

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: P934755

Luminaire Tested: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934755
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-93050-1D-UNV-STD-W-12-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

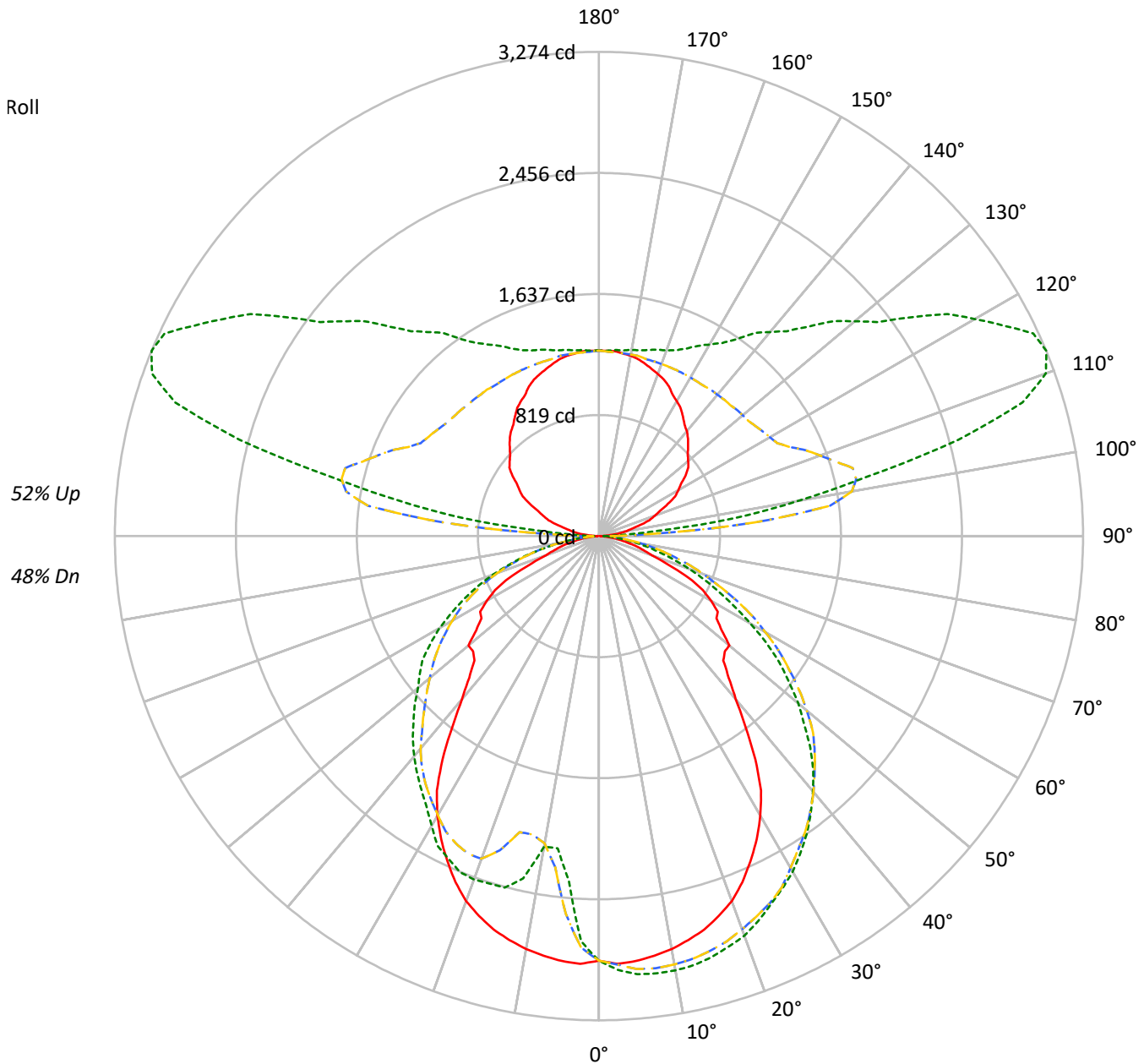
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15577.7 lumens
Efficiency: N/A
Efficacy: 122.5 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°	8878	8878	8878	8878
5°	8948	8962	8948	7047
10°	8891	8828	8891	6311
15°	8798	8637	8798	7212
20°	8618	8410	8618	7227
25°	8244	8080	8244	7074
30°	7760	7805	7760	6738
35°	6922	7459	6922	6368
40°	5771	7050	5771	6089
45°	5160	6571	5160	5768
50°	5486	6001	5486	5445
55°	5166	5387	5166	5259
60°	5332	4575	5332	4817
65°	4842	3782	4842	4227
70°	3361	3014	3361	3544
75°	2959	2228	2959	2668
80°	2402	1473	2402	1604
85°	1406	780	1406	663

