

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: P935786

Luminaire Tested: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-4-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935786
REPORT IS A COMBINATION OF REPORTS P933766 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-4-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

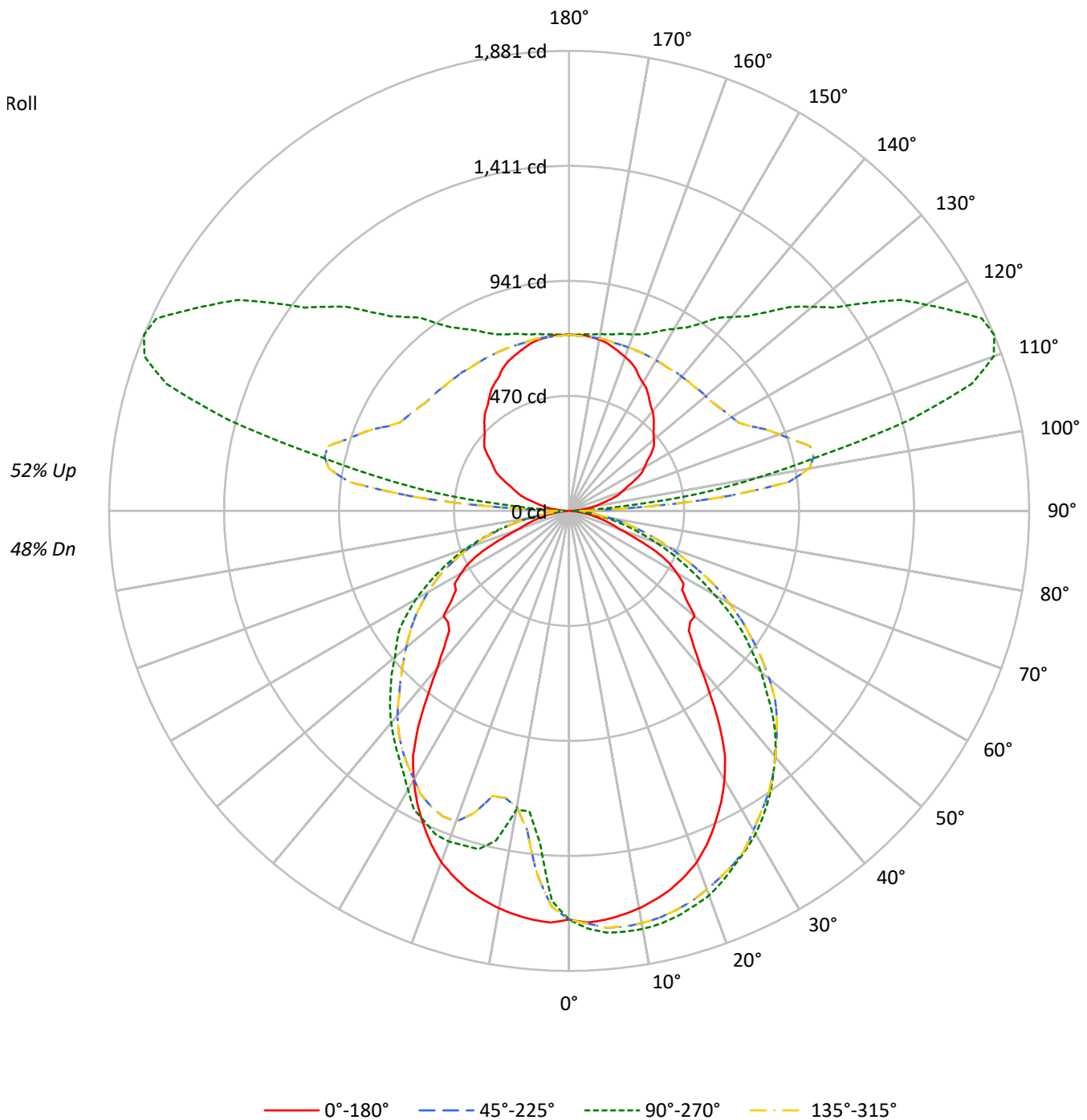
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9005.6 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





TEST NUMBER: P935786

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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	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48
1	97	93	89	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	41	39	34
3	81	71	64	58	74	66	60	55	56	51	47	46	43	40	38	35	33	29
4	74	63	55	49	68	59	52	46	50	44	40	41	37	34	34	31	28	25
5	68	56	48	42	62	52	45	40	44	39	35	37	33	30	30	27	25	21
6	63	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19
7	58	45	38	32	53	42	35	30	36	31	26	30	26	23	25	22	19	17
8	54	41	34	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	16	13
10	47	34	27	22	43	32	26	21	28	22	19	24	19	16	20	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15503	15503	15503	15503
5°	15602	15650	15602	12305
10°	15481	15416	15481	11021
15°	15294	15082	15294	12593
20°	14957	14686	14957	12620
25°	14285	14109	14285	12352
30°	13423	13630	13423	11766
35°	11949	13024	11949	11120
40°	9939	12310	9939	10632
45°	8863	11475	8863	10072
50°	9394	10479	9394	9509
55°	8814	9407	8814	9183
60°	9052	7989	9052	8411
65°	8169	6604	8169	7383
70°	5618	5263	5618	6187
75°	4873	3891	4873	4659
80°	3847	2571	3847	2801
85°	2095	1362	2095	1157

