

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: P934856

Luminaire Tested: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-12-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934856
REPORT IS A COMBINATION OF REPORTS P933713 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-12-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

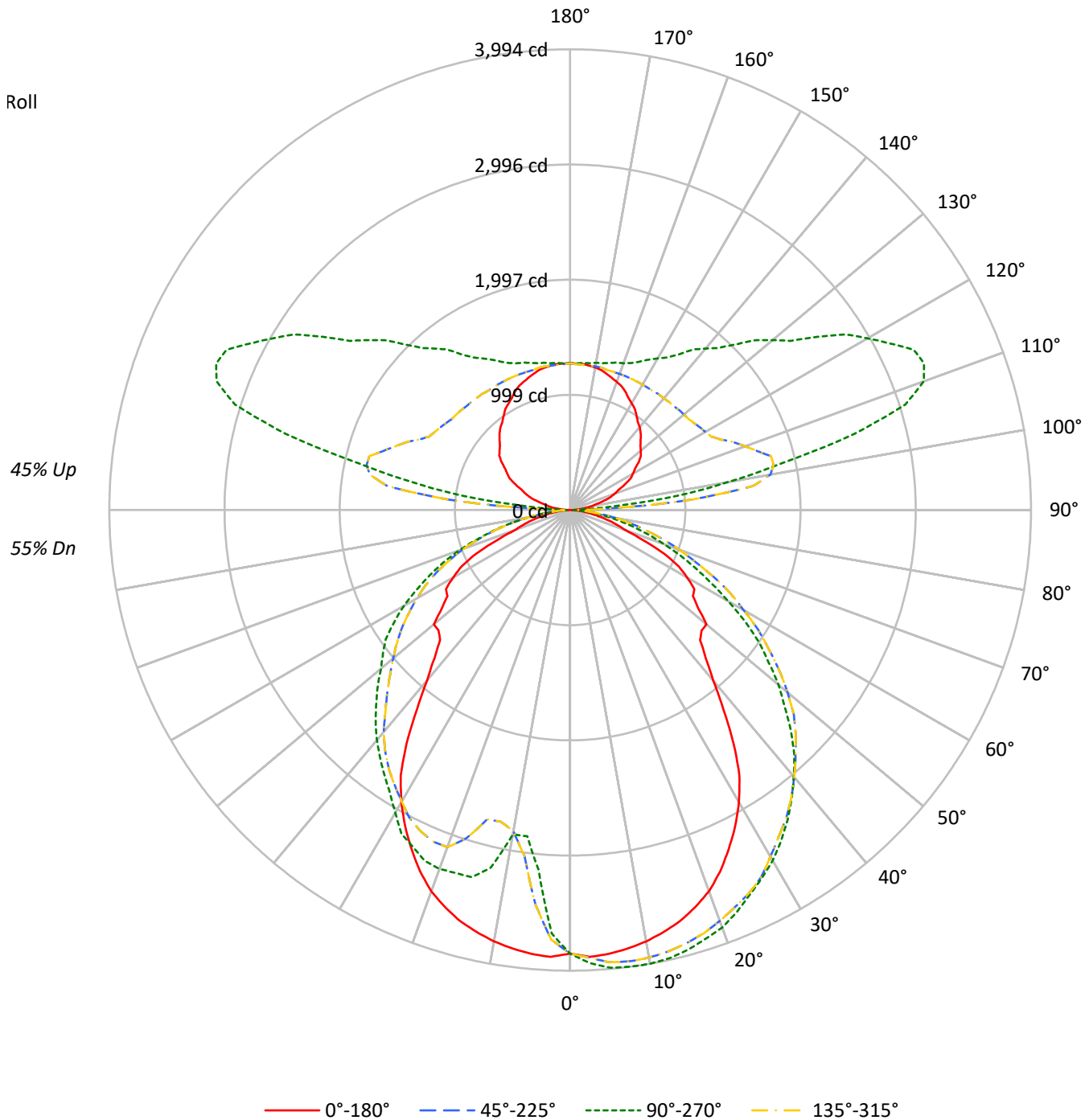
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18217.1 lumens
Efficiency: N/A
Efficacy: 118.6 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): 153.6
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





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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	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60	55
1	99	95	91	87	92	88	85	82	76	73	71	64	62	61	54	52	51	46
2	90	83	76	71	83	77	72	67	66	62	59	56	53	51	47	45	43	39
3	82	73	65	59	76	68	61	56	58	53	49	50	46	43	42	39	37	33
4	75	64	56	50	69	60	53	47	52	46	42	44	40	37	37	34	32	28
5	69	57	49	43	64	54	46	41	46	41	36	40	35	32	34	30	28	24
6	64	51	43	37	59	48	41	35	42	36	32	36	31	28	30	27	24	21
7	59	46	38	33	54	43	36	31	38	32	28	33	28	25	28	24	21	19
8	55	42	34	29	51	39	32	27	35	29	25	30	25	22	25	22	19	17
9	51	38	31	26	47	36	29	25	32	26	22	27	23	20	24	20	17	15
10	47	35	28	23	44	33	26	22	29	24	20	25	21	18	22	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11892	11892	11892	11892
5°	11985	12005	11985	9439
10°	11910	11825	11910	8454
15°	11785	11569	11785	9660
20°	11543	11266	11543	9681
25°	11043	10823	11043	9475
30°	10395	10455	10395	9025
35°	9272	9990	9272	8530
40°	7730	9443	7730	8156
45°	6911	8803	6911	7726
50°	7349	8039	7349	7295
55°	6920	7216	6920	7044
60°	7143	6128	7143	6452
65°	6486	5066	6486	5663
70°	4502	4037	4502	4747
75°	3963	2984	3963	3574
80°	3216	1973	3216	2148
85°	1886	1045	1886	888