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7903 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.1	1.7
10°-20°	735.6	4.7
20°-30°	1137.2	7.3
30°-40°	1357.5	8.7
40°-50°	1365.5	8.8
50°-60°	1188.1	7.6
60°-70°	842.4	5.4
70°-80°	445.7	2.9
80°-90°	115.8	0.7
90°-100°	611.4	3.9
100°-110°	1607.4	10.3
110°-120°	1666.7	10.7
120°-130°	1336.9	8.6
130°-140°	1049.0	6.7
140°-150°	805.1	5.2
150°-160°	579.8	3.7
160°-170°	354.8	2.3
170°-180°	119.9	0.8
0°-30°	2131.9	13.7
0°-40°	3489.5	22.4
0°-60°	6043.1	38.8
0°-90°	7446.9	47.8
90°-120°	3885.4	24.9
90°-150°	7076.4	45.4
90°-180°	8131.0	52.2
0°-180°	15577.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2870	2870	2870	2870	2870	
5°	2884	2974	2884	2338	2884	274
15°	2754	2946	2754	2460	2754	775
25°	2425	2748	2425	2406	2425	1113
35°	1844	2452	1844	2094	1844	1141
45°	1189	2020	1189	1773	1189	953
55°	969	1491	969	1456	969	891
65°	673	899	673	1005	673	644
75°	255	426	255	510	255	268
85°	43	109	43	92	43	59
90°	8	32	8	32	8	9
95°	81	370	81	370	81	90
105°	290	2517	290	2517	290	307
115°	514	3241	514	3241	514	508
125°	716	2581	716	2581	716	635
135°	853	2003	853	2003	853	660
145°	989	1625	989	1625	989	620
155°	1118	1399	1118	1399	1118	514
165°	1206	1303	1206	1303	1206	340
175°	1254	1263	1254	1263	1254	119
180°	1254	1254	1254	1254	1254	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4
2.5°	2894.8	2894.8	2911.1	2916.5	2916.5	2908.4	2900.2	2908.4	2932.8	2941.0	2938.2
5°	2883.9	2905.7	2935.5	2941.0	2946.4	2943.7	2938.2	2943.7	2970.8	2976.3	2979.0
7.5°	2862.2	2902.9	2941.0	2949.1	2957.3	2949.1	2946.4	2951.8	2979.0	2984.4	2984.4
10°	2835.1	2892.1	2935.5	2941.0	2949.1	2941.0	2941.0	2951.8	2979.0	2984.4	2987.1
12.5°	2797.0	2875.8	2916.5	2922.0	2932.8	2930.1	2927.4	2938.2	2965.4	2970.8	2970.8
15°	2753.6	2845.9	2883.9	2889.4	2908.4	2902.9	2902.9	2913.8	2943.7	2951.8	2949.1
17.5°	2693.8	2807.9	2851.3	2859.5	2873.1	2870.4	2873.1	2883.9	2911.1	2916.5	2919.2
20°	2626.0	2756.3	2807.9	2816.0	2829.6	2829.6	2829.6	2843.2	2870.4	2881.2	2881.2
22.5°	2533.6	2702.0	2756.3	2761.7	2778.0	2778.0	2783.5	2802.5	2826.9	2829.6	2829.6
25°	2425.0	2642.3	2688.4	2704.7	2721.0	2729.2	2737.3	2748.2	2756.3	2753.6	2756.3
27.5°	2310.9	2566.2	2626.0	2636.8	2658.5	2666.7	2677.6	2680.3	2683.0	2691.1	2685.7
30°	2183.2	2460.3	2549.9	2560.8	2596.1	2601.5	2590.7	2596.1	2609.7	2615.1	2620.5
32.5°	2039.3	2302.7	2471.2	2495.6	2528.2	2511.9	2509.2	2517.3	2539.1	2539.1	2544.5
35°	1843.8	2180.5	2397.9	2419.6	2444.0	2425.0	2435.9	2438.6	2452.2	2460.3	2457.6
37.5°	1629.3	2074.6	2321.7	2338.0	2357.0	2332.6	2348.9	2357.0	2367.9	2362.5	2362.5
40°	1439.2	1909.0	2232.1	2243.0	2259.3	2240.3	2256.6	2262.0	2267.4	2262.0	2259.3
42.5°	1298.0	1727.0	2137.1	2150.7	2139.8	2153.4	2158.8	2169.7	2161.5	2150.7	2150.7
45°	1189.4	1678.2	2033.9	2050.2	2033.9	2055.6	2063.8	2063.8	2039.3	2033.9	2031.2
47.5°	1154.1	1580.4	1930.7	1930.7	1922.6	1949.7	1963.3	1944.3	1919.8	1911.7	1911.7
50°	1151.4	1471.8	1789.5	1778.6	1816.7	1849.2	1835.7	1816.7	1797.6	1767.8	1767.8
52.5°	1045.5	1338.7	1607.6	1648.3	1708.0	1727.0	1705.3	1686.3	1653.7	1640.2	1629.3
55°	969.4	1200.2	1441.9	1523.4	1585.8	1610.3	1569.5	1550.5	1501.7	1493.5	1488.1
57.5°	953.1	999.3	1289.9	1393.0	1469.1	1466.4	1441.9	1406.6	1365.9	1357.7	1355.0
60°	874.4	722.3	1126.9	1249.1	1327.9	1319.7	1298.0	1265.4	1227.4	1222.0	1216.5
62.5°	792.9	524.1	942.3	1080.8	1192.1	1189.4	1170.4	1121.5	1094.3	1080.8	1069.9
65°	673.4	439.9	670.7	898.8	1059.0	1064.5	1023.7	988.4	958.6	942.3	939.6
67.5°	513.2	358.4	453.5	749.5	931.4	926.0	874.4	858.1	820.1	811.9	795.6
70°	380.2	239.0	315.0	608.3	806.5	792.9	752.2	733.2	697.9	678.9	668.0
72.5°	315.0	192.8	230.8	472.5	678.9	662.6	627.3	605.6	575.7	559.4	548.5
75°	255.3	203.7	176.5	350.3	551.2	540.4	507.8	486.1	461.6	439.9	442.6
77.5°	187.4	190.1	141.2	258.0	437.2	420.9	401.9	374.7	363.9	342.2	342.2
80°	141.2	149.4	105.9	176.5	315.0	315.0	298.7	279.7	260.7	249.8	249.8
82.5°	95.0	95.0	78.7	111.3	214.5	206.4	195.5	190.1	179.2	173.8	173.8
85°	43.4	54.3	48.9	67.9	116.8	122.2	122.2	116.8	114.1	108.6	111.3
87.5°	13.6	24.4	29.9	38.0	59.7	62.5	65.2	65.2	65.2	67.9	67.9
90°	8.4	15.1	21.8	23.5	37.0	55.0	64.0	56.8	42.6	32.0	32.0
92.5°	33.7	90.9	148.2	162.5	228.4	316.3	360.3	315.7	226.7	159.9	153.6
95°	80.8	185.6	290.4	316.5	562.0	889.4	1053.1	939.7	713.0	542.9	523.6
97.5°	139.8	232.2	324.6	347.7	757.1	1302.9	1575.8	1504.1	1360.8	1253.4	1216.7
100°	185.2	269.0	352.8	373.7	828.0	1433.7	1736.6	1741.8	1752.3	1760.2	1716.5
102.5°	223.9	302.1	380.3	399.8	860.5	1474.9	1782.1	1873.3	2055.9	2192.8	2155.5
105°	289.6	355.8	422.0	438.6	884.7	1479.6	1777.0	1981.7	2391.0	2697.9	2677.8
107.5°	356.9	418.6	480.4	495.8	889.2	1413.8	1676.0	1961.5	2532.4	2960.5	2965.4
110°	402.3	458.1	513.9	527.8	882.4	1355.4	1591.8	1911.0	2549.2	3027.9	3048.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	447.0	500.1	553.2	566.5	882.8	1304.4	1515.2	1841.8	2495.1	2984.9	3017.1
115°	514.3	563.3	612.3	624.6	890.9	1246.0	1423.5	1738.1	2367.4	2839.3	2883.9
117.5°	580.8	625.4	669.8	681.0	907.4	1209.3	1360.3	1644.2	2212.1	2638.1	2687.6
120°	619.6	661.5	703.3	713.8	920.9	1197.0	1335.0	1594.4	2113.4	2502.6	2550.7
122.5°	657.4	699.7	742.0	752.6	940.3	1190.6	1315.7	1549.3	2016.6	2367.1	2414.5
125°	715.5	754.1	792.6	802.2	966.3	1185.2	1294.7	1493.2	1890.1	2187.8	2231.5
