

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: P934728

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

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934728
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-12-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

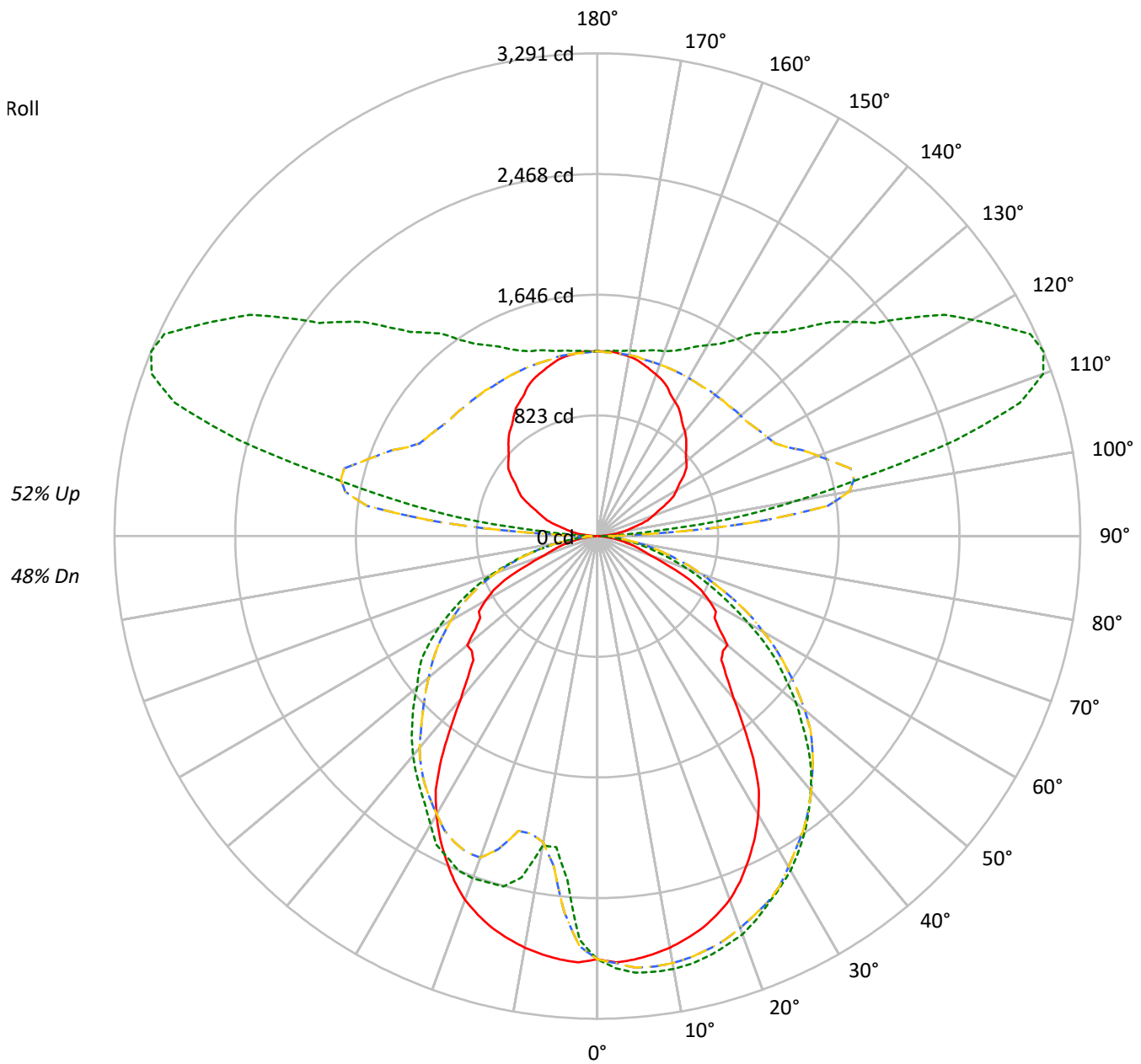
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15654.8 lumens
Efficiency: N/A
Efficacy: 123.1 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°	8922	8922	8922	8922
5°	8992	9006	8992	7082
10°	8935	8872	8935	6343
15°	8841	8680	8841	7248
20°	8660	8452	8660	7263
25°	8285	8120	8285	7109
30°	7799	7844	7799	6771
35°	6956	7495	6956	6399
40°	5799	7085	5799	6119
45°	5185	6604	5185	5796
50°	5513	6031	5513	5472
55°	5192	5413	5192	5285
60°	5358	4598	5358	4840
65°	4866	3801	4866	4248
70°	3377	3029	3377	3561
75°	2973	2239	2973	2681
80°	2414	1480	2414	1612
85°	1416	784	1416	666

