

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: P934730

Luminaire Tested: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-12-6500K

Issue Date: 12/17/2024

**Test Information**

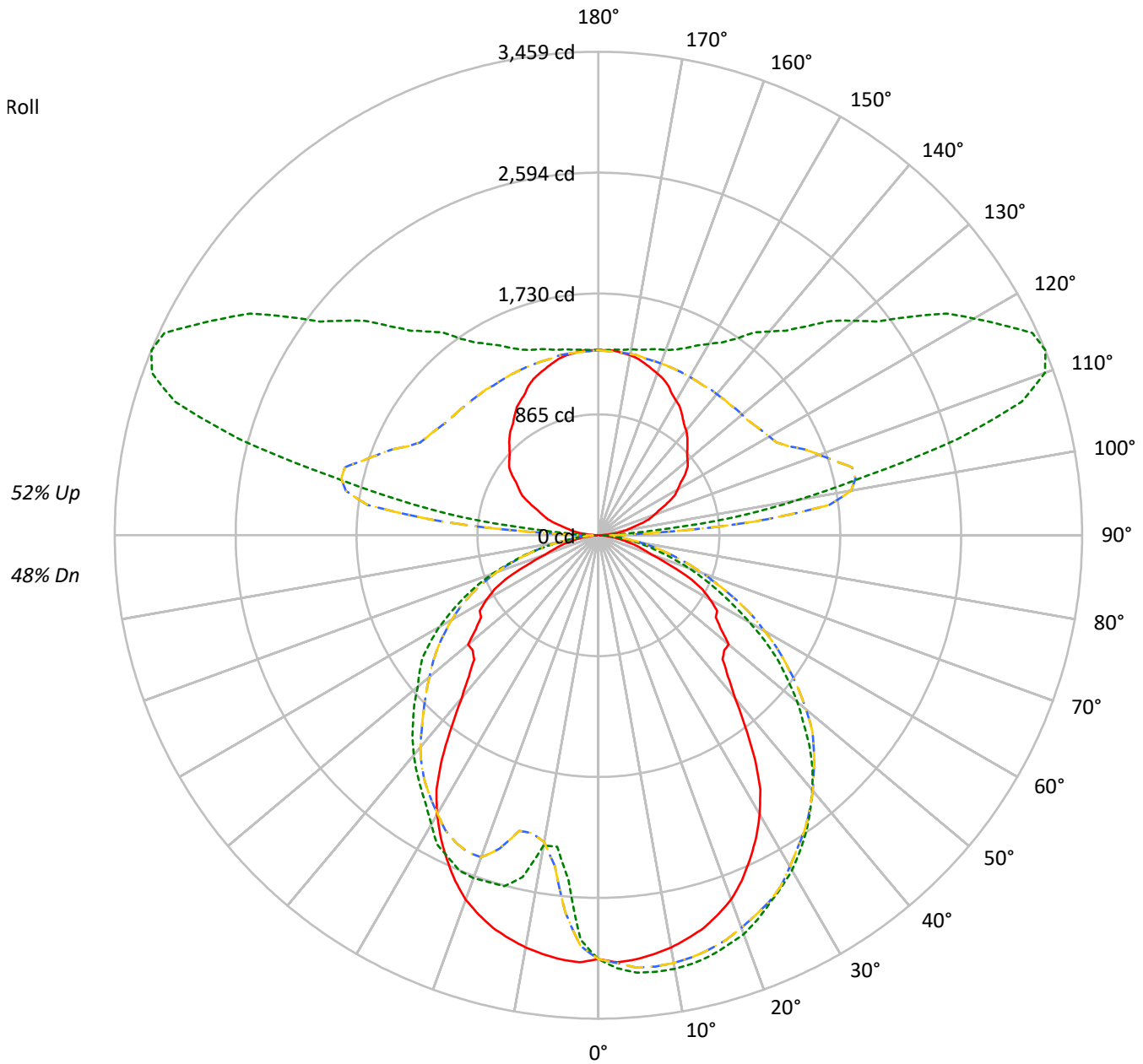
Test Method: LM-79-2019  
Report Number: P934730  
REPORT IS A COMBINATION OF REPORTS P933709 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-12-6500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16456.0 lumens  
Efficiency: N/A  
Efficacy: 129.4 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

TEST NUMBER: P934730  
CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-12-6500K

### Luminous Intensity Polar Plot



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



TEST NUMBER: P934730

CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-12-6500K

**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°	9379	9379	9379	9379
5°	9452	9467	9452	7444
10°	9393	9326	9393	6667
15°	9294	9124	9294	7619
20°	9103	8884	9103	7635
25°	8709	8535	8709	7473
30°	8198	8246	8198	7117
35°	7312	7879	7312	6727
40°	6096	7447	6096	6432
45°	5450	6942	5450	6093
50°	5795	6339	5795	5752
55°	5458	5690	5458	5556
60°	5633	4833	5633	5088
65°	5115	3995	5115	4466
70°	3551	3184	3551	3743
75°	3125	2354	3125	2818
80°	2538	1556	2538	1694
85°	1487	824	1487	700

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 8349 cd/sqm



TEST NUMBER: P934730

CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-12-6500K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	273.7	1.7
10°-20°	777.1	4.7
20°-30°	1201.3	7.3
30°-40°	1434.1	8.7
40°-50°	1442.5	8.8
50°-60°	1255.1	7.6
60°-70°	889.9	5.4
70°-80°	470.8	2.9
80°-90°	122.3	0.7
90°-100°	645.8	3.9
100°-110°	1698.0	10.3
110°-120°	1760.6	10.7
120°-130°	1412.2	8.6
130°-140°	1108.1	6.7
140°-150°	850.5	5.2
150°-160°	612.5	3.7
160°-170°	374.8	2.3
170°-180°	126.6	0.8
0°-30°	2252.1	13.7
0°-40°	3686.2	22.4
0°-60°	6383.8	38.8
0°-90°	7866.8	47.8
90°-120°	4104.5	24.9
90°-150°	7475.3	45.4
90°-180°	8589.0	52.2
0°-180°	16456.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3032	3032	3032	3032	3032	
5°	3046	3141	3046	2470	3046	289
15°	2909	3112	2909	2599	2909	818
25°	2562	2903	2562	2542	2562	1176
35°	1948	2590	1948	2212	1948	1205
45°	1256	2134	1256	1873	1256	1006
55°	1024	1575	1024	1538	1024	941
65°	711	950	711	1061	711	680
75°	270	450	270	539	270	283
85°	46	115	46	98	46	62
90°	9	34	9	34	9	9
95°	85	390	85	390	85	95
105°	306	2659	306	2659	306	324
115°	543	3424	543	3424	543	537
125°	756	2726	756	2726	756	671
135°	901	2116	901	2116	901	697
145°	1045	1716	1045	1716	1045	655
155°	1181	1478	1181	1478	1181	543
165°	1274	1376	1274	1376	1274	360
175°	1325	1334	1325	1334	1325	126
180°	1325	1325	1325	1325	1325	



