

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: P934183

Luminaire Tested: SQ4-FA-025U-125D-B2750-1D-UNV-W2A-W-4-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934183
REPORT IS A COMBINATION OF REPORTS P933686 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-025U-125D-B2750-1D-UNV-W2A-W-4-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

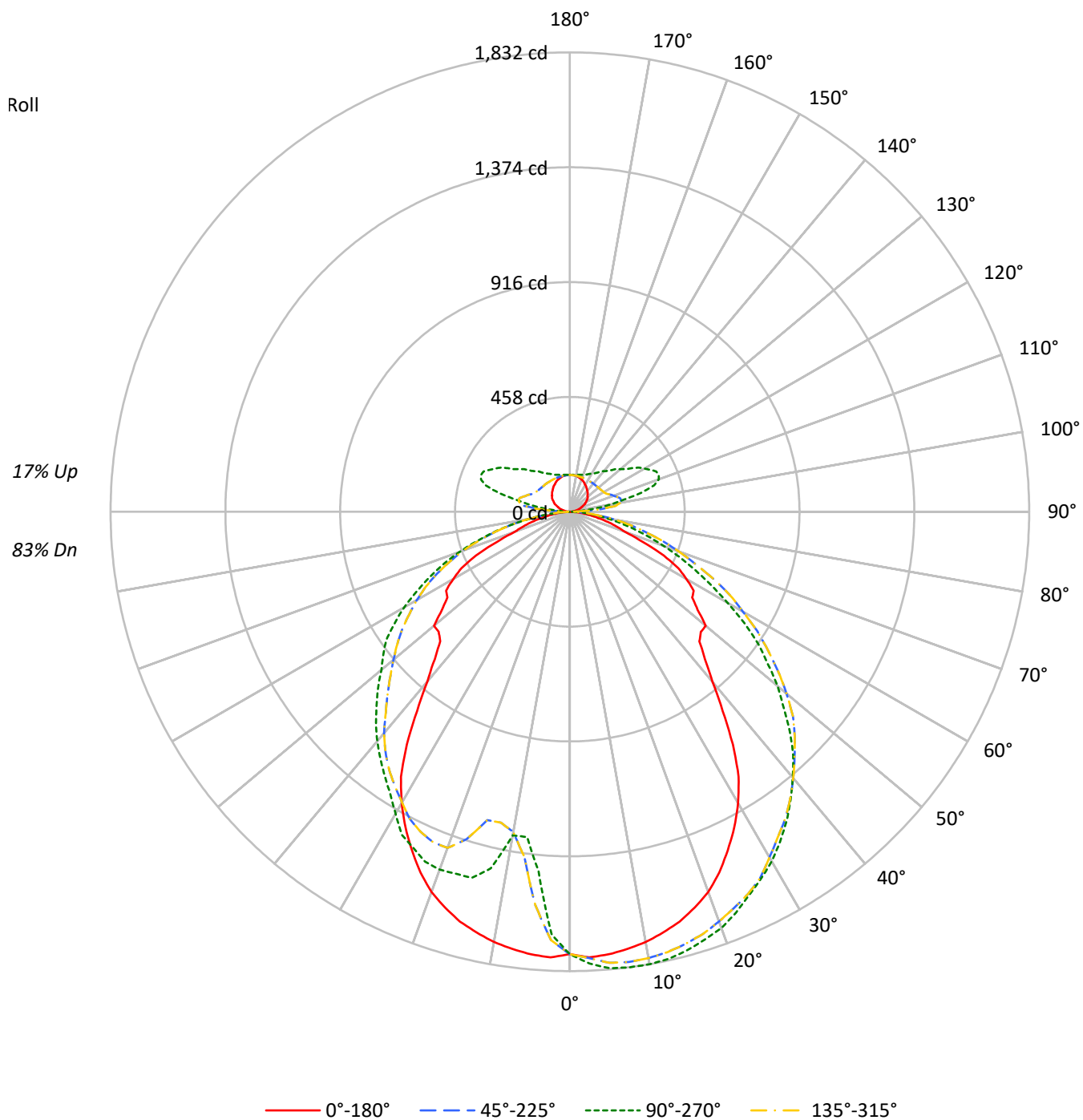
Lumens per Lamp: N/A
Luminaire Lumens: 5527.5 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 49.6
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



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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	50	30	10
RCR																				
0	115	115	115	115	110	110	110	110	102	102	102	94	94	94	86	86	86	86	86	83
1	105	101	97	93	101	97	93	90	89	87	84	83	80	78	76	75	73	73	73	70
2	96	88	82	76	92	85	79	74	78	74	70	73	69	66	67	64	62	62	62	59
3	88	78	70	64	84	75	68	62	69	63	59	64	60	56	60	56	52	52	52	50
4	80	69	60	54	77	66	59	53	62	55	50	57	52	48	53	49	45	45	45	43
5	74	61	53	46	70	59	51	45	55	49	43	52	46	41	48	43	39	39	39	37
6	68	55	47	40	65	53	45	40	50	43	38	47	41	36	44	39	35	35	35	32
7	63	50	42	36	60	48	41	35	45	39	34	42	37	32	40	35	31	31	31	29
8	59	46	37	32	56	44	36	31	41	35	30	39	33	29	37	31	28	28	28	26
9	55	42	34	28	52	40	33	28	38	32	27	36	30	26	34	29	25	25	25	23
10	51	38	31	26	49	37	30	25	35	29	24	33	28	24	31	26	23	23	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16367	16367	16367	16367
5°	16470	16521	16470	12991
10°	16343	16274	16343	11635
15°	16146	15922	16146	13294
20°	15790	15504	15790	13322
25°	15080	14894	15080	13040
30°	14170	14388	14170	12421
35°	12614	13749	12614	11739
40°	10492	12996	10492	11224
45°	9356	12115	9356	10632
50°	9918	11062	9918	10039
55°	9305	9930	9305	9695
60°	9558	8434	9558	8879
65°	8623	6973	8623	7793
70°	5930	5556	5930	6531
75°	5145	4107	5145	4918
80°	4062	2716	4062	2956
85°	2211	1439	2211	1222

