

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: P934229

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

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934229
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-12-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

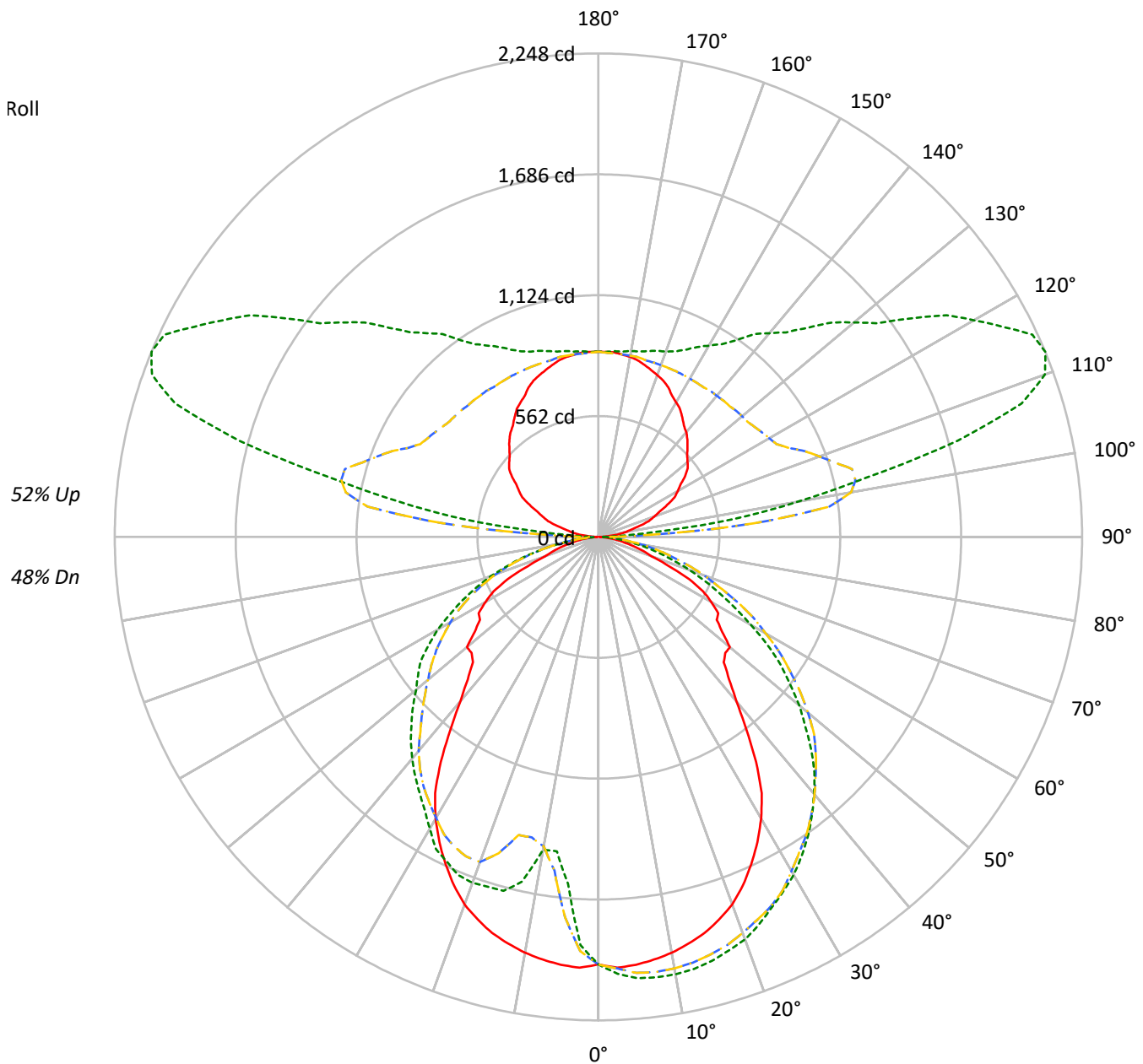
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10739.7 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 85.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

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

MAXIMUM LUMINANCE 45°-90°:

