

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: P935890

Luminaire Tested: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-6-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935890
REPORT IS A COMBINATION OF REPORTS P933771 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-6-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

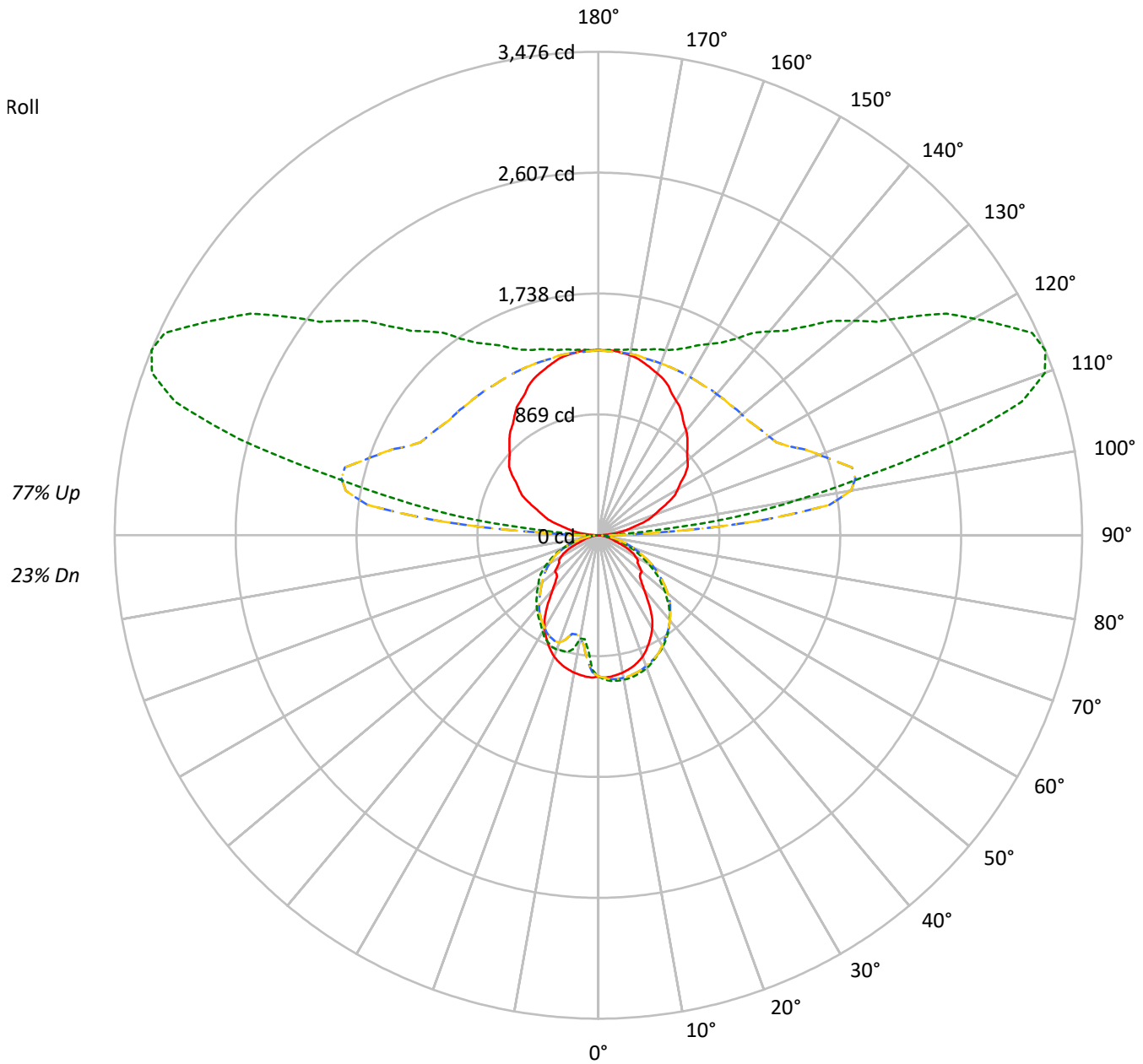
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11268.1 lumens
Efficiency: N/A
Efficacy: 135.1 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): 83.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - - - 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	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°	6282	6282	6282	6282
5°	6326	6341	6326	4986
10°	6281	6247	6281	4466
15°	6211	6111	6211	5103
20°	6079	5951	6079	5113
25°	5811	5717	5811	5005
30°	5465	5523	5465	4768
35°	4870	5277	4870	4506
40°	4055	4989	4055	4308
45°	3621	4649	3621	4081
50°	3843	4247	3843	3853
55°	3612	3811	3612	3721
60°	3719	3237	3719	3408
65°	3368	2676	3368	2992
70°	2326	2132	2326	2508
75°	2032	1576	2032	1888
80°	1624	1041	1624	1135
85°	918	552	918	470

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5554 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.7	0.8
10°-20°	260.3	2.3
20°-30°	402.3	3.6
30°-40°	480.3	4.3
40°-50°	483.1	4.3
50°-60°	420.3	3.7
60°-70°	298.0	2.6
70°-80°	157.7	1.4
80°-90°	44.4	0.4
90°-100°	648.9	5.8
100°-110°	1706.1	15.1
110°-120°	1769.0	15.7
120°-130°	1418.9	12.6
130°-140°	1113.4	9.9
140°-150°	854.6	7.6
150°-160°	615.4	5.5
160°-170°	376.6	3.3
170°-180°	127.2	1.1
0°-30°	754.2	6.7
0°-40°	1234.5	11.0
0°-60°	2137.9	19.0
0°-90°	2638.0	23.4
90°-120°	4124.0	36.6
90°-150°	7510.9	66.7
90°-180°	8630.0	76.6
0°-180°	11268.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1016	1016	1016	1016	1016	
5°	1020	1052	1020	827	1020	97
15°	974	1042	974	870	974	274
25°	858	972	858	851	858	394
35°	652	868	652	741	652	404
45°	421	715	421	627	421	337
55°	343	527	343	515	343	315
65°	238	318	238	356	238	228
75°	90	151	90	181	90	95
85°	15	38	15	33	15	21
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°	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5
