

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: P935628

Luminaire Tested: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935628
REPORT IS A COMBINATION OF REPORTS P933761 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-12-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

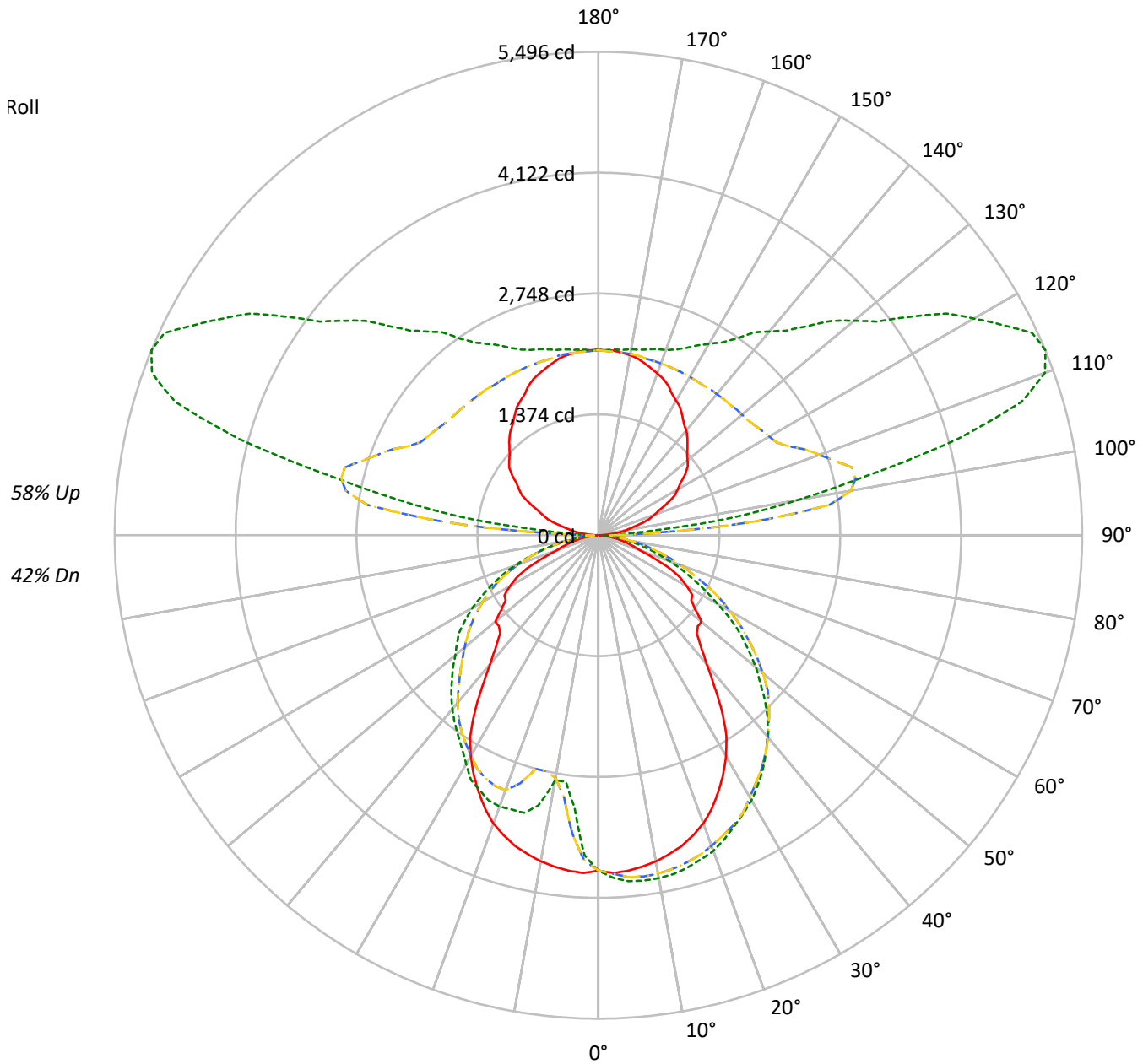
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23536.9 lumens
Efficiency: N/A
Efficacy: 121.8 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): 193.2
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-125U-100D-92765-1D-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	0
RCR																		
0	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	42
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	35
2	87	80	74	69	80	73	68	64	61	57	54	49	46	44	38	36	35	30
3	80	70	63	57	72	65	58	53	53	49	45	43	40	37	34	31	30	25
4	73	62	54	49	66	57	50	45	47	42	38	38	35	32	30	28	25	22
5	67	55	47	41	61	51	44	39	42	37	33	34	31	27	27	24	22	19
6	62	50	42	36	56	46	39	33	38	33	29	31	27	24	24	22	19	16
7	57	45	37	31	52	41	34	29	34	29	25	28	24	21	22	19	17	15
8	53	40	33	28	48	37	31	26	31	26	22	26	22	19	20	18	15	13
9	49	37	30	25	45	34	27	23	29	24	20	24	20	17	19	16	14	12
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11788	11788	11788	11788
5°	11880	11899	11880	9357
10°	11805	11721	11805	8380
15°	11681	11467	11681	9576
20°	11441	11167	11441	9596
25°	10946	10728	10946	9392
30°	10304	10364	10304	8946
35°	9191	9903	9191	8455
40°	7663	9360	7663	8084
45°	6851	8725	6851	7658
50°	7284	7968	7284	7231
55°	6859	7152	6859	6983
60°	7080	6074	7080	6396
65°	6430	5021	6430	5613
70°	4463	4002	4463	4705
75°	3928	2958	3928	3543
80°	3189	1956	3189	2129
85°	1870	1036	1870	881

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10493 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.0	1.5
10°-20°	976.8	4.1
20°-30°	1509.9	6.4
30°-40°	1802.5	7.7
40°-50°	1813.0	7.7
50°-60°	1577.6	6.7
60°-70°	1118.5	4.8
70°-80°	591.8	2.5
80°-90°	155.4	0.7
90°-100°	1026.2	4.4
100°-110°	2697.9	11.5
110°-120°	2797.5	11.9
120°-130°	2243.9	9.5
130°-140°	1760.7	7.5
140°-150°	1351.4	5.7
150°-160°	973.2	4.1
160°-170°	595.5	2.5
170°-180°	201.2	0.9
0°-30°	2830.7	12.0
0°-40°	4633.1	19.7
0°-60°	8023.7	34.1
0°-90°	9889.4	42.0
90°-120°	6521.6	27.7
90°-150°	11877.6	50.5
90°-180°	13647.0	58.0
0°-180°	23536.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3811	3811	3811	3811	3811	
5°	3829	3948	3829	3104	3829	363
15°	3656	3912	3656	3267	3656	1029
25°	3220	3649	3220	3194	3220	1478
35°	2448	3256	2448	2780	2448	1515
45°	1579	2682	1579	2354	1579	1265
55°	1287	1980	1287	1932	1287	1183
65°	894	1193	894	1334	894	855
75°	339	566	339	678	339	356
85°	58	144	58	123	58	78
90°	14	54	14	54	14	14
95°	136	620	136	620	136	151
105°	486	4225	486	4225	486	515
115°	863	5440	863	5440	863	853
125°	1201	4332	1201	4332	1201	1066
135°	1431	3361	1431	3361	1431	1107
145°	1660	2727	1660	2727	1660	1040
155°	1876	2348	1876	2348	1876	862
165°	2025	2187	2025	2187	2025	571
175°	2105	2119	2105	2119	2105	200
180°	2105	2105	2105	2105	2105	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0
2.5°	3843.5	3843.5	3865.1	3872.3	3872.3	3861.5	3850.7	3861.5	3894.0	3904.8	3901.2
5°	3829.1	3858.0	3897.6	3904.8	3912.0	3908.4	3901.2	3908.4	3944.5	3951.6	3955.3
7.5°	3800.2	3854.3	3904.8	3915.6	3926.4	3915.6	3912.0	3919.3	3955.3	3962.5	3962.5
10°	3764.2	3839.9	3897.6	3904.8	3915.6	3904.8	3904.8	3919.3	3955.3	3962.5	3966.1
12.5°	3713.7	3818.3	3872.3	3879.6	3894.0	3890.3	3886.8	3901.2	3937.3	3944.5	3944.5
15°	3656.0	3778.6	3829.1	3836.3	3861.5	3854.3	3854.3	3868.8	3908.4	3919.3	3915.6
17.5°	3576.7	3728.1	3785.8	3796.6	3814.7	3811.0	3814.7	3829.1	3865.1	3872.3	3876.0
20°	3486.5	3659.7	3728.1	3739.0	3757.0	3757.0	3757.0	3775.0	3811.0	3825.5	3825.5
22.5°	3363.9	3587.5	3659.7	3666.8	3688.5	3688.5	3695.7	3720.9	3753.3	3757.0	3757.0
