

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: P935867

Luminaire Tested: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-8-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935867
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-93050-1D-UNV-STD-W-8-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

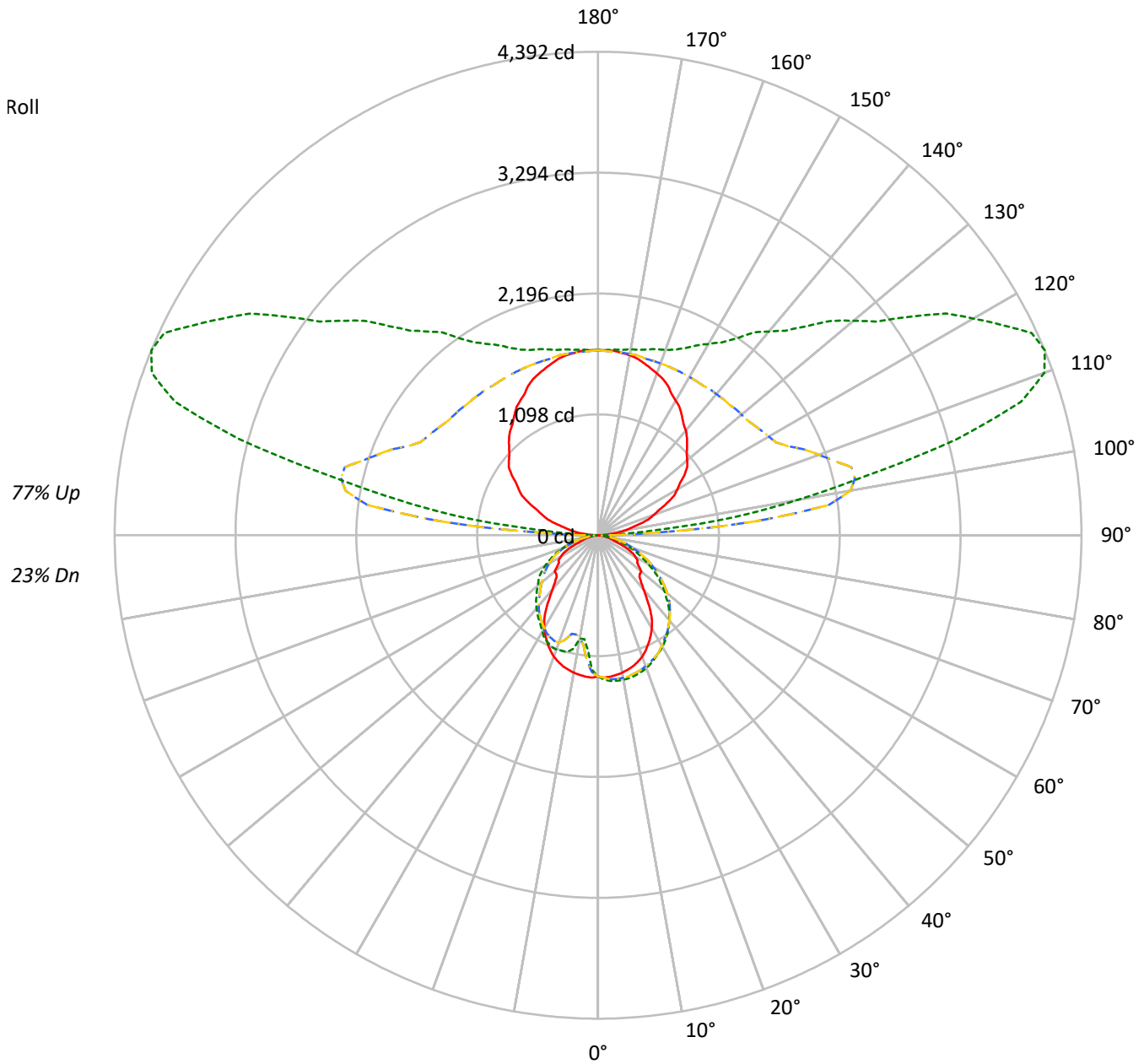
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14240.0 lumens
Efficiency: N/A
Efficacy: 128.1 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 (A_{in}): 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°	5954	5954	5954	5954
5°	5999	6010	5999	4726
10°	5958	5921	5958	4232
15°	5894	5792	5894	4837
20°	5770	5640	5770	4847
25°	5518	5419	5518	4744
30°	5192	5235	5192	4518
35°	4628	5002	4628	4270
40°	3857	4727	3857	4083
45°	3446	4407	3446	3868
50°	3661	4025	3661	3652
55°	3444	3613	3444	3527
60°	3550	3069	3550	3230
65°	3219	2536	3219	2835
70°	2230	2021	2230	2377
75°	1954	1494	1954	1790
80°	1574	988	1574	1075
85°	908	524	908	445

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5281 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.8	0.8
10°-20°	328.9	2.3
20°-30°	508.4	3.6
30°-40°	606.9	4.3
40°-50°	610.5	4.3
50°-60°	531.2	3.7
60°-70°	376.6	2.6
70°-80°	199.3	1.4
80°-90°	56.1	0.4
90°-100°	820.1	5.8
100°-110°	2156.0	15.1
110°-120°	2235.6	15.7
120°-130°	1793.2	12.6
130°-140°	1407.0	9.9
140°-150°	1079.9	7.6
150°-160°	777.7	5.5
160°-170°	475.9	3.3
170°-180°	160.8	1.1
0°-30°	953.2	6.7
0°-40°	1560.1	11.0
0°-60°	2701.8	19.0
0°-90°	3333.8	23.4
90°-120°	5211.7	36.6
90°-150°	9491.8	66.7
90°-180°	10906.0	76.6
0°-180°	14240.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1283	1283	1283	1283	1283	
5°	1289	1329	1289	1045	1289	122
15°	1231	1317	1231	1100	1231	346
25°	1084	1229	1084	1076	1084	498
35°	824	1096	824	936	824	510
45°	532	903	532	793	532	426
55°	433	667	433	651	433	398
65°	301	402	301	449	301	288
75°	114	191	114	228	114	120
85°	20	49	20	41	20	26
90°	11	43	11	43	11	10
95°	108	496	108	496	108	120
105°	388	3376	388	3376	388	412
115°	690	4347	690	4347	690	681
125°	960	3462	960	3462	960	852
135°	1144	2686	1144	2686	1144	885
145°	1327	2179	1327	2179	1327	831
155°	1500	1877	1500	1877	1500	689
165°	1618	1748	1618	1748	1618	457
175°	1682	1694	1682	1694	1682	160
180°	1682	1682	1682	1682	1682	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3
2.5°	1294.2	1294.2	1301.5	1304.0	1304.0	1300.3	1296.6	1300.3	1311.2	1314.8	1313.7
5°	1289.4	1299.1	1312.5	1314.8	1317.3	1316.1	1313.7	1316.1	1328.2	1330.7	1331.9
7.5°	1279.6	1297.9	1314.8	1318.5	1322.2	1318.5	1317.3	1319.7	1331.9	1334.3	1334.3
10°	1267.5	1293.0	1312.5	1314.8	1318.5	1314.8	1314.8	1319.7	1331.9	1334.3	1335.5
12.5°	1250.5	1285.7	1304.0	1306.3	1311.2	1310.0	1308.8	1313.7	1325.8	1328.2	1328.2
15°	1231.1	1272.4	1289.4	1291.8	1300.3	1297.9	1297.9	1302.7	1316.1	1319.7	1318.5
17.5°	1204.4	1255.4	1274.8	1278.4	1284.5	1283.3	1284.5	1289.4	1301.5	1304.0	1305.2
20°	1174.0	1232.3	1255.4	1259.0	1265.1	1265.1	1265.1	1271.1	1283.3	1288.1	1288.1
22.5°	1132.7	1208.0	1232.3	1234.7	1242.1	1242.1	1244.4	1252.9	1263.9	1265.1	1265.1
25°	1084.2	1181.3	1202.0	1209.2	1216.5	1220.2	1223.8	1228.7	1232.3	1231.1	1232.3
27.5°	1033.2	1147.3	1174.0	1178.9	1188.6	1192.3	1197.1	1198.3	1199.5	1203.1	1200.8
30°	976.1	1100.0	1140.1	1144.9	1160.7	1163.1	1158.2	1160.7	1166.8	1169.2	1171.6
32.5°	911.8	1029.5	1104.8	1115.8	1130.4	1123.0	1121.9	1125.5	1135.2	1135.2	1137.6
35°	824.3	974.9	1072.1	1081.8	1092.7	1084.2	1089.1	1090.3	1096.3	1100.0	1098.8
37.5°	728.5	927.6	1038.0	1045.4	1053.9	1042.9	1050.2	1053.9	1058.7	1056.2	1056.2
40°	643.5	853.5	998.0	1002.8	1010.2	1001.7	1008.9	1011.3	1013.8	1011.3	1010.2