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13610 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.8	1.7
10°-20°	428.2	4.8
20°-30°	661.9	7.3
30°-40°	790.2	8.8
40°-50°	794.8	8.8
50°-60°	691.6	7.7
60°-70°	490.3	5.4
70°-80°	259.4	2.9
80°-90°	67.4	0.7
90°-100°	351.2	3.9
100°-110°	923.4	10.3
110°-120°	957.5	10.6
120°-130°	768.0	8.5
130°-140°	602.6	6.7
140°-150°	462.5	5.1
150°-160°	333.1	3.7
160°-170°	203.8	2.3
170°-180°	68.9	0.8
0°-30°	1240.9	13.8
0°-40°	2031.1	22.6
0°-60°	3517.5	39.1
0°-90°	4334.6	48.1
90°-120°	2232.1	24.8
90°-150°	4065.2	45.1
90°-180°	4671.0	51.9
0°-180°	9005.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1671	1671	1671	1671	1671	
5°	1679	1731	1679	1361	1679	159
15°	1603	1715	1603	1432	1603	451
25°	1412	1600	1412	1400	1412	648
35°	1073	1427	1073	1219	1073	664
45°	692	1176	692	1032	692	555
55°	564	868	564	847	564	519
65°	392	523	392	585	392	375
75°	149	248	149	297	149	156
85°	25	63	25	54	25	34
90°	5	18	5	18	5	5
95°	46	212	46	212	46	52
105°	166	1446	166	1446	166	176
115°	295	1862	295	1862	295	292
125°	411	1483	411	1483	411	365
135°	490	1150	490	1150	490	379
145°	568	933	568	933	568	356
155°	642	804	642	804	642	295
165°	693	749	693	749	693	196
175°	721	725	721	725	721	68
180°	721	721	721	721	721	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7
2.5°	1684.9	1684.9	1694.5	1697.6	1697.6	1692.9	1688.1	1692.9	1707.1	1711.8	1710.2
5°	1678.6	1691.3	1708.7	1711.8	1715.0	1713.4	1710.2	1713.4	1729.2	1732.4	1734.0
7.5°	1666.0	1689.7	1711.8	1716.6	1721.3	1716.6	1715.0	1718.2	1734.0	1737.1	1737.1
10°	1650.2	1683.3	1708.7	1711.8	1716.6	1711.8	1711.8	1718.2	1734.0	1737.1	1738.7
12.5°	1628.1	1673.9	1697.6	1700.7	1707.1	1705.5	1703.9	1710.2	1726.0	1729.2	1729.2
15°	1602.7	1656.5	1678.6	1681.8	1692.9	1689.7	1689.7	1696.1	1713.4	1718.2	1716.6
17.5°	1568.0	1634.4	1659.6	1664.4	1672.3	1670.7	1672.3	1678.6	1694.5	1697.6	1699.1
20°	1528.5	1604.3	1634.4	1639.1	1647.0	1647.0	1647.0	1655.0	1670.7	1677.1	1677.1
22.5°	1474.7	1572.8	1604.3	1607.5	1616.9	1616.9	1620.1	1631.2	1645.4	1647.0	1647.0
25°	1411.5	1537.9	1564.8	1574.4	1583.8	1588.5	1593.3	1599.6	1604.3	1602.7	1604.3
27.5°	1345.1	1493.7	1528.5	1534.7	1547.5	1552.2	1558.5	1560.1	1561.6	1566.4	1563.2
30°	1270.8	1432.0	1484.2	1490.6	1511.1	1514.2	1507.9	1511.1	1519.0	1522.1	1525.3
32.5°	1187.0	1340.4	1438.4	1452.6	1471.6	1462.1	1460.5	1465.3	1477.9	1477.9	1481.0
35°	1073.3	1269.2	1395.7	1408.4	1422.6	1411.5	1417.8	1419.4	1427.3	1432.0	1430.5
37.5°	948.4	1207.6	1351.4	1360.9	1372.0	1357.8	1367.3	1372.0	1378.3	1375.1	1375.1
40°	837.7	1111.2	1299.3	1305.6	1315.1	1304.1	1313.5	1316.7	1319.8	1316.7	1315.1
42.5°	755.5	1005.3	1244.0	1251.8	1245.5	1253.4	1256.6	1263.0	1258.2	1251.8	1251.8
45°	692.3	976.9	1183.8	1193.4	1183.8	1196.5	1201.3	1201.3	1187.0	1183.8	1182.4
47.5°	671.7	919.9	1123.8	1123.8	1119.1	1134.9	1142.7	1131.7	1117.5	1112.8	1112.8
50°	670.1	856.7	1041.6	1035.3	1057.5	1076.4	1068.5	1057.5	1046.4	1029.0	1029.0
52.5°	608.5	779.2	935.8	959.4	994.2	1005.3	992.7	981.5	962.6	954.7	948.4
55°	564.3	698.6	839.3	886.7	923.1	937.3	913.6	902.5	874.1	869.4	866.2
57.5°	554.8	581.7	750.8	810.9	855.1	853.6	839.3	818.7	795.0	790.4	788.8
60°	508.9	420.5	655.9	727.1	772.9	768.2	755.5	736.6	714.4	711.2	708.2
62.5°	461.6	305.0	548.4	629.0	693.9	692.3	681.3	652.8	637.0	629.0	622.8
65°	392.0	256.1	390.4	523.2	616.4	619.6	595.9	575.3	558.0	548.4	546.9
67.5°	298.7	208.7	263.9	436.3	542.2	539.0	508.9	499.5	477.4	472.6	463.2
70°	221.3	139.1	183.3	354.1	469.4	461.6	437.9	426.7	406.2	395.2	388.8
72.5°	183.3	112.3	134.3	275.1	395.2	385.6	365.1	352.5	335.1	325.6	319.2
75°	148.6	118.5	102.7	203.9	320.8	314.6	295.6	282.9	268.7	256.1	257.6
77.5°	109.1	110.7	82.2	150.2	254.5	245.0	234.0	218.1	211.8	199.1	199.1
80°	82.2	87.0	61.6	102.7	183.3	183.3	173.9	162.8	151.8	145.4	145.4
82.5°	55.3	55.3	45.9	64.8	124.9	120.1	113.8	110.7	104.3	101.2	101.2
85°	25.3	31.6	28.5	39.5	68.0	71.2	71.2	68.0	66.4	63.2	64.8
87.5°	7.9	14.2	17.4	22.1	34.7	36.3	37.9	37.9	37.9	39.5	39.5
90°	4.9	8.7	12.6	13.5	21.3	31.6	36.7	32.6	24.5	18.4	18.4
92.5°	19.3	52.2	85.1	93.3	131.2	181.8	207.0	181.4	130.3	91.9	88.3
95°	46.4	106.6	166.8	181.8	322.9	510.9	605.0	539.9	409.7	312.0	300.8
97.5°	80.2	133.3	186.4	199.7	434.9	748.4	905.2	864.0	781.8	720.0	699.0
100°	106.4	154.6	202.7	214.7	475.7	823.6	997.6	1000.6	1006.7	1011.1	986.0
102.5°	128.6	173.5	218.5	229.7	494.4	847.3	1023.8	1076.2	1181.1	1259.8	1238.3
105°	166.3	204.5	242.5	252.0	508.3	850.0	1020.9	1138.5	1373.5	1549.9	1538.3
107.5°	205.0	240.5	276.0	284.9	510.9	812.2	962.9	1126.9	1454.8	1700.7	1703.5
110°	231.2	263.2	295.1	303.2	507.0	778.7	914.5	1097.8	1464.5	1739.5	1751.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	256.8	287.3	317.7	325.4	507.1	749.3	870.5	1058.1	1433.4	1714.8	1733.3
115°	295.4	323.6	351.8	358.8	511.8	715.7	817.7	998.4	1360.0	1631.1	1656.7
117.5°	333.7	359.3	384.9	391.3	521.4	694.8	781.5	944.6	1270.8	1515.5	1543.9
120°	355.9	380.0	404.1	410.1	529.1	687.7	767.0	916.1	1214.1	1437.7	1465.4
122.5°	377.7	402.0	426.3	432.3	540.2	684.0	755.9	890.1	1158.5	1359.8	1387.1
