

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: P935333

Luminaire Tested: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-4-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935333
REPORT IS A COMBINATION OF REPORTS P933750 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-4-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

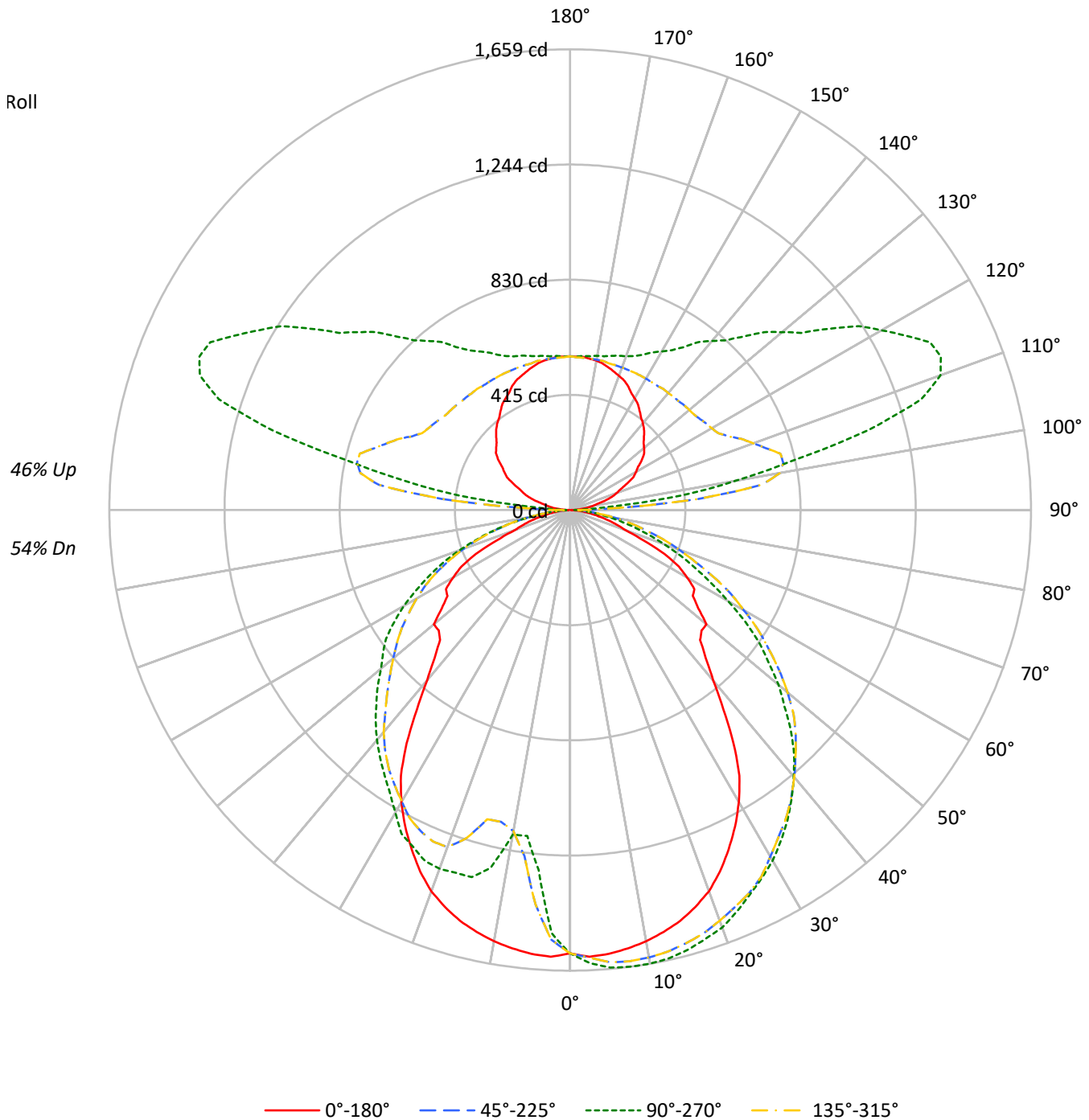
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7728.3 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 68.8
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

TEST NUMBER: P935333
CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-4-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P935333

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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	85	85	85	72	72	72	59	59	59	54
1	99	94	90	87	91	88	84	81	75	73	70	63	62	60	53	51	50	45
2	90	82	76	71	83	77	71	67	66	62	58	56	53	50	46	44	42	38
3	82	72	65	59	76	67	61	56	58	53	49	49	46	42	41	38	36	32
4	75	64	56	50	69	60	53	47	51	46	42	44	40	36	37	34	31	28
5	69	57	49	43	64	53	46	41	46	40	36	39	35	31	33	30	27	24
6	63	51	43	37	59	48	41	35	41	36	31	35	31	28	30	26	24	21
7	59	46	38	33	54	43	36	31	38	32	28	32	28	24	27	24	21	19
8	54	42	34	29	50	39	32	27	34	29	24	29	25	22	25	22	19	17
9	51	38	31	26	47	36	29	24	31	26	22	27	23	19	23	20	17	15
10	47	35	28	23	44	33	26	22	29	23	20	25	21	18	21	18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14816	14816	14816	14816
5°	14910	14956	14910	11760
10°	14795	14733	14795	10533
15°	14616	14413	14616	12036
20°	14295	14036	14295	12060
25°	13652	13484	13652	11805
30°	12828	13026	12828	11244
35°	11419	12447	11419	10628
40°	9499	11765	9499	10161
45°	8470	10967	8470	9625
50°	8979	10014	8979	9087
55°	8424	8989	8424	8777
60°	8652	7635	8652	8039
65°	7806	6311	7806	7056
70°	5369	5031	5369	5913
75°	4657	3719	4657	4452
80°	3679	2457	3679	2676
85°	2004	1301	2004	1105