42.5°	580.3	772.2	955.5	961.6	956.7	962.8	965.2	970.1	966.4	961.6	961.6
45°	531.8	750.3	909.3	916.7	909.3	919.1	922.7	922.7	911.8	909.3	908.1
47.5°	516.0	706.6	863.3	863.3	859.5	871.8	877.8	869.3	858.4	854.7	854.7
50°	514.8	658.1	800.1	795.3	812.2	826.8	820.7	812.2	803.7	790.4	790.4
52.5°	467.4	598.6	718.8	737.0	763.7	772.2	762.4	754.0	739.4	733.3	728.5
55°	433.4	536.7	644.7	681.1	709.0	720.0	701.8	693.3	671.4	667.7	665.3
57.5°	426.1	446.8	576.7	622.8	656.8	655.6	644.7	628.9	610.7	607.1	605.8
60°	390.9	323.0	503.8	558.5	593.7	590.1	580.3	565.7	548.8	546.4	543.9
62.5°	354.6	234.3	421.3	483.2	533.0	531.8	523.3	501.5	489.2	483.2	478.4
65°	301.1	196.7	299.9	401.9	473.5	475.9	457.7	441.9	428.6	421.3	420.1
67.5°	229.5	160.3	202.8	335.1	416.5	414.0	390.9	383.7	366.7	363.1	355.7
70°	170.0	106.8	140.8	272.0	360.6	354.6	336.3	327.8	312.0	303.5	298.7
72.5°	140.8	86.2	103.2	211.3	303.5	296.3	280.4	270.7	257.4	250.1	245.2
75°	114.1	91.1	78.9	156.6	246.5	241.6	227.0	217.3	206.4	196.7	197.9
77.5°	83.8	85.0	63.1	115.3	195.5	188.2	179.7	167.5	162.7	153.0	153.0
80°	63.1	66.8	47.3	78.9	140.8	140.8	133.5	125.1	116.6	111.7	111.7
82.5°	42.5	42.5	35.2	49.8	95.9	92.2	87.4	85.0	80.1	77.7	77.7
85°	19.5	24.3	21.8	30.3	52.2	54.7	54.7	52.2	51.0	48.6	49.8
87.5°	6.1	11.0	13.4	17.0	26.7	28.0	29.1	29.1	29.1	30.3	30.3
90°	11.3	20.4	29.3	31.6	49.7	73.8	85.8	76.3	57.2	42.9	42.9
92.5°	45.2	121.9	198.8	218.0	306.4	424.3	483.3	423.5	304.1	214.5	206.0
95°	108.4	248.9	389.4	424.5	753.8	1192.9	1412.5	1260.4	956.4	728.3	702.4
97.5°	187.5	311.4	435.4	466.3	1015.5	1747.7	2113.7	2017.6	1825.4	1681.2	1632.1
100°	248.4	360.8	473.2	501.4	1110.7	1923.1	2329.3	2336.4	2350.4	2360.9	2302.4
102.5°	300.3	405.2	510.1	536.3	1154.4	1978.3	2390.3	2512.8	2757.7	2941.3	2891.2
105°	388.4	477.2	566.1	588.3	1186.7	1984.6	2383.6	2658.1	3207.1	3618.8	3591.9
107.5°	478.7	561.6	644.3	665.0	1192.7	1896.3	2248.1	2630.9	3396.8	3971.1	3977.6
110°	539.7	614.5	689.3	707.9	1183.7	1818.0	2135.2	2563.2	3419.3	4061.5	4089.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	599.6	670.8	742.1	759.9	1184.0	1749.6	2032.4	2470.5	3346.7	4003.8	4047.0
115°	689.9	755.6	821.3	837.8	1195.0	1671.2	1909.3	2331.3	3175.4	3808.5	3868.3
117.5°	779.1	838.8	898.6	913.5	1217.2	1622.1	1824.6	2205.5	2967.3	3538.6	3605.0
120°	831.0	887.2	943.4	957.5	1235.3	1605.6	1790.8	2138.8	2834.9	3356.9	3421.3
122.5°	881.8	938.6	995.2	1009.4	1261.3	1597.0	1764.8	2078.2	2705.0	3175.0	3238.7
125°	959.7	1011.4	1063.1	1076.1	1296.2	1589.7	1736.6	2002.8	2535.2	2934.5	2993.1
127.5°	1023.0	1075.2	1127.4	1140.4	1331.2	1585.7	1712.8	1941.4	2398.6	2741.5	2790.9
130°	1056.9	1113.1	1169.3	1183.3	1356.8	1588.1	1703.8	1907.3	2314.3	2619.5	2665.2
132.5°	1091.9	1148.1	1204.3	1218.3	1377.6	1589.8	1695.9	1878.0	2242.4	2515.6	2556.5
135°	1143.8	1195.0	1246.2	1259.0	1400.1	1588.3	1682.3	1834.9	2140.1	2368.9	2404.1
137.5°	1196.9	1247.6	1298.2	1310.9	1434.0	1598.1	1680.2	1809.1	2067.0	2260.5	2289.3
140°	1240.9	1287.6	1334.2	1345.9	1454.7	1599.7	1672.2	1783.6	2006.5	2173.6	2200.5
142.5°	1274.7	1317.9	1361.1	1371.9	1472.0	1605.5	1672.2	1770.0	1965.7	2112.6	2135.7
145°	1326.7	1364.3	1402.0	1411.4	1494.6	1605.5	1660.9	1740.9	1901.0	2021.1	2038.7
147.5°	1378.7	1415.3	1452.0	1461.1	1527.7	1616.5	1660.9	1723.9	1849.8	1944.3	1958.9
150°	1412.5	1445.6	1478.8	1487.0	1544.9	1622.2	1660.9	1714.1	1820.5	1900.3	1912.1
152.5°	1447.5	1472.6	1497.8	1504.0	1556.3	1626.0	1660.9	1706.3	1797.1	1865.3	1874.1
155°	1499.5	1518.0	1536.6	1541.2	1581.1	1634.3	1660.9	1697.0	1769.3	1823.5	1829.4
157.5°	1537.9	1556.0	1574.0	1578.5	1605.9	1642.6	1660.9	1689.0	1745.2	1787.4	1791.6
160°	1563.8	1577.9	1591.9	1595.4	1617.3	1646.3	1660.9	1685.0	1733.2	1769.3	1771.7
