

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: P934837

Luminaire Tested: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-6-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934837
REPORT IS A COMBINATION OF REPORTS P933715 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-6-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

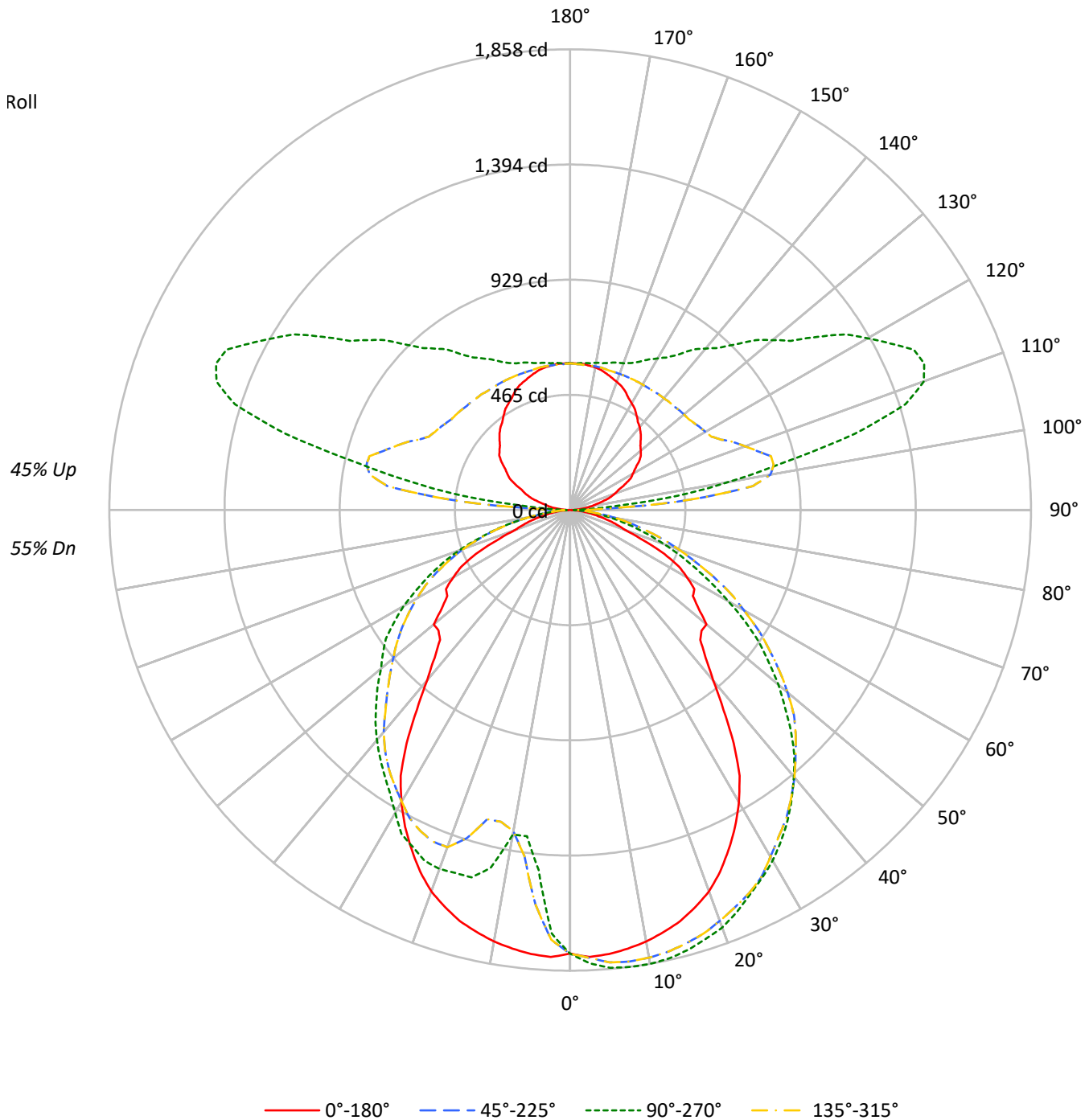
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8477.2 lumens
Efficiency: N/A
Efficacy: 110.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 76.8
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	0
RCR																		
0	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60	55
1	99	95	91	87	92	88	85	82	76	73	71	64	62	61	54	52	51	46
2	90	83	76	71	83	77	72	67	66	62	59	56	53	51	47	45	43	39
3	82	73	65	59	76	68	61	56	58	53	49	50	46	43	42	39	37	33
4	75	64	56	50	69	60	53	47	52	46	42	44	40	37	37	34	32	28
5	69	57	49	43	64	54	46	41	46	41	36	40	35	32	34	30	28	24
6	64	51	43	37	59	48	41	35	42	36	32	36	31	28	30	27	24	21
7	59	46	38	33	54	43	36	31	38	32	28	33	28	25	28	24	21	19
8	55	42	34	29	51	39	32	27	35	29	25	30	25	22	25	22	19	17
9	51	38	31	26	47	36	29	25	32	26	22	27	23	20	24	20	17	15
10	47	35	28	23	44	33	26	22	29	24	20	25	21	18	22	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11068	11068	11068	11068
5°	11146	11172	11146	8785
10°	11068	11005	11068	7868
15°	10943	10767	10943	8990
20°	10710	10484	10710	9009
25°	10237	10073	10237	8818
30°	9628	9730	9628	8399
35°	8579	9297	8579	7938
40°	7145	8789	7145	7590
45°	6380	8192	6380	7190
50°	6772	7481	6772	6788
55°	6366	6715	6366	6557
60°	6554	5703	6554	6005
65°	5933	4714	5933	5269
70°	4097	3757	4097	4417
75°	3580	2777	3580	3326
80°	2864	1837	2864	2000
85°	1616	972	1616	827

