

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: P935227

Luminaire Tested: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935227
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-12-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

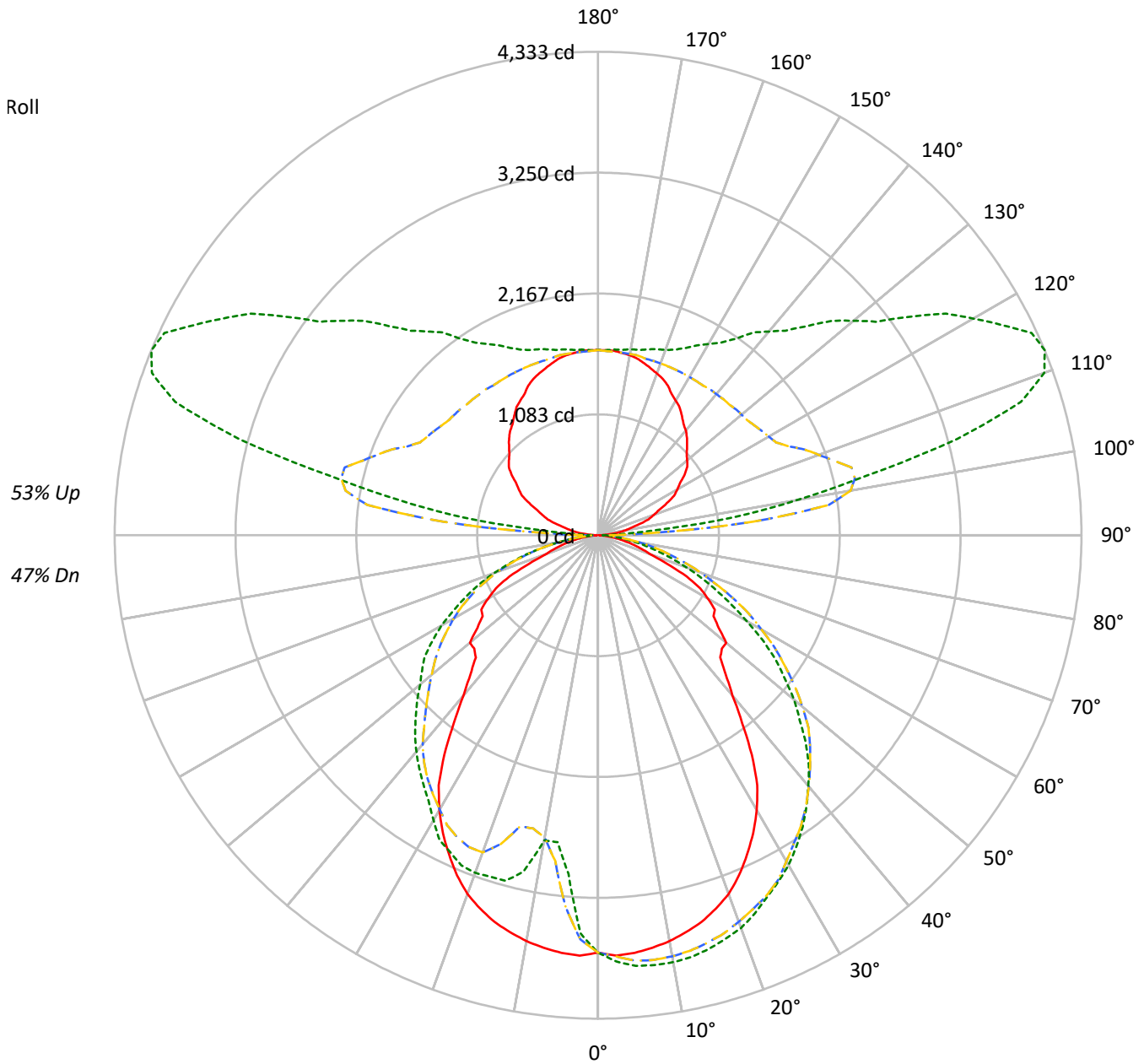
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20461.5 lumens
Efficiency: N/A
Efficacy: 117.6 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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11567	11567	11567	11567
5°	11658	11677	11658	9181
10°	11584	11502	11584	8223
15°	11463	11253	11463	9396
20°	11227	10958	11227	9416
25°	10741	10527	10741	9216
30°	10111	10170	10111	8779
35°	9019	9717	9019	8297
40°	7519	9185	7519	7933
45°	6723	8562	6723	7515
50°	7147	7819	7147	7095
55°	6731	7018	6731	6852
60°	6948	5961	6948	6276
65°	6309	4927	6309	5508
70°	4379	3927	4379	4617
75°	3855	2903	3855	3476
80°	3130	1919	3130	2089
85°	1834	1016	1834	864

