

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: P934778

Luminaire Tested: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934778
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-12-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

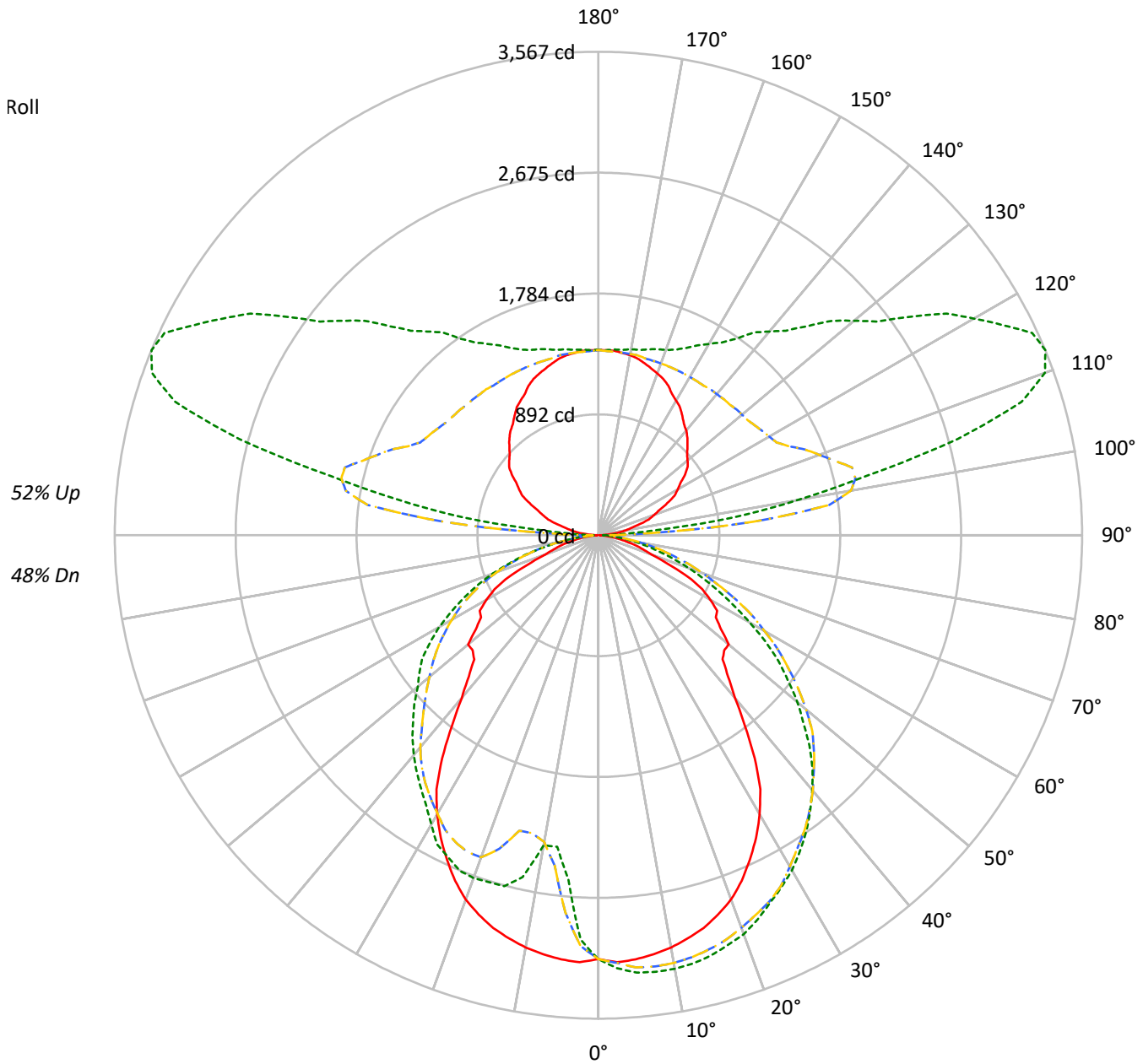
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16969.0 lumens
Efficiency: N/A
Efficacy: 133.4 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

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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°	9671	9671	9671	9671
5°	9747	9763	9747	7676
10°	9685	9617	9685	6875
15°	9584	9408	9584	7856
20°	9387	9161	9387	7873
25°	8980	8801	8980	7706
30°	8453	8503	8453	7339
35°	7540	8125	7540	6937
40°	6286	7679	6286	6632
45°	5620	7158	5620	6283
50°	5976	6537	5976	5932
55°	5628	5868	5628	5729
60°	5808	4983	5808	5247
65°	5275	4120	5275	4605
70°	3661	3283	3661	3860
75°	3223	2427	3223	2906
80°	2616	1604	2616	1747
85°	1533	850	1533	723