127.5°	762.7	801.6	840.5	850.2	992.5	1182.1	1277.0	1447.4	1788.2	2043.9	2080.7
130°	787.9	829.9	871.7	882.2	1011.5	1184.0	1270.2	1421.9	1725.3	1952.9	1986.9
132.5°	814.0	855.9	897.7	908.2	1026.9	1185.2	1264.3	1400.1	1671.7	1875.5	1906.0
135°	852.8	890.9	929.1	938.6	1043.8	1184.1	1254.3	1368.0	1595.4	1766.1	1792.3
137.5°	892.3	930.1	967.9	977.3	1069.1	1191.4	1252.6	1348.7	1541.0	1685.2	1706.8
140°	925.1	959.8	994.7	1003.4	1084.5	1192.6	1246.7	1329.8	1495.9	1620.4	1640.5
142.5°	950.3	982.6	1014.7	1022.7	1097.4	1196.9	1246.7	1319.6	1465.5	1575.0	1592.3
145°	989.1	1017.1	1045.2	1052.2	1114.3	1196.9	1238.3	1297.9	1417.3	1506.8	1519.9
147.5°	1027.8	1055.1	1082.5	1089.3	1139.0	1205.1	1238.3	1285.2	1379.1	1449.5	1460.4
150°	1053.1	1077.8	1102.5	1108.6	1151.8	1209.5	1238.3	1277.9	1357.2	1416.7	1425.4
152.5°	1079.1	1097.9	1116.5	1121.2	1160.2	1212.3	1238.3	1272.1	1339.8	1390.6	1397.2
155°	1117.9	1131.7	1145.6	1149.0	1178.8	1218.4	1238.3	1265.2	1319.1	1359.5	1363.9
157.5°	1146.5	1160.0	1173.5	1176.8	1197.3	1224.6	1238.3	1259.2	1301.1	1332.5	1335.6
160°	1165.8	1176.3	1186.8	1189.5	1205.8	1227.4	1238.3	1256.2	1292.1	1319.1	1320.9
162.5°	1185.2	1193.1	1200.9	1202.9	1214.6	1230.4	1238.3	1253.4	1283.7	1306.4	1308.1
165°	1206.3	1213.4	1220.4	1222.2	1227.6	1234.7	1238.3	1249.1	1270.8	1287.0	1288.9
167.5°	1225.6	1228.9	1232.4	1233.2	1237.7	1243.7	1246.7	1253.7	1267.9	1278.6	1279.4
170°	1238.3	1241.6	1245.0	1245.9	1246.1	1246.5	1246.7	1253.7	1267.9	1278.6	1278.6
172.5°	1245.0	1245.7	1246.5	1246.7	1246.7	1246.7	1246.7	1252.3	1263.5	1271.9	1271.3
175°	1254.3	1254.3	1254.3	1254.3	1251.7	1248.4	1246.7	1250.2	1257.4	1262.7	1262.7
177.5°	1254.3	1254.3	1254.3	1254.3	1252.3	1249.7	1248.4	1251.2	1256.8	1261.0	1260.3
180°	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4
2.5°	2943.7	2935.5	2943.7	2938.2	2941.0	2932.8	2908.4	2900.2	2908.4	2916.5	2916.5
5°	2979.0	2973.5	2979.0	2979.0	2976.3	2970.8	2943.7	2938.2	2943.7	2946.4	2941.0
7.5°	2989.8	2981.7	2989.8	2984.4	2984.4	2979.0	2951.8	2946.4	2949.1	2957.3	2949.1
10°	2989.8	2981.7	2989.8	2987.1	2984.4	2979.0	2951.8	2941.0	2941.0	2949.1	2941.0
12.5°	2976.3	2970.8	2976.3	2970.8	2970.8	2965.4	2938.2	2927.4	2930.1	2932.8	2922.0
15°	2954.5	2946.4	2954.5	2949.1	2951.8	2943.7	2913.8	2902.9	2902.9	2908.4	2889.4
17.5°	2922.0	2911.1	2922.0	2919.2	2916.5	2911.1	2883.9	2873.1	2870.4	2873.1	2859.5
20°	2883.9	2875.8	2883.9	2881.2	2881.2	2870.4	2843.2	2829.6	2829.6	2829.6	2816.0
22.5°	2824.2	2816.0	2824.2	2829.6	2829.6	2826.9	2802.5	2783.5	2778.0	2778.0	2761.7
25°	2756.3	2748.2	2756.3	2756.3	2753.6	2756.3	2748.2	2737.3	2729.2	2721.0	2704.7
27.5°	2691.1	2685.7	2691.1	2685.7	2691.1	2683.0	2680.3	2677.6	2666.7	2658.5	2636.8
30°	2626.0	2620.5	2626.0	2620.5	2615.1	2609.7	2596.1	2590.7	2601.5	2596.1	2560.8
32.5°	2544.5	2539.1	2544.5	2544.5	2539.1	2539.1	2517.3	2509.2	2511.9	2528.2	2495.6
35°	2460.3	2452.2	2460.3	2457.6	2460.3	2452.2	2438.6	2435.9	2425.0	2444.0	2419.6
37.5°	2362.5	2354.3	2362.5	2362.5	2362.5	2367.9	2357.0	2348.9	2332.6	2357.0	2338.0
40°	2262.0	2251.1	2262.0	2259.3	2262.0	2267.4	2262.0	2256.6	2240.3	2259.3	2243.0
42.5°	2147.9	2145.2	2147.9	2150.7	2150.7	2161.5	2169.7	2158.8	2153.4	2139.8	2150.7
45°	2025.8	2020.3	2025.8	2031.2	2033.9	2039.3	2063.8	2063.8	2055.6	2033.9	2050.2
47.5°	1895.4	1881.8	1895.4	1911.7	1911.7	1919.8	1944.3	1963.3	1949.7	1922.6	1930.7
50°	1756.9	1759.6	1756.9	1767.8	1767.8	1797.6	1816.7	1835.7	1849.2	1816.7	1778.6
52.5°	1621.1	1618.4	1621.1	1629.3	1640.2	1653.7	1686.3	1705.3	1727.0	1708.0	1648.3
55°	1485.4	1490.8	1485.4	1488.1	1493.5	1501.7	1550.5	1569.5	1610.3	1585.8	1523.4
57.5°	1349.6	1341.4	1349.6	1355.0	1357.7	1365.9	1406.6	1441.9	1466.4	1469.1	1393.0
60°	1192.1	1181.2	1192.1	1216.5	1222.0	1227.4	1265.4	1298.0	1319.7	1327.9	1249.1
62.5°	1053.6	1034.6	1053.6	1069.9	1080.8	1094.3	1121.5	1170.4	1189.4	1192.1	1080.8
65°	907.0	898.8	907.0	939.6	942.3	958.6	988.4	1023.7	1064.5	1059.0	898.8
67.5°	773.9	773.9	773.9	795.6	811.9	820.1	858.1	874.4	926.0	931.4	749.5
70°	651.7	649.0	651.7	668.0	678.9	697.9	733.2	752.2	792.9	806.5	608.3
72.5°	535.0	532.2	535.0	548.5	559.4	575.7	605.6	627.3	662.6	678.9	472.5
75°	431.8	426.3	431.8	442.6	439.9	461.6	486.1	507.8	540.4	551.2	350.3
77.5°	331.3	331.3	331.3	342.2	342.2	363.9	374.7	401.9	420.9	437.2	258.0
80°	247.1	244.4	247.1	249.8	249.8	260.7	279.7	298.7	315.0	315.0	176.5
82.5°	173.8	168.4	173.8	173.8	173.8	179.2	190.1	195.5	206.4	214.5	111.3
85°	108.6	108.6	108.6	111.3	108.6	114.1	116.8	122.2	122.2	116.8	67.9
87.5°	70.6	67.9	70.6	67.9	67.9	65.2	65.2	65.2	62.5	59.7	38.0
90°	32.0	32.0	32.0	32.0	32.0	42.6	56.8	64.0	55.0	37.0	23.5
92.5°	128.2	102.7	128.2	153.6	159.9	226.7	315.7	360.3	316.3	228.4	162.5
95°	446.6	369.6	446.6	523.6	542.9	713.0	939.7	1053.1	889.4	562.0	316.5
97.5°	1070.1	923.4	1070.1	1216.7	1253.4	1360.8	1504.1	1575.8	1302.9	757.1	347.7
100°	1541.8	1367.1	1541.8	1716.5	1760.2	1752.3	1741.8	1736.6	1433.7	828.0	373.7
102.5°	2005.7	1856.1	2005.7	2155.5	2192.8	2055.9	1873.3	1782.1	1474.9	860.5	399.8
105°	2597.4	2516.9	2597.4	2677.8	2697.9	2391.0	1981.7	1777.0	1479.6	884.7	438.6
107.5°	2984.9	3004.3	2984.9	2965.4	2960.5	2532.4	1961.5	1676.0	1413.8	889.2	495.8
110°	3132.6	3216.4	3132.6	3048.8	3027.9	2549.2	1911.0	1591.8	1355.4	882.4	527.8