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 9784 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.5	1.9
10°-20°	458.5	5.4
20°-30°	708.8	8.4
30°-40°	846.2	10.0
40°-50°	851.1	10.0
50°-60°	740.6	8.7
60°-70°	525.1	6.2
70°-80°	277.8	3.3
80°-90°	71.4	0.8
90°-100°	288.4	3.4
100°-110°	758.4	8.9
110°-120°	786.3	9.3
120°-130°	630.7	7.4
130°-140°	494.9	5.8
140°-150°	379.9	4.5
150°-160°	273.6	3.2
160°-170°	167.4	2.0
170°-180°	56.5	0.7
0°-30°	1328.8	15.7
0°-40°	2175.0	25.7
0°-60°	3766.7	44.4
0°-90°	4641.0	54.7
90°-120°	1833.2	21.6
90°-150°	3338.7	39.4
90°-180°	3836.0	45.3
0°-180°	8477.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1789	1789	1789	1789	1789	
5°	1798	1853	1798	1457	1798	171
15°	1716	1836	1716	1534	1716	483
25°	1512	1713	1512	1500	1512	694
35°	1149	1528	1149	1305	1149	711
45°	741	1259	741	1105	741	594
55°	604	929	604	907	604	555
65°	420	560	420	626	420	401
75°	159	266	159	318	159	167
85°	27	68	27	58	27	37
90°	4	15	4	15	4	4
95°	38	174	38	174	38	42
105°	137	1188	137	1188	137	145
115°	243	1529	243	1529	243	240
125°	338	1218	338	1218	338	300
135°	402	945	402	945	402	311
145°	467	766	467	766	467	292
155°	527	660	527	660	527	242
165°	569	615	569	615	569	161
175°	592	596	592	596	592	56
180°	592	592	592	592	592	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1
2.5°	1804.3	1804.3	1814.5	1817.8	1817.8	1812.8	1807.7	1812.8	1828.0	1833.1	1831.4
5°	1797.5	1811.1	1829.7	1833.1	1836.5	1834.8	1831.4	1834.8	1851.7	1855.1	1856.8
7.5°	1784.0	1809.4	1833.1	1838.2	1843.2	1838.2	1836.5	1839.9	1856.8	1860.2	1860.2
10°	1767.1	1802.6	1829.7	1833.1	1838.2	1833.1	1833.1	1839.9	1856.8	1860.2	1861.8
12.5°	1743.4	1792.5	1817.8	1821.3	1828.0	1826.3	1824.6	1831.4	1848.3	1851.7	1851.7
15°	1716.3	1773.9	1797.5	1800.9	1812.8	1809.4	1809.4	1816.1	1834.8	1839.9	1838.2
17.5°	1679.0	1750.1	1777.3	1782.3	1790.8	1789.1	1790.8	1797.5	1814.5	1817.8	1819.5
20°	1636.8	1718.0	1750.1	1755.2	1763.7	1763.7	1763.7	1772.1	1789.1	1795.9	1795.9
22.5°	1579.2	1684.2	1718.0	1721.4	1731.6	1731.6	1734.9	1746.8	1762.0	1763.7	1763.7
25°	1511.5	1646.9	1675.7	1685.8	1696.0	1701.1	1706.1	1713.0	1718.0	1716.3	1718.0
27.5°	1440.4	1599.5	1636.8	1643.5	1657.1	1662.1	1668.9	1670.6	1672.3	1677.3	1674.0
30°	1360.9	1533.5	1589.4	1596.1	1618.1	1621.5	1614.7	1618.1	1626.6	1630.0	1633.3
32.5°	1271.1	1435.4	1540.2	1555.5	1575.8	1565.6	1564.0	1569.0	1582.6	1582.6	1585.9
35°	1149.3	1359.2	1494.6	1508.1	1523.3	1511.5	1518.3	1519.9	1528.4	1533.5	1531.8
37.5°	1015.6	1293.1	1447.1	1457.3	1469.2	1454.0	1464.1	1469.2	1475.9	1472.6	1472.6
40°	897.1	1189.9	1391.3	1398.1	1408.3	1396.4	1406.6	1409.9	1413.3	1409.9	1408.3
42.5°	809.0	1076.5	1332.1	1340.6	1333.8	1342.3	1345.6	1352.4	1347.3	1340.6	1340.6
45°	741.4	1046.1	1267.8	1277.9	1267.8	1281.3	1286.4	1286.4	1271.1	1267.8	1266.1
47.5°	719.3	985.1	1203.5	1203.5	1198.3	1215.3	1223.7	1211.9	1196.6	1191.6	1191.6
50°	717.6	917.4	1115.4	1108.7	1132.3	1152.6	1144.2	1132.3	1120.5	1101.9	1101.9
52.5°	651.6	834.5	1002.0	1027.4	1064.7	1076.5	1063.0	1051.1	1030.8	1022.3	1015.6
55°	604.3	748.1	898.8	949.5	988.5	1003.7	978.3	966.4	936.0	930.9	927.6
57.5°	594.1	622.9	804.0	868.3	915.7	914.0	898.8	876.8	851.4	846.3	844.6
60°	545.0	450.2	702.4	778.6	827.7	822.6	809.0	788.8	765.0	761.7	758.3
62.5°	494.2	326.7	587.3	673.7	743.1	741.4	729.5	699.0	682.1	673.7	666.9
65°	419.8	274.2	418.1	560.2	660.2	663.5	638.1	616.1	597.5	587.3	585.7
67.5°	319.9	223.4	282.6	467.1	580.6	577.2	545.0	534.9	511.2	506.1	495.9
70°	236.9	149.0	196.4	379.1	502.7	494.2	468.8	457.0	435.0	423.1	416.4
72.5°	196.4	120.2	143.8	294.5	423.1	413.0	391.0	377.4	358.8	348.7	341.9
75°	159.1	126.9	110.0	218.3	343.6	336.9	316.5	303.0	287.8	274.2	275.9
77.5°	116.8	118.5	88.0	160.8	272.5	262.4	250.5	233.6	226.8	213.3	213.3
80°	88.0	93.1	66.0	110.0	196.4	196.4	186.2	174.3	162.5	155.7	155.7
82.5°	59.3	59.3	49.1	69.4	133.8	128.6	121.9	118.5	111.7	108.3	108.3
85°	27.1	33.8	30.5	42.3	72.8	76.2	76.2	72.8	71.1	67.7	69.4
87.5°	8.5	15.2	18.6	23.7	37.2	38.9	40.7	40.7	40.7	42.3	42.3
90°	3.9	7.1	10.3	11.1	17.4	25.9	30.2	26.8	20.2	15.1	15.1
92.5°	15.9	42.9	69.9	76.6	107.7	149.2	170.0	149.0	106.9	75.4	72.4
95°	38.1	87.5	136.9	149.3	265.1	419.6	496.8	443.4	336.4	256.2	247.1
97.5°	65.9	109.5	153.1	164.0	357.2	614.7	743.5	709.7	642.1	591.4	574.1
100°	87.4	126.9	166.5	176.4	390.7	676.5	819.4	821.8	826.8	830.5	809.9
102.5°	105.7	142.6	179.5	188.7	406.1	695.9	840.8	883.9	970.0	1034.6	1016.9
105°	136.7	167.9	199.2	207.0	417.4	698.1	838.4	934.9	1128.0	1272.9	1263.4
107.5°	168.4	197.6	226.7	233.9	419.5	667.0	790.8	925.4	1194.8	1396.8	1399.1
110°	189.9	216.2	242.4	249.0	416.3	639.5	751.0	901.6	1202.8	1428.6	1438.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	210.9	235.9	261.0	267.3	416.5	615.4	714.9	869.0	1177.2	1408.3	1423.5
115°	242.7	265.8	288.9	294.7	420.3	587.8	671.6	820.0	1116.9	1339.6	1360.6
117.5°	274.0	295.0	316.0	321.3	428.2	570.6	641.8	775.8	1043.7	1244.7	1268.0
120°	292.3	312.1	331.8	336.8	434.5	564.7	629.9	752.3	997.1	1180.7	1203.5
122.5°	310.2	330.1	350.1	355.1	443.6	561.8	620.8	731.0	951.4	1116.8	1139.2
