

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: P935225

Luminaire Tested: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935225
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-12-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

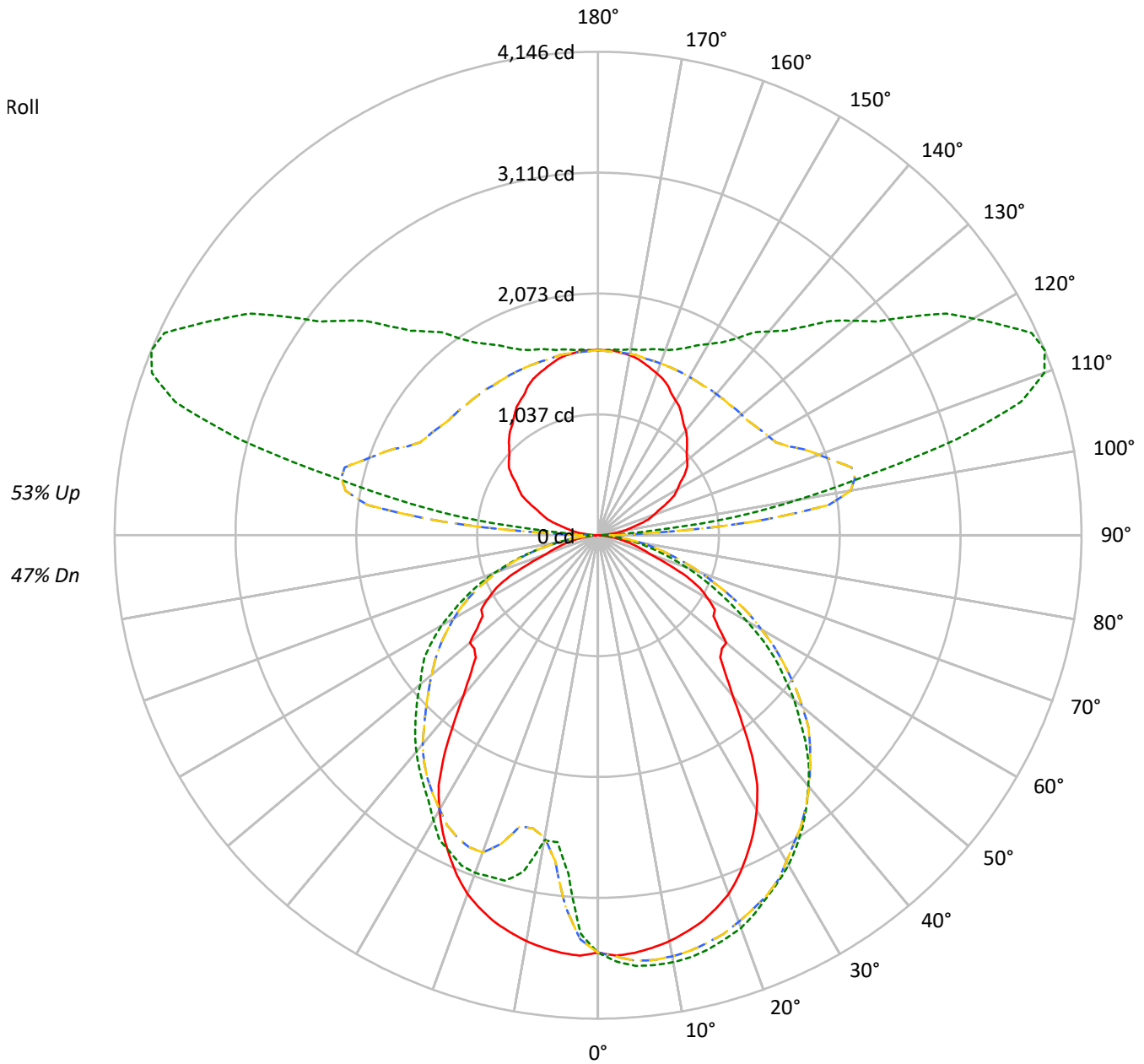
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19579.2 lumens
Efficiency: N/A
Efficacy: 112.5 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	0
RCR																		
0	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	47
1	97	93	89	86	89	86	82	79	72	70	67	59	58	56	48	47	46	40
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	42	40	38	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	28
4	74	63	55	49	68	58	51	46	49	44	40	41	37	34	33	30	28	24
5	68	56	48	42	62	52	45	39	44	39	34	37	33	29	30	27	24	21
6	62	50	42	36	57	47	39	34	40	34	30	33	29	26	27	24	21	19
7	58	45	37	32	53	42	35	30	36	30	26	30	26	23	25	21	19	16
8	53	41	33	28	49	38	31	27	33	27	23	28	23	20	23	19	17	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11069	11069	11069	11069
5°	11156	11173	11156	8786
10°	11085	11006	11085	7869
15°	10968	10768	10968	8991
20°	10743	10485	10743	9010
25°	10278	10073	10278	8819
30°	9675	9731	9675	8400
35°	8630	9298	8630	7939
40°	7195	8789	7195	7591
45°	6433	8193	6433	7191
50°	6839	7482	6839	6789
55°	6441	6716	6441	6557
60°	6648	5704	6648	6005
65°	6037	4715	6037	5271
70°	4191	3757	4191	4418
75°	3688	2777	3688	3326
80°	2993	1836	2993	1999
85°	1756	972	1756	827

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 9853 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.0	1.6
10°-20°	917.1	4.7
20°-30°	1417.7	7.2
30°-40°	1692.5	8.6
40°-50°	1702.4	8.7
50°-60°	1481.3	7.6
60°-70°	1050.3	5.4
70°-80°	555.6	2.8
80°-90°	144.4	0.7
90°-100°	774.1	4.0
100°-110°	2035.1	10.4
110°-120°	2110.2	10.8
120°-130°	1692.7	8.6
130°-140°	1328.1	6.8
140°-150°	1019.4	5.2
150°-160°	734.1	3.7
160°-170°	449.2	2.3
170°-180°	151.8	0.8
0°-30°	2657.9	13.6
0°-40°	4350.4	22.2
0°-60°	7534.1	38.5
0°-90°	9284.5	47.4
90°-120°	4919.5	25.1
90°-150°	8959.7	45.8
90°-180°	10295.0	52.6
0°-180°	19579.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3578	3578	3578	3578	3578	
5°	3596	3707	3596	2915	3596	341
15°	3433	3673	3433	3067	3433	966
25°	3023	3426	3023	3000	3023	1388
35°	2299	3057	2299	2610	2299	1422
45°	1483	2519	1483	2211	1483	1188
55°	1209	1859	1209	1815	1209	1111
65°	840	1121	840	1253	840	802
75°	318	532	318	636	318	335
85°	54	135	54	115	54	73
90°	11	40	11	40	11	11
95°	102	468	102	468	102	114
105°	367	3187	367	3187	367	389
115°	651	4103	651	4103	651	643
125°	906	3268	906	3268	906	804
135°	1080	2536	1080	2536	1080	835
145°	1252	2057	1252	2057	1252	785
155°	1415	1771	1415	1771	1415	650
165°	1527	1650	1527	1650	1527	431
175°	1588	1599	1588	1599	1588	151
180°	1588	1588	1588	1588	1588	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5
2.5°	3608.9	3608.9	3629.3	3636.0	3636.0	3625.9	3615.7	3625.9	3656.4	3666.5	3663.1
5°	3595.5	3622.5	3659.8	3666.5	3673.3	3669.9	3663.1	3669.9	3703.8	3710.5	3713.9
7.5°	3568.3	3619.1	3666.5	3676.7	3686.8	3676.7	3673.3	3680.1	3713.9	3720.7	3720.7
10°	3534.5	3605.6	3659.8	3666.5	3676.7	3666.5	3666.5	3680.1	3713.9	3720.7	3724.1
12.5°	3487.1	3585.3	3636.0	3642.9	3656.4	3652.9	3649.6	3663.1	3697.0	3703.8	3703.8
15°	3432.9	3548.0	3595.5	3602.2	3625.9	3619.1	3619.1	3632.7	3669.9	3680.1	3676.7
17.5°	3358.4	3500.6	3554.8	3565.0	3581.9	3578.5	3581.9	3595.5	3629.3	3636.0	3639.4
20°	3273.8	3436.3	3500.6	3510.8	3527.7	3527.7	3527.7	3544.6	3578.5	3592.0	3592.0
22.5°	3158.7	3368.6	3436.3	3443.1	3463.4	3463.4	3470.2	3493.8	3524.3	3527.7	3527.7
25°	3023.3	3294.1	3351.7	3372.0	3392.3	3402.4	3412.6	3426.2	3436.3	3432.9	3436.3
27.5°	2881.1	3199.3	3273.8	3287.4	3314.4	3324.6	3338.1	3341.5	3344.9	3355.0	3348.3
30°	2721.9	3067.3	3179.0	3192.6	3236.5	3243.3	3229.8	3236.5	3253.5	3260.3	3267.0
