

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: P933829

Luminaire Tested: SQ4-FA-025U-050D-92765-1D-UNV-STD-W-12-5000K

Issue Date: 12/17/2024

**Test Information**

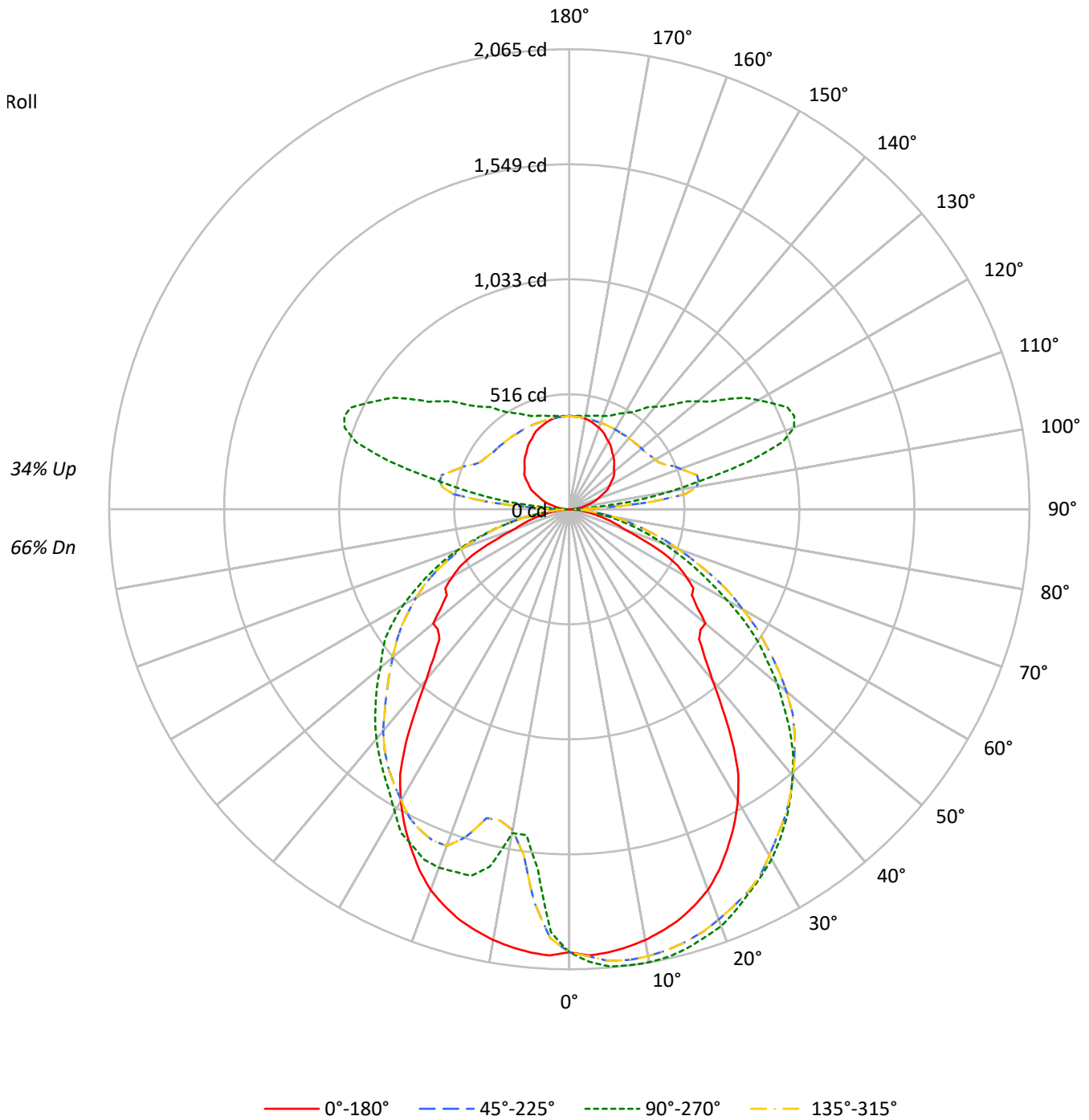
Test Method: LM-79-2019  
Report Number: P933829  
REPORT IS A COMBINATION OF REPORTS P933673 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-025U-050D-92765-1D-UNV-STD-W-12-5000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7868.3 lumens  
Efficiency: N/A  
Efficacy: 119.2 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')  
CIE Type: Semi-Direct  
  
Input Watts (W): 66  
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: P933829  
CATALOG NUMBER: SQ4-FA-025U-050D-92765-1D-UNV-STD-W-12-5000K

### Luminous Intensity Polar Plot





TEST NUMBER: P933829

CATALOG NUMBER: SQ4-FA-025U-050D-92765-1D-UNV-STD-W-12-5000K

**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	0	
RCR																						
0	111	111	111	111	104	104	104	104	92	92	92	81	81	81	70	70	70	66				
1	101	97	93	89	95	91	88	85	81	78	76	71	69	68	62	61	60	55				
2	92	85	78	73	87	80	74	70	71	67	63	63	59	56	55	52	50	46				
3	84	75	67	61	79	70	64	58	63	57	53	55	51	48	49	46	43	39				
4	77	66	58	52	72	62	55	49	56	50	45	49	45	41	43	40	37	34				
5	71	59	50	44	66	56	48	43	50	44	39	44	39	35	39	35	32	29				
6	65	53	45	39	61	50	43	37	45	39	34	40	35	31	35	31	28	26				
7	60	48	40	34	57	45	38	33	41	35	30	36	31	28	32	28	25	23				
8	56	43	35	30	53	41	34	29	37	31	27	33	28	25	30	26	22	20				
9	52	40	32	27	49	38	31	26	34	28	24	31	26	22	27	23	20	18				
10	49	36	29	24	46	35	28	23	31	26	22	28	23	20	25	21	18	16				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	6148	6148	6148	6148
5°	6197	6207	6197	4880
10°	6157	6114	6157	4371
15°	6093	5981	6093	4994
20°	5968	5825	5968	5005
25°	5709	5596	5709	4899
30°	5374	5405	5374	4666
35°	4794	5165	4794	4410
40°	3996	4882	3996	4217
45°	3573	4551	3573	3994
50°	3799	4156	3799	3771
55°	3578	3731	3578	3642
60°	3693	3168	3693	3336
65°	3354	2619	3354	2928
70°	2328	2087	2328	2454
75°	2049	1543	2049	1847
80°	1663	1020	1663	1111
85°	975	540	975	459