TEST NUMBER: P934730

CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2
2.5°	3058.0	3058.0	3075.2	3080.9	3080.9	3072.3	3063.7	3072.3	3098.2	3106.8	3103.9
5°	3046.5	3069.5	3101.0	3106.8	3112.5	3109.6	3103.9	3109.6	3138.3	3144.1	3146.9
7.5°	3023.6	3066.6	3106.8	3115.4	3124.0	3115.4	3112.5	3118.2	3146.9	3152.7	3152.7
10°	2994.9	3055.1	3101.0	3106.8	3115.4	3106.8	3106.8	3118.2	3146.9	3152.7	3155.5
12.5°	2954.7	3037.9	3080.9	3086.7	3098.2	3095.3	3092.4	3103.9	3132.6	3138.3	3138.3
15°	2908.8	3006.4	3046.5	3052.3	3072.3	3066.6	3066.6	3078.1	3109.6	3118.2	3115.4
17.5°	2845.7	2966.2	3012.1	3020.7	3035.1	3032.2	3035.1	3046.5	3075.2	3080.9	3083.8
20°	2774.0	2911.7	2966.2	2974.8	2989.2	2989.2	2989.2	3003.5	3032.2	3043.7	3043.7
22.5°	2676.5	2854.3	2911.7	2917.4	2934.7	2934.7	2940.4	2960.5	2986.3	2989.2	2989.2
25°	2561.7	2791.2	2840.0	2857.2	2874.4	2883.0	2891.6	2903.1	2911.7	2908.8	2911.7
27.5°	2441.2	2710.9	2774.0	2785.5	2808.4	2817.0	2828.5	2831.4	2834.3	2842.9	2837.1
30°	2306.3	2599.0	2693.7	2705.2	2742.5	2748.2	2736.7	2742.5	2756.8	2762.5	2768.3
32.5°	2154.3	2432.6	2610.5	2636.3	2670.7	2653.5	2650.7	2659.3	2682.2	2682.2	2688.0
35°	1947.8	2303.5	2533.1	2556.0	2581.8	2561.7	2573.2	2576.1	2590.4	2599.0	2596.2
37.5°	1721.1	2191.6	2452.6	2469.8	2489.9	2464.1	2481.3	2489.9	2501.4	2495.7	2495.7
40°	1520.3	2016.6	2358.0	2369.4	2386.7	2366.6	2383.8	2389.5	2395.3	2389.5	2386.7
42.5°	1371.2	1824.4	2257.6	2271.9	2260.4	2274.8	2280.5	2292.0	2283.4	2271.9	2271.9
45°	1256.4	1772.8	2148.6	2165.8	2148.6	2171.5	2180.1	2180.1	2154.3	2148.6	2145.7
47.5°	1219.1	1669.5	2039.6	2039.6	2031.0	2059.6	2074.0	2053.9	2028.1	2019.5	2019.5
50°	1216.3	1554.8	1890.4	1878.9	1919.1	1953.5	1939.2	1919.1	1899.0	1867.4	1867.4
52.5°	1104.4	1414.2	1698.2	1741.2	1804.3	1824.4	1801.5	1781.4	1747.0	1732.6	1721.1
55°	1024.1	1267.9	1523.2	1609.3	1675.3	1701.1	1658.0	1638.0	1586.3	1577.7	1572.0
57.5°	1006.9	1055.6	1362.6	1471.6	1551.9	1549.0	1523.2	1485.9	1442.9	1434.3	1431.4
60°	923.7	763.0	1190.5	1319.5	1402.7	1394.1	1371.2	1336.8	1296.6	1290.9	1285.1
62.5°	837.6	553.6	995.4	1141.7	1259.3	1256.4	1236.4	1184.7	1156.0	1141.7	1130.2
65°	711.4	464.7	708.5	949.5	1118.7	1124.5	1081.5	1044.2	1012.6	995.4	992.5
67.5°	542.2	378.7	479.1	791.7	983.9	978.2	923.7	906.5	866.3	857.7	840.5
70°	401.6	252.4	332.8	642.6	852.0	837.6	794.6	774.5	737.2	717.1	705.7
72.5°	332.8	203.7	243.8	499.1	717.1	699.9	662.6	639.7	608.1	590.9	579.5
75°	269.6	215.1	186.5	370.0	582.3	570.8	536.4	513.5	487.7	464.7	467.6
77.5°	197.9	200.8	149.2	272.5	461.8	444.6	424.5	395.9	384.4	361.4	361.4
80°	149.2	157.8	111.9	186.5	332.8	332.8	315.5	295.5	275.4	263.9	263.9
82.5°	100.4	100.4	83.2	117.6	226.6	218.0	206.5	200.8	189.3	183.6	183.6
85°	45.9	57.4	51.6	71.7	123.3	129.1	129.1	123.3	120.5	114.7	117.6
87.5°	14.3	25.8	31.6	40.2	63.1	66.0	68.8	68.8	68.8	71.7	71.7
90°	8.9	16.0	23.0	24.9	39.1	58.1	67.6	60.0	45.0	33.8	33.8
92.5°	35.6	96.0	156.5	171.6	241.2	334.1	380.6	333.5	239.5	169.0	162.3
95°	85.4	196.0	306.7	334.4	593.7	939.6	1112.4	992.7	753.2	573.5	553.2
97.5°	147.6	245.3	342.9	367.3	799.8	1376.3	1664.6	1588.9	1437.5	1324.0	1285.3
100°	195.6	284.2	372.7	394.8	874.7	1514.5	1834.5	1840.0	1851.1	1859.4	1813.2
102.5°	236.6	319.2	401.7	422.4	909.1	1558.0	1882.6	1978.9	2171.8	2316.5	2277.0
105°	305.9	375.9	445.8	463.3	934.6	1563.0	1877.2	2093.4	2525.8	2850.0	2828.8
107.5°	377.0	442.2	507.5	523.8	939.4	1493.5	1770.5	2072.1	2675.1	3127.4	3132.6
110°	425.0	483.9	542.8	557.6	932.2	1431.8	1681.6	2018.7	2692.9	3198.6	3220.6



