

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: P934227

Luminaire Tested: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934227
REPORT IS A COMBINATION OF REPORTS P933689 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

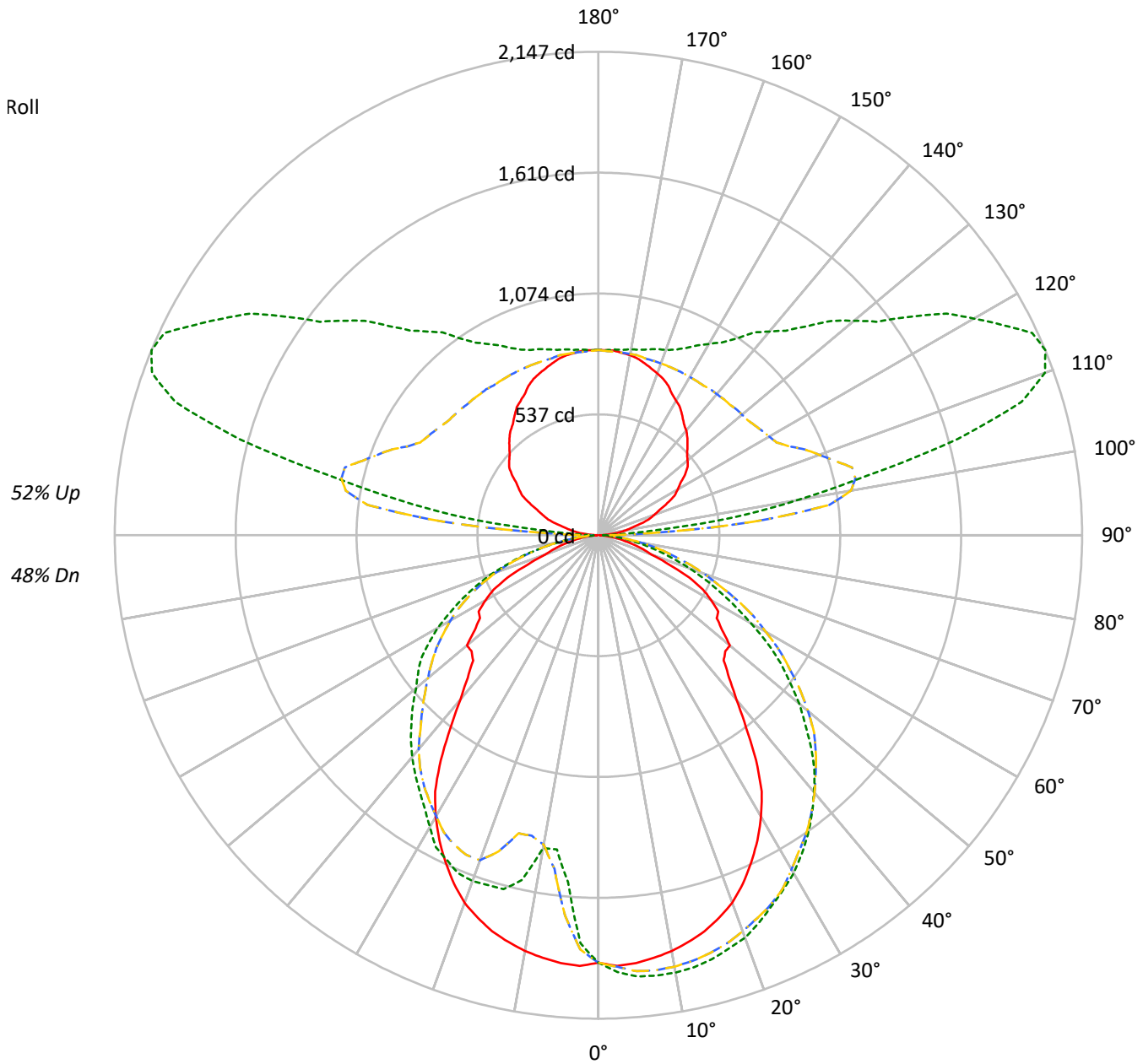
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10256.2 lumens
Efficiency: N/A
Efficacy: 120.4 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: General Diffuse

Input Watts (W): 85.2
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



— 0°-180° - - 45°-225° - - - 90°-270° - · - 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48	48	48	48
1	97	93	89	86	89	86	83	80	72	70	68	60	58	56	48	47	46	41	41	41	41
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	40	39	34	34	34	34
3	81	71	64	58	74	66	60	55	56	51	47	46	43	40	38	35	33	29	29	29	29
4	74	63	55	49	68	58	52	46	50	44	40	41	37	34	33	31	28	25	25	25	25
5	68	56	48	42	62	52	45	40	44	39	35	37	33	30	30	27	25	21	21	21	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19	19	19	19
7	58	45	38	32	53	42	35	30	36	30	26	30	26	23	25	22	19	17	17	17	17
8	54	41	34	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	16	13	13	13	13
10	47	34	27	22	43	32	26	21	28	22	19	23	19	16	20	16	14	12	12	12	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5871	5871	5871	5871
5°	5918	5927	5918	4660
10°	5880	5838	5880	4174
15°	5818	5712	5818	4770
20°	5699	5562	5699	4780
25°	5452	5344	5452	4678
30°	5132	5162	5132	4456
35°	4578	4933	4578	4211
40°	3816	4662	3816	4027
45°	3412	4346	3412	3814
50°	3628	3969	3628	3601
55°	3417	3563	3417	3478
60°	3527	3026	3527	3186
65°	3203	2501	3203	2796
70°	2224	1994	2224	2344
75°	1956	1474	1956	1764
80°	1589	975	1589	1061
85°	930	516	930	439

