

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: P934729

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

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934729
REPORT IS A COMBINATION OF REPORTS P933709 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-12-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

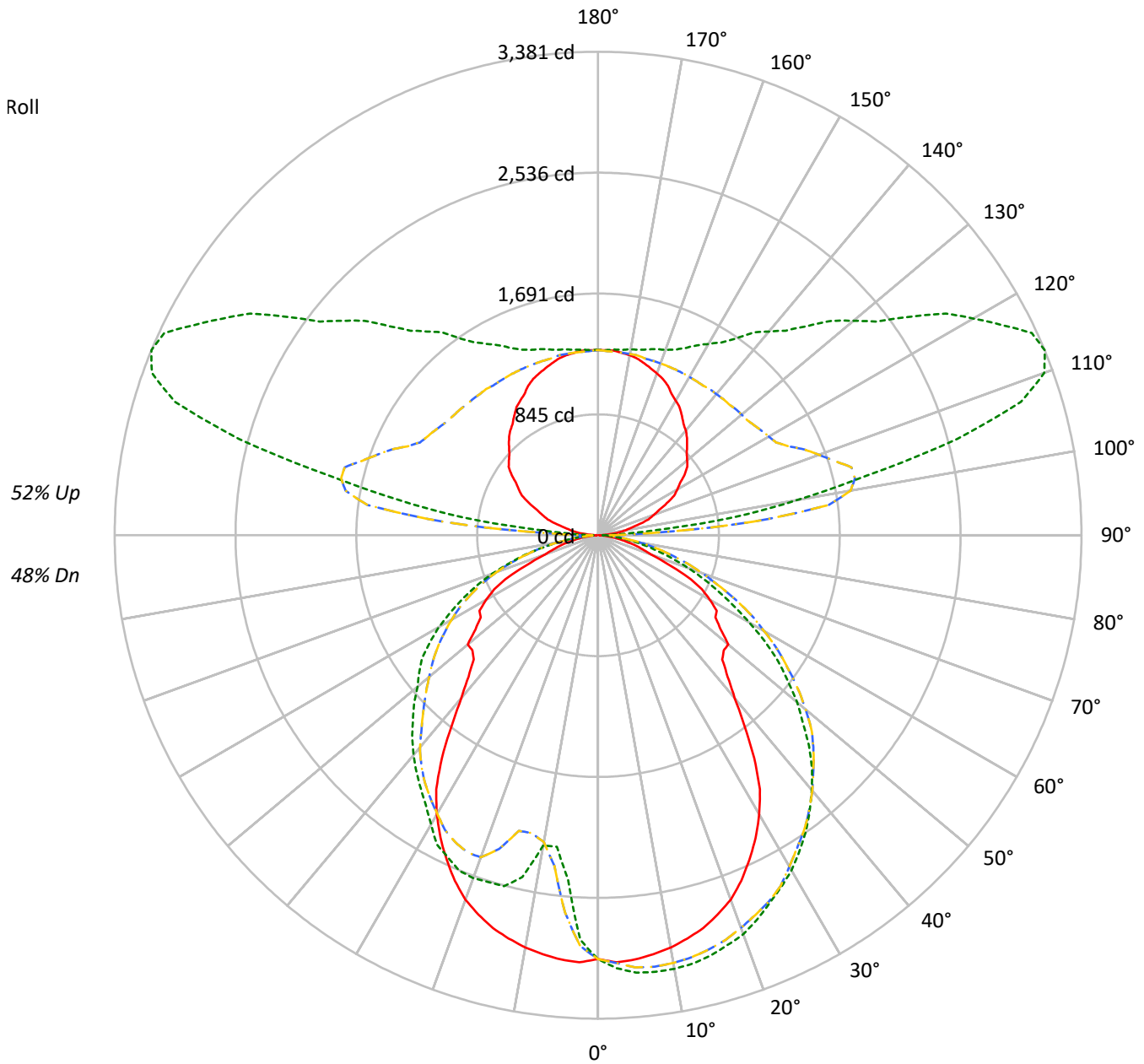
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16086.2 lumens
Efficiency: N/A
Efficacy: 126.5 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): 127.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48
1	97	93	89	86	89	86	82	79	72	70	68	60	58	56	48	47	46	40
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	40	39	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	29
4	74	63	55	49	68	58	52	46	49	44	40	41	37	34	33	31	28	25
5	68	56	48	42	62	52	45	40	44	39	34	37	33	29	30	27	25	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19
7	58	45	38	32	53	42	35	30	36	30	26	30	26	23	25	22	19	17
8	54	41	33	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9168	9168	9168	9168
5°	9240	9255	9240	7277
10°	9181	9116	9181	6517
15°	9085	8919	9085	7447
20°	8899	8685	8899	7463
25°	8513	8344	8513	7305
30°	8014	8060	8014	6957
35°	7148	7702	7148	6576
40°	5959	7280	5959	6287
45°	5328	6786	5328	5956
50°	5665	6197	5665	5623
55°	5335	5563	5335	5431
60°	5506	4724	5506	4974
65°	5000	3905	5000	4365
70°	3471	3112	3471	3659
75°	3055	2300	3055	2755
80°	2480	1521	2480	1656
85°	1455	806	1455	684