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7942 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.4	1.7
10°-20°	739.3	4.7
20°-30°	1142.8	7.3
30°-40°	1364.2	8.7
40°-50°	1372.2	8.8
50°-60°	1194.0	7.6
60°-70°	846.6	5.4
70°-80°	447.9	2.9
80°-90°	116.4	0.7
90°-100°	614.4	3.9
100°-110°	1615.3	10.3
110°-120°	1674.9	10.7
120°-130°	1343.5	8.6
130°-140°	1054.2	6.7
140°-150°	809.1	5.2
150°-160°	582.7	3.7
160°-170°	356.5	2.3
170°-180°	120.5	0.8
0°-30°	2142.5	13.7
0°-40°	3506.7	22.4
0°-60°	6073.0	38.8
0°-90°	7483.8	47.8
90°-120°	3904.6	24.9
90°-150°	7111.4	45.4
90°-180°	8171.0	52.2
0°-180°	15654.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2884	2884	2884	2884	2884	
5°	2898	2988	2898	2350	2898	275
15°	2767	2961	2767	2472	2767	779
25°	2437	2762	2437	2418	2437	1119
35°	1853	2464	1853	2104	1853	1146
45°	1195	2030	1195	1782	1195	957
55°	974	1498	974	1463	974	895
65°	677	903	677	1010	677	647
75°	256	428	256	513	256	270
85°	44	109	44	93	44	59
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	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5
2.5°	2909.1	2909.1	2925.5	2930.9	2930.9	2922.8	2914.6	2922.8	2947.3	2955.5	2952.8
5°	2898.2	2920.0	2950.0	2955.5	2961.0	2958.2	2952.8	2958.2	2985.5	2991.0	2993.7
7.5°	2876.4	2917.3	2955.5	2963.7	2971.9	2963.7	2961.0	2966.4	2993.7	2999.2	2999.2
10°	2849.1	2906.4	2950.0	2955.5	2963.7	2955.5	2955.5	2966.4	2993.7	2999.2	3001.9
12.5°	2810.9	2890.0	2930.9	2936.4	2947.3	2944.6	2941.9	2952.8	2980.1	2985.5	2985.5
15°	2767.2	2860.0	2898.2	2903.7	2922.8	2917.3	2917.3	2928.2	2958.2	2966.4	2963.7
17.5°	2707.2	2821.8	2865.4	2873.6	2887.3	2884.5	2887.3	2898.2	2925.5	2930.9	2933.7
20°	2638.9	2769.9	2821.8	2830.0	2843.6	2843.6	2843.6	2857.3	2884.5	2895.5	2895.5
22.5°	2546.2	2715.4	2769.9	2775.4	2791.8	2791.8	2797.2	2816.3	2840.9	2843.6	2843.6
25°	2437.0	2655.3	2701.7	2718.1	2734.5	2742.6	2750.8	2761.7	2769.9	2767.2	2769.9
27.5°	2322.3	2578.9	2638.9	2649.9	2671.7	2679.9	2690.8	2693.5	2696.3	2704.4	2699.0