125°	411.1	433.2	455.3	460.8	555.2	680.9	743.7	857.8	1085.8	1256.8	1281.9
127.5°	438.1	460.5	482.8	488.4	570.1	679.1	733.6	831.4	1027.3	1174.1	1195.3
130°	452.6	476.7	500.8	506.8	581.1	680.2	729.7	816.9	991.2	1121.9	1141.4
132.5°	467.7	491.8	515.8	521.8	590.0	680.9	726.4	804.4	960.4	1077.5	1094.9
135°	489.9	511.8	533.7	539.2	599.6	680.2	720.6	786.0	916.6	1014.6	1029.7
137.5°	512.6	534.2	556.0	561.4	614.1	684.4	719.6	774.8	885.2	968.1	980.4
140°	531.4	551.4	571.4	576.5	623.1	685.2	716.2	763.9	859.4	930.9	942.5
142.5°	545.9	564.4	582.9	587.6	630.4	687.6	716.2	758.1	841.9	904.8	914.7
145°	568.2	584.3	600.5	604.5	640.1	687.6	711.3	745.6	814.2	865.6	873.2
147.5°	590.5	606.2	621.9	625.8	654.3	692.3	711.3	738.3	792.3	832.8	839.0
150°	605.0	619.1	633.3	636.9	661.7	694.8	711.3	734.1	779.7	813.9	818.9
152.5°	620.0	630.7	641.5	644.2	666.6	696.4	711.3	730.8	769.7	798.9	802.7
155°	642.2	650.2	658.1	660.1	677.2	699.9	711.3	726.8	757.8	781.0	783.5
157.5°	658.7	666.4	674.1	676.0	687.8	703.5	711.3	723.4	747.5	765.5	767.3
160°	669.8	675.7	681.8	683.3	692.7	705.1	711.3	721.6	742.2	757.8	758.8
162.5°	680.9	685.4	689.9	691.1	697.8	706.9	711.3	720.0	737.5	750.6	751.5
165°	692.9	697.0	701.2	702.2	705.3	709.3	711.3	717.6	730.0	739.4	740.4
167.5°	704.1	706.0	708.0	708.4	711.1	714.5	716.2	720.3	728.4	734.6	735.1
170°	711.3	713.3	715.3	715.7	715.9	716.1	716.2	720.3	728.4	734.6	734.6
172.5°	715.3	715.6	716.1	716.2	716.2	716.2	716.2	719.4	725.8	730.7	730.3
175°	720.6	720.6	720.6	720.6	719.1	717.1	716.2	718.2	722.3	725.3	725.3
177.5°	720.6	720.6	720.6	720.6	719.5	717.9	717.1	718.7	722.0	724.4	723.9
180°	720.6	720.6	720.6	720.6	720.6	720.6	720.6	720.6	720.6	720.6	720.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7
2.5°	1713.4	1708.7	1713.4	1710.2	1711.8	1707.1	1692.9	1688.1	1692.9	1697.6	1697.6
5°	1734.0	1730.8	1734.0	1734.0	1732.4	1729.2	1713.4	1710.2	1713.4	1715.0	1711.8
7.5°	1740.2	1735.6	1740.2	1737.1	1737.1	1734.0	1718.2	1715.0	1716.6	1721.3	1716.6
10°	1740.2	1735.6	1740.2	1738.7	1737.1	1734.0	1718.2	1711.8	1711.8	1716.6	1711.8
12.5°	1732.4	1729.2	1732.4	1729.2	1729.2	1726.0	1710.2	1703.9	1705.5	1707.1	1700.7
15°	1719.7	1715.0	1719.7	1716.6	1718.2	1713.4	1696.1	1689.7	1689.7	1692.9	1681.8
17.5°	1700.7	1694.5	1700.7	1699.1	1697.6	1694.5	1678.6	1672.3	1670.7	1672.3	1664.4
20°	1678.6	1673.9	1678.6	1677.1	1677.1	1670.7	1655.0	1647.0	1647.0	1647.0	1639.1
22.5°	1643.8	1639.1	1643.8	1647.0	1647.0	1645.4	1631.2	1620.1	1616.9	1616.9	1607.5
25°	1604.3	1599.6	1604.3	1604.3	1602.7	1604.3	1599.6	1593.3	1588.5	1583.8	1574.4
27.5°	1566.4	1563.2	1566.4	1563.2	1566.4	1561.6	1560.1	1558.5	1552.2	1547.5	1534.7
30°	1528.5	1525.3	1528.5	1525.3	1522.1	1519.0	1511.1	1507.9	1514.2	1511.1	1490.6
32.5°	1481.0	1477.9	1481.0	1481.0	1477.9	1477.9	1465.3	1460.5	1462.1	1471.6	1452.6
35°	1432.0	1427.3	1432.0	1430.5	1432.0	1427.3	1419.4	1417.8	1411.5	1422.6	1408.4
37.5°	1375.1	1370.4	1375.1	1375.1	1375.1	1378.3	1372.0	1367.3	1357.8	1372.0	1360.9
40°	1316.7	1310.3	1316.7	1315.1	1316.7	1319.8	1316.7	1313.5	1304.1	1315.1	1305.6
42.5°	1250.3	1248.7	1250.3	1251.8	1251.8	1258.2	1263.0	1256.6	1253.4	1245.5	1251.8
45°	1179.2	1176.0	1179.2	1182.4	1183.8	1187.0	1201.3	1201.3	1196.5	1183.8	1193.4
47.5°	1103.2	1095.4	1103.2	1112.8	1112.8	1117.5	1131.7	1142.7	1134.9	1119.1	1123.8
50°	1022.6	1024.2	1022.6	1029.0	1029.0	1046.4	1057.5	1068.5	1076.4	1057.5	1035.3
52.5°	943.6	942.0	943.6	948.4	954.7	962.6	981.5	992.7	1005.3	994.2	959.4
55°	864.6	867.8	864.6	866.2	869.4	874.1	902.5	913.6	937.3	923.1	886.7
57.5°	785.6	780.8	785.6	788.8	790.4	795.0	818.7	839.3	853.6	855.1	810.9
60°	693.9	687.6	693.9	708.2	711.2	714.4	736.6	755.5	768.2	772.9	727.1
62.5°	613.3	602.2	613.3	622.8	629.0	637.0	652.8	681.3	692.3	693.9	629.0
65°	527.9	523.2	527.9	546.9	548.4	558.0	575.3	595.9	619.6	616.4	523.2
67.5°	450.5	450.5	450.5	463.2	472.6	477.4	499.5	508.9	539.0	542.2	436.3
70°	379.4	377.8	379.4	388.8	395.2	406.2	426.7	437.9	461.6	469.4	354.1
72.5°	311.4	309.8	311.4	319.2	325.6	335.1	352.5	365.1	385.6	395.2	275.1
75°	251.3	248.2	251.3	257.6	256.1	268.7	282.9	295.6	314.6	320.8	203.9
77.5°	192.9	192.9	192.9	199.1	199.1	211.8	218.1	234.0	245.0	254.5	150.2
80°	143.8	142.2	143.8	145.4	145.4	151.8	162.8	173.9	183.3	183.3	102.7
82.5°	101.2	98.0	101.2	101.2	101.2	104.3	110.7	113.8	120.1	124.9	64.8
85°	63.2	63.2	63.2	64.8	63.2	66.4	68.0	71.2	71.2	68.0	39.5
87.5°	41.1	39.5	41.1	39.5	39.5	37.9	37.9	37.9	36.3	34.7	22.1
90°	18.4	18.4	18.4	18.4	18.4	24.5	32.6	36.7	31.6	21.3	13.5
92.5°	73.6	59.0	73.6	88.3	91.9	130.3	181.4	207.0	181.8	131.2	93.3
95°	256.6	212.3	256.6	300.8	312.0	409.7	539.9	605.0	510.9	322.9	181.8
97.5°	614.8	530.5	614.8	699.0	720.0	781.8	864.0	905.2	748.4	434.9	199.7
100°	885.7	785.3	885.7	986.0	1011.1	1006.7	1000.6	997.6	823.6	475.7	214.7
102.5°	1152.3	1066.3	1152.3	1238.3	1259.8	1181.1	1076.2	1023.8	847.3	494.4	229.7
105°	1492.2	1445.9	1492.2	1538.3	1549.9	1373.5	1138.5	1020.9	850.0	508.3	252.0
107.5°	1714.7	1725.9	1714.7	1703.5	1700.7	1454.8	1126.9	962.9	812.2	510.9	284.9
110°	1799.6	1847.7	1799.6	1751.5	1739.5	1464.5	1097.8	914.5	778.7	507.0	303.2



