

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: P934829

Luminaire Tested: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-5000K

Issue Date: 12/17/2024

**Test Information**

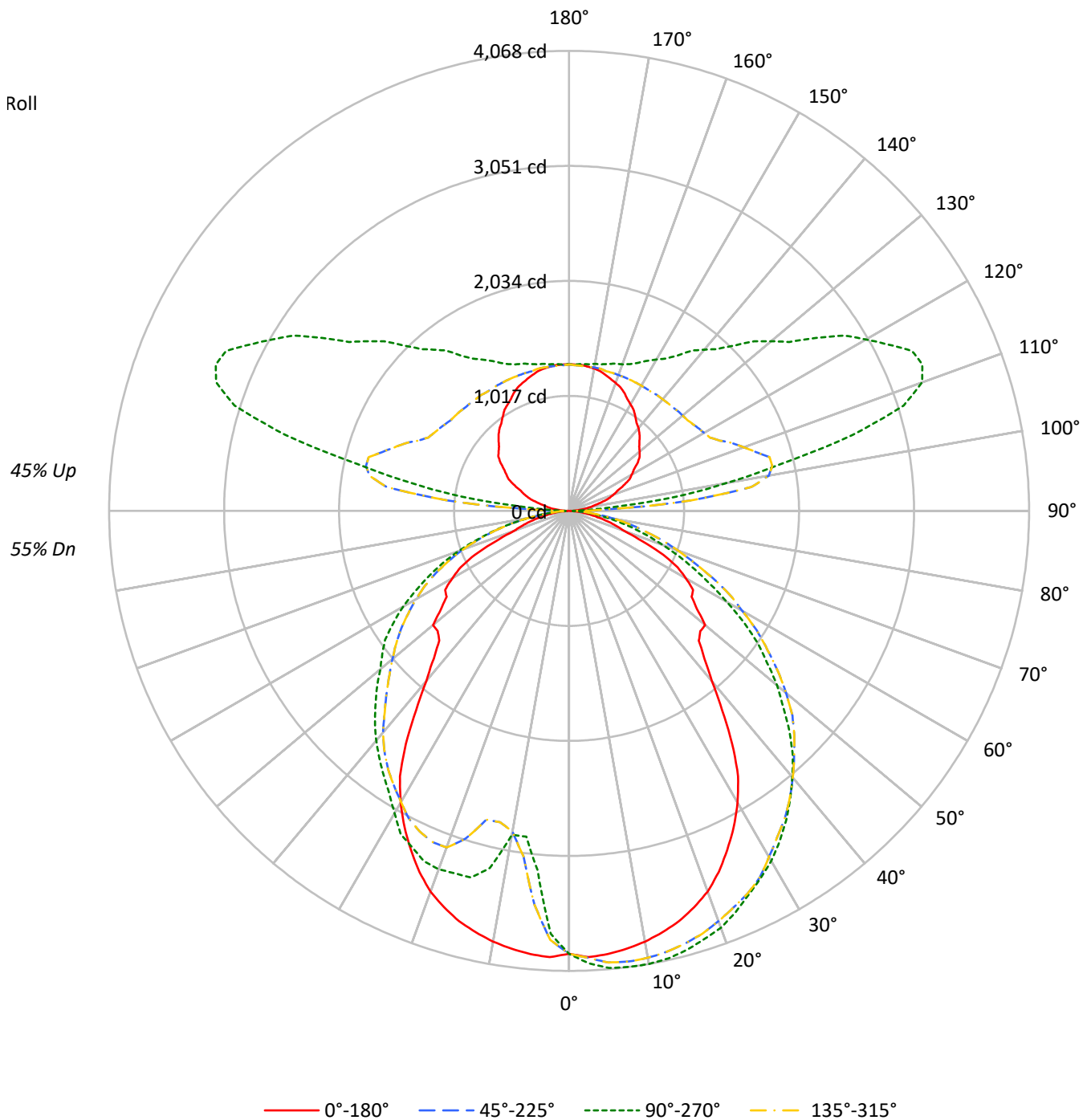
Test Method: LM-79-2019  
Report Number: P934829  
REPORT IS A COMBINATION OF REPORTS P933713 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-5000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18554.8 lumens  
Efficiency: N/A  
Efficacy: 120.8 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')  
CIE Type: General Diffuse  
  
Input Watts (W): 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: P934829  
CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-5000K

### 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°	12112	12112	12112	12112
5°	12208	12227	12208	9615
10°	12130	12044	12130	8611
15°	12003	11783	12003	9839
20°	11757	11474	11757	9860
25°	11248	11024	11248	9651
30°	10588	10649	10588	9193
35°	9444	10176	9444	8688
40°	7873	9618	7873	8307
45°	7039	8966	7039	7869
50°	7485	8188	7485	7430
55°	7048	7349	7048	7175
60°	7275	6242	7275	6572
65°	6606	5160	6606	5768
70°	4586	4112	4586	4835
75°	4037	3040	4037	3640
80°	3276	2009	3276	2188
85°	1921	1064	1921	905

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10783 cd/sqm



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CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-5000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	353.5	1.9
10°-20°	1003.7	5.4
20°-30°	1551.5	8.4
30°-40°	1852.1	10.0
40°-50°	1863.0	10.0
50°-60°	1621.0	8.7
60°-70°	1149.3	6.2
70°-80°	608.1	3.3
80°-90°	156.4	0.8
90°-100°	631.3	3.4
100°-110°	1659.8	8.9
110°-120°	1721.1	9.3
120°-130°	1380.5	7.4
130°-140°	1083.2	5.8
140°-150°	831.4	4.5
150°-160°	598.7	3.2
160°-170°	366.3	2.0
170°-180°	123.8	0.7
0°-30°	2908.7	15.7
0°-40°	4760.8	25.7
0°-60°	8244.9	44.4
0°-90°	10158.7	54.7
90°-120°	4012.2	21.6
90°-150°	7307.3	39.4
90°-180°	8396.0	45.2
0°-180°	18554.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3916	3916	3916	3916	3916	
5°	3935	4057	3935	3190	3935	373
15°	3757	4020	3757	3357	3757	1057
25°	3308	3749	3308	3282	3308	1519
35°	2516	3346	2516	2856	2516	1556
45°	1623	2756	1623	2419	1623	1300
55°	1323	2034	1323	1986	1323	1215
65°	919	1226	919	1371	919	878
75°	348	582	348	696	348	366
85°	59	148	59	126	59	80
90°	9	33	9	33	9	10
95°	84	382	84	382	84	93
105°	299	2599	299	2599	299	317
115°	531	3347	531	3347	531	525
125°	739	2665	739	2665	739	656
135°	881	2068	881	2068	881	681
145°	1021	1678	1021	1678	1021	640
155°	1154	1445	1154	1445	1154	530
165°	1246	1346	1246	1346	1246	352
175°	1295	1304	1295	1304	1295	123
180°	1295	1295	1295	1295	1295	