TEST NUMBER: P934730

CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	472.2	528.3	584.4	598.5	932.6	1378.0	1600.7	1945.7	2635.7	3153.2	3187.2
115°	543.3	595.0	646.9	659.8	941.1	1316.2	1503.7	1836.1	2500.8	2999.4	3046.5
117.5°	613.6	660.6	707.6	719.3	958.6	1277.5	1437.0	1736.9	2336.8	2786.8	2839.1
120°	654.5	698.8	743.0	754.1	972.8	1264.5	1410.3	1684.3	2232.5	2643.7	2694.5
122.5°	694.5	739.1	783.8	795.0	993.3	1257.7	1389.8	1636.6	2130.3	2500.5	2550.6
125°	755.9	796.6	837.3	847.5	1020.8	1252.0	1367.6	1577.3	1996.6	2311.1	2357.3
127.5°	805.7	846.8	887.9	898.2	1048.5	1248.8	1349.0	1529.0	1889.1	2159.1	2198.0
130°	832.4	876.6	920.8	931.9	1068.5	1250.7	1341.8	1502.1	1822.6	2063.0	2098.9
132.5°	859.9	904.2	948.4	959.4	1084.8	1252.0	1335.6	1479.0	1766.0	1981.2	2013.5
135°	900.8	941.1	981.4	991.5	1102.7	1250.9	1325.0	1445.1	1685.4	1865.6	1893.4
137.5°	942.6	982.5	1022.5	1032.4	1129.4	1258.5	1323.2	1424.7	1627.9	1780.2	1803.0
140°	977.2	1013.9	1050.8	1059.9	1145.6	1259.9	1317.0	1404.7	1580.2	1711.8	1733.0
142.5°	1003.9	1037.9	1071.9	1080.4	1159.3	1264.4	1317.0	1394.0	1548.2	1663.8	1682.0
145°	1044.8	1074.5	1104.1	1111.6	1177.1	1264.4	1308.1	1371.1	1497.2	1591.8	1605.6
147.5°	1085.8	1114.6	1143.5	1150.7	1203.2	1273.1	1308.1	1357.7	1456.9	1531.2	1542.7
150°	1112.4	1138.5	1164.6	1171.1	1216.8	1277.7	1308.1	1350.0	1433.7	1496.5	1505.8
152.5°	1140.0	1159.8	1179.5	1184.4	1225.6	1280.6	1308.1	1343.8	1415.4	1469.0	1476.0
155°	1180.9	1195.5	1210.2	1213.8	1245.3	1287.1	1308.1	1336.6	1393.5	1436.1	1440.8
157.5°	1211.1	1225.4	1239.6	1243.1	1264.8	1293.6	1308.1	1330.2	1374.4	1407.6	1410.9
160°	1231.6	1242.7	1253.8	1256.5	1273.7	1296.6	1308.1	1327.0	1365.0	1393.5	1395.4
162.5°	1252.0	1260.4	1268.6	1270.7	1283.1	1299.8	1308.1	1324.0	1356.1	1380.1	1381.9
165°	1274.3	1281.8	1289.2	1291.1	1296.8	1304.3	1308.1	1319.5	1342.4	1359.6	1361.5
167.5°	1294.7	1298.2	1301.9	1302.7	1307.5	1313.8	1317.0	1324.4	1339.4	1350.7	1351.5
170°	1308.1	1311.6	1315.2	1316.1	1316.4	1316.8	1317.0	1324.4	1339.4	1350.7	1350.7
172.5°	1315.1	1315.9	1316.8	1317.0	1317.0	1317.0	1317.0	1322.9	1334.7	1343.6	1343.0
175°	1325.0	1325.0	1325.0	1325.0	1322.3	1318.8	1317.0	1320.7	1328.2	1333.9	1333.9
177.5°	1325.0	1325.0	1325.0	1325.0	1322.9	1320.1	1318.8	1321.7	1327.7	1332.1	1331.3
180°	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0



TEST NUMBER: P934730

CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2
2.5°	3109.6	3101.0	3109.6	3103.9	3106.8	3098.2	3072.3	3063.7	3072.3	3080.9	3080.9
5°	3146.9	3141.2	3146.9	3146.9	3144.1	3138.3	3109.6	3103.9	3109.6	3112.5	3106.8
7.5°	3158.4	3149.8	3158.4	3152.7	3152.7	3146.9	3118.2	3112.5	3115.4	3124.0	3115.4
10°	3158.4	3149.8	3158.4	3155.5	3152.7	3146.9	3118.2	3106.8	3106.8	3115.4	3106.8
12.5°	3144.1	3138.3	3144.1	3138.3	3138.3	3132.6	3103.9	3092.4	3095.3	3098.2	3086.7
15°	3121.1	3112.5	3121.1	3115.4	3118.2	3109.6	3078.1	3066.6	3066.6	3072.3	3052.3
17.5°	3086.7	3075.2	3086.7	3083.8	3080.9	3075.2	3046.5	3035.1	3032.2	3035.1	3020.7
20°	3046.5	3037.9	3046.5	3043.7	3043.7	3032.2	3003.5	2989.2	2989.2	2989.2	2974.8
22.5°	2983.4	2974.8	2983.4	2989.2	2989.2	2986.3	2960.5	2940.4	2934.7	2934.7	2917.4
25°	2911.7	2903.1	2911.7	2911.7	2908.8	2911.7	2903.1	2891.6	2883.0	2874.4	2857.2
27.5°	2842.9	2837.1	2842.9	2837.1	2842.9	2834.3	2831.4	2828.5	2817.0	2808.4	2785.5
30°	2774.0	2768.3	2774.0	2768.3	2762.5	2756.8	2742.5	2736.7	2748.2	2742.5	2705.2
32.5°	2688.0	2682.2	2688.0	2688.0	2682.2	2682.2	2659.3	2650.7	2653.5	2670.7	2636.3
35°	2599.0	2590.4	2599.0	2596.2	2599.0	2590.4	2576.1	2573.2	2561.7	2581.8	2556.0
37.5°	2495.7	2487.1	2495.7	2495.7	2495.7	2501.4	2489.9	2481.3	2464.1	2489.9	2469.8
40°	2389.5	2378.1	2389.5	2386.7	2389.5	2395.3	2389.5	2383.8	2366.6	2386.7	2369.4
42.5°	2269.0	2266.2	2269.0	2271.9	2271.9	2283.4	2292.0	2280.5	2274.8	2260.4	2271.9
45°	2140.0	2134.2	2140.0	2145.7	2148.6	2154.3	2180.1	2180.1	2171.5	2148.6	2165.8
47.5°	2002.3	1987.9	2002.3	2019.5	2019.5	2028.1	2053.9	2074.0	2059.6	2031.0	2039.6
50°	1856.0	1858.8	1856.0	1867.4	1867.4	1899.0	1919.1	1939.2	1953.5	1919.1	1878.9
52.5°	1712.5	1709.7	1712.5	1721.1	1732.6	1747.0	1781.4	1801.5	1824.4	1804.3	1741.2
55°	1569.1	1574.8	1569.1	1572.0	1577.7	1586.3	1638.0	1658.0	1701.1	1675.3	1609.3
57.5°	1425.7	1417.1	1425.7	1431.4	1434.3	1442.9	1485.9	1523.2	1549.0	1551.9	1471.6
60°	1259.3	1247.8	1259.3	1285.1	1290.9	1296.6	1336.8	1371.2	1394.1	1402.7	1319.5
62.5°	1113.0	1092.9	1113.0	1130.2	1141.7	1156.0	1184.7	1236.4	1256.4	1259.3	1141.7
65°	958.1	949.5	958.1	992.5	995.4	1012.6	1044.2	1081.5	1124.5	1118.7	949.5
67.5°	817.5	817.5	817.5	840.5	857.7	866.3	906.5	923.7	978.2	983.9	791.7
70°	688.5	685.6	688.5	705.7	717.1	737.2	774.5	794.6	837.6	852.0	642.6
72.5°	565.1	562.2	565.1	579.5	590.9	608.1	639.7	662.6	699.9	717.1	499.1
75°	456.1	450.4	456.1	467.6	464.7	487.7	513.5	536.4	570.8	582.3	370.0
77.5°	350.0	350.0	350.0	361.4	361.4	384.4	395.9	424.5	444.6	461.8	272.5
80°	261.0	258.2	261.0	263.9	263.9	275.4	295.5	315.5	332.8	332.8	186.5
82.5°	183.6	177.9	183.6	183.6	183.6	189.3	200.8	206.5	218.0	226.6	117.6
85°	114.7	114.7	114.7	117.6	114.7	120.5	123.3	129.1	129.1	123.3	71.7
87.5°	74.6	71.7	74.6	71.7	71.7	68.8	68.8	68.8	66.0	63.1	40.2
90°	33.8	33.8	33.8	33.8	33.8	45.0	60.0	67.6	58.1	39.1	24.9
92.5°	135.4	108.5	135.4	162.3	169.0	239.5	333.5	380.6	334.1	241.2	171.6
95°	471.8	390.4	471.8	553.2	573.5	753.2	992.7	1112.4	939.6	593.7	334.4
97.5°	1130.4	975.5	1130.4	1285.3	1324.0	1437.5	1588.9	1664.6	1376.3	799.8	367.3
100°	1628.7	1444.1	1628.7	1813.2	1859.4	1851.1	1840.0	1834.5	1514.5	874.7	394.8
102.5°	2118.8	1960.8	2118.8	2277.0	2316.5	2171.8	1978.9	1882.6	1558.0	909.1	422.4
105°	2743.8	2658.8	2743.8	2828.8	2850.0	2525.8	2093.4	1877.2	1563.0	934.6	463.3
107.5°	3153.1	3173.7	3153.1	3132.6	3127.4	2675.1	2072.1	1770.5	1493.5	939.4	523.8
110°	3309.2	3397.7	3309.2	3220.6	3198.6	2692.9	2018.7	1681.6	1431.8	932.2	557.6





