

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: P934628

Luminaire Tested: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934628
REPORT IS A COMBINATION OF REPORTS P933705 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-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: -

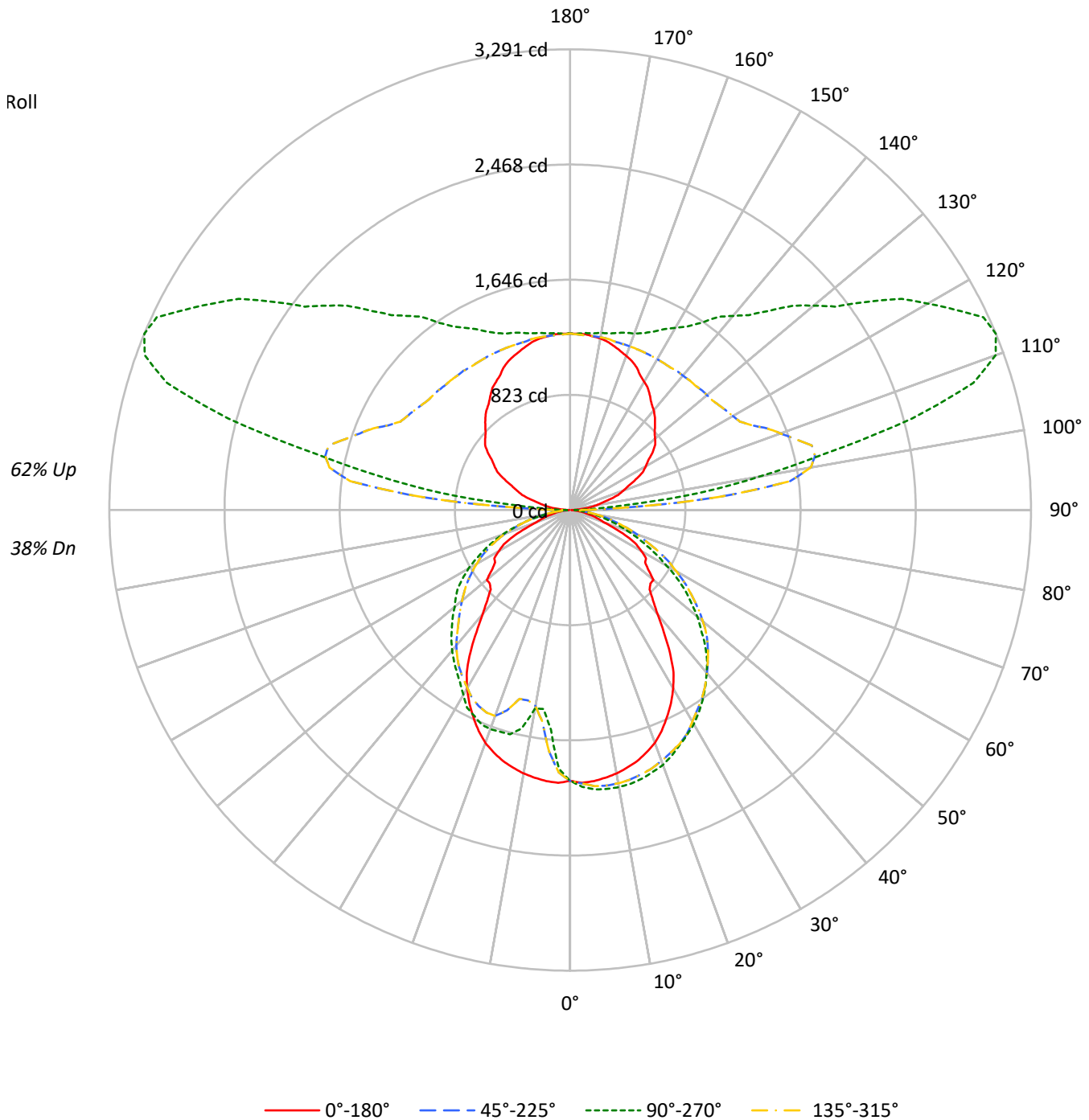
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13191.6 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 103.2
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