TEST NUMBER: P934829

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0
2.5°	3949.4	3949.4	3971.7	3979.0	3979.0	3967.9	3956.8	3967.9	4001.3	4012.4	4008.7
5°	3934.6	3964.3	4005.0	4012.4	4019.8	4016.2	4008.7	4016.2	4053.2	4060.5	4064.3
7.5°	3904.9	3960.5	4012.4	4023.5	4034.7	4023.5	4019.8	4027.3	4064.3	4071.7	4071.7
10°	3867.9	3945.8	4005.0	4012.4	4023.5	4012.4	4012.4	4027.3	4064.3	4071.7	4075.4
12.5°	3816.0	3923.5	3979.0	3986.5	4001.3	3997.6	3993.9	4008.7	4045.8	4053.2	4053.2
15°	3756.8	3882.8	3934.6	3942.0	3967.9	3960.5	3960.5	3975.4	4016.2	4027.3	4023.5
17.5°	3675.3	3830.9	3890.2	3901.3	3919.8	3916.0	3919.8	3934.6	3971.7	3979.0	3982.8
20°	3582.6	3760.5	3830.9	3842.0	3860.5	3860.5	3860.5	3879.0	3916.0	3930.9	3930.9
22.5°	3456.6	3686.4	3760.5	3767.9	3790.1	3790.1	3797.5	3823.4	3856.8	3860.5	3860.5
25°	3308.5	3604.9	3667.9	3690.1	3712.3	3723.4	3734.5	3749.4	3760.5	3756.8	3760.5
27.5°	3152.9	3501.1	3582.6	3597.5	3627.1	3638.2	3653.0	3656.8	3660.4	3671.5	3664.1
30°	2978.7	3356.6	3478.9	3493.7	3541.9	3549.3	3534.5	3541.9	3560.4	3567.9	3575.3
32.5°	2782.3	3141.7	3371.5	3404.8	3449.3	3427.0	3423.4	3434.5	3464.1	3464.1	3471.5
35°	2515.7	2975.1	3271.5	3301.1	3334.4	3308.5	3323.3	3327.0	3345.5	3356.6	3353.0
37.5°	2222.9	2830.6	3167.7	3190.0	3215.9	3182.5	3204.7	3215.9	3230.7	3223.2	3223.2
40°	1963.6	2604.6	3045.5	3060.2	3082.5	3056.6	3078.7	3086.2	3093.6	3086.2	3082.5
42.5°	1771.0	2356.3	2915.7	2934.3	2919.5	2938.0	2945.4	2960.2	2949.1	2934.3	2934.3
45°	1622.7	2289.7	2775.0	2797.2	2775.0	2804.6	2815.7	2815.7	2782.3	2775.0	2771.3
47.5°	1574.6	2156.3	2634.2	2634.2	2623.1	2660.1	2678.7	2652.7	2619.3	2608.3	2608.3
50°	1570.9	2008.0	2441.5	2426.7	2478.6	2523.1	2504.5	2478.6	2452.7	2411.9	2411.9
52.5°	1426.4	1826.5	2193.3	2248.9	2330.4	2356.3	2326.7	2300.8	2256.3	2237.8	2222.9
55°	1322.6	1637.6	1967.3	2078.4	2163.7	2197.0	2141.4	2115.5	2048.8	2037.7	2030.3
57.5°	1300.5	1363.4	1759.9	1900.6	2004.4	2000.6	1967.3	1919.1	1863.5	1852.5	1848.8
60°	1193.0	985.5	1537.5	1704.2	1811.7	1800.6	1771.0	1726.5	1674.6	1667.2	1659.8
62.5°	1081.8	715.1	1285.6	1474.6	1626.5	1622.7	1596.9	1530.1	1493.1	1474.6	1459.7
65°	918.8	600.2	915.1	1226.3	1444.9	1452.3	1396.7	1348.6	1307.8	1285.6	1281.9
67.5°	700.2	489.0	618.7	1022.6	1270.8	1263.3	1193.0	1170.7	1118.8	1107.7	1085.6
70°	518.7	326.0	429.8	829.9	1100.3	1081.8	1026.2	1000.3	952.2	926.2	911.4
72.5°	429.8	263.0	314.9	644.7	926.2	904.0	855.8	826.2	785.4	763.2	748.4
75°	348.3	277.9	240.8	477.9	752.1	737.3	692.8	663.2	629.8	600.2	603.9
77.5°	255.6	259.4	192.6	352.0	596.5	574.3	548.3	511.3	496.4	466.8	466.8
80°	192.6	203.8	144.5	240.8	429.8	429.8	407.5	381.6	355.7	340.9	340.9
82.5°	129.6	129.6	107.4	151.9	292.7	281.5	266.8	259.4	244.5	237.1	237.1
85°	59.3	74.1	66.6	92.6	159.3	166.8	166.8	159.3	155.6	148.2	151.9
87.5°	18.5	33.4	40.8	51.9	81.5	85.2	88.9	88.9	88.9	92.6	92.6
90°	8.7	15.6	22.5	24.3	38.2	56.8	66.1	58.7	44.0	33.0	33.0
92.5°	34.8	93.8	153.0	167.8	235.8	326.6	372.0	326.0	234.1	165.2	158.6
95°	83.5	191.6	299.9	326.9	580.4	918.4	1087.4	970.4	736.3	560.6	540.7
97.5°	144.3	239.8	335.2	359.0	781.8	1345.4	1627.2	1553.2	1405.2	1294.3	1256.4
100°	191.2	277.8	364.3	385.9	855.1	1480.5	1793.2	1798.7	1809.5	1817.6	1772.5
102.5°	231.2	312.0	392.7	412.9	888.6	1523.0	1840.2	1934.5	2123.0	2264.4	2225.8
105°	299.0	367.4	435.8	452.9	913.6	1527.9	1835.0	2046.4	2469.0	2786.0	2765.2
107.5°	368.6	432.3	496.0	512.0	918.3	1459.9	1730.7	2025.5	2615.0	3057.1	3062.2
110°	415.5	473.1	530.6	545.0	911.2	1399.6	1643.8	1973.4	2632.4	3126.7	3148.3