25°	3219.8	3508.2	3569.5	3591.2	3612.7	3623.5	3634.4	3648.8	3659.7	3656.0	3659.7
27.5°	3068.3	3407.2	3486.5	3501.0	3529.8	3540.7	3555.0	3558.7	3562.2	3573.1	3565.9
30°	2898.8	3266.6	3385.6	3400.0	3446.9	3454.1	3439.7	3446.9	3464.9	3472.2	3479.4
32.5°	2707.7	3057.5	3281.1	3313.4	3356.7	3335.1	3331.5	3342.4	3371.2	3371.2	3378.4
35°	2448.2	2895.3	3183.7	3212.6	3244.9	3219.8	3234.1	3237.8	3255.8	3266.6	3263.0
37.5°	2163.3	2754.7	3082.8	3104.4	3129.6	3097.1	3118.8	3129.6	3144.1	3136.8	3136.8
40°	1911.0	2534.7	2963.8	2978.2	2999.8	2974.6	2996.2	3003.4	3010.6	3003.4	2999.8
42.5°	1723.5	2293.1	2837.5	2855.6	2841.2	2859.2	2866.4	2880.8	2870.0	2855.6	2855.6
45°	1579.2	2228.2	2700.5	2722.2	2700.5	2729.4	2740.2	2740.2	2707.7	2700.5	2697.0
47.5°	1532.4	2098.4	2563.5	2563.5	2552.7	2588.7	2606.8	2581.5	2549.1	2538.3	2538.3
50°	1528.7	1954.2	2376.1	2361.6	2412.1	2455.4	2437.4	2412.1	2386.9	2347.2	2347.2
52.5°	1388.1	1777.5	2134.5	2188.6	2267.9	2293.1	2264.3	2239.1	2195.8	2177.8	2163.3
55°	1287.1	1593.7	1914.5	2022.7	2105.6	2138.1	2084.0	2058.8	1993.8	1983.0	1975.8
57.5°	1265.6	1326.8	1712.7	1849.7	1950.6	1947.0	1914.5	1867.7	1813.5	1802.8	1799.2
60°	1161.0	959.0	1496.3	1658.5	1763.1	1752.3	1723.5	1680.2	1629.7	1622.5	1615.2
62.5°	1052.8	695.9	1251.1	1435.0	1582.9	1579.2	1554.0	1489.1	1453.1	1435.0	1420.6
65°	894.2	584.1	890.5	1193.4	1406.1	1413.4	1359.3	1312.4	1272.8	1251.1	1247.5
67.5°	681.4	475.9	602.1	995.1	1236.7	1229.5	1161.0	1139.3	1088.8	1078.0	1056.5
70°	504.8	317.3	418.3	807.7	1070.8	1052.8	998.7	973.5	926.6	901.4	887.0
72.5°	418.3	256.0	306.5	627.4	901.4	879.7	832.9	804.0	764.4	742.7	728.3
75°	338.9	270.4	234.3	465.1	731.9	717.5	674.2	645.4	612.9	584.1	587.7
77.5°	248.8	252.4	187.5	342.6	580.5	558.9	533.6	497.6	483.1	454.3	454.3
80°	187.5	198.3	140.6	234.3	418.3	418.3	396.6	371.4	346.1	331.7	331.7
82.5°	126.2	126.2	104.5	147.8	284.8	274.0	259.6	252.4	238.0	230.8	230.8
85°	57.7	72.1	64.9	90.1	155.0	162.3	162.3	155.0	151.5	144.2	147.8
87.5°	18.0	32.5	39.7	50.5	79.3	83.0	86.5	86.5	86.5	90.1	90.1
90°	14.1	25.4	36.7	39.6	62.1	92.2	107.3	95.4	71.6	53.7	53.7
92.5°	56.5	152.5	248.7	272.7	383.4	531.0	604.7	530.0	380.5	268.4	257.8
95°	135.6	311.5	487.3	531.2	943.3	1492.8	1767.5	1577.2	1196.7	911.4	879.0
97.5°	234.5	389.6	544.8	583.5	1270.7	2186.9	2645.0	2524.7	2284.2	2103.8	2042.2
100°	310.8	451.5	592.2	627.4	1389.8	2406.5	2914.8	2923.7	2941.2	2954.4	2881.1
102.5°	375.9	507.1	638.3	671.1	1444.5	2475.6	2991.2	3144.3	3450.8	3680.7	3617.9
105°	486.0	597.2	708.3	736.2	1485.0	2483.4	2982.6	3326.1	4013.1	4528.4	4494.6
107.5°	599.1	702.7	806.3	832.2	1492.5	2373.0	2813.1	3292.2	4250.5	4969.2	4977.4
110°	675.4	768.9	862.5	885.9	1481.2	2274.9	2671.8	3207.5	4278.8	5082.2	5117.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	750.3	839.4	928.6	950.8	1481.6	2189.4	2543.3	3091.5	4187.9	5010.2	5064.2
115°	863.2	945.5	1027.8	1048.4	1495.4	2091.3	2389.3	2917.4	3973.6	4765.8	4840.6
117.5°	974.9	1049.6	1124.4	1143.0	1523.1	2029.9	2283.3	2759.9	3713.1	4428.0	4511.1
120°	1039.9	1110.2	1180.6	1198.2	1545.7	2009.2	2240.9	2676.4	3547.4	4200.6	4281.3
122.5°	1103.5	1174.4	1245.4	1263.1	1578.2	1998.4	2208.4	2600.6	3384.9	3973.1	4052.7
125°	1201.0	1265.7	1330.3	1346.5	1622.1	1989.4	2173.0	2506.1	3172.5	3672.1	3745.4
127.5°	1280.1	1345.4	1410.8	1427.0	1665.8	1984.2	2143.4	2429.4	3001.4	3430.5	3492.4
130°	1322.5	1392.8	1463.2	1480.7	1697.8	1987.4	2132.1	2386.7	2896.0	3278.0	3335.1
132.5°	1366.3	1436.6	1507.0	1524.6	1723.8	1989.4	2122.2	2350.1	2806.0	3148.0	3199.2
135°	1431.3	1495.4	1559.4	1575.4	1752.1	1987.6	2105.3	2296.2	2678.0	2964.3	3008.4
137.5°	1497.7	1561.1	1624.5	1640.3	1794.3	1999.7	2102.4	2263.8	2586.6	2828.6	2864.7
140°	1552.8	1611.1	1669.5	1684.2	1820.3	2001.7	2092.5	2231.9	2510.7	2719.8	2753.6
142.5°	1595.1	1649.2	1703.2	1716.7	1841.9	2009.0	2092.5	2215.0	2459.9	2643.6	2672.6