32.5°	2542.5	2870.9	3080.8	3111.2	3151.9	3131.6	3128.2	3138.4	3165.5	3165.5	3172.2
35°	2298.8	2718.6	2989.4	3016.5	3046.9	3023.3	3036.8	3040.2	3057.1	3067.3	3063.9
37.5°	2031.3	2586.6	2894.6	2915.0	2938.6	2908.1	2928.5	2938.6	2952.2	2945.4	2945.4
40°	1794.4	2380.0	2782.9	2796.4	2816.7	2793.1	2813.3	2820.2	2826.9	2820.2	2816.7
42.5°	1618.3	2153.2	2664.4	2681.4	2667.8	2684.7	2691.4	2705.0	2694.9	2681.4	2681.4
45°	1482.9	2092.3	2535.7	2556.1	2535.7	2562.8	2573.0	2573.0	2542.5	2535.7	2532.4
47.5°	1438.9	1970.4	2407.1	2407.1	2396.9	2430.8	2447.8	2424.0	2393.5	2383.4	2383.4
50°	1435.4	1834.9	2231.1	2217.5	2264.9	2305.5	2288.6	2264.9	2241.2	2204.0	2204.0
52.5°	1303.4	1669.1	2004.2	2055.0	2129.5	2153.2	2126.1	2102.4	2061.8	2044.9	2031.3
55°	1208.6	1496.4	1797.7	1899.2	1977.1	2007.6	1956.8	1933.1	1872.2	1862.0	1855.3
57.5°	1188.3	1245.8	1608.2	1736.8	1831.6	1828.2	1797.7	1753.7	1702.9	1692.8	1689.4
60°	1090.1	900.5	1405.0	1557.3	1655.6	1645.4	1618.3	1577.7	1530.3	1523.5	1516.7
62.5°	988.6	653.4	1174.8	1347.5	1486.3	1482.9	1459.2	1398.2	1364.4	1347.5	1333.9
65°	839.6	548.4	836.2	1120.6	1320.3	1327.1	1276.3	1232.3	1195.1	1174.8	1171.4
67.5°	639.8	446.9	565.3	934.4	1161.3	1154.4	1090.1	1069.8	1022.4	1012.2	992.0
70°	474.0	297.9	392.7	758.4	1005.5	988.6	937.7	914.1	870.1	846.4	832.9
72.5°	392.7	240.4	287.8	589.1	846.4	826.0	782.0	755.0	717.7	697.4	683.9
75°	318.2	253.9	220.0	436.7	687.2	673.7	633.1	606.0	575.5	548.4	551.9
77.5°	233.6	237.0	176.0	321.7	545.1	524.8	501.0	467.2	453.6	426.6	426.6
80°	176.0	186.2	132.0	220.0	392.7	392.7	372.4	348.7	325.0	311.5	311.5
82.5°	118.5	118.5	98.1	138.8	267.4	257.3	243.8	237.0	223.4	216.7	216.7
85°	54.2	67.7	60.9	84.6	145.5	152.4	152.4	145.5	142.2	135.4	138.8
87.5°	16.9	30.5	37.2	47.4	74.5	77.9	81.2	81.2	81.2	84.6	84.6
90°	10.7	19.2	27.7	29.8	46.9	69.6	81.0	72.0	54.0	40.5	40.5
92.5°	42.6	115.1	187.6	205.7	289.2	400.5	456.2	399.8	287.1	202.5	194.5
95°	102.3	235.0	367.6	400.8	711.6	1126.1	1333.3	1189.8	902.7	687.4	663.0
97.5°	176.9	293.9	410.9	440.2	958.5	1649.6	1995.2	1904.4	1723.0	1587.0	1540.6
100°	234.5	340.5	446.6	473.2	1048.4	1815.3	2198.8	2205.4	2218.7	2228.6	2173.3
102.5°	283.5	382.5	481.5	506.2	1089.6	1867.5	2256.3	2371.9	2603.0	2776.4	2729.0
105°	366.7	450.5	534.3	555.3	1120.2	1873.4	2249.9	2509.1	3027.3	3415.9	3390.5
107.5°	451.9	530.1	608.2	627.8	1125.8	1789.9	2122.0	2483.5	3206.3	3748.4	3754.6
110°	509.5	580.0	650.6	668.3	1117.3	1716.0	2015.4	2419.5	3227.6	3833.7	3860.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	565.9	633.3	700.5	717.3	1117.7	1651.5	1918.5	2332.0	3159.1	3779.3	3820.1
115°	651.2	713.3	775.3	790.8	1128.0	1577.5	1802.3	2200.7	2997.4	3594.9	3651.4
117.5°	735.4	791.8	848.1	862.2	1149.0	1531.2	1722.3	2081.9	2800.9	3340.2	3402.8
120°	784.4	837.5	890.6	903.8	1166.1	1515.7	1690.4	2018.9	2675.9	3168.6	3229.5
122.5°	832.4	886.0	939.5	952.9	1190.6	1507.5	1665.9	1961.7	2553.3	2997.0	3057.1
125°	906.0	954.7	1003.5	1015.7	1223.5	1500.7	1639.2	1890.5	2393.1	2770.0	2825.3
127.5°	965.6	1014.9	1064.2	1076.5	1256.6	1496.8	1616.9	1832.6	2264.1	2587.8	2634.4
130°	997.6	1050.7	1103.7	1116.9	1280.8	1499.2	1608.3	1800.4	2184.6	2472.7	2515.8
132.5°	1030.7	1083.7	1136.8	1150.0	1300.2	1500.6	1600.8	1772.7	2116.7	2374.6	2413.3
135°	1079.7	1128.0	1176.3	1188.3	1321.6	1499.3	1588.1	1732.1	2020.0	2236.0	2269.3
137.5°	1129.8	1177.6	1225.4	1237.4	1353.5	1508.5	1585.9	1707.7	1951.2	2133.8	2161.0
140°	1171.4	1215.4	1259.4	1270.4	1373.1	1510.0	1578.4	1683.6	1893.9	2051.7	2077.2
142.5°	1203.3	1244.0	1284.8	1294.9	1389.4	1515.4	1578.4	1670.8	1855.6	1994.1	2016.0
145°	1252.3	1287.9	1323.4	1332.3	1410.8	1515.5	1567.8	1643.3	1794.4	1907.8	1924.4
147.5°	1301.3	1335.9	1370.5	1379.2	1442.0	1525.9	1567.8	1627.3	1746.2	1835.4	1849.1
150°	1333.3	1364.6	1395.8	1403.7	1458.4	1531.4	1567.8	1618.1	1718.4	1793.8	1804.9
