

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: P934779

Luminaire Tested: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934779
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-12-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

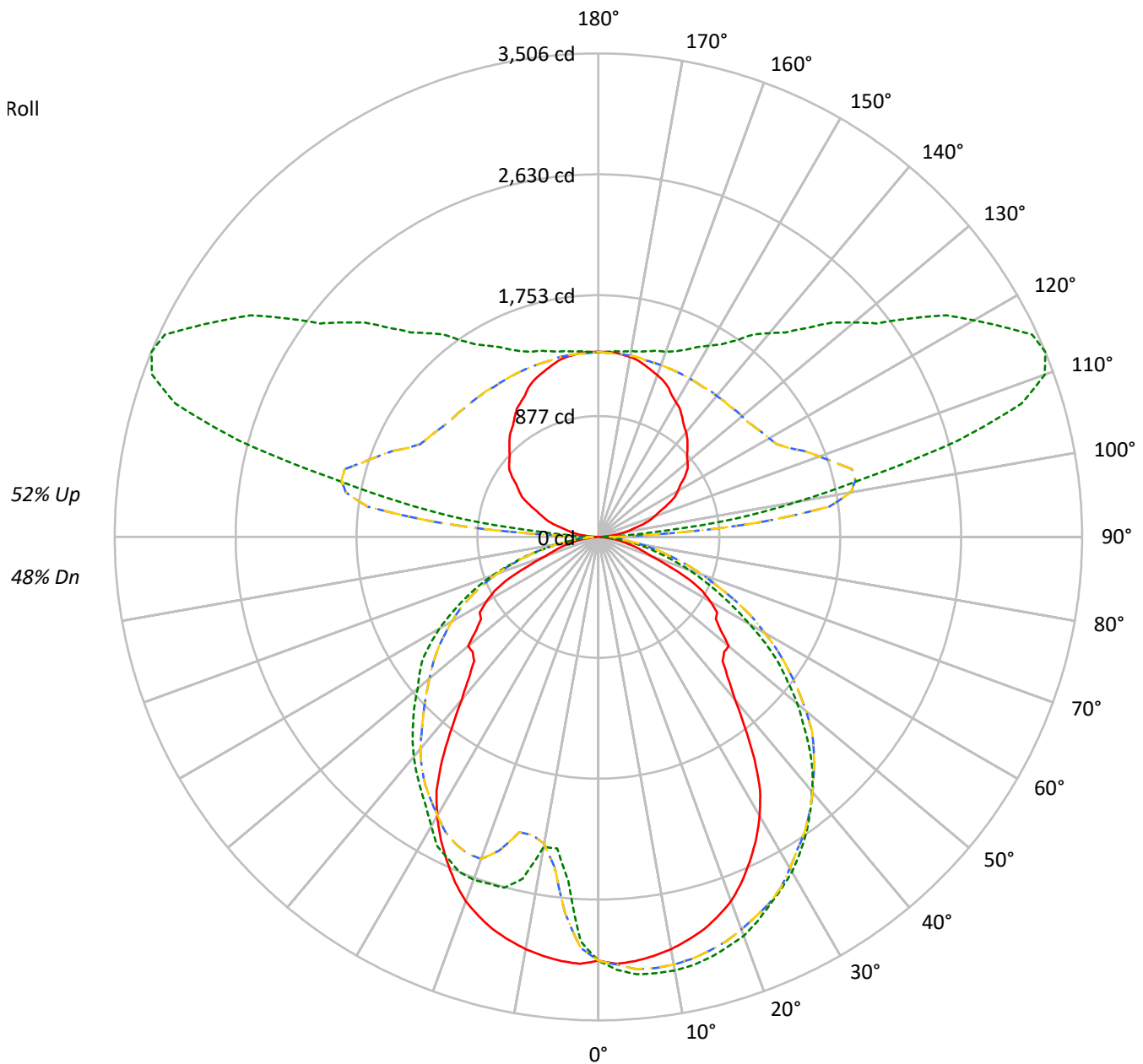
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16676.4 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 127.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P934779
CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-12-3500K

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°	9504	9504	9504	9504
5°	9579	9594	9579	7544
10°	9518	9451	9518	6756
15°	9418	9246	9418	7721
20°	9225	9003	9225	7737
25°	8825	8650	8825	7573
30°	8308	8356	8308	7213
35°	7410	7984	7410	6817
40°	6178	7547	6178	6518
45°	5524	7035	5524	6175
50°	5873	6424	5873	5829
55°	5531	5766	5531	5630
60°	5708	4897	5708	5156
65°	5184	4048	5184	4526
70°	3598	3227	3598	3794
75°	3168	2385	3168	2856
80°	2572	1577	2572	1717
85°	1507	835	1507	710

