

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: P934780

Luminaire Tested: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934780
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-B2750-1D-UNV-STD-W-12-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

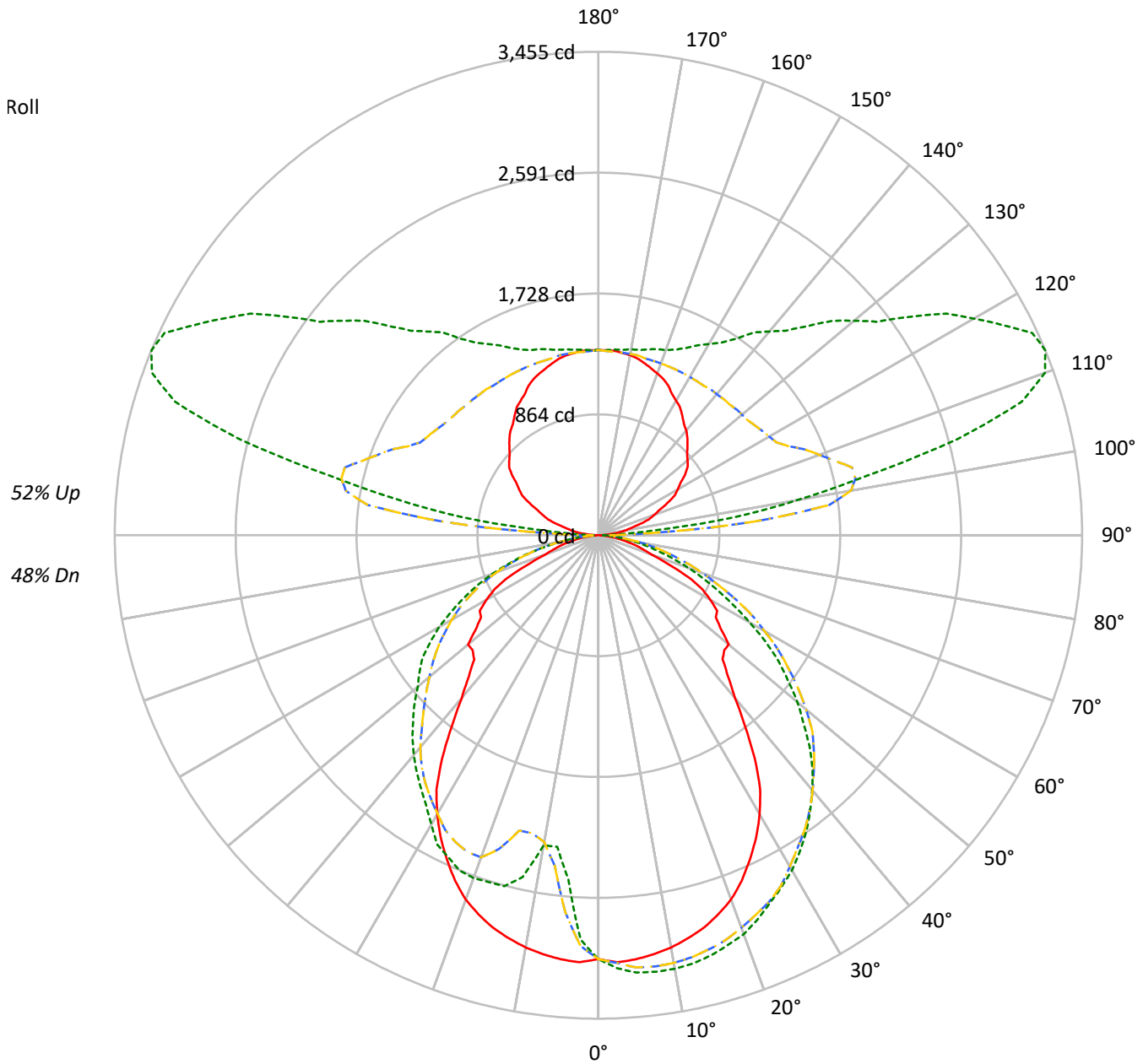
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16435.4 lumens
Efficiency: N/A
Efficacy: 129.2 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°	9367	9367	9367	9367
5°	9440	9456	9440	7435
10°	9381	9314	9381	6659
15°	9282	9112	9282	7609
20°	9092	8873	9092	7625
25°	8698	8525	8698	7463
30°	8188	8235	8188	7108
35°	7303	7869	7303	6719
40°	6088	7438	6088	6424
45°	5444	6933	5444	6085
50°	5788	6332	5788	5745
55°	5451	5683	5451	5548
60°	5626	4827	5626	5082
65°	5109	3990	5109	4460
70°	3546	3180	3546	3739
75°	3121	2351	3121	2815
80°	2534	1554	2534	1692
85°	1484	823	1484	700

