

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: P934256

Luminaire Tested: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-12-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934256
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-93050-1D-UNV-STD-W-12-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

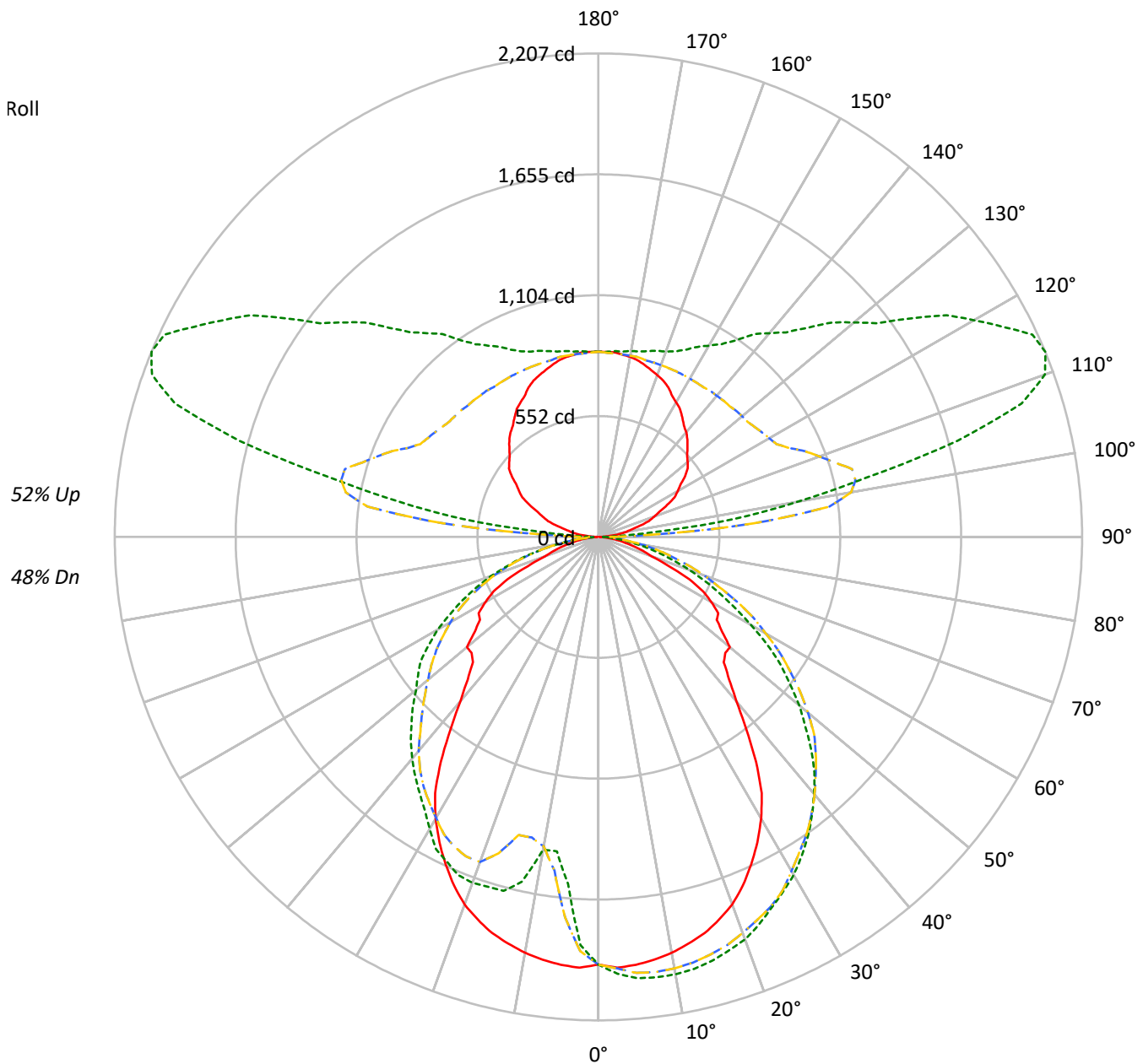
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10544.3 lumens
Efficiency: N/A
Efficacy: 123.8 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: 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°	6036	6036	6036	6036
5°	6084	6094	6084	4791
10°	6045	6002	6045	4291
15°	5982	5872	5982	4904
20°	5859	5718	5859	4914
25°	5605	5494	5605	4810
30°	5277	5307	5277	4581
35°	4706	5071	4706	4330
40°	3923	4793	3923	4140
45°	3508	4468	3508	3922
50°	3730	4080	3730	3702
55°	3513	3663	3513	3576
60°	3626	3111	3626	3275
65°	3292	2572	3292	2874
70°	2285	2049	2285	2410
75°	2011	1515	2011	1814
80°	1633	1002	1633	1091
85°	956	531	956	451