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8460 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.4	1.7
10°-20°	787.5	4.7
20°-30°	1217.4	7.3
30°-40°	1453.3	8.7
40°-50°	1461.8	8.8
50°-60°	1271.9	7.6
60°-70°	901.8	5.4
70°-80°	477.1	2.9
80°-90°	123.9	0.7
90°-100°	654.5	3.9
100°-110°	1720.7	10.3
110°-120°	1784.2	10.7
120°-130°	1431.2	8.6
130°-140°	1122.9	6.7
140°-150°	861.9	5.2
150°-160°	620.7	3.7
160°-170°	379.8	2.3
170°-180°	128.3	0.8
0°-30°	2282.3	13.7
0°-40°	3735.6	22.4
0°-60°	6469.3	38.8
0°-90°	7972.2	47.8
90°-120°	4159.4	24.9
90°-150°	7575.4	45.4
90°-180°	8704.0	52.2
0°-180°	16676.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3073	3073	3073	3073	3073	
5°	3087	3183	3087	2503	3087	293
15°	2948	3154	2948	2634	2948	829
25°	2596	2942	2596	2576	2596	1192
35°	1974	2625	1974	2241	1974	1221
45°	1273	2163	1273	1898	1273	1020
55°	1038	1596	1038	1558	1038	954
65°	721	962	721	1076	721	689
75°	273	456	273	546	273	287
85°	46	116	46	99	46	63
90°	9	34	9	34	9	9
95°	86	396	86	396	86	96
105°	310	2694	310	2694	310	329
115°	551	3469	551	3469	551	544
125°	766	2763	766	2763	766	680
135°	913	2144	913	2144	913	706
145°	1059	1739	1059	1739	1059	663
155°	1197	1498	1197	1498	1197	550
165°	1291	1395	1291	1395	1291	364
175°	1343	1352	1343	1352	1343	127
180°	1343	1343	1343	1343	1343	