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10297 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.6	1.6
10°-20°	958.5	4.7
20°-30°	1481.6	7.2
30°-40°	1768.8	8.6
40°-50°	1779.1	8.7
50°-60°	1548.0	7.6
60°-70°	1097.6	5.4
70°-80°	580.7	2.8
80°-90°	151.0	0.7
90°-100°	809.0	4.0
100°-110°	2126.9	10.4
110°-120°	2205.3	10.8
120°-130°	1768.9	8.6
130°-140°	1388.0	6.8
140°-150°	1065.3	5.2
150°-160°	767.2	3.7
160°-170°	469.4	2.3
170°-180°	158.6	0.8
0°-30°	2777.7	13.6
0°-40°	4546.5	22.2
0°-60°	7873.6	38.5
0°-90°	9702.9	47.4
90°-120°	5141.2	25.1
90°-150°	9363.4	45.8
90°-180°	10759.0	52.6
0°-180°	20461.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3740	3740	3740	3740	3740	
5°	3758	3874	3758	3046	3758	356
15°	3588	3839	3588	3206	3588	1009
25°	3160	3581	3160	3135	3160	1451
35°	2402	3195	2402	2728	2402	1486
45°	1550	2632	1550	2310	1550	1241
55°	1263	1942	1263	1896	1263	1161
65°	877	1171	877	1309	877	839
75°	333	556	333	665	333	350
85°	57	142	57	120	57	76
90°	11	42	11	42	11	12
95°	107	489	107	489	107	119
105°	383	3330	383	3330	383	406
115°	680	4288	680	4288	680	672
125°	947	3415	947	3415	947	841
135°	1128	2650	1128	2650	1128	873
145°	1309	2150	1309	2150	1309	820
155°	1479	1851	1479	1851	1479	680
165°	1596	1724	1596	1724	1596	450
175°	1660	1671	1660	1671	1660	158
180°	1660	1660	1660	1660	1660	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7
2.5°	3771.6	3771.6	3792.8	3799.9	3799.9	3789.3	3778.6	3789.3	3821.1	3831.7	3828.2
5°	3757.5	3785.8	3824.7	3831.7	3838.8	3835.3	3828.2	3835.3	3870.7	3877.7	3881.3
7.5°	3729.1	3782.2	3831.7	3842.4	3853.0	3842.4	3838.8	3845.9	3881.3	3888.3	3888.3
10°	3693.8	3768.1	3824.7	3831.7	3842.4	3831.7	3831.7	3845.9	3881.3	3888.3	3891.9
12.5°	3644.2	3746.9	3799.9	3807.0	3821.1	3817.6	3814.1	3828.2	3863.6	3870.7	3870.7
15°	3587.6	3707.9	3757.5	3764.5	3789.3	3782.2	3782.2	3796.4	3835.3	3845.9	3842.4
17.5°	3509.8	3658.4	3715.0	3725.6	3743.3	3739.7	3743.3	3757.5	3792.8	3799.9	3803.5
20°	3421.3	3591.2	3658.4	3669.0	3686.7	3686.7	3686.7	3704.4	3739.7	3753.9	3753.9
22.5°	3301.0	3520.4	3591.2	3598.2	3619.5	3619.5	3626.5	3651.3	3683.1	3686.7	3686.7
25°	3159.5	3442.6	3502.7	3524.0	3545.1	3555.8	3566.4	3580.6	3591.2	3587.6	3591.2
27.5°	3010.9	3343.5	3421.3	3435.5	3463.8	3474.4	3488.5	3492.1	3495.6	3506.2	3499.2
30°	2844.6	3205.5	3322.2	3336.4	3382.4	3389.5	3375.4	3382.4	3400.1	3407.2	3414.3
32.5°	2657.1	3000.3	3219.7	3251.5	3293.9	3272.7	3269.2	3279.8	3308.1	3308.1	3315.2
35°	2402.4	2841.1	3124.2	3152.5	3184.2	3159.5	3173.6	3177.2	3194.9	3205.5	3202.0
37.5°	2122.8	2703.1	3025.1	3046.3	3071.1	3039.2	3060.4	3071.1	3085.3	3078.1	3078.1
40°	1875.2	2487.3	2908.3	2922.4	2943.7	2919.0	2940.1	2947.3	2954.3	2947.3	2943.7
42.5°	1691.2	2250.2	2784.4	2802.2	2788.0	2805.7	2812.7	2826.9	2816.3	2802.2	2802.2
45°	1549.7	2186.6	2650.0	2671.3	2650.0	2678.3	2688.9	2688.9	2657.1	2650.0	2646.5
47.5°	1503.7	2059.2	2515.6	2515.6	2505.0	2540.3	2558.1	2533.3	2501.4	2490.9	2490.9
50°	1500.1	1917.6	2331.6	2317.4	2367.0	2409.4	2391.8	2367.0	2342.2	2303.3	2303.3
52.5°	1362.1	1744.3	2094.5	2147.6	2225.5	2250.2	2221.9	2197.2	2154.7	2137.0	2122.8
55°	1263.1	1563.9	1878.7	1984.8	2066.2	2098.1	2045.0	2020.3	1956.5	1945.9	1938.9
57.5°	1241.9	1302.0	1680.6	1815.1	1914.1	1910.6	1878.7	1832.7	1779.6	1769.1	1765.5
60°	1139.3	941.1	1468.3	1627.5	1730.2	1719.5	1691.2	1648.8	1599.2	1592.2	1585.0
62.5°	1033.1	682.9	1227.7	1408.2	1553.2	1549.7	1525.0	1461.2	1425.9	1408.2	1394.0
65°	877.4	573.2	873.9	1171.1	1379.8	1387.0	1333.8	1287.9	1249.0	1227.7	1224.1
67.5°	668.7	467.0	590.8	976.5	1213.6	1206.5	1139.3	1118.0	1068.5	1057.8	1036.7
70°	495.3	311.3	410.4	792.6	1050.8	1033.1	980.0	955.3	909.3	884.5	870.4
72.5°	410.4	251.2	300.7	615.6	884.5	863.3	817.3	789.0	750.1	728.8	714.7
75°	332.6	265.4	229.9	456.4	718.2	704.1	661.6	633.3	601.4	573.2	576.7
77.5°	244.1	247.7	184.0	336.2	569.7	548.4	523.6	488.3	474.1	445.8	445.8
80°	184.0	194.6	138.0	229.9	410.4	410.4	389.2	364.5	339.6	325.5	325.5
82.5°	123.8	123.8	102.6	145.1	279.5	268.9	254.8	247.7	233.5	226.5	226.5
85°	56.6	70.8	63.6	88.5	152.1	159.2	159.2	152.1	148.6	141.5	145.1
87.5°	17.7	31.9	38.9	49.5	77.8	81.4	84.9	84.9	84.9	88.5	88.5
90°	11.2	20.1	28.9	31.2	49.0	72.7	84.6	75.2	56.4	42.3	42.3
92.5°	44.5	120.2	196.0	214.9	302.2	418.5	476.7	417.8	300.0	211.6	203.2
95°	106.9	245.6	384.2	418.8	743.6	1176.8	1393.4	1243.4	943.4	718.4	692.9
97.5°	184.9	307.2	429.4	460.1	1001.7	1723.9	2085.1	1990.3	1800.7	1658.5	1610.0
100°	245.0	355.9	466.8	494.5	1095.6	1897.1	2297.9	2304.8	2318.7	2329.0	2271.3
102.5°	296.3	399.7	503.2	529.1	1138.7	1951.6	2358.0	2478.8	2720.3	2901.6	2852.0
105°	383.2	470.8	558.4	580.3	1170.7	1957.8	2351.3	2622.2	3163.7	3569.9	3543.3
107.5°	472.3	554.0	635.6	656.1	1176.6	1870.6	2217.6	2595.4	3350.8	3917.4	3923.8
110°	532.4	606.2	679.9	698.4	1167.6	1793.4	2106.2	2528.5	3373.0	4006.4	4034.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	591.5	661.8	732.0	749.6	1168.1	1726.0	2004.9	2437.1	3301.4	3949.7	3992.2
115°	680.5	745.4	810.2	826.5	1178.8	1648.6	1883.5	2299.8	3132.5	3756.9	3816.0
117.5°	768.5	827.5	886.4	901.1	1200.8	1600.2	1800.0	2175.7	2927.2	3490.8	3556.2
120°	819.8	875.2	930.7	944.6	1218.6	1584.0	1766.6	2109.9	2796.5	3311.4	3375.1
122.5°	869.9	925.9	981.8	995.8	1244.2	1575.4	1741.0	2050.1	2668.4	3132.1	3194.9
125°	946.8	997.8	1048.7	1061.5	1278.7	1568.3	1713.1	1975.7	2500.9	2894.9	2952.6
