

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: P934982

Luminaire Tested: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-4-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934982
REPORT IS A COMBINATION OF REPORTS P933718 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-4-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

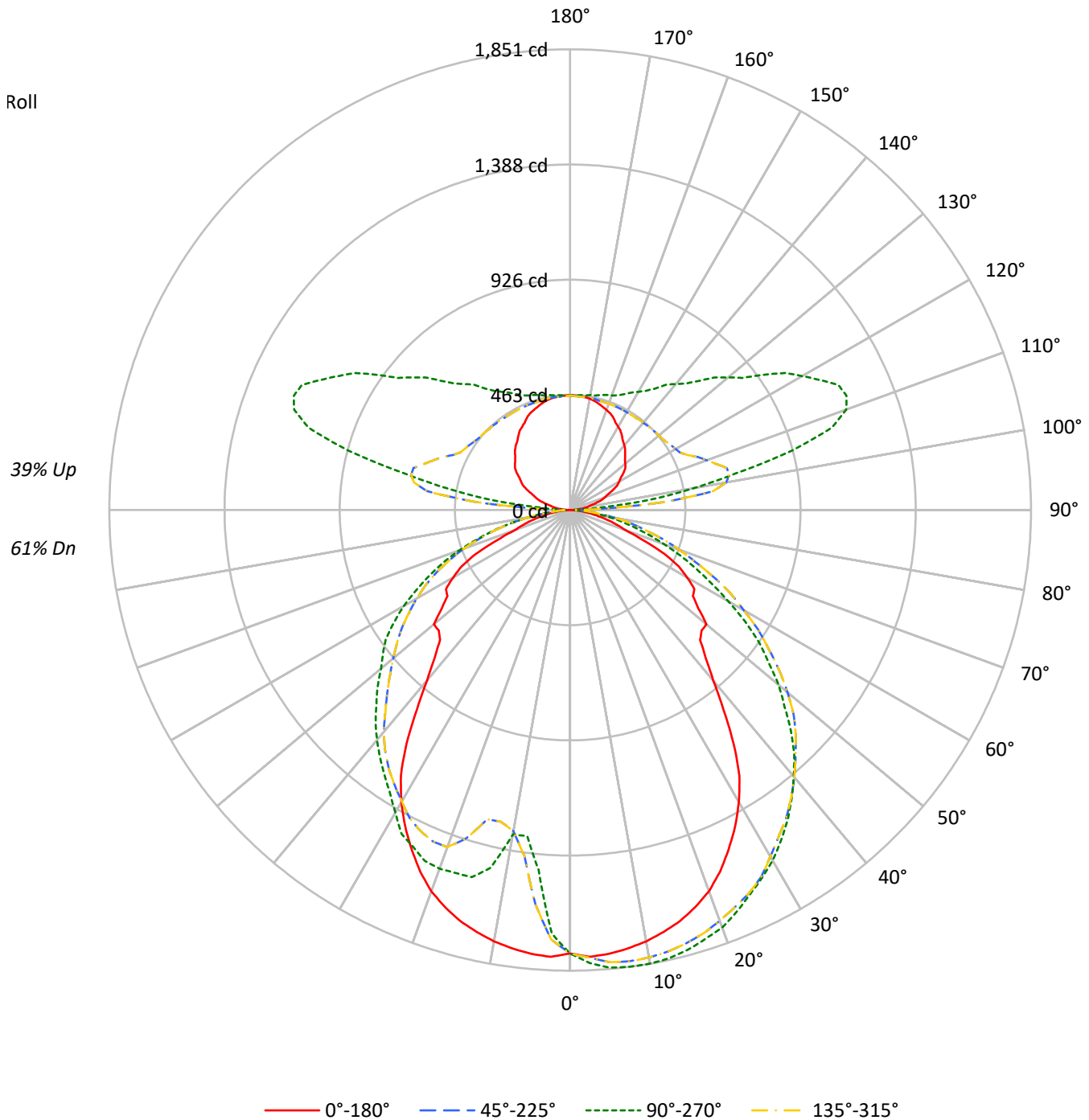
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7603.5 lumens
Efficiency: N/A
Efficacy: 122.6 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): 62
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	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	66	66	61
1	100	96	92	88	94	90	86	83	79	76	74	68	66	65	59	57	56	56	56	51
2	91	84	78	72	85	79	73	68	69	65	61	60	57	54	52	49	47	47	47	43
3	83	74	66	60	78	69	63	57	61	56	51	53	49	46	46	43	40	40	40	36
4	76	65	57	51	71	61	54	49	54	48	44	47	43	39	41	37	35	35	35	31
5	70	58	50	44	65	55	47	42	48	42	38	42	38	34	37	33	30	30	30	27
6	65	52	44	38	60	49	42	36	44	37	33	38	33	30	33	29	26	26	26	24
7	60	47	39	33	56	45	37	32	39	33	29	35	30	26	30	26	23	23	23	21
8	55	43	35	29	52	40	33	28	36	30	26	32	27	23	28	24	21	21	21	19
9	52	39	31	26	48	37	30	25	33	27	23	29	24	21	26	22	19	19	19	17
10	48	36	29	24	45	34	27	23	30	25	21	27	22	19	24	20	17	17	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16532	16532	16532	16532
5°	16637	16689	16637	13123
10°	16508	16439	16508	11753
15°	16309	16083	16309	13429
20°	15951	15661	15951	13457
25°	15233	15045	15233	13172
30°	14314	14535	14314	12547
35°	12742	13889	12742	11858
40°	10598	13127	10598	11339
45°	9451	12238	9451	10741
50°	10017	11175	10017	10140
55°	9400	10031	9400	9794
60°	9654	8520	9654	8970
65°	8711	7043	8711	7873
70°	5991	5613	5991	6598
75°	5198	4148	5198	4968
80°	4100	2743	4100	2985
85°	2236	1452	2236	1235