152.5°	1366.3	1390.0	1413.8	1419.6	1469.0	1534.9	1567.8	1610.7	1696.4	1760.7	1769.1
155°	1415.4	1432.9	1450.5	1454.8	1492.5	1542.7	1567.8	1601.9	1670.1	1721.2	1726.8
157.5°	1451.6	1468.7	1485.8	1490.0	1516.0	1550.6	1567.8	1594.3	1647.4	1687.2	1691.1
160°	1476.1	1489.4	1502.7	1506.0	1526.6	1554.1	1567.8	1590.6	1636.0	1670.1	1672.3
162.5°	1500.6	1510.5	1520.5	1523.0	1537.9	1557.8	1567.8	1587.0	1625.3	1654.1	1656.2
165°	1527.3	1536.2	1545.3	1547.5	1554.3	1563.3	1567.8	1581.6	1609.0	1629.6	1631.8
167.5°	1551.8	1556.1	1560.3	1561.4	1567.1	1574.7	1578.4	1587.5	1605.5	1619.0	1619.9
170°	1567.8	1572.1	1576.4	1577.4	1577.7	1578.2	1578.4	1587.5	1605.5	1619.0	1619.0
172.5°	1576.3	1577.2	1578.2	1578.4	1578.4	1578.4	1578.4	1585.5	1599.8	1610.5	1609.6
175°	1588.1	1588.1	1588.1	1588.1	1584.8	1580.6	1578.4	1583.0	1591.9	1598.7	1598.7
177.5°	1588.1	1588.1	1588.1	1588.1	1585.6	1582.3	1580.6	1584.2	1591.2	1596.5	1595.6
180°	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5
2.5°	3669.9	3659.8	3669.9	3663.1	3666.5	3656.4	3625.9	3615.7	3625.9	3636.0	3636.0
5°	3713.9	3707.2	3713.9	3713.9	3710.5	3703.8	3669.9	3663.1	3669.9	3673.3	3666.5
7.5°	3727.4	3717.3	3727.4	3720.7	3720.7	3713.9	3680.1	3673.3	3676.7	3686.8	3676.7
10°	3727.4	3717.3	3727.4	3724.1	3720.7	3713.9	3680.1	3666.5	3666.5	3676.7	3666.5
12.5°	3710.5	3703.8	3710.5	3703.8	3703.8	3697.0	3663.1	3649.6	3652.9	3656.4	3642.9
15°	3683.4	3673.3	3683.4	3676.7	3680.1	3669.9	3632.7	3619.1	3619.1	3625.9	3602.2
17.5°	3642.9	3629.3	3642.9	3639.4	3636.0	3629.3	3595.5	3581.9	3578.5	3581.9	3565.0
20°	3595.5	3585.3	3595.5	3592.0	3592.0	3578.5	3544.6	3527.7	3527.7	3527.7	3510.8
22.5°	3521.0	3510.8	3521.0	3527.7	3527.7	3524.3	3493.8	3470.2	3463.4	3463.4	3443.1
25°	3436.3	3426.2	3436.3	3436.3	3432.9	3436.3	3426.2	3412.6	3402.4	3392.3	3372.0
27.5°	3355.0	3348.3	3355.0	3348.3	3355.0	3344.9	3341.5	3338.1	3324.6	3314.4	3287.4
30°	3273.8	3267.0	3273.8	3267.0	3260.3	3253.5	3236.5	3229.8	3243.3	3236.5	3192.6
32.5°	3172.2	3165.5	3172.2	3172.2	3165.5	3165.5	3138.4	3128.2	3131.6	3151.9	3111.2
35°	3067.3	3057.1	3067.3	3063.9	3067.3	3057.1	3040.2	3036.8	3023.3	3046.9	3016.5
37.5°	2945.4	2935.2	2945.4	2945.4	2945.4	2952.2	2938.6	2928.5	2908.1	2938.6	2915.0
40°	2820.2	2806.6	2820.2	2816.7	2820.2	2826.9	2820.2	2813.3	2793.1	2816.7	2796.4
42.5°	2677.9	2674.5	2677.9	2681.4	2681.4	2694.9	2705.0	2691.4	2684.7	2667.8	2681.4
45°	2525.6	2518.8	2525.6	2532.4	2535.7	2542.5	2573.0	2573.0	2562.8	2535.7	2556.1
47.5°	2363.1	2346.2	2363.1	2383.4	2383.4	2393.5	2424.0	2447.8	2430.8	2396.9	2407.1
50°	2190.4	2193.8	2190.4	2204.0	2204.0	2241.2	2264.9	2288.6	2305.5	2264.9	2217.5
52.5°	2021.1	2017.8	2021.1	2031.3	2044.9	2061.8	2102.4	2126.1	2153.2	2129.5	2055.0
55°	1851.8	1858.7	1851.8	1855.3	1862.0	1872.2	1933.1	1956.8	2007.6	1977.1	1899.2
57.5°	1682.6	1672.5	1682.6	1689.4	1692.8	1702.9	1753.7	1797.7	1828.2	1831.6	1736.8
60°	1486.3	1472.7	1486.3	1516.7	1523.5	1530.3	1577.7	1618.3	1645.4	1655.6	1557.3
62.5°	1313.6	1289.9	1313.6	1333.9	1347.5	1364.4	1398.2	1459.2	1482.9	1486.3	1347.5
65°	1130.8	1120.6	1130.8	1171.4	1174.8	1195.1	1232.3	1276.3	1327.1	1320.3	1120.6
67.5°	964.9	964.9	964.9	992.0	1012.2	1022.4	1069.8	1090.1	1154.4	1161.3	934.4
70°	812.5	809.1	812.5	832.9	846.4	870.1	914.1	937.7	988.6	1005.5	758.4
72.5°	667.0	663.6	667.0	683.9	697.4	717.7	755.0	782.0	826.0	846.4	589.1
75°	538.3	531.5	538.3	551.9	548.4	575.5	606.0	633.1	673.7	687.2	436.7
77.5°	413.1	413.1	413.1	426.6	426.6	453.6	467.2	501.0	524.8	545.1	321.7
80°	308.1	304.7	308.1	311.5	311.5	325.0	348.7	372.4	392.7	392.7	220.0
82.5°	216.7	209.9	216.7	216.7	216.7	223.4	237.0	243.8	257.3	267.4	138.8
85°	135.4	135.4	135.4	138.8	135.4	142.2	145.5	152.4	152.4	145.5	84.6
87.5°	88.1	84.6	88.1	84.6	84.6	81.2	81.2	81.2	77.9	74.5	47.4
90°	40.5	40.5	40.5	40.5	40.5	54.0	72.0	81.0	69.6	46.9	29.8