127.5°	1009.1	1060.6	1112.1	1125.0	1313.2	1564.2	1689.7	1915.2	2366.2	2704.4	2753.1
130°	1042.6	1098.0	1153.4	1167.3	1338.5	1566.7	1680.8	1881.6	2283.1	2584.1	2629.2
132.5°	1077.1	1132.6	1188.0	1201.8	1358.8	1568.2	1672.9	1852.6	2212.1	2481.7	2522.0
135°	1128.4	1178.8	1229.3	1241.9	1381.2	1566.8	1659.6	1810.1	2111.0	2336.8	2371.6
137.5°	1180.7	1230.7	1280.6	1293.1	1414.5	1576.5	1657.4	1784.6	2039.1	2229.9	2258.4
140°	1224.1	1270.2	1316.2	1327.7	1435.0	1578.1	1649.6	1759.4	1979.3	2144.2	2170.8
142.5°	1257.5	1300.1	1342.7	1353.3	1452.0	1583.7	1649.6	1746.1	1939.2	2084.0	2106.9
145°	1308.8	1345.9	1383.0	1392.3	1474.3	1583.8	1638.5	1717.4	1875.3	1993.8	2011.1
147.5°	1360.0	1396.1	1432.3	1441.3	1507.0	1594.7	1638.5	1700.6	1824.9	1918.1	1932.4
150°	1393.4	1426.0	1458.7	1466.9	1524.1	1600.4	1638.5	1691.0	1795.9	1874.6	1886.2
152.5°	1427.9	1452.6	1477.5	1483.6	1535.2	1604.0	1638.5	1683.3	1772.8	1840.0	1848.8
155°	1479.2	1497.5	1515.8	1520.4	1559.8	1612.3	1638.5	1674.1	1745.3	1798.8	1804.6
157.5°	1517.0	1534.9	1552.7	1557.2	1584.3	1620.5	1638.5	1666.2	1721.6	1763.2	1767.3
160°	1542.6	1556.6	1570.4	1573.9	1595.4	1624.1	1638.5	1662.2	1709.7	1745.3	1747.7
162.5°	1568.2	1578.6	1589.0	1591.6	1607.3	1628.0	1638.5	1658.5	1698.6	1728.6	1730.9
165°	1596.1	1605.5	1614.9	1617.2	1624.3	1633.8	1638.5	1652.9	1681.5	1703.0	1705.4
167.5°	1621.7	1626.2	1630.6	1631.8	1637.7	1645.6	1649.6	1659.0	1677.9	1692.0	1692.9
170°	1638.5	1643.0	1647.4	1648.5	1648.8	1649.3	1649.6	1659.0	1677.9	1692.0	1692.0
172.5°	1647.3	1648.3	1649.3	1649.6	1649.6	1649.6	1649.6	1657.0	1671.9	1683.0	1682.1
175°	1659.6	1659.6	1659.6	1659.6	1656.3	1651.8	1649.6	1654.3	1663.7	1670.7	1670.7
177.5°	1659.6	1659.6	1659.6	1659.6	1657.1	1653.6	1651.8	1655.5	1663.0	1668.5	1667.5
180°	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7
2.5°	3835.3	3824.7	3835.3	3828.2	3831.7	3821.1	3789.3	3778.6	3789.3	3799.9	3799.9
5°	3881.3	3874.2	3881.3	3881.3	3877.7	3870.7	3835.3	3828.2	3835.3	3838.8	3831.7
7.5°	3895.4	3884.9	3895.4	3888.3	3888.3	3881.3	3845.9	3838.8	3842.4	3853.0	3842.4
10°	3895.4	3884.9	3895.4	3891.9	3888.3	3881.3	3845.9	3831.7	3831.7	3842.4	3831.7
12.5°	3877.7	3870.7	3877.7	3870.7	3870.7	3863.6	3828.2	3814.1	3817.6	3821.1	3807.0
15°	3849.4	3838.8	3849.4	3842.4	3845.9	3835.3	3796.4	3782.2	3782.2	3789.3	3764.5
17.5°	3807.0	3792.8	3807.0	3803.5	3799.9	3792.8	3757.5	3743.3	3739.7	3743.3	3725.6
20°	3757.5	3746.9	3757.5	3753.9	3753.9	3739.7	3704.4	3686.7	3686.7	3686.7	3669.0
22.5°	3679.6	3669.0	3679.6	3686.7	3686.7	3683.1	3651.3	3626.5	3619.5	3619.5	3598.2
25°	3591.2	3580.6	3591.2	3591.2	3587.6	3591.2	3580.6	3566.4	3555.8	3545.1	3524.0
27.5°	3506.2	3499.2	3506.2	3499.2	3506.2	3495.6	3492.1	3488.5	3474.4	3463.8	3435.5
30°	3421.3	3414.3	3421.3	3414.3	3407.2	3400.1	3382.4	3375.4	3389.5	3382.4	3336.4
32.5°	3315.2	3308.1	3315.2	3315.2	3308.1	3308.1	3279.8	3269.2	3272.7	3293.9	3251.5
35°	3205.5	3194.9	3205.5	3202.0	3205.5	3194.9	3177.2	3173.6	3159.5	3184.2	3152.5
37.5°	3078.1	3067.5	3078.1	3078.1	3078.1	3085.3	3071.1	3060.4	3039.2	3071.1	3046.3
40°	2947.3	2933.1	2947.3	2943.7	2947.3	2954.3	2947.3	2940.1	2919.0	2943.7	2922.4
42.5°	2798.6	2795.1	2798.6	2802.2	2802.2	2816.3	2826.9	2812.7	2805.7	2788.0	2802.2
45°	2639.4	2632.3	2639.4	2646.5	2650.0	2657.1	2688.9	2688.9	2678.3	2650.0	2671.3
47.5°	2469.6	2451.9	2469.6	2490.9	2490.9	2501.4	2533.3	2558.1	2540.3	2505.0	2515.6
50°	2289.1	2292.7	2289.1	2303.3	2303.3	2342.2	2367.0	2391.8	2409.4	2367.0	2317.4
52.5°	2112.2	2108.7	2112.2	2122.8	2137.0	2154.7	2197.2	2221.9	2250.2	2225.5	2147.6
55°	1935.3	1942.4	1935.3	1938.9	1945.9	1956.5	2020.3	2045.0	2098.1	2066.2	1984.8
57.5°	1758.5	1747.8	1758.5	1765.5	1769.1	1779.6	1832.7	1878.7	1910.6	1914.1	1815.1
60°	1553.2	1539.1	1553.2	1585.0	1592.2	1599.2	1648.8	1691.2	1719.5	1730.2	1627.5
62.5°	1372.8	1348.0	1372.8	1394.0	1408.2	1425.9	1461.2	1525.0	1549.7	1553.2	1408.2
65°	1181.7	1171.1	1181.7	1224.1	1227.7	1249.0	1287.9	1333.8	1387.0	1379.8	1171.1
67.5°	1008.4	1008.4	1008.4	1036.7	1057.8	1068.5	1118.0	1139.3	1206.5	1213.6	976.5
70°	849.1	845.6	849.1	870.4	884.5	909.3	955.3	980.0	1033.1	1050.8	792.6
72.5°	697.0	693.5	697.0	714.7	728.8	750.1	789.0	817.3	863.3	884.5	615.6
75°	562.5	555.5	562.5	576.7	573.2	601.4	633.3	661.6	704.1	718.2	456.4
77.5°	431.7	431.7	431.7	445.8	445.8	474.1	488.3	523.6	548.4	569.7	336.2
80°	322.0	318.4	322.0	325.5	325.5	339.6	364.5	389.2	410.4	410.4	229.9
82.5°	226.5	219.3	226.5	226.5	226.5	233.5	247.7	254.8	268.9	279.5	145.1
85°	141.5	141.5	141.5	145.1	141.5	148.6	152.1	159.2	159.2	152.1	88.5
87.5°	92.0	88.5	92.0	88.5	88.5	84.9	84.9	84.9	81.4	77.8	49.5
90°	42.3	42.3	42.3	42.3	42.3	56.4	75.2	84.6	72.7	49.0	31.2
92.5°	169.5	135.9	169.5	203.2	211.6	300.0	417.8	476.7	418.5	302.2	214.9
95°	590.9	489.0	590.9	692.9	718.4	943.4	1243.4	1393.4	1176.8	743.6	418.8
97.5°	1416.0	1221.9	1416.0	1610.0	1658.5	1800.7	1990.3	2085.1	1723.9	1001.7	460.1
100°	2040.1	1808.9	2040.1	2271.3	2329.0	2318.7	2304.8	2297.9	1897.1	1095.6	494.5
102.5°	2654.0	2456.0	2654.0	2852.0	2901.6	2720.3	2478.8	2358.0	1951.6	1138.7	529.1
105°	3436.8	3330.4	3436.8	3543.3	3569.9	3163.7	2622.2	2351.3	1957.8	1170.7	580.3
107.5°	3949.6	3975.3	3949.6	3923.8	3917.4	3350.8	2595.4	2217.6	1870.6	1176.6	656.1
110°	4145.1	4256.0	4145.1	4034.2	4006.4	3373.0	2528.5	2106.2	1793.4	1167.6	698.4



