

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: P935280

Luminaire Tested: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935280
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-B2750-1D-UNV-STD-W-12-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

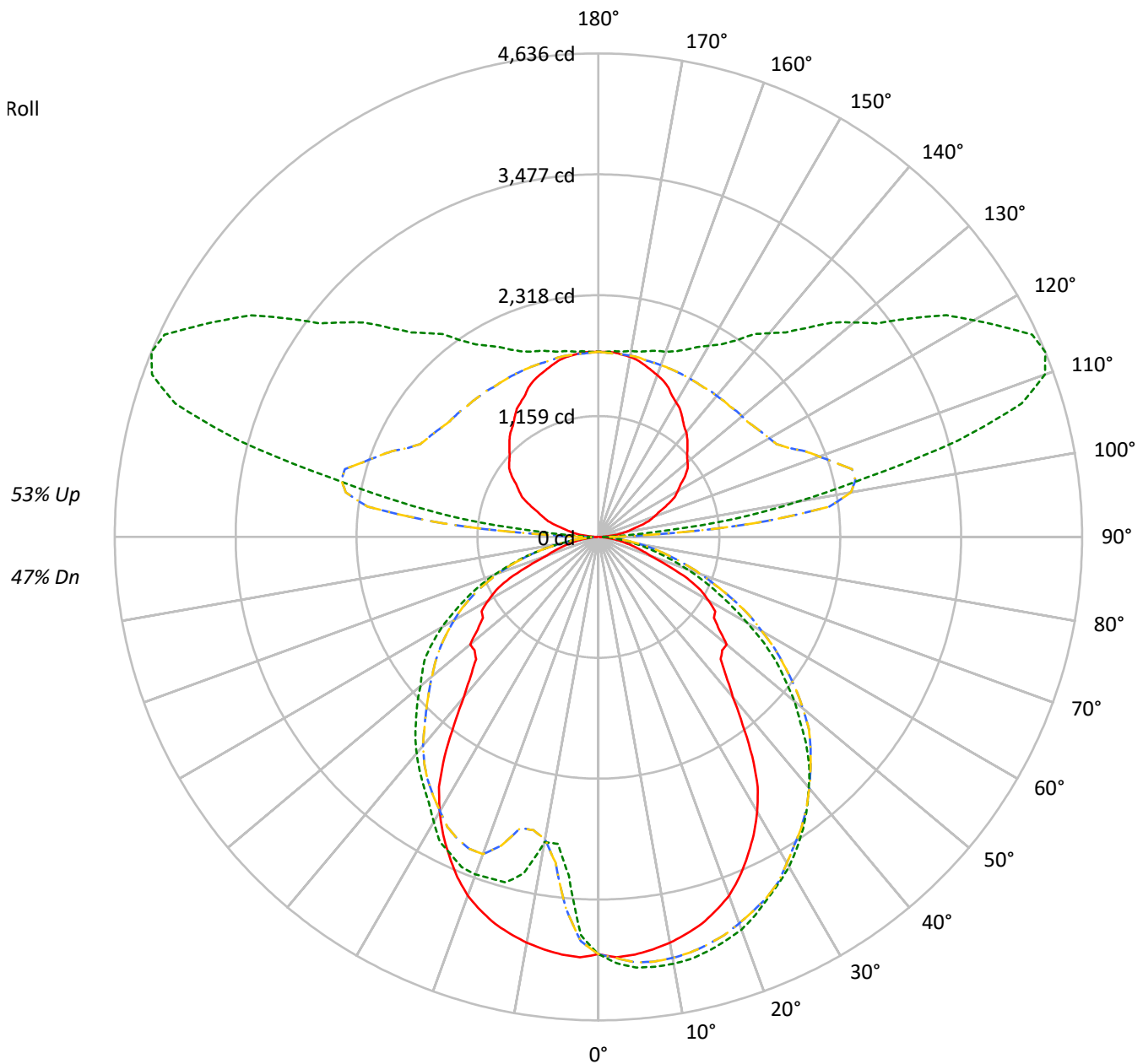
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21891.5 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 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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CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-12-4000K

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - · - 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10		0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	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°	12376	12376	12376	12376
5°	12473	12493	12473	9823
10°	12394	12306	12394	8798
15°	12264	12039	12264	10053
20°	12012	11724	12012	10074
25°	11492	11263	11492	9860
30°	10818	10880	10818	9392
35°	9649	10396	9649	8877
40°	8045	9827	8045	8488
45°	7193	9160	7193	8040
50°	7647	8365	7647	7591
55°	7201	7509	7201	7331
60°	7433	6377	7433	6715
65°	6750	5272	6750	5893
70°	4685	4201	4685	4940
75°	4124	3106	4124	3719
80°	3347	2053	3347	2235
85°	1960	1087	1960	924