92.5°	162.2	130.0	162.2	194.5	202.5	287.1	399.8	456.2	400.5	289.2	205.7
95°	565.4	467.9	565.4	663.0	687.4	902.7	1189.8	1333.3	1126.1	711.6	400.8
97.5°	1354.9	1169.2	1354.9	1540.6	1587.0	1723.0	1904.4	1995.2	1649.6	958.5	440.2
100°	1952.1	1730.9	1952.1	2173.3	2228.6	2218.7	2205.4	2198.8	1815.3	1048.4	473.2
102.5°	2539.6	2350.1	2539.6	2729.0	2776.4	2603.0	2371.9	2256.3	1867.5	1089.6	506.2
105°	3288.6	3186.8	3288.6	3390.5	3415.9	3027.3	2509.1	2249.9	1873.4	1120.2	555.3
107.5°	3779.3	3803.9	3779.3	3754.6	3748.4	3206.3	2483.5	2122.0	1789.9	1125.8	627.8
110°	3966.3	4072.5	3966.3	3860.2	3833.7	3227.6	2419.5	2015.4	1716.0	1117.3	668.3



TEST NUMBER: P935225

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3983.1	4146.0	3983.1	3820.1	3779.3	3159.1	2332.0	1918.5	1651.5	1117.7	717.3
115°	3877.4	4103.3	3877.4	3651.4	3594.9	2997.4	2200.7	1802.3	1577.5	1128.0	790.8
117.5°	3653.4	3904.0	3653.4	3402.8	3340.2	2800.9	2081.9	1722.3	1531.2	1149.0	862.2
120°	3473.0	3716.5	3473.0	3229.5	3168.6	2675.9	2018.9	1690.4	1515.7	1166.1	903.8
122.5°	3297.2	3537.4	3297.2	3057.1	2997.0	2553.3	1961.7	1665.9	1507.5	1190.6	952.9
125°	3046.5	3267.7	3046.5	2825.3	2770.0	2393.1	1890.5	1639.2	1500.7	1223.5	1015.7
127.5°	2821.1	3007.7	2821.1	2634.4	2587.8	2264.1	1832.6	1616.9	1496.8	1256.6	1076.5
130°	2688.2	2860.6	2688.2	2515.8	2472.7	2184.6	1800.4	1608.3	1499.2	1280.8	1116.9
132.5°	2567.7	2722.1	2567.7	2413.3	2374.6	2116.7	1772.7	1600.8	1500.6	1300.2	1150.0
135°	2402.4	2535.6	2402.4	2269.3	2236.0	2020.0	1732.1	1588.1	1499.3	1321.6	1188.3
137.5°	2269.9	2378.9	2269.9	2161.0	2133.8	1951.2	1707.7	1585.9	1508.5	1353.5	1237.4
140°	2179.1	2280.9	2179.1	2077.2	2051.7	1893.9	1683.6	1578.4	1510.0	1373.1	1270.4
142.5°	2103.6	2191.3	2103.6	2016.0	1994.1	1855.6	1670.8	1578.4	1515.4	1389.4	1294.9
145°	1990.7	2057.0	1990.7	1924.4	1907.8	1794.4	1643.3	1567.8	1515.5	1410.8	1332.3
147.5°	1904.0	1958.9	1904.0	1849.1	1835.4	1746.2	1627.3	1567.8	1525.9	1442.0	1379.2
150°	1849.4	1893.9	1849.4	1804.9	1793.8	1718.4	1618.1	1567.8	1531.4	1458.4	1403.7
152.5°	1802.7	1836.4	1802.7	1769.1	1760.7	1696.4	1610.7	1567.8	1534.9	1469.0	1419.6
155°	1749.1	1771.4	1749.1	1726.8	1721.2	1670.1	1601.9	1567.8	1542.7	1492.5	1454.8
157.5°	1706.7	1722.3	1706.7	1691.1	1687.2	1647.4	1594.3	1567.8	1550.6	1516.0	1490.0
160°	1681.4	1690.4	1681.4	1672.3	1670.1	1636.0	1590.6	1567.8	1554.1	1526.6	1506.0
162.5°	1664.8	1673.3	1664.8	1656.2	1654.1	1625.3	1587.0	1567.8	1557.8	1537.9	1523.0
165°	1640.9	1649.8	1640.9	1631.8	1629.6	1609.0	1581.6	1567.8	1563.3	1554.3	1547.5
167.5°	1623.7	1627.5	1623.7	1619.9	1619.0	1605.5	1587.5	1578.4	1574.7	1567.1	1561.4
170°	1619.0	1619.0	1619.0	1619.0	1619.0	1605.5	1587.5	1578.4	1578.2	1577.7	1577.4
172.5°	1606.3	1602.9	1606.3	1609.6	1610.5	1599.8	1585.5	1578.4	1578.4	1578.4	1578.4
175°	1598.7	1598.7	1598.7	1598.7	1598.7	1591.9	1583.0	1578.4	1580.6	1584.8	1588.1
177.5°	1591.8	1588.1	1591.8	1595.6	1596.5	1591.2	1584.2	1580.6	1582.3	1585.6	1588.1
180°	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5
2.5°	3629.3	3608.9	3608.9	3575.1	3561.5	3551.4	3534.5	3483.7	3470.2	3456.6	3476.9
5°	3659.8	3622.5	3595.5	3534.5	3483.7	3463.4	3399.1	3277.2	3195.9	3135.0	3101.2
7.5°	3666.5	3619.1	3568.3	3473.6	3351.7	3297.5	3101.2	2877.7	2816.7	2762.6	2728.7
10°	3659.8	3605.6	3534.5	3392.3	3104.5	3009.7	2813.3	2667.8	2630.5	2620.4	2630.5
12.5°	3636.0	3585.3	3487.1	3250.1	2847.2	2782.9	2667.8	2583.1	2576.4	2593.3	2684.7
15°	3595.5	3548.0	3432.9	3060.5	2705.0	2657.6	2576.4	2545.9	2583.1	2701.6	2975.9
17.5°	3554.8	3500.6	3358.4	2874.3	2596.7	2562.8	2505.2	2566.2	2776.1	2935.2	3026.7
20°	3500.6	3436.3	3273.8	2738.8	2518.8	2488.3	2461.3	2735.5	2894.6	2952.2	3002.9
22.5°	3436.3	3368.6	3158.7	2644.1	2437.6	2413.9	2430.8	2830.3	2894.6	2935.2	2979.3
25°	3351.7	3294.1	3023.3	2569.6	2373.3	2346.2	2410.5	2820.2	2857.4	2867.6	2955.5