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 14369 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.2	2.9
10°-20°	452.0	8.2
20°-30°	698.8	12.6
30°-40°	834.2	15.1
40°-50°	839.1	15.2
50°-60°	730.1	13.2
60°-70°	517.6	9.4
70°-80°	273.9	5.0
80°-90°	68.8	1.2
90°-100°	71.7	1.3
100°-110°	188.6	3.4
110°-120°	195.5	3.5
120°-130°	156.8	2.8
130°-140°	123.1	2.2
140°-150°	94.5	1.7
150°-160°	68.0	1.2
160°-170°	41.6	0.8
170°-180°	14.1	0.3
0°-30°	1310.0	23.7
0°-40°	2144.2	38.8
0°-60°	3713.3	67.2
0°-90°	4573.6	82.7
90°-120°	455.8	8.2
90°-150°	830.2	15.0
90°-180°	954.0	17.3
0°-180°	5527.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1764	1764	1764	1764	1764	
5°	1772	1827	1772	1437	1772	168
15°	1692	1810	1692	1512	1692	476
25°	1490	1689	1490	1478	1490	684
35°	1133	1507	1133	1286	1133	701
45°	731	1242	731	1090	731	585
55°	596	916	596	894	596	547
65°	414	552	414	617	414	395
75°	157	262	157	314	157	165
85°	27	67	27	57	27	36
90°	1	4	1	4	1	2
95°	10	43	10	43	10	11
105°	34	295	34	295	34	36
115°	60	380	60	380	60	60
125°	84	303	84	303	84	74
135°	100	235	100	235	100	77
145°	116	191	116	191	116	73
155°	131	164	131	164	131	60
165°	142	153	142	153	142	40
175°	147	148	147	148	147	14
180°	147	147	147	147	147	

TEST NUMBER: P934183

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8
2.5°	1778.7	1778.7	1788.8	1792.2	1792.2	1787.1	1782.1	1787.1	1802.1	1807.1	1805.5
5°	1772.0	1785.4	1803.8	1807.1	1810.5	1808.8	1805.5	1808.8	1825.5	1828.8	1830.5
7.5°	1758.7	1783.8	1807.1	1812.2	1817.1	1812.2	1810.5	1813.8	1830.5	1833.9	1833.9
10°	1742.1	1777.1	1803.8	1807.1	1812.2	1807.1	1807.1	1813.8	1830.5	1833.9	1835.5
12.5°	1718.7	1767.1	1792.2	1795.4	1802.1	1800.4	1798.8	1805.5	1822.1	1825.5	1825.5
15°	1692.0	1748.8	1772.0	1775.4	1787.1	1783.8	1783.8	1790.5	1808.8	1813.8	1812.2
17.5°	1655.3	1725.4	1752.0	1757.1	1765.4	1763.8	1765.4	1772.0	1788.8	1792.2	1793.7
20°	1613.6	1693.7	1725.4	1730.3	1738.7	1738.7	1738.7	1747.1	1763.8	1770.5	1770.5
22.5°	1556.8	1660.3	1693.7	1697.0	1707.0	1707.0	1710.3	1722.0	1737.0	1738.7	1738.7
25°	1490.0	1623.5	1651.9	1662.0	1672.0	1677.0	1682.0	1688.6	1693.7	1692.0	1693.7
27.5°	1420.0	1576.8	1613.6	1620.2	1633.6	1638.6	1645.2	1646.9	1648.6	1653.6	1650.3
30°	1341.6	1511.7	1566.9	1573.6	1595.2	1598.5	1591.9	1595.2	1603.5	1606.9	1610.2
32.5°	1253.1	1415.0	1518.4	1533.4	1553.5	1543.5	1541.8	1546.8	1560.1	1560.1	1563.5
35°	1133.0	1339.9	1473.4	1486.8	1501.8	1490.0	1496.7	1498.4	1506.8	1511.7	1510.2
37.5°	1001.2	1274.8	1426.6	1436.7	1448.3	1433.3	1443.4	1448.3	1455.0	1451.7	1451.7
40°	884.3	1173.0	1371.6	1378.3	1388.3	1376.7	1386.6	1390.0	1393.3	1390.0	1388.3
42.5°	797.6	1061.2	1313.3	1321.5	1314.8	1323.2	1326.6	1333.3	1328.2	1321.5	1321.5
45°	730.8	1031.3	1249.8	1259.8	1249.8	1263.2	1268.2	1268.2	1253.1	1249.8	1248.2
47.5°	709.1	971.1	1186.4	1186.4	1181.4	1198.1	1206.4	1194.7	1179.7	1174.7	1174.7
50°	707.5	904.4	1099.6	1093.0	1116.3	1136.4	1128.0	1116.3	1104.6	1086.3	1086.3
52.5°	642.4	822.6	987.9	1012.8	1049.6	1061.2	1047.9	1036.2	1016.2	1007.9	1001.2
55°	595.7	737.5	886.0	936.1	974.5	989.5	964.5	952.8	922.8	917.8	914.4
57.5°	585.7	614.1	792.6	856.0	902.7	901.1	886.0	864.3	839.3	834.4	832.7
60°	537.3	443.9	692.5	767.6	815.9	811.0	797.6	777.6	754.2	750.8	747.6
62.5°	487.3	322.0	579.0	664.1	732.5	730.8	719.2	689.1	672.5	664.1	657.5
65°	413.8	270.4	412.1	552.4	650.8	654.1	629.1	607.4	589.0	579.0	577.3
67.5°	315.3	220.3	278.6	460.6	572.4	569.0	537.3	527.3	503.9	498.9	489.0
70°	233.6	146.8	193.6	373.8	495.6	487.3	462.2	450.5	428.8	417.2	410.5
72.5°	193.6	118.5	141.8	290.4	417.2	407.1	385.4	372.1	353.8	343.7	337.0
75°	156.9	125.1	108.5	215.2	338.7	332.1	312.1	298.7	283.7	270.4	271.9
77.5°	115.2	116.8	86.8	158.5	268.7	258.6	247.0	230.2	223.6	210.2	210.2
80°	86.8	91.8	65.1	108.5	193.6	193.6	183.6	171.9	160.2	153.5	153.5
82.5°	58.4	58.4	48.4	68.4	131.8	126.8	120.1	116.8	110.1	106.8	106.8
85°	26.7	33.3	30.1	41.7	71.8	75.1	75.1	71.8	70.1	66.8	68.4
87.5°	8.4	15.0	18.3	23.4	36.7	38.4	40.0	40.0	40.0	41.7	41.7
90°	1.0	1.8	2.6	2.8	4.3	6.4	7.5	6.7	5.0	3.7	3.7
92.5°	3.9	10.6	17.4	19.0	26.8	37.2	42.3	37.1	26.6	18.7	17.9
95°	9.5	21.8	34.1	37.2	66.0	104.3	123.5	110.2	83.6	63.7	61.4
97.5°	16.4	27.2	38.1	40.8	88.8	152.8	184.9	176.5	159.6	147.0	142.7
100°	21.7	31.6	41.4	43.9	97.1	168.2	203.7	204.3	205.6	206.5	201.3
102.5°	26.2	35.4	44.7	46.9	101.0	173.0	209.0	219.8	241.2	257.2	252.8
105°	34.0	41.8	49.5	51.5	103.8	173.5	208.4	232.5	280.5	316.5	314.1
107.5°	41.9	49.1	56.4	58.2	104.3	165.8	196.6	230.1	297.1	347.4	348.0
110°	47.2	53.7	60.2	61.9	103.5	159.0	186.7	224.2	299.1	355.3	357.7