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8338 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.4	1.7
10°-20°	776.2	4.7
20°-30°	1199.8	7.3
30°-40°	1432.3	8.7
40°-50°	1440.7	8.8
50°-60°	1253.5	7.6
60°-70°	888.8	5.4
70°-80°	470.2	2.9
80°-90°	122.2	0.7
90°-100°	645.1	3.9
100°-110°	1695.9	10.3
110°-120°	1758.4	10.7
120°-130°	1410.5	8.6
130°-140°	1106.7	6.7
140°-150°	849.4	5.2
150°-160°	611.7	3.7
160°-170°	374.3	2.3
170°-180°	126.5	0.8
0°-30°	2249.3	13.7
0°-40°	3681.6	22.4
0°-60°	6375.8	38.8
0°-90°	7857.0	47.8
90°-120°	4099.3	24.9
90°-150°	7466.0	45.4
90°-180°	8578.0	52.2
0°-180°	16435.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3028	3028	3028	3028	3028	
5°	3043	3137	3043	2467	3043	289
15°	2905	3109	2905	2596	2905	817
25°	2558	2900	2558	2538	2558	1175
35°	1945	2587	1945	2209	1945	1204
45°	1255	2132	1255	1871	1255	1005
55°	1023	1573	1023	1536	1023	940
65°	710	948	710	1060	710	679
75°	269	450	269	539	269	283
85°	46	115	46	97	46	62
90°	9	34	9	34	9	9
95°	85	390	85	390	85	95
105°	306	2656	306	2656	306	324
115°	543	3419	543	3419	543	536
125°	755	2723	755	2723	755	670
135°	900	2113	900	2113	900	696
145°	1044	1714	1044	1714	1044	654
155°	1179	1476	1179	1476	1179	542
165°	1273	1375	1273	1375	1273	359
175°	1323	1332	1323	1332	1323	126
180°	1323	1323	1323	1323	1323	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4
2.5°	3054.2	3054.2	3071.4	3077.1	3077.1	3068.5	3059.9	3068.5	3094.3	3102.9	3100.0
5°	3042.7	3065.6	3097.2	3102.9	3108.6	3105.8	3100.0	3105.8	3134.4	3140.1	3143.0
7.5°	3019.8	3062.8	3102.9	3111.5	3120.1	3111.5	3108.6	3114.4	3143.0	3148.7	3148.7
10°	2991.2	3051.3	3097.2	3102.9	3111.5	3102.9	3102.9	3114.4	3143.0	3148.7	3151.6
12.5°	2951.0	3034.1	3077.1	3082.8	3094.3	3091.4	3088.6	3100.0	3128.7	3134.4	3134.4
15°	2905.2	3002.6	3042.7	3048.5	3068.5	3062.8	3062.8	3074.2	3105.8	3114.4	3111.5
17.5°	2842.2	2962.5	3008.3	3016.9	3031.3	3028.4	3031.3	3042.7	3071.4	3077.1	3080.0
20°	2770.6	2908.1	2962.5	2971.1	2985.4	2985.4	2985.4	2999.8	3028.4	3039.9	3039.9
22.5°	2673.1	2850.8	2908.1	2913.8	2931.0	2931.0	2936.7	2956.8	2982.6	2985.4	2985.4
25°	2558.5	2787.7	2836.4	2853.6	2870.8	2879.4	2888.0	2899.5	2908.1	2905.2	2908.1
27.5°	2438.1	2707.5	2770.6	2782.0	2804.9	2813.5	2825.0	2827.9	2830.7	2839.3	2833.6
30°	2303.5	2595.8	2690.3	2701.8	2739.0	2744.8	2733.3	2739.0	2753.4	2759.1	2764.8
32.5°	2151.6	2429.5	2607.2	2633.0	2667.4	2650.2	2647.4	2656.0	2678.9	2678.9	2684.6
35°	1945.3	2300.6	2529.9	2552.8	2578.6	2558.5	2570.0	2572.9	2587.2	2595.8	2592.9
37.5°	1719.0	2188.9	2449.6	2466.8	2486.8	2461.0	2478.2	2486.8	2498.3	2492.5	2492.5
40°	1518.4	2014.1	2355.0	2366.5	2383.7	2363.6	2380.8	2386.5	2392.3	2386.5	2383.7
42.5°	1369.5	1822.1	2254.8	2269.1	2257.6	2271.9	2277.7	2289.1	2280.5	2269.1	2269.1
45°	1254.9	1770.6	2145.9	2163.1	2145.9	2168.8	2177.4	2177.4	2151.6	2145.9	2143.0
47.5°	1217.6	1667.4	2037.0	2037.0	2028.4	2057.1	2071.4	2051.3	2025.6	2017.0	2017.0
50°	1214.8	1552.8	1888.0	1876.6	1916.7	1951.1	1936.7	1916.7	1896.6	1865.1	1865.1
52.5°	1103.0	1412.4	1696.1	1739.1	1802.1	1822.1	1799.2	1779.2	1744.8	1730.5	1719.0
55°	1022.8	1266.3	1521.3	1607.3	1673.2	1698.9	1656.0	1635.9	1584.3	1575.8	1570.0
57.5°	1005.6	1054.3	1360.9	1469.7	1550.0	1547.1	1521.3	1484.1	1441.1	1432.5	1429.6
60°	922.5	762.1	1189.0	1317.9	1401.0	1392.4	1369.5	1335.1	1295.0	1289.2	1283.5
62.5°	836.6	552.9	994.2	1140.3	1257.7	1254.9	1234.8	1183.2	1154.6	1140.3	1128.8
65°	710.5	464.1	707.7	948.3	1117.4	1123.1	1080.1	1042.9	1011.3	994.2	991.3
67.5°	541.5	378.2	478.5	790.7	982.7	977.0	922.5	905.3	865.2	856.6	839.4
70°	401.1	252.1	332.3	641.8	850.9	836.6	793.6	773.6	736.3	716.2	704.8
72.5°	332.3	203.4	243.5	498.5	716.2	699.1	661.8	638.9	607.4	590.2	578.7
75°	269.3	214.9	186.2	369.6	581.6	570.1	535.8	512.8	487.0	464.1	467.0
77.5°	197.7	200.5	149.0	272.2	461.3	444.1	424.0	395.4	383.9	361.0	361.0
80°	149.0	157.6	111.7	186.2	332.3	332.3	315.2	295.1	275.0	263.6	263.6
82.5°	100.3	100.3	83.1	117.5	226.3	217.7	206.3	200.5	189.1	183.4	183.4
85°	45.8	57.3	51.6	71.6	123.2	128.9	128.9	123.2	120.3	114.6	117.5
87.5°	14.3	25.8	31.5	40.1	63.0	65.9	68.8	68.8	68.8	71.6	71.6
90°	8.9	15.9	23.0	24.8	39.1	58.1	67.5	60.0	45.0	33.7	33.7
92.5°	35.5	95.9	156.3	171.4	240.9	333.7	380.1	333.1	239.2	168.7	162.1
95°	85.3	195.8	306.4	334.0	593.0	938.4	1111.0	991.5	752.3	572.8	552.5
97.5°	147.5	245.0	342.5	366.8	798.8	1374.6	1662.6	1586.9	1435.7	1322.4	1283.7
100°	195.4	283.8	372.3	394.3	873.6	1512.6	1832.2	1837.7	1848.8	1857.1	1811.0
102.5°	236.3	318.8	401.2	421.8	907.9	1556.1	1880.2	1976.5	2169.1	2313.6	2274.1
105°	305.5	375.4	445.2	462.7	933.4	1561.0	1874.9	2090.8	2522.6	2846.5	2825.3
107.5°	376.6	441.7	506.8	523.1	938.2	1491.6	1768.3	2069.5	2671.8	3123.5	3128.7
110°	424.5	483.3	542.2	556.9	931.0	1430.0	1679.5	2016.2	2689.6	3194.6	3216.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	471.6	527.6	583.7	597.7	931.4	1376.3	1598.7	1943.2	2632.5	3149.3	3183.2
115°	542.6	594.3	646.1	658.9	939.9	1314.6	1501.8	1833.8	2497.7	2995.6	3042.7
117.5°	612.8	659.8	706.7	718.4	957.4	1275.9	1435.2	1734.8	2333.9	2783.3	2835.6
120°	653.7	697.9	742.0	753.1	971.6	1262.9	1408.5	1682.2	2229.7	2640.4	2691.1
122.5°	693.6	738.2	782.8	794.0	992.1	1256.1	1388.1	1634.6	2127.6	2497.4	2547.5
125°	754.9	795.6	836.3	846.4	1019.6	1250.5	1365.9	1575.4	1994.1	2308.2	2354.4
