

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: P934280

Luminaire Tested: SQ4-FA-050U-050D-B2750-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

**Test Information**

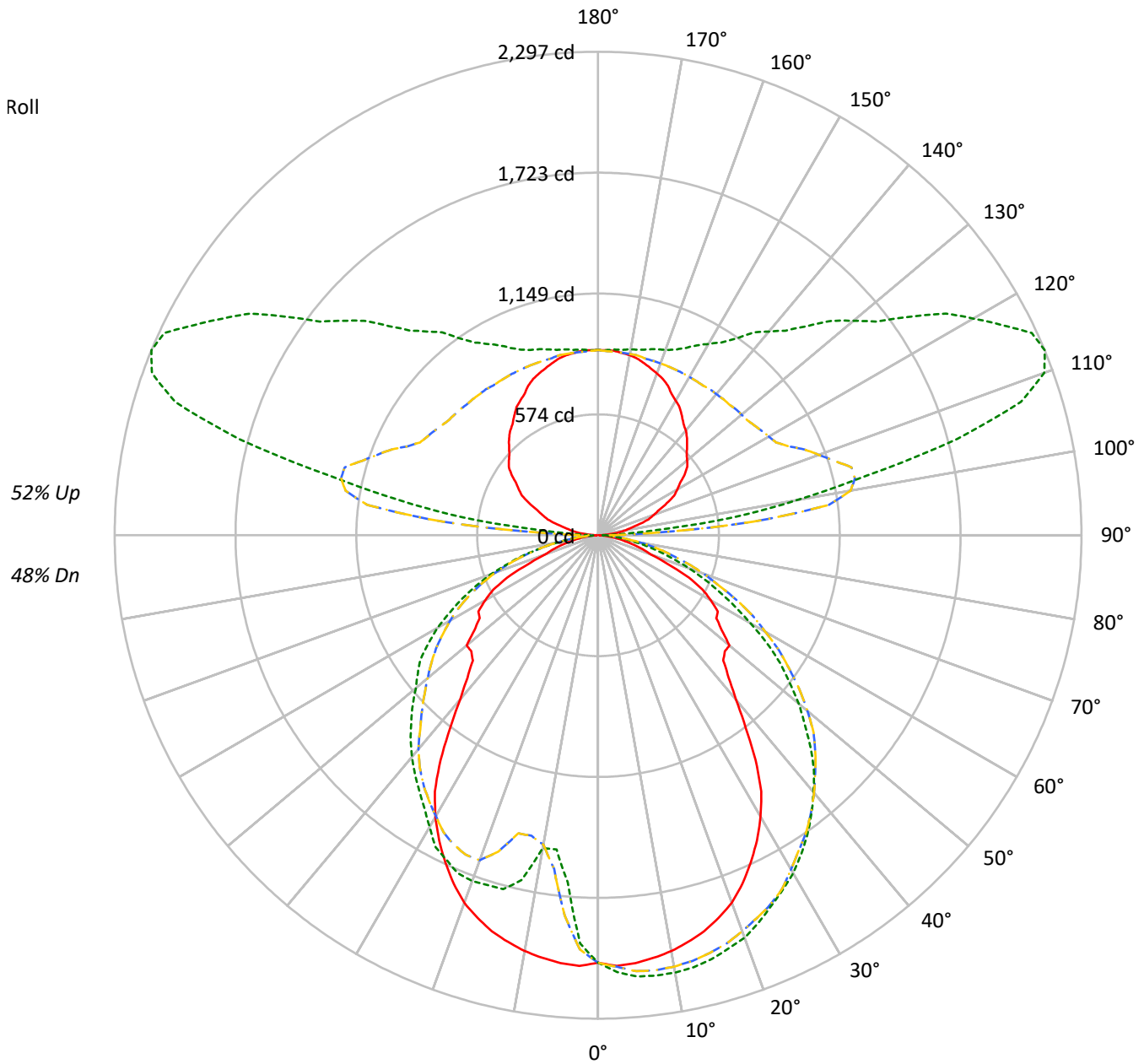
Test Method: LM-79-2019  
Report Number: P934280  
REPORT IS A COMBINATION OF REPORTS P933689 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-050U-050D-B2750-1D-UNV-STD-W-12-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10972.9 lumens  
Efficiency: N/A  
Efficacy: 128.8 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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CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-STD-W-12-4000K

### 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°	6282	6282	6282	6282
5°	6331	6341	6331	4986
10°	6291	6246	6291	4466
15°	6225	6111	6225	5103
20°	6097	5951	6097	5114
25°	5833	5717	5833	5005
30°	5491	5523	5491	4768
35°	4898	5277	4898	4506
40°	4083	4988	4083	4308
45°	3651	4650	3651	4081
50°	3882	4246	3882	3853
55°	3656	3812	3656	3721
60°	3773	3237	3773	3408
65°	3426	2676	3426	2991
70°	2378	2133	2378	2508
75°	2093	1577	2093	1888
80°	1699	1043	1699	1135
85°	998	552	998	469

