22	11.63	13.29	12.98	13.41	14.17	14.58	16.23
	6H	10.15	10.52	11.34	11.71	13.35	13.34	13.71	14.53	14.89	16.54
	8H	10.15	10.49	11.34	11.67	13.34	13.44	13.78	14.63	14.96	16.63
	12H	10.11	10.42	11.31	11.61	13.28	13.49	13.80	14.69	14.99	16.66
8H	4H	10.47	10.82	11.66	12.00	13.66	13.09	13.43	14.28	14.61	16.28
	6H	10.72	11.01	11.93	12.23	13.89	13.52	13.80	14.73	15.02	16.68
	8H	10.77	11.01	11.98	12.21	13.89	13.67	13.92	14.88	15.12	16.80
	12H	10.74	10.96	11.96	12.15	13.86	13.76	13.98	14.98	15.17	16.88
12H	4H	10.47	10.78	11.67	11.97	13.64	13.04	13.36	14.25	14.55	16.21
	6H	10.78	11.03	12.00	12.23	13.91	13.51	13.76	14.73	14.96	16.64
	8H	10.84	11.06	12.06	12.26	13.97	13.67	13.88	14.88	15.08	16.79