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14514 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.8	2.1
10°-20°	456.6	6.0
20°-30°	705.9	9.3
30°-40°	842.6	11.1
40°-50°	847.6	11.1
50°-60°	737.5	9.7
60°-70°	522.9	6.9
70°-80°	276.6	3.6
80°-90°	70.7	0.9
90°-100°	224.3	2.9
100°-110°	589.6	7.8
110°-120°	611.3	8.0
120°-130°	490.4	6.4
130°-140°	384.8	5.1
140°-150°	295.3	3.9
150°-160°	212.7	2.8
160°-170°	130.1	1.7
170°-180°	44.0	0.6
0°-30°	1323.3	17.4
0°-40°	2165.9	28.5
0°-60°	3751.0	49.3
0°-90°	4621.2	60.8
90°-120°	1425.1	18.7
90°-150°	2595.5	34.1
90°-180°	2982.0	39.2
0°-180°	7603.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1782	1782	1782	1782	1782	
5°	1790	1846	1790	1451	1790	170
15°	1709	1829	1709	1527	1709	481
25°	1505	1706	1505	1493	1505	691
35°	1144	1522	1144	1300	1144	708
45°	738	1254	738	1101	738	591
55°	602	925	602	904	602	553
65°	418	558	418	624	418	399
75°	158	265	158	317	158	167
85°	27	67	27	57	27	36
90°	3	12	3	12	3	4
95°	30	136	30	136	30	33
105°	106	923	106	923	106	113
115°	189	1189	189	1189	189	186
125°	262	947	262	947	262	233
135°	313	735	313	735	313	242
145°	363	596	363	596	363	227
155°	410	513	410	513	410	188
165°	442	478	442	478	442	125
175°	460	463	460	463	460	44
180°	460	460	460	460	460	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6
2.5°	1796.8	1796.8	1806.9	1810.3	1810.3	1805.2	1800.2	1805.2	1820.4	1825.5	1823.8
5°	1790.0	1803.6	1822.1	1825.5	1828.9	1827.2	1823.8	1827.2	1844.0	1847.4	1849.1
7.5°	1776.6	1801.9	1825.5	1830.5	1835.5	1830.5	1828.9	1832.2	1849.1	1852.5	1852.5
10°	1759.7	1795.1	1822.1	1825.5	1830.5	1825.5	1825.5	1832.2	1849.1	1852.5	1854.2
12.5°	1736.1	1785.0	1810.3	1813.6	1820.4	1818.7	1817.0	1823.8	1840.6	1844.0	1844.0
15°	1709.1	1766.5	1790.0	1793.4	1805.2	1801.9	1801.9	1808.6	1827.2	1832.2	1830.5
17.5°	1672.1	1742.9	1769.8	1774.9	1783.3	1781.6	1783.3	1790.0	1806.9	1810.3	1811.9
20°	1630.0	1710.8	1742.9	1747.9	1756.3	1756.3	1756.3	1764.8	1781.6	1788.4	1788.4
22.5°	1572.6	1677.2	1710.8	1714.2	1724.3	1724.3	1727.7	1739.5	1754.7	1756.3	1756.3
25°	1505.2	1640.0	1668.7	1678.9	1688.9	1694.0	1699.1	1705.7	1710.8	1709.1	1710.8
27.5°	1434.4	1592.8	1630.0	1636.6	1650.2	1655.3	1661.9	1663.6	1665.3	1670.4	1667.0
30°	1355.2	1527.1	1582.7	1589.5	1611.4	1614.7	1608.0	1611.4	1619.8	1623.2	1626.6
32.5°	1265.8	1429.4	1533.8	1549.0	1569.3	1559.1	1557.4	1562.5	1576.0	1576.0	1579.4
35°	1144.5	1353.5	1488.3	1501.9	1517.0	1505.2	1511.9	1513.6	1522.1	1527.1	1525.5
37.5°	1011.3	1287.7	1441.1	1451.3	1463.0	1447.9	1458.0	1463.0	1469.8	1466.4	1466.4
40°	893.3	1184.9	1385.5	1392.3	1402.4	1390.6	1400.7	1404.1	1407.4	1404.1	1402.4
42.5°	805.7	1072.0	1326.6	1334.9	1328.2	1336.6	1340.0	1346.8	1341.7	1334.9	1334.9
45°	738.2	1041.7	1262.4	1272.6	1262.4	1276.0	1281.1	1281.1	1265.8	1262.4	1260.8
47.5°	716.3	981.0	1198.4	1198.4	1193.4	1210.2	1218.6	1206.9	1191.7	1186.6	1186.6
50°	714.6	913.5	1110.7	1104.1	1127.7	1147.9	1139.4	1127.7	1115.8	1097.3	1097.3
52.5°	648.9	831.0	997.9	1023.1	1060.2	1072.0	1058.5	1046.7	1026.5	1018.1	1011.3
55°	601.8	745.0	895.0	945.6	984.3	999.5	974.3	962.4	932.2	927.1	923.7
57.5°	591.6	620.3	800.7	864.7	911.8	910.2	895.0	873.1	847.8	842.8	841.1
60°	542.7	448.4	699.5	775.4	824.2	819.2	805.7	785.4	761.8	758.5	755.2
62.5°	492.2	325.3	584.9	670.8	739.9	738.2	726.5	696.1	679.3	670.8	664.1
65°	418.0	273.1	416.3	558.0	657.4	660.7	635.4	613.5	595.0	584.9	583.2
67.5°	318.5	222.5	281.5	465.2	578.2	574.8	542.7	532.7	509.1	504.0	493.9
70°	236.0	148.3	195.5	377.6	500.6	492.2	466.9	455.1	433.2	421.4	414.6
72.5°	195.5	119.7	143.2	293.3	421.4	411.2	389.3	375.9	357.4	347.2	340.4
75°	158.5	126.4	109.6	217.4	342.1	335.5	315.2	301.7	286.5	273.1	274.7
77.5°	116.3	118.0	87.6	160.2	271.4	261.3	249.5	232.6	225.9	212.3	212.3
80°	87.6	92.7	65.7	109.6	195.5	195.5	185.5	173.6	161.8	155.1	155.1
82.5°	59.0	59.0	48.9	69.1	133.2	128.1	121.3	118.0	111.3	107.9	107.9
85°	27.0	33.7	30.4	42.1	72.5	75.9	75.9	72.5	70.8	67.4	69.1
87.5°	8.5	15.1	18.5	23.6	37.1	38.7	40.4	40.4	40.4	42.1	42.1
90°	3.1	5.6	8.1	8.7	13.6	20.2	23.5	20.9	15.6	11.8	11.8
92.5°	12.4	33.4	54.3	59.6	83.8	116.0	132.2	115.8	83.2	58.7	56.4
95°	29.7	68.1	106.6	116.1	206.2	326.2	386.2	344.6	261.4	199.1	192.0
97.5°	51.3	85.2	119.0	127.5	277.7	477.9	578.0	551.7	499.2	459.8	446.3
100°	67.9	98.6	129.4	137.0	303.7	525.9	636.9	638.8	642.7	645.6	629.6
102.5°	82.2	110.9	139.4	146.6	315.6	541.0	653.7	687.1	754.1	804.3	790.5
105°	106.2	130.5	154.8	160.9	324.5	542.7	651.8	726.9	877.0	989.5	982.2
107.5°	130.9	153.6	176.2	181.9	326.2	518.5	614.7	719.4	928.8	1085.8	1087.6
110°	147.6	168.0	188.5	193.6	323.7	497.1	583.9	700.9	934.9	1110.5	1118.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	163.9	183.5	202.9	207.8	323.8	478.5	555.8	675.6	915.1	1094.8	1106.7
115°	188.6	206.6	224.6	229.1	326.8	457.0	522.1	637.5	868.3	1041.4	1057.8
117.5°	213.0	229.4	245.7	249.8	332.9	443.5	498.9	603.1	811.3	967.6	985.7
120°	227.3	242.6	258.0	261.8	337.7	439.0	489.6	584.9	775.2	917.9	935.5
122.5°	241.1	256.7	272.1	276.0	344.8	436.6	482.6	568.2	739.6	868.2	885.6