TEST NUMBER: P935786

CATALOG NUMBER: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1807.2	1881.2	1807.2	1733.3	1714.8	1433.4	1058.1	870.5	749.3	507.1	325.4
115°	1759.3	1861.8	1759.3	1656.7	1631.1	1360.0	998.4	817.7	715.7	511.8	358.8
117.5°	1657.7	1771.3	1657.7	1543.9	1515.5	1270.8	944.6	781.5	694.8	521.4	391.3
120°	1575.8	1686.2	1575.8	1465.4	1437.7	1214.1	916.1	767.0	687.7	529.1	410.1
122.5°	1496.0	1605.0	1496.0	1387.1	1359.8	1158.5	890.1	755.9	684.0	540.2	432.3
125°	1382.2	1482.6	1382.2	1281.9	1256.8	1085.8	857.8	743.7	680.9	555.2	460.8
127.5°	1280.0	1364.7	1280.0	1195.3	1174.1	1027.3	831.4	733.6	679.1	570.1	488.4
130°	1219.7	1298.0	1219.7	1141.4	1121.9	991.2	816.9	729.7	680.2	581.1	506.8
132.5°	1165.0	1235.0	1165.0	1094.9	1077.5	960.4	804.4	726.4	680.9	590.0	521.8
135°	1090.1	1150.4	1090.1	1029.7	1014.6	916.6	786.0	720.6	680.2	599.6	539.2
137.5°	1029.9	1079.3	1029.9	980.4	968.1	885.2	774.8	719.6	684.4	614.1	561.4
140°	988.6	1034.9	988.6	942.5	930.9	859.4	763.9	716.2	685.2	623.1	576.5
142.5°	954.5	994.2	954.5	914.7	904.8	841.9	758.1	716.2	687.6	630.4	587.6
145°	903.3	933.3	903.3	873.2	865.6	814.2	745.6	711.3	687.6	640.1	604.5
147.5°	863.9	888.8	863.9	839.0	832.8	792.3	738.3	711.3	692.3	654.3	625.8
150°	839.2	859.4	839.2	818.9	813.9	779.7	734.1	711.3	694.8	661.7	636.9
152.5°	817.9	833.2	817.9	802.7	798.9	769.7	730.8	711.3	696.4	666.6	644.2
155°	793.6	803.7	793.6	783.5	781.0	757.8	726.8	711.3	699.9	677.2	660.1
157.5°	774.4	781.5	774.4	767.3	765.5	747.5	723.4	711.3	703.5	687.8	676.0
160°	762.9	767.0	762.9	758.8	757.8	742.2	721.6	711.3	705.1	692.7	683.3
162.5°	755.4	759.2	755.4	751.5	750.6	737.5	720.0	711.3	706.9	697.8	691.1
165°	744.5	748.6	744.5	740.4	739.4	730.0	717.6	711.3	709.3	705.3	702.2
167.5°	736.7	738.4	736.7	735.1	734.6	728.4	720.3	716.2	714.5	711.1	708.4
170°	734.6	734.6	734.6	734.6	734.6	728.4	720.3	716.2	716.1	715.9	715.7
172.5°	728.8	727.3	728.8	730.3	730.7	725.8	719.4	716.2	716.2	716.2	716.2
175°	725.3	725.3	725.3	725.3	725.3	722.3	718.2	716.2	717.1	719.1	720.6
177.5°	722.3	720.6	722.3	723.9	724.4	722.0	718.7	717.1	717.9	719.5	720.6
180°	720.6	720.6	720.6	720.6	720.6	720.6	720.6	720.6	720.6	720.6	720.6



