

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: P934230

Luminaire Tested: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-6500K

Issue Date: 12/17/2024

**Test Information**

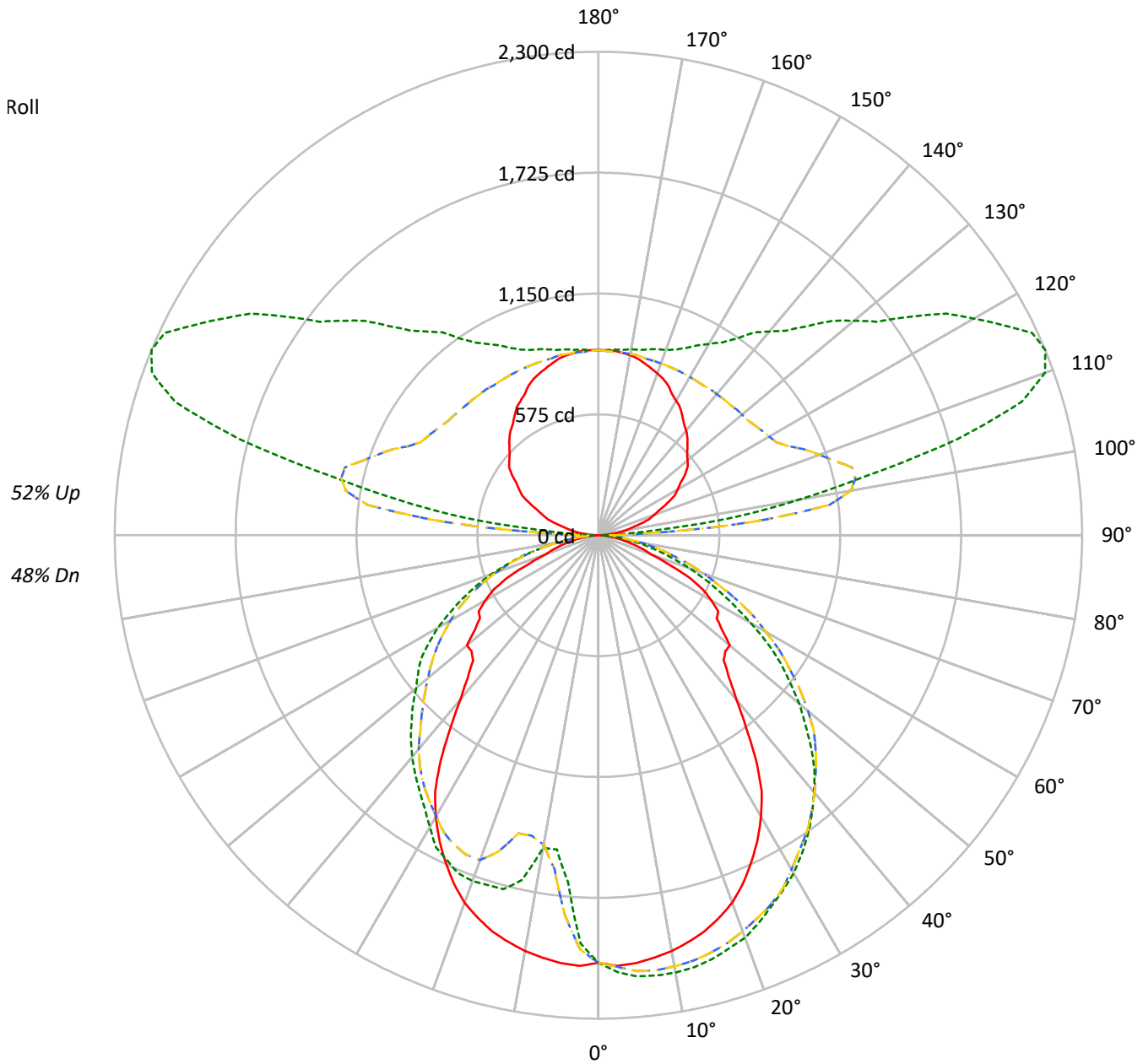
Test Method: LM-79-2019  
Report Number: P934230  
REPORT IS A COMBINATION OF REPORTS P933689 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-6500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10986.6 lumens  
Efficiency: N/A  
Efficacy: 129.0 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	0
RCR																		
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48
1	97	93	89	86	89	86	83	80	72	70	68	60	58	56	48	47	46	41
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	40	39	34
3	81	71	64	58	74	66	60	55	56	51	47	46	43	40	38	35	33	29
4	74	63	55	49	68	58	52	46	50	44	40	41	37	34	33	31	28	25
5	68	56	48	42	62	52	45	40	44	39	35	37	33	30	30	27	25	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19
7	58	45	38	32	53	42	35	30	36	30	26	30	26	23	25	22	19	17
8	54	41	34	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	16	13
10	47	34	27	22	43	32	26	21	28	22	19	23	19	16	20	16	14	12

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	6289	6289	6289	6289
5°	6339	6349	6339	4992
10°	6299	6254	6299	4471
15°	6233	6119	6233	5109
20°	6105	5958	6105	5120
25°	5841	5724	5841	5011
30°	5498	5529	5498	4773
35°	4904	5284	4904	4511
40°	4088	4994	4088	4314
45°	3655	4656	3655	4086
50°	3887	4251	3887	3858
55°	3660	3816	3660	3726
60°	3778	3241	3778	3412
65°	3431	2679	3431	2995
70°	2382	2135	2382	2510
75°	2096	1579	2096	1890
80°	1701	1044	1701	1137
85°	998	553	998	470