145°	1660.2	1707.3	1754.4	1766.2	1870.2	2009.0	2078.4	2178.6	2378.9	2529.1	2551.1
147.5°	1725.1	1771.0	1816.8	1828.3	1911.7	2022.9	2078.4	2157.2	2314.8	2433.0	2451.2
150°	1767.5	1809.0	1850.5	1860.8	1933.3	2030.0	2078.4	2145.0	2278.1	2377.9	2392.6
152.5°	1811.4	1842.7	1874.2	1882.0	1947.5	2034.8	2078.4	2135.3	2248.9	2334.1	2345.3
155°	1876.3	1899.6	1922.8	1928.6	1978.6	2045.1	2078.4	2123.6	2214.1	2281.8	2289.2
157.5°	1924.4	1947.0	1969.6	1975.3	2009.7	2055.5	2078.4	2113.5	2183.9	2236.6	2241.8
160°	1956.9	1974.5	1992.1	1996.5	2023.8	2060.2	2078.4	2108.5	2168.8	2214.1	2217.1
162.5°	1989.4	2002.6	2015.8	2019.0	2038.9	2065.2	2078.4	2103.9	2154.7	2192.9	2195.7
165°	2024.7	2036.6	2048.5	2051.5	2060.5	2072.4	2078.4	2096.6	2133.0	2160.3	2163.3
167.5°	2057.2	2062.9	2068.5	2069.9	2077.4	2087.5	2092.5	2104.4	2128.3	2146.2	2147.5
170°	2078.4	2084.1	2089.7	2091.1	2091.5	2092.2	2092.5	2104.4	2128.3	2146.2	2146.2
172.5°	2089.7	2091.0	2092.3	2092.5	2092.5	2092.5	2092.5	2102.0	2120.8	2134.9	2133.8
175°	2105.3	2105.3	2105.3	2105.3	2101.0	2095.3	2092.5	2098.5	2110.4	2119.4	2119.4
177.5°	2105.3	2105.3	2105.3	2105.3	2102.0	2097.5	2095.3	2100.1	2109.4	2116.5	2115.3
180°	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0
2.5°	3908.4	3897.6	3908.4	3901.2	3904.8	3894.0	3861.5	3850.7	3861.5	3872.3	3872.3
5°	3955.3	3948.1	3955.3	3955.3	3951.6	3944.5	3908.4	3901.2	3908.4	3912.0	3904.8
7.5°	3969.7	3958.9	3969.7	3962.5	3962.5	3955.3	3919.3	3912.0	3915.6	3926.4	3915.6
10°	3969.7	3958.9	3969.7	3966.1	3962.5	3955.3	3919.3	3904.8	3904.8	3915.6	3904.8
12.5°	3951.6	3944.5	3951.6	3944.5	3944.5	3937.3	3901.2	3886.8	3890.3	3894.0	3879.6
15°	3922.8	3912.0	3922.8	3915.6	3919.3	3908.4	3868.8	3854.3	3854.3	3861.5	3836.3
17.5°	3879.6	3865.1	3879.6	3876.0	3872.3	3865.1	3829.1	3814.7	3811.0	3814.7	3796.6
20°	3829.1	3818.3	3829.1	3825.5	3825.5	3811.0	3775.0	3757.0	3757.0	3757.0	3739.0
22.5°	3749.8	3739.0	3749.8	3757.0	3757.0	3753.3	3720.9	3695.7	3688.5	3688.5	3666.8
25°	3659.7	3648.8	3659.7	3659.7	3656.0	3659.7	3648.8	3634.4	3623.5	3612.7	3591.2
27.5°	3573.1	3565.9	3573.1	3565.9	3573.1	3562.2	3558.7	3555.0	3540.7	3529.8	3501.0
30°	3486.5	3479.4	3486.5	3479.4	3472.2	3464.9	3446.9	3439.7	3454.1	3446.9	3400.0
32.5°	3378.4	3371.2	3378.4	3378.4	3371.2	3371.2	3342.4	3331.5	3335.1	3356.7	3313.4
35°	3266.6	3255.8	3266.6	3263.0	3266.6	3255.8	3237.8	3234.1	3219.8	3244.9	3212.6
37.5°	3136.8	3126.0	3136.8	3136.8	3136.8	3144.1	3129.6	3118.8	3097.1	3129.6	3104.4
40°	3003.4	2989.0	3003.4	2999.8	3003.4	3010.6	3003.4	2996.2	2974.6	2999.8	2978.2
42.5°	2852.0	2848.3	2852.0	2855.6	2855.6	2870.0	2880.8	2866.4	2859.2	2841.2	2855.6
45°	2689.7	2682.5	2689.7	2697.0	2700.5	2707.7	2740.2	2740.2	2729.4	2700.5	2722.2
47.5°	2516.7	2498.7	2516.7	2538.3	2538.3	2549.1	2581.5	2606.8	2588.7	2552.7	2563.5
50°	2332.8	2336.4	2332.8	2347.2	2347.2	2386.9	2412.1	2437.4	2455.4	2412.1	2361.6
52.5°	2152.5	2148.9	2152.5	2163.3	2177.8	2195.8	2239.1	2264.3	2293.1	2267.9	2188.6
55°	1972.2	1979.5	1972.2	1975.8	1983.0	1993.8	2058.8	2084.0	2138.1	2105.6	2022.7
57.5°	1792.0	1781.2	1792.0	1799.2	1802.8	1813.5	1867.7	1914.5	1947.0	1950.6	1849.7
60°	1582.9	1568.4	1582.9	1615.2	1622.5	1629.7	1680.2	1723.5	1752.3	1763.1	1658.5
62.5°	1398.9	1373.7	1398.9	1420.6	1435.0	1453.1	1489.1	1554.0	1579.2	1582.9	1435.0
65°	1204.3	1193.4	1204.3	1247.5	1251.1	1272.8	1312.4	1359.3	1413.4	1406.1	1193.4
67.5°	1027.6	1027.6	1027.6	1056.5	1078.0	1088.8	1139.3	1161.0	1229.5	1236.7	995.1
70°	865.3	861.7	865.3	887.0	901.4	926.6	973.5	998.7	1052.8	1070.8	807.7
72.5°	710.3	706.7	710.3	728.3	742.7	764.4	804.0	832.9	879.7	901.4	627.4
75°	573.3	566.1	573.3	587.7	584.1	612.9	645.4	674.2	717.5	731.9	465.1
77.5°	439.9	439.9	439.9	454.3	454.3	483.1	497.6	533.6	558.9	580.5	342.6
80°	328.1	324.5	328.1	331.7	331.7	346.1	371.4	396.6	418.3	418.3	234.3
