

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: P935864

Luminaire Tested: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-6-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935864
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-93050-1D-UNV-STD-W-6-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

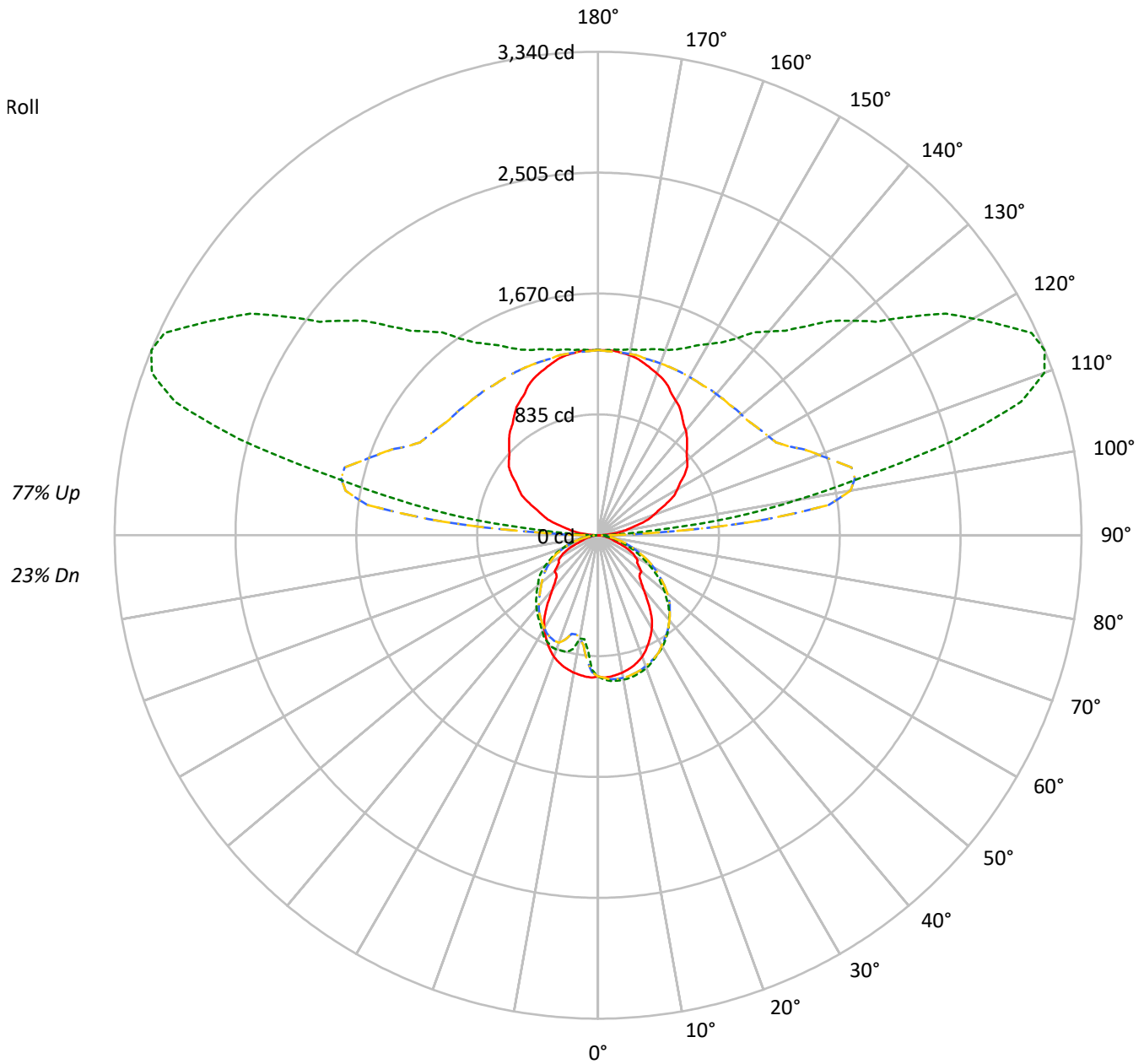
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10827.9 lumens
Efficiency: N/A
Efficacy: 129.8 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

TEST NUMBER: P935864
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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°	6036	6036	6036	6036
5°	6079	6093	6079	4791
10°	6036	6003	6036	4291
15°	5968	5873	5968	4904
20°	5841	5718	5841	4914
25°	5584	5494	5584	4809
30°	5251	5307	5251	4581
35°	4680	5071	4680	4330
40°	3897	4794	3897	4140
45°	3479	4468	3479	3921
50°	3693	4080	3693	3702
55°	3471	3662	3471	3576
60°	3574	3111	3574	3275
65°	3236	2572	3236	2875
70°	2235	2049	2235	2409
75°	1953	1514	1953	1813
80°	1562	1002	1562	1091
85°	882	530	882	451