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8609 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.2	1.7
10°-20°	801.3	4.7
20°-30°	1238.7	7.3
30°-40°	1478.8	8.7
40°-50°	1487.4	8.8
50°-60°	1294.2	7.6
60°-70°	917.6	5.4
70°-80°	485.5	2.9
80°-90°	126.1	0.7
90°-100°	666.0	3.9
100°-110°	1750.9	10.3
110°-120°	1815.5	10.7
120°-130°	1456.3	8.6
130°-140°	1142.6	6.7
140°-150°	877.0	5.2
150°-160°	631.6	3.7
160°-170°	386.5	2.3
170°-180°	130.6	0.8
0°-30°	2322.3	13.7
0°-40°	3801.1	22.4
0°-60°	6582.8	38.8
0°-90°	8112.0	47.8
90°-120°	4232.4	24.9
90°-150°	7708.3	45.4
90°-180°	8857.0	52.2
0°-180°	16969.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3127	3127	3127	3127	3127	
5°	3142	3239	3142	2547	3142	298
15°	3000	3210	3000	2680	3000	844
25°	2642	2994	2642	2621	2642	1213
35°	2008	2671	2008	2281	2008	1243
45°	1296	2201	1296	1932	1296	1038
55°	1056	1624	1056	1586	1056	970
65°	734	979	734	1094	734	701
75°	278	464	278	556	278	292
85°	47	118	47	101	47	64
90°	9	35	9	35	9	10
95°	88	403	88	403	88	98
105°	315	2742	315	2742	315	334
115°	560	3530	560	3530	560	553
125°	779	2811	779	2811	779	692
135°	929	2181	929	2181	929	719
145°	1077	1770	1077	1770	1077	675
155°	1218	1524	1218	1524	1218	560
165°	1314	1419	1314	1419	1314	371
175°	1366	1376	1366	1376	1366	130
180°	1366	1366	1366	1366	1366	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7
2.5°	3153.3	3153.3	3171.1	3177.0	3177.0	3168.1	3159.2	3168.1	3194.7	3203.6	3200.7
5°	3141.5	3165.2	3197.7	3203.6	3209.5	3206.6	3200.7	3206.6	3236.2	3242.1	3245.0
7.5°	3117.8	3162.2	3203.6	3212.5	3221.4	3212.5	3209.5	3215.4	3245.0	3250.9	3250.9
10°	3088.3	3150.4	3197.7	3203.6	3212.5	3203.6	3203.6	3215.4	3245.0	3250.9	3253.9
12.5°	3046.8	3132.6	3177.0	3182.9	3194.7	3191.8	3188.8	3200.7	3230.2	3236.2	3236.2
15°	2999.5	3100.1	3141.5	3147.4	3168.1	3162.2	3162.2	3174.0	3206.6	3215.4	3212.5
17.5°	2934.4	3058.7	3106.0	3114.9	3129.7	3126.7	3129.7	3141.5	3171.1	3177.0	3179.9
20°	2860.5	3002.5	3058.7	3067.5	3082.3	3082.3	3082.3	3097.1	3126.7	3138.5	3138.5
22.5°	2759.9	2943.3	3002.5	3008.4	3026.1	3026.1	3032.0	3052.8	3079.4	3082.3	3082.3
25°	2641.6	2878.2	2928.5	2946.3	2964.0	2972.9	2981.8	2993.6	3002.5	2999.5	3002.5
27.5°	2517.3	2795.4	2860.5	2872.3	2896.0	2904.9	2916.7	2919.6	2922.6	2931.5	2925.6
30°	2378.2	2680.0	2777.7	2789.5	2827.9	2833.9	2822.0	2827.9	2842.7	2848.7	2854.6
32.5°	2221.5	2508.4	2691.9	2718.5	2754.0	2736.2	2733.3	2742.2	2765.8	2765.8	2771.7
35°	2008.5	2375.3	2612.0	2635.7	2662.3	2641.6	2653.4	2656.4	2671.2	2680.0	2677.1
37.5°	1774.8	2259.9	2529.1	2546.8	2567.5	2540.9	2558.7	2567.5	2579.4	2573.5	2573.5
40°	1567.7	2079.5	2431.5	2443.3	2461.1	2440.4	2458.1	2464.0	2469.9	2464.0	2461.1
42.5°	1413.9	1881.3	2327.9	2342.7	2330.9	2345.7	2351.6	2363.4	2354.6	2342.7	2342.7
45°	1295.6	1828.0	2215.5	2233.3	2215.5	2239.2	2248.1	2248.1	2221.5	2215.5	2212.6
47.5°	1257.2	1721.6	2103.1	2103.1	2094.3	2123.8	2138.6	2117.9	2091.3	2082.4	2082.4
50°	1254.2	1603.2	1949.3	1937.5	1978.9	2014.4	1999.6	1978.9	1958.2	1925.7	1925.7
52.5°	1138.8	1458.3	1751.1	1795.5	1860.6	1881.3	1857.6	1836.9	1801.4	1786.6	1774.8
55°	1056.0	1307.4	1570.7	1659.4	1727.5	1754.1	1709.7	1689.0	1635.8	1626.9	1621.0
57.5°	1038.3	1088.5	1405.0	1517.5	1600.3	1597.3	1570.7	1532.2	1487.9	1479.0	1476.0
60°	952.5	786.8	1227.6	1360.7	1446.5	1437.6	1413.9	1378.4	1337.0	1331.1	1325.2
62.5°	863.7	570.9	1026.4	1177.3	1298.6	1295.6	1274.9	1221.7	1192.1	1177.3	1165.5
65°	733.6	479.2	730.6	979.1	1153.6	1159.5	1115.2	1076.7	1044.2	1026.4	1023.5
67.5°	559.1	390.5	494.0	816.4	1014.6	1008.7	952.5	934.7	893.3	884.4	866.7
70°	414.1	260.3	343.1	662.6	878.5	863.7	819.4	798.7	760.2	739.5	727.7
72.5°	343.1	210.0	251.4	514.7	739.5	721.8	683.3	659.6	627.1	609.3	597.5
75°	278.1	221.8	192.3	381.6	600.5	588.6	553.1	529.5	502.9	479.2	482.2
77.5°	204.1	207.1	153.8	281.0	476.2	458.5	437.8	408.2	396.4	372.7	372.7
80°	153.8	162.7	115.4	192.3	343.1	343.1	325.4	304.7	284.0	272.1	272.1
82.5°	103.5	103.5	85.8	121.3	233.7	224.8	213.0	207.1	195.2	189.3	189.3
85°	47.3	59.2	53.2	74.0	127.2	133.1	133.1	127.2	124.2	118.3	121.3
87.5°	14.8	26.6	32.5	41.4	65.1	68.0	71.0	71.0	71.0	74.0	74.0
90°	9.2	16.5	23.8	25.6	40.3	59.9	69.7	61.9	46.4	34.8	34.8
92.5°	36.7	99.0	161.4	177.0	248.8	344.5	392.4	343.9	247.0	174.2	167.3
95°	88.0	202.1	316.3	344.8	612.2	968.8	1147.1	1023.7	776.7	591.4	570.4
97.5°	152.2	252.9	353.6	378.7	824.7	1419.2	1716.5	1638.4	1482.4	1365.3	1325.4
100°	201.7	293.0	384.3	407.1	902.0	1561.7	1891.6	1897.4	1908.8	1917.4	1869.8
102.5°	243.9	329.1	414.2	435.5	937.4	1606.6	1941.2	2040.6	2239.5	2388.7	2348.0
105°	315.4	387.6	459.7	477.7	963.7	1611.7	1935.7	2158.6	2604.5	2938.9	2917.0
107.5°	388.8	456.0	523.3	540.1	968.6	1540.0	1825.7	2136.7	2758.5	3224.9	3230.2
110°	438.3	499.0	559.8	574.9	961.3	1476.4	1734.0	2081.6	2776.9	3298.3	3321.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	486.9	544.8	602.6	617.1	961.6	1420.9	1650.6	2006.3	2717.9	3251.5	3286.5
115°	560.2	613.6	667.0	680.3	970.4	1357.2	1550.6	1893.3	2578.8	3092.9	3141.5
117.5°	632.7	681.2	729.6	741.8	988.5	1317.3	1481.8	1791.1	2409.7	2873.7	2927.6
120°	674.9	720.6	766.1	777.6	1003.2	1303.9	1454.3	1736.8	2302.1	2726.1	2778.4
122.5°	716.1	762.2	808.2	819.8	1024.3	1296.9	1433.2	1687.6	2196.7	2578.5	2630.2
125°	779.4	821.4	863.4	873.9	1052.7	1291.1	1410.3	1626.5	2058.9	2383.2	2430.8