2.5°	1024.1	1024.1	1029.9	1031.8	1031.8	1028.9	1026.1	1028.9	1037.6	1040.5	1039.5
5°	1020.2	1028.0	1038.6	1040.5	1042.4	1041.4	1039.5	1041.4	1051.0	1053.0	1053.9
7.5°	1012.6	1027.0	1040.5	1043.3	1046.2	1043.3	1042.4	1044.3	1053.9	1055.8	1055.8
10°	1002.9	1023.2	1038.6	1040.5	1043.3	1040.5	1040.5	1044.3	1053.9	1055.8	1056.8
12.5°	989.6	1017.4	1031.8	1033.7	1037.6	1036.7	1035.6	1039.5	1049.1	1051.0	1051.0
15°	974.2	1006.9	1020.2	1022.2	1028.9	1027.0	1027.0	1030.8	1041.4	1044.3	1043.3
17.5°	953.0	993.4	1008.8	1011.6	1016.4	1015.5	1016.4	1020.2	1029.9	1031.8	1032.7
20°	929.0	975.2	993.4	996.3	1001.0	1001.0	1001.0	1005.9	1015.5	1019.3	1019.3
22.5°	896.4	955.9	975.2	977.1	982.8	982.8	984.7	991.5	1000.1	1001.0	1001.0
25°	857.9	934.8	951.1	956.9	962.6	965.5	968.4	972.3	975.2	974.2	975.2
27.5°	817.6	907.8	929.0	932.8	940.6	943.4	947.3	948.2	949.2	952.0	950.1
30°	772.4	870.4	902.1	905.9	918.4	920.3	916.5	918.4	923.2	925.2	927.1
32.5°	721.5	814.7	874.2	882.9	894.5	888.6	887.7	890.5	898.3	898.3	900.2
35°	652.4	771.4	848.3	856.0	864.7	857.9	861.8	862.7	867.5	870.4	869.4
37.5°	576.4	734.0	821.4	827.1	833.9	825.2	831.0	833.9	837.7	835.8	835.8
40°	509.2	675.4	789.7	793.5	799.3	792.6	798.4	800.3	802.2	800.3	799.3
42.5°	459.3	611.0	756.1	760.8	757.0	761.8	763.8	767.6	764.8	760.8	760.8
45°	420.8	593.7	719.6	725.3	719.6	727.2	730.1	730.1	721.5	719.6	718.6
47.5°	408.3	559.2	683.1	683.1	680.2	689.8	694.6	687.9	679.2	676.3	676.3
50°	407.3	520.7	633.1	629.2	642.7	654.3	649.4	642.7	636.0	625.4	625.4
52.5°	369.9	473.6	568.7	583.1	604.3	611.0	603.4	596.6	585.0	580.3	576.4
55°	342.9	424.6	510.2	539.0	561.1	569.7	555.3	548.6	531.3	528.4	526.5
57.5°	337.2	353.5	456.3	492.9	519.7	518.8	510.2	497.7	483.2	480.4	479.4
60°	309.3	255.6	398.7	442.0	469.8	466.9	459.3	447.7	434.2	432.3	430.4
62.5°	280.5	185.5	333.4	382.4	421.7	420.8	414.1	396.8	387.2	382.4	378.6
65°	238.3	155.7	237.3	318.0	374.6	376.6	362.2	349.7	339.1	333.4	332.4
67.5°	181.5	126.8	160.4	265.2	329.6	327.6	309.3	303.6	290.1	287.3	281.5
70°	134.5	84.5	111.4	215.2	285.4	280.5	266.2	259.4	246.9	240.2	236.4
72.5°	111.4	68.2	81.7	167.1	240.2	234.5	221.9	214.2	203.7	197.9	194.1
75°	90.3	72.0	62.5	124.0	195.0	191.2	179.6	172.0	163.3	155.7	156.6