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5374 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.2	1.7
10°-20°	500.2	4.7
20°-30°	773.2	7.3
30°-40°	923.0	8.8
40°-50°	928.4	8.8
50°-60°	807.9	7.7
60°-70°	572.8	5.4
70°-80°	303.0	2.9
80°-90°	78.7	0.7
90°-100°	412.1	3.9
100°-110°	1083.5	10.3
110°-120°	1123.5	10.7
120°-130°	901.2	8.5
130°-140°	707.1	6.7
140°-150°	542.7	5.1
150°-160°	390.9	3.7
160°-170°	239.1	2.3
170°-180°	80.8	0.8
0°-30°	1449.5	13.7
0°-40°	2372.6	22.5
0°-60°	4108.9	39.0
0°-90°	5063.4	48.0
90°-120°	2619.1	24.8
90°-150°	4770.1	45.2
90°-180°	5481.0	52.0
0°-180°	10544.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1952	1952	1952	1952	1952	
5°	1961	2022	1961	1590	1961	186
15°	1872	2003	1872	1673	1872	527
25°	1649	1868	1649	1636	1649	757
35°	1254	1667	1254	1424	1254	776
45°	809	1374	809	1206	809	648
55°	659	1014	659	990	659	606
65°	458	611	458	683	458	438
75°	174	290	174	347	174	182
85°	30	74	30	63	30	40
90°	6	22	6	22	6	6
95°	54	249	54	249	54	60
105°	195	1697	195	1697	195	207
115°	347	2185	347	2185	347	342
125°	482	1740	482	1740	482	428
135°	575	1350	575	1350	575	445
145°	667	1095	667	1095	667	418
155°	754	943	754	943	754	346
165°	813	878	813	878	813	229
175°	846	851	846	851	846	80
180°	846	846	846	846	846	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6
2.5°	1968.2	1968.2	1979.3	1983.0	1983.0	1977.4	1971.9	1977.4	1994.1	1999.6	1997.7
5°	1960.8	1975.6	1995.9	1999.6	2003.3	2001.5	1997.7	2001.5	2019.9	2023.6	2025.4
7.5°	1946.1	1973.8	1999.6	2005.2	2010.7	2005.2	2003.3	2007.0	2025.4	2029.1	2029.1
10°	1927.6	1966.3	1995.9	1999.6	2005.2	1999.6	1999.6	2007.0	2025.4	2029.1	2031.0
12.5°	1901.7	1955.3	1983.0	1986.7	1994.1	1992.2	1990.4	1997.7	2016.3	2019.9	2019.9
15°	1872.2	1935.0	1960.8	1964.5	1977.4	1973.8	1973.8	1981.1	2001.5	2007.0	2005.2
17.5°	1831.6	1909.2	1938.7	1944.2	1953.5	1951.6	1953.5	1960.8	1979.3	1983.0	1984.9
20°	1785.5	1874.0	1909.2	1914.7	1923.9	1923.9	1923.9	1933.1	1951.6	1959.0	1959.0
22.5°	1722.7	1837.1	1874.0	1877.8	1888.8	1888.8	1892.6	1905.4	1922.0	1923.9	1923.9
25°	1648.8	1796.5	1827.9	1839.0	1850.1	1855.6	1861.2	1868.5	1874.0	1872.2	1874.0
27.5°	1571.3	1744.8	1785.5	1792.8	1807.6	1813.1	1820.5	1822.4	1824.2	1829.7	1826.0
30°	1484.5	1672.8	1733.7	1741.1	1765.1	1768.9	1761.4	1765.1	1774.4	1778.0	1781.7
32.5°	1386.6	1565.7	1680.2	1696.8	1718.9	1707.9	1706.0	1711.6	1726.4	1726.4	1730.0
35°	1253.7	1482.6	1630.4	1645.2	1661.8	1648.8	1656.2	1658.0	1667.3	1672.8	1670.9
37.5°	1107.8	1410.6	1578.6	1589.7	1602.7	1586.1	1597.1	1602.7	1610.0	1606.3	1606.3
40°	978.5	1298.0	1517.7	1525.1	1536.1	1523.3	1534.3	1538.1	1541.7	1538.1	1536.1
42.5°	882.5	1174.3	1453.1	1462.3	1454.9	1464.2	1467.9	1475.3	1469.7	1462.3	1462.3
45°	808.7	1141.1	1383.0	1394.0	1383.0	1397.7	1403.2	1403.2	1386.6	1383.0	1381.0
47.5°	784.7	1074.6	1312.8	1312.8	1307.3	1325.7	1334.9	1322.0	1305.4	1299.8	1299.8
50°	782.9	1000.7	1216.8	1209.3	1235.2	1257.3	1248.2	1235.2	1222.3	1202.0	1202.0
52.5°	710.8	910.3	1093.1	1120.8	1161.3	1174.3	1159.5	1146.6	1124.5	1115.2	1107.8
55°	659.2	816.1	980.4	1035.8	1078.3	1094.9	1067.2	1054.2	1021.0	1015.5	1011.9
57.5°	648.1	679.5	877.0	947.2	998.9	997.1	980.4	956.4	928.7	923.2	921.4
60°	594.6	491.2	766.3	849.3	902.8	897.3	882.5	860.4	834.6	830.9	827.2
62.5°	539.1	356.3	640.6	734.9	810.5	808.7	795.8	762.5	744.1	734.9	727.5
65°	457.9	299.1	456.1	611.2	720.1	723.8	696.1	672.1	651.7	640.6	638.8
67.5°	349.0	243.7	308.3	509.6	633.3	629.6	594.6	583.5	557.6	552.1	541.0
70°	258.5	162.5	214.2	413.6	548.4	539.1	511.4	498.5	474.5	461.6	454.2
72.5°	214.2	131.0	156.9	321.3	461.6	450.5	426.5	411.8	391.4	380.4	373.0
75°	173.5	138.5	120.0	238.1	374.8	367.4	345.2	330.5	313.9	299.1	300.9
77.5°	127.4	129.2	96.0	175.4	297.2	286.2	273.3	254.8	247.4	232.6	232.6
80°	96.0	101.6	72.0	120.0	214.2	214.2	203.1	190.1	177.2	169.9	169.9
82.5°	64.6	64.6	53.5	75.7	145.8	140.3	133.0	129.2	121.9	118.2	118.2
85°	29.5	36.9	33.2	46.2	79.4	83.1	83.1	79.4	77.5	73.9	75.7
87.5°	9.3	16.6	20.3	25.9	40.7	42.5	44.3	44.3	44.3	46.2	46.2
90°	5.7	10.2	14.8	15.9	25.0	37.1	43.1	38.4	28.7	21.6	21.6
92.5°	22.7	61.2	99.8	109.5	153.9	213.2	242.8	212.8	152.8	107.8	103.5
95°	54.5	125.1	195.7	213.4	378.8	599.5	709.8	633.4	480.6	366.0	352.9
97.5°	94.2	156.5	218.8	234.4	510.3	878.2	1062.2	1014.0	917.3	844.9	820.2
100°	124.8	181.3	237.8	251.9	558.1	966.4	1170.6	1174.1	1181.2	1186.5	1157.0
102.5°	151.0	203.6	256.3	269.5	580.1	994.2	1201.3	1262.7	1385.8	1478.1	1452.9
105°	195.2	239.8	284.4	295.6	596.3	997.4	1197.9	1335.8	1611.7	1818.6	1805.0
107.5°	240.6	282.2	323.9	334.2	599.4	953.0	1129.8	1322.2	1707.1	1995.7	1999.0
110°	271.3	308.8	346.4	355.8	594.8	913.7	1073.1	1288.2	1718.4	2041.0	2055.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	301.3	337.1	372.9	381.9	595.0	879.2	1021.4	1241.5	1681.9	2012.1	2033.8
115°	346.7	379.7	412.8	421.0	600.5	839.9	959.5	1171.6	1595.8	1913.9	1944.0
117.5°	391.5	421.5	451.5	459.0	611.6	815.2	917.0	1108.4	1491.2	1778.3	1811.6
120°	417.6	445.9	474.1	481.1	620.7	806.9	900.0	1074.9	1424.6	1687.0	1719.4
122.5°	443.2	471.7	500.1	507.3	633.9	802.5	886.9	1044.3	1359.4	1595.6	1627.5