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 5592 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	183.3	1.7
10°-20°	520.5	4.7
20°-30°	804.6	7.3
30°-40°	960.6	8.8
40°-50°	966.2	8.8
50°-60°	840.7	7.7
60°-70°	596.1	5.4
70°-80°	315.4	2.9
80°-90°	81.9	0.7
90°-100°	428.9	3.9
100°-110°	1127.5	10.3
110°-120°	1169.1	10.7
120°-130°	937.8	8.5
130°-140°	735.9	6.7
140°-150°	564.8	5.1
150°-160°	406.7	3.7
160°-170°	248.9	2.3
170°-180°	84.1	0.8
0°-30°	1508.5	13.7
0°-40°	2469.0	22.5
0°-60°	4275.9	39.0
0°-90°	5269.2	48.0
90°-120°	2725.5	24.8
90°-150°	4964.0	45.2
90°-180°	5704.0	52.0
0°-180°	10972.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2031	2031	2031	2031	2031	
5°	2040	2104	2040	1654	2040	194
15°	1948	2085	1948	1741	1948	548
25°	1716	1944	1716	1702	1716	788
35°	1305	1735	1305	1481	1305	807
45°	842	1430	842	1255	842	674
55°	686	1055	686	1030	686	630
65°	476	636	476	711	476	455
75°	181	302	181	361	181	190
85°	31	77	31	65	31	42
90°	6	22	6	22	6	6
95°	57	259	57	259	57	63
105°	203	1766	203	1766	203	215
115°	361	2274	361	2274	361	356
125°	502	1810	502	1810	502	446
135°	598	1405	598	1405	598	463
145°	694	1140	694	1140	694	435
155°	784	982	784	982	784	360
165°	846	914	846	914	846	239
175°	880	886	880	886	880	84
180°	880	880	880	880	880	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9
2.5°	2048.2	2048.2	2059.7	2063.6	2063.6	2057.8	2052.1	2057.8	2075.1	2080.8	2078.9
5°	2040.5	2055.9	2077.0	2080.8	2084.8	2082.9	2078.9	2082.9	2102.1	2105.9	2107.8
7.5°	2025.2	2054.0	2080.8	2086.7	2092.4	2086.7	2084.8	2088.6	2107.8	2111.6	2111.6
10°	2006.0	2046.3	2077.0	2080.8	2086.7	2080.8	2080.8	2088.6	2107.8	2111.6	2113.6
12.5°	1979.0	2034.8	2063.6	2067.5	2075.1	2073.2	2071.3	2078.9	2098.2	2102.1	2102.1
15°	1948.3	2013.6	2040.5	2044.4	2057.8	2054.0	2054.0	2061.7	2082.9	2088.6	2086.7
17.5°	1906.1	1986.8	2017.5	2023.3	2032.9	2030.9	2032.9	2040.5	2059.7	2063.6	2065.6
20°	1858.0	1950.2	1986.8	1992.5	2002.2	2002.2	2002.2	2011.7	2030.9	2038.6	2038.6
22.5°	1792.7	1911.8	1950.2	1954.1	1965.6	1965.6	1969.5	1982.9	2000.2	2002.2	2002.2
25°	1715.8	1869.5	1902.2	1913.7	1925.3	1931.0	1936.8	1944.5	1950.2	1948.3	1950.2
27.5°	1635.2	1815.7	1858.0	1865.7	1881.1	1886.8	1894.5	1896.4	1898.3	1904.1	1900.3
30°	1544.8	1740.8	1804.2	1811.9	1836.8	1840.8	1833.0	1836.8	1846.5	1850.3	1854.1
32.5°	1443.0	1629.3	1748.5	1765.8	1788.8	1777.4	1775.3	1781.2	1796.5	1796.5	1800.4
35°	1304.6	1542.9	1696.7	1712.0	1729.3	1715.8	1723.5	1725.4	1735.0	1740.8	1738.9
37.5°	1152.9	1467.9	1642.8	1654.3	1667.8	1650.5	1662.0	1667.8	1675.5	1671.6	1671.6
40°	1018.3	1350.8	1579.4	1587.1	1598.6	1585.2	1596.7	1600.6	1604.4	1600.6	1598.6
42.5°	918.4	1222.0	1512.1	1521.8	1514.1	1523.7	1527.5	1535.3	1529.4	1521.8	1521.8
45°	841.5	1187.4	1439.2	1450.6	1439.2	1454.6	1460.3	1460.3	1443.0	1439.2	1437.2
47.5°	816.6	1118.3	1366.1	1366.1	1360.4	1379.6	1389.1	1375.8	1358.5	1352.7	1352.7
50°	814.7	1041.4	1266.2	1258.5	1285.4	1308.4	1298.9	1285.4	1272.0	1250.9	1250.9
52.5°	739.7	947.3	1137.5	1166.3	1208.6	1222.0	1206.6	1193.2	1170.2	1160.5	1152.9
55°	686.0	849.3	1020.2	1077.9	1122.1	1139.4	1110.6	1097.1	1062.5	1056.8	1053.0
57.5°	674.4	707.1	912.7	985.7	1039.5	1037.6	1020.2	995.3	966.5	960.7	958.8
60°	618.7	511.1	797.4	883.9	939.5	933.8	918.4	895.4	868.5	864.7	860.8
62.5°	561.1	370.8	666.7	764.8	843.5	841.5	828.2	793.5	774.3	764.8	757.0
65°	476.5	311.2	474.6	636.0	749.4	753.2	724.4	699.4	678.2	666.7	664.8
67.5°	363.2	253.6	320.9	530.3	659.0	655.2	618.7	607.2	580.3	574.5	563.0
70°	269.0	169.1	222.9	430.4	570.7	561.1	532.2	518.8	493.8	480.4	472.6
72.5°	222.9	136.4	163.3	334.3	480.4	468.8	443.9	428.5	407.3	395.8	388.1
75°	180.6	144.1	124.9	247.8	390.0	382.4	359.3	343.9	326.6	311.2	313.1
77.5°	132.6	134.5	99.9	182.5	309.3	297.9	284.4	265.2	257.5	242.1	242.1
80°	99.9	105.7	75.0	124.9	222.9	222.9	211.3	197.9	184.4	176.8	176.8
82.5°	67.2	67.2	55.7	78.8	151.7	146.0	138.4	134.5	126.8	123.0	123.0
85°	30.8	38.4	34.6	48.0	82.6	86.4	86.4	82.6	80.7	76.9	78.8
87.5°	9.6	17.3	21.1	26.9	42.3	44.2	46.1	46.1	46.1	48.0	48.0
90°	5.9	10.6	15.4	16.5	26.0	38.6	44.9	39.9	29.9	22.4	22.4
92.5°	23.6	63.7	103.9	113.9	160.2	221.8	252.7	221.5	159.0	112.2	107.7
95°	56.7	130.2	203.7	222.0	394.2	623.9	738.7	659.1	500.1	380.9	367.3
97.5°	98.0	162.8	227.7	243.9	531.1	913.9	1105.4	1055.2	954.6	879.3	853.6
100°	129.9	188.7	247.4	262.1	580.8	1005.7	1218.2	1221.8	1229.2	1234.7	1204.1
102.5°	157.1	211.9	266.7	280.5	603.7	1034.6	1250.1	1314.1	1442.1	1538.2	1512.0
105°	203.1	249.5	296.0	307.6	620.6	1037.9	1246.6	1390.1	1677.2	1892.5	1878.4
107.5°	250.4	293.7	337.0	347.8	623.8	991.8	1175.7	1376.0	1776.5	2076.8	2080.3
110°	282.3	321.4	360.5	370.3	619.0	950.8	1116.7	1340.5	1788.2	2124.0	2138.7



