

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: P934828

Luminaire Tested: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934828
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-12-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

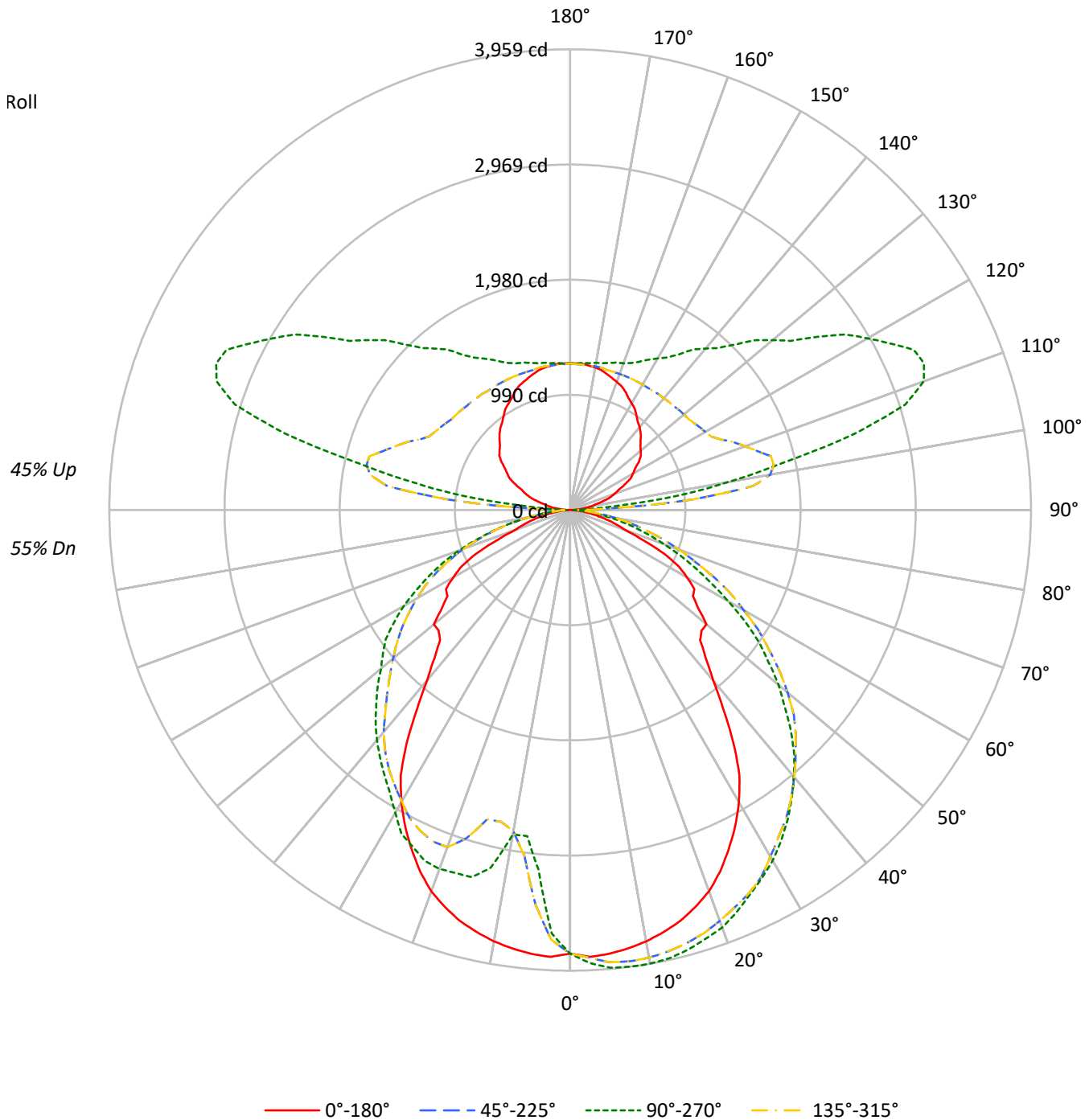
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18057.2 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 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: P934828
CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-4000K

Luminous Intensity Polar Plot





TEST NUMBER: P934828

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-4000K

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	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°	11788	11788	11788	11788
5°	11880	11899	11880	9357
10°	11805	11721	11805	8380
15°	11681	11467	11681	9576
20°	11441	11167	11441	9596
25°	10946	10728	10946	9392
30°	10304	10364	10304	8946
35°	9191	9903	9191	8455
40°	7663	9360	7663	8084
45°	6851	8725	6851	7658
50°	7284	7968	7284	7231
55°	6859	7152	6859	6983
60°	7080	6074	7080	6396
65°	6430	5021	6430	5613
70°	4463	4002	4463	4705
75°	3928	2958	3928	3543
80°	3189	1956	3189	2129
85°	1870	1036	1870	881

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10493 cd/sqm



TEST NUMBER: P934828

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.0	1.9
10°-20°	976.8	5.4
20°-30°	1509.9	8.4
30°-40°	1802.5	10.0
40°-50°	1813.0	10.0
50°-60°	1577.6	8.7
60°-70°	1118.5	6.2
70°-80°	591.8	3.3
80°-90°	152.2	0.8
90°-100°	614.4	3.4
100°-110°	1615.3	8.9
110°-120°	1674.9	9.3
120°-130°	1343.5	7.4
130°-140°	1054.2	5.8
140°-150°	809.1	4.5
150°-160°	582.7	3.2
160°-170°	356.5	2.0
170°-180°	120.5	0.7
0°-30°	2830.7	15.7
0°-40°	4633.1	25.7
0°-60°	8023.7	44.4
0°-90°	9886.2	54.7
90°-120°	3904.6	21.6
90°-150°	7111.4	39.4
90°-180°	8171.0	45.3
0°-180°	18057.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3811	3811	3811	3811	3811	
5°	3829	3948	3829	3104	3829	363
15°	3656	3912	3656	3267	3656	1029
25°	3220	3649	3220	3194	3220	1478
35°	2448	3256	2448	2780	2448	1515
45°	1579	2682	1579	2354	1579	1265
55°	1287	1980	1287	1932	1287	1183
65°	894	1193	894	1334	894	855
75°	339	566	339	678	339	356
85°	58	144	58	123	58	78
90°	8	32	8	32	8	9
95°	81	371	81	371	81	90
105°	291	2529	291	2529	291	308
115°	517	3257	517	3257	517	510
125°	719	2594	719	2594	719	638
135°	857	2012	857	2012	857	663
145°	994	1633	994	1633	994	623
155°	1123	1406	1123	1406	1123	516
165°	1212	1310	1212	1310	1212	342
175°	1260	1269	1260	1269	1260	120
180°	1260	1260	1260	1260	1260	



