

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: P935430

Luminaire Tested: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-12-6500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935430
REPORT IS A COMBINATION OF REPORTS P933753 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-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: -

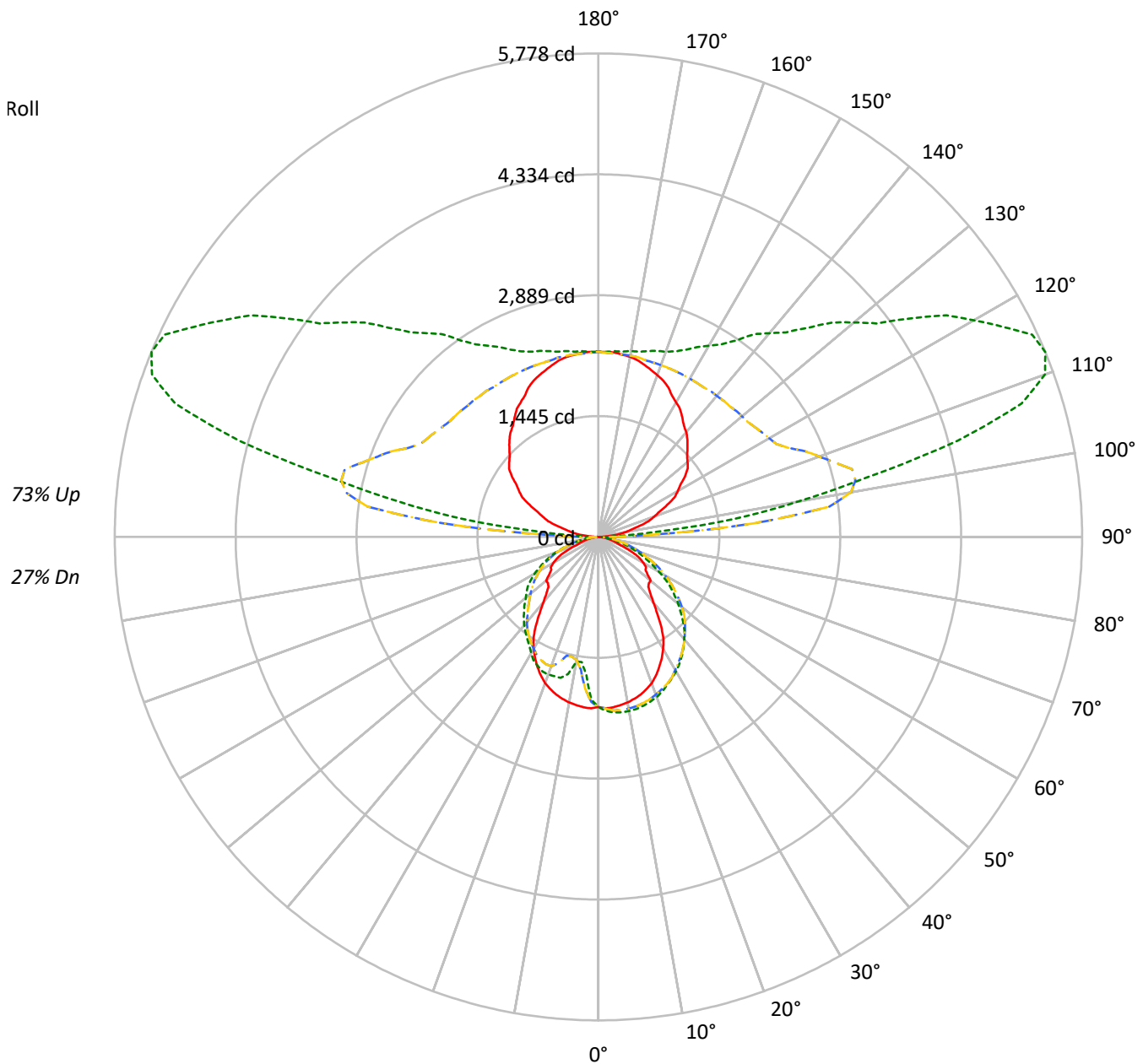
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19626.8 lumens
Efficiency: N/A
Efficacy: 137.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 142.8
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	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35	27			27
1	93	88	85	81	83	79	76	73	62	60	58	46	44	43	31	30	29	23			23
2	84	77	71	66	75	69	64	60	54	51	48	40	38	36	27	26	25	19			19
3	77	68	61	55	68	61	55	50	48	43	40	35	33	30	24	22	21	16			16
4	70	60	52	47	62	54	47	42	42	38	34	31	28	26	21	20	18	14			14
5	64	53	45	40	57	48	41	36	38	33	29	28	25	22	19	17	16	12			12
6	59	48	40	34	53	43	36	31	34	29	25	25	22	19	17	15	14	10			10
7	55	43	35	30	49	38	32	27	30	26	22	23	20	17	16	14	12	9			9
8	50	39	31	26	45	35	28	24	28	23	19	21	18	15	15	12	11	8			8
9	47	35	28	23	42	32	25	21	25	21	17	19	16	14	13	11	10	7			7
10	44	32	25	20	39	29	23	19	23	19	15	18	14	12	12	10	9	7			7