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.4	1.7
10°-20°	509.5	4.7
20°-30°	787.5	7.3
30°-40°	940.1	8.8
40°-50°	945.7	8.8
50°-60°	822.8	7.7
60°-70°	583.4	5.4
70°-80°	308.7	2.9
80°-90°	80.2	0.7
90°-100°	419.8	3.9
100°-110°	1103.6	10.3
110°-120°	1144.3	10.7
120°-130°	917.9	8.5
130°-140°	720.2	6.7
140°-150°	552.8	5.1
150°-160°	398.1	3.7
160°-170°	243.6	2.3
170°-180°	82.3	0.8
0°-30°	1476.4	13.7
0°-40°	2416.6	22.5
0°-60°	4185.0	39.0
0°-90°	5157.3	48.0
90°-120°	2667.6	24.8
90°-150°	4858.5	45.2
90°-180°	5582.0	52.0
0°-180°	10739.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1988	1988	1988	1988	1988	
5°	1997	2059	1997	1619	1997	189
15°	1907	2040	1907	1704	1907	537
25°	1679	1903	1679	1666	1679	771
35°	1277	1698	1277	1450	1277	790
45°	824	1399	824	1228	824	660
55°	671	1032	671	1008	671	617
65°	466	622	466	696	466	446
75°	177	295	177	354	177	186
85°	30	75	30	64	30	41
90°	6	22	6	22	6	6
95°	56	254	56	254	56	62
105°	199	1728	199	1728	199	211
115°	353	2225	353	2225	353	349
125°	491	1772	491	1772	491	436
135°	586	1375	586	1375	586	453
145°	679	1116	679	1116	679	425
155°	768	961	768	961	768	353
165°	828	895	828	895	828	234
175°	861	867	861	867	861	82
180°	861	861	861	861	861	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7
2.5°	2004.7	2004.7	2016.0	2019.7	2019.7	2014.1	2008.5	2014.1	2031.0	2036.6	2034.8
5°	1997.2	2012.2	2032.9	2036.6	2040.5	2038.6	2034.8	2038.6	2057.4	2061.1	2063.0
7.5°	1982.1	2010.4	2036.6	2042.3	2047.9	2042.3	2040.5	2044.2	2063.0	2066.7	2066.7
10°	1963.3	2002.8	2032.9	2036.6	2042.3	2036.6	2036.6	2044.2	2063.0	2066.7	2068.7
12.5°	1937.0	1991.6	2019.7	2023.5	2031.0	2029.2	2027.3	2034.8	2053.6	2057.4	2057.4
15°	1906.9	1970.8	1997.2	2000.9	2014.1	2010.4	2010.4	2017.8	2038.6	2044.2	2042.3
17.5°	1865.6	1944.6	1974.7	1980.3	1989.7	1987.7	1989.7	1997.2	2016.0	2019.7	2021.7
20°	1818.6	1908.8	1944.6	1950.2	1959.6	1959.6	1959.6	1969.0	1987.7	1995.3	1995.3
22.5°	1754.6	1871.2	1908.8	1912.6	1923.8	1923.8	1927.6	1940.7	1957.6	1959.6	1959.6
25°	1679.4	1829.8	1861.7	1873.1	1884.4	1890.0	1895.7	1903.2	1908.8	1906.9	1908.8
27.5°	1600.4	1777.2	1818.6	1826.0	1841.1	1846.7	1854.3	1856.1	1858.0	1863.6	1859.9
30°	1512.0	1703.8	1765.8	1773.4	1797.8	1801.6	1794.1	1797.8	1807.3	1811.0	1814.7
32.5°	1412.3	1594.7	1711.4	1728.3	1750.8	1739.6	1737.6	1743.3	1758.4	1758.4	1762.1
35°	1276.9	1510.1	1660.6	1675.6	1692.6	1679.4	1686.9	1688.7	1698.2	1703.8	1701.9
37.5°	1128.4	1436.7	1607.9	1619.2	1632.4	1615.5	1626.7	1632.4	1639.8	1636.1	1636.1
40°	996.7	1322.0	1545.8	1553.4	1564.6	1551.5	1562.7	1566.6	1570.3	1566.6	1564.6
42.5°	898.9	1196.0	1480.0	1489.5	1481.9	1491.3	1495.1	1502.6	1496.9	1489.5	1489.5
45°	823.7	1162.2	1408.6	1419.8	1408.6	1423.7	1429.3	1429.3	1412.3	1408.6	1406.6
47.5°	799.3	1094.5	1337.1	1337.1	1331.5	1350.3	1359.6	1346.5	1329.6	1323.9	1323.9
50°	797.4	1019.3	1239.3	1231.8	1258.1	1280.6	1271.3	1258.1	1244.9	1224.3	1224.3
52.5°	724.0	927.1	1113.3	1141.6	1182.9	1196.0	1181.0	1167.8	1145.3	1135.9	1128.4
55°	671.4	831.2	998.5	1055.0	1098.3	1115.2	1087.0	1073.8	1040.0	1034.3	1030.6
57.5°	660.1	692.1	893.3	964.7	1017.4	1015.6	998.5	974.2	945.9	940.3	938.4
60°	605.6	500.3	780.5	865.1	919.6	914.0	898.9	876.4	850.0	846.3	842.5
62.5°	549.1	362.9	652.5	748.5	825.5	823.7	810.6	776.6	757.9	748.5	740.9
65°	466.4	304.6	464.5	622.5	733.5	737.2	709.0	684.6	663.8	652.5	650.6
67.5°	355.5	248.3	314.1	519.0	645.0	641.3	605.6	594.3	567.9	562.3	551.0
70°	263.3	165.5	218.2	421.3	558.6	549.1	520.9	507.7	483.3	470.2	462.6
72.5°	218.2	133.5	159.8	327.2	470.2	458.8	434.5	419.4	398.7	387.4	379.9
75°	176.8	141.0	122.3	242.6	381.7	374.3	351.6	336.6	319.7	304.6	306.5
77.5°	129.7	131.6	97.8	178.6	302.8	291.5	278.4	259.6	252.0	236.9	236.9
80°	97.8	103.5	73.4	122.3	218.2	218.2	206.9	193.7	180.5	173.0	173.0
82.5°	65.8	65.8	54.5	77.1	148.5	142.9	135.4	131.6	124.1	120.4	120.4
85°	30.1	37.6	33.8	47.0	80.9	84.6	84.6	80.9	79.0	75.2	77.1
87.5°	9.4	16.9	20.7	26.4	41.4	43.3	45.1	45.1	45.1	47.0	47.0
90°	5.8	10.4	15.0	16.2	25.4	37.8	43.9	39.1	29.3	22.0	22.0
92.5°	23.1	62.3	101.7	111.5	156.8	217.1	247.3	216.8	155.6	109.8	105.4
95°	55.5	127.4	199.4	217.3	385.8	610.6	723.0	645.1	489.5	372.8	359.5
97.5°	95.9	159.4	222.8	238.7	519.8	894.5	1081.9	1032.8	934.3	860.6	835.4
100°	127.1	184.7	242.2	256.6	568.5	984.3	1192.3	1195.9	1203.1	1208.5	1178.5
102.5°	153.8	207.4	261.1	274.5	590.8	1012.7	1223.5	1286.2	1411.5	1505.5	1479.8
105°	198.8	244.2	289.7	301.1	607.4	1015.8	1220.1	1360.6	1641.5	1852.3	1838.5
107.5°	245.1	287.4	329.9	340.4	610.5	970.7	1150.7	1346.7	1738.7	2032.7	2036.1
110°	276.3	314.5	352.9	362.4	605.9	930.6	1093.0	1312.0	1750.2	2078.9	2093.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	306.9	343.3	379.8	388.9	606.1	895.5	1040.3	1264.6	1713.0	2049.4	2071.5
115°	353.1	386.8	420.4	428.8	611.7	855.4	977.3	1193.3	1625.4	1949.4	1980.1
117.5°	398.7	429.3	459.9	467.5	623.0	830.3	934.0	1128.9	1518.8	1811.3	1845.2
120°	425.4	454.2	482.9	490.1	632.2	821.9	916.7	1094.8	1451.0	1718.3	1751.3
122.5°	451.4	480.4	509.4	516.7	645.6	817.4	903.3	1063.7	1384.6	1625.2	1657.7