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5227 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.4	1.7
10°-20°	486.5	4.7
20°-30°	752.1	7.3
30°-40°	897.8	8.8
40°-50°	903.1	8.8
50°-60°	785.8	7.7
60°-70°	557.1	5.4
70°-80°	294.8	2.9
80°-90°	76.6	0.7
90°-100°	400.9	3.9
100°-110°	1053.9	10.3
110°-120°	1092.8	10.7
120°-130°	876.5	8.5
130°-140°	687.8	6.7
140°-150°	527.9	5.1
150°-160°	380.2	3.7
160°-170°	232.6	2.3
170°-180°	78.6	0.8
0°-30°	1409.9	13.7
0°-40°	2307.8	22.5
0°-60°	3996.6	39.0
0°-90°	4925.1	48.0
90°-120°	2547.5	24.8
90°-150°	4639.7	45.2
90°-180°	5331.0	52.0
0°-180°	10256.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1898	1898	1898	1898	1898	
5°	1907	1966	1907	1546	1907	181
15°	1821	1949	1821	1627	1821	512
25°	1604	1818	1604	1591	1604	736
35°	1219	1622	1219	1385	1219	754
45°	787	1336	787	1173	787	630
55°	641	986	641	963	641	589
65°	445	594	445	664	445	426
75°	169	282	169	338	169	177
85°	29	72	29	61	29	39
90°	6	21	6	21	6	6
95°	53	242	53	242	53	59
105°	190	1650	190	1650	190	201
115°	337	2125	337	2125	337	333
125°	469	1692	469	1692	469	416
135°	559	1313	559	1313	559	433
145°	648	1065	648	1065	648	406
155°	733	917	733	917	733	337
165°	791	854	791	854	791	223
175°	822	828	822	828	822	78
180°	822	822	822	822	822	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2
2.5°	1914.4	1914.4	1925.2	1928.8	1928.8	1923.4	1918.1	1923.4	1939.6	1944.9	1943.1
5°	1907.3	1921.6	1941.4	1944.9	1948.6	1946.8	1943.1	1946.8	1964.7	1968.3	1970.1
7.5°	1892.9	1919.8	1944.9	1950.4	1955.7	1950.4	1948.6	1952.2	1970.1	1973.7	1973.7
10°	1874.9	1912.6	1941.4	1944.9	1950.4	1944.9	1944.9	1952.2	1970.1	1973.7	1975.5
12.5°	1849.8	1901.9	1928.8	1932.4	1939.6	1937.8	1936.0	1943.1	1961.2	1964.7	1964.7
15°	1821.0	1882.1	1907.3	1910.8	1923.4	1919.8	1919.8	1927.0	1946.8	1952.2	1950.4
17.5°	1781.6	1857.0	1885.7	1891.1	1900.1	1898.2	1900.1	1907.3	1925.2	1928.8	1930.6
20°	1736.7	1822.8	1857.0	1862.4	1871.4	1871.4	1871.4	1880.3	1898.2	1905.5	1905.5
22.5°	1675.6	1786.9	1822.8	1826.5	1837.2	1837.2	1840.9	1853.3	1869.5	1871.4	1871.4
25°	1603.8	1747.4	1777.9	1788.7	1799.5	1804.9	1810.3	1817.5	1822.8	1821.0	1822.8
27.5°	1528.3	1697.1	1736.7	1743.8	1758.2	1763.5	1770.8	1772.6	1774.4	1779.7	1776.1
30°	1443.9	1627.1	1686.3	1693.6	1716.9	1720.5	1713.3	1716.9	1725.9	1729.5	1733.0
32.5°	1348.7	1522.9	1634.3	1650.5	1672.0	1661.3	1659.4	1664.8	1679.2	1679.2	1682.8
35°	1219.4	1442.1	1585.8	1600.2	1616.4	1603.8	1610.9	1612.7	1621.7	1627.1	1625.3
37.5°	1077.6	1372.0	1535.5	1546.3	1558.9	1542.7	1553.4	1558.9	1566.0	1562.4	1562.4
40°	951.8	1262.5	1476.2	1483.4	1494.2	1481.7	1492.4	1496.0	1499.6	1496.0	1494.2
42.5°	858.4	1142.2	1413.4	1422.4	1415.2	1424.2	1427.7	1435.0	1429.5	1422.4	1422.4
45°	786.6	1109.9	1345.2	1355.9	1345.2	1359.5	1364.9	1364.9	1348.7	1345.2	1343.3
47.5°	763.3	1045.3	1276.9	1276.9	1271.5	1289.5	1298.4	1285.9	1269.8	1264.3	1264.3
50°	761.5	973.4	1183.5	1176.3	1201.5	1223.0	1214.1	1201.5	1188.9	1169.2	1169.2
52.5°	691.4	885.4	1063.2	1090.2	1129.6	1142.2	1127.8	1115.2	1093.7	1084.7	1077.6
55°	641.2	793.8	953.6	1007.5	1048.8	1065.0	1038.0	1025.4	993.1	987.8	984.2
57.5°	630.4	660.9	853.1	921.3	971.6	969.8	953.6	930.3	903.3	898.0	896.2
60°	578.3	477.7	745.3	826.1	878.2	872.8	858.4	836.9	811.7	808.2	804.6
62.5°	524.4	346.6	623.1	714.8	788.4	786.6	774.1	741.7	723.7	714.8	707.6
65°	445.4	290.9	443.6	594.5	700.4	704.0	677.1	653.8	633.9	623.1	621.4
67.5°	339.5	237.1	299.9	495.7	616.0	612.4	578.3	567.5	542.4	537.0	526.2
70°	251.5	158.1	208.3	402.3	533.4	524.4	497.5	484.9	461.6	449.0	441.8
72.5°	208.3	127.5	152.6	312.5	449.0	438.2	414.9	400.5	380.7	370.0	362.8
75°	168.8	134.7	116.8	231.6	364.5	357.4	335.8	321.4	305.3	290.9	292.7
77.5°	123.9	125.7	93.4	170.6	289.1	278.4	265.8	247.9	240.7	226.3	226.3
80°	93.4	98.8	70.1	116.8	208.3	208.3	197.5	185.0	172.4	165.2	165.2
82.5°	62.8	62.8	52.0	73.6	141.8	136.5	129.3	125.7	118.5	115.0	115.0
85°	28.7	35.9	32.3	44.9	77.2	80.8	80.8	77.2	75.4	71.9	73.6
87.5°	9.0	16.2	19.7	25.2	39.5	41.3	43.1	43.1	43.1	44.9	44.9
90°	5.5	9.9	14.4	15.4	24.3	36.1	42.0	37.3	27.9	21.0	21.0
92.5°	22.0	59.5	97.1	106.5	149.7	207.4	236.2	207.0	148.6	104.9	100.7
95°	53.0	121.7	190.4	207.5	368.5	583.1	690.4	616.1	467.5	356.0	343.3
97.5°	91.6	152.2	212.8	228.0	496.4	854.2	1033.2	986.3	892.3	821.8	797.8
100°	121.4	176.4	231.3	245.0	542.9	940.0	1138.6	1142.0	1148.9	1154.1	1125.4
102.5°	146.8	198.1	249.3	262.2	564.2	967.1	1168.4	1228.2	1347.9	1437.7	1413.2
105°	189.9	233.2	276.6	287.5	580.0	970.1	1165.1	1299.3	1567.6	1768.9	1755.7
107.5°	234.0	274.5	315.0	325.1	583.1	927.0	1098.9	1286.1	1660.5	1941.2	1944.4
110°	263.9	300.4	337.0	346.1	578.6	888.7	1043.7	1253.0	1671.4	1985.3	1999.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	293.0	327.9	362.7	371.4	578.8	855.2	993.5	1207.6	1635.9	1957.2	1978.2
115°	337.2	369.4	401.5	409.5	584.1	816.9	933.3	1139.6	1552.2	1861.6	1890.9
117.5°	380.8	410.0	439.2	446.5	594.9	792.9	891.9	1078.1	1450.4	1729.7	1762.1
120°	406.2	433.7	461.1	468.0	603.8	784.9	875.4	1045.5	1385.7	1640.9	1672.4
122.5°	431.0	458.8	486.5	493.4	616.5	780.6	862.6	1015.8	1322.2	1552.0	1583.1