125°	337.6	355.7	373.9	378.5	455.9	559.2	610.9	704.5	891.8	1032.2	1052.8
127.5°	359.8	378.2	396.5	401.1	468.2	557.7	602.5	682.9	843.7	964.3	981.7
130°	371.7	391.5	411.3	416.2	477.3	558.7	599.3	670.9	814.1	921.4	937.5
132.5°	384.0	403.8	423.6	428.5	484.5	559.2	596.5	660.6	788.8	884.9	899.2
135°	402.3	420.3	438.3	442.9	492.5	558.7	591.7	645.4	752.7	833.2	845.6
137.5°	421.0	438.8	456.6	461.1	504.4	562.1	591.0	636.3	727.0	795.1	805.3
140°	436.5	452.9	469.3	473.4	511.7	562.7	588.2	627.4	705.8	764.5	774.0
142.5°	448.4	463.6	478.8	482.6	517.8	564.7	588.2	622.6	691.4	743.1	751.3
145°	466.7	479.9	493.1	496.4	525.7	564.7	584.2	612.4	668.7	710.9	717.0
147.5°	484.9	497.8	510.7	513.9	537.3	568.6	584.2	606.3	650.7	683.9	689.0
150°	496.8	508.5	520.2	523.1	543.5	570.6	584.2	602.9	640.3	668.4	672.6
152.5°	509.1	518.0	526.8	529.0	547.4	571.9	584.2	600.2	632.1	656.1	659.3
155°	527.4	533.9	540.5	542.1	556.1	574.8	584.2	597.0	622.4	641.5	643.5
157.5°	540.9	547.3	553.6	555.3	564.9	577.8	584.2	594.1	613.9	628.7	630.2
160°	550.1	555.0	560.0	561.2	568.8	579.1	584.2	592.7	609.6	622.3	623.2
162.5°	559.2	563.0	566.6	567.6	573.1	580.6	584.2	591.4	605.7	616.4	617.2
165°	569.1	572.5	575.9	576.7	579.2	582.5	584.2	589.3	599.6	607.3	608.1
167.5°	578.2	579.9	581.4	581.8	584.0	586.8	588.2	591.5	598.2	603.3	603.6
170°	584.2	585.8	587.4	587.8	587.9	588.1	588.2	591.5	598.2	603.3	603.3
172.5°	587.4	587.7	588.1	588.2	588.2	588.2	588.2	590.8	596.1	600.1	599.8
175°	591.7	591.7	591.7	591.7	590.5	588.9	588.2	589.9	593.2	595.8	595.8
177.5°	591.7	591.7	591.7	591.7	590.8	589.6	589.0	590.4	593.0	595.0	594.6
180°	591.7	591.7	591.7	591.7	591.7	591.7	591.7	591.7	591.7	591.7	591.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1
2.5°	1834.8	1829.7	1834.8	1831.4	1833.1	1828.0	1812.8	1807.7	1812.8	1817.8	1817.8
5°	1856.8	1853.4	1856.8	1856.8	1855.1	1851.7	1834.8	1831.4	1834.8	1836.5	1833.1
7.5°	1863.5	1858.5	1863.5	1860.2	1860.2	1856.8	1839.9	1836.5	1838.2	1843.2	1838.2
10°	1863.5	1858.5	1863.5	1861.8	1860.2	1856.8	1839.9	1833.1	1833.1	1838.2	1833.1
12.5°	1855.1	1851.7	1855.1	1851.7	1851.7	1848.3	1831.4	1824.6	1826.3	1828.0	1821.3
15°	1841.6	1836.5	1841.6	1838.2	1839.9	1834.8	1816.1	1809.4	1809.4	1812.8	1800.9
17.5°	1821.3	1814.5	1821.3	1819.5	1817.8	1814.5	1797.5	1790.8	1789.1	1790.8	1782.3
20°	1797.5	1792.5	1797.5	1795.9	1795.9	1789.1	1772.1	1763.7	1763.7	1763.7	1755.2
22.5°	1760.3	1755.2	1760.3	1763.7	1763.7	1762.0	1746.8	1734.9	1731.6	1731.6	1721.4
25°	1718.0	1713.0	1718.0	1718.0	1716.3	1718.0	1713.0	1706.1	1701.1	1696.0	1685.8
27.5°	1677.3	1674.0	1677.3	1674.0	1677.3	1672.3	1670.6	1668.9	1662.1	1657.1	1643.5
30°	1636.8	1633.3	1636.8	1633.3	1630.0	1626.6	1618.1	1614.7	1621.5	1618.1	1596.1
32.5°	1585.9	1582.6	1585.9	1585.9	1582.6	1582.6	1569.0	1564.0	1565.6	1575.8	1555.5
35°	1533.5	1528.4	1533.5	1531.8	1533.5	1528.4	1519.9	1518.3	1511.5	1523.3	1508.1
37.5°	1472.6	1467.5	1472.6	1472.6	1472.6	1475.9	1469.2	1464.1	1454.0	1469.2	1457.3
40°	1409.9	1403.2	1409.9	1408.3	1409.9	1413.3	1409.9	1406.6	1396.4	1408.3	1398.1
42.5°	1338.8	1337.1	1338.8	1340.6	1340.6	1347.3	1352.4	1345.6	1342.3	1333.8	1340.6
45°	1262.7	1259.3	1262.7	1266.1	1267.8	1271.1	1286.4	1286.4	1281.3	1267.8	1277.9
47.5°	1181.4	1173.0	1181.4	1191.6	1191.6	1196.6	1211.9	1223.7	1215.3	1198.3	1203.5
50°	1095.1	1096.8	1095.1	1101.9	1101.9	1120.5	1132.3	1144.2	1152.6	1132.3	1108.7
52.5°	1010.5	1008.8	1010.5	1015.6	1022.3	1030.8	1051.1	1063.0	1076.5	1064.7	1027.4
55°	925.9	929.2	925.9	927.6	930.9	936.0	966.4	978.3	1003.7	988.5	949.5
57.5°	841.2	836.1	841.2	844.6	846.3	851.4	876.8	898.8	914.0	915.7	868.3
60°	743.1	736.3	743.1	758.3	761.7	765.0	788.8	809.0	822.6	827.7	778.6
62.5°	656.7	644.9	656.7	666.9	673.7	682.1	699.0	729.5	741.4	743.1	673.7
65°	565.3	560.2	565.3	585.7	587.3	597.5	616.1	638.1	663.5	660.2	560.2
67.5°	482.4	482.4	482.4	495.9	506.1	511.2	534.9	545.0	577.2	580.6	467.1
70°	406.2	404.5	406.2	416.4	423.1	435.0	457.0	468.8	494.2	502.7	379.1
72.5°	333.5	331.7	333.5	341.9	348.7	358.8	377.4	391.0	413.0	423.1	294.5
75°	269.1	265.7	269.1	275.9	274.2	287.8	303.0	316.5	336.9	343.6	218.3
77.5°	206.5	206.5	206.5	213.3	213.3	226.8	233.6	250.5	262.4	272.5	160.8
80°	154.0	152.4	154.0	155.7	155.7	162.5	174.3	186.2	196.4	196.4	110.0
82.5°	108.3	105.0	108.3	108.3	108.3	111.7	118.5	121.9	128.6	133.8	69.4
85°	67.7	67.7	67.7	69.4	67.7	71.1	72.8	76.2	76.2	72.8	42.3
87.5°	44.0	42.3	44.0	42.3	42.3	40.7	40.7	40.7	38.9	37.2	23.7
90°	15.1	15.1	15.1	15.1	15.1	20.2	26.8	30.2	25.9	17.4	11.1
92.5°	60.4	48.4	60.4	72.4	75.4	106.9	149.0	170.0	149.2	107.7	76.6
95°	210.7	174.3	210.7	247.1	256.2	336.4	443.4	496.8	419.6	265.1	149.3
97.5°	504.9	435.7	504.9	574.1	591.4	642.1	709.7	743.5	614.7	357.2	164.0
100°	727.4	645.0	727.4	809.9	830.5	826.8	821.8	819.4	676.5	390.7	176.4
102.5°	946.4	875.7	946.4	1016.9	1034.6	970.0	883.9	840.8	695.9	406.1	188.7
105°	1225.4	1187.5	1225.4	1263.4	1272.9	1128.0	934.9	838.4	698.1	417.4	207.0
107.5°	1408.3	1417.4	1408.3	1399.1	1396.8	1194.8	925.4	790.8	667.0	419.5	233.9
110°	1478.0	1517.5	1478.0	1438.5	1428.6	1202.8	901.6	751.0	639.5	416.3	249.0