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45	38				38
1	95	91	87	84	86	83	79	77	67	65	63	53	52	50	40	39	38	32				32
2	87	79	73	68	78	72	67	63	59	55	52	47	44	42	35	34	32	27				27
3	79	70	63	57	71	64	57	52	52	47	44	41	38	35	31	29	27	23				23
4	72	62	54	48	65	56	50	44	46	41	37	37	33	30	28	25	24	20				20
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17				17
6	61	49	41	35	55	45	38	33	37	32	28	30	26	23	23	20	18	15				15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	21	18	16	13				13
8	52	40	32	27	47	37	30	25	30	25	22	24	21	18	19	16	14	12				12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	11				11
10	45	33	26	22	41	31	24	20	26	21	17	21	17	14	16	14	12	10				10

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	1.3
10°-20°	495.8	3.8
20°-30°	766.4	5.8
30°-40°	914.9	6.9
40°-50°	920.3	7.0
50°-60°	800.8	6.1
60°-70°	567.8	4.3
70°-80°	300.4	2.3
80°-90°	79.6	0.6
90°-100°	614.4	4.7
100°-110°	1615.3	12.2
110°-120°	1674.9	12.7
120°-130°	1343.5	10.2
130°-140°	1054.2	8.0
140°-150°	809.1	6.1
150°-160°	582.7	4.4
160°-170°	356.5	2.7
170°-180°	120.5	0.9
0°-30°	1436.8	10.9
0°-40°	2351.7	17.8
0°-60°	4072.8	30.9
0°-90°	5020.5	38.1
90°-120°	3904.6	29.6
90°-150°	7111.4	53.9
90°-180°	8171.0	61.9
0°-180°	13191.6	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°	8	32	8	32	8	8
95°	81	371	81	371	81	90
105°	291	2529	291	2529	291	308
115°	517	3257	517	3257	517	510
125°	719	2594	719	2594	719	638
135°	857	2012	857	2012	857	663
145°	994	1633	994	1633	994	623
155°	1123	1406	1123	1406	1123	516
165°	1212	1310	1212	1310	1212	342
175°	1260	1269	1260	1269	1260	120
180°	1260	1260	1260	1260	1260	