82.5°	230.8	223.5	230.8	230.8	230.8	238.0	252.4	259.6	274.0	284.8	147.8
85°	144.2	144.2	144.2	147.8	144.2	151.5	155.0	162.3	162.3	155.0	90.1
87.5°	93.8	90.1	93.8	90.1	90.1	86.5	86.5	86.5	83.0	79.3	50.5
90°	53.7	53.7	53.7	53.7	53.7	71.6	95.4	107.3	92.2	62.1	39.6
92.5°	215.0	172.4	215.0	257.8	268.4	380.5	530.0	604.7	531.0	383.4	272.7
95°	749.6	620.3	749.6	879.0	911.4	1196.7	1577.2	1767.5	1492.8	943.3	531.2
97.5°	1796.1	1549.9	1796.1	2042.2	2103.8	2284.2	2524.7	2645.0	2186.9	1270.7	583.5
100°	2587.8	2294.6	2587.8	2881.1	2954.4	2941.2	2923.7	2914.8	2406.5	1389.8	627.4
102.5°	3366.7	3115.5	3366.7	3617.9	3680.7	3450.8	3144.3	2991.2	2475.6	1444.5	671.1
105°	4359.6	4224.6	4359.6	4494.6	4528.4	4013.1	3326.1	2982.6	2483.4	1485.0	736.2
107.5°	5010.0	5042.7	5010.0	4977.4	4969.2	4250.5	3292.2	2813.1	2373.0	1492.5	832.2
110°	5258.1	5398.7	5258.1	5117.4	5082.2	4278.8	3207.5	2671.8	2274.9	1481.2	885.9



TEST NUMBER: P935628

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5280.2	5496.2	5280.2	5064.2	5010.2	4187.9	3091.5	2543.3	2189.4	1481.6	950.8
115°	5140.2	5439.7	5140.2	4840.6	4765.8	3973.6	2917.4	2389.3	2091.3	1495.4	1048.4
117.5°	4843.3	5175.5	4843.3	4511.1	4428.0	3713.1	2759.9	2283.3	2029.9	1523.1	1143.0
120°	4604.0	4926.8	4604.0	4281.3	4200.6	3547.4	2676.4	2240.9	2009.2	1545.7	1198.2
122.5°	4371.1	4689.5	4371.1	4052.7	3973.1	3384.9	2600.6	2208.4	1998.4	1578.2	1263.1
125°	4038.7	4332.0	4038.7	3745.4	3672.1	3172.5	2506.1	2173.0	1989.4	1622.1	1346.5
127.5°	3739.8	3987.2	3739.8	3492.4	3430.5	3001.4	2429.4	2143.4	1984.2	1665.8	1427.0
130°	3563.7	3792.3	3563.7	3335.1	3278.0	2896.0	2386.7	2132.1	1987.4	1697.8	1480.7
132.5°	3403.9	3608.5	3403.9	3199.2	3148.0	2806.0	2350.1	2122.2	1989.4	1723.8	1524.6
135°	3184.8	3361.3	3184.8	3008.4	2964.3	2678.0	2296.2	2105.3	1987.6	1752.1	1575.4
137.5°	3009.2	3153.6	3009.2	2864.7	2828.6	2586.6	2263.8	2102.4	1999.7	1794.3	1640.3
140°	2888.6	3023.6	2888.6	2753.6	2719.8	2510.7	2231.9	2092.5	2001.7	1820.3	1684.2
142.5°	2788.8	2904.9	2788.8	2672.6	2643.6	2459.9	2215.0	2092.5	2009.0	1841.9	1716.7
145°	2638.9	2726.9	2638.9	2551.1	2529.1	2378.9	2178.6	2078.4	2009.0	1870.2	1766.2
147.5°	2524.1	2596.9	2524.1	2451.2	2433.0	2314.8	2157.2	2078.4	2022.9	1911.7	1828.3
150°	2451.7	2510.8	2451.7	2392.6	2377.9	2278.1	2145.0	2078.4	2030.0	1933.3	1860.8
152.5°	2389.9	2434.5	2389.9	2345.3	2334.1	2248.9	2135.3	2078.4	2034.8	1947.5	1882.0
155°	2318.8	2348.2	2318.8	2289.2	2281.8	2214.1	2123.6	2078.4	2045.1	1978.6	1928.6
157.5°	2262.5	2283.3	2262.5	2241.8	2236.6	2183.9	2113.5	2078.4	2055.5	2009.7	1975.3
160°	2229.0	2240.9	2229.0	2217.1	2214.1	2168.8	2108.5	2078.4	2060.2	2023.8	1996.5
162.5°	2207.0	2218.2	2207.0	2195.7	2192.9	2154.7	2103.9	2078.4	2065.2	2038.9	2019.0
165°	2175.2	2187.2	2175.2	2163.3	2160.3	2133.0	2096.6	2078.4	2072.4	2060.5	2051.5
167.5°	2152.5	2157.5	2152.5	2147.5	2146.2	2128.3	2104.4	2092.5	2087.5	2077.4	2069.9
170°	2146.2	2146.2	2146.2	2146.2	2146.2	2128.3	2104.4	2092.5	2092.2	2091.5	2091.1
172.5°	2129.4	2125.0	2129.4	2133.8	2134.9	2120.8	2102.0	2092.5	2092.5	2092.5	2092.5
175°	2119.4	2119.4	2119.4	2119.4	2119.4	2110.4	2098.5	2092.5	2095.3	2101.0	2105.3
177.5°	2110.3	2105.3	2110.3	2115.3	2116.5	2109.4	2100.1	2095.3	2097.5	2102.0	2105.3
180°	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0
2.5°	3865.1	3843.5	3843.5	3807.5	3793.0	3782.2	3764.2	3710.1	3695.7	3681.2	3702.9
5°	3897.6	3858.0	3829.1	3764.2	3710.1	3688.5	3620.0	3490.2	3403.6	3338.7	3302.7
7.5°	3904.8	3854.3	3800.2	3699.3	3569.5	3511.8	3302.7	3064.7	2999.8	2942.1	2906.0
10°	3897.6	3839.9	3764.2	3612.7	3306.3	3205.3	2996.2	2841.2	2801.5	2790.7	2801.5
12.5°	3872.3	3818.3	3713.7	3461.4	3032.3	2963.8	2841.2	2751.0	2743.8	2761.8	2859.2
15°	3829.1	3778.6	3656.0	3259.4	2880.8	2830.3	2743.8	2711.4	2751.0	2877.2	3169.3
17.5°	3785.8	3728.1	3576.7	3061.1	2765.5	2729.4	2668.1	2733.0	2956.5	3126.0	3223.4