125°	491.3	517.7	544.2	550.8	663.5	813.8	888.9	1025.2	1297.7	1502.1	1532.1
127.5°	523.6	550.4	577.1	583.7	681.4	811.6	876.8	993.8	1227.7	1403.3	1428.6
130°	541.0	569.8	598.5	605.7	694.5	812.9	872.2	976.3	1184.6	1340.8	1364.2
132.5°	558.9	587.6	616.4	623.6	705.1	813.8	868.1	961.3	1147.8	1287.7	1308.6
135°	585.5	611.7	637.8	644.4	716.6	813.0	861.1	939.3	1095.5	1212.6	1230.6
137.5°	612.6	638.6	664.6	671.0	734.0	818.1	860.0	926.0	1058.1	1157.1	1171.8
140°	635.1	659.1	682.9	688.9	744.6	818.8	855.9	912.9	1027.1	1112.6	1126.4
142.5°	652.5	674.6	696.7	702.2	753.5	821.8	855.9	906.0	1006.2	1081.4	1093.2
145°	679.1	698.3	717.6	722.4	765.1	821.8	850.2	891.1	973.1	1034.5	1043.5
147.5°	705.7	724.4	743.2	747.9	782.0	827.5	850.2	882.5	947.0	995.3	1002.8
150°	723.0	739.9	756.9	761.1	790.9	830.4	850.2	877.4	931.8	972.7	978.7
152.5°	740.9	753.7	766.6	769.8	796.6	832.4	850.2	873.5	919.9	954.8	959.4
155°	767.5	777.0	786.6	788.9	809.4	836.6	850.2	868.7	905.6	933.4	936.4
157.5°	787.2	796.5	805.6	808.0	822.1	840.9	850.2	864.6	893.3	914.9	917.0
160°	800.5	807.7	814.9	816.7	827.9	842.7	850.2	862.5	887.1	905.6	906.9
162.5°	813.8	819.2	824.6	825.9	834.0	844.8	850.2	860.6	881.3	896.9	898.1
165°	828.2	833.1	838.0	839.2	842.8	847.8	850.2	857.7	872.5	883.7	884.9
167.5°	841.5	843.8	846.1	846.7	849.7	853.9	855.9	860.8	870.6	877.9	878.4
170°	850.2	852.5	854.8	855.3	855.5	855.8	855.9	860.8	870.6	877.9	877.9
172.5°	854.8	855.3	855.8	855.9	855.9	855.9	855.9	859.7	867.5	873.3	872.8
175°	861.1	861.1	861.1	861.1	859.4	857.0	855.9	858.3	863.3	866.9	866.9
177.5°	861.1	861.1	861.1	861.1	859.8	858.1	857.1	859.1	862.9	865.8	865.3
180°	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7
2.5°	2038.6	2032.9	2038.6	2034.8	2036.6	2031.0	2014.1	2008.5	2014.1	2019.7	2019.7
5°	2063.0	2059.3	2063.0	2063.0	2061.1	2057.4	2038.6	2034.8	2038.6	2040.5	2036.6
7.5°	2070.6	2064.9	2070.6	2066.7	2066.7	2063.0	2044.2	2040.5	2042.3	2047.9	2042.3
10°	2070.6	2064.9	2070.6	2068.7	2066.7	2063.0	2044.2	2036.6	2036.6	2042.3	2036.6
12.5°	2061.1	2057.4	2061.1	2057.4	2057.4	2053.6	2034.8	2027.3	2029.2	2031.0	2023.5
15°	2046.1	2040.5	2046.1	2042.3	2044.2	2038.6	2017.8	2010.4	2010.4	2014.1	2000.9
17.5°	2023.5	2016.0	2023.5	2021.7	2019.7	2016.0	1997.2	1989.7	1987.7	1989.7	1980.3
20°	1997.2	1991.6	1997.2	1995.3	1995.3	1987.7	1969.0	1959.6	1959.6	1959.6	1950.2
22.5°	1955.8	1950.2	1955.8	1959.6	1959.6	1957.6	1940.7	1927.6	1923.8	1923.8	1912.6
25°	1908.8	1903.2	1908.8	1908.8	1906.9	1908.8	1903.2	1895.7	1890.0	1884.4	1873.1
27.5°	1863.6	1859.9	1863.6	1859.9	1863.6	1858.0	1856.1	1854.3	1846.7	1841.1	1826.0
30°	1818.6	1814.7	1818.6	1814.7	1811.0	1807.3	1797.8	1794.1	1801.6	1797.8	1773.4
32.5°	1762.1	1758.4	1762.1	1762.1	1758.4	1758.4	1743.3	1737.6	1739.6	1750.8	1728.3
35°	1703.8	1698.2	1703.8	1701.9	1703.8	1698.2	1688.7	1686.9	1679.4	1692.6	1675.6
37.5°	1636.1	1630.5	1636.1	1636.1	1636.1	1639.8	1632.4	1626.7	1615.5	1632.4	1619.2
40°	1566.6	1559.0	1566.6	1564.6	1566.6	1570.3	1566.6	1562.7	1551.5	1564.6	1553.4
42.5°	1487.6	1485.6	1487.6	1489.5	1489.5	1496.9	1502.6	1495.1	1491.3	1481.9	1489.5
45°	1402.9	1399.2	1402.9	1406.6	1408.6	1412.3	1429.3	1429.3	1423.7	1408.6	1419.8
47.5°	1312.6	1303.3	1312.6	1323.9	1323.9	1329.6	1346.5	1359.6	1350.3	1331.5	1337.1
50°	1216.7	1218.6	1216.7	1224.3	1224.3	1244.9	1258.1	1271.3	1280.6	1258.1	1231.8
52.5°	1122.7	1120.8	1122.7	1128.4	1135.9	1145.3	1167.8	1181.0	1196.0	1182.9	1141.6
55°	1028.6	1032.5	1028.6	1030.6	1034.3	1040.0	1073.8	1087.0	1115.2	1098.3	1055.0
57.5°	934.6	929.0	934.6	938.4	940.3	945.9	974.2	998.5	1015.6	1017.4	964.7
60°	825.5	818.1	825.5	842.5	846.3	850.0	876.4	898.9	914.0	919.6	865.1
62.5°	729.6	716.5	729.6	740.9	748.5	757.9	776.6	810.6	823.7	825.5	748.5
65°	628.1	622.5	628.1	650.6	652.5	663.8	684.6	709.0	737.2	733.5	622.5
67.5°	536.0	536.0	536.0	551.0	562.3	567.9	594.3	605.6	641.3	645.0	519.0
70°	451.4	449.5	451.4	462.6	470.2	483.3	507.7	520.9	549.1	558.6	421.3
72.5°	370.5	368.6	370.5	379.9	387.4	398.7	419.4	434.5	458.8	470.2	327.2
75°	299.0	295.3	299.0	306.5	304.6	319.7	336.6	351.6	374.3	381.7	242.6
77.5°	229.5	229.5	229.5	236.9	236.9	252.0	259.6	278.4	291.5	302.8	178.6
80°	171.1	169.3	171.1	173.0	173.0	180.5	193.7	206.9	218.2	218.2	122.3
82.5°	120.4	116.6	120.4	120.4	120.4	124.1	131.6	135.4	142.9	148.5	77.1
85°	75.2	75.2	75.2	77.1	75.2	79.0	80.9	84.6	84.6	80.9	47.0
87.5°	48.9	47.0	48.9	47.0	47.0	45.1	45.1	45.1	43.3	41.4	26.4
90°	22.0	22.0	22.0	22.0	22.0	29.3	39.1	43.9	37.8	25.4	16.2
92.5°	88.0	70.5	88.0	105.4	109.8	155.6	216.8	247.3	217.1	156.8	111.5
95°	306.6	253.7	306.6	359.5	372.8	489.5	645.1	723.0	610.6	385.8	217.3
97.5°	734.7	634.0	734.7	835.4	860.6	934.3	1032.8	1081.9	894.5	519.8	238.7
100°	1058.6	938.6	1058.6	1178.5	1208.5	1203.1	1195.9	1192.3	984.3	568.5	256.6
102.5°	1377.1	1274.4	1377.1	1479.8	1505.5	1411.5	1286.2	1223.5	1012.7	590.8	274.5
105°	1783.3	1728.1	1783.3	1838.5	1852.3	1641.5	1360.6	1220.1	1015.8	607.4	301.1
107.5°	2049.3	2062.7	2049.3	2036.1	2032.7	1738.7	1346.7	1150.7	970.7	610.5	340.4
110°	2150.8	2208.3	2150.8	2093.3	2078.9	1750.2	1312.0	1093.0	930.6	605.9	362.4