TEST NUMBER: P934730

CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3323.2	3459.1	3323.2	3187.2	3153.2	2635.7	1945.7	1600.7	1378.0	932.6	598.5
115°	3235.0	3423.6	3235.0	3046.5	2999.4	2500.8	1836.1	1503.7	1316.2	941.1	659.8
117.5°	3048.2	3257.3	3048.2	2839.1	2786.8	2336.8	1736.9	1437.0	1277.5	958.6	719.3
120°	2897.6	3100.7	2897.6	2694.5	2643.7	2232.5	1684.3	1410.3	1264.5	972.8	754.1
122.5°	2751.0	2951.4	2751.0	2550.6	2500.5	2130.3	1636.6	1389.8	1257.7	993.3	795.0
125°	2541.8	2726.4	2541.8	2357.3	2311.1	1996.6	1577.3	1367.6	1252.0	1020.8	847.5
127.5°	2353.8	2509.4	2353.8	2198.0	2159.1	1889.1	1529.0	1349.0	1248.8	1048.5	898.2
130°	2242.8	2386.8	2242.8	2098.9	2063.0	1822.6	1502.1	1341.8	1250.7	1068.5	931.9
132.5°	2142.3	2271.1	2142.3	2013.5	1981.2	1766.0	1479.0	1335.6	1252.0	1084.8	959.4
135°	2004.5	2115.5	2004.5	1893.4	1865.6	1685.4	1445.1	1325.0	1250.9	1102.7	991.5
137.5°	1893.8	1984.8	1893.8	1803.0	1780.2	1627.9	1424.7	1323.2	1258.5	1129.4	1032.4
140°	1818.0	1902.9	1818.0	1733.0	1711.8	1580.2	1404.7	1317.0	1259.9	1145.6	1059.9
142.5°	1755.2	1828.2	1755.2	1682.0	1663.8	1548.2	1394.0	1317.0	1264.4	1159.3	1080.4
145°	1660.9	1716.2	1660.9	1605.6	1591.8	1497.2	1371.1	1308.1	1264.4	1177.1	1111.6
147.5°	1588.5	1634.4	1588.5	1542.7	1531.2	1456.9	1357.7	1308.1	1273.1	1203.2	1150.7
150°	1543.0	1580.2	1543.0	1505.8	1496.5	1433.7	1350.0	1308.1	1277.7	1216.8	1171.1
152.5°	1504.1	1532.1	1504.1	1476.0	1469.0	1415.4	1343.8	1308.1	1280.6	1225.6	1184.4
155°	1459.3	1477.9	1459.3	1440.8	1436.1	1393.5	1336.6	1308.1	1287.1	1245.3	1213.8
157.5°	1424.0	1437.0	1424.0	1410.9	1407.6	1374.4	1330.2	1308.1	1293.6	1264.8	1243.1
160°	1402.8	1410.3	1402.8	1395.4	1393.5	1365.0	1327.0	1308.1	1296.6	1273.7	1256.5
162.5°	1389.0	1396.1	1389.0	1381.9	1380.1	1356.1	1324.0	1308.1	1299.8	1283.1	1270.7
165°	1369.0	1376.5	1369.0	1361.5	1359.6	1342.4	1319.5	1308.1	1304.3	1296.8	1291.1
167.5°	1354.7	1357.9	1354.7	1351.5	1350.7	1339.4	1324.4	1317.0	1313.8	1307.5	1302.7
170°	1350.7	1350.7	1350.7	1350.7	1350.7	1339.4	1324.4	1317.0	1316.8	1316.4	1316.1
172.5°	1340.2	1337.4	1340.2	1343.0	1343.6	1334.7	1322.9	1317.0	1317.0	1317.0	1317.0
175°	1333.9	1333.9	1333.9	1333.9	1333.9	1328.2	1320.7	1317.0	1318.8	1322.3	1325.0
177.5°	1328.2	1325.0	1328.2	1331.3	1332.1	1327.7	1321.7	1318.8	1320.1	1322.9	1325.0
180°	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0



