

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: P935230

Luminaire Tested: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-6500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935230
REPORT IS A COMBINATION OF REPORTS P933745 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-6500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

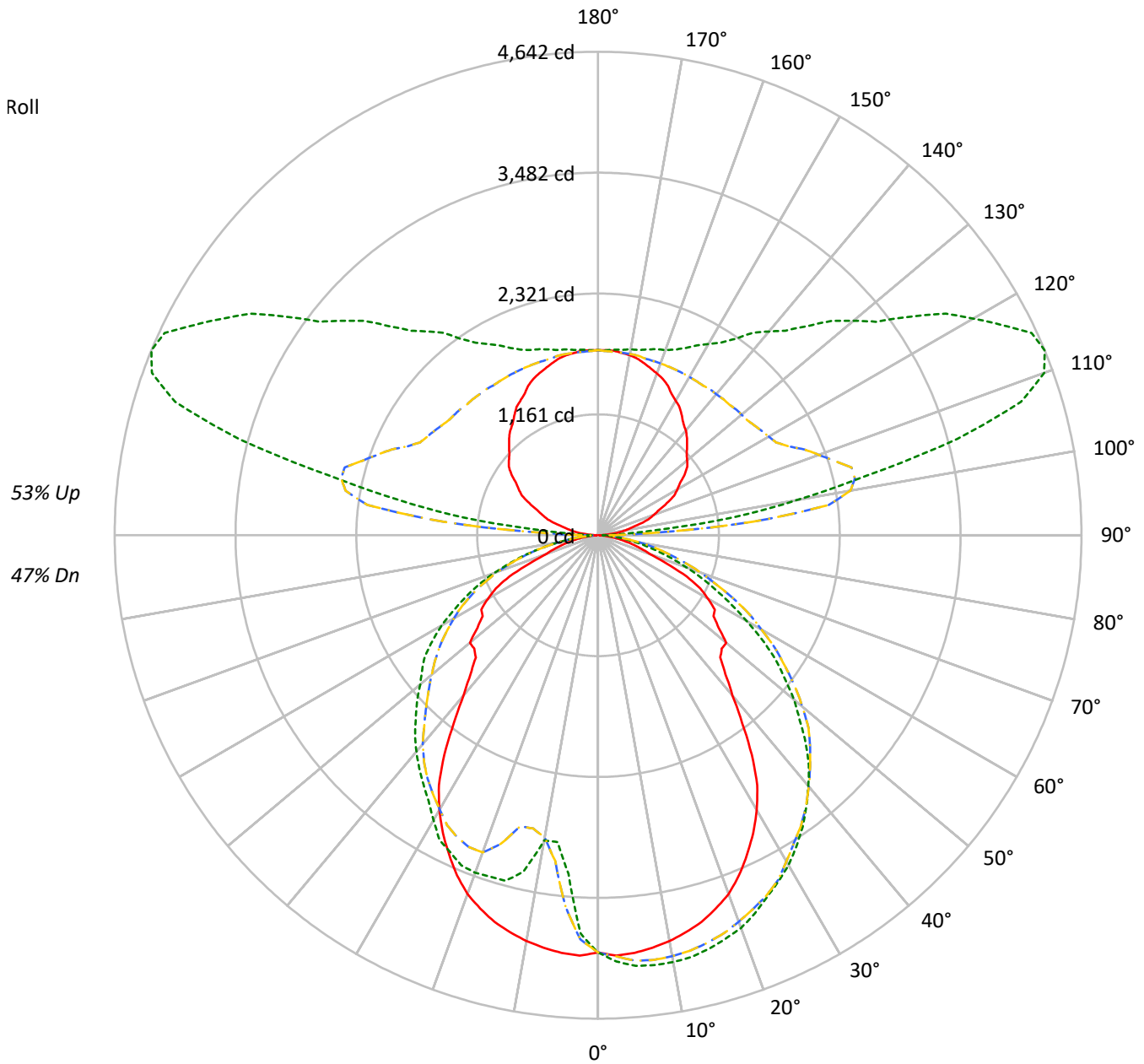
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21918.8 lumens
Efficiency: N/A
Efficacy: 126.0 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): 174
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

TEST NUMBER: P935230
CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-6500K

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
RCR																				
0	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	47	47	47
1	97	93	89	86	89	86	82	79	72	70	67	59	58	56	48	47	46	40	40	40
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	42	40	38	34	34	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	28	28	28
4	74	63	55	49	68	58	51	46	49	44	40	41	37	34	33	30	28	24	24	24
5	68	56	48	42	62	52	45	39	44	39	34	37	33	29	30	27	24	21	21	21
6	62	50	42	36	57	47	39	34	40	34	30	33	29	26	27	24	21	19	19	19
7	58	45	37	32	53	42	35	30	36	30	26	30	26	23	25	21	19	16	16	16
8	53	41	33	28	49	38	31	27	33	27	23	28	23	20	23	19	17	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13	13	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12	12	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12391	12391	12391	12391
5°	12488	12509	12488	9835
10°	12409	12321	12409	8809
15°	12279	12054	12279	10066
20°	12027	11738	12027	10087
25°	11506	11277	11506	9873
30°	10831	10894	10831	9404
35°	9661	10409	9661	8888
40°	8055	9840	8055	8498
45°	7201	9172	7201	8050
50°	7657	8376	7657	7601
55°	7210	7518	7210	7340
60°	7442	6385	7442	6723
65°	6758	5278	6758	5901
70°	4691	4206	4691	4946
75°	4130	3109	4130	3724
80°	3352	2056	3352	2238
85°	1964	1089	1964	926

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11030 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	361.6	1.6
10°-20°	1026.7	4.7
20°-30°	1587.2	7.2
30°-40°	1894.7	8.6
40°-50°	1905.8	8.7
50°-60°	1658.3	7.6
60°-70°	1175.8	5.4
70°-80°	622.0	2.8
80°-90°	161.7	0.7
90°-100°	866.6	4.0
100°-110°	2278.3	10.4
110°-120°	2362.4	10.8
120°-130°	1894.9	8.6
130°-140°	1486.8	6.8
140°-150°	1141.2	5.2
150°-160°	821.9	3.7
160°-170°	502.9	2.3
170°-180°	169.9	0.8
0°-30°	2975.5	13.6
0°-40°	4870.3	22.2
0°-60°	8434.4	38.5
0°-90°	10393.9	47.4
90°-120°	5507.3	25.1
90°-150°	10030.3	45.8
90°-180°	11525.0	52.6
0°-180°	21918.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4006	4006	4006	4006	4006	
5°	4025	4150	4025	3263	4025	382
15°	3843	4112	3843	3434	3843	1081
25°	3384	3836	3384	3358	3384	1554
35°	2574	3422	2574	2922	2574	1592
45°	1660	2820	1660	2475	1660	1330
55°	1353	2081	1353	2031	1353	1243
65°	940	1254	940	1402	940	898
75°	356	595	356	713	356	375
85°	61	152	61	129	61	82
90°	12	45	12	45	12	12
95°	115	524	115	524	115	127
105°	410	3568	410	3568	410	435
115°	729	4594	729	4594	729	720
125°	1014	3658	1014	3658	1014	900
135°	1209	2839	1209	2839	1209	935
145°	1402	2303	1402	2303	1402	878
155°	1584	1983	1584	1983	1584	728
165°	1710	1847	1710	1847	1710	483
175°	1778	1790	1778	1790	1778	169
180°	1778	1778	1778	1778	1778	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1
2.5°	4040.2	4040.2	4063.0	4070.5	4070.5	4059.1	4047.8	4059.1	4093.3	4104.6	4100.8
5°	4025.1	4055.4	4097.1	4104.6	4112.2	4108.5	4100.8	4108.5	4146.3	4153.9	4157.7
7.5°	3994.7	4051.6	4104.6	4116.0	4127.4	4116.0	4112.2	4119.9	4157.7	4165.3	4165.3
10°	3956.8	4036.5	4097.1	4104.6	4116.0	4104.6	4104.6	4119.9	4157.7	4165.3	4169.1
12.5°	3903.8	4013.7	4070.5	4078.2	4093.3	4089.4	4085.7	4100.8	4138.8	4146.3	4146.3
15°	3843.1	3972.0	4025.1	4032.6	4059.1	4051.6	4051.6	4066.8	4108.5	4119.9	4116.0
17.5°	3759.8	3919.0	3979.6	3991.0	4009.9	4006.1	4009.9	4025.1	4063.0	4070.5	4074.3