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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°	8.5	15.2	21.9	23.7	37.2	55.3	64.3	57.1	42.8	32.1	32.1
92.5°	33.8	91.3	148.9	163.3	229.5	317.8	362.0	317.3	227.9	160.7	154.4
95°	81.2	186.5	291.8	318.1	564.8	893.8	1058.3	944.4	716.5	545.6	526.2
97.5°	140.4	233.3	326.2	349.4	760.8	1309.3	1583.6	1511.5	1367.5	1259.6	1222.7
100°	186.1	270.3	354.6	375.6	832.1	1440.8	1745.1	1750.4	1761.0	1768.9	1724.9
102.5°	225.0	303.6	382.1	401.8	864.8	1482.2	1790.9	1882.6	2066.1	2203.7	2166.1
105°	291.0	357.6	424.1	440.7	889.1	1486.9	1785.8	1991.5	2402.8	2711.3	2691.1
107.5°	358.7	420.7	482.7	498.3	893.6	1420.8	1684.3	1971.2	2544.9	2975.1	2980.1
110°	404.3	460.4	516.4	530.4	886.8	1362.1	1599.7	1920.4	2561.8	3042.8	3063.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	449.2	502.6	556.0	569.3	887.2	1310.9	1522.7	1850.9	2507.4	2999.7	3032.0
115°	516.9	566.1	615.4	627.6	895.3	1252.1	1430.5	1746.7	2379.1	2853.3	2898.2
117.5°	583.7	628.5	673.1	684.3	911.9	1215.3	1367.0	1652.4	2223.1	2651.1	2700.9
120°	622.6	664.8	706.8	717.3	925.5	1202.9	1341.6	1602.3	2123.8	2515.0	2563.3
122.5°	660.7	703.1	745.6	756.3	944.9	1196.4	1322.2	1556.9	2026.6	2378.8	2426.5
125°	719.1	757.8	796.6	806.2	971.1	1191.1	1301.1	1500.5	1899.4	2198.6	2242.5
127.5°	766.5	805.6	844.7	854.4	997.4	1188.0	1283.3	1454.6	1797.1	2054.0	2091.0
130°	791.8	834.0	876.0	886.5	1016.5	1189.8	1276.5	1428.9	1733.9	1962.5	1996.7
132.5°	818.0	860.2	902.2	912.7	1032.0	1191.1	1270.6	1407.0	1680.0	1884.8	1915.4
135°	857.0	895.3	933.7	943.2	1049.0	1190.0	1260.5	1374.7	1603.3	1774.8	1801.2
137.5°	896.7	934.7	972.7	982.1	1074.4	1197.3	1258.8	1355.4	1548.7	1693.6	1715.2
140°	929.6	964.6	999.6	1008.3	1089.8	1198.5	1252.8	1336.3	1503.3	1628.4	1648.6
142.5°	955.0	987.4	1019.7	1027.8	1102.8	1202.8	1252.8	1326.2	1472.8	1582.8	1600.1
145°	994.0	1022.2	1050.4	1057.5	1119.8	1202.8	1244.4	1304.3	1424.3	1514.3	1527.5
147.5°	1032.9	1060.4	1087.8	1094.7	1144.6	1211.1	1244.4	1291.6	1385.9	1456.7	1467.6
150°	1058.3	1083.1	1107.9	1114.1	1157.5	1215.5	1244.4	1284.2	1363.9	1423.7	1432.5
152.5°	1084.5	1103.3	1122.0	1126.8	1166.0	1218.3	1244.4	1278.4	1346.4	1397.5	1404.1
155°	1123.4	1137.3	1151.2	1154.7	1184.6	1224.5	1244.4	1271.5	1325.6	1366.2	1370.6
157.5°	1152.1	1165.7	1179.3	1182.6	1203.2	1230.6	1244.4	1265.4	1307.5	1339.1	1342.2
160°	1171.6	1182.2	1192.7	1195.4	1211.7	1233.5	1244.4	1262.4	1298.5	1325.6	1327.4
162.5°	1191.1	1199.0	1206.8	1208.8	1220.6	1236.5	1244.4	1259.6	1290.0	1312.9	1314.6
165°	1212.3	1219.4	1226.5	1228.3	1233.6	1240.8	1244.4	1255.3	1277.0	1293.4	1295.2
167.5°	1231.6	1235.0	1238.5	1239.3	1243.8	1249.8	1252.8	1259.9	1274.2	1285.0	1285.7
170°	1244.4	1247.7	1251.2	1252.0	1252.3	1252.7	1252.8	1259.9	1274.2	1285.0	1285.0
172.5°	1251.1	1251.8	1252.7	1252.8	1252.8	1252.8	1252.8	1258.5	1269.8	1278.2	1277.6
175°	1260.5	1260.5	1260.5	1260.5	1257.9	1254.6	1252.8	1256.4	1263.6	1268.9	1268.9
177.5°	1260.5	1260.5	1260.5	1260.5	1258.5	1255.8	1254.6	1257.4	1263.0	1267.2	1266.5
180°	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5