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11016 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	361.2	1.6
10°-20°	1025.5	4.7
20°-30°	1585.2	7.2
30°-40°	1892.4	8.6
40°-50°	1903.5	8.7
50°-60°	1656.2	7.6
60°-70°	1174.3	5.4
70°-80°	621.3	2.8
80°-90°	161.5	0.7
90°-100°	865.5	4.0
100°-110°	2275.5	10.4
110°-120°	2359.4	10.8
120°-130°	1892.6	8.6
130°-140°	1485.0	6.8
140°-150°	1139.8	5.2
150°-160°	820.8	3.7
160°-170°	502.2	2.3
170°-180°	169.7	0.8
0°-30°	2971.8	13.6
0°-40°	4864.2	22.2
0°-60°	8423.9	38.5
0°-90°	10380.9	47.4
90°-120°	5500.5	25.1
90°-150°	10017.8	45.8
90°-180°	11511.0	52.6
0°-180°	21891.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4001	4001	4001	4001	4001	
5°	4020	4145	4020	3259	4020	381
15°	3838	4107	3838	3430	3838	1080
25°	3380	3831	3380	3354	3380	1552
35°	2570	3418	2570	2918	2570	1590
45°	1658	2816	1658	2472	1658	1328
55°	1351	2078	1351	2029	1351	1242
65°	939	1253	939	1401	939	897
75°	356	594	356	712	356	374
85°	60	151	60	129	60	82
90°	12	45	12	45	12	12
95°	114	523	114	523	114	127
105°	410	3563	410	3563	410	435
115°	728	4588	728	4588	728	719
125°	1013	3654	1013	3654	1013	899
135°	1207	2835	1207	2835	1207	934
145°	1400	2300	1400	2300	1400	877
155°	1582	1981	1582	1981	1582	727
165°	1708	1845	1708	1845	1708	482
175°	1776	1788	1776	1788	1776	169
180°	1776	1776	1776	1776	1776	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1
2.5°	4035.2	4035.2	4057.9	4065.4	4065.4	4054.1	4042.7	4054.1	4088.2	4099.5	4095.7
5°	4020.1	4050.3	4092.0	4099.5	4107.1	4103.3	4095.7	4103.3	4141.2	4148.7	4152.5
7.5°	3989.7	4046.5	4099.5	4110.9	4122.3	4110.9	4107.1	4114.7	4152.5	4160.1	4160.1
10°	3951.9	4031.4	4092.0	4099.5	4110.9	4099.5	4099.5	4114.7	4152.5	4160.1	4163.9
12.5°	3898.9	4008.7	4065.4	4073.1	4088.2	4084.3	4080.6	4095.7	4133.6	4141.2	4141.2
15°	3838.3	3967.1	4020.1	4027.6	4054.1	4046.5	4046.5	4061.7	4103.3	4114.7	4110.9
17.5°	3755.1	3914.1	3974.6	3986.0	4004.9	4001.1	4004.9	4020.1	4057.9	4065.4	4069.3
20°	3660.4	3842.2	3914.1	3925.4	3944.3	3944.3	3944.3	3963.2	4001.1	4016.3	4016.3
22.5°	3531.7	3766.4	3842.2	3849.7	3872.4	3872.4	3880.0	3906.4	3940.5	3944.3	3944.3
25°	3380.3	3683.1	3747.5	3770.2	3792.9	3804.2	3815.6	3830.8	3842.2	3838.3	3842.2
27.5°	3221.3	3577.1	3660.4	3675.6	3705.9	3717.2	3732.3	3736.2	3739.9	3751.2	3743.7
30°	3043.4	3429.5	3554.4	3569.6	3618.8	3626.3	3611.2	3618.8	3637.7	3645.3	3652.9
32.5°	2842.7	3209.9	3444.7	3478.7	3524.1	3501.4	3497.7	3509.1	3539.3	3539.3	3546.9
35°	2570.3	3039.7	3342.5	3372.8	3406.8	3380.3	3395.4	3399.2	3418.1	3429.5	3425.8
37.5°	2271.2	2892.0	3236.5	3259.2	3285.7	3251.6	3274.3	3285.7	3300.9	3293.2	3293.2
40°	2006.3	2661.1	3111.6	3126.7	3149.4	3122.9	3145.6	3153.2	3160.8	3153.2	3149.4
42.5°	1809.4	2407.5	2979.0	2998.0	2982.8	3001.8	3009.3	3024.5	3013.1	2998.0	2998.0
45°	1658.0	2339.4	2835.2	2857.9	2835.2	2865.5	2876.8	2876.8	2842.7	2835.2	2831.5
47.5°	1608.8	2203.1	2691.4	2691.4	2680.0	2717.8	2736.8	2710.3	2676.2	2664.9	2664.9
50°	1605.0	2051.6	2494.6	2479.4	2532.4	2577.8	2558.9	2532.4	2505.9	2464.3	2464.3
52.5°	1457.3	1866.2	2240.9	2297.7	2381.0	2407.5	2377.2	2350.7	2305.3	2286.4	2271.2
55°	1351.3	1673.2	2010.0	2123.5	2210.6	2244.7	2187.9	2161.5	2093.3	2081.9	2074.4
57.5°	1328.7	1393.0	1798.1	1941.9	2047.9	2044.1	2010.0	1960.8	1904.0	1892.7	1888.9
60°	1218.9	1006.9	1570.9	1741.3	1851.1	1839.7	1809.4	1764.0	1711.0	1703.4	1695.8
62.5°	1105.3	730.6	1313.5	1506.6	1661.8	1658.0	1631.5	1563.3	1525.5	1506.6	1491.4
65°	938.8	613.2	934.9	1253.0	1476.2	1483.9	1427.1	1377.9	1336.2	1313.5	1309.7
67.5°	715.4	499.7	632.1	1044.8	1298.4	1290.8	1218.9	1196.1	1143.1	1131.8	1109.1
70°	529.9	333.1	439.1	847.9	1124.2	1105.3	1048.5	1022.0	972.9	946.3	931.2
72.5°	439.1	268.7	321.7	658.7	946.3	923.6	874.4	844.1	802.5	779.8	764.7
75°	355.8	283.9	246.0	488.3	768.4	753.3	707.8	677.6	643.5	613.2	617.0
77.5°	261.2	265.0	196.8	359.7	609.5	586.8	560.2	522.4	507.2	476.9	476.9
80°	196.8	208.2	147.6	246.0	439.1	439.1	416.4	389.9	363.4	348.3	348.3
82.5°	132.5	132.5	109.7	155.2	299.0	287.6	272.6	265.0	249.8	242.3	242.3
85°	60.5	75.7	68.1	94.6	162.7	170.4	170.4	162.7	159.0	151.4	155.2
87.5°	18.9	34.1	41.6	53.0	83.3	87.1	90.8	90.8	90.8	94.6	94.6
90°	11.9	21.5	30.9	33.3	52.4	77.8	90.5	80.5	60.4	45.3	45.3
92.5°	47.7	128.6	209.7	230.0	323.4	447.8	510.1	447.0	321.0	226.4	217.5
95°	114.4	262.7	411.0	448.1	795.6	1259.1	1490.8	1330.3	1009.3	768.6	741.3
97.5°	197.8	328.6	459.5	492.2	1071.7	1844.4	2230.8	2129.4	1926.5	1774.4	1722.5
100°	262.1	380.8	499.4	529.1	1172.2	2029.7	2458.5	2465.9	2480.7	2491.8	2430.0
102.5°	317.0	427.6	538.3	566.0	1218.3	2088.0	2522.8	2652.0	2910.5	3104.3	3051.3
105°	410.0	503.7	597.4	620.8	1252.5	2094.6	2515.7	2805.4	3384.8	3819.3	3790.9
107.5°	505.3	592.7	680.1	701.9	1258.8	2001.3	2372.6	2776.8	3585.0	4191.1	4198.0
110°	569.7	648.5	727.4	747.2	1249.2	1918.7	2253.4	2705.2	3608.8	4286.4	4316.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	632.8	708.0	783.2	802.0	1249.7	1846.6	2145.0	2607.4	3532.2	4225.7	4271.2
115°	728.1	797.5	866.9	884.2	1261.2	1763.8	2015.1	2460.6	3351.4	4019.5	4082.6
117.5°	822.3	885.3	948.3	964.1	1284.7	1712.0	1925.8	2327.7	3131.7	3734.7	3804.7
120°	877.1	936.4	995.8	1010.6	1303.8	1694.6	1890.0	2257.3	2991.9	3542.9	3611.0
122.5°	930.7	990.6	1050.4	1065.4	1331.2	1685.5	1862.6	2193.3	2854.9	3351.0	3418.1
125°	1013.0	1067.5	1122.0	1135.7	1368.0	1677.9	1832.8	2113.8	2675.7	3097.2	3158.9