TEST NUMBER: P934837

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1484.2	1544.9	1484.2	1423.5	1408.3	1177.2	869.0	714.9	615.4	416.5	267.3
115°	1444.8	1529.1	1444.8	1360.6	1339.6	1116.9	820.0	671.6	587.8	420.3	294.7
117.5°	1361.4	1454.8	1361.4	1268.0	1244.7	1043.7	775.8	641.8	570.6	428.2	321.3
120°	1294.2	1384.9	1294.2	1203.5	1180.7	997.1	752.3	629.9	564.7	434.5	336.8
122.5°	1228.7	1318.2	1228.7	1139.2	1116.8	951.4	731.0	620.8	561.8	443.6	355.1
125°	1135.3	1217.7	1135.3	1052.8	1032.2	891.8	704.5	610.9	559.2	455.9	378.5
127.5°	1051.3	1120.8	1051.3	981.7	964.3	843.7	682.9	602.5	557.7	468.2	401.1
130°	1001.7	1066.0	1001.7	937.5	921.4	814.1	670.9	599.3	558.7	477.3	416.2
132.5°	956.8	1014.4	956.8	899.2	884.9	788.8	660.6	596.5	559.2	484.5	428.5
135°	895.2	944.8	895.2	845.6	833.2	752.7	645.4	591.7	558.7	492.5	442.9
137.5°	845.8	886.5	845.8	805.3	795.1	727.0	636.3	591.0	562.1	504.4	461.1
140°	812.0	849.9	812.0	774.0	764.5	705.8	627.4	588.2	562.7	511.7	473.4
142.5°	783.9	816.5	783.9	751.3	743.1	691.4	622.6	588.2	564.7	517.8	482.6
145°	741.8	766.5	741.8	717.0	710.9	668.7	612.4	584.2	564.7	525.7	496.4
147.5°	709.4	729.9	709.4	689.0	683.9	650.7	606.3	584.2	568.6	537.3	513.9
150°	689.2	705.8	689.2	672.6	668.4	640.3	602.9	584.2	570.6	543.5	523.1
152.5°	671.8	684.3	671.8	659.3	656.1	632.1	600.2	584.2	571.9	547.4	529.0
155°	651.8	660.1	651.8	643.5	641.5	622.4	597.0	584.2	574.8	556.1	542.1
157.5°	636.0	641.8	636.0	630.2	628.7	613.9	594.1	584.2	577.8	564.9	555.3
160°	626.5	629.9	626.5	623.2	622.3	609.6	592.7	584.2	579.1	568.8	561.2
162.5°	620.4	623.5	620.4	617.2	616.4	605.7	591.4	584.2	580.6	573.1	567.6
165°	611.5	614.8	611.5	608.1	607.3	599.6	589.3	584.2	582.5	579.2	576.7
167.5°	605.1	606.4	605.1	603.6	603.3	598.2	591.5	588.2	586.8	584.0	581.8
170°	603.3	603.3	603.3	603.3	603.3	598.2	591.5	588.2	588.1	587.9	587.8
172.5°	598.6	597.3	598.6	599.8	600.1	596.1	590.8	588.2	588.2	588.2	588.2
175°	595.8	595.8	595.8	595.8	595.8	593.2	589.9	588.2	588.9	590.5	591.7
177.5°	593.2	591.7	593.2	594.6	595.0	593.0	590.4	589.0	589.6	590.8	591.7
180°	591.7	591.7	591.7	591.7	591.7	591.7	591.7	591.7	591.7	591.7	591.7