125°	262.4	276.6	290.7	294.2	354.5	434.8	474.9	547.7	693.3	802.5	818.5
127.5°	279.8	294.0	308.3	311.8	364.0	433.7	468.4	531.0	656.0	749.7	763.2
130°	289.0	304.4	319.7	323.6	371.0	434.3	465.9	521.6	632.9	716.3	728.8
132.5°	298.6	313.9	329.3	333.2	376.7	434.8	463.7	513.5	613.2	687.9	699.1
135°	312.7	326.7	340.7	344.2	382.9	434.4	460.1	501.8	585.2	647.8	657.5
137.5°	327.3	341.1	355.0	358.5	392.1	437.0	459.5	494.7	565.2	618.1	626.0
140°	339.3	352.1	364.8	368.0	397.8	437.4	457.3	487.7	548.6	594.3	601.7
142.5°	348.6	360.4	372.1	375.1	402.5	439.0	457.3	484.1	537.5	577.7	584.1
145°	362.7	373.1	383.4	386.0	408.7	439.0	454.2	476.1	519.8	552.7	557.5
147.5°	377.0	386.9	397.0	399.5	417.7	442.0	454.2	471.4	505.9	531.7	535.6
150°	386.2	395.3	404.4	406.7	422.5	443.6	454.2	468.7	497.8	519.6	522.8
152.5°	395.8	402.7	409.6	411.2	425.6	444.6	454.2	466.6	491.4	510.1	512.4
155°	410.1	415.1	420.1	421.4	432.4	446.9	454.2	464.0	483.8	498.6	500.2
157.5°	420.5	425.5	430.5	431.7	439.1	449.2	454.2	461.8	477.2	488.7	489.8
160°	427.6	431.5	435.3	436.2	442.2	450.2	454.2	460.7	474.0	483.9	484.5
162.5°	434.8	437.6	440.5	441.2	445.5	451.3	454.2	459.8	470.8	479.2	479.8
165°	442.4	445.0	447.6	448.3	450.3	452.9	454.2	458.2	466.1	472.1	472.8
167.5°	449.5	450.7	452.0	452.3	454.0	456.2	457.3	459.9	465.1	469.0	469.3
170°	454.2	455.4	456.7	457.0	457.1	457.2	457.3	459.9	465.1	469.0	469.0
172.5°	456.7	457.0	457.2	457.3	457.3	457.3	457.3	459.4	463.4	466.5	466.3
175°	460.1	460.1	460.1	460.1	459.2	457.9	457.3	458.6	461.1	463.1	463.1
177.5°	460.1	460.1	460.1	460.1	459.4	458.4	457.9	458.9	460.9	462.5	462.2
180°	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6
2.5°	1827.2	1822.1	1827.2	1823.8	1825.5	1820.4	1805.2	1800.2	1805.2	1810.3	1810.3
5°	1849.1	1845.7	1849.1	1849.1	1847.4	1844.0	1827.2	1823.8	1827.2	1828.9	1825.5
7.5°	1855.7	1850.8	1855.7	1852.5	1852.5	1849.1	1832.2	1828.9	1830.5	1835.5	1830.5
10°	1855.7	1850.8	1855.7	1854.2	1852.5	1849.1	1832.2	1825.5	1825.5	1830.5	1825.5
12.5°	1847.4	1844.0	1847.4	1844.0	1844.0	1840.6	1823.8	1817.0	1818.7	1820.4	1813.6
15°	1833.8	1828.9	1833.8	1830.5	1832.2	1827.2	1808.6	1801.9	1801.9	1805.2	1793.4
17.5°	1813.6	1806.9	1813.6	1811.9	1810.3	1806.9	1790.0	1783.3	1781.6	1783.3	1774.9
20°	1790.0	1785.0	1790.0	1788.4	1788.4	1781.6	1764.8	1756.3	1756.3	1756.3	1747.9
22.5°	1753.0	1747.9	1753.0	1756.3	1756.3	1754.7	1739.5	1727.7	1724.3	1724.3	1714.2
25°	1710.8	1705.7	1710.8	1710.8	1709.1	1710.8	1705.7	1699.1	1694.0	1688.9	1678.9
27.5°	1670.4	1667.0	1670.4	1667.0	1670.4	1665.3	1663.6	1661.9	1655.3	1650.2	1636.6
30°	1630.0	1626.6	1630.0	1626.6	1623.2	1619.8	1611.4	1608.0	1614.7	1611.4	1589.5
32.5°	1579.4	1576.0	1579.4	1579.4	1576.0	1576.0	1562.5	1557.4	1559.1	1569.3	1549.0
35°	1527.1	1522.1	1527.1	1525.5	1527.1	1522.1	1513.6	1511.9	1505.2	1517.0	1501.9
37.5°	1466.4	1461.3	1466.4	1466.4	1466.4	1469.8	1463.0	1458.0	1447.9	1463.0	1451.3
40°	1404.1	1397.3	1404.1	1402.4	1404.1	1407.4	1404.1	1400.7	1390.6	1402.4	1392.3
42.5°	1333.2	1331.6	1333.2	1334.9	1334.9	1341.7	1346.8	1340.0	1336.6	1328.2	1334.9
45°	1257.4	1254.1	1257.4	1260.8	1262.4	1265.8	1281.1	1281.1	1276.0	1262.4	1272.6
47.5°	1176.5	1168.1	1176.5	1186.6	1186.6	1191.7	1206.9	1218.6	1210.2	1193.4	1198.4
50°	1090.5	1092.2	1090.5	1097.3	1097.3	1115.8	1127.7	1139.4	1147.9	1127.7	1104.1
52.5°	1006.3	1004.6	1006.3	1011.3	1018.1	1026.5	1046.7	1058.5	1072.0	1060.2	1023.1
55°	922.0	925.4	922.0	923.7	927.1	932.2	962.4	974.3	999.5	984.3	945.6
57.5°	837.7	832.7	837.7	841.1	842.8	847.8	873.1	895.0	910.2	911.8	864.7
60°	739.9	733.3	739.9	755.2	758.5	761.8	785.4	805.7	819.2	824.2	775.4
62.5°	654.0	642.2	654.0	664.1	670.8	679.3	696.1	726.5	738.2	739.9	670.8
65°	562.9	558.0	562.9	583.2	584.9	595.0	613.5	635.4	660.7	657.4	558.0
67.5°	480.4	480.4	480.4	493.9	504.0	509.1	532.7	542.7	574.8	578.2	465.2
70°	404.6	402.9	404.6	414.6	421.4	433.2	455.1	466.9	492.2	500.6	377.6
72.5°	332.1	330.4	332.1	340.4	347.2	357.4	375.9	389.3	411.2	421.4	293.3
75°	268.0	264.6	268.0	274.7	273.1	286.5	301.7	315.2	335.5	342.1	217.4
77.5°	205.7	205.7	205.7	212.3	212.3	225.9	232.6	249.5	261.3	271.4	160.2
80°	153.4	151.7	153.4	155.1	155.1	161.8	173.6	185.5	195.5	195.5	109.6
82.5°	107.9	104.5	107.9	107.9	107.9	111.3	118.0	121.3	128.1	133.2	69.1
85°	67.4	67.4	67.4	69.1	67.4	70.8	72.5	75.9	75.9	72.5	42.1
87.5°	43.8	42.1	43.8	42.1	42.1	40.4	40.4	40.4	38.7	37.1	23.6
90°	11.8	11.8	11.8	11.8	11.8	15.6	20.9	23.5	20.2	13.6	8.7
92.5°	47.0	37.6	47.0	56.4	58.7	83.2	115.8	132.2	116.0	83.8	59.6
95°	163.8	135.6	163.8	192.0	199.1	261.4	344.6	386.2	326.2	206.2	116.1
97.5°	392.5	338.7	392.5	446.3	459.8	499.2	551.7	578.0	477.9	277.7	127.5
100°	565.5	501.4	565.5	629.6	645.6	642.7	638.8	636.9	525.9	303.7	137.0
102.5°	735.6	680.8	735.6	790.5	804.3	754.1	687.1	653.7	541.0	315.6	146.6
105°	952.7	923.2	952.7	982.2	989.5	877.0	726.9	651.8	542.7	324.5	160.9
107.5°	1094.8	1102.0	1094.8	1087.6	1085.8	928.8	719.4	614.7	518.5	326.2	181.9
110°	1149.0	1179.8	1149.0	1118.2	1110.5	934.9	700.9	583.9	497.1	323.7	193.6