TEST NUMBER: P934828

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0
2.5°	3843.5	3843.5	3865.1	3872.3	3872.3	3861.5	3850.7	3861.5	3894.0	3904.8	3901.2
5°	3829.1	3858.0	3897.6	3904.8	3912.0	3908.4	3901.2	3908.4	3944.5	3951.6	3955.3
7.5°	3800.2	3854.3	3904.8	3915.6	3926.4	3915.6	3912.0	3919.3	3955.3	3962.5	3962.5
10°	3764.2	3839.9	3897.6	3904.8	3915.6	3904.8	3904.8	3919.3	3955.3	3962.5	3966.1
12.5°	3713.7	3818.3	3872.3	3879.6	3894.0	3890.3	3886.8	3901.2	3937.3	3944.5	3944.5
15°	3656.0	3778.6	3829.1	3836.3	3861.5	3854.3	3854.3	3868.8	3908.4	3919.3	3915.6
17.5°	3576.7	3728.1	3785.8	3796.6	3814.7	3811.0	3814.7	3829.1	3865.1	3872.3	3876.0
20°	3486.5	3659.7	3728.1	3739.0	3757.0	3757.0	3757.0	3775.0	3811.0	3825.5	3825.5
22.5°	3363.9	3587.5	3659.7	3666.8	3688.5	3688.5	3695.7	3720.9	3753.3	3757.0	3757.0
25°	3219.8	3508.2	3569.5	3591.2	3612.7	3623.5	3634.4	3648.8	3659.7	3656.0	3659.7
27.5°	3068.3	3407.2	3486.5	3501.0	3529.8	3540.7	3555.0	3558.7	3562.2	3573.1	3565.9
30°	2898.8	3266.6	3385.6	3400.0	3446.9	3454.1	3439.7	3446.9	3464.9	3472.2	3479.4
32.5°	2707.7	3057.5	3281.1	3313.4	3356.7	3335.1	3331.5	3342.4	3371.2	3371.2	3378.4
35°	2448.2	2895.3	3183.7	3212.6	3244.9	3219.8	3234.1	3237.8	3255.8	3266.6	3263.0
37.5°	2163.3	2754.7	3082.8	3104.4	3129.6	3097.1	3118.8	3129.6	3144.1	3136.8	3136.8
40°	1911.0	2534.7	2963.8	2978.2	2999.8	2974.6	2996.2	3003.4	3010.6	3003.4	2999.8
42.5°	1723.5	2293.1	2837.5	2855.6	2841.2	2859.2	2866.4	2880.8	2870.0	2855.6	2855.6
45°	1579.2	2228.2	2700.5	2722.2	2700.5	2729.4	2740.2	2740.2	2707.7	2700.5	2697.0
47.5°	1532.4	2098.4	2563.5	2563.5	2552.7	2588.7	2606.8	2581.5	2549.1	2538.3	2538.3
50°	1528.7	1954.2	2376.1	2361.6	2412.1	2455.4	2437.4	2412.1	2386.9	2347.2	2347.2
52.5°	1388.1	1777.5	2134.5	2188.6	2267.9	2293.1	2264.3	2239.1	2195.8	2177.8	2163.3
55°	1287.1	1593.7	1914.5	2022.7	2105.6	2138.1	2084.0	2058.8	1993.8	1983.0	1975.8
57.5°	1265.6	1326.8	1712.7	1849.7	1950.6	1947.0	1914.5	1867.7	1813.5	1802.8	1799.2
60°	1161.0	959.0	1496.3	1658.5	1763.1	1752.3	1723.5	1680.2	1629.7	1622.5	1615.2
62.5°	1052.8	695.9	1251.1	1435.0	1582.9	1579.2	1554.0	1489.1	1453.1	1435.0	1420.6
65°	894.2	584.1	890.5	1193.4	1406.1	1413.4	1359.3	1312.4	1272.8	1251.1	1247.5
67.5°	681.4	475.9	602.1	995.1	1236.7	1229.5	1161.0	1139.3	1088.8	1078.0	1056.5
70°	504.8	317.3	418.3	807.7	1070.8	1052.8	998.7	973.5	926.6	901.4	887.0
72.5°	418.3	256.0	306.5	627.4	901.4	879.7	832.9	804.0	764.4	742.7	728.3
75°	338.9	270.4	234.3	465.1	731.9	717.5	674.2	645.4	612.9	584.1	587.7
77.5°	248.8	252.4	187.5	342.6	580.5	558.9	533.6	497.6	483.1	454.3	454.3
80°	187.5	198.3	140.6	234.3	418.3	418.3	396.6	371.4	346.1	331.7	331.7
82.5°	126.2	126.2	104.5	147.8	284.8	274.0	259.6	252.4	238.0	230.8	230.8
85°	57.7	72.1	64.9	90.1	155.0	162.3	162.3	155.0	151.5	144.2	147.8
87.5°	18.0	32.5	39.7	50.5	79.3	83.0	86.5	86.5	86.5	90.1	90.1
90°	8.5	15.2	21.9	23.7	37.2	55.3	64.3	57.1	42.8	32.1	32.1
92.5°	33.8	91.3	148.9	163.3	229.5	317.8	362.0	317.3	227.9	160.7	154.4
95°	81.2	186.5	291.8	318.1	564.8	893.8	1058.3	944.4	716.5	545.6	526.2
97.5°	140.4	233.3	326.2	349.4	760.8	1309.3	1583.6	1511.5	1367.5	1259.6	1222.7
100°	186.1	270.3	354.6	375.6	832.1	1440.8	1745.1	1750.4	1761.0	1768.9	1724.9
102.5°	225.0	303.6	382.1	401.8	864.8	1482.2	1790.9	1882.6	2066.1	2203.7	2166.1
105°	291.0	357.6	424.1	440.7	889.1	1486.9	1785.8	1991.5	2402.8	2711.3	2691.1
107.5°	358.7	420.7	482.7	498.3	893.6	1420.8	1684.3	1971.2	2544.9	2975.1	2980.1
110°	404.3	460.4	516.4	530.4	886.8	1362.1	1599.7	1920.4	2561.8	3042.8	3063.8