TEST NUMBER: P935227

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4162.6	4332.9	4162.6	3992.2	3949.7	3301.4	2437.1	2004.9	1726.0	1168.1	749.6
115°	4052.1	4288.2	4052.1	3816.0	3756.9	3132.5	2299.8	1883.5	1648.6	1178.8	826.5
117.5°	3818.1	4080.0	3818.1	3556.2	3490.8	2927.2	2175.7	1800.0	1600.2	1200.8	901.1
120°	3629.5	3884.0	3629.5	3375.1	3311.4	2796.5	2109.9	1766.6	1584.0	1218.6	944.6
122.5°	3445.8	3696.8	3445.8	3194.9	3132.1	2668.4	2050.1	1741.0	1575.4	1244.2	995.8
125°	3183.8	3415.0	3183.8	2952.6	2894.9	2500.9	1975.7	1713.1	1568.3	1278.7	1061.5
127.5°	2948.2	3143.3	2948.2	2753.1	2704.4	2366.2	1915.2	1689.7	1564.2	1313.2	1125.0
130°	2809.3	2989.6	2809.3	2629.2	2584.1	2283.1	1881.6	1680.8	1566.7	1338.5	1167.3
132.5°	2683.4	2844.8	2683.4	2522.0	2481.7	2212.1	1852.6	1672.9	1568.2	1358.8	1201.8
135°	2510.7	2649.8	2510.7	2371.6	2336.8	2111.0	1810.1	1659.6	1566.8	1381.2	1241.9
137.5°	2372.2	2486.1	2372.2	2258.4	2229.9	2039.1	1784.6	1657.4	1576.5	1414.5	1293.1
140°	2277.3	2383.7	2277.3	2170.8	2144.2	1979.3	1759.4	1649.6	1578.1	1435.0	1327.7
142.5°	2198.4	2290.0	2198.4	2106.9	2084.0	1939.2	1746.1	1649.6	1583.7	1452.0	1353.3
145°	2080.4	2149.7	2080.4	2011.1	1993.8	1875.3	1717.4	1638.5	1583.8	1474.3	1392.3
147.5°	1989.8	2047.2	1989.8	1932.4	1918.1	1824.9	1700.6	1638.5	1594.7	1507.0	1441.3
150°	1932.8	1979.3	1932.8	1886.2	1874.6	1795.9	1691.0	1638.5	1600.4	1524.1	1466.9
152.5°	1884.0	1919.1	1884.0	1848.8	1840.0	1772.8	1683.3	1638.5	1604.0	1535.2	1483.6
155°	1827.9	1851.2	1827.9	1804.6	1798.8	1745.3	1674.1	1638.5	1612.3	1559.8	1520.4
157.5°	1783.6	1800.0	1783.6	1767.3	1763.2	1721.6	1666.2	1638.5	1620.5	1584.3	1557.2
160°	1757.1	1766.6	1757.1	1747.7	1745.3	1709.7	1662.2	1638.5	1624.1	1595.4	1573.9
162.5°	1739.8	1748.7	1739.8	1730.9	1728.6	1698.6	1658.5	1638.5	1628.0	1607.3	1591.6
165°	1714.8	1724.2	1714.8	1705.4	1703.0	1681.5	1652.9	1638.5	1633.8	1624.3	1617.2
167.5°	1696.9	1700.8	1696.9	1692.9	1692.0	1677.9	1659.0	1649.6	1645.6	1637.7	1631.8
170°	1692.0	1692.0	1692.0	1692.0	1692.0	1677.9	1659.0	1649.6	1649.3	1648.8	1648.5
172.5°	1678.7	1675.2	1678.7	1682.1	1683.0	1671.9	1657.0	1649.6	1649.6	1649.6	1649.6
175°	1670.7	1670.7	1670.7	1670.7	1670.7	1663.7	1654.3	1649.6	1651.8	1656.3	1659.6
177.5°	1663.6	1659.6	1663.6	1667.5	1668.5	1663.0	1655.5	1651.8	1653.6	1657.1	1659.6
180°	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6