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10586 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.1	1.9
10°-20°	985.4	5.4
20°-30°	1523.3	8.4
30°-40°	1818.4	10.0
40°-50°	1829.1	10.0
50°-60°	1591.5	8.7
60°-70°	1128.4	6.2
70°-80°	597.0	3.3
80°-90°	153.5	0.8
90°-100°	619.8	3.4
100°-110°	1629.6	8.9
110°-120°	1689.7	9.3
120°-130°	1355.4	7.4
130°-140°	1063.5	5.8
140°-150°	816.3	4.5
150°-160°	587.8	3.2
160°-170°	359.7	2.0
170°-180°	121.5	0.7
0°-30°	2855.7	15.7
0°-40°	4674.2	25.7
0°-60°	8094.8	44.4
0°-90°	9973.8	54.7
90°-120°	3939.2	21.6
90°-150°	7174.3	39.4
90°-180°	8243.0	45.2
0°-180°	18217.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3845	3845	3845	3845	3845	
5°	3863	3983	3863	3132	3863	366
15°	3688	3947	3688	3296	3688	1038
25°	3248	3681	3248	3223	3248	1491
35°	2470	3285	2470	2804	2470	1528
45°	1593	2706	1593	2375	1593	1276
55°	1298	1997	1298	1950	1298	1193
65°	902	1204	902	1346	902	862
75°	342	571	342	684	342	359
85°	58	146	58	124	58	79
90°	8	32	8	32	8	9
95°	82	375	82	375	82	91
105°	294	2552	294	2552	294	311
115°	521	3286	521	3286	521	515
125°	725	2617	725	2617	725	644
135°	865	2030	865	2030	865	669
145°	1003	1647	1003	1647	1003	628
155°	1133	1418	1133	1418	1133	521
165°	1223	1321	1223	1321	1223	345
175°	1272	1280	1272	1280	1272	121
180°	1272	1272	1272	1272	1272	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8
2.5°	3877.5	3877.5	3899.4	3906.6	3906.6	3895.7	3884.8	3895.7	3928.5	3939.4	3935.7
5°	3863.0	3892.1	3932.1	3939.4	3946.6	3943.1	3935.7	3943.1	3979.4	3986.7	3990.3
7.5°	3833.9	3888.5	3939.4	3950.3	3961.2	3950.3	3946.6	3954.0	3990.3	3997.6	3997.6
10°	3797.5	3874.0	3932.1	3939.4	3950.3	3939.4	3939.4	3954.0	3990.3	3997.6	4001.2
12.5°	3746.6	3852.1	3906.6	3914.0	3928.5	3924.8	3921.2	3935.7	3972.2	3979.4	3979.4
15°	3688.4	3812.1	3863.0	3870.3	3895.7	3888.5	3888.5	3903.0	3943.1	3954.0	3950.3
17.5°	3608.4	3761.2	3819.4	3830.3	3848.4	3844.8	3848.4	3863.0	3899.4	3906.6	3910.3
20°	3517.4	3692.1	3761.2	3772.1	3790.3	3790.3	3790.3	3808.4	3844.8	3859.4	3859.4
22.5°	3393.7	3619.3	3692.1	3699.3	3721.2	3721.2	3728.4	3753.8	3786.6	3790.3	3790.3
25°	3248.3	3539.3	3601.1	3623.0	3644.7	3655.6	3666.6	3681.1	3692.1	3688.4	3692.1
27.5°	3095.5	3437.4	3517.4	3532.0	3561.1	3572.0	3586.5	3590.2	3593.8	3604.7	3597.5
30°	2924.5	3295.5	3415.6	3430.2	3477.4	3484.7	3470.2	3477.4	3495.6	3502.9	3510.2
32.5°	2731.7	3084.6	3310.1	3342.8	3386.5	3364.6	3361.1	3372.0	3401.1	3401.1	3408.3
35°	2469.9	2920.9	3211.9	3241.0	3273.7	3248.3	3262.8	3266.4	3284.6	3295.5	3292.0
37.5°	2182.5	2779.1	3110.1	3131.9	3157.3	3124.6	3146.4	3157.3	3171.9	3164.6	3164.6
40°	1927.9	2557.2	2990.0	3004.5	3026.4	3001.0	3022.7	3030.0	3037.3	3030.0	3026.4
42.5°	1738.8	2313.4	2862.7	2880.9	2866.3	2884.5	2891.7	2906.3	2895.4	2880.9	2880.9
45°	1593.2	2248.0	2724.5	2746.3	2724.5	2753.5	2764.5	2764.5	2731.7	2724.5	2720.9
47.5°	1545.9	2117.0	2586.2	2586.2	2575.3	2611.7	2629.9	2604.4	2571.7	2560.8	2560.8
50°	1542.3	1971.5	2397.1	2382.5	2433.5	2477.1	2459.0	2433.5	2408.0	2368.0	2368.0
52.5°	1400.4	1793.3	2153.4	2208.0	2288.0	2313.4	2284.3	2258.9	2215.2	2197.1	2182.5
55°	1298.5	1607.8	1931.5	2040.6	2124.3	2157.0	2102.4	2077.0	2011.5	2000.6	1993.3
57.5°	1276.8	1338.5	1727.8	1866.0	1967.9	1964.2	1931.5	1884.2	1829.6	1818.8	1815.1
60°	1171.3	967.5	1509.5	1673.2	1778.8	1767.8	1738.8	1695.1	1644.1	1636.9	1629.6
62.5°	1062.1	702.0	1262.2	1447.8	1596.9	1593.2	1567.8	1502.3	1465.9	1447.8	1433.2
65°	902.1	589.3	898.4	1204.0	1418.6	1425.9	1371.3	1324.1	1284.0	1262.2	1258.5
67.5°	687.4	480.1	607.4	1004.0	1247.7	1240.4	1171.3	1149.4	1098.5	1087.6	1065.8
70°	509.2	320.1	422.0	814.8	1080.3	1062.1	1007.5	982.1	934.9	909.3	894.8
72.5°	422.0	258.2	309.2	632.9	909.3	887.5	840.2	811.2	771.1	749.3	734.8
75°	341.9	272.8	236.4	469.2	738.4	723.9	680.2	651.1	618.3	589.3	592.9
77.5°	251.0	254.7	189.1	345.6	585.7	563.8	538.3	502.0	487.4	458.3	458.3
80°	189.1	200.1	141.9	236.4	422.0	422.0	400.1	374.7	349.2	334.7	334.7
82.5°	127.3	127.3	105.4	149.1	287.3	276.4	261.9	254.7	240.1	232.8	232.8
85°	58.2	72.8	65.4	90.9	156.4	163.7	163.7	156.4	152.8	145.5	149.1
87.5°	18.2	32.8	40.0	50.9	80.0	83.7	87.3	87.3	87.3	90.9	90.9
90°	8.5	15.3	22.1	23.9	37.5	55.8	64.9	57.6	43.2	32.4	32.4
92.5°	34.1	92.1	150.2	164.7	231.5	320.6	365.2	320.1	229.9	162.2	155.7
95°	82.0	188.1	294.4	320.9	569.8	901.7	1067.6	952.8	722.9	550.4	530.9
97.5°	141.7	235.4	329.1	352.5	767.6	1320.9	1597.6	1524.9	1379.7	1270.7	1233.6
100°	187.8	272.7	357.7	378.9	839.5	1453.5	1760.6	1765.9	1776.6	1784.5	1740.2
102.5°	227.0	306.3	385.5	405.3	872.5	1495.3	1806.8	1899.3	2084.4	2223.2	2185.3
105°	293.6	360.7	427.8	444.6	897.0	1500.1	1801.6	2009.1	2424.1	2735.3	2714.9
107.5°	361.8	424.4	487.0	502.7	901.5	1433.3	1699.2	1988.6	2567.4	3001.5	3006.5
110°	407.9	464.4	521.0	535.1	894.7	1374.2	1613.9	1937.4	2584.5	3069.8	3091.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	453.2	507.0	560.9	574.4	895.0	1322.5	1536.2	1867.3	2529.6	3026.3	3058.9
115°	521.4	571.1	620.8	633.2	903.2	1263.2	1443.2	1762.2	2400.1	2878.6	2923.9
117.5°	588.9	634.0	679.1	690.4	920.0	1226.0	1379.1	1667.0	2242.8	2674.6	2724.8
120°	628.2	670.7	713.0	723.7	933.7	1213.6	1353.5	1616.5	2142.6	2537.2	2586.0
122.5°	666.5	709.4	752.2	763.0	953.3	1207.0	1333.9	1570.7	2044.5	2399.9	2448.0
125°	725.4	764.5	803.6	813.4	979.7	1201.6	1312.6	1513.8	1916.2	2218.1	2262.4