TEST NUMBER: P934730  
 CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2
2.5°	3075.2	3058.0	3058.0	3029.3	3017.8	3009.2	2994.9	2951.9	2940.4	2928.9	2946.1
5°	3101.0	3069.5	3046.5	2994.9	2951.9	2934.7	2880.1	2776.9	2708.0	2656.4	2627.7
7.5°	3106.8	3066.6	3023.6	2943.3	2840.0	2794.1	2627.7	2438.3	2386.7	2340.8	2312.1
10°	3101.0	3055.1	2994.9	2874.4	2630.6	2550.3	2383.8	2260.4	2228.9	2220.3	2228.9
12.5°	3080.9	3037.9	2954.7	2753.9	2412.5	2358.0	2260.4	2188.7	2183.0	2197.3	2274.8
15°	3046.5	3006.4	2908.8	2593.3	2292.0	2251.8	2183.0	2157.2	2188.7	2289.1	2521.5
17.5°	3012.1	2966.2	2845.7	2435.4	2200.2	2171.5	2122.7	2174.4	2352.2	2487.1	2564.6
20°	2966.2	2911.7	2774.0	2320.7	2134.2	2108.4	2085.5	2317.8	2452.6	2501.4	2544.5
22.5°	2911.7	2854.3	2676.5	2240.4	2065.4	2045.3	2059.6	2398.1	2452.6	2487.1	2524.3
25°	2840.0	2791.2	2561.7	2177.3	2010.9	1987.9	2042.4	2389.5	2421.1	2429.7	2504.3
27.5°	2774.0	2710.9	2441.2	2119.9	1944.9	1936.3	2056.8	2352.2	2375.2	2383.8	2464.1
30°	2693.7	2599.0	2306.3	2059.6	1876.1	1873.2	2059.6	2306.3	2300.6	2323.5	2403.9
32.5°	2610.5	2432.6	2154.3	1985.1	1810.1	1807.2	2039.6	2237.5	2231.8	2263.3	2323.5
35°	2533.1	2303.5	1947.8	1899.0	1726.9	1729.8	1990.8	2157.2	2160.0	2188.7	2226.0
37.5°	2452.6	2191.6	1721.1	1804.3	1646.6	1646.6	1924.8	2082.6	2076.9	2085.5	2137.1
40°	2358.0	2016.6	1520.3	1681.0	1572.0	1563.4	1844.5	2002.3	1982.2	1979.3	2051.0
42.5°	2257.6	1824.4	1371.2	1517.5	1485.9	1474.4	1747.0	1904.7	1867.4	1876.1	1967.8
45°	2148.6	1772.8	1256.4	1282.3	1397.0	1388.4	1640.8	1792.9	1767.0	1790.0	1884.7
47.5°	2039.6	1669.5	1219.1	1064.2	1302.3	1299.5	1523.2	1683.9	1669.5	1692.5	1792.9
50°	1890.4	1554.8	1216.3	912.2	1196.2	1207.7	1382.7	1577.7	1577.7	1597.8	1703.9
52.5°	1698.2	1414.2	1104.4	826.2	1072.8	1107.3	1259.3	1485.9	1491.7	1511.7	1606.4
55°	1523.2	1267.9	1024.1	760.2	926.6	1001.1	1138.8	1391.3	1402.7	1422.8	1508.9
57.5°	1362.6	1055.6	1006.9	682.7	791.7	863.4	1032.7	1299.5	1305.2	1322.4	1405.6
60°	1190.5	763.0	923.7	599.5	674.1	728.6	935.2	1190.5	1210.5	1222.0	1293.7
62.5°	995.4	553.6	837.6	542.2	616.7	628.2	854.8	1087.2	1113.0	1121.6	1164.6
65°	708.5	464.7	711.4	493.4	556.5	559.4	768.8	981.1	1004.0	1018.3	1049.9
67.5°	479.1	378.7	542.2	447.5	510.6	513.5	685.6	857.7	889.3	900.7	920.8
70°	332.8	252.4	401.6	398.7	459.0	464.7	596.7	745.8	774.5	783.1	794.6
72.5°	243.8	203.7	332.8	358.6	404.5	410.2	504.9	619.6	648.3	656.9	662.6
75°	186.5	215.1	269.6	312.7	344.2	347.1	413.1	504.9	524.9	530.7	533.6
77.5°	149.2	200.8	197.9	252.4	281.1	275.4	324.1	390.1	407.3	407.3	407.3
80°	111.9	157.8	149.2	180.7	206.5	200.8	232.4	278.3	284.0	289.7	286.9
82.5°	83.2	100.4	100.4	114.7	137.7	132.0	154.9	180.7	180.7	180.7	186.5
85°	51.6	57.4	45.9	60.2	77.5	74.6	86.1	97.5	100.4	100.4	94.7
87.5°	31.6	25.8	14.3	22.9	34.4	34.4	40.2	43.0	40.2	40.2	40.2
90°	23.0	16.0	8.9	16.0	23.0	24.9	39.1	58.1	67.6	60.0	45.0
92.5°	156.5	96.0	35.6	96.0	156.5	171.6	241.2	334.1	380.6	333.5	239.5
95°	306.7	196.0	85.4	196.0	306.7	334.4	593.7	939.6	1112.4	992.7	753.2
97.5°	342.9	245.3	147.6	245.3	342.9	367.3	799.8	1376.3	1664.6	1588.9	1437.5
100°	372.7	284.2	195.6	284.2	372.7	394.8	874.7	1514.5	1834.5	1840.0	1851.1
102.5°	401.7	319.2	236.6	319.2	401.7	422.4	909.1	1558.0	1882.6	1978.9	2171.8
105°	445.8	375.9	305.9	375.9	445.8	463.3	934.6	1563.0	1877.2	2093.4	2525.8
107.5°	507.5	442.2	377.0	442.2	507.5	523.8	939.4	1493.5	1770.5	2072.1	2675.1
110°	542.8	483.9	425.0	483.9	542.8	557.6	932.2	1431.8	1681.6	2018.7	2692.9