20°	3728.1	3659.7	3486.5	2916.8	2682.5	2650.0	2621.2	2913.3	3082.8	3144.1	3198.1
22.5°	3659.7	3587.5	3363.9	2816.0	2596.0	2570.7	2588.7	3014.3	3082.8	3126.0	3172.9
25°	3569.5	3508.2	3219.8	2736.6	2527.5	2498.7	2567.2	3003.4	3043.1	3053.9	3147.6
27.5°	3486.5	3407.2	3068.3	2664.5	2444.6	2433.7	2585.2	2956.5	2985.4	2996.2	3097.1
30°	3385.6	3266.6	2898.8	2588.7	2358.1	2354.4	2588.7	2898.8	2891.6	2920.5	3021.5
32.5°	3281.1	3057.5	2707.7	2495.0	2275.1	2271.5	2563.5	2812.3	2805.1	2844.8	2920.5
35°	3183.7	2895.3	2448.2	2386.9	2170.6	2174.1	2502.2	2711.4	2715.0	2751.0	2797.9
37.5°	3082.8	2754.7	2163.3	2267.9	2069.6	2069.6	2419.3	2617.7	2610.4	2621.2	2686.2
40°	2963.8	2534.7	1911.0	2112.8	1975.8	1965.0	2318.4	2516.7	2491.4	2487.9	2578.0
42.5°	2837.5	2293.1	1723.5	1907.3	1867.7	1853.2	2195.8	2394.1	2347.2	2358.1	2473.4
45°	2700.5	2228.2	1579.2	1611.7	1755.9	1745.0	2062.3	2253.4	2221.0	2249.9	2368.9
47.5°	2563.5	2098.4	1532.4	1337.6	1636.9	1633.3	1914.5	2116.5	2098.4	2127.3	2253.4
50°	2376.1	1954.2	1528.7	1146.6	1503.5	1517.9	1737.9	1983.0	1983.0	2008.3	2141.6
52.5°	2134.5	1777.5	1388.1	1038.4	1348.4	1391.7	1582.9	1867.7	1874.9	1900.1	2019.1
55°	1914.5	1593.7	1287.1	955.5	1164.6	1258.3	1431.4	1748.7	1763.1	1788.3	1896.5
57.5°	1712.7	1326.8	1265.6	858.2	995.1	1085.3	1298.0	1633.3	1640.5	1662.2	1766.7
60°	1496.3	959.0	1161.0	753.5	847.3	915.8	1175.4	1496.3	1521.5	1535.9	1626.1
62.5°	1251.1	695.9	1052.8	681.4	775.2	789.7	1074.5	1366.5	1398.9	1409.8	1463.9
65°	890.5	584.1	894.2	620.2	699.5	703.1	966.3	1233.1	1261.9	1280.0	1319.6
67.5°	602.1	475.9	681.4	562.4	641.7	645.4	861.7	1078.0	1117.7	1132.1	1157.4
70°	418.3	317.3	504.8	501.2	576.9	584.1	750.0	937.5	973.5	984.3	998.7
72.5°	306.5	256.0	418.3	450.7	508.4	515.6	634.6	778.8	814.9	825.7	832.9
75°	234.3	270.4	338.9	393.0	432.6	436.3	519.2	634.6	659.9	667.0	670.6
77.5°	187.5	252.4	248.8	317.3	353.3	346.1	407.4	490.4	511.9	511.9	511.9
80°	140.6	198.3	187.5	227.1	259.6	252.4	292.1	349.8	356.9	364.1	360.6
82.5°	104.5	126.2	126.2	144.2	173.1	165.8	194.7	227.1	227.1	227.1	234.3
85°	64.9	72.1	57.7	75.7	97.3	93.8	108.2	122.6	126.2	126.2	119.0
87.5°	39.7	32.5	18.0	28.8	43.3	43.3	50.5	54.1	50.5	50.5	50.5
90°	36.7	25.4	14.1	25.4	36.7	39.6	62.1	92.2	107.3	95.4	71.6
92.5°	248.7	152.5	56.5	152.5	248.7	272.7	383.4	531.0	604.7	530.0	380.5
95°	487.3	311.5	135.6	311.5	487.3	531.2	943.3	1492.8	1767.5	1577.2	1196.7
97.5°	544.8	389.6	234.5	389.6	544.8	583.5	1270.7	2186.9	2645.0	2524.7	2284.2
100°	592.2	451.5	310.8	451.5	592.2	627.4	1389.8	2406.5	2914.8	2923.7	2941.2
102.5°	638.3	507.1	375.9	507.1	638.3	671.1	1444.5	2475.6	2991.2	3144.3	3450.8
105°	708.3	597.2	486.0	597.2	708.3	736.2	1485.0	2483.4	2982.6	3326.1	4013.1
107.5°	806.3	702.7	599.1	702.7	806.3	832.2	1492.5	2373.0	2813.1	3292.2	4250.5
110°	862.5	768.9	675.4	768.9	862.5	885.9	1481.2	2274.9	2671.8	3207.5	4278.8



TEST NUMBER: P935628

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	928.6	839.4	750.3	839.4	928.6	950.8	1481.6	2189.4	2543.3	3091.5	4187.9
115°	1027.8	945.5	863.2	945.5	1027.8	1048.4	1495.4	2091.3	2389.3	2917.4	3973.6
117.5°	1124.4	1049.6	974.9	1049.6	1124.4	1143.0	1523.1	2029.9	2283.3	2759.9	3713.1
120°	1180.6	1110.2	1039.9	1110.2	1180.6	1198.2	1545.7	2009.2	2240.9	2676.4	3547.4
122.5°	1245.4	1174.4	1103.5	1174.4	1245.4	1263.1	1578.2	1998.4	2208.4	2600.6	3384.9
125°	1330.3	1265.7	1201.0	1265.7	1330.3	1346.5	1622.1	1989.4	2173.0	2506.1	3172.5
127.5°	1410.8	1345.4	1280.1	1345.4	1410.8	1427.0	1665.8	1984.2	2143.4	2429.4	3001.4
130°	1463.2	1392.8	1322.5	1392.8	1463.2	1480.7	1697.8	1987.4	2132.1	2386.7	2896.0
132.5°	1507.0	1436.6	1366.3	1436.6	1507.0	1524.6	1723.8	1989.4	2122.2	2350.1	2806.0
135°	1559.4	1495.4	1431.3	1495.4	1559.4	1575.4	1752.1	1987.6	2105.3	2296.2	2678.0
137.5°	1624.5	1561.1	1497.7	1561.1	1624.5	1640.3	1794.3	1999.7	2102.4	2263.8	2586.6