77.5°	66.3	67.2	49.9	91.3	154.7	148.9	142.2	132.6	128.7	121.1	121.1
80°	49.9	52.8	37.4	62.5	111.4	111.4	105.7	98.9	92.3	88.4	88.4
82.5°	33.6	33.6	27.9	39.3	75.9	73.1	69.1	67.2	63.4	61.5	61.5
85°	15.4	19.2	17.3	24.0	41.4	43.3	43.3	41.4	40.4	38.4	39.3
87.5°	4.8	8.7	10.6	13.5	21.1	22.1	23.0	23.0	23.0	24.0	24.0
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°	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5
2.5°	1041.4	1038.6	1041.4	1039.5	1040.5	1037.6	1028.9	1026.1	1028.9	1031.8	1031.8
5°	1053.9	1051.9	1053.9	1053.9	1053.0	1051.0	1041.4	1039.5	1041.4	1042.4	1040.5
7.5°	1057.8	1054.9	1057.8	1055.8	1055.8	1053.9	1044.3	1042.4	1043.3	1046.2	1043.3
10°	1057.8	1054.9	1057.8	1056.8	1055.8	1053.9	1044.3	1040.5	1040.5	1043.3	1040.5
12.5°	1053.0	1051.0	1053.0	1051.0	1051.0	1049.1	1039.5	1035.6	1036.7	1037.6	1033.7
15°	1045.2	1042.4	1045.2	1043.3	1044.3	1041.4	1030.8	1027.0	1027.0	1028.9	1022.2
17.5°	1033.7	1029.9	1033.7	1032.7	1031.8	1029.9	1020.2	1016.4	1015.5	1016.4	1011.6
20°	1020.2	1017.4	1020.2	1019.3	1019.3	1015.5	1005.9	1001.0	1001.0	1001.0	996.3
22.5°	999.1	996.3	999.1	1001.0	1001.0	1000.1	991.5	984.7	982.8	982.8	977.1
25°	975.2	972.3	975.2	975.2	974.2	975.2	972.3	968.4	965.5	962.6	956.9
27.5°	952.0	950.1	952.0	950.1	952.0	949.2	948.2	947.3	943.4	940.6	932.8
30°	929.0	927.1	929.0	927.1	925.2	923.2	918.4	916.5	920.3	918.4	905.9
32.5°	900.2	898.3	900.2	900.2	898.3	898.3	890.5	887.7	888.6	894.5	882.9
35°	870.4	867.5	870.4	869.4	870.4	867.5	862.7	861.8	857.9	864.7	856.0
37.5°	835.8	833.0	835.8	835.8	835.8	837.7	833.9	831.0	825.2	833.9	827.1
40°	800.3	796.5	800.3	799.3	800.3	802.2	800.3	798.4	792.6	799.3	793.5
42.5°	759.9	758.9	759.9	760.8	760.8	764.8	767.6	763.8	761.8	757.0	760.8
45°	716.7	714.7	716.7	718.6	719.6	721.5	730.1	730.1	727.2	719.6	725.3
47.5°	670.6	665.7	670.6	676.3	676.3	679.2	687.9	694.6	689.8	680.2	683.1
50°	621.6	622.6	621.6	625.4	625.4	636.0	642.7	649.4	654.3	642.7	629.2
52.5°	573.6	572.6	573.6	576.4	580.3	585.0	596.6	603.4	611.0	604.3	583.1
55°	525.5	527.4	525.5	526.5	528.4	531.3	548.6	555.3	569.7	561.1	539.0
57.5°	477.5	474.6	477.5	479.4	480.4	483.2	497.7	510.2	518.8	519.7	492.9
60°	421.7	417.9	421.7	430.4	432.3	434.2	447.7	459.3	466.9	469.8	442.0