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	0.9
10°-20°	521.2	2.7
20°-30°	805.6	4.1
30°-40°	961.8	4.9
40°-50°	967.4	4.9
50°-60°	841.7	4.3
60°-70°	596.8	3.0
70°-80°	315.7	1.6
80°-90°	87.1	0.4
90°-100°	1078.7	5.5
100°-110°	2836.0	14.4
110°-120°	2940.6	15.0
120°-130°	2358.8	12.0
130°-140°	1850.8	9.4
140°-150°	1420.5	7.2
150°-160°	1023.0	5.2
160°-170°	626.0	3.2
170°-180°	211.5	1.1
0°-30°	1510.4	7.7
0°-40°	2472.1	12.6
0°-60°	4281.2	21.8
0°-90°	5280.9	26.9
90°-120°	6855.4	34.9
90°-150°	12485.5	63.6
90°-180°	14346.0	73.1
0°-180°	19626.8	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°	15	56	15	56	15	14
95°	143	652	143	652	143	158
105°	511	4441	511	4441	511	542
115°	907	5718	907	5718	907	896
125°	1262	4554	1262	4554	1262	1121
135°	1505	3533	1505	3533	1505	1164
145°	1745	2866	1745	2866	1745	1093
155°	1972	2468	1972	2468	1972	906
165°	2128	2299	2128	2299	2128	601
175°	2213	2228	2213	2228	2213	210
180°	2213	2213	2213	2213	2213	