TEST NUMBER: P934730

CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	584.4	528.3	472.2	528.3	584.4	598.5	932.6	1378.0	1600.7	1945.7	2635.7
115°	646.9	595.0	543.3	595.0	646.9	659.8	941.1	1316.2	1503.7	1836.1	2500.8
117.5°	707.6	660.6	613.6	660.6	707.6	719.3	958.6	1277.5	1437.0	1736.9	2336.8
120°	743.0	698.8	654.5	698.8	743.0	754.1	972.8	1264.5	1410.3	1684.3	2232.5
122.5°	783.8	739.1	694.5	739.1	783.8	795.0	993.3	1257.7	1389.8	1636.6	2130.3
125°	837.3	796.6	755.9	796.6	837.3	847.5	1020.8	1252.0	1367.6	1577.3	1996.6
127.5°	887.9	846.8	805.7	846.8	887.9	898.2	1048.5	1248.8	1349.0	1529.0	1889.1
130°	920.8	876.6	832.4	876.6	920.8	931.9	1068.5	1250.7	1341.8	1502.1	1822.6
132.5°	948.4	904.2	859.9	904.2	948.4	959.4	1084.8	1252.0	1335.6	1479.0	1766.0
135°	981.4	941.1	900.8	941.1	981.4	991.5	1102.7	1250.9	1325.0	1445.1	1685.4
137.5°	1022.5	982.5	942.6	982.5	1022.5	1032.4	1129.4	1258.5	1323.2	1424.7	1627.9
140°	1050.8	1013.9	977.2	1013.9	1050.8	1059.9	1145.6	1259.9	1317.0	1404.7	1580.2
142.5°	1071.9	1037.9	1003.9	1037.9	1071.9	1080.4	1159.3	1264.4	1317.0	1394.0	1548.2
145°	1104.1	1074.5	1044.8	1074.5	1104.1	1111.6	1177.1	1264.4	1308.1	1371.1	1497.2
147.5°	1143.5	1114.6	1085.8	1114.6	1143.5	1150.7	1203.2	1273.1	1308.1	1357.7	1456.9
150°	1164.6	1138.5	1112.4	1138.5	1164.6	1171.1	1216.8	1277.7	1308.1	1350.0	1433.7
152.5°	1179.5	1159.8	1140.0	1159.8	1179.5	1184.4	1225.6	1280.6	1308.1	1343.8	1415.4
155°	1210.2	1195.5	1180.9	1195.5	1210.2	1213.8	1245.3	1287.1	1308.1	1336.6	1393.5
157.5°	1239.6	1225.4	1211.1	1225.4	1239.6	1243.1	1264.8	1293.6	1308.1	1330.2	1374.4
160°	1253.8	1242.7	1231.6	1242.7	1253.8	1256.5	1273.7	1296.6	1308.1	1327.0	1365.0
162.5°	1268.6	1260.4	1252.0	1260.4	1268.6	1270.7	1283.1	1299.8	1308.1	1324.0	1356.1
165°	1289.2	1281.8	1274.3	1281.8	1289.2	1291.1	1296.8	1304.3	1308.1	1319.5	1342.4
167.5°	1301.9	1298.2	1294.7	1298.2	1301.9	1302.7	1307.5	1313.8	1317.0	1324.4	1339.4
170°	1315.2	1311.6	1308.1	1311.6	1315.2	1316.1	1316.4	1316.8	1317.0	1324.4	1339.4
172.5°	1316.8	1315.9	1315.1	1315.9	1316.8	1317.0	1317.0	1317.0	1317.0	1322.9	1334.7
175°	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1322.3	1318.8	1317.0	1320.7	1328.2
177.5°	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1322.9	1320.1	1318.8	1321.7	1327.7
180°	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0



TEST NUMBER: P934730

CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2
2.5°	2926.0	2917.4	2928.9	2897.4	2928.9	2917.4	2926.0	2946.1	2928.9	2940.4	2951.9
5°	2567.5	2553.1	2507.1	2469.8	2507.1	2553.1	2567.5	2627.7	2656.4	2708.0	2776.9
7.5°	2294.9	2283.4	2271.9	2249.0	2271.9	2283.4	2294.9	2312.1	2340.8	2386.7	2438.3
10°	2234.6	2237.5	2254.7	2251.8	2254.7	2237.5	2234.6	2228.9	2220.3	2228.9	2260.4
12.5°	2389.5	2415.3	2510.0	2504.3	2510.0	2415.3	2389.5	2274.8	2197.3	2183.0	2188.7
15°	2567.5	2576.1	2596.2	2599.0	2596.2	2576.1	2567.5	2521.5	2289.1	2188.7	2157.2
17.5°	2584.7	2587.6	2601.9	2601.9	2601.9	2587.6	2584.7	2564.6	2487.1	2352.2	2174.4
20°	2570.3	2576.1	2604.8	2610.5	2604.8	2576.1	2570.3	2544.5	2501.4	2452.6	2317.8
22.5°	2564.6	2576.1	2599.0	2596.2	2599.0	2576.1	2564.6	2524.3	2487.1	2452.6	2398.1
25°	2535.9	2535.9	2538.8	2541.7	2538.8	2535.9	2535.9	2504.3	2429.7	2421.1	2389.5
27.5°	2475.6	2481.3	2498.5	2495.7	2498.5	2481.3	2475.6	2464.1	2383.8	2375.2	2352.2
30°	2421.1	2415.3	2401.0	2389.5	2401.0	2415.3	2421.1	2403.9	2323.5	2300.6	2306.3
32.5°	2329.3	2314.9	2300.6	2292.0	2300.6	2314.9	2329.3	2323.5	2263.3	2231.8	2237.5
35°	2220.3	2223.1	2220.3	2211.7	2220.3	2223.1	2220.3	2226.0	2188.7	2160.0	2157.2
37.5°	2142.8	2148.6	2145.7	2134.2	2145.7	2148.6	2142.8	2137.1	2085.5	2076.9	2082.6
40°	2062.5	2065.4	2062.5	2053.9	2062.5	2065.4	2062.5	2051.0	1979.3	1982.2	2002.3
42.5°	1985.1	1982.2	1973.6	1967.8	1973.6	1982.2	1985.1	1967.8	1876.1	1867.4	1904.7
45°	1896.1	1899.0	1881.8	1873.2	1881.8	1899.0	1896.1	1884.7	1790.0	1767.0	1792.9
47.5°	1807.2	1807.2	1792.9	1784.3	1792.9	1807.2	1807.2	1792.9	1692.5	1669.5	1683.9
50°	1712.5	1709.7	1689.6	1686.7	1689.6	1709.7	1712.5	1703.9	1597.8	1577.7	1577.7
52.5°	1603.5	1603.5	1606.4	1612.1	1606.4	1603.5	1603.5	1606.4	1511.7	1491.7	1485.9
55°	1508.9	1511.7	1531.8	1537.6	1531.8	1511.7	1508.9	1508.9	1422.8	1402.7	1391.3
57.5°	1411.3	1411.3	1425.7	1425.7	1425.7	1411.3	1411.3	1405.6	1322.4	1305.2	1299.5
60°	1299.5	1305.2	1316.7	1313.8	1316.7	1305.2	1299.5	1293.7	1222.0	1210.5	1190.5
62.5°	1181.9	1187.6	1190.5	1184.7	1190.5	1187.6	1181.9	1164.6	1121.6	1113.0	1087.2
65°	1058.5	1064.2	1067.1	1061.4	1067.1	1064.2	1058.5	1049.9	1018.3	1004.0	981.1
67.5°	932.3	929.4	926.6	938.0	926.6	929.4	932.3	920.8	900.7	889.3	857.7
70°	803.2	803.2	800.3	806.1	800.3	803.2	803.2	794.6	783.1	774.5	745.8
72.5°	665.5	662.6	674.1	665.5	674.1	662.6	665.5	662.6	656.9	648.3	619.6
75°	530.7	536.4	530.7	539.3	530.7	536.4	530.7	533.6	530.7	524.9	504.9
77.5°	404.5	410.2	404.5	404.5	404.5	410.2	404.5	407.3	407.3	407.3	390.1
80°	286.9	284.0	284.0	281.1	284.0	284.0	286.9	286.9	289.7	284.0	278.3
82.5°	183.6	180.7	180.7	186.5	180.7	180.7	183.6	186.5	180.7	180.7	180.7
85°	100.4	103.3	97.5	97.5	97.5	103.3	100.4	94.7	100.4	100.4	97.5
87.5°	37.3	34.4	34.4	34.4	34.4	34.4	37.3	40.2	40.2	40.2	43.0
90°	33.8	33.8	33.8	33.8	33.8	33.8	33.8	45.0	60.0	67.6	58.1
92.5°	169.0	162.3	135.4	108.5	135.4	162.3	169.0	239.5	333.5	380.6	334.1
95°	573.5	553.2	471.8	390.4	471.8	553.2	573.5	753.2	992.7	1112.4	939.6
97.5°	1324.0	1285.3	1130.4	975.5	1130.4	1285.3	1324.0	1437.5	1588.9	1664.6	1376.3
100°	1859.4	1813.2	1628.7	1444.1	1628.7	1813.2	1859.4	1851.1	1840.0	1834.5	1514.5
102.5°	2316.5	2277.0	2118.8	1960.8	2118.8	2277.0	2316.5	2171.8	1978.9	1882.6	1558.0
105°	2850.0	2828.8	2743.8	2658.8	2743.8	2828.8	2850.0	2525.8	2093.4	1877.2	1563.0
107.5°	3127.4	3132.6	3153.1	3173.7	3153.1	3132.6	3127.4	2675.1	2072.1	1770.5	1493.5
110°	3198.6	3220.6	3309.2	3397.7	3309.2	3220.6	3198.6	2692.9	2018.7	1681.6	1431.8



