

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: P934278

Luminaire Tested: SQ4-FA-050U-050D-B2750-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934278
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-B2750-1D-UNV-STD-W-12-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

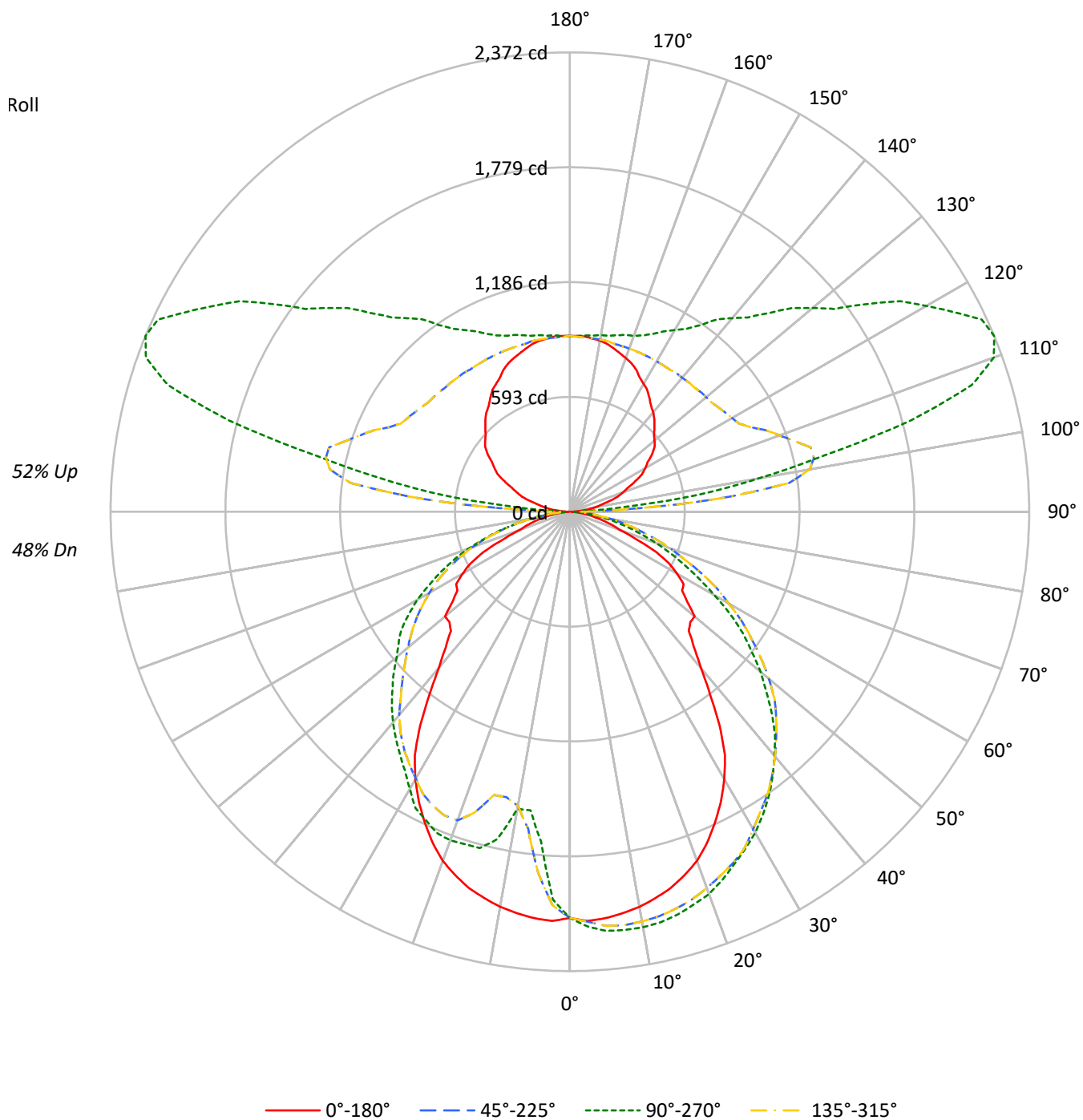
Lumens per Lamp: N/A
Luminaire Lumens: 11329.1 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

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

TEST NUMBER: P934278

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-STD-W-12-3000K

Luminous Intensity Polar Plot



TEST NUMBER: P934278

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-STD-W-12-3000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6486	6486	6486	6486
5°	6537	6547	6537	5148
10°	6495	6449	6495	4611
15°	6427	6309	6427	5269
20°	6295	6144	6295	5280
25°	6022	5903	6022	5167
30°	5669	5702	5669	4922
35°	5057	5449	5057	4652
40°	4216	5150	4216	4448
45°	3769	4801	3769	4214
50°	4008	4384	4008	3978
55°	3774	3935	3774	3842
60°	3895	3342	3895	3519
65°	3538	2763	3538	3088
70°	2456	2202	2456	2589
75°	2162	1628	2162	1949
80°	1754	1076	1754	1172
85°	1027	570	1027	484

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 5774 cd/sqm

TEST NUMBER: P934278

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-STD-W-12-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.3	1.7
10°-20°	537.4	4.7
20°-30°	830.7	7.3
30°-40°	991.7	8.8
40°-50°	997.6	8.8
50°-60°	868.0	7.7
60°-70°	615.4	5.4
70°-80°	325.6	2.9
80°-90°	84.6	0.7
90°-100°	442.8	3.9
100°-110°	1164.2	10.3
110°-120°	1207.1	10.7
120°-130°	968.3	8.5
130°-140°	759.7	6.7
140°-150°	583.1	5.1
150°-160°	420.0	3.7
160°-170°	256.9	2.3
170°-180°	86.8	0.8
0°-30°	1557.4	13.7
0°-40°	2549.2	22.5
0°-60°	4414.7	39.0
0°-90°	5440.3	48.0
90°-120°	2814.0	24.8
90°-150°	5125.1	45.2
90°-180°	5889.0	52.0
0°-180°	11329.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2097	2097	2097	2097	2097	
5°	2107	2172	2107	1708	2107	200
15°	2012	2152	2012	1797	2012	566
25°	1772	2008	1772	1758	1772	813
35°	1347	1791	1347	1530	1347	833
45°	869	1476	869	1295	869	696
55°	708	1089	708	1063	708	651
65°	492	657	492	734	492	470
75°	186	312	186	373	186	196
85°	32	79	32	67	32	43
90°	6	23	6	23	6	6
95°	59	268	59	268	59	65
105°	210	1823	210	1823	210	222
115°	372	2347	372	2347	372	368
125°	518	1869	518	1869	518	460
135°	618	1450	618	1450	618	478
145°	716	1177	716	1177	716	449
155°	810	1013	810	1013	810	372
165°	874	944	874	944	874	247
175°	908	914	908	914	908	86
180°	908	908	908	908	908	