TEST NUMBER: P934982

CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1153.9	1201.1	1153.9	1106.7	1094.8	915.1	675.6	555.8	478.5	323.8	207.8
115°	1123.3	1188.7	1123.3	1057.8	1041.4	868.3	637.5	522.1	457.0	326.8	229.1
117.5°	1058.3	1131.0	1058.3	985.7	967.6	811.3	603.1	498.9	443.5	332.9	249.8
120°	1006.1	1076.6	1006.1	935.5	917.9	775.2	584.9	489.6	439.0	337.7	261.8
122.5°	955.2	1024.8	955.2	885.6	868.2	739.6	568.2	482.6	436.6	344.8	276.0
125°	882.6	946.6	882.6	818.5	802.5	693.3	547.7	474.9	434.8	354.5	294.2
127.5°	817.2	871.3	817.2	763.2	749.7	656.0	531.0	468.4	433.7	364.0	311.8
130°	778.8	828.7	778.8	728.8	716.3	632.9	521.6	465.9	434.3	371.0	323.6
132.5°	743.8	788.5	743.8	699.1	687.9	613.2	513.5	463.7	434.8	376.7	333.2
135°	696.0	734.6	696.0	657.5	647.8	585.2	501.8	460.1	434.4	382.9	344.2
137.5°	657.6	689.1	657.6	626.0	618.1	565.2	494.7	459.5	437.0	392.1	358.5
140°	631.3	660.7	631.3	601.7	594.3	548.6	487.7	457.3	437.4	397.8	368.0
142.5°	609.4	634.8	609.4	584.1	577.7	537.5	484.1	457.3	439.0	402.5	375.1
145°	576.7	595.9	576.7	557.5	552.7	519.8	476.1	454.2	439.0	408.7	386.0
147.5°	551.6	567.5	551.6	535.6	531.7	505.9	471.4	454.2	442.0	417.7	399.5
150°	535.7	548.7	535.7	522.8	519.6	497.8	468.7	454.2	443.6	422.5	406.7
152.5°	522.2	532.0	522.2	512.4	510.1	491.4	466.6	454.2	444.6	425.6	411.2
155°	506.7	513.1	506.7	500.2	498.6	483.8	464.0	454.2	446.9	432.4	421.4
157.5°	494.4	498.9	494.4	489.8	488.7	477.2	461.8	454.2	449.2	439.1	431.7
160°	487.0	489.6	487.0	484.5	483.9	474.0	460.7	454.2	450.2	442.2	436.2
162.5°	482.3	484.8	482.3	479.8	479.2	470.8	459.8	454.2	451.3	445.5	441.2
165°	475.4	478.0	475.4	472.8	472.1	466.1	458.2	454.2	452.9	450.3	448.3
167.5°	470.4	471.5	470.4	469.3	469.0	465.1	459.9	457.3	456.2	454.0	452.3
170°	469.0	469.0	469.0	469.0	469.0	465.1	459.9	457.3	457.2	457.1	457.0
172.5°	465.3	464.3	465.3	466.3	466.5	463.4	459.4	457.3	457.3	457.3	457.3
175°	463.1	463.1	463.1	463.1	463.1	461.1	458.6	457.3	457.9	459.2	460.1
177.5°	461.1	460.1	461.1	462.2	462.5	460.9	458.9	457.9	458.4	459.4	460.1
180°	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1