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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°	14.8	26.7	38.6	41.6	65.3	97.0	112.8	100.3	75.3	56.4	56.4
92.5°	59.4	160.4	261.4	286.7	403.0	558.1	635.7	557.1	400.0	282.2	271.0
95°	142.6	327.4	512.2	558.4	991.6	1569.2	1858.0	1657.9	1258.0	958.0	924.0
97.5°	246.5	409.5	572.7	613.4	1335.7	2298.8	2780.3	2653.9	2401.1	2211.5	2146.7
100°	326.7	474.7	622.5	659.5	1461.0	2529.7	3064.0	3073.3	3091.8	3105.6	3028.6
102.5°	395.1	533.1	671.0	705.5	1518.4	2602.3	3144.2	3305.3	3627.4	3869.0	3803.1
105°	510.9	627.7	744.6	773.8	1561.0	2610.5	3135.3	3496.3	4218.5	4760.1	4724.6
107.5°	629.7	738.7	847.6	874.8	1568.9	2494.4	2957.1	3460.7	4468.0	5223.5	5232.1
110°	710.0	808.3	906.7	931.2	1557.0	2391.3	2808.5	3371.6	4497.7	5342.3	5379.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	788.7	882.4	976.1	999.5	1557.4	2301.5	2673.4	3249.7	4402.2	5266.6	5323.4
115°	907.4	993.9	1080.4	1102.0	1571.9	2198.3	2511.5	3066.7	4176.9	5009.7	5088.4
117.5°	1024.8	1103.4	1182.0	1201.6	1601.0	2133.7	2400.1	2901.2	3903.2	4654.7	4742.0
120°	1093.1	1167.0	1241.0	1259.5	1624.9	2112.0	2355.6	2813.4	3729.0	4415.6	4500.4
122.5°	1160.0	1234.5	1309.1	1327.8	1659.0	2100.7	2321.4	2733.7	3558.1	4176.5	4260.1
125°	1262.5	1330.4	1398.4	1415.5	1705.1	2091.2	2284.2	2634.4	3334.8	3860.1	3937.1
127.5°	1345.7	1414.3	1483.0	1500.1	1751.1	2085.7	2253.1	2553.7	3155.1	3606.1	3671.1
130°	1390.2	1464.1	1538.0	1556.5	1784.7	2089.1	2241.2	2508.9	3044.2	3445.7	3505.8
132.5°	1436.2	1510.1	1584.1	1602.6	1812.0	2091.2	2230.8	2470.4	2949.7	3309.1	3362.9
135°	1504.6	1571.9	1639.2	1656.0	1841.7	2089.3	2213.0	2413.7	2815.0	3116.0	3162.4
137.5°	1574.4	1641.0	1707.7	1724.3	1886.2	2102.1	2210.0	2379.7	2718.9	2973.4	3011.3
140°	1632.2	1693.6	1755.0	1770.4	1913.4	2104.2	2199.6	2346.1	2639.2	2859.0	2894.5
142.5°	1676.8	1733.6	1790.4	1804.5	1936.2	2111.8	2199.6	2328.3	2585.8	2778.9	2809.4
145°	1745.1	1794.7	1844.2	1856.5	1965.9	2111.8	2184.8	2290.1	2500.6	2658.5	2681.6
147.5°	1813.4	1861.6	1909.8	1921.9	2009.5	2126.4	2184.8	2267.6	2433.3	2557.5	2576.7
150°	1858.0	1901.6	1945.2	1956.1	2032.3	2133.9	2184.8	2254.8	2394.7	2499.6	2515.1
152.5°	1904.1	1937.1	1970.1	1978.4	2047.2	2138.9	2184.8	2244.6	2364.0	2453.6	2465.4
155°	1972.3	1996.8	2021.2	2027.3	2079.8	2149.8	2184.8	2232.3	2327.4	2398.6	2406.4
157.5°	2022.9	2046.6	2070.4	2076.4	2112.5	2160.7	2184.8	2221.7	2295.6	2351.1	2356.5
160°	2057.1	2075.5	2094.1	2098.7	2127.3	2165.7	2184.8	2216.5	2279.9	2327.4	2330.5
162.5°	2091.2	2105.1	2118.9	2122.4	2143.2	2170.9	2184.8	2211.6	2265.0	2305.1	2308.1
165°	2128.3	2140.8	2153.3	2156.5	2166.0	2178.5	2184.8	2203.9	2242.2	2270.9	2274.0
167.5°	2162.5	2168.5	2174.4	2175.8	2183.8	2194.4	2199.6	2212.2	2237.2	2256.0	2257.4
170°	2184.8	2190.7	2196.7	2198.1	2198.6	2199.2	2199.6	2212.2	2237.2	2256.0	2256.0
172.5°	2196.7	2198.0	2199.3	2199.6	2199.6	2199.6	2199.6	2209.6	2229.4	2244.2	2243.0
175°	2213.0	2213.0	2213.0	2213.0	2208.5	2202.6	2199.6	2205.9	2218.5	2227.8	2227.8
177.5°	2213.0	2213.0	2213.0	2213.0	2209.6	2204.9	2202.6	2207.6	2217.4	2224.9	2223.5
180°	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0