30°	2194.0	2472.5	2562.5	2573.5	2608.9	2614.4	2603.5	2608.9	2622.6	2628.0	2633.5
32.5°	2049.4	2314.1	2483.4	2508.0	2540.7	2524.3	2521.6	2529.8	2551.6	2551.6	2557.1
35°	1852.9	2191.3	2409.7	2431.6	2456.1	2437.0	2447.9	2450.7	2464.3	2472.5	2469.8
37.5°	1637.3	2084.9	2333.2	2349.6	2368.7	2344.1	2360.5	2368.7	2379.6	2374.2	2374.2
40°	1446.3	1918.4	2243.2	2254.1	2270.5	2251.4	2267.7	2273.2	2278.6	2273.2	2270.5
42.5°	1304.4	1735.6	2147.7	2161.3	2150.4	2164.0	2169.5	2180.4	2172.2	2161.3	2161.3
45°	1195.3	1686.5	2044.0	2060.3	2044.0	2065.8	2074.0	2074.0	2049.4	2044.0	2041.2
47.5°	1159.8	1588.2	1940.3	1940.3	1932.1	1959.4	1973.0	1953.9	1929.3	1921.2	1921.2
50°	1157.1	1479.1	1798.4	1787.4	1825.6	1858.4	1844.7	1825.6	1806.5	1776.5	1776.5
52.5°	1050.6	1345.4	1615.5	1656.4	1716.5	1735.6	1713.8	1694.7	1661.9	1648.3	1637.3
55°	974.2	1206.2	1449.1	1530.9	1593.7	1618.2	1577.3	1558.2	1509.1	1500.9	1495.4
57.5°	957.8	1004.2	1296.2	1399.9	1476.3	1473.6	1449.1	1413.6	1372.6	1364.5	1361.7
60°	878.7	725.9	1132.5	1255.3	1334.4	1326.3	1304.4	1271.7	1233.5	1228.0	1222.6
62.5°	796.8	526.7	946.9	1086.1	1198.0	1195.3	1176.2	1127.0	1099.8	1086.1	1075.2
65°	676.8	442.1	674.0	903.3	1064.3	1069.7	1028.8	993.3	963.3	946.9	944.2
67.5°	515.8	360.2	455.7	753.2	936.0	930.6	878.7	862.3	824.1	815.9	799.6
70°	382.0	240.1	316.6	611.3	810.5	796.8	755.9	736.8	701.3	682.2	671.3
72.5°	316.6	193.8	232.0	474.8	682.2	665.9	630.4	608.5	578.5	562.2	551.2
75°	256.5	204.7	177.4	352.0	554.0	543.1	510.3	488.5	463.9	442.1	444.8
77.5°	188.3	191.0	141.9	259.2	439.4	423.0	403.9	376.6	365.7	343.8	343.8
80°	141.9	150.1	106.4	177.4	316.6	316.6	300.2	281.1	262.0	251.1	251.1
82.5°	95.5	95.5	79.1	111.9	215.6	207.4	196.5	191.0	180.1	174.7	174.7
85°	43.7	54.6	49.1	68.2	117.3	122.8	122.8	117.3	114.6	109.2	111.9
87.5°	13.6	24.6	30.0	38.2	60.0	62.8	65.5	65.5	65.5	68.2	68.2
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