TEST NUMBER: P934229

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

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2159.9	2248.2	2159.9	2071.5	2049.4	1713.0	1264.6	1040.3	895.5	606.1	388.9
115°	2102.6	2225.2	2102.6	1980.1	1949.4	1625.4	1193.3	977.3	855.4	611.7	428.8
117.5°	1981.1	2117.0	1981.1	1845.2	1811.3	1518.8	1128.9	934.0	830.3	623.0	467.5
120°	1883.3	2015.3	1883.3	1751.3	1718.3	1451.0	1094.8	916.7	821.9	632.2	490.1
122.5°	1788.0	1918.2	1788.0	1657.7	1625.2	1384.6	1063.7	903.3	817.4	645.6	516.7
125°	1652.0	1772.0	1652.0	1532.1	1502.1	1297.7	1025.2	888.9	813.8	663.5	550.8
127.5°	1529.7	1631.0	1529.7	1428.6	1403.3	1227.7	993.8	876.8	811.6	681.4	583.7
130°	1457.8	1551.2	1457.8	1364.2	1340.8	1184.6	976.3	872.2	812.9	694.5	605.7
132.5°	1392.3	1476.1	1392.3	1308.6	1287.7	1147.8	961.3	868.1	813.8	705.1	623.6
135°	1302.8	1375.0	1302.8	1230.6	1212.6	1095.5	939.3	861.1	813.0	716.6	644.4
137.5°	1230.9	1290.0	1230.9	1171.8	1157.1	1058.1	926.0	860.0	818.1	734.0	671.0
140°	1181.6	1236.8	1181.6	1126.4	1112.6	1027.1	912.9	855.9	818.8	744.6	688.9
142.5°	1140.8	1188.3	1140.8	1093.2	1081.4	1006.2	906.0	855.9	821.8	753.5	702.2
145°	1079.5	1115.5	1079.5	1043.5	1034.5	973.1	891.1	850.2	821.8	765.1	722.4
147.5°	1032.5	1062.3	1032.5	1002.8	995.3	947.0	882.5	850.2	827.5	782.0	747.9
150°	1002.8	1027.1	1002.8	978.7	972.7	931.8	877.4	850.2	830.4	790.9	761.1
152.5°	977.6	995.8	977.6	959.4	954.8	919.9	873.5	850.2	832.4	796.6	769.8
155°	948.5	960.6	948.5	936.4	933.4	905.6	868.7	850.2	836.6	809.4	788.9
157.5°	925.5	934.0	925.5	917.0	914.9	893.3	864.6	850.2	840.9	822.1	808.0
160°	911.8	916.7	911.8	906.9	905.6	887.1	862.5	850.2	842.7	827.9	816.7
162.5°	902.7	907.4	902.7	898.1	896.9	881.3	860.6	850.2	844.8	834.0	825.9
165°	889.8	894.7	889.8	884.9	883.7	872.5	857.7	850.2	847.8	842.8	839.2
167.5°	880.5	882.5	880.5	878.4	877.9	870.6	860.8	855.9	853.9	849.7	846.7
170°	877.9	877.9	877.9	877.9	877.9	870.6	860.8	855.9	855.8	855.5	855.3
172.5°	871.1	869.3	871.1	872.8	873.3	867.5	859.7	855.9	855.9	855.9	855.9
175°	866.9	866.9	866.9	866.9	866.9	863.3	858.3	855.9	857.0	859.4	861.1
177.5°	863.2	861.1	863.2	865.3	865.8	862.9	859.1	857.1	858.1	859.8	861.1
180°	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1