20°	3665.0	3847.0	3919.0	3930.3	3949.3	3949.3	3949.3	3968.2	4006.1	4021.3	4021.3
22.5°	3536.1	3771.1	3847.0	3854.5	3877.3	3877.3	3884.8	3911.3	3945.4	3949.3	3949.3
25°	3384.5	3687.7	3752.2	3775.0	3797.6	3809.0	3820.4	3835.6	3847.0	3843.1	3847.0
27.5°	3225.3	3581.6	3665.0	3680.2	3710.5	3721.9	3737.0	3740.8	3744.5	3755.9	3748.4
30°	3047.2	3433.8	3558.9	3574.1	3623.3	3630.9	3615.7	3623.3	3642.2	3649.9	3657.4
32.5°	2846.3	3214.0	3449.0	3483.0	3528.5	3505.8	3502.1	3513.4	3543.7	3543.7	3551.3
35°	2573.5	3043.5	3346.7	3377.0	3411.0	3384.5	3399.6	3403.5	3422.4	3433.8	3430.1
37.5°	2274.0	2895.6	3240.5	3263.3	3289.8	3255.6	3278.4	3289.8	3305.0	3297.3	3297.3
40°	2008.8	2664.4	3115.5	3130.6	3153.3	3126.8	3149.5	3157.2	3164.7	3157.2	3153.3
42.5°	1811.7	2410.5	2982.7	3001.8	2986.6	3005.5	3013.1	3028.3	3016.9	3001.8	3001.8
45°	1660.0	2342.3	2838.7	2861.5	2838.7	2869.1	2880.4	2880.4	2846.3	2838.7	2835.0
47.5°	1610.8	2205.8	2694.7	2694.7	2683.4	2721.2	2740.3	2713.7	2679.5	2668.3	2668.3
50°	1607.0	2054.2	2497.7	2482.5	2535.5	2581.1	2562.1	2535.5	2509.1	2467.4	2467.4
52.5°	1459.2	1868.5	2243.7	2300.6	2384.0	2410.5	2380.2	2353.7	2308.2	2289.2	2274.0
55°	1353.0	1675.3	2012.5	2126.2	2213.4	2247.5	2190.6	2164.2	2095.9	2084.5	2076.9
57.5°	1330.4	1394.7	1800.3	1944.3	2050.5	2046.6	2012.5	1963.3	1906.4	1895.1	1891.3
60°	1220.4	1008.1	1572.8	1743.4	1853.4	1842.0	1811.7	1766.2	1713.1	1705.6	1697.9
62.5°	1106.7	731.5	1315.1	1508.5	1663.9	1660.0	1633.6	1565.3	1527.4	1508.5	1493.3
65°	939.9	614.0	936.1	1254.5	1478.1	1485.7	1428.8	1379.6	1337.9	1315.1	1311.3
67.5°	716.3	500.3	632.9	1046.1	1300.0	1292.4	1220.4	1197.6	1144.6	1133.2	1110.5
70°	530.6	333.5	439.7	849.0	1125.6	1106.7	1049.8	1023.3	974.1	947.5	932.4
72.5°	439.7	269.1	322.1	659.5	947.5	924.7	875.5	845.2	803.5	780.7	765.6
75°	356.3	284.3	246.3	488.9	769.4	754.2	708.7	678.4	644.3	614.0	617.8
77.5°	261.5	265.3	197.1	360.1	610.2	587.5	560.9	523.0	507.8	477.5	477.5
80°	197.1	208.5	147.8	246.3	439.7	439.7	416.9	390.4	363.8	348.7	348.7
82.5°	132.6	132.6	109.9	155.4	299.4	288.0	272.9	265.3	250.1	242.6	242.6
85°	60.6	75.8	68.2	94.8	162.9	170.6	170.6	162.9	159.2	151.6	155.4
87.5°	18.9	34.1	41.7	53.1	83.4	87.2	90.9	90.9	90.9	94.8	94.8
90°	12.0	21.5	31.0	33.4	52.5	77.9	90.6	80.6	60.4	45.3	45.3
92.5°	47.7	128.8	210.0	230.3	323.8	448.4	510.7	447.6	321.4	226.7	217.7
95°	114.6	263.0	411.5	448.6	796.6	1260.6	1492.6	1332.0	1010.6	769.5	742.2
97.5°	198.0	329.0	460.0	492.8	1073.0	1846.7	2233.6	2132.0	1928.9	1776.6	1724.7
100°	262.5	381.2	500.0	529.7	1173.6	2032.2	2461.5	2469.0	2483.8	2494.9	2433.0
102.5°	317.4	428.2	539.0	566.7	1219.8	2090.6	2526.0	2655.3	2914.1	3108.2	3055.1
105°	410.5	504.3	598.2	621.6	1254.0	2097.2	2518.8	2808.9	3389.0	3824.1	3795.6
107.5°	505.9	593.4	680.9	702.8	1260.4	2003.8	2375.6	2780.2	3589.5	4196.3	4203.2
110°	570.4	649.4	728.3	748.1	1250.8	1921.1	2256.2	2708.6	3613.3	4291.8	4321.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	633.6	708.9	784.2	803.0	1251.3	1848.9	2147.7	2610.7	3536.6	4231.0	4276.6
115°	729.0	798.5	867.9	885.3	1262.7	1766.0	2017.7	2463.6	3355.6	4024.5	4087.7
117.5°	823.3	886.4	949.5	965.3	1286.3	1714.2	1928.2	2330.6	3135.6	3739.4	3809.5
120°	878.2	937.5	997.0	1011.8	1305.4	1696.8	1892.4	2260.2	2995.7	3547.3	3615.5
122.5°	931.9	991.9	1051.7	1066.7	1332.8	1687.6	1865.0	2196.1	2858.4	3355.2	3422.4
125°	1014.2	1068.8	1123.4	1137.1	1369.7	1680.0	1835.1	2116.4	2679.1	3101.0	3162.9
127.5°	1081.0	1136.1	1191.3	1205.1	1406.8	1675.6	1810.1	2051.6	2534.7	2897.0	2949.2
130°	1116.8	1176.2	1235.6	1250.4	1433.8	1678.3	1800.5	2015.6	2445.7	2768.2	2816.5
132.5°	1153.8	1213.2	1272.6	1287.4	1455.6	1679.9	1792.1	1984.6	2369.6	2658.4	2701.6
135°	1208.7	1262.7	1316.9	1330.4	1479.5	1678.4	1777.8	1939.1	2261.4	2503.2	2540.5
137.5°	1264.8	1318.3	1371.9	1385.2	1515.3	1688.7	1775.5	1911.7	2184.3	2388.8	2419.3