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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



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5
2.5°	2958.2	2950.0	2958.2	2952.8	2955.5	2947.3	2922.8	2914.6	2922.8	2930.9	2930.9
5°	2993.7	2988.2	2993.7	2993.7	2991.0	2985.5	2958.2	2952.8	2958.2	2961.0	2955.5
7.5°	3004.6	2996.4	3004.6	2999.2	2999.2	2993.7	2966.4	2961.0	2963.7	2971.9	2963.7
10°	3004.6	2996.4	3004.6	3001.9	2999.2	2993.7	2966.4	2955.5	2955.5	2963.7	2955.5
12.5°	2991.0	2985.5	2991.0	2985.5	2985.5	2980.1	2952.8	2941.9	2944.6	2947.3	2936.4
15°	2969.1	2961.0	2969.1	2963.7	2966.4	2958.2	2928.2	2917.3	2917.3	2922.8	2903.7
17.5°	2936.4	2925.5	2936.4	2933.7	2930.9	2925.5	2898.2	2887.3	2884.5	2887.3	2873.6
20°	2898.2	2890.0	2898.2	2895.5	2895.5	2884.5	2857.3	2843.6	2843.6	2843.6	2830.0
22.5°	2838.2	2830.0	2838.2	2843.6	2843.6	2840.9	2816.3	2797.2	2791.8	2791.8	2775.4
25°	2769.9	2761.7	2769.9	2769.9	2767.2	2769.9	2761.7	2750.8	2742.6	2734.5	2718.1
27.5°	2704.4	2699.0	2704.4	2699.0	2704.4	2696.3	2693.5	2690.8	2679.9	2671.7	2649.9
30°	2638.9	2633.5	2638.9	2633.5	2628.0	2622.6	2608.9	2603.5	2614.4	2608.9	2573.5
32.5°	2557.1	2551.6	2557.1	2557.1	2551.6	2551.6	2529.8	2521.6	2524.3	2540.7	2508.0
35°	2472.5	2464.3	2472.5	2469.8	2472.5	2464.3	2450.7	2447.9	2437.0	2456.1	2431.6
37.5°	2374.2	2366.0	2374.2	2374.2	2374.2	2379.6	2368.7	2360.5	2344.1	2368.7	2349.6
40°	2273.2	2262.3	2273.2	2270.5	2273.2	2278.6	2273.2	2267.7	2251.4	2270.5	2254.1
42.5°	2158.6	2155.8	2158.6	2161.3	2161.3	2172.2	2180.4	2169.5	2164.0	2150.4	2161.3
45°	2035.8	2030.3	2035.8	2041.2	2044.0	2049.4	2074.0	2074.0	2065.8	2044.0	2060.3
47.5°	1904.8	1891.1	1904.8	1921.2	1921.2	1929.3	1953.9	1973.0	1959.4	1932.1	1940.3
50°	1765.6	1768.3	1765.6	1776.5	1776.5	1806.5	1825.6	1844.7	1858.4	1825.6	1787.4
52.5°	1629.2	1626.4	1629.2	1637.3	1648.3	1661.9	1694.7	1713.8	1735.6	1716.5	1656.4
55°	1492.7	1498.2	1492.7	1495.4	1500.9	1509.1	1558.2	1577.3	1618.2	1593.7	1530.9
57.5°	1356.3	1348.1	1356.3	1361.7	1364.5	1372.6	1413.6	1449.1	1473.6	1476.3	1399.9
60°	1198.0	1187.1	1198.0	1222.6	1228.0	1233.5	1271.7	1304.4	1326.3	1334.4	1255.3
62.5°	1058.8	1039.7	1058.8	1075.2	1086.1	1099.8	1127.0	1176.2	1195.3	1198.0	1086.1
65°	911.5	903.3	911.5	944.2	946.9	963.3	993.3	1028.8	1069.7	1064.3	903.3
67.5°	777.7	777.7	777.7	799.6	815.9	824.1	862.3	878.7	930.6	936.0	753.2
70°	654.9	652.2	654.9	671.3	682.2	701.3	736.8	755.9	796.8	810.5	611.3
72.5°	537.6	534.9	537.6	551.2	562.2	578.5	608.5	630.4	665.9	682.2	474.8
75°	433.9	428.4	433.9	444.8	442.1	463.9	488.5	510.3	543.1	554.0	352.0
77.5°	332.9	332.9	332.9	343.8	343.8	365.7	376.6	403.9	423.0	439.4	259.2
80°	248.3	245.6	248.3	251.1	251.1	262.0	281.1	300.2	316.6	316.6	177.4
82.5°	174.7	169.2	174.7	174.7	174.7	180.1	191.0	196.5	207.4	215.6	111.9
85°	109.2	109.2	109.2	111.9	109.2	114.6	117.3	122.8	122.8	117.3	68.2
87.5°	71.0	68.2	71.0	68.2	68.2	65.5	65.5	65.5	62.8	60.0	38.2
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: P934728

CATALOG NUMBER: SQ4-FA-075U-075D-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: P934728