TEST NUMBER: P934837

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1
2.5°	1814.5	1804.3	1804.3	1787.3	1780.6	1775.6	1767.1	1741.7	1734.9	1728.2	1738.3
5°	1829.7	1811.1	1797.5	1767.1	1741.7	1731.6	1699.4	1638.5	1597.8	1567.3	1550.4
7.5°	1833.1	1809.4	1784.0	1736.6	1675.7	1648.6	1550.4	1438.7	1408.3	1381.1	1364.2
10°	1829.7	1802.6	1767.1	1696.0	1552.1	1504.7	1406.6	1333.8	1315.2	1310.1	1315.2
12.5°	1817.8	1792.5	1743.4	1624.9	1423.5	1391.3	1333.8	1291.4	1288.1	1296.6	1342.3
15°	1797.5	1773.9	1716.3	1530.1	1352.4	1328.7	1288.1	1272.8	1291.4	1350.7	1487.8
17.5°	1777.3	1750.1	1679.0	1437.0	1298.2	1281.3	1252.5	1283.0	1388.0	1467.5	1513.2
20°	1750.1	1718.0	1636.8	1369.3	1259.3	1244.0	1230.5	1367.6	1447.1	1475.9	1501.3
22.5°	1718.0	1684.2	1579.2	1321.9	1218.7	1206.8	1215.3	1415.0	1447.1	1467.5	1489.5
25°	1675.7	1646.9	1511.5	1284.7	1186.6	1173.0	1205.2	1409.9	1428.5	1433.7	1477.6
27.5°	1636.8	1599.5	1440.4	1250.9	1147.6	1142.5	1213.6	1388.0	1401.5	1406.6	1454.0
30°	1589.4	1533.5	1360.9	1215.3	1106.9	1105.2	1215.3	1360.9	1357.5	1371.0	1418.4
32.5°	1540.2	1435.4	1271.1	1171.3	1068.0	1066.4	1203.5	1320.2	1316.8	1335.4	1371.0
35°	1494.6	1359.2	1149.3	1120.5	1019.0	1020.6	1174.7	1272.8	1274.5	1291.4	1313.5
37.5°	1447.1	1293.1	1015.6	1064.7	971.6	971.6	1135.7	1228.8	1225.4	1230.5	1260.9
40°	1391.3	1189.9	897.1	991.9	927.6	922.5	1088.3	1181.4	1169.6	1167.9	1210.2
42.5°	1332.1	1076.5	809.0	895.4	876.8	870.0	1030.8	1123.9	1101.9	1106.9	1161.1
45°	1267.8	1046.1	741.4	756.6	824.3	819.2	968.2	1057.8	1042.6	1056.2	1112.1
47.5°	1203.5	985.1	719.3	628.0	768.5	766.8	898.8	993.5	985.1	998.6	1057.8
50°	1115.4	917.4	717.6	538.3	705.9	712.6	815.9	930.9	930.9	942.8	1005.4
52.5°	1002.0	834.5	651.6	487.5	633.0	653.3	743.1	876.8	880.2	892.0	947.8
55°	898.8	748.1	604.3	448.5	546.7	590.7	671.9	820.9	827.7	839.5	890.3
57.5°	804.0	622.9	594.1	402.8	467.1	509.5	609.3	766.8	770.2	780.3	829.4
60°	702.4	450.2	545.0	353.8	397.8	429.9	551.8	702.4	714.3	721.1	763.3
62.5°	587.3	326.7	494.2	319.9	363.9	370.7	504.4	641.5	656.7	661.8	687.2
65°	418.1	274.2	419.8	291.1	328.3	330.0	453.6	578.8	592.4	600.9	619.5
67.5°	282.6	223.4	319.9	264.0	301.3	303.0	404.5	506.1	524.7	531.4	543.3
70°	196.4	149.0	236.9	235.3	270.8	274.2	352.1	440.0	457.0	462.1	468.8
72.5°	143.8	120.2	196.4	211.6	238.6	242.1	297.9	365.6	382.6	387.6	391.0
75°	110.0	126.9	159.1	184.5	203.1	204.8	243.8	297.9	309.7	313.1	314.8
77.5°	88.0	118.5	116.8	149.0	165.9	162.5	191.2	230.2	240.4	240.4	240.4
80°	66.0	93.1	88.0	106.6	121.9	118.5	137.1	164.2	167.6	170.9	169.3
82.5°	49.1	59.3	59.3	67.7	81.2	77.9	91.4	106.6	106.6	106.6	110.0
85°	30.5	33.8	27.1	35.5	45.7	44.0	50.8	57.6	59.3	59.3	55.9
87.5°	18.6	15.2	8.5	13.6	20.3	20.3	23.7	25.4	23.7	23.7	23.7
90°	10.3	7.1	3.9	7.1	10.3	11.1	17.4	25.9	30.2	26.8	20.2
92.5°	69.9	42.9	15.9	42.9	69.9	76.6	107.7	149.2	170.0	149.0	106.9
95°	136.9	87.5	38.1	87.5	136.9	149.3	265.1	419.6	496.8	443.4	336.4
97.5°	153.1	109.5	65.9	109.5	153.1	164.0	357.2	614.7	743.5	709.7	642.1
100°	166.5	126.9	87.4	126.9	166.5	176.4	390.7	676.5	819.4	821.8	826.8
102.5°	179.5	142.6	105.7	142.6	179.5	188.7	406.1	695.9	840.8	883.9	970.0
105°	199.2	167.9	136.7	167.9	199.2	207.0	417.4	698.1	838.4	934.9	1128.0
107.5°	226.7	197.6	168.4	197.6	226.7	233.9	419.5	667.0	790.8	925.4	1194.8
110°	242.4	216.2	189.9	216.2	242.4	249.0	416.3	639.5	751.0	901.6	1202.8



