

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: P934827

Luminaire Tested: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934827
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-92765-1D-UNV-STD-W-12-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

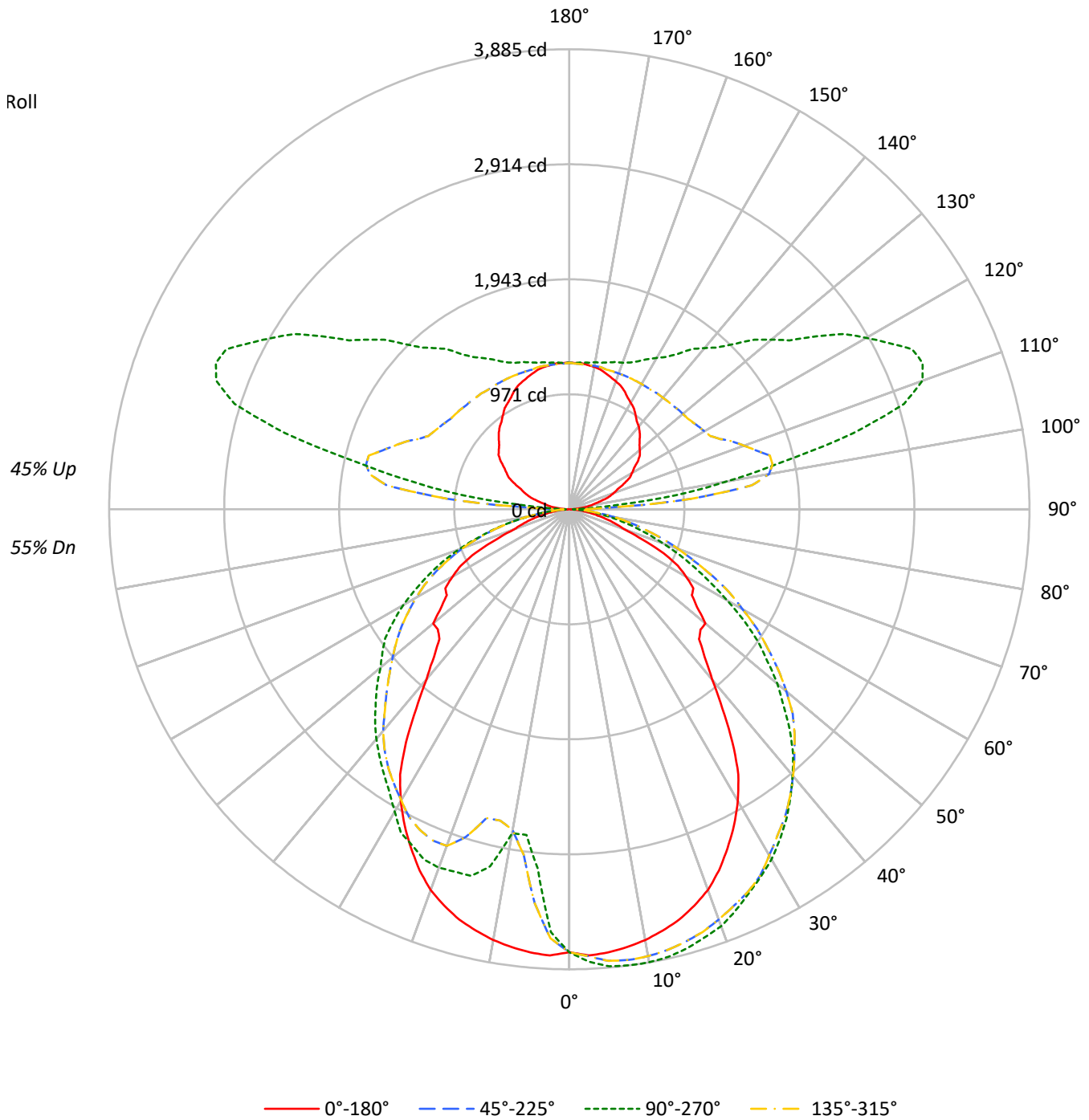
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17719.4 lumens
Efficiency: N/A
Efficacy: 115.4 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

TEST NUMBER: P934827
CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P934827

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-3500K

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

MAXIMUM LUMINANCE 45°-90°:

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



TEST NUMBER: P934827

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.6	1.9
10°-20°	958.5	5.4
20°-30°	1481.6	8.4
30°-40°	1768.8	10.0
40°-50°	1779.1	10.0
50°-60°	1548.0	8.7
60°-70°	1097.6	6.2
70°-80°	580.7	3.3
80°-90°	149.3	0.8
90°-100°	602.9	3.4
100°-110°	1585.1	8.9
110°-120°	1643.6	9.3
120°-130°	1318.4	7.4
130°-140°	1034.4	5.8
140°-150°	794.0	4.5
150°-160°	571.8	3.2
160°-170°	349.9	2.0
170°-180°	118.2	0.7
0°-30°	2777.7	15.7
0°-40°	4546.5	25.7
0°-60°	7873.6	44.4
0°-90°	9701.2	54.7
90°-120°	3831.6	21.6
90°-150°	6978.3	39.4
90°-180°	8018.0	45.2
0°-180°	17719.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3740	3740	3740	3740	3740	
5°	3758	3874	3758	3046	3758	356
15°	3588	3839	3588	3206	3588	1009
25°	3160	3581	3160	3135	3160	1451
35°	2402	3195	2402	2728	2402	1486
45°	1550	2632	1550	2310	1550	1241
55°	1263	1942	1263	1896	1263	1161
65°	877	1171	877	1309	877	839
75°	333	556	333	665	333	350
85°	57	142	57	120	57	76
90°	8	32	8	32	8	9
95°	80	364	80	364	80	88
105°	286	2482	286	2482	286	303
115°	507	3196	507	3196	507	501
125°	706	2545	706	2545	706	626
135°	841	1975	841	1975	841	651
145°	975	1602	975	1602	975	611
155°	1102	1380	1102	1380	1102	507
165°	1190	1285	1190	1285	1190	336
175°	1237	1245	1237	1245	1237	117
180°	1237	1237	1237	1237	1237	