162.5°	1589.8	1600.3	1610.9	1613.5	1629.3	1650.4	1660.9	1681.2	1721.9	1752.4	1754.7
165°	1618.0	1627.5	1637.1	1639.4	1646.6	1656.1	1660.9	1675.5	1704.6	1726.4	1728.8
167.5°	1644.0	1648.5	1653.0	1654.2	1660.2	1668.2	1672.2	1681.7	1700.8	1715.1	1716.1
170°	1660.9	1665.4	1669.9	1671.1	1671.5	1671.9	1672.2	1681.7	1700.8	1715.1	1715.1
172.5°	1669.9	1670.9	1671.9	1672.2	1672.2	1672.2	1672.2	1679.7	1694.7	1706.0	1705.1
175°	1682.3	1682.3	1682.3	1682.3	1679.0	1674.5	1672.2	1677.0	1686.5	1693.6	1693.6
177.5°	1682.3	1682.3	1682.3	1682.3	1679.7	1676.2	1674.5	1678.3	1685.8	1691.4	1690.4
180°	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3
2.5°	1316.1	1312.5	1316.1	1313.7	1314.8	1311.2	1300.3	1296.6	1300.3	1304.0	1304.0
5°	1331.9	1329.4	1331.9	1331.9	1330.7	1328.2	1316.1	1313.7	1316.1	1317.3	1314.8
7.5°	1336.7	1333.1	1336.7	1334.3	1334.3	1331.9	1319.7	1317.3	1318.5	1322.2	1318.5
10°	1336.7	1333.1	1336.7	1335.5	1334.3	1331.9	1319.7	1314.8	1314.8	1318.5	1314.8
12.5°	1330.7	1328.2	1330.7	1328.2	1328.2	1325.8	1313.7	1308.8	1310.0	1311.2	1306.3
15°	1320.9	1317.3	1320.9	1318.5	1319.7	1316.1	1302.7	1297.9	1297.9	1300.3	1291.8
17.5°	1306.3	1301.5	1306.3	1305.2	1304.0	1301.5	1289.4	1284.5	1283.3	1284.5	1278.4
20°	1289.4	1285.7	1289.4	1288.1	1288.1	1283.3	1271.1	1265.1	1265.1	1265.1	1259.0
22.5°	1262.7	1259.0	1262.7	1265.1	1265.1	1263.9	1252.9	1244.4	1242.1	1242.1	1234.7
25°	1232.3	1228.7	1232.3	1232.3	1231.1	1232.3	1228.7	1223.8	1220.2	1216.5	1209.2
27.5°	1203.1	1200.8	1203.1	1200.8	1203.1	1199.5	1198.3	1197.1	1192.3	1188.6	1178.9
30°	1174.0	1171.6	1174.0	1171.6	1169.2	1166.8	1160.7	1158.2	1163.1	1160.7	1144.9
32.5°	1137.6	1135.2	1137.6	1137.6	1135.2	1135.2	1125.5	1121.9	1123.0	1130.4	1115.8
35°	1100.0	1096.3	1100.0	1098.8	1100.0	1096.3	1090.3	1089.1	1084.2	1092.7	1081.8
37.5°	1056.2	1052.6	1056.2	1056.2	1056.2	1058.7	1053.9	1050.2	1042.9	1053.9	1045.4
40°	1011.3	1006.4	1011.3	1010.2	1011.3	1013.8	1011.3	1008.9	1001.7	1010.2	1002.8
42.5°	960.4	959.1	960.4	961.6	961.6	966.4	970.1	965.2	962.8	956.7	961.6
45°	905.7	903.3	905.7	908.1	909.3	911.8	922.7	922.7	919.1	909.3	916.7
47.5°	847.4	841.3	847.4	854.7	854.7	858.4	869.3	877.8	871.8	859.5	863.3
50°	785.5	786.8	785.5	790.4	790.4	803.7	812.2	820.7	826.8	812.2	795.3
52.5°	724.9	723.6	724.9	728.5	733.3	739.4	754.0	762.4	772.2	763.7	737.0
55°	664.1	666.6	664.1	665.3	667.7	671.4	693.3	701.8	720.0	709.0	681.1
57.5°	603.4	599.8	603.4	605.8	607.1	610.7	628.9	644.7	655.6	656.8	622.8
60°	533.0	528.2	533.0	543.9	546.4	548.8	565.7	580.3	590.1	593.7	558.5
62.5°	471.0	462.5	471.0	478.4	483.2	489.2	501.5	523.3	531.8	533.0	483.2
65°	405.5	401.9	405.5	420.1	421.3	428.6	441.9	457.7	475.9	473.5	401.9
67.5°	346.0	346.0	346.0	355.7	363.1	366.7	383.7	390.9	414.0	416.5	335.1
70°	291.4	290.2	291.4	298.7	303.5	312.0	327.8	336.3	354.6	360.6	272.0
72.5°	239.1	238.0	239.1	245.2	250.1	257.4	270.7	280.4	296.3	303.5	211.3
75°	193.1	190.6	193.1	197.9	196.7	206.4	217.3	227.0	241.6	246.5	156.6
77.5°	148.1	148.1	148.1	153.0	153.0	162.7	167.5	179.7	188.2	195.5	115.3
80°	110.5	109.3	110.5	111.7	111.7	116.6	125.1	133.5	140.8	140.8	78.9
82.5°	77.7	75.3	77.7	77.7	77.7	80.1	85.0	87.4	92.2	95.9	49.8
85°	48.6	48.6	48.6	49.8	48.6	51.0	52.2	54.7	54.7	52.2	30.3
87.5°	31.6	30.3	31.6	30.3	30.3	29.1	29.1	29.1	28.0	26.7	17.0
90°	42.9	42.9	42.9	42.9	42.9	57.2	76.3	85.8	73.8	49.7	31.6
92.5°	171.9	137.8	171.9	206.0	214.5	304.1	423.5	483.3	424.3	306.4	218.0
95°	599.0	495.7	599.0	702.4	728.3	956.4	1260.4	1412.5	1192.9	753.8	424.5
97.5°	1435.3	1238.6	1435.3	1632.1	1681.2	1825.4	2017.6	2113.7	1747.7	1015.5	466.3
100°	2068.0	1833.7	2068.0	2302.4	2360.9	2350.4	2336.4	2329.3	1923.1	1110.7	501.4