TEST NUMBER: P934183

CATALOG NUMBER: SQ4-FA-025U-125D-B2750-1D-UNV-W2A-W-4-3000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	52.5	58.7	64.9	66.5	103.5	153.0	177.8	216.1	292.7	350.2	354.0
115°	60.3	66.1	71.8	73.3	104.5	146.2	167.0	203.9	277.8	333.1	338.3
117.5°	68.1	73.4	78.6	79.9	106.5	141.9	159.6	193.0	259.5	309.5	315.3
120°	72.7	77.6	82.5	83.7	108.0	140.4	156.6	187.0	248.0	293.6	299.3
122.5°	77.1	82.0	87.0	88.2	110.2	139.6	154.3	181.7	236.5	277.7	283.2
125°	83.9	88.4	93.0	94.2	113.4	139.0	151.8	175.1	221.8	256.7	261.8
127.5°	89.4	94.1	98.6	99.8	116.4	138.6	149.8	169.8	209.8	239.8	244.1
130°	92.4	97.3	102.2	103.5	118.7	138.9	149.0	166.8	202.4	229.1	233.1
132.5°	95.5	100.5	105.4	106.6	120.5	139.0	148.3	164.3	196.1	220.1	223.6
135°	100.1	104.5	109.1	110.1	122.5	138.9	147.1	160.4	187.1	207.2	210.2
137.5°	104.7	109.2	113.6	114.7	125.4	139.7	146.9	158.2	180.7	197.7	200.3
140°	108.6	112.6	116.7	117.7	127.2	139.9	146.2	156.0	175.5	190.1	192.5
142.5°	111.5	115.3	119.0	120.0	128.8	140.4	146.2	154.8	172.0	184.8	186.8
145°	116.1	119.3	122.7	123.4	130.7	140.4	145.2	152.2	166.2	176.8	178.4
147.5°	120.6	123.7	127.0	127.8	133.6	141.4	145.2	150.8	161.8	170.1	171.4
150°	123.5	126.4	129.4	130.1	135.1	141.9	145.2	149.9	159.2	166.2	167.2
152.5°	126.6	128.8	130.9	131.5	136.1	142.2	145.2	149.2	157.2	163.2	164.0
155°	131.1	132.7	134.4	134.8	138.2	142.9	145.2	148.4	154.8	159.5	160.0
157.5°	134.5	136.1	137.6	138.0	140.4	143.7	145.2	147.7	152.6	156.3	156.7
160°	136.8	137.9	139.2	139.5	141.4	144.0	145.2	147.3	151.5	154.7	154.9
162.5°	139.0	139.9	140.9	141.1	142.5	144.4	145.2	147.0	150.6	153.2	153.4
165°	141.5	142.3	143.2	143.4	144.0	144.8	145.2	146.5	149.1	151.0	151.2
167.5°	143.8	144.2	144.5	144.6	145.1	145.8	146.2	147.0	148.7	150.0	150.1
170°	145.2	145.6	146.0	146.1	146.1	146.2	146.2	147.0	148.7	150.0	150.0
172.5°	146.0	146.1	146.2	146.2	146.2	146.2	146.2	146.9	148.2	149.2	149.1
175°	147.1	147.1	147.1	147.1	146.8	146.4	146.2	146.6	147.5	148.1	148.1
177.5°	147.1	147.1	147.1	147.1	146.9	146.6	146.4	146.7	147.4	147.9	147.8
180°	147.1	147.1	147.1	147.1	147.1	147.1	147.1	147.1	147.1	147.1	147.1