62.5°	372.7	366.1	372.7	378.6	382.4	387.2	396.8	414.1	420.8	421.7	382.4
65°	320.9	318.0	320.9	332.4	333.4	339.1	349.7	362.2	376.6	374.6	318.0
67.5°	273.8	273.8	273.8	281.5	287.3	290.1	303.6	309.3	327.6	329.6	265.2
70°	230.5	229.6	230.5	236.4	240.2	246.9	259.4	266.2	280.5	285.4	215.2
72.5°	189.3	188.3	189.3	194.1	197.9	203.7	214.2	221.9	234.5	240.2	167.1
75°	152.8	150.8	152.8	156.6	155.7	163.3	172.0	179.6	191.2	195.0	124.0
77.5°	117.2	117.2	117.2	121.1	121.1	128.7	132.6	142.2	148.9	154.7	91.3
80°	87.4	86.4	87.4	88.4	88.4	92.3	98.9	105.7	111.4	111.4	62.5
82.5°	61.5	59.6	61.5	61.5	61.5	63.4	67.2	69.1	73.1	75.9	39.3
85°	38.4	38.4	38.4	39.3	38.4	40.4	41.4	43.3	43.3	41.4	24.0
87.5°	25.0	24.0	25.0	24.0	24.0	23.0	23.0	23.0	22.1	21.1	13.5
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: P935890

CATALOG NUMBER: SQ4-FA-150U-050D-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: P935890

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5
2.5°	1029.9	1024.1	1024.1	1014.5	1010.7	1007.8	1002.9	988.6	984.7	980.9	986.6
5°	1038.6	1028.0	1020.2	1002.9	988.6	982.8	964.6	930.0	906.9	889.6	880.0
7.5°	1040.5	1027.0	1012.6	985.7	951.1	935.7	880.0	816.6	799.3	784.0	774.3
10°	1038.6	1023.2	1002.9	962.6	881.0	854.1	798.4	757.0	746.4	743.6	746.4
12.5°	1031.8	1017.4	989.6	922.2	807.9	789.7	757.0	733.1	731.1	735.9	761.8
15°	1020.2	1006.9	974.2	868.5	767.6	754.2	731.1	722.5	733.1	766.7	844.5
17.5°	1008.8	993.4	953.0	815.7	736.9	727.2	710.9	728.2	787.8	833.0	858.8
20°	993.4	975.2	929.0	777.2	714.7	706.1	698.4	776.2	821.4	837.7	852.1
22.5°	975.2	955.9	896.4	750.3	691.7	685.0	689.8	803.2	821.4	833.0	845.5
25°	951.1	934.8	857.9	729.1	673.5	665.7	684.1	800.3	810.8	813.8	838.7
27.5°	929.0	907.8	817.6	709.9	651.4	648.4	688.8	787.8	795.5	798.4	825.2
30°	902.1	870.4	772.4	689.8	628.3	627.3	689.8	772.4	770.5	778.1	805.1
32.5°	874.2	814.7	721.5	664.8	606.2	605.3	683.1	749.4	747.5	758.0	778.1
35°	848.3	771.4	652.4	636.0	578.3	579.3	666.7	722.5	723.4	733.1	745.5
37.5°	821.4	734.0	576.4	604.3	551.4	551.4	644.6	697.4	695.5	698.4	715.8
40°	789.7	675.4	509.2	563.0	526.5	523.6	617.7	670.6	663.8	662.9	686.9
42.5°	756.1	611.0	459.3	508.3	497.7	493.8	585.0	637.9	625.4	628.3	659.0