TEST NUMBER: P935227

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7
2.5°	3792.8	3771.6	3771.6	3736.2	3722.0	3711.4	3693.8	3640.7	3626.5	3612.3	3633.6
5°	3824.7	3785.8	3757.5	3693.8	3640.7	3619.5	3552.3	3424.9	3339.9	3276.3	3240.9
7.5°	3831.7	3782.2	3729.1	3630.1	3502.7	3446.1	3240.9	3007.4	2943.7	2887.1	2851.7
10°	3824.7	3768.1	3693.8	3545.1	3244.4	3145.3	2940.1	2788.0	2749.1	2738.5	2749.1
12.5°	3799.9	3746.9	3644.2	3396.6	2975.5	2908.3	2788.0	2699.6	2692.5	2710.2	2805.7
15°	3757.5	3707.9	3587.6	3198.4	2826.9	2777.4	2692.5	2660.6	2699.6	2823.4	3110.0
17.5°	3715.0	3658.4	3509.8	3003.8	2713.7	2678.3	2618.1	2681.9	2901.2	3067.5	3163.1
20°	3658.4	3591.2	3421.3	2862.3	2632.3	2600.5	2572.2	2858.8	3025.1	3085.3	3138.3
22.5°	3591.2	3520.4	3301.0	2763.3	2547.4	2522.6	2540.3	2957.9	3025.1	3067.5	3113.5
25°	3502.7	3442.6	3159.5	2685.4	2480.2	2451.9	2519.2	2947.3	2986.2	2996.8	3088.7
27.5°	3421.3	3343.5	3010.9	2614.7	2398.8	2388.2	2536.8	2901.2	2929.6	2940.1	3039.2
30°	3322.2	3205.5	2844.6	2540.3	2313.9	2310.4	2540.3	2844.6	2837.5	2865.8	2964.9
32.5°	3219.7	3000.3	2657.1	2448.4	2232.5	2229.0	2515.6	2759.7	2752.7	2791.6	2865.8
35°	3124.2	2841.1	2402.4	2342.2	2130.0	2133.5	2455.4	2660.6	2664.2	2699.6	2745.5
37.5°	3025.1	2703.1	2122.8	2225.5	2030.9	2030.9	2374.0	2568.7	2561.6	2572.2	2635.9
40°	2908.3	2487.3	1875.2	2073.3	1938.9	1928.2	2275.0	2469.6	2444.8	2441.3	2529.8
42.5°	2784.4	2250.2	1691.2	1871.6	1832.7	1818.5	2154.7	2349.3	2303.3	2313.9	2427.1
45°	2650.0	2186.6	1549.7	1581.5	1723.0	1712.4	2023.7	2211.3	2179.4	2207.8	2324.6
47.5°	2515.6	2059.2	1503.7	1312.6	1606.3	1602.8	1878.7	2076.9	2059.2	2087.5	2211.3
50°	2331.6	1917.6	1500.1	1125.1	1475.4	1489.5	1705.4	1945.9	1945.9	1970.7	2101.6
52.5°	2094.5	1744.3	1362.1	1018.9	1323.2	1365.7	1553.2	1832.7	1839.8	1864.6	1981.3
55°	1878.7	1563.9	1263.1	937.6	1142.8	1234.8	1404.6	1716.0	1730.2	1754.9	1861.0
57.5°	1680.6	1302.0	1241.9	842.1	976.5	1065.0	1273.7	1602.8	1609.8	1631.1	1733.6
60°	1468.3	941.1	1139.3	739.4	831.5	898.7	1153.4	1468.3	1493.1	1507.2	1595.6
62.5°	1227.7	682.9	1033.1	668.7	760.7	774.9	1054.4	1340.9	1372.8	1383.4	1436.5
65°	873.9	573.2	877.4	608.6	686.4	689.9	948.2	1210.0	1238.3	1256.0	1294.9
67.5°	590.8	467.0	668.7	551.9	629.7	633.3	845.6	1057.8	1096.8	1111.0	1135.8
70°	410.4	311.3	495.3	491.8	566.1	573.2	736.0	919.9	955.3	965.9	980.0
72.5°	300.7	251.2	410.4	442.3	498.9	505.9	622.7	764.3	799.6	810.2	817.3
75°	229.9	265.4	332.6	385.6	424.5	428.1	509.5	622.7	647.5	654.6	658.0
77.5°	184.0	247.7	244.1	311.3	346.7	339.6	399.8	481.2	502.4	502.4	502.4
80°	138.0	194.6	184.0	222.9	254.8	247.7	286.6	343.2	350.3	357.3	353.8
82.5°	102.6	123.8	123.8	141.5	169.9	162.7	191.0	222.9	222.9	222.9	229.9
85°	63.6	70.8	56.6	74.3	95.5	92.0	106.1	120.3	123.8	123.8	116.8
87.5°	38.9	31.9	17.7	28.3	42.5	42.5	49.5	53.1	49.5	49.5	49.5
90°	28.9	20.1	11.2	20.1	28.9	31.2	49.0	72.7	84.6	75.2	56.4
92.5°	196.0	120.2	44.5	120.2	196.0	214.9	302.2	418.5	476.7	417.8	300.0
95°	384.2	245.6	106.9	245.6	384.2	418.8	743.6	1176.8	1393.4	1243.4	943.4
97.5°	429.4	307.2	184.9	307.2	429.4	460.1	1001.7	1723.9	2085.1	1990.3	1800.7
100°	466.8	355.9	245.0	355.9	466.8	494.5	1095.6	1897.1	2297.9	2304.8	2318.7
102.5°	503.2	399.7	296.3	399.7	503.2	529.1	1138.7	1951.6	2358.0	2478.8	2720.3
105°	558.4	470.8	383.2	470.8	558.4	580.3	1170.7	1957.8	2351.3	2622.2	3163.7
107.5°	635.6	554.0	472.3	554.0	635.6	656.1	1176.6	1870.6	2217.6	2595.4	3350.8
110°	679.9	606.2	532.4	606.2	679.9	698.4	1167.6	1793.4	2106.2	2528.5	3373.0