127.5°	830.8	873.2	915.6	926.1	1081.1	1287.7	1391.0	1576.7	1947.9	2226.4	2266.5
130°	858.3	904.0	949.5	961.0	1101.9	1289.7	1383.7	1548.9	1879.4	2127.3	2164.4
132.5°	886.7	932.4	977.9	989.4	1118.6	1291.1	1377.2	1525.1	1821.0	2043.0	2076.2
135°	928.9	970.4	1012.0	1022.4	1137.1	1289.9	1366.3	1490.1	1737.9	1923.8	1952.4
137.5°	972.0	1013.1	1054.3	1064.6	1164.6	1297.8	1364.4	1469.1	1678.7	1835.7	1859.2
140°	1007.7	1045.6	1083.5	1093.0	1181.3	1299.2	1358.0	1448.5	1629.5	1765.1	1787.0
142.5°	1035.2	1070.3	1105.3	1114.1	1195.4	1303.8	1358.0	1437.5	1596.4	1715.6	1734.5
145°	1077.4	1108.0	1138.5	1146.2	1213.8	1303.8	1348.8	1413.8	1543.9	1641.4	1655.7
147.5°	1119.6	1149.4	1179.2	1186.6	1240.7	1312.8	1348.8	1400.0	1502.3	1579.0	1590.8
150°	1147.1	1174.0	1200.9	1207.7	1254.7	1317.5	1348.8	1392.0	1478.4	1543.2	1552.8
152.5°	1175.5	1195.9	1216.2	1221.4	1263.9	1320.5	1348.8	1385.7	1459.5	1514.8	1522.0
155°	1217.7	1232.8	1247.9	1251.6	1284.1	1327.3	1348.8	1378.2	1436.9	1480.9	1485.7
157.5°	1248.9	1263.6	1278.3	1281.9	1304.2	1334.0	1348.8	1371.6	1417.3	1451.5	1454.8
160°	1270.0	1281.4	1292.8	1295.7	1313.5	1337.0	1348.8	1368.4	1407.5	1436.9	1438.9
162.5°	1291.1	1299.6	1308.1	1310.3	1323.1	1340.3	1348.8	1365.3	1398.3	1423.1	1425.0
165°	1314.0	1321.7	1329.4	1331.4	1337.2	1345.0	1348.8	1360.7	1384.2	1402.0	1404.0
167.5°	1335.0	1338.7	1342.4	1343.3	1348.3	1354.8	1358.0	1365.7	1381.2	1392.8	1393.6
170°	1348.8	1352.5	1356.2	1357.1	1357.4	1357.8	1358.0	1365.7	1381.2	1392.8	1392.8
172.5°	1356.1	1356.9	1357.8	1358.0	1358.0	1358.0	1358.0	1364.1	1376.4	1385.5	1384.8
175°	1366.3	1366.3	1366.3	1366.3	1363.5	1359.9	1358.0	1361.9	1369.7	1375.5	1375.5
177.5°	1366.3	1366.3	1366.3	1366.3	1364.1	1361.3	1359.9	1362.9	1369.1	1373.6	1372.8
180°	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7
2.5°	3206.6	3197.7	3206.6	3200.7	3203.6	3194.7	3168.1	3159.2	3168.1	3177.0	3177.0
5°	3245.0	3239.1	3245.0	3245.0	3242.1	3236.2	3206.6	3200.7	3206.6	3209.5	3203.6
7.5°	3256.9	3248.0	3256.9	3250.9	3250.9	3245.0	3215.4	3209.5	3212.5	3221.4	3212.5
10°	3256.9	3248.0	3256.9	3253.9	3250.9	3245.0	3215.4	3203.6	3203.6	3212.5	3203.6
12.5°	3242.1	3236.2	3242.1	3236.2	3236.2	3230.2	3200.7	3188.8	3191.8	3194.7	3182.9
15°	3218.4	3209.5	3218.4	3212.5	3215.4	3206.6	3174.0	3162.2	3162.2	3168.1	3147.4
17.5°	3182.9	3171.1	3182.9	3179.9	3177.0	3171.1	3141.5	3129.7	3126.7	3129.7	3114.9
20°	3141.5	3132.6	3141.5	3138.5	3138.5	3126.7	3097.1	3082.3	3082.3	3082.3	3067.5
22.5°	3076.4	3067.5	3076.4	3082.3	3082.3	3079.4	3052.8	3032.0	3026.1	3026.1	3008.4
25°	3002.5	2993.6	3002.5	3002.5	2999.5	3002.5	2993.6	2981.8	2972.9	2964.0	2946.3
27.5°	2931.5	2925.6	2931.5	2925.6	2931.5	2922.6	2919.6	2916.7	2904.9	2896.0	2872.3
30°	2860.5	2854.6	2860.5	2854.6	2848.7	2842.7	2827.9	2822.0	2833.9	2827.9	2789.5
32.5°	2771.7	2765.8	2771.7	2771.7	2765.8	2765.8	2742.2	2733.3	2736.2	2754.0	2718.5
35°	2680.0	2671.2	2680.0	2677.1	2680.0	2671.2	2656.4	2653.4	2641.6	2662.3	2635.7
37.5°	2573.5	2564.6	2573.5	2573.5	2573.5	2579.4	2567.5	2558.7	2540.9	2567.5	2546.8
40°	2464.0	2452.2	2464.0	2461.1	2464.0	2469.9	2464.0	2458.1	2440.4	2461.1	2443.3
42.5°	2339.8	2336.8	2339.8	2342.7	2342.7	2354.6	2363.4	2351.6	2345.7	2330.9	2342.7
45°	2206.7	2200.8	2206.7	2212.6	2215.5	2221.5	2248.1	2248.1	2239.2	2215.5	2233.3
47.5°	2064.7	2049.9	2064.7	2082.4	2082.4	2091.3	2117.9	2138.6	2123.8	2094.3	2103.1
50°	1913.8	1916.8	1913.8	1925.7	1925.7	1958.2	1978.9	1999.6	2014.4	1978.9	1937.5
52.5°	1765.9	1763.0	1765.9	1774.8	1786.6	1801.4	1836.9	1857.6	1881.3	1860.6	1795.5
55°	1618.0	1623.9	1618.0	1621.0	1626.9	1635.8	1689.0	1709.7	1754.1	1727.5	1659.4
57.5°	1470.1	1461.3	1470.1	1476.0	1479.0	1487.9	1532.2	1570.7	1597.3	1600.3	1517.5
60°	1298.6	1286.7	1298.6	1325.2	1331.1	1337.0	1378.4	1413.9	1437.6	1446.5	1360.7
62.5°	1147.7	1127.0	1147.7	1165.5	1177.3	1192.1	1221.7	1274.9	1295.6	1298.6	1177.3
65°	988.0	979.1	988.0	1023.5	1026.4	1044.2	1076.7	1115.2	1159.5	1153.6	979.1
67.5°	843.0	843.0	843.0	866.7	884.4	893.3	934.7	952.5	1008.7	1014.6	816.4
70°	709.9	707.0	709.9	727.7	739.5	760.2	798.7	819.4	863.7	878.5	662.6
72.5°	582.7	579.8	582.7	597.5	609.3	627.1	659.6	683.3	721.8	739.5	514.7
75°	470.3	464.4	470.3	482.2	479.2	502.9	529.5	553.1	588.6	600.5	381.6
77.5°	360.9	360.9	360.9	372.7	372.7	396.4	408.2	437.8	458.5	476.2	281.0
80°	269.2	266.2	269.2	272.1	272.1	284.0	304.7	325.4	343.1	343.1	192.3
82.5°	189.3	183.4	189.3	189.3	189.3	195.2	207.1	213.0	224.8	233.7	121.3
85°	118.3	118.3	118.3	121.3	118.3	124.2	127.2	133.1	133.1	127.2	74.0
87.5°	76.9	74.0	76.9	74.0	74.0	71.0	71.0	71.0	68.0	65.1	41.4
90°	34.8	34.8	34.8	34.8	34.8	46.4	61.9	69.7	59.9	40.3	25.6
92.5°	139.6	111.9	139.6	167.3	174.2	247.0	343.9	392.4	344.5	248.8	177.0
95°	486.5	402.6	486.5	570.4	591.4	776.7	1023.7	1147.1	968.8	612.2	344.8
97.5°	1165.6	1005.9	1165.6	1325.4	1365.3	1482.4	1638.4	1716.5	1419.2	824.7	378.7
100°	1679.5	1489.2	1679.5	1869.8	1917.4	1908.8	1897.4	1891.6	1561.7	902.0	407.1
102.5°	2184.9	2021.9	2184.9	2348.0	2388.7	2239.5	2040.6	1941.2	1606.6	937.4	435.5
105°	2829.3	2741.7	2829.3	2917.0	2938.9	2604.5	2158.6	1935.7	1611.7	963.7	477.7
107.5°	3251.4	3272.6	3251.4	3230.2	3224.9	2758.5	2136.7	1825.7	1540.0	968.6	540.1
110°	3412.3	3503.7	3412.3	3321.0	3298.3	2776.9	2081.6	1734.0	1476.4	961.3	574.9