TEST NUMBER: P934982

CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6
2.5°	1806.9	1796.8	1796.8	1780.0	1773.2	1768.1	1759.7	1734.4	1727.7	1721.0	1731.0
5°	1822.1	1803.6	1790.0	1759.7	1734.4	1724.3	1692.3	1631.6	1591.2	1560.8	1544.0
7.5°	1825.5	1801.9	1776.6	1729.4	1668.7	1641.7	1544.0	1432.7	1402.4	1375.4	1358.5
10°	1822.1	1795.1	1759.7	1688.9	1545.7	1498.5	1400.7	1328.2	1309.6	1304.7	1309.6
12.5°	1810.3	1785.0	1736.1	1618.1	1417.5	1385.5	1328.2	1286.0	1282.7	1291.1	1336.6
15°	1790.0	1766.5	1709.1	1523.8	1346.8	1323.2	1282.7	1267.5	1286.0	1345.1	1481.6
17.5°	1769.8	1742.9	1672.1	1431.1	1292.8	1276.0	1247.3	1277.7	1382.1	1461.3	1506.8
20°	1742.9	1710.8	1630.0	1363.6	1254.1	1238.9	1225.4	1361.9	1441.1	1469.8	1495.1
22.5°	1710.8	1677.2	1572.6	1316.4	1213.6	1201.8	1210.2	1409.1	1441.1	1461.3	1483.2
25°	1668.7	1640.0	1505.2	1279.4	1181.6	1168.1	1200.1	1404.1	1422.6	1427.7	1471.5
27.5°	1630.0	1592.8	1434.4	1245.6	1142.8	1137.7	1208.5	1382.1	1395.6	1400.7	1447.9
30°	1582.7	1527.1	1355.2	1210.2	1102.4	1100.7	1210.2	1355.2	1351.8	1365.3	1412.5
32.5°	1533.8	1429.4	1265.8	1166.4	1063.6	1061.9	1198.4	1314.7	1311.3	1329.9	1365.3
35°	1488.3	1353.5	1144.5	1115.8	1014.7	1016.4	1169.8	1267.5	1269.2	1286.0	1307.9
37.5°	1441.1	1287.7	1011.3	1060.2	967.5	967.5	1131.0	1223.7	1220.3	1225.4	1255.8
40°	1385.5	1184.9	893.3	987.7	923.7	918.6	1083.8	1176.5	1164.7	1163.0	1205.2
42.5°	1326.6	1072.0	805.7	891.6	873.1	866.4	1026.5	1119.2	1097.3	1102.4	1156.3
45°	1262.4	1041.7	738.2	753.5	820.9	815.8	964.1	1053.5	1038.3	1051.8	1107.5
47.5°	1198.4	981.0	716.3	625.4	765.2	763.5	895.0	989.4	981.0	994.5	1053.5
50°	1110.7	913.5	714.6	536.0	702.9	709.6	812.4	927.1	927.1	938.8	1001.2
52.5°	997.9	831.0	648.9	485.5	630.4	650.6	739.9	873.1	876.5	888.3	943.9
55°	895.0	745.0	601.8	446.7	544.4	588.2	669.2	817.5	824.2	836.0	886.6
57.5°	800.7	620.3	591.6	401.2	465.2	507.4	606.8	763.5	766.9	777.1	825.9
60°	699.5	448.4	542.7	352.3	396.1	428.1	549.5	699.5	711.3	718.0	760.1
62.5°	584.9	325.3	492.2	318.5	362.3	369.1	502.3	638.8	654.0	659.1	684.4
65°	416.3	273.1	418.0	289.9	327.0	328.7	451.7	576.5	589.9	598.4	616.9
67.5°	281.5	222.5	318.5	262.9	300.0	301.7	402.9	504.0	522.5	529.3	541.0
70°	195.5	148.3	236.0	234.3	269.7	273.1	350.6	438.2	455.1	460.2	466.9
72.5°	143.2	119.7	195.5	210.7	237.6	241.0	296.6	364.0	381.0	386.0	389.3
75°	109.6	126.4	158.5	183.8	202.3	204.0	242.7	296.6	308.5	311.8	313.5
77.5°	87.6	118.0	116.3	148.3	165.1	161.8	190.4	229.3	239.3	239.3	239.3
80°	65.7	92.7	87.6	106.2	121.3	118.0	136.6	163.5	166.8	170.2	168.5
82.5°	48.9	59.0	59.0	67.4	80.9	77.5	91.0	106.2	106.2	106.2	109.6
85°	30.4	33.7	27.0	35.4	45.5	43.8	50.6	57.3	59.0	59.0	55.6
87.5°	18.5	15.1	8.5	13.4	20.2	20.2	23.6	25.3	23.6	23.6	23.6
90°	8.1	5.6	3.1	5.6	8.1	8.7	13.6	20.2	23.5	20.9	15.6
92.5°	54.3	33.4	12.4	33.4	54.3	59.6	83.8	116.0	132.2	115.8	83.2
95°	106.6	68.1	29.7	68.1	106.6	116.1	206.2	326.2	386.2	344.6	261.4
97.5°	119.0	85.2	51.3	85.2	119.0	127.5	277.7	477.9	578.0	551.7	499.2
100°	129.4	98.6	67.9	98.6	129.4	137.0	303.7	525.9	636.9	638.8	642.7
102.5°	139.4	110.9	82.2	110.9	139.4	146.6	315.6	541.0	653.7	687.1	754.1
105°	154.8	130.5	106.2	130.5	154.8	160.9	324.5	542.7	651.8	726.9	877.0
107.5°	176.2	153.6	130.9	153.6	176.2	181.9	326.2	518.5	614.7	719.4	928.8
110°	188.5	168.0	147.6	168.0	188.5	193.6	323.7	497.1	583.9	700.9	934.9