TEST NUMBER: P935227

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	732.0	661.8	591.5	661.8	732.0	749.6	1168.1	1726.0	2004.9	2437.1	3301.4
115°	810.2	745.4	680.5	745.4	810.2	826.5	1178.8	1648.6	1883.5	2299.8	3132.5
117.5°	886.4	827.5	768.5	827.5	886.4	901.1	1200.8	1600.2	1800.0	2175.7	2927.2
120°	930.7	875.2	819.8	875.2	930.7	944.6	1218.6	1584.0	1766.6	2109.9	2796.5
122.5°	981.8	925.9	869.9	925.9	981.8	995.8	1244.2	1575.4	1741.0	2050.1	2668.4
125°	1048.7	997.8	946.8	997.8	1048.7	1061.5	1278.7	1568.3	1713.1	1975.7	2500.9
127.5°	1112.1	1060.6	1009.1	1060.6	1112.1	1125.0	1313.2	1564.2	1689.7	1915.2	2366.2
130°	1153.4	1098.0	1042.6	1098.0	1153.4	1167.3	1338.5	1566.7	1680.8	1881.6	2283.1
132.5°	1188.0	1132.6	1077.1	1132.6	1188.0	1201.8	1358.8	1568.2	1672.9	1852.6	2212.1
135°	1229.3	1178.8	1128.4	1178.8	1229.3	1241.9	1381.2	1566.8	1659.6	1810.1	2111.0
137.5°	1280.6	1230.7	1180.7	1230.7	1280.6	1293.1	1414.5	1576.5	1657.4	1784.6	2039.1
140°	1316.2	1270.2	1224.1	1270.2	1316.2	1327.7	1435.0	1578.1	1649.6	1759.4	1979.3
142.5°	1342.7	1300.1	1257.5	1300.1	1342.7	1353.3	1452.0	1583.7	1649.6	1746.1	1939.2
145°	1383.0	1345.9	1308.8	1345.9	1383.0	1392.3	1474.3	1583.8	1638.5	1717.4	1875.3
147.5°	1432.3	1396.1	1360.0	1396.1	1432.3	1441.3	1507.0	1594.7	1638.5	1700.6	1824.9
150°	1458.7	1426.0	1393.4	1426.0	1458.7	1466.9	1524.1	1600.4	1638.5	1691.0	1795.9
152.5°	1477.5	1452.6	1427.9	1452.6	1477.5	1483.6	1535.2	1604.0	1638.5	1683.3	1772.8
155°	1515.8	1497.5	1479.2	1497.5	1515.8	1520.4	1559.8	1612.3	1638.5	1674.1	1745.3
157.5°	1552.7	1534.9	1517.0	1534.9	1552.7	1557.2	1584.3	1620.5	1638.5	1666.2	1721.6
160°	1570.4	1556.6	1542.6	1556.6	1570.4	1573.9	1595.4	1624.1	1638.5	1662.2	1709.7
162.5°	1589.0	1578.6	1568.2	1578.6	1589.0	1591.6	1607.3	1628.0	1638.5	1658.5	1698.6
165°	1614.9	1605.5	1596.1	1605.5	1614.9	1617.2	1624.3	1633.8	1638.5	1652.9	1681.5
167.5°	1630.6	1626.2	1621.7	1626.2	1630.6	1631.8	1637.7	1645.6	1649.6	1659.0	1677.9
170°	1647.4	1643.0	1638.5	1643.0	1647.4	1648.5	1648.8	1649.3	1649.6	1659.0	1677.9
172.5°	1649.3	1648.3	1647.3	1648.3	1649.3	1649.6	1649.6	1649.6	1649.6	1657.0	1671.9
175°	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1656.3	1651.8	1649.6	1654.3	1663.7
177.5°	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1657.1	1653.6	1651.8	1655.5	1663.0
180°	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6



TEST NUMBER: P935227

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7
2.5°	3608.9	3598.2	3612.3	3573.4	3612.3	3598.2	3608.9	3633.6	3612.3	3626.5	3640.7
5°	3166.6	3148.9	3092.3	3046.3	3092.3	3148.9	3166.6	3240.9	3276.3	3339.9	3424.9
7.5°	2830.5	2816.3	2802.2	2773.8	2802.2	2816.3	2830.5	2851.7	2887.1	2943.7	3007.4
10°	2756.1	2759.7	2781.0	2777.4	2781.0	2759.7	2756.1	2749.1	2738.5	2749.1	2788.0
12.5°	2947.3	2979.0	3095.8	3088.7	3095.8	2979.0	2947.3	2805.7	2710.2	2692.5	2699.6
15°	3166.6	3177.2	3202.0	3205.5	3202.0	3177.2	3166.6	3110.0	2823.4	2699.6	2660.6
17.5°	3187.8	3191.4	3209.1	3209.1	3209.1	3191.4	3187.8	3163.1	3067.5	2901.2	2681.9
20°	3170.1	3177.2	3212.5	3219.7	3212.5	3177.2	3170.1	3138.3	3085.3	3025.1	2858.8
22.5°	3163.1	3177.2	3205.5	3202.0	3205.5	3177.2	3163.1	3113.5	3067.5	3025.1	2957.9
25°	3127.7	3127.7	3131.2	3134.7	3131.2	3127.7	3127.7	3088.7	2996.8	2986.2	2947.3
27.5°	3053.4	3060.4	3081.7	3078.1	3081.7	3060.4	3053.4	3039.2	2940.1	2929.6	2901.2
30°	2986.2	2979.0	2961.4	2947.3	2961.4	2979.0	2986.2	2964.9	2865.8	2837.5	2844.6
32.5°	2872.9	2855.2	2837.5	2826.9	2837.5	2855.2	2872.9	2865.8	2791.6	2752.7	2759.7
35°	2738.5	2742.0	2738.5	2727.8	2738.5	2742.0	2738.5	2745.5	2699.6	2664.2	2660.6
37.5°	2643.0	2650.0	2646.5	2632.3	2646.5	2650.0	2643.0	2635.9	2572.2	2561.6	2568.7
40°	2543.9	2547.4	2543.9	2533.3	2543.9	2547.4	2543.9	2529.8	2441.3	2444.8	2469.6
42.5°	2448.4	2444.8	2434.2	2427.1	2434.2	2444.8	2448.4	2427.1	2313.9	2303.3	2349.3
45°	2338.7	2342.2	2321.0	2310.4	2321.0	2342.2	2338.7	2324.6	2207.8	2179.4	2211.3
47.5°	2229.0	2229.0	2211.3	2200.7	2211.3	2229.0	2229.0	2211.3	2087.5	2059.2	2076.9
50°	2112.2	2108.7	2083.9	2080.4	2083.9	2108.7	2112.2	2101.6	1970.7	1945.9	1945.9
52.5°	1977.8	1977.8	1981.3	1988.4	1981.3	1977.8	1977.8	1981.3	1864.6	1839.8	1832.7
55°	1861.0	1864.6	1889.3	1896.4	1889.3	1864.6	1861.0	1861.0	1754.9	1730.2	1716.0
57.5°	1740.7	1740.7	1758.5	1758.5	1758.5	1740.7	1740.7	1733.6	1631.1	1609.8	1602.8
60°	1602.8	1609.8	1623.9	1620.5	1623.9	1609.8	1602.8	1595.6	1507.2	1493.1	1468.3
62.5°	1457.6	1464.8	1468.3	1461.2	1468.3	1464.8	1457.6	1436.5	1383.4	1372.8	1340.9
65°	1305.5	1312.6	1316.2	1309.1	1316.2	1312.6	1305.5	1294.9	1256.0	1238.3	1210.0
67.5°	1149.9	1146.3	1142.8	1156.9	1142.8	1146.3	1149.9	1135.8	1111.0	1096.8	1057.8
70°	990.6	990.6	987.1	994.2	987.1	990.6	990.6	980.0	965.9	955.3	919.9
72.5°	820.9	817.3	831.5	820.9	831.5	817.3	820.9	817.3	810.2	799.6	764.3
75°	654.6	661.6	654.6	665.2	654.6	661.6	654.6	658.0	654.6	647.5	622.7
77.5°	498.9	505.9	498.9	498.9	498.9	505.9	498.9	502.4	502.4	502.4	481.2
80°	353.8	350.3	350.3	346.7	350.3	350.3	353.8	353.8	357.3	350.3	343.2
82.5°	226.5	222.9	222.9	229.9	222.9	222.9	226.5	229.9	222.9	222.9	222.9
85°	123.8	127.4	120.3	120.3	120.3	127.4	123.8	116.8	123.8	123.8	120.3
87.5°	46.0	42.5	42.5	42.5	42.5	42.5	46.0	49.5	49.5	49.5	53.1
90°	42.3	42.3	42.3	42.3	42.3	42.3	42.3	56.4	75.2	84.6	72.7
92.5°	211.6	203.2	169.5	135.9	169.5	203.2	211.6	300.0	417.8	476.7	418.5
95°	718.4	692.9	590.9	489.0	590.9	692.9	718.4	943.4	1243.4	1393.4	1176.8
97.5°	1658.5	1610.0	1416.0	1221.9	1416.0	1610.0	1658.5	1800.7	1990.3	2085.1	1723.9
100°	2329.0	2271.3	2040.1	1808.9	2040.1	2271.3	2329.0	2318.7	2304.8	2297.9	1897.1
102.5°	2901.6	2852.0	2654.0	2456.0	2654.0	2852.0	2901.6	2720.3	2478.8	2358.0	1951.6
105°	3569.9	3543.3	3436.8	3330.4	3436.8	3543.3	3569.9	3163.7	2622.2	2351.3	1957.8
107.5°	3917.4	3923.8	3949.6	3975.3	3949.6	3923.8	3917.4	3350.8	2595.4	2217.6	1870.6
110°	4006.4	4034.2	4145.1	4256.0	4145.1	4034.2	4006.4	3373.0	2528.5	2106.2	1793.4