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13008 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.1	1.9
10°-20°	409.2	5.3
20°-30°	632.6	8.2
30°-40°	755.2	9.8
40°-50°	759.6	9.8
50°-60°	660.9	8.6
60°-70°	468.6	6.1
70°-80°	247.9	3.2
80°-90°	63.9	0.8
90°-100°	269.7	3.5
100°-110°	709.0	9.2
110°-120°	735.1	9.5
120°-130°	589.6	7.6
130°-140°	462.7	6.0
140°-150°	355.1	4.6
150°-160°	255.7	3.3
160°-170°	156.5	2.0
170°-180°	52.9	0.7
0°-30°	1185.9	15.3
0°-40°	1941.1	25.1
0°-60°	3361.7	43.5
0°-90°	4142.1	53.6
90°-120°	1713.7	22.2
90°-150°	3121.1	40.4
90°-180°	3586.0	46.4
0°-180°	7728.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1597	1597	1597	1597	1597	
5°	1604	1654	1604	1301	1604	152
15°	1532	1639	1532	1369	1532	431
25°	1349	1529	1349	1338	1349	619
35°	1026	1364	1026	1165	1026	635
45°	662	1124	662	986	662	530
55°	539	829	539	810	539	496
65°	375	500	375	559	375	358
75°	142	237	142	284	142	149
85°	24	60	24	51	24	33
90°	4	14	4	14	4	4
95°	36	163	36	163	36	40
105°	128	1110	128	1110	128	135
115°	227	1429	227	1429	227	224
125°	316	1138	316	1138	316	280
135°	376	883	376	883	376	291
145°	436	717	436	717	436	273
155°	493	617	493	617	493	227
165°	532	575	532	575	532	150
175°	553	557	553	557	553	53
180°	553	553	553	553	553	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1596.7	1596.7	1596.7	1596.7	1596.7	1596.7	1596.7	1596.7	1596.7	1596.7	1596.7
2.5°	1610.3	1610.3	1619.4	1622.4	1622.4	1617.9	1613.3	1617.9	1631.4	1636.0	1634.5
5°	1604.2	1616.4	1633.0	1636.0	1639.0	1637.5	1634.5	1637.5	1652.6	1655.6	1657.1
7.5°	1592.2	1614.8	1636.0	1640.5	1645.0	1640.5	1639.0	1642.1	1657.1	1660.2	1660.2
10°	1577.1	1608.8	1633.0	1636.0	1640.5	1636.0	1636.0	1642.1	1657.1	1660.2	1661.7
12.5°	1555.9	1599.8	1622.4	1625.4	1631.4	1629.9	1628.4	1634.5	1649.6	1652.6	1652.6
15°	1531.7	1583.2	1604.2	1607.3	1617.9	1614.8	1614.8	1620.9	1637.5	1642.1	1640.5
17.5°	1498.5	1562.0	1586.1	1590.6	1598.2	1596.7	1598.2	1604.2	1619.4	1622.4	1623.9
20°	1460.8	1533.3	1562.0	1566.5	1574.0	1574.0	1574.0	1581.6	1596.7	1602.8	1602.8
22.5°	1409.4	1503.1	1533.3	1536.3	1545.3	1545.3	1548.3	1559.0	1572.5	1574.0	1574.0
25°	1348.9	1469.8	1495.5	1504.6	1513.6	1518.2	1522.7	1528.7	1533.3	1531.7	1533.3
27.5°	1285.6	1427.5	1460.8	1466.8	1478.9	1483.4	1489.4	1490.9	1492.5	1497.0	1494.0
30°	1214.5	1368.6	1418.5	1424.5	1444.2	1447.1	1441.1	1444.2	1451.7	1454.7	1457.7
32.5°	1134.4	1281.0	1374.6	1388.2	1406.4	1397.3	1395.8	1400.3	1412.4	1412.4	1415.4
35°	1025.7	1213.0	1333.8	1346.0	1359.5	1348.9	1355.0	1356.5	1364.1	1368.6	1367.1
37.5°	906.4	1154.1	1291.5	1300.6	1311.2	1297.6	1306.7	1311.2	1317.2	1314.2	1314.2
40°	800.6	1062.0	1241.7	1247.8	1256.8	1246.3	1255.3	1258.3	1261.4	1258.3	1256.8
42.5°	722.0	960.7	1188.9	1196.4	1190.3	1197.9	1200.9	1207.0	1202.4	1196.4	1196.4
45°	661.6	933.6	1131.4	1140.5	1131.4	1143.5	1148.1	1148.1	1134.4	1131.4	1130.0
47.5°	642.0	879.1	1074.0	1074.0	1069.5	1084.6	1092.1	1081.6	1068.0	1063.5	1063.5
50°	640.5	818.7	995.4	989.5	1010.6	1028.7	1021.2	1010.6	1000.0	983.4	983.4
52.5°	581.5	744.7	894.3	916.9	950.2	960.7	948.7	938.1	919.9	912.4	906.4
55°	539.3	667.7	802.1	847.5	882.2	895.7	873.2	862.5	835.4	830.9	827.8
57.5°	530.2	555.9	717.6	775.0	817.2	815.8	802.1	782.5	759.8	755.3	753.8
60°	486.4	401.9	626.9	694.9	738.6	734.2	722.0	703.9	682.8	679.7	676.8
62.5°	441.1	291.5	524.1	601.2	663.1	661.6	651.1	623.9	608.8	601.2	595.2
65°	374.6	244.8	373.1	500.0	589.1	592.2	569.5	549.9	533.3	524.1	522.6
67.5°	285.5	199.4	252.3	416.9	518.2	515.1	486.4	477.4	456.2	451.7	442.7
70°	211.5	132.9	175.2	338.4	448.6	441.1	418.5	407.8	388.2	377.7	371.6
72.5°	175.2	107.3	128.4	262.9	377.7	368.6	348.9	336.9	320.3	311.2	305.1
75°	142.0	113.3	98.2	194.9	306.6	300.6	282.5	270.4	256.8	244.8	246.2
77.5°	104.3	105.8	78.6	143.5	243.2	234.1	223.6	208.4	202.4	190.3	190.3
80°	78.6	83.1	58.9	98.2	175.2	175.2	166.2	155.6	145.1	139.0	139.0
82.5°	52.8	52.8	43.8	61.9	119.3	114.8	108.7	105.8	99.7	96.7	96.7
85°	24.2	30.2	27.2	37.8	65.0	68.0	68.0	65.0	63.5	60.4	61.9
87.5°	7.6	13.6	16.6	21.2	33.2	34.7	36.2	36.2	36.2	37.8	37.8
90°	3.7	6.7	9.6	10.4	16.3	24.3	28.2	25.1	18.8	14.1	14.1
92.5°	14.8	40.1	65.3	71.7	100.8	139.5	158.9	139.2	100.0	70.5	67.7
95°	35.6	81.9	128.1	139.6	247.9	392.2	464.4	414.4	314.5	239.5	231.0
97.5°	61.6	102.4	143.2	153.4	333.9	574.7	695.0	663.4	600.2	552.8	536.6
100°	81.7	118.6	155.6	164.9	365.3	632.4	766.0	768.3	772.8	776.3	757.0
102.5°	98.7	133.3	167.7	176.4	379.6	650.5	786.0	826.3	906.8	967.2	950.6
105°	127.7	156.9	186.1	193.4	390.3	652.6	783.8	874.1	1054.5	1190.0	1181.1
107.5°	157.5	184.7	211.9	218.7	392.2	623.5	739.2	865.1	1116.9	1305.8	1308.0
110°	177.5	202.1	226.6	232.8	389.2	597.8	702.0	842.8	1124.3	1335.4	1344.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	197.2	220.6	244.0	249.8	389.4	575.3	668.3	812.4	1100.4	1316.5	1330.7
115°	226.8	248.4	270.0	275.5	392.9	549.6	627.9	766.7	1044.2	1252.3	1272.0
117.5°	256.2	275.8	295.5	300.4	400.3	533.4	600.0	725.3	975.7	1163.6	1185.4
120°	273.2	291.7	310.2	314.8	406.1	528.0	588.9	703.3	932.2	1103.8	1125.1
122.5°	290.0	308.7	327.3	332.0	414.7	525.1	580.3	683.3	889.4	1044.0	1064.9