TEST NUMBER: P934827

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7
2.5°	3771.6	3771.6	3792.8	3799.9	3799.9	3789.3	3778.6	3789.3	3821.1	3831.7	3828.2
5°	3757.5	3785.8	3824.7	3831.7	3838.8	3835.3	3828.2	3835.3	3870.7	3877.7	3881.3
7.5°	3729.1	3782.2	3831.7	3842.4	3853.0	3842.4	3838.8	3845.9	3881.3	3888.3	3888.3
10°	3693.8	3768.1	3824.7	3831.7	3842.4	3831.7	3831.7	3845.9	3881.3	3888.3	3891.9
12.5°	3644.2	3746.9	3799.9	3807.0	3821.1	3817.6	3814.1	3828.2	3863.6	3870.7	3870.7
15°	3587.6	3707.9	3757.5	3764.5	3789.3	3782.2	3782.2	3796.4	3835.3	3845.9	3842.4
17.5°	3509.8	3658.4	3715.0	3725.6	3743.3	3739.7	3743.3	3757.5	3792.8	3799.9	3803.5
20°	3421.3	3591.2	3658.4	3669.0	3686.7	3686.7	3686.7	3704.4	3739.7	3753.9	3753.9
22.5°	3301.0	3520.4	3591.2	3598.2	3619.5	3619.5	3626.5	3651.3	3683.1	3686.7	3686.7
25°	3159.5	3442.6	3502.7	3524.0	3545.1	3555.8	3566.4	3580.6	3591.2	3587.6	3591.2
27.5°	3010.9	3343.5	3421.3	3435.5	3463.8	3474.4	3488.5	3492.1	3495.6	3506.2	3499.2
30°	2844.6	3205.5	3322.2	3336.4	3382.4	3389.5	3375.4	3382.4	3400.1	3407.2	3414.3
32.5°	2657.1	3000.3	3219.7	3251.5	3293.9	3272.7	3269.2	3279.8	3308.1	3308.1	3315.2
35°	2402.4	2841.1	3124.2	3152.5	3184.2	3159.5	3173.6	3177.2	3194.9	3205.5	3202.0
37.5°	2122.8	2703.1	3025.1	3046.3	3071.1	3039.2	3060.4	3071.1	3085.3	3078.1	3078.1
40°	1875.2	2487.3	2908.3	2922.4	2943.7	2919.0	2940.1	2947.3	2954.3	2947.3	2943.7
42.5°	1691.2	2250.2	2784.4	2802.2	2788.0	2805.7	2812.7	2826.9	2816.3	2802.2	2802.2
45°	1549.7	2186.6	2650.0	2671.3	2650.0	2678.3	2688.9	2688.9	2657.1	2650.0	2646.5
47.5°	1503.7	2059.2	2515.6	2515.6	2505.0	2540.3	2558.1	2533.3	2501.4	2490.9	2490.9
50°	1500.1	1917.6	2331.6	2317.4	2367.0	2409.4	2391.8	2367.0	2342.2	2303.3	2303.3
52.5°	1362.1	1744.3	2094.5	2147.6	2225.5	2250.2	2221.9	2197.2	2154.7	2137.0	2122.8
55°	1263.1	1563.9	1878.7	1984.8	2066.2	2098.1	2045.0	2020.3	1956.5	1945.9	1938.9
57.5°	1241.9	1302.0	1680.6	1815.1	1914.1	1910.6	1878.7	1832.7	1779.6	1769.1	1765.5
60°	1139.3	941.1	1468.3	1627.5	1730.2	1719.5	1691.2	1648.8	1599.2	1592.2	1585.0
62.5°	1033.1	682.9	1227.7	1408.2	1553.2	1549.7	1525.0	1461.2	1425.9	1408.2	1394.0
65°	877.4	573.2	873.9	1171.1	1379.8	1387.0	1333.8	1287.9	1249.0	1227.7	1224.1
67.5°	668.7	467.0	590.8	976.5	1213.6	1206.5	1139.3	1118.0	1068.5	1057.8	1036.7
70°	495.3	311.3	410.4	792.6	1050.8	1033.1	980.0	955.3	909.3	884.5	870.4
72.5°	410.4	251.2	300.7	615.6	884.5	863.3	817.3	789.0	750.1	728.8	714.7
75°	332.6	265.4	229.9	456.4	718.2	704.1	661.6	633.3	601.4	573.2	576.7
77.5°	244.1	247.7	184.0	336.2	569.7	548.4	523.6	488.3	474.1	445.8	445.8
80°	184.0	194.6	138.0	229.9	410.4	410.4	389.2	364.5	339.6	325.5	325.5
82.5°	123.8	123.8	102.6	145.1	279.5	268.9	254.8	247.7	233.5	226.5	226.5
85°	56.6	70.8	63.6	88.5	152.1	159.2	159.2	152.1	148.6	141.5	145.1
87.5°	17.7	31.9	38.9	49.5	77.8	81.4	84.9	84.9	84.9	88.5	88.5
90°	8.3	14.9	21.5	23.2	36.5	54.3	63.1	56.1	42.0	31.5	31.5
92.5°	33.2	89.6	146.1	160.2	225.2	311.9	355.3	311.3	223.6	157.7	151.5
95°	79.7	183.0	286.4	312.1	554.2	877.1	1038.5	926.7	703.1	535.4	516.4
97.5°	137.8	229.0	320.1	342.9	746.6	1284.8	1554.0	1483.3	1342.0	1236.0	1199.9
100°	182.6	265.3	347.9	368.6	816.6	1413.8	1712.5	1717.7	1728.0	1735.8	1692.7
102.5°	220.8	298.0	375.0	394.3	848.6	1454.4	1757.4	1847.4	2027.4	2162.5	2125.6
105°	285.5	350.9	416.1	432.5	872.4	1459.1	1752.4	1954.2	2357.9	2660.5	2640.7
107.5°	352.0	412.8	473.7	489.0	876.9	1394.2	1652.8	1934.3	2497.3	2919.5	2924.3
110°	396.8	451.8	506.7	520.5	870.2	1336.6	1569.8	1884.5	2513.9	2985.9	3006.5