TEST NUMBER: P934828

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	449.2	502.6	556.0	569.3	887.2	1310.9	1522.7	1850.9	2507.4	2999.7	3032.0
115°	516.9	566.1	615.4	627.6	895.3	1252.1	1430.5	1746.7	2379.1	2853.3	2898.2
117.5°	583.7	628.5	673.1	684.3	911.9	1215.3	1367.0	1652.4	2223.1	2651.1	2700.9
120°	622.6	664.8	706.8	717.3	925.5	1202.9	1341.6	1602.3	2123.8	2515.0	2563.3
122.5°	660.7	703.1	745.6	756.3	944.9	1196.4	1322.2	1556.9	2026.6	2378.8	2426.5
125°	719.1	757.8	796.6	806.2	971.1	1191.1	1301.1	1500.5	1899.4	2198.6	2242.5
127.5°	766.5	805.6	844.7	854.4	997.4	1188.0	1283.3	1454.6	1797.1	2054.0	2091.0
130°	791.8	834.0	876.0	886.5	1016.5	1189.8	1276.5	1428.9	1733.9	1962.5	1996.7
132.5°	818.0	860.2	902.2	912.7	1032.0	1191.1	1270.6	1407.0	1680.0	1884.8	1915.4
135°	857.0	895.3	933.7	943.2	1049.0	1190.0	1260.5	1374.7	1603.3	1774.8	1801.2
137.5°	896.7	934.7	972.7	982.1	1074.4	1197.3	1258.8	1355.4	1548.7	1693.6	1715.2
140°	929.6	964.6	999.6	1008.3	1089.8	1198.5	1252.8	1336.3	1503.3	1628.4	1648.6
142.5°	955.0	987.4	1019.7	1027.8	1102.8	1202.8	1252.8	1326.2	1472.8	1582.8	1600.1
145°	994.0	1022.2	1050.4	1057.5	1119.8	1202.8	1244.4	1304.3	1424.3	1514.3	1527.5
147.5°	1032.9	1060.4	1087.8	1094.7	1144.6	1211.1	1244.4	1291.6	1385.9	1456.7	1467.6
150°	1058.3	1083.1	1107.9	1114.1	1157.5	1215.5	1244.4	1284.2	1363.9	1423.7	1432.5
152.5°	1084.5	1103.3	1122.0	1126.8	1166.0	1218.3	1244.4	1278.4	1346.4	1397.5	1404.1
155°	1123.4	1137.3	1151.2	1154.7	1184.6	1224.5	1244.4	1271.5	1325.6	1366.2	1370.6
157.5°	1152.1	1165.7	1179.3	1182.6	1203.2	1230.6	1244.4	1265.4	1307.5	1339.1	1342.2
160°	1171.6	1182.2	1192.7	1195.4	1211.7	1233.5	1244.4	1262.4	1298.5	1325.6	1327.4
162.5°	1191.1	1199.0	1206.8	1208.8	1220.6	1236.5	1244.4	1259.6	1290.0	1312.9	1314.6
165°	1212.3	1219.4	1226.5	1228.3	1233.6	1240.8	1244.4	1255.3	1277.0	1293.4	1295.2
167.5°	1231.6	1235.0	1238.5	1239.3	1243.8	1249.8	1252.8	1259.9	1274.2	1285.0	1285.7
170°	1244.4	1247.7	1251.2	1252.0	1252.3	1252.7	1252.8	1259.9	1274.2	1285.0	1285.0
172.5°	1251.1	1251.8	1252.7	1252.8	1252.8	1252.8	1252.8	1258.5	1269.8	1278.2	1277.6
175°	1260.5	1260.5	1260.5	1260.5	1257.9	1254.6	1252.8	1256.4	1263.6	1268.9	1268.9
177.5°	1260.5	1260.5	1260.5	1260.5	1258.5	1255.8	1254.6	1257.4	1263.0	1267.2	1266.5
180°	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5



TEST NUMBER: P934828

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0
2.5°	3908.4	3897.6	3908.4	3901.2	3904.8	3894.0	3861.5	3850.7	3861.5	3872.3	3872.3
5°	3955.3	3948.1	3955.3	3955.3	3951.6	3944.5	3908.4	3901.2	3908.4	3912.0	3904.8
7.5°	3969.7	3958.9	3969.7	3962.5	3962.5	3955.3	3919.3	3912.0	3915.6	3926.4	3915.6
10°	3969.7	3958.9	3969.7	3966.1	3962.5	3955.3	3919.3	3904.8	3904.8	3915.6	3904.8
12.5°	3951.6	3944.5	3951.6	3944.5	3944.5	3937.3	3901.2	3886.8	3890.3	3894.0	3879.6
15°	3922.8	3912.0	3922.8	3915.6	3919.3	3908.4	3868.8	3854.3	3854.3	3861.5	3836.3
17.5°	3879.6	3865.1	3879.6	3876.0	3872.3	3865.1	3829.1	3814.7	3811.0	3814.7	3796.6
20°	3829.1	3818.3	3829.1	3825.5	3825.5	3811.0	3775.0	3757.0	3757.0	3757.0	3739.0
22.5°	3749.8	3739.0	3749.8	3757.0	3757.0	3753.3	3720.9	3695.7	3688.5	3688.5	3666.8
25°	3659.7	3648.8	3659.7	3659.7	3656.0	3659.7	3648.8	3634.4	3623.5	3612.7	3591.2
27.5°	3573.1	3565.9	3573.1	3565.9	3573.1	3562.2	3558.7	3555.0	3540.7	3529.8	3501.0
30°	3486.5	3479.4	3486.5	3479.4	3472.2	3464.9	3446.9	3439.7	3454.1	3446.9	3400.0
32.5°	3378.4	3371.2	3378.4	3378.4	3371.2	3371.2	3342.4	3331.5	3335.1	3356.7	3313.4
35°	3266.6	3255.8	3266.6	3263.0	3266.6	3255.8	3237.8	3234.1	3219.8	3244.9	3212.6
37.5°	3136.8	3126.0	3136.8	3136.8	3136.8	3144.1	3129.6	3118.8	3097.1	3129.6	3104.4
40°	3003.4	2989.0	3003.4	2999.8	3003.4	3010.6	3003.4	2996.2	2974.6	2999.8	2978.2
42.5°	2852.0	2848.3	2852.0	2855.6	2855.6	2870.0	2880.8	2866.4	2859.2	2841.2	2855.6
45°	2689.7	2682.5	2689.7	2697.0	2700.5	2707.7	2740.2	2740.2	2729.4	2700.5	2722.2
47.5°	2516.7	2498.7	2516.7	2538.3	2538.3	2549.1	2581.5	2606.8	2588.7	2552.7	2563.5
50°	2332.8	2336.4	2332.8	2347.2	2347.2	2386.9	2412.1	2437.4	2455.4	2412.1	2361.6
52.5°	2152.5	2148.9	2152.5	2163.3	2177.8	2195.8	2239.1	2264.3	2293.1	2267.9	2188.6
55°	1972.2	1979.5	1972.2	1975.8	1983.0	1993.8	2058.8	2084.0	2138.1	2105.6	2022.7
57.5°	1792.0	1781.2	1792.0	1799.2	1802.8	1813.5	1867.7	1914.5	1947.0	1950.6	1849.7
60°	1582.9	1568.4	1582.9	1615.2	1622.5	1629.7	1680.2	1723.5	1752.3	1763.1	1658.5
62.5°	1398.9	1373.7	1398.9	1420.6	1435.0	1453.1	1489.1	1554.0	1579.2	1582.9	1435.0
65°	1204.3	1193.4	1204.3	1247.5	1251.1	1272.8	1312.4	1359.3	1413.4	1406.1	1193.4
67.5°	1027.6	1027.6	1027.6	1056.5	1078.0	1088.8	1139.3	1161.0	1229.5	1236.7	995.1
70°	865.3	861.7	865.3	887.0	901.4	926.6	973.5	998.7	1052.8	1070.8	807.7
72.5°	710.3	706.7	710.3	728.3	742.7	764.4	804.0	832.9	879.7	901.4	627.4
75°	573.3	566.1	573.3	587.7	584.1	612.9	645.4	674.2	717.5	731.9	465.1
77.5°	439.9	439.9	439.9	454.3	454.3	483.1	497.6	533.6	558.9	580.5	342.6
80°	328.1	324.5	328.1	331.7	331.7	346.1	371.4	396.6	418.3	418.3	234.3
82.5°	230.8	223.5	230.8	230.8	230.8	238.0	252.4	259.6	274.0	284.8	147.8
85°	144.2	144.2	144.2	147.8	144.2	151.5	155.0	162.3	162.3	155.0	90.1
87.5°	93.8	90.1	93.8	90.1	90.1	86.5	86.5	86.5	83.0	79.3	50.5
90°	32.1	32.1	32.1	32.1	32.1	42.8	57.1	64.3	55.3	37.2	23.7
92.5°	128.8	103.2	128.8	154.4	160.7	227.9	317.3	362.0	317.8	229.5	163.3
95°	448.8	371.4	448.8	526.2	545.6	716.5	944.4	1058.3	893.8	564.8	318.1
97.5°	1075.4	928.0	1075.4	1222.7	1259.6	1367.5	1511.5	1583.6	1309.3	760.8	349.4
100°	1549.4	1373.8	1549.4	1724.9	1768.9	1761.0	1750.4	1745.1	1440.8	832.1	375.6
102.5°	2015.7	1865.3	2015.7	2166.1	2203.7	2066.1	1882.6	1790.9	1482.2	864.8	401.8
105°	2610.2	2529.3	2610.2	2691.1	2711.3	2402.8	1991.5	1785.8	1486.9	889.1	440.7
107.5°	2999.6	3019.2	2999.6	2980.1	2975.1	2544.9	1971.2	1684.3	1420.8	893.6	498.3
110°	3148.1	3232.3	3148.1	3063.8	3042.8	2561.8	1920.4	1599.7	1362.1	886.8	530.4