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 5599 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	183.6	1.7
10°-20°	521.2	4.7
20°-30°	805.6	7.3
30°-40°	961.8	8.8
40°-50°	967.4	8.8
50°-60°	841.7	7.7
60°-70°	596.8	5.4
70°-80°	315.7	2.9
80°-90°	82.0	0.7
90°-100°	429.4	3.9
100°-110°	1129.0	10.3
110°-120°	1170.6	10.7
120°-130°	939.0	8.5
130°-140°	736.8	6.7
140°-150°	565.5	5.1
150°-160°	407.3	3.7
160°-170°	249.2	2.3
170°-180°	84.2	0.8
0°-30°	1510.4	13.7
0°-40°	2472.1	22.5
0°-60°	4281.2	39.0
0°-90°	5275.8	48.0
90°-120°	2729.0	24.8
90°-150°	4970.2	45.2
90°-180°	5711.0	52.0
0°-180°	10986.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2033	2033	2033	2033	2033	
5°	2043	2107	2043	1656	2043	194
15°	1951	2087	1951	1743	1951	549
25°	1718	1947	1718	1704	1718	789
35°	1306	1737	1306	1483	1306	808
45°	843	1431	843	1256	843	675
55°	687	1056	687	1031	687	631
65°	477	637	477	712	477	456
75°	181	302	181	362	181	190
85°	31	77	31	65	31	42
90°	6	22	6	22	6	6
95°	57	260	57	260	57	63
105°	203	1768	203	1768	203	216
115°	361	2276	361	2276	361	357
125°	503	1813	503	1813	503	446
135°	599	1407	599	1407	599	463
145°	695	1141	695	1141	695	435
155°	785	983	785	983	785	361
165°	847	915	847	915	847	239
175°	881	887	881	887	881	84
180°	881	881	881	881	881	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4
2.5°	2050.7	2050.7	2062.3	2066.1	2066.1	2060.4	2054.7	2060.4	2077.7	2083.4	2081.5
5°	2043.1	2058.5	2079.6	2083.4	2087.4	2085.5	2081.5	2085.5	2104.7	2108.5	2110.4
7.5°	2027.7	2056.6	2083.4	2089.3	2095.0	2089.3	2087.4	2091.2	2110.4	2114.2	2114.2
10°	2008.5	2048.8	2079.6	2083.4	2089.3	2083.4	2083.4	2091.2	2110.4	2114.2	2116.2
12.5°	1981.5	2037.4	2066.1	2070.1	2077.7	2075.8	2073.9	2081.5	2100.9	2104.7	2104.7
15°	1950.7	2016.1	2043.1	2046.9	2060.4	2056.6	2056.6	2064.2	2085.5	2091.2	2089.3
17.5°	1908.5	1989.3	2020.1	2025.8	2035.4	2033.4	2035.4	2043.1	2062.3	2066.1	2068.1
20°	1860.4	1952.6	1989.3	1995.0	2004.7	2004.7	2004.7	2014.2	2033.4	2041.2	2041.2
22.5°	1795.0	1914.2	1952.6	1956.6	1968.0	1968.0	1972.0	1985.3	2002.7	2004.7	2004.7
25°	1718.0	1871.8	1904.5	1916.1	1927.7	1933.4	1939.3	1946.9	1952.6	1950.7	1952.6
27.5°	1637.2	1818.0	1860.4	1868.0	1883.4	1889.2	1896.9	1898.8	1900.7	1906.5	1902.6
30°	1546.7	1742.9	1806.4	1814.2	1839.1	1843.1	1835.3	1839.1	1848.8	1852.6	1856.4
32.5°	1444.8	1631.4	1750.7	1768.0	1791.0	1779.6	1777.6	1783.4	1798.8	1798.8	1802.6
35°	1306.3	1544.8	1698.8	1714.2	1731.5	1718.0	1725.6	1727.6	1737.2	1742.9	1741.0
37.5°	1154.3	1469.8	1644.8	1656.4	1669.9	1652.6	1664.1	1669.9	1677.5	1673.7	1673.7
40°	1019.6	1352.4	1581.4	1589.1	1600.6	1587.2	1598.7	1602.6	1606.4	1602.6	1600.6
42.5°	919.6	1223.5	1514.0	1523.7	1515.9	1525.6	1529.4	1537.2	1531.3	1523.7	1523.7
45°	842.6	1188.9	1441.0	1452.5	1441.0	1456.4	1462.1	1462.1	1444.8	1441.0	1439.0
47.5°	817.6	1119.7	1367.8	1367.8	1362.1	1381.3	1390.9	1377.5	1360.2	1354.4	1354.4
50°	815.7	1042.7	1267.8	1260.1	1287.0	1310.1	1300.5	1287.0	1273.6	1252.4	1252.4
52.5°	740.7	948.4	1138.9	1167.8	1210.1	1223.5	1208.1	1194.7	1171.6	1162.0	1154.3
55°	686.8	850.3	1021.5	1079.3	1123.5	1140.8	1112.0	1098.5	1063.9	1058.1	1054.3
57.5°	675.3	708.0	913.8	986.9	1040.8	1038.9	1021.5	996.5	967.7	961.9	960.0
60°	619.5	511.8	798.4	885.0	940.7	935.0	919.6	896.5	869.6	865.7	861.9
62.5°	561.8	371.3	667.5	765.7	844.5	842.6	829.2	794.5	775.3	765.7	758.0
65°	477.1	311.6	475.2	636.8	750.3	754.1	725.3	700.3	679.1	667.5	665.6
67.5°	363.6	254.0	321.3	531.0	659.9	656.0	619.5	607.9	581.0	575.2	563.7
70°	269.4	169.3	223.2	431.0	571.4	561.8	532.9	519.4	494.4	481.0	473.2
72.5°	223.2	136.5	163.5	334.8	481.0	469.4	444.4	429.0	407.8	396.3	388.6
75°	180.8	144.3	125.1	248.1	390.5	382.9	359.7	344.3	327.0	311.6	313.5
77.5°	132.7	134.6	100.0	182.7	309.7	298.2	284.8	265.5	257.8	242.4	242.4
80°	100.0	105.9	75.1	125.1	223.2	223.2	211.6	198.1	184.6	177.0	177.0
82.5°	67.3	67.3	55.7	78.9	151.9	146.2	138.6	134.6	127.0	123.2	123.2
85°	30.8	38.4	34.6	48.1	82.7	86.5	86.5	82.7	80.8	77.0	78.9
87.5°	9.7	17.3	21.1	27.0	42.4	44.3	46.2	46.2	46.2	48.1	48.1
90°	5.9	10.6	15.4	16.5	26.0	38.6	44.9	40.0	29.9	22.5	22.5
92.5°	23.6	63.8	104.0	114.1	160.4	222.1	253.0	221.7	159.2	112.4	107.9
95°	56.8	130.3	204.0	222.3	394.7	624.7	739.6	660.0	500.8	381.3	367.8
97.5°	98.1	163.0	228.0	244.2	531.7	915.1	1106.8	1056.5	955.8	880.4	854.6
100°	130.0	188.9	247.7	262.5	581.6	1007.0	1219.7	1223.4	1230.7	1236.3	1205.6
102.5°	157.3	212.2	267.1	280.8	604.4	1035.9	1251.7	1315.7	1443.9	1540.1	1513.8
105°	203.4	249.9	296.3	308.0	621.3	1039.2	1248.1	1391.8	1679.3	1894.9	1880.7
107.5°	250.7	294.0	337.4	348.2	624.6	993.0	1177.2	1377.7	1778.7	2079.4	2082.9
110°	282.7	321.8	361.0	370.7	619.8	952.0	1118.1	1342.2	1790.5	2126.7	2141.4