TEST NUMBER: P934827

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	440.8	493.2	545.6	558.7	870.6	1286.4	1494.2	1816.3	2460.5	2943.6	2975.3
115°	507.2	555.5	603.9	615.9	878.5	1228.7	1403.7	1714.0	2334.6	2800.0	2844.0
117.5°	572.8	616.7	660.5	671.5	894.9	1192.5	1341.4	1621.4	2181.5	2601.5	2650.4
120°	611.0	652.3	693.6	703.9	908.2	1180.4	1316.5	1572.4	2084.1	2467.9	2515.3
122.5°	648.3	690.0	731.7	742.1	927.3	1174.1	1297.4	1527.8	1988.7	2334.3	2381.1
125°	705.6	743.6	781.7	791.1	953.0	1168.8	1276.7	1472.5	1863.9	2157.5	2200.6
127.5°	752.1	790.5	828.9	838.4	978.8	1165.8	1259.3	1427.4	1763.5	2015.5	2051.9
130°	777.0	818.4	859.6	869.9	997.5	1167.5	1252.6	1402.2	1701.4	1925.8	1959.4
132.5°	802.7	844.1	885.3	895.7	1012.7	1168.8	1246.8	1380.7	1648.6	1849.5	1879.6
135°	840.9	878.5	916.2	925.6	1029.4	1167.7	1236.9	1349.0	1573.3	1741.6	1767.5
137.5°	879.9	917.2	954.5	963.8	1054.3	1174.9	1235.2	1330.0	1519.7	1661.9	1683.1
140°	912.3	946.5	980.9	989.5	1069.4	1176.1	1229.4	1311.3	1475.1	1598.0	1617.8
142.5°	937.2	968.9	1000.6	1008.6	1082.2	1180.3	1229.4	1301.4	1445.2	1553.2	1570.2
145°	975.4	1003.0	1030.7	1037.7	1098.8	1180.3	1221.1	1279.9	1397.7	1485.9	1498.9
147.5°	1013.6	1040.5	1067.5	1074.2	1123.2	1188.4	1221.1	1267.4	1360.0	1429.4	1440.2
150°	1038.5	1062.8	1087.2	1093.3	1135.9	1192.7	1221.1	1260.2	1338.4	1397.0	1405.7
152.5°	1064.2	1082.7	1101.0	1105.7	1144.2	1195.5	1221.1	1254.5	1321.3	1371.3	1377.8
155°	1102.4	1116.0	1129.7	1133.1	1162.5	1201.6	1221.1	1247.7	1300.8	1340.6	1345.0
157.5°	1130.6	1143.9	1157.2	1160.5	1180.7	1207.6	1221.1	1241.7	1283.1	1314.0	1317.1
160°	1149.7	1160.0	1170.4	1173.0	1189.1	1210.4	1221.1	1238.8	1274.2	1300.8	1302.6
162.5°	1168.8	1176.6	1184.2	1186.2	1197.8	1213.3	1221.1	1236.0	1265.9	1288.3	1290.0
165°	1189.6	1196.6	1203.5	1205.3	1210.6	1217.6	1221.1	1231.8	1253.1	1269.2	1271.0
167.5°	1208.6	1211.9	1215.3	1216.1	1220.6	1226.5	1229.4	1236.4	1250.4	1260.9	1261.6
170°	1221.1	1224.4	1227.8	1228.6	1228.9	1229.2	1229.4	1236.4	1250.4	1260.9	1260.9
172.5°	1227.7	1228.4	1229.2	1229.4	1229.4	1229.4	1229.4	1234.9	1246.0	1254.3	1253.7
175°	1236.9	1236.9	1236.9	1236.9	1234.4	1231.1	1229.4	1232.9	1239.9	1245.2	1245.2
177.5°	1236.9	1236.9	1236.9	1236.9	1234.9	1232.4	1231.1	1233.9	1239.4	1243.5	1242.8
180°	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9



TEST NUMBER: P934827

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7
2.5°	3835.3	3824.7	3835.3	3828.2	3831.7	3821.1	3789.3	3778.6	3789.3	3799.9	3799.9
5°	3881.3	3874.2	3881.3	3881.3	3877.7	3870.7	3835.3	3828.2	3835.3	3838.8	3831.7
7.5°	3895.4	3884.9	3895.4	3888.3	3888.3	3881.3	3845.9	3838.8	3842.4	3853.0	3842.4
10°	3895.4	3884.9	3895.4	3891.9	3888.3	3881.3	3845.9	3831.7	3831.7	3842.4	3831.7
12.5°	3877.7	3870.7	3877.7	3870.7	3870.7	3863.6	3828.2	3814.1	3817.6	3821.1	3807.0
15°	3849.4	3838.8	3849.4	3842.4	3845.9	3835.3	3796.4	3782.2	3782.2	3789.3	3764.5
17.5°	3807.0	3792.8	3807.0	3803.5	3799.9	3792.8	3757.5	3743.3	3739.7	3743.3	3725.6
20°	3757.5	3746.9	3757.5	3753.9	3753.9	3739.7	3704.4	3686.7	3686.7	3686.7	3669.0
22.5°	3679.6	3669.0	3679.6	3686.7	3686.7	3683.1	3651.3	3626.5	3619.5	3619.5	3598.2
25°	3591.2	3580.6	3591.2	3591.2	3587.6	3591.2	3580.6	3566.4	3555.8	3545.1	3524.0
27.5°	3506.2	3499.2	3506.2	3499.2	3506.2	3495.6	3492.1	3488.5	3474.4	3463.8	3435.5
30°	3421.3	3414.3	3421.3	3414.3	3407.2	3400.1	3382.4	3375.4	3389.5	3382.4	3336.4
32.5°	3315.2	3308.1	3315.2	3315.2	3308.1	3308.1	3279.8	3269.2	3272.7	3293.9	3251.5
35°	3205.5	3194.9	3205.5	3202.0	3205.5	3194.9	3177.2	3173.6	3159.5	3184.2	3152.5
37.5°	3078.1	3067.5	3078.1	3078.1	3078.1	3085.3	3071.1	3060.4	3039.2	3071.1	3046.3
40°	2947.3	2933.1	2947.3	2943.7	2947.3	2954.3	2947.3	2940.1	2919.0	2943.7	2922.4
42.5°	2798.6	2795.1	2798.6	2802.2	2802.2	2816.3	2826.9	2812.7	2805.7	2788.0	2802.2
45°	2639.4	2632.3	2639.4	2646.5	2650.0	2657.1	2688.9	2688.9	2678.3	2650.0	2671.3
47.5°	2469.6	2451.9	2469.6	2490.9	2490.9	2501.4	2533.3	2558.1	2540.3	2505.0	2515.6
50°	2289.1	2292.7	2289.1	2303.3	2303.3	2342.2	2367.0	2391.8	2409.4	2367.0	2317.4
52.5°	2112.2	2108.7	2112.2	2122.8	2137.0	2154.7	2197.2	2221.9	2250.2	2225.5	2147.6
55°	1935.3	1942.4	1935.3	1938.9	1945.9	1956.5	2020.3	2045.0	2098.1	2066.2	1984.8
57.5°	1758.5	1747.8	1758.5	1765.5	1769.1	1779.6	1832.7	1878.7	1910.6	1914.1	1815.1
60°	1553.2	1539.1	1553.2	1585.0	1592.2	1599.2	1648.8	1691.2	1719.5	1730.2	1627.5
62.5°	1372.8	1348.0	1372.8	1394.0	1408.2	1425.9	1461.2	1525.0	1549.7	1553.2	1408.2
65°	1181.7	1171.1	1181.7	1224.1	1227.7	1249.0	1287.9	1333.8	1387.0	1379.8	1171.1
67.5°	1008.4	1008.4	1008.4	1036.7	1057.8	1068.5	1118.0	1139.3	1206.5	1213.6	976.5
70°	849.1	845.6	849.1	870.4	884.5	909.3	955.3	980.0	1033.1	1050.8	792.6
72.5°	697.0	693.5	697.0	714.7	728.8	750.1	789.0	817.3	863.3	884.5	615.6
75°	562.5	555.5	562.5	576.7	573.2	601.4	633.3	661.6	704.1	718.2	456.4
77.5°	431.7	431.7	431.7	445.8	445.8	474.1	488.3	523.6	548.4	569.7	336.2
80°	322.0	318.4	322.0	325.5	325.5	339.6	364.5	389.2	410.4	410.4	229.9
82.5°	226.5	219.3	226.5	226.5	226.5	233.5	247.7	254.8	268.9	279.5	145.1
85°	141.5	141.5	141.5	145.1	141.5	148.6	152.1	159.2	159.2	152.1	88.5
87.5°	92.0	88.5	92.0	88.5	88.5	84.9	84.9	84.9	81.4	77.8	49.5
90°	31.5	31.5	31.5	31.5	31.5	42.0	56.1	63.1	54.3	36.5	23.2
92.5°	126.4	101.3	126.4	151.5	157.7	223.6	311.3	355.3	311.9	225.2	160.2
95°	440.4	364.5	440.4	516.4	535.4	703.1	926.7	1038.5	877.1	554.2	312.1
97.5°	1055.3	910.7	1055.3	1199.9	1236.0	1342.0	1483.3	1554.0	1284.8	746.6	342.9
100°	1520.4	1348.1	1520.4	1692.7	1735.8	1728.0	1717.7	1712.5	1413.8	816.6	368.6
102.5°	1978.0	1830.4	1978.0	2125.6	2162.5	2027.4	1847.4	1757.4	1454.4	848.6	394.3
105°	2561.4	2482.0	2561.4	2640.7	2660.5	2357.9	1954.2	1752.4	1459.1	872.4	432.5
107.5°	2943.5	2962.7	2943.5	2924.3	2919.5	2497.3	1934.3	1652.8	1394.2	876.9	489.0
110°	3089.2	3171.8	3089.2	3006.5	2985.9	2513.9	1884.5	1569.8	1336.6	870.2	520.5