TEST NUMBER: P934982

CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	202.9	183.5	163.9	183.5	202.9	207.8	323.8	478.5	555.8	675.6	915.1
115°	224.6	206.6	188.6	206.6	224.6	229.1	326.8	457.0	522.1	637.5	868.3
117.5°	245.7	229.4	213.0	229.4	245.7	249.8	332.9	443.5	498.9	603.1	811.3
120°	258.0	242.6	227.3	242.6	258.0	261.8	337.7	439.0	489.6	584.9	775.2
122.5°	272.1	256.7	241.1	256.7	272.1	276.0	344.8	436.6	482.6	568.2	739.6
125°	290.7	276.6	262.4	276.6	290.7	294.2	354.5	434.8	474.9	547.7	693.3
127.5°	308.3	294.0	279.8	294.0	308.3	311.8	364.0	433.7	468.4	531.0	656.0
130°	319.7	304.4	289.0	304.4	319.7	323.6	371.0	434.3	465.9	521.6	632.9
132.5°	329.3	313.9	298.6	313.9	329.3	333.2	376.7	434.8	463.7	513.5	613.2
135°	340.7	326.7	312.7	326.7	340.7	344.2	382.9	434.4	460.1	501.8	585.2
137.5°	355.0	341.1	327.3	341.1	355.0	358.5	392.1	437.0	459.5	494.7	565.2
140°	364.8	352.1	339.3	352.1	364.8	368.0	397.8	437.4	457.3	487.7	548.6
142.5°	372.1	360.4	348.6	360.4	372.1	375.1	402.5	439.0	457.3	484.1	537.5
145°	383.4	373.1	362.7	373.1	383.4	386.0	408.7	439.0	454.2	476.1	519.8
147.5°	397.0	386.9	377.0	386.9	397.0	399.5	417.7	442.0	454.2	471.4	505.9
150°	404.4	395.3	386.2	395.3	404.4	406.7	422.5	443.6	454.2	468.7	497.8
152.5°	409.6	402.7	395.8	402.7	409.6	411.2	425.6	444.6	454.2	466.6	491.4
155°	420.1	415.1	410.1	415.1	420.1	421.4	432.4	446.9	454.2	464.0	483.8
157.5°	430.5	425.5	420.5	425.5	430.5	431.7	439.1	449.2	454.2	461.8	477.2
160°	435.3	431.5	427.6	431.5	435.3	436.2	442.2	450.2	454.2	460.7	474.0
162.5°	440.5	437.6	434.8	437.6	440.5	441.2	445.5	451.3	454.2	459.8	470.8
165°	447.6	445.0	442.4	445.0	447.6	448.3	450.3	452.9	454.2	458.2	466.1
167.5°	452.0	450.7	449.5	450.7	452.0	452.3	454.0	456.2	457.3	459.9	465.1
170°	456.7	455.4	454.2	455.4	456.7	457.0	457.1	457.2	457.3	459.9	465.1
172.5°	457.2	457.0	456.7	457.0	457.2	457.3	457.3	457.3	457.3	459.4	463.4
175°	460.1	460.1	460.1	460.1	460.1	460.1	459.2	457.9	457.3	458.6	461.1
177.5°	460.1	460.1	460.1	460.1	460.1	460.1	459.4	458.4	457.9	458.9	460.9
180°	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1



TEST NUMBER: P934982

CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6
2.5°	1719.3	1714.2	1721.0	1702.4	1721.0	1714.2	1719.3	1731.0	1721.0	1727.7	1734.4
5°	1508.5	1500.2	1473.2	1451.3	1473.2	1500.2	1508.5	1544.0	1560.8	1591.2	1631.6
7.5°	1348.5	1341.7	1334.9	1321.5	1334.9	1341.7	1348.5	1358.5	1375.4	1402.4	1432.7
10°	1313.0	1314.7	1324.9	1323.2	1324.9	1314.7	1313.0	1309.6	1304.7	1309.6	1328.2
12.5°	1404.1	1419.2	1474.9	1471.5	1474.9	1419.2	1404.1	1336.6	1291.1	1282.7	1286.0
15°	1508.5	1513.6	1525.5	1527.1	1525.5	1513.6	1508.5	1481.6	1345.1	1286.0	1267.5
17.5°	1518.7	1520.4	1528.8	1528.8	1528.8	1520.4	1518.7	1506.8	1461.3	1382.1	1277.7
20°	1510.2	1513.6	1530.5	1533.8	1530.5	1513.6	1510.2	1495.1	1469.8	1441.1	1361.9
22.5°	1506.8	1513.6	1527.1	1525.5	1527.1	1513.6	1506.8	1483.2	1461.3	1441.1	1409.1
25°	1490.0	1490.0	1491.7	1493.4	1491.7	1490.0	1490.0	1471.5	1427.7	1422.6	1404.1
27.5°	1454.7	1458.0	1468.1	1466.4	1468.1	1458.0	1454.7	1447.9	1400.7	1395.6	1382.1
30°	1422.6	1419.2	1410.8	1404.1	1410.8	1419.2	1422.6	1412.5	1365.3	1351.8	1355.2
32.5°	1368.7	1360.2	1351.8	1346.8	1351.8	1360.2	1368.7	1365.3	1329.9	1311.3	1314.7
35°	1304.7	1306.3	1304.7	1299.6	1304.7	1306.3	1304.7	1307.9	1286.0	1269.2	1267.5
37.5°	1259.1	1262.4	1260.8	1254.1	1260.8	1262.4	1259.1	1255.8	1225.4	1220.3	1223.7
40°	1211.9	1213.6	1211.9	1206.9	1211.9	1213.6	1211.9	1205.2	1163.0	1164.7	1176.5
42.5°	1166.4	1164.7	1159.6	1156.3	1159.6	1164.7	1166.4	1156.3	1102.4	1097.3	1119.2
45°	1114.1	1115.8	1105.8	1100.7	1105.8	1115.8	1114.1	1107.5	1051.8	1038.3	1053.5
47.5°	1061.9	1061.9	1053.5	1048.4	1053.5	1061.9	1061.9	1053.5	994.5	981.0	989.4
50°	1006.3	1004.6	992.8	991.1	992.8	1004.6	1006.3	1001.2	938.8	927.1	927.1
52.5°	942.2	942.2	943.9	947.3	943.9	942.2	942.2	943.9	888.3	876.5	873.1
55°	886.6	888.3	900.1	903.5	900.1	888.3	886.6	886.6	836.0	824.2	817.5
57.5°	829.3	829.3	837.7	837.7	837.7	829.3	829.3	825.9	777.1	766.9	763.5
60°	763.5	766.9	773.7	772.0	773.7	766.9	763.5	760.1	718.0	711.3	699.5
62.5°	694.4	697.8	699.5	696.1	699.5	697.8	694.4	684.4	659.1	654.0	638.8
65°	622.0	625.4	627.0	623.7	627.0	625.4	622.0	616.9	598.4	589.9	576.5
67.5°	547.8	546.1	544.4	551.2	544.4	546.1	547.8	541.0	529.3	522.5	504.0
70°	471.9	471.9	470.3	473.6	470.3	471.9	471.9	466.9	460.2	455.1	438.2
72.5°	391.0	389.3	396.1	391.0	396.1	389.3	391.0	389.3	386.0	381.0	364.0
75°	311.8	315.2	311.8	316.9	311.8	315.2	311.8	313.5	311.8	308.5	296.6
77.5°	237.6	241.0	237.6	237.6	237.6	241.0	237.6	239.3	239.3	239.3	229.3
80°	168.5	166.8	166.8	165.1	166.8	166.8	168.5	168.5	170.2	166.8	163.5
82.5°	107.9	106.2	106.2	109.6	106.2	106.2	107.9	109.6	106.2	106.2	106.2
85°	59.0	60.7	57.3	57.3	57.3	60.7	59.0	55.6	59.0	59.0	57.3
87.5°	21.9	20.2	20.2	20.2	20.2	20.2	21.9	23.6	23.6	23.6	25.3
90°	11.8	11.8	11.8	11.8	11.8	11.8	11.8	15.6	20.9	23.5	20.2
92.5°	58.7	56.4	47.0	37.6	47.0	56.4	58.7	83.2	115.8	132.2	116.0
95°	199.1	192.0	163.8	135.6	163.8	192.0	199.1	261.4	344.6	386.2	326.2
97.5°	459.8	446.3	392.5	338.7	392.5	446.3	459.8	499.2	551.7	578.0	477.9
100°	645.6	629.6	565.5	501.4	565.5	629.6	645.6	642.7	638.8	636.9	525.9
102.5°	804.3	790.5	735.6	680.8	735.6	790.5	804.3	754.1	687.1	653.7	541.0
105°	989.5	982.2	952.7	923.2	952.7	982.2	989.5	877.0	726.9	651.8	542.7
107.5°	1085.8	1087.6	1094.8	1102.0	1094.8	1087.6	1085.8	928.8	719.4	614.7	518.5
110°	1110.5	1118.2	1149.0	1179.8	1149.0	1118.2	1110.5	934.9	700.9	583.9	497.1