125°	469.2	494.4	519.7	526.0	633.7	777.1	848.9	979.0	1239.2	1434.4	1463.1
127.5°	500.0	525.6	551.1	557.4	650.7	775.1	837.3	949.0	1172.5	1340.1	1364.3
130°	516.6	544.1	571.5	578.4	663.2	776.3	832.9	932.3	1131.3	1280.5	1302.8
132.5°	533.7	561.2	588.7	595.6	673.4	777.1	829.0	918.1	1096.1	1229.7	1249.7
135°	559.1	584.1	609.1	615.4	684.4	776.4	822.4	897.0	1046.2	1158.0	1175.2
137.5°	585.0	609.8	634.7	640.8	701.0	781.2	821.3	884.3	1010.4	1105.0	1119.1
140°	606.5	629.4	652.1	657.9	711.1	781.9	817.4	871.8	980.8	1062.5	1075.7
142.5°	623.1	644.2	665.4	670.6	719.5	784.8	817.4	865.2	960.9	1032.7	1044.0
145°	648.5	666.9	685.3	689.9	730.6	784.8	811.9	851.0	929.3	988.0	996.5
147.5°	673.9	691.8	709.7	714.2	746.8	790.2	811.9	842.7	904.3	950.5	957.6
150°	690.4	706.6	722.8	726.9	755.2	793.0	811.9	837.9	889.9	928.9	934.7
152.5°	707.6	719.8	732.1	735.2	760.8	794.9	811.9	834.2	878.5	911.8	916.2
155°	732.9	742.0	751.1	753.4	772.9	798.9	811.9	829.6	864.9	891.4	894.2
157.5°	751.8	760.6	769.3	771.6	785.1	803.0	811.9	825.7	853.1	873.7	875.7
160°	764.4	771.3	778.2	779.9	790.6	804.8	811.9	823.7	847.2	864.9	866.0
162.5°	777.1	782.3	787.5	788.7	796.5	806.7	811.9	821.8	841.7	856.6	857.6
165°	791.0	795.6	800.2	801.4	804.9	809.6	811.9	819.1	833.3	843.9	845.0
167.5°	803.6	805.8	808.0	808.5	811.5	815.4	817.4	822.0	831.4	838.3	838.9
170°	811.9	814.1	816.3	816.8	817.0	817.3	817.4	822.0	831.4	838.3	838.3
172.5°	816.3	816.7	817.3	817.4	817.4	817.4	817.4	821.0	828.4	834.0	833.5
175°	822.4	822.4	822.4	822.4	820.7	818.4	817.4	819.7	824.4	827.9	827.9
177.5°	822.4	822.4	822.4	822.4	821.1	819.4	818.5	820.4	824.1	826.8	826.3
180°	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2
2.5°	1946.8	1941.4	1946.8	1943.1	1944.9	1939.6	1923.4	1918.1	1923.4	1928.8	1928.8
5°	1970.1	1966.5	1970.1	1970.1	1968.3	1964.7	1946.8	1943.1	1946.8	1948.6	1944.9
7.5°	1977.3	1971.9	1977.3	1973.7	1973.7	1970.1	1952.2	1948.6	1950.4	1955.7	1950.4
10°	1977.3	1971.9	1977.3	1975.5	1973.7	1970.1	1952.2	1944.9	1944.9	1950.4	1944.9
12.5°	1968.3	1964.7	1968.3	1964.7	1964.7	1961.2	1943.1	1936.0	1937.8	1939.6	1932.4
15°	1953.9	1948.6	1953.9	1950.4	1952.2	1946.8	1927.0	1919.8	1919.8	1923.4	1910.8
17.5°	1932.4	1925.2	1932.4	1930.6	1928.8	1925.2	1907.3	1900.1	1898.2	1900.1	1891.1
20°	1907.3	1901.9	1907.3	1905.5	1905.5	1898.2	1880.3	1871.4	1871.4	1871.4	1862.4
22.5°	1867.7	1862.4	1867.7	1871.4	1871.4	1869.5	1853.3	1840.9	1837.2	1837.2	1826.5
25°	1822.8	1817.5	1822.8	1822.8	1821.0	1822.8	1817.5	1810.3	1804.9	1799.5	1788.7
27.5°	1779.7	1776.1	1779.7	1776.1	1779.7	1774.4	1772.6	1770.8	1763.5	1758.2	1743.8
30°	1736.7	1733.0	1736.7	1733.0	1729.5	1725.9	1716.9	1713.3	1720.5	1716.9	1693.6
32.5°	1682.8	1679.2	1682.8	1682.8	1679.2	1679.2	1664.8	1659.4	1661.3	1672.0	1650.5
35°	1627.1	1621.7	1627.1	1625.3	1627.1	1621.7	1612.7	1610.9	1603.8	1616.4	1600.2
37.5°	1562.4	1557.1	1562.4	1562.4	1562.4	1566.0	1558.9	1553.4	1542.7	1558.9	1546.3
40°	1496.0	1488.8	1496.0	1494.2	1496.0	1499.6	1496.0	1492.4	1481.7	1494.2	1483.4
42.5°	1420.6	1418.7	1420.6	1422.4	1422.4	1429.5	1435.0	1427.7	1424.2	1415.2	1422.4
45°	1339.7	1336.2	1339.7	1343.3	1345.2	1348.7	1364.9	1364.9	1359.5	1345.2	1355.9
47.5°	1253.5	1244.6	1253.5	1264.3	1264.3	1269.8	1285.9	1298.4	1289.5	1271.5	1276.9
50°	1161.9	1163.7	1161.9	1169.2	1169.2	1188.9	1201.5	1214.1	1223.0	1201.5	1176.3
52.5°	1072.1	1070.3	1072.1	1077.6	1084.7	1093.7	1115.2	1127.8	1142.2	1129.6	1090.2
55°	982.3	986.0	982.3	984.2	987.8	993.1	1025.4	1038.0	1065.0	1048.8	1007.5
57.5°	892.5	887.2	892.5	896.2	898.0	903.3	930.3	953.6	969.8	971.6	921.3
60°	788.4	781.2	788.4	804.6	808.2	811.7	836.9	858.4	872.8	878.2	826.1
62.5°	696.8	684.3	696.8	707.6	714.8	723.7	741.7	774.1	786.6	788.4	714.8
65°	599.8	594.5	599.8	621.4	623.1	633.9	653.8	677.1	704.0	700.4	594.5
67.5°	511.8	511.8	511.8	526.2	537.0	542.4	567.5	578.3	612.4	616.0	495.7
70°	431.0	429.3	431.0	441.8	449.0	461.6	484.9	497.5	524.4	533.4	402.3
72.5°	353.8	352.0	353.8	362.8	370.0	380.7	400.5	414.9	438.2	449.0	312.5
75°	285.5	282.0	285.5	292.7	290.9	305.3	321.4	335.8	357.4	364.5	231.6
77.5°	219.1	219.1	219.1	226.3	226.3	240.7	247.9	265.8	278.4	289.1	170.6
80°	163.4	161.7	163.4	165.2	165.2	172.4	185.0	197.5	208.3	208.3	116.8
82.5°	115.0	111.3	115.0	115.0	115.0	118.5	125.7	129.3	136.5	141.8	73.6
85°	71.9	71.9	71.9	73.6	71.9	75.4	77.2	80.8	80.8	77.2	44.9
87.5°	46.7	44.9	46.7	44.9	44.9	43.1	43.1	43.1	41.3	39.5	25.2
90°	21.0	21.0	21.0	21.0	21.0	27.9	37.3	42.0	36.1	24.3	15.4
92.5°	84.0	67.3	84.0	100.7	104.9	148.6	207.0	236.2	207.4	149.7	106.5
95°	292.8	242.3	292.8	343.3	356.0	467.5	616.1	690.4	583.1	368.5	207.5
97.5°	701.6	605.5	701.6	797.8	821.8	892.3	986.3	1033.2	854.2	496.4	228.0
100°	1010.9	896.4	1010.9	1125.4	1154.1	1148.9	1142.0	1138.6	940.0	542.9	245.0
102.5°	1315.1	1217.0	1315.1	1413.2	1437.7	1347.9	1228.2	1168.4	967.1	564.2	262.2
105°	1703.0	1650.3	1703.0	1755.7	1768.9	1567.6	1299.3	1165.1	970.1	580.0	287.5
107.5°	1957.1	1969.8	1957.1	1944.4	1941.2	1660.5	1286.1	1098.9	927.0	583.1	325.1
110°	2053.9	2108.9	2053.9	1999.0	1985.3	1671.4	1253.0	1043.7	888.7	578.6	346.1