TEST NUMBER: P934827

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3102.2	3229.1	3102.2	2975.3	2943.6	2460.5	1816.3	1494.2	1286.4	870.6	558.7
115°	3019.9	3195.9	3019.9	2844.0	2800.0	2334.6	1714.0	1403.7	1228.7	878.5	615.9
117.5°	2845.5	3040.7	2845.5	2650.4	2601.5	2181.5	1621.4	1341.4	1192.5	894.9	671.5
120°	2705.0	2894.6	2705.0	2515.3	2467.9	2084.1	1572.4	1316.5	1180.4	908.2	703.9
122.5°	2568.1	2755.2	2568.1	2381.1	2334.3	1988.7	1527.8	1297.4	1174.1	927.3	742.1
125°	2372.9	2545.1	2372.9	2200.6	2157.5	1863.9	1472.5	1276.7	1168.8	953.0	791.1
127.5°	2197.3	2342.6	2197.3	2051.9	2015.5	1763.5	1427.4	1259.3	1165.8	978.8	838.4
130°	2093.7	2228.1	2093.7	1959.4	1925.8	1701.4	1402.2	1252.6	1167.5	997.5	869.9
132.5°	1999.8	2120.2	1999.8	1879.6	1849.5	1648.6	1380.7	1246.8	1168.8	1012.7	895.7
135°	1871.2	1974.8	1871.2	1767.5	1741.6	1573.3	1349.0	1236.9	1167.7	1029.4	925.6
137.5°	1767.9	1852.8	1767.9	1683.1	1661.9	1519.7	1330.0	1235.2	1174.9	1054.3	963.8
140°	1697.1	1776.4	1697.1	1617.8	1598.0	1475.1	1311.3	1229.4	1176.1	1069.4	989.5
142.5°	1638.5	1706.7	1638.5	1570.2	1553.2	1445.2	1301.4	1229.4	1180.3	1082.2	1008.6
145°	1550.5	1602.1	1550.5	1498.9	1485.9	1397.7	1279.9	1221.1	1180.3	1098.8	1037.7
147.5°	1482.9	1525.8	1482.9	1440.2	1429.4	1360.0	1267.4	1221.1	1188.4	1123.2	1074.2
150°	1440.4	1475.1	1440.4	1405.7	1397.0	1338.4	1260.2	1221.1	1192.7	1135.9	1093.3
152.5°	1404.1	1430.2	1404.1	1377.8	1371.3	1321.3	1254.5	1221.1	1195.5	1144.2	1105.7
155°	1362.3	1379.6	1362.3	1345.0	1340.6	1300.8	1247.7	1221.1	1201.6	1162.5	1133.1
157.5°	1329.3	1341.4	1329.3	1317.1	1314.0	1283.1	1241.7	1221.1	1207.6	1180.7	1160.5
160°	1309.6	1316.5	1309.6	1302.6	1300.8	1274.2	1238.8	1221.1	1210.4	1189.1	1173.0
162.5°	1296.6	1303.3	1296.6	1290.0	1288.3	1265.9	1236.0	1221.1	1213.3	1197.8	1186.2
165°	1278.0	1285.0	1278.0	1271.0	1269.2	1253.1	1231.8	1221.1	1217.6	1210.6	1205.3
167.5°	1264.7	1267.6	1264.7	1261.6	1260.9	1250.4	1236.4	1229.4	1226.5	1220.6	1216.1
170°	1260.9	1260.9	1260.9	1260.9	1260.9	1250.4	1236.4	1229.4	1229.2	1228.9	1228.6
172.5°	1251.1	1248.5	1251.1	1253.7	1254.3	1246.0	1234.9	1229.4	1229.4	1229.4	1229.4
175°	1245.2	1245.2	1245.2	1245.2	1245.2	1239.9	1232.9	1229.4	1231.1	1234.4	1236.9
177.5°	1239.8	1236.9	1239.8	1242.8	1243.5	1239.4	1233.9	1231.1	1232.4	1234.9	1236.9
180°	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9