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

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5
2.5°	2925.5	2909.1	2909.1	2881.8	2870.9	2862.7	2849.1	2808.1	2797.2	2786.3	2802.7
5°	2950.0	2920.0	2898.2	2849.1	2808.1	2791.8	2739.9	2641.7	2576.2	2527.1	2499.8
7.5°	2955.5	2917.3	2876.4	2800.0	2701.7	2658.1	2499.8	2319.6	2270.5	2226.8	2199.5
10°	2950.0	2906.4	2849.1	2734.5	2502.5	2426.1	2267.7	2150.4	2120.4	2112.2	2120.4
12.5°	2930.9	2890.0	2810.9	2619.8	2295.0	2243.2	2150.4	2082.2	2076.7	2090.3	2164.0
15°	2898.2	2860.0	2767.2	2467.0	2180.4	2142.2	2076.7	2052.1	2082.2	2177.7	2398.7
17.5°	2865.4	2821.8	2707.2	2316.8	2093.1	2065.8	2019.4	2068.5	2237.7	2366.0	2439.7
20°	2821.8	2769.9	2638.9	2207.7	2030.3	2005.7	1983.9	2205.0	2333.2	2379.6	2420.6
22.5°	2769.9	2715.4	2546.2	2131.3	1964.8	1945.7	1959.4	2281.4	2333.2	2366.0	2401.4
25°	2701.7	2655.3	2437.0	2071.2	1913.0	1891.1	1943.0	2273.2	2303.2	2311.4	2382.3
27.5°	2638.9	2578.9	2322.3	2016.7	1850.2	1842.0	1956.6	2237.7	2259.5	2267.7	2344.1
30°	2562.5	2472.5	2194.0	1959.4	1784.7	1782.0	1959.4	2194.0	2188.6	2210.4	2286.8
32.5°	2483.4	2314.1	2049.4	1888.4	1721.9	1719.2	1940.3	2128.6	2123.1	2153.1	2210.4
35°	2409.7	2191.3	1852.9	1806.5	1642.8	1645.5	1893.9	2052.1	2054.9	2082.2	2117.6
37.5°	2333.2	2084.9	1637.3	1716.5	1566.4	1566.4	1831.1	1981.2	1975.7	1983.9	2033.0
40°	2243.2	1918.4	1446.3	1599.1	1495.4	1487.3	1754.7	1904.8	1885.7	1882.9	1951.2
42.5°	2147.7	1735.6	1304.4	1443.6	1413.6	1402.7	1661.9	1812.0	1776.5	1784.7	1872.0
45°	2044.0	1686.5	1195.3	1219.8	1329.0	1320.8	1560.9	1705.6	1681.0	1702.8	1792.9
47.5°	1940.3	1588.2	1159.8	1012.4	1238.9	1236.2	1449.1	1601.9	1588.2	1610.1	1705.6
50°	1798.4	1479.1	1157.1	867.8	1138.0	1148.9	1315.3	1500.9	1500.9	1520.0	1621.0
52.5°	1615.5	1345.4	1050.6	785.9	1020.6	1053.4	1198.0	1413.6	1419.0	1438.1	1528.2
55°	1449.1	1206.2	974.2	723.2	881.4	952.4	1083.4	1323.5	1334.4	1353.5	1435.4
57.5°	1296.2	1004.2	957.8	649.5	753.2	821.4	982.4	1236.2	1241.7	1258.0	1337.2
60°	1132.5	725.9	878.7	570.3	641.3	693.1	889.6	1132.5	1151.6	1162.5	1230.7
62.5°	946.9	526.7	796.8	515.8	586.7	597.6	813.2	1034.3	1058.8	1067.0	1107.9
65°	674.0	442.1	676.8	469.4	529.4	532.1	731.3	933.3	955.1	968.8	998.8
67.5°	455.7	360.2	515.8	425.7	485.7	488.5	652.2	815.9	846.0	856.9	876.0
70°	316.6	240.1	382.0	379.3	436.6	442.1	567.6	709.5	736.8	745.0	755.9
72.5°	232.0	193.8	316.6	341.1	384.8	390.2	480.3	589.4	616.7	624.9	630.4
75°	177.4	204.7	256.5	297.5	327.5	330.2	393.0	480.3	499.4	504.8	507.6
77.5°	141.9	191.0	188.3	240.1	267.4	262.0	308.4	371.1	387.5	387.5	387.5
80°	106.4	150.1	141.9	171.9	196.5	191.0	221.0	264.7	270.2	275.6	272.9
82.5°	79.1	95.5	95.5	109.2	131.0	125.5	147.4	171.9	171.9	171.9	177.4
85°	49.1	54.6	43.7	57.3	73.7	71.0	81.9	92.8	95.5	95.5	90.1
87.5°	30.0	24.6	13.6	21.8	32.7	32.7	38.2	40.9	38.2	38.2	38.2
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: P934728