TEST NUMBER: P934278

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8
2.5°	2114.7	2114.7	2126.6	2130.5	2130.5	2124.6	2118.7	2124.6	2142.5	2148.4	2146.4
5°	2106.8	2122.7	2144.5	2148.4	2152.4	2150.5	2146.4	2150.5	2170.3	2174.2	2176.2
7.5°	2090.9	2120.7	2148.4	2154.4	2160.3	2154.4	2152.4	2156.4	2176.2	2180.1	2180.1
10°	2071.1	2112.7	2144.5	2148.4	2154.4	2148.4	2148.4	2156.4	2176.2	2180.1	2182.2
12.5°	2043.3	2100.9	2130.5	2134.6	2142.5	2140.5	2138.5	2146.4	2166.3	2170.3	2170.3
15°	2011.5	2079.0	2106.8	2110.7	2124.6	2120.7	2120.7	2128.6	2150.5	2156.4	2154.4
17.5°	1968.0	2051.3	2083.0	2088.9	2098.9	2096.8	2098.9	2106.8	2126.6	2130.5	2132.6
20°	1918.4	2013.5	2051.3	2057.2	2067.1	2067.1	2067.1	2077.0	2096.8	2104.8	2104.8
22.5°	1850.9	1973.9	2013.5	2017.6	2029.4	2029.4	2033.4	2047.2	2065.1	2067.1	2067.1
25°	1771.5	1930.2	1963.9	1975.8	1987.8	1993.7	1999.7	2007.6	2013.5	2011.5	2013.5
27.5°	1688.2	1874.7	1918.4	1926.2	1942.1	1948.0	1956.0	1958.0	1960.0	1965.9	1961.9
30°	1595.0	1797.3	1862.8	1870.7	1896.5	1900.5	1892.5	1896.5	1906.4	1910.4	1914.3
32.5°	1489.8	1682.2	1805.3	1823.1	1846.9	1835.0	1833.0	1839.0	1854.9	1854.9	1858.8
35°	1347.0	1593.0	1751.7	1767.6	1785.4	1771.5	1779.4	1781.4	1791.4	1797.3	1795.3
37.5°	1190.3	1515.6	1696.1	1708.0	1722.0	1704.1	1715.9	1722.0	1729.8	1725.9	1725.9
40°	1051.4	1394.6	1630.6	1638.6	1650.5	1636.7	1648.5	1652.5	1656.5	1652.5	1650.5
42.5°	948.2	1261.7	1561.2	1571.2	1563.2	1573.2	1577.1	1585.1	1579.1	1571.2	1571.2
45°	868.9	1226.0	1485.9	1497.7	1485.9	1501.8	1507.7	1507.7	1489.8	1485.9	1483.8
47.5°	843.1	1154.6	1410.5	1410.5	1404.6	1424.4	1434.2	1420.4	1402.6	1396.6	1396.6
50°	841.2	1075.2	1307.3	1299.4	1327.2	1350.9	1341.1	1327.2	1313.3	1291.5	1291.5
52.5°	763.8	978.0	1174.4	1204.2	1247.8	1261.7	1245.8	1231.9	1208.1	1198.2	1190.3
55°	708.2	876.8	1053.3	1112.9	1158.6	1176.4	1146.6	1132.7	1097.0	1091.1	1087.2
57.5°	696.3	730.0	942.3	1017.7	1073.3	1071.3	1053.3	1027.6	997.8	991.9	989.9
60°	638.8	527.7	823.3	912.5	970.0	964.1	948.2	924.5	896.7	892.7	888.8
62.5°	579.3	382.9	688.3	789.6	870.8	868.9	855.1	819.3	799.4	789.6	781.6
65°	492.0	321.3	490.0	656.7	773.7	777.7	747.9	722.1	700.3	688.3	686.4
67.5°	375.0	261.9	331.3	547.5	680.4	676.5	638.8	626.9	599.1	593.2	581.2
70°	277.8	174.6	230.1	444.4	589.2	579.3	549.5	535.6	509.9	496.0	488.0
72.5°	230.1	140.8	168.6	345.2	496.0	484.0	458.3	442.4	420.5	408.7	400.7
75°	186.5	148.8	129.0	255.9	402.7	394.8	370.9	355.1	337.2	321.3	323.3
77.5°	136.9	138.8	103.1	188.4	319.4	307.5	293.6	273.8	265.8	250.0	250.0
80°	103.1	109.2	77.4	129.0	230.1	230.1	218.2	204.3	190.4	182.5	182.5
82.5°	69.4	69.4	57.5	81.3	156.7	150.8	142.9	138.8	130.9	127.0	127.0
85°	31.7	39.6	35.7	49.6	85.3	89.2	89.2	85.3	83.3	79.4	81.3
87.5°	10.0	17.8	21.8	27.8	43.7	45.7	47.6	47.6	47.6	49.6	49.6
90°	6.1	10.9	15.9	17.1	26.8	39.8	46.3	41.2	30.9	23.2	23.2
92.5°	24.4	65.8	107.3	117.6	165.4	229.0	260.9	228.7	164.2	115.9	111.2
95°	58.6	134.4	210.3	229.2	407.0	644.2	762.7	680.5	516.4	393.2	379.2
97.5°	101.2	168.1	235.1	251.8	548.3	943.6	1141.3	1089.4	985.6	907.8	881.3
100°	134.1	194.8	255.5	270.7	599.7	1038.4	1257.7	1261.5	1269.1	1274.8	1243.1
102.5°	162.2	218.8	275.4	289.6	623.3	1068.2	1290.7	1356.7	1489.0	1588.2	1561.0
105°	209.7	257.6	305.6	317.6	640.7	1071.6	1287.0	1435.2	1731.6	1954.0	1939.4
107.5°	258.5	303.2	348.0	359.1	644.1	1024.0	1213.9	1420.6	1834.2	2144.3	2147.8
110°	291.5	331.8	372.2	382.3	639.1	981.7	1152.9	1384.0	1846.3	2193.0	2208.1