127.5°	1079.6	1134.7	1189.8	1203.6	1405.0	1673.5	1807.8	2049.0	2531.5	2893.4	2945.5
130°	1115.4	1174.7	1234.1	1248.9	1432.0	1676.2	1798.3	2013.0	2442.6	2764.7	2813.0
132.5°	1152.4	1211.7	1271.0	1285.8	1453.8	1677.8	1789.9	1982.1	2366.7	2655.1	2698.3
135°	1207.2	1261.2	1315.2	1328.7	1477.7	1676.3	1775.6	1936.6	2258.6	2500.1	2537.3
137.5°	1263.2	1316.7	1370.1	1383.5	1513.4	1686.6	1773.2	1909.3	2181.6	2385.8	2416.2
140°	1309.7	1359.0	1408.1	1420.5	1535.3	1688.3	1764.8	1882.4	2117.6	2294.0	2322.5
142.5°	1345.4	1391.0	1436.5	1447.9	1553.5	1694.4	1764.8	1868.2	2074.7	2229.6	2254.1
145°	1400.2	1439.9	1479.7	1489.6	1577.4	1694.5	1753.0	1837.4	2006.4	2133.1	2151.6
147.5°	1455.0	1493.7	1532.4	1542.0	1612.3	1706.1	1753.0	1819.5	1952.4	2052.1	2067.5
150°	1490.8	1525.7	1560.7	1569.4	1630.7	1712.2	1753.0	1809.2	1921.4	2005.6	2018.0
152.5°	1527.7	1554.2	1580.7	1587.3	1642.5	1716.1	1753.0	1800.9	1896.7	1968.6	1978.0
155°	1582.5	1602.1	1621.8	1626.7	1668.8	1724.9	1753.0	1791.1	1867.3	1924.5	1930.7
157.5°	1623.0	1642.1	1661.2	1666.0	1695.0	1733.7	1753.0	1782.6	1841.9	1886.4	1890.8
160°	1650.4	1665.3	1680.1	1683.9	1706.9	1737.6	1753.0	1778.4	1829.2	1867.3	1869.8
162.5°	1677.8	1688.9	1700.1	1702.9	1719.6	1741.8	1753.0	1774.4	1817.3	1849.5	1851.8
165°	1707.6	1717.7	1727.8	1730.3	1737.8	1747.9	1753.0	1768.4	1799.0	1822.0	1824.5
167.5°	1735.0	1739.8	1744.6	1745.8	1752.1	1760.6	1764.8	1775.0	1795.1	1810.2	1811.3
170°	1753.0	1757.8	1762.5	1763.7	1764.1	1764.6	1764.8	1775.0	1795.1	1810.2	1810.2
172.5°	1762.5	1763.5	1764.6	1764.8	1764.8	1764.8	1764.8	1772.8	1788.7	1800.7	1799.7
175°	1775.6	1775.6	1775.6	1775.6	1772.0	1767.2	1764.8	1769.9	1779.9	1787.5	1787.5
177.5°	1775.6	1775.6	1775.6	1775.6	1772.9	1769.1	1767.2	1771.2	1779.2	1785.1	1784.0
180°	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1
2.5°	4103.3	4092.0	4103.3	4095.7	4099.5	4088.2	4054.1	4042.7	4054.1	4065.4	4065.4
5°	4152.5	4145.0	4152.5	4152.5	4148.7	4141.2	4103.3	4095.7	4103.3	4107.1	4099.5
7.5°	4167.6	4156.4	4167.6	4160.1	4160.1	4152.5	4114.7	4107.1	4110.9	4122.3	4110.9
10°	4167.6	4156.4	4167.6	4163.9	4160.1	4152.5	4114.7	4099.5	4099.5	4110.9	4099.5
12.5°	4148.7	4141.2	4148.7	4141.2	4141.2	4133.6	4095.7	4080.6	4084.3	4088.2	4073.1
15°	4118.4	4107.1	4118.4	4110.9	4114.7	4103.3	4061.7	4046.5	4046.5	4054.1	4027.6
17.5°	4073.1	4057.9	4073.1	4069.3	4065.4	4057.9	4020.1	4004.9	4001.1	4004.9	3986.0
20°	4020.1	4008.7	4020.1	4016.3	4016.3	4001.1	3963.2	3944.3	3944.3	3944.3	3925.4
22.5°	3936.8	3925.4	3936.8	3944.3	3944.3	3940.5	3906.4	3880.0	3872.4	3872.4	3849.7
25°	3842.2	3830.8	3842.2	3842.2	3838.3	3842.2	3830.8	3815.6	3804.2	3792.9	3770.2
27.5°	3751.2	3743.7	3751.2	3743.7	3751.2	3739.9	3736.2	3732.3	3717.2	3705.9	3675.6
30°	3660.4	3652.9	3660.4	3652.9	3645.3	3637.7	3618.8	3611.2	3626.3	3618.8	3569.6
32.5°	3546.9	3539.3	3546.9	3546.9	3539.3	3539.3	3509.1	3497.7	3501.4	3524.1	3478.7
35°	3429.5	3418.1	3429.5	3425.8	3429.5	3418.1	3399.2	3395.4	3380.3	3406.8	3372.8
37.5°	3293.2	3281.9	3293.2	3293.2	3293.2	3300.9	3285.7	3274.3	3251.6	3285.7	3259.2
40°	3153.2	3138.0	3153.2	3149.4	3153.2	3160.8	3153.2	3145.6	3122.9	3149.4	3126.7
42.5°	2994.2	2990.4	2994.2	2998.0	2998.0	3013.1	3024.5	3009.3	3001.8	2982.8	2998.0
45°	2823.8	2816.3	2823.8	2831.5	2835.2	2842.7	2876.8	2876.8	2865.5	2835.2	2857.9
47.5°	2642.2	2623.3	2642.2	2664.9	2664.9	2676.2	2710.3	2736.8	2717.8	2680.0	2691.4
50°	2449.1	2452.9	2449.1	2464.3	2464.3	2505.9	2532.4	2558.9	2577.8	2532.4	2479.4
52.5°	2259.8	2256.1	2259.8	2271.2	2286.4	2305.3	2350.7	2377.2	2407.5	2381.0	2297.7
55°	2070.5	2078.2	2070.5	2074.4	2081.9	2093.3	2161.5	2187.9	2244.7	2210.6	2123.5
57.5°	1881.4	1870.0	1881.4	1888.9	1892.7	1904.0	1960.8	2010.0	2044.1	2047.9	1941.9
60°	1661.8	1646.6	1661.8	1695.8	1703.4	1711.0	1764.0	1809.4	1839.7	1851.1	1741.3
62.5°	1468.7	1442.2	1468.7	1491.4	1506.6	1525.5	1563.3	1631.5	1658.0	1661.8	1506.6
65°	1264.3	1253.0	1264.3	1309.7	1313.5	1336.2	1377.9	1427.1	1483.9	1476.2	1253.0
67.5°	1078.9	1078.9	1078.9	1109.1	1131.8	1143.1	1196.1	1218.9	1290.8	1298.4	1044.8
70°	908.5	904.7	908.5	931.2	946.3	972.9	1022.0	1048.5	1105.3	1124.2	847.9
72.5°	745.8	741.9	745.8	764.7	779.8	802.5	844.1	874.4	923.6	946.3	658.7
75°	601.8	594.3	601.8	617.0	613.2	643.5	677.6	707.8	753.3	768.4	488.3
77.5°	461.8	461.8	461.8	476.9	476.9	507.2	522.4	560.2	586.8	609.5	359.7
80°	344.5	340.6	344.5	348.3	348.3	363.4	389.9	416.4	439.1	439.1	246.0
82.5°	242.3	234.6	242.3	242.3	242.3	249.8	265.0	272.6	287.6	299.0	155.2
85°	151.4	151.4	151.4	155.2	151.4	159.0	162.7	170.4	170.4	162.7	94.6
87.5°	98.5	94.6	98.5	94.6	94.6	90.8	90.8	90.8	87.1	83.3	53.0
90°	45.3	45.3	45.3	45.3	45.3	60.4	80.5	90.5	77.8	52.4	33.3
92.5°	181.4	145.4	181.4	217.5	226.4	321.0	447.0	510.1	447.8	323.4	230.0
95°	632.2	523.1	632.2	741.3	768.6	1009.3	1330.3	1490.8	1259.1	795.6	448.1
97.5°	1514.9	1307.3	1514.9	1722.5	1774.4	1926.5	2129.4	2230.8	1844.4	1071.7	492.2
100°	2182.7	1935.3	2182.7	2430.0	2491.8	2480.7	2465.9	2458.5	2029.7	1172.2	529.1
102.5°	2839.5	2627.7	2839.5	3051.3	3104.3	2910.5	2652.0	2522.8	2088.0	1218.3	566.0
105°	3676.9	3563.1	3676.9	3790.9	3819.3	3384.8	2805.4	2515.7	2094.6	1252.5	620.8
107.5°	4225.6	4253.1	4225.6	4198.0	4191.1	3585.0	2776.8	2372.6	2001.3	1258.8	701.9
110°	4434.7	4553.4	4434.7	4316.1	4286.4	3608.8	2705.2	2253.4	1918.7	1249.2	747.2