TEST NUMBER: P934779

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8
2.5°	3099.0	3099.0	3116.4	3122.2	3122.2	3113.5	3104.8	3113.5	3139.7	3148.4	3145.5
5°	3087.3	3110.6	3142.6	3148.4	3154.2	3151.3	3145.5	3151.3	3180.4	3186.2	3189.1
7.5°	3064.1	3107.7	3148.4	3157.1	3165.8	3157.1	3154.2	3160.0	3189.1	3194.9	3194.9
10°	3035.0	3096.1	3142.6	3148.4	3157.1	3148.4	3148.4	3160.0	3189.1	3194.9	3197.8
12.5°	2994.3	3078.6	3122.2	3128.0	3139.7	3136.7	3133.8	3145.5	3174.5	3180.4	3180.4
15°	2947.8	3046.6	3087.3	3093.1	3113.5	3107.7	3107.7	3119.3	3151.3	3160.0	3157.1
17.5°	2883.8	3005.9	3052.4	3061.2	3075.7	3072.8	3075.7	3087.3	3116.4	3122.2	3125.1
20°	2811.2	2950.7	3005.9	3014.7	3029.2	3029.2	3029.2	3043.7	3072.8	3084.4	3084.4
22.5°	2712.3	2892.6	2950.7	2956.5	2974.0	2974.0	2979.8	3000.1	3026.3	3029.2	3029.2
25°	2596.0	2828.6	2878.0	2895.5	2912.9	2921.6	2930.4	2942.0	2950.7	2947.8	2950.7
27.5°	2473.9	2747.2	2811.2	2822.8	2846.0	2854.8	2866.4	2869.3	2872.2	2880.9	2875.1
30°	2337.2	2633.8	2729.8	2741.4	2779.2	2785.0	2773.4	2779.2	2793.7	2799.5	2805.4
32.5°	2183.2	2465.1	2645.5	2671.6	2706.5	2689.1	2686.2	2694.9	2718.1	2718.1	2724.0
35°	1973.9	2334.3	2567.0	2590.2	2616.4	2596.0	2607.7	2610.6	2625.1	2633.8	2630.9
37.5°	1744.2	2220.9	2485.5	2502.9	2523.3	2497.1	2514.6	2523.3	2534.9	2529.1	2529.1
40°	1540.7	2043.6	2389.6	2401.2	2418.6	2398.3	2415.7	2421.5	2427.3	2421.5	2418.6
42.5°	1389.5	1848.9	2287.8	2302.3	2290.7	2305.3	2311.1	2322.7	2314.0	2302.3	2302.3
45°	1273.3	1796.5	2177.3	2194.8	2177.3	2200.6	2209.3	2209.3	2183.2	2177.3	2174.4
47.5°	1235.5	1691.9	2066.9	2066.9	2058.2	2087.2	2101.8	2081.4	2055.2	2046.5	2046.5
50°	1232.6	1575.6	1915.7	1904.1	1944.8	1979.7	1965.1	1944.8	1924.4	1892.5	1892.5
52.5°	1119.2	1433.2	1720.9	1764.5	1828.5	1848.9	1825.6	1805.2	1770.4	1755.8	1744.2
55°	1037.8	1284.9	1543.6	1630.8	1697.7	1723.9	1680.2	1659.9	1607.6	1598.8	1593.0
57.5°	1020.4	1069.8	1380.8	1491.3	1572.7	1569.8	1543.6	1505.8	1462.2	1453.5	1450.6
60°	936.1	773.3	1206.4	1337.2	1421.5	1412.8	1389.5	1354.7	1314.0	1308.1	1302.3
62.5°	848.8	561.1	1008.7	1157.0	1276.2	1273.3	1252.9	1200.6	1171.5	1157.0	1145.4
65°	720.9	470.9	718.0	962.2	1133.7	1139.5	1095.9	1058.1	1026.2	1008.7	1005.8
67.5°	549.4	383.7	485.5	802.3	997.1	991.3	936.1	918.6	877.9	869.2	851.8
70°	407.0	255.8	337.2	651.2	863.4	848.8	805.2	784.9	747.1	726.8	715.1
72.5°	337.2	206.4	247.1	505.8	726.8	709.3	671.5	648.3	616.3	598.8	587.2
75°	273.3	218.0	189.0	375.0	590.1	578.5	543.6	520.4	494.2	470.9	473.8
77.5°	200.6	203.5	151.2	276.2	468.0	450.6	430.2	401.2	389.5	366.3	366.3
80°	151.2	159.9	113.4	189.0	337.2	337.2	319.8	299.4	279.1	267.4	267.4
82.5°	101.7	101.7	84.3	119.2	229.7	220.9	209.3	203.5	191.9	186.0	186.0
85°	46.5	58.1	52.3	72.7	125.0	130.8	130.8	125.0	122.1	116.3	119.2
87.5°	14.5	26.2	32.0	40.7	64.0	66.9	69.8	69.8	69.8	72.7	72.7
90°	9.0	16.2	23.4	25.2	39.6	58.9	68.5	60.9	45.6	34.2	34.2
92.5°	36.0	97.3	158.6	173.9	244.5	338.6	385.7	338.0	242.7	171.2	164.4
95°	86.5	198.6	310.9	338.9	601.7	952.1	1127.3	1006.0	763.3	581.2	560.6
97.5°	149.6	248.5	347.5	372.2	810.5	1394.8	1686.9	1610.2	1456.8	1341.8	1302.5
100°	198.3	288.0	377.7	400.1	886.4	1534.8	1859.0	1864.6	1875.9	1884.3	1837.5
102.5°	239.7	323.5	407.1	428.0	921.2	1578.9	1907.8	2005.4	2200.9	2347.5	2307.5
105°	310.0	380.9	451.7	469.5	947.1	1583.9	1902.3	2121.4	2559.6	2888.2	2866.7
107.5°	382.1	448.2	514.2	530.8	951.9	1513.5	1794.2	2099.8	2711.0	3169.3	3174.5
110°	430.7	490.4	550.1	565.0	944.7	1451.0	1704.1	2045.8	2729.0	3241.4	3263.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	478.5	535.4	592.3	606.5	945.1	1396.4	1622.1	1971.7	2671.0	3195.5	3229.9
115°	550.6	603.0	655.5	668.6	953.7	1333.8	1523.8	1860.7	2534.3	3039.6	3087.3
117.5°	621.8	669.5	717.1	729.0	971.4	1294.6	1456.2	1760.2	2368.1	2824.2	2877.2
120°	663.3	708.1	752.9	764.2	985.9	1281.4	1429.2	1706.9	2262.4	2679.1	2730.5
122.5°	703.8	749.0	794.3	805.6	1006.6	1274.5	1408.4	1658.5	2158.8	2534.0	2584.8
125°	766.0	807.3	848.6	858.8	1034.5	1268.8	1386.0	1598.5	2023.4	2342.1	2388.9
127.5°	816.5	858.1	899.8	910.2	1062.5	1265.5	1367.1	1549.5	1914.4	2188.0	2227.4
130°	843.5	888.4	933.1	944.4	1082.9	1267.5	1359.8	1522.2	1847.0	2090.6	2127.1
132.5°	871.4	916.3	961.1	972.3	1099.3	1268.8	1353.5	1498.8	1789.6	2007.8	2040.4
135°	912.9	953.7	994.6	1004.8	1117.5	1267.6	1342.7	1464.4	1708.0	1890.6	1918.7
137.5°	955.2	995.6	1036.2	1046.2	1144.5	1275.4	1340.9	1443.8	1649.7	1804.1	1827.1
140°	990.3	1027.5	1064.8	1074.1	1161.0	1276.8	1334.6	1423.6	1601.4	1734.7	1756.2
142.5°	1017.4	1051.8	1086.2	1094.9	1174.8	1281.3	1334.6	1412.7	1568.9	1686.1	1704.6
145°	1058.8	1088.9	1118.9	1126.5	1192.8	1281.3	1325.6	1389.4	1517.3	1613.1	1627.1