TEST NUMBER: P934827

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7
2.5°	3792.8	3771.6	3771.6	3736.2	3722.0	3711.4	3693.8	3640.7	3626.5	3612.3	3633.6
5°	3824.7	3785.8	3757.5	3693.8	3640.7	3619.5	3552.3	3424.9	3339.9	3276.3	3240.9
7.5°	3831.7	3782.2	3729.1	3630.1	3502.7	3446.1	3240.9	3007.4	2943.7	2887.1	2851.7
10°	3824.7	3768.1	3693.8	3545.1	3244.4	3145.3	2940.1	2788.0	2749.1	2738.5	2749.1
12.5°	3799.9	3746.9	3644.2	3396.6	2975.5	2908.3	2788.0	2699.6	2692.5	2710.2	2805.7
15°	3757.5	3707.9	3587.6	3198.4	2826.9	2777.4	2692.5	2660.6	2699.6	2823.4	3110.0
17.5°	3715.0	3658.4	3509.8	3003.8	2713.7	2678.3	2618.1	2681.9	2901.2	3067.5	3163.1
20°	3658.4	3591.2	3421.3	2862.3	2632.3	2600.5	2572.2	2858.8	3025.1	3085.3	3138.3
22.5°	3591.2	3520.4	3301.0	2763.3	2547.4	2522.6	2540.3	2957.9	3025.1	3067.5	3113.5
25°	3502.7	3442.6	3159.5	2685.4	2480.2	2451.9	2519.2	2947.3	2986.2	2996.8	3088.7
27.5°	3421.3	3343.5	3010.9	2614.7	2398.8	2388.2	2536.8	2901.2	2929.6	2940.1	3039.2
30°	3322.2	3205.5	2844.6	2540.3	2313.9	2310.4	2540.3	2844.6	2837.5	2865.8	2964.9
32.5°	3219.7	3000.3	2657.1	2448.4	2232.5	2229.0	2515.6	2759.7	2752.7	2791.6	2865.8
35°	3124.2	2841.1	2402.4	2342.2	2130.0	2133.5	2455.4	2660.6	2664.2	2699.6	2745.5
37.5°	3025.1	2703.1	2122.8	2225.5	2030.9	2030.9	2374.0	2568.7	2561.6	2572.2	2635.9
40°	2908.3	2487.3	1875.2	2073.3	1938.9	1928.2	2275.0	2469.6	2444.8	2441.3	2529.8
42.5°	2784.4	2250.2	1691.2	1871.6	1832.7	1818.5	2154.7	2349.3	2303.3	2313.9	2427.1
45°	2650.0	2186.6	1549.7	1581.5	1723.0	1712.4	2023.7	2211.3	2179.4	2207.8	2324.6
47.5°	2515.6	2059.2	1503.7	1312.6	1606.3	1602.8	1878.7	2076.9	2059.2	2087.5	2211.3
50°	2331.6	1917.6	1500.1	1125.1	1475.4	1489.5	1705.4	1945.9	1945.9	1970.7	2101.6
52.5°	2094.5	1744.3	1362.1	1018.9	1323.2	1365.7	1553.2	1832.7	1839.8	1864.6	1981.3
55°	1878.7	1563.9	1263.1	937.6	1142.8	1234.8	1404.6	1716.0	1730.2	1754.9	1861.0
57.5°	1680.6	1302.0	1241.9	842.1	976.5	1065.0	1273.7	1602.8	1609.8	1631.1	1733.6
60°	1468.3	941.1	1139.3	739.4	831.5	898.7	1153.4	1468.3	1493.1	1507.2	1595.6
62.5°	1227.7	682.9	1033.1	668.7	760.7	774.9	1054.4	1340.9	1372.8	1383.4	1436.5
65°	873.9	573.2	877.4	608.6	686.4	689.9	948.2	1210.0	1238.3	1256.0	1294.9
67.5°	590.8	467.0	668.7	551.9	629.7	633.3	845.6	1057.8	1096.8	1111.0	1135.8
70°	410.4	311.3	495.3	491.8	566.1	573.2	736.0	919.9	955.3	965.9	980.0
72.5°	300.7	251.2	410.4	442.3	498.9	505.9	622.7	764.3	799.6	810.2	817.3
75°	229.9	265.4	332.6	385.6	424.5	428.1	509.5	622.7	647.5	654.6	658.0
77.5°	184.0	247.7	244.1	311.3	346.7	339.6	399.8	481.2	502.4	502.4	502.4
80°	138.0	194.6	184.0	222.9	254.8	247.7	286.6	343.2	350.3	357.3	353.8
82.5°	102.6	123.8	123.8	141.5	169.9	162.7	191.0	222.9	222.9	222.9	229.9
85°	63.6	70.8	56.6	74.3	95.5	92.0	106.1	120.3	123.8	123.8	116.8
87.5°	38.9	31.9	17.7	28.3	42.5	42.5	49.5	53.1	49.5	49.5	49.5
90°	21.5	14.9	8.3	14.9	21.5	23.2	36.5	54.3	63.1	56.1	42.0
92.5°	146.1	89.6	33.2	89.6	146.1	160.2	225.2	311.9	355.3	311.3	223.6
95°	286.4	183.0	79.7	183.0	286.4	312.1	554.2	877.1	1038.5	926.7	703.1
97.5°	320.1	229.0	137.8	229.0	320.1	342.9	746.6	1284.8	1554.0	1483.3	1342.0
100°	347.9	265.3	182.6	265.3	347.9	368.6	816.6	1413.8	1712.5	1717.7	1728.0
102.5°	375.0	298.0	220.8	298.0	375.0	394.3	848.6	1454.4	1757.4	1847.4	2027.4
105°	416.1	350.9	285.5	350.9	416.1	432.5	872.4	1459.1	1752.4	1954.2	2357.9
107.5°	473.7	412.8	352.0	412.8	473.7	489.0	876.9	1394.2	1652.8	1934.3	2497.3
110°	506.7	451.8	396.8	451.8	506.7	520.5	870.2	1336.6	1569.8	1884.5	2513.9