127.5°	773.2	812.7	852.2	862.0	1006.3	1198.5	1294.7	1467.5	1813.0	2072.2	2109.5
130°	798.9	841.3	883.7	894.4	1025.5	1200.3	1287.8	1441.6	1749.2	1979.9	2014.4
132.5°	825.3	867.8	910.2	920.8	1041.1	1201.6	1281.8	1419.5	1694.9	1901.5	1932.4
135°	864.6	903.2	941.9	951.6	1058.3	1200.5	1271.6	1386.9	1617.5	1790.5	1817.1
137.5°	904.7	942.9	981.3	990.8	1083.9	1207.9	1269.9	1367.4	1562.4	1708.6	1730.4
140°	937.9	973.1	1008.5	1017.3	1099.5	1209.2	1263.9	1348.2	1516.6	1642.9	1663.2
142.5°	963.5	996.2	1028.7	1036.9	1112.6	1213.5	1263.9	1337.9	1485.8	1596.8	1614.3
145°	1002.8	1031.2	1059.7	1066.8	1129.7	1213.5	1255.4	1315.9	1436.9	1527.7	1541.0
147.5°	1042.0	1069.8	1097.5	1104.4	1154.7	1221.8	1255.4	1303.0	1398.2	1469.6	1480.6
150°	1067.6	1092.7	1117.8	1124.0	1167.8	1226.2	1255.4	1295.6	1376.0	1436.3	1445.2
152.5°	1094.1	1113.1	1132.0	1136.7	1176.3	1229.1	1255.4	1289.7	1358.4	1409.9	1416.6
155°	1133.4	1147.4	1161.4	1164.9	1195.1	1235.3	1255.4	1282.8	1337.4	1378.3	1382.8
157.5°	1162.4	1176.0	1189.7	1193.1	1213.8	1241.5	1255.4	1276.6	1319.1	1350.9	1354.1
160°	1182.0	1192.6	1203.3	1205.9	1222.5	1244.4	1255.4	1273.6	1310.0	1337.4	1339.2
162.5°	1201.6	1209.6	1217.5	1219.5	1231.5	1247.4	1255.4	1270.7	1301.5	1324.5	1326.3
165°	1223.0	1230.2	1237.3	1239.2	1244.6	1251.8	1255.4	1266.4	1288.4	1304.9	1306.7
167.5°	1242.6	1246.0	1249.4	1250.3	1254.9	1260.9	1263.9	1271.1	1285.5	1296.3	1297.1
170°	1255.4	1258.8	1262.3	1263.1	1263.4	1263.8	1263.9	1271.1	1285.5	1296.3	1296.3
172.5°	1262.2	1262.9	1263.8	1263.9	1263.9	1263.9	1263.9	1269.6	1281.0	1289.5	1288.9
175°	1271.6	1271.6	1271.6	1271.6	1269.1	1265.7	1263.9	1267.5	1274.8	1280.2	1280.2
177.5°	1271.6	1271.6	1271.6	1271.6	1269.6	1267.0	1265.7	1268.5	1274.2	1278.4	1277.7
180°	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8
2.5°	3943.1	3932.1	3943.1	3935.7	3939.4	3928.5	3895.7	3884.8	3895.7	3906.6	3906.6
5°	3990.3	3983.1	3990.3	3990.3	3986.7	3979.4	3943.1	3935.7	3943.1	3946.6	3939.4
7.5°	4004.8	3994.0	4004.8	3997.6	3997.6	3990.3	3954.0	3946.6	3950.3	3961.2	3950.3
10°	4004.8	3994.0	4004.8	4001.2	3997.6	3990.3	3954.0	3939.4	3939.4	3950.3	3939.4
12.5°	3986.7	3979.4	3986.7	3979.4	3979.4	3972.2	3935.7	3921.2	3924.8	3928.5	3914.0
15°	3957.6	3946.6	3957.6	3950.3	3954.0	3943.1	3903.0	3888.5	3888.5	3895.7	3870.3
17.5°	3914.0	3899.4	3914.0	3910.3	3906.6	3899.4	3863.0	3848.4	3844.8	3848.4	3830.3
20°	3863.0	3852.1	3863.0	3859.4	3859.4	3844.8	3808.4	3790.3	3790.3	3790.3	3772.1
22.5°	3783.0	3772.1	3783.0	3790.3	3790.3	3786.6	3753.8	3728.4	3721.2	3721.2	3699.3
25°	3692.1	3681.1	3692.1	3692.1	3688.4	3692.1	3681.1	3666.6	3655.6	3644.7	3623.0
27.5°	3604.7	3597.5	3604.7	3597.5	3604.7	3593.8	3590.2	3586.5	3572.0	3561.1	3532.0
30°	3517.4	3510.2	3517.4	3510.2	3502.9	3495.6	3477.4	3470.2	3484.7	3477.4	3430.2
32.5°	3408.3	3401.1	3408.3	3408.3	3401.1	3401.1	3372.0	3361.1	3364.6	3386.5	3342.8
35°	3295.5	3284.6	3295.5	3292.0	3295.5	3284.6	3266.4	3262.8	3248.3	3273.7	3241.0
37.5°	3164.6	3153.7	3164.6	3164.6	3164.6	3171.9	3157.3	3146.4	3124.6	3157.3	3131.9
40°	3030.0	3015.5	3030.0	3026.4	3030.0	3037.3	3030.0	3022.7	3001.0	3026.4	3004.5
42.5°	2877.2	2873.6	2877.2	2880.9	2880.9	2895.4	2906.3	2891.7	2884.5	2866.3	2880.9
45°	2713.5	2706.3	2713.5	2720.9	2724.5	2731.7	2764.5	2764.5	2753.5	2724.5	2746.3
47.5°	2539.0	2520.8	2539.0	2560.8	2560.8	2571.7	2604.4	2629.9	2611.7	2575.3	2586.2
50°	2353.4	2357.1	2353.4	2368.0	2368.0	2408.0	2433.5	2459.0	2477.1	2433.5	2382.5
52.5°	2171.5	2168.0	2171.5	2182.5	2197.1	2215.2	2258.9	2284.3	2313.4	2288.0	2208.0
55°	1989.7	1997.0	1989.7	1993.3	2000.6	2011.5	2077.0	2102.4	2157.0	2124.3	2040.6
57.5°	1807.9	1796.9	1807.9	1815.1	1818.8	1829.6	1884.2	1931.5	1964.2	1967.9	1866.0
60°	1596.9	1582.3	1596.9	1629.6	1636.9	1644.1	1695.1	1738.8	1767.8	1778.8	1673.2
62.5°	1411.3	1385.9	1411.3	1433.2	1447.8	1465.9	1502.3	1567.8	1593.2	1596.9	1447.8
65°	1214.9	1204.0	1214.9	1258.5	1262.2	1284.0	1324.1	1371.3	1425.9	1418.6	1204.0
67.5°	1036.7	1036.7	1036.7	1065.8	1087.6	1098.5	1149.4	1171.3	1240.4	1247.7	1004.0
70°	873.0	869.3	873.0	894.8	909.3	934.9	982.1	1007.5	1062.1	1080.3	814.8
72.5°	716.6	713.0	716.6	734.8	749.3	771.1	811.2	840.2	887.5	909.3	632.9
75°	578.3	571.1	578.3	592.9	589.3	618.3	651.1	680.2	723.9	738.4	469.2
77.5°	443.8	443.8	443.8	458.3	458.3	487.4	502.0	538.3	563.8	585.7	345.6
80°	331.0	327.3	331.0	334.7	334.7	349.2	374.7	400.1	422.0	422.0	236.4
82.5°	232.8	225.5	232.8	232.8	232.8	240.1	254.7	261.9	276.4	287.3	149.1
85°	145.5	145.5	145.5	149.1	145.5	152.8	156.4	163.7	163.7	156.4	90.9
87.5°	94.6	90.9	94.6	90.9	90.9	87.3	87.3	87.3	83.7	80.0	50.9
90°	32.4	32.4	32.4	32.4	32.4	43.2	57.6	64.9	55.8	37.5	23.9
92.5°	129.9	104.2	129.9	155.7	162.2	229.9	320.1	365.2	320.6	231.5	164.7
95°	452.8	374.7	452.8	530.9	550.4	722.9	952.8	1067.6	901.7	569.8	320.9
97.5°	1084.9	936.2	1084.9	1233.6	1270.7	1379.7	1524.9	1597.6	1320.9	767.6	352.5
100°	1563.1	1386.0	1563.1	1740.2	1784.5	1776.6	1765.9	1760.6	1453.5	839.5	378.9
102.5°	2033.5	1881.8	2033.5	2185.3	2223.2	2084.4	1899.3	1806.8	1495.3	872.5	405.3
105°	2633.3	2551.7	2633.3	2714.9	2735.3	2424.1	2009.1	1801.6	1500.1	897.0	444.6
107.5°	3026.2	3045.9	3026.2	3006.5	3001.5	2567.4	1988.6	1699.2	1433.3	901.5	502.7
110°	3176.0	3260.9	3176.0	3091.0	3069.8	2584.5	1937.4	1613.9	1374.2	894.7	535.1