127.5°	804.7	845.7	886.8	897.0	1047.2	1247.2	1347.3	1527.1	1886.7	2156.4	2195.3
130°	831.3	875.5	919.7	930.7	1067.2	1249.1	1340.2	1500.2	1820.3	2060.4	2096.3
132.5°	858.8	903.0	947.2	958.2	1083.4	1250.5	1333.9	1477.2	1763.8	1978.8	2010.9
135°	899.7	939.9	980.2	990.2	1101.3	1249.3	1323.3	1443.3	1683.3	1863.3	1891.0
137.5°	941.4	981.3	1021.2	1031.1	1128.0	1257.0	1321.5	1423.0	1625.9	1778.0	1800.7
140°	976.0	1012.7	1049.4	1058.6	1144.2	1258.3	1315.3	1403.0	1578.2	1709.6	1730.8
142.5°	1002.7	1036.7	1070.6	1079.1	1157.8	1262.8	1315.3	1392.3	1546.2	1661.7	1679.9
145°	1043.5	1073.1	1102.7	1110.2	1175.6	1262.8	1306.4	1369.4	1495.3	1589.8	1603.6
147.5°	1084.4	1113.2	1142.1	1149.2	1201.7	1271.5	1306.4	1356.0	1455.0	1529.3	1540.8
150°	1111.0	1137.1	1163.2	1169.7	1215.2	1276.1	1306.4	1348.3	1431.9	1494.7	1503.9
152.5°	1138.6	1158.3	1178.0	1183.0	1224.1	1279.0	1306.4	1342.2	1413.6	1467.2	1474.1
155°	1179.4	1194.0	1208.6	1212.3	1243.7	1285.5	1306.4	1334.9	1391.7	1434.3	1439.0
157.5°	1209.6	1223.8	1238.1	1241.6	1263.2	1292.0	1306.4	1328.5	1372.7	1405.9	1409.1
160°	1230.0	1241.1	1252.2	1255.0	1272.2	1295.0	1306.4	1325.3	1363.3	1391.7	1393.6
162.5°	1250.5	1258.8	1267.0	1269.1	1281.5	1298.1	1306.4	1322.4	1354.4	1378.4	1380.2
165°	1272.7	1280.2	1287.6	1289.5	1295.2	1302.7	1306.4	1317.9	1340.7	1357.9	1359.8
167.5°	1293.1	1296.6	1300.2	1301.1	1305.9	1312.2	1315.3	1322.8	1337.8	1349.0	1349.8
170°	1306.4	1310.0	1313.6	1314.5	1314.7	1315.1	1315.3	1322.8	1337.8	1349.0	1349.0
172.5°	1313.5	1314.3	1315.1	1315.3	1315.3	1315.3	1315.3	1321.2	1333.1	1342.0	1341.3
175°	1323.3	1323.3	1323.3	1323.3	1320.7	1317.1	1315.3	1319.0	1326.6	1332.2	1332.2
177.5°	1323.3	1323.3	1323.3	1323.3	1321.2	1318.5	1317.1	1320.1	1326.0	1330.4	1329.6
180°	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4
2.5°	3105.8	3097.2	3105.8	3100.0	3102.9	3094.3	3068.5	3059.9	3068.5	3077.1	3077.1
5°	3143.0	3137.3	3143.0	3143.0	3140.1	3134.4	3105.8	3100.0	3105.8	3108.6	3102.9
7.5°	3154.5	3145.9	3154.5	3148.7	3148.7	3143.0	3114.4	3108.6	3111.5	3120.1	3111.5
10°	3154.5	3145.9	3154.5	3151.6	3148.7	3143.0	3114.4	3102.9	3102.9	3111.5	3102.9
12.5°	3140.1	3134.4	3140.1	3134.4	3134.4	3128.7	3100.0	3088.6	3091.4	3094.3	3082.8
15°	3117.2	3108.6	3117.2	3111.5	3114.4	3105.8	3074.2	3062.8	3062.8	3068.5	3048.5
17.5°	3082.8	3071.4	3082.8	3080.0	3077.1	3071.4	3042.7	3031.3	3028.4	3031.3	3016.9
20°	3042.7	3034.1	3042.7	3039.9	3039.9	3028.4	2999.8	2985.4	2985.4	2985.4	2971.1
22.5°	2979.7	2971.1	2979.7	2985.4	2985.4	2982.6	2956.8	2936.7	2931.0	2931.0	2913.8
25°	2908.1	2899.5	2908.1	2908.1	2905.2	2908.1	2899.5	2888.0	2879.4	2870.8	2853.6
27.5°	2839.3	2833.6	2839.3	2833.6	2839.3	2830.7	2827.9	2825.0	2813.5	2804.9	2782.0
30°	2770.6	2764.8	2770.6	2764.8	2759.1	2753.4	2739.0	2733.3	2744.8	2739.0	2701.8
32.5°	2684.6	2678.9	2684.6	2684.6	2678.9	2678.9	2656.0	2647.4	2650.2	2667.4	2633.0
35°	2595.8	2587.2	2595.8	2592.9	2595.8	2587.2	2572.9	2570.0	2558.5	2578.6	2552.8
37.5°	2492.5	2484.0	2492.5	2492.5	2492.5	2498.3	2486.8	2478.2	2461.0	2486.8	2466.8
40°	2386.5	2375.1	2386.5	2383.7	2386.5	2392.3	2386.5	2380.8	2363.6	2383.7	2366.5
42.5°	2266.2	2263.4	2266.2	2269.1	2269.1	2280.5	2289.1	2277.7	2271.9	2257.6	2269.1
45°	2137.3	2131.6	2137.3	2143.0	2145.9	2151.6	2177.4	2177.4	2168.8	2145.9	2163.1
47.5°	1999.8	1985.4	1999.8	2017.0	2017.0	2025.6	2051.3	2071.4	2057.1	2028.4	2037.0
50°	1853.7	1856.5	1853.7	1865.1	1865.1	1896.6	1916.7	1936.7	1951.1	1916.7	1876.6
52.5°	1710.4	1707.5	1710.4	1719.0	1730.5	1744.8	1779.2	1799.2	1822.1	1802.1	1739.1
55°	1567.2	1572.9	1567.2	1570.0	1575.8	1584.3	1635.9	1656.0	1698.9	1673.2	1607.3
57.5°	1423.9	1415.3	1423.9	1429.6	1432.5	1441.1	1484.1	1521.3	1547.1	1550.0	1469.7
60°	1257.7	1246.3	1257.7	1283.5	1289.2	1295.0	1335.1	1369.5	1392.4	1401.0	1317.9
62.5°	1111.6	1091.6	1111.6	1128.8	1140.3	1154.6	1183.2	1234.8	1254.9	1257.7	1140.3
65°	956.9	948.3	956.9	991.3	994.2	1011.3	1042.9	1080.1	1123.1	1117.4	948.3
67.5°	816.5	816.5	816.5	839.4	856.6	865.2	905.3	922.5	977.0	982.7	790.7
70°	687.6	684.7	687.6	704.8	716.2	736.3	773.6	793.6	836.6	850.9	641.8
72.5°	564.4	561.5	564.4	578.7	590.2	607.4	638.9	661.8	699.1	716.2	498.5
75°	455.5	449.8	455.5	467.0	464.1	487.0	512.8	535.8	570.1	581.6	369.6
77.5°	349.5	349.5	349.5	361.0	361.0	383.9	395.4	424.0	444.1	461.3	272.2
80°	260.7	257.8	260.7	263.6	263.6	275.0	295.1	315.2	332.3	332.3	186.2
82.5°	183.4	177.6	183.4	183.4	183.4	189.1	200.5	206.3	217.7	226.3	117.5
85°	114.6	114.6	114.6	117.5	114.6	120.3	123.2	128.9	128.9	123.2	71.6
87.5°	74.5	71.6	74.5	71.6	71.6	68.8	68.8	68.8	65.9	63.0	40.1
90°	33.7	33.7	33.7	33.7	33.7	45.0	60.0	67.5	58.1	39.1	24.8
92.5°	135.2	108.4	135.2	162.1	168.7	239.2	333.1	380.1	333.7	240.9	171.4
95°	471.2	389.9	471.2	552.5	572.8	752.3	991.5	1111.0	938.4	593.0	334.0
97.5°	1129.0	974.3	1129.0	1283.7	1322.4	1435.7	1586.9	1662.6	1374.6	798.8	366.8
100°	1626.7	1442.3	1626.7	1811.0	1857.1	1848.8	1837.7	1832.2	1512.6	873.6	394.3
102.5°	2116.2	1958.3	2116.2	2274.1	2313.6	2169.1	1976.5	1880.2	1556.1	907.9	421.8
105°	2740.4	2655.5	2740.4	2825.3	2846.5	2522.6	2090.8	1874.9	1561.0	933.4	462.7
107.5°	3149.2	3169.7	3149.2	3128.7	3123.5	2671.8	2069.5	1768.3	1491.6	938.2	523.1
110°	3305.1	3393.5	3305.1	3216.6	3194.6	2689.6	2016.2	1679.5	1430.0	931.0	556.9