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8
2.5°	1808.8	1803.8	1808.8	1805.5	1807.1	1802.1	1787.1	1782.1	1787.1	1792.2	1792.2
5°	1830.5	1827.2	1830.5	1830.5	1828.8	1825.5	1808.8	1805.5	1808.8	1810.5	1807.1
7.5°	1837.1	1832.2	1837.1	1833.9	1833.9	1830.5	1813.8	1810.5	1812.2	1817.1	1812.2
10°	1837.1	1832.2	1837.1	1835.5	1833.9	1830.5	1813.8	1807.1	1807.1	1812.2	1807.1
12.5°	1828.8	1825.5	1828.8	1825.5	1825.5	1822.1	1805.5	1798.8	1800.4	1802.1	1795.4
15°	1815.4	1810.5	1815.4	1812.2	1813.8	1808.8	1790.5	1783.8	1783.8	1787.1	1775.4
17.5°	1795.4	1788.8	1795.4	1793.7	1792.2	1788.8	1772.0	1765.4	1763.8	1765.4	1757.1
20°	1772.0	1767.1	1772.0	1770.5	1770.5	1763.8	1747.1	1738.7	1738.7	1738.7	1730.3
22.5°	1735.4	1730.3	1735.4	1738.7	1738.7	1737.0	1722.0	1710.3	1707.0	1707.0	1697.0
25°	1693.7	1688.6	1693.7	1693.7	1692.0	1693.7	1688.6	1682.0	1677.0	1672.0	1662.0
27.5°	1653.6	1650.3	1653.6	1650.3	1653.6	1648.6	1646.9	1645.2	1638.6	1633.6	1620.2
30°	1613.6	1610.2	1613.6	1610.2	1606.9	1603.5	1595.2	1591.9	1598.5	1595.2	1573.6
32.5°	1563.5	1560.1	1563.5	1563.5	1560.1	1560.1	1546.8	1541.8	1543.5	1553.5	1533.4
35°	1511.7	1506.8	1511.7	1510.2	1511.7	1506.8	1498.4	1496.7	1490.0	1501.8	1486.8
37.5°	1451.7	1446.7	1451.7	1451.7	1451.7	1455.0	1448.3	1443.4	1433.3	1448.3	1436.7
40°	1390.0	1383.3	1390.0	1388.3	1390.0	1393.3	1390.0	1386.6	1376.7	1388.3	1378.3
42.5°	1319.9	1318.2	1319.9	1321.5	1321.5	1328.2	1333.3	1326.6	1323.2	1314.8	1321.5
45°	1244.8	1241.5	1244.8	1248.2	1249.8	1253.1	1268.2	1268.2	1263.2	1249.8	1259.8
47.5°	1164.7	1156.4	1164.7	1174.7	1174.7	1179.7	1194.7	1206.4	1198.1	1181.4	1186.4
50°	1079.6	1081.2	1079.6	1086.3	1086.3	1104.6	1116.3	1128.0	1136.4	1116.3	1093.0
52.5°	996.2	994.5	996.2	1001.2	1007.9	1016.2	1036.2	1047.9	1061.2	1049.6	1012.8
55°	912.7	916.1	912.7	914.4	917.8	922.8	952.8	964.5	989.5	974.5	936.1
57.5°	829.3	824.3	829.3	832.7	834.4	839.3	864.3	886.0	901.1	902.7	856.0
60°	732.5	725.9	732.5	747.6	750.8	754.2	777.6	797.6	811.0	815.9	767.6
62.5°	647.4	635.8	647.4	657.5	664.1	672.5	689.1	719.2	730.8	732.5	664.1
65°	557.3	552.4	557.3	577.3	579.0	589.0	607.4	629.1	654.1	650.8	552.4
67.5°	475.5	475.5	475.5	489.0	498.9	503.9	527.3	537.3	569.0	572.4	460.6
70°	400.5	398.8	400.5	410.5	417.2	428.8	450.5	462.2	487.3	495.6	373.8
72.5°	328.7	327.1	328.7	337.0	343.7	353.8	372.1	385.4	407.1	417.2	290.4
75°	265.3	262.0	265.3	271.9	270.4	283.7	298.7	312.1	332.1	338.7	215.2
77.5°	203.6	203.6	203.6	210.2	210.2	223.6	230.2	247.0	258.6	268.7	158.5
80°	151.8	150.2	151.8	153.5	153.5	160.2	171.9	183.6	193.6	193.6	108.5
82.5°	106.8	103.4	106.8	106.8	106.8	110.1	116.8	120.1	126.8	131.8	68.4
85°	66.8	66.8	66.8	68.4	66.8	70.1	71.8	75.1	75.1	71.8	41.7
87.5°	43.4	41.7	43.4	41.7	41.7	40.0	40.0	40.0	38.4	36.7	23.4
90°	3.7	3.7	3.7	3.7	3.7	5.0	6.7	7.5	6.4	4.3	2.8
92.5°	15.0	12.0	15.0	17.9	18.7	26.6	37.1	42.3	37.2	26.8	19.0
95°	52.5	43.4	52.5	61.4	63.7	83.6	110.2	123.5	104.3	66.0	37.2
97.5°	125.5	108.4	125.5	142.7	147.0	159.6	176.5	184.9	152.8	88.8	40.8
100°	180.9	160.4	180.9	201.3	206.5	205.6	204.3	203.7	168.2	97.1	43.9
102.5°	235.3	217.7	235.3	252.8	257.2	241.2	219.8	209.0	173.0	101.0	46.9
105°	304.8	295.3	304.8	314.1	316.5	280.5	232.5	208.4	173.5	103.8	51.5
107.5°	350.2	352.5	350.2	348.0	347.4	297.1	230.1	196.6	165.8	104.3	58.2
110°	367.5	377.3	367.5	357.7	355.3	299.1	224.2	186.7	159.0	103.5	61.9

TEST NUMBER: P934183

CATALOG NUMBER: SQ4-FA-025U-125D-B2750-1D-UNV-W2A-W-4-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	369.1	384.1	369.1	354.0	350.2	292.7	216.1	177.8	153.0	103.5	66.5
115°	359.3	380.2	359.3	338.3	333.1	277.8	203.9	167.0	146.2	104.5	73.3
117.5°	338.5	361.8	338.5	315.3	309.5	259.5	193.0	159.6	141.9	106.5	79.9
120°	321.8	344.3	321.8	299.3	293.6	248.0	187.0	156.6	140.4	108.0	83.7
122.5°	305.5	327.7	305.5	283.2	277.7	236.5	181.7	154.3	139.6	110.2	88.2
125°	282.3	302.8	282.3	261.8	256.7	221.8	175.1	151.8	139.0	113.4	94.2
127.5°	261.4	278.6	261.4	244.1	239.8	209.8	169.8	149.8	138.6	116.4	99.8
130°	249.1	265.0	249.1	233.1	229.1	202.4	166.8	149.0	138.9	118.7	103.5
132.5°	237.9	252.2	237.9	223.6	220.1	196.1	164.3	148.3	139.0	120.5	106.6
135°	222.6	235.0	222.6	210.2	207.2	187.1	160.4	147.1	138.9	122.5	110.1
137.5°	210.3	220.5	210.3	200.3	197.7	180.7	158.2	146.9	139.7	125.4	114.7
140°	201.8	211.3	201.8	192.5	190.1	175.5	156.0	146.2	139.9	127.2	117.7
142.5°	194.9	203.0	194.9	186.8	184.8	172.0	154.8	146.2	140.4	128.8	120.0
145°	184.5	190.6	184.5	178.4	176.8	166.2	152.2	145.2	140.4	130.7	123.4
147.5°	176.4	181.5	176.4	171.4	170.1	161.8	150.8	145.2	141.4	133.6	127.8
150°	171.4	175.5	171.4	167.2	166.2	159.2	149.9	145.2	141.9	135.1	130.1
152.5°	167.0	170.2	167.0	164.0	163.2	157.2	149.2	145.2	142.2	136.1	131.5
155°	162.1	164.2	162.1	160.0	159.5	154.8	148.4	145.2	142.9	138.2	134.8
157.5°	158.2	159.6	158.2	156.7	156.3	152.6	147.7	145.2	143.7	140.4	138.0
160°	155.8	156.6	155.8	154.9	154.7	151.5	147.3	145.2	144.0	141.4	139.5
162.5°	154.2	155.0	154.2	153.4	153.2	150.6	147.0	145.2	144.4	142.5	141.1
165°	152.0	152.8	152.0	151.2	151.0	149.1	146.5	145.2	144.8	144.0	143.4
167.5°	150.4	150.8	150.4	150.1	150.0	148.7	147.0	146.2	145.8	145.1	144.6
170°	150.0	150.0	150.0	150.0	150.0	148.7	147.0	146.2	146.2	146.1	146.1
172.5°	148.8	148.5	148.8	149.1	149.2	148.2	146.9	146.2	146.2	146.2	146.2
175°	148.1	148.1	148.1	148.1	148.1	147.5	146.6	146.2	146.4	146.8	147.1
177.5°	147.5	147.1	147.5	147.8	147.9	147.4	146.7	146.4	146.6	146.9	147.1
180°	147.1	147.1	147.1	147.1	147.1	147.1	147.1	147.1	147.1	147.1	147.1