125°	482.3	508.3	534.3	540.8	651.5	798.9	872.7	1006.5	1274.0	1474.7	1504.2
127.5°	514.1	540.3	566.6	573.1	669.0	796.8	860.8	975.7	1205.4	1377.7	1402.6
130°	531.2	559.4	587.6	594.7	681.8	798.1	856.3	958.5	1163.1	1316.4	1339.4
132.5°	548.7	577.0	605.2	612.3	692.3	798.9	852.3	943.8	1126.9	1264.2	1284.8
135°	574.8	600.5	626.2	632.7	703.6	798.2	845.5	922.2	1075.5	1190.5	1208.2
137.5°	601.5	627.0	652.5	658.8	720.7	803.2	844.4	909.2	1038.8	1136.0	1150.5
140°	623.6	647.1	670.5	676.3	731.0	803.9	840.3	896.3	1008.4	1092.3	1105.9
142.5°	640.6	662.3	684.0	689.5	739.8	806.8	840.3	889.5	987.9	1061.7	1073.3
145°	666.7	685.6	704.5	709.3	751.1	806.8	834.7	874.9	955.4	1015.7	1024.5
147.5°	692.9	711.2	729.7	734.2	767.7	812.4	834.7	866.4	929.7	977.2	984.5
150°	709.8	726.4	743.1	747.3	776.5	815.3	834.7	861.4	914.9	955.0	960.9
152.5°	727.5	740.0	752.7	755.8	782.2	817.2	834.7	857.6	903.2	937.4	941.9
155°	753.5	762.9	772.2	774.5	794.6	821.3	834.7	852.9	889.2	916.4	919.3
157.5°	772.9	782.0	791.0	793.3	807.1	825.6	834.7	848.9	877.0	898.2	900.4
160°	785.9	793.0	800.0	801.8	812.8	827.4	834.7	846.8	871.0	889.2	890.3
162.5°	798.9	804.3	809.6	810.9	818.9	829.4	834.7	844.9	865.3	880.6	881.7
165°	813.2	817.9	822.7	823.9	827.5	832.3	834.7	842.1	856.7	867.6	868.8
167.5°	826.2	828.4	830.7	831.2	834.3	838.3	840.3	845.1	854.7	861.9	862.4
170°	834.7	836.9	839.2	839.8	840.0	840.2	840.3	845.1	854.7	861.9	861.9
172.5°	839.2	839.7	840.2	840.3	840.3	840.3	840.3	844.1	851.7	857.4	856.9
175°	845.5	845.5	845.5	845.5	843.7	841.4	840.3	842.7	847.6	851.2	851.2
177.5°	845.5	845.5	845.5	845.5	844.2	842.4	841.5	843.5	847.2	850.1	849.5
180°	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6
2.5°	2001.5	1995.9	2001.5	1997.7	1999.6	1994.1	1977.4	1971.9	1977.4	1983.0	1983.0
5°	2025.4	2021.8	2025.4	2025.4	2023.6	2019.9	2001.5	1997.7	2001.5	2003.3	1999.6
7.5°	2032.9	2027.3	2032.9	2029.1	2029.1	2025.4	2007.0	2003.3	2005.2	2010.7	2005.2
10°	2032.9	2027.3	2032.9	2031.0	2029.1	2025.4	2007.0	1999.6	1999.6	2005.2	1999.6
12.5°	2023.6	2019.9	2023.6	2019.9	2019.9	2016.3	1997.7	1990.4	1992.2	1994.1	1986.7
15°	2008.8	2003.3	2008.8	2005.2	2007.0	2001.5	1981.1	1973.8	1973.8	1977.4	1964.5
17.5°	1986.7	1979.3	1986.7	1984.9	1983.0	1979.3	1960.8	1953.5	1951.6	1953.5	1944.2
20°	1960.8	1955.3	1960.8	1959.0	1959.0	1951.6	1933.1	1923.9	1923.9	1923.9	1914.7
22.5°	1920.2	1914.7	1920.2	1923.9	1923.9	1922.0	1905.4	1892.6	1888.8	1888.8	1877.8
25°	1874.0	1868.5	1874.0	1874.0	1872.2	1874.0	1868.5	1861.2	1855.6	1850.1	1839.0
27.5°	1829.7	1826.0	1829.7	1826.0	1829.7	1824.2	1822.4	1820.5	1813.1	1807.6	1792.8
30°	1785.5	1781.7	1785.5	1781.7	1778.0	1774.4	1765.1	1761.4	1768.9	1765.1	1741.1
32.5°	1730.0	1726.4	1730.0	1730.0	1726.4	1726.4	1711.6	1706.0	1707.9	1718.9	1696.8
35°	1672.8	1667.3	1672.8	1670.9	1672.8	1667.3	1658.0	1656.2	1648.8	1661.8	1645.2
37.5°	1606.3	1600.8	1606.3	1606.3	1606.3	1610.0	1602.7	1597.1	1586.1	1602.7	1589.7
40°	1538.1	1530.6	1538.1	1536.1	1538.1	1541.7	1538.1	1534.3	1523.3	1536.1	1525.1
42.5°	1460.5	1458.6	1460.5	1462.3	1462.3	1469.7	1475.3	1467.9	1464.2	1454.9	1462.3
45°	1377.4	1373.7	1377.4	1381.0	1383.0	1386.6	1403.2	1403.2	1397.7	1383.0	1394.0
47.5°	1288.7	1279.5	1288.7	1299.8	1299.8	1305.4	1322.0	1334.9	1325.7	1307.3	1312.8
50°	1194.6	1196.4	1194.6	1202.0	1202.0	1222.3	1235.2	1248.2	1257.3	1235.2	1209.3
52.5°	1102.2	1100.4	1102.2	1107.8	1115.2	1124.5	1146.6	1159.5	1174.3	1161.3	1120.8
55°	1009.9	1013.7	1009.9	1011.9	1015.5	1021.0	1054.2	1067.2	1094.9	1078.3	1035.8
57.5°	917.6	912.1	917.6	921.4	923.2	928.7	956.4	980.4	997.1	998.9	947.2
60°	810.5	803.2	810.5	827.2	830.9	834.6	860.4	882.5	897.3	902.8	849.3
62.5°	716.4	703.5	716.4	727.5	734.9	744.1	762.5	795.8	808.7	810.5	734.9
65°	616.7	611.2	616.7	638.8	640.6	651.7	672.1	696.1	723.8	720.1	611.2
67.5°	526.2	526.2	526.2	541.0	552.1	557.6	583.5	594.6	629.6	633.3	509.6
70°	443.2	441.3	443.2	454.2	461.6	474.5	498.5	511.4	539.1	548.4	413.6
72.5°	363.8	361.8	363.8	373.0	380.4	391.4	411.8	426.5	450.5	461.6	321.3
75°	293.6	289.9	293.6	300.9	299.1	313.9	330.5	345.2	367.4	374.8	238.1
77.5°	225.3	225.3	225.3	232.6	232.6	247.4	254.8	273.3	286.2	297.2	175.4
80°	168.0	166.2	168.0	169.9	169.9	177.2	190.1	203.1	214.2	214.2	120.0
82.5°	118.2	114.4	118.2	118.2	118.2	121.9	129.2	133.0	140.3	145.8	75.7
85°	73.9	73.9	73.9	75.7	73.9	77.5	79.4	83.1	83.1	79.4	46.2
87.5°	48.0	46.2	48.0	46.2	46.2	44.3	44.3	44.3	42.5	40.7	25.9
90°	21.6	21.6	21.6	21.6	21.6	28.7	38.4	43.1	37.1	25.0	15.9
92.5°	86.4	69.2	86.4	103.5	107.8	152.8	212.8	242.8	213.2	153.9	109.5
95°	301.0	249.1	301.0	352.9	366.0	480.6	633.4	709.8	599.5	378.8	213.4
97.5°	721.3	622.5	721.3	820.2	844.9	917.3	1014.0	1062.2	878.2	510.3	234.4
100°	1039.3	921.5	1039.3	1157.0	1186.5	1181.2	1174.1	1170.6	966.4	558.1	251.9
102.5°	1352.0	1251.2	1352.0	1452.9	1478.1	1385.8	1262.7	1201.3	994.2	580.1	269.5
105°	1750.9	1696.6	1750.9	1805.0	1818.6	1611.7	1335.8	1197.9	997.4	596.3	295.6
107.5°	2012.0	2025.2	2012.0	1999.0	1995.7	1707.1	1322.2	1129.8	953.0	599.4	334.2
110°	2111.6	2168.1	2111.6	2055.2	2041.0	1718.4	1288.2	1073.1	913.7	594.8	355.8