TEST NUMBER: P934827

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	545.6	493.2	440.8	493.2	545.6	558.7	870.6	1286.4	1494.2	1816.3	2460.5
115°	603.9	555.5	507.2	555.5	603.9	615.9	878.5	1228.7	1403.7	1714.0	2334.6
117.5°	660.5	616.7	572.8	616.7	660.5	671.5	894.9	1192.5	1341.4	1621.4	2181.5
120°	693.6	652.3	611.0	652.3	693.6	703.9	908.2	1180.4	1316.5	1572.4	2084.1
122.5°	731.7	690.0	648.3	690.0	731.7	742.1	927.3	1174.1	1297.4	1527.8	1988.7
125°	781.7	743.6	705.6	743.6	781.7	791.1	953.0	1168.8	1276.7	1472.5	1863.9
127.5°	828.9	790.5	752.1	790.5	828.9	838.4	978.8	1165.8	1259.3	1427.4	1763.5
130°	859.6	818.4	777.0	818.4	859.6	869.9	997.5	1167.5	1252.6	1402.2	1701.4
132.5°	885.3	844.1	802.7	844.1	885.3	895.7	1012.7	1168.8	1246.8	1380.7	1648.6
135°	916.2	878.5	840.9	878.5	916.2	925.6	1029.4	1167.7	1236.9	1349.0	1573.3
137.5°	954.5	917.2	879.9	917.2	954.5	963.8	1054.3	1174.9	1235.2	1330.0	1519.7
140°	980.9	946.5	912.3	946.5	980.9	989.5	1069.4	1176.1	1229.4	1311.3	1475.1
142.5°	1000.6	968.9	937.2	968.9	1000.6	1008.6	1082.2	1180.3	1229.4	1301.4	1445.2
145°	1030.7	1003.0	975.4	1003.0	1030.7	1037.7	1098.8	1180.3	1221.1	1279.9	1397.7
147.5°	1067.5	1040.5	1013.6	1040.5	1067.5	1074.2	1123.2	1188.4	1221.1	1267.4	1360.0
150°	1087.2	1062.8	1038.5	1062.8	1087.2	1093.3	1135.9	1192.7	1221.1	1260.2	1338.4
152.5°	1101.0	1082.7	1064.2	1082.7	1101.0	1105.7	1144.2	1195.5	1221.1	1254.5	1321.3
155°	1129.7	1116.0	1102.4	1116.0	1129.7	1133.1	1162.5	1201.6	1221.1	1247.7	1300.8
157.5°	1157.2	1143.9	1130.6	1143.9	1157.2	1160.5	1180.7	1207.6	1221.1	1241.7	1283.1
160°	1170.4	1160.0	1149.7	1160.0	1170.4	1173.0	1189.1	1210.4	1221.1	1238.8	1274.2
162.5°	1184.2	1176.6	1168.8	1176.6	1184.2	1186.2	1197.8	1213.3	1221.1	1236.0	1265.9
165°	1203.5	1196.6	1189.6	1196.6	1203.5	1205.3	1210.6	1217.6	1221.1	1231.8	1253.1
167.5°	1215.3	1211.9	1208.6	1211.9	1215.3	1216.1	1220.6	1226.5	1229.4	1236.4	1250.4
170°	1227.8	1224.4	1221.1	1224.4	1227.8	1228.6	1228.9	1229.2	1229.4	1236.4	1250.4
172.5°	1229.2	1228.4	1227.7	1228.4	1229.2	1229.4	1229.4	1229.4	1229.4	1234.9	1246.0
175°	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1234.4	1231.1	1229.4	1232.9	1239.9
177.5°	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1234.9	1232.4	1231.1	1233.9	1239.4
180°	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9



TEST NUMBER: P934827

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7
2.5°	3608.9	3598.2	3612.3	3573.4	3612.3	3598.2	3608.9	3633.6	3612.3	3626.5	3640.7
5°	3166.6	3148.9	3092.3	3046.3	3092.3	3148.9	3166.6	3240.9	3276.3	3339.9	3424.9
7.5°	2830.5	2816.3	2802.2	2773.8	2802.2	2816.3	2830.5	2851.7	2887.1	2943.7	3007.4
10°	2756.1	2759.7	2781.0	2777.4	2781.0	2759.7	2756.1	2749.1	2738.5	2749.1	2788.0
12.5°	2947.3	2979.0	3095.8	3088.7	3095.8	2979.0	2947.3	2805.7	2710.2	2692.5	2699.6
15°	3166.6	3177.2	3202.0	3205.5	3202.0	3177.2	3166.6	3110.0	2823.4	2699.6	2660.6
17.5°	3187.8	3191.4	3209.1	3209.1	3209.1	3191.4	3187.8	3163.1	3067.5	2901.2	2681.9
20°	3170.1	3177.2	3212.5	3219.7	3212.5	3177.2	3170.1	3138.3	3085.3	3025.1	2858.8
22.5°	3163.1	3177.2	3205.5	3202.0	3205.5	3177.2	3163.1	3113.5	3067.5	3025.1	2957.9
25°	3127.7	3127.7	3131.2	3134.7	3131.2	3127.7	3127.7	3088.7	2996.8	2986.2	2947.3
27.5°	3053.4	3060.4	3081.7	3078.1	3081.7	3060.4	3053.4	3039.2	2940.1	2929.6	2901.2
30°	2986.2	2979.0	2961.4	2947.3	2961.4	2979.0	2986.2	2964.9	2865.8	2837.5	2844.6
32.5°	2872.9	2855.2	2837.5	2826.9	2837.5	2855.2	2872.9	2865.8	2791.6	2752.7	2759.7
35°	2738.5	2742.0	2738.5	2727.8	2738.5	2742.0	2738.5	2745.5	2699.6	2664.2	2660.6
37.5°	2643.0	2650.0	2646.5	2632.3	2646.5	2650.0	2643.0	2635.9	2572.2	2561.6	2568.7
40°	2543.9	2547.4	2543.9	2533.3	2543.9	2547.4	2543.9	2529.8	2441.3	2444.8	2469.6
42.5°	2448.4	2444.8	2434.2	2427.1	2434.2	2444.8	2448.4	2427.1	2313.9	2303.3	2349.3
45°	2338.7	2342.2	2321.0	2310.4	2321.0	2342.2	2338.7	2324.6	2207.8	2179.4	2211.3
47.5°	2229.0	2229.0	2211.3	2200.7	2211.3	2229.0	2229.0	2211.3	2087.5	2059.2	2076.9
50°	2112.2	2108.7	2083.9	2080.4	2083.9	2108.7	2112.2	2101.6	1970.7	1945.9	1945.9
52.5°	1977.8	1977.8	1981.3	1988.4	1981.3	1977.8	1977.8	1981.3	1864.6	1839.8	1832.7
55°	1861.0	1864.6	1889.3	1896.4	1889.3	1864.6	1861.0	1861.0	1754.9	1730.2	1716.0
57.5°	1740.7	1740.7	1758.5	1758.5	1758.5	1740.7	1740.7	1733.6	1631.1	1609.8	1602.8
60°	1602.8	1609.8	1623.9	1620.5	1623.9	1609.8	1602.8	1595.6	1507.2	1493.1	1468.3
62.5°	1457.6	1464.8	1468.3	1461.2	1468.3	1464.8	1457.6	1436.5	1383.4	1372.8	1340.9
65°	1305.5	1312.6	1316.2	1309.1	1316.2	1312.6	1305.5	1294.9	1256.0	1238.3	1210.0
67.5°	1149.9	1146.3	1142.8	1156.9	1142.8	1146.3	1149.9	1135.8	1111.0	1096.8	1057.8
70°	990.6	990.6	987.1	994.2	987.1	990.6	990.6	980.0	965.9	955.3	919.9
72.5°	820.9	817.3	831.5	820.9	831.5	817.3	820.9	817.3	810.2	799.6	764.3
75°	654.6	661.6	654.6	665.2	654.6	661.6	654.6	658.0	654.6	647.5	622.7
77.5°	498.9	505.9	498.9	498.9	498.9	505.9	498.9	502.4	502.4	502.4	481.2
80°	353.8	350.3	350.3	346.7	350.3	350.3	353.8	353.8	357.3	350.3	343.2
82.5°	226.5	222.9	222.9	229.9	222.9	222.9	226.5	229.9	222.9	222.9	222.9
85°	123.8	127.4	120.3	120.3	120.3	127.4	123.8	116.8	123.8	123.8	120.3
87.5°	46.0	42.5	42.5	42.5	42.5	42.5	46.0	49.5	49.5	49.5	53.1
90°	31.5	31.5	31.5	31.5	31.5	31.5	31.5	42.0	56.1	63.1	54.3
92.5°	157.7	151.5	126.4	101.3	126.4	151.5	157.7	223.6	311.3	355.3	311.9
95°	535.4	516.4	440.4	364.5	440.4	516.4	535.4	703.1	926.7	1038.5	877.1
97.5°	1236.0	1199.9	1055.3	910.7	1055.3	1199.9	1236.0	1342.0	1483.3	1554.0	1284.8
100°	1735.8	1692.7	1520.4	1348.1	1520.4	1692.7	1735.8	1728.0	1717.7	1712.5	1413.8
102.5°	2162.5	2125.6	1978.0	1830.4	1978.0	2125.6	2162.5	2027.4	1847.4	1757.4	1454.4
105°	2660.5	2640.7	2561.4	2482.0	2561.4	2640.7	2660.5	2357.9	1954.2	1752.4	1459.1
107.5°	2919.5	2924.3	2943.5	2962.7	2943.5	2924.3	2919.5	2497.3	1934.3	1652.8	1394.2
110°	2985.9	3006.5	3089.2	3171.8	3089.2	3006.5	2985.9	2513.9	1884.5	1569.8	1336.6