CATALOG NUMBER: SQ4-FA-075U-075D-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: P934728
 CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5
2.5°	2783.6	2775.4	2786.3	2756.3	2786.3	2775.4	2783.6	2802.7	2786.3	2797.2	2808.1
5°	2442.5	2428.8	2385.1	2349.6	2385.1	2428.8	2442.5	2499.8	2527.1	2576.2	2641.7
7.5°	2183.1	2172.2	2161.3	2139.5	2161.3	2172.2	2183.1	2199.5	2226.8	2270.5	2319.6
10°	2125.8	2128.6	2144.9	2142.2	2144.9	2128.6	2125.8	2120.4	2112.2	2120.4	2150.4
12.5°	2273.2	2297.7	2387.8	2382.3	2387.8	2297.7	2273.2	2164.0	2090.3	2076.7	2082.2
15°	2442.5	2450.7	2469.8	2472.5	2469.8	2450.7	2442.5	2398.7	2177.7	2082.2	2052.1
17.5°	2458.8	2461.6	2475.2	2475.2	2475.2	2461.6	2458.8	2439.7	2366.0	2237.7	2068.5
20°	2445.2	2450.7	2477.9	2483.4	2477.9	2450.7	2445.2	2420.6	2379.6	2333.2	2205.0
22.5°	2439.7	2450.7	2472.5	2469.8	2472.5	2450.7	2439.7	2401.4	2366.0	2333.2	2281.4
25°	2412.4	2412.4	2415.2	2417.9	2415.2	2412.4	2412.4	2382.3	2311.4	2303.2	2273.2
27.5°	2355.1	2360.5	2376.9	2374.2	2376.9	2360.5	2355.1	2344.1	2267.7	2259.5	2237.7
30°	2303.2	2297.7	2284.1	2273.2	2284.1	2297.7	2303.2	2286.8	2210.4	2188.6	2194.0
32.5°	2215.9	2202.2	2188.6	2180.4	2188.6	2202.2	2215.9	2210.4	2153.1	2123.1	2128.6
35°	2112.2	2114.9	2112.2	2104.0	2112.2	2114.9	2112.2	2117.6	2082.2	2054.9	2052.1
37.5°	2038.5	2044.0	2041.2	2030.3	2041.2	2044.0	2038.5	2033.0	1983.9	1975.7	1981.2
40°	1962.1	1964.8	1962.1	1953.9	1962.1	1964.8	1962.1	1951.2	1882.9	1885.7	1904.8
42.5°	1888.4	1885.7	1877.5	1872.0	1877.5	1885.7	1888.4	1872.0	1784.7	1776.5	1812.0
45°	1803.8	1806.5	1790.2	1782.0	1790.2	1806.5	1803.8	1792.9	1702.8	1681.0	1705.6
47.5°	1719.2	1719.2	1705.6	1697.4	1705.6	1719.2	1719.2	1705.6	1610.1	1588.2	1601.9
50°	1629.2	1626.4	1607.3	1604.6	1607.3	1626.4	1629.2	1621.0	1520.0	1500.9	1500.9
52.5°	1525.5	1525.5	1528.2	1533.6	1528.2	1525.5	1525.5	1528.2	1438.1	1419.0	1413.6
55°	1435.4	1438.1	1457.2	1462.7	1457.2	1438.1	1435.4	1435.4	1353.5	1334.4	1323.5
57.5°	1342.6	1342.6	1356.3	1356.3	1356.3	1342.6	1342.6	1337.2	1258.0	1241.7	1236.2
60°	1236.2	1241.7	1252.6	1249.8	1252.6	1241.7	1236.2	1230.7	1162.5	1151.6	1132.5
62.5°	1124.3	1129.8	1132.5	1127.0	1132.5	1129.8	1124.3	1107.9	1067.0	1058.8	1034.3
65°	1007.0	1012.4	1015.2	1009.7	1015.2	1012.4	1007.0	998.8	968.8	955.1	933.3
67.5°	886.9	884.2	881.4	892.4	881.4	884.2	886.9	876.0	856.9	846.0	815.9
70°	764.1	764.1	761.4	766.8	761.4	764.1	764.1	755.9	745.0	736.8	709.5
72.5°	633.1	630.4	641.3	633.1	641.3	630.4	633.1	630.4	624.9	616.7	589.4
75°	504.8	510.3	504.8	513.0	504.8	510.3	504.8	507.6	504.8	499.4	480.3
77.5°	384.8	390.2	384.8	384.8	384.8	390.2	384.8	387.5	387.5	387.5	371.1
80°	272.9	270.2	270.2	267.4	270.2	270.2	272.9	272.9	275.6	270.2	264.7
82.5°	174.7	171.9	171.9	177.4	171.9	171.9	174.7	177.4	171.9	171.9	171.9
85°	95.5	98.2	92.8	92.8	92.8	98.2	95.5	90.1	95.5	95.5	92.8
87.5°	35.5	32.7	32.7	32.7	32.7	32.7	35.5	38.2	38.2	38.2	40.9
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: P934728

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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: P934728