TEST NUMBER: P934256

CATALOG NUMBER: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2120.6	2207.3	2120.6	2033.8	2012.1	1681.9	1241.5	1021.4	879.2	595.0	381.9
115°	2064.4	2184.7	2064.4	1944.0	1913.9	1595.8	1171.6	959.5	839.9	600.5	421.0
117.5°	1945.1	2078.5	1945.1	1811.6	1778.3	1491.2	1108.4	917.0	815.2	611.6	459.0
120°	1849.1	1978.6	1849.1	1719.4	1687.0	1424.6	1074.9	900.0	806.9	620.7	481.1
122.5°	1755.5	1883.3	1755.5	1627.5	1595.6	1359.4	1044.3	886.9	802.5	633.9	507.3
125°	1621.9	1739.8	1621.9	1504.2	1474.7	1274.0	1006.5	872.7	798.9	651.5	540.8
127.5°	1501.9	1601.3	1501.9	1402.6	1377.7	1205.4	975.7	860.8	796.8	669.0	573.1
130°	1431.2	1523.0	1431.2	1339.4	1316.4	1163.1	958.5	856.3	798.1	681.8	594.7
132.5°	1367.0	1449.2	1367.0	1284.8	1264.2	1126.9	943.8	852.3	798.9	692.3	612.3
135°	1279.1	1349.9	1279.1	1208.2	1190.5	1075.5	922.2	845.5	798.2	703.6	632.7
137.5°	1208.5	1266.5	1208.5	1150.5	1136.0	1038.8	909.2	844.4	803.2	720.7	658.8
140°	1160.1	1214.3	1160.1	1105.9	1092.3	1008.4	896.3	840.3	803.9	731.0	676.3
142.5°	1120.0	1166.7	1120.0	1073.3	1061.7	987.9	889.5	840.3	806.8	739.8	689.5
145°	1059.8	1095.2	1059.8	1024.5	1015.7	955.4	874.9	834.7	806.8	751.1	709.3
147.5°	1013.7	1043.0	1013.7	984.5	977.2	929.7	866.4	834.7	812.4	767.7	734.2
150°	984.6	1008.4	984.6	960.9	955.0	914.9	861.4	834.7	815.3	776.5	747.3
152.5°	959.8	977.7	959.8	941.9	937.4	903.2	857.6	834.7	817.2	782.2	755.8
155°	931.3	943.1	931.3	919.3	916.4	889.2	852.9	834.7	821.3	794.6	774.5
157.5°	908.6	917.0	908.6	900.4	898.2	877.0	848.9	834.7	825.6	807.1	793.3
160°	895.2	900.0	895.2	890.3	889.2	871.0	846.8	834.7	827.4	812.8	801.8
162.5°	886.3	890.9	886.3	881.7	880.6	865.3	844.9	834.7	829.4	818.9	810.9
165°	873.6	878.4	873.6	868.8	867.6	856.7	842.1	834.7	832.3	827.5	823.9
167.5°	864.5	866.5	864.5	862.4	861.9	854.7	845.1	840.3	838.3	834.3	831.2
170°	861.9	861.9	861.9	861.9	861.9	854.7	845.1	840.3	840.2	840.0	839.8
172.5°	855.2	853.5	855.2	856.9	857.4	851.7	844.1	840.3	840.3	840.3	840.3
175°	851.2	851.2	851.2	851.2	851.2	847.6	842.7	840.3	841.4	843.7	845.5
177.5°	847.5	845.5	847.5	849.5	850.1	847.2	843.5	841.5	842.4	844.2	845.5
180°	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5