TEST NUMBER: P934278

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	323.7	362.2	400.6	410.3	639.3	944.7	1097.4	1334.0	1807.0	2161.9	2185.2
115°	372.5	408.0	443.5	452.4	645.2	902.4	1031.0	1258.8	1714.6	2056.4	2088.7
117.5°	420.6	452.9	485.1	493.2	657.2	875.9	985.2	1190.9	1602.2	1910.7	1946.5
120°	448.7	479.1	509.4	517.0	666.9	867.0	967.0	1154.9	1530.7	1812.6	1847.4
122.5°	476.1	506.8	537.4	545.1	681.0	862.3	952.9	1122.1	1460.6	1714.4	1748.7
125°	518.2	546.1	574.0	581.0	700.0	858.4	937.7	1081.4	1368.9	1584.5	1616.2
127.5°	552.4	580.6	608.8	615.8	718.8	856.1	924.9	1048.3	1295.1	1480.3	1507.0
130°	570.7	601.1	631.3	638.9	732.6	857.5	920.0	1029.9	1249.7	1414.4	1439.1
132.5°	589.5	619.9	650.3	657.9	743.8	858.4	915.7	1014.1	1210.8	1358.3	1380.4
135°	617.6	645.2	672.8	679.7	756.0	857.6	908.4	990.8	1155.6	1279.1	1298.2
137.5°	646.2	673.6	701.0	707.8	774.3	862.9	907.2	976.8	1116.2	1220.6	1236.1
140°	670.0	695.2	720.4	726.7	785.4	863.7	902.9	963.0	1083.4	1173.6	1188.2
142.5°	688.3	711.6	735.0	740.8	794.8	866.9	902.9	955.7	1061.4	1140.7	1153.2
145°	716.3	736.6	757.0	762.1	807.0	866.9	896.9	940.1	1026.5	1091.3	1100.8
147.5°	744.4	764.2	784.0	788.9	824.9	872.9	896.9	930.9	998.9	1049.9	1057.8
150°	762.7	780.5	798.5	802.9	834.3	876.0	896.9	925.6	982.9	1026.0	1032.4
152.5°	781.6	795.1	808.7	812.1	840.4	878.0	896.9	921.4	970.4	1007.2	1012.0
155°	809.6	819.7	829.7	832.2	853.8	882.5	896.9	916.4	955.3	984.6	987.8
157.5°	830.4	840.2	849.8	852.3	867.2	887.0	896.9	912.0	942.3	965.1	967.4
160°	844.4	852.0	859.6	861.5	873.3	889.0	896.9	909.9	935.8	955.3	956.6
162.5°	858.4	864.1	869.8	871.2	879.8	891.1	896.9	907.8	929.7	946.2	947.3
165°	873.7	878.8	883.9	885.2	889.1	894.3	896.9	904.8	920.4	932.2	933.4
167.5°	887.7	890.1	892.5	893.1	896.4	900.7	902.9	908.0	918.4	926.1	926.6
170°	896.9	899.2	901.7	902.3	902.5	902.8	902.9	908.0	918.4	926.1	926.1
172.5°	901.7	902.2	902.8	902.9	902.9	902.9	902.9	906.9	915.1	921.2	920.7
175°	908.4	908.4	908.4	908.4	906.5	904.1	902.9	905.4	910.7	914.5	914.5
177.5°	908.4	908.4	908.4	908.4	907.0	905.1	904.2	906.2	910.3	913.3	912.7
180°	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4

TEST NUMBER: P934278

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8
2.5°	2150.5	2144.5	2150.5	2146.4	2148.4	2142.5	2124.6	2118.7	2124.6	2130.5	2130.5
5°	2176.2	2172.3	2176.2	2176.2	2174.2	2170.3	2150.5	2146.4	2150.5	2152.4	2148.4
7.5°	2184.2	2178.2	2184.2	2180.1	2180.1	2176.2	2156.4	2152.4	2154.4	2160.3	2154.4
10°	2184.2	2178.2	2184.2	2182.2	2180.1	2176.2	2156.4	2148.4	2148.4	2154.4	2148.4
12.5°	2174.2	2170.3	2174.2	2170.3	2170.3	2166.3	2146.4	2138.5	2140.5	2142.5	2134.6
15°	2158.4	2152.4	2158.4	2154.4	2156.4	2150.5	2128.6	2120.7	2120.7	2124.6	2110.7
17.5°	2134.6	2126.6	2134.6	2132.6	2130.5	2126.6	2106.8	2098.9	2096.8	2098.9	2088.9
20°	2106.8	2100.9	2106.8	2104.8	2104.8	2096.8	2077.0	2067.1	2067.1	2067.1	2057.2
22.5°	2063.1	2057.2	2063.1	2067.1	2067.1	2065.1	2047.2	2033.4	2029.4	2029.4	2017.6
25°	2013.5	2007.6	2013.5	2013.5	2011.5	2013.5	2007.6	1999.7	1993.7	1987.8	1975.8
27.5°	1965.9	1961.9	1965.9	1961.9	1965.9	1960.0	1958.0	1956.0	1948.0	1942.1	1926.2
30°	1918.4	1914.3	1918.4	1914.3	1910.4	1906.4	1896.5	1892.5	1900.5	1896.5	1870.7
32.5°	1858.8	1854.9	1858.8	1858.8	1854.9	1854.9	1839.0	1833.0	1835.0	1846.9	1823.1
35°	1797.3	1791.4	1797.3	1795.3	1797.3	1791.4	1781.4	1779.4	1771.5	1785.4	1767.6
37.5°	1725.9	1720.0	1725.9	1725.9	1725.9	1729.8	1722.0	1715.9	1704.1	1722.0	1708.0
40°	1652.5	1644.5	1652.5	1650.5	1652.5	1656.5	1652.5	1648.5	1636.7	1650.5	1638.6
42.5°	1569.2	1567.1	1569.2	1571.2	1571.2	1579.1	1585.1	1577.1	1573.2	1563.2	1571.2
45°	1479.9	1475.9	1479.9	1483.8	1485.9	1489.8	1507.7	1507.7	1501.8	1485.9	1497.7
47.5°	1384.6	1374.8	1384.6	1396.6	1396.6	1402.6	1420.4	1434.2	1424.4	1404.6	1410.5
50°	1283.5	1285.4	1283.5	1291.5	1291.5	1313.3	1327.2	1341.1	1350.9	1327.2	1299.4
52.5°	1184.3	1182.3	1184.3	1190.3	1198.2	1208.1	1231.9	1245.8	1261.7	1247.8	1204.2
55°	1085.1	1089.1	1085.1	1087.2	1091.1	1097.0	1132.7	1146.6	1176.4	1158.6	1112.9
57.5°	985.9	980.0	985.9	989.9	991.9	997.8	1027.6	1053.3	1071.3	1073.3	1017.7
60°	870.8	862.9	870.8	888.8	892.7	896.7	924.5	948.2	964.1	970.0	912.5
62.5°	769.7	755.9	769.7	781.6	789.6	799.4	819.3	855.1	868.9	870.8	789.6
65°	662.6	656.7	662.6	686.4	688.3	700.3	722.1	747.9	777.7	773.7	656.7
67.5°	565.4	565.4	565.4	581.2	593.2	599.1	626.9	638.8	676.5	680.4	547.5
70°	476.1	474.2	476.1	488.0	496.0	509.9	535.6	549.5	579.3	589.2	444.4
72.5°	390.9	388.8	390.9	400.7	408.7	420.5	442.4	458.3	484.0	496.0	345.2
75°	315.4	311.5	315.4	323.3	321.3	337.2	355.1	370.9	394.8	402.7	255.9
77.5°	242.1	242.1	242.1	250.0	250.0	265.8	273.8	293.6	307.5	319.4	188.4
80°	180.5	178.6	180.5	182.5	182.5	190.4	204.3	218.2	230.1	230.1	129.0
82.5°	127.0	123.0	127.0	127.0	127.0	130.9	138.8	142.9	150.8	156.7	81.3
85°	79.4	79.4	79.4	81.3	79.4	83.3	85.3	89.2	89.2	85.3	49.6
87.5°	51.6	49.6	51.6	49.6	49.6	47.6	47.6	47.6	45.7	43.7	27.8
90°	23.2	23.2	23.2	23.2	23.2	30.9	41.2	46.3	39.8	26.8	17.1
92.5°	92.8	74.3	92.8	111.2	115.9	164.2	228.7	260.9	229.0	165.4	117.6
95°	323.4	267.6	323.4	379.2	393.2	516.4	680.5	762.7	644.2	407.0	229.2
97.5°	775.0	668.8	775.0	881.3	907.8	985.6	1089.4	1141.3	943.6	548.3	251.8
100°	1116.6	990.1	1116.6	1243.1	1274.8	1269.1	1261.5	1257.7	1038.4	599.7	270.7
102.5°	1452.7	1344.3	1452.7	1561.0	1588.2	1489.0	1356.7	1290.7	1068.2	623.3	289.6
105°	1881.2	1822.9	1881.2	1939.4	1954.0	1731.6	1435.2	1287.0	1071.6	640.7	317.6
107.5°	2161.8	2175.9	2161.8	2147.8	2144.3	1834.2	1420.6	1213.9	1024.0	644.1	359.1
110°	2268.8	2329.5	2268.8	2208.1	2193.0	1846.3	1384.0	1152.9	981.7	639.1	382.3