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	313.5	350.8	388.0	397.4	619.2	915.0	1062.9	1292.0	1750.2	2093.9	2116.5
115°	360.8	395.2	429.6	438.2	625.0	874.0	998.5	1219.2	1660.6	1991.7	2023.1
117.5°	407.4	438.6	469.9	477.7	636.5	848.3	954.2	1153.4	1551.8	1850.6	1885.3
120°	434.6	464.0	493.4	500.7	646.0	839.7	936.6	1118.6	1482.5	1755.6	1789.3
122.5°	461.2	490.9	520.5	527.9	659.6	835.1	922.9	1086.8	1414.6	1660.5	1693.7
125°	501.9	529.0	556.0	562.8	678.0	831.4	908.2	1047.4	1325.8	1534.7	1565.3
127.5°	535.0	562.3	589.6	596.4	696.2	829.2	895.8	1015.4	1254.4	1433.7	1459.6
130°	552.8	582.2	611.5	618.8	709.6	830.6	891.1	997.5	1210.4	1369.9	1393.8
132.5°	571.0	600.4	629.8	637.2	720.5	831.4	886.9	982.2	1172.7	1315.6	1337.0
135°	598.2	625.0	651.7	658.4	732.2	830.7	879.8	959.7	1119.3	1238.9	1257.4
137.5°	625.9	652.5	679.0	685.6	750.0	835.8	878.7	946.1	1081.1	1182.2	1197.3
140°	648.9	673.4	697.7	703.8	760.8	836.6	874.5	932.7	1049.4	1136.7	1150.9
142.5°	666.7	689.2	711.9	717.5	769.8	839.6	874.5	925.7	1028.1	1104.8	1117.0
145°	693.8	713.5	733.2	738.1	781.7	839.6	868.7	910.5	994.3	1057.0	1066.2
147.5°	721.0	740.1	759.3	764.1	799.0	845.5	868.7	901.6	967.5	1016.9	1024.5
150°	738.7	756.0	773.4	777.7	808.0	848.4	868.7	896.5	952.0	993.8	1000.0
152.5°	757.0	770.1	783.3	786.5	813.9	850.4	868.7	892.4	939.9	975.5	980.2
155°	784.2	793.9	803.6	806.0	826.9	854.7	868.7	887.6	925.3	953.7	956.7
157.5°	804.3	813.8	823.1	825.5	839.9	859.1	868.7	883.4	912.7	934.8	937.0
160°	817.9	825.2	832.6	834.4	845.8	861.0	868.7	881.3	906.4	925.3	926.5
162.5°	831.4	837.0	842.5	843.8	852.1	863.1	868.7	879.3	900.5	916.4	917.6
165°	846.2	851.2	856.2	857.4	861.1	866.2	868.7	876.3	891.5	902.9	904.1
167.5°	859.8	862.1	864.5	865.0	868.2	872.4	874.5	879.5	889.5	896.9	897.5
170°	868.7	871.0	873.3	873.9	874.1	874.4	874.5	879.5	889.5	896.9	896.9
172.5°	873.3	873.8	874.4	874.5	874.5	874.5	874.5	878.4	886.3	892.3	891.8
175°	879.8	879.8	879.8	879.8	878.0	875.6	874.5	877.0	882.0	885.8	885.8
177.5°	879.8	879.8	879.8	879.8	878.5	876.7	875.7	877.7	881.7	884.6	884.0
180°	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9
2.5°	2082.9	2077.0	2082.9	2078.9	2080.8	2075.1	2057.8	2052.1	2057.8	2063.6	2063.6
5°	2107.8	2104.0	2107.8	2107.8	2105.9	2102.1	2082.9	2078.9	2082.9	2084.8	2080.8
7.5°	2115.5	2109.7	2115.5	2111.6	2111.6	2107.8	2088.6	2084.8	2086.7	2092.4	2086.7
10°	2115.5	2109.7	2115.5	2113.6	2111.6	2107.8	2088.6	2080.8	2080.8	2086.7	2080.8
12.5°	2105.9	2102.1	2105.9	2102.1	2102.1	2098.2	2078.9	2071.3	2073.2	2075.1	2067.5
15°	2090.5	2084.8	2090.5	2086.7	2088.6	2082.9	2061.7	2054.0	2054.0	2057.8	2044.4
17.5°	2067.5	2059.7	2067.5	2065.6	2063.6	2059.7	2040.5	2032.9	2030.9	2032.9	2023.3
20°	2040.5	2034.8	2040.5	2038.6	2038.6	2030.9	2011.7	2002.2	2002.2	2002.2	1992.5
22.5°	1998.2	1992.5	1998.2	2002.2	2002.2	2000.2	1982.9	1969.5	1965.6	1965.6	1954.1
25°	1950.2	1944.5	1950.2	1950.2	1948.3	1950.2	1944.5	1936.8	1931.0	1925.3	1913.7
27.5°	1904.1	1900.3	1904.1	1900.3	1904.1	1898.3	1896.4	1894.5	1886.8	1881.1	1865.7
30°	1858.0	1854.1	1858.0	1854.1	1850.3	1846.5	1836.8	1833.0	1840.8	1836.8	1811.9
32.5°	1800.4	1796.5	1800.4	1800.4	1796.5	1796.5	1781.2	1775.3	1777.4	1788.8	1765.8
35°	1740.8	1735.0	1740.8	1738.9	1740.8	1735.0	1725.4	1723.5	1715.8	1729.3	1712.0
37.5°	1671.6	1665.9	1671.6	1671.6	1671.6	1675.5	1667.8	1662.0	1650.5	1667.8	1654.3
40°	1600.6	1592.8	1600.6	1598.6	1600.6	1604.4	1600.6	1596.7	1585.2	1598.6	1587.1
42.5°	1519.9	1517.9	1519.9	1521.8	1521.8	1529.4	1535.3	1527.5	1523.7	1514.1	1521.8
45°	1433.4	1429.5	1433.4	1437.2	1439.2	1443.0	1460.3	1460.3	1454.6	1439.2	1450.6
47.5°	1341.1	1331.6	1341.1	1352.7	1352.7	1358.5	1375.8	1389.1	1379.6	1360.4	1366.1
50°	1243.1	1245.0	1243.1	1250.9	1250.9	1272.0	1285.4	1298.9	1308.4	1285.4	1258.5
52.5°	1147.1	1145.1	1147.1	1152.9	1160.5	1170.2	1193.2	1206.6	1222.0	1208.6	1166.3
55°	1051.0	1054.9	1051.0	1053.0	1056.8	1062.5	1097.1	1110.6	1139.4	1122.1	1077.9
57.5°	954.9	949.2	954.9	958.8	960.7	966.5	995.3	1020.2	1037.6	1039.5	985.7
60°	843.5	835.8	843.5	860.8	864.7	868.5	895.4	918.4	933.8	939.5	883.9
62.5°	745.5	732.1	745.5	757.0	764.8	774.3	793.5	828.2	841.5	843.5	764.8
65°	641.8	636.0	641.8	664.8	666.7	678.2	699.4	724.4	753.2	749.4	636.0
67.5°	547.6	547.6	547.6	563.0	574.5	580.3	607.2	618.7	655.2	659.0	530.3
70°	461.2	459.3	461.2	472.6	480.4	493.8	518.8	532.2	561.1	570.7	430.4
72.5°	378.6	376.6	378.6	388.1	395.8	407.3	428.5	443.9	468.8	480.4	334.3
75°	305.5	301.7	305.5	313.1	311.2	326.6	343.9	359.3	382.4	390.0	247.8
77.5°	234.5	234.5	234.5	242.1	242.1	257.5	265.2	284.4	297.9	309.3	182.5
80°	174.9	173.0	174.9	176.8	176.8	184.4	197.9	211.3	222.9	222.9	124.9
82.5°	123.0	119.1	123.0	123.0	123.0	126.8	134.5	138.4	146.0	151.7	78.8
85°	76.9	76.9	76.9	78.8	76.9	80.7	82.6	86.4	86.4	82.6	48.0
87.5°	49.9	48.0	49.9	48.0	48.0	46.1	46.1	46.1	44.2	42.3	26.9
90°	22.4	22.4	22.4	22.4	22.4	29.9	39.9	44.9	38.6	26.0	16.5
92.5°	89.9	72.0	89.9	107.7	112.2	159.0	221.5	252.7	221.8	160.2	113.9
95°	313.2	259.2	313.2	367.3	380.9	500.1	659.1	738.7	623.9	394.2	222.0
97.5°	750.6	647.8	750.6	853.6	879.3	954.6	1055.2	1105.4	913.9	531.1	243.9
100°	1081.5	959.0	1081.5	1204.1	1234.7	1229.2	1221.8	1218.2	1005.7	580.8	262.1
102.5°	1407.0	1302.0	1407.0	1512.0	1538.2	1442.1	1314.1	1250.1	1034.6	603.7	280.5
105°	1822.0	1765.6	1822.0	1878.4	1892.5	1677.2	1390.1	1246.6	1037.9	620.6	307.6
107.5°	2093.8	2107.5	2093.8	2080.3	2076.8	1776.5	1376.0	1175.7	991.8	623.8	347.8
110°	2197.5	2256.3	2197.5	2138.7	2124.0	1788.2	1340.5	1116.7	950.8	619.0	370.3