TEST NUMBER: P934256

CATALOG NUMBER: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6
2.5°	1979.3	1968.2	1968.2	1949.7	1942.4	1936.8	1927.6	1899.9	1892.6	1885.1	1896.2
5°	1995.9	1975.6	1960.8	1927.6	1899.9	1888.8	1853.7	1787.3	1743.0	1709.8	1691.3
7.5°	1999.6	1973.8	1946.1	1894.4	1827.9	1798.3	1691.3	1569.4	1536.1	1506.7	1488.1
10°	1995.9	1966.3	1927.6	1850.1	1693.1	1641.4	1534.3	1454.9	1434.6	1429.1	1434.6
12.5°	1983.0	1955.3	1901.7	1772.5	1552.8	1517.7	1454.9	1408.8	1405.1	1414.4	1464.2
15°	1960.8	1935.0	1872.2	1669.1	1475.3	1449.4	1405.1	1388.5	1408.8	1473.4	1622.9
17.5°	1938.7	1909.2	1831.6	1567.6	1416.2	1397.7	1366.3	1399.6	1514.0	1600.8	1650.7
20°	1909.2	1874.0	1785.5	1493.7	1373.7	1357.1	1342.3	1491.9	1578.6	1610.0	1637.7
22.5°	1874.0	1837.1	1722.7	1442.0	1329.4	1316.4	1325.7	1543.6	1578.6	1600.8	1624.8
25°	1827.9	1796.5	1648.8	1401.4	1294.3	1279.5	1314.6	1538.1	1558.3	1563.8	1611.8
27.5°	1785.5	1744.8	1571.3	1364.4	1251.8	1246.3	1323.9	1514.0	1528.8	1534.3	1586.1
30°	1733.7	1672.8	1484.5	1325.7	1207.5	1205.7	1325.7	1484.5	1480.8	1495.6	1547.2
32.5°	1680.2	1565.7	1386.6	1277.7	1165.0	1163.2	1312.8	1440.1	1436.5	1456.7	1495.6
35°	1630.4	1482.6	1253.7	1222.3	1111.5	1113.3	1281.4	1388.5	1390.3	1408.8	1432.8
37.5°	1578.6	1410.6	1107.8	1161.3	1059.8	1059.8	1238.9	1340.5	1336.8	1342.3	1375.5
40°	1517.7	1298.0	978.5	1082.0	1011.9	1006.3	1187.2	1288.7	1275.9	1274.0	1320.1
42.5°	1453.1	1174.3	882.5	976.7	956.4	949.0	1124.5	1225.9	1202.0	1207.5	1266.6
45°	1383.0	1141.1	808.7	825.3	899.2	893.7	1056.1	1154.0	1137.4	1152.2	1213.1
47.5°	1312.8	1074.6	784.7	685.0	838.2	836.4	980.4	1083.8	1074.6	1089.4	1154.0
50°	1216.8	1000.7	782.9	587.1	769.9	777.3	890.0	1015.5	1015.5	1028.5	1096.7
52.5°	1093.1	910.3	710.8	531.7	690.6	712.7	810.5	956.4	960.1	973.0	1034.0
55°	980.4	816.1	659.2	489.3	596.4	644.4	733.0	895.5	902.8	915.8	971.2
57.5°	877.0	679.5	648.1	439.4	509.6	555.8	664.7	836.4	840.1	851.2	904.8
60°	766.3	491.2	594.6	385.9	433.9	468.9	601.9	766.3	779.1	786.6	832.7
62.5°	640.6	356.3	539.1	349.0	397.0	404.3	550.2	699.7	716.4	722.0	749.7
65°	456.1	299.1	457.9	317.6	358.2	360.0	494.8	631.5	646.2	655.4	675.8
67.5°	308.3	243.7	349.0	288.1	328.6	330.5	441.3	552.1	572.4	579.8	592.6
70°	214.2	162.5	258.5	256.7	295.4	299.1	384.1	480.0	498.5	504.1	511.4
72.5°	156.9	131.0	214.2	230.8	260.4	264.0	325.0	398.8	417.3	422.8	426.5
75°	120.0	138.5	173.5	201.3	221.5	223.4	265.9	325.0	337.9	341.6	343.4
77.5°	96.0	129.2	127.4	162.5	181.0	177.2	208.7	251.1	262.2	262.2	262.2
80°	72.0	101.6	96.0	116.4	133.0	129.2	149.6	179.1	182.8	186.5	184.6
82.5°	53.5	64.6	64.6	73.9	88.6	85.0	99.7	116.4	116.4	116.4	120.0
85°	33.2	36.9	29.5	38.8	49.8	48.0	55.4	62.8	64.6	64.6	60.9
87.5°	20.3	16.6	9.3	14.8	22.1	22.1	25.9	27.7	25.9	25.9	25.9
90°	14.8	10.2	5.7	10.2	14.8	15.9	25.0	37.1	43.1	38.4	28.7
92.5°	99.8	61.2	22.7	61.2	99.8	109.5	153.9	213.2	242.8	212.8	152.8
95°	195.7	125.1	54.5	125.1	195.7	213.4	378.8	599.5	709.8	633.4	480.6
97.5°	218.8	156.5	94.2	156.5	218.8	234.4	510.3	878.2	1062.2	1014.0	917.3
100°	237.8	181.3	124.8	181.3	237.8	251.9	558.1	966.4	1170.6	1174.1	1181.2
102.5°	256.3	203.6	151.0	203.6	256.3	269.5	580.1	994.2	1201.3	1262.7	1385.8
105°	284.4	239.8	195.2	239.8	284.4	295.6	596.3	997.4	1197.9	1335.8	1611.7
107.5°	323.9	282.2	240.6	282.2	323.9	334.2	599.4	953.0	1129.8	1322.2	1707.1
110°	346.4	308.8	271.3	308.8	346.4	355.8	594.8	913.7	1073.1	1288.2	1718.4