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5337 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.1	0.8
10°-20°	250.1	2.3
20°-30°	386.6	3.6
30°-40°	461.5	4.3
40°-50°	464.2	4.3
50°-60°	403.9	3.7
60°-70°	286.4	2.6
70°-80°	151.5	1.4
80°-90°	42.6	0.4
90°-100°	623.6	5.8
100°-110°	1639.4	15.1
110°-120°	1699.9	15.7
120°-130°	1363.5	12.6
130°-140°	1069.9	9.9
140°-150°	821.2	7.6
150°-160°	591.4	5.5
160°-170°	361.8	3.3
170°-180°	122.2	1.1
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0°-30°	724.8	6.7
0°-40°	1186.3	11.0
0°-60°	2054.4	19.0
0°-90°	2535.0	23.4
90°-120°	3962.9	36.6
90°-150°	7217.5	66.7
90°-180°	8293.0	76.6
0°-180°	10827.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	976	976	976	976	976	
5°	980	1011	980	795	980	93
15°	936	1002	936	836	936	263
25°	824	934	824	818	824	379
35°	627	834	627	712	627	388
45°	404	687	404	603	404	324
55°	330	507	330	495	330	303
65°	229	306	229	342	229	219
75°	87	145	87	174	87	91
85°	15	37	15	31	15	20
90°	9	33	9	33	9	8
95°	82	377	82	377	82	91
105°	295	2567	295	2567	295	313
115°	525	3305	525	3305	525	518
125°	730	2632	730	2632	730	648
135°	870	2042	870	2042	870	673
145°	1009	1657	1009	1657	1009	632
155°	1140	1427	1140	1427	1140	524
165°	1230	1329	1230	1329	1230	347
175°	1279	1288	1279	1288	1279	121
180°	1279	1279	1279	1279	1279	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8
2.5°	984.1	984.1	989.6	991.5	991.5	988.7	986.0	988.7	997.1	999.8	998.9
5°	980.4	987.8	998.0	999.8	1001.7	1000.7	998.9	1000.7	1009.9	1011.9	1012.8
7.5°	973.0	986.9	999.8	1002.6	1005.3	1002.6	1001.7	1003.5	1012.8	1014.6	1014.6
10°	963.8	983.2	998.0	999.8	1002.6	999.8	999.8	1003.5	1012.8	1014.6	1015.5
12.5°	950.9	977.6	991.5	993.3	997.1	996.2	995.1	998.9	1008.1	1009.9	1009.9
15°	936.1	967.5	980.4	982.3	988.7	986.9	986.9	990.6	1000.7	1003.5	1002.6
17.5°	915.8	954.6	969.4	972.1	976.7	975.8	976.7	980.4	989.6	991.5	992.4
20°	892.7	937.1	954.6	957.3	961.9	961.9	961.9	966.6	975.8	979.5	979.5
22.5°	861.3	918.5	937.1	938.9	944.4	944.4	946.2	952.8	961.0	961.9	961.9
25°	824.4	898.2	913.9	919.5	925.0	927.8	930.5	934.3	937.1	936.1	937.1
27.5°	785.6	872.4	892.7	896.4	903.8	906.6	910.3	911.2	912.1	914.9	913.0
30°	742.2	836.4	866.9	870.5	882.5	884.4	880.7	882.5	887.1	889.1	890.9
32.5°	693.3	782.9	840.1	848.4	859.5	853.9	853.0	855.8	863.2	863.2	865.0
35°	626.9	741.3	815.2	822.5	830.9	824.4	828.1	829.0	833.6	836.4	835.5
37.5°	553.9	705.3	789.3	794.8	801.3	793.0	798.6	801.3	805.0	803.2	803.2
40°	489.3	649.0	758.8	762.5	768.1	761.6	767.2	769.0	770.9	769.0	768.1
42.5°	441.3	587.1	726.5	731.1	727.5	732.0	734.0	737.6	734.9	731.1	731.1
45°	404.3	570.5	691.5	697.0	691.5	698.8	701.6	701.6	693.3	691.5	690.6
47.5°	392.3	537.3	656.4	656.4	653.6	662.9	667.4	661.0	652.7	649.9	649.9
50°	391.4	500.3	608.3	604.7	617.6	628.7	624.0	617.6	611.2	601.0	601.0
52.5°	355.4	455.1	546.5	560.3	580.7	587.1	579.8	573.3	562.2	557.6	553.9
55°	329.5	408.0	490.2	517.9	539.1	547.4	533.6	527.1	510.5	507.8	505.9
57.5°	324.0	339.7	438.5	473.6	499.4	498.5	490.2	478.2	464.4	461.6	460.7
60°	297.2	245.6	383.1	424.7	451.4	448.7	441.3	430.2	417.3	415.4	413.6
62.5°	269.5	178.2	320.4	367.4	405.3	404.3	397.9	381.3	372.0	367.4	363.8
65°	229.0	149.6	228.0	305.6	360.0	361.8	348.1	336.1	325.9	320.4	319.4
67.5°	174.5	121.9	154.2	254.8	316.7	314.8	297.2	291.7	278.8	276.0	270.5
70°	129.2	81.2	107.1	206.8	274.2	269.5	255.8	249.2	237.2	230.8	227.1
72.5°	107.1	65.5	78.5	160.6	230.8	225.3	213.3	205.8	195.7	190.1	186.5
75°	86.8	69.2	60.0	119.1	187.4	183.7	172.6	165.3	156.9	149.6	150.5
77.5°	63.7	64.6	48.0	87.7	148.7	143.1	136.6	127.4	123.7	116.4	116.4
80°	48.0	50.7	36.0	60.0	107.1	107.1	101.6	95.1	88.6	85.0	85.0
82.5°	32.3	32.3	26.8	37.8	73.0	70.2	66.4	64.6	60.9	59.1	59.1
85°	14.8	18.4	16.6	23.0	39.7	41.6	41.6	39.7	38.8	36.9	37.8
87.5°	4.6	8.4	10.2	12.9	20.3	21.2	22.1	22.1	22.1	23.0	23.0
90°	8.6	15.5	22.3	24.0	37.8	56.1	65.2	58.0	43.5	32.7	32.7
92.5°	34.3	92.7	151.1	165.7	233.0	322.7	367.4	322.0	231.3	163.2	156.7
95°	82.4	189.2	296.1	322.8	573.3	907.1	1074.1	958.4	727.2	553.7	534.1
97.5°	142.5	236.8	331.0	354.6	772.1	1328.9	1607.3	1534.2	1388.0	1278.4	1241.0
100°	188.9	274.4	359.8	381.2	844.6	1462.3	1771.2	1776.6	1787.3	1795.3	1750.8
102.5°	228.4	308.2	387.9	407.8	877.8	1504.3	1817.6	1910.6	2096.8	2236.5	2198.3
105°	295.3	362.9	430.4	447.3	902.4	1509.1	1812.4	2021.1	2438.6	2751.7	2731.2
107.5°	364.0	427.0	490.0	505.6	906.9	1441.9	1709.4	2000.6	2582.9	3019.6	3024.5
110°	410.4	467.3	524.1	538.3	900.1	1382.3	1623.5	1949.0	2600.0	3088.2	3109.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	455.9	510.1	564.2	577.8	900.4	1330.4	1545.4	1878.5	2544.8	3044.5	3077.3
115°	524.6	574.6	624.6	637.1	908.6	1270.7	1451.8	1772.7	2414.5	2895.9	2941.4
117.5°	592.4	637.8	683.2	694.6	925.6	1233.5	1387.5	1677.1	2256.2	2690.7	2741.2
120°	631.9	674.7	717.5	728.1	939.3	1220.9	1361.7	1626.3	2155.6	2552.5	2601.5
122.5°	670.6	713.7	756.8	767.6	959.0	1214.3	1341.9	1580.3	2056.8	2414.3	2462.6
125°	729.8	769.0	808.4	818.2	985.6	1208.9	1320.5	1522.9	1927.7	2231.4	2275.9