140°	1669.5	1611.1	1552.8	1611.1	1669.5	1684.2	1820.3	2001.7	2092.5	2231.9	2510.7
142.5°	1703.2	1649.2	1595.1	1649.2	1703.2	1716.7	1841.9	2009.0	2092.5	2215.0	2459.9
145°	1754.4	1707.3	1660.2	1707.3	1754.4	1766.2	1870.2	2009.0	2078.4	2178.6	2378.9
147.5°	1816.8	1771.0	1725.1	1771.0	1816.8	1828.3	1911.7	2022.9	2078.4	2157.2	2314.8
150°	1850.5	1809.0	1767.5	1809.0	1850.5	1860.8	1933.3	2030.0	2078.4	2145.0	2278.1
152.5°	1874.2	1842.7	1811.4	1842.7	1874.2	1882.0	1947.5	2034.8	2078.4	2135.3	2248.9
155°	1922.8	1899.6	1876.3	1899.6	1922.8	1928.6	1978.6	2045.1	2078.4	2123.6	2214.1
157.5°	1969.6	1947.0	1924.4	1947.0	1969.6	1975.3	2009.7	2055.5	2078.4	2113.5	2183.9
160°	1992.1	1974.5	1956.9	1974.5	1992.1	1996.5	2023.8	2060.2	2078.4	2108.5	2168.8
162.5°	2015.8	2002.6	1989.4	2002.6	2015.8	2019.0	2038.9	2065.2	2078.4	2103.9	2154.7
165°	2048.5	2036.6	2024.7	2036.6	2048.5	2051.5	2060.5	2072.4	2078.4	2096.6	2133.0
167.5°	2068.5	2062.9	2057.2	2062.9	2068.5	2069.9	2077.4	2087.5	2092.5	2104.4	2128.3
170°	2089.7	2084.1	2078.4	2084.1	2089.7	2091.1	2091.5	2092.2	2092.5	2104.4	2128.3
172.5°	2092.3	2091.0	2089.7	2091.0	2092.3	2092.5	2092.5	2092.5	2092.5	2102.0	2120.8
175°	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2101.0	2095.3	2092.5	2098.5	2110.4
177.5°	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2102.0	2097.5	2095.3	2100.1	2109.4
180°	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0
2.5°	3677.7	3666.8	3681.2	3641.5	3681.2	3666.8	3677.7	3702.9	3681.2	3695.7	3710.1
5°	3226.9	3208.9	3151.3	3104.4	3151.3	3208.9	3226.9	3302.7	3338.7	3403.6	3490.2
7.5°	2884.5	2870.0	2855.6	2826.7	2855.6	2870.0	2884.5	2906.0	2942.1	2999.8	3064.7
10°	2808.7	2812.3	2834.0	2830.3	2834.0	2812.3	2808.7	2801.5	2790.7	2801.5	2841.2
12.5°	3003.4	3035.8	3154.8	3147.6	3154.8	3035.8	3003.4	2859.2	2761.8	2743.8	2751.0
15°	3226.9	3237.8	3263.0	3266.6	3263.0	3237.8	3226.9	3169.3	2877.2	2751.0	2711.4
17.5°	3248.6	3252.2	3270.2	3270.2	3270.2	3252.2	3248.6	3223.4	3126.0	2956.5	2733.0
20°	3230.6	3237.8	3273.8	3281.1	3273.8	3237.8	3230.6	3198.1	3144.1	3082.8	2913.3
22.5°	3223.4	3237.8	3266.6	3263.0	3266.6	3237.8	3223.4	3172.9	3126.0	3082.8	3014.3
25°	3187.3	3187.3	3190.9	3194.5	3190.9	3187.3	3187.3	3147.6	3053.9	3043.1	3003.4
27.5°	3111.6	3118.8	3140.4	3136.8	3140.4	3118.8	3111.6	3097.1	2996.2	2985.4	2956.5
30°	3043.1	3035.8	3017.8	3003.4	3017.8	3035.8	3043.1	3021.5	2920.5	2891.6	2898.8
32.5°	2927.7	2909.7	2891.6	2880.8	2891.6	2909.7	2927.7	2920.5	2844.8	2805.1	2812.3
35°	2790.7	2794.3	2790.7	2779.9	2790.7	2794.3	2790.7	2797.9	2751.0	2715.0	2711.4
37.5°	2693.3	2700.5	2697.0	2682.5	2697.0	2700.5	2693.3	2686.2	2621.2	2610.4	2617.7
40°	2592.4	2596.0	2592.4	2581.5	2592.4	2596.0	2592.4	2578.0	2487.9	2491.4	2516.7
42.5°	2495.0	2491.4	2480.6	2473.4	2480.6	2491.4	2495.0	2473.4	2358.1	2347.2	2394.1
45°	2383.2	2386.9	2365.2	2354.4	2365.2	2386.9	2383.2	2368.9	2249.9	2221.0	2253.4
47.5°	2271.5	2271.5	2253.4	2242.6	2253.4	2271.5	2271.5	2253.4	2127.3	2098.4	2116.5
50°	2152.5	2148.9	2123.6	2120.1	2123.6	2148.9	2152.5	2141.6	2008.3	1983.0	1983.0
52.5°	2015.5	2015.5	2019.1	2026.3	2019.1	2015.5	2015.5	2019.1	1900.1	1874.9	1867.7
55°	1896.5	1900.1	1925.3	1932.5	1925.3	1900.1	1896.5	1896.5	1788.3	1763.1	1748.7
57.5°	1773.9	1773.9	1792.0	1792.0	1792.0	1773.9	1773.9	1766.7	1662.2	1640.5	1633.3
60°	1633.3	1640.5	1654.9	1651.4	1654.9	1640.5	1633.3	1626.1	1535.9	1521.5	1496.3
62.5°	1485.4	1492.7	1496.3	1489.1	1496.3	1492.7	1485.4	1463.9	1409.8	1398.9	1366.5
65°	1330.4	1337.6	1341.3	1334.1	1341.3	1337.6	1330.4	1319.6	1280.0	1261.9	1233.1
67.5°	1171.8	1168.2	1164.6	1179.0	1164.6	1168.2	1171.8	1157.4	1132.1	1117.7	1078.0
70°	1009.5	1009.5	1006.0	1013.2	1006.0	1009.5	1009.5	998.7	984.3	973.5	937.5
72.5°	836.5	832.9	847.3	836.5	847.3	832.9	836.5	832.9	825.7	814.9	778.8
75°	667.0	674.2	667.0	677.9	667.0	674.2	667.0	670.6	667.0	659.9	634.6