TEST NUMBER: P934229

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

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7
2.5°	2016.0	2004.7	2004.7	1985.9	1978.4	1972.7	1963.3	1935.1	1927.6	1920.1	1931.4
5°	2032.9	2012.2	1997.2	1963.3	1935.1	1923.8	1888.1	1820.4	1775.3	1741.5	1722.7
7.5°	2036.6	2010.4	1982.1	1929.5	1861.7	1831.6	1722.7	1598.5	1564.6	1534.6	1515.7
10°	2032.9	2002.8	1963.3	1884.4	1724.5	1671.8	1562.7	1481.9	1461.2	1455.6	1461.2
12.5°	2019.7	1991.6	1937.0	1805.4	1581.6	1545.8	1481.9	1434.9	1431.1	1440.6	1491.3
15°	1997.2	1970.8	1906.9	1700.0	1502.6	1476.3	1431.1	1414.2	1434.9	1500.7	1653.0
17.5°	1974.7	1944.6	1865.6	1596.7	1442.4	1423.7	1391.6	1425.5	1542.1	1630.5	1681.3
20°	1944.6	1908.8	1818.6	1521.4	1399.2	1382.2	1367.2	1519.6	1607.9	1639.8	1668.1
22.5°	1908.8	1871.2	1754.6	1468.7	1354.0	1340.8	1350.3	1572.2	1607.9	1630.5	1654.9
25°	1861.7	1829.8	1679.4	1427.4	1318.3	1303.3	1339.0	1566.6	1587.2	1592.8	1641.7
27.5°	1818.6	1777.2	1600.4	1389.7	1275.0	1269.4	1348.4	1542.1	1557.1	1562.7	1615.5
30°	1765.8	1703.8	1512.0	1350.3	1229.9	1228.0	1350.3	1512.0	1508.2	1523.3	1575.9
32.5°	1711.4	1594.7	1412.3	1301.4	1186.6	1184.7	1337.1	1466.8	1463.1	1483.8	1523.3
35°	1660.6	1510.1	1276.9	1244.9	1132.1	1134.0	1305.1	1414.2	1416.1	1434.9	1459.4
37.5°	1607.9	1436.7	1128.4	1182.9	1079.5	1079.5	1261.9	1365.3	1361.6	1367.2	1401.0
40°	1545.8	1322.0	996.7	1102.0	1030.6	1024.9	1209.2	1312.6	1299.5	1297.7	1344.6
42.5°	1480.0	1196.0	898.9	994.8	974.2	966.6	1145.3	1248.7	1224.3	1229.9	1290.1
45°	1408.6	1162.2	823.7	840.6	915.8	910.2	1075.7	1175.4	1158.5	1173.5	1235.6
47.5°	1337.1	1094.5	799.3	697.7	853.8	851.9	998.5	1103.9	1094.5	1109.6	1175.4
50°	1239.3	1019.3	797.4	598.0	784.2	791.7	906.5	1034.3	1034.3	1047.5	1117.1
52.5°	1113.3	927.1	724.0	541.6	703.4	725.9	825.5	974.2	977.9	991.1	1053.1
55°	998.5	831.2	671.4	498.4	607.5	656.4	746.5	912.1	919.6	932.7	989.2
57.5°	893.3	692.1	660.1	447.5	519.0	566.1	677.0	851.9	855.6	866.9	921.5
60°	780.5	500.3	605.6	393.0	441.9	477.6	613.1	780.5	793.6	801.1	848.2
62.5°	652.5	362.9	549.1	355.5	404.4	411.8	560.4	712.7	729.6	735.3	763.6
65°	464.5	304.6	466.4	323.5	364.8	366.7	504.0	643.2	658.2	667.6	688.3
67.5°	314.1	248.3	355.5	293.4	334.7	336.6	449.5	562.3	583.0	590.5	603.6
70°	218.2	165.5	263.3	261.4	300.9	304.6	391.2	488.9	507.7	513.4	520.9
72.5°	159.8	133.5	218.2	235.1	265.2	268.9	331.0	406.2	425.0	430.6	434.5
75°	122.3	141.0	176.8	205.0	225.6	227.5	270.8	331.0	344.2	347.9	349.8
77.5°	97.8	131.6	129.7	165.5	184.3	180.5	212.6	255.7	267.0	267.0	267.0
80°	73.4	103.5	97.8	118.5	135.4	131.6	152.4	182.5	186.2	189.9	188.1
82.5°	54.5	65.8	65.8	75.2	90.3	86.6	101.5	118.5	118.5	118.5	122.3
85°	33.8	37.6	30.1	39.5	50.8	48.9	56.5	63.9	65.8	65.8	62.1
87.5°	20.7	16.9	9.4	15.0	22.5	22.5	26.4	28.2	26.4	26.4	26.4
90°	15.0	10.4	5.8	10.4	15.0	16.2	25.4	37.8	43.9	39.1	29.3
92.5°	101.7	62.3	23.1	62.3	101.7	111.5	156.8	217.1	247.3	216.8	155.6
95°	199.4	127.4	55.5	127.4	199.4	217.3	385.8	610.6	723.0	645.1	489.5
97.5°	222.8	159.4	95.9	159.4	222.8	238.7	519.8	894.5	1081.9	1032.8	934.3
100°	242.2	184.7	127.1	184.7	242.2	256.6	568.5	984.3	1192.3	1195.9	1203.1
102.5°	261.1	207.4	153.8	207.4	261.1	274.5	590.8	1012.7	1223.5	1286.2	1411.5
105°	289.7	244.2	198.8	244.2	289.7	301.1	607.4	1015.8	1220.1	1360.6	1641.5
107.5°	329.9	287.4	245.1	287.4	329.9	340.4	610.5	970.7	1150.7	1346.7	1738.7
110°	352.9	314.5	276.3	314.5	352.9	362.4	605.9	930.6	1093.0	1312.0	1750.2