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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°	56.4	56.4	56.4	56.4	56.4	75.3	100.3	112.8	97.0	65.3	41.6
92.5°	226.0	181.2	226.0	271.0	282.2	400.0	557.1	635.7	558.1	403.0	286.7
95°	788.0	652.0	788.0	924.0	958.0	1258.0	1657.9	1858.0	1569.2	991.6	558.4
97.5°	1888.0	1629.3	1888.0	2146.7	2211.5	2401.1	2653.9	2780.3	2298.8	1335.7	613.4
100°	2720.3	2412.0	2720.3	3028.6	3105.6	3091.8	3073.3	3064.0	2529.7	1461.0	659.5
102.5°	3539.0	3275.0	3539.0	3803.1	3869.0	3627.4	3305.3	3144.2	2602.3	1518.4	705.5
105°	4582.7	4440.8	4582.7	4724.6	4760.1	4218.5	3496.3	3135.3	2610.5	1561.0	773.8
107.5°	5266.4	5300.8	5266.4	5232.1	5223.5	4468.0	3460.7	2957.1	2494.4	1568.9	874.8
110°	5527.2	5675.0	5527.2	5379.4	5342.3	4497.7	3371.6	2808.5	2391.3	1557.0	931.2



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CATALOG NUMBER: SQ4-FA-125U-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°	5550.4	5777.5	5550.4	5323.4	5266.6	4402.2	3249.7	2673.4	2301.5	1557.4	999.5
115°	5403.3	5718.1	5403.3	5088.4	5009.7	4176.9	3066.7	2511.5	2198.3	1571.9	1102.0
117.5°	5091.2	5440.4	5091.2	4742.0	4654.7	3903.2	2901.2	2400.1	2133.7	1601.0	1201.6
120°	4839.7	5178.9	4839.7	4500.4	4415.6	3729.0	2813.4	2355.6	2112.0	1624.9	1259.5
122.5°	4594.8	4929.5	4594.8	4260.1	4176.5	3558.1	2733.7	2321.4	2100.7	1659.0	1327.8
125°	4245.4	4553.7	4245.4	3937.1	3860.1	3334.8	2634.4	2284.2	2091.2	1705.1	1415.5
127.5°	3931.2	4191.3	3931.2	3671.1	3606.1	3155.1	2553.7	2253.1	2085.7	1751.1	1500.1
130°	3746.1	3986.4	3746.1	3505.8	3445.7	3044.2	2508.9	2241.2	2089.1	1784.7	1556.5
132.5°	3578.1	3793.2	3578.1	3362.9	3309.1	2949.7	2470.4	2230.8	2091.2	1812.0	1602.6
135°	3347.8	3533.3	3347.8	3162.4	3116.0	2815.0	2413.7	2213.0	2089.3	1841.7	1656.0
137.5°	3163.2	3315.0	3163.2	3011.3	2973.4	2718.9	2379.7	2210.0	2102.1	1886.2	1724.3
140°	3036.5	3178.4	3036.5	2894.5	2859.0	2639.2	2346.1	2199.6	2104.2	1913.4	1770.4
142.5°	2931.5	3053.6	2931.5	2809.4	2778.9	2585.8	2328.3	2199.6	2111.8	1936.2	1804.5
145°	2774.0	2866.5	2774.0	2681.6	2658.5	2500.6	2290.1	2184.8	2111.8	1965.9	1856.5
147.5°	2653.2	2729.8	2653.2	2576.7	2557.5	2433.3	2267.6	2184.8	2126.4	2009.5	1921.9
150°	2577.2	2639.3	2577.2	2515.1	2499.6	2394.7	2254.8	2184.8	2133.9	2032.3	1956.1
152.5°	2512.2	2559.1	2512.2	2465.4	2453.6	2364.0	2244.6	2184.8	2138.9	2047.2	1978.4
155°	2437.4	2468.4	2437.4	2406.4	2398.6	2327.4	2232.3	2184.8	2149.8	2079.8	2027.3
157.5°	2378.3	2400.1	2378.3	2356.5	2351.1	2295.6	2221.7	2184.8	2160.7	2112.5	2076.4
160°	2343.1	2355.6	2343.1	2330.5	2327.4	2279.9	2216.5	2184.8	2165.7	2127.3	2098.7
162.5°	2319.9	2331.8	2319.9	2308.1	2305.1	2265.0	2211.6	2184.8	2170.9	2143.2	2122.4
165°	2286.5	2299.2	2286.5	2274.0	2270.9	2242.2	2203.9	2184.8	2178.5	2166.0	2156.5
167.5°	2262.6	2267.9	2262.6	2257.4	2256.0	2237.2	2212.2	2199.6	2194.4	2183.8	2175.8
170°	2256.0	2256.0	2256.0	2256.0	2256.0	2237.2	2212.2	2199.6	2199.2	2198.6	2198.1
172.5°	2238.4	2233.8	2238.4	2243.0	2244.2	2229.4	2209.6	2199.6	2199.6	2199.6	2199.6
175°	2227.8	2227.8	2227.8	2227.8	2227.8	2218.5	2205.9	2199.6	2202.6	2208.5	2213.0
177.5°	2218.3	2213.0	2218.3	2223.5	2224.9	2217.4	2207.6	2202.6	2204.9	2209.6	2213.0
180°	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0