TEST NUMBER: P934780

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3319.0	3454.8	3319.0	3183.2	3149.3	2632.5	1943.2	1598.7	1376.3	931.4	597.7
115°	3231.0	3419.3	3231.0	3042.7	2995.6	2497.7	1833.8	1501.8	1314.6	939.9	658.9
117.5°	3044.3	3253.2	3044.3	2835.6	2783.3	2333.9	1734.8	1435.2	1275.9	957.4	718.4
120°	2894.0	3096.9	2894.0	2691.1	2640.4	2229.7	1682.2	1408.5	1262.9	971.6	753.1
122.5°	2747.5	2947.7	2747.5	2547.5	2497.4	2127.6	1634.6	1388.1	1256.1	992.1	794.0
125°	2538.7	2723.0	2538.7	2354.4	2308.2	1994.1	1575.4	1365.9	1250.5	1019.6	846.4
127.5°	2350.8	2506.3	2350.8	2195.3	2156.4	1886.7	1527.1	1347.3	1247.2	1047.2	897.0
130°	2240.0	2383.8	2240.0	2096.3	2060.4	1820.3	1500.2	1340.2	1249.1	1067.2	930.7
132.5°	2139.6	2268.3	2139.6	2010.9	1978.8	1763.8	1477.2	1333.9	1250.5	1083.4	958.2
135°	2002.0	2112.8	2002.0	1891.0	1863.3	1683.3	1443.3	1323.3	1249.3	1101.3	990.2
137.5°	1891.5	1982.3	1891.5	1800.7	1778.0	1625.9	1423.0	1321.5	1257.0	1128.0	1031.1
140°	1815.7	1900.5	1815.7	1730.8	1709.6	1578.2	1403.0	1315.3	1258.3	1144.2	1058.6
142.5°	1753.0	1826.0	1753.0	1679.9	1661.7	1546.2	1392.3	1315.3	1262.8	1157.8	1079.1
145°	1658.8	1714.0	1658.8	1603.6	1589.8	1495.3	1369.4	1306.4	1262.8	1175.6	1110.2
147.5°	1586.5	1632.4	1586.5	1540.8	1529.3	1455.0	1356.0	1306.4	1271.5	1201.7	1149.2
150°	1541.1	1578.2	1541.1	1503.9	1494.7	1431.9	1348.3	1306.4	1276.1	1215.2	1169.7
152.5°	1502.2	1530.2	1502.2	1474.1	1467.2	1413.6	1342.2	1306.4	1279.0	1224.1	1183.0
155°	1457.5	1476.0	1457.5	1439.0	1434.3	1391.7	1334.9	1306.4	1285.5	1243.7	1212.3
157.5°	1422.2	1435.2	1422.2	1409.1	1405.9	1372.7	1328.5	1306.4	1292.0	1263.2	1241.6
160°	1401.1	1408.5	1401.1	1393.6	1391.7	1363.3	1325.3	1306.4	1295.0	1272.2	1255.0
162.5°	1387.2	1394.4	1387.2	1380.2	1378.4	1354.4	1322.4	1306.4	1298.1	1281.5	1269.1
165°	1367.3	1374.8	1367.3	1359.8	1357.9	1340.7	1317.9	1306.4	1302.7	1295.2	1289.5
167.5°	1353.0	1356.2	1353.0	1349.8	1349.0	1337.8	1322.8	1315.3	1312.2	1305.9	1301.1
170°	1349.0	1349.0	1349.0	1349.0	1349.0	1337.8	1322.8	1315.3	1315.1	1314.7	1314.5
172.5°	1338.5	1335.8	1338.5	1341.3	1342.0	1333.1	1321.2	1315.3	1315.3	1315.3	1315.3
175°	1332.2	1332.2	1332.2	1332.2	1332.2	1326.6	1319.0	1315.3	1317.1	1320.7	1323.3
177.5°	1326.5	1323.3	1326.5	1329.6	1330.4	1326.0	1320.1	1317.1	1318.5	1321.2	1323.3
180°	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3