TEST NUMBER: P934856

CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3189.4	3319.9	3189.4	3058.9	3026.3	2529.6	1867.3	1536.2	1322.5	895.0	574.4
115°	3104.7	3285.7	3104.7	2923.9	2878.6	2400.1	1762.2	1443.2	1263.2	903.2	633.2
117.5°	2925.4	3126.1	2925.4	2724.8	2674.6	2242.8	1667.0	1379.1	1226.0	920.0	690.4
120°	2781.0	2975.9	2781.0	2586.0	2537.2	2142.6	1616.5	1353.5	1213.6	933.7	723.7
122.5°	2640.2	2832.6	2640.2	2448.0	2399.9	2044.5	1570.7	1333.9	1207.0	953.3	763.0
125°	2439.5	2616.6	2439.5	2262.4	2218.1	1916.2	1513.8	1312.6	1201.6	979.7	813.4
127.5°	2259.0	2408.4	2259.0	2109.5	2072.2	1813.0	1467.5	1294.7	1198.5	1006.3	862.0
130°	2152.5	2290.7	2152.5	2014.4	1979.9	1749.2	1441.6	1287.8	1200.3	1025.5	894.4
132.5°	2056.0	2179.7	2056.0	1932.4	1901.5	1694.9	1419.5	1281.8	1201.6	1041.1	920.8
135°	1923.8	2030.3	1923.8	1817.1	1790.5	1617.5	1386.9	1271.6	1200.5	1058.3	951.6
137.5°	1817.6	1904.9	1817.6	1730.4	1708.6	1562.4	1367.4	1269.9	1207.9	1083.9	990.8
140°	1744.8	1826.3	1744.8	1663.2	1642.9	1516.6	1348.2	1263.9	1209.2	1099.5	1017.3
142.5°	1684.5	1754.6	1684.5	1614.3	1596.8	1485.8	1337.9	1263.9	1213.5	1112.6	1036.9
145°	1594.0	1647.1	1594.0	1541.0	1527.7	1436.9	1315.9	1255.4	1213.5	1129.7	1066.8
147.5°	1524.6	1568.6	1524.6	1480.6	1469.6	1398.2	1303.0	1255.4	1221.8	1154.7	1104.4
150°	1480.9	1516.6	1480.9	1445.2	1436.3	1376.0	1295.6	1255.4	1226.2	1167.8	1124.0
152.5°	1443.5	1470.4	1443.5	1416.6	1409.9	1358.4	1289.7	1255.4	1229.1	1176.3	1136.7
155°	1400.6	1418.4	1400.6	1382.8	1378.3	1337.4	1282.8	1255.4	1235.3	1195.1	1164.9
157.5°	1366.6	1379.1	1366.6	1354.1	1350.9	1319.1	1276.6	1255.4	1241.5	1213.8	1193.1
160°	1346.4	1353.5	1346.4	1339.2	1337.4	1310.0	1273.6	1255.4	1244.4	1222.5	1205.9
162.5°	1333.0	1339.9	1333.0	1326.3	1324.5	1301.5	1270.7	1255.4	1247.4	1231.5	1219.5
165°	1313.9	1321.1	1313.9	1306.7	1304.9	1288.4	1266.4	1255.4	1251.8	1244.6	1239.2
167.5°	1300.2	1303.2	1300.2	1297.1	1296.3	1285.5	1271.1	1263.9	1260.9	1254.9	1250.3
170°	1296.3	1296.3	1296.3	1296.3	1296.3	1285.5	1271.1	1263.9	1263.8	1263.4	1263.1
172.5°	1286.2	1283.6	1286.2	1288.9	1289.5	1281.0	1269.6	1263.9	1263.9	1263.9	1263.9
175°	1280.2	1280.2	1280.2	1280.2	1280.2	1274.8	1267.5	1263.9	1265.7	1269.1	1271.6
177.5°	1274.7	1271.6	1274.7	1277.7	1278.4	1274.2	1268.5	1265.7	1267.0	1269.6	1271.6
180°	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6