TEST NUMBER: P935786

CATALOG NUMBER: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7
2.5°	1694.5	1684.9	1684.9	1669.2	1662.8	1658.0	1650.2	1626.5	1620.1	1613.9	1623.3
5°	1708.7	1691.3	1678.6	1650.2	1626.5	1616.9	1587.0	1530.1	1492.2	1463.7	1447.9
7.5°	1711.8	1689.7	1666.0	1621.7	1564.8	1539.5	1447.9	1343.6	1315.1	1289.8	1274.0
10°	1708.7	1683.3	1650.2	1583.8	1449.5	1405.2	1313.5	1245.5	1228.1	1223.4	1228.1
12.5°	1697.6	1673.9	1628.1	1517.4	1329.3	1299.3	1245.5	1206.0	1202.9	1210.7	1253.4
15°	1678.6	1656.5	1602.7	1428.9	1263.0	1240.8	1202.9	1188.6	1206.0	1261.4	1389.4
17.5°	1659.6	1634.4	1568.0	1342.0	1212.3	1196.5	1169.6	1198.1	1296.1	1370.4	1413.0
20°	1634.4	1604.3	1528.5	1278.7	1176.0	1161.8	1149.1	1277.2	1351.4	1378.3	1402.0
22.5°	1604.3	1572.8	1474.7	1234.5	1138.1	1127.0	1134.9	1321.4	1351.4	1370.4	1390.9
25°	1564.8	1537.9	1411.5	1199.7	1108.0	1095.4	1125.4	1316.7	1334.0	1338.8	1379.9
27.5°	1528.5	1493.7	1345.1	1168.1	1071.7	1066.9	1133.3	1296.1	1308.7	1313.5	1357.8
30°	1484.2	1432.0	1270.8	1134.9	1033.8	1032.2	1134.9	1270.8	1267.6	1280.3	1324.6
32.5°	1438.4	1340.4	1187.0	1093.8	997.4	995.8	1123.8	1232.9	1229.7	1247.1	1280.3
35°	1395.7	1269.2	1073.3	1046.4	951.6	953.1	1097.0	1188.6	1190.2	1206.0	1226.5
37.5°	1351.4	1207.6	948.4	994.2	907.3	907.3	1060.6	1147.5	1144.3	1149.1	1177.6
40°	1299.3	1111.2	837.7	926.2	866.2	861.4	1016.4	1103.2	1092.2	1090.6	1130.1
42.5°	1244.0	1005.3	755.5	836.1	818.7	812.5	962.6	1049.5	1029.0	1033.8	1084.3
45°	1183.8	976.9	692.3	706.6	769.8	765.0	904.1	987.9	973.7	986.3	1038.5
47.5°	1123.8	919.9	671.7	586.5	717.6	716.0	839.3	927.8	919.9	932.6	987.9
50°	1041.6	856.7	670.1	502.7	659.1	665.5	761.9	869.4	869.4	880.4	938.9
52.5°	935.8	779.2	608.5	455.2	591.1	610.1	693.9	818.7	821.9	833.0	885.2
55°	839.3	698.6	564.3	418.9	510.5	551.6	627.6	766.6	772.9	784.0	831.4
57.5°	750.8	581.7	554.8	376.2	436.3	475.8	569.0	716.0	719.2	728.7	774.5
60°	655.9	420.5	508.9	330.4	371.5	401.4	515.3	655.9	667.1	673.3	712.8
62.5°	548.4	305.0	461.6	298.7	339.8	346.1	471.0	599.1	613.3	618.0	641.8
65°	390.4	256.1	392.0	271.9	306.6	308.2	423.6	540.6	553.2	561.1	578.5
67.5°	263.9	208.7	298.7	246.6	281.3	282.9	377.8	472.6	490.0	496.3	507.3
70°	183.3	139.1	221.3	219.7	252.9	256.1	328.8	411.0	426.7	431.5	437.9
72.5°	134.3	112.3	183.3	197.5	222.9	226.0	278.1	341.4	357.3	361.9	365.1
75°	102.7	118.5	148.6	172.3	189.7	191.3	227.6	278.1	289.3	292.4	294.0
77.5°	82.2	110.7	109.1	139.1	154.9	151.8	178.6	215.0	224.4	224.4	224.4
80°	61.6	87.0	82.2	99.6	113.8	110.7	128.1	153.4	156.4	159.6	158.0
82.5°	45.9	55.3	55.3	63.2	75.8	72.7	85.4	99.6	99.6	99.6	102.7
85°	28.5	31.6	25.3	33.2	42.7	41.1	47.4	53.7	55.3	55.3	52.1
87.5°	17.4	14.2	7.9	12.6	19.0	19.0	22.1	23.7	22.1	22.1	22.1
90°	12.6	8.7	4.9	8.7	12.6	13.5	21.3	31.6	36.7	32.6	24.5
92.5°	85.1	52.2	19.3	52.2	85.1	93.3	131.2	181.8	207.0	181.4	130.3
95°	166.8	106.6	46.4	106.6	166.8	181.8	322.9	510.9	605.0	539.9	409.7
97.5°	186.4	133.3	80.2	133.3	186.4	199.7	434.9	748.4	905.2	864.0	781.8
100°	202.7	154.6	106.4	154.6	202.7	214.7	475.7	823.6	997.6	1000.6	1006.7
102.5°	218.5	173.5	128.6	173.5	218.5	229.7	494.4	847.3	1023.8	1076.2	1181.1
105°	242.5	204.5	166.3	204.5	242.5	252.0	508.3	850.0	1020.9	1138.5	1373.5
107.5°	276.0	240.5	205.0	240.5	276.0	284.9	510.9	812.2	962.9	1126.9	1454.8
110°	295.1	263.2	231.2	263.2	295.1	303.2	507.0	778.7	914.5	1097.8	1464.5