TEST NUMBER: P934755

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3145.8	3274.5	3145.8	3017.1	2984.9	2495.1	1841.8	1515.2	1304.4	882.8	566.5
115°	3062.3	3240.8	3062.3	2883.9	2839.3	2367.4	1738.1	1423.5	1246.0	890.9	624.6
117.5°	2885.5	3083.4	2885.5	2687.6	2638.1	2212.1	1644.2	1360.3	1209.3	907.4	681.0
120°	2743.0	2935.3	2743.0	2550.7	2502.6	2113.4	1594.4	1335.0	1197.0	920.9	713.8
122.5°	2604.1	2793.9	2604.1	2414.5	2367.1	2016.6	1549.3	1315.7	1190.6	940.3	752.6
125°	2406.2	2580.9	2406.2	2231.5	2187.8	1890.1	1493.2	1294.7	1185.2	966.3	802.2
127.5°	2228.1	2375.5	2228.1	2080.7	2043.9	1788.2	1447.4	1277.0	1182.1	992.5	850.2
130°	2123.1	2259.4	2123.1	1986.9	1952.9	1725.3	1421.9	1270.2	1184.0	1011.5	882.2
132.5°	2027.9	2149.9	2027.9	1906.0	1875.5	1671.7	1400.1	1264.3	1185.2	1026.9	908.2
135°	1897.5	2002.6	1897.5	1792.3	1766.1	1595.4	1368.0	1254.3	1184.1	1043.8	938.6
137.5°	1792.8	1878.8	1792.8	1706.8	1685.2	1541.0	1348.7	1252.6	1191.4	1069.1	977.3
140°	1721.0	1801.4	1721.0	1640.5	1620.4	1495.9	1329.8	1246.7	1192.6	1084.5	1003.4
142.5°	1661.5	1730.7	1661.5	1592.3	1575.0	1465.5	1319.6	1246.7	1196.9	1097.4	1022.7
145°	1572.3	1624.6	1572.3	1519.9	1506.8	1417.3	1297.9	1238.3	1196.9	1114.3	1052.2
147.5°	1503.7	1547.2	1503.7	1460.4	1449.5	1379.1	1285.2	1238.3	1205.1	1139.0	1089.3
150°	1460.7	1495.9	1460.7	1425.4	1416.7	1357.2	1277.9	1238.3	1209.5	1151.8	1108.6
152.5°	1423.8	1450.3	1423.8	1397.2	1390.6	1339.8	1272.1	1238.3	1212.3	1160.2	1121.2
155°	1381.5	1399.0	1381.5	1363.9	1359.5	1319.1	1265.2	1238.3	1218.4	1178.8	1149.0
157.5°	1348.0	1360.3	1348.0	1335.6	1332.5	1301.1	1259.2	1238.3	1224.6	1197.3	1176.8
160°	1328.0	1335.0	1328.0	1320.9	1319.1	1292.1	1256.2	1238.3	1227.4	1205.8	1189.5
162.5°	1314.8	1321.6	1314.8	1308.1	1306.4	1283.7	1253.4	1238.3	1230.4	1214.6	1202.9
165°	1295.9	1303.1	1295.9	1288.9	1287.0	1270.8	1249.1	1238.3	1234.7	1227.6	1222.2
167.5°	1282.4	1285.4	1282.4	1279.4	1278.6	1267.9	1253.7	1246.7	1243.7	1237.7	1233.2
170°	1278.6	1278.6	1278.6	1278.6	1278.6	1267.9	1253.7	1246.7	1246.5	1246.1	1245.9
172.5°	1268.7	1266.0	1268.7	1271.3	1271.9	1263.5	1252.3	1246.7	1246.7	1246.7	1246.7
175°	1262.7	1262.7	1262.7	1262.7	1262.7	1257.4	1250.2	1246.7	1248.4	1251.7	1254.3
177.5°	1257.3	1254.3	1257.3	1260.3	1261.0	1256.8	1251.2	1248.4	1249.7	1252.3	1254.3
180°	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3