TEST NUMBER: P934280

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2206.8	2297.1	2206.8	2116.5	2093.9	1750.2	1292.0	1062.9	915.0	619.2	397.4
115°	2148.3	2273.5	2148.3	2023.1	1991.7	1660.6	1219.2	998.5	874.0	625.0	438.2
117.5°	2024.1	2163.0	2024.1	1885.3	1850.6	1551.8	1153.4	954.2	848.3	636.5	477.7
120°	1924.2	2059.1	1924.2	1789.3	1755.6	1482.5	1118.6	936.6	839.7	646.0	500.7
122.5°	1826.8	1959.9	1826.8	1693.7	1660.5	1414.6	1086.8	922.9	835.1	659.6	527.9
125°	1687.9	1810.5	1687.9	1565.3	1534.7	1325.8	1047.4	908.2	831.4	678.0	562.8
127.5°	1563.0	1666.4	1563.0	1459.6	1433.7	1254.4	1015.4	895.8	829.2	696.2	596.4
130°	1489.4	1584.9	1489.4	1393.8	1369.9	1210.4	997.5	891.1	830.6	709.6	618.8
132.5°	1422.6	1508.1	1422.6	1337.0	1315.6	1172.7	982.2	886.9	831.4	720.5	637.2
135°	1331.1	1404.8	1331.1	1257.4	1238.9	1119.3	959.7	879.8	830.7	732.2	658.4
137.5°	1257.6	1318.0	1257.6	1197.3	1182.2	1081.1	946.1	878.7	835.8	750.0	685.6
140°	1207.2	1263.7	1207.2	1150.9	1136.7	1049.4	932.7	874.5	836.6	760.8	703.8
142.5°	1165.6	1214.1	1165.6	1117.0	1104.8	1028.1	925.7	874.5	839.6	769.8	717.5
145°	1102.9	1139.7	1102.9	1066.2	1057.0	994.3	910.5	868.7	839.6	781.7	738.1
147.5°	1054.9	1085.4	1054.9	1024.5	1016.9	967.5	901.6	868.7	845.5	799.0	764.1
150°	1024.6	1049.4	1024.6	1000.0	993.8	952.0	896.5	868.7	848.4	808.0	777.7
152.5°	998.8	1017.5	998.8	980.2	975.5	939.9	892.4	868.7	850.4	813.9	786.5
155°	969.1	981.5	969.1	956.7	953.7	925.3	887.6	868.7	854.7	826.9	806.0
157.5°	945.5	954.2	945.5	937.0	934.8	912.7	883.4	868.7	859.1	839.9	825.5
160°	931.6	936.6	931.6	926.5	925.3	906.4	881.3	868.7	861.0	845.8	834.4
162.5°	922.3	927.1	922.3	917.6	916.4	900.5	879.3	868.7	863.1	852.1	843.8
165°	909.2	914.1	909.2	904.1	902.9	891.5	876.3	868.7	866.2	861.1	857.4
167.5°	899.6	901.7	899.6	897.5	896.9	889.5	879.5	874.5	872.4	868.2	865.0
170°	896.9	896.9	896.9	896.9	896.9	889.5	879.5	874.5	874.4	874.1	873.9
172.5°	890.0	888.2	890.0	891.8	892.3	886.3	878.4	874.5	874.5	874.5	874.5
175°	885.8	885.8	885.8	885.8	885.8	882.0	877.0	874.5	875.6	878.0	879.8
177.5°	881.9	879.8	881.9	884.0	884.6	881.7	877.7	875.7	876.7	878.5	879.8
180°	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8