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 5473 cd/sqm



TEST NUMBER: P933829

CATALOG NUMBER: SQ4-FA-025U-050D-92765-1D-UNV-STD-W-12-5000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	179.4	2.3
10°-20°	509.5	6.5
20°-30°	787.5	10.0
30°-40°	940.1	11.9
40°-50°	945.7	12.0
50°-60°	822.8	10.5
60°-70°	583.4	7.4
70°-80°	308.7	3.9
80°-90°	78.5	1.0
90°-100°	204.0	2.6
100°-110°	536.3	6.8
110°-120°	556.1	7.1
120°-130°	446.0	5.7
130°-140°	350.0	4.4
140°-150°	268.6	3.4
150°-160°	193.5	2.5
160°-170°	118.4	1.5
170°-180°	40.0	0.5
0°-30°	1476.4	18.8
0°-40°	2416.6	30.7
0°-60°	4185.0	53.2
0°-90°	5155.6	65.5
90°-120°	1296.3	16.5
90°-150°	2361.0	30.0
90°-180°	2713.0	34.5
0°-180°	7868.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1988	1988	1988	1988	1988	
5°	1997	2059	1997	1619	1997	189
15°	1907	2040	1907	1704	1907	537
25°	1679	1903	1679	1666	1679	771
35°	1277	1698	1277	1450	1277	790
45°	824	1399	824	1228	824	660
55°	671	1032	671	1008	671	617
65°	466	622	466	696	466	446
75°	177	295	177	354	177	186
85°	30	75	30	64	30	41
90°	3	11	3	11	3	4
95°	27	123	27	123	27	30
105°	97	840	97	840	97	102
115°	172	1081	172	1081	172	169
125°	239	861	239	861	239	212
135°	284	668	284	668	284	220
145°	330	542	330	542	330	207
155°	373	467	373	467	373	171
165°	402	435	402	435	402	114
175°	418	421	418	421	418	40
180°	418	418	418	418	418	



TEST NUMBER: P933829

CATALOG NUMBER: SQ4-FA-025U-050D-92765-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7
2.5°	2004.7	2004.7	2016.0	2019.7	2019.7	2014.1	2008.5	2014.1	2031.0	2036.6	2034.8
5°	1997.2	2012.2	2032.9	2036.6	2040.5	2038.6	2034.8	2038.6	2057.4	2061.1	2063.0
7.5°	1982.1	2010.4	2036.6	2042.3	2047.9	2042.3	2040.5	2044.2	2063.0	2066.7	2066.7
10°	1963.3	2002.8	2032.9	2036.6	2042.3	2036.6	2036.6	2044.2	2063.0	2066.7	2068.7
12.5°	1937.0	1991.6	2019.7	2023.5	2031.0	2029.2	2027.3	2034.8	2053.6	2057.4	2057.4
15°	1906.9	1970.8	1997.2	2000.9	2014.1	2010.4	2010.4	2017.8	2038.6	2044.2	2042.3
17.5°	1865.6	1944.6	1974.7	1980.3	1989.7	1987.7	1989.7	1997.2	2016.0	2019.7	2021.7
20°	1818.6	1908.8	1944.6	1950.2	1959.6	1959.6	1959.6	1969.0	1987.7	1995.3	1995.3
22.5°	1754.6	1871.2	1908.8	1912.6	1923.8	1923.8	1927.6	1940.7	1957.6	1959.6	1959.6
25°	1679.4	1829.8	1861.7	1873.1	1884.4	1890.0	1895.7	1903.2	1908.8	1906.9	1908.8
27.5°	1600.4	1777.2	1818.6	1826.0	1841.1	1846.7	1854.3	1856.1	1858.0	1863.6	1859.9
30°	1512.0	1703.8	1765.8	1773.4	1797.8	1801.6	1794.1	1797.8	1807.3	1811.0	1814.7
32.5°	1412.3	1594.7	1711.4	1728.3	1750.8	1739.6	1737.6	1743.3	1758.4	1758.4	1762.1
35°	1276.9	1510.1	1660.6	1675.6	1692.6	1679.4	1686.9	1688.7	1698.2	1703.8	1701.9
37.5°	1128.4	1436.7	1607.9	1619.2	1632.4	1615.5	1626.7	1632.4	1639.8	1636.1	1636.1
40°	996.7	1322.0	1545.8	1553.4	1564.6	1551.5	1562.7	1566.6	1570.3	1566.6	1564.6
42.5°	898.9	1196.0	1480.0	1489.5	1481.9	1491.3	1495.1	1502.6	1496.9	1489.5	1489.5
45°	823.7	1162.2	1408.6	1419.8	1408.6	1423.7	1429.3	1429.3	1412.3	1408.6	1406.6
47.5°	799.3	1094.5	1337.1	1337.1	1331.5	1350.3	1359.6	1346.5	1329.6	1323.9	1323.9
50°	797.4	1019.3	1239.3	1231.8	1258.1	1280.6	1271.3	1258.1	1244.9	1224.3	1224.3
52.5°	724.0	927.1	1113.3	1141.6	1182.9	1196.0	1181.0	1167.8	1145.3	1135.9	1128.4
55°	671.4	831.2	998.5	1055.0	1098.3	1115.2	1087.0	1073.8	1040.0	1034.3	1030.6
57.5°	660.1	692.1	893.3	964.7	1017.4	1015.6	998.5	974.2	945.9	940.3	938.4
60°	605.6	500.3	780.5	865.1	919.6	914.0	898.9	876.4	850.0	846.3	842.5
62.5°	549.1	362.9	652.5	748.5	825.5	823.7	810.6	776.6	757.9	748.5	740.9
65°	466.4	304.6	464.5	622.5	733.5	737.2	709.0	684.6	663.8	652.5	650.6
67.5°	355.5	248.3	314.1	519.0	645.0	641.3	605.6	594.3	567.9	562.3	551.0
70°	263.3	165.5	218.2	421.3	558.6	549.1	520.9	507.7	483.3	470.2	462.6
72.5°	218.2	133.5	159.8	327.2	470.2	458.8	434.5	419.4	398.7	387.4	379.9
75°	176.8	141.0	122.3	242.6	381.7	374.3	351.6	336.6	319.7	304.6	306.5
77.5°	129.7	131.6	97.8	178.6	302.8	291.5	278.4	259.6	252.0	236.9	236.9
80°	97.8	103.5	73.4	122.3	218.2	218.2	206.9	193.7	180.5	173.0	173.0
82.5°	65.8	65.8	54.5	77.1	148.5	142.9	135.4	131.6	124.1	120.4	120.4
85°	30.1	37.6	33.8	47.0	80.9	84.6	84.6	80.9	79.0	75.2	77.1
87.5°	9.4	16.9	20.7	26.4	41.4	43.3	45.1	45.1	45.1	47.0	47.0
90°	2.8	5.0	7.3	7.9	12.3	18.3	21.3	19.0	14.2	10.7	10.7
92.5°	11.2	30.3	49.4	54.2	76.2	105.5	120.2	105.3	75.6	53.4	51.2
95°	26.9	61.9	96.8	105.6	187.5	296.8	351.4	313.5	237.9	181.1	174.7
97.5°	46.6	77.5	108.3	116.0	252.6	434.7	525.8	501.8	454.1	418.2	405.9
100°	61.8	89.7	117.7	124.7	276.3	478.4	579.4	581.2	584.7	587.3	572.7
102.5°	74.7	100.8	126.8	133.4	287.1	492.1	594.6	625.0	685.9	731.6	719.1
105°	96.6	118.7	140.8	146.3	295.2	493.6	592.9	661.1	797.7	900.1	893.4
107.5°	119.1	139.6	160.3	165.4	296.7	471.7	559.1	654.4	844.9	987.8	989.4
110°	134.2	152.8	171.4	176.1	294.4	452.2	531.1	637.6	850.5	1010.2	1017.2