TEST NUMBER: P934755

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4
2.5°	2911.1	2894.8	2894.8	2867.6	2856.8	2848.6	2835.1	2794.3	2783.5	2772.6	2788.9
5°	2935.5	2905.7	2883.9	2835.1	2794.3	2778.0	2726.4	2628.7	2563.5	2514.6	2487.5
7.5°	2941.0	2902.9	2862.2	2786.2	2688.4	2645.0	2487.5	2308.2	2259.3	2215.8	2188.7
10°	2935.5	2892.1	2835.1	2721.0	2490.2	2414.2	2256.6	2139.8	2109.9	2101.8	2109.9
12.5°	2916.5	2875.8	2797.0	2607.0	2283.7	2232.1	2139.8	2071.9	2066.5	2080.1	2153.4
15°	2883.9	2845.9	2753.6	2454.9	2169.7	2131.7	2066.5	2042.0	2071.9	2167.0	2386.9
17.5°	2851.3	2807.9	2693.8	2305.4	2082.8	2055.6	2009.5	2058.3	2226.7	2354.3	2427.7
20°	2807.9	2756.3	2626.0	2196.8	2020.3	1995.9	1974.2	2194.1	2321.7	2367.9	2408.7
22.5°	2756.3	2702.0	2533.6	2120.8	1955.1	1936.1	1949.7	2270.1	2321.7	2354.3	2389.6
25°	2688.4	2642.3	2425.0	2061.1	1903.6	1881.8	1933.4	2262.0	2291.9	2300.0	2370.6
27.5°	2626.0	2566.2	2310.9	2006.7	1841.1	1833.0	1947.0	2226.7	2248.4	2256.6	2332.6
30°	2549.9	2460.3	2183.2	1949.7	1775.9	1773.2	1949.7	2183.2	2177.8	2199.5	2275.6
32.5°	2471.2	2302.7	2039.3	1879.1	1713.5	1710.8	1930.7	2118.1	2112.6	2142.5	2199.5
35°	2397.9	2180.5	1843.8	1797.6	1634.7	1637.4	1884.5	2042.0	2044.8	2071.9	2107.2
37.5°	2321.7	2074.6	1629.3	1708.0	1558.7	1558.7	1822.1	1971.4	1966.0	1974.2	2023.0
40°	2232.1	1909.0	1439.2	1591.3	1488.1	1479.9	1746.1	1895.4	1876.4	1873.7	1941.6
42.5°	2137.1	1727.0	1298.0	1436.5	1406.6	1395.8	1653.7	1803.1	1767.8	1775.9	1862.8
45°	2033.9	1678.2	1189.4	1213.8	1322.4	1314.3	1553.3	1697.2	1672.7	1694.5	1784.1
47.5°	1930.7	1580.4	1154.1	1007.4	1232.8	1230.1	1441.9	1594.0	1580.4	1602.1	1697.2
50°	1789.5	1471.8	1151.4	863.5	1132.4	1143.2	1308.9	1493.5	1493.5	1512.5	1613.0
52.5°	1607.6	1338.7	1045.5	782.1	1015.6	1048.2	1192.1	1406.6	1412.1	1431.1	1520.7
55°	1441.9	1200.2	969.4	719.6	877.1	947.7	1078.0	1317.0	1327.9	1346.9	1428.3
57.5°	1289.9	999.3	953.1	646.3	749.5	817.4	977.6	1230.1	1235.5	1251.8	1330.6
60°	1126.9	722.3	874.4	567.5	638.1	689.7	885.2	1126.9	1145.9	1156.8	1224.7
62.5°	942.3	524.1	792.9	513.2	583.8	594.7	809.2	1029.2	1053.6	1061.8	1102.5
65°	670.7	439.9	673.4	467.1	526.8	529.5	727.7	928.7	950.4	964.0	993.9
67.5°	453.5	358.4	513.2	423.6	483.4	486.1	649.0	811.9	841.8	852.7	871.7
70°	315.0	239.0	380.2	377.5	434.5	439.9	564.8	706.0	733.2	741.3	752.2
72.5°	230.8	192.8	315.0	339.4	382.9	388.3	477.9	586.5	613.7	621.8	627.3
75°	176.5	203.7	255.3	296.0	325.9	328.6	391.0	477.9	496.9	502.4	505.1
77.5°	141.2	190.1	187.4	239.0	266.1	260.7	306.8	369.3	385.6	385.6	385.6
80°	105.9	149.4	141.2	171.1	195.5	190.1	220.0	263.4	268.8	274.3	271.5
82.5°	78.7	95.0	95.0	108.6	130.3	124.9	146.6	171.1	171.1	171.1	176.5
85°	48.9	54.3	43.4	57.0	73.3	70.6	81.5	92.3	95.0	95.0	89.6
87.5°	29.9	24.4	13.6	21.7	32.6	32.6	38.0	40.7	38.0	38.0	38.0
90°	21.8	15.1	8.4	15.1	21.8	23.5	37.0	55.0	64.0	56.8	42.6
92.5°	148.2	90.9	33.7	90.9	148.2	162.5	228.4	316.3	360.3	315.7	226.7
95°	290.4	185.6	80.8	185.6	290.4	316.5	562.0	889.4	1053.1	939.7	713.0
97.5°	324.6	232.2	139.8	232.2	324.6	347.7	757.1	1302.9	1575.8	1504.1	1360.8
100°	352.8	269.0	185.2	269.0	352.8	373.7	828.0	1433.7	1736.6	1741.8	1752.3
102.5°	380.3	302.1	223.9	302.1	380.3	399.8	860.5	1474.9	1782.1	1873.3	2055.9
105°	422.0	355.8	289.6	355.8	422.0	438.6	884.7	1479.6	1777.0	1981.7	2391.0
107.5°	480.4	418.6	356.9	418.6	480.4	495.8	889.2	1413.8	1676.0	1961.5	2532.4
110°	513.9	458.1	402.3	458.1	513.9	527.8	882.4	1355.4	1591.8	1911.0	2549.2