147.5°	1100.3	1129.6	1158.8	1166.1	1219.3	1290.1	1325.6	1375.9	1476.4	1551.8	1563.4
150°	1127.3	1153.8	1180.2	1186.8	1233.1	1294.8	1325.6	1368.0	1452.9	1516.6	1526.0
152.5°	1155.2	1175.3	1195.3	1200.3	1242.1	1297.8	1325.6	1361.8	1434.3	1488.7	1495.7
155°	1196.7	1211.5	1226.4	1230.0	1261.9	1304.4	1325.6	1354.5	1412.1	1455.3	1460.1
157.5°	1227.3	1241.8	1256.2	1259.8	1281.7	1311.0	1325.6	1348.0	1392.8	1426.5	1429.8
160°	1248.1	1259.3	1270.6	1273.4	1290.8	1314.0	1325.6	1344.8	1383.2	1412.1	1414.1
162.5°	1268.8	1277.2	1285.6	1287.7	1300.3	1317.2	1325.6	1341.8	1374.2	1398.6	1400.4
165°	1291.4	1298.9	1306.5	1308.4	1314.2	1321.8	1325.6	1337.2	1360.4	1377.8	1379.8
167.5°	1312.0	1315.6	1319.3	1320.2	1325.0	1331.4	1334.6	1342.2	1357.4	1368.8	1369.6
170°	1325.6	1329.2	1332.9	1333.7	1334.0	1334.4	1334.6	1342.2	1357.4	1368.8	1368.8
172.5°	1332.8	1333.5	1334.4	1334.6	1334.6	1334.6	1334.6	1340.6	1352.6	1361.6	1361.0
175°	1342.7	1342.7	1342.7	1342.7	1340.0	1336.4	1334.6	1338.4	1346.0	1351.8	1351.8
177.5°	1342.7	1342.7	1342.7	1342.7	1340.6	1337.8	1336.4	1339.4	1345.5	1349.9	1349.1
180°	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8
2.5°	3151.3	3142.6	3151.3	3145.5	3148.4	3139.7	3113.5	3104.8	3113.5	3122.2	3122.2
5°	3189.1	3183.3	3189.1	3189.1	3186.2	3180.4	3151.3	3145.5	3151.3	3154.2	3148.4
7.5°	3200.7	3192.0	3200.7	3194.9	3194.9	3189.1	3160.0	3154.2	3157.1	3165.8	3157.1
10°	3200.7	3192.0	3200.7	3197.8	3194.9	3189.1	3160.0	3148.4	3148.4	3157.1	3148.4
12.5°	3186.2	3180.4	3186.2	3180.4	3180.4	3174.5	3145.5	3133.8	3136.7	3139.7	3128.0
15°	3162.9	3154.2	3162.9	3157.1	3160.0	3151.3	3119.3	3107.7	3107.7	3113.5	3093.1
17.5°	3128.0	3116.4	3128.0	3125.1	3122.2	3116.4	3087.3	3075.7	3072.8	3075.7	3061.2
20°	3087.3	3078.6	3087.3	3084.4	3084.4	3072.8	3043.7	3029.2	3029.2	3029.2	3014.7
22.5°	3023.4	3014.7	3023.4	3029.2	3029.2	3026.3	3000.1	2979.8	2974.0	2974.0	2956.5
25°	2950.7	2942.0	2950.7	2950.7	2947.8	2950.7	2942.0	2930.4	2921.6	2912.9	2895.5
27.5°	2880.9	2875.1	2880.9	2875.1	2880.9	2872.2	2869.3	2866.4	2854.8	2846.0	2822.8
30°	2811.2	2805.4	2811.2	2805.4	2799.5	2793.7	2779.2	2773.4	2785.0	2779.2	2741.4
32.5°	2724.0	2718.1	2724.0	2724.0	2718.1	2718.1	2694.9	2686.2	2689.1	2706.5	2671.6
35°	2633.8	2625.1	2633.8	2630.9	2633.8	2625.1	2610.6	2607.7	2596.0	2616.4	2590.2
37.5°	2529.1	2520.4	2529.1	2529.1	2529.1	2534.9	2523.3	2514.6	2497.1	2523.3	2502.9
40°	2421.5	2409.9	2421.5	2418.6	2421.5	2427.3	2421.5	2415.7	2398.3	2418.6	2401.2
42.5°	2299.4	2296.5	2299.4	2302.3	2302.3	2314.0	2322.7	2311.1	2305.3	2290.7	2302.3
45°	2168.6	2162.8	2168.6	2174.4	2177.3	2183.2	2209.3	2209.3	2200.6	2177.3	2194.8
47.5°	2029.1	2014.6	2029.1	2046.5	2046.5	2055.2	2081.4	2101.8	2087.2	2058.2	2066.9
50°	1880.8	1883.7	1880.8	1892.5	1892.5	1924.4	1944.8	1965.1	1979.7	1944.8	1904.1
52.5°	1735.5	1732.6	1735.5	1744.2	1755.8	1770.4	1805.2	1825.6	1848.9	1828.5	1764.5
55°	1590.1	1595.9	1590.1	1593.0	1598.8	1607.6	1659.9	1680.2	1723.9	1697.7	1630.8
57.5°	1444.8	1436.1	1444.8	1450.6	1453.5	1462.2	1505.8	1543.6	1569.8	1572.7	1491.3
60°	1276.2	1264.5	1276.2	1302.3	1308.1	1314.0	1354.7	1389.5	1412.8	1421.5	1337.2
62.5°	1127.9	1107.6	1127.9	1145.4	1157.0	1171.5	1200.6	1252.9	1273.3	1276.2	1157.0
65°	970.9	962.2	970.9	1005.8	1008.7	1026.2	1058.1	1095.9	1139.5	1133.7	962.2
67.5°	828.5	828.5	828.5	851.8	869.2	877.9	918.6	936.1	991.3	997.1	802.3
70°	697.7	694.8	697.7	715.1	726.8	747.1	784.9	805.2	848.8	863.4	651.2
72.5°	572.7	569.8	572.7	587.2	598.8	616.3	648.3	671.5	709.3	726.8	505.8
75°	462.2	456.4	462.2	473.8	470.9	494.2	520.4	543.6	578.5	590.1	375.0
77.5°	354.7	354.7	354.7	366.3	366.3	389.5	401.2	430.2	450.6	468.0	276.2
80°	264.5	261.6	264.5	267.4	267.4	279.1	299.4	319.8	337.2	337.2	189.0
82.5°	186.0	180.2	186.0	186.0	186.0	191.9	203.5	209.3	220.9	229.7	119.2
85°	116.3	116.3	116.3	119.2	116.3	122.1	125.0	130.8	130.8	125.0	72.7
87.5°	75.6	72.7	75.6	72.7	72.7	69.8	69.8	69.8	66.9	64.0	40.7
90°	34.2	34.2	34.2	34.2	34.2	45.6	60.9	68.5	58.9	39.6	25.2
92.5°	137.2	110.0	137.2	164.4	171.2	242.7	338.0	385.7	338.6	244.5	173.9
95°	478.1	395.6	478.1	560.6	581.2	763.3	1006.0	1127.3	952.1	601.7	338.9
97.5°	1145.6	988.6	1145.6	1302.5	1341.8	1456.8	1610.2	1686.9	1394.8	810.5	372.2
100°	1650.5	1463.5	1650.5	1837.5	1884.3	1875.9	1864.6	1859.0	1534.8	886.4	400.1
102.5°	2147.2	1987.0	2147.2	2307.5	2347.5	2200.9	2005.4	1907.8	1578.9	921.2	428.0
105°	2780.5	2694.4	2780.5	2866.7	2888.2	2559.6	2121.4	1902.3	1583.9	947.1	469.5
107.5°	3195.4	3216.2	3195.4	3174.5	3169.3	2711.0	2099.8	1794.2	1513.5	951.9	530.8
110°	3353.5	3443.2	3353.5	3263.8	3241.4	2729.0	2045.8	1704.1	1451.0	944.7	565.0



