

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: P934228

Luminaire Tested: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934228
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-12-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

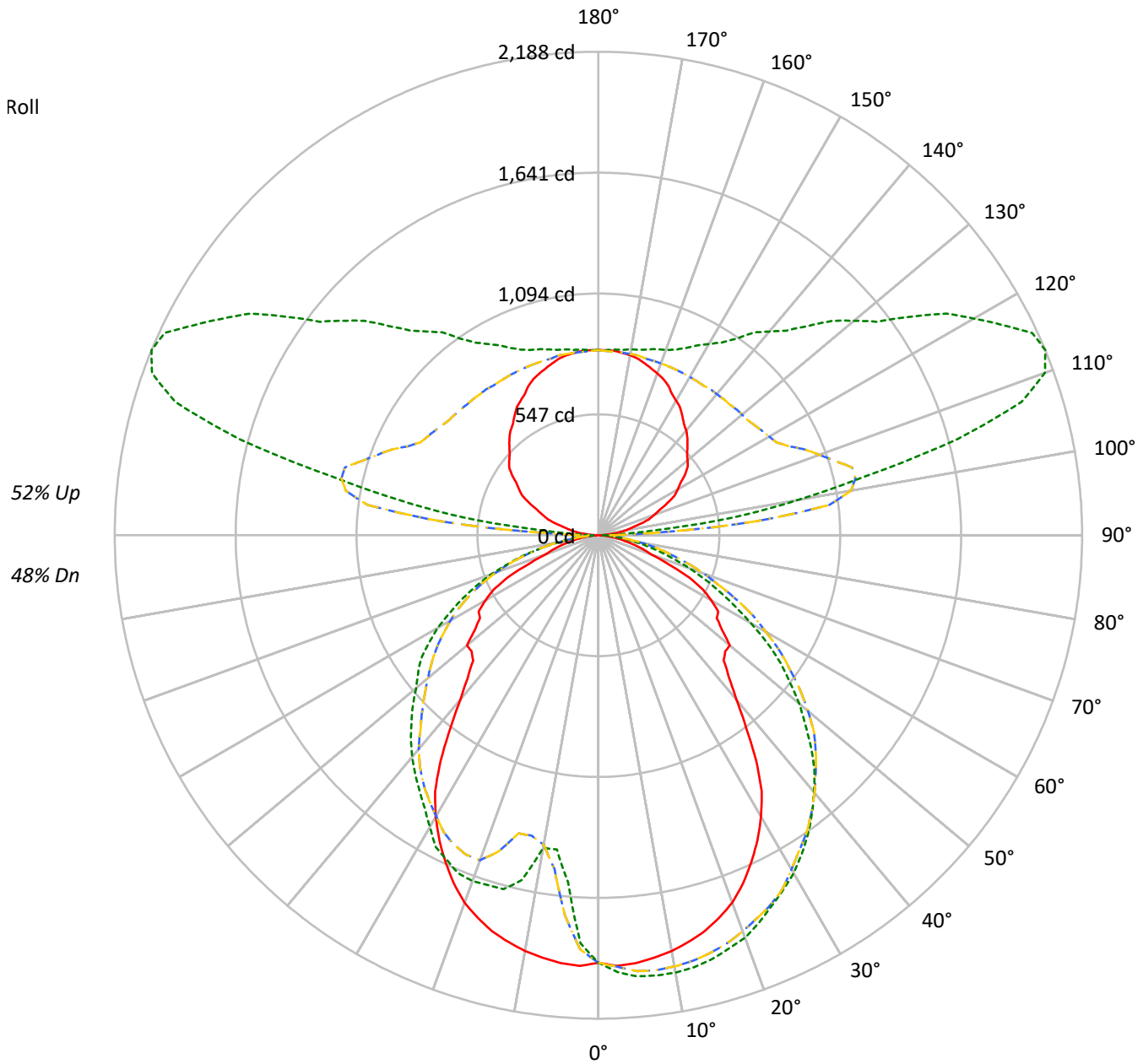
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10451.7 lumens
Efficiency: N/A
Efficacy: 122.7 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	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	48	48	48	48	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	41	41	41	41	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	34	34	34	34	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	29	29	29	29	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	25	25	25	25	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	21	21	21	21	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	19	19	19	19	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	17	17	17	17	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	15	15	15	15	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	13	13	13	13	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	12	12	12	12	12	12	12	12		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5983	5983	5983	5983
5°	6030	6040	6030	4749
10°	5992	5950	5992	4254
15°	5929	5821	5929	4860
20°	5808	5668	5808	4871
25°	5556	5445	5556	4767
30°	5230	5260	5230	4541
35°	4665	5026	4665	4292
40°	3889	4751	3889	4104
45°	3477	4429	3477	3887
50°	3697	4044	3697	3670
55°	3482	3631	3482	3545
60°	3594	3083	3594	3246
65°	3264	2549	3264	2849
70°	2265	2031	2265	2388
75°	1994	1502	1994	1798
80°	1618	993	1618	1081
85°	949	526	949	447