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	313.9	351.2	388.5	397.9	620.0	916.1	1064.2	1293.6	1752.4	2096.5	2119.1
115°	361.2	395.7	430.1	438.7	625.7	875.1	999.8	1220.8	1662.7	1994.2	2025.6
117.5°	407.9	439.2	470.4	478.3	637.3	849.4	955.4	1154.9	1553.7	1852.9	1887.6
120°	435.2	464.6	494.0	501.3	646.8	840.8	937.7	1120.0	1484.4	1757.8	1791.5
122.5°	461.7	491.5	521.1	528.6	660.4	836.2	924.1	1088.1	1416.4	1662.5	1695.8
125°	502.6	529.6	556.7	563.5	678.8	832.5	909.3	1048.8	1327.5	1536.6	1567.3
127.5°	535.7	563.0	590.4	597.1	697.1	830.3	896.9	1016.6	1256.0	1435.5	1461.4
130°	553.4	582.9	612.3	619.6	710.5	831.6	892.2	998.7	1211.9	1371.7	1395.6
132.5°	571.7	601.2	630.6	638.0	721.4	832.5	888.0	983.4	1174.2	1317.3	1338.7
135°	599.0	625.7	652.5	659.2	733.1	831.7	880.9	960.9	1120.7	1240.5	1258.9
137.5°	626.7	653.3	679.9	686.5	750.9	836.9	879.8	947.3	1082.4	1183.7	1198.8
140°	649.7	674.2	698.6	704.7	761.7	837.6	875.6	933.9	1050.7	1138.2	1152.3
142.5°	667.5	690.1	712.7	718.4	770.8	840.7	875.6	926.8	1029.3	1106.2	1118.4
145°	694.7	714.4	734.1	739.0	782.6	840.7	869.8	911.6	995.5	1058.3	1067.5
147.5°	721.9	741.0	760.3	765.1	800.0	846.5	869.8	902.7	968.7	1018.2	1025.8
150°	739.6	756.9	774.3	778.6	809.0	849.5	869.8	897.6	953.2	995.0	1001.2
152.5°	758.0	771.1	784.3	787.5	815.0	851.5	869.8	893.6	941.1	976.8	981.4
155°	785.1	794.9	804.6	807.0	828.0	855.8	869.8	888.7	926.5	954.9	957.9
157.5°	805.3	814.8	824.1	826.5	841.0	860.2	869.8	884.5	913.8	935.9	938.1
160°	818.9	826.2	833.6	835.4	846.9	862.1	869.8	882.4	907.5	926.5	927.7
162.5°	832.5	838.0	843.6	844.9	853.2	864.2	869.8	880.4	901.6	917.6	918.7
165°	847.3	852.3	857.2	858.5	862.2	867.3	869.8	877.4	892.6	904.0	905.2
167.5°	860.9	863.2	865.5	866.1	869.3	873.5	875.6	880.6	890.6	898.1	898.6
170°	869.8	872.0	874.4	875.0	875.2	875.5	875.6	880.6	890.6	898.1	898.1
172.5°	874.4	874.9	875.5	875.6	875.6	875.6	875.6	879.5	887.4	893.4	892.9
175°	880.9	880.9	880.9	880.9	879.1	876.7	875.6	878.1	883.1	886.9	886.9
177.5°	880.9	880.9	880.9	880.9	879.6	877.8	876.8	878.8	882.8	885.7	885.1
180°	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4
2.5°	2085.5	2079.6	2085.5	2081.5	2083.4	2077.7	2060.4	2054.7	2060.4	2066.1	2066.1
5°	2110.4	2106.6	2110.4	2110.4	2108.5	2104.7	2085.5	2081.5	2085.5	2087.4	2083.4
7.5°	2118.2	2112.3	2118.2	2114.2	2114.2	2110.4	2091.2	2087.4	2089.3	2095.0	2089.3
10°	2118.2	2112.3	2118.2	2116.2	2114.2	2110.4	2091.2	2083.4	2083.4	2089.3	2083.4
12.5°	2108.5	2104.7	2108.5	2104.7	2104.7	2100.9	2081.5	2073.9	2075.8	2077.7	2070.1
15°	2093.1	2087.4	2093.1	2089.3	2091.2	2085.5	2064.2	2056.6	2056.6	2060.4	2046.9
17.5°	2070.1	2062.3	2070.1	2068.1	2066.1	2062.3	2043.1	2035.4	2033.4	2035.4	2025.8
20°	2043.1	2037.4	2043.1	2041.2	2041.2	2033.4	2014.2	2004.7	2004.7	2004.7	1995.0
22.5°	2000.7	1995.0	2000.7	2004.7	2004.7	2002.7	1985.3	1972.0	1968.0	1968.0	1956.6
25°	1952.6	1946.9	1952.6	1952.6	1950.7	1952.6	1946.9	1939.3	1933.4	1927.7	1916.1
27.5°	1906.5	1902.6	1906.5	1902.6	1906.5	1900.7	1898.8	1896.9	1889.2	1883.4	1868.0
30°	1860.4	1856.4	1860.4	1856.4	1852.6	1848.8	1839.1	1835.3	1843.1	1839.1	1814.2
32.5°	1802.6	1798.8	1802.6	1802.6	1798.8	1798.8	1783.4	1777.6	1779.6	1791.0	1768.0
35°	1742.9	1737.2	1742.9	1741.0	1742.9	1737.2	1727.6	1725.6	1718.0	1731.5	1714.2
37.5°	1673.7	1668.0	1673.7	1673.7	1673.7	1677.5	1669.9	1664.1	1652.6	1669.9	1656.4
40°	1602.6	1594.8	1602.6	1600.6	1602.6	1606.4	1602.6	1598.7	1587.2	1600.6	1589.1
42.5°	1521.8	1519.8	1521.8	1523.7	1523.7	1531.3	1537.2	1529.4	1525.6	1515.9	1523.7
45°	1435.2	1431.3	1435.2	1439.0	1441.0	1444.8	1462.1	1462.1	1456.4	1441.0	1452.5
47.5°	1342.8	1333.2	1342.8	1354.4	1354.4	1360.2	1377.5	1390.9	1381.3	1362.1	1367.8
50°	1244.7	1246.6	1244.7	1252.4	1252.4	1273.6	1287.0	1300.5	1310.1	1287.0	1260.1
52.5°	1148.5	1146.6	1148.5	1154.3	1162.0	1171.6	1194.7	1208.1	1223.5	1210.1	1167.8
55°	1052.3	1056.2	1052.3	1054.3	1058.1	1063.9	1098.5	1112.0	1140.8	1123.5	1079.3
57.5°	956.1	950.4	956.1	960.0	961.9	967.7	996.5	1021.5	1038.9	1040.8	986.9
60°	844.5	836.9	844.5	861.9	865.7	869.6	896.5	919.6	935.0	940.7	885.0
62.5°	746.4	733.0	746.4	758.0	765.7	775.3	794.5	829.2	842.6	844.5	765.7
65°	642.6	636.8	642.6	665.6	667.5	679.1	700.3	725.3	754.1	750.3	636.8
67.5°	548.3	548.3	548.3	563.7	575.2	581.0	607.9	619.5	656.0	659.9	531.0
70°	461.7	459.8	461.7	473.2	481.0	494.4	519.4	532.9	561.8	571.4	431.0
72.5°	379.0	377.0	379.0	388.6	396.3	407.8	429.0	444.4	469.4	481.0	334.8
75°	305.9	302.1	305.9	313.5	311.6	327.0	344.3	359.7	382.9	390.5	248.1
77.5°	234.7	234.7	234.7	242.4	242.4	257.8	265.5	284.8	298.2	309.7	182.7
80°	175.1	173.2	175.1	177.0	177.0	184.6	198.1	211.6	223.2	223.2	125.1
82.5°	123.2	119.2	123.2	123.2	123.2	127.0	134.6	138.6	146.2	151.9	78.9
85°	77.0	77.0	77.0	78.9	77.0	80.8	82.7	86.5	86.5	82.7	48.1
87.5°	50.0	48.1	50.0	48.1	48.1	46.2	46.2	46.2	44.3	42.4	27.0
90°	22.5	22.5	22.5	22.5	22.5	29.9	40.0	44.9	38.6	26.0	16.5
92.5°	90.0	72.1	90.0	107.9	112.4	159.2	221.7	253.0	222.1	160.4	114.1
95°	313.6	259.5	313.6	367.8	381.3	500.8	660.0	739.6	624.7	394.7	222.3
97.5°	751.6	648.6	751.6	854.6	880.4	955.8	1056.5	1106.8	915.1	531.7	244.2
100°	1082.9	960.2	1082.9	1205.6	1236.3	1230.7	1223.4	1219.7	1007.0	581.6	262.5
102.5°	1408.8	1303.7	1408.8	1513.8	1540.1	1443.9	1315.7	1251.7	1035.9	604.4	280.8
105°	1824.3	1767.8	1824.3	1880.7	1894.9	1679.3	1391.8	1248.1	1039.2	621.3	308.0
107.5°	2096.5	2110.1	2096.5	2082.9	2079.4	1778.7	1377.7	1177.2	993.0	624.6	348.2
110°	2200.2	2259.1	2200.2	2141.4	2126.7	1790.5	1342.2	1118.1	952.0	619.8	370.7