TEST NUMBER: P935280

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4453.5	4635.7	4453.5	4271.2	4225.7	3532.2	2607.4	2145.0	1846.6	1249.7	802.0
115°	4335.3	4587.9	4335.3	4082.6	4019.5	3351.4	2460.6	2015.1	1763.8	1261.2	884.2
117.5°	4084.9	4365.1	4084.9	3804.7	3734.7	3131.7	2327.7	1925.8	1712.0	1284.7	964.1
120°	3883.1	4155.4	3883.1	3611.0	3542.9	2991.9	2257.3	1890.0	1694.6	1303.8	1010.6
122.5°	3686.6	3955.1	3686.6	3418.1	3351.0	2854.9	2193.3	1862.6	1685.5	1331.2	1065.4
125°	3406.3	3653.6	3406.3	3158.9	3097.2	2675.7	2113.8	1832.8	1677.9	1368.0	1135.7
127.5°	3154.3	3362.9	3154.3	2945.5	2893.4	2531.5	2049.0	1807.8	1673.5	1405.0	1203.6
130°	3005.7	3198.5	3005.7	2813.0	2764.7	2442.6	2013.0	1798.3	1676.2	1432.0	1248.9
132.5°	2870.9	3043.6	2870.9	2698.3	2655.1	2366.7	1982.1	1789.9	1677.8	1453.8	1285.8
135°	2686.1	2835.0	2686.1	2537.3	2500.1	2258.6	1936.6	1775.6	1676.3	1477.7	1328.7
137.5°	2538.0	2659.9	2538.0	2416.2	2385.8	2181.6	1909.3	1773.2	1686.6	1513.4	1383.5
140°	2436.4	2550.2	2436.4	2322.5	2294.0	2117.6	1882.4	1764.8	1688.3	1535.3	1420.5
142.5°	2352.1	2450.1	2352.1	2254.1	2229.6	2074.7	1868.2	1764.8	1694.4	1553.5	1447.9
145°	2225.8	2299.9	2225.8	2151.6	2133.1	2006.4	1837.4	1753.0	1694.5	1577.4	1489.6
147.5°	2128.9	2190.3	2128.9	2067.5	2052.1	1952.4	1819.5	1753.0	1706.1	1612.3	1542.0
150°	2067.9	2117.6	2067.9	2018.0	2005.6	1921.4	1809.2	1753.0	1712.2	1630.7	1569.4
152.5°	2015.6	2053.2	2015.6	1978.0	1968.6	1896.7	1800.9	1753.0	1716.1	1642.5	1587.3
155°	1955.6	1980.6	1955.6	1930.7	1924.5	1867.3	1791.1	1753.0	1724.9	1668.8	1626.7
157.5°	1908.3	1925.8	1908.3	1890.8	1886.4	1841.9	1782.6	1753.0	1733.7	1695.0	1666.0
160°	1879.9	1890.0	1879.9	1869.8	1867.3	1829.2	1778.4	1753.0	1737.6	1706.9	1683.9
162.5°	1861.4	1870.9	1861.4	1851.8	1849.5	1817.3	1774.4	1753.0	1741.8	1719.6	1702.9
165°	1834.7	1844.7	1834.7	1824.5	1822.0	1799.0	1768.4	1753.0	1747.9	1737.8	1730.3
167.5°	1815.5	1819.7	1815.5	1811.3	1810.2	1795.1	1775.0	1764.8	1760.6	1752.1	1745.8
170°	1810.2	1810.2	1810.2	1810.2	1810.2	1795.1	1775.0	1764.8	1764.6	1764.1	1763.7
172.5°	1796.0	1792.2	1796.0	1799.7	1800.7	1788.7	1772.8	1764.8	1764.8	1764.8	1764.8
175°	1787.5	1787.5	1787.5	1787.5	1787.5	1779.9	1769.9	1764.8	1767.2	1772.0	1775.6
177.5°	1779.8	1775.6	1779.8	1784.0	1785.1	1779.2	1771.2	1767.2	1769.1	1772.9	1775.6
180°	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6