45°	719.6	593.7	420.8	429.5	467.9	465.0	549.5	600.4	591.8	599.5	631.2
47.5°	683.1	559.2	408.3	356.4	436.1	435.2	510.2	563.9	559.2	566.8	600.4
50°	633.1	520.7	407.3	305.5	400.6	404.4	463.1	528.4	528.4	535.1	570.7
52.5°	568.7	473.6	369.9	276.7	359.3	370.8	421.7	497.7	499.6	506.3	538.0
55°	510.2	424.6	342.9	254.6	310.3	335.3	381.4	465.9	469.8	476.5	505.3
57.5°	456.3	353.5	337.2	228.6	265.2	289.2	345.9	435.2	437.1	442.9	470.7
60°	398.7	255.6	309.3	200.7	225.8	244.0	313.1	398.7	405.4	409.2	433.3
62.5°	333.4	185.5	280.5	181.5	206.6	210.4	286.3	364.1	372.7	375.6	390.0
65°	237.3	155.7	238.3	165.2	186.4	187.4	257.5	328.5	336.3	341.0	351.6
67.5°	160.4	126.8	181.5	149.8	171.0	172.0	229.6	287.3	297.9	301.7	308.4
70°	111.4	84.5	134.5	133.5	153.8	155.7	199.8	249.8	259.4	262.2	266.2
72.5°	81.7	68.2	111.4	120.0	135.4	137.4	169.1	207.5	217.2	220.0	221.9
75°	62.5	72.0	90.3	104.8	115.3	116.2	138.4	169.1	175.8	177.7	178.7
77.5°	49.9	67.2	66.3	84.5	94.2	92.3	108.6	130.6	136.4	136.4	136.4
80°	37.4	52.8	49.9	60.5	69.1	67.2	77.8	93.2	95.1	97.0	96.1
82.5°	27.9	33.6	33.6	38.4	46.1	44.2	51.9	60.5	60.5	60.5	62.5
85°	17.3	19.2	15.4	20.2	26.0	25.0	28.8	32.7	33.6	33.6	31.7
87.5°	10.6	8.7	4.8	7.6	11.6	11.6	13.5	14.4	13.5	13.5	13.5
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: P935890

CATALOG NUMBER: SQ4-FA-150U-050D-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: P935890

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5
2.5°	979.9	977.1	980.9	970.3	980.9	977.1	979.9	986.6	980.9	984.7	988.6
5°	859.9	855.0	839.6	827.1	839.6	855.0	859.9	880.0	889.6	906.9	930.0
7.5°	768.6	764.8	760.8	753.2	760.8	764.8	768.6	774.3	784.0	799.3	816.6
10°	748.4	749.4	755.1	754.2	755.1	749.4	748.4	746.4	743.6	746.4	757.0
12.5°	800.3	808.9	840.6	838.7	840.6	808.9	800.3	761.8	735.9	731.1	733.1
15°	859.9	862.7	869.4	870.4	869.4	862.7	859.9	844.5	766.7	733.1	722.5
17.5°	865.6	866.6	871.3	871.3	871.3	866.6	865.6	858.8	833.0	787.8	728.2
20°	860.8	862.7	872.3	874.2	872.3	862.7	860.8	852.1	837.7	821.4	776.2
22.5°	858.8	862.7	870.4	869.4	870.4	862.7	858.8	845.5	833.0	821.4	803.2
25°	849.3	849.3	850.2	851.2	850.2	849.3	849.3	838.7	813.8	810.8	800.3
27.5°	829.1	831.0	836.8	835.8	836.8	831.0	829.1	825.2	798.4	795.5	787.8