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8161 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.6	1.7
10°-20°	759.7	4.7
20°-30°	1174.3	7.3
30°-40°	1401.8	8.7
40°-50°	1410.1	8.8
50°-60°	1226.9	7.6
60°-70°	869.9	5.4
70°-80°	460.2	2.9
80°-90°	119.6	0.7
90°-100°	631.3	3.9
100°-110°	1659.8	10.3
110°-120°	1721.1	10.7
120°-130°	1380.5	8.6
130°-140°	1083.2	6.7
140°-150°	831.4	5.2
150°-160°	598.7	3.7
160°-170°	366.3	2.3
170°-180°	123.8	0.8
0°-30°	2201.5	13.7
0°-40°	3603.4	22.4
0°-60°	6240.3	38.8
0°-90°	7690.0	47.8
90°-120°	4012.2	24.9
90°-150°	7307.3	45.4
90°-180°	8396.0	52.2
0°-180°	16086.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2964	2964	2964	2964	2964	
5°	2978	3071	2978	2414	2978	283
15°	2844	3043	2844	2541	2844	800
25°	2504	2838	2504	2484	2504	1150
35°	1904	2532	1904	2162	1904	1178
45°	1228	2086	1228	1831	1228	984
55°	1001	1540	1001	1503	1001	920
65°	695	928	695	1038	695	665
75°	264	440	264	527	264	277
85°	45	112	45	95	45	61
90°	9	33	9	33	9	9
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	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0
2.5°	2989.3	2989.3	3006.1	3011.7	3011.7	3003.3	2994.9	3003.3	3028.5	3037.0	3034.1
5°	2978.1	3000.5	3031.3	3037.0	3042.6	3039.8	3034.1	3039.8	3067.8	3073.4	3076.2
7.5°	2955.6	2997.7	3037.0	3045.4	3053.8	3045.4	3042.6	3048.2	3076.2	3081.8	3081.8
10°	2927.6	2986.5	3031.3	3037.0	3045.4	3037.0	3037.0	3048.2	3076.2	3081.8	3084.6
12.5°	2888.3	2969.7	3011.7	3017.3	3028.5	3025.7	3022.9	3034.1	3062.2	3067.8	3067.8
15°	2843.5	2938.8	2978.1	2983.7	3003.3	2997.7	2997.7	3008.9	3039.8	3048.2	3045.4
17.5°	2781.8	2899.6	2944.4	2952.8	2966.9	2964.0	2966.9	2978.1	3006.1	3011.7	3014.5
20°	2711.7	2846.3	2899.6	2908.0	2922.0	2922.0	2922.0	2936.0	2964.0	2975.3	2975.3
22.5°	2616.3	2790.2	2846.3	2851.9	2868.7	2868.7	2874.3	2893.9	2919.2	2922.0	2922.0
25°	2504.2	2728.5	2776.2	2793.0	2809.8	2818.2	2826.6	2837.9	2846.3	2843.5	2846.3