102.5°	2690.4	2489.7	2690.4	2891.2	2941.3	2757.7	2512.8	2390.3	1978.3	1154.4	536.3
105°	3484.0	3376.1	3484.0	3591.9	3618.8	3207.1	2658.1	2383.6	1984.6	1186.7	588.3
107.5°	4003.7	4029.8	4003.7	3977.6	3971.1	3396.8	2630.9	2248.1	1896.3	1192.7	665.0
110°	4201.9	4314.4	4201.9	4089.5	4061.5	3419.3	2563.2	2135.2	1818.0	1183.7	707.9



TEST NUMBER: P935867

CATALOG NUMBER: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4219.6	4392.2	4219.6	4047.0	4003.8	3346.7	2470.5	2032.4	1749.6	1184.0	759.9
115°	4107.7	4347.0	4107.7	3868.3	3808.5	3175.4	2331.3	1909.3	1671.2	1195.0	837.8
117.5°	3870.5	4136.0	3870.5	3605.0	3538.6	2967.3	2205.5	1824.6	1622.1	1217.2	913.5
120°	3679.3	3937.2	3679.3	3421.3	3356.9	2834.9	2138.8	1790.8	1605.6	1235.3	957.5
122.5°	3493.1	3747.5	3493.1	3238.7	3175.0	2705.0	2078.2	1764.8	1597.0	1261.3	1009.4
125°	3227.5	3461.9	3227.5	2993.1	2934.5	2535.2	2002.8	1736.6	1589.7	1296.2	1076.1
127.5°	2988.7	3186.3	2988.7	2790.9	2741.5	2398.6	1941.4	1712.8	1585.7	1331.2	1140.4
130°	2847.9	3030.6	2847.9	2665.2	2619.5	2314.3	1907.3	1703.8	1588.1	1356.8	1183.3
132.5°	2720.1	2883.8	2720.1	2556.5	2515.6	2242.4	1878.0	1695.9	1589.8	1377.6	1218.3
135°	2545.1	2686.2	2545.1	2404.1	2368.9	2140.1	1834.9	1682.3	1588.3	1400.1	1259.0
137.5°	2404.7	2520.1	2404.7	2289.3	2260.5	2067.0	1809.1	1680.2	1598.1	1434.0	1310.9
140°	2308.4	2416.3	2308.4	2200.5	2173.6	2006.5	1783.6	1672.2	1599.7	1454.7	1345.9
142.5°	2228.6	2321.5	2228.6	2135.7	2112.6	1965.7	1770.0	1672.2	1605.5	1472.0	1371.9
145°	2108.9	2179.2	2108.9	2038.7	2021.1	1901.0	1740.9	1660.9	1605.5	1494.6	1411.4
147.5°	2017.1	2075.3	2017.1	1958.9	1944.3	1849.8	1723.9	1660.9	1616.5	1527.7	1461.1
150°	1959.3	2006.5	1959.3	1912.1	1900.3	1820.5	1714.1	1660.9	1622.2	1544.9	1487.0
152.5°	1909.8	1945.5	1909.8	1874.1	1865.3	1797.1	1706.3	1660.9	1626.0	1556.3	1504.0
155°	1853.0	1876.6	1853.0	1829.4	1823.5	1769.3	1697.0	1660.9	1634.3	1581.1	1541.2
157.5°	1808.1	1824.6	1808.1	1791.6	1787.4	1745.2	1689.0	1660.9	1642.6	1605.9	1578.5
160°	1781.3	1790.8	1781.3	1771.7	1769.3	1733.2	1685.0	1660.9	1646.3	1617.3	1595.4
162.5°	1763.6	1772.7	1763.6	1754.7	1752.4	1721.9	1681.2	1660.9	1650.4	1629.3	1613.5
165°	1738.4	1747.9	1738.4	1728.8	1726.4	1704.6	1675.5	1660.9	1656.1	1646.6	1639.4
167.5°	1720.2	1724.2	1720.2	1716.1	1715.1	1700.8	1681.7	1672.2	1668.2	1660.2	1654.2
170°	1715.1	1715.1	1715.1	1715.1	1715.1	1700.8	1681.7	1672.2	1671.9	1671.5	1671.1
172.5°	1701.7	1698.2	1701.7	1705.1	1706.0	1694.7	1679.7	1672.2	1672.2	1672.2	1672.2
175°	1693.6	1693.6	1693.6	1693.6	1693.6	1686.5	1677.0	1672.2	1674.5	1679.0	1682.3
177.5°	1686.3	1682.3	1686.3	1690.4	1691.4	1685.8	1678.3	1674.5	1676.2	1679.7	1682.3
180°	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3



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CATALOG NUMBER: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3
2.5°	1301.5	1294.2	1294.2	1282.1	1277.3	1273.6	1267.5	1249.3	1244.4	1239.6	1246.9
5°	1312.5	1299.1	1289.4	1267.5	1249.3	1242.1	1219.0	1175.3	1146.1	1124.2	1112.1
7.5°	1314.8	1297.9	1279.6	1245.7	1202.0	1182.5	1112.1	1032.0	1010.2	990.7	978.6
10°	1312.5	1293.0	1267.5	1216.5	1113.3	1079.3	1008.9	956.7	943.4	939.7	943.4
12.5°	1304.0	1285.7	1250.5	1165.6	1021.0	998.0	956.7	926.3	923.9	930.0	962.8
15°	1289.4	1272.4	1231.1	1097.5	970.1	953.0	923.9	913.0	926.3	968.9	1067.2
17.5°	1274.8	1255.4	1204.4	1030.8	931.2	919.1	898.5	920.3	995.6	1052.6	1085.4
20°	1255.4	1232.3	1174.0	982.2	903.3	892.4	882.6	981.0	1038.0	1058.7	1076.9
22.5°	1232.3	1208.0	1132.7	948.2	874.1	865.7	871.8	1015.0	1038.0	1052.6	1068.4
25°	1202.0	1181.3	1084.2	921.5	851.1	841.3	864.4	1011.3	1024.7	1028.4	1059.9