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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°	32.1	32.1	32.1	32.1	32.1	42.8	57.1	64.3	55.3	37.2	23.7
92.5°	128.8	103.2	128.8	154.4	160.7	227.9	317.3	362.0	317.8	229.5	163.3
95°	448.8	371.4	448.8	526.2	545.6	716.5	944.4	1058.3	893.8	564.8	318.1
97.5°	1075.4	928.0	1075.4	1222.7	1259.6	1367.5	1511.5	1583.6	1309.3	760.8	349.4
100°	1549.4	1373.8	1549.4	1724.9	1768.9	1761.0	1750.4	1745.1	1440.8	832.1	375.6
102.5°	2015.7	1865.3	2015.7	2166.1	2203.7	2066.1	1882.6	1790.9	1482.2	864.8	401.8
105°	2610.2	2529.3	2610.2	2691.1	2711.3	2402.8	1991.5	1785.8	1486.9	889.1	440.7
107.5°	2999.6	3019.2	2999.6	2980.1	2975.1	2544.9	1971.2	1684.3	1420.8	893.6	498.3
110°	3148.1	3232.3	3148.1	3063.8	3042.8	2561.8	1920.4	1599.7	1362.1	886.8	530.4



TEST NUMBER: P934628

CATALOG NUMBER: SQ4-FA-075U-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°	3161.4	3290.7	3161.4	3032.0	2999.7	2507.4	1850.9	1522.7	1310.9	887.2	569.3
115°	3077.5	3256.9	3077.5	2898.2	2853.3	2379.1	1746.7	1430.5	1252.1	895.3	627.6
117.5°	2899.7	3098.7	2899.7	2700.9	2651.1	2223.1	1652.4	1367.0	1215.3	911.9	684.3
120°	2756.6	2949.8	2756.6	2563.3	2515.0	2123.8	1602.3	1341.6	1202.9	925.5	717.3
122.5°	2617.0	2807.7	2617.0	2426.5	2378.8	2026.6	1556.9	1322.2	1196.4	944.9	756.3
125°	2418.1	2593.6	2418.1	2242.5	2198.6	1899.4	1500.5	1301.1	1191.1	971.1	806.2
127.5°	2239.2	2387.3	2239.2	2091.0	2054.0	1797.1	1454.6	1283.3	1188.0	997.4	854.4
130°	2133.6	2270.5	2133.6	1996.7	1962.5	1733.9	1428.9	1276.5	1189.8	1016.5	886.5
132.5°	2038.0	2160.6	2038.0	1915.4	1884.8	1680.0	1407.0	1270.6	1191.1	1032.0	912.7
135°	1906.9	2012.5	1906.9	1801.2	1774.8	1603.3	1374.7	1260.5	1190.0	1049.0	943.2
137.5°	1801.6	1888.1	1801.6	1715.2	1693.6	1548.7	1355.4	1258.8	1197.3	1074.4	982.1
140°	1729.5	1810.3	1729.5	1648.6	1628.4	1503.3	1336.3	1252.8	1198.5	1089.8	1008.3
142.5°	1669.7	1739.2	1669.7	1600.1	1582.8	1472.8	1326.2	1252.8	1202.8	1102.8	1027.8
145°	1580.0	1632.6	1580.0	1527.5	1514.3	1424.3	1304.3	1244.4	1202.8	1119.8	1057.5
147.5°	1511.2	1554.8	1511.2	1467.6	1456.7	1385.9	1291.6	1244.4	1211.1	1144.6	1094.7
150°	1467.9	1503.3	1467.9	1432.5	1423.7	1363.9	1284.2	1244.4	1215.5	1157.5	1114.1
152.5°	1430.9	1457.5	1430.9	1404.1	1397.5	1346.4	1278.4	1244.4	1218.3	1166.0	1126.8
155°	1388.3	1405.9	1388.3	1370.6	1366.2	1325.6	1271.5	1244.4	1224.5	1184.6	1154.7
157.5°	1354.6	1367.0	1354.6	1342.2	1339.1	1307.5	1265.4	1244.4	1230.6	1203.2	1182.6
160°	1334.5	1341.6	1334.5	1327.4	1325.6	1298.5	1262.4	1244.4	1233.5	1211.7	1195.4
162.5°	1321.3	1328.2	1321.3	1314.6	1312.9	1290.0	1259.6	1244.4	1236.5	1220.6	1208.8
165°	1302.3	1309.5	1302.3	1295.2	1293.4	1277.0	1255.3	1244.4	1240.8	1233.6	1228.3
167.5°	1288.8	1291.8	1288.8	1285.7	1285.0	1274.2	1259.9	1252.8	1249.8	1243.8	1239.3
170°	1285.0	1285.0	1285.0	1285.0	1285.0	1274.2	1259.9	1252.8	1252.7	1252.3	1252.0
172.5°	1274.9	1272.3	1274.9	1277.6	1278.2	1269.8	1258.5	1252.8	1252.8	1252.8	1252.8
175°	1268.9	1268.9	1268.9	1268.9	1268.9	1263.6	1256.4	1252.8	1254.6	1257.9	1260.5
177.5°	1263.5	1260.5	1263.5	1266.5	1267.2	1263.0	1257.4	1254.6	1255.8	1258.5	1260.5
180°	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5