27.5°	2386.3	2650.0	2711.7	2722.9	2745.3	2753.7	2765.0	2767.8	2770.6	2779.0	2773.4
30°	2254.5	2540.6	2633.2	2644.4	2680.8	2686.4	2675.2	2680.8	2694.9	2700.5	2706.1
32.5°	2105.9	2377.9	2551.8	2577.1	2610.7	2593.9	2591.1	2599.5	2621.9	2621.9	2627.6
35°	1904.0	2251.7	2476.1	2498.6	2523.8	2504.2	2515.4	2518.2	2532.2	2540.6	2537.8
37.5°	1682.5	2142.3	2397.5	2414.3	2434.0	2408.7	2425.6	2434.0	2445.2	2439.6	2439.6
40°	1486.2	1971.3	2305.0	2316.2	2333.0	2313.4	2330.2	2335.8	2341.4	2335.8	2333.0
42.5°	1340.4	1783.4	2206.8	2220.9	2209.6	2223.7	2229.3	2240.5	2232.1	2220.9	2220.9
45°	1228.2	1732.9	2100.3	2117.1	2100.3	2122.7	2131.1	2131.1	2105.9	2100.3	2097.5
47.5°	1191.8	1632.0	1993.7	1993.7	1985.3	2013.4	2027.4	2007.7	1982.5	1974.1	1974.1
50°	1188.9	1519.8	1847.9	1836.7	1876.0	1909.6	1895.6	1876.0	1856.3	1825.5	1825.5
52.5°	1079.6	1382.4	1660.0	1702.1	1763.8	1783.4	1761.0	1741.4	1707.7	1693.7	1682.5
55°	1001.1	1239.4	1489.0	1573.1	1637.6	1662.8	1620.8	1601.2	1550.7	1542.3	1536.7
57.5°	984.2	1031.9	1332.0	1438.5	1517.0	1514.2	1489.0	1452.5	1410.5	1402.1	1399.3
60°	902.9	745.9	1163.7	1289.9	1371.2	1362.8	1340.4	1306.7	1267.5	1261.9	1256.2
62.5°	818.8	541.2	973.0	1116.0	1231.0	1228.2	1208.6	1158.1	1130.1	1116.0	1104.8
65°	695.4	454.3	692.6	928.2	1093.6	1099.2	1057.2	1020.7	989.9	973.0	970.2
67.5°	530.0	370.1	468.3	773.9	961.8	956.2	902.9	886.1	846.8	838.4	821.6
70°	392.6	246.8	325.3	628.1	832.8	818.8	776.7	757.1	720.7	701.0	689.8
72.5°	325.3	199.1	238.4	487.9	701.0	684.2	647.8	625.3	594.5	577.6	566.4
75°	263.6	210.3	182.3	361.7	569.2	558.0	524.4	501.9	476.7	454.3	457.1
77.5°	193.5	196.3	145.8	266.4	451.5	434.6	415.0	387.0	375.8	353.3	353.3
80°	145.8	154.2	109.4	182.3	325.3	325.3	308.5	288.8	269.2	258.0	258.0
82.5°	98.1	98.1	81.3	115.0	221.5	213.1	201.9	196.3	185.1	179.5	179.5
85°	44.9	56.1	50.5	70.1	120.6	126.2	126.2	120.6	117.8	112.2	115.0
87.5°	14.0	25.2	30.8	39.3	61.7	64.5	67.3	67.3	67.3	70.1	70.1
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