TEST NUMBER: P934829

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	461.6	516.4	571.3	585.0	911.6	1347.0	1564.7	1901.9	2576.5	3082.4	3115.6
115°	531.1	581.7	632.3	644.9	919.9	1286.6	1469.9	1794.8	2444.6	2932.0	2978.1
117.5°	599.8	645.8	691.7	703.2	937.0	1248.8	1404.7	1697.9	2284.3	2724.2	2775.3
120°	639.8	683.1	726.3	737.1	951.0	1236.1	1378.6	1646.5	2182.4	2584.3	2633.9
122.5°	678.9	722.5	766.2	777.1	971.0	1229.4	1358.6	1599.8	2082.4	2444.3	2493.3
125°	738.9	778.7	818.5	828.4	997.9	1223.9	1336.9	1541.9	1951.8	2259.2	2304.3
127.5°	787.6	827.8	868.0	878.0	1024.9	1220.7	1318.7	1494.7	1846.6	2110.6	2148.6
130°	813.7	856.9	900.1	911.0	1044.5	1222.6	1311.7	1468.3	1781.6	2016.6	2051.8
132.5°	840.6	883.9	927.0	937.9	1060.4	1223.9	1305.6	1445.8	1726.3	1936.7	1968.2
135°	880.6	919.9	959.4	969.2	1077.9	1222.8	1295.2	1412.6	1647.5	1823.7	1850.8
137.5°	921.4	960.4	999.5	1009.2	1104.0	1230.3	1293.4	1392.7	1591.3	1740.2	1762.5
140°	955.3	991.2	1027.1	1036.1	1119.9	1231.6	1287.4	1373.2	1544.7	1673.3	1694.1
142.5°	981.3	1014.6	1047.8	1056.1	1133.2	1236.0	1287.4	1362.7	1513.4	1626.4	1644.2
145°	1021.4	1050.3	1079.3	1086.6	1150.6	1236.0	1278.7	1340.3	1463.6	1556.0	1569.6
147.5°	1061.4	1089.6	1117.8	1124.8	1176.1	1244.5	1278.7	1327.2	1424.1	1496.8	1508.1
150°	1087.4	1113.0	1138.5	1144.8	1189.4	1249.0	1278.7	1319.6	1401.5	1462.9	1472.0
152.5°	1114.4	1133.7	1153.0	1157.8	1198.1	1251.9	1278.7	1313.6	1383.6	1436.0	1442.8
155°	1154.4	1168.7	1183.0	1186.5	1217.3	1258.2	1278.7	1306.5	1362.1	1403.8	1408.4
157.5°	1183.9	1197.8	1211.8	1215.2	1236.3	1264.6	1278.7	1300.3	1343.5	1376.0	1379.2
160°	1203.9	1214.7	1225.6	1228.3	1245.1	1267.5	1278.7	1297.2	1334.3	1362.1	1364.0
162.5°	1223.9	1232.0	1240.1	1242.1	1254.3	1270.5	1278.7	1294.3	1325.6	1349.1	1350.8
165°	1245.7	1253.0	1260.3	1262.1	1267.6	1275.0	1278.7	1289.9	1312.2	1329.1	1330.9
167.5°	1265.6	1269.1	1272.6	1273.4	1278.1	1284.3	1287.4	1294.7	1309.3	1320.4	1321.1
170°	1278.7	1282.1	1285.7	1286.5	1286.8	1287.2	1287.4	1294.7	1309.3	1320.4	1320.4
172.5°	1285.6	1286.3	1287.2	1287.4	1287.4	1287.4	1287.4	1293.2	1304.8	1313.4	1312.8
175°	1295.2	1295.2	1295.2	1295.2	1292.6	1289.1	1287.4	1291.0	1298.4	1303.9	1303.9
177.5°	1295.2	1295.2	1295.2	1295.2	1293.2	1290.5	1289.1	1292.0	1297.8	1302.1	1301.4
180°	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2



TEST NUMBER: P934829

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0
2.5°	4016.2	4005.0	4016.2	4008.7	4012.4	4001.3	3967.9	3956.8	3967.9	3979.0	3979.0
5°	4064.3	4056.9	4064.3	4064.3	4060.5	4053.2	4016.2	4008.7	4016.2	4019.8	4012.4
7.5°	4079.1	4068.0	4079.1	4071.7	4071.7	4064.3	4027.3	4019.8	4023.5	4034.7	4023.5
10°	4079.1	4068.0	4079.1	4075.4	4071.7	4064.3	4027.3	4012.4	4012.4	4023.5	4012.4
12.5°	4060.5	4053.2	4060.5	4053.2	4053.2	4045.8	4008.7	3993.9	3997.6	4001.3	3986.5
15°	4030.9	4019.8	4030.9	4023.5	4027.3	4016.2	3975.4	3960.5	3960.5	3967.9	3942.0
17.5°	3986.5	3971.7	3986.5	3982.8	3979.0	3971.7	3934.6	3919.8	3916.0	3919.8	3901.3
20°	3934.6	3923.5	3934.6	3930.9	3930.9	3916.0	3879.0	3860.5	3860.5	3860.5	3842.0
22.5°	3853.1	3842.0	3853.1	3860.5	3860.5	3856.8	3823.4	3797.5	3790.1	3790.1	3767.9
25°	3760.5	3749.4	3760.5	3760.5	3756.8	3760.5	3749.4	3734.5	3723.4	3712.3	3690.1
27.5°	3671.5	3664.1	3671.5	3664.1	3671.5	3660.4	3656.8	3653.0	3638.2	3627.1	3597.5
30°	3582.6	3575.3	3582.6	3575.3	3567.9	3560.4	3541.9	3534.5	3549.3	3541.9	3493.7
32.5°	3471.5	3464.1	3471.5	3471.5	3464.1	3464.1	3434.5	3423.4	3427.0	3449.3	3404.8
35°	3356.6	3345.5	3356.6	3353.0	3356.6	3345.5	3327.0	3323.3	3308.5	3334.4	3301.1
37.5°	3223.2	3212.1	3223.2	3223.2	3223.2	3230.7	3215.9	3204.7	3182.5	3215.9	3190.0
40°	3086.2	3071.4	3086.2	3082.5	3086.2	3093.6	3086.2	3078.7	3056.6	3082.5	3060.2
42.5°	2930.6	2926.8	2930.6	2934.3	2934.3	2949.1	2960.2	2945.4	2938.0	2919.5	2934.3
45°	2763.8	2756.4	2763.8	2771.3	2775.0	2782.3	2815.7	2815.7	2804.6	2775.0	2797.2
47.5°	2586.1	2567.5	2586.1	2608.3	2608.3	2619.3	2652.7	2678.7	2660.1	2623.1	2634.2
50°	2397.1	2400.8	2397.1	2411.9	2411.9	2452.7	2478.6	2504.5	2523.1	2478.6	2426.7
52.5°	2211.8	2208.1	2211.8	2222.9	2237.8	2256.3	2300.8	2326.7	2356.3	2330.4	2248.9
55°	2026.5	2034.0	2026.5	2030.3	2037.7	2048.8	2115.5	2141.4	2197.0	2163.7	2078.4
57.5°	1841.4	1830.2	1841.4	1848.8	1852.5	1863.5	1919.1	1967.3	2000.6	2004.4	1900.6
60°	1626.5	1611.6	1626.5	1659.8	1667.2	1674.6	1726.5	1771.0	1800.6	1811.7	1704.2
62.5°	1437.5	1411.6	1437.5	1459.7	1474.6	1493.1	1530.1	1596.9	1622.7	1626.5	1474.6
65°	1237.5	1226.3	1237.5	1281.9	1285.6	1307.8	1348.6	1396.7	1452.3	1444.9	1226.3
67.5°	1055.9	1055.9	1055.9	1085.6	1107.7	1118.8	1170.7	1193.0	1263.3	1270.8	1022.6
70°	889.2	885.4	889.2	911.4	926.2	952.2	1000.3	1026.2	1081.8	1100.3	829.9
72.5°	729.9	726.2	729.9	748.4	763.2	785.4	826.2	855.8	904.0	926.2	644.7
75°	589.1	581.7	589.1	603.9	600.2	629.8	663.2	692.8	737.3	752.1	477.9
77.5°	452.0	452.0	452.0	466.8	466.8	496.4	511.3	548.3	574.3	596.5	352.0
80°	337.1	333.4	337.1	340.9	340.9	355.7	381.6	407.5	429.8	429.8	240.8
82.5°	237.1	229.7	237.1	237.1	237.1	244.5	259.4	266.8	281.5	292.7	151.9
85°	148.2	148.2	148.2	151.9	148.2	155.6	159.3	166.8	166.8	159.3	92.6
87.5°	96.4	92.6	96.4	92.6	92.6	88.9	88.9	88.9	85.2	81.5	51.9
90°	33.0	33.0	33.0	33.0	33.0	44.0	58.7	66.1	56.8	38.2	24.3
92.5°	132.4	106.1	132.4	158.6	165.2	234.1	326.0	372.0	326.6	235.8	167.8
95°	461.2	381.6	461.2	540.7	560.6	736.3	970.4	1087.4	918.4	580.4	326.9
97.5°	1105.0	953.6	1105.0	1256.4	1294.3	1405.2	1553.2	1627.2	1345.4	781.8	359.0
100°	1592.1	1411.7	1592.1	1772.5	1817.6	1809.5	1798.7	1793.2	1480.5	855.1	385.9
102.5°	2071.2	1916.7	2071.2	2225.8	2264.4	2123.0	1934.5	1840.2	1523.0	888.6	412.9
105°	2682.1	2599.0	2682.1	2765.2	2786.0	2469.0	2046.4	1835.0	1527.9	913.6	452.9
107.5°	3082.3	3102.4	3082.3	3062.2	3057.1	2615.0	2025.5	1730.7	1459.9	918.3	512.0
110°	3234.8	3321.4	3234.8	3148.3	3126.7	2632.4	1973.4	1643.8	1399.6	911.2	545.0