125°	315.6	332.6	349.5	353.8	426.2	522.7	571.0	658.6	833.6	964.9	984.2
127.5°	336.3	353.5	370.7	375.0	437.7	521.4	563.2	638.4	788.7	901.5	917.7
130°	347.5	366.0	384.5	389.1	446.1	522.3	560.3	627.2	761.0	861.4	876.4
132.5°	359.0	377.5	396.0	400.6	452.9	522.7	557.6	617.5	737.3	827.2	840.7
135°	376.2	392.9	409.8	414.0	460.4	522.3	553.2	603.4	703.7	778.9	790.5
137.5°	393.6	410.2	426.9	431.0	471.5	525.5	552.4	594.8	679.6	743.3	752.7
140°	408.0	423.4	438.7	442.6	478.4	526.0	549.9	586.5	659.7	714.7	723.6
142.5°	419.2	433.4	447.6	451.1	484.1	527.9	549.9	582.0	646.3	694.6	702.3
145°	436.2	448.6	460.9	464.1	491.5	528.0	546.2	572.5	625.1	664.6	670.4
147.5°	453.4	465.4	477.4	480.4	502.4	531.6	546.2	566.9	608.3	639.4	644.2
150°	464.4	475.3	486.2	489.0	508.1	533.5	546.2	563.7	598.6	624.8	628.7
152.5°	475.9	484.2	492.5	494.5	511.7	534.7	546.2	561.1	590.9	613.3	616.3
155°	493.1	499.2	505.3	506.8	520.0	537.4	546.2	558.1	581.8	599.6	601.5
157.5°	505.7	511.6	517.5	519.1	528.1	540.1	546.2	555.4	573.9	587.7	589.0
160°	514.2	518.9	523.4	524.6	531.8	541.4	546.2	554.1	569.9	581.8	582.6
162.5°	522.7	526.2	529.7	530.6	535.8	542.7	546.2	552.9	566.2	576.2	576.9
165°	532.0	535.1	538.2	539.1	541.5	544.6	546.2	551.0	560.6	567.7	568.5
167.5°	540.6	542.1	543.6	544.0	545.9	548.5	549.9	553.0	559.2	564.0	564.3
170°	546.2	547.6	549.1	549.5	549.6	549.8	549.9	553.0	559.2	564.0	564.0
172.5°	549.1	549.5	549.8	549.9	549.9	549.9	549.9	552.4	557.3	561.0	560.7
175°	553.2	553.2	553.2	553.2	552.1	550.6	549.9	551.5	554.6	556.9	556.9
177.5°	553.2	553.2	553.2	553.2	552.4	551.2	550.6	551.8	554.3	556.2	555.8
180°	553.2	553.2	553.2	553.2	553.2	553.2	553.2	553.2	553.2	553.2	553.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1596.7	1596.7	1596.7	1596.7	1596.7	1596.7	1596.7	1596.7	1596.7	1596.7	1596.7
2.5°	1637.5	1633.0	1637.5	1634.5	1636.0	1631.4	1617.9	1613.3	1617.9	1622.4	1622.4
5°	1657.1	1654.1	1657.1	1657.1	1655.6	1652.6	1637.5	1634.5	1637.5	1639.0	1636.0
7.5°	1663.1	1658.7	1663.1	1660.2	1660.2	1657.1	1642.1	1639.0	1640.5	1645.0	1640.5
10°	1663.1	1658.7	1663.1	1661.7	1660.2	1657.1	1642.1	1636.0	1636.0	1640.5	1636.0
12.5°	1655.6	1652.6	1655.6	1652.6	1652.6	1649.6	1634.5	1628.4	1629.9	1631.4	1625.4
15°	1643.5	1639.0	1643.5	1640.5	1642.1	1637.5	1620.9	1614.8	1614.8	1617.9	1607.3
17.5°	1625.4	1619.4	1625.4	1623.9	1622.4	1619.4	1604.2	1598.2	1596.7	1598.2	1590.6
20°	1604.2	1599.8	1604.2	1602.8	1602.8	1596.7	1581.6	1574.0	1574.0	1574.0	1566.5
22.5°	1571.0	1566.5	1571.0	1574.0	1574.0	1572.5	1559.0	1548.3	1545.3	1545.3	1536.3
25°	1533.3	1528.7	1533.3	1533.3	1531.7	1533.3	1528.7	1522.7	1518.2	1513.6	1504.6
27.5°	1497.0	1494.0	1497.0	1494.0	1497.0	1492.5	1490.9	1489.4	1483.4	1478.9	1466.8
30°	1460.8	1457.7	1460.8	1457.7	1454.7	1451.7	1444.2	1441.1	1447.1	1444.2	1424.5
32.5°	1415.4	1412.4	1415.4	1415.4	1412.4	1412.4	1400.3	1395.8	1397.3	1406.4	1388.2
35°	1368.6	1364.1	1368.6	1367.1	1368.6	1364.1	1356.5	1355.0	1348.9	1359.5	1346.0
37.5°	1314.2	1309.7	1314.2	1314.2	1314.2	1317.2	1311.2	1306.7	1297.6	1311.2	1300.6
40°	1258.3	1252.3	1258.3	1256.8	1258.3	1261.4	1258.3	1255.3	1246.3	1256.8	1247.8
42.5°	1194.9	1193.3	1194.9	1196.4	1196.4	1202.4	1207.0	1200.9	1197.9	1190.3	1196.4
45°	1126.9	1123.9	1126.9	1130.0	1131.4	1134.4	1148.1	1148.1	1143.5	1131.4	1140.5
47.5°	1054.4	1046.9	1054.4	1063.5	1063.5	1068.0	1081.6	1092.1	1084.6	1069.5	1074.0
50°	977.3	978.8	977.3	983.4	983.4	1000.0	1010.6	1021.2	1028.7	1010.6	989.5
52.5°	901.8	900.3	901.8	906.4	912.4	919.9	938.1	948.7	960.7	950.2	916.9
55°	826.3	829.3	826.3	827.8	830.9	835.4	862.5	873.2	895.7	882.2	847.5
57.5°	750.8	746.2	750.8	753.8	755.3	759.8	782.5	802.1	815.8	817.2	775.0
60°	663.1	657.1	663.1	676.8	679.7	682.8	703.9	722.0	734.2	738.6	694.9
62.5°	586.1	575.6	586.1	595.2	601.2	608.8	623.9	651.1	661.6	663.1	601.2
65°	504.5	500.0	504.5	522.6	524.1	533.3	549.9	569.5	592.2	589.1	500.0
67.5°	430.5	430.5	430.5	442.7	451.7	456.2	477.4	486.4	515.1	518.2	416.9
70°	362.6	361.1	362.6	371.6	377.7	388.2	407.8	418.5	441.1	448.6	338.4
72.5°	297.6	296.1	297.6	305.1	311.2	320.3	336.9	348.9	368.6	377.7	262.9
75°	240.2	237.2	240.2	246.2	244.8	256.8	270.4	282.5	300.6	306.6	194.9
77.5°	184.3	184.3	184.3	190.3	190.3	202.4	208.4	223.6	234.1	243.2	143.5
80°	137.5	135.9	137.5	139.0	139.0	145.1	155.6	166.2	175.2	175.2	98.2
82.5°	96.7	93.6	96.7	96.7	96.7	99.7	105.8	108.7	114.8	119.3	61.9
85°	60.4	60.4	60.4	61.9	60.4	63.5	65.0	68.0	68.0	65.0	37.8
87.5°	39.3	37.8	39.3	37.8	37.8	36.2	36.2	36.2	34.7	33.2	21.2
90°	14.1	14.1	14.1	14.1	14.1	18.8	25.1	28.2	24.3	16.3	10.4
92.5°	56.5	45.3	56.5	67.7	70.5	100.0	139.2	158.9	139.5	100.8	71.7
95°	197.0	163.0	197.0	231.0	239.5	314.5	414.4	464.4	392.2	247.9	139.6
97.5°	471.9	407.3	471.9	536.6	552.8	600.2	663.4	695.0	574.7	333.9	153.4
100°	680.0	603.0	680.0	757.0	776.3	772.8	768.3	766.0	632.4	365.3	164.9
102.5°	884.7	818.7	884.7	950.6	967.2	906.8	826.3	786.0	650.5	379.6	176.4
105°	1145.6	1110.2	1145.6	1181.1	1190.0	1054.5	874.1	783.8	652.6	390.3	193.4
107.5°	1316.5	1325.1	1316.5	1308.0	1305.8	1116.9	865.1	739.2	623.5	392.2	218.7
110°	1381.7	1418.6	1381.7	1344.7	1335.4	1124.3	842.8	702.0	597.8	389.2	232.8