TEST NUMBER: P934628

CATALOG NUMBER: SQ4-FA-075U-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°	21.9	15.2	8.5	15.2	21.9	23.7	37.2	55.3	64.3	57.1	42.8
92.5°	148.9	91.3	33.8	91.3	148.9	163.3	229.5	317.8	362.0	317.3	227.9
95°	291.8	186.5	81.2	186.5	291.8	318.1	564.8	893.8	1058.3	944.4	716.5
97.5°	326.2	233.3	140.4	233.3	326.2	349.4	760.8	1309.3	1583.6	1511.5	1367.5
100°	354.6	270.3	186.1	270.3	354.6	375.6	832.1	1440.8	1745.1	1750.4	1761.0
102.5°	382.1	303.6	225.0	303.6	382.1	401.8	864.8	1482.2	1790.9	1882.6	2066.1
105°	424.1	357.6	291.0	357.6	424.1	440.7	889.1	1486.9	1785.8	1991.5	2402.8
107.5°	482.7	420.7	358.7	420.7	482.7	498.3	893.6	1420.8	1684.3	1971.2	2544.9
110°	516.4	460.4	404.3	460.4	516.4	530.4	886.8	1362.1	1599.7	1920.4	2561.8



TEST NUMBER: P934628

CATALOG NUMBER: SQ4-FA-075U-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°	556.0	502.6	449.2	502.6	556.0	569.3	887.2	1310.9	1522.7	1850.9	2507.4
115°	615.4	566.1	516.9	566.1	615.4	627.6	895.3	1252.1	1430.5	1746.7	2379.1
117.5°	673.1	628.5	583.7	628.5	673.1	684.3	911.9	1215.3	1367.0	1652.4	2223.1
120°	706.8	664.8	622.6	664.8	706.8	717.3	925.5	1202.9	1341.6	1602.3	2123.8
122.5°	745.6	703.1	660.7	703.1	745.6	756.3	944.9	1196.4	1322.2	1556.9	2026.6
125°	796.6	757.8	719.1	757.8	796.6	806.2	971.1	1191.1	1301.1	1500.5	1899.4
127.5°	844.7	805.6	766.5	805.6	844.7	854.4	997.4	1188.0	1283.3	1454.6	1797.1
130°	876.0	834.0	791.8	834.0	876.0	886.5	1016.5	1189.8	1276.5	1428.9	1733.9
132.5°	902.2	860.2	818.0	860.2	902.2	912.7	1032.0	1191.1	1270.6	1407.0	1680.0
135°	933.7	895.3	857.0	895.3	933.7	943.2	1049.0	1190.0	1260.5	1374.7	1603.3
137.5°	972.7	934.7	896.7	934.7	972.7	982.1	1074.4	1197.3	1258.8	1355.4	1548.7
140°	999.6	964.6	929.6	964.6	999.6	1008.3	1089.8	1198.5	1252.8	1336.3	1503.3
142.5°	1019.7	987.4	955.0	987.4	1019.7	1027.8	1102.8	1202.8	1252.8	1326.2	1472.8
145°	1050.4	1022.2	994.0	1022.2	1050.4	1057.5	1119.8	1202.8	1244.4	1304.3	1424.3