TEST NUMBER: P934780

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4
2.5°	3071.4	3054.2	3054.2	3025.5	3014.1	3005.5	2991.2	2948.2	2936.7	2925.3	2942.5
5°	3097.2	3065.6	3042.7	2991.2	2948.2	2931.0	2876.6	2773.4	2704.7	2653.1	2624.4
7.5°	3102.9	3062.8	3019.8	2939.6	2836.4	2790.6	2624.4	2435.2	2383.7	2337.8	2309.2
10°	3097.2	3051.3	2991.2	2870.8	2627.3	2547.1	2380.8	2257.6	2226.1	2217.5	2226.1
12.5°	3077.1	3034.1	2951.0	2750.5	2409.5	2355.0	2257.6	2186.0	2180.3	2194.6	2271.9
15°	3042.7	3002.6	2905.2	2590.1	2289.1	2249.0	2180.3	2154.5	2186.0	2286.3	2518.3
17.5°	3008.3	2962.5	2842.2	2432.4	2197.5	2168.8	2120.1	2171.7	2349.3	2484.0	2561.4
20°	2962.5	2908.1	2770.6	2317.8	2131.6	2105.8	2082.9	2314.9	2449.6	2498.3	2541.4
22.5°	2908.1	2850.8	2673.1	2237.6	2062.8	2042.7	2057.1	2395.1	2449.6	2484.0	2521.2
25°	2836.4	2787.7	2558.5	2174.5	2008.4	1985.4	2039.9	2386.5	2418.1	2426.7	2501.1
27.5°	2770.6	2707.5	2438.1	2117.2	1942.5	1933.9	2054.2	2349.3	2372.2	2380.8	2461.0
30°	2690.3	2595.8	2303.5	2057.1	1873.7	1870.8	2057.1	2303.5	2297.7	2320.6	2400.9
32.5°	2607.2	2429.5	2151.6	1982.6	1807.8	1805.0	2037.0	2234.7	2229.0	2260.5	2320.6
35°	2529.9	2300.6	1945.3	1896.6	1724.7	1727.6	1988.3	2154.5	2157.3	2186.0	2223.2
37.5°	2449.6	2188.9	1719.0	1802.1	1644.5	1644.5	1922.4	2080.0	2074.3	2082.9	2134.4
40°	2355.0	2014.1	1518.4	1678.9	1570.0	1561.4	1842.2	1999.8	1979.7	1976.8	2048.5
42.5°	2254.8	1822.1	1369.5	1515.6	1484.1	1472.6	1744.8	1902.4	1865.1	1873.7	1965.4
45°	2145.9	1770.6	1254.9	1280.7	1395.3	1386.7	1638.8	1790.6	1764.8	1787.8	1882.3
47.5°	2037.0	1667.4	1217.6	1062.9	1300.7	1297.8	1521.3	1681.8	1667.4	1690.4	1790.6
50°	1888.0	1552.8	1214.8	911.1	1194.7	1206.2	1380.9	1575.8	1575.8	1595.8	1701.8
52.5°	1696.1	1412.4	1103.0	825.1	1071.5	1105.9	1257.7	1484.1	1489.8	1509.9	1604.4
55°	1521.3	1266.3	1022.8	759.2	925.4	999.9	1137.4	1389.5	1401.0	1421.0	1507.0
57.5°	1360.9	1054.3	1005.6	681.9	790.7	862.4	1031.4	1297.8	1303.6	1320.8	1403.8
60°	1189.0	762.1	922.5	598.8	673.3	727.7	934.0	1189.0	1209.0	1220.5	1292.1
62.5°	994.2	552.9	836.6	541.5	616.0	627.4	853.8	1085.8	1111.6	1120.2	1163.2
65°	707.7	464.1	710.5	492.8	555.8	558.7	767.8	979.8	1002.8	1017.1	1048.6
67.5°	478.5	378.2	541.5	446.9	510.0	512.8	684.7	856.6	888.2	899.6	919.7
70°	332.3	252.1	401.1	398.2	458.4	464.1	595.9	744.9	773.6	782.1	793.6
72.5°	243.5	203.4	332.3	358.1	404.0	409.7	504.2	618.8	647.5	656.1	661.8
75°	186.2	214.9	269.3	312.3	343.8	346.7	412.6	504.2	524.3	530.0	532.9
77.5°	149.0	200.5	197.7	252.1	280.8	275.0	323.7	389.6	406.8	406.8	406.8
80°	111.7	157.6	149.0	180.5	206.3	200.5	232.1	277.9	283.6	289.4	286.5
82.5°	83.1	100.3	100.3	114.6	137.5	131.8	154.7	180.5	180.5	180.5	186.2
85°	51.6	57.3	45.8	60.2	77.4	74.5	86.0	97.4	100.3	100.3	94.5
87.5°	31.5	25.8	14.3	22.9	34.4	34.4	40.1	43.0	40.1	40.1	40.1
90°	23.0	15.9	8.9	15.9	23.0	24.8	39.1	58.1	67.5	60.0	45.0
92.5°	156.3	95.9	35.5	95.9	156.3	171.4	240.9	333.7	380.1	333.1	239.2
95°	306.4	195.8	85.3	195.8	306.4	334.0	593.0	938.4	1111.0	991.5	752.3
97.5°	342.5	245.0	147.5	245.0	342.5	366.8	798.8	1374.6	1662.6	1586.9	1435.7
100°	372.3	283.8	195.4	283.8	372.3	394.3	873.6	1512.6	1832.2	1837.7	1848.8
102.5°	401.2	318.8	236.3	318.8	401.2	421.8	907.9	1556.1	1880.2	1976.5	2169.1
105°	445.2	375.4	305.5	375.4	445.2	462.7	933.4	1561.0	1874.9	2090.8	2522.6
107.5°	506.8	441.7	376.6	441.7	506.8	523.1	938.2	1491.6	1768.3	2069.5	2671.8
110°	542.2	483.3	424.5	483.3	542.2	556.9	931.0	1430.0	1679.5	2016.2	2689.6