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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



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0
2.5°	3039.8	3031.3	3039.8	3034.1	3037.0	3028.5	3003.3	2994.9	3003.3	3011.7	3011.7
5°	3076.2	3070.6	3076.2	3076.2	3073.4	3067.8	3039.8	3034.1	3039.8	3042.6	3037.0
7.5°	3087.4	3079.0	3087.4	3081.8	3081.8	3076.2	3048.2	3042.6	3045.4	3053.8	3045.4
10°	3087.4	3079.0	3087.4	3084.6	3081.8	3076.2	3048.2	3037.0	3037.0	3045.4	3037.0
12.5°	3073.4	3067.8	3073.4	3067.8	3067.8	3062.2	3034.1	3022.9	3025.7	3028.5	3017.3
15°	3051.0	3042.6	3051.0	3045.4	3048.2	3039.8	3008.9	2997.7	2997.7	3003.3	2983.7
17.5°	3017.3	3006.1	3017.3	3014.5	3011.7	3006.1	2978.1	2966.9	2964.0	2966.9	2952.8
20°	2978.1	2969.7	2978.1	2975.3	2975.3	2964.0	2936.0	2922.0	2922.0	2922.0	2908.0
22.5°	2916.4	2908.0	2916.4	2922.0	2922.0	2919.2	2893.9	2874.3	2868.7	2868.7	2851.9
25°	2846.3	2837.9	2846.3	2846.3	2843.5	2846.3	2837.9	2826.6	2818.2	2809.8	2793.0
27.5°	2779.0	2773.4	2779.0	2773.4	2779.0	2770.6	2767.8	2765.0	2753.7	2745.3	2722.9
30°	2711.7	2706.1	2711.7	2706.1	2700.5	2694.9	2680.8	2675.2	2686.4	2680.8	2644.4
32.5°	2627.6	2621.9	2627.6	2627.6	2621.9	2621.9	2599.5	2591.1	2593.9	2610.7	2577.1
35°	2540.6	2532.2	2540.6	2537.8	2540.6	2532.2	2518.2	2515.4	2504.2	2523.8	2498.6
37.5°	2439.6	2431.2	2439.6	2439.6	2439.6	2445.2	2434.0	2425.6	2408.7	2434.0	2414.3
40°	2335.8	2324.6	2335.8	2333.0	2335.8	2341.4	2335.8	2330.2	2313.4	2333.0	2316.2
42.5°	2218.1	2215.3	2218.1	2220.9	2220.9	2232.1	2240.5	2229.3	2223.7	2209.6	2220.9
45°	2091.9	2086.3	2091.9	2097.5	2100.3	2105.9	2131.1	2131.1	2122.7	2100.3	2117.1
47.5°	1957.3	1943.3	1957.3	1974.1	1974.1	1982.5	2007.7	2027.4	2013.4	1985.3	1993.7
50°	1814.3	1817.1	1814.3	1825.5	1825.5	1856.3	1876.0	1895.6	1909.6	1876.0	1836.7
52.5°	1674.1	1671.3	1674.1	1682.5	1693.7	1707.7	1741.4	1761.0	1783.4	1763.8	1702.1
55°	1533.9	1539.5	1533.9	1536.7	1542.3	1550.7	1601.2	1620.8	1662.8	1637.6	1573.1
57.5°	1393.6	1385.2	1393.6	1399.3	1402.1	1410.5	1452.5	1489.0	1514.2	1517.0	1438.5
60°	1231.0	1219.8	1231.0	1256.2	1261.9	1267.5	1306.7	1340.4	1362.8	1371.2	1289.9
62.5°	1088.0	1068.4	1088.0	1104.8	1116.0	1130.1	1158.1	1208.6	1228.2	1231.0	1116.0
65°	936.6	928.2	936.6	970.2	973.0	989.9	1020.7	1057.2	1099.2	1093.6	928.2
67.5°	799.2	799.2	799.2	821.6	838.4	846.8	886.1	902.9	956.2	961.8	773.9
70°	673.0	670.2	673.0	689.8	701.0	720.7	757.1	776.7	818.8	832.8	628.1
72.5°	552.4	549.6	552.4	566.4	577.6	594.5	625.3	647.8	684.2	701.0	487.9
75°	445.9	440.2	445.9	457.1	454.3	476.7	501.9	524.4	558.0	569.2	361.7
77.5°	342.1	342.1	342.1	353.3	353.3	375.8	387.0	415.0	434.6	451.5	266.4
80°	255.2	252.4	255.2	258.0	258.0	269.2	288.8	308.5	325.3	325.3	182.3
82.5°	179.5	173.9	179.5	179.5	179.5	185.1	196.3	201.9	213.1	221.5	115.0
85°	112.2	112.2	112.2	115.0	112.2	117.8	120.6	126.2	126.2	120.6	70.1
87.5°	72.9	70.1	72.9	70.1	70.1	67.3	67.3	67.3	64.5	61.7	39.3
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: P934729