TEST NUMBER: P935430

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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°	38.6	26.7	14.8	26.7	38.6	41.6	65.3	97.0	112.8	100.3	75.3
92.5°	261.4	160.4	59.4	160.4	261.4	286.7	403.0	558.1	635.7	557.1	400.0
95°	512.2	327.4	142.6	327.4	512.2	558.4	991.6	1569.2	1858.0	1657.9	1258.0
97.5°	572.7	409.5	246.5	409.5	572.7	613.4	1335.7	2298.8	2780.3	2653.9	2401.1
100°	622.5	474.7	326.7	474.7	622.5	659.5	1461.0	2529.7	3064.0	3073.3	3091.8
102.5°	671.0	533.1	395.1	533.1	671.0	705.5	1518.4	2602.3	3144.2	3305.3	3627.4
105°	744.6	627.7	510.9	627.7	744.6	773.8	1561.0	2610.5	3135.3	3496.3	4218.5
107.5°	847.6	738.7	629.7	738.7	847.6	874.8	1568.9	2494.4	2957.1	3460.7	4468.0
110°	906.7	808.3	710.0	808.3	906.7	931.2	1557.0	2391.3	2808.5	3371.6	4497.7



TEST NUMBER: P935430

CATALOG NUMBER: SQ4-FA-125U-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°	976.1	882.4	788.7	882.4	976.1	999.5	1557.4	2301.5	2673.4	3249.7	4402.2
115°	1080.4	993.9	907.4	993.9	1080.4	1102.0	1571.9	2198.3	2511.5	3066.7	4176.9
117.5°	1182.0	1103.4	1024.8	1103.4	1182.0	1201.6	1601.0	2133.7	2400.1	2901.2	3903.2
120°	1241.0	1167.0	1093.1	1167.0	1241.0	1259.5	1624.9	2112.0	2355.6	2813.4	3729.0
122.5°	1309.1	1234.5	1160.0	1234.5	1309.1	1327.8	1659.0	2100.7	2321.4	2733.7	3558.1
125°	1398.4	1330.4	1262.5	1330.4	1398.4	1415.5	1705.1	2091.2	2284.2	2634.4	3334.8
127.5°	1483.0	1414.3	1345.7	1414.3	1483.0	1500.1	1751.1	2085.7	2253.1	2553.7	3155.1
130°	1538.0	1464.1	1390.2	1464.1	1538.0	1556.5	1784.7	2089.1	2241.2	2508.9	3044.2
132.5°	1584.1	1510.1	1436.2	1510.1	1584.1	1602.6	1812.0	2091.2	2230.8	2470.4	2949.7
135°	1639.2	1571.9	1504.6	1571.9	1639.2	1656.0	1841.7	2089.3	2213.0	2413.7	2815.0
137.5°	1707.7	1641.0	1574.4	1641.0	1707.7	1724.3	1886.2	2102.1	2210.0	2379.7	2718.9
140°	1755.0	1693.6	1632.2	1693.6	1755.0	1770.4	1913.4	2104.2	2199.6	2346.1	2639.2
142.5°	1790.4	1733.6	1676.8	1733.6	1790.4	1804.5	1936.2	2111.8	2199.6	2328.3	2585.8
145°	1844.2	1794.7	1745.1	1794.7	1844.2	1856.5	1965.9	2111.8	2184.8	2290.1	2500.6