27.5°	3273.8	3199.3	2881.1	2501.9	2295.4	2285.2	2427.4	2776.1	2803.2	2813.3	2908.1
30°	3179.0	3067.3	2721.9	2430.8	2214.2	2210.7	2430.8	2721.9	2715.2	2742.3	2837.1
32.5°	3080.8	2870.9	2542.5	2342.8	2136.3	2132.8	2407.1	2640.7	2634.0	2671.2	2742.3
35°	2989.4	2718.6	2298.8	2241.2	2038.1	2041.5	2349.5	2545.9	2549.3	2583.1	2627.1
37.5°	2894.6	2586.6	2031.3	2129.5	1943.3	1943.3	2271.6	2457.9	2451.1	2461.3	2522.2
40°	2782.9	2380.0	1794.4	1983.9	1855.3	1845.1	2176.9	2363.1	2339.4	2336.0	2420.7
42.5°	2664.4	2153.2	1618.3	1790.9	1753.7	1740.1	2061.8	2248.0	2204.0	2214.2	2322.5
45°	2535.7	2092.3	1482.9	1513.3	1648.7	1638.6	1936.5	2115.9	2085.4	2112.6	2224.3
47.5°	2407.1	1970.4	1438.9	1256.0	1537.0	1533.7	1797.7	1987.3	1970.4	1997.5	2115.9
50°	2231.1	1834.9	1435.4	1076.6	1411.8	1425.3	1631.8	1862.0	1862.0	1885.7	2011.0
52.5°	2004.2	1669.1	1303.4	975.0	1266.2	1306.8	1486.3	1753.7	1760.4	1784.2	1895.9
55°	1797.7	1496.4	1208.6	897.2	1093.5	1181.5	1344.1	1642.0	1655.6	1679.2	1780.8
57.5°	1608.2	1245.8	1188.3	805.8	934.4	1019.1	1218.8	1533.7	1540.4	1560.7	1658.9
60°	1405.0	900.5	1090.1	707.6	795.6	859.9	1103.7	1405.0	1428.7	1442.2	1526.8
62.5°	1174.8	653.4	988.6	639.8	727.9	741.5	1008.9	1283.1	1313.6	1323.7	1374.5
65°	836.2	548.4	839.6	582.3	656.8	660.2	907.3	1157.9	1184.9	1201.8	1239.1
67.5°	565.3	446.9	639.8	528.1	602.6	606.0	809.1	1012.2	1049.5	1063.0	1086.8
70°	392.7	297.9	474.0	470.6	541.7	548.4	704.2	880.3	914.1	924.3	937.7
72.5°	287.8	240.4	392.7	423.2	477.4	484.1	595.8	731.3	765.1	775.3	782.0
75°	220.0	253.9	318.2	369.0	406.2	409.6	487.5	595.8	619.6	626.3	629.7
77.5°	176.0	237.0	233.6	297.9	331.7	325.0	382.6	460.5	480.7	480.7	480.7
80°	132.0	186.2	176.0	213.3	243.8	237.0	274.3	328.4	335.2	341.9	338.6
82.5°	98.1	118.5	118.5	135.4	162.5	155.7	182.8	213.3	213.3	213.3	220.0
85°	60.9	67.7	54.2	71.1	91.4	88.1	101.6	115.1	118.5	118.5	111.7
87.5°	37.2	30.5	16.9	27.1	40.7	40.7	47.4	50.8	47.4	47.4	47.4
90°	27.7	19.2	10.7	19.2	27.7	29.8	46.9	69.6	81.0	72.0	54.0
92.5°	187.6	115.1	42.6	115.1	187.6	205.7	289.2	400.5	456.2	399.8	287.1
95°	367.6	235.0	102.3	235.0	367.6	400.8	711.6	1126.1	1333.3	1189.8	902.7
97.5°	410.9	293.9	176.9	293.9	410.9	440.2	958.5	1649.6	1995.2	1904.4	1723.0
100°	446.6	340.5	234.5	340.5	446.6	473.2	1048.4	1815.3	2198.8	2205.4	2218.7
102.5°	481.5	382.5	283.5	382.5	481.5	506.2	1089.6	1867.5	2256.3	2371.9	2603.0
105°	534.3	450.5	366.7	450.5	534.3	555.3	1120.2	1873.4	2249.9	2509.1	3027.3
107.5°	608.2	530.1	451.9	530.1	608.2	627.8	1125.8	1789.9	2122.0	2483.5	3206.3
110°	650.6	580.0	509.5	580.0	650.6	668.3	1117.3	1716.0	2015.4	2419.5	3227.6



TEST NUMBER: P935225

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	700.5	633.3	565.9	633.3	700.5	717.3	1117.7	1651.5	1918.5	2332.0	3159.1
115°	775.3	713.3	651.2	713.3	775.3	790.8	1128.0	1577.5	1802.3	2200.7	2997.4
117.5°	848.1	791.8	735.4	791.8	848.1	862.2	1149.0	1531.2	1722.3	2081.9	2800.9
120°	890.6	837.5	784.4	837.5	890.6	903.8	1166.1	1515.7	1690.4	2018.9	2675.9
122.5°	939.5	886.0	832.4	886.0	939.5	952.9	1190.6	1507.5	1665.9	1961.7	2553.3
125°	1003.5	954.7	906.0	954.7	1003.5	1015.7	1223.5	1500.7	1639.2	1890.5	2393.1
127.5°	1064.2	1014.9	965.6	1014.9	1064.2	1076.5	1256.6	1496.8	1616.9	1832.6	2264.1
130°	1103.7	1050.7	997.6	1050.7	1103.7	1116.9	1280.8	1499.2	1608.3	1800.4	2184.6
132.5°	1136.8	1083.7	1030.7	1083.7	1136.8	1150.0	1300.2	1500.6	1600.8	1772.7	2116.7
135°	1176.3	1128.0	1079.7	1128.0	1176.3	1188.3	1321.6	1499.3	1588.1	1732.1	2020.0
137.5°	1225.4	1177.6	1129.8	1177.6	1225.4	1237.4	1353.5	1508.5	1585.9	1707.7	1951.2
140°	1259.4	1215.4	1171.4	1215.4	1259.4	1270.4	1373.1	1510.0	1578.4	1683.6	1893.9
142.5°	1284.8	1244.0	1203.3	1244.0	1284.8	1294.9	1389.4	1515.4	1578.4	1670.8	1855.6
145°	1323.4	1287.9	1252.3	1287.9	1323.4	1332.3	1410.8	1515.5	1567.8	1643.3	1794.4