TEST NUMBER: P934828

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3161.4	3290.7	3161.4	3032.0	2999.7	2507.4	1850.9	1522.7	1310.9	887.2	569.3
115°	3077.5	3256.9	3077.5	2898.2	2853.3	2379.1	1746.7	1430.5	1252.1	895.3	627.6
117.5°	2899.7	3098.7	2899.7	2700.9	2651.1	2223.1	1652.4	1367.0	1215.3	911.9	684.3
120°	2756.6	2949.8	2756.6	2563.3	2515.0	2123.8	1602.3	1341.6	1202.9	925.5	717.3
122.5°	2617.0	2807.7	2617.0	2426.5	2378.8	2026.6	1556.9	1322.2	1196.4	944.9	756.3
125°	2418.1	2593.6	2418.1	2242.5	2198.6	1899.4	1500.5	1301.1	1191.1	971.1	806.2
127.5°	2239.2	2387.3	2239.2	2091.0	2054.0	1797.1	1454.6	1283.3	1188.0	997.4	854.4
130°	2133.6	2270.5	2133.6	1996.7	1962.5	1733.9	1428.9	1276.5	1189.8	1016.5	886.5
132.5°	2038.0	2160.6	2038.0	1915.4	1884.8	1680.0	1407.0	1270.6	1191.1	1032.0	912.7
135°	1906.9	2012.5	1906.9	1801.2	1774.8	1603.3	1374.7	1260.5	1190.0	1049.0	943.2
137.5°	1801.6	1888.1	1801.6	1715.2	1693.6	1548.7	1355.4	1258.8	1197.3	1074.4	982.1
140°	1729.5	1810.3	1729.5	1648.6	1628.4	1503.3	1336.3	1252.8	1198.5	1089.8	1008.3
142.5°	1669.7	1739.2	1669.7	1600.1	1582.8	1472.8	1326.2	1252.8	1202.8	1102.8	1027.8
145°	1580.0	1632.6	1580.0	1527.5	1514.3	1424.3	1304.3	1244.4	1202.8	1119.8	1057.5
147.5°	1511.2	1554.8	1511.2	1467.6	1456.7	1385.9	1291.6	1244.4	1211.1	1144.6	1094.7
150°	1467.9	1503.3	1467.9	1432.5	1423.7	1363.9	1284.2	1244.4	1215.5	1157.5	1114.1
152.5°	1430.9	1457.5	1430.9	1404.1	1397.5	1346.4	1278.4	1244.4	1218.3	1166.0	1126.8
155°	1388.3	1405.9	1388.3	1370.6	1366.2	1325.6	1271.5	1244.4	1224.5	1184.6	1154.7
157.5°	1354.6	1367.0	1354.6	1342.2	1339.1	1307.5	1265.4	1244.4	1230.6	1203.2	1182.6
160°	1334.5	1341.6	1334.5	1327.4	1325.6	1298.5	1262.4	1244.4	1233.5	1211.7	1195.4
162.5°	1321.3	1328.2	1321.3	1314.6	1312.9	1290.0	1259.6	1244.4	1236.5	1220.6	1208.8
165°	1302.3	1309.5	1302.3	1295.2	1293.4	1277.0	1255.3	1244.4	1240.8	1233.6	1228.3
167.5°	1288.8	1291.8	1288.8	1285.7	1285.0	1274.2	1259.9	1252.8	1249.8	1243.8	1239.3
170°	1285.0	1285.0	1285.0	1285.0	1285.0	1274.2	1259.9	1252.8	1252.7	1252.3	1252.0
172.5°	1274.9	1272.3	1274.9	1277.6	1278.2	1269.8	1258.5	1252.8	1252.8	1252.8	1252.8
175°	1268.9	1268.9	1268.9	1268.9	1268.9	1263.6	1256.4	1252.8	1254.6	1257.9	1260.5
177.5°	1263.5	1260.5	1263.5	1266.5	1267.2	1263.0	1257.4	1254.6	1255.8	1258.5	1260.5
180°	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5