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5326 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.6	1.7
10°-20°	495.8	4.7
20°-30°	766.4	7.3
30°-40°	914.9	8.8
40°-50°	920.3	8.8
50°-60°	800.8	7.7
60°-70°	567.8	5.4
70°-80°	300.4	2.9
80°-90°	78.0	0.7
90°-100°	408.5	3.9
100°-110°	1074.0	10.3
110°-120°	1113.6	10.7
120°-130°	893.3	8.5
130°-140°	700.9	6.7
140°-150°	538.0	5.1
150°-160°	387.4	3.7
160°-170°	237.0	2.3
170°-180°	80.1	0.8
0°-30°	1436.8	13.7
0°-40°	2351.7	22.5
0°-60°	4072.8	39.0
0°-90°	5018.9	48.0
90°-120°	2596.1	24.8
90°-150°	4728.2	45.2
90°-180°	5433.0	52.0
0°-180°	10451.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1934	1934	1934	1934	1934	
5°	1944	2004	1944	1576	1944	184
15°	1856	1986	1856	1658	1856	522
25°	1634	1852	1634	1622	1634	750
35°	1243	1653	1243	1411	1243	769
45°	802	1362	802	1195	802	642
55°	653	1005	653	981	653	600
65°	454	606	454	677	454	434
75°	172	287	172	344	172	181
85°	29	73	29	62	29	40
90°	6	21	6	21	6	6
95°	54	247	54	247	54	60
105°	194	1682	194	1682	194	205
115°	344	2166	344	2166	344	339
125°	478	1724	478	1724	478	424
135°	570	1338	570	1338	570	441
145°	661	1086	661	1086	661	414
155°	747	935	747	935	747	343
165°	806	871	806	871	806	227
175°	838	844	838	844	838	80
180°	838	838	838	838	838	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4
2.5°	1950.9	1950.9	1961.9	1965.5	1965.5	1960.1	1954.6	1960.1	1976.6	1982.0	1980.2
5°	1943.6	1958.3	1978.4	1982.0	1985.7	1983.9	1980.2	1983.9	2002.2	2005.8	2007.7
7.5°	1929.0	1956.4	1982.0	1987.6	1993.0	1987.6	1985.7	1989.4	2007.7	2011.3	2011.3
10°	1910.7	1949.1	1978.4	1982.0	1987.6	1982.0	1982.0	1989.4	2007.7	2011.3	2013.2
12.5°	1885.0	1938.2	1965.5	1969.3	1976.6	1974.7	1972.9	1980.2	1998.6	2002.2	2002.2
15°	1855.8	1918.0	1943.6	1947.3	1960.1	1956.4	1956.4	1963.7	1983.9	1989.4	1987.6
17.5°	1815.5	1892.4	1921.7	1927.2	1936.3	1934.4	1936.3	1943.6	1961.9	1965.5	1967.5
20°	1769.8	1857.6	1892.4	1897.9	1907.1	1907.1	1907.1	1916.2	1934.4	1941.8	1941.8
22.5°	1707.6	1821.0	1857.6	1861.3	1872.2	1872.2	1875.9	1888.7	1905.1	1907.1	1907.1
25°	1634.3	1780.7	1811.8	1822.8	1833.8	1839.3	1844.8	1852.1	1857.6	1855.8	1857.6
27.5°	1557.5	1729.5	1769.8	1777.1	1791.7	1797.2	1804.5	1806.4	1808.2	1813.6	1810.0
30°	1471.4	1658.1	1718.5	1725.9	1749.6	1753.3	1746.0	1749.6	1758.8	1762.4	1766.1
32.5°	1374.5	1551.9	1665.5	1681.9	1703.8	1692.9	1691.0	1696.6	1711.2	1711.2	1714.8
35°	1242.7	1469.6	1616.1	1630.7	1647.2	1634.3	1641.6	1643.4	1652.6	1658.1	1656.3
37.5°	1098.1	1398.2	1564.8	1575.8	1588.6	1572.1	1583.0	1588.6	1595.9	1592.2	1592.2
40°	969.9	1286.6	1504.4	1511.7	1522.6	1509.9	1520.8	1524.6	1528.2	1524.6	1522.6
42.5°	874.8	1164.0	1440.3	1449.5	1442.1	1451.3	1455.0	1462.3	1456.8	1449.5	1449.5
45°	801.6	1131.0	1370.8	1381.7	1370.8	1385.5	1390.9	1390.9	1374.5	1370.8	1368.9
47.5°	777.8	1065.2	1301.2	1301.2	1295.8	1314.1	1323.2	1310.4	1294.0	1288.4	1288.4
50°	776.0	992.0	1206.1	1198.7	1224.4	1246.3	1237.2	1224.4	1211.5	1191.4	1191.4
52.5°	704.6	902.3	1083.5	1110.9	1151.1	1164.0	1149.3	1136.5	1114.6	1105.4	1098.1
55°	653.4	808.9	971.8	1026.7	1068.8	1085.3	1057.8	1045.0	1012.1	1006.6	1003.0
57.5°	642.4	673.5	869.3	938.8	990.1	988.3	971.8	948.0	920.6	915.1	913.3
60°	589.4	486.8	759.5	841.9	894.9	889.4	874.8	852.9	827.2	823.6	819.9
62.5°	534.4	353.2	635.0	728.4	803.4	801.6	788.8	755.8	737.5	728.4	721.1
65°	453.9	296.5	452.1	605.8	713.8	717.4	690.0	666.2	646.0	635.0	633.2
67.5°	345.9	241.6	305.6	505.1	627.7	624.1	589.4	578.3	552.7	547.2	536.2
70°	256.2	161.1	212.3	410.0	543.6	534.4	506.9	494.1	470.4	457.5	450.2
72.5°	212.3	129.9	155.5	318.5	457.5	446.5	422.8	408.2	388.0	377.0	369.7
75°	172.0	137.3	119.0	236.1	371.5	364.2	342.2	327.6	311.1	296.5	298.3
77.5°	126.3	128.1	95.1	173.8	294.6	283.7	270.9	252.6	245.2	230.6	230.6
80°	95.1	100.7	71.4	119.0	212.3	212.3	201.3	188.5	175.7	168.4	168.4
82.5°	64.0	64.0	53.0	75.0	144.5	139.1	131.8	128.1	120.8	117.2	117.2
85°	29.3	36.6	32.9	45.8	78.7	82.3	82.3	78.7	76.9	73.2	75.0
87.5°	9.2	16.5	20.1	25.7	40.3	42.1	43.9	43.9	43.9	45.8	45.8
90°	5.6	10.1	14.6	15.7	24.7	36.7	42.8	38.0	28.5	21.4	21.4
92.5°	22.5	60.7	99.0	108.5	152.5	211.3	240.7	210.9	151.5	106.9	102.6
95°	54.0	124.0	194.0	211.5	375.5	594.3	703.6	627.8	476.4	362.8	349.8
97.5°	93.3	155.1	216.9	232.3	505.8	870.5	1052.9	1005.1	909.3	837.5	813.0
100°	123.7	179.7	235.7	249.7	553.2	957.9	1160.3	1163.8	1170.8	1176.1	1146.9
102.5°	149.6	201.8	254.1	267.2	575.0	985.5	1190.7	1251.7	1373.6	1465.2	1440.1
105°	193.5	237.7	281.9	293.0	591.1	988.6	1187.3	1324.1	1597.5	1802.6	1789.2
107.5°	238.5	279.7	321.0	331.3	594.2	944.7	1119.9	1310.6	1692.1	1978.2	1981.5
110°	268.9	306.1	343.4	352.7	589.6	905.6	1063.6	1276.9	1703.3	2023.1	2037.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	298.6	334.1	369.6	378.5	589.8	871.5	1012.4	1230.6	1667.1	1994.5	2015.9
115°	343.7	376.4	409.2	417.3	595.3	832.5	951.1	1161.3	1581.8	1897.1	1927.0
117.5°	388.1	417.8	447.5	455.0	606.3	808.0	908.9	1098.7	1478.1	1762.7	1795.7
120°	414.0	442.0	469.9	476.9	615.3	799.8	892.1	1065.5	1412.1	1672.2	1704.3
122.5°	439.3	467.6	495.8	502.8	628.3	795.5	879.1	1035.2	1347.4	1581.6	1613.2