30°	810.8	808.9	804.1	800.3	804.1	808.9	810.8	805.1	778.1	770.5	772.4
32.5°	780.1	775.3	770.5	767.6	770.5	775.3	780.1	778.1	758.0	747.5	749.4
35°	743.6	744.5	743.6	740.7	743.6	744.5	743.6	745.5	733.1	723.4	722.5
37.5°	717.7	719.6	718.6	714.7	718.6	719.6	717.7	715.8	698.4	695.5	697.4
40°	690.8	691.7	690.8	687.9	690.8	691.7	690.8	686.9	662.9	663.8	670.6
42.5°	664.8	663.8	661.0	659.0	661.0	663.8	664.8	659.0	628.3	625.4	637.9
45°	635.1	636.0	630.2	627.3	630.2	636.0	635.1	631.2	599.5	591.8	600.4
47.5°	605.3	605.3	600.4	597.5	600.4	605.3	605.3	600.4	566.8	559.2	563.9
50°	573.6	572.6	565.8	564.9	565.8	572.6	573.6	570.7	535.1	528.4	528.4
52.5°	537.0	537.0	538.0	540.0	538.0	537.0	537.0	538.0	506.3	499.6	497.7
55°	505.3	506.3	513.0	514.9	513.0	506.3	505.3	505.3	476.5	469.8	465.9
57.5°	472.6	472.6	477.5	477.5	477.5	472.6	472.6	470.7	442.9	437.1	435.2
60°	435.2	437.1	440.9	440.0	440.9	437.1	435.2	433.3	409.2	405.4	398.7
62.5°	395.8	397.8	398.7	396.8	398.7	397.8	395.8	390.0	375.6	372.7	364.1
65°	354.5	356.4	357.4	355.5	357.4	356.4	354.5	351.6	341.0	336.3	328.5
67.5°	312.2	311.2	310.3	314.2	310.3	311.2	312.2	308.4	301.7	297.9	287.3
70°	269.0	269.0	268.1	270.0	268.1	269.0	269.0	266.2	262.2	259.4	249.8
72.5°	222.9	221.9	225.8	222.9	225.8	221.9	222.9	221.9	220.0	217.2	207.5
75°	177.7	179.6	177.7	180.6	177.7	179.6	177.7	178.7	177.7	175.8	169.1
77.5°	135.4	137.4	135.4	135.4	135.4	137.4	135.4	136.4	136.4	136.4	130.6
80°	96.1	95.1	95.1	94.2	95.1	95.1	96.1	96.1	97.0	95.1	93.2
82.5°	61.5	60.5	60.5	62.5	60.5	60.5	61.5	62.5	60.5	60.5	60.5
85°	33.6	34.6	32.7	32.7	32.7	34.6	33.6	31.7	33.6	33.6	32.7
87.5°	12.5	11.6	11.6	11.6	11.6	11.6	12.5	13.5	13.5	13.5	14.4
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°	1015.5	1015.5	1015.5	1015.5	1015.5
2.5°	1002.9	1007.8	1010.7	1014.5	1024.1
5°	964.6	982.8	988.6	1002.9	1020.2
7.5°	880.0	935.7	951.1	985.7	1012.6
10°	798.4	854.1	881.0	962.6	1002.9
12.5°	757.0	789.7	807.9	922.2	989.6
15°	731.1	754.2	767.6	868.5	974.2
17.5°	710.9	727.2	736.9	815.7	953.0
20°	698.4	706.1	714.7	777.2	929.0
22.5°	689.8	685.0	691.7	750.3	896.4
25°	684.1	665.7	673.5	729.1	857.9
27.5°	688.8	648.4	651.4	709.9	817.6
30°	689.8	627.3	628.3	689.8	772.4
32.5°	683.1	605.3	606.2	664.8	721.5