TEST NUMBER: P934856

CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8
2.5°	3899.4	3877.5	3877.5	3841.2	3826.6	3815.7	3797.5	3743.0	3728.4	3713.8	3735.7
5°	3932.1	3892.1	3863.0	3797.5	3743.0	3721.2	3652.1	3521.1	3433.7	3368.3	3332.0
7.5°	3939.4	3888.5	3833.9	3732.1	3601.1	3542.9	3332.0	3091.9	3026.4	2968.2	2931.8
10°	3932.1	3874.0	3797.5	3644.7	3335.5	3233.7	3022.7	2866.3	2826.3	2815.4	2826.3
12.5°	3906.6	3852.1	3746.6	3492.0	3059.1	2990.0	2866.3	2775.4	2768.1	2786.3	2884.5
15°	3863.0	3812.1	3688.4	3288.3	2906.3	2855.4	2768.1	2735.4	2775.4	2902.7	3197.3
17.5°	3819.4	3761.2	3608.4	3088.2	2790.0	2753.5	2691.7	2757.2	2982.7	3153.7	3251.9
20°	3761.2	3692.1	3517.4	2942.7	2706.3	2673.5	2644.4	2939.1	3110.1	3171.9	3226.4
22.5°	3692.1	3619.3	3393.7	2840.9	2619.0	2593.5	2611.7	3041.0	3110.1	3153.7	3201.0
25°	3601.1	3539.3	3248.3	2760.9	2549.9	2520.8	2589.9	3030.0	3070.1	3081.0	3175.5
27.5°	3517.4	3437.4	3095.5	2688.1	2466.2	2455.3	2608.1	2982.7	3011.9	3022.7	3124.6
30°	3415.6	3295.5	2924.5	2611.7	2378.9	2375.3	2611.7	2924.5	2917.3	2946.4	3048.2
32.5°	3310.1	3084.6	2731.7	2517.1	2295.2	2291.6	2586.2	2837.2	2830.0	2870.0	2946.4
35°	3211.9	2920.9	2469.9	2408.0	2189.8	2193.4	2524.4	2735.4	2739.0	2775.4	2822.6
37.5°	3110.1	2779.1	2182.5	2288.0	2087.9	2087.9	2440.7	2640.9	2633.5	2644.4	2710.0
40°	2990.0	2557.2	1927.9	2131.5	1993.3	1982.4	2338.9	2539.0	2513.5	2509.9	2600.8
42.5°	2862.7	2313.4	1738.8	1924.2	1884.2	1869.6	2215.2	2415.3	2368.0	2378.9	2495.3
45°	2724.5	2248.0	1593.2	1626.0	1771.4	1760.5	2080.6	2273.4	2240.6	2269.8	2389.9
47.5°	2586.2	2117.0	1545.9	1349.5	1651.4	1647.8	1931.5	2135.2	2117.0	2146.1	2273.4
50°	2397.1	1971.5	1542.3	1156.8	1516.9	1531.4	1753.3	2000.6	2000.6	2026.1	2160.6
52.5°	2153.4	1793.3	1400.4	1047.5	1360.4	1404.1	1596.9	1884.2	1891.5	1917.0	2037.0
55°	1931.5	1607.8	1298.5	963.9	1174.9	1269.4	1444.1	1764.2	1778.8	1804.2	1913.3
57.5°	1727.8	1338.5	1276.8	865.8	1004.0	1094.9	1309.5	1647.8	1655.1	1676.9	1782.3
60°	1509.5	967.5	1171.3	760.2	854.8	923.9	1185.8	1509.5	1535.0	1549.5	1640.5
62.5°	1262.2	702.0	1062.1	687.4	782.1	796.7	1084.0	1378.6	1411.3	1422.2	1476.8
65°	898.4	589.3	902.1	625.7	705.7	709.3	974.9	1244.0	1273.1	1291.3	1331.3
67.5°	607.4	480.1	687.4	567.4	647.4	651.1	869.3	1087.6	1127.6	1142.2	1167.7
70°	422.0	320.1	509.2	505.6	582.0	589.3	756.6	945.8	982.1	993.0	1007.5
72.5°	309.2	258.2	422.0	454.7	512.9	520.1	640.2	785.7	822.1	833.0	840.2
75°	236.4	272.8	341.9	396.4	436.5	440.1	523.8	640.2	665.7	672.9	676.5
77.5°	189.1	254.7	251.0	320.1	356.4	349.2	411.0	494.7	516.5	516.5	516.5
80°	141.9	200.1	189.1	229.1	261.9	254.7	294.7	352.9	360.1	367.4	363.8
82.5°	105.4	127.3	127.3	145.5	174.6	167.3	196.4	229.1	229.1	229.1	236.4
85°	65.4	72.8	58.2	76.4	98.2	94.6	109.1	123.7	127.3	127.3	120.0
87.5°	40.0	32.8	18.2	29.1	43.7	43.7	50.9	54.6	50.9	50.9	50.9
90°	22.1	15.3	8.5	15.3	22.1	23.9	37.5	55.8	64.9	57.6	43.2
92.5°	150.2	92.1	34.1	92.1	150.2	164.7	231.5	320.6	365.2	320.1	229.9
95°	294.4	188.1	82.0	188.1	294.4	320.9	569.8	901.7	1067.6	952.8	722.9
97.5°	329.1	235.4	141.7	235.4	329.1	352.5	767.6	1320.9	1597.6	1524.9	1379.7
100°	357.7	272.7	187.8	272.7	357.7	378.9	839.5	1453.5	1760.6	1765.9	1776.6
102.5°	385.5	306.3	227.0	306.3	385.5	405.3	872.5	1495.3	1806.8	1899.3	2084.4
105°	427.8	360.7	293.6	360.7	427.8	444.6	897.0	1500.1	1801.6	2009.1	2424.1
107.5°	487.0	424.4	361.8	424.4	487.0	502.7	901.5	1433.3	1699.2	1988.6	2567.4
110°	521.0	464.4	407.9	464.4	521.0	535.1	894.7	1374.2	1613.9	1937.4	2584.5