TEST NUMBER: P934827

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2943.6	2975.3	3102.2	3229.1	3102.2	2975.3	2943.6	2460.5	1816.3	1494.2	1286.4
115°	2800.0	2844.0	3019.9	3195.9	3019.9	2844.0	2800.0	2334.6	1714.0	1403.7	1228.7
117.5°	2601.5	2650.4	2845.5	3040.7	2845.5	2650.4	2601.5	2181.5	1621.4	1341.4	1192.5
120°	2467.9	2515.3	2705.0	2894.6	2705.0	2515.3	2467.9	2084.1	1572.4	1316.5	1180.4
122.5°	2334.3	2381.1	2568.1	2755.2	2568.1	2381.1	2334.3	1988.7	1527.8	1297.4	1174.1
125°	2157.5	2200.6	2372.9	2545.1	2372.9	2200.6	2157.5	1863.9	1472.5	1276.7	1168.8
127.5°	2015.5	2051.9	2197.3	2342.6	2197.3	2051.9	2015.5	1763.5	1427.4	1259.3	1165.8
130°	1925.8	1959.4	2093.7	2228.1	2093.7	1959.4	1925.8	1701.4	1402.2	1252.6	1167.5
132.5°	1849.5	1879.6	1999.8	2120.2	1999.8	1879.6	1849.5	1648.6	1380.7	1246.8	1168.8
135°	1741.6	1767.5	1871.2	1974.8	1871.2	1767.5	1741.6	1573.3	1349.0	1236.9	1167.7
137.5°	1661.9	1683.1	1767.9	1852.8	1767.9	1683.1	1661.9	1519.7	1330.0	1235.2	1174.9
140°	1598.0	1617.8	1697.1	1776.4	1697.1	1617.8	1598.0	1475.1	1311.3	1229.4	1176.1
142.5°	1553.2	1570.2	1638.5	1706.7	1638.5	1570.2	1553.2	1445.2	1301.4	1229.4	1180.3
145°	1485.9	1498.9	1550.5	1602.1	1550.5	1498.9	1485.9	1397.7	1279.9	1221.1	1180.3
147.5°	1429.4	1440.2	1482.9	1525.8	1482.9	1440.2	1429.4	1360.0	1267.4	1221.1	1188.4
150°	1397.0	1405.7	1440.4	1475.1	1440.4	1405.7	1397.0	1338.4	1260.2	1221.1	1192.7
152.5°	1371.3	1377.8	1404.1	1430.2	1404.1	1377.8	1371.3	1321.3	1254.5	1221.1	1195.5
155°	1340.6	1345.0	1362.3	1379.6	1362.3	1345.0	1340.6	1300.8	1247.7	1221.1	1201.6
157.5°	1314.0	1317.1	1329.3	1341.4	1329.3	1317.1	1314.0	1283.1	1241.7	1221.1	1207.6
160°	1300.8	1302.6	1309.6	1316.5	1309.6	1302.6	1300.8	1274.2	1238.8	1221.1	1210.4
162.5°	1288.3	1290.0	1296.6	1303.3	1296.6	1290.0	1288.3	1265.9	1236.0	1221.1	1213.3
165°	1269.2	1271.0	1278.0	1285.0	1278.0	1271.0	1269.2	1253.1	1231.8	1221.1	1217.6
167.5°	1260.9	1261.6	1264.7	1267.6	1264.7	1261.6	1260.9	1250.4	1236.4	1229.4	1226.5
170°	1260.9	1260.9	1260.9	1260.9	1260.9	1260.9	1260.9	1250.4	1236.4	1229.4	1229.2
172.5°	1254.3	1253.7	1251.1	1248.5	1251.1	1253.7	1254.3	1246.0	1234.9	1229.4	1229.4
175°	1245.2	1245.2	1245.2	1245.2	1245.2	1245.2	1245.2	1239.9	1232.9	1229.4	1231.1
177.5°	1243.5	1242.8	1239.8	1236.9	1239.8	1242.8	1243.5	1239.4	1233.9	1231.1	1232.4
180°	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9