TEST NUMBER: P934280

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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9
2.5°	2059.7	2048.2	2048.2	2029.0	2021.4	2015.5	2006.0	1977.1	1969.5	1961.8	1973.3
5°	2077.0	2055.9	2040.5	2006.0	1977.1	1965.6	1929.1	1860.0	1813.8	1779.3	1760.1
7.5°	2080.8	2054.0	2025.2	1971.4	1902.2	1871.4	1760.1	1633.2	1598.6	1567.9	1548.6
10°	2077.0	2046.3	2006.0	1925.3	1762.0	1708.1	1596.7	1514.1	1493.0	1487.2	1493.0
12.5°	2063.6	2034.8	1979.0	1844.6	1616.0	1579.4	1514.1	1466.0	1462.2	1471.8	1523.7
15°	2040.5	2013.6	1948.3	1737.0	1535.3	1508.3	1462.2	1444.9	1466.0	1533.3	1688.9
17.5°	2017.5	1986.8	1906.1	1631.3	1473.8	1454.6	1421.8	1456.5	1575.6	1665.9	1717.8
20°	1986.8	1950.2	1858.0	1554.5	1429.5	1412.3	1396.9	1552.5	1642.8	1675.5	1704.3
22.5°	1950.2	1911.8	1792.7	1500.6	1383.4	1369.9	1379.6	1606.3	1642.8	1665.9	1690.8
25°	1902.2	1869.5	1715.8	1458.4	1346.9	1331.6	1368.0	1600.6	1621.7	1627.4	1677.4
27.5°	1858.0	1815.7	1635.2	1419.9	1302.7	1297.0	1377.7	1575.6	1590.9	1596.7	1650.5
30°	1804.2	1740.8	1544.8	1379.6	1256.6	1254.7	1379.6	1544.8	1541.0	1556.4	1610.1
32.5°	1748.5	1629.3	1443.0	1329.6	1212.4	1210.5	1366.1	1498.7	1494.9	1516.0	1556.4
35°	1696.7	1542.9	1304.6	1272.0	1156.7	1158.6	1333.5	1444.9	1446.8	1466.0	1491.0
37.5°	1642.8	1467.9	1152.9	1208.6	1102.9	1102.9	1289.2	1395.0	1391.1	1396.9	1431.4
40°	1579.4	1350.8	1018.3	1125.9	1053.0	1047.2	1235.5	1341.1	1327.7	1325.8	1373.8
42.5°	1512.1	1222.0	918.4	1016.4	995.3	987.6	1170.2	1275.8	1250.9	1256.6	1318.1
45°	1439.2	1187.4	841.5	858.8	935.7	930.0	1099.0	1200.9	1183.6	1199.0	1262.4
47.5°	1366.1	1118.3	816.6	712.8	872.3	870.4	1020.2	1127.9	1118.3	1133.7	1200.9
50°	1266.2	1041.4	814.7	611.0	801.2	808.9	926.2	1056.8	1056.8	1070.3	1141.3
52.5°	1137.5	947.3	739.7	553.3	718.6	741.7	843.5	995.3	999.1	1012.6	1076.0
55°	1020.2	849.3	686.0	509.2	620.7	670.6	762.8	931.9	939.5	953.0	1010.7
57.5°	912.7	707.1	674.4	457.3	530.3	578.3	691.7	870.4	874.2	885.8	941.5
60°	797.4	511.1	618.7	401.6	451.5	488.0	626.4	797.4	810.8	818.5	866.6
62.5°	666.7	370.8	561.1	363.2	413.1	420.8	572.6	728.2	745.5	751.3	780.1
65°	474.6	311.2	476.5	330.5	372.7	374.6	514.9	657.1	672.5	682.1	703.3
67.5°	320.9	253.6	363.2	299.8	342.0	343.9	459.3	574.5	595.6	603.4	616.7
70°	222.9	169.1	269.0	267.1	307.4	311.2	399.7	499.6	518.8	524.6	532.2
72.5°	163.3	136.4	222.9	240.2	270.9	274.8	338.2	415.0	434.2	440.0	443.9
75°	124.9	144.1	180.6	209.4	230.5	232.4	276.7	338.2	351.6	355.5	357.4
77.5°	99.9	134.5	132.6	169.1	188.3	184.4	217.2	261.3	272.8	272.8	272.8
80°	75.0	105.7	99.9	121.1	138.4	134.5	155.7	186.4	190.2	194.1	192.1
82.5°	55.7	67.2	67.2	76.9	92.3	88.4	103.7	121.1	121.1	121.1	124.9
85°	34.6	38.4	30.8	40.4	51.9	49.9	57.7	65.3	67.2	67.2	63.4
87.5°	21.1	17.3	9.6	15.4	23.0	23.0	26.9	28.8	26.9	26.9	26.9
90°	15.4	10.6	5.9	10.6	15.4	16.5	26.0	38.6	44.9	39.9	29.9
92.5°	103.9	63.7	23.6	63.7	103.9	113.9	160.2	221.8	252.7	221.5	159.0
95°	203.7	130.2	56.7	130.2	203.7	222.0	394.2	623.9	738.7	659.1	500.1
97.5°	227.7	162.8	98.0	162.8	227.7	243.9	531.1	913.9	1105.4	1055.2	954.6
100°	247.4	188.7	129.9	188.7	247.4	262.1	580.8	1005.7	1218.2	1221.8	1229.2
102.5°	266.7	211.9	157.1	211.9	266.7	280.5	603.7	1034.6	1250.1	1314.1	1442.1
105°	296.0	249.5	203.1	249.5	296.0	307.6	620.6	1037.9	1246.6	1390.1	1677.2
107.5°	337.0	293.7	250.4	293.7	337.0	347.8	623.8	991.8	1175.7	1376.0	1776.5
110°	360.5	321.4	282.3	321.4	360.5	370.3	619.0	950.8	1116.7	1340.5	1788.2