TEST NUMBER: P934230

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2209.6	2299.9	2209.6	2119.1	2096.5	1752.4	1293.6	1064.2	916.1	620.0	397.9
115°	2151.0	2276.3	2151.0	2025.6	1994.2	1662.7	1220.8	999.8	875.1	625.7	438.7
117.5°	2026.7	2165.7	2026.7	1887.6	1852.9	1553.7	1154.9	955.4	849.4	637.3	478.3
120°	1926.6	2061.6	1926.6	1791.5	1757.8	1484.4	1120.0	937.7	840.8	646.8	501.3
122.5°	1829.1	1962.3	1829.1	1695.8	1662.5	1416.4	1088.1	924.1	836.2	660.4	528.6
125°	1690.0	1812.8	1690.0	1567.3	1536.6	1327.5	1048.8	909.3	832.5	678.8	563.5
127.5°	1564.9	1668.5	1564.9	1461.4	1435.5	1256.0	1016.6	896.9	830.3	697.1	597.1
130°	1491.3	1586.9	1491.3	1395.6	1371.7	1211.9	998.7	892.2	831.6	710.5	619.6
132.5°	1424.3	1510.0	1424.3	1338.7	1317.3	1174.2	983.4	888.0	832.5	721.4	638.0
135°	1332.7	1406.6	1332.7	1258.9	1240.5	1120.7	960.9	880.9	831.7	733.1	659.2
137.5°	1259.2	1319.6	1259.2	1198.8	1183.7	1082.4	947.3	879.8	836.9	750.9	686.5
140°	1208.7	1265.2	1208.7	1152.3	1138.2	1050.7	933.9	875.6	837.6	761.7	704.7
142.5°	1167.0	1215.6	1167.0	1118.4	1106.2	1029.3	926.8	875.6	840.7	770.8	718.4
145°	1104.3	1141.1	1104.3	1067.5	1058.3	995.5	911.6	869.8	840.7	782.6	739.0
147.5°	1056.2	1086.7	1056.2	1025.8	1018.2	968.7	902.7	869.8	846.5	800.0	765.1
150°	1025.9	1050.7	1025.9	1001.2	995.0	953.2	897.6	869.8	849.5	809.0	778.6
152.5°	1000.1	1018.7	1000.1	981.4	976.8	941.1	893.6	869.8	851.5	815.0	787.5
155°	970.3	982.7	970.3	957.9	954.9	926.5	888.7	869.8	855.8	828.0	807.0
157.5°	946.7	955.4	946.7	938.1	935.9	913.8	884.5	869.8	860.2	841.0	826.5
160°	932.8	937.7	932.8	927.7	926.5	907.5	882.4	869.8	862.1	846.9	835.4
162.5°	923.5	928.3	923.5	918.7	917.6	901.6	880.4	869.8	864.2	853.2	844.9
165°	910.3	915.3	910.3	905.2	904.0	892.6	877.4	869.8	867.3	862.2	858.5
167.5°	900.7	902.8	900.7	898.6	898.1	890.6	880.6	875.6	873.5	869.3	866.1
170°	898.1	898.1	898.1	898.1	898.1	890.6	880.6	875.6	875.5	875.2	875.0
172.5°	891.1	889.3	891.1	892.9	893.4	887.4	879.5	875.6	875.6	875.6	875.6
175°	886.9	886.9	886.9	886.9	886.9	883.1	878.1	875.6	876.7	879.1	880.9
177.5°	883.0	880.9	883.0	885.1	885.7	882.8	878.8	876.8	877.8	879.6	880.9
180°	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9