TEST NUMBER: P934829

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3248.5	3381.4	3248.5	3115.6	3082.4	2576.5	1901.9	1564.7	1347.0	911.6	585.0
115°	3162.3	3346.6	3162.3	2978.1	2932.0	2444.6	1794.8	1469.9	1286.6	919.9	644.9
117.5°	2979.7	3184.1	2979.7	2775.3	2724.2	2284.3	1697.9	1404.7	1248.8	937.0	703.2
120°	2832.5	3031.1	2832.5	2633.9	2584.3	2182.4	1646.5	1378.6	1236.1	951.0	737.1
122.5°	2689.1	2885.1	2689.1	2493.3	2444.3	2082.4	1599.8	1358.6	1229.4	971.0	777.1
125°	2484.7	2665.1	2484.7	2304.3	2259.2	1951.8	1541.9	1336.9	1223.9	997.9	828.4
127.5°	2300.9	2453.0	2300.9	2148.6	2110.6	1846.6	1494.7	1318.7	1220.7	1024.9	878.0
130°	2192.4	2333.1	2192.4	2051.8	2016.6	1781.6	1468.3	1311.7	1222.6	1044.5	911.0
132.5°	2094.1	2220.1	2094.1	1968.2	1936.7	1726.3	1445.8	1305.6	1223.9	1060.4	937.9
135°	1959.4	2067.9	1959.4	1850.8	1823.7	1647.5	1412.6	1295.2	1222.8	1077.9	969.2
137.5°	1851.3	1940.2	1851.3	1762.5	1740.2	1591.3	1392.7	1293.4	1230.3	1104.0	1009.2
140°	1777.2	1860.2	1777.2	1694.1	1673.3	1544.7	1373.2	1287.4	1231.6	1119.9	1036.1
142.5°	1715.7	1787.2	1715.7	1644.2	1626.4	1513.4	1362.7	1287.4	1236.0	1133.2	1056.1
145°	1623.6	1677.6	1623.6	1569.6	1556.0	1463.6	1340.3	1278.7	1236.0	1150.6	1086.6
147.5°	1552.8	1597.7	1552.8	1508.1	1496.8	1424.1	1327.2	1278.7	1244.5	1176.1	1124.8
150°	1508.3	1544.7	1508.3	1472.0	1462.9	1401.5	1319.6	1278.7	1249.0	1189.4	1144.8
152.5°	1470.3	1497.7	1470.3	1442.8	1436.0	1383.6	1313.6	1278.7	1251.9	1198.1	1157.8
155°	1426.5	1444.7	1426.5	1408.4	1403.8	1362.1	1306.5	1278.7	1258.2	1217.3	1186.5
157.5°	1392.0	1404.7	1392.0	1379.2	1376.0	1343.5	1300.3	1278.7	1264.6	1236.3	1215.2
160°	1371.3	1378.6	1371.3	1364.0	1362.1	1334.3	1297.2	1278.7	1267.5	1245.1	1228.3
162.5°	1357.8	1364.8	1357.8	1350.8	1349.1	1325.6	1294.3	1278.7	1270.5	1254.3	1242.1
165°	1338.2	1345.6	1338.2	1330.9	1329.1	1312.2	1289.9	1278.7	1275.0	1267.6	1262.1
167.5°	1324.3	1327.4	1324.3	1321.1	1320.4	1309.3	1294.7	1287.4	1284.3	1278.1	1273.4
170°	1320.4	1320.4	1320.4	1320.4	1320.4	1309.3	1294.7	1287.4	1287.2	1286.8	1286.5
172.5°	1310.1	1307.4	1310.1	1312.8	1313.4	1304.8	1293.2	1287.4	1287.4	1287.4	1287.4
175°	1303.9	1303.9	1303.9	1303.9	1303.9	1298.4	1291.0	1287.4	1289.1	1292.6	1295.2
177.5°	1298.3	1295.2	1298.3	1301.4	1302.1	1297.8	1292.0	1289.1	1290.5	1293.2	1295.2
180°	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2