TEST NUMBER: P934280

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	388.0	350.8	313.5	350.8	388.0	397.4	619.2	915.0	1062.9	1292.0	1750.2
115°	429.6	395.2	360.8	395.2	429.6	438.2	625.0	874.0	998.5	1219.2	1660.6
117.5°	469.9	438.6	407.4	438.6	469.9	477.7	636.5	848.3	954.2	1153.4	1551.8
120°	493.4	464.0	434.6	464.0	493.4	500.7	646.0	839.7	936.6	1118.6	1482.5
122.5°	520.5	490.9	461.2	490.9	520.5	527.9	659.6	835.1	922.9	1086.8	1414.6
125°	556.0	529.0	501.9	529.0	556.0	562.8	678.0	831.4	908.2	1047.4	1325.8
127.5°	589.6	562.3	535.0	562.3	589.6	596.4	696.2	829.2	895.8	1015.4	1254.4
130°	611.5	582.2	552.8	582.2	611.5	618.8	709.6	830.6	891.1	997.5	1210.4
132.5°	629.8	600.4	571.0	600.4	629.8	637.2	720.5	831.4	886.9	982.2	1172.7
135°	651.7	625.0	598.2	625.0	651.7	658.4	732.2	830.7	879.8	959.7	1119.3
137.5°	679.0	652.5	625.9	652.5	679.0	685.6	750.0	835.8	878.7	946.1	1081.1
140°	697.7	673.4	648.9	673.4	697.7	703.8	760.8	836.6	874.5	932.7	1049.4
142.5°	711.9	689.2	666.7	689.2	711.9	717.5	769.8	839.6	874.5	925.7	1028.1
145°	733.2	713.5	693.8	713.5	733.2	738.1	781.7	839.6	868.7	910.5	994.3
147.5°	759.3	740.1	721.0	740.1	759.3	764.1	799.0	845.5	868.7	901.6	967.5
150°	773.4	756.0	738.7	756.0	773.4	777.7	808.0	848.4	868.7	896.5	952.0
152.5°	783.3	770.1	757.0	770.1	783.3	786.5	813.9	850.4	868.7	892.4	939.9
155°	803.6	793.9	784.2	793.9	803.6	806.0	826.9	854.7	868.7	887.6	925.3
157.5°	823.1	813.8	804.3	813.8	823.1	825.5	839.9	859.1	868.7	883.4	912.7
160°	832.6	825.2	817.9	825.2	832.6	834.4	845.8	861.0	868.7	881.3	906.4
162.5°	842.5	837.0	831.4	837.0	842.5	843.8	852.1	863.1	868.7	879.3	900.5
165°	856.2	851.2	846.2	851.2	856.2	857.4	861.1	866.2	868.7	876.3	891.5
167.5°	864.5	862.1	859.8	862.1	864.5	865.0	868.2	872.4	874.5	879.5	889.5
170°	873.3	871.0	868.7	871.0	873.3	873.9	874.1	874.4	874.5	879.5	889.5
172.5°	874.4	873.8	873.3	873.8	874.4	874.5	874.5	874.5	874.5	878.4	886.3
175°	879.8	879.8	879.8	879.8	879.8	879.8	878.0	875.6	874.5	877.0	882.0
177.5°	879.8	879.8	879.8	879.8	879.8	879.8	878.5	876.7	875.7	877.7	881.7
180°	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8



TEST NUMBER: P934280

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9
2.5°	1959.9	1954.1	1961.8	1940.7	1961.8	1954.1	1959.9	1973.3	1961.8	1969.5	1977.1
5°	1719.7	1710.0	1679.4	1654.3	1679.4	1710.0	1719.7	1760.1	1779.3	1813.8	1860.0
7.5°	1537.2	1529.4	1521.8	1506.4	1521.8	1529.4	1537.2	1548.6	1567.9	1598.6	1633.2
10°	1496.8	1498.7	1510.2	1508.3	1510.2	1498.7	1496.8	1493.0	1487.2	1493.0	1514.1
12.5°	1600.6	1617.9	1681.3	1677.4	1681.3	1617.9	1600.6	1523.7	1471.8	1462.2	1466.0
15°	1719.7	1725.4	1738.9	1740.8	1738.9	1725.4	1719.7	1688.9	1533.3	1466.0	1444.9
17.5°	1731.2	1733.1	1742.7	1742.7	1742.7	1733.1	1731.2	1717.8	1665.9	1575.6	1456.5
20°	1721.6	1725.4	1744.7	1748.5	1744.7	1725.4	1721.6	1704.3	1675.5	1642.8	1552.5
22.5°	1717.8	1725.4	1740.8	1738.9	1740.8	1725.4	1717.8	1690.8	1665.9	1642.8	1606.3
25°	1698.6	1698.6	1700.5	1702.4	1700.5	1698.6	1698.6	1677.4	1627.4	1621.7	1600.6
27.5°	1658.2	1662.0	1673.5	1671.6	1673.5	1662.0	1658.2	1650.5	1596.7	1590.9	1575.6
30°	1621.7	1617.9	1608.2	1600.6	1608.2	1617.9	1621.7	1610.1	1556.4	1541.0	1544.8
32.5°	1560.2	1550.5	1541.0	1535.3	1541.0	1550.5	1560.2	1556.4	1516.0	1494.9	1498.7
35°	1487.2	1489.1	1487.2	1481.4	1487.2	1489.1	1487.2	1491.0	1466.0	1446.8	1444.9
37.5°	1435.3	1439.2	1437.2	1429.5	1437.2	1439.2	1435.3	1431.4	1396.9	1391.1	1395.0
40°	1381.5	1383.4	1381.5	1375.8	1381.5	1383.4	1381.5	1373.8	1325.8	1327.7	1341.1
42.5°	1329.6	1327.7	1321.9	1318.1	1321.9	1327.7	1329.6	1318.1	1256.6	1250.9	1275.8
45°	1270.1	1272.0	1260.4	1254.7	1260.4	1272.0	1270.1	1262.4	1199.0	1183.6	1200.9
47.5°	1210.5	1210.5	1200.9	1195.1	1200.9	1210.5	1210.5	1200.9	1133.7	1118.3	1127.9
50°	1147.1	1145.1	1131.7	1129.8	1131.7	1145.1	1147.1	1141.3	1070.3	1056.8	1056.8
52.5°	1074.1	1074.1	1076.0	1079.8	1076.0	1074.1	1074.1	1076.0	1012.6	999.1	995.3
55°	1010.7	1012.6	1026.1	1029.9	1026.1	1012.6	1010.7	1010.7	953.0	939.5	931.9
57.5°	945.4	945.4	954.9	954.9	954.9	945.4	945.4	941.5	885.8	874.2	870.4
60°	870.4	874.2	881.9	880.0	881.9	874.2	870.4	866.6	818.5	810.8	797.4
62.5°	791.6	795.5	797.4	793.5	797.4	795.5	791.6	780.1	751.3	745.5	728.2
65°	709.0	712.8	714.7	710.9	714.7	712.8	709.0	703.3	682.1	672.5	657.1
67.5°	624.5	622.6	620.7	628.3	620.7	622.6	624.5	616.7	603.4	595.6	574.5
70°	538.0	538.0	536.0	540.0	536.0	538.0	538.0	532.2	524.6	518.8	499.6
72.5°	445.8	443.9	451.5	445.8	451.5	443.9	445.8	443.9	440.0	434.2	415.0
75°	355.5	359.3	355.5	361.2	355.5	359.3	355.5	357.4	355.5	351.6	338.2
77.5°	270.9	274.8	270.9	270.9	270.9	274.8	270.9	272.8	272.8	272.8	261.3
80°	192.1	190.2	190.2	188.3	190.2	190.2	192.1	192.1	194.1	190.2	186.4
82.5°	123.0	121.1	121.1	124.9	121.1	121.1	123.0	124.9	121.1	121.1	121.1
85°	67.2	69.1	65.3	65.3	65.3	69.1	67.2	63.4	67.2	67.2	65.3
87.5°	25.0	23.0	23.0	23.0	23.0	23.0	25.0	26.9	26.9	26.9	28.8
90°	22.4	22.4	22.4	22.4	22.4	22.4	22.4	29.9	39.9	44.9	38.6
92.5°	112.2	107.7	89.9	72.0	89.9	107.7	112.2	159.0	221.5	252.7	221.8
95°	380.9	367.3	313.2	259.2	313.2	367.3	380.9	500.1	659.1	738.7	623.9
97.5°	879.3	853.6	750.6	647.8	750.6	853.6	879.3	954.6	1055.2	1105.4	913.9
100°	1234.7	1204.1	1081.5	959.0	1081.5	1204.1	1234.7	1229.2	1221.8	1218.2	1005.7
102.5°	1538.2	1512.0	1407.0	1302.0	1407.0	1512.0	1538.2	1442.1	1314.1	1250.1	1034.6
105°	1892.5	1878.4	1822.0	1765.6	1822.0	1878.4	1892.5	1677.2	1390.1	1246.6	1037.9
107.5°	2076.8	2080.3	2093.8	2107.5	2093.8	2080.3	2076.8	1776.5	1376.0	1175.7	991.8
110°	2124.0	2138.7	2197.5	2256.3	2197.5	2138.7	2124.0	1788.2	1340.5	1116.7	950.8