TEST NUMBER: P935333

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1387.5	1444.3	1387.5	1330.7	1316.5	1100.4	812.4	668.3	575.3	389.4	249.8
115°	1350.7	1429.4	1350.7	1272.0	1252.3	1044.2	766.7	627.9	549.6	392.9	275.5
117.5°	1272.7	1360.0	1272.7	1185.4	1163.6	975.7	725.3	600.0	533.4	400.3	300.4
120°	1209.9	1294.7	1209.9	1125.1	1103.8	932.2	703.3	588.9	528.0	406.1	314.8
122.5°	1148.6	1232.3	1148.6	1064.9	1044.0	889.4	683.3	580.3	525.1	414.7	332.0
125°	1061.2	1138.4	1061.2	984.2	964.9	833.6	658.6	571.0	522.7	426.2	353.8
127.5°	982.8	1047.8	982.8	917.7	901.5	788.7	638.4	563.2	521.4	437.7	375.0
130°	936.4	996.5	936.4	876.4	861.4	761.0	627.2	560.3	522.3	446.1	389.1
132.5°	894.4	948.2	894.4	840.7	827.2	737.3	617.5	557.6	522.7	452.9	400.6
135°	836.8	883.2	836.8	790.5	778.9	703.7	603.4	553.2	522.3	460.4	414.0
137.5°	790.8	828.7	790.8	752.7	743.3	679.6	594.8	552.4	525.5	471.5	431.0
140°	759.1	794.5	759.1	723.6	714.7	659.7	586.5	549.9	526.0	478.4	442.6
142.5°	732.8	763.4	732.8	702.3	694.6	646.3	582.0	549.9	527.9	484.1	451.1
145°	693.5	716.6	693.5	670.4	664.6	625.1	572.5	546.2	528.0	491.5	464.1
147.5°	663.3	682.4	663.3	644.2	639.4	608.3	566.9	546.2	531.6	502.4	480.4
150°	644.2	659.7	644.2	628.7	624.8	598.6	563.7	546.2	533.5	508.1	489.0
152.5°	628.0	639.7	628.0	616.3	613.3	590.9	561.1	546.2	534.7	511.7	494.5
155°	609.3	617.1	609.3	601.5	599.6	581.8	558.1	546.2	537.4	520.0	506.8
157.5°	594.6	600.0	594.6	589.0	587.7	573.9	555.4	546.2	540.1	528.1	519.1
160°	585.7	588.9	585.7	582.6	581.8	569.9	554.1	546.2	541.4	531.8	524.6
162.5°	579.9	582.9	579.9	576.9	576.2	566.2	552.9	546.2	542.7	535.8	530.6
165°	571.6	574.8	571.6	568.5	567.7	560.6	551.0	546.2	544.6	541.5	539.1
167.5°	565.6	566.9	565.6	564.3	564.0	559.2	553.0	549.9	548.5	545.9	544.0
170°	564.0	564.0	564.0	564.0	564.0	559.2	553.0	549.9	549.8	549.6	549.5
172.5°	559.6	558.4	559.6	560.7	561.0	557.3	552.4	549.9	549.9	549.9	549.9
175°	556.9	556.9	556.9	556.9	556.9	554.6	551.5	549.9	550.6	552.1	553.2
177.5°	554.6	553.2	554.6	555.8	556.2	554.3	551.8	550.6	551.2	552.4	553.2
180°	553.2	553.2	553.2	553.2	553.2	553.2	553.2	553.2	553.2	553.2	553.2