35°	666.7	579.3	578.3	636.0	652.4
37.5°	644.6	551.4	551.4	604.3	576.4
40°	617.7	523.6	526.5	563.0	509.2
42.5°	585.0	493.8	497.7	508.3	459.3
45°	549.5	465.0	467.9	429.5	420.8
47.5°	510.2	435.2	436.1	356.4	408.3
50°	463.1	404.4	400.6	305.5	407.3
52.5°	421.7	370.8	359.3	276.7	369.9
55°	381.4	335.3	310.3	254.6	342.9
57.5°	345.9	289.2	265.2	228.6	337.2
60°	313.1	244.0	225.8	200.7	309.3
62.5°	286.3	210.4	206.6	181.5	280.5
65°	257.5	187.4	186.4	165.2	238.3
67.5°	229.6	172.0	171.0	149.8	181.5
70°	199.8	155.7	153.8	133.5	134.5
72.5°	169.1	137.4	135.4	120.0	111.4
75°	138.4	116.2	115.3	104.8	90.3
77.5°	108.6	92.3	94.2	84.5	66.3
80°	77.8	67.2	69.1	60.5	49.9
82.5°	51.9	44.2	46.1	38.4	33.6
85°	28.8	25.0	26.0	20.2	15.4
87.5°	13.5	11.6	11.6	7.6	4.8
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: P935890

CATALOG NUMBER: SQ4-FA-150U-050D-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



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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	7.98	8.64	9.13	9.78	11.39	10.80	11.47	11.96	12.61	14.22
	3H	8.44	9.03	9.60	10.18	11.81	12.13	12.72	13.29	13.88	15.50
	4H	8.62	9.19	9.79	10.34	11.96	12.56	13.13	13.74	14.28	15.91
	6H	8.73	9.25	9.91	10.40	12.04	12.84	13.36	14.02	14.51	16.15
	8H	8.72	9.22	9.91	10.39	12.02	12.90	13.40	14.09	14.57	16.20
	12H	8.69	9.16	9.87	10.32	11.97	12.94	13.40	14.12	14.57	16.22
4H	2H	8.98	9.55	10.16	10.70	12.33	11.19	11.75	12.37	12.90	14.53
	3H	9.99	10.46	11.18	11.64	13.28	12.67	13.14	13.86	14.32	15.96
	4H	10.26	10.69	11.45	11.86	13.51	13.19	13.62	14.38	14.79	16.45
	6H	10.37	10.74	11.56	11.93	13.58	13.54	13.91	14.73	15.10	16.75
	8H	10.37	10.72	11.56	11.90	13.56	13.64	13.99	14.83	15.17	16.83
	12H	10.33	10.65	11.54	11.84	13.50	13.69	14.00	14.90	15.19	16.86
8H	4H	10.70	11.04	11.89	12.22	13.88	13.30	13.65	14.49	14.82	16.49
	6H	10.95	11.24	12.16	12.46	14.12	13.73	14.01	14.93	15.23	16.89
	8H	10.99	11.24	12.20	12.44	14.12	13.87	14.12	15.09	15.32	17.00
	12H	10.97	11.18	12.18	12.38	14.09	13.96	14.18	15.18	15.38	17.09
12H	4H	10.69	11.01	11.90	12.20	13.86	13.25	13.57	14.46	14.76	16.42
	6H	11.01	11.26	12.22	12.45	14.13	13.72	13.97	14.93	15.17	16.85
	8H	11.07	11.28	12.28	12.48	14.19	13.87	14.09	15.09	15.29	17.00