TEST NUMBER: P935786

CATALOG NUMBER: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	317.7	287.3	256.8	287.3	317.7	325.4	507.1	749.3	870.5	1058.1	1433.4
115°	351.8	323.6	295.4	323.6	351.8	358.8	511.8	715.7	817.7	998.4	1360.0
117.5°	384.9	359.3	333.7	359.3	384.9	391.3	521.4	694.8	781.5	944.6	1270.8
120°	404.1	380.0	355.9	380.0	404.1	410.1	529.1	687.7	767.0	916.1	1214.1
122.5°	426.3	402.0	377.7	402.0	426.3	432.3	540.2	684.0	755.9	890.1	1158.5
125°	455.3	433.2	411.1	433.2	455.3	460.8	555.2	680.9	743.7	857.8	1085.8
127.5°	482.8	460.5	438.1	460.5	482.8	488.4	570.1	679.1	733.6	831.4	1027.3
130°	500.8	476.7	452.6	476.7	500.8	506.8	581.1	680.2	729.7	816.9	991.2
132.5°	515.8	491.8	467.7	491.8	515.8	521.8	590.0	680.9	726.4	804.4	960.4
135°	533.7	511.8	489.9	511.8	533.7	539.2	599.6	680.2	720.6	786.0	916.6
137.5°	556.0	534.2	512.6	534.2	556.0	561.4	614.1	684.4	719.6	774.8	885.2
140°	571.4	551.4	531.4	551.4	571.4	576.5	623.1	685.2	716.2	763.9	859.4
142.5°	582.9	564.4	545.9	564.4	582.9	587.6	630.4	687.6	716.2	758.1	841.9
145°	600.5	584.3	568.2	584.3	600.5	604.5	640.1	687.6	711.3	745.6	814.2
147.5°	621.9	606.2	590.5	606.2	621.9	625.8	654.3	692.3	711.3	738.3	792.3
150°	633.3	619.1	605.0	619.1	633.3	636.9	661.7	694.8	711.3	734.1	779.7
152.5°	641.5	630.7	620.0	630.7	641.5	644.2	666.6	696.4	711.3	730.8	769.7
155°	658.1	650.2	642.2	650.2	658.1	660.1	677.2	699.9	711.3	726.8	757.8
157.5°	674.1	666.4	658.7	666.4	674.1	676.0	687.8	703.5	711.3	723.4	747.5
160°	681.8	675.7	669.8	675.7	681.8	683.3	692.7	705.1	711.3	721.6	742.2
162.5°	689.9	685.4	680.9	685.4	689.9	691.1	697.8	706.9	711.3	720.0	737.5
165°	701.2	697.0	692.9	697.0	701.2	702.2	705.3	709.3	711.3	717.6	730.0
167.5°	708.0	706.0	704.1	706.0	708.0	708.4	711.1	714.5	716.2	720.3	728.4
170°	715.3	713.3	711.3	713.3	715.3	715.7	715.9	716.1	716.2	720.3	728.4
172.5°	716.1	715.6	715.3	715.6	716.1	716.2	716.2	716.2	716.2	719.4	725.8
175°	720.6	720.6	720.6	720.6	720.6	720.6	719.1	717.1	716.2	718.2	722.3
177.5°	720.6	720.6	720.6	720.6	720.6	720.6	719.5	717.9	717.1	718.7	722.0
180°	720.6	720.6	720.6	720.6	720.6	720.6	720.6	720.6	720.6	720.6	720.6



TEST NUMBER: P935786

CATALOG NUMBER: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7
2.5°	1612.3	1607.5	1613.9	1596.4	1613.9	1607.5	1612.3	1623.3	1613.9	1620.1	1626.5
5°	1414.6	1406.8	1381.5	1360.9	1381.5	1406.8	1414.6	1447.9	1463.7	1492.2	1530.1
7.5°	1264.5	1258.2	1251.8	1239.2	1251.8	1258.2	1264.5	1274.0	1289.8	1315.1	1343.6
10°	1231.3	1232.9	1242.4	1240.8	1242.4	1232.9	1231.3	1228.1	1223.4	1228.1	1245.5
12.5°	1316.7	1330.9	1383.1	1379.9	1383.1	1330.9	1316.7	1253.4	1210.7	1202.9	1206.0
15°	1414.6	1419.4	1430.5	1432.0	1430.5	1419.4	1414.6	1389.4	1261.4	1206.0	1188.6
17.5°	1424.2	1425.8	1433.6	1433.6	1433.6	1425.8	1424.2	1413.0	1370.4	1296.1	1198.1
20°	1416.2	1419.4	1435.2	1438.4	1435.2	1419.4	1416.2	1402.0	1378.3	1351.4	1277.2
22.5°	1413.0	1419.4	1432.0	1430.5	1432.0	1419.4	1413.0	1390.9	1370.4	1351.4	1321.4
25°	1397.3	1397.3	1398.9	1400.4	1398.9	1397.3	1397.3	1379.9	1338.8	1334.0	1316.7
27.5°	1364.1	1367.3	1376.7	1375.1	1376.7	1367.3	1364.1	1357.8	1313.5	1308.7	1296.1
30°	1334.0	1330.9	1323.0	1316.7	1323.0	1330.9	1334.0	1324.6	1280.3	1267.6	1270.8
32.5°	1283.5	1275.6	1267.6	1263.0	1267.6	1275.6	1283.5	1280.3	1247.1	1229.7	1232.9
35°	1223.4	1224.9	1223.4	1218.7	1223.4	1224.9	1223.4	1226.5	1206.0	1190.2	1188.6
37.5°	1180.8	1183.8	1182.4	1176.0	1182.4	1183.8	1180.8	1177.6	1149.1	1144.3	1147.5
40°	1136.5	1138.1	1136.5	1131.7	1136.5	1138.1	1136.5	1130.1	1090.6	1092.2	1103.2
42.5°	1093.8	1092.2	1087.5	1084.3	1087.5	1092.2	1093.8	1084.3	1033.8	1029.0	1049.5
45°	1044.8	1046.4	1036.9	1032.2	1036.9	1046.4	1044.8	1038.5	986.3	973.7	987.9
47.5°	995.8	995.8	987.9	983.1	987.9	995.8	995.8	987.9	932.6	919.9	927.8
50°	943.6	942.0	931.0	929.4	931.0	942.0	943.6	938.9	880.4	869.4	869.4
52.5°	883.6	883.6	885.2	888.3	885.2	883.6	883.6	885.2	833.0	821.9	818.7
55°	831.4	833.0	844.1	847.2	844.1	833.0	831.4	831.4	784.0	772.9	766.6
57.5°	777.6	777.6	785.6	785.6	785.6	777.6	777.6	774.5	728.7	719.2	716.0
60°	716.0	719.2	725.5	723.9	725.5	719.2	716.0	712.8	673.3	667.1	655.9
62.5°	651.2	654.4	655.9	652.8	655.9	654.4	651.2	641.8	618.0	613.3	599.1
65°	583.3	586.5	588.0	584.9	588.0	586.5	583.3	578.5	561.1	553.2	540.6
67.5°	513.7	512.1	510.5	516.9	510.5	512.1	513.7	507.3	496.3	490.0	472.6
70°	442.5	442.5	441.0	444.1	441.0	442.5	442.5	437.9	431.5	426.7	411.0
72.5°	366.7	365.1	371.5	366.7	371.5	365.1	366.7	365.1	361.9	357.3	341.4
75°	292.4	295.6	292.4	297.2	292.4	295.6	292.4	294.0	292.4	289.3	278.1
77.5°	222.9	226.0	222.9	222.9	222.9	226.0	222.9	224.4	224.4	224.4	215.0
80°	158.0	156.4	156.4	154.9	156.4	156.4	158.0	158.0	159.6	156.4	153.4
82.5°	101.2	99.6	99.6	102.7	99.6	99.6	101.2	102.7	99.6	99.6	99.6
85°	55.3	56.9	53.7	53.7	53.7	56.9	55.3	52.1	55.3	55.3	53.7
87.5°	20.5	19.0	19.0	19.0	19.0	19.0	20.5	22.1	22.1	22.1	23.7
90°	18.4	18.4	18.4	18.4	18.4	18.4	18.4	24.5	32.6	36.7	31.6
92.5°	91.9	88.3	73.6	59.0	73.6	88.3	91.9	130.3	181.4	207.0	181.8
95°	312.0	300.8	256.6	212.3	256.6	300.8	312.0	409.7	539.9	605.0	510.9
97.5°	720.0	699.0	614.8	530.5	614.8	699.0	720.0	781.8	864.0	905.2	748.4
100°	1011.1	986.0	885.7	785.3	885.7	986.0	1011.1	1006.7	1000.6	997.6	823.6
102.5°	1259.8	1238.3	1152.3	1066.3	1152.3	1238.3	1259.8	1181.1	1076.2	1023.8	847.3
105°	1549.9	1538.3	1492.2	1445.9	1492.2	1538.3	1549.9	1373.5	1138.5	1020.9	850.0
107.5°	1700.7	1703.5	1714.7	1725.9	1714.7	1703.5	1700.7	1454.8	1126.9	962.9	812.2
110°	1739.5	1751.5	1799.6	1847.7	1799.6	1751.5	1739.5	1464.5	1097.8	914.5	778.7