140°	1311.3	1360.7	1409.9	1422.2	1537.2	1690.5	1767.0	1884.8	2120.3	2296.9	2325.4
142.5°	1347.1	1392.7	1438.3	1449.7	1555.4	1696.5	1767.0	1870.5	2077.3	2232.4	2256.9
145°	1402.0	1441.7	1481.5	1491.5	1579.3	1696.6	1755.2	1839.7	2008.9	2135.8	2154.3
147.5°	1456.9	1495.6	1534.3	1544.0	1614.3	1708.2	1755.2	1821.7	1954.8	2054.7	2070.1
150°	1492.6	1527.6	1562.6	1571.4	1632.7	1714.4	1755.2	1811.4	1923.8	2008.1	2020.5
152.5°	1529.6	1556.1	1582.7	1589.3	1644.6	1718.3	1755.2	1803.2	1899.1	1971.1	1980.5
155°	1584.5	1604.1	1623.8	1628.7	1670.9	1727.1	1755.2	1793.3	1869.6	1926.9	1933.1
157.5°	1625.1	1644.2	1663.3	1668.1	1697.1	1735.9	1755.2	1784.8	1844.2	1888.8	1893.2
160°	1652.5	1667.4	1682.2	1686.0	1709.0	1739.8	1755.2	1780.6	1831.5	1869.6	1872.1
162.5°	1679.9	1691.0	1702.2	1705.0	1721.7	1744.0	1755.2	1776.6	1819.5	1851.8	1854.2
165°	1709.8	1719.8	1729.9	1732.4	1740.0	1750.1	1755.2	1770.6	1801.3	1824.3	1826.8
167.5°	1737.2	1742.0	1746.8	1748.0	1754.3	1762.8	1767.0	1777.2	1797.4	1812.5	1813.5
170°	1755.2	1760.0	1764.7	1765.9	1766.3	1766.8	1767.0	1777.2	1797.4	1812.5	1812.5
172.5°	1764.7	1765.7	1766.8	1767.0	1767.0	1767.0	1767.0	1775.0	1790.9	1802.9	1801.9
175°	1777.8	1777.8	1777.8	1777.8	1774.2	1769.4	1767.0	1772.1	1782.2	1789.7	1789.7
177.5°	1777.8	1777.8	1777.8	1777.8	1775.1	1771.3	1769.4	1773.5	1781.4	1787.3	1786.3
180°	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1
2.5°	4108.5	4097.1	4108.5	4100.8	4104.6	4093.3	4059.1	4047.8	4059.1	4070.5	4070.5
5°	4157.7	4150.2	4157.7	4157.7	4153.9	4146.3	4108.5	4100.8	4108.5	4112.2	4104.6
7.5°	4172.8	4161.5	4172.8	4165.3	4165.3	4157.7	4119.9	4112.2	4116.0	4127.4	4116.0
10°	4172.8	4161.5	4172.8	4169.1	4165.3	4157.7	4119.9	4104.6	4104.6	4116.0	4104.6
12.5°	4153.9	4146.3	4153.9	4146.3	4146.3	4138.8	4100.8	4085.7	4089.4	4093.3	4078.2
15°	4123.6	4112.2	4123.6	4116.0	4119.9	4108.5	4066.8	4051.6	4051.6	4059.1	4032.6
17.5°	4078.2	4063.0	4078.2	4074.3	4070.5	4063.0	4025.1	4009.9	4006.1	4009.9	3991.0
20°	4025.1	4013.7	4025.1	4021.3	4021.3	4006.1	3968.2	3949.3	3949.3	3949.3	3930.3
22.5°	3941.7	3930.3	3941.7	3949.3	3949.3	3945.4	3911.3	3884.8	3877.3	3877.3	3854.5
25°	3847.0	3835.6	3847.0	3847.0	3843.1	3847.0	3835.6	3820.4	3809.0	3797.6	3775.0
27.5°	3755.9	3748.4	3755.9	3748.4	3755.9	3744.5	3740.8	3737.0	3721.9	3710.5	3680.2
30°	3665.0	3657.4	3665.0	3657.4	3649.9	3642.2	3623.3	3615.7	3630.9	3623.3	3574.1
32.5°	3551.3	3543.7	3551.3	3551.3	3543.7	3543.7	3513.4	3502.1	3505.8	3528.5	3483.0
35°	3433.8	3422.4	3433.8	3430.1	3433.8	3422.4	3403.5	3399.6	3384.5	3411.0	3377.0
37.5°	3297.3	3286.0	3297.3	3297.3	3297.3	3305.0	3289.8	3278.4	3255.6	3289.8	3263.3
40°	3157.2	3142.0	3157.2	3153.3	3157.2	3164.7	3157.2	3149.5	3126.8	3153.3	3130.6
42.5°	2998.0	2994.1	2998.0	3001.8	3001.8	3016.9	3028.3	3013.1	3005.5	2986.6	3001.8
45°	2827.4	2819.8	2827.4	2835.0	2838.7	2846.3	2880.4	2880.4	2869.1	2838.7	2861.5
47.5°	2645.5	2626.6	2645.5	2668.3	2668.3	2679.5	2713.7	2740.3	2721.2	2683.4	2694.7
50°	2452.2	2456.0	2452.2	2467.4	2467.4	2509.1	2535.5	2562.1	2581.1	2535.5	2482.5
52.5°	2262.6	2258.9	2262.6	2274.0	2289.2	2308.2	2353.7	2380.2	2410.5	2384.0	2300.6
55°	2073.1	2080.8	2073.1	2076.9	2084.5	2095.9	2164.2	2190.6	2247.5	2213.4	2126.2
57.5°	1883.7	1872.3	1883.7	1891.3	1895.1	1906.4	1963.3	2012.5	2046.6	2050.5	1944.3
60°	1663.9	1648.7	1663.9	1697.9	1705.6	1713.1	1766.2	1811.7	1842.0	1853.4	1743.4
62.5°	1470.5	1444.0	1470.5	1493.3	1508.5	1527.4	1565.3	1633.6	1660.0	1663.9	1508.5
65°	1265.9	1254.5	1265.9	1311.3	1315.1	1337.9	1379.6	1428.8	1485.7	1478.1	1254.5
67.5°	1080.2	1080.2	1080.2	1110.5	1133.2	1144.6	1197.6	1220.4	1292.4	1300.0	1046.1
70°	909.6	905.8	909.6	932.4	947.5	974.1	1023.3	1049.8	1106.7	1125.6	849.0
72.5°	746.7	742.9	746.7	765.6	780.7	803.5	845.2	875.5	924.7	947.5	659.5
75°	602.6	595.0	602.6	617.8	614.0	644.3	678.4	708.7	754.2	769.4	488.9
77.5°	462.4	462.4	462.4	477.5	477.5	507.8	523.0	560.9	587.5	610.2	360.1