147.5°	1087.8	1060.4	1032.9	1060.4	1087.8	1094.7	1144.6	1211.1	1244.4	1291.6	1385.9
150°	1107.9	1083.1	1058.3	1083.1	1107.9	1114.1	1157.5	1215.5	1244.4	1284.2	1363.9
152.5°	1122.0	1103.3	1084.5	1103.3	1122.0	1126.8	1166.0	1218.3	1244.4	1278.4	1346.4
155°	1151.2	1137.3	1123.4	1137.3	1151.2	1154.7	1184.6	1224.5	1244.4	1271.5	1325.6
157.5°	1179.3	1165.7	1152.1	1165.7	1179.3	1182.6	1203.2	1230.6	1244.4	1265.4	1307.5
160°	1192.7	1182.2	1171.6	1182.2	1192.7	1195.4	1211.7	1233.5	1244.4	1262.4	1298.5
162.5°	1206.8	1199.0	1191.1	1199.0	1206.8	1208.8	1220.6	1236.5	1244.4	1259.6	1290.0
165°	1226.5	1219.4	1212.3	1219.4	1226.5	1228.3	1233.6	1240.8	1244.4	1255.3	1277.0
167.5°	1238.5	1235.0	1231.6	1235.0	1238.5	1239.3	1243.8	1249.8	1252.8	1259.9	1274.2
170°	1251.2	1247.7	1244.4	1247.7	1251.2	1252.0	1252.3	1252.7	1252.8	1259.9	1274.2
172.5°	1252.7	1251.8	1251.1	1251.8	1252.7	1252.8	1252.8	1252.8	1252.8	1258.5	1269.8
175°	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1257.9	1254.6	1252.8	1256.4	1263.6
177.5°	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1258.5	1255.8	1254.6	1257.4	1263.0
180°	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5



TEST NUMBER: P934628

CATALOG NUMBER: SQ4-FA-075U-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°	32.1	32.1	32.1	32.1	32.1	32.1	32.1	42.8	57.1	64.3	55.3
92.5°	160.7	154.4	128.8	103.2	128.8	154.4	160.7	227.9	317.3	362.0	317.8
95°	545.6	526.2	448.8	371.4	448.8	526.2	545.6	716.5	944.4	1058.3	893.8
97.5°	1259.6	1222.7	1075.4	928.0	1075.4	1222.7	1259.6	1367.5	1511.5	1583.6	1309.3
100°	1768.9	1724.9	1549.4	1373.8	1549.4	1724.9	1768.9	1761.0	1750.4	1745.1	1440.8
102.5°	2203.7	2166.1	2015.7	1865.3	2015.7	2166.1	2203.7	2066.1	1882.6	1790.9	1482.2
105°	2711.3	2691.1	2610.2	2529.3	2610.2	2691.1	2711.3	2402.8	1991.5	1785.8	1486.9
107.5°	2975.1	2980.1	2999.6	3019.2	2999.6	2980.1	2975.1	2544.9	1971.2	1684.3	1420.8
110°	3042.8	3063.8	3148.1	3232.3	3148.1	3063.8	3042.8	2561.8	1920.4	1599.7	1362.1