127.5°	777.8	817.5	857.2	867.1	1012.2	1205.7	1302.4	1476.2	1823.8	2084.5	2122.2
130°	803.6	846.4	889.2	899.8	1031.8	1207.7	1295.6	1450.3	1759.8	1991.9	2026.5
132.5°	830.2	873.0	915.8	926.4	1047.5	1208.9	1289.5	1428.0	1705.1	1912.8	1944.0
135°	869.7	908.6	947.6	957.3	1064.6	1207.7	1279.3	1395.3	1627.3	1801.3	1828.0
137.5°	910.1	948.6	987.2	996.8	1090.4	1215.1	1277.5	1375.6	1571.7	1718.8	1740.8
140°	943.6	979.1	1014.5	1023.4	1106.1	1216.4	1271.6	1356.3	1525.7	1652.8	1673.2
142.5°	969.3	1002.1	1035.0	1043.1	1119.3	1220.8	1271.6	1346.0	1494.7	1606.3	1624.0
145°	1008.8	1037.5	1066.1	1073.2	1136.5	1220.8	1262.9	1323.8	1445.6	1536.9	1550.2
147.5°	1048.3	1076.2	1104.0	1111.0	1161.6	1229.2	1262.9	1310.8	1406.6	1478.4	1489.5
150°	1074.1	1099.2	1124.4	1130.7	1174.7	1233.6	1262.9	1303.4	1384.3	1444.9	1453.9
152.5°	1100.7	1119.8	1138.9	1143.6	1183.4	1236.4	1262.9	1297.4	1366.5	1418.3	1425.1
155°	1140.1	1154.3	1168.4	1171.9	1202.3	1242.7	1262.9	1290.4	1345.3	1386.5	1391.0
157.5°	1169.3	1183.1	1196.9	1200.3	1221.2	1249.0	1262.9	1284.3	1327.1	1359.1	1362.2
160°	1189.1	1199.8	1210.4	1213.1	1229.7	1251.8	1262.9	1281.3	1317.9	1345.3	1347.2
162.5°	1208.9	1216.9	1224.8	1226.9	1238.9	1254.9	1262.9	1278.3	1309.3	1332.5	1334.2
165°	1230.4	1237.6	1244.8	1246.6	1252.0	1259.3	1262.9	1274.0	1296.2	1312.8	1314.6
167.5°	1250.1	1253.5	1257.0	1257.8	1262.4	1268.5	1271.6	1278.8	1293.3	1304.1	1304.9
170°	1262.9	1266.3	1269.8	1270.6	1270.9	1271.4	1271.6	1278.8	1293.3	1304.1	1304.1
172.5°	1269.8	1270.5	1271.4	1271.6	1271.6	1271.6	1271.6	1277.2	1288.7	1297.3	1296.6
175°	1279.3	1279.3	1279.3	1279.3	1276.7	1273.3	1271.6	1275.1	1282.4	1287.8	1287.8
177.5°	1279.3	1279.3	1279.3	1279.3	1277.2	1274.6	1273.2	1276.1	1281.8	1286.1	1285.4
180°	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8
2.5°	1000.7	998.0	1000.7	998.9	999.8	997.1	988.7	986.0	988.7	991.5	991.5
5°	1012.8	1010.8	1012.8	1012.8	1011.9	1009.9	1000.7	998.9	1000.7	1001.7	999.8
7.5°	1016.4	1013.7	1016.4	1014.6	1014.6	1012.8	1003.5	1001.7	1002.6	1005.3	1002.6
10°	1016.4	1013.7	1016.4	1015.5	1014.6	1012.8	1003.5	999.8	999.8	1002.6	999.8
12.5°	1011.9	1009.9	1011.9	1009.9	1009.9	1008.1	998.9	995.1	996.2	997.1	993.3
15°	1004.4	1001.7	1004.4	1002.6	1003.5	1000.7	990.6	986.9	986.9	988.7	982.3
17.5°	993.3	989.6	993.3	992.4	991.5	989.6	980.4	976.7	975.8	976.7	972.1
20°	980.4	977.6	980.4	979.5	979.5	975.8	966.6	961.9	961.9	961.9	957.3
22.5°	960.1	957.3	960.1	961.9	961.9	961.0	952.8	946.2	944.4	944.4	938.9
25°	937.1	934.3	937.1	937.1	936.1	937.1	934.3	930.5	927.8	925.0	919.5
27.5°	914.9	913.0	914.9	913.0	914.9	912.1	911.2	910.3	906.6	903.8	896.4
30°	892.7	890.9	892.7	890.9	889.1	887.1	882.5	880.7	884.4	882.5	870.5
32.5°	865.0	863.2	865.0	865.0	863.2	863.2	855.8	853.0	853.9	859.5	848.4
35°	836.4	833.6	836.4	835.5	836.4	833.6	829.0	828.1	824.4	830.9	822.5
37.5°	803.2	800.4	803.2	803.2	803.2	805.0	801.3	798.6	793.0	801.3	794.8
40°	769.0	765.4	769.0	768.1	769.0	770.9	769.0	767.2	761.6	768.1	762.5
42.5°	730.2	729.3	730.2	731.1	731.1	734.9	737.6	734.0	732.0	727.5	731.1
45°	688.7	686.8	688.7	690.6	691.5	693.3	701.6	701.6	698.8	691.5	697.0
47.5°	644.4	639.7	644.4	649.9	649.9	652.7	661.0	667.4	662.9	653.6	656.4
50°	597.3	598.2	597.3	601.0	601.0	611.2	617.6	624.0	628.7	617.6	604.7
52.5°	551.2	550.2	551.2	553.9	557.6	562.2	573.3	579.8	587.1	580.7	560.3
55°	505.0	506.8	505.0	505.9	507.8	510.5	527.1	533.6	547.4	539.1	517.9
57.5°	458.8	456.1	458.8	460.7	461.6	464.4	478.2	490.2	498.5	499.4	473.6
60°	405.3	401.6	405.3	413.6	415.4	417.3	430.2	441.3	448.7	451.4	424.7
62.5°	358.2	351.8	358.2	363.8	367.4	372.0	381.3	397.9	404.3	405.3	367.4
65°	308.3	305.6	308.3	319.4	320.4	325.9	336.1	348.1	361.8	360.0	305.6
67.5°	263.1	263.1	263.1	270.5	276.0	278.8	291.7	297.2	314.8	316.7	254.8
70°	221.5	220.6	221.5	227.1	230.8	237.2	249.2	255.8	269.5	274.2	206.8
72.5°	181.9	181.0	181.9	186.5	190.1	195.7	205.8	213.3	225.3	230.8	160.6
75°	146.8	144.9	146.8	150.5	149.6	156.9	165.3	172.6	183.7	187.4	119.1
77.5°	112.6	112.6	112.6	116.4	116.4	123.7	127.4	136.6	143.1	148.7	87.7
80°	84.0	83.1	84.0	85.0	85.0	88.6	95.1	101.6	107.1	107.1	60.0
82.5°	59.1	57.3	59.1	59.1	59.1	60.9	64.6	66.4	70.2	73.0	37.8
85°	36.9	36.9	36.9	37.8	36.9	38.8	39.7	41.6	41.6	39.7	23.0
87.5°	24.0	23.0	24.0	23.0	23.0	22.1	22.1	22.1	21.2	20.3	12.9
90°	32.7	32.7	32.7	32.7	32.7	43.5	58.0	65.2	56.1	37.8	24.0
92.5°	130.7	104.7	130.7	156.7	163.2	231.3	322.0	367.4	322.7	233.0	165.7
95°	455.5	376.9	455.5	534.1	553.7	727.2	958.4	1074.1	907.1	573.3	322.8
97.5°	1091.4	941.8	1091.4	1241.0	1278.4	1388.0	1534.2	1607.3	1328.9	772.1	354.6
100°	1572.6	1394.3	1572.6	1750.8	1795.3	1787.3	1776.6	1771.2	1462.3	844.6	381.2
102.5°	2045.7	1893.1	2045.7	2198.3	2236.5	2096.8	1910.6	1817.6	1504.3	877.8	407.8
105°	2649.1	2567.1	2649.1	2731.2	2751.7	2438.6	2021.1	1812.4	1509.1	902.4	447.3
107.5°	3044.4	3064.2	3044.4	3024.5	3019.6	2582.9	2000.6	1709.4	1441.9	906.9	505.6
110°	3195.0	3280.6	3195.0	3109.6	3088.2	2600.0	1949.0	1623.5	1382.3	900.1	538.3