80°	344.9	341.1	344.9	348.7	348.7	363.8	390.4	416.9	439.7	439.7	246.3
82.5°	242.6	234.9	242.6	242.6	242.6	250.1	265.3	272.9	288.0	299.4	155.4
85°	151.6	151.6	151.6	155.4	151.6	159.2	162.9	170.6	170.6	162.9	94.8
87.5°	98.6	94.8	98.6	94.8	94.8	90.9	90.9	90.9	87.2	83.4	53.1
90°	45.3	45.3	45.3	45.3	45.3	60.4	80.6	90.6	77.9	52.5	33.4
92.5°	181.6	145.5	181.6	217.7	226.7	321.4	447.6	510.7	448.4	323.8	230.3
95°	633.0	523.8	633.0	742.2	769.5	1010.6	1332.0	1492.6	1260.6	796.6	448.6
97.5°	1516.8	1308.9	1516.8	1724.7	1776.6	1928.9	2132.0	2233.6	1846.7	1073.0	492.8
100°	2185.4	1937.7	2185.4	2433.0	2494.9	2483.8	2469.0	2461.5	2032.2	1173.6	529.7
102.5°	2843.0	2631.0	2843.0	3055.1	3108.2	2914.1	2655.3	2526.0	2090.6	1219.8	566.7
105°	3681.5	3567.6	3681.5	3795.6	3824.1	3389.0	2808.9	2518.8	2097.2	1254.0	621.6
107.5°	4230.9	4258.4	4230.9	4203.2	4196.3	3589.5	2780.2	2375.6	2003.8	1260.4	702.8
110°	4440.3	4559.1	4440.3	4321.5	4291.8	3613.3	2708.6	2256.2	1921.1	1250.8	748.1



TEST NUMBER: P935230

CATALOG NUMBER: SQ4-FA-100U-100D-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°	4459.0	4641.5	4459.0	4276.6	4231.0	3536.6	2610.7	2147.7	1848.9	1251.3	803.0
115°	4340.7	4593.6	4340.7	4087.7	4024.5	3355.6	2463.6	2017.7	1766.0	1262.7	885.3
117.5°	4090.0	4370.6	4090.0	3809.5	3739.4	3135.6	2330.6	1928.2	1714.2	1286.3	965.3
120°	3888.0	4160.6	3888.0	3615.5	3547.3	2995.7	2260.2	1892.4	1696.8	1305.4	1011.8
122.5°	3691.2	3960.1	3691.2	3422.4	3355.2	2858.4	2196.1	1865.0	1687.6	1332.8	1066.7
125°	3410.5	3658.2	3410.5	3162.9	3101.0	2679.1	2116.4	1835.1	1680.0	1369.7	1137.1
127.5°	3158.2	3367.1	3158.2	2949.2	2897.0	2534.7	2051.6	1810.1	1675.6	1406.8	1205.1
130°	3009.4	3202.5	3009.4	2816.5	2768.2	2445.7	2015.6	1800.5	1678.3	1433.8	1250.4
132.5°	2874.5	3047.4	2874.5	2701.6	2658.4	2369.6	1984.6	1792.1	1679.9	1455.6	1287.4
135°	2689.5	2838.6	2689.5	2540.5	2503.2	2261.4	1939.1	1777.8	1678.4	1479.5	1330.4
137.5°	2541.2	2663.2	2541.2	2419.3	2388.8	2184.3	1911.7	1775.5	1688.7	1515.3	1385.2
140°	2439.4	2553.4	2439.4	2325.4	2296.9	2120.3	1884.8	1767.0	1690.5	1537.2	1422.2
142.5°	2355.0	2453.1	2355.0	2256.9	2232.4	2077.3	1870.5	1767.0	1696.5	1555.4	1449.7
145°	2228.6	2302.8	2228.6	2154.3	2135.8	2008.9	1839.7	1755.2	1696.6	1579.3	1491.5
147.5°	2131.5	2193.0	2131.5	2070.1	2054.7	1954.8	1821.7	1755.2	1708.2	1614.3	1544.0
150°	2070.4	2120.3	2070.4	2020.5	2008.1	1923.8	1811.4	1755.2	1714.4	1632.7	1571.4
152.5°	2018.1	2055.8	2018.1	1980.5	1971.1	1899.1	1803.2	1755.2	1718.3	1644.6	1589.3
155°	1958.1	1983.0	1958.1	1933.1	1926.9	1869.6	1793.3	1755.2	1727.1	1670.9	1628.7
157.5°	1910.7	1928.2	1910.7	1893.2	1888.8	1844.2	1784.8	1755.2	1735.9	1697.1	1668.1
160°	1882.3	1892.4	1882.3	1872.1	1869.6	1831.5	1780.6	1755.2	1739.8	1709.0	1686.0
162.5°	1863.7	1873.3	1863.7	1854.2	1851.8	1819.5	1776.6	1755.2	1744.0	1721.7	1705.0
165°	1836.9	1847.0	1836.9	1826.8	1824.3	1801.3	1770.6	1755.2	1750.1	1740.0	1732.4
167.5°	1817.7	1821.9	1817.7	1813.5	1812.5	1797.4	1777.2	1767.0	1762.8	1754.3	1748.0
170°	1812.5	1812.5	1812.5	1812.5	1812.5	1797.4	1777.2	1767.0	1766.8	1766.3	1765.9
172.5°	1798.2	1794.5	1798.2	1801.9	1802.9	1790.9	1775.0	1767.0	1767.0	1767.0	1767.0
175°	1789.7	1789.7	1789.7	1789.7	1789.7	1782.2	1772.1	1767.0	1769.4	1774.2	1777.8
177.5°	1782.1	1777.8	1782.1	1786.3	1787.3	1781.4	1773.5	1769.4	1771.3	1775.1	1777.8
180°	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1
2.5°	4063.0	4040.2	4040.2	4002.3	3987.1	3975.8	3956.8	3900.0	3884.8	3869.6	3892.4
5°	4097.1	4055.4	4025.1	3956.8	3900.0	3877.3	3805.3	3668.8	3577.8	3509.6	3471.7
7.5°	4104.6	4051.6	3994.7	3888.6	3752.2	3691.6	3471.7	3221.6	3153.3	3092.7	3054.7
10°	4097.1	4036.5	3956.8	3797.6	3475.5	3369.3	3149.5	2986.6	2944.9	2933.5	2944.9
12.5°	4070.5	4013.7	3903.8	3638.5	3187.5	3115.5	2986.6	2891.8	2884.3	2903.2	3005.5
15°	4025.1	3972.0	3843.1	3426.2	3028.3	2975.2	2884.3	2850.1	2891.8	3024.4	3331.5