125°	478.1	503.8	529.6	536.0	645.8	791.9	865.1	997.7	1262.8	1461.8	1491.0
127.5°	509.6	535.6	561.6	568.1	663.1	789.8	853.2	967.1	1194.8	1365.6	1390.3
130°	526.5	554.5	582.4	589.4	675.9	791.1	848.8	950.1	1152.9	1304.9	1327.6
132.5°	543.9	571.9	599.9	606.9	686.2	791.9	844.8	935.6	1117.0	1253.1	1273.5
135°	569.8	595.3	620.7	627.1	697.4	791.2	838.0	914.1	1066.1	1180.1	1197.6
137.5°	596.2	621.5	646.8	653.0	714.3	796.1	837.0	901.2	1029.7	1126.0	1140.4
140°	618.1	641.4	664.6	670.4	724.6	796.8	833.0	888.4	999.5	1082.7	1096.2
142.5°	635.0	656.5	678.0	683.4	733.3	799.8	833.0	881.7	979.2	1052.4	1063.9
145°	660.9	679.6	698.3	703.1	744.5	799.8	827.4	867.2	947.0	1006.8	1015.5
147.5°	686.8	705.0	723.3	727.8	761.0	805.3	827.4	858.8	921.6	968.6	975.9
150°	703.6	720.1	736.6	740.7	769.6	808.1	827.4	853.9	906.8	946.6	952.5
152.5°	721.1	733.5	746.1	749.2	775.3	810.0	827.4	850.1	895.3	929.2	933.7
155°	746.9	756.2	765.5	767.7	787.7	814.1	827.4	845.4	881.3	908.4	911.3
157.5°	766.1	775.1	784.0	786.3	800.0	818.3	827.4	841.4	869.3	890.4	892.4
160°	779.0	786.0	793.0	794.7	805.7	820.1	827.4	839.4	863.3	881.3	882.5
162.5°	791.9	797.2	802.5	803.8	811.7	822.1	827.4	837.5	857.7	872.9	874.0
165°	806.0	810.8	815.5	816.7	820.2	825.0	827.4	834.7	849.1	860.0	861.2
167.5°	818.9	821.1	823.4	823.9	827.0	831.0	833.0	837.7	847.2	854.3	854.9
170°	827.4	829.6	831.9	832.4	832.6	832.9	833.0	837.7	847.2	854.3	854.3
172.5°	831.9	832.3	832.9	833.0	833.0	833.0	833.0	836.7	844.2	849.9	849.4
175°	838.0	838.0	838.0	838.0	836.3	834.0	833.0	835.3	840.1	843.7	843.7
177.5°	838.0	838.0	838.0	838.0	836.8	835.0	834.1	836.0	839.8	842.6	842.1
180°	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4
2.5°	1983.9	1978.4	1983.9	1980.2	1982.0	1976.6	1960.1	1954.6	1960.1	1965.5	1965.5
5°	2007.7	2004.0	2007.7	2007.7	2005.8	2002.2	1983.9	1980.2	1983.9	1985.7	1982.0
7.5°	2015.0	2009.5	2015.0	2011.3	2011.3	2007.7	1989.4	1985.7	1987.6	1993.0	1987.6
10°	2015.0	2009.5	2015.0	2013.2	2011.3	2007.7	1989.4	1982.0	1982.0	1987.6	1982.0
12.5°	2005.8	2002.2	2005.8	2002.2	2002.2	1998.6	1980.2	1972.9	1974.7	1976.6	1969.3
15°	1991.2	1985.7	1991.2	1987.6	1989.4	1983.9	1963.7	1956.4	1956.4	1960.1	1947.3
17.5°	1969.3	1961.9	1969.3	1967.5	1965.5	1961.9	1943.6	1936.3	1934.4	1936.3	1927.2
20°	1943.6	1938.2	1943.6	1941.8	1941.8	1934.4	1916.2	1907.1	1907.1	1907.1	1897.9
22.5°	1903.3	1897.9	1903.3	1907.1	1907.1	1905.1	1888.7	1875.9	1872.2	1872.2	1861.3
25°	1857.6	1852.1	1857.6	1857.6	1855.8	1857.6	1852.1	1844.8	1839.3	1833.8	1822.8
27.5°	1813.6	1810.0	1813.6	1810.0	1813.6	1808.2	1806.4	1804.5	1797.2	1791.7	1777.1
30°	1769.8	1766.1	1769.8	1766.1	1762.4	1758.8	1749.6	1746.0	1753.3	1749.6	1725.9
32.5°	1714.8	1711.2	1714.8	1714.8	1711.2	1711.2	1696.6	1691.0	1692.9	1703.8	1681.9
35°	1658.1	1652.6	1658.1	1656.3	1658.1	1652.6	1643.4	1641.6	1634.3	1647.2	1630.7
37.5°	1592.2	1586.8	1592.2	1592.2	1592.2	1595.9	1588.6	1583.0	1572.1	1588.6	1575.8
40°	1524.6	1517.2	1524.6	1522.6	1524.6	1528.2	1524.6	1520.8	1509.9	1522.6	1511.7
42.5°	1447.7	1445.8	1447.7	1449.5	1449.5	1456.8	1462.3	1455.0	1451.3	1442.1	1449.5
45°	1365.3	1361.6	1365.3	1368.9	1370.8	1374.5	1390.9	1390.9	1385.5	1370.8	1381.7
47.5°	1277.4	1268.3	1277.4	1288.4	1288.4	1294.0	1310.4	1323.2	1314.1	1295.8	1301.2
50°	1184.1	1185.9	1184.1	1191.4	1191.4	1211.5	1224.4	1237.2	1246.3	1224.4	1198.7
52.5°	1092.6	1090.7	1092.6	1098.1	1105.4	1114.6	1136.5	1149.3	1164.0	1151.1	1110.9
55°	1001.1	1004.8	1001.1	1003.0	1006.6	1012.1	1045.0	1057.8	1085.3	1068.8	1026.7
57.5°	909.5	904.1	909.5	913.3	915.1	920.6	948.0	971.8	988.3	990.1	938.8
60°	803.4	796.1	803.4	819.9	823.6	827.2	852.9	874.8	889.4	894.9	841.9
62.5°	710.1	697.3	710.1	721.1	728.4	737.5	755.8	788.8	801.6	803.4	728.4
65°	611.3	605.8	611.3	633.2	635.0	646.0	666.2	690.0	717.4	713.8	605.8
67.5°	521.6	521.6	521.6	536.2	547.2	552.7	578.3	589.4	624.1	627.7	505.1
70°	439.3	437.4	439.3	450.2	457.5	470.4	494.1	506.9	534.4	543.6	410.0
72.5°	360.6	358.7	360.6	369.7	377.0	388.0	408.2	422.8	446.5	457.5	318.5
75°	291.0	287.4	291.0	298.3	296.5	311.1	327.6	342.2	364.2	371.5	236.1
77.5°	223.3	223.3	223.3	230.6	230.6	245.2	252.6	270.9	283.7	294.6	173.8
80°	166.6	164.7	166.6	168.4	168.4	175.7	188.5	201.3	212.3	212.3	119.0
82.5°	117.2	113.4	117.2	117.2	117.2	120.8	128.1	131.8	139.1	144.5	75.0
85°	73.2	73.2	73.2	75.0	73.2	76.9	78.7	82.3	82.3	78.7	45.8
87.5°	47.6	45.8	47.6	45.8	45.8	43.9	43.9	43.9	42.1	40.3	25.7
90°	21.4	21.4	21.4	21.4	21.4	28.5	38.0	42.8	36.7	24.7	15.7
92.5°	85.6	68.6	85.6	102.6	106.9	151.5	210.9	240.7	211.3	152.5	108.5
95°	298.4	246.9	298.4	349.8	362.8	476.4	627.8	703.6	594.3	375.5	211.5
97.5°	715.0	617.0	715.0	813.0	837.5	909.3	1005.1	1052.9	870.5	505.8	232.3
100°	1030.2	913.5	1030.2	1146.9	1176.1	1170.8	1163.8	1160.3	957.9	553.2	249.7
102.5°	1340.2	1240.2	1340.2	1440.1	1465.2	1373.6	1251.7	1190.7	985.5	575.0	267.2
105°	1735.5	1681.7	1735.5	1789.2	1802.6	1597.5	1324.1	1187.3	988.6	591.1	293.0
107.5°	1994.4	2007.4	1994.4	1981.5	1978.2	1692.1	1310.6	1119.9	944.7	594.2	331.3
110°	2093.1	2149.1	2093.1	2037.1	2023.1	1703.3	1276.9	1063.6	905.6	589.6	352.7