TEST NUMBER: P935864

CATALOG NUMBER: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3208.5	3339.8	3208.5	3077.3	3044.5	2544.8	1878.5	1545.4	1330.4	900.4	577.8
115°	3123.4	3305.4	3123.4	2941.4	2895.9	2414.5	1772.7	1451.8	1270.7	908.6	637.1
117.5°	2943.0	3144.9	2943.0	2741.2	2690.7	2256.2	1677.1	1387.5	1233.5	925.6	694.6
120°	2797.7	2993.8	2797.7	2601.5	2552.5	2155.6	1626.3	1361.7	1220.9	939.3	728.1
122.5°	2656.1	2849.5	2656.1	2462.6	2414.3	2056.8	1580.3	1341.9	1214.3	959.0	767.6
125°	2454.1	2632.3	2454.1	2275.9	2231.4	1927.7	1522.9	1320.5	1208.9	985.6	818.2
127.5°	2272.5	2422.9	2272.5	2122.2	2084.5	1823.8	1476.2	1302.4	1205.7	1012.2	867.1
130°	2165.5	2304.3	2165.5	2026.5	1991.9	1759.8	1450.3	1295.6	1207.7	1031.8	899.8
132.5°	2068.3	2192.7	2068.3	1944.0	1912.8	1705.1	1428.0	1289.5	1208.9	1047.5	926.4
135°	1935.3	2042.5	1935.3	1828.0	1801.3	1627.3	1395.3	1279.3	1207.7	1064.6	957.3
137.5°	1828.6	1916.3	1828.6	1740.8	1718.8	1571.7	1375.6	1277.5	1215.1	1090.4	996.8
140°	1755.3	1837.3	1755.3	1673.2	1652.8	1525.7	1356.3	1271.6	1216.4	1106.1	1023.4
142.5°	1694.6	1765.2	1694.6	1624.0	1606.3	1494.7	1346.0	1271.6	1220.8	1119.3	1043.1
145°	1603.6	1657.0	1603.6	1550.2	1536.9	1445.6	1323.8	1262.9	1220.8	1136.5	1073.2
147.5°	1533.7	1578.1	1533.7	1489.5	1478.4	1406.6	1310.8	1262.9	1229.2	1161.6	1111.0
150°	1489.8	1525.7	1489.8	1453.9	1444.9	1384.3	1303.4	1262.9	1233.6	1174.7	1130.7
152.5°	1452.2	1479.3	1452.2	1425.1	1418.3	1366.5	1297.4	1262.9	1236.4	1183.4	1143.6
155°	1408.9	1426.9	1408.9	1391.0	1386.5	1345.3	1290.4	1262.9	1242.7	1202.3	1171.9
157.5°	1374.9	1387.5	1374.9	1362.2	1359.1	1327.1	1284.3	1262.9	1249.0	1221.2	1200.3
160°	1354.4	1361.7	1354.4	1347.2	1345.3	1317.9	1281.3	1262.9	1251.8	1229.7	1213.1
162.5°	1341.0	1347.9	1341.0	1334.2	1332.5	1309.3	1278.3	1262.9	1254.9	1238.9	1226.9
165°	1321.8	1329.0	1321.8	1314.6	1312.8	1296.2	1274.0	1262.9	1259.3	1252.0	1246.6
167.5°	1308.0	1311.0	1308.0	1304.9	1304.1	1293.3	1278.8	1271.6	1268.5	1262.4	1257.8
170°	1304.1	1304.1	1304.1	1304.1	1304.1	1293.3	1278.8	1271.6	1271.4	1270.9	1270.6
172.5°	1293.9	1291.3	1293.9	1296.6	1297.3	1288.7	1277.2	1271.6	1271.6	1271.6	1271.6
175°	1287.8	1287.8	1287.8	1287.8	1287.8	1282.4	1275.1	1271.6	1273.3	1276.7	1279.3
177.5°	1282.3	1279.3	1282.3	1285.4	1286.1	1281.8	1276.1	1273.2	1274.6	1277.2	1279.3
180°	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3