TEST NUMBER: P934780

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	583.7	527.6	471.6	527.6	583.7	597.7	931.4	1376.3	1598.7	1943.2	2632.5
115°	646.1	594.3	542.6	594.3	646.1	658.9	939.9	1314.6	1501.8	1833.8	2497.7
117.5°	706.7	659.8	612.8	659.8	706.7	718.4	957.4	1275.9	1435.2	1734.8	2333.9
120°	742.0	697.9	653.7	697.9	742.0	753.1	971.6	1262.9	1408.5	1682.2	2229.7
122.5°	782.8	738.2	693.6	738.2	782.8	794.0	992.1	1256.1	1388.1	1634.6	2127.6
125°	836.3	795.6	754.9	795.6	836.3	846.4	1019.6	1250.5	1365.9	1575.4	1994.1
127.5°	886.8	845.7	804.7	845.7	886.8	897.0	1047.2	1247.2	1347.3	1527.1	1886.7
130°	919.7	875.5	831.3	875.5	919.7	930.7	1067.2	1249.1	1340.2	1500.2	1820.3
132.5°	947.2	903.0	858.8	903.0	947.2	958.2	1083.4	1250.5	1333.9	1477.2	1763.8
135°	980.2	939.9	899.7	939.9	980.2	990.2	1101.3	1249.3	1323.3	1443.3	1683.3
137.5°	1021.2	981.3	941.4	981.3	1021.2	1031.1	1128.0	1257.0	1321.5	1423.0	1625.9
140°	1049.4	1012.7	976.0	1012.7	1049.4	1058.6	1144.2	1258.3	1315.3	1403.0	1578.2
142.5°	1070.6	1036.7	1002.7	1036.7	1070.6	1079.1	1157.8	1262.8	1315.3	1392.3	1546.2
145°	1102.7	1073.1	1043.5	1073.1	1102.7	1110.2	1175.6	1262.8	1306.4	1369.4	1495.3
147.5°	1142.1	1113.2	1084.4	1113.2	1142.1	1149.2	1201.7	1271.5	1306.4	1356.0	1455.0
150°	1163.2	1137.1	1111.0	1137.1	1163.2	1169.7	1215.2	1276.1	1306.4	1348.3	1431.9
152.5°	1178.0	1158.3	1138.6	1158.3	1178.0	1183.0	1224.1	1279.0	1306.4	1342.2	1413.6
155°	1208.6	1194.0	1179.4	1194.0	1208.6	1212.3	1243.7	1285.5	1306.4	1334.9	1391.7
157.5°	1238.1	1223.8	1209.6	1223.8	1238.1	1241.6	1263.2	1292.0	1306.4	1328.5	1372.7
160°	1252.2	1241.1	1230.0	1241.1	1252.2	1255.0	1272.2	1295.0	1306.4	1325.3	1363.3
162.5°	1267.0	1258.8	1250.5	1258.8	1267.0	1269.1	1281.5	1298.1	1306.4	1322.4	1354.4
165°	1287.6	1280.2	1272.7	1280.2	1287.6	1289.5	1295.2	1302.7	1306.4	1317.9	1340.7
167.5°	1300.2	1296.6	1293.1	1296.6	1300.2	1301.1	1305.9	1312.2	1315.3	1322.8	1337.8
170°	1313.6	1310.0	1306.4	1310.0	1313.6	1314.5	1314.7	1315.1	1315.3	1322.8	1337.8
172.5°	1315.1	1314.3	1313.5	1314.3	1315.1	1315.3	1315.3	1315.3	1315.3	1321.2	1333.1
175°	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1320.7	1317.1	1315.3	1319.0	1326.6
177.5°	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1321.2	1318.5	1317.1	1320.1	1326.0
180°	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3



TEST NUMBER: P934780
 CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4
2.5°	2922.4	2913.8	2925.3	2893.7	2925.3	2913.8	2922.4	2942.5	2925.3	2936.7	2948.2
5°	2564.3	2549.9	2504.0	2466.8	2504.0	2549.9	2564.3	2624.4	2653.1	2704.7	2773.4
7.5°	2292.0	2280.5	2269.1	2246.2	2269.1	2280.5	2292.0	2309.2	2337.8	2383.7	2435.2
10°	2231.8	2234.7	2251.9	2249.0	2251.9	2234.7	2231.8	2226.1	2217.5	2226.1	2257.6
12.5°	2386.5	2412.3	2506.9	2501.1	2506.9	2412.3	2386.5	2271.9	2194.6	2180.3	2186.0
15°	2564.3	2572.9	2592.9	2595.8	2592.9	2572.9	2564.3	2518.3	2286.3	2186.0	2154.5
17.5°	2581.5	2584.3	2598.7	2598.7	2598.7	2584.3	2581.5	2561.4	2484.0	2349.3	2171.7
20°	2567.1	2572.9	2601.5	2607.2	2601.5	2572.9	2567.1	2541.4	2498.3	2449.6	2314.9
22.5°	2561.4	2572.9	2595.8	2592.9	2595.8	2572.9	2561.4	2521.2	2484.0	2449.6	2395.1
25°	2532.8	2532.8	2535.6	2538.5	2535.6	2532.8	2532.8	2501.1	2426.7	2418.1	2386.5
27.5°	2472.5	2478.2	2495.4	2492.5	2495.4	2478.2	2472.5	2461.0	2380.8	2372.2	2349.3
30°	2418.1	2412.3	2398.0	2386.5	2398.0	2412.3	2418.1	2400.9	2320.6	2297.7	2303.5
32.5°	2326.4	2312.1	2297.7	2289.1	2297.7	2312.1	2326.4	2320.6	2260.5	2229.0	2234.7
35°	2217.5	2220.4	2217.5	2208.9	2217.5	2220.4	2217.5	2223.2	2186.0	2157.3	2154.5
37.5°	2140.2	2145.9	2143.0	2131.6	2143.0	2145.9	2140.2	2134.4	2082.9	2074.3	2080.0
40°	2059.9	2062.8	2059.9	2051.3	2059.9	2062.8	2059.9	2048.5	1976.8	1979.7	1999.8
42.5°	1982.6	1979.7	1971.1	1965.4	1971.1	1979.7	1982.6	1965.4	1873.7	1865.1	1902.4
45°	1893.8	1896.6	1879.4	1870.8	1879.4	1896.6	1893.8	1882.3	1787.8	1764.8	1790.6
47.5°	1805.0	1805.0	1790.6	1782.0	1790.6	1805.0	1805.0	1790.6	1690.4	1667.4	1681.8
50°	1710.4	1707.5	1687.5	1684.6	1687.5	1707.5	1710.4	1701.8	1595.8	1575.8	1575.8
52.5°	1601.5	1601.5	1604.4	1610.1	1604.4	1601.5	1601.5	1604.4	1509.9	1489.8	1484.1
55°	1507.0	1509.9	1529.9	1535.6	1529.9	1509.9	1507.0	1507.0	1421.0	1401.0	1389.5
57.5°	1409.6	1409.6	1423.9	1423.9	1423.9	1409.6	1409.6	1403.8	1320.8	1303.6	1297.8
60°	1297.8	1303.6	1315.0	1312.2	1315.0	1303.6	1297.8	1292.1	1220.5	1209.0	1189.0
62.5°	1180.4	1186.1	1189.0	1183.2	1189.0	1186.1	1180.4	1163.2	1120.2	1111.6	1085.8
65°	1057.2	1062.9	1065.8	1060.0	1065.8	1062.9	1057.2	1048.6	1017.1	1002.8	979.8
67.5°	931.1	928.3	925.4	936.9	925.4	928.3	931.1	919.7	899.6	888.2	856.6
70°	802.2	802.2	799.3	805.1	799.3	802.2	802.2	793.6	782.1	773.6	744.9
72.5°	664.7	661.8	673.3	664.7	673.3	661.8	664.7	661.8	656.1	647.5	618.8
75°	530.0	535.8	530.0	538.6	530.0	535.8	530.0	532.9	530.0	524.3	504.2
77.5°	404.0	409.7	404.0	404.0	404.0	409.7	404.0	406.8	406.8	406.8	389.6
80°	286.5	283.6	283.6	280.8	283.6	283.6	286.5	286.5	289.4	283.6	277.9
82.5°	183.4	180.5	180.5	186.2	180.5	180.5	183.4	186.2	180.5	180.5	180.5
85°	100.3	103.1	97.4	97.4	97.4	103.1	100.3	94.5	100.3	100.3	97.4
87.5°	37.2	34.4	34.4	34.4	34.4	34.4	37.2	40.1	40.1	40.1	43.0
90°	33.7	33.7	33.7	33.7	33.7	33.7	33.7	45.0	60.0	67.5	58.1
92.5°	168.7	162.1	135.2	108.4	135.2	162.1	168.7	239.2	333.1	380.1	333.7
95°	572.8	552.5	471.2	389.9	471.2	552.5	572.8	752.3	991.5	1111.0	938.4
97.5°	1322.4	1283.7	1129.0	974.3	1129.0	1283.7	1322.4	1435.7	1586.9	1662.6	1374.6
100°	1857.1	1811.0	1626.7	1442.3	1626.7	1811.0	1857.1	1848.8	1837.7	1832.2	1512.6
102.5°	2313.6	2274.1	2116.2	1958.3	2116.2	2274.1	2313.6	2169.1	1976.5	1880.2	1556.1
105°	2846.5	2825.3	2740.4	2655.5	2740.4	2825.3	2846.5	2522.6	2090.8	1874.9	1561.0
107.5°	3123.5	3128.7	3149.2	3169.7	3149.2	3128.7	3123.5	2671.8	2069.5	1768.3	1491.6
110°	3194.6	3216.6	3305.1	3393.5	3305.1	3216.6	3194.6	2689.6	2016.2	1679.5	1430.0