TEST NUMBER: P934755

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	553.2	500.1	447.0	500.1	553.2	566.5	882.8	1304.4	1515.2	1841.8	2495.1
115°	612.3	563.3	514.3	563.3	612.3	624.6	890.9	1246.0	1423.5	1738.1	2367.4
117.5°	669.8	625.4	580.8	625.4	669.8	681.0	907.4	1209.3	1360.3	1644.2	2212.1
120°	703.3	661.5	619.6	661.5	703.3	713.8	920.9	1197.0	1335.0	1594.4	2113.4
122.5°	742.0	699.7	657.4	699.7	742.0	752.6	940.3	1190.6	1315.7	1549.3	2016.6
125°	792.6	754.1	715.5	754.1	792.6	802.2	966.3	1185.2	1294.7	1493.2	1890.1
127.5°	840.5	801.6	762.7	801.6	840.5	850.2	992.5	1182.1	1277.0	1447.4	1788.2
130°	871.7	829.9	787.9	829.9	871.7	882.2	1011.5	1184.0	1270.2	1421.9	1725.3
132.5°	897.7	855.9	814.0	855.9	897.7	908.2	1026.9	1185.2	1264.3	1400.1	1671.7
135°	929.1	890.9	852.8	890.9	929.1	938.6	1043.8	1184.1	1254.3	1368.0	1595.4
137.5°	967.9	930.1	892.3	930.1	967.9	977.3	1069.1	1191.4	1252.6	1348.7	1541.0
140°	994.7	959.8	925.1	959.8	994.7	1003.4	1084.5	1192.6	1246.7	1329.8	1495.9
142.5°	1014.7	982.6	950.3	982.6	1014.7	1022.7	1097.4	1196.9	1246.7	1319.6	1465.5
145°	1045.2	1017.1	989.1	1017.1	1045.2	1052.2	1114.3	1196.9	1238.3	1297.9	1417.3
147.5°	1082.5	1055.1	1027.8	1055.1	1082.5	1089.3	1139.0	1205.1	1238.3	1285.2	1379.1
150°	1102.5	1077.8	1053.1	1077.8	1102.5	1108.6	1151.8	1209.5	1238.3	1277.9	1357.2
152.5°	1116.5	1097.9	1079.1	1097.9	1116.5	1121.2	1160.2	1212.3	1238.3	1272.1	1339.8
155°	1145.6	1131.7	1117.9	1131.7	1145.6	1149.0	1178.8	1218.4	1238.3	1265.2	1319.1
157.5°	1173.5	1160.0	1146.5	1160.0	1173.5	1176.8	1197.3	1224.6	1238.3	1259.2	1301.1
160°	1186.8	1176.3	1165.8	1176.3	1186.8	1189.5	1205.8	1227.4	1238.3	1256.2	1292.1
162.5°	1200.9	1193.1	1185.2	1193.1	1200.9	1202.9	1214.6	1230.4	1238.3	1253.4	1283.7
165°	1220.4	1213.4	1206.3	1213.4	1220.4	1222.2	1227.6	1234.7	1238.3	1249.1	1270.8
167.5°	1232.4	1228.9	1225.6	1228.9	1232.4	1233.2	1237.7	1243.7	1246.7	1253.7	1267.9
170°	1245.0	1241.6	1238.3	1241.6	1245.0	1245.9	1246.1	1246.5	1246.7	1253.7	1267.9
172.5°	1246.5	1245.7	1245.0	1245.7	1246.5	1246.7	1246.7	1246.7	1246.7	1252.3	1263.5
175°	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1251.7	1248.4	1246.7	1250.2	1257.4
177.5°	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1252.3	1249.7	1248.4	1251.2	1256.8
180°	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3