TEST NUMBER: P934778

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3426.7	3567.0	3426.7	3286.5	3251.5	2717.9	2006.3	1650.6	1420.9	961.6	617.1
115°	3335.8	3530.3	3335.8	3141.5	3092.9	2578.8	1893.3	1550.6	1357.2	970.4	680.3
117.5°	3143.2	3358.8	3143.2	2927.6	2873.7	2409.7	1791.1	1481.8	1317.3	988.5	741.8
120°	2988.0	3197.4	2988.0	2778.4	2726.1	2302.1	1736.8	1454.3	1303.9	1003.2	777.6
122.5°	2836.7	3043.4	2836.7	2630.2	2578.5	2196.7	1687.6	1433.2	1296.9	1024.3	819.8
125°	2621.1	2811.4	2621.1	2430.8	2383.2	2058.9	1626.5	1410.3	1291.1	1052.7	873.9
127.5°	2427.1	2587.7	2427.1	2266.5	2226.4	1947.9	1576.7	1391.0	1287.7	1081.1	926.1
130°	2312.8	2461.2	2312.8	2164.4	2127.3	1879.4	1548.9	1383.7	1289.7	1101.9	961.0
132.5°	2209.0	2341.9	2209.0	2076.2	2043.0	1821.0	1525.1	1377.2	1291.1	1118.6	989.4
135°	2067.0	2181.4	2067.0	1952.4	1923.8	1737.9	1490.1	1366.3	1289.9	1137.1	1022.4
137.5°	1952.9	2046.6	1952.9	1859.2	1835.7	1678.7	1469.1	1364.4	1297.8	1164.6	1064.6
140°	1874.7	1962.2	1874.7	1787.0	1765.1	1629.5	1448.5	1358.0	1299.2	1181.3	1093.0
142.5°	1809.9	1885.2	1809.9	1734.5	1715.6	1596.4	1437.5	1358.0	1303.8	1195.4	1114.1
145°	1712.7	1769.7	1712.7	1655.7	1641.4	1543.9	1413.8	1348.8	1303.8	1213.8	1146.2
147.5°	1638.0	1685.4	1638.0	1590.8	1579.0	1502.3	1400.0	1348.8	1312.8	1240.7	1186.6
150°	1591.1	1629.5	1591.1	1552.8	1543.2	1478.4	1392.0	1348.8	1317.5	1254.7	1207.7
152.5°	1551.0	1579.9	1551.0	1522.0	1514.8	1459.5	1385.7	1348.8	1320.5	1263.9	1221.4
155°	1504.8	1524.0	1504.8	1485.7	1480.9	1436.9	1378.2	1348.8	1327.3	1284.1	1251.6
157.5°	1468.4	1481.8	1468.4	1454.8	1451.5	1417.3	1371.6	1348.8	1334.0	1304.2	1281.9
160°	1446.6	1454.3	1446.6	1438.9	1436.9	1407.5	1368.4	1348.8	1337.0	1313.5	1295.7
162.5°	1432.3	1439.7	1432.3	1425.0	1423.1	1398.3	1365.3	1348.8	1340.3	1323.1	1310.3
165°	1411.7	1419.4	1411.7	1404.0	1402.0	1384.2	1360.7	1348.8	1345.0	1337.2	1331.4
167.5°	1397.0	1400.2	1397.0	1393.6	1392.8	1381.2	1365.7	1358.0	1354.8	1348.3	1343.3
170°	1392.8	1392.8	1392.8	1392.8	1392.8	1381.2	1365.7	1358.0	1357.8	1357.4	1357.1
172.5°	1382.0	1379.1	1382.0	1384.8	1385.5	1376.4	1364.1	1358.0	1358.0	1358.0	1358.0
175°	1375.5	1375.5	1375.5	1375.5	1375.5	1369.7	1361.9	1358.0	1359.9	1363.5	1366.3
177.5°	1369.6	1366.3	1369.6	1372.8	1373.6	1369.1	1362.9	1359.9	1361.3	1364.1	1366.3
180°	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3