TEST NUMBER: P934227

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2062.7	2147.0	2062.7	1978.2	1957.2	1635.9	1207.6	993.5	855.2	578.8	371.4
115°	2007.9	2125.0	2007.9	1890.9	1861.6	1552.2	1139.6	933.3	816.9	584.1	409.5
117.5°	1891.9	2021.7	1891.9	1762.1	1729.7	1450.4	1078.1	891.9	792.9	594.9	446.5
120°	1798.5	1924.6	1798.5	1672.4	1640.9	1385.7	1045.5	875.4	784.9	603.8	468.0
122.5°	1707.5	1831.8	1707.5	1583.1	1552.0	1322.2	1015.8	862.6	780.6	616.5	493.4
125°	1577.6	1692.2	1577.6	1463.1	1434.4	1239.2	979.0	848.9	777.1	633.7	526.0
127.5°	1460.9	1557.5	1460.9	1364.3	1340.1	1172.5	949.0	837.3	775.1	650.7	557.4
130°	1392.1	1481.4	1392.1	1302.8	1280.5	1131.3	932.3	832.9	776.3	663.2	578.4
132.5°	1329.6	1409.6	1329.6	1249.7	1229.7	1096.1	918.1	829.0	777.1	673.4	595.6
135°	1244.1	1313.0	1244.1	1175.2	1158.0	1046.2	897.0	822.4	776.4	684.4	615.4
137.5°	1175.5	1231.9	1175.5	1119.1	1105.0	1010.4	884.3	821.3	781.2	701.0	640.8
140°	1128.4	1181.1	1128.4	1075.7	1062.5	980.8	871.8	817.4	781.9	711.1	657.9
142.5°	1089.4	1134.8	1089.4	1044.0	1032.7	960.9	865.2	817.4	784.8	719.5	670.6
145°	1030.9	1065.3	1030.9	996.5	988.0	929.3	851.0	811.9	784.8	730.6	689.9
147.5°	986.0	1014.5	986.0	957.6	950.5	904.3	842.7	811.9	790.2	746.8	714.2
150°	957.7	980.8	957.7	934.7	928.9	889.9	837.9	811.9	793.0	755.2	726.9
152.5°	933.6	951.0	933.6	916.2	911.8	878.5	834.2	811.9	794.9	760.8	735.2
155°	905.8	917.3	905.8	894.2	891.4	864.9	829.6	811.9	798.9	772.9	753.4
157.5°	883.8	891.9	883.8	875.7	873.7	853.1	825.7	811.9	803.0	785.1	771.6
160°	870.8	875.4	870.8	866.0	864.9	847.2	823.7	811.9	804.8	790.6	779.9
162.5°	862.1	866.6	862.1	857.6	856.6	841.7	821.8	811.9	806.7	796.5	788.7
165°	849.8	854.4	849.8	845.0	843.9	833.3	819.1	811.9	809.6	804.9	801.4
167.5°	840.8	842.8	840.8	838.9	838.3	831.4	822.0	817.4	815.4	811.5	808.5
170°	838.3	838.3	838.3	838.3	838.3	831.4	822.0	817.4	817.3	817.0	816.8
172.5°	831.8	830.1	831.8	833.5	834.0	828.4	821.0	817.4	817.4	817.4	817.4
175°	827.9	827.9	827.9	827.9	827.9	824.4	819.7	817.4	818.4	820.7	822.4
177.5°	824.3	822.4	824.3	826.3	826.8	824.1	820.4	818.5	819.4	821.1	822.4
180°	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4