TEST NUMBER: P934730

CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3153.2	3187.2	3323.2	3459.1	3323.2	3187.2	3153.2	2635.7	1945.7	1600.7	1378.0
115°	2999.4	3046.5	3235.0	3423.6	3235.0	3046.5	2999.4	2500.8	1836.1	1503.7	1316.2
117.5°	2786.8	2839.1	3048.2	3257.3	3048.2	2839.1	2786.8	2336.8	1736.9	1437.0	1277.5
120°	2643.7	2694.5	2897.6	3100.7	2897.6	2694.5	2643.7	2232.5	1684.3	1410.3	1264.5
122.5°	2500.5	2550.6	2751.0	2951.4	2751.0	2550.6	2500.5	2130.3	1636.6	1389.8	1257.7
125°	2311.1	2357.3	2541.8	2726.4	2541.8	2357.3	2311.1	1996.6	1577.3	1367.6	1252.0
127.5°	2159.1	2198.0	2353.8	2509.4	2353.8	2198.0	2159.1	1889.1	1529.0	1349.0	1248.8
130°	2063.0	2098.9	2242.8	2386.8	2242.8	2098.9	2063.0	1822.6	1502.1	1341.8	1250.7
132.5°	1981.2	2013.5	2142.3	2271.1	2142.3	2013.5	1981.2	1766.0	1479.0	1335.6	1252.0
135°	1865.6	1893.4	2004.5	2115.5	2004.5	1893.4	1865.6	1685.4	1445.1	1325.0	1250.9
137.5°	1780.2	1803.0	1893.8	1984.8	1893.8	1803.0	1780.2	1627.9	1424.7	1323.2	1258.5
140°	1711.8	1733.0	1818.0	1902.9	1818.0	1733.0	1711.8	1580.2	1404.7	1317.0	1259.9
142.5°	1663.8	1682.0	1755.2	1828.2	1755.2	1682.0	1663.8	1548.2	1394.0	1317.0	1264.4
145°	1591.8	1605.6	1660.9	1716.2	1660.9	1605.6	1591.8	1497.2	1371.1	1308.1	1264.4
147.5°	1531.2	1542.7	1588.5	1634.4	1588.5	1542.7	1531.2	1456.9	1357.7	1308.1	1273.1
150°	1496.5	1505.8	1543.0	1580.2	1543.0	1505.8	1496.5	1433.7	1350.0	1308.1	1277.7
152.5°	1469.0	1476.0	1504.1	1532.1	1504.1	1476.0	1469.0	1415.4	1343.8	1308.1	1280.6
155°	1436.1	1440.8	1459.3	1477.9	1459.3	1440.8	1436.1	1393.5	1336.6	1308.1	1287.1
157.5°	1407.6	1410.9	1424.0	1437.0	1424.0	1410.9	1407.6	1374.4	1330.2	1308.1	1293.6
160°	1393.5	1395.4	1402.8	1410.3	1402.8	1395.4	1393.5	1365.0	1327.0	1308.1	1296.6
162.5°	1380.1	1381.9	1389.0	1396.1	1389.0	1381.9	1380.1	1356.1	1324.0	1308.1	1299.8
165°	1359.6	1361.5	1369.0	1376.5	1369.0	1361.5	1359.6	1342.4	1319.5	1308.1	1304.3
167.5°	1350.7	1351.5	1354.7	1357.9	1354.7	1351.5	1350.7	1339.4	1324.4	1317.0	1313.8
170°	1350.7	1350.7	1350.7	1350.7	1350.7	1350.7	1350.7	1339.4	1324.4	1317.0	1316.8
172.5°	1343.6	1343.0	1340.2	1337.4	1340.2	1343.0	1343.6	1334.7	1322.9	1317.0	1317.0
175°	1333.9	1333.9	1333.9	1333.9	1333.9	1333.9	1333.9	1328.2	1320.7	1317.0	1318.8
177.5°	1332.1	1331.3	1328.2	1325.0	1328.2	1331.3	1332.1	1327.7	1321.7	1318.8	1320.1
180°	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0