147.5°	1909.8	1861.6	1813.4	1861.6	1909.8	1921.9	2009.5	2126.4	2184.8	2267.6	2433.3
150°	1945.2	1901.6	1858.0	1901.6	1945.2	1956.1	2032.3	2133.9	2184.8	2254.8	2394.7
152.5°	1970.1	1937.1	1904.1	1937.1	1970.1	1978.4	2047.2	2138.9	2184.8	2244.6	2364.0
155°	2021.2	1996.8	1972.3	1996.8	2021.2	2027.3	2079.8	2149.8	2184.8	2232.3	2327.4
157.5°	2070.4	2046.6	2022.9	2046.6	2070.4	2076.4	2112.5	2160.7	2184.8	2221.7	2295.6
160°	2094.1	2075.5	2057.1	2075.5	2094.1	2098.7	2127.3	2165.7	2184.8	2216.5	2279.9
162.5°	2118.9	2105.1	2091.2	2105.1	2118.9	2122.4	2143.2	2170.9	2184.8	2211.6	2265.0
165°	2153.3	2140.8	2128.3	2140.8	2153.3	2156.5	2166.0	2178.5	2184.8	2203.9	2242.2
167.5°	2174.4	2168.5	2162.5	2168.5	2174.4	2175.8	2183.8	2194.4	2199.6	2212.2	2237.2
170°	2196.7	2190.7	2184.8	2190.7	2196.7	2198.1	2198.6	2199.2	2199.6	2212.2	2237.2
172.5°	2199.3	2198.0	2196.7	2198.0	2199.3	2199.6	2199.6	2199.6	2199.6	2209.6	2229.4
175°	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2208.5	2202.6	2199.6	2205.9	2218.5
177.5°	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2209.6	2204.9	2202.6	2207.6	2217.4
180°	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0



TEST NUMBER: P935430
 CATALOG NUMBER: SQ4-FA-125U-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°	56.4	56.4	56.4	56.4	56.4	56.4	56.4	75.3	100.3	112.8	97.0
92.5°	282.2	271.0	226.0	181.2	226.0	271.0	282.2	400.0	557.1	635.7	558.1
95°	958.0	924.0	788.0	652.0	788.0	924.0	958.0	1258.0	1657.9	1858.0	1569.2
97.5°	2211.5	2146.7	1888.0	1629.3	1888.0	2146.7	2211.5	2401.1	2653.9	2780.3	2298.8
100°	3105.6	3028.6	2720.3	2412.0	2720.3	3028.6	3105.6	3091.8	3073.3	3064.0	2529.7
102.5°	3869.0	3803.1	3539.0	3275.0	3539.0	3803.1	3869.0	3627.4	3305.3	3144.2	2602.3
105°	4760.1	4724.6	4582.7	4440.8	4582.7	4724.6	4760.1	4218.5	3496.3	3135.3	2610.5
107.5°	5223.5	5232.1	5266.4	5300.8	5266.4	5232.1	5223.5	4468.0	3460.7	2957.1	2494.4
110°	5342.3	5379.4	5527.2	5675.0	5527.2	5379.4	5342.3	4497.7	3371.6	2808.5	2391.3