TEST NUMBER: P935333

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1596.7	1596.7	1596.7	1596.7	1596.7	1596.7	1596.7	1596.7	1596.7	1596.7	1596.7
2.5°	1619.4	1610.3	1610.3	1595.2	1589.1	1584.6	1577.1	1554.4	1548.3	1542.4	1551.4
5°	1633.0	1616.4	1604.2	1577.1	1554.4	1545.3	1516.7	1462.3	1426.0	1398.8	1383.7
7.5°	1636.0	1614.8	1592.2	1549.9	1495.5	1471.3	1383.7	1284.0	1256.8	1232.6	1217.5
10°	1633.0	1608.8	1577.1	1513.6	1385.3	1342.9	1255.3	1190.3	1173.7	1169.2	1173.7
12.5°	1622.4	1599.8	1555.9	1450.2	1270.4	1241.7	1190.3	1152.6	1149.6	1157.1	1197.9
15°	1604.2	1583.2	1531.7	1365.6	1207.0	1185.8	1149.6	1135.9	1152.6	1205.5	1327.9
17.5°	1586.1	1562.0	1498.5	1282.5	1158.6	1143.5	1117.8	1145.1	1238.7	1309.7	1350.4
20°	1562.0	1533.3	1460.8	1222.1	1123.9	1110.3	1098.2	1220.6	1291.5	1317.2	1339.9
22.5°	1533.3	1503.1	1409.4	1179.8	1087.7	1077.0	1084.6	1262.9	1291.5	1309.7	1329.3
25°	1495.5	1469.8	1348.9	1146.6	1058.9	1046.9	1075.5	1258.3	1274.9	1279.5	1318.8
27.5°	1460.8	1427.5	1285.6	1116.3	1024.2	1019.6	1083.1	1238.7	1250.7	1255.3	1297.6
30°	1418.5	1368.6	1214.5	1084.6	988.0	986.4	1084.6	1214.5	1211.5	1223.6	1265.9
32.5°	1374.6	1281.0	1134.4	1045.3	953.2	951.7	1074.0	1178.3	1175.2	1191.8	1223.6
35°	1333.8	1213.0	1025.7	1000.0	909.4	910.9	1048.4	1135.9	1137.5	1152.6	1172.2
37.5°	1291.5	1154.1	906.4	950.2	867.1	867.1	1013.6	1096.7	1093.6	1098.2	1125.4
40°	1241.7	1062.0	800.6	885.2	827.8	823.3	971.3	1054.4	1043.8	1042.3	1080.1
42.5°	1188.9	960.7	722.0	799.1	782.5	776.5	919.9	1003.0	983.4	988.0	1036.2
45°	1131.4	933.6	661.6	675.3	735.7	731.1	864.1	944.1	930.6	942.6	992.5
47.5°	1074.0	879.1	642.0	560.5	685.8	684.3	802.1	886.7	879.1	891.3	944.1
50°	995.4	818.7	640.5	480.4	629.9	636.0	728.1	830.9	830.9	841.4	897.3
52.5°	894.3	744.7	581.5	435.1	564.9	583.1	663.1	782.5	785.5	796.1	845.9
55°	802.1	667.7	539.3	400.3	487.9	527.2	599.8	732.7	738.6	749.3	794.6
57.5°	717.6	555.9	530.2	359.5	416.9	454.7	543.8	684.3	687.3	696.4	740.2
60°	626.9	401.9	486.4	315.7	355.0	383.6	492.5	626.9	637.5	643.5	681.2
62.5°	524.1	291.5	441.1	285.5	324.7	330.8	450.1	572.5	586.1	590.6	613.3
65°	373.1	244.8	374.6	259.8	293.0	294.6	404.8	516.6	528.7	536.3	552.9
67.5°	252.3	199.4	285.5	235.7	268.9	270.4	361.1	451.7	468.3	474.3	484.9
70°	175.2	132.9	211.5	209.9	241.7	244.8	314.2	392.8	407.8	412.4	418.5
72.5°	128.4	107.3	175.2	188.8	213.0	216.0	265.8	326.3	341.4	345.9	348.9
75°	98.2	113.3	142.0	164.7	181.3	182.8	217.5	265.8	276.4	279.5	281.0
77.5°	78.6	105.8	104.3	132.9	148.0	145.1	170.7	205.5	214.5	214.5	214.5
80°	58.9	83.1	78.6	95.2	108.7	105.8	122.4	146.6	149.5	152.5	151.0
82.5°	43.8	52.8	52.8	60.4	72.5	69.4	81.6	95.2	95.2	95.2	98.2
85°	27.2	30.2	24.2	31.7	40.8	39.3	45.3	51.3	52.8	52.8	49.8
87.5°	16.6	13.6	7.6	12.1	18.1	18.1	21.2	22.7	21.2	21.2	21.2
90°	9.6	6.7	3.7	6.7	9.6	10.4	16.3	24.3	28.2	25.1	18.8
92.5°	65.3	40.1	14.8	40.1	65.3	71.7	100.8	139.5	158.9	139.2	100.0
95°	128.1	81.9	35.6	81.9	128.1	139.6	247.9	392.2	464.4	414.4	314.5
97.5°	143.2	102.4	61.6	102.4	143.2	153.4	333.9	574.7	695.0	663.4	600.2
100°	155.6	118.6	81.7	118.6	155.6	164.9	365.3	632.4	766.0	768.3	772.8
102.5°	167.7	133.3	98.7	133.3	167.7	176.4	379.6	650.5	786.0	826.3	906.8
105°	186.1	156.9	127.7	156.9	186.1	193.4	390.3	652.6	783.8	874.1	1054.5
107.5°	211.9	184.7	157.5	184.7	211.9	218.7	392.2	623.5	739.2	865.1	1116.9
110°	226.6	202.1	177.5	202.1	226.6	232.8	389.2	597.8	702.0	842.8	1124.3