TEST NUMBER: P934837

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	261.0	235.9	210.9	235.9	261.0	267.3	416.5	615.4	714.9	869.0	1177.2
115°	288.9	265.8	242.7	265.8	288.9	294.7	420.3	587.8	671.6	820.0	1116.9
117.5°	316.0	295.0	274.0	295.0	316.0	321.3	428.2	570.6	641.8	775.8	1043.7
120°	331.8	312.1	292.3	312.1	331.8	336.8	434.5	564.7	629.9	752.3	997.1
122.5°	350.1	330.1	310.2	330.1	350.1	355.1	443.6	561.8	620.8	731.0	951.4
125°	373.9	355.7	337.6	355.7	373.9	378.5	455.9	559.2	610.9	704.5	891.8
127.5°	396.5	378.2	359.8	378.2	396.5	401.1	468.2	557.7	602.5	682.9	843.7
130°	411.3	391.5	371.7	391.5	411.3	416.2	477.3	558.7	599.3	670.9	814.1
132.5°	423.6	403.8	384.0	403.8	423.6	428.5	484.5	559.2	596.5	660.6	788.8
135°	438.3	420.3	402.3	420.3	438.3	442.9	492.5	558.7	591.7	645.4	752.7
137.5°	456.6	438.8	421.0	438.8	456.6	461.1	504.4	562.1	591.0	636.3	727.0
140°	469.3	452.9	436.5	452.9	469.3	473.4	511.7	562.7	588.2	627.4	705.8
142.5°	478.8	463.6	448.4	463.6	478.8	482.6	517.8	564.7	588.2	622.6	691.4
145°	493.1	479.9	466.7	479.9	493.1	496.4	525.7	564.7	584.2	612.4	668.7
147.5°	510.7	497.8	484.9	497.8	510.7	513.9	537.3	568.6	584.2	606.3	650.7
150°	520.2	508.5	496.8	508.5	520.2	523.1	543.5	570.6	584.2	602.9	640.3
152.5°	526.8	518.0	509.1	518.0	526.8	529.0	547.4	571.9	584.2	600.2	632.1
155°	540.5	533.9	527.4	533.9	540.5	542.1	556.1	574.8	584.2	597.0	622.4
157.5°	553.6	547.3	540.9	547.3	553.6	555.3	564.9	577.8	584.2	594.1	613.9
160°	560.0	555.0	550.1	555.0	560.0	561.2	568.8	579.1	584.2	592.7	609.6
162.5°	566.6	563.0	559.2	563.0	566.6	567.6	573.1	580.6	584.2	591.4	605.7
165°	575.9	572.5	569.1	572.5	575.9	576.7	579.2	582.5	584.2	589.3	599.6
167.5°	581.4	579.9	578.2	579.9	581.4	581.8	584.0	586.8	588.2	591.5	598.2
170°	587.4	585.8	584.2	585.8	587.4	587.8	587.9	588.1	588.2	591.5	598.2
172.5°	588.1	587.7	587.4	587.7	588.1	588.2	588.2	588.2	588.2	590.8	596.1
175°	591.7	591.7	591.7	591.7	591.7	591.7	590.5	588.9	588.2	589.9	593.2
177.5°	591.7	591.7	591.7	591.7	591.7	591.7	590.8	589.6	589.0	590.4	593.0
180°	591.7	591.7	591.7	591.7	591.7	591.7	591.7	591.7	591.7	591.7	591.7



TEST NUMBER: P934837

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1
2.5°	1726.4	1721.4	1728.2	1709.5	1728.2	1721.4	1726.4	1738.3	1728.2	1734.9	1741.7
5°	1514.9	1506.4	1479.3	1457.3	1479.3	1506.4	1514.9	1550.4	1567.3	1597.8	1638.5
7.5°	1354.0	1347.3	1340.6	1327.0	1340.6	1347.3	1354.0	1364.2	1381.1	1408.3	1438.7
10°	1318.5	1320.2	1330.4	1328.7	1330.4	1320.2	1318.5	1315.2	1310.1	1315.2	1333.8
12.5°	1409.9	1425.2	1481.1	1477.6	1481.1	1425.2	1409.9	1342.3	1296.6	1288.1	1291.4
15°	1514.9	1519.9	1531.8	1533.5	1531.8	1519.9	1514.9	1487.8	1350.7	1291.4	1272.8
17.5°	1525.0	1526.8	1535.2	1535.2	1535.2	1526.8	1525.0	1513.2	1467.5	1388.0	1283.0
20°	1516.6	1519.9	1536.9	1540.2	1536.9	1519.9	1516.6	1501.3	1475.9	1447.1	1367.6
22.5°	1513.2	1519.9	1533.5	1531.8	1533.5	1519.9	1513.2	1489.5	1467.5	1447.1	1415.0
25°	1496.3	1496.3	1498.0	1499.7	1498.0	1496.3	1496.3	1477.6	1433.7	1428.5	1409.9
27.5°	1460.7	1464.1	1474.2	1472.6	1474.2	1464.1	1460.7	1454.0	1406.6	1401.5	1388.0
30°	1428.5	1425.2	1416.7	1409.9	1416.7	1425.2	1428.5	1418.4	1371.0	1357.5	1360.9
32.5°	1374.4	1365.9	1357.5	1352.4	1357.5	1365.9	1374.4	1371.0	1335.4	1316.8	1320.2
35°	1310.1	1311.8	1310.1	1305.0	1310.1	1311.8	1310.1	1313.5	1291.4	1274.5	1272.8
37.5°	1264.4	1267.8	1266.1	1259.3	1266.1	1267.8	1264.4	1260.9	1230.5	1225.4	1228.8
40°	1217.0	1218.7	1217.0	1211.9	1217.0	1218.7	1217.0	1210.2	1167.9	1169.6	1181.4
42.5°	1171.3	1169.6	1164.5	1161.1	1164.5	1169.6	1171.3	1161.1	1106.9	1101.9	1123.9
45°	1118.8	1120.5	1110.4	1105.2	1110.4	1120.5	1118.8	1112.1	1056.2	1042.6	1057.8
47.5°	1066.4	1066.4	1057.8	1052.8	1057.8	1066.4	1066.4	1057.8	998.6	985.1	993.5
50°	1010.5	1008.8	996.9	995.2	996.9	1008.8	1010.5	1005.4	942.8	930.9	930.9
52.5°	946.2	946.2	947.8	951.2	947.8	946.2	946.2	947.8	892.0	880.2	876.8
55°	890.3	892.0	903.8	907.3	903.8	892.0	890.3	890.3	839.5	827.7	820.9
57.5°	832.8	832.8	841.2	841.2	841.2	832.8	832.8	829.4	780.3	770.2	766.8
60°	766.8	770.2	776.9	775.2	776.9	770.2	766.8	763.3	721.1	714.3	702.4
62.5°	697.3	700.7	702.4	699.0	702.4	700.7	697.3	687.2	661.8	656.7	641.5
65°	624.5	628.0	629.7	626.2	629.7	628.0	624.5	619.5	600.9	592.4	578.8
67.5°	550.1	548.4	546.7	553.5	546.7	548.4	550.1	543.3	531.4	524.7	506.1
70°	474.0	474.0	472.2	475.6	472.2	474.0	474.0	468.8	462.1	457.0	440.0
72.5°	392.6	391.0	397.8	392.6	397.8	391.0	392.6	391.0	387.6	382.6	365.6
75°	313.1	316.5	313.1	318.2	313.1	316.5	313.1	314.8	313.1	309.7	297.9
77.5°	238.6	242.1	238.6	238.6	238.6	242.1	238.6	240.4	240.4	240.4	230.2
80°	169.3	167.6	167.6	165.9	167.6	167.6	169.3	169.3	170.9	167.6	164.2
82.5°	108.3	106.6	106.6	110.0	106.6	106.6	108.3	110.0	106.6	106.6	106.6
85°	59.3	60.9	57.6	57.6	57.6	60.9	59.3	55.9	59.3	59.3	57.6
87.5°	22.0	20.3	20.3	20.3	20.3	20.3	22.0	23.7	23.7	23.7	25.4
90°	15.1	15.1	15.1	15.1	15.1	15.1	15.1	20.2	26.8	30.2	25.9
92.5°	75.4	72.4	60.4	48.4	60.4	72.4	75.4	106.9	149.0	170.0	149.2
95°	256.2	247.1	210.7	174.3	210.7	247.1	256.2	336.4	443.4	496.8	419.6
97.5°	591.4	574.1	504.9	435.7	504.9	574.1	591.4	642.1	709.7	743.5	614.7
100°	830.5	809.9	727.4	645.0	727.4	809.9	830.5	826.8	821.8	819.4	676.5
102.5°	1034.6	1016.9	946.4	875.7	946.4	1016.9	1034.6	970.0	883.9	840.8	695.9
105°	1272.9	1263.4	1225.4	1187.5	1225.4	1263.4	1272.9	1128.0	934.9	838.4	698.1
107.5°	1396.8	1399.1	1408.3	1417.4	1408.3	1399.1	1396.8	1194.8	925.4	790.8	667.0
110°	1428.6	1438.5	1478.0	1517.5	1478.0	1438.5	1428.6	1202.8	901.6	751.0	639.5