TEST NUMBER: P935280
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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1
2.5°	4057.9	4035.2	4035.2	3997.3	3982.2	3970.8	3951.9	3895.2	3880.0	3864.8	3887.5
5°	4092.0	4050.3	4020.1	3951.9	3895.2	3872.4	3800.5	3664.2	3573.3	3505.2	3467.4
7.5°	4099.5	4046.5	3989.7	3883.8	3747.5	3687.0	3467.4	3217.6	3149.4	3088.9	3050.9
10°	4092.0	4031.4	3951.9	3792.9	3471.1	3365.1	3145.6	2982.8	2941.2	2929.8	2941.2
12.5°	4065.4	4008.7	3898.9	3634.0	3183.5	3111.6	2982.8	2888.2	2880.7	2899.6	3001.8
15°	4020.1	3967.1	3838.3	3422.0	3024.5	2971.5	2880.7	2846.6	2888.2	3020.7	3327.3
17.5°	3974.6	3914.1	3755.1	3213.8	2903.4	2865.5	2801.1	2869.3	3103.9	3281.9	3384.1
20°	3914.1	3842.2	3660.4	3062.3	2816.3	2782.2	2751.9	3058.6	3236.5	3300.9	3357.6
22.5°	3842.2	3766.4	3531.7	2956.4	2725.5	2698.9	2717.8	3164.6	3236.5	3281.9	3331.1
25°	3747.5	3683.1	3380.3	2873.1	2653.6	2623.3	2695.2	3153.2	3194.9	3206.2	3304.6
27.5°	3660.4	3577.1	3221.3	2797.4	2566.5	2555.1	2714.1	3103.9	3134.3	3145.6	3251.6
30°	3554.4	3429.5	3043.4	2717.8	2475.6	2471.8	2717.8	3043.4	3035.8	3066.1	3172.1
32.5°	3444.7	3209.9	2842.7	2619.5	2388.6	2384.7	2691.4	2952.6	2945.0	2986.7	3066.1
35°	3342.5	3039.7	2570.3	2505.9	2278.8	2282.5	2627.0	2846.6	2850.4	2888.2	2937.4
37.5°	3236.5	2892.0	2271.2	2381.0	2172.8	2172.8	2539.9	2748.2	2740.6	2751.9	2820.1
40°	3111.6	2661.1	2006.3	2218.2	2074.4	2063.0	2434.0	2642.2	2615.6	2611.9	2706.6
42.5°	2979.0	2407.5	1809.4	2002.4	1960.8	1945.6	2305.3	2513.5	2464.3	2475.6	2596.7
45°	2835.2	2339.4	1658.0	1692.1	1843.4	1832.1	2165.2	2365.8	2331.7	2362.1	2487.0
47.5°	2691.4	2203.1	1608.8	1404.3	1718.5	1714.8	2010.0	2222.0	2203.1	2233.4	2365.8
50°	2494.6	2051.6	1605.0	1203.8	1578.5	1593.6	1824.5	2081.9	2081.9	2108.4	2248.5
52.5°	2240.9	1866.2	1457.3	1090.1	1415.7	1461.1	1661.8	1960.8	1968.4	1994.9	2119.8
55°	2010.0	1673.2	1351.3	1003.1	1222.7	1321.1	1502.8	1835.9	1851.1	1877.5	1991.1
57.5°	1798.1	1393.0	1328.7	900.9	1044.8	1139.4	1362.7	1714.8	1722.3	1745.1	1854.8
60°	1570.9	1006.9	1218.9	791.1	889.6	961.5	1234.1	1570.9	1597.4	1612.5	1707.2
62.5°	1313.5	730.6	1105.3	715.4	813.9	829.0	1128.0	1434.6	1468.7	1480.1	1536.9
65°	934.9	613.2	938.8	651.1	734.4	738.1	1014.5	1294.6	1324.9	1343.8	1385.4
67.5°	632.1	499.7	715.4	590.5	673.8	677.6	904.7	1131.8	1173.4	1188.6	1215.1
70°	439.1	333.1	529.9	526.2	605.7	613.2	787.4	984.2	1022.0	1033.4	1048.5
72.5°	321.7	268.7	439.1	473.2	533.7	541.3	666.2	817.7	855.5	866.9	874.4
75°	246.0	283.9	355.8	412.6	454.2	458.0	545.1	666.2	692.8	700.3	704.0
77.5°	196.8	265.0	261.2	333.1	370.9	363.4	427.7	514.8	537.5	537.5	537.5
80°	147.6	208.2	196.8	238.5	272.6	265.0	306.7	367.2	374.7	382.3	378.6
82.5°	109.7	132.5	132.5	151.4	181.7	174.1	204.4	238.5	238.5	238.5	246.0
85°	68.1	75.7	60.5	79.5	102.2	98.5	113.5	128.7	132.5	132.5	124.9
87.5°	41.6	34.1	18.9	30.3	45.5	45.5	53.0	56.8	53.0	53.0	53.0
90°	30.9	21.5	11.9	21.5	30.9	33.3	52.4	77.8	90.5	80.5	60.4
92.5°	209.7	128.6	47.7	128.6	209.7	230.0	323.4	447.8	510.1	447.0	321.0
95°	411.0	262.7	114.4	262.7	411.0	448.1	795.6	1259.1	1490.8	1330.3	1009.3
97.5°	459.5	328.6	197.8	328.6	459.5	492.2	1071.7	1844.4	2230.8	2129.4	1926.5
100°	499.4	380.8	262.1	380.8	499.4	529.1	1172.2	2029.7	2458.5	2465.9	2480.7
102.5°	538.3	427.6	317.0	427.6	538.3	566.0	1218.3	2088.0	2522.8	2652.0	2910.5
105°	597.4	503.7	410.0	503.7	597.4	620.8	1252.5	2094.6	2515.7	2805.4	3384.8
107.5°	680.1	592.7	505.3	592.7	680.1	701.9	1258.8	2001.3	2372.6	2776.8	3585.0
110°	727.4	648.5	569.7	648.5	727.4	747.2	1249.2	1918.7	2253.4	2705.2	3608.8