27.5°	1174.0	1147.3	1033.2	897.2	823.2	819.5	870.5	995.6	1005.3	1008.9	1042.9
30°	1140.1	1100.0	976.1	871.8	794.0	792.8	871.8	976.1	973.7	983.5	1017.4
32.5°	1104.8	1029.5	911.8	840.2	766.1	764.9	863.3	947.0	944.5	957.9	983.5
35°	1072.1	974.9	824.3	803.7	730.9	732.1	842.6	913.0	914.2	926.3	942.2
37.5°	1038.0	927.6	728.5	763.7	696.9	696.9	814.6	881.4	879.0	882.6	904.5
40°	998.0	853.5	643.5	711.5	665.3	661.7	780.7	847.4	838.9	837.7	868.0
42.5°	955.5	772.2	580.3	642.3	628.9	624.0	739.4	806.1	790.4	794.0	832.8
45°	909.3	750.3	531.8	542.7	591.3	587.6	694.4	758.8	747.8	757.6	797.6
47.5°	863.3	706.6	516.0	450.4	551.2	550.0	644.7	712.6	706.6	716.3	758.8
50°	800.1	658.1	514.8	386.1	506.3	511.1	585.2	667.7	667.7	676.2	721.1
52.5°	718.8	598.6	467.4	349.7	454.0	468.6	533.0	628.9	631.3	639.9	679.9
55°	644.7	536.7	433.4	321.7	392.1	423.7	482.0	588.8	593.7	602.2	638.6
57.5°	576.7	446.8	426.1	288.9	335.1	365.4	437.1	550.0	552.4	559.7	594.9
60°	503.8	323.0	390.9	253.7	285.3	308.4	395.8	503.8	512.3	517.2	547.5
62.5°	421.3	234.3	354.6	229.5	261.0	265.8	361.8	460.2	471.0	474.8	493.0
65°	299.9	196.7	301.1	208.8	235.5	236.8	325.4	415.2	425.0	431.0	444.3
67.5°	202.8	160.3	229.5	189.4	216.2	217.3	290.2	363.1	376.4	381.3	389.8
70°	140.8	106.8	170.0	168.7	194.2	196.7	252.5	315.6	327.8	331.5	336.3
72.5°	103.2	86.2	140.8	151.8	171.2	173.6	213.7	262.2	274.4	278.1	280.4
75°	78.9	91.1	114.1	132.3	145.7	146.9	174.8	213.7	222.2	224.6	225.8
77.5°	63.1	85.0	83.8	106.8	118.9	116.6	137.2	165.1	172.4	172.4	172.4
80°	47.3	66.8	63.1	76.5	87.4	85.0	98.3	117.8	120.2	122.6	121.4
82.5°	35.2	42.5	42.5	48.6	58.3	55.8	65.5	76.5	76.5	76.5	78.9
85°	21.8	24.3	19.5	25.5	32.8	31.6	36.4	41.3	42.5	42.5	40.1
87.5°	13.4	11.0	6.1	9.7	14.6	14.6	17.0	18.2	17.0	17.0	17.0
90°	29.3	20.4	11.3	20.4	29.3	31.6	49.7	73.8	85.8	76.3	57.2
92.5°	198.8	121.9	45.2	121.9	198.8	218.0	306.4	424.3	483.3	423.5	304.1
95°	389.4	248.9	108.4	248.9	389.4	424.5	753.8	1192.9	1412.5	1260.4	956.4
97.5°	435.4	311.4	187.5	311.4	435.4	466.3	1015.5	1747.7	2113.7	2017.6	1825.4
100°	473.2	360.8	248.4	360.8	473.2	501.4	1110.7	1923.1	2329.3	2336.4	2350.4
102.5°	510.1	405.2	300.3	405.2	510.1	536.3	1154.4	1978.3	2390.3	2512.8	2757.7
105°	566.1	477.2	388.4	477.2	566.1	588.3	1186.7	1984.6	2383.6	2658.1	3207.1
107.5°	644.3	561.6	478.7	561.6	644.3	665.0	1192.7	1896.3	2248.1	2630.9	3396.8
110°	689.3	614.5	539.7	614.5	689.3	707.9	1183.7	1818.0	2135.2	2563.2	3419.3



TEST NUMBER: P935867

CATALOG NUMBER: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	742.1	670.8	599.6	670.8	742.1	759.9	1184.0	1749.6	2032.4	2470.5	3346.7
115°	821.3	755.6	689.9	755.6	821.3	837.8	1195.0	1671.2	1909.3	2331.3	3175.4
117.5°	898.6	838.8	779.1	838.8	898.6	913.5	1217.2	1622.1	1824.6	2205.5	2967.3
120°	943.4	887.2	831.0	887.2	943.4	957.5	1235.3	1605.6	1790.8	2138.8	2834.9
122.5°	995.2	938.6	881.8	938.6	995.2	1009.4	1261.3	1597.0	1764.8	2078.2	2705.0
125°	1063.1	1011.4	959.7	1011.4	1063.1	1076.1	1296.2	1589.7	1736.6	2002.8	2535.2
127.5°	1127.4	1075.2	1023.0	1075.2	1127.4	1140.4	1331.2	1585.7	1712.8	1941.4	2398.6
130°	1169.3	1113.1	1056.9	1113.1	1169.3	1183.3	1356.8	1588.1	1703.8	1907.3	2314.3
132.5°	1204.3	1148.1	1091.9	1148.1	1204.3	1218.3	1377.6	1589.8	1695.9	1878.0	2242.4
135°	1246.2	1195.0	1143.8	1195.0	1246.2	1259.0	1400.1	1588.3	1682.3	1834.9	2140.1
137.5°	1298.2	1247.6	1196.9	1247.6	1298.2	1310.9	1434.0	1598.1	1680.2	1809.1	2067.0
140°	1334.2	1287.6	1240.9	1287.6	1334.2	1345.9	1454.7	1599.7	1672.2	1783.6	2006.5
142.5°	1361.1	1317.9	1274.7	1317.9	1361.1	1371.9	1472.0	1605.5	1672.2	1770.0	1965.7
145°	1402.0	1364.3	1326.7	1364.3	1402.0	1411.4	1494.6	1605.5	1660.9	1740.9	1901.0
147.5°	1452.0	1415.3	1378.7	1415.3	1452.0	1461.1	1527.7	1616.5	1660.9	1723.9	1849.8