TEST NUMBER: P934982

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1094.8	1106.7	1153.9	1201.1	1153.9	1106.7	1094.8	915.1	675.6	555.8	478.5
115°	1041.4	1057.8	1123.3	1188.7	1123.3	1057.8	1041.4	868.3	637.5	522.1	457.0
117.5°	967.6	985.7	1058.3	1131.0	1058.3	985.7	967.6	811.3	603.1	498.9	443.5
120°	917.9	935.5	1006.1	1076.6	1006.1	935.5	917.9	775.2	584.9	489.6	439.0
122.5°	868.2	885.6	955.2	1024.8	955.2	885.6	868.2	739.6	568.2	482.6	436.6
125°	802.5	818.5	882.6	946.6	882.6	818.5	802.5	693.3	547.7	474.9	434.8
127.5°	749.7	763.2	817.2	871.3	817.2	763.2	749.7	656.0	531.0	468.4	433.7
130°	716.3	728.8	778.8	828.7	778.8	728.8	716.3	632.9	521.6	465.9	434.3
132.5°	687.9	699.1	743.8	788.5	743.8	699.1	687.9	613.2	513.5	463.7	434.8
135°	647.8	657.5	696.0	734.6	696.0	657.5	647.8	585.2	501.8	460.1	434.4
137.5°	618.1	626.0	657.6	689.1	657.6	626.0	618.1	565.2	494.7	459.5	437.0
140°	594.3	601.7	631.3	660.7	631.3	601.7	594.3	548.6	487.7	457.3	437.4
142.5°	577.7	584.1	609.4	634.8	609.4	584.1	577.7	537.5	484.1	457.3	439.0
145°	552.7	557.5	576.7	595.9	576.7	557.5	552.7	519.8	476.1	454.2	439.0
147.5°	531.7	535.6	551.6	567.5	551.6	535.6	531.7	505.9	471.4	454.2	442.0
150°	519.6	522.8	535.7	548.7	535.7	522.8	519.6	497.8	468.7	454.2	443.6
152.5°	510.1	512.4	522.2	532.0	522.2	512.4	510.1	491.4	466.6	454.2	444.6
155°	498.6	500.2	506.7	513.1	506.7	500.2	498.6	483.8	464.0	454.2	446.9
157.5°	488.7	489.8	494.4	498.9	494.4	489.8	488.7	477.2	461.8	454.2	449.2
160°	483.9	484.5	487.0	489.6	487.0	484.5	483.9	474.0	460.7	454.2	450.2
162.5°	479.2	479.8	482.3	484.8	482.3	479.8	479.2	470.8	459.8	454.2	451.3
165°	472.1	472.8	475.4	478.0	475.4	472.8	472.1	466.1	458.2	454.2	452.9
167.5°	469.0	469.3	470.4	471.5	470.4	469.3	469.0	465.1	459.9	457.3	456.2
170°	469.0	469.0	469.0	469.0	469.0	469.0	469.0	465.1	459.9	457.3	457.2
172.5°	466.5	466.3	465.3	464.3	465.3	466.3	466.5	463.4	459.4	457.3	457.3
175°	463.1	463.1	463.1	463.1	463.1	463.1	463.1	461.1	458.6	457.3	457.9
177.5°	462.5	462.2	461.1	460.1	461.1	462.2	462.5	460.9	458.9	457.9	458.4
180°	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1