TEST NUMBER: P934828

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0
2.5°	3865.1	3843.5	3843.5	3807.5	3793.0	3782.2	3764.2	3710.1	3695.7	3681.2	3702.9
5°	3897.6	3858.0	3829.1	3764.2	3710.1	3688.5	3620.0	3490.2	3403.6	3338.7	3302.7
7.5°	3904.8	3854.3	3800.2	3699.3	3569.5	3511.8	3302.7	3064.7	2999.8	2942.1	2906.0
10°	3897.6	3839.9	3764.2	3612.7	3306.3	3205.3	2996.2	2841.2	2801.5	2790.7	2801.5
12.5°	3872.3	3818.3	3713.7	3461.4	3032.3	2963.8	2841.2	2751.0	2743.8	2761.8	2859.2
15°	3829.1	3778.6	3656.0	3259.4	2880.8	2830.3	2743.8	2711.4	2751.0	2877.2	3169.3
17.5°	3785.8	3728.1	3576.7	3061.1	2765.5	2729.4	2668.1	2733.0	2956.5	3126.0	3223.4
20°	3728.1	3659.7	3486.5	2916.8	2682.5	2650.0	2621.2	2913.3	3082.8	3144.1	3198.1
22.5°	3659.7	3587.5	3363.9	2816.0	2596.0	2570.7	2588.7	3014.3	3082.8	3126.0	3172.9
25°	3569.5	3508.2	3219.8	2736.6	2527.5	2498.7	2567.2	3003.4	3043.1	3053.9	3147.6
27.5°	3486.5	3407.2	3068.3	2664.5	2444.6	2433.7	2585.2	2956.5	2985.4	2996.2	3097.1
30°	3385.6	3266.6	2898.8	2588.7	2358.1	2354.4	2588.7	2898.8	2891.6	2920.5	3021.5
32.5°	3281.1	3057.5	2707.7	2495.0	2275.1	2271.5	2563.5	2812.3	2805.1	2844.8	2920.5
35°	3183.7	2895.3	2448.2	2386.9	2170.6	2174.1	2502.2	2711.4	2715.0	2751.0	2797.9
37.5°	3082.8	2754.7	2163.3	2267.9	2069.6	2069.6	2419.3	2617.7	2610.4	2621.2	2686.2
40°	2963.8	2534.7	1911.0	2112.8	1975.8	1965.0	2318.4	2516.7	2491.4	2487.9	2578.0
42.5°	2837.5	2293.1	1723.5	1907.3	1867.7	1853.2	2195.8	2394.1	2347.2	2358.1	2473.4
45°	2700.5	2228.2	1579.2	1611.7	1755.9	1745.0	2062.3	2253.4	2221.0	2249.9	2368.9
47.5°	2563.5	2098.4	1532.4	1337.6	1636.9	1633.3	1914.5	2116.5	2098.4	2127.3	2253.4
50°	2376.1	1954.2	1528.7	1146.6	1503.5	1517.9	1737.9	1983.0	1983.0	2008.3	2141.6
52.5°	2134.5	1777.5	1388.1	1038.4	1348.4	1391.7	1582.9	1867.7	1874.9	1900.1	2019.1
55°	1914.5	1593.7	1287.1	955.5	1164.6	1258.3	1431.4	1748.7	1763.1	1788.3	1896.5
57.5°	1712.7	1326.8	1265.6	858.2	995.1	1085.3	1298.0	1633.3	1640.5	1662.2	1766.7
60°	1496.3	959.0	1161.0	753.5	847.3	915.8	1175.4	1496.3	1521.5	1535.9	1626.1
62.5°	1251.1	695.9	1052.8	681.4	775.2	789.7	1074.5	1366.5	1398.9	1409.8	1463.9
65°	890.5	584.1	894.2	620.2	699.5	703.1	966.3	1233.1	1261.9	1280.0	1319.6
67.5°	602.1	475.9	681.4	562.4	641.7	645.4	861.7	1078.0	1117.7	1132.1	1157.4
70°	418.3	317.3	504.8	501.2	576.9	584.1	750.0	937.5	973.5	984.3	998.7
72.5°	306.5	256.0	418.3	450.7	508.4	515.6	634.6	778.8	814.9	825.7	832.9
75°	234.3	270.4	338.9	393.0	432.6	436.3	519.2	634.6	659.9	667.0	670.6
77.5°	187.5	252.4	248.8	317.3	353.3	346.1	407.4	490.4	511.9	511.9	511.9
80°	140.6	198.3	187.5	227.1	259.6	252.4	292.1	349.8	356.9	364.1	360.6
82.5°	104.5	126.2	126.2	144.2	173.1	165.8	194.7	227.1	227.1	227.1	234.3
85°	64.9	72.1	57.7	75.7	97.3	93.8	108.2	122.6	126.2	126.2	119.0
87.5°	39.7	32.5	18.0	28.8	43.3	43.3	50.5	54.1	50.5	50.5	50.5
90°	21.9	15.2	8.5	15.2	21.9	23.7	37.2	55.3	64.3	57.1	42.8
92.5°	148.9	91.3	33.8	91.3	148.9	163.3	229.5	317.8	362.0	317.3	227.9
95°	291.8	186.5	81.2	186.5	291.8	318.1	564.8	893.8	1058.3	944.4	716.5
97.5°	326.2	233.3	140.4	233.3	326.2	349.4	760.8	1309.3	1583.6	1511.5	1367.5
100°	354.6	270.3	186.1	270.3	354.6	375.6	832.1	1440.8	1745.1	1750.4	1761.0
102.5°	382.1	303.6	225.0	303.6	382.1	401.8	864.8	1482.2	1790.9	1882.6	2066.1
105°	424.1	357.6	291.0	357.6	424.1	440.7	889.1	1486.9	1785.8	1991.5	2402.8
107.5°	482.7	420.7	358.7	420.7	482.7	498.3	893.6	1420.8	1684.3	1971.2	2544.9
110°	516.4	460.4	404.3	460.4	516.4	530.4	886.8	1362.1	1599.7	1920.4	2561.8