TEST NUMBER: P935333

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	244.0	220.6	197.2	220.6	244.0	249.8	389.4	575.3	668.3	812.4	1100.4
115°	270.0	248.4	226.8	248.4	270.0	275.5	392.9	549.6	627.9	766.7	1044.2
117.5°	295.5	275.8	256.2	275.8	295.5	300.4	400.3	533.4	600.0	725.3	975.7
120°	310.2	291.7	273.2	291.7	310.2	314.8	406.1	528.0	588.9	703.3	932.2
122.5°	327.3	308.7	290.0	308.7	327.3	332.0	414.7	525.1	580.3	683.3	889.4
125°	349.5	332.6	315.6	332.6	349.5	353.8	426.2	522.7	571.0	658.6	833.6
127.5°	370.7	353.5	336.3	353.5	370.7	375.0	437.7	521.4	563.2	638.4	788.7
130°	384.5	366.0	347.5	366.0	384.5	389.1	446.1	522.3	560.3	627.2	761.0
132.5°	396.0	377.5	359.0	377.5	396.0	400.6	452.9	522.7	557.6	617.5	737.3
135°	409.8	392.9	376.2	392.9	409.8	414.0	460.4	522.3	553.2	603.4	703.7
137.5°	426.9	410.2	393.6	410.2	426.9	431.0	471.5	525.5	552.4	594.8	679.6
140°	438.7	423.4	408.0	423.4	438.7	442.6	478.4	526.0	549.9	586.5	659.7
142.5°	447.6	433.4	419.2	433.4	447.6	451.1	484.1	527.9	549.9	582.0	646.3
145°	460.9	448.6	436.2	448.6	460.9	464.1	491.5	528.0	546.2	572.5	625.1
147.5°	477.4	465.4	453.4	465.4	477.4	480.4	502.4	531.6	546.2	566.9	608.3
150°	486.2	475.3	464.4	475.3	486.2	489.0	508.1	533.5	546.2	563.7	598.6
152.5°	492.5	484.2	475.9	484.2	492.5	494.5	511.7	534.7	546.2	561.1	590.9
155°	505.3	499.2	493.1	499.2	505.3	506.8	520.0	537.4	546.2	558.1	581.8
157.5°	517.5	511.6	505.7	511.6	517.5	519.1	528.1	540.1	546.2	555.4	573.9
160°	523.4	518.9	514.2	518.9	523.4	524.6	531.8	541.4	546.2	554.1	569.9
162.5°	529.7	526.2	522.7	526.2	529.7	530.6	535.8	542.7	546.2	552.9	566.2
165°	538.2	535.1	532.0	535.1	538.2	539.1	541.5	544.6	546.2	551.0	560.6
167.5°	543.6	542.1	540.6	542.1	543.6	544.0	545.9	548.5	549.9	553.0	559.2
170°	549.1	547.6	546.2	547.6	549.1	549.5	549.6	549.8	549.9	553.0	559.2
172.5°	549.8	549.5	549.1	549.5	549.8	549.9	549.9	549.9	549.9	552.4	557.3
175°	553.2	553.2	553.2	553.2	553.2	553.2	552.1	550.6	549.9	551.5	554.6
177.5°	553.2	553.2	553.2	553.2	553.2	553.2	552.4	551.2	550.6	551.8	554.3
180°	553.2	553.2	553.2	553.2	553.2	553.2	553.2	553.2	553.2	553.2	553.2



TEST NUMBER: P935333

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1596.7	1596.7	1596.7	1596.7	1596.7	1596.7	1596.7	1596.7	1596.7	1596.7	1596.7
2.5°	1540.8	1536.3	1542.4	1525.7	1542.4	1536.3	1540.8	1551.4	1542.4	1548.3	1554.4
5°	1352.0	1344.5	1320.3	1300.6	1320.3	1344.5	1352.0	1383.7	1398.8	1426.0	1462.3
7.5°	1208.5	1202.4	1196.4	1184.3	1196.4	1202.4	1208.5	1217.5	1232.6	1256.8	1284.0
10°	1176.7	1178.3	1187.4	1185.8	1187.4	1178.3	1176.7	1173.7	1169.2	1173.7	1190.3
12.5°	1258.3	1271.9	1321.8	1318.8	1321.8	1271.9	1258.3	1197.9	1157.1	1149.6	1152.6
15°	1352.0	1356.5	1367.1	1368.6	1367.1	1356.5	1352.0	1327.9	1205.5	1152.6	1135.9
17.5°	1361.1	1362.6	1370.1	1370.1	1370.1	1362.6	1361.1	1350.4	1309.7	1238.7	1145.1
20°	1353.5	1356.5	1371.6	1374.6	1371.6	1356.5	1353.5	1339.9	1317.2	1291.5	1220.6
22.5°	1350.4	1356.5	1368.6	1367.1	1368.6	1356.5	1350.4	1329.3	1309.7	1291.5	1262.9
25°	1335.4	1335.4	1336.9	1338.4	1336.9	1335.4	1335.4	1318.8	1279.5	1274.9	1258.3
27.5°	1303.7	1306.7	1315.7	1314.2	1315.7	1306.7	1303.7	1297.6	1255.3	1250.7	1238.7
30°	1274.9	1271.9	1264.4	1258.3	1264.4	1271.9	1274.9	1265.9	1223.6	1211.5	1214.5
32.5°	1226.6	1219.1	1211.5	1207.0	1211.5	1219.1	1226.6	1223.6	1191.8	1175.2	1178.3
35°	1169.2	1170.7	1169.2	1164.7	1169.2	1170.7	1169.2	1172.2	1152.6	1137.5	1135.9
37.5°	1128.5	1131.4	1130.0	1123.9	1130.0	1131.4	1128.5	1125.4	1098.2	1093.6	1096.7
40°	1086.1	1087.7	1086.1	1081.6	1086.1	1087.7	1086.1	1080.1	1042.3	1043.8	1054.4
42.5°	1045.3	1043.8	1039.3	1036.2	1039.3	1043.8	1045.3	1036.2	988.0	983.4	1003.0
45°	998.5	1000.0	991.0	986.4	991.0	1000.0	998.5	992.5	942.6	930.6	944.1
47.5°	951.7	951.7	944.1	939.6	944.1	951.7	951.7	944.1	891.3	879.1	886.7
50°	901.8	900.3	889.8	888.2	889.8	900.3	901.8	897.3	841.4	830.9	830.9
52.5°	844.4	844.4	845.9	849.0	845.9	844.4	844.4	845.9	796.1	785.5	782.5
55°	794.6	796.1	806.7	809.7	806.7	796.1	794.6	794.6	749.3	738.6	732.7
57.5°	743.2	743.2	750.8	750.8	750.8	743.2	743.2	740.2	696.4	687.3	684.3
60°	684.3	687.3	693.4	691.9	693.4	687.3	684.3	681.2	643.5	637.5	626.9
62.5°	622.3	625.4	626.9	623.9	626.9	625.4	622.3	613.3	590.6	586.1	572.5
65°	557.4	560.5	561.9	559.0	561.9	560.5	557.4	552.9	536.3	528.7	516.6
67.5°	490.9	489.4	487.9	494.0	487.9	489.4	490.9	484.9	474.3	468.3	451.7
70°	422.9	422.9	421.5	424.4	421.5	422.9	422.9	418.5	412.4	407.8	392.8
72.5°	350.4	348.9	355.0	350.4	355.0	348.9	350.4	348.9	345.9	341.4	326.3
75°	279.5	282.5	279.5	284.0	279.5	282.5	279.5	281.0	279.5	276.4	265.8
77.5°	213.0	216.0	213.0	213.0	213.0	216.0	213.0	214.5	214.5	214.5	205.5
80°	151.0	149.5	149.5	148.0	149.5	149.5	151.0	151.0	152.5	149.5	146.6
82.5°	96.7	95.2	95.2	98.2	95.2	95.2	96.7	98.2	95.2	95.2	95.2
85°	52.8	54.4	51.3	51.3	51.3	54.4	52.8	49.8	52.8	52.8	51.3
87.5°	19.6	18.1	18.1	18.1	18.1	18.1	19.6	21.2	21.2	21.2	22.7
90°	14.1	14.1	14.1	14.1	14.1	14.1	14.1	18.8	25.1	28.2	24.3
92.5°	70.5	67.7	56.5	45.3	56.5	67.7	70.5	100.0	139.2	158.9	139.5
95°	239.5	231.0	197.0	163.0	197.0	231.0	239.5	314.5	414.4	464.4	392.2
97.5°	552.8	536.6	471.9	407.3	471.9	536.6	552.8	600.2	663.4	695.0	574.7
100°	776.3	757.0	680.0	603.0	680.0	757.0	776.3	772.8	768.3	766.0	632.4
102.5°	967.2	950.6	884.7	818.7	884.7	950.6	967.2	906.8	826.3	786.0	650.5
105°	1190.0	1181.1	1145.6	1110.2	1145.6	1181.1	1190.0	1054.5	874.1	783.8	652.6
107.5°	1305.8	1308.0	1316.5	1325.1	1316.5	1308.0	1305.8	1116.9	865.1	739.2	623.5
110°	1335.4	1344.7	1381.7	1418.6	1381.7	1344.7	1335.4	1124.3	842.8	702.0	597.8