TEST NUMBER: P933829

CATALOG NUMBER: SQ4-FA-025U-050D-92765-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	149.2	166.8	184.6	189.0	294.5	435.2	505.6	614.6	832.4	995.9	1006.7
115°	171.6	188.0	204.3	208.4	297.2	415.7	474.9	579.9	789.8	947.3	962.2
117.5°	193.8	208.6	223.5	227.2	302.8	403.5	453.9	548.7	738.1	880.2	896.8
120°	206.7	220.7	234.7	238.2	307.2	399.3	445.4	531.9	705.1	835.0	851.0
122.5°	219.4	233.5	247.5	251.1	313.7	397.2	438.9	516.9	672.8	789.7	805.5
125°	238.7	251.6	264.5	267.7	322.5	395.5	431.9	498.1	630.6	729.9	744.5
127.5°	254.4	267.4	280.4	283.7	331.2	394.4	426.0	482.9	596.6	681.9	694.2
130°	262.8	276.9	290.9	294.3	337.5	395.0	423.8	474.5	575.7	651.6	663.0
132.5°	271.6	285.6	299.6	303.0	342.7	395.5	421.8	467.2	557.8	625.8	636.0
135°	284.5	297.2	309.9	313.1	348.3	395.1	418.5	456.4	532.3	589.2	598.0
137.5°	297.7	310.3	322.8	326.0	356.7	397.5	417.9	450.0	514.1	562.2	569.4
140°	308.6	320.2	331.9	334.8	361.8	397.9	415.9	443.6	499.0	540.6	547.4
142.5°	317.1	327.8	338.6	341.3	366.1	399.3	415.9	440.2	488.9	525.5	531.3
145°	330.0	339.4	348.7	351.1	371.7	399.3	413.1	433.0	472.9	502.7	507.1
147.5°	342.9	352.0	361.2	363.4	380.0	402.1	413.1	428.8	460.2	483.6	487.3
150°	351.4	359.6	367.8	369.9	384.3	403.5	413.1	426.4	452.9	472.7	475.6
152.5°	360.0	366.3	372.5	374.1	387.1	404.4	413.1	424.4	447.1	464.0	466.2
155°	372.9	377.5	382.2	383.3	393.2	406.5	413.1	422.1	440.2	453.6	455.1
157.5°	382.5	387.0	391.5	392.7	399.5	408.6	413.1	420.2	434.1	444.5	445.6
160°	389.0	392.5	396.0	396.9	402.3	409.5	413.1	419.1	431.1	440.1	440.6
162.5°	395.5	398.1	400.7	401.4	405.3	410.5	413.1	418.2	428.3	435.9	436.4
165°	402.5	404.8	407.3	407.8	409.6	411.9	413.1	416.8	424.0	429.4	430.0
167.5°	408.9	410.1	411.2	411.5	413.0	414.9	415.9	418.3	423.0	426.6	426.9
170°	413.1	414.3	415.4	415.7	415.8	415.9	415.9	418.3	423.0	426.6	426.6
172.5°	415.4	415.7	415.9	415.9	415.9	415.9	415.9	417.8	421.6	424.4	424.2
175°	418.5	418.5	418.5	418.5	417.6	416.5	415.9	417.2	419.5	421.3	421.3
177.5°	418.5	418.5	418.5	418.5	417.8	417.0	416.5	417.4	419.3	420.7	420.4
180°	418.5	418.5	418.5	418.5	418.5	418.5	418.5	418.5	418.5	418.5	418.5