TEST NUMBER: P934227

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2
2.5°	1925.2	1914.4	1914.4	1896.5	1889.3	1883.9	1874.9	1848.0	1840.9	1833.6	1844.4
5°	1941.4	1921.6	1907.3	1874.9	1848.0	1837.2	1803.1	1738.5	1695.4	1663.0	1645.1
7.5°	1944.9	1919.8	1892.9	1842.6	1777.9	1749.2	1645.1	1526.6	1494.2	1465.5	1447.5
10°	1941.4	1912.6	1874.9	1799.5	1646.9	1596.5	1492.4	1415.2	1395.4	1390.1	1395.4
12.5°	1928.8	1901.9	1849.8	1724.1	1510.4	1476.2	1415.2	1370.3	1366.7	1375.7	1424.2
15°	1907.3	1882.1	1821.0	1623.5	1435.0	1409.8	1366.7	1350.5	1370.3	1433.1	1578.6
17.5°	1885.7	1857.0	1781.6	1524.8	1377.5	1359.5	1328.9	1361.3	1472.6	1557.1	1605.6
20°	1857.0	1822.8	1736.7	1452.9	1336.2	1320.0	1305.6	1451.1	1535.5	1566.0	1593.0
22.5°	1822.8	1786.9	1675.6	1402.6	1293.0	1280.5	1289.5	1501.4	1535.5	1557.1	1580.4
25°	1777.9	1747.4	1603.8	1363.1	1259.0	1244.6	1278.7	1496.0	1515.8	1521.1	1567.8
27.5°	1736.7	1697.1	1528.3	1327.1	1217.6	1212.3	1287.7	1472.6	1487.0	1492.4	1542.7
30°	1686.3	1627.1	1443.9	1289.5	1174.5	1172.7	1289.5	1443.9	1440.3	1454.7	1505.0
32.5°	1634.3	1522.9	1348.7	1242.8	1133.2	1131.4	1276.9	1400.8	1397.2	1416.9	1454.7
35°	1585.8	1442.1	1219.4	1188.9	1081.1	1082.9	1246.4	1350.5	1352.3	1370.3	1393.6
37.5°	1535.5	1372.0	1077.6	1129.6	1030.9	1030.9	1205.0	1303.9	1300.3	1305.6	1337.9
40°	1476.2	1262.5	951.8	1052.4	984.2	978.8	1154.8	1253.5	1241.0	1239.2	1284.0
42.5°	1413.4	1142.2	858.4	950.0	930.3	923.1	1093.7	1192.5	1169.2	1174.5	1232.0
45°	1345.2	1109.9	786.6	802.7	874.6	869.2	1027.2	1122.5	1106.3	1120.7	1180.0
47.5°	1276.9	1045.3	763.3	666.3	815.3	813.5	953.6	1054.2	1045.3	1059.6	1122.5
50°	1183.5	973.4	761.5	571.1	748.9	756.0	865.7	987.8	987.8	1000.4	1066.8
52.5°	1063.2	885.4	691.4	517.2	671.7	693.2	788.4	930.3	933.9	946.4	1005.7
55°	953.6	793.8	641.2	475.9	580.1	626.8	712.9	871.0	878.2	890.7	944.7
57.5°	853.1	660.9	630.4	427.4	495.7	540.6	646.5	813.5	817.1	827.9	880.0
60°	745.3	477.7	578.3	375.3	422.0	456.1	585.5	745.3	757.8	765.1	810.0
62.5°	623.1	346.6	524.4	339.5	386.1	393.3	535.2	680.6	696.8	702.2	729.2
65°	443.6	290.9	445.4	308.9	348.4	350.2	481.3	614.2	628.6	637.5	657.3
67.5°	299.9	237.1	339.5	280.2	319.6	321.4	429.3	537.0	556.7	564.0	576.5
70°	208.3	158.1	251.5	249.7	287.3	290.9	373.6	466.9	484.9	490.3	497.5
72.5°	152.6	127.5	208.3	224.5	253.2	256.8	316.1	387.9	405.9	411.2	414.9
75°	116.8	134.7	168.8	195.8	215.5	217.3	258.6	316.1	328.7	332.2	334.0
77.5°	93.4	125.7	123.9	158.1	176.0	172.4	203.0	244.2	255.0	255.0	255.0
80°	70.1	98.8	93.4	113.2	129.3	125.7	145.5	174.2	177.8	181.4	179.6
82.5°	52.0	62.8	62.8	71.9	86.2	82.7	96.9	113.2	113.2	113.2	116.8
85°	32.3	35.9	28.7	37.8	48.5	46.7	53.9	61.1	62.8	62.8	59.3
87.5°	19.7	16.2	9.0	14.4	21.5	21.5	25.2	27.0	25.2	25.2	25.2
90°	14.4	9.9	5.5	9.9	14.4	15.4	24.3	36.1	42.0	37.3	27.9
92.5°	97.1	59.5	22.0	59.5	97.1	106.5	149.7	207.4	236.2	207.0	148.6
95°	190.4	121.7	53.0	121.7	190.4	207.5	368.5	583.1	690.4	616.1	467.5
97.5°	212.8	152.2	91.6	152.2	212.8	228.0	496.4	854.2	1033.2	986.3	892.3
100°	231.3	176.4	121.4	176.4	231.3	245.0	542.9	940.0	1138.6	1142.0	1148.9
102.5°	249.3	198.1	146.8	198.1	249.3	262.2	564.2	967.1	1168.4	1228.2	1347.9
105°	276.6	233.2	189.9	233.2	276.6	287.5	580.0	970.1	1165.1	1299.3	1567.6
107.5°	315.0	274.5	234.0	274.5	315.0	325.1	583.1	927.0	1098.9	1286.1	1660.5
110°	337.0	300.4	263.9	300.4	337.0	346.1	578.6	888.7	1043.7	1253.0	1671.4