TEST NUMBER: P934228

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2102.0	2187.9	2102.0	2015.9	1994.5	1667.1	1230.6	1012.4	871.5	589.8	378.5
115°	2046.2	2165.5	2046.2	1927.0	1897.1	1581.8	1161.3	951.1	832.5	595.3	417.3
117.5°	1928.0	2060.2	1928.0	1795.7	1762.7	1478.1	1098.7	908.9	808.0	606.3	455.0
120°	1832.8	1961.3	1832.8	1704.3	1672.2	1412.1	1065.5	892.1	799.8	615.3	476.9
122.5°	1740.0	1866.8	1740.0	1613.2	1581.6	1347.4	1035.2	879.1	795.5	628.3	502.8
125°	1607.7	1724.5	1607.7	1491.0	1461.8	1262.8	997.7	865.1	791.9	645.8	536.0
127.5°	1488.7	1587.2	1488.7	1390.3	1365.6	1194.8	967.1	853.2	789.8	663.1	568.1
130°	1418.7	1509.6	1418.7	1327.6	1304.9	1152.9	950.1	848.8	791.1	675.9	589.4
132.5°	1355.0	1436.5	1355.0	1273.5	1253.1	1117.0	935.6	844.8	791.9	686.2	606.9
135°	1267.9	1338.1	1267.9	1197.6	1180.1	1066.1	914.1	838.0	791.2	697.4	627.1
137.5°	1197.9	1255.4	1197.9	1140.4	1126.0	1029.7	901.2	837.0	796.1	714.3	653.0
140°	1149.9	1203.6	1149.9	1096.2	1082.7	999.5	888.4	833.0	796.8	724.6	670.4
142.5°	1110.2	1156.4	1110.2	1063.9	1052.4	979.2	881.7	833.0	799.8	733.3	683.4
145°	1050.5	1085.6	1050.5	1015.5	1006.8	947.0	867.2	827.4	799.8	744.5	703.1
147.5°	1004.8	1033.8	1004.8	975.9	968.6	921.6	858.8	827.4	805.3	761.0	727.8
150°	975.9	999.5	975.9	952.5	946.6	906.8	853.9	827.4	808.1	769.6	740.7
152.5°	951.4	969.1	951.4	933.7	929.2	895.3	850.1	827.4	810.0	775.3	749.2
155°	923.1	934.8	923.1	911.3	908.4	881.3	845.4	827.4	814.1	787.7	767.7
157.5°	900.6	908.9	900.6	892.4	890.4	869.3	841.4	827.4	818.3	800.0	786.3
160°	887.4	892.1	887.4	882.5	881.3	863.3	839.4	827.4	820.1	805.7	794.7
162.5°	878.5	883.1	878.5	874.0	872.9	857.7	837.5	827.4	822.1	811.7	803.8
165°	866.0	870.7	866.0	861.2	860.0	849.1	834.7	827.4	825.0	820.2	816.7
167.5°	856.9	858.9	856.9	854.9	854.3	847.2	837.7	833.0	831.0	827.0	823.9
170°	854.3	854.3	854.3	854.3	854.3	847.2	837.7	833.0	832.9	832.6	832.4
172.5°	847.7	846.0	847.7	849.4	849.9	844.2	836.7	833.0	833.0	833.0	833.0
175°	843.7	843.7	843.7	843.7	843.7	840.1	835.3	833.0	834.0	836.3	838.0
177.5°	840.0	838.0	840.0	842.1	842.6	839.8	836.0	834.1	835.0	836.8	838.0
180°	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0