TEST NUMBER: P935864

CATALOG NUMBER: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8
2.5°	989.6	984.1	984.1	974.9	971.2	968.4	963.8	950.0	946.2	942.6	948.1
5°	998.0	987.8	980.4	963.8	950.0	944.4	926.9	893.7	871.4	854.8	845.7
7.5°	999.8	986.9	973.0	947.2	913.9	899.2	845.7	784.7	768.1	753.3	744.1
10°	998.0	983.2	963.8	925.0	846.6	820.7	767.2	727.5	717.3	714.5	717.3
12.5°	991.5	977.6	950.9	886.2	776.4	758.8	727.5	704.4	702.5	707.2	732.0
15°	980.4	967.5	936.1	834.6	737.6	724.7	702.5	694.2	704.4	736.7	811.5
17.5°	969.4	954.6	915.8	783.8	708.1	698.8	683.1	699.7	757.0	800.4	825.3
20°	954.6	937.1	892.7	746.8	686.8	678.5	671.1	745.9	789.3	805.0	818.9
22.5°	937.1	918.5	861.3	721.0	664.7	658.3	662.9	771.8	789.3	800.4	812.4
25°	913.9	898.2	824.4	700.7	647.2	639.7	657.3	769.0	779.1	782.0	805.9
27.5°	892.7	872.4	785.6	682.2	626.0	623.1	661.9	757.0	764.4	767.2	793.0
30°	866.9	836.4	742.2	662.9	603.8	602.8	662.9	742.2	740.4	747.7	773.6
32.5°	840.1	782.9	693.3	638.8	582.6	581.6	656.4	720.1	718.3	728.4	747.7
35°	815.2	741.3	626.9	611.2	555.8	556.7	640.6	694.2	695.2	704.4	716.4
37.5°	789.3	705.3	553.9	580.7	529.9	529.9	619.4	670.2	668.4	671.1	687.8
40°	758.8	649.0	489.3	541.0	505.9	503.2	593.6	644.4	637.9	637.0	660.1
42.5°	726.5	587.1	441.3	488.4	478.2	474.5	562.2	613.0	601.0	603.8	633.3
45°	691.5	570.5	404.3	412.7	449.6	446.8	528.0	577.0	568.7	576.0	606.5
47.5°	656.4	537.3	392.3	342.5	419.1	418.2	490.2	541.9	537.3	544.7	577.0
50°	608.3	500.3	391.4	293.6	385.0	388.6	445.0	507.8	507.8	514.2	548.4
52.5°	546.5	455.1	355.4	265.9	345.2	356.3	405.3	478.2	480.0	486.6	516.9
55°	490.2	408.0	329.5	244.7	298.2	322.2	366.5	447.7	451.4	457.9	485.6
57.5°	438.5	339.7	324.0	219.7	254.8	277.9	332.4	418.2	420.0	425.6	452.3
60°	383.1	245.6	297.2	192.9	216.9	234.5	300.9	383.1	389.6	393.2	416.4
62.5°	320.4	178.2	269.5	174.5	198.5	202.2	275.1	349.9	358.2	360.9	374.8
65°	228.0	149.6	229.0	158.8	179.1	180.1	247.4	315.7	323.1	327.7	337.9
67.5°	154.2	121.9	174.5	144.0	164.4	165.3	220.6	276.0	286.2	289.9	296.3
70°	107.1	81.2	129.2	128.3	147.7	149.6	192.0	240.1	249.2	252.0	255.8
72.5°	78.5	65.5	107.1	115.4	130.1	132.1	162.5	199.4	208.7	211.4	213.3
75°	60.0	69.2	86.8	100.7	110.8	111.7	133.0	162.5	168.9	170.8	171.7
77.5°	48.0	64.6	63.7	81.2	90.5	88.6	104.3	125.5	131.0	131.0	131.0
80°	36.0	50.7	48.0	58.2	66.4	64.6	74.8	89.6	91.4	93.2	92.3
82.5°	26.8	32.3	32.3	36.9	44.3	42.5	49.8	58.2	58.2	58.2	60.0
85°	16.6	18.4	14.8	19.4	25.0	24.0	27.7	31.4	32.3	32.3	30.5
87.5°	10.2	8.4	4.6	7.3	11.1	11.1	12.9	13.9	12.9	12.9	12.9
90°	22.3	15.5	8.6	15.5	22.3	24.0	37.8	56.1	65.2	58.0	43.5
92.5°	151.1	92.7	34.3	92.7	151.1	165.7	233.0	322.7	367.4	322.0	231.3
95°	296.1	189.2	82.4	189.2	296.1	322.8	573.3	907.1	1074.1	958.4	727.2
97.5°	331.0	236.8	142.5	236.8	331.0	354.6	772.1	1328.9	1607.3	1534.2	1388.0
100°	359.8	274.4	188.9	274.4	359.8	381.2	844.6	1462.3	1771.2	1776.6	1787.3
102.5°	387.9	308.2	228.4	308.2	387.9	407.8	877.8	1504.3	1817.6	1910.6	2096.8
105°	430.4	362.9	295.3	362.9	430.4	447.3	902.4	1509.1	1812.4	2021.1	2438.6
107.5°	490.0	427.0	364.0	427.0	490.0	505.6	906.9	1441.9	1709.4	2000.6	2582.9
110°	524.1	467.3	410.4	467.3	524.1	538.3	900.1	1382.3	1623.5	1949.0	2600.0