TEST NUMBER: P934229

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

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	379.8	343.3	306.9	343.3	379.8	388.9	606.1	895.5	1040.3	1264.6	1713.0
115°	420.4	386.8	353.1	386.8	420.4	428.8	611.7	855.4	977.3	1193.3	1625.4
117.5°	459.9	429.3	398.7	429.3	459.9	467.5	623.0	830.3	934.0	1128.9	1518.8
120°	482.9	454.2	425.4	454.2	482.9	490.1	632.2	821.9	916.7	1094.8	1451.0
122.5°	509.4	480.4	451.4	480.4	509.4	516.7	645.6	817.4	903.3	1063.7	1384.6
125°	544.2	517.7	491.3	517.7	544.2	550.8	663.5	813.8	888.9	1025.2	1297.7
127.5°	577.1	550.4	523.6	550.4	577.1	583.7	681.4	811.6	876.8	993.8	1227.7
130°	598.5	569.8	541.0	569.8	598.5	605.7	694.5	812.9	872.2	976.3	1184.6
132.5°	616.4	587.6	558.9	587.6	616.4	623.6	705.1	813.8	868.1	961.3	1147.8
135°	637.8	611.7	585.5	611.7	637.8	644.4	716.6	813.0	861.1	939.3	1095.5
137.5°	664.6	638.6	612.6	638.6	664.6	671.0	734.0	818.1	860.0	926.0	1058.1
140°	682.9	659.1	635.1	659.1	682.9	688.9	744.6	818.8	855.9	912.9	1027.1
142.5°	696.7	674.6	652.5	674.6	696.7	702.2	753.5	821.8	855.9	906.0	1006.2
145°	717.6	698.3	679.1	698.3	717.6	722.4	765.1	821.8	850.2	891.1	973.1
147.5°	743.2	724.4	705.7	724.4	743.2	747.9	782.0	827.5	850.2	882.5	947.0
150°	756.9	739.9	723.0	739.9	756.9	761.1	790.9	830.4	850.2	877.4	931.8
152.5°	766.6	753.7	740.9	753.7	766.6	769.8	796.6	832.4	850.2	873.5	919.9
155°	786.6	777.0	767.5	777.0	786.6	788.9	809.4	836.6	850.2	868.7	905.6
157.5°	805.6	796.5	787.2	796.5	805.6	808.0	822.1	840.9	850.2	864.6	893.3
160°	814.9	807.7	800.5	807.7	814.9	816.7	827.9	842.7	850.2	862.5	887.1
162.5°	824.6	819.2	813.8	819.2	824.6	825.9	834.0	844.8	850.2	860.6	881.3
165°	838.0	833.1	828.2	833.1	838.0	839.2	842.8	847.8	850.2	857.7	872.5
167.5°	846.1	843.8	841.5	843.8	846.1	846.7	849.7	853.9	855.9	860.8	870.6
170°	854.8	852.5	850.2	852.5	854.8	855.3	855.5	855.8	855.9	860.8	870.6
172.5°	855.8	855.3	854.8	855.3	855.8	855.9	855.9	855.9	855.9	859.7	867.5
175°	861.1	861.1	861.1	861.1	861.1	861.1	859.4	857.0	855.9	858.3	863.3
177.5°	861.1	861.1	861.1	861.1	861.1	861.1	859.8	858.1	857.1	859.1	862.9
180°	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1



TEST NUMBER: P934229

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

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7
2.5°	1918.2	1912.6	1920.1	1899.4	1920.1	1912.6	1918.2	1931.4	1920.1	1927.6	1935.1
5°	1683.1	1673.7	1643.7	1619.2	1643.7	1673.7	1683.1	1722.7	1741.5	1775.3	1820.4
7.5°	1504.5	1496.9	1489.5	1474.4	1489.5	1496.9	1504.5	1515.7	1534.6	1564.6	1598.5
10°	1465.0	1466.8	1478.1	1476.3	1478.1	1466.8	1465.0	1461.2	1455.6	1461.2	1481.9
12.5°	1566.6	1583.5	1645.5	1641.7	1645.5	1583.5	1566.6	1491.3	1440.6	1431.1	1434.9
15°	1683.1	1688.7	1701.9	1703.8	1701.9	1688.7	1683.1	1653.0	1500.7	1434.9	1414.2
17.5°	1694.4	1696.3	1705.7	1705.7	1705.7	1696.3	1694.4	1681.3	1630.5	1542.1	1425.5
20°	1685.0	1688.7	1707.6	1711.4	1707.6	1688.7	1685.0	1668.1	1639.8	1607.9	1519.6
22.5°	1681.3	1688.7	1703.8	1701.9	1703.8	1688.7	1681.3	1654.9	1630.5	1607.9	1572.2
25°	1662.5	1662.5	1664.3	1666.2	1664.3	1662.5	1662.5	1641.7	1592.8	1587.2	1566.6
27.5°	1622.9	1626.7	1638.0	1636.1	1638.0	1626.7	1622.9	1615.5	1562.7	1557.1	1542.1
30°	1587.2	1583.5	1574.0	1566.6	1574.0	1583.5	1587.2	1575.9	1523.3	1508.2	1512.0
32.5°	1527.0	1517.6	1508.2	1502.6	1508.2	1517.6	1527.0	1523.3	1483.8	1463.1	1466.8
35°	1455.6	1457.5	1455.6	1449.9	1455.6	1457.5	1455.6	1459.4	1434.9	1416.1	1414.2
37.5°	1404.8	1408.6	1406.6	1399.2	1406.6	1408.6	1404.8	1401.0	1367.2	1361.6	1365.3
40°	1352.1	1354.0	1352.1	1346.5	1352.1	1354.0	1352.1	1344.6	1297.7	1299.5	1312.6
42.5°	1301.4	1299.5	1293.8	1290.1	1293.8	1299.5	1301.4	1290.1	1229.9	1224.3	1248.7
45°	1243.1	1244.9	1233.6	1228.0	1233.6	1244.9	1243.1	1235.6	1173.5	1158.5	1175.4
47.5°	1184.7	1184.7	1175.4	1169.7	1175.4	1184.7	1184.7	1175.4	1109.6	1094.5	1103.9
50°	1122.7	1120.8	1107.6	1105.8	1107.6	1120.8	1122.7	1117.1	1047.5	1034.3	1034.3
52.5°	1051.3	1051.3	1053.1	1056.9	1053.1	1051.3	1051.3	1053.1	991.1	977.9	974.2
55°	989.2	991.1	1004.2	1008.0	1004.2	991.1	989.2	989.2	932.7	919.6	912.1
57.5°	925.3	925.3	934.6	934.6	934.6	925.3	925.3	921.5	866.9	855.6	851.9
60°	851.9	855.6	863.2	861.3	863.2	855.6	851.9	848.2	801.1	793.6	780.5
62.5°	774.8	778.6	780.5	776.6	780.5	778.6	774.8	763.6	735.3	729.6	712.7
65°	693.9	697.7	699.5	695.8	699.5	697.7	693.9	688.3	667.6	658.2	643.2
67.5°	611.2	609.3	607.5	614.9	607.5	609.3	611.2	603.6	590.5	583.0	562.3
70°	526.5	526.5	524.7	528.5	524.7	526.5	526.5	520.9	513.4	507.7	488.9
72.5°	436.3	434.5	441.9	436.3	441.9	434.5	436.3	434.5	430.6	425.0	406.2
75°	347.9	351.6	347.9	353.5	347.9	351.6	347.9	349.8	347.9	344.2	331.0
77.5°	265.2	268.9	265.2	265.2	265.2	268.9	265.2	267.0	267.0	267.0	255.7
80°	188.1	186.2	186.2	184.3	186.2	186.2	188.1	188.1	189.9	186.2	182.5
82.5°	120.4	118.5	118.5	122.3	118.5	118.5	120.4	122.3	118.5	118.5	118.5
85°	65.8	67.7	63.9	63.9	63.9	67.7	65.8	62.1	65.8	65.8	63.9
87.5°	24.5	22.5	22.5	22.5	22.5	22.5	24.5	26.4	26.4	26.4	28.2
90°	22.0	22.0	22.0	22.0	22.0	22.0	22.0	29.3	39.1	43.9	37.8
92.5°	109.8	105.4	88.0	70.5	88.0	105.4	109.8	155.6	216.8	247.3	217.1
95°	372.8	359.5	306.6	253.7	306.6	359.5	372.8	489.5	645.1	723.0	610.6
97.5°	860.6	835.4	734.7	634.0	734.7	835.4	860.6	934.3	1032.8	1081.9	894.5
100°	1208.5	1178.5	1058.6	938.6	1058.6	1178.5	1208.5	1203.1	1195.9	1192.3	984.3
102.5°	1505.5	1479.8	1377.1	1274.4	1377.1	1479.8	1505.5	1411.5	1286.2	1223.5	1012.7
105°	1852.3	1838.5	1783.3	1728.1	1783.3	1838.5	1852.3	1641.5	1360.6	1220.1	1015.8
107.5°	2032.7	2036.1	2049.3	2062.7	2049.3	2036.1	2032.7	1738.7	1346.7	1150.7	970.7
110°	2078.9	2093.3	2150.8	2208.3	2150.8	2093.3	2078.9	1750.2	1312.0	1093.0	930.6