TEST NUMBER: P934278

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2278.4	2371.6	2278.4	2185.2	2161.9	1807.0	1334.0	1097.4	944.7	639.3	410.3
115°	2218.0	2347.3	2218.0	2088.7	2056.4	1714.6	1258.8	1031.0	902.4	645.2	452.4
117.5°	2089.8	2233.2	2089.8	1946.5	1910.7	1602.2	1190.9	985.2	875.9	657.2	493.2
120°	1986.7	2125.9	1986.7	1847.4	1812.6	1530.7	1154.9	967.0	867.0	666.9	517.0
122.5°	1886.1	2023.5	1886.1	1748.7	1714.4	1460.6	1122.1	952.9	862.3	681.0	545.1
125°	1742.7	1869.3	1742.7	1616.2	1584.5	1368.9	1081.4	937.7	858.4	700.0	581.0
127.5°	1613.7	1720.5	1613.7	1507.0	1480.3	1295.1	1048.3	924.9	856.1	718.8	615.8
130°	1537.8	1636.4	1537.8	1439.1	1414.4	1249.7	1029.9	920.0	857.5	732.6	638.9
132.5°	1468.7	1557.1	1468.7	1380.4	1358.3	1210.8	1014.1	915.7	858.4	743.8	657.9
135°	1374.3	1450.4	1374.3	1298.2	1279.1	1155.6	990.8	908.4	857.6	756.0	679.7
137.5°	1298.5	1360.8	1298.5	1236.1	1220.6	1116.2	976.8	907.2	862.9	774.3	707.8
140°	1246.4	1304.7	1246.4	1188.2	1173.6	1083.4	963.0	902.9	863.7	785.4	726.7
142.5°	1203.4	1253.5	1203.4	1153.2	1140.7	1061.4	955.7	902.9	866.9	794.8	740.8
145°	1138.7	1176.7	1138.7	1100.8	1091.3	1026.5	940.1	896.9	866.9	807.0	762.1
147.5°	1089.1	1120.6	1089.1	1057.8	1049.9	998.9	930.9	896.9	872.9	824.9	788.9
150°	1057.9	1083.4	1057.9	1032.4	1026.0	982.9	925.6	896.9	876.0	834.3	802.9
152.5°	1031.3	1050.5	1031.3	1012.0	1007.2	970.4	921.4	896.9	878.0	840.4	812.1
155°	1000.6	1013.3	1000.6	987.8	984.6	955.3	916.4	896.9	882.5	853.8	832.2
157.5°	976.2	985.2	976.2	967.4	965.1	942.3	912.0	896.9	887.0	867.2	852.3
160°	961.8	967.0	961.8	956.6	955.3	935.8	909.9	896.9	889.0	873.3	861.5
162.5°	952.3	957.2	952.3	947.3	946.2	929.7	907.8	896.9	891.1	879.8	871.2
165°	938.7	943.8	938.7	933.4	932.2	920.4	904.8	896.9	894.3	889.1	885.2
167.5°	928.8	931.0	928.8	926.6	926.1	918.4	908.0	902.9	900.7	896.4	893.1
170°	926.1	926.1	926.1	926.1	926.1	918.4	908.0	902.9	902.8	902.5	902.3
172.5°	918.9	917.0	918.9	920.7	921.2	915.1	906.9	902.9	902.9	902.9	902.9
175°	914.5	914.5	914.5	914.5	914.5	910.7	905.4	902.9	904.1	906.5	908.4
177.5°	910.6	908.4	910.6	912.7	913.3	910.3	906.2	904.2	905.1	907.0	908.4
180°	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4