77.5°	508.4	515.6	508.4	508.4	508.4	515.6	508.4	511.9	511.9	511.9	490.4
80°	360.6	356.9	356.9	353.3	356.9	356.9	360.6	360.6	364.1	356.9	349.8
82.5°	230.8	227.1	227.1	234.3	227.1	227.1	230.8	234.3	227.1	227.1	227.1
85°	126.2	129.8	122.6	122.6	122.6	129.8	126.2	119.0	126.2	126.2	122.6
87.5°	46.8	43.3	43.3	43.3	43.3	43.3	46.8	50.5	50.5	50.5	54.1
90°	53.7	53.7	53.7	53.7	53.7	53.7	53.7	71.6	95.4	107.3	92.2
92.5°	268.4	257.8	215.0	172.4	215.0	257.8	268.4	380.5	530.0	604.7	531.0
95°	911.4	879.0	749.6	620.3	749.6	879.0	911.4	1196.7	1577.2	1767.5	1492.8
97.5°	2103.8	2042.2	1796.1	1549.9	1796.1	2042.2	2103.8	2284.2	2524.7	2645.0	2186.9
100°	2954.4	2881.1	2587.8	2294.6	2587.8	2881.1	2954.4	2941.2	2923.7	2914.8	2406.5
102.5°	3680.7	3617.9	3366.7	3115.5	3366.7	3617.9	3680.7	3450.8	3144.3	2991.2	2475.6
105°	4528.4	4494.6	4359.6	4224.6	4359.6	4494.6	4528.4	4013.1	3326.1	2982.6	2483.4
107.5°	4969.2	4977.4	5010.0	5042.7	5010.0	4977.4	4969.2	4250.5	3292.2	2813.1	2373.0
110°	5082.2	5117.4	5258.1	5398.7	5258.1	5117.4	5082.2	4278.8	3207.5	2671.8	2274.9



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5010.2	5064.2	5280.2	5496.2	5280.2	5064.2	5010.2	4187.9	3091.5	2543.3	2189.4
115°	4765.8	4840.6	5140.2	5439.7	5140.2	4840.6	4765.8	3973.6	2917.4	2389.3	2091.3
117.5°	4428.0	4511.1	4843.3	5175.5	4843.3	4511.1	4428.0	3713.1	2759.9	2283.3	2029.9
120°	4200.6	4281.3	4604.0	4926.8	4604.0	4281.3	4200.6	3547.4	2676.4	2240.9	2009.2
122.5°	3973.1	4052.7	4371.1	4689.5	4371.1	4052.7	3973.1	3384.9	2600.6	2208.4	1998.4
125°	3672.1	3745.4	4038.7	4332.0	4038.7	3745.4	3672.1	3172.5	2506.1	2173.0	1989.4
127.5°	3430.5	3492.4	3739.8	3987.2	3739.8	3492.4	3430.5	3001.4	2429.4	2143.4	1984.2
130°	3278.0	3335.1	3563.7	3792.3	3563.7	3335.1	3278.0	2896.0	2386.7	2132.1	1987.4
132.5°	3148.0	3199.2	3403.9	3608.5	3403.9	3199.2	3148.0	2806.0	2350.1	2122.2	1989.4
135°	2964.3	3008.4	3184.8	3361.3	3184.8	3008.4	2964.3	2678.0	2296.2	2105.3	1987.6
137.5°	2828.6	2864.7	3009.2	3153.6	3009.2	2864.7	2828.6	2586.6	2263.8	2102.4	1999.7
140°	2719.8	2753.6	2888.6	3023.6	2888.6	2753.6	2719.8	2510.7	2231.9	2092.5	2001.7
142.5°	2643.6	2672.6	2788.8	2904.9	2788.8	2672.6	2643.6	2459.9	2215.0	2092.5	2009.0
145°	2529.1	2551.1	2638.9	2726.9	2638.9	2551.1	2529.1	2378.9	2178.6	2078.4	2009.0
147.5°	2433.0	2451.2	2524.1	2596.9	2524.1	2451.2	2433.0	2314.8	2157.2	2078.4	2022.9
150°	2377.9	2392.6	2451.7	2510.8	2451.7	2392.6	2377.9	2278.1	2145.0	2078.4	2030.0
152.5°	2334.1	2345.3	2389.9	2434.5	2389.9	2345.3	2334.1	2248.9	2135.3	2078.4	2034.8
155°	2281.8	2289.2	2318.8	2348.2	2318.8	2289.2	2281.8	2214.1	2123.6	2078.4	2045.1
157.5°	2236.6	2241.8	2262.5	2283.3	2262.5	2241.8	2236.6	2183.9	2113.5	2078.4	2055.5
160°	2214.1	2217.1	2229.0	2240.9	2229.0	2217.1	2214.1	2168.8	2108.5	2078.4	2060.2
162.5°	2192.9	2195.7	2207.0	2218.2	2207.0	2195.7	2192.9	2154.7	2103.9	2078.4	2065.2
165°	2160.3	2163.3	2175.2	2187.2	2175.2	2163.3	2160.3	2133.0	2096.6	2078.4	2072.4
167.5°	2146.2	2147.5	2152.5	2157.5	2152.5	2147.5	2146.2	2128.3	2104.4	2092.5	2087.5
170°	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2	2128.3	2104.4	2092.5	2092.2
172.5°	2134.9	2133.8	2129.4	2125.0	2129.4	2133.8	2134.9	2120.8	2102.0	2092.5	2092.5
175°	2119.4	2119.4	2119.4	2119.4	2119.4	2119.4	2119.4	2110.4	2098.5	2092.5	2095.3
177.5°	2116.5	2115.3	2110.3	2105.3	2110.3	2115.3	2116.5	2109.4	2100.1	2095.3	2097.5
180°	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3811.0	3811.0	3811.0	3811.0	3811.0
2.5°	3764.2	3782.2	3793.0	3807.5	3843.5
5°	3620.0	3688.5	3710.1	3764.2	3829.1
7.5°	3302.7	3511.8	3569.5	3699.3	3800.2
10°	2996.2	3205.3	3306.3	3612.7	3764.2
12.5°	2841.2	2963.8	3032.3	3461.4	3713.7
15°	2743.8	2830.3	2880.8	3259.4	3656.0
17.5°	2668.1	2729.4	2765.5	3061.1	3576.7
20°	2621.2	2650.0	2682.5	2916.8	3486.5
22.5°	2588.7	2570.7	2596.0	2816.0	3363.9
25°	2567.2	2498.7	2527.5	2736.6	3219.8