TEST NUMBER: P934256

CATALOG NUMBER: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	372.9	337.1	301.3	337.1	372.9	381.9	595.0	879.2	1021.4	1241.5	1681.9
115°	412.8	379.7	346.7	379.7	412.8	421.0	600.5	839.9	959.5	1171.6	1595.8
117.5°	451.5	421.5	391.5	421.5	451.5	459.0	611.6	815.2	917.0	1108.4	1491.2
120°	474.1	445.9	417.6	445.9	474.1	481.1	620.7	806.9	900.0	1074.9	1424.6
122.5°	500.1	471.7	443.2	471.7	500.1	507.3	633.9	802.5	886.9	1044.3	1359.4
125°	534.3	508.3	482.3	508.3	534.3	540.8	651.5	798.9	872.7	1006.5	1274.0
127.5°	566.6	540.3	514.1	540.3	566.6	573.1	669.0	796.8	860.8	975.7	1205.4
130°	587.6	559.4	531.2	559.4	587.6	594.7	681.8	798.1	856.3	958.5	1163.1
132.5°	605.2	577.0	548.7	577.0	605.2	612.3	692.3	798.9	852.3	943.8	1126.9
135°	626.2	600.5	574.8	600.5	626.2	632.7	703.6	798.2	845.5	922.2	1075.5
137.5°	652.5	627.0	601.5	627.0	652.5	658.8	720.7	803.2	844.4	909.2	1038.8
140°	670.5	647.1	623.6	647.1	670.5	676.3	731.0	803.9	840.3	896.3	1008.4
142.5°	684.0	662.3	640.6	662.3	684.0	689.5	739.8	806.8	840.3	889.5	987.9
145°	704.5	685.6	666.7	685.6	704.5	709.3	751.1	806.8	834.7	874.9	955.4
147.5°	729.7	711.2	692.9	711.2	729.7	734.2	767.7	812.4	834.7	866.4	929.7
150°	743.1	726.4	709.8	726.4	743.1	747.3	776.5	815.3	834.7	861.4	914.9
152.5°	752.7	740.0	727.5	740.0	752.7	755.8	782.2	817.2	834.7	857.6	903.2
155°	772.2	762.9	753.5	762.9	772.2	774.5	794.6	821.3	834.7	852.9	889.2
157.5°	791.0	782.0	772.9	782.0	791.0	793.3	807.1	825.6	834.7	848.9	877.0
160°	800.0	793.0	785.9	793.0	800.0	801.8	812.8	827.4	834.7	846.8	871.0
162.5°	809.6	804.3	798.9	804.3	809.6	810.9	818.9	829.4	834.7	844.9	865.3
165°	822.7	817.9	813.2	817.9	822.7	823.9	827.5	832.3	834.7	842.1	856.7
167.5°	830.7	828.4	826.2	828.4	830.7	831.2	834.3	838.3	840.3	845.1	854.7
170°	839.2	836.9	834.7	836.9	839.2	839.8	840.0	840.2	840.3	845.1	854.7
172.5°	840.2	839.7	839.2	839.7	840.2	840.3	840.3	840.3	840.3	844.1	851.7
175°	845.5	845.5	845.5	845.5	845.5	845.5	843.7	841.4	840.3	842.7	847.6
177.5°	845.5	845.5	845.5	845.5	845.5	845.5	844.2	842.4	841.5	843.5	847.2
180°	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5



TEST NUMBER: P934256
 CATALOG NUMBER: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6
2.5°	1883.3	1877.8	1885.1	1864.8	1885.1	1877.8	1883.3	1896.2	1885.1	1892.6	1899.9
5°	1652.5	1643.2	1613.8	1589.7	1613.8	1643.2	1652.5	1691.3	1709.8	1743.0	1787.3
7.5°	1477.1	1469.7	1462.3	1447.6	1462.3	1469.7	1477.1	1488.1	1506.7	1536.1	1569.4
10°	1438.3	1440.1	1451.2	1449.4	1451.2	1440.1	1438.3	1434.6	1429.1	1434.6	1454.9
12.5°	1538.1	1554.7	1615.6	1611.8	1615.6	1554.7	1538.1	1464.2	1414.4	1405.1	1408.8
15°	1652.5	1658.0	1670.9	1672.8	1670.9	1658.0	1652.5	1622.9	1473.4	1408.8	1388.5
17.5°	1663.6	1665.4	1674.6	1674.6	1674.6	1665.4	1663.6	1650.7	1600.8	1514.0	1399.6
20°	1654.3	1658.0	1676.5	1680.2	1676.5	1658.0	1654.3	1637.7	1610.0	1578.6	1491.9
22.5°	1650.7	1658.0	1672.8	1670.9	1672.8	1658.0	1650.7	1624.8	1600.8	1578.6	1543.6
25°	1632.2	1632.2	1634.0	1635.9	1634.0	1632.2	1632.2	1611.8	1563.8	1558.3	1538.1
27.5°	1593.4	1597.1	1608.2	1606.3	1608.2	1597.1	1593.4	1586.1	1534.3	1528.8	1514.0
30°	1558.3	1554.7	1545.4	1538.1	1545.4	1554.7	1558.3	1547.2	1495.6	1480.8	1484.5
32.5°	1499.2	1490.0	1480.8	1475.3	1480.8	1490.0	1499.2	1495.6	1456.7	1436.5	1440.1
35°	1429.1	1431.0	1429.1	1423.5	1429.1	1431.0	1429.1	1432.8	1408.8	1390.3	1388.5
37.5°	1379.2	1383.0	1381.0	1373.7	1381.0	1383.0	1379.2	1375.5	1342.3	1336.8	1340.5
40°	1327.5	1329.4	1327.5	1322.0	1327.5	1329.4	1327.5	1320.1	1274.0	1275.9	1288.7
42.5°	1277.7	1275.9	1270.3	1266.6	1270.3	1275.9	1277.7	1266.6	1207.5	1202.0	1225.9
45°	1220.4	1222.3	1211.2	1205.7	1211.2	1222.3	1220.4	1213.1	1152.2	1137.4	1154.0
47.5°	1163.2	1163.2	1154.0	1148.4	1154.0	1163.2	1163.2	1154.0	1089.4	1074.6	1083.8
50°	1102.2	1100.4	1087.5	1085.6	1087.5	1100.4	1102.2	1096.7	1028.5	1015.5	1015.5
52.5°	1032.1	1032.1	1034.0	1037.6	1034.0	1032.1	1032.1	1034.0	973.0	960.1	956.4
55°	971.2	973.0	986.0	989.6	986.0	973.0	971.2	971.2	915.8	902.8	895.5
57.5°	908.4	908.4	917.6	917.6	917.6	908.4	908.4	904.8	851.2	840.1	836.4
60°	836.4	840.1	847.5	845.7	847.5	840.1	836.4	832.7	786.6	779.1	766.3
62.5°	760.7	764.4	766.3	762.5	766.3	764.4	760.7	749.7	722.0	716.4	699.7
65°	681.3	685.0	686.8	683.1	686.8	685.0	681.3	675.8	655.4	646.2	631.5
67.5°	600.1	598.2	596.4	603.8	596.4	598.2	600.1	592.6	579.8	572.4	552.1
70°	516.9	516.9	515.1	518.9	515.1	516.9	516.9	511.4	504.1	498.5	480.0
72.5°	428.4	426.5	433.9	428.4	433.9	426.5	428.4	426.5	422.8	417.3	398.8
75°	341.6	345.2	341.6	347.1	341.6	345.2	341.6	343.4	341.6	337.9	325.0
77.5°	260.4	264.0	260.4	260.4	260.4	264.0	260.4	262.2	262.2	262.2	251.1
80°	184.6	182.8	182.8	181.0	182.8	182.8	184.6	184.6	186.5	182.8	179.1
82.5°	118.2	116.4	116.4	120.0	116.4	116.4	118.2	120.0	116.4	116.4	116.4
85°	64.6	66.4	62.8	62.8	62.8	66.4	64.6	60.9	64.6	64.6	62.8
87.5°	24.0	22.1	22.1	22.1	22.1	22.1	24.0	25.9	25.9	25.9	27.7
90°	21.6	21.6	21.6	21.6	21.6	21.6	21.6	28.7	38.4	43.1	37.1
92.5°	107.8	103.5	86.4	69.2	86.4	103.5	107.8	152.8	212.8	242.8	213.2
95°	366.0	352.9	301.0	249.1	301.0	352.9	366.0	480.6	633.4	709.8	599.5
97.5°	844.9	820.2	721.3	622.5	721.3	820.2	844.9	917.3	1014.0	1062.2	878.2
100°	1186.5	1157.0	1039.3	921.5	1039.3	1157.0	1186.5	1181.2	1174.1	1170.6	966.4
102.5°	1478.1	1452.9	1352.0	1251.2	1352.0	1452.9	1478.1	1385.8	1262.7	1201.3	994.2
105°	1818.6	1805.0	1750.9	1696.6	1750.9	1805.0	1818.6	1611.7	1335.8	1197.9	997.4
107.5°	1995.7	1999.0	2012.0	2025.2	2012.0	1999.0	1995.7	1707.1	1322.2	1129.8	953.0
110°	2041.0	2055.2	2111.6	2168.1	2111.6	2055.2	2041.0	1718.4	1288.2	1073.1	913.7