TEST NUMBER: P934228

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4
2.5°	1961.9	1950.9	1950.9	1932.6	1925.3	1919.8	1910.7	1883.2	1875.9	1868.6	1879.6
5°	1978.4	1958.3	1943.6	1910.7	1883.2	1872.2	1837.5	1771.6	1727.7	1694.7	1676.5
7.5°	1982.0	1956.4	1929.0	1877.8	1811.8	1782.5	1676.5	1555.7	1522.6	1493.4	1475.1
10°	1978.4	1949.1	1910.7	1833.8	1678.3	1627.0	1520.8	1442.1	1422.0	1416.6	1422.0
12.5°	1965.5	1938.2	1885.0	1757.0	1539.2	1504.4	1442.1	1396.4	1392.7	1401.9	1451.3
15°	1943.6	1918.0	1855.8	1654.4	1462.3	1436.7	1392.7	1376.3	1396.4	1460.4	1608.7
17.5°	1921.7	1892.4	1815.5	1553.8	1403.8	1385.5	1354.3	1387.3	1500.7	1586.8	1636.2
20°	1892.4	1857.6	1769.8	1480.6	1361.6	1345.2	1330.5	1478.8	1564.8	1595.9	1623.3
22.5°	1857.6	1821.0	1707.6	1429.3	1317.7	1304.9	1314.1	1530.0	1564.8	1586.8	1610.5
25°	1811.8	1780.7	1634.3	1389.1	1283.0	1268.3	1303.1	1524.6	1544.7	1550.1	1597.7
27.5°	1769.8	1729.5	1557.5	1352.4	1240.8	1235.4	1312.2	1500.7	1515.4	1520.8	1572.1
30°	1718.5	1658.1	1471.4	1314.1	1196.9	1195.1	1314.1	1471.4	1467.8	1482.4	1533.6
32.5°	1665.5	1551.9	1374.5	1266.5	1154.8	1153.0	1301.2	1427.5	1423.9	1444.0	1482.4
35°	1616.1	1469.6	1242.7	1211.5	1101.8	1103.6	1270.1	1376.3	1378.1	1396.4	1420.2
37.5°	1564.8	1398.2	1098.1	1151.1	1050.5	1050.5	1228.0	1328.7	1325.1	1330.5	1363.5
40°	1504.4	1286.6	969.9	1072.5	1003.0	997.4	1176.8	1277.4	1264.7	1262.8	1308.5
42.5°	1440.3	1164.0	874.8	968.1	948.0	940.7	1114.6	1215.2	1191.4	1196.9	1255.5
45°	1370.8	1131.0	801.6	818.0	891.3	885.8	1046.8	1143.9	1127.4	1142.0	1202.4
47.5°	1301.2	1065.2	777.8	679.0	830.9	829.0	971.8	1074.3	1065.2	1079.8	1143.9
50°	1206.1	992.0	776.0	582.0	763.2	770.5	882.2	1006.6	1006.6	1019.4	1087.1
52.5°	1083.5	902.3	704.6	527.0	684.5	706.4	803.4	948.0	951.7	964.5	1024.9
55°	971.8	808.9	653.4	485.0	591.2	638.7	726.5	887.6	894.9	907.7	962.7
57.5°	869.3	673.5	642.4	435.5	505.1	550.9	658.9	829.0	832.7	843.7	896.8
60°	759.5	486.8	589.4	382.5	430.1	464.8	596.6	759.5	772.3	779.6	825.4
62.5°	635.0	353.2	534.4	345.9	393.5	400.8	545.4	693.6	710.1	715.6	743.1
65°	452.1	296.5	453.9	314.8	355.0	356.9	490.5	625.9	640.6	649.7	669.9
67.5°	305.6	241.6	345.9	285.5	325.7	327.6	437.4	547.2	567.3	574.7	587.4
70°	212.3	161.1	256.2	254.4	292.8	296.5	380.7	475.8	494.1	499.7	506.9
72.5°	155.5	129.9	212.3	228.8	258.1	261.7	322.1	395.3	413.6	419.1	422.8
75°	119.0	137.3	172.0	199.5	219.6	221.4	263.5	322.1	334.9	338.6	340.4
77.5°	95.1	128.1	126.3	161.1	179.4	175.7	206.9	248.9	259.9	259.9	259.9
80°	71.4	100.7	95.1	115.3	131.8	128.1	148.3	177.6	181.2	184.8	183.0
82.5°	53.0	64.0	64.0	73.2	87.9	84.2	98.8	115.3	115.3	115.3	119.0
85°	32.9	36.6	29.3	38.5	49.4	47.6	54.9	62.2	64.0	64.0	60.4
87.5°	20.1	16.5	9.2	14.6	21.9	21.9	25.7	27.5	25.7	25.7	25.7
90°	14.6	10.1	5.6	10.1	14.6	15.7	24.7	36.7	42.8	38.0	28.5
92.5°	99.0	60.7	22.5	60.7	99.0	108.5	152.5	211.3	240.7	210.9	151.5
95°	194.0	124.0	54.0	124.0	194.0	211.5	375.5	594.3	703.6	627.8	476.4
97.5°	216.9	155.1	93.3	155.1	216.9	232.3	505.8	870.5	1052.9	1005.1	909.3
100°	235.7	179.7	123.7	179.7	235.7	249.7	553.2	957.9	1160.3	1163.8	1170.8
102.5°	254.1	201.8	149.6	201.8	254.1	267.2	575.0	985.5	1190.7	1251.7	1373.6
105°	281.9	237.7	193.5	237.7	281.9	293.0	591.1	988.6	1187.3	1324.1	1597.5
107.5°	321.0	279.7	238.5	279.7	321.0	331.3	594.2	944.7	1119.9	1310.6	1692.1
110°	343.4	306.1	268.9	306.1	343.4	352.7	589.6	905.6	1063.6	1276.9	1703.3