TEST NUMBER: P935430

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5266.6	5323.4	5550.4	5777.5	5550.4	5323.4	5266.6	4402.2	3249.7	2673.4	2301.5
115°	5009.7	5088.4	5403.3	5718.1	5403.3	5088.4	5009.7	4176.9	3066.7	2511.5	2198.3
117.5°	4654.7	4742.0	5091.2	5440.4	5091.2	4742.0	4654.7	3903.2	2901.2	2400.1	2133.7
120°	4415.6	4500.4	4839.7	5178.9	4839.7	4500.4	4415.6	3729.0	2813.4	2355.6	2112.0
122.5°	4176.5	4260.1	4594.8	4929.5	4594.8	4260.1	4176.5	3558.1	2733.7	2321.4	2100.7
125°	3860.1	3937.1	4245.4	4553.7	4245.4	3937.1	3860.1	3334.8	2634.4	2284.2	2091.2
127.5°	3606.1	3671.1	3931.2	4191.3	3931.2	3671.1	3606.1	3155.1	2553.7	2253.1	2085.7
130°	3445.7	3505.8	3746.1	3986.4	3746.1	3505.8	3445.7	3044.2	2508.9	2241.2	2089.1
132.5°	3309.1	3362.9	3578.1	3793.2	3578.1	3362.9	3309.1	2949.7	2470.4	2230.8	2091.2
135°	3116.0	3162.4	3347.8	3533.3	3347.8	3162.4	3116.0	2815.0	2413.7	2213.0	2089.3
137.5°	2973.4	3011.3	3163.2	3315.0	3163.2	3011.3	2973.4	2718.9	2379.7	2210.0	2102.1
140°	2859.0	2894.5	3036.5	3178.4	3036.5	2894.5	2859.0	2639.2	2346.1	2199.6	2104.2
142.5°	2778.9	2809.4	2931.5	3053.6	2931.5	2809.4	2778.9	2585.8	2328.3	2199.6	2111.8
145°	2658.5	2681.6	2774.0	2866.5	2774.0	2681.6	2658.5	2500.6	2290.1	2184.8	2111.8
147.5°	2557.5	2576.7	2653.2	2729.8	2653.2	2576.7	2557.5	2433.3	2267.6	2184.8	2126.4
150°	2499.6	2515.1	2577.2	2639.3	2577.2	2515.1	2499.6	2394.7	2254.8	2184.8	2133.9
152.5°	2453.6	2465.4	2512.2	2559.1	2512.2	2465.4	2453.6	2364.0	2244.6	2184.8	2138.9
155°	2398.6	2406.4	2437.4	2468.4	2437.4	2406.4	2398.6	2327.4	2232.3	2184.8	2149.8
157.5°	2351.1	2356.5	2378.3	2400.1	2378.3	2356.5	2351.1	2295.6	2221.7	2184.8	2160.7
160°	2327.4	2330.5	2343.1	2355.6	2343.1	2330.5	2327.4	2279.9	2216.5	2184.8	2165.7
162.5°	2305.1	2308.1	2319.9	2331.8	2319.9	2308.1	2305.1	2265.0	2211.6	2184.8	2170.9
165°	2270.9	2274.0	2286.5	2299.2	2286.5	2274.0	2270.9	2242.2	2203.9	2184.8	2178.5
167.5°	2256.0	2257.4	2262.6	2267.9	2262.6	2257.4	2256.0	2237.2	2212.2	2199.6	2194.4
170°	2256.0	2256.0	2256.0	2256.0	2256.0	2256.0	2256.0	2237.2	2212.2	2199.6	2199.2
172.5°	2244.2	2243.0	2238.4	2233.8	2238.4	2243.0	2244.2	2229.4	2209.6	2199.6	2199.6
175°	2227.8	2227.8	2227.8	2227.8	2227.8	2227.8	2227.8	2218.5	2205.9	2199.6	2202.6
177.5°	2224.9	2223.5	2218.3	2213.0	2218.3	2223.5	2224.9	2217.4	2207.6	2202.6	2204.9
180°	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0



TEST NUMBER: P935430

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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°	65.3	41.6	38.6	26.7	14.8
92.5°	403.0	286.7	261.4	160.4	59.4
95°	991.6	558.4	512.2	327.4	142.6
97.5°	1335.7	613.4	572.7	409.5	246.5
100°	1461.0	659.5	622.5	474.7	326.7
102.5°	1518.4	705.5	671.0	533.1	395.1
105°	1561.0	773.8	744.6	627.7	510.9
107.5°	1568.9	874.8	847.6	738.7	629.7
110°	1557.0	931.2	906.7	808.3	710.0