TEST NUMBER: P934780

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3149.3	3183.2	3319.0	3454.8	3319.0	3183.2	3149.3	2632.5	1943.2	1598.7	1376.3
115°	2995.6	3042.7	3231.0	3419.3	3231.0	3042.7	2995.6	2497.7	1833.8	1501.8	1314.6
117.5°	2783.3	2835.6	3044.3	3253.2	3044.3	2835.6	2783.3	2333.9	1734.8	1435.2	1275.9
120°	2640.4	2691.1	2894.0	3096.9	2894.0	2691.1	2640.4	2229.7	1682.2	1408.5	1262.9
122.5°	2497.4	2547.5	2747.5	2947.7	2747.5	2547.5	2497.4	2127.6	1634.6	1388.1	1256.1
125°	2308.2	2354.4	2538.7	2723.0	2538.7	2354.4	2308.2	1994.1	1575.4	1365.9	1250.5
127.5°	2156.4	2195.3	2350.8	2506.3	2350.8	2195.3	2156.4	1886.7	1527.1	1347.3	1247.2
130°	2060.4	2096.3	2240.0	2383.8	2240.0	2096.3	2060.4	1820.3	1500.2	1340.2	1249.1
132.5°	1978.8	2010.9	2139.6	2268.3	2139.6	2010.9	1978.8	1763.8	1477.2	1333.9	1250.5
135°	1863.3	1891.0	2002.0	2112.8	2002.0	1891.0	1863.3	1683.3	1443.3	1323.3	1249.3
137.5°	1778.0	1800.7	1891.5	1982.3	1891.5	1800.7	1778.0	1625.9	1423.0	1321.5	1257.0
140°	1709.6	1730.8	1815.7	1900.5	1815.7	1730.8	1709.6	1578.2	1403.0	1315.3	1258.3
142.5°	1661.7	1679.9	1753.0	1826.0	1753.0	1679.9	1661.7	1546.2	1392.3	1315.3	1262.8
145°	1589.8	1603.6	1658.8	1714.0	1658.8	1603.6	1589.8	1495.3	1369.4	1306.4	1262.8
147.5°	1529.3	1540.8	1586.5	1632.4	1586.5	1540.8	1529.3	1455.0	1356.0	1306.4	1271.5
150°	1494.7	1503.9	1541.1	1578.2	1541.1	1503.9	1494.7	1431.9	1348.3	1306.4	1276.1
152.5°	1467.2	1474.1	1502.2	1530.2	1502.2	1474.1	1467.2	1413.6	1342.2	1306.4	1279.0
155°	1434.3	1439.0	1457.5	1476.0	1457.5	1439.0	1434.3	1391.7	1334.9	1306.4	1285.5
157.5°	1405.9	1409.1	1422.2	1435.2	1422.2	1409.1	1405.9	1372.7	1328.5	1306.4	1292.0
160°	1391.7	1393.6	1401.1	1408.5	1401.1	1393.6	1391.7	1363.3	1325.3	1306.4	1295.0
162.5°	1378.4	1380.2	1387.2	1394.4	1387.2	1380.2	1378.4	1354.4	1322.4	1306.4	1298.1
165°	1357.9	1359.8	1367.3	1374.8	1367.3	1359.8	1357.9	1340.7	1317.9	1306.4	1302.7
167.5°	1349.0	1349.8	1353.0	1356.2	1353.0	1349.8	1349.0	1337.8	1322.8	1315.3	1312.2
170°	1349.0	1349.0	1349.0	1349.0	1349.0	1349.0	1349.0	1337.8	1322.8	1315.3	1315.1
172.5°	1342.0	1341.3	1338.5	1335.8	1338.5	1341.3	1342.0	1333.1	1321.2	1315.3	1315.3
175°	1332.2	1332.2	1332.2	1332.2	1332.2	1332.2	1332.2	1326.6	1319.0	1315.3	1317.1
177.5°	1330.4	1329.6	1326.5	1323.3	1326.5	1329.6	1330.4	1326.0	1320.1	1317.1	1318.5
180°	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3