TEST NUMBER: P933829

CATALOG NUMBER: SQ4-FA-025U-050D-92765-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7
2.5°	2038.6	2032.9	2038.6	2034.8	2036.6	2031.0	2014.1	2008.5	2014.1	2019.7	2019.7
5°	2063.0	2059.3	2063.0	2063.0	2061.1	2057.4	2038.6	2034.8	2038.6	2040.5	2036.6
7.5°	2070.6	2064.9	2070.6	2066.7	2066.7	2063.0	2044.2	2040.5	2042.3	2047.9	2042.3
10°	2070.6	2064.9	2070.6	2068.7	2066.7	2063.0	2044.2	2036.6	2036.6	2042.3	2036.6
12.5°	2061.1	2057.4	2061.1	2057.4	2057.4	2053.6	2034.8	2027.3	2029.2	2031.0	2023.5
15°	2046.1	2040.5	2046.1	2042.3	2044.2	2038.6	2017.8	2010.4	2010.4	2014.1	2000.9
17.5°	2023.5	2016.0	2023.5	2021.7	2019.7	2016.0	1997.2	1989.7	1987.7	1989.7	1980.3
20°	1997.2	1991.6	1997.2	1995.3	1995.3	1987.7	1969.0	1959.6	1959.6	1959.6	1950.2
22.5°	1955.8	1950.2	1955.8	1959.6	1959.6	1957.6	1940.7	1927.6	1923.8	1923.8	1912.6
25°	1908.8	1903.2	1908.8	1908.8	1906.9	1908.8	1903.2	1895.7	1890.0	1884.4	1873.1
27.5°	1863.6	1859.9	1863.6	1859.9	1863.6	1858.0	1856.1	1854.3	1846.7	1841.1	1826.0
30°	1818.6	1814.7	1818.6	1814.7	1811.0	1807.3	1797.8	1794.1	1801.6	1797.8	1773.4
32.5°	1762.1	1758.4	1762.1	1762.1	1758.4	1758.4	1743.3	1737.6	1739.6	1750.8	1728.3
35°	1703.8	1698.2	1703.8	1701.9	1703.8	1698.2	1688.7	1686.9	1679.4	1692.6	1675.6
37.5°	1636.1	1630.5	1636.1	1636.1	1636.1	1639.8	1632.4	1626.7	1615.5	1632.4	1619.2
40°	1566.6	1559.0	1566.6	1564.6	1566.6	1570.3	1566.6	1562.7	1551.5	1564.6	1553.4
42.5°	1487.6	1485.6	1487.6	1489.5	1489.5	1496.9	1502.6	1495.1	1491.3	1481.9	1489.5
45°	1402.9	1399.2	1402.9	1406.6	1408.6	1412.3	1429.3	1429.3	1423.7	1408.6	1419.8
47.5°	1312.6	1303.3	1312.6	1323.9	1323.9	1329.6	1346.5	1359.6	1350.3	1331.5	1337.1
50°	1216.7	1218.6	1216.7	1224.3	1224.3	1244.9	1258.1	1271.3	1280.6	1258.1	1231.8
52.5°	1122.7	1120.8	1122.7	1128.4	1135.9	1145.3	1167.8	1181.0	1196.0	1182.9	1141.6
55°	1028.6	1032.5	1028.6	1030.6	1034.3	1040.0	1073.8	1087.0	1115.2	1098.3	1055.0
57.5°	934.6	929.0	934.6	938.4	940.3	945.9	974.2	998.5	1015.6	1017.4	964.7
60°	825.5	818.1	825.5	842.5	846.3	850.0	876.4	898.9	914.0	919.6	865.1
62.5°	729.6	716.5	729.6	740.9	748.5	757.9	776.6	810.6	823.7	825.5	748.5
65°	628.1	622.5	628.1	650.6	652.5	663.8	684.6	709.0	737.2	733.5	622.5
67.5°	536.0	536.0	536.0	551.0	562.3	567.9	594.3	605.6	641.3	645.0	519.0
70°	451.4	449.5	451.4	462.6	470.2	483.3	507.7	520.9	549.1	558.6	421.3
72.5°	370.5	368.6	370.5	379.9	387.4	398.7	419.4	434.5	458.8	470.2	327.2
75°	299.0	295.3	299.0	306.5	304.6	319.7	336.6	351.6	374.3	381.7	242.6
77.5°	229.5	229.5	229.5	236.9	236.9	252.0	259.6	278.4	291.5	302.8	178.6
80°	171.1	169.3	171.1	173.0	173.0	180.5	193.7	206.9	218.2	218.2	122.3
82.5°	120.4	116.6	120.4	120.4	120.4	124.1	131.6	135.4	142.9	148.5	77.1
85°	75.2	75.2	75.2	77.1	75.2	79.0	80.9	84.6	84.6	80.9	47.0
87.5°	48.9	47.0	48.9	47.0	47.0	45.1	45.1	45.1	43.3	41.4	26.4
90°	10.7	10.7	10.7	10.7	10.7	14.2	19.0	21.3	18.3	12.3	7.9
92.5°	42.8	34.3	42.8	51.2	53.4	75.6	105.3	120.2	105.5	76.2	54.2
95°	149.0	123.3	149.0	174.7	181.1	237.9	313.5	351.4	296.8	187.5	105.6
97.5°	357.1	308.1	357.1	405.9	418.2	454.1	501.8	525.8	434.7	252.6	116.0
100°	514.5	456.1	514.5	572.7	587.3	584.7	581.2	579.4	478.4	276.3	124.7
102.5°	669.2	619.2	669.2	719.1	731.6	685.9	625.0	594.6	492.1	287.1	133.4
105°	866.6	839.7	866.6	893.4	900.1	797.7	661.1	592.9	493.6	295.2	146.3
107.5°	995.9	1002.4	995.9	989.4	987.8	844.9	654.4	559.1	471.7	296.7	165.4
110°	1045.2	1073.1	1045.2	1017.2	1010.2	850.5	637.6	531.1	452.2	294.4	176.1





TEST NUMBER: P933829

CATALOG NUMBER: SQ4-FA-025U-050D-92765-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1049.6	1092.5	1049.6	1006.7	995.9	832.4	614.6	505.6	435.2	294.5	189.0
115°	1021.7	1081.3	1021.7	962.2	947.3	789.8	579.9	474.9	415.7	297.2	208.4
117.5°	962.7	1028.7	962.7	896.8	880.2	738.1	548.7	453.9	403.5	302.8	227.2
120°	915.2	979.3	915.2	851.0	835.0	705.1	531.9	445.4	399.3	307.2	238.2
122.5°	868.9	932.2	868.9	805.5	789.7	672.8	516.9	438.9	397.2	313.7	251.1
125°	802.7	861.1	802.7	744.5	729.9	630.6	498.1	431.9	395.5	322.5	267.7
127.5°	743.4	792.5	743.4	694.2	681.9	596.6	482.9	426.0	394.4	331.2	283.7
130°	708.4	753.8	708.4	663.0	651.6	575.7	474.5	423.8	395.0	337.5	294.3
132.5°	676.6	717.3	676.6	636.0	625.8	557.8	467.2	421.8	395.5	342.7	303.0
135°	633.1	668.1	633.1	598.0	589.2	532.3	456.4	418.5	395.1	348.3	313.1
137.5°	598.1	626.9	598.1	569.4	562.2	514.1	450.0	417.9	397.5	356.7	326.0
140°	574.2	601.0	574.2	547.4	540.6	499.0	443.6	415.9	397.9	361.8	334.8
142.5°	554.4	577.5	554.4	531.3	525.5	488.9	440.2	415.9	399.3	366.1	341.3
145°	524.6	542.0	524.6	507.1	502.7	472.9	433.0	413.1	399.3	371.7	351.1
147.5°	501.8	516.2	501.8	487.3	483.6	460.2	428.8	413.1	402.1	380.0	363.4
150°	487.4	499.0	487.4	475.6	472.7	452.9	426.4	413.1	403.5	384.3	369.9
152.5°	475.0	483.9	475.0	466.2	464.0	447.1	424.4	413.1	404.4	387.1	374.1
155°	460.9	466.8	460.9	455.1	453.6	440.2	422.1	413.1	406.5	393.2	383.3
157.5°	449.8	453.9	449.8	445.6	444.5	434.1	420.2	413.1	408.6	399.5	392.7
160°	443.1	445.4	443.1	440.6	440.1	431.1	419.1	413.1	409.5	402.3	396.9
162.5°	438.7	440.9	438.7	436.4	435.9	428.3	418.2	413.1	410.5	405.3	401.4
165°	432.4	434.7	432.4	430.0	429.4	424.0	416.8	413.1	411.9	409.6	407.8
167.5°	427.8	428.8	427.8	426.9	426.6	423.0	418.3	415.9	414.9	413.0	411.5
170°	426.6	426.6	426.6	426.6	426.6	423.0	418.3	415.9	415.9	415.8	415.7
172.5°	423.2	422.4	423.2	424.2	424.4	421.6	417.8	415.9	415.9	415.9	415.9
175°	421.3	421.3	421.3	421.3	421.3	419.5	417.2	415.9	416.5	417.6	418.5
177.5°	419.5	418.5	419.5	420.4	420.7	419.3	417.4	416.5	417.0	417.8	418.5
180°	418.5	418.5	418.5	418.5	418.5	418.5	418.5	418.5	418.5	418.5	418.5