TEST NUMBER: P934755

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4
2.5°	2769.9	2761.7	2772.6	2742.7	2772.6	2761.7	2769.9	2788.9	2772.6	2783.5	2794.3
5°	2430.4	2416.9	2373.3	2338.0	2373.3	2416.9	2430.4	2487.5	2514.6	2563.5	2628.7
7.5°	2172.4	2161.5	2150.7	2128.9	2150.7	2161.5	2172.4	2188.7	2215.8	2259.3	2308.2
10°	2115.4	2118.1	2134.4	2131.7	2134.4	2118.1	2115.4	2109.9	2101.8	2109.9	2139.8
12.5°	2262.0	2286.4	2376.0	2370.6	2376.0	2286.4	2262.0	2153.4	2080.1	2066.5	2071.9
15°	2430.4	2438.6	2457.6	2460.3	2457.6	2438.6	2430.4	2386.9	2167.0	2071.9	2042.0
17.5°	2446.7	2449.5	2463.0	2463.0	2463.0	2449.5	2446.7	2427.7	2354.3	2226.7	2058.3
20°	2433.2	2438.6	2465.7	2471.2	2465.7	2438.6	2433.2	2408.7	2367.9	2321.7	2194.1
22.5°	2427.7	2438.6	2460.3	2457.6	2460.3	2438.6	2427.7	2389.6	2354.3	2321.7	2270.1
25°	2400.6	2400.6	2403.3	2406.0	2403.3	2400.6	2400.6	2370.6	2300.0	2291.9	2262.0
27.5°	2343.5	2348.9	2365.2	2362.5	2365.2	2348.9	2343.5	2332.6	2256.6	2248.4	2226.7
30°	2291.9	2286.4	2272.9	2262.0	2272.9	2286.4	2291.9	2275.6	2199.5	2177.8	2183.2
32.5°	2205.0	2191.4	2177.8	2169.7	2177.8	2191.4	2205.0	2199.5	2142.5	2112.6	2118.1
35°	2101.8	2104.5	2101.8	2093.6	2101.8	2104.5	2101.8	2107.2	2071.9	2044.8	2042.0
37.5°	2028.5	2033.9	2031.2	2020.3	2031.2	2033.9	2028.5	2023.0	1974.2	1966.0	1971.4
40°	1952.4	1955.1	1952.4	1944.3	1952.4	1955.1	1952.4	1941.6	1873.7	1876.4	1895.4
42.5°	1879.1	1876.4	1868.3	1862.8	1868.3	1876.4	1879.1	1862.8	1775.9	1767.8	1803.1
45°	1794.9	1797.6	1781.4	1773.2	1781.4	1797.6	1794.9	1784.1	1694.5	1672.7	1697.2
47.5°	1710.8	1710.8	1697.2	1689.0	1697.2	1710.8	1710.8	1697.2	1602.1	1580.4	1594.0
50°	1621.1	1618.4	1599.4	1596.7	1599.4	1618.4	1621.1	1613.0	1512.5	1493.5	1493.5
52.5°	1518.0	1518.0	1520.7	1526.1	1520.7	1518.0	1518.0	1520.7	1431.1	1412.1	1406.6
55°	1428.3	1431.1	1450.1	1455.5	1450.1	1431.1	1428.3	1428.3	1346.9	1327.9	1317.0
57.5°	1336.0	1336.0	1349.6	1349.6	1349.6	1336.0	1336.0	1330.6	1251.8	1235.5	1230.1
60°	1230.1	1235.5	1246.4	1243.7	1246.4	1235.5	1230.1	1224.7	1156.8	1145.9	1126.9
62.5°	1118.8	1124.2	1126.9	1121.5	1126.9	1124.2	1118.8	1102.5	1061.8	1053.6	1029.2
65°	1002.0	1007.4	1010.2	1004.7	1010.2	1007.4	1002.0	993.9	964.0	950.4	928.7
67.5°	882.5	879.8	877.1	888.0	877.1	879.8	882.5	871.7	852.7	841.8	811.9
70°	760.3	760.3	757.6	763.1	757.6	760.3	760.3	752.2	741.3	733.2	706.0
72.5°	630.0	627.3	638.1	630.0	638.1	627.3	630.0	627.3	621.8	613.7	586.5
75°	502.4	507.8	502.4	510.5	502.4	507.8	502.4	505.1	502.4	496.9	477.9
77.5°	382.9	388.3	382.9	382.9	382.9	388.3	382.9	385.6	385.6	385.6	369.3
80°	271.5	268.8	268.8	266.1	268.8	268.8	271.5	271.5	274.3	268.8	263.4
82.5°	173.8	171.1	171.1	176.5	171.1	171.1	173.8	176.5	171.1	171.1	171.1
85°	95.0	97.8	92.3	92.3	92.3	97.8	95.0	89.6	95.0	95.0	92.3
87.5°	35.3	32.6	32.6	32.6	32.6	32.6	35.3	38.0	38.0	38.0	40.7
90°	32.0	32.0	32.0	32.0	32.0	32.0	32.0	42.6	56.8	64.0	55.0
92.5°	159.9	153.6	128.2	102.7	128.2	153.6	159.9	226.7	315.7	360.3	316.3
95°	542.9	523.6	446.6	369.6	446.6	523.6	542.9	713.0	939.7	1053.1	889.4
97.5°	1253.4	1216.7	1070.1	923.4	1070.1	1216.7	1253.4	1360.8	1504.1	1575.8	1302.9
100°	1760.2	1716.5	1541.8	1367.1	1541.8	1716.5	1760.2	1752.3	1741.8	1736.6	1433.7
102.5°	2192.8	2155.5	2005.7	1856.1	2005.7	2155.5	2192.8	2055.9	1873.3	1782.1	1474.9
105°	2697.9	2677.8	2597.4	2516.9	2597.4	2677.8	2697.9	2391.0	1981.7	1777.0	1479.6
107.5°	2960.5	2965.4	2984.9	3004.3	2984.9	2965.4	2960.5	2532.4	1961.5	1676.0	1413.8
110°	3027.9	3048.8	3132.6	3216.4	3132.6	3048.8	3027.9	2549.2	1911.0	1591.8	1355.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2984.9	3017.1	3145.8	3274.5	3145.8	3017.1	2984.9	2495.1	1841.8	1515.2	1304.4
115°	2839.3	2883.9	3062.3	3240.8	3062.3	2883.9	2839.3	2367.4	1738.1	1423.5	1246.0
117.5°	2638.1	2687.6	2885.5	3083.4	2885.5	2687.6	2638.1	2212.1	1644.2	1360.3	1209.3
120°	2502.6	2550.7	2743.0	2935.3	2743.0	2550.7	2502.6	2113.4	1594.4	1335.0	1197.0
122.5°	2367.1	2414.5	2604.1	2793.9	2604.1	2414.5	2367.1	2016.6	1549.3	1315.7	1190.6
125°	2187.8	2231.5	2406.2	2580.9	2406.2	2231.5	2187.8	1890.1	1493.2	1294.7	1185.2
127.5°	2043.9	2080.7	2228.1	2375.5	2228.1	2080.7	2043.9	1788.2	1447.4	1277.0	1182.1
130°	1952.9	1986.9	2123.1	2259.4	2123.1	1986.9	1952.9	1725.3	1421.9	1270.2	1184.0
132.5°	1875.5	1906.0	2027.9	2149.9	2027.9	1906.0	1875.5	1671.7	1400.1	1264.3	1185.2
135°	1766.1	1792.3	1897.5	2002.6	1897.5	1792.3	1766.1	1595.4	1368.0	1254.3	1184.1
137.5°	1685.2	1706.8	1792.8	1878.8	1792.8	1706.8	1685.2	1541.0	1348.7	1252.6	1191.4
140°	1620.4	1640.5	1721.0	1801.4	1721.0	1640.5	1620.4	1495.9	1329.8	1246.7	1192.6
142.5°	1575.0	1592.3	1661.5	1730.7	1661.5	1592.3	1575.0	1465.5	1319.6	1246.7	1196.9
145°	1506.8	1519.9	1572.3	1624.6	1572.3	1519.9	1506.8	1417.3	1297.9	1238.3	1196.9
147.5°	1449.5	1460.4	1503.7	1547.2	1503.7	1460.4	1449.5	1379.1	1285.2	1238.3	1205.1
150°	1416.7	1425.4	1460.7	1495.9	1460.7	1425.4	1416.7	1357.2	1277.9	1238.3	1209.5
152.5°	1390.6	1397.2	1423.8	1450.3	1423.8	1397.2	1390.6	1339.8	1272.1	1238.3	1212.3
155°	1359.5	1363.9	1381.5	1399.0	1381.5	1363.9	1359.5	1319.1	1265.2	1238.3	1218.4
157.5°	1332.5	1335.6	1348.0	1360.3	1348.0	1335.6	1332.5	1301.1	1259.2	1238.3	1224.6
160°	1319.1	1320.9	1328.0	1335.0	1328.0	1320.9	1319.1	1292.1	1256.2	1238.3	1227.4
162.5°	1306.4	1308.1	1314.8	1321.6	1314.8	1308.1	1306.4	1283.7	1253.4	1238.3	1230.4
165°	1287.0	1288.9	1295.9	1303.1	1295.9	1288.9	1287.0	1270.8	1249.1	1238.3	1234.7
167.5°	1278.6	1279.4	1282.4	1285.4	1282.4	1279.4	1278.6	1267.9	1253.7	1246.7	1243.7
170°	1278.6	1278.6	1278.6	1278.6	1278.6	1278.6	1278.6	1267.9	1253.7	1246.7	1246.5
172.5°	1271.9	1271.3	1268.7	1266.0	1268.7	1271.3	1271.9	1263.5	1252.3	1246.7	1246.7
175°	1262.7	1262.7	1262.7	1262.7	1262.7	1262.7	1262.7	1257.4	1250.2	1246.7	1248.4
177.5°	1261.0	1260.3	1257.3	1254.3	1257.3	1260.3	1261.0	1256.8	1251.2	1248.4	1249.7
180°	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2870.4	2870.4	2870.4	2870.4	2870.4
2.5°	2835.1	2848.6	2856.8	2867.6	2894.8
5°	2726.4	2778.0	2794.3	2835.1	2883.9
7.5°	2487.5	2645.0	2688.4	2786.2	2862.2
10°	2256.6	2414.2	2490.2	2721.0	2835.1
12.5°	2139.8	2232.1	2283.7	2607.0	2797.0
15°	2066.5	2131.7	2169.7	2454.9	2753.6
17.5°	2009.5	2055.6	2082.8	2305.4	2693.8
20°	1974.2	1995.9	2020.3	2196.8	2626.0
22.5°	1949.7	1936.1	1955.1	2120.8	2533.6
25°	1933.4	1881.8	1903.6	2061.1	2425.0
27.5°	1947.0	1833.0	1841.1	2006.7	2310.9
30°	1949.7	1773.2	1775.9	1949.7	2183.2
32.5°	1930.7	1710.8	1713.5	1879.1	2039.3
35°	1884.5	1637.4	1634.7	1797.6	1843.8
37.5°	1822.1	1558.7	1558.7	1708.0	1629.3
40°	1746.1	1479.9	1488.1	1591.3	1439.2
42.5°	1653.7	1395.8	1406.6	1436.5	1298.0
45°	1553.3	1314.3	1322.4	1213.8	1189.4
47.5°	1441.9	1230.1	1232.8	1007.4	1154.1
50°	1308.9	1143.2	1132.4	863.5	1151.4
52.5°	1192.1	1048.2	1015.6	782.1	1045.5
55°	1078.0	947.7	877.1	719.6	969.4
57.5°	977.6	817.4	749.5	646.3	953.1
60°	885.2	689.7	638.1	567.5	874.4
62.5°	809.2	594.7	583.8	513.2	792.9
65°	727.7	529.5	526.8	467.1	673.4
67.5°	649.0	486.1	483.4	423.6	513.2
70°	564.8	439.9	434.5	377.5	380.2
72.5°	477.9	388.3	382.9	339.4	315.0
75°	391.0	328.6	325.9	296.0	255.3
77.5°	306.8	260.7	266.1	239.0	187.4
80°	220.0	190.1	195.5	171.1	141.2
82.5°	146.6	124.9	130.3	108.6	95.0
85°	81.5	70.6	73.3	57.0	43.4
87.5°	38.0	32.6	32.6	21.7	13.6
90°	37.0	23.5	21.8	15.1	8.4
92.5°	228.4	162.5	148.2	90.9	33.7
95°	562.0	316.5	290.4	185.6	80.8
97.5°	757.1	347.7	324.6	232.2	139.8
100°	828.0	373.7	352.8	269.0	185.2
102.5°	860.5	399.8	380.3	302.1	223.9
105°	884.7	438.6	422.0	355.8	289.6
107.5°	889.2	495.8	480.4	418.6	356.9
110°	882.4	527.8	513.9	458.1	402.3