TEST NUMBER: P934778

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7
2.5°	3171.1	3153.3	3153.3	3123.7	3111.9	3103.0	3088.3	3043.9	3032.0	3020.2	3038.0
5°	3197.7	3165.2	3141.5	3088.3	3043.9	3026.1	2969.9	2863.4	2792.5	2739.2	2709.6
7.5°	3203.6	3162.2	3117.8	3035.0	2928.5	2881.2	2709.6	2514.3	2461.1	2413.7	2384.1
10°	3197.7	3150.4	3088.3	2964.0	2712.6	2629.8	2458.1	2330.9	2298.4	2289.5	2298.4
12.5°	3177.0	3132.6	3046.8	2839.8	2487.7	2431.5	2330.9	2257.0	2251.0	2265.8	2345.7
15°	3141.5	3100.1	2999.5	2674.1	2363.4	2322.0	2251.0	2224.4	2257.0	2360.5	2600.1
17.5°	3106.0	3058.7	2934.4	2511.3	2268.8	2239.2	2188.9	2242.2	2425.6	2564.6	2644.6
20°	3058.7	3002.5	2860.5	2393.0	2200.8	2174.1	2150.5	2390.1	2529.1	2579.4	2623.8
22.5°	3002.5	2943.3	2759.9	2310.2	2129.8	2109.1	2123.8	2472.9	2529.1	2564.6	2603.0
25°	2928.5	2878.2	2641.6	2245.1	2073.6	2049.9	2106.1	2464.0	2496.6	2505.4	2582.3
27.5°	2860.5	2795.4	2517.3	2186.0	2005.5	1996.6	2120.9	2425.6	2449.2	2458.1	2540.9
30°	2777.7	2680.0	2378.2	2123.8	1934.5	1931.6	2123.8	2378.2	2372.3	2396.0	2478.8
32.5°	2691.9	2508.4	2221.5	2046.9	1866.5	1863.5	2103.1	2307.2	2301.3	2333.9	2396.0
35°	2612.0	2375.3	2008.5	1958.2	1780.7	1783.7	2052.9	2224.4	2227.4	2257.0	2295.4
37.5°	2529.1	2259.9	1774.8	1860.6	1697.9	1697.9	1984.8	2147.5	2141.6	2150.5	2203.7
40°	2431.5	2079.5	1567.7	1733.4	1621.0	1612.1	1902.0	2064.7	2044.0	2041.0	2115.0
42.5°	2327.9	1881.3	1413.9	1564.8	1532.2	1520.4	1801.4	1964.1	1925.7	1934.5	2029.2
45°	2215.5	1828.0	1295.6	1322.2	1440.5	1431.7	1692.0	1848.8	1822.1	1845.8	1943.4
47.5°	2103.1	1721.6	1257.2	1097.4	1342.9	1340.0	1570.7	1736.3	1721.6	1745.2	1848.8
50°	1949.3	1603.2	1254.2	940.6	1233.5	1245.3	1425.8	1626.9	1626.9	1647.6	1757.1
52.5°	1751.1	1458.3	1138.8	851.9	1106.3	1141.8	1298.6	1532.2	1538.2	1558.9	1656.5
55°	1570.7	1307.4	1056.0	783.9	955.4	1032.3	1174.3	1434.6	1446.5	1467.2	1555.9
57.5°	1405.0	1088.5	1038.3	704.0	816.4	890.4	1064.9	1340.0	1345.9	1363.6	1449.4
60°	1227.6	786.8	952.5	618.2	695.1	751.3	964.3	1227.6	1248.3	1260.1	1334.1
62.5°	1026.4	570.9	863.7	559.1	636.0	647.8	881.5	1121.1	1147.7	1156.6	1200.9
65°	730.6	479.2	733.6	508.8	573.9	576.8	792.7	1011.6	1035.3	1050.1	1082.6
67.5°	494.0	390.5	559.1	461.4	526.5	529.5	707.0	884.4	917.0	928.8	949.5
70°	343.1	260.3	414.1	411.2	473.3	479.2	615.3	769.1	798.7	807.5	819.4
72.5°	251.4	210.0	343.1	369.8	417.1	423.0	520.6	638.9	668.5	677.4	683.3
75°	192.3	221.8	278.1	322.4	355.0	357.9	426.0	520.6	541.3	547.2	550.2
77.5°	153.8	207.1	204.1	260.3	289.9	284.0	334.3	402.3	420.0	420.0	420.0
80°	115.4	162.7	153.8	186.4	213.0	207.1	239.6	286.9	292.8	298.8	295.8
82.5°	85.8	103.5	103.5	118.3	142.0	136.1	159.7	186.4	186.4	186.4	192.3
85°	53.2	59.2	47.3	62.1	79.9	76.9	88.7	100.6	103.5	103.5	97.6
87.5°	32.5	26.6	14.8	23.7	35.5	35.5	41.4	44.4	41.4	41.4	41.4
90°	23.8	16.5	9.2	16.5	23.8	25.6	40.3	59.9	69.7	61.9	46.4
92.5°	161.4	99.0	36.7	99.0	161.4	177.0	248.8	344.5	392.4	343.9	247.0
95°	316.3	202.1	88.0	202.1	316.3	344.8	612.2	968.8	1147.1	1023.7	776.7
97.5°	353.6	252.9	152.2	252.9	353.6	378.7	824.7	1419.2	1716.5	1638.4	1482.4
100°	384.3	293.0	201.7	293.0	384.3	407.1	902.0	1561.7	1891.6	1897.4	1908.8
102.5°	414.2	329.1	243.9	329.1	414.2	435.5	937.4	1606.6	1941.2	2040.6	2239.5
105°	459.7	387.6	315.4	387.6	459.7	477.7	963.7	1611.7	1935.7	2158.6	2604.5
107.5°	523.3	456.0	388.8	456.0	523.3	540.1	968.6	1540.0	1825.7	2136.7	2758.5
110°	559.8	499.0	438.3	499.0	559.8	574.9	961.3	1476.4	1734.0	2081.6	2776.9