17.5°	3979.6	3919.0	3759.8	3217.8	2907.0	2869.1	2804.6	2872.9	3107.8	3286.0	3388.4
20°	3919.0	3847.0	3665.0	3066.1	2819.8	2785.7	2755.4	3062.4	3240.5	3305.0	3361.8
22.5°	3847.0	3771.1	3536.1	2960.1	2728.9	2702.3	2721.2	3168.5	3240.5	3286.0	3335.3
25°	3752.2	3687.7	3384.5	2876.7	2656.9	2626.6	2698.6	3157.2	3198.8	3210.2	3308.7
27.5°	3665.0	3581.6	3225.3	2800.9	2569.7	2558.3	2717.5	3107.8	3138.2	3149.5	3255.6
30°	3558.9	3433.8	3047.2	2721.2	2478.7	2474.9	2721.2	3047.2	3039.6	3070.0	3176.1
32.5°	3449.0	3214.0	2846.3	2622.7	2391.5	2387.7	2694.7	2956.3	2948.7	2990.4	3070.0
35°	3346.7	3043.5	2573.5	2509.1	2281.7	2285.4	2630.3	2850.1	2853.9	2891.8	2941.1
37.5°	3240.5	2895.6	2274.0	2384.0	2175.5	2175.5	2543.1	2751.6	2744.0	2755.4	2823.6
40°	3115.5	2664.4	2008.8	2220.9	2076.9	2065.6	2437.0	2645.5	2618.9	2615.2	2709.9
42.5°	2982.7	2410.5	1811.7	2004.9	1963.3	1948.1	2308.2	2516.6	2467.4	2478.7	2600.0
45°	2838.7	2342.3	1660.0	1694.2	1845.7	1834.4	2167.9	2368.8	2334.6	2365.0	2490.1
47.5°	2694.7	2205.8	1610.8	1406.1	1720.7	1716.9	2012.5	2224.8	2205.8	2236.2	2368.8
50°	2497.7	2054.2	1607.0	1205.3	1580.5	1595.6	1826.8	2084.5	2084.5	2111.1	2251.3
52.5°	2243.7	1868.5	1459.2	1091.5	1417.5	1463.0	1663.9	1963.3	1970.8	1997.4	2122.5
55°	2012.5	1675.3	1353.0	1004.4	1224.2	1322.7	1504.7	1838.2	1853.4	1879.9	1993.6
57.5°	1800.3	1394.7	1330.4	902.1	1046.1	1140.8	1364.4	1716.9	1724.5	1747.3	1857.1
60°	1572.8	1008.1	1220.4	792.1	890.7	962.7	1235.6	1572.8	1599.4	1614.5	1709.3
62.5°	1315.1	731.5	1106.7	716.3	814.9	830.1	1129.5	1436.4	1470.5	1481.9	1538.8
65°	936.1	614.0	939.9	651.9	735.3	739.0	1015.8	1296.2	1326.5	1345.5	1387.1
67.5°	632.9	500.3	716.3	591.2	674.6	678.4	905.8	1133.2	1174.9	1190.1	1216.7
70°	439.7	333.5	530.6	526.9	606.4	614.0	788.4	985.5	1023.3	1034.7	1049.8
72.5°	322.1	269.1	439.7	473.8	534.4	542.0	667.0	818.7	856.6	867.9	875.5
75°	246.3	284.3	356.3	413.1	454.8	458.6	545.8	667.0	693.6	701.2	704.9
77.5°	197.1	265.3	261.5	333.5	371.4	363.8	428.3	515.5	538.1	538.1	538.1
80°	147.8	208.5	197.1	238.8	272.9	265.3	307.0	367.7	375.2	382.8	379.0
82.5°	109.9	132.6	132.6	151.6	182.0	174.3	204.6	238.8	238.8	238.8	246.3
85°	68.2	75.8	60.6	79.6	102.3	98.6	113.7	128.9	132.6	132.6	125.1
87.5°	41.7	34.1	18.9	30.3	45.5	45.5	53.1	56.9	53.1	53.1	53.1
90°	31.0	21.5	12.0	21.5	31.0	33.4	52.5	77.9	90.6	80.6	60.4
92.5°	210.0	128.8	47.7	128.8	210.0	230.3	323.8	448.4	510.7	447.6	321.4
95°	411.5	263.0	114.6	263.0	411.5	448.6	796.6	1260.6	1492.6	1332.0	1010.6
97.5°	460.0	329.0	198.0	329.0	460.0	492.8	1073.0	1846.7	2233.6	2132.0	1928.9
100°	500.0	381.2	262.5	381.2	500.0	529.7	1173.6	2032.2	2461.5	2469.0	2483.8
102.5°	539.0	428.2	317.4	428.2	539.0	566.7	1219.8	2090.6	2526.0	2655.3	2914.1
105°	598.2	504.3	410.5	504.3	598.2	621.6	1254.0	2097.2	2518.8	2808.9	3389.0
107.5°	680.9	593.4	505.9	593.4	680.9	702.8	1260.4	2003.8	2375.6	2780.2	3589.5
110°	728.3	649.4	570.4	649.4	728.3	748.1	1250.8	1921.1	2256.2	2708.6	3613.3



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CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	784.2	708.9	633.6	708.9	784.2	803.0	1251.3	1848.9	2147.7	2610.7	3536.6
115°	867.9	798.5	729.0	798.5	867.9	885.3	1262.7	1766.0	2017.7	2463.6	3355.6
117.5°	949.5	886.4	823.3	886.4	949.5	965.3	1286.3	1714.2	1928.2	2330.6	3135.6
120°	997.0	937.5	878.2	937.5	997.0	1011.8	1305.4	1696.8	1892.4	2260.2	2995.7
122.5°	1051.7	991.9	931.9	991.9	1051.7	1066.7	1332.8	1687.6	1865.0	2196.1	2858.4
125°	1123.4	1068.8	1014.2	1068.8	1123.4	1137.1	1369.7	1680.0	1835.1	2116.4	2679.1
127.5°	1191.3	1136.1	1081.0	1136.1	1191.3	1205.1	1406.8	1675.6	1810.1	2051.6	2534.7
130°	1235.6	1176.2	1116.8	1176.2	1235.6	1250.4	1433.8	1678.3	1800.5	2015.6	2445.7
132.5°	1272.6	1213.2	1153.8	1213.2	1272.6	1287.4	1455.6	1679.9	1792.1	1984.6	2369.6
135°	1316.9	1262.7	1208.7	1262.7	1316.9	1330.4	1479.5	1678.4	1777.8	1939.1	2261.4
137.5°	1371.9	1318.3	1264.8	1318.3	1371.9	1385.2	1515.3	1688.7	1775.5	1911.7	2184.3