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2093.9	2116.5	2206.8	2297.1	2206.8	2116.5	2093.9	1750.2	1292.0	1062.9	915.0
115°	1991.7	2023.1	2148.3	2273.5	2148.3	2023.1	1991.7	1660.6	1219.2	998.5	874.0
117.5°	1850.6	1885.3	2024.1	2163.0	2024.1	1885.3	1850.6	1551.8	1153.4	954.2	848.3
120°	1755.6	1789.3	1924.2	2059.1	1924.2	1789.3	1755.6	1482.5	1118.6	936.6	839.7
122.5°	1660.5	1693.7	1826.8	1959.9	1826.8	1693.7	1660.5	1414.6	1086.8	922.9	835.1
125°	1534.7	1565.3	1687.9	1810.5	1687.9	1565.3	1534.7	1325.8	1047.4	908.2	831.4
127.5°	1433.7	1459.6	1563.0	1666.4	1563.0	1459.6	1433.7	1254.4	1015.4	895.8	829.2
130°	1369.9	1393.8	1489.4	1584.9	1489.4	1393.8	1369.9	1210.4	997.5	891.1	830.6
132.5°	1315.6	1337.0	1422.6	1508.1	1422.6	1337.0	1315.6	1172.7	982.2	886.9	831.4
135°	1238.9	1257.4	1331.1	1404.8	1331.1	1257.4	1238.9	1119.3	959.7	879.8	830.7
137.5°	1182.2	1197.3	1257.6	1318.0	1257.6	1197.3	1182.2	1081.1	946.1	878.7	835.8
140°	1136.7	1150.9	1207.2	1263.7	1207.2	1150.9	1136.7	1049.4	932.7	874.5	836.6
142.5°	1104.8	1117.0	1165.6	1214.1	1165.6	1117.0	1104.8	1028.1	925.7	874.5	839.6
145°	1057.0	1066.2	1102.9	1139.7	1102.9	1066.2	1057.0	994.3	910.5	868.7	839.6
147.5°	1016.9	1024.5	1054.9	1085.4	1054.9	1024.5	1016.9	967.5	901.6	868.7	845.5
150°	993.8	1000.0	1024.6	1049.4	1024.6	1000.0	993.8	952.0	896.5	868.7	848.4
152.5°	975.5	980.2	998.8	1017.5	998.8	980.2	975.5	939.9	892.4	868.7	850.4
155°	953.7	956.7	969.1	981.5	969.1	956.7	953.7	925.3	887.6	868.7	854.7
157.5°	934.8	937.0	945.5	954.2	945.5	937.0	934.8	912.7	883.4	868.7	859.1
160°	925.3	926.5	931.6	936.6	931.6	926.5	925.3	906.4	881.3	868.7	861.0
162.5°	916.4	917.6	922.3	927.1	922.3	917.6	916.4	900.5	879.3	868.7	863.1
165°	902.9	904.1	909.2	914.1	909.2	904.1	902.9	891.5	876.3	868.7	866.2
167.5°	896.9	897.5	899.6	901.7	899.6	897.5	896.9	889.5	879.5	874.5	872.4
170°	896.9	896.9	896.9	896.9	896.9	896.9	896.9	889.5	879.5	874.5	874.4
172.5°	892.3	891.8	890.0	888.2	890.0	891.8	892.3	886.3	878.4	874.5	874.5
175°	885.8	885.8	885.8	885.8	885.8	885.8	885.8	882.0	877.0	874.5	875.6
177.5°	884.6	884.0	881.9	879.8	881.9	884.0	884.6	881.7	877.7	875.7	876.7
180°	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2030.9	2030.9	2030.9	2030.9	2030.9
2.5°	2006.0	2015.5	2021.4	2029.0	2048.2
5°	1929.1	1965.6	1977.1	2006.0	2040.5
7.5°	1760.1	1871.4	1902.2	1971.4	2025.2
10°	1596.7	1708.1	1762.0	1925.3	2006.0
12.5°	1514.1	1579.4	1616.0	1844.6	1979.0
15°	1462.2	1508.3	1535.3	1737.0	1948.3
17.5°	1421.8	1454.6	1473.8	1631.3	1906.1
20°	1396.9	1412.3	1429.5	1554.5	1858.0
22.5°	1379.6	1369.9	1383.4	1500.6	1792.7
25°	1368.0	1331.6	1346.9	1458.4	1715.8
27.5°	1377.7	1297.0	1302.7	1419.9	1635.2
30°	1379.6	1254.7	1256.6	1379.6	1544.8
32.5°	1366.1	1210.5	1212.4	1329.6	1443.0
35°	1333.5	1158.6	1156.7	1272.0	1304.6
37.5°	1289.2	1102.9	1102.9	1208.6	1152.9
40°	1235.5	1047.2	1053.0	1125.9	1018.3
42.5°	1170.2	987.6	995.3	1016.4	918.4
45°	1099.0	930.0	935.7	858.8	841.5
47.5°	1020.2	870.4	872.3	712.8	816.6
50°	926.2	808.9	801.2	611.0	814.7
52.5°	843.5	741.7	718.6	553.3	739.7
55°	762.8	670.6	620.7	509.2	686.0
57.5°	691.7	578.3	530.3	457.3	674.4
60°	626.4	488.0	451.5	401.6	618.7
62.5°	572.6	420.8	413.1	363.2	561.1
65°	514.9	374.6	372.7	330.5	476.5
67.5°	459.3	343.9	342.0	299.8	363.2
70°	399.7	311.2	307.4	267.1	269.0
72.5°	338.2	274.8	270.9	240.2	222.9
75°	276.7	232.4	230.5	209.4	180.6
77.5°	217.2	184.4	188.3	169.1	132.6
80°	155.7	134.5	138.4	121.1	99.9
82.5°	103.7	88.4	92.3	76.9	67.2
85°	57.7	49.9	51.9	40.4	30.8
87.5°	26.9	23.0	23.0	15.4	9.6
90°	26.0	16.5	15.4	10.6	5.9
92.5°	160.2	113.9	103.9	63.7	23.6
95°	394.2	222.0	203.7	130.2	56.7
97.5°	531.1	243.9	227.7	162.8	98.0
100°	580.8	262.1	247.4	188.7	129.9
102.5°	603.7	280.5	266.7	211.9	157.1
105°	620.6	307.6	296.0	249.5	203.1
107.5°	623.8	347.8	337.0	293.7	250.4
110°	619.0	370.3	360.5	321.4	282.3