TEST NUMBER: P934778

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	602.6	544.8	486.9	544.8	602.6	617.1	961.6	1420.9	1650.6	2006.3	2717.9
115°	667.0	613.6	560.2	613.6	667.0	680.3	970.4	1357.2	1550.6	1893.3	2578.8
117.5°	729.6	681.2	632.7	681.2	729.6	741.8	988.5	1317.3	1481.8	1791.1	2409.7
120°	766.1	720.6	674.9	720.6	766.1	777.6	1003.2	1303.9	1454.3	1736.8	2302.1
122.5°	808.2	762.2	716.1	762.2	808.2	819.8	1024.3	1296.9	1433.2	1687.6	2196.7
125°	863.4	821.4	779.4	821.4	863.4	873.9	1052.7	1291.1	1410.3	1626.5	2058.9
127.5°	915.6	873.2	830.8	873.2	915.6	926.1	1081.1	1287.7	1391.0	1576.7	1947.9
130°	949.5	904.0	858.3	904.0	949.5	961.0	1101.9	1289.7	1383.7	1548.9	1879.4
132.5°	977.9	932.4	886.7	932.4	977.9	989.4	1118.6	1291.1	1377.2	1525.1	1821.0
135°	1012.0	970.4	928.9	970.4	1012.0	1022.4	1137.1	1289.9	1366.3	1490.1	1737.9
137.5°	1054.3	1013.1	972.0	1013.1	1054.3	1064.6	1164.6	1297.8	1364.4	1469.1	1678.7
140°	1083.5	1045.6	1007.7	1045.6	1083.5	1093.0	1181.3	1299.2	1358.0	1448.5	1629.5
142.5°	1105.3	1070.3	1035.2	1070.3	1105.3	1114.1	1195.4	1303.8	1358.0	1437.5	1596.4
145°	1138.5	1108.0	1077.4	1108.0	1138.5	1146.2	1213.8	1303.8	1348.8	1413.8	1543.9
147.5°	1179.2	1149.4	1119.6	1149.4	1179.2	1186.6	1240.7	1312.8	1348.8	1400.0	1502.3
150°	1200.9	1174.0	1147.1	1174.0	1200.9	1207.7	1254.7	1317.5	1348.8	1392.0	1478.4
152.5°	1216.2	1195.9	1175.5	1195.9	1216.2	1221.4	1263.9	1320.5	1348.8	1385.7	1459.5
155°	1247.9	1232.8	1217.7	1232.8	1247.9	1251.6	1284.1	1327.3	1348.8	1378.2	1436.9
157.5°	1278.3	1263.6	1248.9	1263.6	1278.3	1281.9	1304.2	1334.0	1348.8	1371.6	1417.3
160°	1292.8	1281.4	1270.0	1281.4	1292.8	1295.7	1313.5	1337.0	1348.8	1368.4	1407.5
162.5°	1308.1	1299.6	1291.1	1299.6	1308.1	1310.3	1323.1	1340.3	1348.8	1365.3	1398.3
165°	1329.4	1321.7	1314.0	1321.7	1329.4	1331.4	1337.2	1345.0	1348.8	1360.7	1384.2
167.5°	1342.4	1338.7	1335.0	1338.7	1342.4	1343.3	1348.3	1354.8	1358.0	1365.7	1381.2
170°	1356.2	1352.5	1348.8	1352.5	1356.2	1357.1	1357.4	1357.8	1358.0	1365.7	1381.2
172.5°	1357.8	1356.9	1356.1	1356.9	1357.8	1358.0	1358.0	1358.0	1358.0	1364.1	1376.4
175°	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1363.5	1359.9	1358.0	1361.9
177.5°	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1364.1	1361.3	1359.9	1362.9
180°	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3



TEST NUMBER: P934778
 CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7
2.5°	3017.3	3008.4	3020.2	2987.7	3020.2	3008.4	3017.3	3038.0	3020.2	3032.0	3043.9
5°	2647.5	2632.7	2585.3	2546.8	2585.3	2632.7	2647.5	2709.6	2739.2	2792.5	2863.4
7.5°	2366.4	2354.6	2342.7	2319.1	2342.7	2354.6	2366.4	2384.1	2413.7	2461.1	2514.3
10°	2304.3	2307.2	2325.0	2322.0	2325.0	2307.2	2304.3	2298.4	2289.5	2298.4	2330.9
12.5°	2464.0	2490.6	2588.2	2582.3	2588.2	2490.6	2464.0	2345.7	2265.8	2251.0	2257.0
15°	2647.5	2656.4	2677.1	2680.0	2677.1	2656.4	2647.5	2600.1	2360.5	2257.0	2224.4
17.5°	2665.3	2668.2	2683.0	2683.0	2683.0	2668.2	2665.3	2644.6	2564.6	2425.6	2242.2
20°	2650.5	2656.4	2686.0	2691.9	2686.0	2656.4	2650.5	2623.8	2579.4	2529.1	2390.1
22.5°	2644.6	2656.4	2680.0	2677.1	2680.0	2656.4	2644.6	2603.0	2564.6	2529.1	2472.9
25°	2615.0	2615.0	2617.9	2620.9	2617.9	2615.0	2615.0	2582.3	2505.4	2496.6	2464.0
27.5°	2552.8	2558.7	2576.4	2573.5	2576.4	2558.7	2552.8	2540.9	2458.1	2449.2	2425.6
30°	2496.6	2490.6	2475.8	2464.0	2475.8	2490.6	2496.6	2478.8	2396.0	2372.3	2378.2
32.5°	2401.9	2387.1	2372.3	2363.4	2372.3	2387.1	2401.9	2396.0	2333.9	2301.3	2307.2
35°	2289.5	2292.4	2289.5	2280.6	2289.5	2292.4	2289.5	2295.4	2257.0	2227.4	2224.4
37.5°	2209.6	2215.5	2212.6	2200.8	2212.6	2215.5	2209.6	2203.7	2150.5	2141.6	2147.5
40°	2126.8	2129.8	2126.8	2117.9	2126.8	2129.8	2126.8	2115.0	2041.0	2044.0	2064.7
42.5°	2046.9	2044.0	2035.1	2029.2	2035.1	2044.0	2046.9	2029.2	1934.5	1925.7	1964.1
45°	1955.2	1958.2	1940.4	1931.6	1940.4	1958.2	1955.2	1943.4	1845.8	1822.1	1848.8
47.5°	1863.5	1863.5	1848.8	1839.9	1848.8	1863.5	1863.5	1848.8	1745.2	1721.6	1736.3
50°	1765.9	1763.0	1742.3	1739.3	1742.3	1763.0	1765.9	1757.1	1647.6	1626.9	1626.9
52.5°	1653.5	1653.5	1656.5	1662.4	1656.5	1653.5	1653.5	1656.5	1558.9	1538.2	1532.2
55°	1555.9	1558.9	1579.6	1585.5	1579.6	1558.9	1555.9	1555.9	1467.2	1446.5	1434.6
57.5°	1455.3	1455.3	1470.1	1470.1	1470.1	1455.3	1455.3	1449.4	1363.6	1345.9	1340.0
60°	1340.0	1345.9	1357.7	1354.8	1357.7	1345.9	1340.0	1334.1	1260.1	1248.3	1227.6
62.5°	1218.7	1224.6	1227.6	1221.7	1227.6	1224.6	1218.7	1200.9	1156.6	1147.7	1121.1
65°	1091.5	1097.4	1100.4	1094.5	1100.4	1097.4	1091.5	1082.6	1050.1	1035.3	1011.6
67.5°	961.4	958.4	955.4	967.3	955.4	958.4	961.4	949.5	928.8	917.0	884.4
70°	828.2	828.2	825.3	831.2	825.3	828.2	828.2	819.4	807.5	798.7	769.1
72.5°	686.3	683.3	695.1	686.3	695.1	683.3	686.3	683.3	677.4	668.5	638.9
75°	547.2	553.1	547.2	556.1	547.2	553.1	547.2	550.2	547.2	541.3	520.6
77.5°	417.1	423.0	417.1	417.1	417.1	423.0	417.1	420.0	420.0	420.0	402.3
80°	295.8	292.8	292.8	289.9	292.8	292.8	295.8	295.8	298.8	292.8	286.9
82.5°	189.3	186.4	186.4	192.3	186.4	186.4	189.3	192.3	186.4	186.4	186.4
85°	103.5	106.5	100.6	100.6	100.6	106.5	103.5	97.6	103.5	103.5	100.6
87.5°	38.5	35.5	35.5	35.5	35.5	35.5	38.5	41.4	41.4	41.4	44.4
90°	34.8	34.8	34.8	34.8	34.8	34.8	34.8	46.4	61.9	69.7	59.9
92.5°	174.2	167.3	139.6	111.9	139.6	167.3	174.2	247.0	343.9	392.4	344.5
95°	591.4	570.4	486.5	402.6	486.5	570.4	591.4	776.7	1023.7	1147.1	968.8
97.5°	1365.3	1325.4	1165.6	1005.9	1165.6	1325.4	1365.3	1482.4	1638.4	1716.5	1419.2
100°	1917.4	1869.8	1679.5	1489.2	1679.5	1869.8	1917.4	1908.8	1897.4	1891.6	1561.7
102.5°	2388.7	2348.0	2184.9	2021.9	2184.9	2348.0	2388.7	2239.5	2040.6	1941.2	1606.6
105°	2938.9	2917.0	2829.3	2741.7	2829.3	2917.0	2938.9	2604.5	2158.6	1935.7	1611.7
107.5°	3224.9	3230.2	3251.4	3272.6	3251.4	3230.2	3224.9	2758.5	2136.7	1825.7	1540.0
110°	3298.3	3321.0	3412.3	3503.7	3412.3	3321.0	3298.3	2776.9	2081.6	1734.0	1476.4