TEST NUMBER: P934256

CATALOG NUMBER: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2012.1	2033.8	2120.6	2207.3	2120.6	2033.8	2012.1	1681.9	1241.5	1021.4	879.2
115°	1913.9	1944.0	2064.4	2184.7	2064.4	1944.0	1913.9	1595.8	1171.6	959.5	839.9
117.5°	1778.3	1811.6	1945.1	2078.5	1945.1	1811.6	1778.3	1491.2	1108.4	917.0	815.2
120°	1687.0	1719.4	1849.1	1978.6	1849.1	1719.4	1687.0	1424.6	1074.9	900.0	806.9
122.5°	1595.6	1627.5	1755.5	1883.3	1755.5	1627.5	1595.6	1359.4	1044.3	886.9	802.5
125°	1474.7	1504.2	1621.9	1739.8	1621.9	1504.2	1474.7	1274.0	1006.5	872.7	798.9
127.5°	1377.7	1402.6	1501.9	1601.3	1501.9	1402.6	1377.7	1205.4	975.7	860.8	796.8
130°	1316.4	1339.4	1431.2	1523.0	1431.2	1339.4	1316.4	1163.1	958.5	856.3	798.1
132.5°	1264.2	1284.8	1367.0	1449.2	1367.0	1284.8	1264.2	1126.9	943.8	852.3	798.9
135°	1190.5	1208.2	1279.1	1349.9	1279.1	1208.2	1190.5	1075.5	922.2	845.5	798.2
137.5°	1136.0	1150.5	1208.5	1266.5	1208.5	1150.5	1136.0	1038.8	909.2	844.4	803.2
140°	1092.3	1105.9	1160.1	1214.3	1160.1	1105.9	1092.3	1008.4	896.3	840.3	803.9
142.5°	1061.7	1073.3	1120.0	1166.7	1120.0	1073.3	1061.7	987.9	889.5	840.3	806.8
145°	1015.7	1024.5	1059.8	1095.2	1059.8	1024.5	1015.7	955.4	874.9	834.7	806.8
147.5°	977.2	984.5	1013.7	1043.0	1013.7	984.5	977.2	929.7	866.4	834.7	812.4
150°	955.0	960.9	984.6	1008.4	984.6	960.9	955.0	914.9	861.4	834.7	815.3
152.5°	937.4	941.9	959.8	977.7	959.8	941.9	937.4	903.2	857.6	834.7	817.2
155°	916.4	919.3	931.3	943.1	931.3	919.3	916.4	889.2	852.9	834.7	821.3
157.5°	898.2	900.4	908.6	917.0	908.6	900.4	898.2	877.0	848.9	834.7	825.6
160°	889.2	890.3	895.2	900.0	895.2	890.3	889.2	871.0	846.8	834.7	827.4
162.5°	880.6	881.7	886.3	890.9	886.3	881.7	880.6	865.3	844.9	834.7	829.4
165°	867.6	868.8	873.6	878.4	873.6	868.8	867.6	856.7	842.1	834.7	832.3
167.5°	861.9	862.4	864.5	866.5	864.5	862.4	861.9	854.7	845.1	840.3	838.3
170°	861.9	861.9	861.9	861.9	861.9	861.9	861.9	854.7	845.1	840.3	840.2
172.5°	857.4	856.9	855.2	853.5	855.2	856.9	857.4	851.7	844.1	840.3	840.3
175°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	847.6	842.7	840.3	841.4
177.5°	850.1	849.5	847.5	845.5	847.5	849.5	850.1	847.2	843.5	841.5	842.4
180°	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5