150°	1478.8	1445.6	1412.5	1445.6	1478.8	1487.0	1544.9	1622.2	1660.9	1714.1	1820.5
152.5°	1497.8	1472.6	1447.5	1472.6	1497.8	1504.0	1556.3	1626.0	1660.9	1706.3	1797.1
155°	1536.6	1518.0	1499.5	1518.0	1536.6	1541.2	1581.1	1634.3	1660.9	1697.0	1769.3
157.5°	1574.0	1556.0	1537.9	1556.0	1574.0	1578.5	1605.9	1642.6	1660.9	1689.0	1745.2
160°	1591.9	1577.9	1563.8	1577.9	1591.9	1595.4	1617.3	1646.3	1660.9	1685.0	1733.2
162.5°	1610.9	1600.3	1589.8	1600.3	1610.9	1613.5	1629.3	1650.4	1660.9	1681.2	1721.9
165°	1637.1	1627.5	1618.0	1627.5	1637.1	1639.4	1646.6	1656.1	1660.9	1675.5	1704.6
167.5°	1653.0	1648.5	1644.0	1648.5	1653.0	1654.2	1660.2	1668.2	1672.2	1681.7	1700.8
170°	1669.9	1665.4	1660.9	1665.4	1669.9	1671.1	1671.5	1671.9	1672.2	1681.7	1700.8
172.5°	1671.9	1670.9	1669.9	1670.9	1671.9	1672.2	1672.2	1672.2	1672.2	1679.7	1694.7
175°	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1679.0	1674.5	1672.2	1677.0	1686.5
177.5°	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1679.7	1676.2	1674.5	1678.3	1685.8
180°	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3



TEST NUMBER: P935867

CATALOG NUMBER: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3
2.5°	1238.4	1234.7	1239.6	1226.2	1239.6	1234.7	1238.4	1246.9	1239.6	1244.4	1249.3
5°	1086.6	1080.6	1061.1	1045.4	1061.1	1080.6	1086.6	1112.1	1124.2	1146.1	1175.3
7.5°	971.2	966.4	961.6	951.9	961.6	966.4	971.2	978.6	990.7	1010.2	1032.0
10°	945.8	947.0	954.3	953.0	954.3	947.0	945.8	943.4	939.7	943.4	956.7
12.5°	1011.3	1022.3	1062.3	1059.9	1062.3	1022.3	1011.3	962.8	930.0	923.9	926.3
15°	1086.6	1090.3	1098.8	1100.0	1098.8	1090.3	1086.6	1067.2	968.9	926.3	913.0
17.5°	1093.9	1095.2	1101.2	1101.2	1101.2	1095.2	1093.9	1085.4	1052.6	995.6	920.3
20°	1087.8	1090.3	1102.4	1104.8	1102.4	1090.3	1087.8	1076.9	1058.7	1038.0	981.0
22.5°	1085.4	1090.3	1100.0	1098.8	1100.0	1090.3	1085.4	1068.4	1052.6	1038.0	1015.0
25°	1073.2	1073.2	1074.5	1075.7	1074.5	1073.2	1073.2	1059.9	1028.4	1024.7	1011.3
27.5°	1047.7	1050.2	1057.5	1056.2	1057.5	1050.2	1047.7	1042.9	1008.9	1005.3	995.6
30°	1024.7	1022.3	1016.2	1011.3	1016.2	1022.3	1024.7	1017.4	983.5	973.7	976.1
32.5°	985.8	979.7	973.7	970.1	973.7	979.7	985.8	983.5	957.9	944.5	947.0
35°	939.7	940.9	939.7	936.0	939.7	940.9	939.7	942.2	926.3	914.2	913.0
37.5°	907.0	909.3	908.1	903.3	908.1	909.3	907.0	904.5	882.6	879.0	881.4
40°	872.9	874.1	872.9	869.3	872.9	874.1	872.9	868.0	837.7	838.9	847.4
42.5°	840.2	838.9	835.3	832.8	835.3	838.9	840.2	832.8	794.0	790.4	806.1
45°	802.5	803.7	796.5	792.8	796.5	803.7	802.5	797.6	757.6	747.8	758.8
47.5°	764.9	764.9	758.8	755.2	758.8	764.9	764.9	758.8	716.3	706.6	712.6
50°	724.9	723.6	715.1	713.9	715.1	723.6	724.9	721.1	676.2	667.7	667.7
52.5°	678.7	678.7	679.9	682.3	679.9	678.7	678.7	679.9	639.9	631.3	628.9
55°	638.6	639.9	648.4	650.7	648.4	639.9	638.6	638.6	602.2	593.7	588.8
57.5°	597.3	597.3	603.4	603.4	603.4	597.3	597.3	594.9	559.7	552.4	550.0
60°	550.0	552.4	557.3	556.0	557.3	552.4	550.0	547.5	517.2	512.3	503.8
62.5°	500.2	502.6	503.8	501.5	503.8	502.6	500.2	493.0	474.8	471.0	460.2
65°	448.0	450.4	451.7	449.2	451.7	450.4	448.0	444.3	431.0	425.0	415.2
67.5°	394.6	393.4	392.1	397.0	392.1	393.4	394.6	389.8	381.3	376.4	363.1
70°	340.0	340.0	338.7	341.2	338.7	340.0	340.0	336.3	331.5	327.8	315.6
72.5°	281.7	280.4	285.3	281.7	285.3	280.4	281.7	280.4	278.1	274.4	262.2
75°	224.6	227.0	224.6	228.3	224.6	227.0	224.6	225.8	224.6	222.2	213.7
77.5°	171.2	173.6	171.2	171.2	171.2	173.6	171.2	172.4	172.4	172.4	165.1
80°	121.4	120.2	120.2	118.9	120.2	120.2	121.4	121.4	122.6	120.2	117.8
82.5°	77.7	76.5	76.5	78.9	76.5	76.5	77.7	78.9	76.5	76.5	76.5