TEST NUMBER: P934227

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	362.7	327.9	293.0	327.9	362.7	371.4	578.8	855.2	993.5	1207.6	1635.9
115°	401.5	369.4	337.2	369.4	401.5	409.5	584.1	816.9	933.3	1139.6	1552.2
117.5°	439.2	410.0	380.8	410.0	439.2	446.5	594.9	792.9	891.9	1078.1	1450.4
120°	461.1	433.7	406.2	433.7	461.1	468.0	603.8	784.9	875.4	1045.5	1385.7
122.5°	486.5	458.8	431.0	458.8	486.5	493.4	616.5	780.6	862.6	1015.8	1322.2
125°	519.7	494.4	469.2	494.4	519.7	526.0	633.7	777.1	848.9	979.0	1239.2
127.5°	551.1	525.6	500.0	525.6	551.1	557.4	650.7	775.1	837.3	949.0	1172.5
130°	571.5	544.1	516.6	544.1	571.5	578.4	663.2	776.3	832.9	932.3	1131.3
132.5°	588.7	561.2	533.7	561.2	588.7	595.6	673.4	777.1	829.0	918.1	1096.1
135°	609.1	584.1	559.1	584.1	609.1	615.4	684.4	776.4	822.4	897.0	1046.2
137.5°	634.7	609.8	585.0	609.8	634.7	640.8	701.0	781.2	821.3	884.3	1010.4
140°	652.1	629.4	606.5	629.4	652.1	657.9	711.1	781.9	817.4	871.8	980.8
142.5°	665.4	644.2	623.1	644.2	665.4	670.6	719.5	784.8	817.4	865.2	960.9
145°	685.3	666.9	648.5	666.9	685.3	689.9	730.6	784.8	811.9	851.0	929.3
147.5°	709.7	691.8	673.9	691.8	709.7	714.2	746.8	790.2	811.9	842.7	904.3
150°	722.8	706.6	690.4	706.6	722.8	726.9	755.2	793.0	811.9	837.9	889.9
152.5°	732.1	719.8	707.6	719.8	732.1	735.2	760.8	794.9	811.9	834.2	878.5
155°	751.1	742.0	732.9	742.0	751.1	753.4	772.9	798.9	811.9	829.6	864.9
157.5°	769.3	760.6	751.8	760.6	769.3	771.6	785.1	803.0	811.9	825.7	853.1
160°	778.2	771.3	764.4	771.3	778.2	779.9	790.6	804.8	811.9	823.7	847.2
162.5°	787.5	782.3	777.1	782.3	787.5	788.7	796.5	806.7	811.9	821.8	841.7
165°	800.2	795.6	791.0	795.6	800.2	801.4	804.9	809.6	811.9	819.1	833.3
167.5°	808.0	805.8	803.6	805.8	808.0	808.5	811.5	815.4	817.4	822.0	831.4
170°	816.3	814.1	811.9	814.1	816.3	816.8	817.0	817.3	817.4	822.0	831.4
172.5°	817.3	816.7	816.3	816.7	817.3	817.4	817.4	817.4	817.4	821.0	828.4
175°	822.4	822.4	822.4	822.4	822.4	822.4	820.7	818.4	817.4	819.7	824.4
177.5°	822.4	822.4	822.4	822.4	822.4	822.4	821.1	819.4	818.5	820.4	824.1
180°	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4



TEST NUMBER: P934227

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2
2.5°	1831.8	1826.5	1833.6	1813.9	1833.6	1826.5	1831.8	1844.4	1833.6	1840.9	1848.0
5°	1607.3	1598.3	1569.7	1546.3	1569.7	1598.3	1607.3	1645.1	1663.0	1695.4	1738.5
7.5°	1436.8	1429.5	1422.4	1408.0	1422.4	1429.5	1436.8	1447.5	1465.5	1494.2	1526.6
10°	1399.0	1400.8	1411.6	1409.8	1411.6	1400.8	1399.0	1395.4	1390.1	1395.4	1415.2
12.5°	1496.0	1512.2	1571.5	1567.8	1571.5	1512.2	1496.0	1424.2	1375.7	1366.7	1370.3
15°	1607.3	1612.7	1625.3	1627.1	1625.3	1612.7	1607.3	1578.6	1433.1	1370.3	1350.5
17.5°	1618.1	1619.9	1628.9	1628.9	1628.9	1619.9	1618.1	1605.6	1557.1	1472.6	1361.3
20°	1609.1	1612.7	1630.7	1634.3	1630.7	1612.7	1609.1	1593.0	1566.0	1535.5	1451.1
22.5°	1605.6	1612.7	1627.1	1625.3	1627.1	1612.7	1605.6	1580.4	1557.1	1535.5	1501.4
25°	1587.6	1587.6	1589.4	1591.2	1589.4	1587.6	1587.6	1567.8	1521.1	1515.8	1496.0
27.5°	1549.9	1553.4	1564.2	1562.4	1564.2	1553.4	1549.9	1542.7	1492.4	1487.0	1472.6
30°	1515.8	1512.2	1503.2	1496.0	1503.2	1512.2	1515.8	1505.0	1454.7	1440.3	1443.9
32.5°	1458.3	1449.3	1440.3	1435.0	1440.3	1449.3	1458.3	1454.7	1416.9	1397.2	1400.8
35°	1390.1	1391.9	1390.1	1384.6	1390.1	1391.9	1390.1	1393.6	1370.3	1352.3	1350.5
37.5°	1341.5	1345.2	1343.3	1336.2	1343.3	1345.2	1341.5	1337.9	1305.6	1300.3	1303.9
40°	1291.3	1293.0	1291.3	1285.9	1291.3	1293.0	1291.3	1284.0	1239.2	1241.0	1253.5
42.5°	1242.8	1241.0	1235.6	1232.0	1235.6	1241.0	1242.8	1232.0	1174.5	1169.2	1192.5
45°	1187.1	1188.9	1178.1	1172.7	1178.1	1188.9	1187.1	1180.0	1120.7	1106.3	1122.5
47.5°	1131.4	1131.4	1122.5	1117.0	1122.5	1131.4	1131.4	1122.5	1059.6	1045.3	1054.2
50°	1072.1	1070.3	1057.8	1056.0	1057.8	1070.3	1072.1	1066.8	1000.4	987.8	987.8
52.5°	1003.9	1003.9	1005.7	1009.3	1005.7	1003.9	1003.9	1005.7	946.4	933.9	930.3
55°	944.7	946.4	959.0	962.6	959.0	946.4	944.7	944.7	890.7	878.2	871.0
57.5°	883.6	883.6	892.5	892.5	892.5	883.6	883.6	880.0	827.9	817.1	813.5
60°	813.5	817.1	824.3	822.5	824.3	817.1	813.5	810.0	765.1	757.8	745.3
62.5°	739.9	743.6	745.3	741.7	745.3	743.6	739.9	729.2	702.2	696.8	680.6
65°	662.7	666.3	668.0	664.5	668.0	666.3	662.7	657.3	637.5	628.6	614.2
67.5°	583.7	581.9	580.1	587.3	580.1	581.9	583.7	576.5	564.0	556.7	537.0
70°	502.8	502.8	501.0	504.7	501.0	502.8	502.8	497.5	490.3	484.9	466.9
72.5°	416.7	414.9	422.0	416.7	422.0	414.9	416.7	414.9	411.2	405.9	387.9
75°	332.2	335.8	332.2	337.6	332.2	335.8	332.2	334.0	332.2	328.7	316.1
77.5°	253.2	256.8	253.2	253.2	253.2	256.8	253.2	255.0	255.0	255.0	244.2
80°	179.6	177.8	177.8	176.0	177.8	177.8	179.6	179.6	181.4	177.8	174.2
82.5°	115.0	113.2	113.2	116.8	113.2	113.2	115.0	116.8	113.2	113.2	113.2
85°	62.8	64.6	61.1	61.1	61.1	64.6	62.8	59.3	62.8	62.8	61.1
87.5°	23.4	21.5	21.5	21.5	21.5	21.5	23.4	25.2	25.2	25.2	27.0
90°	21.0	21.0	21.0	21.0	21.0	21.0	21.0	27.9	37.3	42.0	36.1
92.5°	104.9	100.7	84.0	67.3	84.0	100.7	104.9	148.6	207.0	236.2	207.4
95°	356.0	343.3	292.8	242.3	292.8	343.3	356.0	467.5	616.1	690.4	583.1
97.5°	821.8	797.8	701.6	605.5	701.6	797.8	821.8	892.3	986.3	1033.2	854.2
100°	1154.1	1125.4	1010.9	896.4	1010.9	1125.4	1154.1	1148.9	1142.0	1138.6	940.0
102.5°	1437.7	1413.2	1315.1	1217.0	1315.1	1413.2	1437.7	1347.9	1228.2	1168.4	967.1
105°	1768.9	1755.7	1703.0	1650.3	1703.0	1755.7	1768.9	1567.6	1299.3	1165.1	970.1
107.5°	1941.2	1944.4	1957.1	1969.8	1957.1	1944.4	1941.2	1660.5	1286.1	1098.9	927.0
110°	1985.3	1999.0	2053.9	2108.9	2053.9	1999.0	1985.3	1671.4	1253.0	1043.7	888.7