TEST NUMBER: P935280

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	783.2	708.0	632.8	708.0	783.2	802.0	1249.7	1846.6	2145.0	2607.4	3532.2
115°	866.9	797.5	728.1	797.5	866.9	884.2	1261.2	1763.8	2015.1	2460.6	3351.4
117.5°	948.3	885.3	822.3	885.3	948.3	964.1	1284.7	1712.0	1925.8	2327.7	3131.7
120°	995.8	936.4	877.1	936.4	995.8	1010.6	1303.8	1694.6	1890.0	2257.3	2991.9
122.5°	1050.4	990.6	930.7	990.6	1050.4	1065.4	1331.2	1685.5	1862.6	2193.3	2854.9
125°	1122.0	1067.5	1013.0	1067.5	1122.0	1135.7	1368.0	1677.9	1832.8	2113.8	2675.7
127.5°	1189.8	1134.7	1079.6	1134.7	1189.8	1203.6	1405.0	1673.5	1807.8	2049.0	2531.5
130°	1234.1	1174.7	1115.4	1174.7	1234.1	1248.9	1432.0	1676.2	1798.3	2013.0	2442.6
132.5°	1271.0	1211.7	1152.4	1211.7	1271.0	1285.8	1453.8	1677.8	1789.9	1982.1	2366.7
135°	1315.2	1261.2	1207.2	1261.2	1315.2	1328.7	1477.7	1676.3	1775.6	1936.6	2258.6
137.5°	1370.1	1316.7	1263.2	1316.7	1370.1	1383.5	1513.4	1686.6	1773.2	1909.3	2181.6
140°	1408.1	1359.0	1309.7	1359.0	1408.1	1420.5	1535.3	1688.3	1764.8	1882.4	2117.6
142.5°	1436.5	1391.0	1345.4	1391.0	1436.5	1447.9	1553.5	1694.4	1764.8	1868.2	2074.7
145°	1479.7	1439.9	1400.2	1439.9	1479.7	1489.6	1577.4	1694.5	1753.0	1837.4	2006.4
147.5°	1532.4	1493.7	1455.0	1493.7	1532.4	1542.0	1612.3	1706.1	1753.0	1819.5	1952.4
150°	1560.7	1525.7	1490.8	1525.7	1560.7	1569.4	1630.7	1712.2	1753.0	1809.2	1921.4
152.5°	1580.7	1554.2	1527.7	1554.2	1580.7	1587.3	1642.5	1716.1	1753.0	1800.9	1896.7
155°	1621.8	1602.1	1582.5	1602.1	1621.8	1626.7	1668.8	1724.9	1753.0	1791.1	1867.3
157.5°	1661.2	1642.1	1623.0	1642.1	1661.2	1666.0	1695.0	1733.7	1753.0	1782.6	1841.9
160°	1680.1	1665.3	1650.4	1665.3	1680.1	1683.9	1706.9	1737.6	1753.0	1778.4	1829.2
162.5°	1700.1	1688.9	1677.8	1688.9	1700.1	1702.9	1719.6	1741.8	1753.0	1774.4	1817.3
165°	1727.8	1717.7	1707.6	1717.7	1727.8	1730.3	1737.8	1747.9	1753.0	1768.4	1799.0
167.5°	1744.6	1739.8	1735.0	1739.8	1744.6	1745.8	1752.1	1760.6	1764.8	1775.0	1795.1
170°	1762.5	1757.8	1753.0	1757.8	1762.5	1763.7	1764.1	1764.6	1764.8	1775.0	1795.1
172.5°	1764.6	1763.5	1762.5	1763.5	1764.6	1764.8	1764.8	1764.8	1764.8	1772.8	1788.7
175°	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1772.0	1767.2	1764.8	1769.9	1779.9
177.5°	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1772.9	1769.1	1767.2	1771.2	1779.2
180°	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6



TEST NUMBER: P935280
 CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1
2.5°	3861.1	3849.7	3864.8	3823.2	3864.8	3849.7	3861.1	3887.5	3864.8	3880.0	3895.2
5°	3387.9	3369.0	3308.4	3259.2	3308.4	3369.0	3387.9	3467.4	3505.2	3573.3	3664.2
7.5°	3028.3	3013.1	2998.0	2967.7	2998.0	3013.1	3028.3	3050.9	3088.9	3149.4	3217.6
10°	2948.8	2952.6	2975.3	2971.5	2975.3	2952.6	2948.8	2941.2	2929.8	2941.2	2982.8
12.5°	3153.2	3187.2	3312.1	3304.6	3312.1	3187.2	3153.2	3001.8	2899.6	2880.7	2888.2
15°	3387.9	3399.2	3425.8	3429.5	3425.8	3399.2	3387.9	3327.3	3020.7	2888.2	2846.6
17.5°	3410.6	3414.4	3433.3	3433.3	3433.3	3414.4	3410.6	3384.1	3281.9	3103.9	2869.3
20°	3391.7	3399.2	3437.0	3444.7	3437.0	3399.2	3391.7	3357.6	3300.9	3236.5	3058.6
22.5°	3384.1	3399.2	3429.5	3425.8	3429.5	3399.2	3384.1	3331.1	3281.9	3236.5	3164.6
25°	3346.2	3346.2	3350.0	3353.8	3350.0	3346.2	3346.2	3304.6	3206.2	3194.9	3153.2
27.5°	3266.8	3274.3	3297.0	3293.2	3297.0	3274.3	3266.8	3251.6	3145.6	3134.3	3103.9
30°	3194.9	3187.2	3168.3	3153.2	3168.3	3187.2	3194.9	3172.1	3066.1	3035.8	3043.4
32.5°	3073.7	3054.8	3035.8	3024.5	3035.8	3054.8	3073.7	3066.1	2986.7	2945.0	2952.6
35°	2929.8	2933.7	2929.8	2918.5	2929.8	2933.7	2929.8	2937.4	2888.2	2850.4	2846.6
37.5°	2827.7	2835.2	2831.5	2816.3	2831.5	2835.2	2827.7	2820.1	2751.9	2740.6	2748.2
40°	2721.7	2725.5	2721.7	2710.3	2721.7	2725.5	2721.7	2706.6	2611.9	2615.6	2642.2
42.5°	2619.5	2615.6	2604.3	2596.7	2604.3	2615.6	2619.5	2596.7	2475.6	2464.3	2513.5
45°	2502.1	2505.9	2483.2	2471.8	2483.2	2505.9	2502.1	2487.0	2362.1	2331.7	2365.8
47.5°	2384.7	2384.7	2365.8	2354.5	2365.8	2384.7	2384.7	2365.8	2233.4	2203.1	2222.0
50°	2259.8	2256.1	2229.5	2225.8	2229.5	2256.1	2259.8	2248.5	2108.4	2081.9	2081.9
52.5°	2116.0	2116.0	2119.8	2127.4	2119.8	2116.0	2116.0	2119.8	1994.9	1968.4	1960.8
55°	1991.1	1994.9	2021.4	2028.9	2021.4	1994.9	1991.1	1991.1	1877.5	1851.1	1835.9
57.5°	1862.3	1862.3	1881.4	1881.4	1881.4	1862.3	1862.3	1854.8	1745.1	1722.3	1714.8
60°	1714.8	1722.3	1737.4	1733.7	1737.4	1722.3	1714.8	1707.2	1612.5	1597.4	1570.9
62.5°	1559.5	1567.2	1570.9	1563.3	1570.9	1567.2	1559.5	1536.9	1480.1	1468.7	1434.6
65°	1396.8	1404.3	1408.1	1400.6	1408.1	1404.3	1396.8	1385.4	1343.8	1324.9	1294.6
67.5°	1230.2	1226.4	1222.7	1237.8	1222.7	1226.4	1230.2	1215.1	1188.6	1173.4	1131.8
70°	1059.9	1059.9	1056.1	1063.7	1056.1	1059.9	1059.9	1048.5	1033.4	1022.0	984.2
72.5°	878.2	874.4	889.6	878.2	889.6	874.4	878.2	874.4	866.9	855.5	817.7
75°	700.3	707.8	700.3	711.7	700.3	707.8	700.3	704.0	700.3	692.8	666.2
77.5°	533.7	541.3	533.7	533.7	533.7	541.3	533.7	537.5	537.5	537.5	514.8
80°	378.6	374.7	374.7	370.9	374.7	374.7	378.6	378.6	382.3	374.7	367.2
82.5°	242.3	238.5	238.5	246.0	238.5	238.5	242.3	246.0	238.5	238.5	238.5
85°	132.5	136.3	128.7	128.7	128.7	136.3	132.5	124.9	132.5	132.5	128.7
87.5°	49.2	45.5	45.5	45.5	45.5	45.5	49.2	53.0	53.0	53.0	56.8
90°	45.3	45.3	45.3	45.3	45.3	45.3	45.3	60.4	80.5	90.5	77.8
92.5°	226.4	217.5	181.4	145.4	181.4	217.5	226.4	321.0	447.0	510.1	447.8
95°	768.6	741.3	632.2	523.1	632.2	741.3	768.6	1009.3	1330.3	1490.8	1259.1
97.5°	1774.4	1722.5	1514.9	1307.3	1514.9	1722.5	1774.4	1926.5	2129.4	2230.8	1844.4
100°	2491.8	2430.0	2182.7	1935.3	2182.7	2430.0	2491.8	2480.7	2465.9	2458.5	2029.7
102.5°	3104.3	3051.3	2839.5	2627.7	2839.5	3051.3	3104.3	2910.5	2652.0	2522.8	2088.0
105°	3819.3	3790.9	3676.9	3563.1	3676.9	3790.9	3819.3	3384.8	2805.4	2515.7	2094.6
107.5°	4191.1	4198.0	4225.6	4253.1	4225.6	4198.0	4191.1	3585.0	2776.8	2372.6	2001.3
110°	4286.4	4316.1	4434.7	4553.4	4434.7	4316.1	4286.4	3608.8	2705.2	2253.4	1918.7