TEST NUMBER: P934230

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4
2.5°	2062.3	2050.7	2050.7	2031.5	2023.9	2018.0	2008.5	1979.6	1972.0	1964.2	1975.8
5°	2079.6	2058.5	2043.1	2008.5	1979.6	1968.0	1931.5	1862.3	1816.1	1781.5	1762.3
7.5°	2083.4	2056.6	2027.7	1973.9	1904.5	1873.8	1762.3	1635.3	1600.6	1569.9	1550.6
10°	2079.6	2048.8	2008.5	1927.7	1764.2	1710.2	1598.7	1515.9	1494.8	1489.1	1494.8
12.5°	2066.1	2037.4	1981.5	1846.9	1618.0	1581.4	1515.9	1467.9	1464.0	1473.7	1525.6
15°	2043.1	2016.1	1950.7	1739.1	1537.2	1510.2	1464.0	1446.7	1467.9	1535.2	1691.0
17.5°	2020.1	1989.3	1908.5	1633.4	1475.6	1456.4	1423.6	1458.3	1577.5	1668.0	1719.9
20°	1989.3	1952.6	1860.4	1556.4	1431.3	1414.0	1398.6	1554.5	1644.8	1677.5	1706.4
22.5°	1952.6	1914.2	1795.0	1502.5	1385.1	1371.7	1381.3	1608.3	1644.8	1668.0	1692.9
25°	1904.5	1871.8	1718.0	1460.2	1348.6	1333.2	1369.7	1602.6	1623.7	1629.4	1679.5
27.5°	1860.4	1818.0	1637.2	1421.7	1304.3	1298.6	1379.4	1577.5	1592.9	1598.7	1652.6
30°	1806.4	1742.9	1546.7	1381.3	1258.2	1256.2	1381.3	1546.7	1542.9	1558.3	1612.1
32.5°	1750.7	1631.4	1444.8	1331.3	1213.9	1212.0	1367.8	1500.6	1496.7	1517.9	1558.3
35°	1698.8	1544.8	1306.3	1273.6	1158.1	1160.1	1335.1	1446.7	1448.6	1467.9	1492.9
37.5°	1644.8	1469.8	1154.3	1210.1	1104.3	1104.3	1290.9	1396.7	1392.9	1398.6	1433.2
40°	1581.4	1352.4	1019.6	1127.4	1054.3	1048.5	1237.0	1342.8	1329.4	1327.5	1375.5
42.5°	1514.0	1223.5	919.6	1017.7	996.5	988.8	1171.6	1277.4	1252.4	1258.2	1319.7
45°	1441.0	1188.9	842.6	859.9	936.9	931.1	1100.4	1202.4	1185.1	1200.5	1264.0
47.5°	1367.8	1119.7	817.6	713.7	873.4	871.5	1021.5	1129.3	1119.7	1135.1	1202.4
50°	1267.8	1042.7	815.7	611.8	802.2	809.9	927.3	1058.1	1058.1	1071.6	1142.7
52.5°	1138.9	948.4	740.7	554.0	719.5	742.6	844.5	996.5	1000.4	1013.9	1077.3
55°	1021.5	850.3	686.8	509.8	621.4	671.4	763.7	933.1	940.7	954.2	1011.9
57.5°	913.8	708.0	675.3	457.8	531.0	579.1	692.6	871.5	875.3	886.9	942.7
60°	798.4	511.8	619.5	402.1	452.1	488.6	627.2	798.4	811.8	819.6	867.6
62.5°	667.5	371.3	561.8	363.6	413.6	421.3	573.3	729.1	746.4	752.2	781.1
65°	475.2	311.6	477.1	330.9	373.2	375.1	515.6	658.0	673.4	682.9	704.1
67.5°	321.3	254.0	363.6	300.1	342.4	344.3	459.8	575.2	596.4	604.1	617.5
70°	223.2	169.3	269.4	267.4	307.8	311.6	400.2	500.2	519.4	525.2	532.9
72.5°	163.5	136.5	223.2	240.5	271.3	275.1	338.6	415.6	434.8	440.5	444.4
75°	125.1	144.3	180.8	209.7	230.8	232.7	277.0	338.6	352.1	355.9	357.8
77.5°	100.0	134.6	132.7	169.3	188.6	184.6	217.4	261.6	273.2	273.2	273.2
80°	75.1	105.9	100.0	121.2	138.6	134.6	155.9	186.6	190.5	194.3	192.4
82.5°	55.7	67.3	67.3	77.0	92.4	88.5	103.8	121.2	121.2	121.2	125.1
85°	34.6	38.4	30.8	40.4	51.9	50.0	57.8	65.4	67.3	67.3	63.5
87.5°	21.1	17.3	9.7	15.4	23.0	23.0	27.0	28.9	27.0	27.0	27.0
90°	15.4	10.6	5.9	10.6	15.4	16.5	26.0	38.6	44.9	40.0	29.9
92.5°	104.0	63.8	23.6	63.8	104.0	114.1	160.4	222.1	253.0	221.7	159.2
95°	204.0	130.3	56.8	130.3	204.0	222.3	394.7	624.7	739.6	660.0	500.8
97.5°	228.0	163.0	98.1	163.0	228.0	244.2	531.7	915.1	1106.8	1056.5	955.8
100°	247.7	188.9	130.0	188.9	247.7	262.5	581.6	1007.0	1219.7	1223.4	1230.7
102.5°	267.1	212.2	157.3	212.2	267.1	280.8	604.4	1035.9	1251.7	1315.7	1443.9
105°	296.3	249.9	203.4	249.9	296.3	308.0	621.3	1039.2	1248.1	1391.8	1679.3
107.5°	337.4	294.0	250.7	294.0	337.4	348.2	624.6	993.0	1177.2	1377.7	1778.7
110°	361.0	321.8	282.7	321.8	361.0	370.7	619.8	952.0	1118.1	1342.2	1790.5