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

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2049.4	2071.5	2159.9	2248.2	2159.9	2071.5	2049.4	1713.0	1264.6	1040.3	895.5
115°	1949.4	1980.1	2102.6	2225.2	2102.6	1980.1	1949.4	1625.4	1193.3	977.3	855.4
117.5°	1811.3	1845.2	1981.1	2117.0	1981.1	1845.2	1811.3	1518.8	1128.9	934.0	830.3
120°	1718.3	1751.3	1883.3	2015.3	1883.3	1751.3	1718.3	1451.0	1094.8	916.7	821.9
122.5°	1625.2	1657.7	1788.0	1918.2	1788.0	1657.7	1625.2	1384.6	1063.7	903.3	817.4
125°	1502.1	1532.1	1652.0	1772.0	1652.0	1532.1	1502.1	1297.7	1025.2	888.9	813.8
127.5°	1403.3	1428.6	1529.7	1631.0	1529.7	1428.6	1403.3	1227.7	993.8	876.8	811.6
130°	1340.8	1364.2	1457.8	1551.2	1457.8	1364.2	1340.8	1184.6	976.3	872.2	812.9
132.5°	1287.7	1308.6	1392.3	1476.1	1392.3	1308.6	1287.7	1147.8	961.3	868.1	813.8
135°	1212.6	1230.6	1302.8	1375.0	1302.8	1230.6	1212.6	1095.5	939.3	861.1	813.0
137.5°	1157.1	1171.8	1230.9	1290.0	1230.9	1171.8	1157.1	1058.1	926.0	860.0	818.1
140°	1112.6	1126.4	1181.6	1236.8	1181.6	1126.4	1112.6	1027.1	912.9	855.9	818.8
142.5°	1081.4	1093.2	1140.8	1188.3	1140.8	1093.2	1081.4	1006.2	906.0	855.9	821.8
145°	1034.5	1043.5	1079.5	1115.5	1079.5	1043.5	1034.5	973.1	891.1	850.2	821.8
147.5°	995.3	1002.8	1032.5	1062.3	1032.5	1002.8	995.3	947.0	882.5	850.2	827.5
150°	972.7	978.7	1002.8	1027.1	1002.8	978.7	972.7	931.8	877.4	850.2	830.4
152.5°	954.8	959.4	977.6	995.8	977.6	959.4	954.8	919.9	873.5	850.2	832.4
155°	933.4	936.4	948.5	960.6	948.5	936.4	933.4	905.6	868.7	850.2	836.6
157.5°	914.9	917.0	925.5	934.0	925.5	917.0	914.9	893.3	864.6	850.2	840.9
160°	905.6	906.9	911.8	916.7	911.8	906.9	905.6	887.1	862.5	850.2	842.7
162.5°	896.9	898.1	902.7	907.4	902.7	898.1	896.9	881.3	860.6	850.2	844.8
165°	883.7	884.9	889.8	894.7	889.8	884.9	883.7	872.5	857.7	850.2	847.8
167.5°	877.9	878.4	880.5	882.5	880.5	878.4	877.9	870.6	860.8	855.9	853.9
170°	877.9	877.9	877.9	877.9	877.9	877.9	877.9	870.6	860.8	855.9	855.8
172.5°	873.3	872.8	871.1	869.3	871.1	872.8	873.3	867.5	859.7	855.9	855.9
175°	866.9	866.9	866.9	866.9	866.9	866.9	866.9	863.3	858.3	855.9	857.0
177.5°	865.8	865.3	863.2	861.1	863.2	865.3	865.8	862.9	859.1	857.1	858.1
180°	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1987.7	1987.7	1987.7	1987.7	1987.7
2.5°	1963.3	1972.7	1978.4	1985.9	2004.7
5°	1888.1	1923.8	1935.1	1963.3	1997.2
7.5°	1722.7	1831.6	1861.7	1929.5	1982.1
10°	1562.7	1671.8	1724.5	1884.4	1963.3
12.5°	1481.9	1545.8	1581.6	1805.4	1937.0
15°	1431.1	1476.3	1502.6	1700.0	1906.9
17.5°	1391.6	1423.7	1442.4	1596.7	1865.6
20°	1367.2	1382.2	1399.2	1521.4	1818.6
22.5°	1350.3	1340.8	1354.0	1468.7	1754.6
25°	1339.0	1303.3	1318.3	1427.4	1679.4
27.5°	1348.4	1269.4	1275.0	1389.7	1600.4
30°	1350.3	1228.0	1229.9	1350.3	1512.0
32.5°	1337.1	1184.7	1186.6	1301.4	1412.3
35°	1305.1	1134.0	1132.1	1244.9	1276.9
37.5°	1261.9	1079.5	1079.5	1182.9	1128.4
40°	1209.2	1024.9	1030.6	1102.0	996.7
42.5°	1145.3	966.6	974.2	994.8	898.9
45°	1075.7	910.2	915.8	840.6	823.7
47.5°	998.5	851.9	853.8	697.7	799.3
50°	906.5	791.7	784.2	598.0	797.4
52.5°	825.5	725.9	703.4	541.6	724.0
55°	746.5	656.4	607.5	498.4	671.4
57.5°	677.0	566.1	519.0	447.5	660.1
60°	613.1	477.6	441.9	393.0	605.6
62.5°	560.4	411.8	404.4	355.5	549.1
65°	504.0	366.7	364.8	323.5	466.4
67.5°	449.5	336.6	334.7	293.4	355.5
70°	391.2	304.6	300.9	261.4	263.3
72.5°	331.0	268.9	265.2	235.1	218.2
75°	270.8	227.5	225.6	205.0	176.8
77.5°	212.6	180.5	184.3	165.5	129.7
80°	152.4	131.6	135.4	118.5	97.8
82.5°	101.5	86.6	90.3	75.2	65.8
85°	56.5	48.9	50.8	39.5	30.1
87.5°	26.4	22.5	22.5	15.0	9.4
90°	25.4	16.2	15.0	10.4	5.8
92.5°	156.8	111.5	101.7	62.3	23.1
95°	385.8	217.3	199.4	127.4	55.5
97.5°	519.8	238.7	222.8	159.4	95.9
100°	568.5	256.6	242.2	184.7	127.1
102.5°	590.8	274.5	261.1	207.4	153.8
105°	607.4	301.1	289.7	244.2	198.8
107.5°	610.5	340.4	329.9	287.4	245.1
110°	605.9	362.4	352.9	314.5	276.3