TEST NUMBER: P935864

CATALOG NUMBER: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	564.2	510.1	455.9	510.1	564.2	577.8	900.4	1330.4	1545.4	1878.5	2544.8
115°	624.6	574.6	524.6	574.6	624.6	637.1	908.6	1270.7	1451.8	1772.7	2414.5
117.5°	683.2	637.8	592.4	637.8	683.2	694.6	925.6	1233.5	1387.5	1677.1	2256.2
120°	717.5	674.7	631.9	674.7	717.5	728.1	939.3	1220.9	1361.7	1626.3	2155.6
122.5°	756.8	713.7	670.6	713.7	756.8	767.6	959.0	1214.3	1341.9	1580.3	2056.8
125°	808.4	769.0	729.8	769.0	808.4	818.2	985.6	1208.9	1320.5	1522.9	1927.7
127.5°	857.2	817.5	777.8	817.5	857.2	867.1	1012.2	1205.7	1302.4	1476.2	1823.8
130°	889.2	846.4	803.6	846.4	889.2	899.8	1031.8	1207.7	1295.6	1450.3	1759.8
132.5°	915.8	873.0	830.2	873.0	915.8	926.4	1047.5	1208.9	1289.5	1428.0	1705.1
135°	947.6	908.6	869.7	908.6	947.6	957.3	1064.6	1207.7	1279.3	1395.3	1627.3
137.5°	987.2	948.6	910.1	948.6	987.2	996.8	1090.4	1215.1	1277.5	1375.6	1571.7
140°	1014.5	979.1	943.6	979.1	1014.5	1023.4	1106.1	1216.4	1271.6	1356.3	1525.7
142.5°	1035.0	1002.1	969.3	1002.1	1035.0	1043.1	1119.3	1220.8	1271.6	1346.0	1494.7
145°	1066.1	1037.5	1008.8	1037.5	1066.1	1073.2	1136.5	1220.8	1262.9	1323.8	1445.6
147.5°	1104.0	1076.2	1048.3	1076.2	1104.0	1111.0	1161.6	1229.2	1262.9	1310.8	1406.6
150°	1124.4	1099.2	1074.1	1099.2	1124.4	1130.7	1174.7	1233.6	1262.9	1303.4	1384.3
152.5°	1138.9	1119.8	1100.7	1119.8	1138.9	1143.6	1183.4	1236.4	1262.9	1297.4	1366.5
155°	1168.4	1154.3	1140.1	1154.3	1168.4	1171.9	1202.3	1242.7	1262.9	1290.4	1345.3
157.5°	1196.9	1183.1	1169.3	1183.1	1196.9	1200.3	1221.2	1249.0	1262.9	1284.3	1327.1
160°	1210.4	1199.8	1189.1	1199.8	1210.4	1213.1	1229.7	1251.8	1262.9	1281.3	1317.9
162.5°	1224.8	1216.9	1208.9	1216.9	1224.8	1226.9	1238.9	1254.9	1262.9	1278.3	1309.3
165°	1244.8	1237.6	1230.4	1237.6	1244.8	1246.6	1252.0	1259.3	1262.9	1274.0	1296.2
167.5°	1257.0	1253.5	1250.1	1253.5	1257.0	1257.8	1262.4	1268.5	1271.6	1278.8	1293.3
170°	1269.8	1266.3	1262.9	1266.3	1269.8	1270.6	1270.9	1271.4	1271.6	1278.8	1293.3
172.5°	1271.4	1270.5	1269.8	1270.5	1271.4	1271.6	1271.6	1271.6	1271.6	1277.2	1288.7
175°	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1276.7	1273.3	1271.6	1275.1	1282.4
177.5°	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1277.2	1274.6	1273.2	1276.1	1281.8
180°	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3



TEST NUMBER: P935864

CATALOG NUMBER: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8
2.5°	941.6	938.9	942.6	932.4	942.6	938.9	941.6	948.1	942.6	946.2	950.0
5°	826.3	821.6	806.8	794.8	806.8	821.6	826.3	845.7	854.8	871.4	893.7
7.5°	738.6	734.9	731.1	723.8	731.1	734.9	738.6	744.1	753.3	768.1	784.7
10°	719.2	720.1	725.6	724.7	725.6	720.1	719.2	717.3	714.5	717.3	727.5
12.5°	769.0	777.3	807.8	805.9	807.8	777.3	769.0	732.0	707.2	702.5	704.4
15°	826.3	829.0	835.5	836.4	835.5	829.0	826.3	811.5	736.7	704.4	694.2
17.5°	831.8	832.7	837.3	837.3	837.3	832.7	831.8	825.3	800.4	757.0	699.7
20°	827.2	829.0	838.2	840.1	838.2	829.0	827.2	818.9	805.0	789.3	745.9
22.5°	825.3	829.0	836.4	835.5	836.4	829.0	825.3	812.4	800.4	789.3	771.8
25°	816.1	816.1	817.0	817.9	817.0	816.1	816.1	805.9	782.0	779.1	769.0
27.5°	796.7	798.6	804.1	803.2	804.1	798.6	796.7	793.0	767.2	764.4	757.0
30°	779.1	777.3	772.7	769.0	772.7	777.3	779.1	773.6	747.7	740.4	742.2
32.5°	749.7	745.0	740.4	737.6	740.4	745.0	749.7	747.7	728.4	718.3	720.1
35°	714.5	715.4	714.5	711.8	714.5	715.4	714.5	716.4	704.4	695.2	694.2
37.5°	689.6	691.5	690.6	686.8	690.6	691.5	689.6	687.8	671.1	668.4	670.2
40°	663.8	664.7	663.8	661.0	663.8	664.7	663.8	660.1	637.0	637.9	644.4
42.5°	638.8	637.9	635.1	633.3	635.1	637.9	638.8	633.3	603.8	601.0	613.0
45°	610.3	611.2	605.6	602.8	605.6	611.2	610.3	606.5	576.0	568.7	577.0
47.5°	581.6	581.6	577.0	574.2	577.0	581.6	581.6	577.0	544.7	537.3	541.9
50°	551.2	550.2	543.7	542.8	543.7	550.2	551.2	548.4	514.2	507.8	507.8
52.5°	516.0	516.0	516.9	518.9	516.9	516.0	516.0	516.9	486.6	480.0	478.2
55°	485.6	486.6	493.0	494.8	493.0	486.6	485.6	485.6	457.9	451.4	447.7
57.5°	454.2	454.2	458.8	458.8	458.8	454.2	454.2	452.3	425.6	420.0	418.2
60°	418.2	420.0	423.7	422.8	423.7	420.0	418.2	416.4	393.2	389.6	383.1
62.5°	380.4	382.2	383.1	381.3	383.1	382.2	380.4	374.8	360.9	358.2	349.9
65°	340.6	342.5	343.4	341.6	343.4	342.5	340.6	337.9	327.7	323.1	315.7
67.5°	300.0	299.1	298.2	301.9	298.2	299.1	300.0	296.3	289.9	286.2	276.0
70°	258.5	258.5	257.6	259.4	257.6	258.5	258.5	255.8	252.0	249.2	240.1
72.5°	214.2	213.3	216.9	214.2	216.9	213.3	214.2	213.3	211.4	208.7	199.4
75°	170.8	172.6	170.8	173.5	170.8	172.6	170.8	171.7	170.8	168.9	162.5
77.5°	130.1	132.1	130.1	130.1	130.1	132.1	130.1	131.0	131.0	131.0	125.5
80°	92.3	91.4	91.4	90.5	91.4	91.4	92.3	92.3	93.2	91.4	89.6
82.5°	59.1	58.2	58.2	60.0	58.2	58.2	59.1	60.0	58.2	58.2	58.2
85°	32.3	33.2	31.4	31.4	31.4	33.2	32.3	30.5	32.3	32.3	31.4
87.5°	12.0	11.1	11.1	11.1	11.1	11.1	12.0	12.9	12.9	12.9	13.9
90°	32.7	32.7	32.7	32.7	32.7	32.7	32.7	43.5	58.0	65.2	56.1
92.5°	163.2	156.7	130.7	104.7	130.7	156.7	163.2	231.3	322.0	367.4	322.7
95°	553.7	534.1	455.5	376.9	455.5	534.1	553.7	727.2	958.4	1074.1	907.1
97.5°	1278.4	1241.0	1091.4	941.8	1091.4	1241.0	1278.4	1388.0	1534.2	1607.3	1328.9
100°	1795.3	1750.8	1572.6	1394.3	1572.6	1750.8	1795.3	1787.3	1776.6	1771.2	1462.3
102.5°	2236.5	2198.3	2045.7	1893.1	2045.7	2198.3	2236.5	2096.8	1910.6	1817.6	1504.3
105°	2751.7	2731.2	2649.1	2567.1	2649.1	2731.2	2751.7	2438.6	2021.1	1812.4	1509.1
107.5°	3019.6	3024.5	3044.4	3064.2	3044.4	3024.5	3019.6	2582.9	2000.6	1709.4	1441.9
110°	3088.2	3109.6	3195.0	3280.6	3195.0	3109.6	3088.2	2600.0	1949.0	1623.5	1382.3