TEST NUMBER: P934183

CATALOG NUMBER: SQ4-FA-025U-125D-B2750-1D-UNV-W2A-W-4-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8
2.5°	1788.8	1778.7	1778.7	1762.1	1755.4	1750.3	1742.1	1717.0	1710.3	1703.7	1713.7
5°	1803.8	1785.4	1772.0	1742.1	1717.0	1707.0	1675.3	1615.3	1575.2	1545.2	1528.5
7.5°	1807.1	1783.8	1758.7	1712.0	1651.9	1625.2	1528.5	1418.4	1388.3	1361.6	1344.9
10°	1803.8	1777.1	1742.1	1672.0	1530.2	1483.4	1386.6	1314.8	1296.5	1291.6	1296.5
12.5°	1792.2	1767.1	1718.7	1601.9	1403.3	1371.6	1314.8	1273.1	1269.9	1278.2	1323.2
15°	1772.0	1748.8	1692.0	1508.5	1333.3	1309.9	1269.9	1254.8	1273.1	1331.6	1466.8
17.5°	1752.0	1725.4	1655.3	1416.7	1279.8	1263.2	1234.8	1264.8	1368.3	1446.7	1491.7
20°	1725.4	1693.7	1613.6	1349.9	1241.5	1226.5	1213.1	1348.3	1426.6	1455.0	1480.1
22.5°	1693.7	1660.3	1556.8	1303.2	1201.4	1189.7	1198.1	1395.0	1426.6	1446.7	1468.4
25°	1651.9	1623.5	1490.0	1266.5	1169.7	1156.4	1188.0	1390.0	1408.3	1413.3	1456.7
27.5°	1613.6	1576.8	1420.0	1233.1	1131.3	1126.3	1196.4	1368.3	1381.6	1386.6	1433.3
30°	1566.9	1511.7	1341.6	1198.1	1091.3	1089.6	1198.1	1341.6	1338.2	1351.6	1398.3
32.5°	1518.4	1415.0	1253.1	1154.7	1052.9	1051.3	1186.4	1301.5	1298.2	1316.5	1351.6
35°	1473.4	1339.9	1133.0	1104.6	1004.5	1006.2	1158.1	1254.8	1256.5	1273.1	1294.8
37.5°	1426.6	1274.8	1001.2	1049.6	957.8	957.8	1119.6	1211.4	1208.0	1213.1	1243.1
40°	1371.6	1173.0	884.3	977.8	914.4	909.4	1073.0	1164.7	1153.0	1151.4	1193.1
42.5°	1313.3	1061.2	797.6	882.7	864.3	857.7	1016.2	1108.0	1086.3	1091.3	1144.6
45°	1249.8	1031.3	730.8	745.9	812.7	807.6	954.4	1042.9	1027.9	1041.2	1096.3
47.5°	1186.4	971.1	709.1	619.1	757.5	755.9	886.0	979.5	971.1	984.5	1042.9
50°	1099.6	904.4	707.5	530.7	695.8	702.5	804.3	917.8	917.8	929.4	991.1
52.5°	987.9	822.6	642.4	480.6	624.0	644.1	732.5	864.3	867.7	879.4	934.4
55°	886.0	737.5	595.7	442.2	538.9	582.3	662.5	809.3	815.9	827.6	877.7
57.5°	792.6	614.1	585.7	397.2	460.6	502.3	600.7	755.9	759.2	769.3	817.6
60°	692.5	443.9	537.3	348.7	392.1	423.8	544.0	692.5	704.2	710.8	752.5
62.5°	579.0	322.0	487.3	315.3	358.7	365.4	497.2	632.4	647.4	652.4	677.5
65°	412.1	270.4	413.8	287.0	323.7	325.4	447.2	570.7	584.0	592.4	610.7
67.5°	278.6	220.3	315.3	260.3	297.0	298.7	398.8	498.9	517.3	524.0	535.6
70°	193.6	146.8	233.6	231.9	267.0	270.4	347.1	433.8	450.5	455.5	462.2
72.5°	141.8	118.5	193.6	208.5	235.3	238.6	293.6	360.4	377.1	382.1	385.4
75°	108.5	125.1	156.9	181.9	200.3	201.9	240.3	293.6	305.4	308.7	310.4
77.5°	86.8	116.8	115.2	146.8	163.5	160.2	188.5	227.0	236.9	236.9	236.9
80°	65.1	91.8	86.8	105.1	120.1	116.8	135.2	161.9	165.2	168.5	166.8
82.5°	48.4	58.4	58.4	66.8	80.1	76.7	90.1	105.1	105.1	105.1	108.5
85°	30.1	33.3	26.7	35.0	45.1	43.4	50.1	56.7	58.4	58.4	55.0
87.5°	18.3	15.0	8.4	13.3	20.0	20.0	23.4	25.0	23.4	23.4	23.4
90°	2.6	1.8	1.0	1.8	2.6	2.8	4.3	6.4	7.5	6.7	5.0
92.5°	17.4	10.6	3.9	10.6	17.4	19.0	26.8	37.2	42.3	37.1	26.6
95°	34.1	21.8	9.5	21.8	34.1	37.2	66.0	104.3	123.5	110.2	83.6
97.5°	38.1	27.2	16.4	27.2	38.1	40.8	88.8	152.8	184.9	176.5	159.6
100°	41.4	31.6	21.7	31.6	41.4	43.9	97.1	168.2	203.7	204.3	205.6
102.5°	44.7	35.4	26.2	35.4	44.7	46.9	101.0	173.0	209.0	219.8	241.2
105°	49.5	41.8	34.0	41.8	49.5	51.5	103.8	173.5	208.4	232.5	280.5
107.5°	56.4	49.1	41.9	49.1	56.4	58.2	104.3	165.8	196.6	230.1	297.1
110°	60.2	53.7	47.2	53.7	60.2	61.9	103.5	159.0	186.7	224.2	299.1