TEST NUMBER: P934827

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3739.7	3739.7	3739.7	3739.7	3739.7
2.5°	3693.8	3711.4	3722.0	3736.2	3771.6
5°	3552.3	3619.5	3640.7	3693.8	3757.5
7.5°	3240.9	3446.1	3502.7	3630.1	3729.1
10°	2940.1	3145.3	3244.4	3545.1	3693.8
12.5°	2788.0	2908.3	2975.5	3396.6	3644.2
15°	2692.5	2777.4	2826.9	3198.4	3587.6
17.5°	2618.1	2678.3	2713.7	3003.8	3509.8
20°	2572.2	2600.5	2632.3	2862.3	3421.3
22.5°	2540.3	2522.6	2547.4	2763.3	3301.0
25°	2519.2	2451.9	2480.2	2685.4	3159.5
27.5°	2536.8	2388.2	2398.8	2614.7	3010.9
30°	2540.3	2310.4	2313.9	2540.3	2844.6
32.5°	2515.6	2229.0	2232.5	2448.4	2657.1
35°	2455.4	2133.5	2130.0	2342.2	2402.4
37.5°	2374.0	2030.9	2030.9	2225.5	2122.8
40°	2275.0	1928.2	1938.9	2073.3	1875.2
42.5°	2154.7	1818.5	1832.7	1871.6	1691.2
45°	2023.7	1712.4	1723.0	1581.5	1549.7
47.5°	1878.7	1602.8	1606.3	1312.6	1503.7
50°	1705.4	1489.5	1475.4	1125.1	1500.1
52.5°	1553.2	1365.7	1323.2	1018.9	1362.1
55°	1404.6	1234.8	1142.8	937.6	1263.1
57.5°	1273.7	1065.0	976.5	842.1	1241.9
60°	1153.4	898.7	831.5	739.4	1139.3
62.5°	1054.4	774.9	760.7	668.7	1033.1
65°	948.2	689.9	686.4	608.6	877.4
67.5°	845.6	633.3	629.7	551.9	668.7
70°	736.0	573.2	566.1	491.8	495.3
72.5°	622.7	505.9	498.9	442.3	410.4
75°	509.5	428.1	424.5	385.6	332.6
77.5°	399.8	339.6	346.7	311.3	244.1
80°	286.6	247.7	254.8	222.9	184.0
82.5°	191.0	162.7	169.9	141.5	123.8
85°	106.1	92.0	95.5	74.3	56.6
87.5°	49.5	42.5	42.5	28.3	17.7
90°	36.5	23.2	21.5	14.9	8.3
92.5°	225.2	160.2	146.1	89.6	33.2
95°	554.2	312.1	286.4	183.0	79.7
97.5°	746.6	342.9	320.1	229.0	137.8
100°	816.6	368.6	347.9	265.3	182.6
102.5°	848.6	394.3	375.0	298.0	220.8
105°	872.4	432.5	416.1	350.9	285.5
107.5°	876.9	489.0	473.7	412.8	352.0
110°	870.2	520.5	506.7	451.8	396.8



TEST NUMBER: P934827

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	870.6	558.7	545.6	493.2	440.8
115°	878.5	615.9	603.9	555.5	507.2
117.5°	894.9	671.5	660.5	616.7	572.8
120°	908.2	703.9	693.6	652.3	611.0
122.5°	927.3	742.1	731.7	690.0	648.3
125°	953.0	791.1	781.7	743.6	705.6
127.5°	978.8	838.4	828.9	790.5	752.1
130°	997.5	869.9	859.6	818.4	777.0
132.5°	1012.7	895.7	885.3	844.1	802.7
135°	1029.4	925.6	916.2	878.5	840.9
137.5°	1054.3	963.8	954.5	917.2	879.9
140°	1069.4	989.5	980.9	946.5	912.3
142.5°	1082.2	1008.6	1000.6	968.9	937.2
145°	1098.8	1037.7	1030.7	1003.0	975.4
147.5°	1123.2	1074.2	1067.5	1040.5	1013.6
150°	1135.9	1093.3	1087.2	1062.8	1038.5
152.5°	1144.2	1105.7	1101.0	1082.7	1064.2
155°	1162.5	1133.1	1129.7	1116.0	1102.4
157.5°	1180.7	1160.5	1157.2	1143.9	1130.6
160°	1189.1	1173.0	1170.4	1160.0	1149.7
162.5°	1197.8	1186.2	1184.2	1176.6	1168.8
165°	1210.6	1205.3	1203.5	1196.6	1189.6
167.5°	1220.6	1216.1	1215.3	1211.9	1208.6
170°	1228.9	1228.6	1227.8	1224.4	1221.1
172.5°	1229.4	1229.4	1229.2	1228.4	1227.7
175°	1234.4	1236.9	1236.9	1236.9	1236.9
177.5°	1234.9	1236.9	1236.9	1236.9	1236.9
180°	1236.9	1236.9	1236.9	1236.9	1236.9



TEST NUMBER: P934827
 CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-3500K

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	13.75	14.65	14.66	15.59	16.79	16.60	17.50	17.51	18.44	19.64
	3H	14.23	15.04	15.15	15.98	17.21	17.95	18.76	18.88	19.71	20.93
	4H	14.42	15.19	15.36	16.14	17.37	18.40	19.17	19.35	20.12	21.35
	6H	14.54	15.25	15.49	16.20	17.45	18.70	19.40	19.65	20.36	21.61
	8H	14.54	15.22	15.50	16.19	17.43	18.77	19.45	19.74	20.42	21.67
	12H	14.52	15.16	15.48	16.12	17.39	18.82	19.46	19.78	20.42	21.69
4H	2H	14.79	15.56	15.74	16.50	17.74	17.01	17.78	17.96	18.73	19.96
	3H	15.82	16.46	16.78	17.44	18.69	18.53	19.17	19.48	20.15	21.39
	4H	16.10	16.68	17.07	17.65	18.93	19.06	19.65	20.03	20.62	21.89
	6H	16.23	16.73	17.21	17.72	19.00	19.44	19.94	20.42	20.93	22.21
	8H	16.23	16.70	17.21	17.69	18.98	19.55	20.02	20.53	21.01	22.29
	12H	16.20	16.63	17.20	17.63	18.92	19.61	20.03	20.61	21.04	22.33
8H	4H	16.56	17.03	17.54	18.02	19.31	19.19	19.66	20.17	20.65	21.94
	6H	16.82	17.21	17.83	18.24	19.53	19.63	20.02	20.64	21.05	22.34
	8H	16.87	17.21	17.88	18.23	19.53	19.79	20.13	20.80	21.15	22.45
	12H	16.85	17.15	17.87	18.17	19.51	19.89	20.20	20.91	21.21	22.56
12H	4H	16.57	16.99	17.57	18.00	19.29	19.16	19.58	20.16	20.59	21.88
	6H	16.88	17.23	17.90	18.25	19.55	19.63	19.97	20.65	20.99	22.30
	8H	16.95	17.25	17.97	18.27	19.62	19.80	20.10	20.82	21.11	22.46