TEST NUMBER: P934228

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	369.6	334.1	298.6	334.1	369.6	378.5	589.8	871.5	1012.4	1230.6	1667.1
115°	409.2	376.4	343.7	376.4	409.2	417.3	595.3	832.5	951.1	1161.3	1581.8
117.5°	447.5	417.8	388.1	417.8	447.5	455.0	606.3	808.0	908.9	1098.7	1478.1
120°	469.9	442.0	414.0	442.0	469.9	476.9	615.3	799.8	892.1	1065.5	1412.1
122.5°	495.8	467.6	439.3	467.6	495.8	502.8	628.3	795.5	879.1	1035.2	1347.4
125°	529.6	503.8	478.1	503.8	529.6	536.0	645.8	791.9	865.1	997.7	1262.8
127.5°	561.6	535.6	509.6	535.6	561.6	568.1	663.1	789.8	853.2	967.1	1194.8
130°	582.4	554.5	526.5	554.5	582.4	589.4	675.9	791.1	848.8	950.1	1152.9
132.5°	599.9	571.9	543.9	571.9	599.9	606.9	686.2	791.9	844.8	935.6	1117.0
135°	620.7	595.3	569.8	595.3	620.7	627.1	697.4	791.2	838.0	914.1	1066.1
137.5°	646.8	621.5	596.2	621.5	646.8	653.0	714.3	796.1	837.0	901.2	1029.7
140°	664.6	641.4	618.1	641.4	664.6	670.4	724.6	796.8	833.0	888.4	999.5
142.5°	678.0	656.5	635.0	656.5	678.0	683.4	733.3	799.8	833.0	881.7	979.2
145°	698.3	679.6	660.9	679.6	698.3	703.1	744.5	799.8	827.4	867.2	947.0
147.5°	723.3	705.0	686.8	705.0	723.3	727.8	761.0	805.3	827.4	858.8	921.6
150°	736.6	720.1	703.6	720.1	736.6	740.7	769.6	808.1	827.4	853.9	906.8
152.5°	746.1	733.5	721.1	733.5	746.1	749.2	775.3	810.0	827.4	850.1	895.3
155°	765.5	756.2	746.9	756.2	765.5	767.7	787.7	814.1	827.4	845.4	881.3
157.5°	784.0	775.1	766.1	775.1	784.0	786.3	800.0	818.3	827.4	841.4	869.3
160°	793.0	786.0	779.0	786.0	793.0	794.7	805.7	820.1	827.4	839.4	863.3
162.5°	802.5	797.2	791.9	797.2	802.5	803.8	811.7	822.1	827.4	837.5	857.7
165°	815.5	810.8	806.0	810.8	815.5	816.7	820.2	825.0	827.4	834.7	849.1
167.5°	823.4	821.1	818.9	821.1	823.4	823.9	827.0	831.0	833.0	837.7	847.2
170°	831.9	829.6	827.4	829.6	831.9	832.4	832.6	832.9	833.0	837.7	847.2
172.5°	832.9	832.3	831.9	832.3	832.9	833.0	833.0	833.0	833.0	836.7	844.2
175°	838.0	838.0	838.0	838.0	838.0	838.0	836.3	834.0	833.0	835.3	840.1
177.5°	838.0	838.0	838.0	838.0	838.0	838.0	836.8	835.0	834.1	836.0	839.8
180°	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0



TEST NUMBER: P934228

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4
2.5°	1866.8	1861.3	1868.6	1848.5	1868.6	1861.3	1866.8	1879.6	1868.6	1875.9	1883.2
5°	1638.0	1628.8	1599.6	1575.8	1599.6	1628.8	1638.0	1676.5	1694.7	1727.7	1771.6
7.5°	1464.2	1456.8	1449.5	1434.9	1449.5	1456.8	1464.2	1475.1	1493.4	1522.6	1555.7
10°	1425.7	1427.5	1438.5	1436.7	1438.5	1427.5	1425.7	1422.0	1416.6	1422.0	1442.1
12.5°	1524.6	1541.0	1601.4	1597.7	1601.4	1541.0	1524.6	1451.3	1401.9	1392.7	1396.4
15°	1638.0	1643.4	1656.3	1658.1	1656.3	1643.4	1638.0	1608.7	1460.4	1396.4	1376.3
17.5°	1649.0	1650.8	1659.9	1659.9	1659.9	1650.8	1649.0	1636.2	1586.8	1500.7	1387.3
20°	1639.8	1643.4	1661.8	1665.5	1661.8	1643.4	1639.8	1623.3	1595.9	1564.8	1478.8
22.5°	1636.2	1643.4	1658.1	1656.3	1658.1	1643.4	1636.2	1610.5	1586.8	1564.8	1530.0
25°	1617.9	1617.9	1619.7	1621.5	1619.7	1617.9	1617.9	1597.7	1550.1	1544.7	1524.6
27.5°	1579.4	1583.0	1594.0	1592.2	1594.0	1583.0	1579.4	1572.1	1520.8	1515.4	1500.7
30°	1544.7	1541.0	1531.8	1524.6	1531.8	1541.0	1544.7	1533.6	1482.4	1467.8	1471.4
32.5°	1486.1	1476.9	1467.8	1462.3	1467.8	1476.9	1486.1	1482.4	1444.0	1423.9	1427.5
35°	1416.6	1418.4	1416.6	1411.0	1416.6	1418.4	1416.6	1420.2	1396.4	1378.1	1376.3
37.5°	1367.1	1370.8	1368.9	1361.6	1368.9	1370.8	1367.1	1363.5	1330.5	1325.1	1328.7
40°	1315.9	1317.7	1315.9	1310.4	1315.9	1317.7	1315.9	1308.5	1262.8	1264.7	1277.4
42.5°	1266.5	1264.7	1259.1	1255.5	1259.1	1264.7	1266.5	1255.5	1196.9	1191.4	1215.2
45°	1209.7	1211.5	1200.5	1195.1	1200.5	1211.5	1209.7	1202.4	1142.0	1127.4	1143.9
47.5°	1153.0	1153.0	1143.9	1138.3	1143.9	1153.0	1153.0	1143.9	1079.8	1065.2	1074.3
50°	1092.6	1090.7	1077.9	1076.1	1077.9	1090.7	1092.6	1087.1	1019.4	1006.6	1006.6
52.5°	1023.1	1023.1	1024.9	1028.5	1024.9	1023.1	1023.1	1024.9	964.5	951.7	948.0
55°	962.7	964.5	977.3	981.0	977.3	964.5	962.7	962.7	907.7	894.9	887.6
57.5°	900.4	900.4	909.5	909.5	909.5	900.4	900.4	896.8	843.7	832.7	829.0
60°	829.0	832.7	840.0	838.2	840.0	832.7	829.0	825.4	779.6	772.3	759.5
62.5°	754.0	757.7	759.5	755.8	759.5	757.7	754.0	743.1	715.6	710.1	693.6
65°	675.3	679.0	680.8	677.1	680.8	679.0	675.3	669.9	649.7	640.6	625.9
67.5°	594.8	593.0	591.2	598.5	591.2	593.0	594.8	587.4	574.7	567.3	547.2
70°	512.4	512.4	510.6	514.3	510.6	512.4	512.4	506.9	499.7	494.1	475.8
72.5°	424.6	422.8	430.1	424.6	430.1	422.8	424.6	422.8	419.1	413.6	395.3
75°	338.6	342.2	338.6	344.0	338.6	342.2	338.6	340.4	338.6	334.9	322.1
77.5°	258.1	261.7	258.1	258.1	258.1	261.7	258.1	259.9	259.9	259.9	248.9
80°	183.0	181.2	181.2	179.4	181.2	181.2	183.0	183.0	184.8	181.2	177.6
82.5°	117.2	115.3	115.3	119.0	115.3	115.3	117.2	119.0	115.3	115.3	115.3
85°	64.0	65.9	62.2	62.2	62.2	65.9	64.0	60.4	64.0	64.0	62.2
87.5°	23.8	21.9	21.9	21.9	21.9	21.9	23.8	25.7	25.7	25.7	27.5
90°	21.4	21.4	21.4	21.4	21.4	21.4	21.4	28.5	38.0	42.8	36.7
92.5°	106.9	102.6	85.6	68.6	85.6	102.6	106.9	151.5	210.9	240.7	211.3
95°	362.8	349.8	298.4	246.9	298.4	349.8	362.8	476.4	627.8	703.6	594.3
97.5°	837.5	813.0	715.0	617.0	715.0	813.0	837.5	909.3	1005.1	1052.9	870.5
100°	1176.1	1146.9	1030.2	913.5	1030.2	1146.9	1176.1	1170.8	1163.8	1160.3	957.9
102.5°	1465.2	1440.1	1340.2	1240.2	1340.2	1440.1	1465.2	1373.6	1251.7	1190.7	985.5
105°	1802.6	1789.2	1735.5	1681.7	1735.5	1789.2	1802.6	1597.5	1324.1	1187.3	988.6
107.5°	1978.2	1981.5	1994.4	2007.4	1994.4	1981.5	1978.2	1692.1	1310.6	1119.9	944.7
110°	2023.1	2037.1	2093.1	2149.1	2093.1	2037.1	2023.1	1703.3	1276.9	1063.6	905.6