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

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2884.5	2884.5	2884.5	2884.5	2884.5
2.5°	2849.1	2862.7	2870.9	2881.8	2909.1
5°	2739.9	2791.8	2808.1	2849.1	2898.2
7.5°	2499.8	2658.1	2701.7	2800.0	2876.4
10°	2267.7	2426.1	2502.5	2734.5	2849.1
12.5°	2150.4	2243.2	2295.0	2619.8	2810.9
15°	2076.7	2142.2	2180.4	2467.0	2767.2
17.5°	2019.4	2065.8	2093.1	2316.8	2707.2
20°	1983.9	2005.7	2030.3	2207.7	2638.9
22.5°	1959.4	1945.7	1964.8	2131.3	2546.2
25°	1943.0	1891.1	1913.0	2071.2	2437.0
27.5°	1956.6	1842.0	1850.2	2016.7	2322.3
30°	1959.4	1782.0	1784.7	1959.4	2194.0
32.5°	1940.3	1719.2	1721.9	1888.4	2049.4
35°	1893.9	1645.5	1642.8	1806.5	1852.9
37.5°	1831.1	1566.4	1566.4	1716.5	1637.3
40°	1754.7	1487.3	1495.4	1599.1	1446.3
42.5°	1661.9	1402.7	1413.6	1443.6	1304.4
45°	1560.9	1320.8	1329.0	1219.8	1195.3
47.5°	1449.1	1236.2	1238.9	1012.4	1159.8
50°	1315.3	1148.9	1138.0	867.8	1157.1
52.5°	1198.0	1053.4	1020.6	785.9	1050.6
55°	1083.4	952.4	881.4	723.2	974.2
57.5°	982.4	821.4	753.2	649.5	957.8
60°	889.6	693.1	641.3	570.3	878.7
62.5°	813.2	597.6	586.7	515.8	796.8
65°	731.3	532.1	529.4	469.4	676.8
67.5°	652.2	488.5	485.7	425.7	515.8
70°	567.6	442.1	436.6	379.3	382.0
72.5°	480.3	390.2	384.8	341.1	316.6
75°	393.0	330.2	327.5	297.5	256.5
77.5°	308.4	262.0	267.4	240.1	188.3
80°	221.0	191.0	196.5	171.9	141.9
82.5°	147.4	125.5	131.0	109.2	95.5
85°	81.9	71.0	73.7	57.3	43.7
87.5°	38.2	32.7	32.7	21.8	13.6
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: P934728

CATALOG NUMBER: SQ4-FA-075U-075D-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: P934728
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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	12.21	13.05	13.18	14.04	15.34	15.06	15.90	16.04	16.89	18.19
	3H	12.68	13.44	13.67	14.44	15.76	16.41	17.17	17.40	18.16	19.49
	4H	12.87	13.59	13.87	14.59	15.92	16.86	17.57	17.86	18.57	19.91
	6H	12.99	13.65	14.00	14.66	16.00	17.15	17.81	18.16	18.81	20.16
	8H	12.99	13.62	14.01	14.64	15.98	17.22	17.85	18.24	18.87	20.21
	12H	12.96	13.56	13.99	14.58	15.94	17.27	17.86	18.29	18.88	20.24
4H	2H	13.24	13.96	14.25	14.96	16.29	15.47	16.18	16.47	17.18	18.51
	3H	14.27	14.86	15.29	15.90	17.24	16.98	17.57	17.99	18.60	19.95
	4H	14.54	15.09	15.57	16.11	17.48	17.51	18.05	18.53	19.08	20.44
	6H	14.67	15.14	15.70	16.18	17.55	17.88	18.35	18.91	19.39	20.76
	8H	14.67	15.11	15.71	16.15	17.53	17.99	18.42	19.02	19.46	20.84
	12H	14.64	15.03	15.69	16.09	17.47	18.05	18.44	19.10	19.50	20.88
8H	4H	15.00	15.44	16.04	16.48	17.86	17.63	18.07	18.67	19.11	20.49
	6H	15.26	15.62	16.32	16.70	18.08	18.07	18.43	19.13	19.51	20.89
	8H	15.30	15.62	16.37	16.69	18.08	18.23	18.54	19.29	19.61	21.01
	12H	15.29	15.57	16.36	16.63	18.07	18.33	18.61	19.40	19.67	21.11
12H	4H	15.01	15.40	16.06	16.46	17.84	17.59	17.99	18.65	19.04	20.43
	6H	15.32	15.64	16.39	16.71	18.10	18.07	18.39	19.13	19.45	20.85
	8H	15.39	15.67	16.46	16.73	18.17	18.23	18.51	19.30	19.57	21.01