TEST NUMBER: P934229

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

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	606.1	388.9	379.8	343.3	306.9
115°	611.7	428.8	420.4	386.8	353.1
117.5°	623.0	467.5	459.9	429.3	398.7
120°	632.2	490.1	482.9	454.2	425.4
122.5°	645.6	516.7	509.4	480.4	451.4
125°	663.5	550.8	544.2	517.7	491.3
127.5°	681.4	583.7	577.1	550.4	523.6
130°	694.5	605.7	598.5	569.8	541.0
132.5°	705.1	623.6	616.4	587.6	558.9
135°	716.6	644.4	637.8	611.7	585.5
137.5°	734.0	671.0	664.6	638.6	612.6
140°	744.6	688.9	682.9	659.1	635.1
142.5°	753.5	702.2	696.7	674.6	652.5
145°	765.1	722.4	717.6	698.3	679.1
147.5°	782.0	747.9	743.2	724.4	705.7
150°	790.9	761.1	756.9	739.9	723.0
152.5°	796.6	769.8	766.6	753.7	740.9
155°	809.4	788.9	786.6	777.0	767.5
157.5°	822.1	808.0	805.6	796.5	787.2
160°	827.9	816.7	814.9	807.7	800.5
162.5°	834.0	825.9	824.6	819.2	813.8
165°	842.8	839.2	838.0	833.1	828.2
167.5°	849.7	846.7	846.1	843.8	841.5
170°	855.5	855.3	854.8	852.5	850.2
172.5°	855.9	855.9	855.8	855.3	854.8
175°	859.4	861.1	861.1	861.1	861.1
177.5°	859.8	861.1	861.1	861.1	861.1
180°	861.1	861.1	861.1	861.1	861.1



TEST NUMBER: P934229
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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	10.94	11.78	11.91	12.77	14.07	13.79	14.63	14.76	15.62	16.92
	3H	11.41	12.17	12.40	13.16	14.49	15.14	15.89	16.12	16.89	18.21
	4H	11.60	12.32	12.60	13.32	14.65	15.59	16.30	16.58	17.30	18.63
	6H	11.72	12.38	12.73	13.38	14.73	15.88	16.53	16.88	17.54	18.88
	8H	11.72	12.35	12.74	13.37	14.71	15.95	16.58	16.97	17.60	18.94
	12H	11.69	12.29	12.71	13.30	14.67	15.99	16.59	17.01	17.61	18.97
4H	2H	11.97	12.69	12.98	13.69	15.02	14.19	14.91	15.20	15.91	17.24
	3H	13.00	13.59	14.01	14.62	15.97	15.70	16.30	16.72	17.33	18.67
	4H	13.27	13.82	14.29	14.84	16.21	16.24	16.78	17.26	17.80	19.17
	6H	13.40	13.87	14.43	14.91	16.27	16.61	17.07	17.64	18.12	19.48
	8H	13.40	13.84	14.44	14.88	16.26	16.72	17.15	17.75	18.19	19.57
	12H	13.37	13.76	14.42	14.82	16.20	16.77	17.17	17.83	18.22	19.61
8H	4H	13.73	14.17	14.76	15.20	16.58	16.36	16.80	17.39	17.83	19.21
	6H	13.99	14.35	15.05	15.43	16.81	16.80	17.16	17.86	18.24	19.62
	8H	14.03	14.35	15.10	15.41	16.81	16.96	17.27	18.02	18.34	19.73
	12H	14.01	14.29	15.08	15.35	16.79	17.06	17.34	18.13	18.40	19.83
12H	4H	13.73	14.13	14.79	15.18	16.57	16.32	16.72	17.37	17.77	19.15
	6H	14.05	14.37	15.12	15.43	16.83	16.80	17.12	17.86	18.18	19.57
	8H	14.12	14.40	15.19	15.46	16.89	16.96	17.24	18.03	18.30	19.74