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1957.2	1978.2	2062.7	2147.0	2062.7	1978.2	1957.2	1635.9	1207.6	993.5	855.2
115°	1861.6	1890.9	2007.9	2125.0	2007.9	1890.9	1861.6	1552.2	1139.6	933.3	816.9
117.5°	1729.7	1762.1	1891.9	2021.7	1891.9	1762.1	1729.7	1450.4	1078.1	891.9	792.9
120°	1640.9	1672.4	1798.5	1924.6	1798.5	1672.4	1640.9	1385.7	1045.5	875.4	784.9
122.5°	1552.0	1583.1	1707.5	1831.8	1707.5	1583.1	1552.0	1322.2	1015.8	862.6	780.6
125°	1434.4	1463.1	1577.6	1692.2	1577.6	1463.1	1434.4	1239.2	979.0	848.9	777.1
127.5°	1340.1	1364.3	1460.9	1557.5	1460.9	1364.3	1340.1	1172.5	949.0	837.3	775.1
130°	1280.5	1302.8	1392.1	1481.4	1392.1	1302.8	1280.5	1131.3	932.3	832.9	776.3
132.5°	1229.7	1249.7	1329.6	1409.6	1329.6	1249.7	1229.7	1096.1	918.1	829.0	777.1
135°	1158.0	1175.2	1244.1	1313.0	1244.1	1175.2	1158.0	1046.2	897.0	822.4	776.4
137.5°	1105.0	1119.1	1175.5	1231.9	1175.5	1119.1	1105.0	1010.4	884.3	821.3	781.2
140°	1062.5	1075.7	1128.4	1181.1	1128.4	1075.7	1062.5	980.8	871.8	817.4	781.9
142.5°	1032.7	1044.0	1089.4	1134.8	1089.4	1044.0	1032.7	960.9	865.2	817.4	784.8
145°	988.0	996.5	1030.9	1065.3	1030.9	996.5	988.0	929.3	851.0	811.9	784.8
147.5°	950.5	957.6	986.0	1014.5	986.0	957.6	950.5	904.3	842.7	811.9	790.2
150°	928.9	934.7	957.7	980.8	957.7	934.7	928.9	889.9	837.9	811.9	793.0
152.5°	911.8	916.2	933.6	951.0	933.6	916.2	911.8	878.5	834.2	811.9	794.9
155°	891.4	894.2	905.8	917.3	905.8	894.2	891.4	864.9	829.6	811.9	798.9
157.5°	873.7	875.7	883.8	891.9	883.8	875.7	873.7	853.1	825.7	811.9	803.0
160°	864.9	866.0	870.8	875.4	870.8	866.0	864.9	847.2	823.7	811.9	804.8
162.5°	856.6	857.6	862.1	866.6	862.1	857.6	856.6	841.7	821.8	811.9	806.7
165°	843.9	845.0	849.8	854.4	849.8	845.0	843.9	833.3	819.1	811.9	809.6
167.5°	838.3	838.9	840.8	842.8	840.8	838.9	838.3	831.4	822.0	817.4	815.4
170°	838.3	838.3	838.3	838.3	838.3	838.3	838.3	831.4	822.0	817.4	817.3
172.5°	834.0	833.5	831.8	830.1	831.8	833.5	834.0	828.4	821.0	817.4	817.4
175°	827.9	827.9	827.9	827.9	827.9	827.9	827.9	824.4	819.7	817.4	818.4
177.5°	826.8	826.3	824.3	822.4	824.3	826.3	826.8	824.1	820.4	818.5	819.4
180°	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1898.2	1898.2	1898.2	1898.2	1898.2
2.5°	1874.9	1883.9	1889.3	1896.5	1914.4
5°	1803.1	1837.2	1848.0	1874.9	1907.3
7.5°	1645.1	1749.2	1777.9	1842.6	1892.9
10°	1492.4	1596.5	1646.9	1799.5	1874.9
12.5°	1415.2	1476.2	1510.4	1724.1	1849.8
15°	1366.7	1409.8	1435.0	1623.5	1821.0
17.5°	1328.9	1359.5	1377.5	1524.8	1781.6
20°	1305.6	1320.0	1336.2	1452.9	1736.7
22.5°	1289.5	1280.5	1293.0	1402.6	1675.6
25°	1278.7	1244.6	1259.0	1363.1	1603.8
27.5°	1287.7	1212.3	1217.6	1327.1	1528.3
30°	1289.5	1172.7	1174.5	1289.5	1443.9
32.5°	1276.9	1131.4	1133.2	1242.8	1348.7
35°	1246.4	1082.9	1081.1	1188.9	1219.4
37.5°	1205.0	1030.9	1030.9	1129.6	1077.6
40°	1154.8	978.8	984.2	1052.4	951.8
42.5°	1093.7	923.1	930.3	950.0	858.4
45°	1027.2	869.2	874.6	802.7	786.6
47.5°	953.6	813.5	815.3	666.3	763.3
50°	865.7	756.0	748.9	571.1	761.5
52.5°	788.4	693.2	671.7	517.2	691.4
55°	712.9	626.8	580.1	475.9	641.2
57.5°	646.5	540.6	495.7	427.4	630.4
60°	585.5	456.1	422.0	375.3	578.3
62.5°	535.2	393.3	386.1	339.5	524.4
65°	481.3	350.2	348.4	308.9	445.4
67.5°	429.3	321.4	319.6	280.2	339.5
70°	373.6	290.9	287.3	249.7	251.5
72.5°	316.1	256.8	253.2	224.5	208.3
75°	258.6	217.3	215.5	195.8	168.8
77.5°	203.0	172.4	176.0	158.1	123.9
80°	145.5	125.7	129.3	113.2	93.4
82.5°	96.9	82.7	86.2	71.9	62.8
85°	53.9	46.7	48.5	37.8	28.7
87.5°	25.2	21.5	21.5	14.4	9.0
90°	24.3	15.4	14.4	9.9	5.5
92.5°	149.7	106.5	97.1	59.5	22.0
95°	368.5	207.5	190.4	121.7	53.0
97.5°	496.4	228.0	212.8	152.2	91.6
100°	542.9	245.0	231.3	176.4	121.4
102.5°	564.2	262.2	249.3	198.1	146.8
105°	580.0	287.5	276.6	233.2	189.9
107.5°	583.1	325.1	315.0	274.5	234.0
110°	578.6	346.1	337.0	300.4	263.9