140°	1409.9	1360.7	1311.3	1360.7	1409.9	1422.2	1537.2	1690.5	1767.0	1884.8	2120.3
142.5°	1438.3	1392.7	1347.1	1392.7	1438.3	1449.7	1555.4	1696.5	1767.0	1870.5	2077.3
145°	1481.5	1441.7	1402.0	1441.7	1481.5	1491.5	1579.3	1696.6	1755.2	1839.7	2008.9
147.5°	1534.3	1495.6	1456.9	1495.6	1534.3	1544.0	1614.3	1708.2	1755.2	1821.7	1954.8
150°	1562.6	1527.6	1492.6	1527.6	1562.6	1571.4	1632.7	1714.4	1755.2	1811.4	1923.8
152.5°	1582.7	1556.1	1529.6	1556.1	1582.7	1589.3	1644.6	1718.3	1755.2	1803.2	1899.1
155°	1623.8	1604.1	1584.5	1604.1	1623.8	1628.7	1670.9	1727.1	1755.2	1793.3	1869.6
157.5°	1663.3	1644.2	1625.1	1644.2	1663.3	1668.1	1697.1	1735.9	1755.2	1784.8	1844.2
160°	1682.2	1667.4	1652.5	1667.4	1682.2	1686.0	1709.0	1739.8	1755.2	1780.6	1831.5
162.5°	1702.2	1691.0	1679.9	1691.0	1702.2	1705.0	1721.7	1744.0	1755.2	1776.6	1819.5
165°	1729.9	1719.8	1709.8	1719.8	1729.9	1732.4	1740.0	1750.1	1755.2	1770.6	1801.3
167.5°	1746.8	1742.0	1737.2	1742.0	1746.8	1748.0	1754.3	1762.8	1767.0	1777.2	1797.4
170°	1764.7	1760.0	1755.2	1760.0	1764.7	1765.9	1766.3	1766.8	1767.0	1777.2	1797.4
172.5°	1766.8	1765.7	1764.7	1765.7	1766.8	1767.0	1767.0	1767.0	1767.0	1775.0	1790.9
175°	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1774.2	1769.4	1767.0	1772.1	1782.2
177.5°	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1775.1	1771.3	1769.4	1773.5	1781.4
180°	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8



TEST NUMBER: P935230
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1
2.5°	3865.9	3854.5	3869.6	3827.9	3869.6	3854.5	3865.9	3892.4	3869.6	3884.8	3900.0
5°	3392.1	3373.2	3312.5	3263.3	3312.5	3373.2	3392.1	3471.7	3509.6	3577.8	3668.8
7.5°	3032.1	3016.9	3001.8	2971.4	3001.8	3016.9	3032.1	3054.7	3092.7	3153.3	3221.6
10°	2952.4	2956.3	2979.0	2975.2	2979.0	2956.3	2952.4	2944.9	2933.5	2944.9	2986.6
12.5°	3157.2	3191.2	3316.3	3308.7	3316.3	3191.2	3157.2	3005.5	2903.2	2884.3	2891.8
15°	3392.1	3403.5	3430.1	3433.8	3430.1	3403.5	3392.1	3331.5	3024.4	2891.8	2850.1
17.5°	3414.9	3418.7	3437.6	3437.6	3437.6	3418.7	3414.9	3388.4	3286.0	3107.8	2872.9
20°	3395.9	3403.5	3441.3	3449.0	3441.3	3403.5	3395.9	3361.8	3305.0	3240.5	3062.4
22.5°	3388.4	3403.5	3433.8	3430.1	3433.8	3403.5	3388.4	3335.3	3286.0	3240.5	3168.5
25°	3350.4	3350.4	3354.2	3358.0	3354.2	3350.4	3350.4	3308.7	3210.2	3198.8	3157.2
27.5°	3270.8	3278.4	3301.2	3297.3	3301.2	3278.4	3270.8	3255.6	3149.5	3138.2	3107.8
30°	3198.8	3191.2	3172.3	3157.2	3172.3	3191.2	3198.8	3176.1	3070.0	3039.6	3047.2
32.5°	3077.5	3058.6	3039.6	3028.3	3039.6	3058.6	3077.5	3070.0	2990.4	2948.7	2956.3
35°	2933.5	2937.3	2933.5	2922.1	2933.5	2937.3	2933.5	2941.1	2891.8	2853.9	2850.1
37.5°	2831.2	2838.7	2835.0	2819.8	2835.0	2838.7	2831.2	2823.6	2755.4	2744.0	2751.6
40°	2725.1	2728.9	2725.1	2713.7	2725.1	2728.9	2725.1	2709.9	2615.2	2618.9	2645.5
42.5°	2622.7	2618.9	2607.5	2600.0	2607.5	2618.9	2622.7	2600.0	2478.7	2467.4	2516.6
45°	2505.2	2509.1	2486.3	2474.9	2486.3	2509.1	2505.2	2490.1	2365.0	2334.6	2368.8
47.5°	2387.7	2387.7	2368.8	2357.4	2368.8	2387.7	2387.7	2368.8	2236.2	2205.8	2224.8
50°	2262.6	2258.9	2232.3	2228.6	2232.3	2258.9	2262.6	2251.3	2111.1	2084.5	2084.5
52.5°	2118.6	2118.6	2122.5	2130.0	2122.5	2118.6	2118.6	2122.5	1997.4	1970.8	1963.3
55°	1993.6	1997.4	2023.9	2031.4	2023.9	1997.4	1993.6	1993.6	1879.9	1853.4	1838.2
57.5°	1864.7	1864.7	1883.7	1883.7	1883.7	1864.7	1864.7	1857.1	1747.3	1724.5	1716.9
60°	1716.9	1724.5	1739.6	1735.9	1739.6	1724.5	1716.9	1709.3	1614.5	1599.4	1572.8
62.5°	1561.5	1569.1	1572.8	1565.3	1572.8	1569.1	1561.5	1538.8	1481.9	1470.5	1436.4
65°	1398.5	1406.1	1409.9	1402.4	1409.9	1406.1	1398.5	1387.1	1345.5	1326.5	1296.2
67.5°	1231.8	1227.9	1224.2	1239.3	1224.2	1227.9	1231.8	1216.7	1190.1	1174.9	1133.2
70°	1061.2	1061.2	1057.5	1065.0	1057.5	1061.2	1061.2	1049.8	1034.7	1023.3	985.5
72.5°	879.3	875.5	890.7	879.3	890.7	875.5	879.3	875.5	867.9	856.6	818.7