TEST NUMBER: P934829

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0
2.5°	3971.7	3949.4	3949.4	3912.4	3897.5	3886.4	3867.9	3812.4	3797.5	3782.7	3804.9
5°	4005.0	3964.3	3934.6	3867.9	3812.4	3790.1	3719.8	3586.4	3497.4	3430.7	3393.7
7.5°	4012.4	3960.5	3904.9	3801.3	3667.9	3608.6	3393.7	3149.2	3082.5	3023.2	2986.1
10°	4005.0	3945.8	3867.9	3712.3	3397.4	3293.6	3078.7	2919.5	2878.7	2867.6	2878.7
12.5°	3979.0	3923.5	3816.0	3556.7	3115.8	3045.5	2919.5	2826.8	2819.4	2838.0	2938.0
15°	3934.6	3882.8	3756.8	3349.2	2960.2	2908.3	2819.4	2786.1	2826.8	2956.5	3256.6
17.5°	3890.2	3830.9	3675.3	3145.5	2841.7	2804.6	2741.6	2808.3	3038.0	3212.1	3312.2
20°	3830.9	3760.5	3582.6	2997.2	2756.4	2723.1	2693.4	2993.6	3167.7	3230.7	3286.2
22.5°	3760.5	3686.4	3456.6	2893.6	2667.6	2641.6	2660.1	3097.3	3167.7	3212.1	3260.3
25°	3667.9	3604.9	3308.5	2812.1	2597.2	2567.5	2637.9	3086.2	3127.0	3138.1	3234.4
27.5°	3582.6	3501.1	3152.9	2737.9	2511.9	2500.8	2656.4	3038.0	3067.7	3078.7	3182.5
30°	3478.9	3356.6	2978.7	2660.1	2423.0	2419.3	2660.1	2978.7	2971.3	3001.0	3104.7
32.5°	3371.5	3141.7	2782.3	2563.8	2337.8	2334.1	2634.2	2889.8	2882.4	2923.2	3001.0
35°	3271.5	2975.1	2515.7	2452.7	2230.4	2234.0	2571.2	2786.1	2789.8	2826.8	2875.0
37.5°	3167.7	2830.6	2222.9	2330.4	2126.6	2126.6	2485.9	2689.8	2682.3	2693.4	2760.2
40°	3045.5	2604.6	1963.6	2171.0	2030.3	2019.2	2382.3	2586.1	2560.1	2556.4	2649.1
42.5°	2915.7	2356.3	1771.0	1959.9	1919.1	1904.3	2256.3	2460.1	2411.9	2423.0	2541.6
45°	2775.0	2289.7	1622.7	1656.1	1804.3	1793.1	2119.2	2315.5	2282.2	2311.9	2434.2
47.5°	2634.2	2156.3	1574.6	1374.5	1682.0	1678.4	1967.3	2174.8	2156.3	2185.9	2315.5
50°	2441.5	2008.0	1570.9	1178.2	1545.0	1559.7	1785.8	2037.7	2037.7	2063.6	2200.7
52.5°	2193.3	1826.5	1426.4	1067.0	1385.6	1430.1	1626.5	1919.1	1926.5	1952.5	2074.8
55°	1967.3	1637.6	1322.6	981.8	1196.7	1293.0	1470.9	1796.9	1811.7	1837.6	1948.8
57.5°	1759.9	1363.4	1300.5	881.8	1022.6	1115.2	1333.7	1678.4	1685.7	1708.0	1815.4
60°	1537.5	985.5	1193.0	774.3	870.7	941.1	1207.8	1537.5	1563.5	1578.3	1670.9
62.5°	1285.6	715.1	1081.8	700.2	796.6	811.4	1104.1	1404.1	1437.5	1448.6	1504.2
65°	915.1	600.2	918.8	637.3	718.8	722.4	992.9	1267.1	1296.7	1315.2	1356.0
67.5°	618.7	489.0	700.2	577.9	659.4	663.2	885.4	1107.7	1148.5	1163.3	1189.3
70°	429.8	326.0	518.7	515.0	592.8	600.2	770.7	963.3	1000.3	1011.4	1026.2
72.5°	314.9	263.0	429.8	463.1	522.4	529.8	652.1	800.3	837.3	848.4	855.8
75°	240.8	277.9	348.3	403.8	444.5	448.3	533.5	652.1	678.0	685.4	689.1
77.5°	192.6	259.4	255.6	326.0	363.0	355.7	418.7	503.9	526.1	526.1	526.1
80°	144.5	203.8	192.6	233.4	266.8	259.4	300.1	359.4	366.8	374.2	370.5
82.5°	107.4	129.6	129.6	148.2	177.9	170.4	200.0	233.4	233.4	233.4	240.8
85°	66.6	74.1	59.3	77.8	100.0	96.4	111.1	126.0	129.6	129.6	122.3
87.5°	40.8	33.4	18.5	29.6	44.5	44.5	51.9	55.6	51.9	51.9	51.9
90°	22.5	15.6	8.7	15.6	22.5	24.3	38.2	56.8	66.1	58.7	44.0
92.5°	153.0	93.8	34.8	93.8	153.0	167.8	235.8	326.6	372.0	326.0	234.1
95°	299.9	191.6	83.5	191.6	299.9	326.9	580.4	918.4	1087.4	970.4	736.3
97.5°	335.2	239.8	144.3	239.8	335.2	359.0	781.8	1345.4	1627.2	1553.2	1405.2
100°	364.3	277.8	191.2	277.8	364.3	385.9	855.1	1480.5	1793.2	1798.7	1809.5
102.5°	392.7	312.0	231.2	312.0	392.7	412.9	888.6	1523.0	1840.2	1934.5	2123.0
105°	435.8	367.4	299.0	367.4	435.8	452.9	913.6	1527.9	1835.0	2046.4	2469.0
107.5°	496.0	432.3	368.6	432.3	496.0	512.0	918.3	1459.9	1730.7	2025.5	2615.0
110°	530.6	473.1	415.5	473.1	530.6	545.0	911.2	1399.6	1643.8	1973.4	2632.4