TEST NUMBER: P934628

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2999.7	3032.0	3161.4	3290.7	3161.4	3032.0	2999.7	2507.4	1850.9	1522.7	1310.9
115°	2853.3	2898.2	3077.5	3256.9	3077.5	2898.2	2853.3	2379.1	1746.7	1430.5	1252.1
117.5°	2651.1	2700.9	2899.7	3098.7	2899.7	2700.9	2651.1	2223.1	1652.4	1367.0	1215.3
120°	2515.0	2563.3	2756.6	2949.8	2756.6	2563.3	2515.0	2123.8	1602.3	1341.6	1202.9
122.5°	2378.8	2426.5	2617.0	2807.7	2617.0	2426.5	2378.8	2026.6	1556.9	1322.2	1196.4
125°	2198.6	2242.5	2418.1	2593.6	2418.1	2242.5	2198.6	1899.4	1500.5	1301.1	1191.1
127.5°	2054.0	2091.0	2239.2	2387.3	2239.2	2091.0	2054.0	1797.1	1454.6	1283.3	1188.0
130°	1962.5	1996.7	2133.6	2270.5	2133.6	1996.7	1962.5	1733.9	1428.9	1276.5	1189.8
132.5°	1884.8	1915.4	2038.0	2160.6	2038.0	1915.4	1884.8	1680.0	1407.0	1270.6	1191.1
135°	1774.8	1801.2	1906.9	2012.5	1906.9	1801.2	1774.8	1603.3	1374.7	1260.5	1190.0
137.5°	1693.6	1715.2	1801.6	1888.1	1801.6	1715.2	1693.6	1548.7	1355.4	1258.8	1197.3
140°	1628.4	1648.6	1729.5	1810.3	1729.5	1648.6	1628.4	1503.3	1336.3	1252.8	1198.5
142.5°	1582.8	1600.1	1669.7	1739.2	1669.7	1600.1	1582.8	1472.8	1326.2	1252.8	1202.8
145°	1514.3	1527.5	1580.0	1632.6	1580.0	1527.5	1514.3	1424.3	1304.3	1244.4	1202.8
147.5°	1456.7	1467.6	1511.2	1554.8	1511.2	1467.6	1456.7	1385.9	1291.6	1244.4	1211.1
150°	1423.7	1432.5	1467.9	1503.3	1467.9	1432.5	1423.7	1363.9	1284.2	1244.4	1215.5
152.5°	1397.5	1404.1	1430.9	1457.5	1430.9	1404.1	1397.5	1346.4	1278.4	1244.4	1218.3
155°	1366.2	1370.6	1388.3	1405.9	1388.3	1370.6	1366.2	1325.6	1271.5	1244.4	1224.5
157.5°	1339.1	1342.2	1354.6	1367.0	1354.6	1342.2	1339.1	1307.5	1265.4	1244.4	1230.6
160°	1325.6	1327.4	1334.5	1341.6	1334.5	1327.4	1325.6	1298.5	1262.4	1244.4	1233.5
162.5°	1312.9	1314.6	1321.3	1328.2	1321.3	1314.6	1312.9	1290.0	1259.6	1244.4	1236.5
165°	1293.4	1295.2	1302.3	1309.5	1302.3	1295.2	1293.4	1277.0	1255.3	1244.4	1240.8
167.5°	1285.0	1285.7	1288.8	1291.8	1288.8	1285.7	1285.0	1274.2	1259.9	1252.8	1249.8
170°	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1274.2	1259.9	1252.8	1252.7
172.5°	1278.2	1277.6	1274.9	1272.3	1274.9	1277.6	1278.2	1269.8	1258.5	1252.8	1252.8
175°	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1263.6	1256.4	1252.8	1254.6
177.5°	1267.2	1266.5	1263.5	1260.5	1263.5	1266.5	1267.2	1263.0	1257.4	1254.6	1255.8
180°	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5



TEST NUMBER: P934628

CATALOG NUMBER: SQ4-FA-075U-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°	37.2	23.7	21.9	15.2	8.5
92.5°	229.5	163.3	148.9	91.3	33.8
95°	564.8	318.1	291.8	186.5	81.2
97.5°	760.8	349.4	326.2	233.3	140.4
100°	832.1	375.6	354.6	270.3	186.1
102.5°	864.8	401.8	382.1	303.6	225.0
105°	889.1	440.7	424.1	357.6	291.0
107.5°	893.6	498.3	482.7	420.7	358.7
110°	886.8	530.4	516.4	460.4	404.3