TEST NUMBER: P934780
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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3028.4	3028.4	3028.4	3028.4	3028.4
2.5°	2991.2	3005.5	3014.1	3025.5	3054.2
5°	2876.6	2931.0	2948.2	2991.2	3042.7
7.5°	2624.4	2790.6	2836.4	2939.6	3019.8
10°	2380.8	2547.1	2627.3	2870.8	2991.2
12.5°	2257.6	2355.0	2409.5	2750.5	2951.0
15°	2180.3	2249.0	2289.1	2590.1	2905.2
17.5°	2120.1	2168.8	2197.5	2432.4	2842.2
20°	2082.9	2105.8	2131.6	2317.8	2770.6
22.5°	2057.1	2042.7	2062.8	2237.6	2673.1
25°	2039.9	1985.4	2008.4	2174.5	2558.5
27.5°	2054.2	1933.9	1942.5	2117.2	2438.1
30°	2057.1	1870.8	1873.7	2057.1	2303.5
32.5°	2037.0	1805.0	1807.8	1982.6	2151.6
35°	1988.3	1727.6	1724.7	1896.6	1945.3
37.5°	1922.4	1644.5	1644.5	1802.1	1719.0
40°	1842.2	1561.4	1570.0	1678.9	1518.4
42.5°	1744.8	1472.6	1484.1	1515.6	1369.5
45°	1638.8	1386.7	1395.3	1280.7	1254.9
47.5°	1521.3	1297.8	1300.7	1062.9	1217.6
50°	1380.9	1206.2	1194.7	911.1	1214.8
52.5°	1257.7	1105.9	1071.5	825.1	1103.0
55°	1137.4	999.9	925.4	759.2	1022.8
57.5°	1031.4	862.4	790.7	681.9	1005.6
60°	934.0	727.7	673.3	598.8	922.5
62.5°	853.8	627.4	616.0	541.5	836.6
65°	767.8	558.7	555.8	492.8	710.5
67.5°	684.7	512.8	510.0	446.9	541.5
70°	595.9	464.1	458.4	398.2	401.1
72.5°	504.2	409.7	404.0	358.1	332.3
75°	412.6	346.7	343.8	312.3	269.3
77.5°	323.7	275.0	280.8	252.1	197.7
80°	232.1	200.5	206.3	180.5	149.0
82.5°	154.7	131.8	137.5	114.6	100.3
85°	86.0	74.5	77.4	60.2	45.8
87.5°	40.1	34.4	34.4	22.9	14.3
90°	39.1	24.8	23.0	15.9	8.9
92.5°	240.9	171.4	156.3	95.9	35.5
95°	593.0	334.0	306.4	195.8	85.3
97.5°	798.8	366.8	342.5	245.0	147.5
100°	873.6	394.3	372.3	283.8	195.4
102.5°	907.9	421.8	401.2	318.8	236.3
105°	933.4	462.7	445.2	375.4	305.5
107.5°	938.2	523.1	506.8	441.7	376.6
110°	931.0	556.9	542.2	483.3	424.5



TEST NUMBER: P934780

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	931.4	597.7	583.7	527.6	471.6
115°	939.9	658.9	646.1	594.3	542.6
117.5°	957.4	718.4	706.7	659.8	612.8
120°	971.6	753.1	742.0	697.9	653.7
122.5°	992.1	794.0	782.8	738.2	693.6
125°	1019.6	846.4	836.3	795.6	754.9
127.5°	1047.2	897.0	886.8	845.7	804.7
130°	1067.2	930.7	919.7	875.5	831.3
132.5°	1083.4	958.2	947.2	903.0	858.8
135°	1101.3	990.2	980.2	939.9	899.7
137.5°	1128.0	1031.1	1021.2	981.3	941.4
140°	1144.2	1058.6	1049.4	1012.7	976.0
142.5°	1157.8	1079.1	1070.6	1036.7	1002.7
145°	1175.6	1110.2	1102.7	1073.1	1043.5
147.5°	1201.7	1149.2	1142.1	1113.2	1084.4
150°	1215.2	1169.7	1163.2	1137.1	1111.0
152.5°	1224.1	1183.0	1178.0	1158.3	1138.6
155°	1243.7	1212.3	1208.6	1194.0	1179.4
157.5°	1263.2	1241.6	1238.1	1223.8	1209.6
160°	1272.2	1255.0	1252.2	1241.1	1230.0
162.5°	1281.5	1269.1	1267.0	1258.8	1250.5
165°	1295.2	1289.5	1287.6	1280.2	1272.7
167.5°	1305.9	1301.1	1300.2	1296.6	1293.1
170°	1314.7	1314.5	1313.6	1310.0	1306.4
172.5°	1315.3	1315.3	1315.1	1314.3	1313.5
175°	1320.7	1323.3	1323.3	1323.3	1323.3
177.5°	1321.2	1323.3	1323.3	1323.3	1323.3
180°	1323.3	1323.3	1323.3	1323.3	1323.3



TEST NUMBER: P934780
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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	12.38	13.22	13.35	14.21	15.51	15.23	16.07	16.20	17.06	18.36
	3H	12.85	13.61	13.84	14.61	15.93	16.58	17.33	17.57	18.33	19.66
	4H	13.04	13.76	14.04	14.76	16.09	17.03	17.74	18.03	18.74	20.08
	6H	13.16	13.82	14.17	14.83	16.17	17.32	17.97	18.33	18.98	20.33
	8H	13.16	13.79	14.18	14.81	16.15	17.39	18.02	18.41	19.04	20.38
	12H	13.13	13.73	14.15	14.74	16.11	17.43	18.03	18.46	19.05	20.41
4H	2H	13.41	14.13	14.42	15.13	16.46	15.64	16.35	16.64	17.35	18.68
	3H	14.44	15.03	15.45	16.06	17.41	17.15	17.74	18.16	18.77	20.12
	4H	14.71	15.26	15.74	16.28	17.65	17.68	18.22	18.70	19.24	20.61
	6H	14.84	15.31	15.87	16.35	17.72	18.05	18.51	19.08	19.56	20.93
	8H	14.84	15.28	15.88	16.32	17.70	18.16	18.59	19.19	19.63	21.01
	12H	14.81	15.20	15.86	16.26	17.64	18.22	18.61	19.27	19.66	21.05
8H	4H	15.17	15.61	16.20	16.65	18.03	17.80	18.24	18.83	19.28	20.66
	6H	15.43	15.79	16.49	16.87	18.25	18.24	18.60	19.30	19.68	21.06
	8H	15.47	15.79	16.54	16.86	18.25	18.40	18.71	19.46	19.78	21.18
	12H	15.46	15.74	16.53	16.80	18.23	18.50	18.78	19.57	19.84	21.28
12H	4H	15.18	15.57	16.23	16.62	18.01	17.76	18.16	18.82	19.21	20.60
	6H	15.49	15.81	16.56	16.88	18.27	18.24	18.56	19.30	19.62	21.02
	8H	15.56	15.84	16.63	16.90	18.34	18.40	18.68	19.47	19.74	21.18