TEST NUMBER: P934230

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	388.5	351.2	313.9	351.2	388.5	397.9	620.0	916.1	1064.2	1293.6	1752.4
115°	430.1	395.7	361.2	395.7	430.1	438.7	625.7	875.1	999.8	1220.8	1662.7
117.5°	470.4	439.2	407.9	439.2	470.4	478.3	637.3	849.4	955.4	1154.9	1553.7
120°	494.0	464.6	435.2	464.6	494.0	501.3	646.8	840.8	937.7	1120.0	1484.4
122.5°	521.1	491.5	461.7	491.5	521.1	528.6	660.4	836.2	924.1	1088.1	1416.4
125°	556.7	529.6	502.6	529.6	556.7	563.5	678.8	832.5	909.3	1048.8	1327.5
127.5°	590.4	563.0	535.7	563.0	590.4	597.1	697.1	830.3	896.9	1016.6	1256.0
130°	612.3	582.9	553.4	582.9	612.3	619.6	710.5	831.6	892.2	998.7	1211.9
132.5°	630.6	601.2	571.7	601.2	630.6	638.0	721.4	832.5	888.0	983.4	1174.2
135°	652.5	625.7	599.0	625.7	652.5	659.2	733.1	831.7	880.9	960.9	1120.7
137.5°	679.9	653.3	626.7	653.3	679.9	686.5	750.9	836.9	879.8	947.3	1082.4
140°	698.6	674.2	649.7	674.2	698.6	704.7	761.7	837.6	875.6	933.9	1050.7
142.5°	712.7	690.1	667.5	690.1	712.7	718.4	770.8	840.7	875.6	926.8	1029.3
145°	734.1	714.4	694.7	714.4	734.1	739.0	782.6	840.7	869.8	911.6	995.5
147.5°	760.3	741.0	721.9	741.0	760.3	765.1	800.0	846.5	869.8	902.7	968.7
150°	774.3	756.9	739.6	756.9	774.3	778.6	809.0	849.5	869.8	897.6	953.2
152.5°	784.3	771.1	758.0	771.1	784.3	787.5	815.0	851.5	869.8	893.6	941.1
155°	804.6	794.9	785.1	794.9	804.6	807.0	828.0	855.8	869.8	888.7	926.5
157.5°	824.1	814.8	805.3	814.8	824.1	826.5	841.0	860.2	869.8	884.5	913.8
160°	833.6	826.2	818.9	826.2	833.6	835.4	846.9	862.1	869.8	882.4	907.5
162.5°	843.6	838.0	832.5	838.0	843.6	844.9	853.2	864.2	869.8	880.4	901.6
165°	857.2	852.3	847.3	852.3	857.2	858.5	862.2	867.3	869.8	877.4	892.6
167.5°	865.5	863.2	860.9	863.2	865.5	866.1	869.3	873.5	875.6	880.6	890.6
170°	874.4	872.0	869.8	872.0	874.4	875.0	875.2	875.5	875.6	880.6	890.6
172.5°	875.5	874.9	874.4	874.9	875.5	875.6	875.6	875.6	875.6	879.5	887.4
175°	880.9	880.9	880.9	880.9	880.9	880.9	879.1	876.7	875.6	878.1	883.1
177.5°	880.9	880.9	880.9	880.9	880.9	880.9	879.6	877.8	876.8	878.8	882.8
180°	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9



TEST NUMBER: P934230

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4
2.5°	1962.3	1956.6	1964.2	1943.1	1964.2	1956.6	1962.3	1975.8	1964.2	1972.0	1979.6
5°	1721.8	1712.2	1681.5	1656.4	1681.5	1712.2	1721.8	1762.3	1781.5	1816.1	1862.3
7.5°	1539.1	1531.3	1523.7	1508.3	1523.7	1531.3	1539.1	1550.6	1569.9	1600.6	1635.3
10°	1498.6	1500.6	1512.1	1510.2	1512.1	1500.6	1498.6	1494.8	1489.1	1494.8	1515.9
12.5°	1602.6	1619.9	1683.4	1679.5	1683.4	1619.9	1602.6	1525.6	1473.7	1464.0	1467.9
15°	1721.8	1727.6	1741.0	1742.9	1741.0	1727.6	1721.8	1691.0	1535.2	1467.9	1446.7
17.5°	1733.4	1735.3	1744.9	1744.9	1744.9	1735.3	1733.4	1719.9	1668.0	1577.5	1458.3
20°	1723.7	1727.6	1746.9	1750.7	1746.9	1727.6	1723.7	1706.4	1677.5	1644.8	1554.5
22.5°	1719.9	1727.6	1742.9	1741.0	1742.9	1727.6	1719.9	1692.9	1668.0	1644.8	1608.3
25°	1700.7	1700.7	1702.6	1704.5	1702.6	1700.7	1700.7	1679.5	1629.4	1623.7	1602.6
27.5°	1660.2	1664.1	1675.6	1673.7	1675.6	1664.1	1660.2	1652.6	1598.7	1592.9	1577.5
30°	1623.7	1619.9	1610.2	1602.6	1610.2	1619.9	1623.7	1612.1	1558.3	1542.9	1546.7
32.5°	1562.1	1552.5	1542.9	1537.2	1542.9	1552.5	1562.1	1558.3	1517.9	1496.7	1500.6
35°	1489.1	1491.0	1489.1	1483.2	1489.1	1491.0	1489.1	1492.9	1467.9	1448.6	1446.7
37.5°	1437.1	1441.0	1439.0	1431.3	1439.0	1441.0	1437.1	1433.2	1398.6	1392.9	1396.7
40°	1383.2	1385.1	1383.2	1377.5	1383.2	1385.1	1383.2	1375.5	1327.5	1329.4	1342.8
42.5°	1331.3	1329.4	1323.6	1319.7	1323.6	1329.4	1331.3	1319.7	1258.2	1252.4	1277.4
45°	1271.6	1273.6	1262.0	1256.2	1262.0	1273.6	1271.6	1264.0	1200.5	1185.1	1202.4
47.5°	1212.0	1212.0	1202.4	1196.6	1202.4	1212.0	1212.0	1202.4	1135.1	1119.7	1129.3
50°	1148.5	1146.6	1133.1	1131.2	1133.1	1146.6	1148.5	1142.7	1071.6	1058.1	1058.1
52.5°	1075.4	1075.4	1077.3	1081.2	1077.3	1075.4	1075.4	1077.3	1013.9	1000.4	996.5
55°	1011.9	1013.9	1027.3	1031.2	1027.3	1013.9	1011.9	1011.9	954.2	940.7	933.1
57.5°	946.5	946.5	956.1	956.1	956.1	946.5	946.5	942.7	886.9	875.3	871.5
60°	871.5	875.3	883.0	881.1	883.0	875.3	871.5	867.6	819.6	811.8	798.4
62.5°	792.6	796.5	798.4	794.5	798.4	796.5	792.6	781.1	752.2	746.4	729.1
65°	709.9	713.7	715.6	711.8	715.6	713.7	709.9	704.1	682.9	673.4	658.0
67.5°	625.3	623.3	621.4	629.1	621.4	623.3	625.3	617.5	604.1	596.4	575.2
70°	538.6	538.6	536.7	540.6	536.7	538.6	538.6	532.9	525.2	519.4	500.2
72.5°	446.4	444.4	452.1	446.4	452.1	444.4	446.4	444.4	440.5	434.8	415.6
75°	355.9	359.7	355.9	361.6	355.9	359.7	355.9	357.8	355.9	352.1	338.6
77.5°	271.3	275.1	271.3	271.3	271.3	275.1	271.3	273.2	273.2	273.2	261.6
80°	192.4	190.5	190.5	188.6	190.5	190.5	192.4	192.4	194.3	190.5	186.6
82.5°	123.2	121.2	121.2	125.1	121.2	121.2	123.2	125.1	121.2	121.2	121.2
85°	67.3	69.2	65.4	65.4	65.4	69.2	67.3	63.5	67.3	67.3	65.4
87.5°	25.1	23.0	23.0	23.0	23.0	23.0	25.1	27.0	27.0	27.0	28.9
90°	22.5	22.5	22.5	22.5	22.5	22.5	22.5	29.9	40.0	44.9	38.6
92.5°	112.4	107.9	90.0	72.1	90.0	107.9	112.4	159.2	221.7	253.0	222.1
95°	381.3	367.8	313.6	259.5	313.6	367.8	381.3	500.8	660.0	739.6	624.7
97.5°	880.4	854.6	751.6	648.6	751.6	854.6	880.4	955.8	1056.5	1106.8	915.1
100°	1236.3	1205.6	1082.9	960.2	1082.9	1205.6	1236.3	1230.7	1223.4	1219.7	1007.0
102.5°	1540.1	1513.8	1408.8	1303.7	1408.8	1513.8	1540.1	1443.9	1315.7	1251.7	1035.9
105°	1894.9	1880.7	1824.3	1767.8	1824.3	1880.7	1894.9	1679.3	1391.8	1248.1	1039.2
107.5°	2079.4	2082.9	2096.5	2110.1	2096.5	2082.9	2079.4	1778.7	1377.7	1177.2	993.0
110°	2126.7	2141.4	2200.2	2259.1	2200.2	2141.4	2126.7	1790.5	1342.2	1118.1	952.0