TEST NUMBER: P934856

CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	560.9	507.0	453.2	507.0	560.9	574.4	895.0	1322.5	1536.2	1867.3	2529.6
115°	620.8	571.1	521.4	571.1	620.8	633.2	903.2	1263.2	1443.2	1762.2	2400.1
117.5°	679.1	634.0	588.9	634.0	679.1	690.4	920.0	1226.0	1379.1	1667.0	2242.8
120°	713.0	670.7	628.2	670.7	713.0	723.7	933.7	1213.6	1353.5	1616.5	2142.6
122.5°	752.2	709.4	666.5	709.4	752.2	763.0	953.3	1207.0	1333.9	1570.7	2044.5
125°	803.6	764.5	725.4	764.5	803.6	813.4	979.7	1201.6	1312.6	1513.8	1916.2
127.5°	852.2	812.7	773.2	812.7	852.2	862.0	1006.3	1198.5	1294.7	1467.5	1813.0
130°	883.7	841.3	798.9	841.3	883.7	894.4	1025.5	1200.3	1287.8	1441.6	1749.2
132.5°	910.2	867.8	825.3	867.8	910.2	920.8	1041.1	1201.6	1281.8	1419.5	1694.9
135°	941.9	903.2	864.6	903.2	941.9	951.6	1058.3	1200.5	1271.6	1386.9	1617.5
137.5°	981.3	942.9	904.7	942.9	981.3	990.8	1083.9	1207.9	1269.9	1367.4	1562.4
140°	1008.5	973.1	937.9	973.1	1008.5	1017.3	1099.5	1209.2	1263.9	1348.2	1516.6
142.5°	1028.7	996.2	963.5	996.2	1028.7	1036.9	1112.6	1213.5	1263.9	1337.9	1485.8
145°	1059.7	1031.2	1002.8	1031.2	1059.7	1066.8	1129.7	1213.5	1255.4	1315.9	1436.9
147.5°	1097.5	1069.8	1042.0	1069.8	1097.5	1104.4	1154.7	1221.8	1255.4	1303.0	1398.2
150°	1117.8	1092.7	1067.6	1092.7	1117.8	1124.0	1167.8	1226.2	1255.4	1295.6	1376.0
152.5°	1132.0	1113.1	1094.1	1113.1	1132.0	1136.7	1176.3	1229.1	1255.4	1289.7	1358.4
155°	1161.4	1147.4	1133.4	1147.4	1161.4	1164.9	1195.1	1235.3	1255.4	1282.8	1337.4
157.5°	1189.7	1176.0	1162.4	1176.0	1189.7	1193.1	1213.8	1241.5	1255.4	1276.6	1319.1
160°	1203.3	1192.6	1182.0	1192.6	1203.3	1205.9	1222.5	1244.4	1255.4	1273.6	1310.0
162.5°	1217.5	1209.6	1201.6	1209.6	1217.5	1219.5	1231.5	1247.4	1255.4	1270.7	1301.5
165°	1237.3	1230.2	1223.0	1230.2	1237.3	1239.2	1244.6	1251.8	1255.4	1266.4	1288.4
167.5°	1249.4	1246.0	1242.6	1246.0	1249.4	1250.3	1254.9	1260.9	1263.9	1271.1	1285.5
170°	1262.3	1258.8	1255.4	1258.8	1262.3	1263.1	1263.4	1263.8	1263.9	1271.1	1285.5
172.5°	1263.8	1262.9	1262.2	1262.9	1263.8	1263.9	1263.9	1263.9	1263.9	1269.6	1281.0
175°	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1269.1	1265.7	1263.9	1267.5	1274.8
177.5°	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1269.6	1267.0	1265.7	1268.5	1274.2
180°	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6



TEST NUMBER: P934856
 CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8
2.5°	3710.2	3699.3	3713.8	3673.8	3713.8	3699.3	3710.2	3735.7	3713.8	3728.4	3743.0
5°	3255.5	3237.4	3179.2	3131.9	3179.2	3237.4	3255.5	3332.0	3368.3	3433.7	3521.1
7.5°	2910.0	2895.4	2880.9	2851.7	2880.9	2895.4	2910.0	2931.8	2968.2	3026.4	3091.9
10°	2833.6	2837.2	2859.1	2855.4	2859.1	2837.2	2833.6	2826.3	2815.4	2826.3	2866.3
12.5°	3030.0	3062.7	3182.7	3175.5	3182.7	3062.7	3030.0	2884.5	2786.3	2768.1	2775.4
15°	3255.5	3266.4	3292.0	3295.5	3292.0	3266.4	3255.5	3197.3	2902.7	2775.4	2735.4
17.5°	3277.4	3281.0	3299.2	3299.2	3299.2	3281.0	3277.4	3251.9	3153.7	2982.7	2757.2
20°	3259.2	3266.4	3302.8	3310.1	3302.8	3266.4	3259.2	3226.4	3171.9	3110.1	2939.1
22.5°	3251.9	3266.4	3295.5	3292.0	3295.5	3266.4	3251.9	3201.0	3153.7	3110.1	3041.0
25°	3215.5	3215.5	3219.2	3222.8	3219.2	3215.5	3215.5	3175.5	3081.0	3070.1	3030.0
27.5°	3139.2	3146.4	3168.3	3164.6	3168.3	3146.4	3139.2	3124.6	3022.7	3011.9	2982.7
30°	3070.1	3062.7	3044.5	3030.0	3044.5	3062.7	3070.1	3048.2	2946.4	2917.3	2924.5
32.5°	2953.6	2935.4	2917.3	2906.3	2917.3	2935.4	2953.6	2946.4	2870.0	2830.0	2837.2
35°	2815.4	2819.1	2815.4	2804.5	2815.4	2819.1	2815.4	2822.6	2775.4	2739.0	2735.4
37.5°	2717.2	2724.5	2720.9	2706.3	2720.9	2724.5	2717.2	2710.0	2644.4	2633.5	2640.9
40°	2615.3	2619.0	2615.3	2604.4	2615.3	2619.0	2615.3	2600.8	2509.9	2513.5	2539.0
42.5°	2517.1	2513.5	2502.6	2495.3	2502.6	2513.5	2517.1	2495.3	2378.9	2368.0	2415.3
45°	2404.4	2408.0	2386.2	2375.3	2386.2	2408.0	2404.4	2389.9	2269.8	2240.6	2273.4
47.5°	2291.6	2291.6	2273.4	2262.5	2273.4	2291.6	2291.6	2273.4	2146.1	2117.0	2135.2
50°	2171.5	2168.0	2142.5	2138.9	2142.5	2168.0	2171.5	2160.6	2026.1	2000.6	2000.6
52.5°	2033.3	2033.3	2037.0	2044.3	2037.0	2033.3	2033.3	2037.0	1917.0	1891.5	1884.2
55°	1913.3	1917.0	1942.4	1949.6	1942.4	1917.0	1913.3	1913.3	1804.2	1778.8	1764.2
57.5°	1789.6	1789.6	1807.9	1807.9	1807.9	1789.6	1789.6	1782.3	1676.9	1655.1	1647.8
60°	1647.8	1655.1	1669.6	1666.0	1669.6	1655.1	1647.8	1640.5	1549.5	1535.0	1509.5
62.5°	1498.6	1505.9	1509.5	1502.3	1509.5	1505.9	1498.6	1476.8	1422.2	1411.3	1378.6
65°	1342.2	1349.5	1353.1	1345.9	1353.1	1349.5	1342.2	1331.3	1291.3	1273.1	1244.0
67.5°	1182.2	1178.5	1174.9	1189.4	1174.9	1178.5	1182.2	1167.7	1142.2	1127.6	1087.6
70°	1018.5	1018.5	1014.9	1022.1	1014.9	1018.5	1018.5	1007.5	993.0	982.1	945.8
72.5°	843.9	840.2	854.8	843.9	854.8	840.2	843.9	840.2	833.0	822.1	785.7
75°	672.9	680.2	672.9	683.9	672.9	680.2	672.9	676.5	672.9	665.7	640.2
77.5°	512.9	520.1	512.9	512.9	512.9	520.1	512.9	516.5	516.5	516.5	494.7
80°	363.8	360.1	360.1	356.4	360.1	360.1	363.8	363.8	367.4	360.1	352.9
82.5°	232.8	229.1	229.1	236.4	229.1	229.1	232.8	236.4	229.1	229.1	229.1
85°	127.3	131.0	123.7	123.7	123.7	131.0	127.3	120.0	127.3	127.3	123.7
87.5°	47.3	43.7	43.7	43.7	43.7	43.7	47.3	50.9	50.9	50.9	54.6
90°	32.4	32.4	32.4	32.4	32.4	32.4	32.4	43.2	57.6	64.9	55.8
92.5°	162.2	155.7	129.9	104.2	129.9	155.7	162.2	229.9	320.1	365.2	320.6
95°	550.4	530.9	452.8	374.7	452.8	530.9	550.4	722.9	952.8	1067.6	901.7
97.5°	1270.7	1233.6	1084.9	936.2	1084.9	1233.6	1270.7	1379.7	1524.9	1597.6	1320.9
100°	1784.5	1740.2	1563.1	1386.0	1563.1	1740.2	1784.5	1776.6	1765.9	1760.6	1453.5
102.5°	2223.2	2185.3	2033.5	1881.8	2033.5	2185.3	2223.2	2084.4	1899.3	1806.8	1495.3
105°	2735.3	2714.9	2633.3	2551.7	2633.3	2714.9	2735.3	2424.1	2009.1	1801.6	1500.1
107.5°	3001.5	3006.5	3026.2	3045.9	3026.2	3006.5	3001.5	2567.4	1988.6	1699.2	1433.3
110°	3069.8	3091.0	3176.0	3260.9	3176.0	3091.0	3069.8	2584.5	1937.4	1613.9	1374.2