TEST NUMBER: P934227

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	578.8	371.4	362.7	327.9	293.0
115°	584.1	409.5	401.5	369.4	337.2
117.5°	594.9	446.5	439.2	410.0	380.8
120°	603.8	468.0	461.1	433.7	406.2
122.5°	616.5	493.4	486.5	458.8	431.0
125°	633.7	526.0	519.7	494.4	469.2
127.5°	650.7	557.4	551.1	525.6	500.0
130°	663.2	578.4	571.5	544.1	516.6
132.5°	673.4	595.6	588.7	561.2	533.7
135°	684.4	615.4	609.1	584.1	559.1
137.5°	701.0	640.8	634.7	609.8	585.0
140°	711.1	657.9	652.1	629.4	606.5
142.5°	719.5	670.6	665.4	644.2	623.1
145°	730.6	689.9	685.3	666.9	648.5
147.5°	746.8	714.2	709.7	691.8	673.9
150°	755.2	726.9	722.8	706.6	690.4
152.5°	760.8	735.2	732.1	719.8	707.6
155°	772.9	753.4	751.1	742.0	732.9
157.5°	785.1	771.6	769.3	760.6	751.8
160°	790.6	779.9	778.2	771.3	764.4
162.5°	796.5	788.7	787.5	782.3	777.1
165°	804.9	801.4	800.2	795.6	791.0
167.5°	811.5	808.5	808.0	805.8	803.6
170°	817.0	816.8	816.3	814.1	811.9
172.5°	817.4	817.4	817.3	816.7	816.3
175°	820.7	822.4	822.4	822.4	822.4
177.5°	821.1	822.4	822.4	822.4	822.4
180°	822.4	822.4	822.4	822.4	822.4



TEST NUMBER: P934227
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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	10.78	11.62	11.75	12.61	13.91	13.63	14.47	14.60	15.46	16.76
	3H	11.25	12.01	12.24	13.00	14.33	14.98	15.73	15.96	16.73	18.05
	4H	11.44	12.16	12.44	13.16	14.49	15.43	16.14	16.42	17.14	18.47
	6H	11.56	12.22	12.57	13.22	14.57	15.72	16.37	16.72	17.38	18.72
	8H	11.56	12.19	12.58	13.21	14.55	15.79	16.42	16.81	17.44	18.78
	12H	11.53	12.13	12.55	13.14	14.51	15.83	16.43	16.85	17.45	18.81
4H	2H	11.81	12.53	12.82	13.53	14.86	14.03	14.75	15.04	15.75	17.08
	3H	12.84	13.43	13.85	14.46	15.81	15.54	16.14	16.56	17.17	18.51
	4H	13.11	13.66	14.13	14.68	16.05	16.08	16.62	17.10	17.64	19.01
	6H	13.24	13.71	14.27	14.75	16.11	16.45	16.91	17.48	17.96	19.32
	8H	13.24	13.68	14.28	14.72	16.10	16.55	16.99	17.59	18.03	19.41
	12H	13.21	13.60	14.26	14.66	16.04	16.61	17.01	17.67	18.06	19.45
8H	4H	13.57	14.01	14.60	15.04	16.42	16.20	16.64	17.23	17.67	19.05
	6H	13.83	14.19	14.89	15.27	16.65	16.64	17.00	17.70	18.08	19.46
	8H	13.87	14.19	14.94	15.25	16.65	16.79	17.11	17.86	18.18	19.57
	12H	13.85	14.13	14.92	15.19	16.63	16.90	17.18	17.97	18.24	19.67
12H	4H	13.57	13.97	14.63	15.02	16.41	16.16	16.56	17.21	17.61	18.99
	6H	13.89	14.21	14.96	15.27	16.67	16.64	16.96	17.70	18.02	19.41
	8H	13.96	14.24	15.03	15.30	16.73	16.80	17.08	17.87	18.14	19.58