TEST NUMBER: P935227

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3949.7	3992.2	4162.6	4332.9	4162.6	3992.2	3949.7	3301.4	2437.1	2004.9	1726.0
115°	3756.9	3816.0	4052.1	4288.2	4052.1	3816.0	3756.9	3132.5	2299.8	1883.5	1648.6
117.5°	3490.8	3556.2	3818.1	4080.0	3818.1	3556.2	3490.8	2927.2	2175.7	1800.0	1600.2
120°	3311.4	3375.1	3629.5	3884.0	3629.5	3375.1	3311.4	2796.5	2109.9	1766.6	1584.0
122.5°	3132.1	3194.9	3445.8	3696.8	3445.8	3194.9	3132.1	2668.4	2050.1	1741.0	1575.4
125°	2894.9	2952.6	3183.8	3415.0	3183.8	2952.6	2894.9	2500.9	1975.7	1713.1	1568.3
127.5°	2704.4	2753.1	2948.2	3143.3	2948.2	2753.1	2704.4	2366.2	1915.2	1689.7	1564.2
130°	2584.1	2629.2	2809.3	2989.6	2809.3	2629.2	2584.1	2283.1	1881.6	1680.8	1566.7
132.5°	2481.7	2522.0	2683.4	2844.8	2683.4	2522.0	2481.7	2212.1	1852.6	1672.9	1568.2
135°	2336.8	2371.6	2510.7	2649.8	2510.7	2371.6	2336.8	2111.0	1810.1	1659.6	1566.8
137.5°	2229.9	2258.4	2372.2	2486.1	2372.2	2258.4	2229.9	2039.1	1784.6	1657.4	1576.5
140°	2144.2	2170.8	2277.3	2383.7	2277.3	2170.8	2144.2	1979.3	1759.4	1649.6	1578.1
142.5°	2084.0	2106.9	2198.4	2290.0	2198.4	2106.9	2084.0	1939.2	1746.1	1649.6	1583.7
145°	1993.8	2011.1	2080.4	2149.7	2080.4	2011.1	1993.8	1875.3	1717.4	1638.5	1583.8
147.5°	1918.1	1932.4	1989.8	2047.2	1989.8	1932.4	1918.1	1824.9	1700.6	1638.5	1594.7
150°	1874.6	1886.2	1932.8	1979.3	1932.8	1886.2	1874.6	1795.9	1691.0	1638.5	1600.4
152.5°	1840.0	1848.8	1884.0	1919.1	1884.0	1848.8	1840.0	1772.8	1683.3	1638.5	1604.0
155°	1798.8	1804.6	1827.9	1851.2	1827.9	1804.6	1798.8	1745.3	1674.1	1638.5	1612.3
157.5°	1763.2	1767.3	1783.6	1800.0	1783.6	1767.3	1763.2	1721.6	1666.2	1638.5	1620.5
160°	1745.3	1747.7	1757.1	1766.6	1757.1	1747.7	1745.3	1709.7	1662.2	1638.5	1624.1
162.5°	1728.6	1730.9	1739.8	1748.7	1739.8	1730.9	1728.6	1698.6	1658.5	1638.5	1628.0
165°	1703.0	1705.4	1714.8	1724.2	1714.8	1705.4	1703.0	1681.5	1652.9	1638.5	1633.8
167.5°	1692.0	1692.9	1696.9	1700.8	1696.9	1692.9	1692.0	1677.9	1659.0	1649.6	1645.6
170°	1692.0	1692.0	1692.0	1692.0	1692.0	1692.0	1692.0	1677.9	1659.0	1649.6	1649.3
172.5°	1683.0	1682.1	1678.7	1675.2	1678.7	1682.1	1683.0	1671.9	1657.0	1649.6	1649.6
175°	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1663.7	1654.3	1649.6	1651.8
177.5°	1668.5	1667.5	1663.6	1659.6	1663.6	1667.5	1668.5	1663.0	1655.5	1651.8	1653.6
180°	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3739.7	3739.7	3739.7	3739.7	3739.7
2.5°	3693.8	3711.4	3722.0	3736.2	3771.6
5°	3552.3	3619.5	3640.7	3693.8	3757.5
7.5°	3240.9	3446.1	3502.7	3630.1	3729.1
10°	2940.1	3145.3	3244.4	3545.1	3693.8
12.5°	2788.0	2908.3	2975.5	3396.6	3644.2
15°	2692.5	2777.4	2826.9	3198.4	3587.6
17.5°	2618.1	2678.3	2713.7	3003.8	3509.8
20°	2572.2	2600.5	2632.3	2862.3	3421.3
22.5°	2540.3	2522.6	2547.4	2763.3	3301.0
25°	2519.2	2451.9	2480.2	2685.4	3159.5
27.5°	2536.8	2388.2	2398.8	2614.7	3010.9
30°	2540.3	2310.4	2313.9	2540.3	2844.6
32.5°	2515.6	2229.0	2232.5	2448.4	2657.1
35°	2455.4	2133.5	2130.0	2342.2	2402.4
37.5°	2374.0	2030.9	2030.9	2225.5	2122.8
40°	2275.0	1928.2	1938.9	2073.3	1875.2
42.5°	2154.7	1818.5	1832.7	1871.6	1691.2
45°	2023.7	1712.4	1723.0	1581.5	1549.7
47.5°	1878.7	1602.8	1606.3	1312.6	1503.7
50°	1705.4	1489.5	1475.4	1125.1	1500.1
52.5°	1553.2	1365.7	1323.2	1018.9	1362.1
55°	1404.6	1234.8	1142.8	937.6	1263.1
57.5°	1273.7	1065.0	976.5	842.1	1241.9
60°	1153.4	898.7	831.5	739.4	1139.3
62.5°	1054.4	774.9	760.7	668.7	1033.1
65°	948.2	689.9	686.4	608.6	877.4
67.5°	845.6	633.3	629.7	551.9	668.7
70°	736.0	573.2	566.1	491.8	495.3
72.5°	622.7	505.9	498.9	442.3	410.4
75°	509.5	428.1	424.5	385.6	332.6
77.5°	399.8	339.6	346.7	311.3	244.1
80°	286.6	247.7	254.8	222.9	184.0
82.5°	191.0	162.7	169.9	141.5	123.8
85°	106.1	92.0	95.5	74.3	56.6
87.5°	49.5	42.5	42.5	28.3	17.7
90°	49.0	31.2	28.9	20.1	11.2
92.5°	302.2	214.9	196.0	120.2	44.5
95°	743.6	418.8	384.2	245.6	106.9
97.5°	1001.7	460.1	429.4	307.2	184.9
100°	1095.6	494.5	466.8	355.9	245.0
102.5°	1138.7	529.1	503.2	399.7	296.3
105°	1170.7	580.3	558.4	470.8	383.2
107.5°	1176.6	656.1	635.6	554.0	472.3
110°	1167.6	698.4	679.9	606.2	532.4