75°	701.2	708.7	701.2	712.6	701.2	708.7	701.2	704.9	701.2	693.6	667.0
77.5°	534.4	542.0	534.4	534.4	534.4	542.0	534.4	538.1	538.1	538.1	515.5
80°	379.0	375.2	375.2	371.4	375.2	375.2	379.0	379.0	382.8	375.2	367.7
82.5°	242.6	238.8	238.8	246.3	238.8	238.8	242.6	246.3	238.8	238.8	238.8
85°	132.6	136.4	128.9	128.9	128.9	136.4	132.6	125.1	132.6	132.6	128.9
87.5°	49.2	45.5	45.5	45.5	45.5	45.5	49.2	53.1	53.1	53.1	56.9
90°	45.3	45.3	45.3	45.3	45.3	45.3	45.3	60.4	80.6	90.6	77.9
92.5°	226.7	217.7	181.6	145.5	181.6	217.7	226.7	321.4	447.6	510.7	448.4
95°	769.5	742.2	633.0	523.8	633.0	742.2	769.5	1010.6	1332.0	1492.6	1260.6
97.5°	1776.6	1724.7	1516.8	1308.9	1516.8	1724.7	1776.6	1928.9	2132.0	2233.6	1846.7
100°	2494.9	2433.0	2185.4	1937.7	2185.4	2433.0	2494.9	2483.8	2469.0	2461.5	2032.2
102.5°	3108.2	3055.1	2843.0	2631.0	2843.0	3055.1	3108.2	2914.1	2655.3	2526.0	2090.6
105°	3824.1	3795.6	3681.5	3567.6	3681.5	3795.6	3824.1	3389.0	2808.9	2518.8	2097.2
107.5°	4196.3	4203.2	4230.9	4258.4	4230.9	4203.2	4196.3	3589.5	2780.2	2375.6	2003.8
110°	4291.8	4321.5	4440.3	4559.1	4440.3	4321.5	4291.8	3613.3	2708.6	2256.2	1921.1



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4231.0	4276.6	4459.0	4641.5	4459.0	4276.6	4231.0	3536.6	2610.7	2147.7	1848.9
115°	4024.5	4087.7	4340.7	4593.6	4340.7	4087.7	4024.5	3355.6	2463.6	2017.7	1766.0
117.5°	3739.4	3809.5	4090.0	4370.6	4090.0	3809.5	3739.4	3135.6	2330.6	1928.2	1714.2
120°	3547.3	3615.5	3888.0	4160.6	3888.0	3615.5	3547.3	2995.7	2260.2	1892.4	1696.8
122.5°	3355.2	3422.4	3691.2	3960.1	3691.2	3422.4	3355.2	2858.4	2196.1	1865.0	1687.6
125°	3101.0	3162.9	3410.5	3658.2	3410.5	3162.9	3101.0	2679.1	2116.4	1835.1	1680.0
127.5°	2897.0	2949.2	3158.2	3367.1	3158.2	2949.2	2897.0	2534.7	2051.6	1810.1	1675.6
130°	2768.2	2816.5	3009.4	3202.5	3009.4	2816.5	2768.2	2445.7	2015.6	1800.5	1678.3
132.5°	2658.4	2701.6	2874.5	3047.4	2874.5	2701.6	2658.4	2369.6	1984.6	1792.1	1679.9
135°	2503.2	2540.5	2689.5	2838.6	2689.5	2540.5	2503.2	2261.4	1939.1	1777.8	1678.4
137.5°	2388.8	2419.3	2541.2	2663.2	2541.2	2419.3	2388.8	2184.3	1911.7	1775.5	1688.7
140°	2296.9	2325.4	2439.4	2553.4	2439.4	2325.4	2296.9	2120.3	1884.8	1767.0	1690.5
142.5°	2232.4	2256.9	2355.0	2453.1	2355.0	2256.9	2232.4	2077.3	1870.5	1767.0	1696.5
145°	2135.8	2154.3	2228.6	2302.8	2228.6	2154.3	2135.8	2008.9	1839.7	1755.2	1696.6
147.5°	2054.7	2070.1	2131.5	2193.0	2131.5	2070.1	2054.7	1954.8	1821.7	1755.2	1708.2
150°	2008.1	2020.5	2070.4	2120.3	2070.4	2020.5	2008.1	1923.8	1811.4	1755.2	1714.4
152.5°	1971.1	1980.5	2018.1	2055.8	2018.1	1980.5	1971.1	1899.1	1803.2	1755.2	1718.3
155°	1926.9	1933.1	1958.1	1983.0	1958.1	1933.1	1926.9	1869.6	1793.3	1755.2	1727.1
157.5°	1888.8	1893.2	1910.7	1928.2	1910.7	1893.2	1888.8	1844.2	1784.8	1755.2	1735.9
160°	1869.6	1872.1	1882.3	1892.4	1882.3	1872.1	1869.6	1831.5	1780.6	1755.2	1739.8
162.5°	1851.8	1854.2	1863.7	1873.3	1863.7	1854.2	1851.8	1819.5	1776.6	1755.2	1744.0
165°	1824.3	1826.8	1836.9	1847.0	1836.9	1826.8	1824.3	1801.3	1770.6	1755.2	1750.1
167.5°	1812.5	1813.5	1817.7	1821.9	1817.7	1813.5	1812.5	1797.4	1777.2	1767.0	1762.8
170°	1812.5	1812.5	1812.5	1812.5	1812.5	1812.5	1812.5	1797.4	1777.2	1767.0	1766.8
172.5°	1802.9	1801.9	1798.2	1794.5	1798.2	1801.9	1802.9	1790.9	1775.0	1767.0	1767.0
175°	1789.7	1789.7	1789.7	1789.7	1789.7	1789.7	1789.7	1782.2	1772.1	1767.0	1769.4
177.5°	1787.3	1786.3	1782.1	1777.8	1782.1	1786.3	1787.3	1781.4	1773.5	1769.4	1771.3
180°	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4006.1	4006.1	4006.1	4006.1	4006.1
2.5°	3956.8	3975.8	3987.1	4002.3	4040.2
5°	3805.3	3877.3	3900.0	3956.8	4025.1
7.5°	3471.7	3691.6	3752.2	3888.6	3994.7
10°	3149.5	3369.3	3475.5	3797.6	3956.8
12.5°	2986.6	3115.5	3187.5	3638.5	3903.8
15°	2884.3	2975.2	3028.3	3426.2	3843.1
17.5°	2804.6	2869.1	2907.0	3217.8	3759.8
20°	2755.4	2785.7	2819.8	3066.1	3665.0
22.5°	2721.2	2702.3	2728.9	2960.1	3536.1