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1714.8	1733.3	1807.2	1881.2	1807.2	1733.3	1714.8	1433.4	1058.1	870.5	749.3
115°	1631.1	1656.7	1759.3	1861.8	1759.3	1656.7	1631.1	1360.0	998.4	817.7	715.7
117.5°	1515.5	1543.9	1657.7	1771.3	1657.7	1543.9	1515.5	1270.8	944.6	781.5	694.8
120°	1437.7	1465.4	1575.8	1686.2	1575.8	1465.4	1437.7	1214.1	916.1	767.0	687.7
122.5°	1359.8	1387.1	1496.0	1605.0	1496.0	1387.1	1359.8	1158.5	890.1	755.9	684.0
125°	1256.8	1281.9	1382.2	1482.6	1382.2	1281.9	1256.8	1085.8	857.8	743.7	680.9
127.5°	1174.1	1195.3	1280.0	1364.7	1280.0	1195.3	1174.1	1027.3	831.4	733.6	679.1
130°	1121.9	1141.4	1219.7	1298.0	1219.7	1141.4	1121.9	991.2	816.9	729.7	680.2
132.5°	1077.5	1094.9	1165.0	1235.0	1165.0	1094.9	1077.5	960.4	804.4	726.4	680.9
135°	1014.6	1029.7	1090.1	1150.4	1090.1	1029.7	1014.6	916.6	786.0	720.6	680.2
137.5°	968.1	980.4	1029.9	1079.3	1029.9	980.4	968.1	885.2	774.8	719.6	684.4
140°	930.9	942.5	988.6	1034.9	988.6	942.5	930.9	859.4	763.9	716.2	685.2
142.5°	904.8	914.7	954.5	994.2	954.5	914.7	904.8	841.9	758.1	716.2	687.6
145°	865.6	873.2	903.3	933.3	903.3	873.2	865.6	814.2	745.6	711.3	687.6
147.5°	832.8	839.0	863.9	888.8	863.9	839.0	832.8	792.3	738.3	711.3	692.3
150°	813.9	818.9	839.2	859.4	839.2	818.9	813.9	779.7	734.1	711.3	694.8
152.5°	798.9	802.7	817.9	833.2	817.9	802.7	798.9	769.7	730.8	711.3	696.4
155°	781.0	783.5	793.6	803.7	793.6	783.5	781.0	757.8	726.8	711.3	699.9
157.5°	765.5	767.3	774.4	781.5	774.4	767.3	765.5	747.5	723.4	711.3	703.5
160°	757.8	758.8	762.9	767.0	762.9	758.8	757.8	742.2	721.6	711.3	705.1
162.5°	750.6	751.5	755.4	759.2	755.4	751.5	750.6	737.5	720.0	711.3	706.9
165°	739.4	740.4	744.5	748.6	744.5	740.4	739.4	730.0	717.6	711.3	709.3
167.5°	734.6	735.1	736.7	738.4	736.7	735.1	734.6	728.4	720.3	716.2	714.5
170°	734.6	734.6	734.6	734.6	734.6	734.6	734.6	728.4	720.3	716.2	716.1
172.5°	730.7	730.3	728.8	727.3	728.8	730.3	730.7	725.8	719.4	716.2	716.2
175°	725.3	725.3	725.3	725.3	725.3	725.3	725.3	722.3	718.2	716.2	717.1
177.5°	724.4	723.9	722.3	720.6	722.3	723.9	724.4	722.0	718.7	717.1	717.9
180°	720.6	720.6	720.6	720.6	720.6	720.6	720.6	720.6	720.6	720.6	720.6