147.5°	1370.5	1335.9	1301.3	1335.9	1370.5	1379.2	1442.0	1525.9	1567.8	1627.3	1746.2
150°	1395.8	1364.6	1333.3	1364.6	1395.8	1403.7	1458.4	1531.4	1567.8	1618.1	1718.4
152.5°	1413.8	1390.0	1366.3	1390.0	1413.8	1419.6	1469.0	1534.9	1567.8	1610.7	1696.4
155°	1450.5	1432.9	1415.4	1432.9	1450.5	1454.8	1492.5	1542.7	1567.8	1601.9	1670.1
157.5°	1485.8	1468.7	1451.6	1468.7	1485.8	1490.0	1516.0	1550.6	1567.8	1594.3	1647.4
160°	1502.7	1489.4	1476.1	1489.4	1502.7	1506.0	1526.6	1554.1	1567.8	1590.6	1636.0
162.5°	1520.5	1510.5	1500.6	1510.5	1520.5	1523.0	1537.9	1557.8	1567.8	1587.0	1625.3
165°	1545.3	1536.2	1527.3	1536.2	1545.3	1547.5	1554.3	1563.3	1567.8	1581.6	1609.0
167.5°	1560.3	1556.1	1551.8	1556.1	1560.3	1561.4	1567.1	1574.7	1578.4	1587.5	1605.5
170°	1576.4	1572.1	1567.8	1572.1	1576.4	1577.4	1577.7	1578.2	1578.4	1587.5	1605.5
172.5°	1578.2	1577.2	1576.3	1577.2	1578.2	1578.4	1578.4	1578.4	1578.4	1585.5	1599.8
175°	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1584.8	1580.6	1578.4	1583.0
177.5°	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1585.6	1582.3	1580.6	1584.2
180°	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1



TEST NUMBER: P935225
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5
2.5°	3453.2	3443.1	3456.6	3419.3	3456.6	3443.1	3453.2	3476.9	3456.6	3470.2	3483.7
5°	3030.0	3013.1	2959.0	2915.0	2959.0	3013.1	3030.0	3101.2	3135.0	3195.9	3277.2
7.5°	2708.4	2694.9	2681.4	2654.2	2681.4	2694.9	2708.4	2728.7	2762.6	2816.7	2877.7
10°	2637.3	2640.7	2661.0	2657.6	2661.0	2640.7	2637.3	2630.5	2620.4	2630.5	2667.8
12.5°	2820.2	2850.6	2962.3	2955.5	2962.3	2850.6	2820.2	2684.7	2593.3	2576.4	2583.1
15°	3030.0	3040.2	3063.9	3067.3	3063.9	3040.2	3030.0	2975.9	2701.6	2583.1	2545.9
17.5°	3050.3	3053.8	3070.7	3070.7	3070.7	3053.8	3050.3	3026.7	2935.2	2776.1	2566.2
20°	3033.4	3040.2	3074.0	3080.8	3074.0	3040.2	3033.4	3002.9	2952.2	2894.6	2735.5
22.5°	3026.7	3040.2	3067.3	3063.9	3067.3	3040.2	3026.7	2979.3	2935.2	2894.6	2830.3
25°	2992.8	2992.8	2996.2	2999.5	2996.2	2992.8	2992.8	2955.5	2867.6	2857.4	2820.2
27.5°	2921.7	2928.5	2948.8	2945.4	2948.8	2928.5	2921.7	2908.1	2813.3	2803.2	2776.1
30°	2857.4	2850.6	2833.7	2820.2	2833.7	2850.6	2857.4	2837.1	2742.3	2715.2	2721.9
32.5°	2749.0	2732.1	2715.2	2705.0	2715.2	2732.1	2749.0	2742.3	2671.2	2634.0	2640.7
35°	2620.4	2623.8	2620.4	2610.2	2620.4	2623.8	2620.4	2627.1	2583.1	2549.3	2545.9
37.5°	2529.0	2535.7	2532.4	2518.8	2532.4	2535.7	2529.0	2522.2	2461.3	2451.1	2457.9
40°	2434.2	2437.6	2434.2	2424.0	2434.2	2437.6	2434.2	2420.7	2336.0	2339.4	2363.1
42.5°	2342.8	2339.4	2329.2	2322.5	2329.2	2339.4	2342.8	2322.5	2214.2	2204.0	2248.0
45°	2237.8	2241.2	2220.9	2210.7	2220.9	2241.2	2237.8	2224.3	2112.6	2085.4	2115.9
47.5°	2132.8	2132.8	2115.9	2105.8	2115.9	2132.8	2132.8	2115.9	1997.5	1970.4	1987.3
50°	2021.1	2017.8	1994.0	1990.7	1994.0	2017.8	2021.1	2011.0	1885.7	1862.0	1862.0
52.5°	1892.5	1892.5	1895.9	1902.7	1895.9	1892.5	1892.5	1895.9	1784.2	1760.4	1753.7
55°	1780.8	1784.2	1807.8	1814.6	1807.8	1784.2	1780.8	1780.8	1679.2	1655.6	1642.0
57.5°	1665.6	1665.6	1682.6	1682.6	1682.6	1665.6	1665.6	1658.9	1560.7	1540.4	1533.7
60°	1533.7	1540.4	1553.9	1550.6	1553.9	1540.4	1533.7	1526.8	1442.2	1428.7	1405.0
62.5°	1394.8	1401.6	1405.0	1398.2	1405.0	1401.6	1394.8	1374.5	1323.7	1313.6	1283.1
65°	1249.2	1256.0	1259.4	1252.7	1259.4	1256.0	1249.2	1239.1	1201.8	1184.9	1157.9
67.5°	1100.3	1096.9	1093.5	1107.0	1093.5	1096.9	1100.3	1086.8	1063.0	1049.5	1012.2
70°	947.9	947.9	944.6	951.3	944.6	947.9	947.9	937.7	924.3	914.1	880.3
72.5°	785.5	782.0	795.6	785.5	795.6	782.0	785.5	782.0	775.3	765.1	731.3
75°	626.3	633.1	626.3	636.5	626.3	633.1	626.3	629.7	626.3	619.6	595.8
77.5°	477.4	484.1	477.4	477.4	477.4	484.1	477.4	480.7	480.7	480.7	460.5
80°	338.6	335.2	335.2	331.7	335.2	335.2	338.6	338.6	341.9	335.2	328.4