TEST NUMBER: P934779

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3367.7	3505.5	3367.7	3229.9	3195.5	2671.0	1971.7	1622.1	1396.4	945.1	606.5
115°	3278.3	3469.4	3278.3	3087.3	3039.6	2534.3	1860.7	1523.8	1333.8	953.7	668.6
117.5°	3089.0	3300.9	3089.0	2877.2	2824.2	2368.1	1760.2	1456.2	1294.6	971.4	729.0
120°	2936.5	3142.3	2936.5	2730.5	2679.1	2262.4	1706.9	1429.2	1281.4	985.9	764.2
122.5°	2787.8	2990.9	2787.8	2584.8	2534.0	2158.8	1658.5	1408.4	1274.5	1006.6	805.6
125°	2575.9	2762.9	2575.9	2388.9	2342.1	2023.4	1598.5	1386.0	1268.8	1034.5	858.8
127.5°	2385.3	2543.0	2385.3	2227.4	2188.0	1914.4	1549.5	1367.1	1265.5	1062.5	910.2
130°	2272.9	2418.7	2272.9	2127.1	2090.6	1847.0	1522.2	1359.8	1267.5	1082.9	944.4
132.5°	2170.9	2301.6	2170.9	2040.4	2007.8	1789.6	1498.8	1353.5	1268.8	1099.3	972.3
135°	2031.3	2143.8	2031.3	1918.7	1890.6	1708.0	1464.4	1342.7	1267.6	1117.5	1004.8
137.5°	1919.2	2011.4	1919.2	1827.1	1804.1	1649.7	1443.8	1340.9	1275.4	1144.5	1046.2
140°	1842.4	1928.4	1842.4	1756.2	1734.7	1601.4	1423.6	1334.6	1276.8	1161.0	1074.1
142.5°	1778.7	1852.7	1778.7	1704.6	1686.1	1568.9	1412.7	1334.6	1281.3	1174.8	1094.9
145°	1683.2	1739.2	1683.2	1627.1	1613.1	1517.3	1389.4	1325.6	1281.3	1192.8	1126.5
147.5°	1609.8	1656.3	1609.8	1563.4	1551.8	1476.4	1375.9	1325.6	1290.1	1219.3	1166.1
150°	1563.7	1601.4	1563.7	1526.0	1516.6	1452.9	1368.0	1325.6	1294.8	1233.1	1186.8
152.5°	1524.2	1552.6	1524.2	1495.7	1488.7	1434.3	1361.8	1325.6	1297.8	1242.1	1200.3
155°	1478.9	1497.7	1478.9	1460.1	1455.3	1412.1	1354.5	1325.6	1304.4	1261.9	1230.0
157.5°	1443.0	1456.2	1443.0	1429.8	1426.5	1392.8	1348.0	1325.6	1311.0	1281.7	1259.8
160°	1421.6	1429.2	1421.6	1414.1	1412.1	1383.2	1344.8	1325.6	1314.0	1290.8	1273.4
162.5°	1407.6	1414.8	1407.6	1400.4	1398.6	1374.2	1341.8	1325.6	1317.2	1300.3	1287.7
165°	1387.3	1395.0	1387.3	1379.8	1377.8	1360.4	1337.2	1325.6	1321.8	1314.2	1308.4
167.5°	1372.9	1376.1	1372.9	1369.6	1368.8	1357.4	1342.2	1334.6	1331.4	1325.0	1320.2
170°	1368.8	1368.8	1368.8	1368.8	1368.8	1357.4	1342.2	1334.6	1334.4	1334.0	1333.7
172.5°	1358.2	1355.3	1358.2	1361.0	1361.6	1352.6	1340.6	1334.6	1334.6	1334.6	1334.6
175°	1351.8	1351.8	1351.8	1351.8	1351.8	1346.0	1338.4	1334.6	1336.4	1340.0	1342.7
177.5°	1345.9	1342.7	1345.9	1349.1	1349.9	1345.5	1339.4	1336.4	1337.8	1340.6	1342.7
180°	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7