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1408.3	1423.5	1484.2	1544.9	1484.2	1423.5	1408.3	1177.2	869.0	714.9	615.4
115°	1339.6	1360.6	1444.8	1529.1	1444.8	1360.6	1339.6	1116.9	820.0	671.6	587.8
117.5°	1244.7	1268.0	1361.4	1454.8	1361.4	1268.0	1244.7	1043.7	775.8	641.8	570.6
120°	1180.7	1203.5	1294.2	1384.9	1294.2	1203.5	1180.7	997.1	752.3	629.9	564.7
122.5°	1116.8	1139.2	1228.7	1318.2	1228.7	1139.2	1116.8	951.4	731.0	620.8	561.8
125°	1032.2	1052.8	1135.3	1217.7	1135.3	1052.8	1032.2	891.8	704.5	610.9	559.2
127.5°	964.3	981.7	1051.3	1120.8	1051.3	981.7	964.3	843.7	682.9	602.5	557.7
130°	921.4	937.5	1001.7	1066.0	1001.7	937.5	921.4	814.1	670.9	599.3	558.7
132.5°	884.9	899.2	956.8	1014.4	956.8	899.2	884.9	788.8	660.6	596.5	559.2
135°	833.2	845.6	895.2	944.8	895.2	845.6	833.2	752.7	645.4	591.7	558.7
137.5°	795.1	805.3	845.8	886.5	845.8	805.3	795.1	727.0	636.3	591.0	562.1
140°	764.5	774.0	812.0	849.9	812.0	774.0	764.5	705.8	627.4	588.2	562.7
142.5°	743.1	751.3	783.9	816.5	783.9	751.3	743.1	691.4	622.6	588.2	564.7
145°	710.9	717.0	741.8	766.5	741.8	717.0	710.9	668.7	612.4	584.2	564.7
147.5°	683.9	689.0	709.4	729.9	709.4	689.0	683.9	650.7	606.3	584.2	568.6
150°	668.4	672.6	689.2	705.8	689.2	672.6	668.4	640.3	602.9	584.2	570.6
152.5°	656.1	659.3	671.8	684.3	671.8	659.3	656.1	632.1	600.2	584.2	571.9
155°	641.5	643.5	651.8	660.1	651.8	643.5	641.5	622.4	597.0	584.2	574.8
157.5°	628.7	630.2	636.0	641.8	636.0	630.2	628.7	613.9	594.1	584.2	577.8
160°	622.3	623.2	626.5	629.9	626.5	623.2	622.3	609.6	592.7	584.2	579.1
162.5°	616.4	617.2	620.4	623.5	620.4	617.2	616.4	605.7	591.4	584.2	580.6
165°	607.3	608.1	611.5	614.8	611.5	608.1	607.3	599.6	589.3	584.2	582.5
167.5°	603.3	603.6	605.1	606.4	605.1	603.6	603.3	598.2	591.5	588.2	586.8
170°	603.3	603.3	603.3	603.3	603.3	603.3	603.3	598.2	591.5	588.2	588.1
172.5°	600.1	599.8	598.6	597.3	598.6	599.8	600.1	596.1	590.8	588.2	588.2
175°	595.8	595.8	595.8	595.8	595.8	595.8	595.8	593.2	589.9	588.2	588.9
177.5°	595.0	594.6	593.2	591.7	593.2	594.6	595.0	593.0	590.4	589.0	589.6
180°	591.7	591.7	591.7	591.7	591.7	591.7	591.7	591.7	591.7	591.7	591.7