TEST NUMBER: P934982

CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1781.6	1781.6	1781.6	1781.6	1781.6
2.5°	1759.7	1768.1	1773.2	1780.0	1796.8
5°	1692.3	1724.3	1734.4	1759.7	1790.0
7.5°	1544.0	1641.7	1668.7	1729.4	1776.6
10°	1400.7	1498.5	1545.7	1688.9	1759.7
12.5°	1328.2	1385.5	1417.5	1618.1	1736.1
15°	1282.7	1323.2	1346.8	1523.8	1709.1
17.5°	1247.3	1276.0	1292.8	1431.1	1672.1
20°	1225.4	1238.9	1254.1	1363.6	1630.0
22.5°	1210.2	1201.8	1213.6	1316.4	1572.6
25°	1200.1	1168.1	1181.6	1279.4	1505.2
27.5°	1208.5	1137.7	1142.8	1245.6	1434.4
30°	1210.2	1100.7	1102.4	1210.2	1355.2
32.5°	1198.4	1061.9	1063.6	1166.4	1265.8
35°	1169.8	1016.4	1014.7	1115.8	1144.5
37.5°	1131.0	967.5	967.5	1060.2	1011.3
40°	1083.8	918.6	923.7	987.7	893.3
42.5°	1026.5	866.4	873.1	891.6	805.7
45°	964.1	815.8	820.9	753.5	738.2
47.5°	895.0	763.5	765.2	625.4	716.3
50°	812.4	709.6	702.9	536.0	714.6
52.5°	739.9	650.6	630.4	485.5	648.9
55°	669.2	588.2	544.4	446.7	601.8
57.5°	606.8	507.4	465.2	401.2	591.6
60°	549.5	428.1	396.1	352.3	542.7
62.5°	502.3	369.1	362.3	318.5	492.2
65°	451.7	328.7	327.0	289.9	418.0
67.5°	402.9	301.7	300.0	262.9	318.5
70°	350.6	273.1	269.7	234.3	236.0
72.5°	296.6	241.0	237.6	210.7	195.5
75°	242.7	204.0	202.3	183.8	158.5
77.5°	190.4	161.8	165.1	148.3	116.3
80°	136.6	118.0	121.3	106.2	87.6
82.5°	91.0	77.5	80.9	67.4	59.0
85°	50.6	43.8	45.5	35.4	27.0
87.5°	23.6	20.2	20.2	13.4	8.5
90°	13.6	8.7	8.1	5.6	3.1
92.5°	83.8	59.6	54.3	33.4	12.4
95°	206.2	116.1	106.6	68.1	29.7
97.5°	277.7	127.5	119.0	85.2	51.3
100°	303.7	137.0	129.4	98.6	67.9
102.5°	315.6	146.6	139.4	110.9	82.2
105°	324.5	160.9	154.8	130.5	106.2
107.5°	326.2	181.9	176.2	153.6	130.9
110°	323.7	193.6	188.5	168.0	147.6



TEST NUMBER: P934982

CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	323.8	207.8	202.9	183.5	163.9
115°	326.8	229.1	224.6	206.6	188.6
117.5°	332.9	249.8	245.7	229.4	213.0
120°	337.7	261.8	258.0	242.6	227.3
122.5°	344.8	276.0	272.1	256.7	241.1
125°	354.5	294.2	290.7	276.6	262.4
127.5°	364.0	311.8	308.3	294.0	279.8
130°	371.0	323.6	319.7	304.4	289.0
132.5°	376.7	333.2	329.3	313.9	298.6
135°	382.9	344.2	340.7	326.7	312.7
137.5°	392.1	358.5	355.0	341.1	327.3
140°	397.8	368.0	364.8	352.1	339.3
142.5°	402.5	375.1	372.1	360.4	348.6
145°	408.7	386.0	383.4	373.1	362.7
147.5°	417.7	399.5	397.0	386.9	377.0
150°	422.5	406.7	404.4	395.3	386.2
152.5°	425.6	411.2	409.6	402.7	395.8
155°	432.4	421.4	420.1	415.1	410.1
157.5°	439.1	431.7	430.5	425.5	420.5
160°	442.2	436.2	435.3	431.5	427.6
162.5°	445.5	441.2	440.5	437.6	434.8
165°	450.3	448.3	447.6	445.0	442.4
167.5°	454.0	452.3	452.0	450.7	449.5
170°	457.1	457.0	456.7	455.4	454.2
172.5°	457.3	457.3	457.2	457.0	456.7
175°	459.2	460.1	460.1	460.1	460.1
177.5°	459.4	460.1	460.1	460.1	460.1
180°	460.1	460.1	460.1	460.1	460.1



TEST NUMBER: P934982
 CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-4-2700K

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	15.48	16.45	16.34	17.33	18.44	18.28	19.24	19.13	20.12	21.23
	3H	15.96	16.83	16.84	17.72	18.86	19.62	20.49	20.49	21.38	22.51
	4H	16.16	16.98	17.05	17.88	19.02	20.06	20.88	20.95	21.78	22.92
	6H	16.29	17.04	17.18	17.94	19.10	20.35	21.10	21.25	22.00	23.16
	8H	16.29	17.01	17.20	17.93	19.09	20.42	21.14	21.33	22.06	23.22
	12H	16.26	16.95	17.18	17.86	19.05	20.46	21.14	21.37	22.06	23.24
4H	2H	16.52	17.34	17.41	18.23	19.38	18.70	19.52	19.59	20.42	21.56
	3H	17.55	18.24	18.46	19.16	20.32	20.21	20.89	21.11	21.82	22.98
	4H	17.83	18.46	18.75	19.38	20.57	20.73	21.35	21.65	22.28	23.46
	6H	17.97	18.50	18.89	19.45	20.64	21.10	21.63	22.02	22.58	23.77
	8H	17.97	18.48	18.91	19.42	20.62	21.20	21.70	22.13	22.64	23.84
	12H	17.95	18.40	18.90	19.36	20.56	21.26	21.71	22.21	22.67	23.87
8H	4H	18.29	18.79	19.22	19.73	20.94	20.87	21.37	21.80	22.31	23.51
	6H	18.56	18.97	19.52	19.96	21.16	21.30	21.71	22.26	22.70	23.90
	8H	18.60	18.97	19.57	19.94	21.16	21.45	21.81	22.41	22.79	24.01
	12H	18.59	18.91	19.56	19.88	21.15	21.54	21.87	22.52	22.83	24.10
12H	4H	18.30	18.75	19.25	19.71	20.92	20.84	21.29	21.79	22.25	23.45
	6H	18.62	18.99	19.58	19.96	21.18	21.30	21.66	22.26	22.64	23.86
	8H	18.69	19.01	19.66	19.98	21.24	21.46	21.78	22.43	22.75	24.01