TEST NUMBER: P933829

CATALOG NUMBER: SQ4-FA-025U-050D-92765-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7
2.5°	2016.0	2004.7	2004.7	1985.9	1978.4	1972.7	1963.3	1935.1	1927.6	1920.1	1931.4
5°	2032.9	2012.2	1997.2	1963.3	1935.1	1923.8	1888.1	1820.4	1775.3	1741.5	1722.7
7.5°	2036.6	2010.4	1982.1	1929.5	1861.7	1831.6	1722.7	1598.5	1564.6	1534.6	1515.7
10°	2032.9	2002.8	1963.3	1884.4	1724.5	1671.8	1562.7	1481.9	1461.2	1455.6	1461.2
12.5°	2019.7	1991.6	1937.0	1805.4	1581.6	1545.8	1481.9	1434.9	1431.1	1440.6	1491.3
15°	1997.2	1970.8	1906.9	1700.0	1502.6	1476.3	1431.1	1414.2	1434.9	1500.7	1653.0
17.5°	1974.7	1944.6	1865.6	1596.7	1442.4	1423.7	1391.6	1425.5	1542.1	1630.5	1681.3
20°	1944.6	1908.8	1818.6	1521.4	1399.2	1382.2	1367.2	1519.6	1607.9	1639.8	1668.1
22.5°	1908.8	1871.2	1754.6	1468.7	1354.0	1340.8	1350.3	1572.2	1607.9	1630.5	1654.9
25°	1861.7	1829.8	1679.4	1427.4	1318.3	1303.3	1339.0	1566.6	1587.2	1592.8	1641.7
27.5°	1818.6	1777.2	1600.4	1389.7	1275.0	1269.4	1348.4	1542.1	1557.1	1562.7	1615.5
30°	1765.8	1703.8	1512.0	1350.3	1229.9	1228.0	1350.3	1512.0	1508.2	1523.3	1575.9
32.5°	1711.4	1594.7	1412.3	1301.4	1186.6	1184.7	1337.1	1466.8	1463.1	1483.8	1523.3
35°	1660.6	1510.1	1276.9	1244.9	1132.1	1134.0	1305.1	1414.2	1416.1	1434.9	1459.4
37.5°	1607.9	1436.7	1128.4	1182.9	1079.5	1079.5	1261.9	1365.3	1361.6	1367.2	1401.0
40°	1545.8	1322.0	996.7	1102.0	1030.6	1024.9	1209.2	1312.6	1299.5	1297.7	1344.6
42.5°	1480.0	1196.0	898.9	994.8	974.2	966.6	1145.3	1248.7	1224.3	1229.9	1290.1
45°	1408.6	1162.2	823.7	840.6	915.8	910.2	1075.7	1175.4	1158.5	1173.5	1235.6
47.5°	1337.1	1094.5	799.3	697.7	853.8	851.9	998.5	1103.9	1094.5	1109.6	1175.4
50°	1239.3	1019.3	797.4	598.0	784.2	791.7	906.5	1034.3	1034.3	1047.5	1117.1
52.5°	1113.3	927.1	724.0	541.6	703.4	725.9	825.5	974.2	977.9	991.1	1053.1
55°	998.5	831.2	671.4	498.4	607.5	656.4	746.5	912.1	919.6	932.7	989.2
57.5°	893.3	692.1	660.1	447.5	519.0	566.1	677.0	851.9	855.6	866.9	921.5
60°	780.5	500.3	605.6	393.0	441.9	477.6	613.1	780.5	793.6	801.1	848.2
62.5°	652.5	362.9	549.1	355.5	404.4	411.8	560.4	712.7	729.6	735.3	763.6
65°	464.5	304.6	466.4	323.5	364.8	366.7	504.0	643.2	658.2	667.6	688.3
67.5°	314.1	248.3	355.5	293.4	334.7	336.6	449.5	562.3	583.0	590.5	603.6
70°	218.2	165.5	263.3	261.4	300.9	304.6	391.2	488.9	507.7	513.4	520.9
72.5°	159.8	133.5	218.2	235.1	265.2	268.9	331.0	406.2	425.0	430.6	434.5
75°	122.3	141.0	176.8	205.0	225.6	227.5	270.8	331.0	344.2	347.9	349.8
77.5°	97.8	131.6	129.7	165.5	184.3	180.5	212.6	255.7	267.0	267.0	267.0
80°	73.4	103.5	97.8	118.5	135.4	131.6	152.4	182.5	186.2	189.9	188.1
82.5°	54.5	65.8	65.8	75.2	90.3	86.6	101.5	118.5	118.5	118.5	122.3
85°	33.8	37.6	30.1	39.5	50.8	48.9	56.5	63.9	65.8	65.8	62.1
87.5°	20.7	16.9	9.4	15.0	22.5	22.5	26.4	28.2	26.4	26.4	26.4
90°	7.3	5.0	2.8	5.0	7.3	7.9	12.3	18.3	21.3	19.0	14.2
92.5°	49.4	30.3	11.2	30.3	49.4	54.2	76.2	105.5	120.2	105.3	75.6
95°	96.8	61.9	26.9	61.9	96.8	105.6	187.5	296.8	351.4	313.5	237.9
97.5°	108.3	77.5	46.6	77.5	108.3	116.0	252.6	434.7	525.8	501.8	454.1
100°	117.7	89.7	61.8	89.7	117.7	124.7	276.3	478.4	579.4	581.2	584.7
102.5°	126.8	100.8	74.7	100.8	126.8	133.4	287.1	492.1	594.6	625.0	685.9
105°	140.8	118.7	96.6	118.7	140.8	146.3	295.2	493.6	592.9	661.1	797.7
107.5°	160.3	139.6	119.1	139.6	160.3	165.4	296.7	471.7	559.1	654.4	844.9
110°	171.4	152.8	134.2	152.8	171.4	176.1	294.4	452.2	531.1	637.6	850.5