TEST NUMBER: P934256

CATALOG NUMBER: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1951.6	1951.6	1951.6	1951.6	1951.6
2.5°	1927.6	1936.8	1942.4	1949.7	1968.2
5°	1853.7	1888.8	1899.9	1927.6	1960.8
7.5°	1691.3	1798.3	1827.9	1894.4	1946.1
10°	1534.3	1641.4	1693.1	1850.1	1927.6
12.5°	1454.9	1517.7	1552.8	1772.5	1901.7
15°	1405.1	1449.4	1475.3	1669.1	1872.2
17.5°	1366.3	1397.7	1416.2	1567.6	1831.6
20°	1342.3	1357.1	1373.7	1493.7	1785.5
22.5°	1325.7	1316.4	1329.4	1442.0	1722.7
25°	1314.6	1279.5	1294.3	1401.4	1648.8
27.5°	1323.9	1246.3	1251.8	1364.4	1571.3
30°	1325.7	1205.7	1207.5	1325.7	1484.5
32.5°	1312.8	1163.2	1165.0	1277.7	1386.6
35°	1281.4	1113.3	1111.5	1222.3	1253.7
37.5°	1238.9	1059.8	1059.8	1161.3	1107.8
40°	1187.2	1006.3	1011.9	1082.0	978.5
42.5°	1124.5	949.0	956.4	976.7	882.5
45°	1056.1	893.7	899.2	825.3	808.7
47.5°	980.4	836.4	838.2	685.0	784.7
50°	890.0	777.3	769.9	587.1	782.9
52.5°	810.5	712.7	690.6	531.7	710.8
55°	733.0	644.4	596.4	489.3	659.2
57.5°	664.7	555.8	509.6	439.4	648.1
60°	601.9	468.9	433.9	385.9	594.6
62.5°	550.2	404.3	397.0	349.0	539.1
65°	494.8	360.0	358.2	317.6	457.9
67.5°	441.3	330.5	328.6	288.1	349.0
70°	384.1	299.1	295.4	256.7	258.5
72.5°	325.0	264.0	260.4	230.8	214.2
75°	265.9	223.4	221.5	201.3	173.5
77.5°	208.7	177.2	181.0	162.5	127.4
80°	149.6	129.2	133.0	116.4	96.0
82.5°	99.7	85.0	88.6	73.9	64.6
85°	55.4	48.0	49.8	38.8	29.5
87.5°	25.9	22.1	22.1	14.8	9.3
90°	25.0	15.9	14.8	10.2	5.7
92.5°	153.9	109.5	99.8	61.2	22.7
95°	378.8	213.4	195.7	125.1	54.5
97.5°	510.3	234.4	218.8	156.5	94.2
100°	558.1	251.9	237.8	181.3	124.8
102.5°	580.1	269.5	256.3	203.6	151.0
105°	596.3	295.6	284.4	239.8	195.2
107.5°	599.4	334.2	323.9	282.2	240.6
110°	594.8	355.8	346.4	308.8	271.3



TEST NUMBER: P934256

CATALOG NUMBER: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	595.0	381.9	372.9	337.1	301.3
115°	600.5	421.0	412.8	379.7	346.7
117.5°	611.6	459.0	451.5	421.5	391.5
120°	620.7	481.1	474.1	445.9	417.6
122.5°	633.9	507.3	500.1	471.7	443.2
125°	651.5	540.8	534.3	508.3	482.3
127.5°	669.0	573.1	566.6	540.3	514.1
130°	681.8	594.7	587.6	559.4	531.2
132.5°	692.3	612.3	605.2	577.0	548.7
135°	703.6	632.7	626.2	600.5	574.8
137.5°	720.7	658.8	652.5	627.0	601.5
140°	731.0	676.3	670.5	647.1	623.6
142.5°	739.8	689.5	684.0	662.3	640.6
145°	751.1	709.3	704.5	685.6	666.7
147.5°	767.7	734.2	729.7	711.2	692.9
150°	776.5	747.3	743.1	726.4	709.8
152.5°	782.2	755.8	752.7	740.0	727.5
155°	794.6	774.5	772.2	762.9	753.5
157.5°	807.1	793.3	791.0	782.0	772.9
160°	812.8	801.8	800.0	793.0	785.9
162.5°	818.9	810.9	809.6	804.3	798.9
165°	827.5	823.9	822.7	817.9	813.2
167.5°	834.3	831.2	830.7	828.4	826.2
170°	840.0	839.8	839.2	836.9	834.7
172.5°	840.3	840.3	840.2	839.7	839.2
175°	843.7	845.5	845.5	845.5	845.5
177.5°	844.2	845.5	845.5	845.5	845.5
180°	845.5	845.5	845.5	845.5	845.5



TEST NUMBER: P934256
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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	10.87	11.72	11.85	12.70	14.00	13.72	14.57	14.70	15.56	16.85
	3H	11.35	12.10	12.33	13.10	14.42	15.07	15.83	16.06	16.83	18.15
	4H	11.54	12.25	12.54	13.25	14.58	15.52	16.24	16.52	17.24	18.57
	6H	11.66	12.32	12.67	13.32	14.66	15.81	16.47	16.82	17.48	18.82
	8H	11.66	12.28	12.67	13.31	14.64	15.89	16.52	16.90	17.54	18.88
	12H	11.63	12.22	12.65	13.24	14.60	15.93	16.53	16.95	17.54	18.90
4H	2H	11.91	12.62	12.91	13.62	14.95	14.13	14.85	15.13	15.85	17.17
	3H	12.93	13.53	13.95	14.56	15.90	15.64	16.24	16.65	17.27	18.61
	4H	13.21	13.75	14.23	14.78	16.14	16.17	16.72	17.19	17.74	19.11
	6H	13.33	13.80	14.36	14.85	16.21	16.54	17.01	17.57	18.06	19.42
	8H	13.34	13.78	14.37	14.81	16.19	16.65	17.09	17.68	18.13	19.50
	12H	13.30	13.70	14.36	14.75	16.14	16.71	17.11	17.76	18.16	19.54
8H	4H	13.66	14.10	14.70	15.14	16.52	16.29	16.73	17.33	17.77	19.15
	6H	13.93	14.29	14.98	15.37	16.74	16.74	17.10	17.79	18.18	19.55
	8H	13.97	14.29	15.03	15.35	16.74	16.89	17.21	17.96	18.27	19.67
	12H	13.95	14.23	15.02	15.29	16.73	16.99	17.27	18.06	18.33	19.77
12H	4H	13.67	14.07	14.72	15.12	16.50	16.26	16.65	17.31	17.71	19.09
	6H	13.99	14.31	15.05	15.37	16.76	16.73	17.05	17.80	18.12	19.51
	8H	14.05	14.33	15.12	15.39	16.83	16.90	17.18	17.97	18.24	19.67