TEST NUMBER: P934779

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8
2.5°	3116.4	3099.0	3099.0	3069.9	3058.3	3049.5	3035.0	2991.4	2979.8	2968.1	2985.6
5°	3142.6	3110.6	3087.3	3035.0	2991.4	2974.0	2918.7	2814.1	2744.3	2692.0	2662.9
7.5°	3148.4	3107.7	3064.1	2982.7	2878.0	2831.5	2662.9	2471.0	2418.6	2372.1	2343.0
10°	3142.6	3096.1	3035.0	2912.9	2665.8	2584.4	2415.7	2290.7	2258.7	2250.0	2258.7
12.5°	3122.2	3078.6	2994.3	2790.8	2444.8	2389.6	2290.7	2218.0	2212.2	2226.8	2305.3
15°	3087.3	3046.6	2947.8	2628.0	2322.7	2282.0	2212.2	2186.1	2218.0	2319.8	2555.3
17.5°	3052.4	3005.9	2883.8	2468.0	2229.7	2200.6	2151.2	2203.5	2383.7	2520.4	2599.0
20°	3005.9	2950.7	2811.2	2351.8	2162.8	2136.6	2113.4	2348.9	2485.5	2534.9	2578.6
22.5°	2950.7	2892.6	2712.3	2270.4	2093.0	2072.7	2087.2	2430.3	2485.5	2520.4	2558.2
25°	2878.0	2828.6	2596.0	2206.4	2037.8	2014.6	2069.8	2421.5	2453.5	2462.2	2537.8
27.5°	2811.2	2747.2	2473.9	2148.3	1970.9	1962.2	2084.3	2383.7	2407.0	2415.7	2497.1
30°	2729.8	2633.8	2337.2	2087.2	1901.2	1898.3	2087.2	2337.2	2331.4	2354.7	2436.1
32.5°	2645.5	2465.1	2183.2	2011.6	1834.3	1831.4	2066.9	2267.5	2261.6	2293.6	2354.7
35°	2567.0	2334.3	1973.9	1924.4	1750.0	1752.9	2017.5	2186.1	2189.0	2218.0	2255.8
37.5°	2485.5	2220.9	1744.2	1828.5	1668.6	1668.6	1950.6	2110.5	2104.7	2113.4	2165.7
40°	2389.6	2043.6	1540.7	1703.5	1593.0	1584.3	1869.2	2029.1	2008.7	2005.8	2078.5
42.5°	2287.8	1848.9	1389.5	1537.8	1505.8	1494.2	1770.4	1930.2	1892.5	1901.2	1994.2
45°	2177.3	1796.5	1273.3	1299.4	1415.7	1407.0	1662.8	1816.9	1790.7	1814.0	1909.9
47.5°	2066.9	1691.9	1235.5	1078.5	1319.8	1316.9	1543.6	1706.4	1691.9	1715.1	1816.9
50°	1915.7	1575.6	1232.6	924.4	1212.2	1223.8	1401.2	1598.8	1598.8	1619.2	1726.8
52.5°	1720.9	1433.2	1119.2	837.2	1087.2	1122.1	1276.2	1505.8	1511.6	1532.0	1627.9
55°	1543.6	1284.9	1037.8	770.4	939.0	1014.5	1154.1	1409.9	1421.5	1441.9	1529.1
57.5°	1380.8	1069.8	1020.4	691.9	802.3	875.0	1046.5	1316.9	1322.7	1340.1	1424.4
60°	1206.4	773.3	936.1	607.6	683.1	738.4	947.7	1206.4	1226.8	1238.4	1311.1
62.5°	1008.7	561.1	848.8	549.4	625.0	636.6	866.3	1101.8	1127.9	1136.6	1180.2
65°	718.0	470.9	720.9	500.0	564.0	566.9	779.1	994.2	1017.4	1032.0	1064.0
67.5°	485.5	383.7	549.4	453.5	517.4	520.4	694.8	869.2	901.2	912.8	933.1
70°	337.2	255.8	407.0	404.1	465.1	470.9	604.7	755.8	784.9	793.6	805.2
72.5°	247.1	206.4	337.2	363.4	409.9	415.7	511.6	627.9	657.0	665.7	671.5
75°	189.0	218.0	273.3	316.9	348.8	351.7	418.6	511.6	532.0	537.8	540.7
77.5°	151.2	203.5	200.6	255.8	284.9	279.1	328.5	395.4	412.8	412.8	412.8
80°	113.4	159.9	151.2	183.1	209.3	203.5	235.5	282.0	287.8	293.6	290.7
82.5°	84.3	101.7	101.7	116.3	139.5	133.7	157.0	183.1	183.1	183.1	189.0
85°	52.3	58.1	46.5	61.0	78.5	75.6	87.2	98.8	101.7	101.7	95.9
87.5°	32.0	26.2	14.5	23.3	34.9	34.9	40.7	43.6	40.7	40.7	40.7
90°	23.4	16.2	9.0	16.2	23.4	25.2	39.6	58.9	68.5	60.9	45.6
92.5°	158.6	97.3	36.0	97.3	158.6	173.9	244.5	338.6	385.7	338.0	242.7
95°	310.9	198.6	86.5	198.6	310.9	338.9	601.7	952.1	1127.3	1006.0	763.3
97.5°	347.5	248.5	149.6	248.5	347.5	372.2	810.5	1394.8	1686.9	1610.2	1456.8
100°	377.7	288.0	198.3	288.0	377.7	400.1	886.4	1534.8	1859.0	1864.6	1875.9
102.5°	407.1	323.5	239.7	323.5	407.1	428.0	921.2	1578.9	1907.8	2005.4	2200.9
105°	451.7	380.9	310.0	380.9	451.7	469.5	947.1	1583.9	1902.3	2121.4	2559.6
107.5°	514.2	448.2	382.1	448.2	514.2	530.8	951.9	1513.5	1794.2	2099.8	2711.0
110°	550.1	490.4	430.7	490.4	550.1	565.0	944.7	1451.0	1704.1	2045.8	2729.0