TEST NUMBER: P933829

CATALOG NUMBER: SQ4-FA-025U-050D-92765-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	184.6	166.8	149.2	166.8	184.6	189.0	294.5	435.2	505.6	614.6	832.4
115°	204.3	188.0	171.6	188.0	204.3	208.4	297.2	415.7	474.9	579.9	789.8
117.5°	223.5	208.6	193.8	208.6	223.5	227.2	302.8	403.5	453.9	548.7	738.1
120°	234.7	220.7	206.7	220.7	234.7	238.2	307.2	399.3	445.4	531.9	705.1
122.5°	247.5	233.5	219.4	233.5	247.5	251.1	313.7	397.2	438.9	516.9	672.8
125°	264.5	251.6	238.7	251.6	264.5	267.7	322.5	395.5	431.9	498.1	630.6
127.5°	280.4	267.4	254.4	267.4	280.4	283.7	331.2	394.4	426.0	482.9	596.6
130°	290.9	276.9	262.8	276.9	290.9	294.3	337.5	395.0	423.8	474.5	575.7
132.5°	299.6	285.6	271.6	285.6	299.6	303.0	342.7	395.5	421.8	467.2	557.8
135°	309.9	297.2	284.5	297.2	309.9	313.1	348.3	395.1	418.5	456.4	532.3
137.5°	322.8	310.3	297.7	310.3	322.8	326.0	356.7	397.5	417.9	450.0	514.1
140°	331.9	320.2	308.6	320.2	331.9	334.8	361.8	397.9	415.9	443.6	499.0
142.5°	338.6	327.8	317.1	327.8	338.6	341.3	366.1	399.3	415.9	440.2	488.9
145°	348.7	339.4	330.0	339.4	348.7	351.1	371.7	399.3	413.1	433.0	472.9
147.5°	361.2	352.0	342.9	352.0	361.2	363.4	380.0	402.1	413.1	428.8	460.2
150°	367.8	359.6	351.4	359.6	367.8	369.9	384.3	403.5	413.1	426.4	452.9
152.5°	372.5	366.3	360.0	366.3	372.5	374.1	387.1	404.4	413.1	424.4	447.1
155°	382.2	377.5	372.9	377.5	382.2	383.3	393.2	406.5	413.1	422.1	440.2
157.5°	391.5	387.0	382.5	387.0	391.5	392.7	399.5	408.6	413.1	420.2	434.1
160°	396.0	392.5	389.0	392.5	396.0	396.9	402.3	409.5	413.1	419.1	431.1
162.5°	400.7	398.1	395.5	398.1	400.7	401.4	405.3	410.5	413.1	418.2	428.3
165°	407.3	404.8	402.5	404.8	407.3	407.8	409.6	411.9	413.1	416.8	424.0
167.5°	411.2	410.1	408.9	410.1	411.2	411.5	413.0	414.9	415.9	418.3	423.0
170°	415.4	414.3	413.1	414.3	415.4	415.7	415.8	415.9	415.9	418.3	423.0
172.5°	415.9	415.7	415.4	415.7	415.9	415.9	415.9	415.9	415.9	417.8	421.6
175°	418.5	418.5	418.5	418.5	418.5	418.5	417.6	416.5	415.9	417.2	419.5
177.5°	418.5	418.5	418.5	418.5	418.5	418.5	417.8	417.0	416.5	417.4	419.3
180°	418.5	418.5	418.5	418.5	418.5	418.5	418.5	418.5	418.5	418.5	418.5



TEST NUMBER: P933829

CATALOG NUMBER: SQ4-FA-025U-050D-92765-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7
2.5°	1918.2	1912.6	1920.1	1899.4	1920.1	1912.6	1918.2	1931.4	1920.1	1927.6	1935.1
5°	1683.1	1673.7	1643.7	1619.2	1643.7	1673.7	1683.1	1722.7	1741.5	1775.3	1820.4
7.5°	1504.5	1496.9	1489.5	1474.4	1489.5	1496.9	1504.5	1515.7	1534.6	1564.6	1598.5
10°	1465.0	1466.8	1478.1	1476.3	1478.1	1466.8	1465.0	1461.2	1455.6	1461.2	1481.9
12.5°	1566.6	1583.5	1645.5	1641.7	1645.5	1583.5	1566.6	1491.3	1440.6	1431.1	1434.9
15°	1683.1	1688.7	1701.9	1703.8	1701.9	1688.7	1683.1	1653.0	1500.7	1434.9	1414.2
17.5°	1694.4	1696.3	1705.7	1705.7	1705.7	1696.3	1694.4	1681.3	1630.5	1542.1	1425.5
20°	1685.0	1688.7	1707.6	1711.4	1707.6	1688.7	1685.0	1668.1	1639.8	1607.9	1519.6
22.5°	1681.3	1688.7	1703.8	1701.9	1703.8	1688.7	1681.3	1654.9	1630.5	1607.9	1572.2
25°	1662.5	1662.5	1664.3	1666.2	1664.3	1662.5	1662.5	1641.7	1592.8	1587.2	1566.6
27.5°	1622.9	1626.7	1638.0	1636.1	1638.0	1626.7	1622.9	1615.5	1562.7	1557.1	1542.1
30°	1587.2	1583.5	1574.0	1566.6	1574.0	1583.5	1587.2	1575.9	1523.3	1508.2	1512.0
32.5°	1527.0	1517.6	1508.2	1502.6	1508.2	1517.6	1527.0	1523.3	1483.8	1463.1	1466.8
35°	1455.6	1457.5	1455.6	1449.9	1455.6	1457.5	1455.6	1459.4	1434.9	1416.1	1414.2
37.5°	1404.8	1408.6	1406.6	1399.2	1406.6	1408.6	1404.8	1401.0	1367.2	1361.6	1365.3
40°	1352.1	1354.0	1352.1	1346.5	1352.1	1354.0	1352.1	1344.6	1297.7	1299.5	1312.6
42.5°	1301.4	1299.5	1293.8	1290.1	1293.8	1299.5	1301.4	1290.1	1229.9	1224.3	1248.7
45°	1243.1	1244.9	1233.6	1228.0	1233.6	1244.9	1243.1	1235.6	1173.5	1158.5	1175.4
47.5°	1184.7	1184.7	1175.4	1169.7	1175.4	1184.7	1184.7	1175.4	1109.6	1094.5	1103.9
50°	1122.7	1120.8	1107.6	1105.8	1107.6	1120.8	1122.7	1117.1	1047.5	1034.3	1034.3
52.5°	1051.3	1051.3	1053.1	1056.9	1053.1	1051.3	1051.3	1053.1	991.1	977.9	974.2
55°	989.2	991.1	1004.2	1008.0	1004.2	991.1	989.2	989.2	932.7	919.6	912.1
57.5°	925.3	925.3	934.6	934.6	934.6	925.3	925.3	921.5	866.9	855.6	851.9
60°	851.9	855.6	863.2	861.3	863.2	855.6	851.9	848.2	801.1	793.6	780.5
62.5°	774.8	778.6	780.5	776.6	780.5	778.6	774.8	763.6	735.3	729.6	712.7
65°	693.9	697.7	699.5	695.8	699.5	697.7	693.9	688.3	667.6	658.2	643.2
67.5°	611.2	609.3	607.5	614.9	607.5	609.3	611.2	603.6	590.5	583.0	562.3
70°	526.5	526.5	524.7	528.5	524.7	526.5	526.5	520.9	513.4	507.7	488.9
72.5°	436.3	434.5	441.9	436.3	441.9	434.5	436.3	434.5	430.6	425.0	406.2
75°	347.9	351.6	347.9	353.5	347.9	351.6	347.9	349.8	347.9	344.2	331.0
77.5°	265.2	268.9	265.2	265.2	265.2	268.9	265.2	267.0	267.0	267.0	255.7
80°	188.1	186.2	186.2	184.3	186.2	186.2	188.1	188.1	189.9	186.2	182.5
82.5°	120.4	118.5	118.5	122.3	118.5	118.5	120.4	122.3	118.5	118.5	118.5
85°	65.8	67.7	63.9	63.9	63.9	67.7	65.8	62.1	65.8	65.8	63.9
87.5°	24.5	22.5	22.5	22.5	22.5	22.5	24.5	26.4	26.4	26.4	28.2
90°	10.7	10.7	10.7	10.7	10.7	10.7	10.7	14.2	19.0	21.3	18.3
92.5°	53.4	51.2	42.8	34.3	42.8	51.2	53.4	75.6	105.3	120.2	105.5
95°	181.1	174.7	149.0	123.3	149.0	174.7	181.1	237.9	313.5	351.4	296.8
97.5°	418.2	405.9	357.1	308.1	357.1	405.9	418.2	454.1	501.8	525.8	434.7
100°	587.3	572.7	514.5	456.1	514.5	572.7	587.3	584.7	581.2	579.4	478.4
102.5°	731.6	719.1	669.2	619.2	669.2	719.1	731.6	685.9	625.0	594.6	492.1
105°	900.1	893.4	866.6	839.7	866.6	893.4	900.1	797.7	661.1	592.9	493.6
107.5°	987.8	989.4	995.9	1002.4	995.9	989.4	987.8	844.9	654.4	559.1	471.7
110°	1010.2	1017.2	1045.2	1073.1	1045.2	1017.2	1010.2	850.5	637.6	531.1	452.2