TEST NUMBER: P934730

CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	3032.2	3032.2	3032.2	3032.2	3032.2
2.5°	2994.9	3009.2	3017.8	3029.3	3058.0
5°	2880.1	2934.7	2951.9	2994.9	3046.5
7.5°	2627.7	2794.1	2840.0	2943.3	3023.6
10°	2383.8	2550.3	2630.6	2874.4	2994.9
12.5°	2260.4	2358.0	2412.5	2753.9	2954.7
15°	2183.0	2251.8	2292.0	2593.3	2908.8
17.5°	2122.7	2171.5	2200.2	2435.4	2845.7
20°	2085.5	2108.4	2134.2	2320.7	2774.0
22.5°	2059.6	2045.3	2065.4	2240.4	2676.5
25°	2042.4	1987.9	2010.9	2177.3	2561.7
27.5°	2056.8	1936.3	1944.9	2119.9	2441.2
30°	2059.6	1873.2	1876.1	2059.6	2306.3
32.5°	2039.6	1807.2	1810.1	1985.1	2154.3
35°	1990.8	1729.8	1726.9	1899.0	1947.8
37.5°	1924.8	1646.6	1646.6	1804.3	1721.1
40°	1844.5	1563.4	1572.0	1681.0	1520.3
42.5°	1747.0	1474.4	1485.9	1517.5	1371.2
45°	1640.8	1388.4	1397.0	1282.3	1256.4
47.5°	1523.2	1299.5	1302.3	1064.2	1219.1
50°	1382.7	1207.7	1196.2	912.2	1216.3
52.5°	1259.3	1107.3	1072.8	826.2	1104.4
55°	1138.8	1001.1	926.6	760.2	1024.1
57.5°	1032.7	863.4	791.7	682.7	1006.9
60°	935.2	728.6	674.1	599.5	923.7
62.5°	854.8	628.2	616.7	542.2	837.6
65°	768.8	559.4	556.5	493.4	711.4
67.5°	685.6	513.5	510.6	447.5	542.2
70°	596.7	464.7	459.0	398.7	401.6
72.5°	504.9	410.2	404.5	358.6	332.8
75°	413.1	347.1	344.2	312.7	269.6
77.5°	324.1	275.4	281.1	252.4	197.9
80°	232.4	200.8	206.5	180.7	149.2
82.5°	154.9	132.0	137.7	114.7	100.4
85°	86.1	74.6	77.5	60.2	45.9
87.5°	40.2	34.4	34.4	22.9	14.3
90°	39.1	24.9	23.0	16.0	8.9
92.5°	241.2	171.6	156.5	96.0	35.6
95°	593.7	334.4	306.7	196.0	85.4
97.5°	799.8	367.3	342.9	245.3	147.6
100°	874.7	394.8	372.7	284.2	195.6
102.5°	909.1	422.4	401.7	319.2	236.6
105°	934.6	463.3	445.8	375.9	305.9
107.5°	939.4	523.8	507.5	442.2	377.0
110°	932.2	557.6	542.8	483.9	425.0



TEST NUMBER: P934730

CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	932.6	598.5	584.4	528.3	472.2
115°	941.1	659.8	646.9	595.0	543.3
117.5°	958.6	719.3	707.6	660.6	613.6
120°	972.8	754.1	743.0	698.8	654.5
122.5°	993.3	795.0	783.8	739.1	694.5
125°	1020.8	847.5	837.3	796.6	755.9
127.5°	1048.5	898.2	887.9	846.8	805.7
130°	1068.5	931.9	920.8	876.6	832.4
132.5°	1084.8	959.4	948.4	904.2	859.9
135°	1102.7	991.5	981.4	941.1	900.8
137.5°	1129.4	1032.4	1022.5	982.5	942.6
140°	1145.6	1059.9	1050.8	1013.9	977.2
142.5°	1159.3	1080.4	1071.9	1037.9	1003.9
145°	1177.1	1111.6	1104.1	1074.5	1044.8
147.5°	1203.2	1150.7	1143.5	1114.6	1085.8
150°	1216.8	1171.1	1164.6	1138.5	1112.4
152.5°	1225.6	1184.4	1179.5	1159.8	1140.0
155°	1245.3	1213.8	1210.2	1195.5	1180.9
157.5°	1264.8	1243.1	1239.6	1225.4	1211.1
160°	1273.7	1256.5	1253.8	1242.7	1231.6
162.5°	1283.1	1270.7	1268.6	1260.4	1252.0
165°	1296.8	1291.1	1289.2	1281.8	1274.3
167.5°	1307.5	1302.7	1301.9	1298.2	1294.7
170°	1316.4	1316.1	1315.2	1311.6	1308.1
172.5°	1317.0	1317.0	1316.8	1315.9	1315.1
175°	1322.3	1325.0	1325.0	1325.0	1325.0
177.5°	1322.9	1325.0	1325.0	1325.0	1325.0
180°	1325.0	1325.0	1325.0	1325.0	1325.0



TEST NUMBER: P934730  
 CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-12-6500K

**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	12.38	13.22	13.36	14.21	15.52	15.23	16.08	16.21	17.06	18.37
	3H	12.86	13.61	13.84	14.61	15.93	16.58	17.34	17.57	18.34	19.66
	4H	13.05	13.76	14.05	14.76	16.10	17.03	17.75	18.03	18.75	20.08
	6H	13.17	13.82	14.18	14.83	16.17	17.32	17.98	18.33	18.99	20.33
	8H	13.17	13.79	14.18	14.82	16.16	17.40	18.02	18.41	19.05	20.39
	12H	13.14	13.73	14.16	14.75	16.11	17.44	18.03	18.46	19.05	20.42
4H	2H	13.42	14.13	14.42	15.13	16.47	15.64	16.35	16.65	17.36	18.69
	3H	14.44	15.04	15.46	16.07	17.41	17.15	17.74	18.17	18.78	20.12
	4H	14.72	15.26	15.74	16.29	17.65	17.68	18.23	18.70	19.25	20.62
	6H	14.84	15.31	15.88	16.36	17.72	18.05	18.52	19.09	19.57	20.93
	8H	14.85	15.28	15.88	16.32	17.70	18.16	18.60	19.20	19.64	21.02
	12H	14.81	15.21	15.87	16.26	17.65	18.22	18.62	19.27	19.67	21.05
8H	4H	15.17	15.61	16.21	16.65	18.03	17.80	18.24	18.84	19.28	20.66
	6H	15.43	15.80	16.49	16.88	18.25	18.25	18.61	19.30	19.69	21.07
	8H	15.48	15.79	16.54	16.86	18.26	18.40	18.72	19.47	19.78	21.18
	12H	15.46	15.74	16.53	16.80	18.24	18.50	18.78	19.57	19.84	21.28
12H	4H	15.18	15.57	16.23	16.63	18.01	17.77	18.16	18.82	19.22	20.60
	6H	15.50	15.81	16.56	16.88	18.28	18.24	18.56	19.31	19.63	21.02
	8H	15.56	15.84	16.63	16.90	18.34	18.41	18.69	19.48	19.75	21.18