TEST NUMBER: P934280

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	619.2	397.4	388.0	350.8	313.5
115°	625.0	438.2	429.6	395.2	360.8
117.5°	636.5	477.7	469.9	438.6	407.4
120°	646.0	500.7	493.4	464.0	434.6
122.5°	659.6	527.9	520.5	490.9	461.2
125°	678.0	562.8	556.0	529.0	501.9
127.5°	696.2	596.4	589.6	562.3	535.0
130°	709.6	618.8	611.5	582.2	552.8
132.5°	720.5	637.2	629.8	600.4	571.0
135°	732.2	658.4	651.7	625.0	598.2
137.5°	750.0	685.6	679.0	652.5	625.9
140°	760.8	703.8	697.7	673.4	648.9
142.5°	769.8	717.5	711.9	689.2	666.7
145°	781.7	738.1	733.2	713.5	693.8
147.5°	799.0	764.1	759.3	740.1	721.0
150°	808.0	777.7	773.4	756.0	738.7
152.5°	813.9	786.5	783.3	770.1	757.0
155°	826.9	806.0	803.6	793.9	784.2
157.5°	839.9	825.5	823.1	813.8	804.3
160°	845.8	834.4	832.6	825.2	817.9
162.5°	852.1	843.8	842.5	837.0	831.4
165°	861.1	857.4	856.2	851.2	846.2
167.5°	868.2	865.0	864.5	862.1	859.8
170°	874.1	873.9	873.3	871.0	868.7
172.5°	874.5	874.5	874.4	873.8	873.3
175°	878.0	879.8	879.8	879.8	879.8
177.5°	878.5	879.8	879.8	879.8	879.8
180°	879.8	879.8	879.8	879.8	879.8



TEST NUMBER: P934280  
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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	11.01	11.85	11.98	12.84	14.14	13.86	14.71	14.84	15.69	16.99
	3H	11.49	12.24	12.47	13.24	14.56	15.21	15.97	16.20	16.97	18.29
	4H	11.68	12.39	12.67	13.39	14.72	15.66	16.38	16.66	17.38	18.71
	6H	11.79	12.45	12.80	13.46	14.80	15.95	16.61	16.96	17.61	18.96
	8H	11.80	12.42	12.81	13.44	14.78	16.03	16.65	17.04	17.68	19.01
	12H	11.77	12.36	12.79	13.38	14.74	16.07	16.67	17.09	17.68	19.04
4H	2H	12.05	12.76	13.05	13.76	15.09	14.27	14.98	15.27	15.98	17.31
	3H	13.07	13.67	14.09	14.70	16.04	15.78	16.38	16.79	17.40	18.75
	4H	13.35	13.89	14.37	14.91	16.28	16.31	16.86	17.33	17.88	19.24
	6H	13.47	13.94	14.50	14.99	16.35	16.68	17.15	17.71	18.19	19.56
	8H	13.48	13.91	14.51	14.95	16.33	16.79	17.23	17.82	18.27	19.64
	12H	13.44	13.84	14.49	14.89	16.27	16.85	17.25	17.90	18.30	19.68
8H	4H	13.80	14.24	14.84	15.28	16.66	16.43	16.87	17.47	17.91	19.29
	6H	14.06	14.43	15.12	15.51	16.88	16.87	17.24	17.93	18.32	19.69
	8H	14.11	14.42	15.17	15.49	16.88	17.03	17.35	18.09	18.41	19.81
	12H	14.09	14.37	15.16	15.43	16.86	17.13	17.41	18.20	18.47	19.91
12H	4H	13.81	14.20	14.86	15.26	16.64	16.40	16.79	17.45	17.85	19.23
	6H	14.13	14.44	15.19	15.51	16.90	16.87	17.19	17.94	18.25	19.65
	8H	14.19	14.47	15.26	15.53	16.97	17.04	17.32	18.10	18.37	19.81