TEST NUMBER: P933829

CATALOG NUMBER: SQ4-FA-025U-050D-92765-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	995.9	1006.7	1049.6	1092.5	1049.6	1006.7	995.9	832.4	614.6	505.6	435.2
115°	947.3	962.2	1021.7	1081.3	1021.7	962.2	947.3	789.8	579.9	474.9	415.7
117.5°	880.2	896.8	962.7	1028.7	962.7	896.8	880.2	738.1	548.7	453.9	403.5
120°	835.0	851.0	915.2	979.3	915.2	851.0	835.0	705.1	531.9	445.4	399.3
122.5°	789.7	805.5	868.9	932.2	868.9	805.5	789.7	672.8	516.9	438.9	397.2
125°	729.9	744.5	802.7	861.1	802.7	744.5	729.9	630.6	498.1	431.9	395.5
127.5°	681.9	694.2	743.4	792.5	743.4	694.2	681.9	596.6	482.9	426.0	394.4
130°	651.6	663.0	708.4	753.8	708.4	663.0	651.6	575.7	474.5	423.8	395.0
132.5°	625.8	636.0	676.6	717.3	676.6	636.0	625.8	557.8	467.2	421.8	395.5
135°	589.2	598.0	633.1	668.1	633.1	598.0	589.2	532.3	456.4	418.5	395.1
137.5°	562.2	569.4	598.1	626.9	598.1	569.4	562.2	514.1	450.0	417.9	397.5
140°	540.6	547.4	574.2	601.0	574.2	547.4	540.6	499.0	443.6	415.9	397.9
142.5°	525.5	531.3	554.4	577.5	554.4	531.3	525.5	488.9	440.2	415.9	399.3
145°	502.7	507.1	524.6	542.0	524.6	507.1	502.7	472.9	433.0	413.1	399.3
147.5°	483.6	487.3	501.8	516.2	501.8	487.3	483.6	460.2	428.8	413.1	402.1
150°	472.7	475.6	487.4	499.0	487.4	475.6	472.7	452.9	426.4	413.1	403.5
152.5°	464.0	466.2	475.0	483.9	475.0	466.2	464.0	447.1	424.4	413.1	404.4
155°	453.6	455.1	460.9	466.8	460.9	455.1	453.6	440.2	422.1	413.1	406.5
157.5°	444.5	445.6	449.8	453.9	449.8	445.6	444.5	434.1	420.2	413.1	408.6
160°	440.1	440.6	443.1	445.4	443.1	440.6	440.1	431.1	419.1	413.1	409.5
162.5°	435.9	436.4	438.7	440.9	438.7	436.4	435.9	428.3	418.2	413.1	410.5
165°	429.4	430.0	432.4	434.7	432.4	430.0	429.4	424.0	416.8	413.1	411.9
167.5°	426.6	426.9	427.8	428.8	427.8	426.9	426.6	423.0	418.3	415.9	414.9
170°	426.6	426.6	426.6	426.6	426.6	426.6	426.6	423.0	418.3	415.9	415.9
172.5°	424.4	424.2	423.2	422.4	423.2	424.2	424.4	421.6	417.8	415.9	415.9
175°	421.3	421.3	421.3	421.3	421.3	421.3	421.3	419.5	417.2	415.9	416.5
177.5°	420.7	420.4	419.5	418.5	419.5	420.4	420.7	419.3	417.4	416.5	417.0
180°	418.5	418.5	418.5	418.5	418.5	418.5	418.5	418.5	418.5	418.5	418.5