TEST NUMBER: P935430

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1557.4	999.5	976.1	882.4	788.7
115°	1571.9	1102.0	1080.4	993.9	907.4
117.5°	1601.0	1201.6	1182.0	1103.4	1024.8
120°	1624.9	1259.5	1241.0	1167.0	1093.1
122.5°	1659.0	1327.8	1309.1	1234.5	1160.0
125°	1705.1	1415.5	1398.4	1330.4	1262.5
127.5°	1751.1	1500.1	1483.0	1414.3	1345.7
130°	1784.7	1556.5	1538.0	1464.1	1390.2
132.5°	1812.0	1602.6	1584.1	1510.1	1436.2
135°	1841.7	1656.0	1639.2	1571.9	1504.6
137.5°	1886.2	1724.3	1707.7	1641.0	1574.4
140°	1913.4	1770.4	1755.0	1693.6	1632.2
142.5°	1936.2	1804.5	1790.4	1733.6	1676.8
145°	1965.9	1856.5	1844.2	1794.7	1745.1
147.5°	2009.5	1921.9	1909.8	1861.6	1813.4
150°	2032.3	1956.1	1945.2	1901.6	1858.0
152.5°	2047.2	1978.4	1970.1	1937.1	1904.1
155°	2079.8	2027.3	2021.2	1996.8	1972.3
157.5°	2112.5	2076.4	2070.4	2046.6	2022.9
160°	2127.3	2098.7	2094.1	2075.5	2057.1
162.5°	2143.2	2122.4	2118.9	2105.1	2091.2
165°	2166.0	2156.5	2153.3	2140.8	2128.3
167.5°	2183.8	2175.8	2174.4	2168.5	2162.5
170°	2198.6	2198.1	2196.7	2190.7	2184.8
172.5°	2199.6	2199.6	2199.3	2198.0	2196.7
175°	2208.5	2213.0	2213.0	2213.0	2213.0
177.5°	2209.6	2213.0	2213.0	2213.0	2213.0
180°	2213.0	2213.0	2213.0	2213.0	2213.0



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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	8.55	9.23	9.68	10.36	11.92	11.40	12.08	12.53	13.21	14.77
	3H	9.01	9.62	10.15	10.76	12.34	12.74	13.35	13.88	14.48	16.06
	4H	9.19	9.77	10.34	10.91	12.50	13.18	13.76	14.33	14.89	16.48
	6H	9.30	9.84	10.46	10.97	12.57	13.46	13.99	14.62	15.13	16.73
	8H	9.30	9.81	10.46	10.96	12.55	13.53	14.04	14.69	15.19	16.78
	12H	9.26	9.75	10.43	10.89	12.50	13.56	14.05	14.73	15.19	16.81
4H	2H	9.56	10.14	10.72	11.28	12.86	11.78	12.37	12.94	13.50	15.09
	3H	10.57	11.06	11.74	12.22	13.82	13.28	13.76	14.44	14.92	16.52
	4H	10.84	11.29	12.01	12.43	14.05	13.80	14.25	14.97	15.40	17.02
	6H	10.96	11.34	12.13	12.51	14.12	14.16	14.55	15.34	15.72	17.33
	8H	10.96	11.31	12.13	12.48	14.10	14.27	14.63	15.44	15.79	17.41
	12H	10.92	11.24	12.10	12.41	14.04	14.32	14.65	15.51	15.82	17.45
8H	4H	11.28	11.64	12.45	12.80	14.43	13.91	14.27	15.08	15.43	17.06
	6H	11.54	11.83	12.73	13.04	14.66	14.35	14.64	15.54	15.85	17.47
	8H	11.58	11.83	12.77	13.02	14.66	14.50	14.76	15.70	15.94	17.58
	12H	11.55	11.78	12.75	12.96	14.63	14.60	14.82	15.79	16.00	17.68
12H	4H	11.28	11.61	12.47	12.78	14.41	13.87	14.19	15.06	15.37	17.00
	6H	11.60	11.85	12.79	13.04	14.68	14.34	14.60	15.54	15.78	17.42
	8H	11.66	11.88	12.85	13.06	14.74	14.50	14.73	15.70	15.90	17.58