TEST NUMBER: P934278

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8
2.5°	2126.6	2114.7	2114.7	2094.9	2087.0	2081.0	2071.1	2041.3	2033.4	2025.4	2037.4
5°	2144.5	2122.7	2106.8	2071.1	2041.3	2029.4	1991.7	1920.3	1872.7	1837.0	1817.2
7.5°	2148.4	2120.7	2090.9	2035.4	1963.9	1932.2	1817.2	1686.3	1650.5	1618.8	1598.9
10°	2144.5	2112.7	2071.1	1987.8	1819.2	1763.6	1648.5	1563.2	1541.4	1535.5	1541.4
12.5°	2130.5	2100.9	2043.3	1904.5	1668.4	1630.6	1563.2	1513.6	1509.7	1519.6	1573.2
15°	2106.8	2079.0	2011.5	1793.3	1585.1	1557.3	1509.7	1491.8	1513.6	1583.0	1743.7
17.5°	2083.0	2051.3	1968.0	1684.3	1521.6	1501.8	1468.0	1503.7	1626.7	1720.0	1773.5
20°	2051.3	2013.5	1918.4	1604.9	1475.9	1458.1	1442.2	1602.9	1696.1	1729.8	1759.6
22.5°	2013.5	1973.9	1850.9	1549.3	1428.3	1414.4	1424.4	1658.5	1696.1	1720.0	1745.7
25°	1963.9	1930.2	1771.5	1505.7	1390.7	1374.8	1412.4	1652.5	1674.3	1680.2	1731.8
27.5°	1918.4	1874.7	1688.2	1466.0	1345.0	1339.1	1422.4	1626.7	1642.6	1648.5	1704.1
30°	1862.8	1797.3	1595.0	1424.4	1297.4	1295.4	1424.4	1595.0	1591.0	1606.9	1662.4
32.5°	1805.3	1682.2	1489.8	1372.8	1251.7	1249.8	1410.5	1547.3	1543.4	1565.2	1606.9
35°	1751.7	1593.0	1347.0	1313.3	1194.2	1196.2	1376.8	1491.8	1493.8	1513.6	1539.4
37.5°	1696.1	1515.6	1190.3	1247.8	1138.7	1138.7	1331.1	1440.3	1436.3	1442.2	1477.9
40°	1630.6	1394.6	1051.4	1162.5	1087.2	1081.1	1275.6	1384.6	1370.8	1368.9	1418.4
42.5°	1561.2	1261.7	948.2	1049.4	1027.6	1019.6	1208.1	1317.2	1291.5	1297.4	1360.9
45°	1485.9	1226.0	868.9	886.7	966.1	960.2	1134.7	1239.9	1222.0	1237.9	1303.4
47.5°	1410.5	1154.6	843.1	736.0	900.6	898.6	1053.3	1164.5	1154.6	1170.5	1239.9
50°	1307.3	1075.2	841.2	630.8	827.3	835.1	956.2	1091.1	1091.1	1105.0	1178.4
52.5°	1174.4	978.0	763.8	571.3	742.0	765.7	870.8	1027.6	1031.6	1045.5	1110.9
55°	1053.3	876.8	708.2	525.7	640.8	692.4	787.5	962.1	970.0	983.9	1043.5
57.5°	942.3	730.0	696.3	472.1	547.5	597.1	714.2	898.6	902.6	914.5	972.1
60°	823.3	527.7	638.8	414.6	466.2	503.8	646.7	823.3	837.1	845.1	894.7
62.5°	688.3	382.9	579.3	375.0	426.5	434.4	591.2	751.8	769.7	775.7	805.5
65°	490.0	321.3	492.0	341.3	384.8	386.8	531.7	678.5	694.3	704.2	726.1
67.5°	331.3	261.9	375.0	309.5	353.1	355.1	474.2	593.2	615.0	623.0	636.8
70°	230.1	174.6	277.8	275.8	317.4	321.3	412.6	515.8	535.6	541.6	549.5
72.5°	168.6	140.8	230.1	248.0	279.7	283.7	349.1	428.5	448.3	454.3	458.3
75°	129.0	148.8	186.5	216.2	238.0	240.0	285.6	349.1	363.0	367.0	369.0
77.5°	103.1	138.8	136.9	174.6	194.4	190.4	224.2	269.8	281.7	281.7	281.7
80°	77.4	109.2	103.1	125.0	142.9	138.8	160.7	192.5	196.4	200.4	198.4
82.5°	57.5	69.4	69.4	79.4	95.2	91.3	107.1	125.0	125.0	125.0	129.0
85°	35.7	39.6	31.7	41.7	53.5	51.6	59.6	67.4	69.4	69.4	65.5
87.5°	21.8	17.8	10.0	15.9	23.8	23.8	27.8	29.8	27.8	27.8	27.8
90°	15.9	10.9	6.1	10.9	15.9	17.1	26.8	39.8	46.3	41.2	30.9
92.5°	107.3	65.8	24.4	65.8	107.3	117.6	165.4	229.0	260.9	228.7	164.2
95°	210.3	134.4	58.6	134.4	210.3	229.2	407.0	644.2	762.7	680.5	516.4
97.5°	235.1	168.1	101.2	168.1	235.1	251.8	548.3	943.6	1141.3	1089.4	985.6
100°	255.5	194.8	134.1	194.8	255.5	270.7	599.7	1038.4	1257.7	1261.5	1269.1
102.5°	275.4	218.8	162.2	218.8	275.4	289.6	623.3	1068.2	1290.7	1356.7	1489.0
105°	305.6	257.6	209.7	257.6	305.6	317.6	640.7	1071.6	1287.0	1435.2	1731.6
107.5°	348.0	303.2	258.5	303.2	348.0	359.1	644.1	1024.0	1213.9	1420.6	1834.2
110°	372.2	331.8	291.5	331.8	372.2	382.3	639.1	981.7	1152.9	1384.0	1846.3