TEST NUMBER: P934828

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	556.0	502.6	449.2	502.6	556.0	569.3	887.2	1310.9	1522.7	1850.9	2507.4
115°	615.4	566.1	516.9	566.1	615.4	627.6	895.3	1252.1	1430.5	1746.7	2379.1
117.5°	673.1	628.5	583.7	628.5	673.1	684.3	911.9	1215.3	1367.0	1652.4	2223.1
120°	706.8	664.8	622.6	664.8	706.8	717.3	925.5	1202.9	1341.6	1602.3	2123.8
122.5°	745.6	703.1	660.7	703.1	745.6	756.3	944.9	1196.4	1322.2	1556.9	2026.6
125°	796.6	757.8	719.1	757.8	796.6	806.2	971.1	1191.1	1301.1	1500.5	1899.4
127.5°	844.7	805.6	766.5	805.6	844.7	854.4	997.4	1188.0	1283.3	1454.6	1797.1
130°	876.0	834.0	791.8	834.0	876.0	886.5	1016.5	1189.8	1276.5	1428.9	1733.9
132.5°	902.2	860.2	818.0	860.2	902.2	912.7	1032.0	1191.1	1270.6	1407.0	1680.0
135°	933.7	895.3	857.0	895.3	933.7	943.2	1049.0	1190.0	1260.5	1374.7	1603.3
137.5°	972.7	934.7	896.7	934.7	972.7	982.1	1074.4	1197.3	1258.8	1355.4	1548.7
140°	999.6	964.6	929.6	964.6	999.6	1008.3	1089.8	1198.5	1252.8	1336.3	1503.3
142.5°	1019.7	987.4	955.0	987.4	1019.7	1027.8	1102.8	1202.8	1252.8	1326.2	1472.8
145°	1050.4	1022.2	994.0	1022.2	1050.4	1057.5	1119.8	1202.8	1244.4	1304.3	1424.3
147.5°	1087.8	1060.4	1032.9	1060.4	1087.8	1094.7	1144.6	1211.1	1244.4	1291.6	1385.9
150°	1107.9	1083.1	1058.3	1083.1	1107.9	1114.1	1157.5	1215.5	1244.4	1284.2	1363.9
152.5°	1122.0	1103.3	1084.5	1103.3	1122.0	1126.8	1166.0	1218.3	1244.4	1278.4	1346.4
155°	1151.2	1137.3	1123.4	1137.3	1151.2	1154.7	1184.6	1224.5	1244.4	1271.5	1325.6
157.5°	1179.3	1165.7	1152.1	1165.7	1179.3	1182.6	1203.2	1230.6	1244.4	1265.4	1307.5
160°	1192.7	1182.2	1171.6	1182.2	1192.7	1195.4	1211.7	1233.5	1244.4	1262.4	1298.5
162.5°	1206.8	1199.0	1191.1	1199.0	1206.8	1208.8	1220.6	1236.5	1244.4	1259.6	1290.0
165°	1226.5	1219.4	1212.3	1219.4	1226.5	1228.3	1233.6	1240.8	1244.4	1255.3	1277.0
167.5°	1238.5	1235.0	1231.6	1235.0	1238.5	1239.3	1243.8	1249.8	1252.8	1259.9	1274.2
170°	1251.2	1247.7	1244.4	1247.7	1251.2	1252.0	1252.3	1252.7	1252.8	1259.9	1274.2
172.5°	1252.7	1251.8	1251.1	1251.8	1252.7	1252.8	1252.8	1252.8	1252.8	1258.5	1269.8
175°	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1257.9	1254.6	1252.8	1256.4	1263.6
177.5°	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1258.5	1255.8	1254.6	1257.4	1263.0
180°	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5



TEST NUMBER: P934828
 CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0
2.5°	3677.7	3666.8	3681.2	3641.5	3681.2	3666.8	3677.7	3702.9	3681.2	3695.7	3710.1
5°	3226.9	3208.9	3151.3	3104.4	3151.3	3208.9	3226.9	3302.7	3338.7	3403.6	3490.2
7.5°	2884.5	2870.0	2855.6	2826.7	2855.6	2870.0	2884.5	2906.0	2942.1	2999.8	3064.7
10°	2808.7	2812.3	2834.0	2830.3	2834.0	2812.3	2808.7	2801.5	2790.7	2801.5	2841.2
12.5°	3003.4	3035.8	3154.8	3147.6	3154.8	3035.8	3003.4	2859.2	2761.8	2743.8	2751.0
15°	3226.9	3237.8	3263.0	3266.6	3263.0	3237.8	3226.9	3169.3	2877.2	2751.0	2711.4
17.5°	3248.6	3252.2	3270.2	3270.2	3270.2	3252.2	3248.6	3223.4	3126.0	2956.5	2733.0
20°	3230.6	3237.8	3273.8	3281.1	3273.8	3237.8	3230.6	3198.1	3144.1	3082.8	2913.3
22.5°	3223.4	3237.8	3266.6	3263.0	3266.6	3237.8	3223.4	3172.9	3126.0	3082.8	3014.3
25°	3187.3	3187.3	3190.9	3194.5	3190.9	3187.3	3187.3	3147.6	3053.9	3043.1	3003.4
27.5°	3111.6	3118.8	3140.4	3136.8	3140.4	3118.8	3111.6	3097.1	2996.2	2985.4	2956.5
30°	3043.1	3035.8	3017.8	3003.4	3017.8	3035.8	3043.1	3021.5	2920.5	2891.6	2898.8
32.5°	2927.7	2909.7	2891.6	2880.8	2891.6	2909.7	2927.7	2920.5	2844.8	2805.1	2812.3
35°	2790.7	2794.3	2790.7	2779.9	2790.7	2794.3	2790.7	2797.9	2751.0	2715.0	2711.4
37.5°	2693.3	2700.5	2697.0	2682.5	2697.0	2700.5	2693.3	2686.2	2621.2	2610.4	2617.7
40°	2592.4	2596.0	2592.4	2581.5	2592.4	2596.0	2592.4	2578.0	2487.9	2491.4	2516.7
42.5°	2495.0	2491.4	2480.6	2473.4	2480.6	2491.4	2495.0	2473.4	2358.1	2347.2	2394.1
45°	2383.2	2386.9	2365.2	2354.4	2365.2	2386.9	2383.2	2368.9	2249.9	2221.0	2253.4
47.5°	2271.5	2271.5	2253.4	2242.6	2253.4	2271.5	2271.5	2253.4	2127.3	2098.4	2116.5
50°	2152.5	2148.9	2123.6	2120.1	2123.6	2148.9	2152.5	2141.6	2008.3	1983.0	1983.0
52.5°	2015.5	2015.5	2019.1	2026.3	2019.1	2015.5	2015.5	2019.1	1900.1	1874.9	1867.7
55°	1896.5	1900.1	1925.3	1932.5	1925.3	1900.1	1896.5	1896.5	1788.3	1763.1	1748.7
57.5°	1773.9	1773.9	1792.0	1792.0	1792.0	1773.9	1773.9	1766.7	1662.2	1640.5	1633.3
60°	1633.3	1640.5	1654.9	1651.4	1654.9	1640.5	1633.3	1626.1	1535.9	1521.5	1496.3
62.5°	1485.4	1492.7	1496.3	1489.1	1496.3	1492.7	1485.4	1463.9	1409.8	1398.9	1366.5
65°	1330.4	1337.6	1341.3	1334.1	1341.3	1337.6	1330.4	1319.6	1280.0	1261.9	1233.1
67.5°	1171.8	1168.2	1164.6	1179.0	1164.6	1168.2	1171.8	1157.4	1132.1	1117.7	1078.0
70°	1009.5	1009.5	1006.0	1013.2	1006.0	1009.5	1009.5	998.7	984.3	973.5	937.5
72.5°	836.5	832.9	847.3	836.5	847.3	832.9	836.5	832.9	825.7	814.9	778.8
75°	667.0	674.2	667.0	677.9	667.0	674.2	667.0	670.6	667.0	659.9	634.6
77.5°	508.4	515.6	508.4	508.4	508.4	515.6	508.4	511.9	511.9	511.9	490.4
80°	360.6	356.9	356.9	353.3	356.9	356.9	360.6	360.6	364.1	356.9	349.8
82.5°	230.8	227.1	227.1	234.3	227.1	227.1	230.8	234.3	227.1	227.1	227.1
85°	126.2	129.8	122.6	122.6	122.6	129.8	126.2	119.0	126.2	126.2	122.6
87.5°	46.8	43.3	43.3	43.3	43.3	43.3	46.8	50.5	50.5	50.5	54.1
90°	32.1	32.1	32.1	32.1	32.1	32.1	32.1	42.8	57.1	64.3	55.3
92.5°	160.7	154.4	128.8	103.2	128.8	154.4	160.7	227.9	317.3	362.0	317.8
95°	545.6	526.2	448.8	371.4	448.8	526.2	545.6	716.5	944.4	1058.3	893.8
97.5°	1259.6	1222.7	1075.4	928.0	1075.4	1222.7	1259.6	1367.5	1511.5	1583.6	1309.3
100°	1768.9	1724.9	1549.4	1373.8	1549.4	1724.9	1768.9	1761.0	1750.4	1745.1	1440.8
102.5°	2203.7	2166.1	2015.7	1865.3	2015.7	2166.1	2203.7	2066.1	1882.6	1790.9	1482.2
105°	2711.3	2691.1	2610.2	2529.3	2610.2	2691.1	2711.3	2402.8	1991.5	1785.8	1486.9
107.5°	2975.1	2980.1	2999.6	3019.2	2999.6	2980.1	2975.1	2544.9	1971.2	1684.3	1420.8
110°	3042.8	3063.8	3148.1	3232.3	3148.1	3063.8	3042.8	2561.8	1920.4	1599.7	1362.1