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CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1168.1	749.6	732.0	661.8	591.5
115°	1178.8	826.5	810.2	745.4	680.5
117.5°	1200.8	901.1	886.4	827.5	768.5
120°	1218.6	944.6	930.7	875.2	819.8
122.5°	1244.2	995.8	981.8	925.9	869.9
125°	1278.7	1061.5	1048.7	997.8	946.8
127.5°	1313.2	1125.0	1112.1	1060.6	1009.1
130°	1338.5	1167.3	1153.4	1098.0	1042.6
132.5°	1358.8	1201.8	1188.0	1132.6	1077.1
135°	1381.2	1241.9	1229.3	1178.8	1128.4
137.5°	1414.5	1293.1	1280.6	1230.7	1180.7
140°	1435.0	1327.7	1316.2	1270.2	1224.1
142.5°	1452.0	1353.3	1342.7	1300.1	1257.5
145°	1474.3	1392.3	1383.0	1345.9	1308.8
147.5°	1507.0	1441.3	1432.3	1396.1	1360.0
150°	1524.1	1466.9	1458.7	1426.0	1393.4
152.5°	1535.2	1483.6	1477.5	1452.6	1427.9
155°	1559.8	1520.4	1515.8	1497.5	1479.2
157.5°	1584.3	1557.2	1552.7	1534.9	1517.0
160°	1595.4	1573.9	1570.4	1556.6	1542.6
162.5°	1607.3	1591.6	1589.0	1578.6	1568.2
165°	1624.3	1617.2	1614.9	1605.5	1596.1
167.5°	1637.7	1631.8	1630.6	1626.2	1621.7
170°	1648.8	1648.5	1647.4	1643.0	1638.5
172.5°	1649.6	1649.6	1649.3	1648.3	1647.3
175°	1656.3	1659.6	1659.6	1659.6	1659.6
177.5°	1657.1	1659.6	1659.6	1659.6	1659.6
180°	1659.6	1659.6	1659.6	1659.6	1659.6



TEST NUMBER: P935227
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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	13.07	13.91	14.05	14.91	16.21	15.93	16.76	16.90	17.76	19.06
	3H	13.55	14.30	14.54	15.30	16.63	17.28	18.03	18.27	19.03	20.36
	4H	13.74	14.45	14.74	15.46	16.79	17.72	18.43	18.73	19.44	20.78
	6H	13.86	14.51	14.87	15.52	16.87	18.01	18.67	19.03	19.68	21.03
	8H	13.86	14.48	14.88	15.51	16.85	18.09	18.71	19.11	19.74	21.09
	12H	13.83	14.42	14.85	15.44	16.81	18.13	18.72	19.16	19.74	21.11
4H	2H	14.11	14.82	15.12	15.82	17.16	16.33	17.04	17.34	18.05	19.38
	3H	15.13	15.73	16.15	16.76	18.11	17.84	18.43	18.86	19.47	20.82
	4H	15.41	15.95	16.44	16.98	18.35	18.37	18.91	19.40	19.94	21.31
	6H	15.53	16.00	16.57	17.05	18.42	18.74	19.21	19.78	20.26	21.63
	8H	15.54	15.97	16.58	17.02	18.40	18.85	19.29	19.89	20.33	21.71
	12H	15.50	15.90	16.56	16.95	18.34	18.91	19.30	19.97	20.36	21.75
8H	4H	15.86	16.30	16.90	17.34	18.73	18.49	18.93	19.53	19.97	21.36
	6H	16.13	16.48	17.19	17.57	18.95	18.94	19.30	20.00	20.38	21.76
	8H	16.17	16.48	17.24	17.55	18.95	19.09	19.41	20.16	20.48	21.88
	12H	16.15	16.43	17.22	17.49	18.94	19.19	19.47	20.27	20.53	21.98
12H	4H	15.87	16.26	16.93	17.32	18.71	18.46	18.85	19.51	19.91	21.30
	6H	16.19	16.50	17.26	17.57	18.97	18.93	19.25	20.00	20.32	21.72
	8H	16.25	16.53	17.33	17.59	19.04	19.10	19.37	20.17	20.44	21.88