TEST NUMBER: P934278

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	400.6	362.2	323.7	362.2	400.6	410.3	639.3	944.7	1097.4	1334.0	1807.0
115°	443.5	408.0	372.5	408.0	443.5	452.4	645.2	902.4	1031.0	1258.8	1714.6
117.5°	485.1	452.9	420.6	452.9	485.1	493.2	657.2	875.9	985.2	1190.9	1602.2
120°	509.4	479.1	448.7	479.1	509.4	517.0	666.9	867.0	967.0	1154.9	1530.7
122.5°	537.4	506.8	476.1	506.8	537.4	545.1	681.0	862.3	952.9	1122.1	1460.6
125°	574.0	546.1	518.2	546.1	574.0	581.0	700.0	858.4	937.7	1081.4	1368.9
127.5°	608.8	580.6	552.4	580.6	608.8	615.8	718.8	856.1	924.9	1048.3	1295.1
130°	631.3	601.1	570.7	601.1	631.3	638.9	732.6	857.5	920.0	1029.9	1249.7
132.5°	650.3	619.9	589.5	619.9	650.3	657.9	743.8	858.4	915.7	1014.1	1210.8
135°	672.8	645.2	617.6	645.2	672.8	679.7	756.0	857.6	908.4	990.8	1155.6
137.5°	701.0	673.6	646.2	673.6	701.0	707.8	774.3	862.9	907.2	976.8	1116.2
140°	720.4	695.2	670.0	695.2	720.4	726.7	785.4	863.7	902.9	963.0	1083.4
142.5°	735.0	711.6	688.3	711.6	735.0	740.8	794.8	866.9	902.9	955.7	1061.4
145°	757.0	736.6	716.3	736.6	757.0	762.1	807.0	866.9	896.9	940.1	1026.5
147.5°	784.0	764.2	744.4	764.2	784.0	788.9	824.9	872.9	896.9	930.9	998.9
150°	798.5	780.5	762.7	780.5	798.5	802.9	834.3	876.0	896.9	925.6	982.9
152.5°	808.7	795.1	781.6	795.1	808.7	812.1	840.4	878.0	896.9	921.4	970.4
155°	829.7	819.7	809.6	819.7	829.7	832.2	853.8	882.5	896.9	916.4	955.3
157.5°	849.8	840.2	830.4	840.2	849.8	852.3	867.2	887.0	896.9	912.0	942.3
160°	859.6	852.0	844.4	852.0	859.6	861.5	873.3	889.0	896.9	909.9	935.8
162.5°	869.8	864.1	858.4	864.1	869.8	871.2	879.8	891.1	896.9	907.8	929.7
165°	883.9	878.8	873.7	878.8	883.9	885.2	889.1	894.3	896.9	904.8	920.4
167.5°	892.5	890.1	887.7	890.1	892.5	893.1	896.4	900.7	902.9	908.0	918.4
170°	901.7	899.2	896.9	899.2	901.7	902.3	902.5	902.8	902.9	908.0	918.4
172.5°	902.8	902.2	901.7	902.2	902.8	902.9	902.9	902.9	902.9	906.9	915.1
175°	908.4	908.4	908.4	908.4	908.4	908.4	906.5	904.1	902.9	905.4	910.7
177.5°	908.4	908.4	908.4	908.4	908.4	908.4	907.0	905.1	904.2	906.2	910.3
180°	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4

TEST NUMBER: P934278

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8
2.5°	2023.5	2017.6	2025.4	2003.7	2025.4	2017.6	2023.5	2037.4	2025.4	2033.4	2041.3
5°	1775.5	1765.5	1733.9	1708.0	1733.9	1765.5	1775.5	1817.2	1837.0	1872.7	1920.3
7.5°	1587.1	1579.1	1571.2	1555.3	1571.2	1579.1	1587.1	1598.9	1618.8	1650.5	1686.3
10°	1545.4	1547.3	1559.3	1557.3	1559.3	1547.3	1545.4	1541.4	1535.5	1541.4	1563.2
12.5°	1652.5	1670.4	1735.9	1731.8	1735.9	1670.4	1652.5	1573.2	1519.6	1509.7	1513.6
15°	1775.5	1781.4	1795.3	1797.3	1795.3	1781.4	1775.5	1743.7	1583.0	1513.6	1491.8
17.5°	1787.4	1789.4	1799.3	1799.3	1799.3	1789.4	1787.4	1773.5	1720.0	1626.7	1503.7
20°	1777.5	1781.4	1801.3	1805.3	1801.3	1781.4	1777.5	1759.6	1729.8	1696.1	1602.9
22.5°	1773.5	1781.4	1797.3	1795.3	1797.3	1781.4	1773.5	1745.7	1720.0	1696.1	1658.5
25°	1753.7	1753.7	1755.7	1757.6	1755.7	1753.7	1753.7	1731.8	1680.2	1674.3	1652.5
27.5°	1712.0	1715.9	1727.9	1725.9	1727.9	1715.9	1712.0	1704.1	1648.5	1642.6	1626.7
30°	1674.3	1670.4	1660.4	1652.5	1660.4	1670.4	1674.3	1662.4	1606.9	1591.0	1595.0
32.5°	1610.8	1600.9	1591.0	1585.1	1591.0	1600.9	1610.8	1606.9	1565.2	1543.4	1547.3
35°	1535.5	1537.5	1535.5	1529.5	1535.5	1537.5	1535.5	1539.4	1513.6	1493.8	1491.8
37.5°	1481.9	1485.9	1483.8	1475.9	1483.8	1485.9	1481.9	1477.9	1442.2	1436.3	1440.3
40°	1426.3	1428.3	1426.3	1420.4	1426.3	1428.3	1426.3	1418.4	1368.9	1370.8	1384.6
42.5°	1372.8	1370.8	1364.8	1360.9	1364.8	1370.8	1372.8	1360.9	1297.4	1291.5	1317.2
45°	1311.3	1313.3	1301.3	1295.4	1301.3	1313.3	1311.3	1303.4	1237.9	1222.0	1239.9
47.5°	1249.8	1249.8	1239.9	1233.9	1239.9	1249.8	1249.8	1239.9	1170.5	1154.6	1164.5
50°	1184.3	1182.3	1168.4	1166.4	1168.4	1182.3	1184.3	1178.4	1105.0	1091.1	1091.1
52.5°	1109.0	1109.0	1110.9	1114.9	1110.9	1109.0	1109.0	1110.9	1045.5	1031.6	1027.6
55°	1043.5	1045.5	1059.4	1063.3	1059.4	1045.5	1043.5	1043.5	983.9	970.0	962.1
57.5°	976.0	976.0	985.9	985.9	985.9	976.0	976.0	972.1	914.5	902.6	898.6
60°	898.6	902.6	910.6	908.6	910.6	902.6	898.6	894.7	845.1	837.1	823.3
62.5°	817.3	821.3	823.3	819.3	823.3	821.3	817.3	805.5	775.7	769.7	751.8
65°	732.0	736.0	737.9	734.0	737.9	736.0	732.0	726.1	704.2	694.3	678.5
67.5°	644.7	642.8	640.8	648.7	640.8	642.8	644.7	636.8	623.0	615.0	593.2
70°	555.4	555.4	553.4	557.5	553.4	555.4	555.4	549.5	541.6	535.6	515.8
72.5°	460.3	458.3	466.2	460.3	466.2	458.3	460.3	458.3	454.3	448.3	428.5
75°	367.0	370.9	367.0	372.9	367.0	370.9	367.0	369.0	367.0	363.0	349.1
77.5°	279.7	283.7	279.7	279.7	279.7	283.7	279.7	281.7	281.7	281.7	269.8
80°	198.4	196.4	196.4	194.4	196.4	196.4	198.4	198.4	200.4	196.4	192.5
82.5°	127.0	125.0	125.0	129.0	125.0	125.0	127.0	129.0	125.0	125.0	125.0
85°	69.4	71.4	67.4	67.4	67.4	71.4	69.4	65.5	69.4	69.4	67.4
87.5°	25.8	23.8	23.8	23.8	23.8	23.8	25.8	27.8	27.8	27.8	29.8
90°	23.2	23.2	23.2	23.2	23.2	23.2	23.2	30.9	41.2	46.3	39.8
92.5°	115.9	111.2	92.8	74.3	92.8	111.2	115.9	164.2	228.7	260.9	229.0
95°	393.2	379.2	323.4	267.6	323.4	379.2	393.2	516.4	680.5	762.7	644.2
97.5°	907.8	881.3	775.0	668.8	775.0	881.3	907.8	985.6	1089.4	1141.3	943.6
100°	1274.8	1243.1	1116.6	990.1	1116.6	1243.1	1274.8	1269.1	1261.5	1257.7	1038.4
102.5°	1588.2	1561.0	1452.7	1344.3	1452.7	1561.0	1588.2	1489.0	1356.7	1290.7	1068.2
105°	1954.0	1939.4	1881.2	1822.9	1881.2	1939.4	1954.0	1731.6	1435.2	1287.0	1071.6
107.5°	2144.3	2147.8	2161.8	2175.9	2161.8	2147.8	2144.3	1834.2	1420.6	1213.9	1024.0
110°	2193.0	2208.1	2268.8	2329.5	2268.8	2208.1	2193.0	1846.3	1384.0	1152.9	981.7