TEST NUMBER: P934828

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2999.7	3032.0	3161.4	3290.7	3161.4	3032.0	2999.7	2507.4	1850.9	1522.7	1310.9
115°	2853.3	2898.2	3077.5	3256.9	3077.5	2898.2	2853.3	2379.1	1746.7	1430.5	1252.1
117.5°	2651.1	2700.9	2899.7	3098.7	2899.7	2700.9	2651.1	2223.1	1652.4	1367.0	1215.3
120°	2515.0	2563.3	2756.6	2949.8	2756.6	2563.3	2515.0	2123.8	1602.3	1341.6	1202.9
122.5°	2378.8	2426.5	2617.0	2807.7	2617.0	2426.5	2378.8	2026.6	1556.9	1322.2	1196.4
125°	2198.6	2242.5	2418.1	2593.6	2418.1	2242.5	2198.6	1899.4	1500.5	1301.1	1191.1
127.5°	2054.0	2091.0	2239.2	2387.3	2239.2	2091.0	2054.0	1797.1	1454.6	1283.3	1188.0
130°	1962.5	1996.7	2133.6	2270.5	2133.6	1996.7	1962.5	1733.9	1428.9	1276.5	1189.8
132.5°	1884.8	1915.4	2038.0	2160.6	2038.0	1915.4	1884.8	1680.0	1407.0	1270.6	1191.1
135°	1774.8	1801.2	1906.9	2012.5	1906.9	1801.2	1774.8	1603.3	1374.7	1260.5	1190.0
137.5°	1693.6	1715.2	1801.6	1888.1	1801.6	1715.2	1693.6	1548.7	1355.4	1258.8	1197.3
140°	1628.4	1648.6	1729.5	1810.3	1729.5	1648.6	1628.4	1503.3	1336.3	1252.8	1198.5
142.5°	1582.8	1600.1	1669.7	1739.2	1669.7	1600.1	1582.8	1472.8	1326.2	1252.8	1202.8
145°	1514.3	1527.5	1580.0	1632.6	1580.0	1527.5	1514.3	1424.3	1304.3	1244.4	1202.8
147.5°	1456.7	1467.6	1511.2	1554.8	1511.2	1467.6	1456.7	1385.9	1291.6	1244.4	1211.1
150°	1423.7	1432.5	1467.9	1503.3	1467.9	1432.5	1423.7	1363.9	1284.2	1244.4	1215.5
152.5°	1397.5	1404.1	1430.9	1457.5	1430.9	1404.1	1397.5	1346.4	1278.4	1244.4	1218.3
155°	1366.2	1370.6	1388.3	1405.9	1388.3	1370.6	1366.2	1325.6	1271.5	1244.4	1224.5
157.5°	1339.1	1342.2	1354.6	1367.0	1354.6	1342.2	1339.1	1307.5	1265.4	1244.4	1230.6
160°	1325.6	1327.4	1334.5	1341.6	1334.5	1327.4	1325.6	1298.5	1262.4	1244.4	1233.5
162.5°	1312.9	1314.6	1321.3	1328.2	1321.3	1314.6	1312.9	1290.0	1259.6	1244.4	1236.5
165°	1293.4	1295.2	1302.3	1309.5	1302.3	1295.2	1293.4	1277.0	1255.3	1244.4	1240.8
167.5°	1285.0	1285.7	1288.8	1291.8	1288.8	1285.7	1285.0	1274.2	1259.9	1252.8	1249.8
170°	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1274.2	1259.9	1252.8	1252.7
172.5°	1278.2	1277.6	1274.9	1272.3	1274.9	1277.6	1278.2	1269.8	1258.5	1252.8	1252.8
175°	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1263.6	1256.4	1252.8	1254.6
177.5°	1267.2	1266.5	1263.5	1260.5	1263.5	1266.5	1267.2	1263.0	1257.4	1254.6	1255.8
180°	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5