TEST NUMBER: P934829

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	571.3	516.4	461.6	516.4	571.3	585.0	911.6	1347.0	1564.7	1901.9	2576.5
115°	632.3	581.7	531.1	581.7	632.3	644.9	919.9	1286.6	1469.9	1794.8	2444.6
117.5°	691.7	645.8	599.8	645.8	691.7	703.2	937.0	1248.8	1404.7	1697.9	2284.3
120°	726.3	683.1	639.8	683.1	726.3	737.1	951.0	1236.1	1378.6	1646.5	2182.4
122.5°	766.2	722.5	678.9	722.5	766.2	777.1	971.0	1229.4	1358.6	1599.8	2082.4
125°	818.5	778.7	738.9	778.7	818.5	828.4	997.9	1223.9	1336.9	1541.9	1951.8
127.5°	868.0	827.8	787.6	827.8	868.0	878.0	1024.9	1220.7	1318.7	1494.7	1846.6
130°	900.1	856.9	813.7	856.9	900.1	911.0	1044.5	1222.6	1311.7	1468.3	1781.6
132.5°	927.0	883.9	840.6	883.9	927.0	937.9	1060.4	1223.9	1305.6	1445.8	1726.3
135°	959.4	919.9	880.6	919.9	959.4	969.2	1077.9	1222.8	1295.2	1412.6	1647.5
137.5°	999.5	960.4	921.4	960.4	999.5	1009.2	1104.0	1230.3	1293.4	1392.7	1591.3
140°	1027.1	991.2	955.3	991.2	1027.1	1036.1	1119.9	1231.6	1287.4	1373.2	1544.7
142.5°	1047.8	1014.6	981.3	1014.6	1047.8	1056.1	1133.2	1236.0	1287.4	1362.7	1513.4
145°	1079.3	1050.3	1021.4	1050.3	1079.3	1086.6	1150.6	1236.0	1278.7	1340.3	1463.6
147.5°	1117.8	1089.6	1061.4	1089.6	1117.8	1124.8	1176.1	1244.5	1278.7	1327.2	1424.1
150°	1138.5	1113.0	1087.4	1113.0	1138.5	1144.8	1189.4	1249.0	1278.7	1319.6	1401.5
152.5°	1153.0	1133.7	1114.4	1133.7	1153.0	1157.8	1198.1	1251.9	1278.7	1313.6	1383.6
155°	1183.0	1168.7	1154.4	1168.7	1183.0	1186.5	1217.3	1258.2	1278.7	1306.5	1362.1
157.5°	1211.8	1197.8	1183.9	1197.8	1211.8	1215.2	1236.3	1264.6	1278.7	1300.3	1343.5
160°	1225.6	1214.7	1203.9	1214.7	1225.6	1228.3	1245.1	1267.5	1278.7	1297.2	1334.3
162.5°	1240.1	1232.0	1223.9	1232.0	1240.1	1242.1	1254.3	1270.5	1278.7	1294.3	1325.6
165°	1260.3	1253.0	1245.7	1253.0	1260.3	1262.1	1267.6	1275.0	1278.7	1289.9	1312.2
167.5°	1272.6	1269.1	1265.6	1269.1	1272.6	1273.4	1278.1	1284.3	1287.4	1294.7	1309.3
170°	1285.7	1282.1	1278.7	1282.1	1285.7	1286.5	1286.8	1287.2	1287.4	1294.7	1309.3
172.5°	1287.2	1286.3	1285.6	1286.3	1287.2	1287.4	1287.4	1287.4	1287.4	1293.2	1304.8
175°	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1292.6	1289.1	1287.4	1291.0	1298.4
177.5°	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1293.2	1290.5	1289.1	1292.0	1297.8
180°	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2



TEST NUMBER: P934829

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0
2.5°	3779.0	3767.9	3782.7	3741.9	3782.7	3767.9	3779.0	3804.9	3782.7	3797.5	3812.4
5°	3315.9	3297.4	3238.1	3190.0	3238.1	3297.4	3315.9	3393.7	3430.7	3497.4	3586.4
7.5°	2964.0	2949.1	2934.3	2904.6	2934.3	2949.1	2964.0	2986.1	3023.2	3082.5	3149.2
10°	2886.1	2889.8	2912.1	2908.3	2912.1	2889.8	2886.1	2878.7	2867.6	2878.7	2919.5
12.5°	3086.2	3119.5	3241.7	3234.4	3241.7	3119.5	3086.2	2938.0	2838.0	2819.4	2826.8
15°	3315.9	3327.0	3353.0	3356.6	3353.0	3327.0	3315.9	3256.6	2956.5	2826.8	2786.1
17.5°	3338.1	3341.9	3360.4	3360.4	3360.4	3341.9	3338.1	3312.2	3212.1	3038.0	2808.3
20°	3319.6	3327.0	3364.0	3371.5	3364.0	3327.0	3319.6	3286.2	3230.7	3167.7	2993.6
22.5°	3312.2	3327.0	3356.6	3353.0	3356.6	3327.0	3312.2	3260.3	3212.1	3167.7	3097.3
25°	3275.1	3275.1	3278.9	3282.5	3278.9	3275.1	3275.1	3234.4	3138.1	3127.0	3086.2
27.5°	3197.3	3204.7	3227.0	3223.2	3227.0	3204.7	3197.3	3182.5	3078.7	3067.7	3038.0
30°	3127.0	3119.5	3101.0	3086.2	3101.0	3119.5	3127.0	3104.7	3001.0	2971.3	2978.7
32.5°	3008.4	2989.8	2971.3	2960.2	2971.3	2989.8	3008.4	3001.0	2923.2	2882.4	2889.8
35°	2867.6	2871.3	2867.6	2856.5	2867.6	2871.3	2867.6	2875.0	2826.8	2789.8	2786.1
37.5°	2767.6	2775.0	2771.3	2756.4	2771.3	2775.0	2767.6	2760.2	2693.4	2682.3	2689.8
40°	2663.8	2667.6	2663.8	2652.7	2663.8	2667.6	2663.8	2649.1	2556.4	2560.1	2586.1
42.5°	2563.8	2560.1	2548.9	2541.6	2548.9	2560.1	2563.8	2541.6	2423.0	2411.9	2460.1
45°	2448.9	2452.7	2430.4	2419.3	2430.4	2452.7	2448.9	2434.2	2311.9	2282.2	2315.5
47.5°	2334.1	2334.1	2315.5	2304.4	2315.5	2334.1	2334.1	2315.5	2185.9	2156.3	2174.8
50°	2211.8	2208.1	2182.2	2178.5	2182.2	2208.1	2211.8	2200.7	2063.6	2037.7	2037.7
52.5°	2071.0	2071.0	2074.8	2082.2	2074.8	2071.0	2071.0	2074.8	1952.5	1926.5	1919.1
55°	1948.8	1952.5	1978.4	1985.8	1978.4	1952.5	1948.8	1948.8	1837.6	1811.7	1796.9
57.5°	1822.8	1822.8	1841.4	1841.4	1841.4	1822.8	1822.8	1815.4	1708.0	1685.7	1678.4
60°	1678.4	1685.7	1700.5	1696.9	1700.5	1685.7	1678.4	1670.9	1578.3	1563.5	1537.5
62.5°	1526.4	1533.9	1537.5	1530.1	1537.5	1533.9	1526.4	1504.2	1448.6	1437.5	1404.1
65°	1367.1	1374.5	1378.2	1370.8	1378.2	1374.5	1367.1	1356.0	1315.2	1296.7	1267.1
67.5°	1204.1	1200.3	1196.7	1211.5	1196.7	1200.3	1204.1	1189.3	1163.3	1148.5	1107.7
70°	1037.3	1037.3	1033.7	1041.1	1033.7	1037.3	1037.3	1026.2	1011.4	1000.3	963.3
72.5°	859.6	855.8	870.7	859.6	870.7	855.8	859.6	855.8	848.4	837.3	800.3
75°	685.4	692.8	685.4	696.5	685.4	692.8	685.4	689.1	685.4	678.0	652.1
77.5°	522.4	529.8	522.4	522.4	522.4	529.8	522.4	526.1	526.1	526.1	503.9
80°	370.5	366.8	366.8	363.0	366.8	366.8	370.5	370.5	374.2	366.8	359.4
82.5°	237.1	233.4	233.4	240.8	233.4	233.4	237.1	240.8	233.4	233.4	233.4
85°	129.6	133.4	126.0	126.0	126.0	133.4	129.6	122.3	129.6	129.6	126.0
87.5°	48.1	44.5	44.5	44.5	44.5	44.5	48.1	51.9	51.9	51.9	55.6
90°	33.0	33.0	33.0	33.0	33.0	33.0	33.0	44.0	58.7	66.1	56.8
92.5°	165.2	158.6	132.4	106.1	132.4	158.6	165.2	234.1	326.0	372.0	326.6
95°	560.6	540.7	461.2	381.6	461.2	540.7	560.6	736.3	970.4	1087.4	918.4
97.5°	1294.3	1256.4	1105.0	953.6	1105.0	1256.4	1294.3	1405.2	1553.2	1627.2	1345.4
100°	1817.6	1772.5	1592.1	1411.7	1592.1	1772.5	1817.6	1809.5	1798.7	1793.2	1480.5
102.5°	2264.4	2225.8	2071.2	1916.7	2071.2	2225.8	2264.4	2123.0	1934.5	1840.2	1523.0
105°	2786.0	2765.2	2682.1	2599.0	2682.1	2765.2	2786.0	2469.0	2046.4	1835.0	1527.9
107.5°	3057.1	3062.2	3082.3	3102.4	3082.3	3062.2	3057.1	2615.0	2025.5	1730.7	1459.9
110°	3126.7	3148.3	3234.8	3321.4	3234.8	3148.3	3126.7	2632.4	1973.4	1643.8	1399.6