TEST NUMBER: P934755

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	882.8	566.5	553.2	500.1	447.0
115°	890.9	624.6	612.3	563.3	514.3
117.5°	907.4	681.0	669.8	625.4	580.8
120°	920.9	713.8	703.3	661.5	619.6
122.5°	940.3	752.6	742.0	699.7	657.4
125°	966.3	802.2	792.6	754.1	715.5
127.5°	992.5	850.2	840.5	801.6	762.7
130°	1011.5	882.2	871.7	829.9	787.9
132.5°	1026.9	908.2	897.7	855.9	814.0
135°	1043.8	938.6	929.1	890.9	852.8
137.5°	1069.1	977.3	967.9	930.1	892.3
140°	1084.5	1003.4	994.7	959.8	925.1
142.5°	1097.4	1022.7	1014.7	982.6	950.3
145°	1114.3	1052.2	1045.2	1017.1	989.1
147.5°	1139.0	1089.3	1082.5	1055.1	1027.8
150°	1151.8	1108.6	1102.5	1077.8	1053.1
152.5°	1160.2	1121.2	1116.5	1097.9	1079.1
155°	1178.8	1149.0	1145.6	1131.7	1117.9
157.5°	1197.3	1176.8	1173.5	1160.0	1146.5
160°	1205.8	1189.5	1186.8	1176.3	1165.8
162.5°	1214.6	1202.9	1200.9	1193.1	1185.2
165°	1227.6	1222.2	1220.4	1213.4	1206.3
167.5°	1237.7	1233.2	1232.4	1228.9	1225.6
170°	1246.1	1245.9	1245.0	1241.6	1238.3
172.5°	1246.7	1246.7	1246.5	1245.7	1245.0
175°	1251.7	1254.3	1254.3	1254.3	1254.3
177.5°	1252.3	1254.3	1254.3	1254.3	1254.3
180°	1254.3	1254.3	1254.3	1254.3	1254.3



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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	12.19	13.03	13.17	14.02	15.33	15.04	15.88	16.02	16.87	18.18
	3H	12.67	13.42	13.65	14.42	15.74	16.39	17.15	17.38	18.15	19.47
	4H	12.86	13.57	13.86	14.57	15.91	16.84	17.56	17.84	18.56	19.89
	6H	12.98	13.63	13.99	14.64	15.98	17.13	17.79	18.14	18.79	20.14
	8H	12.98	13.60	13.99	14.63	15.97	17.21	17.83	18.22	18.86	20.20
	12H	12.95	13.54	13.97	14.56	15.92	17.25	17.84	18.27	18.86	20.23
4H	2H	13.23	13.94	14.23	14.94	16.27	15.45	16.16	16.46	17.16	18.50
	3H	14.25	14.85	15.27	15.88	17.22	16.96	17.55	17.97	18.59	19.93
	4H	14.53	15.07	15.55	16.10	17.46	17.49	18.04	18.51	19.06	20.43
	6H	14.65	15.12	15.69	16.17	17.53	17.86	18.33	18.89	19.38	20.74
	8H	14.66	15.09	15.69	16.13	17.51	17.97	18.41	19.01	19.45	20.83
	12H	14.62	15.02	15.68	16.07	17.46	18.03	18.42	19.08	19.48	20.86
8H	4H	14.98	15.42	16.02	16.46	17.84	17.61	18.05	18.65	19.09	20.47
	6H	15.24	15.61	16.30	16.69	18.06	18.05	18.42	19.11	19.50	20.87
	8H	15.29	15.60	16.35	16.67	18.07	18.21	18.53	19.28	19.59	20.99
	12H	15.27	15.55	16.34	16.61	18.05	18.31	18.59	19.38	19.65	21.09
12H	4H	14.99	15.38	16.04	16.44	17.82	17.58	17.97	18.63	19.03	20.41
	6H	15.31	15.62	16.37	16.69	18.09	18.05	18.37	19.12	19.44	20.83
	8H	15.37	15.65	16.44	16.71	18.15	18.22	18.50	19.29	19.56	20.99