TEST NUMBER: P935280

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4225.7	4271.2	4453.5	4635.7	4453.5	4271.2	4225.7	3532.2	2607.4	2145.0	1846.6
115°	4019.5	4082.6	4335.3	4587.9	4335.3	4082.6	4019.5	3351.4	2460.6	2015.1	1763.8
117.5°	3734.7	3804.7	4084.9	4365.1	4084.9	3804.7	3734.7	3131.7	2327.7	1925.8	1712.0
120°	3542.9	3611.0	3883.1	4155.4	3883.1	3611.0	3542.9	2991.9	2257.3	1890.0	1694.6
122.5°	3351.0	3418.1	3686.6	3955.1	3686.6	3418.1	3351.0	2854.9	2193.3	1862.6	1685.5
125°	3097.2	3158.9	3406.3	3653.6	3406.3	3158.9	3097.2	2675.7	2113.8	1832.8	1677.9
127.5°	2893.4	2945.5	3154.3	3362.9	3154.3	2945.5	2893.4	2531.5	2049.0	1807.8	1673.5
130°	2764.7	2813.0	3005.7	3198.5	3005.7	2813.0	2764.7	2442.6	2013.0	1798.3	1676.2
132.5°	2655.1	2698.3	2870.9	3043.6	2870.9	2698.3	2655.1	2366.7	1982.1	1789.9	1677.8
135°	2500.1	2537.3	2686.1	2835.0	2686.1	2537.3	2500.1	2258.6	1936.6	1775.6	1676.3
137.5°	2385.8	2416.2	2538.0	2659.9	2538.0	2416.2	2385.8	2181.6	1909.3	1773.2	1686.6
140°	2294.0	2322.5	2436.4	2550.2	2436.4	2322.5	2294.0	2117.6	1882.4	1764.8	1688.3
142.5°	2229.6	2254.1	2352.1	2450.1	2352.1	2254.1	2229.6	2074.7	1868.2	1764.8	1694.4
145°	2133.1	2151.6	2225.8	2299.9	2225.8	2151.6	2133.1	2006.4	1837.4	1753.0	1694.5
147.5°	2052.1	2067.5	2128.9	2190.3	2128.9	2067.5	2052.1	1952.4	1819.5	1753.0	1706.1
150°	2005.6	2018.0	2067.9	2117.6	2067.9	2018.0	2005.6	1921.4	1809.2	1753.0	1712.2
152.5°	1968.6	1978.0	2015.6	2053.2	2015.6	1978.0	1968.6	1896.7	1800.9	1753.0	1716.1
155°	1924.5	1930.7	1955.6	1980.6	1955.6	1930.7	1924.5	1867.3	1791.1	1753.0	1724.9
157.5°	1886.4	1890.8	1908.3	1925.8	1908.3	1890.8	1886.4	1841.9	1782.6	1753.0	1733.7
160°	1867.3	1869.8	1879.9	1890.0	1879.9	1869.8	1867.3	1829.2	1778.4	1753.0	1737.6
162.5°	1849.5	1851.8	1861.4	1870.9	1861.4	1851.8	1849.5	1817.3	1774.4	1753.0	1741.8
165°	1822.0	1824.5	1834.7	1844.7	1834.7	1824.5	1822.0	1799.0	1768.4	1753.0	1747.9
167.5°	1810.2	1811.3	1815.5	1819.7	1815.5	1811.3	1810.2	1795.1	1775.0	1764.8	1760.6
170°	1810.2	1810.2	1810.2	1810.2	1810.2	1810.2	1810.2	1795.1	1775.0	1764.8	1764.6
172.5°	1800.7	1799.7	1796.0	1792.2	1796.0	1799.7	1800.7	1788.7	1772.8	1764.8	1764.8
175°	1787.5	1787.5	1787.5	1787.5	1787.5	1787.5	1787.5	1779.9	1769.9	1764.8	1767.2
177.5°	1785.1	1784.0	1779.8	1775.6	1779.8	1784.0	1785.1	1779.2	1771.2	1767.2	1769.1
180°	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6