TEST NUMBER: P934183

CATALOG NUMBER: SQ4-FA-025U-125D-B2750-1D-UNV-W2A-W-4-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	64.9	58.7	52.5	58.7	64.9	66.5	103.5	153.0	177.8	216.1	292.7
115°	71.8	66.1	60.3	66.1	71.8	73.3	104.5	146.2	167.0	203.9	277.8
117.5°	78.6	73.4	68.1	73.4	78.6	79.9	106.5	141.9	159.6	193.0	259.5
120°	82.5	77.6	72.7	77.6	82.5	83.7	108.0	140.4	156.6	187.0	248.0
122.5°	87.0	82.0	77.1	82.0	87.0	88.2	110.2	139.6	154.3	181.7	236.5
125°	93.0	88.4	83.9	88.4	93.0	94.2	113.4	139.0	151.8	175.1	221.8
127.5°	98.6	94.1	89.4	94.1	98.6	99.8	116.4	138.6	149.8	169.8	209.8
130°	102.2	97.3	92.4	97.3	102.2	103.5	118.7	138.9	149.0	166.8	202.4
132.5°	105.4	100.5	95.5	100.5	105.4	106.6	120.5	139.0	148.3	164.3	196.1
135°	109.1	104.5	100.1	104.5	109.1	110.1	122.5	138.9	147.1	160.4	187.1
137.5°	113.6	109.2	104.7	109.2	113.6	114.7	125.4	139.7	146.9	158.2	180.7
140°	116.7	112.6	108.6	112.6	116.7	117.7	127.2	139.9	146.2	156.0	175.5
142.5°	119.0	115.3	111.5	115.3	119.0	120.0	128.8	140.4	146.2	154.8	172.0
145°	122.7	119.3	116.1	119.3	122.7	123.4	130.7	140.4	145.2	152.2	166.2
147.5°	127.0	123.7	120.6	123.7	127.0	127.8	133.6	141.4	145.2	150.8	161.8
150°	129.4	126.4	123.5	126.4	129.4	130.1	135.1	141.9	145.2	149.9	159.2
152.5°	130.9	128.8	126.6	128.8	130.9	131.5	136.1	142.2	145.2	149.2	157.2
155°	134.4	132.7	131.1	132.7	134.4	134.8	138.2	142.9	145.2	148.4	154.8
157.5°	137.6	136.1	134.5	136.1	137.6	138.0	140.4	143.7	145.2	147.7	152.6
160°	139.2	137.9	136.8	137.9	139.2	139.5	141.4	144.0	145.2	147.3	151.5
162.5°	140.9	139.9	139.0	139.9	140.9	141.1	142.5	144.4	145.2	147.0	150.6
165°	143.2	142.3	141.5	142.3	143.2	143.4	144.0	144.8	145.2	146.5	149.1
167.5°	144.5	144.2	143.8	144.2	144.5	144.6	145.1	145.8	146.2	147.0	148.7
170°	146.0	145.6	145.2	145.6	146.0	146.1	146.1	146.2	146.2	147.0	148.7
172.5°	146.2	146.1	146.0	146.1	146.2	146.2	146.2	146.2	146.2	146.9	148.2
175°	147.1	147.1	147.1	147.1	147.1	147.1	146.8	146.4	146.2	146.6	147.5
177.5°	147.1	147.1	147.1	147.1	147.1	147.1	146.9	146.6	146.4	146.7	147.4
180°	147.1	147.1	147.1	147.1	147.1	147.1	147.1	147.1	147.1	147.1	147.1

TEST NUMBER: P934183

CATALOG NUMBER: SQ4-FA-025U-125D-B2750-1D-UNV-W2A-W-4-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8
2.5°	1702.0	1697.0	1703.7	1685.3	1703.7	1697.0	1702.0	1713.7	1703.7	1710.3	1717.0
5°	1493.4	1485.1	1458.4	1436.7	1458.4	1485.1	1493.4	1528.5	1545.2	1575.2	1615.3
7.5°	1334.9	1328.2	1321.5	1308.2	1321.5	1328.2	1334.9	1344.9	1361.6	1388.3	1418.4
10°	1299.8	1301.5	1311.6	1309.9	1311.6	1301.5	1299.8	1296.5	1291.6	1296.5	1314.8
12.5°	1390.0	1405.0	1460.1	1456.7	1460.1	1405.0	1390.0	1323.2	1278.2	1269.9	1273.1
15°	1493.4	1498.4	1510.2	1511.7	1510.2	1498.4	1493.4	1466.8	1331.6	1273.1	1254.8
17.5°	1503.5	1505.1	1513.4	1513.4	1513.4	1505.1	1503.5	1491.7	1446.7	1368.3	1264.8
20°	1495.1	1498.4	1515.1	1518.4	1515.1	1498.4	1495.1	1480.1	1455.0	1426.6	1348.3
22.5°	1491.7	1498.4	1511.7	1510.2	1511.7	1498.4	1491.7	1468.4	1446.7	1426.6	1395.0
25°	1475.1	1475.1	1476.7	1478.4	1476.7	1475.1	1475.1	1456.7	1413.3	1408.3	1390.0
27.5°	1440.1	1443.4	1453.4	1451.7	1453.4	1443.4	1440.1	1433.3	1386.6	1381.6	1368.3
30°	1408.3	1405.0	1396.7	1390.0	1396.7	1405.0	1408.3	1398.3	1351.6	1338.2	1341.6
32.5°	1355.0	1346.6	1338.2	1333.3	1338.2	1346.6	1355.0	1351.6	1316.5	1298.2	1301.5
35°	1291.6	1293.1	1291.6	1286.5	1291.6	1293.1	1291.6	1294.8	1273.1	1256.5	1254.8
37.5°	1246.5	1249.8	1248.2	1241.5	1248.2	1249.8	1246.5	1243.1	1213.1	1208.0	1211.4
40°	1199.8	1201.4	1199.8	1194.7	1199.8	1201.4	1199.8	1193.1	1151.4	1153.0	1164.7
42.5°	1154.7	1153.0	1148.0	1144.6	1148.0	1153.0	1154.7	1144.6	1091.3	1086.3	1108.0
45°	1102.9	1104.6	1094.7	1089.6	1094.7	1104.6	1102.9	1096.3	1041.2	1027.9	1042.9
47.5°	1051.3	1051.3	1042.9	1037.9	1042.9	1051.3	1051.3	1042.9	984.5	971.1	979.5
50°	996.2	994.5	982.8	981.2	982.8	994.5	996.2	991.1	929.4	917.8	917.8
52.5°	932.8	932.8	934.4	937.8	934.4	932.8	932.8	934.4	879.4	867.7	864.3
55°	877.7	879.4	891.0	894.4	891.0	879.4	877.7	877.7	827.6	815.9	809.3
57.5°	820.9	820.9	829.3	829.3	829.3	820.9	820.9	817.6	769.3	759.2	755.9
60°	755.9	759.2	765.9	764.2	765.9	759.2	755.9	752.5	710.8	704.2	692.5
62.5°	687.4	690.8	692.5	689.1	692.5	690.8	687.4	677.5	652.4	647.4	632.4
65°	615.8	619.1	620.7	617.4	620.7	619.1	615.8	610.7	592.4	584.0	570.7
67.5°	542.3	540.6	538.9	545.7	538.9	540.6	542.3	535.6	524.0	517.3	498.9
70°	467.2	467.2	465.6	468.8	465.6	467.2	467.2	462.2	455.5	450.5	433.8
72.5°	387.1	385.4	392.1	387.1	392.1	385.4	387.1	385.4	382.1	377.1	360.4
75°	308.7	312.1	308.7	313.7	308.7	312.1	308.7	310.4	308.7	305.4	293.6
77.5°	235.3	238.6	235.3	235.3	235.3	238.6	235.3	236.9	236.9	236.9	227.0
80°	166.8	165.2	165.2	163.5	165.2	165.2	166.8	166.8	168.5	165.2	161.9
82.5°	106.8	105.1	105.1	108.5	105.1	105.1	106.8	108.5	105.1	105.1	105.1
85°	58.4	60.0	56.7	56.7	56.7	60.0	58.4	55.0	58.4	58.4	56.7
87.5°	21.7	20.0	20.0	20.0	20.0	20.0	21.7	23.4	23.4	23.4	25.0
90°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	5.0	6.7	7.5	6.4
92.5°	18.7	17.9	15.0	12.0	15.0	17.9	18.7	26.6	37.1	42.3	37.2
95°	63.7	61.4	52.5	43.4	52.5	61.4	63.7	83.6	110.2	123.5	104.3
97.5°	147.0	142.7	125.5	108.4	125.5	142.7	147.0	159.6	176.5	184.9	152.8
100°	206.5	201.3	180.9	160.4	180.9	201.3	206.5	205.6	204.3	203.7	168.2
102.5°	257.2	252.8	235.3	217.7	235.3	252.8	257.2	241.2	219.8	209.0	173.0
105°	316.5	314.1	304.8	295.3	304.8	314.1	316.5	280.5	232.5	208.4	173.5
107.5°	347.4	348.0	350.2	352.5	350.2	348.0	347.4	297.1	230.1	196.6	165.8
110°	355.3	357.7	367.5	377.3	367.5	357.7	355.3	299.1	224.2	186.7	159.0