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2096.5	2119.1	2209.6	2299.9	2209.6	2119.1	2096.5	1752.4	1293.6	1064.2	916.1
115°	1994.2	2025.6	2151.0	2276.3	2151.0	2025.6	1994.2	1662.7	1220.8	999.8	875.1
117.5°	1852.9	1887.6	2026.7	2165.7	2026.7	1887.6	1852.9	1553.7	1154.9	955.4	849.4
120°	1757.8	1791.5	1926.6	2061.6	1926.6	1791.5	1757.8	1484.4	1120.0	937.7	840.8
122.5°	1662.5	1695.8	1829.1	1962.3	1829.1	1695.8	1662.5	1416.4	1088.1	924.1	836.2
125°	1536.6	1567.3	1690.0	1812.8	1690.0	1567.3	1536.6	1327.5	1048.8	909.3	832.5
127.5°	1435.5	1461.4	1564.9	1668.5	1564.9	1461.4	1435.5	1256.0	1016.6	896.9	830.3
130°	1371.7	1395.6	1491.3	1586.9	1491.3	1395.6	1371.7	1211.9	998.7	892.2	831.6
132.5°	1317.3	1338.7	1424.3	1510.0	1424.3	1338.7	1317.3	1174.2	983.4	888.0	832.5
135°	1240.5	1258.9	1332.7	1406.6	1332.7	1258.9	1240.5	1120.7	960.9	880.9	831.7
137.5°	1183.7	1198.8	1259.2	1319.6	1259.2	1198.8	1183.7	1082.4	947.3	879.8	836.9
140°	1138.2	1152.3	1208.7	1265.2	1208.7	1152.3	1138.2	1050.7	933.9	875.6	837.6
142.5°	1106.2	1118.4	1167.0	1215.6	1167.0	1118.4	1106.2	1029.3	926.8	875.6	840.7
145°	1058.3	1067.5	1104.3	1141.1	1104.3	1067.5	1058.3	995.5	911.6	869.8	840.7
147.5°	1018.2	1025.8	1056.2	1086.7	1056.2	1025.8	1018.2	968.7	902.7	869.8	846.5
150°	995.0	1001.2	1025.9	1050.7	1025.9	1001.2	995.0	953.2	897.6	869.8	849.5
152.5°	976.8	981.4	1000.1	1018.7	1000.1	981.4	976.8	941.1	893.6	869.8	851.5
155°	954.9	957.9	970.3	982.7	970.3	957.9	954.9	926.5	888.7	869.8	855.8
157.5°	935.9	938.1	946.7	955.4	946.7	938.1	935.9	913.8	884.5	869.8	860.2
160°	926.5	927.7	932.8	937.7	932.8	927.7	926.5	907.5	882.4	869.8	862.1
162.5°	917.6	918.7	923.5	928.3	923.5	918.7	917.6	901.6	880.4	869.8	864.2
165°	904.0	905.2	910.3	915.3	910.3	905.2	904.0	892.6	877.4	869.8	867.3
167.5°	898.1	898.6	900.7	902.8	900.7	898.6	898.1	890.6	880.6	875.6	873.5
170°	898.1	898.1	898.1	898.1	898.1	898.1	898.1	890.6	880.6	875.6	875.5
172.5°	893.4	892.9	891.1	889.3	891.1	892.9	893.4	887.4	879.5	875.6	875.6
175°	886.9	886.9	886.9	886.9	886.9	886.9	886.9	883.1	878.1	875.6	876.7
177.5°	885.7	885.1	883.0	880.9	883.0	885.1	885.7	882.8	878.8	876.8	877.8
180°	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9