82.5°	216.7	213.3	213.3	220.0	213.3	213.3	216.7	220.0	213.3	213.3	213.3
85°	118.5	121.9	115.1	115.1	115.1	121.9	118.5	111.7	118.5	118.5	115.1
87.5°	44.0	40.7	40.7	40.7	40.7	40.7	44.0	47.4	47.4	47.4	50.8
90°	40.5	40.5	40.5	40.5	40.5	40.5	40.5	54.0	72.0	81.0	69.6
92.5°	202.5	194.5	162.2	130.0	162.2	194.5	202.5	287.1	399.8	456.2	400.5
95°	687.4	663.0	565.4	467.9	565.4	663.0	687.4	902.7	1189.8	1333.3	1126.1
97.5°	1587.0	1540.6	1354.9	1169.2	1354.9	1540.6	1587.0	1723.0	1904.4	1995.2	1649.6
100°	2228.6	2173.3	1952.1	1730.9	1952.1	2173.3	2228.6	2218.7	2205.4	2198.8	1815.3
102.5°	2776.4	2729.0	2539.6	2350.1	2539.6	2729.0	2776.4	2603.0	2371.9	2256.3	1867.5
105°	3415.9	3390.5	3288.6	3186.8	3288.6	3390.5	3415.9	3027.3	2509.1	2249.9	1873.4
107.5°	3748.4	3754.6	3779.3	3803.9	3779.3	3754.6	3748.4	3206.3	2483.5	2122.0	1789.9
110°	3833.7	3860.2	3966.3	4072.5	3966.3	3860.2	3833.7	3227.6	2419.5	2015.4	1716.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3779.3	3820.1	3983.1	4146.0	3983.1	3820.1	3779.3	3159.1	2332.0	1918.5	1651.5
115°	3594.9	3651.4	3877.4	4103.3	3877.4	3651.4	3594.9	2997.4	2200.7	1802.3	1577.5
117.5°	3340.2	3402.8	3653.4	3904.0	3653.4	3402.8	3340.2	2800.9	2081.9	1722.3	1531.2
120°	3168.6	3229.5	3473.0	3716.5	3473.0	3229.5	3168.6	2675.9	2018.9	1690.4	1515.7
122.5°	2997.0	3057.1	3297.2	3537.4	3297.2	3057.1	2997.0	2553.3	1961.7	1665.9	1507.5
125°	2770.0	2825.3	3046.5	3267.7	3046.5	2825.3	2770.0	2393.1	1890.5	1639.2	1500.7
127.5°	2587.8	2634.4	2821.1	3007.7	2821.1	2634.4	2587.8	2264.1	1832.6	1616.9	1496.8
130°	2472.7	2515.8	2688.2	2860.6	2688.2	2515.8	2472.7	2184.6	1800.4	1608.3	1499.2
132.5°	2374.6	2413.3	2567.7	2722.1	2567.7	2413.3	2374.6	2116.7	1772.7	1600.8	1500.6
135°	2236.0	2269.3	2402.4	2535.6	2402.4	2269.3	2236.0	2020.0	1732.1	1588.1	1499.3
137.5°	2133.8	2161.0	2269.9	2378.9	2269.9	2161.0	2133.8	1951.2	1707.7	1585.9	1508.5
140°	2051.7	2077.2	2179.1	2280.9	2179.1	2077.2	2051.7	1893.9	1683.6	1578.4	1510.0
142.5°	1994.1	2016.0	2103.6	2191.3	2103.6	2016.0	1994.1	1855.6	1670.8	1578.4	1515.4
145°	1907.8	1924.4	1990.7	2057.0	1990.7	1924.4	1907.8	1794.4	1643.3	1567.8	1515.5
147.5°	1835.4	1849.1	1904.0	1958.9	1904.0	1849.1	1835.4	1746.2	1627.3	1567.8	1525.9
150°	1793.8	1804.9	1849.4	1893.9	1849.4	1804.9	1793.8	1718.4	1618.1	1567.8	1531.4
152.5°	1760.7	1769.1	1802.7	1836.4	1802.7	1769.1	1760.7	1696.4	1610.7	1567.8	1534.9
155°	1721.2	1726.8	1749.1	1771.4	1749.1	1726.8	1721.2	1670.1	1601.9	1567.8	1542.7
157.5°	1687.2	1691.1	1706.7	1722.3	1706.7	1691.1	1687.2	1647.4	1594.3	1567.8	1550.6
160°	1670.1	1672.3	1681.4	1690.4	1681.4	1672.3	1670.1	1636.0	1590.6	1567.8	1554.1
162.5°	1654.1	1656.2	1664.8	1673.3	1664.8	1656.2	1654.1	1625.3	1587.0	1567.8	1557.8
165°	1629.6	1631.8	1640.9	1649.8	1640.9	1631.8	1629.6	1609.0	1581.6	1567.8	1563.3
167.5°	1619.0	1619.9	1623.7	1627.5	1623.7	1619.9	1619.0	1605.5	1587.5	1578.4	1574.7
170°	1619.0	1619.0	1619.0	1619.0	1619.0	1619.0	1619.0	1605.5	1587.5	1578.4	1578.2
172.5°	1610.5	1609.6	1606.3	1602.9	1606.3	1609.6	1610.5	1599.8	1585.5	1578.4	1578.4
175°	1598.7	1598.7	1598.7	1598.7	1598.7	1598.7	1598.7	1591.9	1583.0	1578.4	1580.6
177.5°	1596.5	1595.6	1591.8	1588.1	1591.8	1595.6	1596.5	1591.2	1584.2	1580.6	1582.3
180°	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1



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CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3578.5	3578.5	3578.5	3578.5	3578.5
2.5°	3534.5	3551.4	3561.5	3575.1	3608.9
5°	3399.1	3463.4	3483.7	3534.5	3595.5
7.5°	3101.2	3297.5	3351.7	3473.6	3568.3
10°	2813.3	3009.7	3104.5	3392.3	3534.5
12.5°	2667.8	2782.9	2847.2	3250.1	3487.1
15°	2576.4	2657.6	2705.0	3060.5	3432.9
17.5°	2505.2	2562.8	2596.7	2874.3	3358.4
20°	2461.3	2488.3	2518.8	2738.8	3273.8
22.5°	2430.8	2413.9	2437.6	2644.1	3158.7
25°	2410.5	2346.2	2373.3	2569.6	3023.3
27.5°	2427.4	2285.2	2295.4	2501.9	2881.1