TEST NUMBER: P934779

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	592.3	535.4	478.5	535.4	592.3	606.5	945.1	1396.4	1622.1	1971.7	2671.0
115°	655.5	603.0	550.6	603.0	655.5	668.6	953.7	1333.8	1523.8	1860.7	2534.3
117.5°	717.1	669.5	621.8	669.5	717.1	729.0	971.4	1294.6	1456.2	1760.2	2368.1
120°	752.9	708.1	663.3	708.1	752.9	764.2	985.9	1281.4	1429.2	1706.9	2262.4
122.5°	794.3	749.0	703.8	749.0	794.3	805.6	1006.6	1274.5	1408.4	1658.5	2158.8
125°	848.6	807.3	766.0	807.3	848.6	858.8	1034.5	1268.8	1386.0	1598.5	2023.4
127.5°	899.8	858.1	816.5	858.1	899.8	910.2	1062.5	1265.5	1367.1	1549.5	1914.4
130°	933.1	888.4	843.5	888.4	933.1	944.4	1082.9	1267.5	1359.8	1522.2	1847.0
132.5°	961.1	916.3	871.4	916.3	961.1	972.3	1099.3	1268.8	1353.5	1498.8	1789.6
135°	994.6	953.7	912.9	953.7	994.6	1004.8	1117.5	1267.6	1342.7	1464.4	1708.0
137.5°	1036.2	995.6	955.2	995.6	1036.2	1046.2	1144.5	1275.4	1340.9	1443.8	1649.7
140°	1064.8	1027.5	990.3	1027.5	1064.8	1074.1	1161.0	1276.8	1334.6	1423.6	1601.4
142.5°	1086.2	1051.8	1017.4	1051.8	1086.2	1094.9	1174.8	1281.3	1334.6	1412.7	1568.9
145°	1118.9	1088.9	1058.8	1088.9	1118.9	1126.5	1192.8	1281.3	1325.6	1389.4	1517.3
147.5°	1158.8	1129.6	1100.3	1129.6	1158.8	1166.1	1219.3	1290.1	1325.6	1375.9	1476.4
150°	1180.2	1153.8	1127.3	1153.8	1180.2	1186.8	1233.1	1294.8	1325.6	1368.0	1452.9
152.5°	1195.3	1175.3	1155.2	1175.3	1195.3	1200.3	1242.1	1297.8	1325.6	1361.8	1434.3
155°	1226.4	1211.5	1196.7	1211.5	1226.4	1230.0	1261.9	1304.4	1325.6	1354.5	1412.1
157.5°	1256.2	1241.8	1227.3	1241.8	1256.2	1259.8	1281.7	1311.0	1325.6	1348.0	1392.8
160°	1270.6	1259.3	1248.1	1259.3	1270.6	1273.4	1290.8	1314.0	1325.6	1344.8	1383.2
162.5°	1285.6	1277.2	1268.8	1277.2	1285.6	1287.7	1300.3	1317.2	1325.6	1341.8	1374.2
165°	1306.5	1298.9	1291.4	1298.9	1306.5	1308.4	1314.2	1321.8	1325.6	1337.2	1360.4
167.5°	1319.3	1315.6	1312.0	1315.6	1319.3	1320.2	1325.0	1331.4	1334.6	1342.2	1357.4
170°	1332.9	1329.2	1325.6	1329.2	1332.9	1333.7	1334.0	1334.4	1334.6	1342.2	1357.4
172.5°	1334.4	1333.5	1332.8	1333.5	1334.4	1334.6	1334.6	1334.6	1334.6	1340.6	1352.6
175°	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1340.0	1336.4	1334.6	1338.4	1346.0
177.5°	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1340.6	1337.8	1336.4	1339.4	1345.5
180°	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7