TEST NUMBER: P934829

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3082.4	3115.6	3248.5	3381.4	3248.5	3115.6	3082.4	2576.5	1901.9	1564.7	1347.0
115°	2932.0	2978.1	3162.3	3346.6	3162.3	2978.1	2932.0	2444.6	1794.8	1469.9	1286.6
117.5°	2724.2	2775.3	2979.7	3184.1	2979.7	2775.3	2724.2	2284.3	1697.9	1404.7	1248.8
120°	2584.3	2633.9	2832.5	3031.1	2832.5	2633.9	2584.3	2182.4	1646.5	1378.6	1236.1
122.5°	2444.3	2493.3	2689.1	2885.1	2689.1	2493.3	2444.3	2082.4	1599.8	1358.6	1229.4
125°	2259.2	2304.3	2484.7	2665.1	2484.7	2304.3	2259.2	1951.8	1541.9	1336.9	1223.9
127.5°	2110.6	2148.6	2300.9	2453.0	2300.9	2148.6	2110.6	1846.6	1494.7	1318.7	1220.7
130°	2016.6	2051.8	2192.4	2333.1	2192.4	2051.8	2016.6	1781.6	1468.3	1311.7	1222.6
132.5°	1936.7	1968.2	2094.1	2220.1	2094.1	1968.2	1936.7	1726.3	1445.8	1305.6	1223.9
135°	1823.7	1850.8	1959.4	2067.9	1959.4	1850.8	1823.7	1647.5	1412.6	1295.2	1222.8
137.5°	1740.2	1762.5	1851.3	1940.2	1851.3	1762.5	1740.2	1591.3	1392.7	1293.4	1230.3
140°	1673.3	1694.1	1777.2	1860.2	1777.2	1694.1	1673.3	1544.7	1373.2	1287.4	1231.6
142.5°	1626.4	1644.2	1715.7	1787.2	1715.7	1644.2	1626.4	1513.4	1362.7	1287.4	1236.0
145°	1556.0	1569.6	1623.6	1677.6	1623.6	1569.6	1556.0	1463.6	1340.3	1278.7	1236.0
147.5°	1496.8	1508.1	1552.8	1597.7	1552.8	1508.1	1496.8	1424.1	1327.2	1278.7	1244.5
150°	1462.9	1472.0	1508.3	1544.7	1508.3	1472.0	1462.9	1401.5	1319.6	1278.7	1249.0
152.5°	1436.0	1442.8	1470.3	1497.7	1470.3	1442.8	1436.0	1383.6	1313.6	1278.7	1251.9
155°	1403.8	1408.4	1426.5	1444.7	1426.5	1408.4	1403.8	1362.1	1306.5	1278.7	1258.2
157.5°	1376.0	1379.2	1392.0	1404.7	1392.0	1379.2	1376.0	1343.5	1300.3	1278.7	1264.6
160°	1362.1	1364.0	1371.3	1378.6	1371.3	1364.0	1362.1	1334.3	1297.2	1278.7	1267.5
162.5°	1349.1	1350.8	1357.8	1364.8	1357.8	1350.8	1349.1	1325.6	1294.3	1278.7	1270.5
165°	1329.1	1330.9	1338.2	1345.6	1338.2	1330.9	1329.1	1312.2	1289.9	1278.7	1275.0
167.5°	1320.4	1321.1	1324.3	1327.4	1324.3	1321.1	1320.4	1309.3	1294.7	1287.4	1284.3
170°	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4	1309.3	1294.7	1287.4	1287.2
172.5°	1313.4	1312.8	1310.1	1307.4	1310.1	1312.8	1313.4	1304.8	1293.2	1287.4	1287.4
175°	1303.9	1303.9	1303.9	1303.9	1303.9	1303.9	1303.9	1298.4	1291.0	1287.4	1289.1
177.5°	1302.1	1301.4	1298.3	1295.2	1298.3	1301.4	1302.1	1297.8	1292.0	1289.1	1290.5
180°	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2