TEST NUMBER: P935864

CATALOG NUMBER: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3044.5	3077.3	3208.5	3339.8	3208.5	3077.3	3044.5	2544.8	1878.5	1545.4	1330.4
115°	2895.9	2941.4	3123.4	3305.4	3123.4	2941.4	2895.9	2414.5	1772.7	1451.8	1270.7
117.5°	2690.7	2741.2	2943.0	3144.9	2943.0	2741.2	2690.7	2256.2	1677.1	1387.5	1233.5
120°	2552.5	2601.5	2797.7	2993.8	2797.7	2601.5	2552.5	2155.6	1626.3	1361.7	1220.9
122.5°	2414.3	2462.6	2656.1	2849.5	2656.1	2462.6	2414.3	2056.8	1580.3	1341.9	1214.3
125°	2231.4	2275.9	2454.1	2632.3	2454.1	2275.9	2231.4	1927.7	1522.9	1320.5	1208.9
127.5°	2084.5	2122.2	2272.5	2422.9	2272.5	2122.2	2084.5	1823.8	1476.2	1302.4	1205.7
130°	1991.9	2026.5	2165.5	2304.3	2165.5	2026.5	1991.9	1759.8	1450.3	1295.6	1207.7
132.5°	1912.8	1944.0	2068.3	2192.7	2068.3	1944.0	1912.8	1705.1	1428.0	1289.5	1208.9
135°	1801.3	1828.0	1935.3	2042.5	1935.3	1828.0	1801.3	1627.3	1395.3	1279.3	1207.7
137.5°	1718.8	1740.8	1828.6	1916.3	1828.6	1740.8	1718.8	1571.7	1375.6	1277.5	1215.1
140°	1652.8	1673.2	1755.3	1837.3	1755.3	1673.2	1652.8	1525.7	1356.3	1271.6	1216.4
142.5°	1606.3	1624.0	1694.6	1765.2	1694.6	1624.0	1606.3	1494.7	1346.0	1271.6	1220.8
145°	1536.9	1550.2	1603.6	1657.0	1603.6	1550.2	1536.9	1445.6	1323.8	1262.9	1220.8
147.5°	1478.4	1489.5	1533.7	1578.1	1533.7	1489.5	1478.4	1406.6	1310.8	1262.9	1229.2
150°	1444.9	1453.9	1489.8	1525.7	1489.8	1453.9	1444.9	1384.3	1303.4	1262.9	1233.6
152.5°	1418.3	1425.1	1452.2	1479.3	1452.2	1425.1	1418.3	1366.5	1297.4	1262.9	1236.4
155°	1386.5	1391.0	1408.9	1426.9	1408.9	1391.0	1386.5	1345.3	1290.4	1262.9	1242.7
157.5°	1359.1	1362.2	1374.9	1387.5	1374.9	1362.2	1359.1	1327.1	1284.3	1262.9	1249.0
160°	1345.3	1347.2	1354.4	1361.7	1354.4	1347.2	1345.3	1317.9	1281.3	1262.9	1251.8
162.5°	1332.5	1334.2	1341.0	1347.9	1341.0	1334.2	1332.5	1309.3	1278.3	1262.9	1254.9
165°	1312.8	1314.6	1321.8	1329.0	1321.8	1314.6	1312.8	1296.2	1274.0	1262.9	1259.3
167.5°	1304.1	1304.9	1308.0	1311.0	1308.0	1304.9	1304.1	1293.3	1278.8	1271.6	1268.5
170°	1304.1	1304.1	1304.1	1304.1	1304.1	1304.1	1304.1	1293.3	1278.8	1271.6	1271.4
172.5°	1297.3	1296.6	1293.9	1291.3	1293.9	1296.6	1297.3	1288.7	1277.2	1271.6	1271.6
175°	1287.8	1287.8	1287.8	1287.8	1287.8	1287.8	1287.8	1282.4	1275.1	1271.6	1273.3
177.5°	1286.1	1285.4	1282.3	1279.3	1282.3	1285.4	1286.1	1281.8	1276.1	1273.2	1274.6
180°	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3