TEST NUMBER: P934628

CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	887.2	569.3	556.0	502.6	449.2
115°	895.3	627.6	615.4	566.1	516.9
117.5°	911.9	684.3	673.1	628.5	583.7
120°	925.5	717.3	706.8	664.8	622.6
122.5°	944.9	756.3	745.6	703.1	660.7
125°	971.1	806.2	796.6	757.8	719.1
127.5°	997.4	854.4	844.7	805.6	766.5
130°	1016.5	886.5	876.0	834.0	791.8
132.5°	1032.0	912.7	902.2	860.2	818.0
135°	1049.0	943.2	933.7	895.3	857.0
137.5°	1074.4	982.1	972.7	934.7	896.7
140°	1089.8	1008.3	999.6	964.6	929.6
142.5°	1102.8	1027.8	1019.7	987.4	955.0
145°	1119.8	1057.5	1050.4	1022.2	994.0
147.5°	1144.6	1094.7	1087.8	1060.4	1032.9
150°	1157.5	1114.1	1107.9	1083.1	1058.3
152.5°	1166.0	1126.8	1122.0	1103.3	1084.5
155°	1184.6	1154.7	1151.2	1137.3	1123.4
157.5°	1203.2	1182.6	1179.3	1165.7	1152.1
160°	1211.7	1195.4	1192.7	1182.2	1171.6
162.5°	1220.6	1208.8	1206.8	1199.0	1191.1
165°	1233.6	1228.3	1226.5	1219.4	1212.3
167.5°	1243.8	1239.3	1238.5	1235.0	1231.6
170°	1252.3	1252.0	1251.2	1247.7	1244.4
172.5°	1252.8	1252.8	1252.7	1251.8	1251.1
175°	1257.9	1260.5	1260.5	1260.5	1260.5
177.5°	1258.5	1260.5	1260.5	1260.5	1260.5
180°	1260.5	1260.5	1260.5	1260.5	1260.5



TEST NUMBER: P934628
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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	9.81	10.57	10.86	11.63	13.06	12.66	13.43	13.72	14.48	15.92
	3H	10.28	10.96	11.34	12.03	13.48	14.01	14.69	15.07	15.76	17.21
	4H	10.47	11.12	11.54	12.18	13.64	14.45	15.10	15.53	16.17	17.63
	6H	10.58	11.18	11.66	12.25	13.72	14.74	15.33	15.82	16.40	17.87
	8H	10.58	11.15	11.67	12.23	13.70	14.81	15.38	15.90	16.47	17.93
	12H	10.55	11.09	11.64	12.17	13.65	14.85	15.39	15.94	16.47	17.96
4H	2H	10.84	11.48	11.92	12.55	14.01	13.06	13.71	14.14	14.77	16.23
	3H	11.85	12.39	12.94	13.49	14.96	14.56	15.10	15.65	16.20	17.67
	4H	12.13	12.62	13.22	13.71	15.20	15.09	15.59	16.18	16.67	18.16
	6H	12.25	12.67	13.35	13.78	15.26	15.46	15.88	16.56	16.99	18.47
	8H	12.25	12.65	13.35	13.75	15.25	15.56	15.96	16.67	17.06	18.56
	12H	12.21	12.57	13.33	13.68	15.19	15.62	15.98	16.74	17.09	18.60
8H	4H	12.58	12.97	13.68	14.07	15.57	15.21	15.60	16.31	16.70	18.20
	6H	12.83	13.16	13.96	14.30	15.80	15.64	15.97	16.77	17.11	18.61
	8H	12.87	13.16	14.01	14.29	15.80	15.80	16.09	16.93	17.21	18.73
	12H	12.85	13.11	13.99	14.23	15.78	15.90	16.15	17.03	17.27	18.82
12H	4H	12.58	12.94	13.70	14.05	15.56	15.17	15.53	16.29	16.64	18.14
	6H	12.89	13.18	14.02	14.31	15.82	15.64	15.93	16.77	17.05	18.57
	8H	12.96	13.21	14.09	14.33	15.88	15.80	16.05	16.93	17.17	18.73