TEST NUMBER: P934228

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1994.5	2015.9	2102.0	2187.9	2102.0	2015.9	1994.5	1667.1	1230.6	1012.4	871.5
115°	1897.1	1927.0	2046.2	2165.5	2046.2	1927.0	1897.1	1581.8	1161.3	951.1	832.5
117.5°	1762.7	1795.7	1928.0	2060.2	1928.0	1795.7	1762.7	1478.1	1098.7	908.9	808.0
120°	1672.2	1704.3	1832.8	1961.3	1832.8	1704.3	1672.2	1412.1	1065.5	892.1	799.8
122.5°	1581.6	1613.2	1740.0	1866.8	1740.0	1613.2	1581.6	1347.4	1035.2	879.1	795.5
125°	1461.8	1491.0	1607.7	1724.5	1607.7	1491.0	1461.8	1262.8	997.7	865.1	791.9
127.5°	1365.6	1390.3	1488.7	1587.2	1488.7	1390.3	1365.6	1194.8	967.1	853.2	789.8
130°	1304.9	1327.6	1418.7	1509.6	1418.7	1327.6	1304.9	1152.9	950.1	848.8	791.1
132.5°	1253.1	1273.5	1355.0	1436.5	1355.0	1273.5	1253.1	1117.0	935.6	844.8	791.9
135°	1180.1	1197.6	1267.9	1338.1	1267.9	1197.6	1180.1	1066.1	914.1	838.0	791.2
137.5°	1126.0	1140.4	1197.9	1255.4	1197.9	1140.4	1126.0	1029.7	901.2	837.0	796.1
140°	1082.7	1096.2	1149.9	1203.6	1149.9	1096.2	1082.7	999.5	888.4	833.0	796.8
142.5°	1052.4	1063.9	1110.2	1156.4	1110.2	1063.9	1052.4	979.2	881.7	833.0	799.8
145°	1006.8	1015.5	1050.5	1085.6	1050.5	1015.5	1006.8	947.0	867.2	827.4	799.8
147.5°	968.6	975.9	1004.8	1033.8	1004.8	975.9	968.6	921.6	858.8	827.4	805.3
150°	946.6	952.5	975.9	999.5	975.9	952.5	946.6	906.8	853.9	827.4	808.1
152.5°	929.2	933.7	951.4	969.1	951.4	933.7	929.2	895.3	850.1	827.4	810.0
155°	908.4	911.3	923.1	934.8	923.1	911.3	908.4	881.3	845.4	827.4	814.1
157.5°	890.4	892.4	900.6	908.9	900.6	892.4	890.4	869.3	841.4	827.4	818.3
160°	881.3	882.5	887.4	892.1	887.4	882.5	881.3	863.3	839.4	827.4	820.1
162.5°	872.9	874.0	878.5	883.1	878.5	874.0	872.9	857.7	837.5	827.4	822.1
165°	860.0	861.2	866.0	870.7	866.0	861.2	860.0	849.1	834.7	827.4	825.0
167.5°	854.3	854.9	856.9	858.9	856.9	854.9	854.3	847.2	837.7	833.0	831.0
170°	854.3	854.3	854.3	854.3	854.3	854.3	854.3	847.2	837.7	833.0	832.9
172.5°	849.9	849.4	847.7	846.0	847.7	849.4	849.9	844.2	836.7	833.0	833.0
175°	843.7	843.7	843.7	843.7	843.7	843.7	843.7	840.1	835.3	833.0	834.0
177.5°	842.6	842.1	840.0	838.0	840.0	842.1	842.6	839.8	836.0	834.1	835.0
180°	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0