27.5°	2585.2	2433.7	2444.6	2664.5	3068.3
30°	2588.7	2354.4	2358.1	2588.7	2898.8
32.5°	2563.5	2271.5	2275.1	2495.0	2707.7
35°	2502.2	2174.1	2170.6	2386.9	2448.2
37.5°	2419.3	2069.6	2069.6	2267.9	2163.3
40°	2318.4	1965.0	1975.8	2112.8	1911.0
42.5°	2195.8	1853.2	1867.7	1907.3	1723.5
45°	2062.3	1745.0	1755.9	1611.7	1579.2
47.5°	1914.5	1633.3	1636.9	1337.6	1532.4
50°	1737.9	1517.9	1503.5	1146.6	1528.7
52.5°	1582.9	1391.7	1348.4	1038.4	1388.1
55°	1431.4	1258.3	1164.6	955.5	1287.1
57.5°	1298.0	1085.3	995.1	858.2	1265.6
60°	1175.4	915.8	847.3	753.5	1161.0
62.5°	1074.5	789.7	775.2	681.4	1052.8
65°	966.3	703.1	699.5	620.2	894.2
67.5°	861.7	645.4	641.7	562.4	681.4
70°	750.0	584.1	576.9	501.2	504.8
72.5°	634.6	515.6	508.4	450.7	418.3
75°	519.2	436.3	432.6	393.0	338.9
77.5°	407.4	346.1	353.3	317.3	248.8
80°	292.1	252.4	259.6	227.1	187.5
82.5°	194.7	165.8	173.1	144.2	126.2
85°	108.2	93.8	97.3	75.7	57.7
87.5°	50.5	43.3	43.3	28.8	18.0
90°	62.1	39.6	36.7	25.4	14.1
92.5°	383.4	272.7	248.7	152.5	56.5
95°	943.3	531.2	487.3	311.5	135.6
97.5°	1270.7	583.5	544.8	389.6	234.5
100°	1389.8	627.4	592.2	451.5	310.8
102.5°	1444.5	671.1	638.3	507.1	375.9
105°	1485.0	736.2	708.3	597.2	486.0
107.5°	1492.5	832.2	806.3	702.7	599.1
110°	1481.2	885.9	862.5	768.9	675.4



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CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1481.6	950.8	928.6	839.4	750.3
115°	1495.4	1048.4	1027.8	945.5	863.2
117.5°	1523.1	1143.0	1124.4	1049.6	974.9
120°	1545.7	1198.2	1180.6	1110.2	1039.9
122.5°	1578.2	1263.1	1245.4	1174.4	1103.5
125°	1622.1	1346.5	1330.3	1265.7	1201.0
127.5°	1665.8	1427.0	1410.8	1345.4	1280.1
130°	1697.8	1480.7	1463.2	1392.8	1322.5
132.5°	1723.8	1524.6	1507.0	1436.6	1366.3
135°	1752.1	1575.4	1559.4	1495.4	1431.3
137.5°	1794.3	1640.3	1624.5	1561.1	1497.7
140°	1820.3	1684.2	1669.5	1611.1	1552.8
142.5°	1841.9	1716.7	1703.2	1649.2	1595.1
145°	1870.2	1766.2	1754.4	1707.3	1660.2
147.5°	1911.7	1828.3	1816.8	1771.0	1725.1
150°	1933.3	1860.8	1850.5	1809.0	1767.5
152.5°	1947.5	1882.0	1874.2	1842.7	1811.4
155°	1978.6	1928.6	1922.8	1899.6	1876.3
157.5°	2009.7	1975.3	1969.6	1947.0	1924.4
160°	2023.8	1996.5	1992.1	1974.5	1956.9
162.5°	2038.9	2019.0	2015.8	2002.6	1989.4
165°	2060.5	2051.5	2048.5	2036.6	2024.7
167.5°	2077.4	2069.9	2068.5	2062.9	2057.2
170°	2091.5	2091.1	2089.7	2084.1	2078.4
172.5°	2092.5	2092.5	2092.3	2091.0	2089.7
175°	2101.0	2105.3	2105.3	2105.3	2105.3
177.5°	2102.0	2105.3	2105.3	2105.3	2105.3
180°	2105.3	2105.3	2105.3	2105.3	2105.3



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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	12.60	13.39	13.62	14.42	15.80	15.45	16.24	16.47	17.27	18.65
	3H	13.07	13.78	14.10	14.82	16.22	16.80	17.51	17.83	18.55	19.95
	4H	13.26	13.93	14.30	14.97	16.38	17.24	17.92	18.29	18.96	20.37
	6H	13.37	13.99	14.43	15.04	16.46	17.53	18.15	18.58	19.19	20.62
	8H	13.37	13.96	14.43	15.02	16.44	17.60	18.19	18.66	19.26	20.67
	12H	13.34	13.90	14.41	14.96	16.40	17.64	18.20	18.71	19.26	20.70
4H	2H	13.63	14.30	14.68	15.34	16.75	15.85	16.52	16.90	17.56	18.97
	3H	14.65	15.21	15.71	16.28	17.70	17.35	17.92	18.41	18.99	20.41
	4H	14.92	15.44	15.99	16.50	17.94	17.88	18.40	18.95	19.46	20.90
	6H	15.04	15.48	16.12	16.57	18.01	18.25	18.69	19.33	19.78	21.22
	8H	15.05	15.46	16.12	16.54	17.99	18.36	18.77	19.44	19.85	21.30
	12H	15.01	15.38	16.10	16.47	17.93	18.42	18.79	19.51	19.88	21.34
8H	4H	15.37	15.79	16.45	16.86	18.32	18.00	18.42	19.08	19.49	20.95
	6H	15.63	15.97	16.73	17.09	18.54	18.44	18.78	19.54	19.90	21.35
	8H	15.67	15.97	16.78	17.07	18.54	18.60	18.90	19.70	20.00	21.47
	12H	15.65	15.92	16.76	17.01	18.52	18.70	18.96	19.81	20.06	21.57
12H	4H	15.38	15.75	16.47	16.84	18.30	17.96	18.34	19.06	19.43	20.89
	6H	15.69	15.99	16.80	17.09	18.56	18.44	18.74	19.54	19.84	21.31
	8H	15.76	16.02	16.87	17.12	18.62	18.60	18.86	19.71	19.96	21.47