TEST NUMBER: P934278

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2161.9	2185.2	2278.4	2371.6	2278.4	2185.2	2161.9	1807.0	1334.0	1097.4	944.7
115°	2056.4	2088.7	2218.0	2347.3	2218.0	2088.7	2056.4	1714.6	1258.8	1031.0	902.4
117.5°	1910.7	1946.5	2089.8	2233.2	2089.8	1946.5	1910.7	1602.2	1190.9	985.2	875.9
120°	1812.6	1847.4	1986.7	2125.9	1986.7	1847.4	1812.6	1530.7	1154.9	967.0	867.0
122.5°	1714.4	1748.7	1886.1	2023.5	1886.1	1748.7	1714.4	1460.6	1122.1	952.9	862.3
125°	1584.5	1616.2	1742.7	1869.3	1742.7	1616.2	1584.5	1368.9	1081.4	937.7	858.4
127.5°	1480.3	1507.0	1613.7	1720.5	1613.7	1507.0	1480.3	1295.1	1048.3	924.9	856.1
130°	1414.4	1439.1	1537.8	1636.4	1537.8	1439.1	1414.4	1249.7	1029.9	920.0	857.5
132.5°	1358.3	1380.4	1468.7	1557.1	1468.7	1380.4	1358.3	1210.8	1014.1	915.7	858.4
135°	1279.1	1298.2	1374.3	1450.4	1374.3	1298.2	1279.1	1155.6	990.8	908.4	857.6
137.5°	1220.6	1236.1	1298.5	1360.8	1298.5	1236.1	1220.6	1116.2	976.8	907.2	862.9
140°	1173.6	1188.2	1246.4	1304.7	1246.4	1188.2	1173.6	1083.4	963.0	902.9	863.7
142.5°	1140.7	1153.2	1203.4	1253.5	1203.4	1153.2	1140.7	1061.4	955.7	902.9	866.9
145°	1091.3	1100.8	1138.7	1176.7	1138.7	1100.8	1091.3	1026.5	940.1	896.9	866.9
147.5°	1049.9	1057.8	1089.1	1120.6	1089.1	1057.8	1049.9	998.9	930.9	896.9	872.9
150°	1026.0	1032.4	1057.9	1083.4	1057.9	1032.4	1026.0	982.9	925.6	896.9	876.0
152.5°	1007.2	1012.0	1031.3	1050.5	1031.3	1012.0	1007.2	970.4	921.4	896.9	878.0
155°	984.6	987.8	1000.6	1013.3	1000.6	987.8	984.6	955.3	916.4	896.9	882.5
157.5°	965.1	967.4	976.2	985.2	976.2	967.4	965.1	942.3	912.0	896.9	887.0
160°	955.3	956.6	961.8	967.0	961.8	956.6	955.3	935.8	909.9	896.9	889.0
162.5°	946.2	947.3	952.3	957.2	952.3	947.3	946.2	929.7	907.8	896.9	891.1
165°	932.2	933.4	938.7	943.8	938.7	933.4	932.2	920.4	904.8	896.9	894.3
167.5°	926.1	926.6	928.8	931.0	928.8	926.6	926.1	918.4	908.0	902.9	900.7
170°	926.1	926.1	926.1	926.1	926.1	926.1	926.1	918.4	908.0	902.9	902.8
172.5°	921.2	920.7	918.9	917.0	918.9	920.7	921.2	915.1	906.9	902.9	902.9
175°	914.5	914.5	914.5	914.5	914.5	914.5	914.5	910.7	905.4	902.9	904.1
177.5°	913.3	912.7	910.6	908.4	910.6	912.7	913.3	910.3	906.2	904.2	905.1
180°	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4