TEST NUMBER: P934828

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3811.0	3811.0	3811.0	3811.0	3811.0
2.5°	3764.2	3782.2	3793.0	3807.5	3843.5
5°	3620.0	3688.5	3710.1	3764.2	3829.1
7.5°	3302.7	3511.8	3569.5	3699.3	3800.2
10°	2996.2	3205.3	3306.3	3612.7	3764.2
12.5°	2841.2	2963.8	3032.3	3461.4	3713.7
15°	2743.8	2830.3	2880.8	3259.4	3656.0
17.5°	2668.1	2729.4	2765.5	3061.1	3576.7
20°	2621.2	2650.0	2682.5	2916.8	3486.5
22.5°	2588.7	2570.7	2596.0	2816.0	3363.9
25°	2567.2	2498.7	2527.5	2736.6	3219.8
27.5°	2585.2	2433.7	2444.6	2664.5	3068.3
30°	2588.7	2354.4	2358.1	2588.7	2898.8
32.5°	2563.5	2271.5	2275.1	2495.0	2707.7
35°	2502.2	2174.1	2170.6	2386.9	2448.2
37.5°	2419.3	2069.6	2069.6	2267.9	2163.3
40°	2318.4	1965.0	1975.8	2112.8	1911.0
42.5°	2195.8	1853.2	1867.7	1907.3	1723.5
45°	2062.3	1745.0	1755.9	1611.7	1579.2
47.5°	1914.5	1633.3	1636.9	1337.6	1532.4
50°	1737.9	1517.9	1503.5	1146.6	1528.7
52.5°	1582.9	1391.7	1348.4	1038.4	1388.1
55°	1431.4	1258.3	1164.6	955.5	1287.1
57.5°	1298.0	1085.3	995.1	858.2	1265.6
60°	1175.4	915.8	847.3	753.5	1161.0
62.5°	1074.5	789.7	775.2	681.4	1052.8
65°	966.3	703.1	699.5	620.2	894.2
67.5°	861.7	645.4	641.7	562.4	681.4
70°	750.0	584.1	576.9	501.2	504.8
72.5°	634.6	515.6	508.4	450.7	418.3
75°	519.2	436.3	432.6	393.0	338.9
77.5°	407.4	346.1	353.3	317.3	248.8
80°	292.1	252.4	259.6	227.1	187.5
82.5°	194.7	165.8	173.1	144.2	126.2
85°	108.2	93.8	97.3	75.7	57.7
87.5°	50.5	43.3	43.3	28.8	18.0
90°	37.2	23.7	21.9	15.2	8.5
92.5°	229.5	163.3	148.9	91.3	33.8
95°	564.8	318.1	291.8	186.5	81.2
97.5°	760.8	349.4	326.2	233.3	140.4
100°	832.1	375.6	354.6	270.3	186.1
102.5°	864.8	401.8	382.1	303.6	225.0
105°	889.1	440.7	424.1	357.6	291.0
107.5°	893.6	498.3	482.7	420.7	358.7
110°	886.8	530.4	516.4	460.4	404.3



TEST NUMBER: P934828

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	887.2	569.3	556.0	502.6	449.2
115°	895.3	627.6	615.4	566.1	516.9
117.5°	911.9	684.3	673.1	628.5	583.7
120°	925.5	717.3	706.8	664.8	622.6
122.5°	944.9	756.3	745.6	703.1	660.7
125°	971.1	806.2	796.6	757.8	719.1
127.5°	997.4	854.4	844.7	805.6	766.5
130°	1016.5	886.5	876.0	834.0	791.8
132.5°	1032.0	912.7	902.2	860.2	818.0
135°	1049.0	943.2	933.7	895.3	857.0
137.5°	1074.4	982.1	972.7	934.7	896.7
140°	1089.8	1008.3	999.6	964.6	929.6
142.5°	1102.8	1027.8	1019.7	987.4	955.0
145°	1119.8	1057.5	1050.4	1022.2	994.0
147.5°	1144.6	1094.7	1087.8	1060.4	1032.9
150°	1157.5	1114.1	1107.9	1083.1	1058.3
152.5°	1166.0	1126.8	1122.0	1103.3	1084.5
155°	1184.6	1154.7	1151.2	1137.3	1123.4
157.5°	1203.2	1182.6	1179.3	1165.7	1152.1
160°	1211.7	1195.4	1192.7	1182.2	1171.6
162.5°	1220.6	1208.8	1206.8	1199.0	1191.1
165°	1233.6	1228.3	1226.5	1219.4	1212.3
167.5°	1243.8	1239.3	1238.5	1235.0	1231.6
170°	1252.3	1252.0	1251.2	1247.7	1244.4
172.5°	1252.8	1252.8	1252.7	1251.8	1251.1
175°	1257.9	1260.5	1260.5	1260.5	1260.5
177.5°	1258.5	1260.5	1260.5	1260.5	1260.5
180°	1260.5	1260.5	1260.5	1260.5	1260.5



TEST NUMBER: P934828
 CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-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	13.81	14.72	14.73	15.65	16.85	16.66	17.57	17.58	18.50	19.70
	3H	14.29	15.10	15.22	16.05	17.27	18.02	18.83	18.95	19.77	21.00
	4H	14.48	15.25	15.43	16.20	17.44	18.47	19.24	19.41	20.18	21.42
	6H	14.61	15.31	15.56	16.27	17.52	18.76	19.47	19.72	20.42	21.67
	8H	14.61	15.28	15.57	16.25	17.50	18.84	19.51	19.80	20.49	21.73
	12H	14.58	15.22	15.55	16.19	17.46	18.88	19.52	19.85	20.49	21.76
4H	2H	14.85	15.62	15.80	16.57	17.81	17.08	17.84	18.02	18.79	20.03
	3H	15.89	16.53	16.84	17.50	18.75	18.59	19.23	19.55	20.21	21.46
	4H	16.16	16.75	17.13	17.72	18.99	19.13	19.71	20.09	20.68	21.96
	6H	16.29	16.79	17.27	17.79	19.06	19.50	20.00	20.48	21.00	22.27
	8H	16.30	16.77	17.28	17.76	19.04	19.61	20.08	20.59	21.07	22.36
	12H	16.27	16.69	17.27	17.70	18.99	19.67	20.10	20.67	21.10	22.40
8H	4H	16.62	17.09	17.61	18.08	19.37	19.25	19.72	20.24	20.71	22.00
	6H	16.89	17.28	17.89	18.31	19.59	19.70	20.09	20.71	21.12	22.40
	8H	16.93	17.27	17.95	18.29	19.60	19.85	20.20	20.87	21.22	22.52
	12H	16.92	17.22	17.94	18.23	19.58	19.96	20.26	20.98	21.27	22.62
12H	4H	16.63	17.06	17.63	18.06	19.36	19.22	19.65	20.22	20.65	21.94
	6H	16.95	17.29	17.97	18.31	19.62	19.70	20.04	20.71	21.06	22.36
	8H	17.02	17.32	18.04	18.33	19.68	19.86	20.16	20.88	21.18	22.53