30°	2430.8	2210.7	2214.2	2430.8	2721.9
32.5°	2407.1	2132.8	2136.3	2342.8	2542.5
35°	2349.5	2041.5	2038.1	2241.2	2298.8
37.5°	2271.6	1943.3	1943.3	2129.5	2031.3
40°	2176.9	1845.1	1855.3	1983.9	1794.4
42.5°	2061.8	1740.1	1753.7	1790.9	1618.3
45°	1936.5	1638.6	1648.7	1513.3	1482.9
47.5°	1797.7	1533.7	1537.0	1256.0	1438.9
50°	1631.8	1425.3	1411.8	1076.6	1435.4
52.5°	1486.3	1306.8	1266.2	975.0	1303.4
55°	1344.1	1181.5	1093.5	897.2	1208.6
57.5°	1218.8	1019.1	934.4	805.8	1188.3
60°	1103.7	859.9	795.6	707.6	1090.1
62.5°	1008.9	741.5	727.9	639.8	988.6
65°	907.3	660.2	656.8	582.3	839.6
67.5°	809.1	606.0	602.6	528.1	639.8
70°	704.2	548.4	541.7	470.6	474.0
72.5°	595.8	484.1	477.4	423.2	392.7
75°	487.5	409.6	406.2	369.0	318.2
77.5°	382.6	325.0	331.7	297.9	233.6
80°	274.3	237.0	243.8	213.3	176.0
82.5°	182.8	155.7	162.5	135.4	118.5
85°	101.6	88.1	91.4	71.1	54.2
87.5°	47.4	40.7	40.7	27.1	16.9
90°	46.9	29.8	27.7	19.2	10.7
92.5°	289.2	205.7	187.6	115.1	42.6
95°	711.6	400.8	367.6	235.0	102.3
97.5°	958.5	440.2	410.9	293.9	176.9
100°	1048.4	473.2	446.6	340.5	234.5
102.5°	1089.6	506.2	481.5	382.5	283.5
105°	1120.2	555.3	534.3	450.5	366.7
107.5°	1125.8	627.8	608.2	530.1	451.9
110°	1117.3	668.3	650.6	580.0	509.5



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CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1117.7	717.3	700.5	633.3	565.9
115°	1128.0	790.8	775.3	713.3	651.2
117.5°	1149.0	862.2	848.1	791.8	735.4
120°	1166.1	903.8	890.6	837.5	784.4
122.5°	1190.6	952.9	939.5	886.0	832.4
125°	1223.5	1015.7	1003.5	954.7	906.0
127.5°	1256.6	1076.5	1064.2	1014.9	965.6
130°	1280.8	1116.9	1103.7	1050.7	997.6
132.5°	1300.2	1150.0	1136.8	1083.7	1030.7
135°	1321.6	1188.3	1176.3	1128.0	1079.7
137.5°	1353.5	1237.4	1225.4	1177.6	1129.8
140°	1373.1	1270.4	1259.4	1215.4	1171.4
142.5°	1389.4	1294.9	1284.8	1244.0	1203.3
145°	1410.8	1332.3	1323.4	1287.9	1252.3
147.5°	1442.0	1379.2	1370.5	1335.9	1301.3
150°	1458.4	1403.7	1395.8	1364.6	1333.3
152.5°	1469.0	1419.6	1413.8	1390.0	1366.3
155°	1492.5	1454.8	1450.5	1432.9	1415.4
157.5°	1516.0	1490.0	1485.8	1468.7	1451.6
160°	1526.6	1506.0	1502.7	1489.4	1476.1
162.5°	1537.9	1523.0	1520.5	1510.5	1500.6
165°	1554.3	1547.5	1545.3	1536.2	1527.3
167.5°	1567.1	1561.4	1560.3	1556.1	1551.8
170°	1577.7	1577.4	1576.4	1572.1	1567.8
172.5°	1578.4	1578.4	1578.2	1577.2	1576.3
175°	1584.8	1588.1	1588.1	1588.1	1588.1
177.5°	1585.6	1588.1	1588.1	1588.1	1588.1
180°	1588.1	1588.1	1588.1	1588.1	1588.1



TEST NUMBER: P935225
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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	12.92	13.76	13.90	14.75	16.06	15.77	16.61	16.75	17.60	18.91
	3H	13.40	14.15	14.39	15.15	16.48	17.12	17.87	18.11	18.88	20.20
	4H	13.59	14.30	14.59	15.30	16.64	17.57	18.28	18.57	19.29	20.62
	6H	13.70	14.36	14.72	15.37	16.72	17.86	18.51	18.87	19.52	20.87
	8H	13.70	14.33	14.72	15.35	16.70	17.94	18.56	18.96	19.59	20.93
	12H	13.67	14.27	14.70	15.29	16.66	17.98	18.57	19.00	19.59	20.96
4H	2H	13.96	14.67	14.97	15.67	17.01	16.18	16.89	17.19	17.89	19.23
	3H	14.98	15.57	16.00	16.61	17.96	17.69	18.28	18.71	19.31	20.67
	4H	15.26	15.80	16.28	16.82	18.20	18.22	18.76	19.25	19.79	21.16
	6H	15.38	15.85	16.42	16.90	18.27	18.59	19.06	19.63	20.10	21.47
	8H	15.38	15.82	16.42	16.86	18.25	18.70	19.13	19.74	20.18	21.56
	12H	15.35	15.74	16.41	16.80	18.19	18.76	19.15	19.81	20.21	21.60
8H	4H	15.71	16.15	16.75	17.19	18.57	18.34	18.78	19.38	19.82	21.20
	6H	15.97	16.33	17.03	17.42	18.80	18.78	19.14	19.84	20.23	21.61
	8H	16.01	16.33	17.08	17.40	18.80	18.94	19.25	20.01	20.32	21.72
	12H	16.00	16.28	17.07	17.34	18.78	19.04	19.32	20.11	20.38	21.82
12H	4H	15.72	16.11	16.77	17.17	18.56	18.30	18.70	19.36	19.76	21.15
	6H	16.03	16.35	17.10	17.42	18.82	18.78	19.10	19.85	20.16	21.57
	8H	16.10	16.38	17.17	17.44	18.88	18.94	19.22	20.02	20.29	21.73