TEST NUMBER: P935864

CATALOG NUMBER: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	975.8	975.8	975.8	975.8	975.8
2.5°	963.8	968.4	971.2	974.9	984.1
5°	926.9	944.4	950.0	963.8	980.4
7.5°	845.7	899.2	913.9	947.2	973.0
10°	767.2	820.7	846.6	925.0	963.8
12.5°	727.5	758.8	776.4	886.2	950.9
15°	702.5	724.7	737.6	834.6	936.1
17.5°	683.1	698.8	708.1	783.8	915.8
20°	671.1	678.5	686.8	746.8	892.7
22.5°	662.9	658.3	664.7	721.0	861.3
25°	657.3	639.7	647.2	700.7	824.4
27.5°	661.9	623.1	626.0	682.2	785.6
30°	662.9	602.8	603.8	662.9	742.2
32.5°	656.4	581.6	582.6	638.8	693.3
35°	640.6	556.7	555.8	611.2	626.9
37.5°	619.4	529.9	529.9	580.7	553.9
40°	593.6	503.2	505.9	541.0	489.3
42.5°	562.2	474.5	478.2	488.4	441.3
45°	528.0	446.8	449.6	412.7	404.3
47.5°	490.2	418.2	419.1	342.5	392.3
50°	445.0	388.6	385.0	293.6	391.4
52.5°	405.3	356.3	345.2	265.9	355.4
55°	366.5	322.2	298.2	244.7	329.5
57.5°	332.4	277.9	254.8	219.7	324.0
60°	300.9	234.5	216.9	192.9	297.2
62.5°	275.1	202.2	198.5	174.5	269.5
65°	247.4	180.1	179.1	158.8	229.0
67.5°	220.6	165.3	164.4	144.0	174.5
70°	192.0	149.6	147.7	128.3	129.2
72.5°	162.5	132.1	130.1	115.4	107.1
75°	133.0	111.7	110.8	100.7	86.8
77.5°	104.3	88.6	90.5	81.2	63.7
80°	74.8	64.6	66.4	58.2	48.0
82.5°	49.8	42.5	44.3	36.9	32.3
85°	27.7	24.0	25.0	19.4	14.8
87.5°	12.9	11.1	11.1	7.3	4.6
90°	37.8	24.0	22.3	15.5	8.6
92.5°	233.0	165.7	151.1	92.7	34.3
95°	573.3	322.8	296.1	189.2	82.4
97.5°	772.1	354.6	331.0	236.8	142.5
100°	844.6	381.2	359.8	274.4	188.9
102.5°	877.8	407.8	387.9	308.2	228.4
105°	902.4	447.3	430.4	362.9	295.3
107.5°	906.9	505.6	490.0	427.0	364.0
110°	900.1	538.3	524.1	467.3	410.4



TEST NUMBER: P935864

CATALOG NUMBER: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	900.4	577.8	564.2	510.1	455.9
115°	908.6	637.1	624.6	574.6	524.6
117.5°	925.6	694.6	683.2	637.8	592.4
120°	939.3	728.1	717.5	674.7	631.9
122.5°	959.0	767.6	756.8	713.7	670.6
125°	985.6	818.2	808.4	769.0	729.8
127.5°	1012.2	867.1	857.2	817.5	777.8
130°	1031.8	899.8	889.2	846.4	803.6
132.5°	1047.5	926.4	915.8	873.0	830.2
135°	1064.6	957.3	947.6	908.6	869.7
137.5°	1090.4	996.8	987.2	948.6	910.1
140°	1106.1	1023.4	1014.5	979.1	943.6
142.5°	1119.3	1043.1	1035.0	1002.1	969.3
145°	1136.5	1073.2	1066.1	1037.5	1008.8
147.5°	1161.6	1111.0	1104.0	1076.2	1048.3
150°	1174.7	1130.7	1124.4	1099.2	1074.1
152.5°	1183.4	1143.6	1138.9	1119.8	1100.7
155°	1202.3	1171.9	1168.4	1154.3	1140.1
157.5°	1221.2	1200.3	1196.9	1183.1	1169.3
160°	1229.7	1213.1	1210.4	1199.8	1189.1
162.5°	1238.9	1226.9	1224.8	1216.9	1208.9
165°	1252.0	1246.6	1244.8	1237.6	1230.4
167.5°	1262.4	1257.8	1257.0	1253.5	1250.1
170°	1270.9	1270.6	1269.8	1266.3	1262.9
172.5°	1271.6	1271.6	1271.4	1270.5	1269.8
175°	1276.7	1279.3	1279.3	1279.3	1279.3
177.5°	1277.2	1279.3	1279.3	1279.3	1279.3
180°	1279.3	1279.3	1279.3	1279.3	1279.3



TEST NUMBER: P935864
 CATALOG NUMBER: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-6-5000K

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	7.84	8.50	9.00	9.65	11.25	10.66	11.33	11.82	12.47	14.08
	3H	8.30	8.89	9.46	10.05	11.67	11.99	12.59	13.16	13.74	15.36
	4H	8.48	9.05	9.65	10.20	11.82	12.43	12.99	13.60	14.14	15.77
	6H	8.59	9.11	9.77	10.26	11.90	12.70	13.22	13.88	14.37	16.01
	8H	8.59	9.08	9.77	10.25	11.88	12.77	13.26	13.95	14.43	16.06
	12H	8.55	9.02	9.74	10.18	11.83	12.80	13.27	13.98	14.43	16.08
4H	2H	8.85	9.41	10.03	10.56	12.19	11.05	11.61	12.23	12.76	14.39
	3H	9.85	10.32	11.04	11.50	13.14	12.53	13.00	13.72	14.18	15.82
	4H	10.12	10.56	11.31	11.72	13.38	13.05	13.49	14.24	14.65	16.31
	6H	10.24	10.61	11.43	11.79	13.44	13.40	13.78	14.60	14.96	16.61
	8H	10.24	10.58	11.43	11.76	13.42	13.51	13.85	14.69	15.03	16.69
	12H	10.19	10.51	11.40	11.70	13.36	13.55	13.87	14.76	15.06	16.72
8H	4H	10.56	10.90	11.75	12.08	13.75	13.16	13.51	14.35	14.69	16.35
	6H	10.81	11.10	12.02	12.32	13.98	13.59	13.87	14.80	15.09	16.75
	8H	10.85	11.10	12.07	12.30	13.98	13.74	13.98	14.95	15.18	16.86
	12H	10.83	11.05	12.04	12.24	13.95	13.82	14.04	15.04	15.24	16.95
12H	4H	10.55	10.87	11.76	12.06	13.73	13.12	13.43	14.32	14.62	16.29
	6H	10.87	11.12	12.08	12.32	14.00	13.58	13.83	14.80	15.03	16.71
	8H	10.93	11.15	12.14	12.34	14.05	13.73	13.95	14.95	15.15	16.86