85°	42.5	43.7	41.3	41.3	41.3	43.7	42.5	40.1	42.5	42.5	41.3
87.5°	15.7	14.6	14.6	14.6	14.6	14.6	15.7	17.0	17.0	17.0	18.2
90°	42.9	42.9	42.9	42.9	42.9	42.9	42.9	57.2	76.3	85.8	73.8
92.5°	214.5	206.0	171.9	137.8	171.9	206.0	214.5	304.1	423.5	483.3	424.3
95°	728.3	702.4	599.0	495.7	599.0	702.4	728.3	956.4	1260.4	1412.5	1192.9
97.5°	1681.2	1632.1	1435.3	1238.6	1435.3	1632.1	1681.2	1825.4	2017.6	2113.7	1747.7
100°	2360.9	2302.4	2068.0	1833.7	2068.0	2302.4	2360.9	2350.4	2336.4	2329.3	1923.1
102.5°	2941.3	2891.2	2690.4	2489.7	2690.4	2891.2	2941.3	2757.7	2512.8	2390.3	1978.3
105°	3618.8	3591.9	3484.0	3376.1	3484.0	3591.9	3618.8	3207.1	2658.1	2383.6	1984.6
107.5°	3971.1	3977.6	4003.7	4029.8	4003.7	3977.6	3971.1	3396.8	2630.9	2248.1	1896.3
110°	4061.5	4089.5	4201.9	4314.4	4201.9	4089.5	4061.5	3419.3	2563.2	2135.2	1818.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4003.8	4047.0	4219.6	4392.2	4219.6	4047.0	4003.8	3346.7	2470.5	2032.4	1749.6
115°	3808.5	3868.3	4107.7	4347.0	4107.7	3868.3	3808.5	3175.4	2331.3	1909.3	1671.2
117.5°	3538.6	3605.0	3870.5	4136.0	3870.5	3605.0	3538.6	2967.3	2205.5	1824.6	1622.1
120°	3356.9	3421.3	3679.3	3937.2	3679.3	3421.3	3356.9	2834.9	2138.8	1790.8	1605.6
122.5°	3175.0	3238.7	3493.1	3747.5	3493.1	3238.7	3175.0	2705.0	2078.2	1764.8	1597.0
125°	2934.5	2993.1	3227.5	3461.9	3227.5	2993.1	2934.5	2535.2	2002.8	1736.6	1589.7
127.5°	2741.5	2790.9	2988.7	3186.3	2988.7	2790.9	2741.5	2398.6	1941.4	1712.8	1585.7
130°	2619.5	2665.2	2847.9	3030.6	2847.9	2665.2	2619.5	2314.3	1907.3	1703.8	1588.1
132.5°	2515.6	2556.5	2720.1	2883.8	2720.1	2556.5	2515.6	2242.4	1878.0	1695.9	1589.8
135°	2368.9	2404.1	2545.1	2686.2	2545.1	2404.1	2368.9	2140.1	1834.9	1682.3	1588.3
137.5°	2260.5	2289.3	2404.7	2520.1	2404.7	2289.3	2260.5	2067.0	1809.1	1680.2	1598.1
140°	2173.6	2200.5	2308.4	2416.3	2308.4	2200.5	2173.6	2006.5	1783.6	1672.2	1599.7
142.5°	2112.6	2135.7	2228.6	2321.5	2228.6	2135.7	2112.6	1965.7	1770.0	1672.2	1605.5
145°	2021.1	2038.7	2108.9	2179.2	2108.9	2038.7	2021.1	1901.0	1740.9	1660.9	1605.5
147.5°	1944.3	1958.9	2017.1	2075.3	2017.1	1958.9	1944.3	1849.8	1723.9	1660.9	1616.5
150°	1900.3	1912.1	1959.3	2006.5	1959.3	1912.1	1900.3	1820.5	1714.1	1660.9	1622.2
152.5°	1865.3	1874.1	1909.8	1945.5	1909.8	1874.1	1865.3	1797.1	1706.3	1660.9	1626.0
155°	1823.5	1829.4	1853.0	1876.6	1853.0	1829.4	1823.5	1769.3	1697.0	1660.9	1634.3
157.5°	1787.4	1791.6	1808.1	1824.6	1808.1	1791.6	1787.4	1745.2	1689.0	1660.9	1642.6
160°	1769.3	1771.7	1781.3	1790.8	1781.3	1771.7	1769.3	1733.2	1685.0	1660.9	1646.3
162.5°	1752.4	1754.7	1763.6	1772.7	1763.6	1754.7	1752.4	1721.9	1681.2	1660.9	1650.4
165°	1726.4	1728.8	1738.4	1747.9	1738.4	1728.8	1726.4	1704.6	1675.5	1660.9	1656.1
167.5°	1715.1	1716.1	1720.2	1724.2	1720.2	1716.1	1715.1	1700.8	1681.7	1672.2	1668.2
170°	1715.1	1715.1	1715.1	1715.1	1715.1	1715.1	1715.1	1700.8	1681.7	1672.2	1671.9
172.5°	1706.0	1705.1	1701.7	1698.2	1701.7	1705.1	1706.0	1694.7	1679.7	1672.2	1672.2
175°	1693.6	1693.6	1693.6	1693.6	1693.6	1693.6	1693.6	1686.5	1677.0	1672.2	1674.5
177.5°	1691.4	1690.4	1686.3	1682.3	1686.3	1690.4	1691.4	1685.8	1678.3	1674.5	1676.2
180°	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1283.3	1283.3	1283.3	1283.3	1283.3
2.5°	1267.5	1273.6	1277.3	1282.1	1294.2
5°	1219.0	1242.1	1249.3	1267.5	1289.4
7.5°	1112.1	1182.5	1202.0	1245.7	1279.6
10°	1008.9	1079.3	1113.3	1216.5	1267.5
12.5°	956.7	998.0	1021.0	1165.6	1250.5
15°	923.9	953.0	970.1	1097.5	1231.1
17.5°	898.5	919.1	931.2	1030.8	1204.4
20°	882.6	892.4	903.3	982.2	1174.0
22.5°	871.8	865.7	874.1	948.2	1132.7
25°	864.4	841.3	851.1	921.5	1084.2
27.5°	870.5	819.5	823.2	897.2	1033.2
30°	871.8	792.8	794.0	871.8	976.1
32.5°	863.3	764.9	766.1	840.2	911.8