TEST NUMBER: P934230

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2033.4	2033.4	2033.4	2033.4	2033.4
2.5°	2008.5	2018.0	2023.9	2031.5	2050.7
5°	1931.5	1968.0	1979.6	2008.5	2043.1
7.5°	1762.3	1873.8	1904.5	1973.9	2027.7
10°	1598.7	1710.2	1764.2	1927.7	2008.5
12.5°	1515.9	1581.4	1618.0	1846.9	1981.5
15°	1464.0	1510.2	1537.2	1739.1	1950.7
17.5°	1423.6	1456.4	1475.6	1633.4	1908.5
20°	1398.6	1414.0	1431.3	1556.4	1860.4
22.5°	1381.3	1371.7	1385.1	1502.5	1795.0
25°	1369.7	1333.2	1348.6	1460.2	1718.0
27.5°	1379.4	1298.6	1304.3	1421.7	1637.2
30°	1381.3	1256.2	1258.2	1381.3	1546.7
32.5°	1367.8	1212.0	1213.9	1331.3	1444.8
35°	1335.1	1160.1	1158.1	1273.6	1306.3
37.5°	1290.9	1104.3	1104.3	1210.1	1154.3
40°	1237.0	1048.5	1054.3	1127.4	1019.6
42.5°	1171.6	988.8	996.5	1017.7	919.6
45°	1100.4	931.1	936.9	859.9	842.6
47.5°	1021.5	871.5	873.4	713.7	817.6
50°	927.3	809.9	802.2	611.8	815.7
52.5°	844.5	742.6	719.5	554.0	740.7
55°	763.7	671.4	621.4	509.8	686.8
57.5°	692.6	579.1	531.0	457.8	675.3
60°	627.2	488.6	452.1	402.1	619.5
62.5°	573.3	421.3	413.6	363.6	561.8
65°	515.6	375.1	373.2	330.9	477.1
67.5°	459.8	344.3	342.4	300.1	363.6
70°	400.2	311.6	307.8	267.4	269.4
72.5°	338.6	275.1	271.3	240.5	223.2
75°	277.0	232.7	230.8	209.7	180.8
77.5°	217.4	184.6	188.6	169.3	132.7
80°	155.9	134.6	138.6	121.2	100.0
82.5°	103.8	88.5	92.4	77.0	67.3
85°	57.8	50.0	51.9	40.4	30.8
87.5°	27.0	23.0	23.0	15.4	9.7
90°	26.0	16.5	15.4	10.6	5.9
92.5°	160.4	114.1	104.0	63.8	23.6
95°	394.7	222.3	204.0	130.3	56.8
97.5°	531.7	244.2	228.0	163.0	98.1
100°	581.6	262.5	247.7	188.9	130.0
102.5°	604.4	280.8	267.1	212.2	157.3
105°	621.3	308.0	296.3	249.9	203.4
107.5°	624.6	348.2	337.4	294.0	250.7
110°	619.8	370.7	361.0	321.8	282.7



TEST NUMBER: P934230

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	620.0	397.9	388.5	351.2	313.9
115°	625.7	438.7	430.1	395.7	361.2
117.5°	637.3	478.3	470.4	439.2	407.9
120°	646.8	501.3	494.0	464.6	435.2
122.5°	660.4	528.6	521.1	491.5	461.7
125°	678.8	563.5	556.7	529.6	502.6
127.5°	697.1	597.1	590.4	563.0	535.7
130°	710.5	619.6	612.3	582.9	553.4
132.5°	721.4	638.0	630.6	601.2	571.7
135°	733.1	659.2	652.5	625.7	599.0
137.5°	750.9	686.5	679.9	653.3	626.7
140°	761.7	704.7	698.6	674.2	649.7
142.5°	770.8	718.4	712.7	690.1	667.5
145°	782.6	739.0	734.1	714.4	694.7
147.5°	800.0	765.1	760.3	741.0	721.9
150°	809.0	778.6	774.3	756.9	739.6
152.5°	815.0	787.5	784.3	771.1	758.0
155°	828.0	807.0	804.6	794.9	785.1
157.5°	841.0	826.5	824.1	814.8	805.3
160°	846.9	835.4	833.6	826.2	818.9
162.5°	853.2	844.9	843.6	838.0	832.5
165°	862.2	858.5	857.2	852.3	847.3
167.5°	869.3	866.1	865.5	863.2	860.9
170°	875.2	875.0	874.4	872.0	869.8
172.5°	875.6	875.6	875.5	874.9	874.4
175°	879.1	880.9	880.9	880.9	880.9
177.5°	879.6	880.9	880.9	880.9	880.9
180°	880.9	880.9	880.9	880.9	880.9



TEST NUMBER: P934230  
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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	11.02	11.86	11.99	12.85	14.15	13.87	14.71	14.84	15.70	17.00
	3H	11.49	12.25	12.48	13.24	14.56	15.22	15.97	16.20	16.97	18.29
	4H	11.68	12.40	12.68	13.40	14.73	15.66	16.38	16.66	17.38	18.71
	6H	11.80	12.46	12.81	13.46	14.80	15.95	16.61	16.96	17.62	18.96
	8H	11.80	12.43	12.81	13.45	14.79	16.03	16.66	17.05	17.68	19.02
	12H	11.77	12.37	12.79	13.38	14.74	16.07	16.67	17.09	17.68	19.05
4H	2H	12.05	12.77	13.05	13.77	15.10	14.27	14.99	15.28	15.99	17.32
	3H	13.08	13.67	14.09	14.70	16.04	15.78	16.38	16.80	17.41	18.75
	4H	13.35	13.90	14.37	14.92	16.28	16.31	16.86	17.34	17.88	19.25
	6H	13.48	13.94	14.51	14.99	16.35	16.68	17.15	17.72	18.20	19.56
	8H	13.48	13.92	14.51	14.96	16.33	16.79	17.23	17.83	18.27	19.65
	12H	13.45	13.84	14.50	14.90	16.28	16.85	17.25	17.91	18.30	19.69
8H	4H	13.81	14.25	14.84	15.28	16.66	16.44	16.88	17.47	17.91	19.29
	6H	14.07	14.43	15.13	15.51	16.88	16.88	17.24	17.94	18.32	19.70
	8H	14.11	14.43	15.18	15.49	16.89	17.03	17.35	18.10	18.42	19.81
	12H	14.09	14.37	15.16	15.43	16.87	17.14	17.42	18.20	18.48	19.91
12H	4H	13.81	14.21	14.86	15.26	16.64	16.40	16.80	17.45	17.85	19.23
	6H	14.13	14.45	15.19	15.51	16.91	16.88	17.19	17.94	18.26	19.65
	8H	14.20	14.48	15.26	15.53	16.97	17.04	17.32	18.11	18.38	19.81