TEST NUMBER: P934829

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	3916.0	3916.0	3916.0	3916.0	3916.0
2.5°	3867.9	3886.4	3897.5	3912.4	3949.4
5°	3719.8	3790.1	3812.4	3867.9	3934.6
7.5°	3393.7	3608.6	3667.9	3801.3	3904.9
10°	3078.7	3293.6	3397.4	3712.3	3867.9
12.5°	2919.5	3045.5	3115.8	3556.7	3816.0
15°	2819.4	2908.3	2960.2	3349.2	3756.8
17.5°	2741.6	2804.6	2841.7	3145.5	3675.3
20°	2693.4	2723.1	2756.4	2997.2	3582.6
22.5°	2660.1	2641.6	2667.6	2893.6	3456.6
25°	2637.9	2567.5	2597.2	2812.1	3308.5
27.5°	2656.4	2500.8	2511.9	2737.9	3152.9
30°	2660.1	2419.3	2423.0	2660.1	2978.7
32.5°	2634.2	2334.1	2337.8	2563.8	2782.3
35°	2571.2	2234.0	2230.4	2452.7	2515.7
37.5°	2485.9	2126.6	2126.6	2330.4	2222.9
40°	2382.3	2019.2	2030.3	2171.0	1963.6
42.5°	2256.3	1904.3	1919.1	1959.9	1771.0
45°	2119.2	1793.1	1804.3	1656.1	1622.7
47.5°	1967.3	1678.4	1682.0	1374.5	1574.6
50°	1785.8	1559.7	1545.0	1178.2	1570.9
52.5°	1626.5	1430.1	1385.6	1067.0	1426.4
55°	1470.9	1293.0	1196.7	981.8	1322.6
57.5°	1333.7	1115.2	1022.6	881.8	1300.5
60°	1207.8	941.1	870.7	774.3	1193.0
62.5°	1104.1	811.4	796.6	700.2	1081.8
65°	992.9	722.4	718.8	637.3	918.8
67.5°	885.4	663.2	659.4	577.9	700.2
70°	770.7	600.2	592.8	515.0	518.7
72.5°	652.1	529.8	522.4	463.1	429.8
75°	533.5	448.3	444.5	403.8	348.3
77.5°	418.7	355.7	363.0	326.0	255.6
80°	300.1	259.4	266.8	233.4	192.6
82.5°	200.0	170.4	177.9	148.2	129.6
85°	111.1	96.4	100.0	77.8	59.3
87.5°	51.9	44.5	44.5	29.6	18.5
90°	38.2	24.3	22.5	15.6	8.7
92.5°	235.8	167.8	153.0	93.8	34.8
95°	580.4	326.9	299.9	191.6	83.5
97.5°	781.8	359.0	335.2	239.8	144.3
100°	855.1	385.9	364.3	277.8	191.2
102.5°	888.6	412.9	392.7	312.0	231.2
105°	913.6	452.9	435.8	367.4	299.0
107.5°	918.3	512.0	496.0	432.3	368.6
110°	911.2	545.0	530.6	473.1	415.5



TEST NUMBER: P934829

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	911.6	585.0	571.3	516.4	461.6
115°	919.9	644.9	632.3	581.7	531.1
117.5°	937.0	703.2	691.7	645.8	599.8
120°	951.0	737.1	726.3	683.1	639.8
122.5°	971.0	777.1	766.2	722.5	678.9
125°	997.9	828.4	818.5	778.7	738.9
127.5°	1024.9	878.0	868.0	827.8	787.6
130°	1044.5	911.0	900.1	856.9	813.7
132.5°	1060.4	937.9	927.0	883.9	840.6
135°	1077.9	969.2	959.4	919.9	880.6
137.5°	1104.0	1009.2	999.5	960.4	921.4
140°	1119.9	1036.1	1027.1	991.2	955.3
142.5°	1133.2	1056.1	1047.8	1014.6	981.3
145°	1150.6	1086.6	1079.3	1050.3	1021.4
147.5°	1176.1	1124.8	1117.8	1089.6	1061.4
150°	1189.4	1144.8	1138.5	1113.0	1087.4
152.5°	1198.1	1157.8	1153.0	1133.7	1114.4
155°	1217.3	1186.5	1183.0	1168.7	1154.4
157.5°	1236.3	1215.2	1211.8	1197.8	1183.9
160°	1245.1	1228.3	1225.6	1214.7	1203.9
162.5°	1254.3	1242.1	1240.1	1232.0	1223.9
165°	1267.6	1262.1	1260.3	1253.0	1245.7
167.5°	1278.1	1273.4	1272.6	1269.1	1265.6
170°	1286.8	1286.5	1285.7	1282.1	1278.7
172.5°	1287.4	1287.4	1287.2	1286.3	1285.6
175°	1292.6	1295.2	1295.2	1295.2	1295.2
177.5°	1293.2	1295.2	1295.2	1295.2	1295.2
180°	1295.2	1295.2	1295.2	1295.2	1295.2



TEST NUMBER: P934829  
 CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-5000K

**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	13.91	14.81	14.82	15.75	16.95	16.76	17.66	17.67	18.60	19.80
	3H	14.39	15.20	15.31	16.14	17.37	18.11	18.92	19.04	19.87	21.09
	4H	14.58	15.35	15.52	16.30	17.53	18.56	19.33	19.51	20.28	21.51
	6H	14.70	15.41	15.65	16.36	17.61	18.86	19.56	19.81	20.52	21.77
	8H	14.70	15.38	15.66	16.35	17.59	18.93	19.61	19.90	20.58	21.83
	12H	14.68	15.32	15.64	16.28	17.55	18.98	19.62	19.94	20.58	21.86
4H	2H	14.95	15.72	15.90	16.66	17.90	17.17	17.94	18.12	18.89	20.12
	3H	15.98	16.62	16.94	17.60	18.85	18.69	19.33	19.65	20.31	21.55
	4H	16.26	16.84	17.23	17.81	19.09	19.22	19.81	20.19	20.78	22.05
	6H	16.39	16.89	17.37	17.88	19.16	19.60	20.10	20.58	21.09	22.37
	8H	16.39	16.86	17.37	17.85	19.14	19.71	20.18	20.69	21.17	22.45
	12H	16.36	16.79	17.36	17.79	19.08	19.77	20.19	20.77	21.20	22.49
8H	4H	16.72	17.19	17.70	18.18	19.47	19.35	19.82	20.33	20.81	22.10
	6H	16.98	17.37	17.99	18.40	19.69	19.79	20.18	20.80	21.21	22.50
	8H	17.03	17.37	18.04	18.39	19.69	19.95	20.29	20.96	21.31	22.61
	12H	17.01	17.31	18.03	18.33	19.67	20.05	20.36	21.07	21.37	22.72
12H	4H	16.73	17.15	17.73	18.16	19.45	19.32	19.74	20.32	20.75	22.04
	6H	17.04	17.39	18.06	18.41	19.71	19.79	20.13	20.81	21.15	22.46
	8H	17.11	17.42	18.13	18.43	19.78	19.96	20.26	20.98	21.27	22.62