TEST NUMBER: P934856

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3026.3	3058.9	3189.4	3319.9	3189.4	3058.9	3026.3	2529.6	1867.3	1536.2	1322.5
115°	2878.6	2923.9	3104.7	3285.7	3104.7	2923.9	2878.6	2400.1	1762.2	1443.2	1263.2
117.5°	2674.6	2724.8	2925.4	3126.1	2925.4	2724.8	2674.6	2242.8	1667.0	1379.1	1226.0
120°	2537.2	2586.0	2781.0	2975.9	2781.0	2586.0	2537.2	2142.6	1616.5	1353.5	1213.6
122.5°	2399.9	2448.0	2640.2	2832.6	2640.2	2448.0	2399.9	2044.5	1570.7	1333.9	1207.0
125°	2218.1	2262.4	2439.5	2616.6	2439.5	2262.4	2218.1	1916.2	1513.8	1312.6	1201.6
127.5°	2072.2	2109.5	2259.0	2408.4	2259.0	2109.5	2072.2	1813.0	1467.5	1294.7	1198.5
130°	1979.9	2014.4	2152.5	2290.7	2152.5	2014.4	1979.9	1749.2	1441.6	1287.8	1200.3
132.5°	1901.5	1932.4	2056.0	2179.7	2056.0	1932.4	1901.5	1694.9	1419.5	1281.8	1201.6
135°	1790.5	1817.1	1923.8	2030.3	1923.8	1817.1	1790.5	1617.5	1386.9	1271.6	1200.5
137.5°	1708.6	1730.4	1817.6	1904.9	1817.6	1730.4	1708.6	1562.4	1367.4	1269.9	1207.9
140°	1642.9	1663.2	1744.8	1826.3	1744.8	1663.2	1642.9	1516.6	1348.2	1263.9	1209.2
142.5°	1596.8	1614.3	1684.5	1754.6	1684.5	1614.3	1596.8	1485.8	1337.9	1263.9	1213.5
145°	1527.7	1541.0	1594.0	1647.1	1594.0	1541.0	1527.7	1436.9	1315.9	1255.4	1213.5
147.5°	1469.6	1480.6	1524.6	1568.6	1524.6	1480.6	1469.6	1398.2	1303.0	1255.4	1221.8
150°	1436.3	1445.2	1480.9	1516.6	1480.9	1445.2	1436.3	1376.0	1295.6	1255.4	1226.2
152.5°	1409.9	1416.6	1443.5	1470.4	1443.5	1416.6	1409.9	1358.4	1289.7	1255.4	1229.1
155°	1378.3	1382.8	1400.6	1418.4	1400.6	1382.8	1378.3	1337.4	1282.8	1255.4	1235.3
157.5°	1350.9	1354.1	1366.6	1379.1	1366.6	1354.1	1350.9	1319.1	1276.6	1255.4	1241.5
160°	1337.4	1339.2	1346.4	1353.5	1346.4	1339.2	1337.4	1310.0	1273.6	1255.4	1244.4
162.5°	1324.5	1326.3	1333.0	1339.9	1333.0	1326.3	1324.5	1301.5	1270.7	1255.4	1247.4
165°	1304.9	1306.7	1313.9	1321.1	1313.9	1306.7	1304.9	1288.4	1266.4	1255.4	1251.8
167.5°	1296.3	1297.1	1300.2	1303.2	1300.2	1297.1	1296.3	1285.5	1271.1	1263.9	1260.9
170°	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1285.5	1271.1	1263.9	1263.8
172.5°	1289.5	1288.9	1286.2	1283.6	1286.2	1288.9	1289.5	1281.0	1269.6	1263.9	1263.9
175°	1280.2	1280.2	1280.2	1280.2	1280.2	1280.2	1280.2	1274.8	1267.5	1263.9	1265.7
177.5°	1278.4	1277.7	1274.7	1271.6	1274.7	1277.7	1278.4	1274.2	1268.5	1265.7	1267.0
180°	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6