TEST NUMBER: P934228

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1934.4	1934.4	1934.4	1934.4	1934.4
2.5°	1910.7	1919.8	1925.3	1932.6	1950.9
5°	1837.5	1872.2	1883.2	1910.7	1943.6
7.5°	1676.5	1782.5	1811.8	1877.8	1929.0
10°	1520.8	1627.0	1678.3	1833.8	1910.7
12.5°	1442.1	1504.4	1539.2	1757.0	1885.0
15°	1392.7	1436.7	1462.3	1654.4	1855.8
17.5°	1354.3	1385.5	1403.8	1553.8	1815.5
20°	1330.5	1345.2	1361.6	1480.6	1769.8
22.5°	1314.1	1304.9	1317.7	1429.3	1707.6
25°	1303.1	1268.3	1283.0	1389.1	1634.3
27.5°	1312.2	1235.4	1240.8	1352.4	1557.5
30°	1314.1	1195.1	1196.9	1314.1	1471.4
32.5°	1301.2	1153.0	1154.8	1266.5	1374.5
35°	1270.1	1103.6	1101.8	1211.5	1242.7
37.5°	1228.0	1050.5	1050.5	1151.1	1098.1
40°	1176.8	997.4	1003.0	1072.5	969.9
42.5°	1114.6	940.7	948.0	968.1	874.8
45°	1046.8	885.8	891.3	818.0	801.6
47.5°	971.8	829.0	830.9	679.0	777.8
50°	882.2	770.5	763.2	582.0	776.0
52.5°	803.4	706.4	684.5	527.0	704.6
55°	726.5	638.7	591.2	485.0	653.4
57.5°	658.9	550.9	505.1	435.5	642.4
60°	596.6	464.8	430.1	382.5	589.4
62.5°	545.4	400.8	393.5	345.9	534.4
65°	490.5	356.9	355.0	314.8	453.9
67.5°	437.4	327.6	325.7	285.5	345.9
70°	380.7	296.5	292.8	254.4	256.2
72.5°	322.1	261.7	258.1	228.8	212.3
75°	263.5	221.4	219.6	199.5	172.0
77.5°	206.9	175.7	179.4	161.1	126.3
80°	148.3	128.1	131.8	115.3	95.1
82.5°	98.8	84.2	87.9	73.2	64.0
85°	54.9	47.6	49.4	38.5	29.3
87.5°	25.7	21.9	21.9	14.6	9.2
90°	24.7	15.7	14.6	10.1	5.6
92.5°	152.5	108.5	99.0	60.7	22.5
95°	375.5	211.5	194.0	124.0	54.0
97.5°	505.8	232.3	216.9	155.1	93.3
100°	553.2	249.7	235.7	179.7	123.7
102.5°	575.0	267.2	254.1	201.8	149.6
105°	591.1	293.0	281.9	237.7	193.5
107.5°	594.2	331.3	321.0	279.7	238.5
110°	589.6	352.7	343.4	306.1	268.9



TEST NUMBER: P934228

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	589.8	378.5	369.6	334.1	298.6
115°	595.3	417.3	409.2	376.4	343.7
117.5°	606.3	455.0	447.5	417.8	388.1
120°	615.3	476.9	469.9	442.0	414.0
122.5°	628.3	502.8	495.8	467.6	439.3
125°	645.8	536.0	529.6	503.8	478.1
127.5°	663.1	568.1	561.6	535.6	509.6
130°	675.9	589.4	582.4	554.5	526.5
132.5°	686.2	606.9	599.9	571.9	543.9
135°	697.4	627.1	620.7	595.3	569.8
137.5°	714.3	653.0	646.8	621.5	596.2
140°	724.6	670.4	664.6	641.4	618.1
142.5°	733.3	683.4	678.0	656.5	635.0
145°	744.5	703.1	698.3	679.6	660.9
147.5°	761.0	727.8	723.3	705.0	686.8
150°	769.6	740.7	736.6	720.1	703.6
152.5°	775.3	749.2	746.1	733.5	721.1
155°	787.7	767.7	765.5	756.2	746.9
157.5°	800.0	786.3	784.0	775.1	766.1
160°	805.7	794.7	793.0	786.0	779.0
162.5°	811.7	803.8	802.5	797.2	791.9
165°	820.2	816.7	815.5	810.8	806.0
167.5°	827.0	823.9	823.4	821.1	818.9
170°	832.6	832.4	831.9	829.6	827.4
172.5°	833.0	833.0	832.9	832.3	831.9
175°	836.3	838.0	838.0	838.0	838.0
177.5°	836.8	838.0	838.0	838.0	838.0
180°	838.0	838.0	838.0	838.0	838.0



TEST NUMBER: P934228
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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	10.84	11.69	11.82	12.67	13.97	13.69	14.54	14.67	15.52	16.82
	3H	11.32	12.07	12.30	13.07	14.39	15.04	15.80	16.03	16.80	18.12
	4H	11.51	12.22	12.51	13.22	14.55	15.49	16.21	16.49	17.21	18.54
	6H	11.63	12.28	12.63	13.29	14.63	15.78	16.44	16.79	17.45	18.79
	8H	11.63	12.25	12.64	13.27	14.61	15.86	16.49	16.87	17.51	18.85
	12H	11.60	12.19	12.62	13.21	14.57	15.90	16.50	16.92	17.51	18.87
4H	2H	11.88	12.59	12.88	13.59	14.92	14.10	14.81	15.10	15.82	17.14
	3H	12.90	13.50	13.92	14.53	15.87	15.61	16.21	16.62	17.24	18.58
	4H	13.18	13.72	14.20	14.74	16.11	16.14	16.69	17.16	17.71	19.07
	6H	13.30	13.77	14.33	14.82	16.18	16.51	16.98	17.54	18.03	19.39
	8H	13.31	13.75	14.34	14.78	16.16	16.62	17.06	17.65	18.10	19.47
	12H	13.27	13.67	14.32	14.72	16.10	16.68	17.08	17.73	18.13	19.51
8H	4H	13.63	14.07	14.67	15.11	16.49	16.26	16.70	17.30	17.74	19.12
	6H	13.89	14.26	14.95	15.34	16.71	16.71	17.07	17.76	18.15	19.52
	8H	13.94	14.26	15.00	15.32	16.71	16.86	17.18	17.93	18.24	19.64
	12H	13.92	14.20	14.99	15.26	16.70	16.96	17.24	18.03	18.30	19.74
12H	4H	13.64	14.04	14.69	15.09	16.47	16.23	16.62	17.28	17.68	19.06
	6H	13.96	14.27	15.02	15.34	16.73	16.70	17.02	17.77	18.09	19.48
	8H	14.02	14.30	15.09	15.36	16.80	16.87	17.15	17.94	18.21	19.64