TEST NUMBER: P935280

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4001.1	4001.1	4001.1	4001.1	4001.1
2.5°	3951.9	3970.8	3982.2	3997.3	4035.2
5°	3800.5	3872.4	3895.2	3951.9	4020.1
7.5°	3467.4	3687.0	3747.5	3883.8	3989.7
10°	3145.6	3365.1	3471.1	3792.9	3951.9
12.5°	2982.8	3111.6	3183.5	3634.0	3898.9
15°	2880.7	2971.5	3024.5	3422.0	3838.3
17.5°	2801.1	2865.5	2903.4	3213.8	3755.1
20°	2751.9	2782.2	2816.3	3062.3	3660.4
22.5°	2717.8	2698.9	2725.5	2956.4	3531.7
25°	2695.2	2623.3	2653.6	2873.1	3380.3
27.5°	2714.1	2555.1	2566.5	2797.4	3221.3
30°	2717.8	2471.8	2475.6	2717.8	3043.4
32.5°	2691.4	2384.7	2388.6	2619.5	2842.7
35°	2627.0	2282.5	2278.8	2505.9	2570.3
37.5°	2539.9	2172.8	2172.8	2381.0	2271.2
40°	2434.0	2063.0	2074.4	2218.2	2006.3
42.5°	2305.3	1945.6	1960.8	2002.4	1809.4
45°	2165.2	1832.1	1843.4	1692.1	1658.0
47.5°	2010.0	1714.8	1718.5	1404.3	1608.8
50°	1824.5	1593.6	1578.5	1203.8	1605.0
52.5°	1661.8	1461.1	1415.7	1090.1	1457.3
55°	1502.8	1321.1	1222.7	1003.1	1351.3
57.5°	1362.7	1139.4	1044.8	900.9	1328.7
60°	1234.1	961.5	889.6	791.1	1218.9
62.5°	1128.0	829.0	813.9	715.4	1105.3
65°	1014.5	738.1	734.4	651.1	938.8
67.5°	904.7	677.6	673.8	590.5	715.4
70°	787.4	613.2	605.7	526.2	529.9
72.5°	666.2	541.3	533.7	473.2	439.1
75°	545.1	458.0	454.2	412.6	355.8
77.5°	427.7	363.4	370.9	333.1	261.2
80°	306.7	265.0	272.6	238.5	196.8
82.5°	204.4	174.1	181.7	151.4	132.5
85°	113.5	98.5	102.2	79.5	60.5
87.5°	53.0	45.5	45.5	30.3	18.9
90°	52.4	33.3	30.9	21.5	11.9
92.5°	323.4	230.0	209.7	128.6	47.7
95°	795.6	448.1	411.0	262.7	114.4
97.5°	1071.7	492.2	459.5	328.6	197.8
100°	1172.2	529.1	499.4	380.8	262.1
102.5°	1218.3	566.0	538.3	427.6	317.0
105°	1252.5	620.8	597.4	503.7	410.0
107.5°	1258.8	701.9	680.1	592.7	505.3
110°	1249.2	747.2	727.4	648.5	569.7



TEST NUMBER: P935280

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1249.7	802.0	783.2	708.0	632.8
115°	1261.2	884.2	866.9	797.5	728.1
117.5°	1284.7	964.1	948.3	885.3	822.3
120°	1303.8	1010.6	995.8	936.4	877.1
122.5°	1331.2	1065.4	1050.4	990.6	930.7
125°	1368.0	1135.7	1122.0	1067.5	1013.0
127.5°	1405.0	1203.6	1189.8	1134.7	1079.6
130°	1432.0	1248.9	1234.1	1174.7	1115.4
132.5°	1453.8	1285.8	1271.0	1211.7	1152.4
135°	1477.7	1328.7	1315.2	1261.2	1207.2
137.5°	1513.4	1383.5	1370.1	1316.7	1263.2
140°	1535.3	1420.5	1408.1	1359.0	1309.7
142.5°	1553.5	1447.9	1436.5	1391.0	1345.4
145°	1577.4	1489.6	1479.7	1439.9	1400.2
147.5°	1612.3	1542.0	1532.4	1493.7	1455.0
150°	1630.7	1569.4	1560.7	1525.7	1490.8
152.5°	1642.5	1587.3	1580.7	1554.2	1527.7
155°	1668.8	1626.7	1621.8	1602.1	1582.5
157.5°	1695.0	1666.0	1661.2	1642.1	1623.0
160°	1706.9	1683.9	1680.1	1665.3	1650.4
162.5°	1719.6	1702.9	1700.1	1688.9	1677.8
165°	1737.8	1730.3	1727.8	1717.7	1707.6
167.5°	1752.1	1745.8	1744.6	1739.8	1735.0
170°	1764.1	1763.7	1762.5	1757.8	1753.0
172.5°	1764.8	1764.8	1764.6	1763.5	1762.5
175°	1772.0	1775.6	1775.6	1775.6	1775.6
177.5°	1772.9	1775.6	1775.6	1775.6	1775.6
180°	1775.6	1775.6	1775.6	1775.6	1775.6



TEST NUMBER: P935280
 CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-12-4000K

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	17.99	19.30
	3H	13.78	14.54	14.77	15.54	16.87	17.51	18.26	18.50	19.26	20.59
	4H	13.97	14.69	14.98	15.69	17.03	17.96	18.67	18.96	19.67	21.01
	6H	14.09	14.75	15.11	15.76	17.11	18.25	18.90	19.26	19.91	21.26
	8H	14.09	14.72	15.11	15.74	17.09	18.32	18.95	19.34	19.97	21.32
	12H	14.06	14.66	15.09	15.68	17.05	18.37	18.96	19.39	19.98	21.35
4H	2H	14.34	15.05	15.35	16.06	17.40	16.57	17.28	17.58	18.28	19.62
	3H	15.37	15.96	16.39	17.00	18.35	18.08	18.67	19.09	19.70	21.05
	4H	15.64	16.19	16.67	17.21	18.59	18.61	19.15	19.63	20.18	21.55
	6H	15.77	16.23	16.80	17.28	18.65	18.98	19.44	20.01	20.49	21.86
	8H	15.77	16.21	16.81	17.25	18.64	19.09	19.52	20.12	20.56	21.95
	12H	15.74	16.13	16.79	17.19	18.58	19.15	19.54	20.20	20.60	21.99
8H	4H	16.10	16.53	17.14	17.58	18.96	18.73	19.16	19.77	20.21	21.59
	6H	16.36	16.72	17.42	17.80	19.19	19.17	19.53	20.23	20.61	22.00
	8H	16.40	16.72	17.47	17.79	19.19	19.33	19.64	20.40	20.71	22.11
	12H	16.39	16.66	17.46	17.73	19.17	19.43	19.71	20.50	20.77	22.21
12H	4H	16.11	16.50	17.16	17.56	18.95	18.69	19.09	19.75	20.14	21.53
	6H	16.42	16.74	17.49	17.81	19.21	19.17	19.48	20.24	20.55	21.95
	8H	16.49	16.77	17.56	17.83	19.27	19.33	19.61	20.40	20.67	22.12