TEST NUMBER: P934856

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3844.8	3844.8	3844.8	3844.8	3844.8
2.5°	3797.5	3815.7	3826.6	3841.2	3877.5
5°	3652.1	3721.2	3743.0	3797.5	3863.0
7.5°	3332.0	3542.9	3601.1	3732.1	3833.9
10°	3022.7	3233.7	3335.5	3644.7	3797.5
12.5°	2866.3	2990.0	3059.1	3492.0	3746.6
15°	2768.1	2855.4	2906.3	3288.3	3688.4
17.5°	2691.7	2753.5	2790.0	3088.2	3608.4
20°	2644.4	2673.5	2706.3	2942.7	3517.4
22.5°	2611.7	2593.5	2619.0	2840.9	3393.7
25°	2589.9	2520.8	2549.9	2760.9	3248.3
27.5°	2608.1	2455.3	2466.2	2688.1	3095.5
30°	2611.7	2375.3	2378.9	2611.7	2924.5
32.5°	2586.2	2291.6	2295.2	2517.1	2731.7
35°	2524.4	2193.4	2189.8	2408.0	2469.9
37.5°	2440.7	2087.9	2087.9	2288.0	2182.5
40°	2338.9	1982.4	1993.3	2131.5	1927.9
42.5°	2215.2	1869.6	1884.2	1924.2	1738.8
45°	2080.6	1760.5	1771.4	1626.0	1593.2
47.5°	1931.5	1647.8	1651.4	1349.5	1545.9
50°	1753.3	1531.4	1516.9	1156.8	1542.3
52.5°	1596.9	1404.1	1360.4	1047.5	1400.4
55°	1444.1	1269.4	1174.9	963.9	1298.5
57.5°	1309.5	1094.9	1004.0	865.8	1276.8
60°	1185.8	923.9	854.8	760.2	1171.3
62.5°	1084.0	796.7	782.1	687.4	1062.1
65°	974.9	709.3	705.7	625.7	902.1
67.5°	869.3	651.1	647.4	567.4	687.4
70°	756.6	589.3	582.0	505.6	509.2
72.5°	640.2	520.1	512.9	454.7	422.0
75°	523.8	440.1	436.5	396.4	341.9
77.5°	411.0	349.2	356.4	320.1	251.0
80°	294.7	254.7	261.9	229.1	189.1
82.5°	196.4	167.3	174.6	145.5	127.3
85°	109.1	94.6	98.2	76.4	58.2
87.5°	50.9	43.7	43.7	29.1	18.2
90°	37.5	23.9	22.1	15.3	8.5
92.5°	231.5	164.7	150.2	92.1	34.1
95°	569.8	320.9	294.4	188.1	82.0
97.5°	767.6	352.5	329.1	235.4	141.7
100°	839.5	378.9	357.7	272.7	187.8
102.5°	872.5	405.3	385.5	306.3	227.0
105°	897.0	444.6	427.8	360.7	293.6
107.5°	901.5	502.7	487.0	424.4	361.8
110°	894.7	535.1	521.0	464.4	407.9



TEST NUMBER: P934856

CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	895.0	574.4	560.9	507.0	453.2
115°	903.2	633.2	620.8	571.1	521.4
117.5°	920.0	690.4	679.1	634.0	588.9
120°	933.7	723.7	713.0	670.7	628.2
122.5°	953.3	763.0	752.2	709.4	666.5
125°	979.7	813.4	803.6	764.5	725.4
127.5°	1006.3	862.0	852.2	812.7	773.2
130°	1025.5	894.4	883.7	841.3	798.9
132.5°	1041.1	920.8	910.2	867.8	825.3
135°	1058.3	951.6	941.9	903.2	864.6
137.5°	1083.9	990.8	981.3	942.9	904.7
140°	1099.5	1017.3	1008.5	973.1	937.9
142.5°	1112.6	1036.9	1028.7	996.2	963.5
145°	1129.7	1066.8	1059.7	1031.2	1002.8
147.5°	1154.7	1104.4	1097.5	1069.8	1042.0
150°	1167.8	1124.0	1117.8	1092.7	1067.6
152.5°	1176.3	1136.7	1132.0	1113.1	1094.1
155°	1195.1	1164.9	1161.4	1147.4	1133.4
157.5°	1213.8	1193.1	1189.7	1176.0	1162.4
160°	1222.5	1205.9	1203.3	1192.6	1182.0
162.5°	1231.5	1219.5	1217.5	1209.6	1201.6
165°	1244.6	1239.2	1237.3	1230.2	1223.0
167.5°	1254.9	1250.3	1249.4	1246.0	1242.6
170°	1263.4	1263.1	1262.3	1258.8	1255.4
172.5°	1263.9	1263.9	1263.8	1262.9	1262.2
175°	1269.1	1271.6	1271.6	1271.6	1271.6
177.5°	1269.6	1271.6	1271.6	1271.6	1271.6
180°	1271.6	1271.6	1271.6	1271.6	1271.6



TEST NUMBER: P934856
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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	13.84	14.75	14.76	15.68	16.88	16.69	17.60	17.61	18.53	19.73
	3H	14.32	15.13	15.25	16.08	17.30	18.05	18.86	18.98	19.80	21.03
	4H	14.52	15.28	15.46	16.23	17.47	18.50	19.27	19.44	20.22	21.45
	6H	14.64	15.34	15.59	16.30	17.55	18.79	19.50	19.75	20.45	21.70
	8H	14.64	15.31	15.60	16.28	17.53	18.87	19.54	19.83	20.52	21.76
	12H	14.61	15.25	15.58	16.22	17.49	18.91	19.56	19.88	20.52	21.79
4H	2H	14.88	15.65	15.83	16.60	17.84	17.11	17.87	18.05	18.82	20.06
	3H	15.92	16.56	16.87	17.53	18.78	18.62	19.26	19.58	20.24	21.49
	4H	16.19	16.78	17.16	17.75	19.02	19.16	19.74	20.13	20.71	21.99
	6H	16.32	16.82	17.30	17.82	19.09	19.53	20.03	20.51	21.03	22.30
	8H	16.33	16.80	17.31	17.79	19.08	19.64	20.11	20.62	21.10	22.39
	12H	16.30	16.72	17.30	17.73	19.02	19.70	20.13	20.71	21.13	22.43
8H	4H	16.66	17.12	17.64	18.11	19.40	19.29	19.76	20.27	20.74	22.03
	6H	16.92	17.31	17.93	18.34	19.62	19.73	20.12	20.74	21.15	22.43
	8H	16.96	17.30	17.98	18.32	19.63	19.89	20.23	20.90	21.25	22.55
	12H	16.95	17.25	17.97	18.26	19.61	19.99	20.29	21.01	21.30	22.65
12H	4H	16.66	17.09	17.66	18.09	19.39	19.25	19.68	20.25	20.68	21.97
	6H	16.98	17.32	18.00	18.34	19.65	19.73	20.07	20.74	21.09	22.39
	8H	17.05	17.35	18.07	18.36	19.71	19.89	20.20	20.91	21.21	22.56