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	350.2	354.0	369.1	384.1	369.1	354.0	350.2	292.7	216.1	177.8	153.0
115°	333.1	338.3	359.3	380.2	359.3	338.3	333.1	277.8	203.9	167.0	146.2
117.5°	309.5	315.3	338.5	361.8	338.5	315.3	309.5	259.5	193.0	159.6	141.9
120°	293.6	299.3	321.8	344.3	321.8	299.3	293.6	248.0	187.0	156.6	140.4
122.5°	277.7	283.2	305.5	327.7	305.5	283.2	277.7	236.5	181.7	154.3	139.6
125°	256.7	261.8	282.3	302.8	282.3	261.8	256.7	221.8	175.1	151.8	139.0
127.5°	239.8	244.1	261.4	278.6	261.4	244.1	239.8	209.8	169.8	149.8	138.6
130°	229.1	233.1	249.1	265.0	249.1	233.1	229.1	202.4	166.8	149.0	138.9
132.5°	220.1	223.6	237.9	252.2	237.9	223.6	220.1	196.1	164.3	148.3	139.0
135°	207.2	210.2	222.6	235.0	222.6	210.2	207.2	187.1	160.4	147.1	138.9
137.5°	197.7	200.3	210.3	220.5	210.3	200.3	197.7	180.7	158.2	146.9	139.7
140°	190.1	192.5	201.8	211.3	201.8	192.5	190.1	175.5	156.0	146.2	139.9
142.5°	184.8	186.8	194.9	203.0	194.9	186.8	184.8	172.0	154.8	146.2	140.4
145°	176.8	178.4	184.5	190.6	184.5	178.4	176.8	166.2	152.2	145.2	140.4
147.5°	170.1	171.4	176.4	181.5	176.4	171.4	170.1	161.8	150.8	145.2	141.4
150°	166.2	167.2	171.4	175.5	171.4	167.2	166.2	159.2	149.9	145.2	141.9
152.5°	163.2	164.0	167.0	170.2	167.0	164.0	163.2	157.2	149.2	145.2	142.2
155°	159.5	160.0	162.1	164.2	162.1	160.0	159.5	154.8	148.4	145.2	142.9
157.5°	156.3	156.7	158.2	159.6	158.2	156.7	156.3	152.6	147.7	145.2	143.7
160°	154.7	154.9	155.8	156.6	155.8	154.9	154.7	151.5	147.3	145.2	144.0
162.5°	153.2	153.4	154.2	155.0	154.2	153.4	153.2	150.6	147.0	145.2	144.4
165°	151.0	151.2	152.0	152.8	152.0	151.2	151.0	149.1	146.5	145.2	144.8
167.5°	150.0	150.1	150.4	150.8	150.4	150.1	150.0	148.7	147.0	146.2	145.8
170°	150.0	150.0	150.0	150.0	150.0	150.0	150.0	148.7	147.0	146.2	146.2
172.5°	149.2	149.1	148.8	148.5	148.8	149.1	149.2	148.2	146.9	146.2	146.2
175°	148.1	148.1	148.1	148.1	148.1	148.1	148.1	147.5	146.6	146.2	146.4
177.5°	147.9	147.8	147.5	147.1	147.5	147.8	147.9	147.4	146.7	146.4	146.6
180°	147.1	147.1	147.1	147.1	147.1	147.1	147.1	147.1	147.1	147.1	147.1