TEST NUMBER: P935333

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1316.5	1330.7	1387.5	1444.3	1387.5	1330.7	1316.5	1100.4	812.4	668.3	575.3
115°	1252.3	1272.0	1350.7	1429.4	1350.7	1272.0	1252.3	1044.2	766.7	627.9	549.6
117.5°	1163.6	1185.4	1272.7	1360.0	1272.7	1185.4	1163.6	975.7	725.3	600.0	533.4
120°	1103.8	1125.1	1209.9	1294.7	1209.9	1125.1	1103.8	932.2	703.3	588.9	528.0
122.5°	1044.0	1064.9	1148.6	1232.3	1148.6	1064.9	1044.0	889.4	683.3	580.3	525.1
125°	964.9	984.2	1061.2	1138.4	1061.2	984.2	964.9	833.6	658.6	571.0	522.7
127.5°	901.5	917.7	982.8	1047.8	982.8	917.7	901.5	788.7	638.4	563.2	521.4
130°	861.4	876.4	936.4	996.5	936.4	876.4	861.4	761.0	627.2	560.3	522.3
132.5°	827.2	840.7	894.4	948.2	894.4	840.7	827.2	737.3	617.5	557.6	522.7
135°	778.9	790.5	836.8	883.2	836.8	790.5	778.9	703.7	603.4	553.2	522.3
137.5°	743.3	752.7	790.8	828.7	790.8	752.7	743.3	679.6	594.8	552.4	525.5
140°	714.7	723.6	759.1	794.5	759.1	723.6	714.7	659.7	586.5	549.9	526.0
142.5°	694.6	702.3	732.8	763.4	732.8	702.3	694.6	646.3	582.0	549.9	527.9
145°	664.6	670.4	693.5	716.6	693.5	670.4	664.6	625.1	572.5	546.2	528.0
147.5°	639.4	644.2	663.3	682.4	663.3	644.2	639.4	608.3	566.9	546.2	531.6
150°	624.8	628.7	644.2	659.7	644.2	628.7	624.8	598.6	563.7	546.2	533.5
152.5°	613.3	616.3	628.0	639.7	628.0	616.3	613.3	590.9	561.1	546.2	534.7
155°	599.6	601.5	609.3	617.1	609.3	601.5	599.6	581.8	558.1	546.2	537.4
157.5°	587.7	589.0	594.6	600.0	594.6	589.0	587.7	573.9	555.4	546.2	540.1
160°	581.8	582.6	585.7	588.9	585.7	582.6	581.8	569.9	554.1	546.2	541.4
162.5°	576.2	576.9	579.9	582.9	579.9	576.9	576.2	566.2	552.9	546.2	542.7
165°	567.7	568.5	571.6	574.8	571.6	568.5	567.7	560.6	551.0	546.2	544.6
167.5°	564.0	564.3	565.6	566.9	565.6	564.3	564.0	559.2	553.0	549.9	548.5
170°	564.0	564.0	564.0	564.0	564.0	564.0	564.0	559.2	553.0	549.9	549.8
172.5°	561.0	560.7	559.6	558.4	559.6	560.7	561.0	557.3	552.4	549.9	549.9
175°	556.9	556.9	556.9	556.9	556.9	556.9	556.9	554.6	551.5	549.9	550.6
177.5°	556.2	555.8	554.6	553.2	554.6	555.8	556.2	554.3	551.8	550.6	551.2
180°	553.2	553.2	553.2	553.2	553.2	553.2	553.2	553.2	553.2	553.2	553.2