CATALOG NUMBER: SQ4-FA-075U-075D-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: P934729

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0
2.5°	3006.1	2989.3	2989.3	2961.2	2950.0	2941.6	2927.6	2885.5	2874.3	2863.1	2879.9
5°	3031.3	3000.5	2978.1	2927.6	2885.5	2868.7	2815.4	2714.5	2647.2	2596.7	2568.7
7.5°	3037.0	2997.7	2955.6	2877.1	2776.2	2731.3	2568.7	2383.5	2333.0	2288.2	2260.1
10°	3031.3	2986.5	2927.6	2809.8	2571.5	2493.0	2330.2	2209.6	2178.8	2170.4	2178.8
12.5°	3011.7	2969.7	2888.3	2692.0	2358.3	2305.0	2209.6	2139.5	2133.9	2148.0	2223.7
15°	2978.1	2938.8	2843.5	2535.0	2240.5	2201.2	2133.9	2108.7	2139.5	2237.7	2464.8
17.5°	2944.4	2899.6	2781.8	2380.7	2150.8	2122.7	2075.0	2125.5	2299.4	2431.2	2507.0
20°	2899.6	2846.3	2711.7	2268.5	2086.3	2061.0	2038.6	2265.7	2397.5	2445.2	2487.3
22.5°	2846.3	2790.2	2616.3	2190.0	2019.0	1999.3	2013.4	2344.2	2397.5	2431.2	2467.6
25°	2776.2	2728.5	2504.2	2128.3	1965.7	1943.3	1996.5	2335.8	2366.7	2375.1	2448.0
27.5°	2711.7	2650.0	2386.3	2072.2	1901.2	1892.8	2010.6	2299.4	2321.8	2330.2	2408.7
30°	2633.2	2540.6	2254.5	2013.4	1833.9	1831.1	2013.4	2254.5	2248.9	2271.3	2349.9
32.5°	2551.8	2377.9	2105.9	1940.4	1769.4	1766.6	1993.7	2187.2	2181.6	2212.4	2271.3
35°	2476.1	2251.7	1904.0	1856.3	1688.1	1690.9	1946.1	2108.7	2111.5	2139.5	2176.0
37.5°	2397.5	2142.3	1682.5	1763.8	1609.6	1609.6	1881.6	2035.8	2030.2	2038.6	2089.1
40°	2305.0	1971.3	1486.2	1643.2	1536.7	1528.2	1803.0	1957.3	1937.6	1934.8	2004.9
42.5°	2206.8	1783.4	1340.4	1483.4	1452.5	1441.3	1707.7	1861.9	1825.5	1833.9	1923.6
45°	2100.3	1732.9	1228.2	1253.4	1365.6	1357.2	1604.0	1752.6	1727.3	1749.8	1842.3
47.5°	1993.7	1632.0	1191.8	1040.3	1273.1	1270.3	1489.0	1646.0	1632.0	1654.4	1752.6
50°	1847.9	1519.8	1188.9	891.7	1169.3	1180.5	1351.6	1542.3	1542.3	1561.9	1665.6
52.5°	1660.0	1382.4	1079.6	807.6	1048.7	1082.4	1231.0	1452.5	1458.1	1477.8	1570.3
55°	1489.0	1239.4	1001.1	743.1	905.7	978.6	1113.2	1360.0	1371.2	1390.8	1475.0
57.5°	1332.0	1031.9	984.2	667.4	773.9	844.0	1009.5	1270.3	1275.9	1292.7	1374.0
60°	1163.7	745.9	902.9	586.1	659.0	712.2	914.1	1163.7	1183.3	1194.6	1264.7
62.5°	973.0	541.2	818.8	530.0	602.9	614.1	835.6	1062.8	1088.0	1096.4	1138.5
65°	692.6	454.3	695.4	482.3	544.0	546.8	751.5	959.0	981.4	995.5	1026.3
67.5°	468.3	370.1	530.0	437.4	499.1	501.9	670.2	838.4	869.3	880.5	900.1
70°	325.3	246.8	392.6	389.8	448.7	454.3	583.3	729.1	757.1	765.5	776.7
72.5°	238.4	199.1	325.3	350.5	395.4	401.0	493.5	605.7	633.7	642.1	647.8
75°	182.3	210.3	263.6	305.6	336.5	339.3	403.8	493.5	513.2	518.8	521.6
77.5°	145.8	196.3	193.5	246.8	274.8	269.2	316.9	381.4	398.2	398.2	398.2
80°	109.4	154.2	145.8	176.7	201.9	196.3	227.1	272.0	277.6	283.2	280.4
82.5°	81.3	98.1	98.1	112.2	134.6	129.0	151.4	176.7	176.7	176.7	182.3
85°	50.5	56.1	44.9	58.9	75.7	72.9	84.1	95.3	98.1	98.1	92.5
87.5°	30.8	25.2	14.0	22.4	33.6	33.6	39.3	42.1	39.3	39.3	39.3
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: P934729