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1670.7	1670.7	1670.7	1670.7	1670.7
2.5°	1650.2	1658.0	1662.8	1669.2	1684.9
5°	1587.0	1616.9	1626.5	1650.2	1678.6
7.5°	1447.9	1539.5	1564.8	1621.7	1666.0
10°	1313.5	1405.2	1449.5	1583.8	1650.2
12.5°	1245.5	1299.3	1329.3	1517.4	1628.1
15°	1202.9	1240.8	1263.0	1428.9	1602.7
17.5°	1169.6	1196.5	1212.3	1342.0	1568.0
20°	1149.1	1161.8	1176.0	1278.7	1528.5
22.5°	1134.9	1127.0	1138.1	1234.5	1474.7
25°	1125.4	1095.4	1108.0	1199.7	1411.5
27.5°	1133.3	1066.9	1071.7	1168.1	1345.1
30°	1134.9	1032.2	1033.8	1134.9	1270.8
32.5°	1123.8	995.8	997.4	1093.8	1187.0
35°	1097.0	953.1	951.6	1046.4	1073.3
37.5°	1060.6	907.3	907.3	994.2	948.4
40°	1016.4	861.4	866.2	926.2	837.7
42.5°	962.6	812.5	818.7	836.1	755.5
45°	904.1	765.0	769.8	706.6	692.3
47.5°	839.3	716.0	717.6	586.5	671.7
50°	761.9	665.5	659.1	502.7	670.1
52.5°	693.9	610.1	591.1	455.2	608.5
55°	627.6	551.6	510.5	418.9	564.3
57.5°	569.0	475.8	436.3	376.2	554.8
60°	515.3	401.4	371.5	330.4	508.9
62.5°	471.0	346.1	339.8	298.7	461.6
65°	423.6	308.2	306.6	271.9	392.0
67.5°	377.8	282.9	281.3	246.6	298.7
70°	328.8	256.1	252.9	219.7	221.3
72.5°	278.1	226.0	222.9	197.5	183.3
75°	227.6	191.3	189.7	172.3	148.6
77.5°	178.6	151.8	154.9	139.1	109.1
80°	128.1	110.7	113.8	99.6	82.2
82.5°	85.4	72.7	75.8	63.2	55.3
85°	47.4	41.1	42.7	33.2	25.3
87.5°	22.1	19.0	19.0	12.6	7.9
90°	21.3	13.5	12.6	8.7	4.9
92.5°	131.2	93.3	85.1	52.2	19.3
95°	322.9	181.8	166.8	106.6	46.4
97.5°	434.9	199.7	186.4	133.3	80.2
100°	475.7	214.7	202.7	154.6	106.4
102.5°	494.4	229.7	218.5	173.5	128.6
105°	508.3	252.0	242.5	204.5	166.3
107.5°	510.9	284.9	276.0	240.5	205.0
110°	507.0	303.2	295.1	263.2	231.2



TEST NUMBER: P935786

CATALOG NUMBER: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	507.1	325.4	317.7	287.3	256.8
115°	511.8	358.8	351.8	323.6	295.4
117.5°	521.4	391.3	384.9	359.3	333.7
120°	529.1	410.1	404.1	380.0	355.9
122.5°	540.2	432.3	426.3	402.0	377.7
125°	555.2	460.8	455.3	433.2	411.1
127.5°	570.1	488.4	482.8	460.5	438.1
130°	581.1	506.8	500.8	476.7	452.6
132.5°	590.0	521.8	515.8	491.8	467.7
135°	599.6	539.2	533.7	511.8	489.9
137.5°	614.1	561.4	556.0	534.2	512.6
140°	623.1	576.5	571.4	551.4	531.4
142.5°	630.4	587.6	582.9	564.4	545.9
145°	640.1	604.5	600.5	584.3	568.2
147.5°	654.3	625.8	621.9	606.2	590.5
150°	661.7	636.9	633.3	619.1	605.0
152.5°	666.6	644.2	641.5	630.7	620.0
155°	677.2	660.1	658.1	650.2	642.2
157.5°	687.8	676.0	674.1	666.4	658.7
160°	692.7	683.3	681.8	675.7	669.8
162.5°	697.8	691.1	689.9	685.4	680.9
165°	705.3	702.2	701.2	697.0	692.9
167.5°	711.1	708.4	708.0	706.0	704.1
170°	715.9	715.7	715.3	713.3	711.3
172.5°	716.2	716.2	716.1	715.6	715.3
175°	719.1	720.6	720.6	720.6	720.6
177.5°	719.5	720.6	720.6	720.6	720.6
180°	720.6	720.6	720.6	720.6	720.6



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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	14.14	14.99	15.11	15.97	17.27	16.94	17.78	17.91	18.77	20.07
	3H	14.62	15.37	15.60	16.37	17.69	18.27	19.03	19.26	20.03	21.35
	4H	14.81	15.52	15.81	16.52	17.85	18.71	19.43	19.71	20.43	21.75
	6H	14.93	15.59	15.93	16.59	17.93	18.99	19.65	20.00	20.65	21.99
	8H	14.93	15.56	15.94	16.58	17.91	19.06	19.68	20.07	20.71	22.04
	12H	14.90	15.50	15.92	16.51	17.87	19.09	19.69	20.11	20.70	22.06
4H	2H	15.16	15.88	16.17	16.88	18.21	17.35	18.06	18.35	19.06	20.39
	3H	16.19	16.79	17.20	17.81	19.16	18.84	19.44	19.86	20.47	21.81
	4H	16.47	17.01	17.49	18.03	19.40	19.36	19.91	20.38	20.93	22.29
	6H	16.59	17.06	17.62	18.10	19.46	19.72	20.19	20.75	21.23	22.59
	8H	16.60	17.03	17.63	18.07	19.45	19.82	20.26	20.85	21.30	22.67
	12H	16.56	16.96	17.61	18.01	19.39	19.87	20.27	20.92	21.32	22.70
8H	4H	16.91	17.35	17.94	18.39	19.76	19.49	19.93	20.52	20.96	22.34
	6H	17.17	17.54	18.23	18.61	19.99	19.92	20.28	20.97	21.36	22.73
	8H	17.22	17.53	18.28	18.60	19.99	20.06	20.38	21.13	21.44	22.84
	12H	17.20	17.48	18.27	18.54	19.97	20.15	20.43	21.22	21.49	22.93
12H	4H	16.92	17.31	17.97	18.36	19.75	19.45	19.85	20.50	20.90	22.28
	6H	17.23	17.55	18.30	18.62	20.01	19.91	20.23	20.98	21.29	22.69
	8H	17.30	17.58	18.37	18.64	20.07	20.07	20.35	21.14	21.41	22.84