TEST NUMBER: P935333

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1596.7	1596.7	1596.7	1596.7	1596.7
2.5°	1577.1	1584.6	1589.1	1595.2	1610.3
5°	1516.7	1545.3	1554.4	1577.1	1604.2
7.5°	1383.7	1471.3	1495.5	1549.9	1592.2
10°	1255.3	1342.9	1385.3	1513.6	1577.1
12.5°	1190.3	1241.7	1270.4	1450.2	1555.9
15°	1149.6	1185.8	1207.0	1365.6	1531.7
17.5°	1117.8	1143.5	1158.6	1282.5	1498.5
20°	1098.2	1110.3	1123.9	1222.1	1460.8
22.5°	1084.6	1077.0	1087.7	1179.8	1409.4
25°	1075.5	1046.9	1058.9	1146.6	1348.9
27.5°	1083.1	1019.6	1024.2	1116.3	1285.6
30°	1084.6	986.4	988.0	1084.6	1214.5
32.5°	1074.0	951.7	953.2	1045.3	1134.4
35°	1048.4	910.9	909.4	1000.0	1025.7
37.5°	1013.6	867.1	867.1	950.2	906.4
40°	971.3	823.3	827.8	885.2	800.6
42.5°	919.9	776.5	782.5	799.1	722.0
45°	864.1	731.1	735.7	675.3	661.6
47.5°	802.1	684.3	685.8	560.5	642.0
50°	728.1	636.0	629.9	480.4	640.5
52.5°	663.1	583.1	564.9	435.1	581.5
55°	599.8	527.2	487.9	400.3	539.3
57.5°	543.8	454.7	416.9	359.5	530.2
60°	492.5	383.6	355.0	315.7	486.4
62.5°	450.1	330.8	324.7	285.5	441.1
65°	404.8	294.6	293.0	259.8	374.6
67.5°	361.1	270.4	268.9	235.7	285.5
70°	314.2	244.8	241.7	209.9	211.5
72.5°	265.8	216.0	213.0	188.8	175.2
75°	217.5	182.8	181.3	164.7	142.0
77.5°	170.7	145.1	148.0	132.9	104.3
80°	122.4	105.8	108.7	95.2	78.6
82.5°	81.6	69.4	72.5	60.4	52.8
85°	45.3	39.3	40.8	31.7	24.2
87.5°	21.2	18.1	18.1	12.1	7.6
90°	16.3	10.4	9.6	6.7	3.7
92.5°	100.8	71.7	65.3	40.1	14.8
95°	247.9	139.6	128.1	81.9	35.6
97.5°	333.9	153.4	143.2	102.4	61.6
100°	365.3	164.9	155.6	118.6	81.7
102.5°	379.6	176.4	167.7	133.3	98.7
105°	390.3	193.4	186.1	156.9	127.7
107.5°	392.2	218.7	211.9	184.7	157.5
110°	389.2	232.8	226.6	202.1	177.5



TEST NUMBER: P935333

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	389.4	249.8	244.0	220.6	197.2
115°	392.9	275.5	270.0	248.4	226.8
117.5°	400.3	300.4	295.5	275.8	256.2
120°	406.1	314.8	310.2	291.7	273.2
122.5°	414.7	332.0	327.3	308.7	290.0
125°	426.2	353.8	349.5	332.6	315.6
127.5°	437.7	375.0	370.7	353.5	336.3
130°	446.1	389.1	384.5	366.0	347.5
132.5°	452.9	400.6	396.0	377.5	359.0
135°	460.4	414.0	409.8	392.9	376.2
137.5°	471.5	431.0	426.9	410.2	393.6
140°	478.4	442.6	438.7	423.4	408.0
142.5°	484.1	451.1	447.6	433.4	419.2
145°	491.5	464.1	460.9	448.6	436.2
147.5°	502.4	480.4	477.4	465.4	453.4
150°	508.1	489.0	486.2	475.3	464.4
152.5°	511.7	494.5	492.5	484.2	475.9
155°	520.0	506.8	505.3	499.2	493.1
157.5°	528.1	519.1	517.5	511.6	505.7
160°	531.8	524.6	523.4	518.9	514.2
162.5°	535.8	530.6	529.7	526.2	522.7
165°	541.5	539.1	538.2	535.1	532.0
167.5°	545.9	544.0	543.6	542.1	540.6
170°	549.6	549.5	549.1	547.6	546.2
172.5°	549.9	549.9	549.8	549.5	549.1
175°	552.1	553.2	553.2	553.2	553.2
177.5°	552.4	553.2	553.2	553.2	553.2
180°	553.2	553.2	553.2	553.2	553.2



TEST NUMBER: P935333

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-4-3500K

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	14.49	15.38	15.41	16.32	17.54	17.28	18.18	18.21	19.12	20.34
	3H	14.97	15.77	15.90	16.72	17.96	18.62	19.42	19.56	20.38	21.62
	4H	15.16	15.92	16.11	16.87	18.13	19.06	19.82	20.01	20.78	22.03
	6H	15.28	15.98	16.24	16.94	18.21	19.34	20.04	20.30	21.00	22.27
	8H	15.28	15.95	16.25	16.93	18.19	19.41	20.08	20.38	21.06	22.32
	12H	15.25	15.89	16.23	16.86	18.15	19.45	20.08	20.42	21.05	22.34
4H	2H	15.52	16.27	16.47	17.23	18.48	17.70	18.46	18.66	19.41	20.67
	3H	16.54	17.18	17.51	18.16	19.43	19.20	19.83	20.17	20.82	22.08
	4H	16.82	17.40	17.80	18.38	19.67	19.72	20.30	20.70	21.28	22.57
	6H	16.95	17.45	17.94	18.45	19.74	20.08	20.58	21.07	21.58	22.87
	8H	16.96	17.42	17.95	18.42	19.72	20.18	20.65	21.17	21.64	22.95
	12H	16.93	17.34	17.94	18.36	19.67	20.24	20.65	21.25	21.67	22.98
8H	4H	17.27	17.74	18.26	18.74	20.04	19.85	20.31	20.84	21.31	22.61
	6H	17.54	17.92	18.55	18.96	20.26	20.28	20.66	21.29	21.70	23.00
	8H	17.58	17.92	18.60	18.94	20.26	20.43	20.76	21.45	21.79	23.11
	12H	17.57	17.86	18.59	18.88	20.25	20.52	20.82	21.55	21.84	23.20
12H	4H	17.28	17.70	18.29	18.71	20.02	19.81	20.23	20.82	21.25	22.56
	6H	17.60	17.93	18.62	18.96	20.28	20.28	20.61	21.30	21.64	22.96
	8H	17.66	17.96	18.69	18.98	20.35	20.43	20.73	21.46	21.75	23.12