CATALOG NUMBER: SQ4-FA-075U-075D-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: P934729

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

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0
2.5°	2860.3	2851.9	2863.1	2832.3	2863.1	2851.9	2860.3	2879.9	2863.1	2874.3	2885.5
5°	2509.8	2495.8	2450.8	2414.3	2450.8	2495.8	2509.8	2568.7	2596.7	2647.2	2714.5
7.5°	2243.3	2232.1	2220.9	2198.4	2220.9	2232.1	2243.3	2260.1	2288.2	2333.0	2383.5
10°	2184.4	2187.2	2204.0	2201.2	2204.0	2187.2	2184.4	2178.8	2170.4	2178.8	2209.6
12.5°	2335.8	2361.1	2453.6	2448.0	2453.6	2361.1	2335.8	2223.7	2148.0	2133.9	2139.5
15°	2509.8	2518.2	2537.8	2540.6	2537.8	2518.2	2509.8	2464.8	2237.7	2139.5	2108.7
17.5°	2526.6	2529.4	2543.4	2543.4	2543.4	2529.4	2526.6	2507.0	2431.2	2299.4	2125.5
20°	2512.6	2518.2	2546.2	2551.8	2546.2	2518.2	2512.6	2487.3	2445.2	2397.5	2265.7
22.5°	2507.0	2518.2	2540.6	2537.8	2540.6	2518.2	2507.0	2467.6	2431.2	2397.5	2344.2
25°	2478.9	2478.9	2481.7	2484.5	2481.7	2478.9	2478.9	2448.0	2375.1	2366.7	2335.8
27.5°	2420.0	2425.6	2442.4	2439.6	2442.4	2425.6	2420.0	2408.7	2330.2	2321.8	2299.4
30°	2366.7	2361.1	2347.0	2335.8	2347.0	2361.1	2366.7	2349.9	2271.3	2248.9	2254.5
32.5°	2276.9	2262.9	2248.9	2240.5	2248.9	2262.9	2276.9	2271.3	2212.4	2181.6	2187.2
35°	2170.4	2173.2	2170.4	2162.0	2170.4	2173.2	2170.4	2176.0	2139.5	2111.5	2108.7
37.5°	2094.7	2100.3	2097.5	2086.3	2097.5	2100.3	2094.7	2089.1	2038.6	2030.2	2035.8
40°	2016.2	2019.0	2016.2	2007.7	2016.2	2019.0	2016.2	2004.9	1934.8	1937.6	1957.3
42.5°	1940.4	1937.6	1929.2	1923.6	1929.2	1937.6	1940.4	1923.6	1833.9	1825.5	1861.9
45°	1853.5	1856.3	1839.5	1831.1	1839.5	1856.3	1853.5	1842.3	1749.8	1727.3	1752.6
47.5°	1766.6	1766.6	1752.6	1744.2	1752.6	1766.6	1766.6	1752.6	1654.4	1632.0	1646.0
50°	1674.1	1671.3	1651.6	1648.8	1651.6	1671.3	1674.1	1665.6	1561.9	1542.3	1542.3
52.5°	1567.5	1567.5	1570.3	1575.9	1570.3	1567.5	1567.5	1570.3	1477.8	1458.1	1452.5
55°	1475.0	1477.8	1497.4	1503.0	1497.4	1477.8	1475.0	1475.0	1390.8	1371.2	1360.0
57.5°	1379.6	1379.6	1393.6	1393.6	1393.6	1379.6	1379.6	1374.0	1292.7	1275.9	1270.3
60°	1270.3	1275.9	1287.1	1284.3	1287.1	1275.9	1270.3	1264.7	1194.6	1183.3	1163.7
62.5°	1155.3	1160.9	1163.7	1158.1	1163.7	1160.9	1155.3	1138.5	1096.4	1088.0	1062.8
65°	1034.7	1040.3	1043.1	1037.5	1043.1	1040.3	1034.7	1026.3	995.5	981.4	959.0
67.5°	911.3	908.5	905.7	916.9	905.7	908.5	911.3	900.1	880.5	869.3	838.4
70°	785.2	785.2	782.3	788.0	782.3	785.2	785.2	776.7	765.5	757.1	729.1
72.5°	650.6	647.8	659.0	650.6	659.0	647.8	650.6	647.8	642.1	633.7	605.7
75°	518.8	524.4	518.8	527.2	518.8	524.4	518.8	521.6	518.8	513.2	493.5
77.5°	395.4	401.0	395.4	395.4	395.4	401.0	395.4	398.2	398.2	398.2	381.4
80°	280.4	277.6	277.6	274.8	277.6	277.6	280.4	280.4	283.2	277.6	272.0
82.5°	179.5	176.7	176.7	182.3	176.7	176.7	179.5	182.3	176.7	176.7	176.7
85°	98.1	100.9	95.3	95.3	95.3	100.9	98.1	92.5	98.1	98.1	95.3
87.5°	36.5	33.6	33.6	33.6	33.6	33.6	36.5	39.3	39.3	39.3	42.1
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



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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