TEST NUMBER: P934778

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3251.5	3286.5	3426.7	3567.0	3426.7	3286.5	3251.5	2717.9	2006.3	1650.6	1420.9
115°	3092.9	3141.5	3335.8	3530.3	3335.8	3141.5	3092.9	2578.8	1893.3	1550.6	1357.2
117.5°	2873.7	2927.6	3143.2	3358.8	3143.2	2927.6	2873.7	2409.7	1791.1	1481.8	1317.3
120°	2726.1	2778.4	2988.0	3197.4	2988.0	2778.4	2726.1	2302.1	1736.8	1454.3	1303.9
122.5°	2578.5	2630.2	2836.7	3043.4	2836.7	2630.2	2578.5	2196.7	1687.6	1433.2	1296.9
125°	2383.2	2430.8	2621.1	2811.4	2621.1	2430.8	2383.2	2058.9	1626.5	1410.3	1291.1
127.5°	2226.4	2266.5	2427.1	2587.7	2427.1	2266.5	2226.4	1947.9	1576.7	1391.0	1287.7
130°	2127.3	2164.4	2312.8	2461.2	2312.8	2164.4	2127.3	1879.4	1548.9	1383.7	1289.7
132.5°	2043.0	2076.2	2209.0	2341.9	2209.0	2076.2	2043.0	1821.0	1525.1	1377.2	1291.1
135°	1923.8	1952.4	2067.0	2181.4	2067.0	1952.4	1923.8	1737.9	1490.1	1366.3	1289.9
137.5°	1835.7	1859.2	1952.9	2046.6	1952.9	1859.2	1835.7	1678.7	1469.1	1364.4	1297.8
140°	1765.1	1787.0	1874.7	1962.2	1874.7	1787.0	1765.1	1629.5	1448.5	1358.0	1299.2
142.5°	1715.6	1734.5	1809.9	1885.2	1809.9	1734.5	1715.6	1596.4	1437.5	1358.0	1303.8
145°	1641.4	1655.7	1712.7	1769.7	1712.7	1655.7	1641.4	1543.9	1413.8	1348.8	1303.8
147.5°	1579.0	1590.8	1638.0	1685.4	1638.0	1590.8	1579.0	1502.3	1400.0	1348.8	1312.8
150°	1543.2	1552.8	1591.1	1629.5	1591.1	1552.8	1543.2	1478.4	1392.0	1348.8	1317.5
152.5°	1514.8	1522.0	1551.0	1579.9	1551.0	1522.0	1514.8	1459.5	1385.7	1348.8	1320.5
155°	1480.9	1485.7	1504.8	1524.0	1504.8	1485.7	1480.9	1436.9	1378.2	1348.8	1327.3
157.5°	1451.5	1454.8	1468.4	1481.8	1468.4	1454.8	1451.5	1417.3	1371.6	1348.8	1334.0
160°	1436.9	1438.9	1446.6	1454.3	1446.6	1438.9	1436.9	1407.5	1368.4	1348.8	1337.0
162.5°	1423.1	1425.0	1432.3	1439.7	1432.3	1425.0	1423.1	1398.3	1365.3	1348.8	1340.3
165°	1402.0	1404.0	1411.7	1419.4	1411.7	1404.0	1402.0	1384.2	1360.7	1348.8	1345.0
167.5°	1392.8	1393.6	1397.0	1400.2	1397.0	1393.6	1392.8	1381.2	1365.7	1358.0	1354.8
170°	1392.8	1392.8	1392.8	1392.8	1392.8	1392.8	1392.8	1381.2	1365.7	1358.0	1357.8
172.5°	1385.5	1384.8	1382.0	1379.1	1382.0	1384.8	1385.5	1376.4	1364.1	1358.0	1358.0
175°	1375.5	1375.5	1375.5	1375.5	1375.5	1375.5	1375.5	1369.7	1361.9	1358.0	1359.9
177.5°	1373.6	1372.8	1369.6	1366.3	1369.6	1372.8	1373.6	1369.1	1362.9	1359.9	1361.3
180°	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3