TEST NUMBER: P933829

CATALOG NUMBER: SQ4-FA-025U-050D-92765-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1987.7	1987.7	1987.7	1987.7	1987.7
2.5°	1963.3	1972.7	1978.4	1985.9	2004.7
5°	1888.1	1923.8	1935.1	1963.3	1997.2
7.5°	1722.7	1831.6	1861.7	1929.5	1982.1
10°	1562.7	1671.8	1724.5	1884.4	1963.3
12.5°	1481.9	1545.8	1581.6	1805.4	1937.0
15°	1431.1	1476.3	1502.6	1700.0	1906.9
17.5°	1391.6	1423.7	1442.4	1596.7	1865.6
20°	1367.2	1382.2	1399.2	1521.4	1818.6
22.5°	1350.3	1340.8	1354.0	1468.7	1754.6
25°	1339.0	1303.3	1318.3	1427.4	1679.4
27.5°	1348.4	1269.4	1275.0	1389.7	1600.4
30°	1350.3	1228.0	1229.9	1350.3	1512.0
32.5°	1337.1	1184.7	1186.6	1301.4	1412.3
35°	1305.1	1134.0	1132.1	1244.9	1276.9
37.5°	1261.9	1079.5	1079.5	1182.9	1128.4
40°	1209.2	1024.9	1030.6	1102.0	996.7
42.5°	1145.3	966.6	974.2	994.8	898.9
45°	1075.7	910.2	915.8	840.6	823.7
47.5°	998.5	851.9	853.8	697.7	799.3
50°	906.5	791.7	784.2	598.0	797.4
52.5°	825.5	725.9	703.4	541.6	724.0
55°	746.5	656.4	607.5	498.4	671.4
57.5°	677.0	566.1	519.0	447.5	660.1
60°	613.1	477.6	441.9	393.0	605.6
62.5°	560.4	411.8	404.4	355.5	549.1
65°	504.0	366.7	364.8	323.5	466.4
67.5°	449.5	336.6	334.7	293.4	355.5
70°	391.2	304.6	300.9	261.4	263.3
72.5°	331.0	268.9	265.2	235.1	218.2
75°	270.8	227.5	225.6	205.0	176.8
77.5°	212.6	180.5	184.3	165.5	129.7
80°	152.4	131.6	135.4	118.5	97.8
82.5°	101.5	86.6	90.3	75.2	65.8
85°	56.5	48.9	50.8	39.5	30.1
87.5°	26.4	22.5	22.5	15.0	9.4
90°	12.3	7.9	7.3	5.0	2.8
92.5°	76.2	54.2	49.4	30.3	11.2
95°	187.5	105.6	96.8	61.9	26.9
97.5°	252.6	116.0	108.3	77.5	46.6
100°	276.3	124.7	117.7	89.7	61.8
102.5°	287.1	133.4	126.8	100.8	74.7
105°	295.2	146.3	140.8	118.7	96.6
107.5°	296.7	165.4	160.3	139.6	119.1
110°	294.4	176.1	171.4	152.8	134.2



TEST NUMBER: P933829

CATALOG NUMBER: SQ4-FA-025U-050D-92765-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	294.5	189.0	184.6	166.8	149.2
115°	297.2	208.4	204.3	188.0	171.6
117.5°	302.8	227.2	223.5	208.6	193.8
120°	307.2	238.2	234.7	220.7	206.7
122.5°	313.7	251.1	247.5	233.5	219.4
125°	322.5	267.7	264.5	251.6	238.7
127.5°	331.2	283.7	280.4	267.4	254.4
130°	337.5	294.3	290.9	276.9	262.8
132.5°	342.7	303.0	299.6	285.6	271.6
135°	348.3	313.1	309.9	297.2	284.5
137.5°	356.7	326.0	322.8	310.3	297.7
140°	361.8	334.8	331.9	320.2	308.6
142.5°	366.1	341.3	338.6	327.8	317.1
145°	371.7	351.1	348.7	339.4	330.0
147.5°	380.0	363.4	361.2	352.0	342.9
150°	384.3	369.9	367.8	359.6	351.4
152.5°	387.1	374.1	372.5	366.3	360.0
155°	393.2	383.3	382.2	377.5	372.9
157.5°	399.5	392.7	391.5	387.0	382.5
160°	402.3	396.9	396.0	392.5	389.0
162.5°	405.3	401.4	400.7	398.1	395.5
165°	409.6	407.8	407.3	404.8	402.5
167.5°	413.0	411.5	411.2	410.1	408.9
170°	415.8	415.7	415.4	414.3	413.1
172.5°	415.9	415.9	415.9	415.7	415.4
175°	417.6	418.5	418.5	418.5	418.5
177.5°	417.8	418.5	418.5	418.5	418.5
180°	418.5	418.5	418.5	418.5	418.5



TEST NUMBER: P933829  
 CATALOG NUMBER: SQ4-FA-025U-050D-92765-1D-UNV-STD-W-12-5000K

**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	12.44	13.46	13.25	14.30	15.33	15.29	16.31	16.11	17.15	18.18
	3H	12.93	13.85	13.76	14.69	15.75	16.66	17.57	17.48	18.42	19.48
	4H	13.13	14.00	13.97	14.85	15.92	17.12	17.98	17.96	18.83	19.90
	6H	13.26	14.06	14.11	14.91	16.00	17.41	18.21	18.27	19.07	20.15
	8H	13.26	14.02	14.13	14.90	15.98	17.50	18.26	18.36	19.13	20.22
	12H	13.24	13.96	14.11	14.83	15.94	17.54	18.27	18.41	19.14	20.25
4H	2H	13.50	14.36	14.35	15.22	16.29	15.72	16.59	16.57	17.44	18.51
	3H	14.54	15.26	15.40	16.15	17.23	17.25	17.97	18.11	18.85	19.94
	4H	14.83	15.48	15.70	16.36	17.47	17.79	18.44	18.66	19.33	20.44
	6H	14.96	15.53	15.85	16.43	17.55	18.17	18.74	19.05	19.64	20.76
	8H	14.97	15.50	15.86	16.40	17.53	18.28	18.81	19.17	19.71	20.84
	12H	14.94	15.42	15.85	16.34	17.47	18.35	18.83	19.26	19.75	20.88
8H	4H	15.30	15.82	16.18	16.72	17.85	17.93	18.45	18.81	19.35	20.48
	6H	15.56	16.00	16.48	16.94	18.07	18.37	18.81	19.29	19.75	20.88
	8H	15.61	16.00	16.53	16.93	18.08	18.53	18.92	19.46	19.85	21.00
	12H	15.60	15.94	16.53	16.87	18.06	18.64	18.98	19.57	19.91	21.11
12H	4H	15.31	15.79	16.22	16.71	17.84	17.90	18.37	18.81	19.29	20.43
	6H	15.63	16.02	16.55	16.95	18.09	18.37	18.76	19.30	19.70	20.84
	8H	15.70	16.04	16.63	16.97	18.17	18.54	18.89	19.47	19.81	21.01