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

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2964.0	2964.0	2964.0	2964.0	2964.0
2.5°	2927.6	2941.6	2950.0	2961.2	2989.3
5°	2815.4	2868.7	2885.5	2927.6	2978.1
7.5°	2568.7	2731.3	2776.2	2877.1	2955.6
10°	2330.2	2493.0	2571.5	2809.8	2927.6
12.5°	2209.6	2305.0	2358.3	2692.0	2888.3
15°	2133.9	2201.2	2240.5	2535.0	2843.5
17.5°	2075.0	2122.7	2150.8	2380.7	2781.8
20°	2038.6	2061.0	2086.3	2268.5	2711.7
22.5°	2013.4	1999.3	2019.0	2190.0	2616.3
25°	1996.5	1943.3	1965.7	2128.3	2504.2
27.5°	2010.6	1892.8	1901.2	2072.2	2386.3
30°	2013.4	1831.1	1833.9	2013.4	2254.5
32.5°	1993.7	1766.6	1769.4	1940.4	2105.9
35°	1946.1	1690.9	1688.1	1856.3	1904.0
37.5°	1881.6	1609.6	1609.6	1763.8	1682.5
40°	1803.0	1528.2	1536.7	1643.2	1486.2
42.5°	1707.7	1441.3	1452.5	1483.4	1340.4
45°	1604.0	1357.2	1365.6	1253.4	1228.2
47.5°	1489.0	1270.3	1273.1	1040.3	1191.8
50°	1351.6	1180.5	1169.3	891.7	1188.9
52.5°	1231.0	1082.4	1048.7	807.6	1079.6
55°	1113.2	978.6	905.7	743.1	1001.1
57.5°	1009.5	844.0	773.9	667.4	984.2
60°	914.1	712.2	659.0	586.1	902.9
62.5°	835.6	614.1	602.9	530.0	818.8
65°	751.5	546.8	544.0	482.3	695.4
67.5°	670.2	501.9	499.1	437.4	530.0
70°	583.3	454.3	448.7	389.8	392.6
72.5°	493.5	401.0	395.4	350.5	325.3
75°	403.8	339.3	336.5	305.6	263.6
77.5°	316.9	269.2	274.8	246.8	193.5
80°	227.1	196.3	201.9	176.7	145.8
82.5°	151.4	129.0	134.6	112.2	98.1
85°	84.1	72.9	75.7	58.9	44.9
87.5°	39.3	33.6	33.6	22.4	14.0
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



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CATALOG NUMBER: SQ4-FA-075U-075D-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



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	12.30	13.15	13.28	14.14	15.44	15.15	16.00	16.13	16.99	18.29
	3H	12.78	13.53	13.77	14.53	15.86	16.51	17.26	17.49	18.26	19.58
	4H	12.97	13.68	13.97	14.68	16.02	16.95	17.67	17.95	18.67	20.00
	6H	13.09	13.74	14.10	14.75	16.10	17.24	17.90	18.25	18.91	20.25
	8H	13.09	13.71	14.10	14.74	16.08	17.32	17.95	18.34	18.97	20.31
	12H	13.06	13.65	14.08	14.67	16.04	17.36	17.96	18.38	18.97	20.34
4H	2H	13.34	14.05	14.34	15.05	16.39	15.56	16.27	16.57	17.28	18.61
	3H	14.36	14.96	15.38	15.99	17.34	17.07	17.67	18.09	18.70	20.04
	4H	14.64	15.18	15.66	16.21	17.58	17.60	18.15	18.63	19.17	20.54
	6H	14.76	15.23	15.80	16.28	17.64	17.97	18.44	19.01	19.49	20.85
	8H	14.77	15.21	15.80	16.24	17.62	18.08	18.52	19.12	19.56	20.94
	12H	14.73	15.13	15.79	16.18	17.57	18.14	18.54	19.19	19.59	20.98
8H	4H	15.09	15.53	16.13	16.57	17.95	17.73	18.16	18.76	19.20	20.58
	6H	15.36	15.72	16.41	16.80	18.18	18.17	18.53	19.23	19.61	20.99
	8H	15.40	15.72	16.46	16.78	18.18	18.32	18.64	19.39	19.71	21.10
	12H	15.38	15.66	16.45	16.72	18.16	18.42	18.70	19.49	19.76	21.20
12H	4H	15.10	15.50	16.15	16.55	17.94	17.69	18.08	18.74	19.14	20.52
	6H	15.42	15.74	16.48	16.80	18.20	18.16	18.48	19.23	19.55	20.94
	8H	15.48	15.76	16.55	16.82	18.26	18.33	18.61	19.40	19.67	21.11