TEST NUMBER: P934778

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3126.7	3126.7	3126.7	3126.7	3126.7
2.5°	3088.3	3103.0	3111.9	3123.7	3153.3
5°	2969.9	3026.1	3043.9	3088.3	3141.5
7.5°	2709.6	2881.2	2928.5	3035.0	3117.8
10°	2458.1	2629.8	2712.6	2964.0	3088.3
12.5°	2330.9	2431.5	2487.7	2839.8	3046.8
15°	2251.0	2322.0	2363.4	2674.1	2999.5
17.5°	2188.9	2239.2	2268.8	2511.3	2934.4
20°	2150.5	2174.1	2200.8	2393.0	2860.5
22.5°	2123.8	2109.1	2129.8	2310.2	2759.9
25°	2106.1	2049.9	2073.6	2245.1	2641.6
27.5°	2120.9	1996.6	2005.5	2186.0	2517.3
30°	2123.8	1931.6	1934.5	2123.8	2378.2
32.5°	2103.1	1863.5	1866.5	2046.9	2221.5
35°	2052.9	1783.7	1780.7	1958.2	2008.5
37.5°	1984.8	1697.9	1697.9	1860.6	1774.8
40°	1902.0	1612.1	1621.0	1733.4	1567.7
42.5°	1801.4	1520.4	1532.2	1564.8	1413.9
45°	1692.0	1431.7	1440.5	1322.2	1295.6
47.5°	1570.7	1340.0	1342.9	1097.4	1257.2
50°	1425.8	1245.3	1233.5	940.6	1254.2
52.5°	1298.6	1141.8	1106.3	851.9	1138.8
55°	1174.3	1032.3	955.4	783.9	1056.0
57.5°	1064.9	890.4	816.4	704.0	1038.3
60°	964.3	751.3	695.1	618.2	952.5
62.5°	881.5	647.8	636.0	559.1	863.7
65°	792.7	576.8	573.9	508.8	733.6
67.5°	707.0	529.5	526.5	461.4	559.1
70°	615.3	479.2	473.3	411.2	414.1
72.5°	520.6	423.0	417.1	369.8	343.1
75°	426.0	357.9	355.0	322.4	278.1
77.5°	334.3	284.0	289.9	260.3	204.1
80°	239.6	207.1	213.0	186.4	153.8
82.5°	159.7	136.1	142.0	118.3	103.5
85°	88.7	76.9	79.9	62.1	47.3
87.5°	41.4	35.5	35.5	23.7	14.8
90°	40.3	25.6	23.8	16.5	9.2
92.5°	248.8	177.0	161.4	99.0	36.7
95°	612.2	344.8	316.3	202.1	88.0
97.5°	824.7	378.7	353.6	252.9	152.2
100°	902.0	407.1	384.3	293.0	201.7
102.5°	937.4	435.5	414.2	329.1	243.9
105°	963.7	477.7	459.7	387.6	315.4
107.5°	968.6	540.1	523.3	456.0	388.8
110°	961.3	574.9	559.8	499.0	438.3



TEST NUMBER: P934778

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	961.6	617.1	602.6	544.8	486.9
115°	970.4	680.3	667.0	613.6	560.2
117.5°	988.5	741.8	729.6	681.2	632.7
120°	1003.2	777.6	766.1	720.6	674.9
122.5°	1024.3	819.8	808.2	762.2	716.1
125°	1052.7	873.9	863.4	821.4	779.4
127.5°	1081.1	926.1	915.6	873.2	830.8
130°	1101.9	961.0	949.5	904.0	858.3
132.5°	1118.6	989.4	977.9	932.4	886.7
135°	1137.1	1022.4	1012.0	970.4	928.9
137.5°	1164.6	1064.6	1054.3	1013.1	972.0
140°	1181.3	1093.0	1083.5	1045.6	1007.7
142.5°	1195.4	1114.1	1105.3	1070.3	1035.2
145°	1213.8	1146.2	1138.5	1108.0	1077.4
147.5°	1240.7	1186.6	1179.2	1149.4	1119.6
150°	1254.7	1207.7	1200.9	1174.0	1147.1
152.5°	1263.9	1221.4	1216.2	1195.9	1175.5
155°	1284.1	1251.6	1247.9	1232.8	1217.7
157.5°	1304.2	1281.9	1278.3	1263.6	1248.9
160°	1313.5	1295.7	1292.8	1281.4	1270.0
162.5°	1323.1	1310.3	1308.1	1299.6	1291.1
165°	1337.2	1331.4	1329.4	1321.7	1314.0
167.5°	1348.3	1343.3	1342.4	1338.7	1335.0
170°	1357.4	1357.1	1356.2	1352.5	1348.8
172.5°	1358.0	1358.0	1357.8	1356.9	1356.1
175°	1363.5	1366.3	1366.3	1366.3	1366.3
177.5°	1364.1	1366.3	1366.3	1366.3	1366.3
180°	1366.3	1366.3	1366.3	1366.3	1366.3



TEST NUMBER: P934778
 CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-12-3000K

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	12.49	13.33	13.46	14.32	15.62	15.34	16.18	16.32	17.17	18.47
	3H	12.96	13.72	13.95	14.72	16.04	16.69	17.45	17.68	18.44	19.77
	4H	13.15	13.87	14.15	14.87	16.20	17.14	17.85	18.14	18.85	20.19
	6H	13.27	13.93	14.28	14.94	16.28	17.43	18.09	18.44	19.09	20.44
	8H	13.27	13.90	14.29	14.92	16.26	17.50	18.13	18.52	19.15	20.49
	12H	13.24	13.84	14.27	14.86	16.22	17.55	18.14	18.57	19.16	20.52
4H	2H	13.52	14.24	14.53	15.24	16.57	15.75	16.46	16.75	17.46	18.79
	3H	14.55	15.14	15.57	16.18	17.52	17.26	17.85	18.27	18.88	20.23
	4H	14.82	15.37	15.85	16.39	17.76	17.79	18.33	18.81	19.36	20.72
	6H	14.95	15.42	15.98	16.46	17.83	18.16	18.63	19.19	19.67	21.04
	8H	14.95	15.39	15.99	16.43	17.81	18.27	18.70	19.30	19.74	21.12
	12H	14.92	15.31	15.97	16.37	17.75	18.33	18.72	19.38	19.78	21.16
8H	4H	15.28	15.72	16.32	16.76	18.14	17.91	18.35	18.95	19.39	20.77
	6H	15.54	15.90	16.60	16.98	18.36	18.35	18.71	19.41	19.79	21.17
	8H	15.58	15.90	16.65	16.97	18.36	18.51	18.82	19.57	19.89	21.29
	12H	15.57	15.85	16.64	16.91	18.35	18.61	18.89	19.68	19.95	21.39
12H	4H	15.29	15.68	16.34	16.74	18.12	17.87	18.27	18.93	19.32	20.71
	6H	15.60	15.92	16.67	16.99	18.38	18.35	18.67	19.42	19.73	21.13
	8H	15.67	15.95	16.74	17.01	18.45	18.51	18.79	19.58	19.85	21.29