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1789.1	1789.1	1789.1	1789.1	1789.1
2.5°	1767.1	1775.6	1780.6	1787.3	1804.3
5°	1699.4	1731.6	1741.7	1767.1	1797.5
7.5°	1550.4	1648.6	1675.7	1736.6	1784.0
10°	1406.6	1504.7	1552.1	1696.0	1767.1
12.5°	1333.8	1391.3	1423.5	1624.9	1743.4
15°	1288.1	1328.7	1352.4	1530.1	1716.3
17.5°	1252.5	1281.3	1298.2	1437.0	1679.0
20°	1230.5	1244.0	1259.3	1369.3	1636.8
22.5°	1215.3	1206.8	1218.7	1321.9	1579.2
25°	1205.2	1173.0	1186.6	1284.7	1511.5
27.5°	1213.6	1142.5	1147.6	1250.9	1440.4
30°	1215.3	1105.2	1106.9	1215.3	1360.9
32.5°	1203.5	1066.4	1068.0	1171.3	1271.1
35°	1174.7	1020.6	1019.0	1120.5	1149.3
37.5°	1135.7	971.6	971.6	1064.7	1015.6
40°	1088.3	922.5	927.6	991.9	897.1
42.5°	1030.8	870.0	876.8	895.4	809.0
45°	968.2	819.2	824.3	756.6	741.4
47.5°	898.8	766.8	768.5	628.0	719.3
50°	815.9	712.6	705.9	538.3	717.6
52.5°	743.1	653.3	633.0	487.5	651.6
55°	671.9	590.7	546.7	448.5	604.3
57.5°	609.3	509.5	467.1	402.8	594.1
60°	551.8	429.9	397.8	353.8	545.0
62.5°	504.4	370.7	363.9	319.9	494.2
65°	453.6	330.0	328.3	291.1	419.8
67.5°	404.5	303.0	301.3	264.0	319.9
70°	352.1	274.2	270.8	235.3	236.9
72.5°	297.9	242.1	238.6	211.6	196.4
75°	243.8	204.8	203.1	184.5	159.1
77.5°	191.2	162.5	165.9	149.0	116.8
80°	137.1	118.5	121.9	106.6	88.0
82.5°	91.4	77.9	81.2	67.7	59.3
85°	50.8	44.0	45.7	35.5	27.1
87.5°	23.7	20.3	20.3	13.6	8.5
90°	17.4	11.1	10.3	7.1	3.9
92.5°	107.7	76.6	69.9	42.9	15.9
95°	265.1	149.3	136.9	87.5	38.1
97.5°	357.2	164.0	153.1	109.5	65.9
100°	390.7	176.4	166.5	126.9	87.4
102.5°	406.1	188.7	179.5	142.6	105.7
105°	417.4	207.0	199.2	167.9	136.7
107.5°	419.5	233.9	226.7	197.6	168.4
110°	416.3	249.0	242.4	216.2	189.9



TEST NUMBER: P934837

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	416.5	267.3	261.0	235.9	210.9
115°	420.3	294.7	288.9	265.8	242.7
117.5°	428.2	321.3	316.0	295.0	274.0
120°	434.5	336.8	331.8	312.1	292.3
122.5°	443.6	355.1	350.1	330.1	310.2
125°	455.9	378.5	373.9	355.7	337.6
127.5°	468.2	401.1	396.5	378.2	359.8
130°	477.3	416.2	411.3	391.5	371.7
132.5°	484.5	428.5	423.6	403.8	384.0
135°	492.5	442.9	438.3	420.3	402.3
137.5°	504.4	461.1	456.6	438.8	421.0
140°	511.7	473.4	469.3	452.9	436.5
142.5°	517.8	482.6	478.8	463.6	448.4
145°	525.7	496.4	493.1	479.9	466.7
147.5°	537.3	513.9	510.7	497.8	484.9
150°	543.5	523.1	520.2	508.5	496.8
152.5°	547.4	529.0	526.8	518.0	509.1
155°	556.1	542.1	540.5	533.9	527.4
157.5°	564.9	555.3	553.6	547.3	540.9
160°	568.8	561.2	560.0	555.0	550.1
162.5°	573.1	567.6	566.6	563.0	559.2
165°	579.2	576.7	575.9	572.5	569.1
167.5°	584.0	581.8	581.4	579.9	578.2
170°	587.9	587.8	587.4	585.8	584.2
172.5°	588.2	588.2	588.1	587.7	587.4
175°	590.5	591.7	591.7	591.7	591.7
177.5°	590.8	591.7	591.7	591.7	591.7
180°	591.7	591.7	591.7	591.7	591.7



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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	13.58	14.49	14.50	15.42	16.62	16.41	17.31	17.32	18.25	19.45
	3H	14.06	14.88	14.99	15.82	17.04	17.75	18.57	18.68	19.51	20.74
	4H	14.26	15.02	15.20	15.97	17.21	18.20	18.97	19.14	19.92	21.15
	6H	14.38	15.09	15.33	16.04	17.29	18.49	19.19	19.44	20.15	21.39
	8H	14.38	15.05	15.34	16.03	17.27	18.56	19.23	19.52	20.20	21.45
	12H	14.35	14.99	15.32	15.96	17.23	18.60	19.24	19.57	20.21	21.48
4H	2H	14.62	15.39	15.57	16.34	17.57	16.82	17.59	17.77	18.54	19.77
	3H	15.65	16.29	16.61	17.27	18.52	18.33	18.97	19.29	19.95	21.20
	4H	15.93	16.51	16.90	17.49	18.76	18.86	19.44	19.83	20.42	21.69
	6H	16.06	16.56	17.04	17.56	18.83	19.23	19.73	20.21	20.72	22.00
	8H	16.06	16.53	17.05	17.52	18.81	19.33	19.80	20.31	20.79	22.08
	12H	16.03	16.46	17.03	17.46	18.75	19.39	19.81	20.39	20.82	22.11
8H	4H	16.39	16.85	17.37	17.84	19.13	18.99	19.46	19.97	20.45	21.73
	6H	16.65	17.04	17.66	18.07	19.35	19.42	19.81	20.43	20.84	22.13
	8H	16.69	17.03	17.71	18.05	19.36	19.58	19.92	20.59	20.94	22.24
	12H	16.68	16.98	17.70	17.99	19.34	19.67	19.98	20.69	20.99	22.34
12H	4H	16.39	16.82	17.39	17.82	19.12	18.95	19.38	19.95	20.38	21.68
	6H	16.71	17.05	17.72	18.07	19.37	19.42	19.76	20.44	20.78	22.09
	8H	16.78	17.08	17.80	18.09	19.44	19.58	19.89	20.60	20.90	22.25