TEST NUMBER: P934278

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2096.8	2096.8	2096.8	2096.8	2096.8
2.5°	2071.1	2081.0	2087.0	2094.9	2114.7
5°	1991.7	2029.4	2041.3	2071.1	2106.8
7.5°	1817.2	1932.2	1963.9	2035.4	2090.9
10°	1648.5	1763.6	1819.2	1987.8	2071.1
12.5°	1563.2	1630.6	1668.4	1904.5	2043.3
15°	1509.7	1557.3	1585.1	1793.3	2011.5
17.5°	1468.0	1501.8	1521.6	1684.3	1968.0
20°	1442.2	1458.1	1475.9	1604.9	1918.4
22.5°	1424.4	1414.4	1428.3	1549.3	1850.9
25°	1412.4	1374.8	1390.7	1505.7	1771.5
27.5°	1422.4	1339.1	1345.0	1466.0	1688.2
30°	1424.4	1295.4	1297.4	1424.4	1595.0
32.5°	1410.5	1249.8	1251.7	1372.8	1489.8
35°	1376.8	1196.2	1194.2	1313.3	1347.0
37.5°	1331.1	1138.7	1138.7	1247.8	1190.3
40°	1275.6	1081.1	1087.2	1162.5	1051.4
42.5°	1208.1	1019.6	1027.6	1049.4	948.2
45°	1134.7	960.2	966.1	886.7	868.9
47.5°	1053.3	898.6	900.6	736.0	843.1
50°	956.2	835.1	827.3	630.8	841.2
52.5°	870.8	765.7	742.0	571.3	763.8
55°	787.5	692.4	640.8	525.7	708.2
57.5°	714.2	597.1	547.5	472.1	696.3
60°	646.7	503.8	466.2	414.6	638.8
62.5°	591.2	434.4	426.5	375.0	579.3
65°	531.7	386.8	384.8	341.3	492.0
67.5°	474.2	355.1	353.1	309.5	375.0
70°	412.6	321.3	317.4	275.8	277.8
72.5°	349.1	283.7	279.7	248.0	230.1
75°	285.6	240.0	238.0	216.2	186.5
77.5°	224.2	190.4	194.4	174.6	136.9
80°	160.7	138.8	142.9	125.0	103.1
82.5°	107.1	91.3	95.2	79.4	69.4
85°	59.6	51.6	53.5	41.7	31.7
87.5°	27.8	23.8	23.8	15.9	10.0
90°	26.8	17.1	15.9	10.9	6.1
92.5°	165.4	117.6	107.3	65.8	24.4
95°	407.0	229.2	210.3	134.4	58.6
97.5°	548.3	251.8	235.1	168.1	101.2
100°	599.7	270.7	255.5	194.8	134.1
102.5°	623.3	289.6	275.4	218.8	162.2
105°	640.7	317.6	305.6	257.6	209.7
107.5°	644.1	359.1	348.0	303.2	258.5
110°	639.1	382.3	372.2	331.8	291.5

TEST NUMBER: P934278

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	639.3	410.3	400.6	362.2	323.7
115°	645.2	452.4	443.5	408.0	372.5
117.5°	657.2	493.2	485.1	452.9	420.6
120°	666.9	517.0	509.4	479.1	448.7
122.5°	681.0	545.1	537.4	506.8	476.1
125°	700.0	581.0	574.0	546.1	518.2
127.5°	718.8	615.8	608.8	580.6	552.4
130°	732.6	638.9	631.3	601.1	570.7
132.5°	743.8	657.9	650.3	619.9	589.5
135°	756.0	679.7	672.8	645.2	617.6
137.5°	774.3	707.8	701.0	673.6	646.2
140°	785.4	726.7	720.4	695.2	670.0
142.5°	794.8	740.8	735.0	711.6	688.3
145°	807.0	762.1	757.0	736.6	716.3
147.5°	824.9	788.9	784.0	764.2	744.4
150°	834.3	802.9	798.5	780.5	762.7
152.5°	840.4	812.1	808.7	795.1	781.6
155°	853.8	832.2	829.7	819.7	809.6
157.5°	867.2	852.3	849.8	840.2	830.4
160°	873.3	861.5	859.6	852.0	844.4
162.5°	879.8	871.2	869.8	864.1	858.4
165°	889.1	885.2	883.9	878.8	873.7
167.5°	896.4	893.1	892.5	890.1	887.7
170°	902.5	902.3	901.7	899.2	896.9
172.5°	902.9	902.9	902.8	902.2	901.7
175°	906.5	908.4	908.4	908.4	908.4
177.5°	907.0	908.4	908.4	908.4	908.4
180°	908.4	908.4	908.4	908.4	908.4

TEST NUMBER: P934278

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-STD-W-12-3000K

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	11.12	11.97	12.10	12.95	14.25	13.97	14.82	14.95	15.80	17.10
	3H	11.60	12.35	12.58	13.35	14.67	15.32	16.08	16.31	17.08	18.40
	4H	11.79	12.50	12.79	13.50	14.83	15.77	16.49	16.77	17.49	18.82
	6H	11.91	12.56	12.91	13.57	14.91	16.06	16.72	17.07	17.73	19.07
	8H	11.91	12.53	12.92	13.56	14.89	16.14	16.77	17.15	17.79	19.13
	12H	11.88	12.47	12.90	13.49	14.85	16.18	16.78	17.20	17.79	19.15
4H	2H	12.16	12.87	13.16	13.87	15.20	14.38	15.09	15.38	16.09	17.42
	3H	13.18	13.78	14.20	14.81	16.15	15.89	16.49	16.90	17.52	18.86
	4H	13.46	14.00	14.48	15.03	16.39	16.42	16.97	17.44	17.99	19.35
	6H	13.58	14.05	14.61	15.10	16.46	16.79	17.26	17.82	18.31	19.67
	8H	13.59	14.03	14.62	15.06	16.44	16.90	17.34	17.93	18.38	19.75
	12H	13.55	13.95	14.61	15.00	16.38	16.96	17.36	18.01	18.41	19.79
8H	4H	13.91	14.35	14.95	15.39	16.77	16.54	16.98	17.58	18.02	19.40
	6H	14.17	14.54	15.23	15.62	16.99	16.99	17.35	18.04	18.43	19.80
	8H	14.22	14.54	15.28	15.60	16.99	17.14	17.46	18.21	18.52	19.92
	12H	14.20	14.48	15.27	15.54	16.98	17.24	17.52	18.31	18.58	20.02
12H	4H	13.92	14.32	14.97	15.37	16.75	16.51	16.90	17.56	17.96	19.34
	6H	14.24	14.55	15.30	15.62	17.01	16.98	17.30	18.05	18.37	19.76
	8H	14.30	14.58	15.37	15.64	17.08	17.15	17.43	18.21	18.49	19.92