35°	842.6	732.1	730.9	803.7	824.3
37.5°	814.6	696.9	696.9	763.7	728.5
40°	780.7	661.7	665.3	711.5	643.5
42.5°	739.4	624.0	628.9	642.3	580.3
45°	694.4	587.6	591.3	542.7	531.8
47.5°	644.7	550.0	551.2	450.4	516.0
50°	585.2	511.1	506.3	386.1	514.8
52.5°	533.0	468.6	454.0	349.7	467.4
55°	482.0	423.7	392.1	321.7	433.4
57.5°	437.1	365.4	335.1	288.9	426.1
60°	395.8	308.4	285.3	253.7	390.9
62.5°	361.8	265.8	261.0	229.5	354.6
65°	325.4	236.8	235.5	208.8	301.1
67.5°	290.2	217.3	216.2	189.4	229.5
70°	252.5	196.7	194.2	168.7	170.0
72.5°	213.7	173.6	171.2	151.8	140.8
75°	174.8	146.9	145.7	132.3	114.1
77.5°	137.2	116.6	118.9	106.8	83.8
80°	98.3	85.0	87.4	76.5	63.1
82.5°	65.5	55.8	58.3	48.6	42.5
85°	36.4	31.6	32.8	25.5	19.5
87.5°	17.0	14.6	14.6	9.7	6.1
90°	49.7	31.6	29.3	20.4	11.3
92.5°	306.4	218.0	198.8	121.9	45.2
95°	753.8	424.5	389.4	248.9	108.4
97.5°	1015.5	466.3	435.4	311.4	187.5
100°	1110.7	501.4	473.2	360.8	248.4
102.5°	1154.4	536.3	510.1	405.2	300.3
105°	1186.7	588.3	566.1	477.2	388.4
107.5°	1192.7	665.0	644.3	561.6	478.7
110°	1183.7	707.9	689.3	614.5	539.7



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CATALOG NUMBER: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1184.0	759.9	742.1	670.8	599.6
115°	1195.0	837.8	821.3	755.6	689.9
117.5°	1217.2	913.5	898.6	838.8	779.1
120°	1235.3	957.5	943.4	887.2	831.0
122.5°	1261.3	1009.4	995.2	938.6	881.8
125°	1296.2	1076.1	1063.1	1011.4	959.7
127.5°	1331.2	1140.4	1127.4	1075.2	1023.0
130°	1356.8	1183.3	1169.3	1113.1	1056.9
132.5°	1377.6	1218.3	1204.3	1148.1	1091.9
135°	1400.1	1259.0	1246.2	1195.0	1143.8
137.5°	1434.0	1310.9	1298.2	1247.6	1196.9
140°	1454.7	1345.9	1334.2	1287.6	1240.9
142.5°	1472.0	1371.9	1361.1	1317.9	1274.7
145°	1494.6	1411.4	1402.0	1364.3	1326.7
147.5°	1527.7	1461.1	1452.0	1415.3	1378.7
150°	1544.9	1487.0	1478.8	1445.6	1412.5
152.5°	1556.3	1504.0	1497.8	1472.6	1447.5
155°	1581.1	1541.2	1536.6	1518.0	1499.5
157.5°	1605.9	1578.5	1574.0	1556.0	1537.9
160°	1617.3	1595.4	1591.9	1577.9	1563.8
162.5°	1629.3	1613.5	1610.9	1600.3	1589.8
165°	1646.6	1639.4	1637.1	1627.5	1618.0
167.5°	1660.2	1654.2	1653.0	1648.5	1644.0
170°	1671.5	1671.1	1669.9	1665.4	1660.9
172.5°	1672.2	1672.2	1671.9	1670.9	1669.9
175°	1679.0	1682.3	1682.3	1682.3	1682.3
177.5°	1679.7	1682.3	1682.3	1682.3	1682.3
180°	1682.3	1682.3	1682.3	1682.3	1682.3



TEST NUMBER: P935867
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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	7.80	8.46	8.95	9.60	11.21	10.63	11.30	11.79	12.44	14.05
	3H	8.26	8.85	9.42	10.00	11.62	11.97	12.56	13.13	13.71	15.33
	4H	8.44	9.00	9.61	10.16	11.78	12.40	12.97	13.57	14.12	15.74
	6H	8.55	9.07	9.73	10.22	11.86	12.68	13.20	13.86	14.35	15.99
	8H	8.54	9.04	9.73	10.21	11.83	12.75	13.24	13.93	14.41	16.04
	12H	8.51	8.98	9.69	10.14	11.79	12.78	13.25	13.97	14.41	16.06
4H	2H	8.81	9.37	9.99	10.52	12.15	11.02	11.58	12.20	12.73	14.36
	3H	9.81	10.29	11.00	11.46	13.10	12.51	12.98	13.69	14.15	15.79
	4H	10.08	10.52	11.27	11.68	13.34	13.03	13.46	14.21	14.63	16.28
	6H	10.20	10.57	11.39	11.75	13.40	13.38	13.76	14.57	14.94	16.59
	8H	10.20	10.54	11.39	11.72	13.38	13.49	13.83	14.68	15.01	16.67
	12H	10.15	10.47	11.36	11.66	13.32	13.54	13.85	14.74	15.04	16.71
8H	4H	10.52	10.87	11.71	12.05	13.71	13.14	13.48	14.33	14.66	16.32
	6H	10.77	11.06	11.98	12.28	13.94	13.57	13.85	14.78	15.07	16.73
	8H	10.81	11.06	12.03	12.26	13.94	13.72	13.97	14.93	15.16	16.84
	12H	10.79	11.01	12.01	12.20	13.91	13.81	14.03	15.03	15.22	16.93
12H	4H	10.52	10.83	11.72	12.02	13.69	13.09	13.41	14.30	14.59	16.26
	6H	10.83	11.08	12.05	12.28	13.96	13.56	13.81	14.78	15.01	16.69
	8H	10.89	11.11	12.11	12.30	14.01	13.72	13.93	14.93	15.13	16.84