25°	2698.6	2626.6	2656.9	2876.7	3384.5
27.5°	2717.5	2558.3	2569.7	2800.9	3225.3
30°	2721.2	2474.9	2478.7	2721.2	3047.2
32.5°	2694.7	2387.7	2391.5	2622.7	2846.3
35°	2630.3	2285.4	2281.7	2509.1	2573.5
37.5°	2543.1	2175.5	2175.5	2384.0	2274.0
40°	2437.0	2065.6	2076.9	2220.9	2008.8
42.5°	2308.2	1948.1	1963.3	2004.9	1811.7
45°	2167.9	1834.4	1845.7	1694.2	1660.0
47.5°	2012.5	1716.9	1720.7	1406.1	1610.8
50°	1826.8	1595.6	1580.5	1205.3	1607.0
52.5°	1663.9	1463.0	1417.5	1091.5	1459.2
55°	1504.7	1322.7	1224.2	1004.4	1353.0
57.5°	1364.4	1140.8	1046.1	902.1	1330.4
60°	1235.6	962.7	890.7	792.1	1220.4
62.5°	1129.5	830.1	814.9	716.3	1106.7
65°	1015.8	739.0	735.3	651.9	939.9
67.5°	905.8	678.4	674.6	591.2	716.3
70°	788.4	614.0	606.4	526.9	530.6
72.5°	667.0	542.0	534.4	473.8	439.7
75°	545.8	458.6	454.8	413.1	356.3
77.5°	428.3	363.8	371.4	333.5	261.5
80°	307.0	265.3	272.9	238.8	197.1
82.5°	204.6	174.3	182.0	151.6	132.6
85°	113.7	98.6	102.3	79.6	60.6
87.5°	53.1	45.5	45.5	30.3	18.9
90°	52.5	33.4	31.0	21.5	12.0
92.5°	323.8	230.3	210.0	128.8	47.7
95°	796.6	448.6	411.5	263.0	114.6
97.5°	1073.0	492.8	460.0	329.0	198.0
100°	1173.6	529.7	500.0	381.2	262.5
102.5°	1219.8	566.7	539.0	428.2	317.4
105°	1254.0	621.6	598.2	504.3	410.5
107.5°	1260.4	702.8	680.9	593.4	505.9
110°	1250.8	748.1	728.3	649.4	570.4



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CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1251.3	803.0	784.2	708.9	633.6
115°	1262.7	885.3	867.9	798.5	729.0
117.5°	1286.3	965.3	949.5	886.4	823.3
120°	1305.4	1011.8	997.0	937.5	878.2
122.5°	1332.8	1066.7	1051.7	991.9	931.9
125°	1369.7	1137.1	1123.4	1068.8	1014.2
127.5°	1406.8	1205.1	1191.3	1136.1	1081.0
130°	1433.8	1250.4	1235.6	1176.2	1116.8
132.5°	1455.6	1287.4	1272.6	1213.2	1153.8
135°	1479.5	1330.4	1316.9	1262.7	1208.7
137.5°	1515.3	1385.2	1371.9	1318.3	1264.8
140°	1537.2	1422.2	1409.9	1360.7	1311.3
142.5°	1555.4	1449.7	1438.3	1392.7	1347.1
145°	1579.3	1491.5	1481.5	1441.7	1402.0
147.5°	1614.3	1544.0	1534.3	1495.6	1456.9
150°	1632.7	1571.4	1562.6	1527.6	1492.6
152.5°	1644.6	1589.3	1582.7	1556.1	1529.6
155°	1670.9	1628.7	1623.8	1604.1	1584.5
157.5°	1697.1	1668.1	1663.3	1644.2	1625.1
160°	1709.0	1686.0	1682.2	1667.4	1652.5
162.5°	1721.7	1705.0	1702.2	1691.0	1679.9
165°	1740.0	1732.4	1729.9	1719.8	1709.8
167.5°	1754.3	1748.0	1746.8	1742.0	1737.2
170°	1766.3	1765.9	1764.7	1760.0	1755.2
172.5°	1767.0	1767.0	1766.8	1765.7	1764.7
175°	1774.2	1777.8	1777.8	1777.8	1777.8
177.5°	1775.1	1777.8	1777.8	1777.8	1777.8
180°	1777.8	1777.8	1777.8	1777.8	1777.8



TEST NUMBER: P935230
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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	13.31	14.15	14.29	15.14	16.45	16.16	17.00	17.14	18.00	19.30
	3H	13.79	14.54	14.78	15.54	16.87	17.52	18.27	18.51	19.27	20.60
	4H	13.98	14.69	14.98	15.69	17.03	17.96	18.67	18.97	19.68	21.02
	6H	14.10	14.75	15.11	15.76	17.11	18.25	18.91	19.27	19.92	21.27
	8H	14.10	14.72	15.12	15.75	17.09	18.33	18.95	19.35	19.98	21.32
	12H	14.07	14.66	15.09	15.68	17.05	18.37	18.96	19.39	19.98	21.35
4H	2H	14.35	15.06	15.36	16.06	17.40	16.57	17.28	17.58	18.29	19.62
	3H	15.37	15.97	16.39	17.00	18.35	18.08	18.67	19.10	19.71	21.06
	4H	15.65	16.19	16.67	17.22	18.59	18.61	19.15	19.64	20.18	21.55
	6H	15.77	16.24	16.81	17.29	18.66	18.98	19.45	20.02	20.50	21.87
	8H	15.78	16.21	16.81	17.25	18.64	19.09	19.53	20.13	20.57	21.95
	12H	15.74	16.14	16.80	17.19	18.58	19.15	19.54	20.21	20.60	21.99
8H	4H	16.10	16.54	17.14	17.58	18.97	18.73	19.17	19.77	20.21	21.60
	6H	16.36	16.72	17.43	17.81	19.19	19.17	19.53	20.24	20.62	22.00
	8H	16.41	16.72	17.48	17.79	19.19	19.33	19.65	20.40	20.71	22.12
	12H	16.39	16.67	17.46	17.73	19.17	19.43	19.71	20.50	20.77	22.22
12H	4H	16.11	16.50	17.17	17.56	18.95	18.70	19.09	19.75	20.15	21.54
	6H	16.43	16.74	17.49	17.81	19.21	19.17	19.49	20.24	20.56	21.96
	8H	16.49	16.77	17.56	17.83	19.28	19.34	19.61	20.41	20.68	22.12