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CATALOG NUMBER: SQ4-FA-025U-125D-B2750-1D-UNV-W2A-W-4-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1763.8	1763.8	1763.8	1763.8	1763.8
2.5°	1742.1	1750.3	1755.4	1762.1	1778.7
5°	1675.3	1707.0	1717.0	1742.1	1772.0
7.5°	1528.5	1625.2	1651.9	1712.0	1758.7
10°	1386.6	1483.4	1530.2	1672.0	1742.1
12.5°	1314.8	1371.6	1403.3	1601.9	1718.7
15°	1269.9	1309.9	1333.3	1508.5	1692.0
17.5°	1234.8	1263.2	1279.8	1416.7	1655.3
20°	1213.1	1226.5	1241.5	1349.9	1613.6
22.5°	1198.1	1189.7	1201.4	1303.2	1556.8
25°	1188.0	1156.4	1169.7	1266.5	1490.0
27.5°	1196.4	1126.3	1131.3	1233.1	1420.0
30°	1198.1	1089.6	1091.3	1198.1	1341.6
32.5°	1186.4	1051.3	1052.9	1154.7	1253.1
35°	1158.1	1006.2	1004.5	1104.6	1133.0
37.5°	1119.6	957.8	957.8	1049.6	1001.2
40°	1073.0	909.4	914.4	977.8	884.3
42.5°	1016.2	857.7	864.3	882.7	797.6
45°	954.4	807.6	812.7	745.9	730.8
47.5°	886.0	755.9	757.5	619.1	709.1
50°	804.3	702.5	695.8	530.7	707.5
52.5°	732.5	644.1	624.0	480.6	642.4
55°	662.5	582.3	538.9	442.2	595.7
57.5°	600.7	502.3	460.6	397.2	585.7
60°	544.0	423.8	392.1	348.7	537.3
62.5°	497.2	365.4	358.7	315.3	487.3
65°	447.2	325.4	323.7	287.0	413.8
67.5°	398.8	298.7	297.0	260.3	315.3
70°	347.1	270.4	267.0	231.9	233.6
72.5°	293.6	238.6	235.3	208.5	193.6
75°	240.3	201.9	200.3	181.9	156.9
77.5°	188.5	160.2	163.5	146.8	115.2
80°	135.2	116.8	120.1	105.1	86.8
82.5°	90.1	76.7	80.1	66.8	58.4
85°	50.1	43.4	45.1	35.0	26.7
87.5°	23.4	20.0	20.0	13.3	8.4
90°	4.3	2.8	2.6	1.8	1.0
92.5°	26.8	19.0	17.4	10.6	3.9
95°	66.0	37.2	34.1	21.8	9.5
97.5°	88.8	40.8	38.1	27.2	16.4
100°	97.1	43.9	41.4	31.6	21.7
102.5°	101.0	46.9	44.7	35.4	26.2
105°	103.8	51.5	49.5	41.8	34.0
107.5°	104.3	58.2	56.4	49.1	41.9
110°	103.5	61.9	60.2	53.7	47.2



TEST NUMBER: P934183

CATALOG NUMBER: SQ4-FA-025U-125D-B2750-1D-UNV-W2A-W-4-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	103.5	66.5	64.9	58.7	52.5
115°	104.5	73.3	71.8	66.1	60.3
117.5°	106.5	79.9	78.6	73.4	68.1
120°	108.0	83.7	82.5	77.6	72.7
122.5°	110.2	88.2	87.0	82.0	77.1
125°	113.4	94.2	93.0	88.4	83.9
127.5°	116.4	99.8	98.6	94.1	89.4
130°	118.7	103.5	102.2	97.3	92.4
132.5°	120.5	106.6	105.4	100.5	95.5
135°	122.5	110.1	109.1	104.5	100.1
137.5°	125.4	114.7	113.6	109.2	104.7
140°	127.2	117.7	116.7	112.6	108.6
142.5°	128.8	120.0	119.0	115.3	111.5
145°	130.7	123.4	122.7	119.3	116.1
147.5°	133.6	127.8	127.0	123.7	120.6
150°	135.1	130.1	129.4	126.4	123.5
152.5°	136.1	131.5	130.9	128.8	126.6
155°	138.2	134.8	134.4	132.7	131.1
157.5°	140.4	138.0	137.6	136.1	134.5
160°	141.4	139.5	139.2	137.9	136.8
162.5°	142.5	141.1	140.9	139.9	139.0
165°	144.0	143.4	143.2	142.3	141.5
167.5°	145.1	144.6	144.5	144.2	143.8
170°	146.1	146.1	146.0	145.6	145.2
172.5°	146.2	146.2	146.2	146.1	146.0
175°	146.8	147.1	147.1	147.1	147.1
177.5°	146.9	147.1	147.1	147.1	147.1
180°	147.1	147.1	147.1	147.1	147.1

TEST NUMBER: P934183

CATALOG NUMBER: SQ4-FA-025U-125D-B2750-1D-UNV-W2A-W-4-3000K

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	17.12	18.38	17.73	19.00	19.71	19.91	21.17	20.53	21.80	22.51
	3H	17.62	18.75	18.25	19.39	20.14	21.28	22.41	21.91	23.05	23.79
	4H	17.83	18.90	18.48	19.55	20.31	21.73	22.80	22.38	23.45	24.21
	6H	17.97	18.96	18.63	19.62	20.39	22.03	23.02	22.69	23.68	24.45
	8H	17.98	18.92	18.66	19.60	20.38	22.11	23.05	22.79	23.73	24.51
	12H	17.97	18.87	18.65	19.54	20.35	22.16	23.06	22.84	23.73	24.54
4H	2H	18.19	19.26	18.84	19.90	20.66	20.37	21.44	21.02	22.09	22.85
	3H	19.25	20.14	19.91	20.83	21.61	21.90	22.79	22.57	23.48	24.26
	4H	19.54	20.35	20.22	21.04	21.85	22.44	23.25	23.12	23.94	24.75
	6H	19.69	20.39	20.39	21.11	21.93	22.82	23.52	23.52	24.24	25.06
	8H	19.71	20.36	20.41	21.07	21.91	22.93	23.59	23.64	24.30	25.13
	12H	19.69	20.28	20.42	21.02	21.86	23.00	23.59	23.73	24.33	25.17
8H	4H	20.02	20.68	20.73	21.39	22.22	22.60	23.25	23.30	23.97	24.80
	6H	20.30	20.84	21.04	21.60	22.44	23.04	23.59	23.78	24.34	25.18
	8H	20.35	20.83	21.10	21.59	22.44	23.19	23.68	23.94	24.44	25.29
	12H	20.35	20.78	21.10	21.52	22.44	23.30	23.73	24.05	24.48	25.39
12H	4H	20.05	20.64	20.77	21.37	22.21	22.58	23.17	23.31	23.91	24.75
	6H	20.36	20.85	21.11	21.61	22.46	23.04	23.53	23.79	24.29	25.14
	8H	20.45	20.88	21.20	21.62	22.54	23.22	23.65	23.97	24.39	25.31

END OF REPORT