TEST NUMBER: P934779
 CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8
2.5°	2965.2	2956.5	2968.1	2936.2	2968.1	2956.5	2965.2	2985.6	2968.1	2979.8	2991.4
5°	2601.9	2587.3	2540.7	2502.9	2540.7	2587.3	2601.9	2662.9	2692.0	2744.3	2814.1
7.5°	2325.6	2314.0	2302.3	2279.1	2302.3	2314.0	2325.6	2343.0	2372.1	2418.6	2471.0
10°	2264.6	2267.5	2284.9	2282.0	2284.9	2267.5	2264.6	2258.7	2250.0	2258.7	2290.7
12.5°	2421.5	2447.7	2543.6	2537.8	2543.6	2447.7	2421.5	2305.3	2226.8	2212.2	2218.0
15°	2601.9	2610.6	2630.9	2633.8	2630.9	2610.6	2601.9	2555.3	2319.8	2218.0	2186.1
17.5°	2619.3	2622.2	2636.7	2636.7	2636.7	2622.2	2619.3	2599.0	2520.4	2383.7	2203.5
20°	2604.8	2610.6	2639.7	2645.5	2639.7	2610.6	2604.8	2578.6	2534.9	2485.5	2348.9
22.5°	2599.0	2610.6	2633.8	2630.9	2633.8	2610.6	2599.0	2558.2	2520.4	2485.5	2430.3
25°	2569.9	2569.9	2572.8	2575.7	2572.8	2569.9	2569.9	2537.8	2462.2	2453.5	2421.5
27.5°	2508.7	2514.6	2532.0	2529.1	2532.0	2514.6	2508.7	2497.1	2415.7	2407.0	2383.7
30°	2453.5	2447.7	2433.2	2421.5	2433.2	2447.7	2453.5	2436.1	2354.7	2331.4	2337.2
32.5°	2360.5	2345.9	2331.4	2322.7	2331.4	2345.9	2360.5	2354.7	2293.6	2261.6	2267.5
35°	2250.0	2252.9	2250.0	2241.3	2250.0	2252.9	2250.0	2255.8	2218.0	2189.0	2186.1
37.5°	2171.5	2177.3	2174.4	2162.8	2174.4	2177.3	2171.5	2165.7	2113.4	2104.7	2110.5
40°	2090.1	2093.0	2090.1	2081.4	2090.1	2093.0	2090.1	2078.5	2005.8	2008.7	2029.1
42.5°	2011.6	2008.7	2000.0	1994.2	2000.0	2008.7	2011.6	1994.2	1901.2	1892.5	1930.2
45°	1921.5	1924.4	1907.0	1898.3	1907.0	1924.4	1921.5	1909.9	1814.0	1790.7	1816.9
47.5°	1831.4	1831.4	1816.9	1808.2	1816.9	1831.4	1831.4	1816.9	1715.1	1691.9	1706.4
50°	1735.5	1732.6	1712.2	1709.3	1712.2	1732.6	1735.5	1726.8	1619.2	1598.8	1598.8
52.5°	1625.0	1625.0	1627.9	1633.7	1627.9	1625.0	1625.0	1627.9	1532.0	1511.6	1505.8
55°	1529.1	1532.0	1552.3	1558.2	1552.3	1532.0	1529.1	1529.1	1441.9	1421.5	1409.9
57.5°	1430.2	1430.2	1444.8	1444.8	1444.8	1430.2	1430.2	1424.4	1340.1	1322.7	1316.9
60°	1316.9	1322.7	1334.3	1331.4	1334.3	1322.7	1316.9	1311.1	1238.4	1226.8	1206.4
62.5°	1197.7	1203.5	1206.4	1200.6	1206.4	1203.5	1197.7	1180.2	1136.6	1127.9	1101.8
65°	1072.7	1078.5	1081.4	1075.6	1081.4	1078.5	1072.7	1064.0	1032.0	1017.4	994.2
67.5°	944.8	941.9	939.0	950.6	939.0	941.9	944.8	933.1	912.8	901.2	869.2
70°	814.0	814.0	811.1	816.9	811.1	814.0	814.0	805.2	793.6	784.9	755.8
72.5°	674.4	671.5	683.1	674.4	683.1	671.5	674.4	671.5	665.7	657.0	627.9
75°	537.8	543.6	537.8	546.5	537.8	543.6	537.8	540.7	537.8	532.0	511.6
77.5°	409.9	415.7	409.9	409.9	409.9	415.7	409.9	412.8	412.8	412.8	395.4
80°	290.7	287.8	287.8	284.9	287.8	287.8	290.7	290.7	293.6	287.8	282.0
82.5°	186.0	183.1	183.1	189.0	183.1	183.1	186.0	189.0	183.1	183.1	183.1
85°	101.7	104.7	98.8	98.8	98.8	104.7	101.7	95.9	101.7	101.7	98.8
87.5°	37.8	34.9	34.9	34.9	34.9	34.9	37.8	40.7	40.7	40.7	43.6
90°	34.2	34.2	34.2	34.2	34.2	34.2	34.2	45.6	60.9	68.5	58.9
92.5°	171.2	164.4	137.2	110.0	137.2	164.4	171.2	242.7	338.0	385.7	338.6
95°	581.2	560.6	478.1	395.6	478.1	560.6	581.2	763.3	1006.0	1127.3	952.1
97.5°	1341.8	1302.5	1145.6	988.6	1145.6	1302.5	1341.8	1456.8	1610.2	1686.9	1394.8
100°	1884.3	1837.5	1650.5	1463.5	1650.5	1837.5	1884.3	1875.9	1864.6	1859.0	1534.8
102.5°	2347.5	2307.5	2147.2	1987.0	2147.2	2307.5	2347.5	2200.9	2005.4	1907.8	1578.9
105°	2888.2	2866.7	2780.5	2694.4	2780.5	2866.7	2888.2	2559.6	2121.4	1902.3	1583.9
107.5°	3169.3	3174.5	3195.4	3216.2	3195.4	3174.5	3169.3	2711.0	2099.8	1794.2	1513.5
110°	3241.4	3263.8	3353.5	3443.2	3353.5	3263.8	3241.4	2729.0	2045.8	1704.1	1451.0



TEST NUMBER: P934779

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3195.5	3229.9	3367.7	3505.5	3367.7	3229.9	3195.5	2671.0	1971.7	1622.1	1396.4
115°	3039.6	3087.3	3278.3	3469.4	3278.3	3087.3	3039.6	2534.3	1860.7	1523.8	1333.8
117.5°	2824.2	2877.2	3089.0	3300.9	3089.0	2877.2	2824.2	2368.1	1760.2	1456.2	1294.6
120°	2679.1	2730.5	2936.5	3142.3	2936.5	2730.5	2679.1	2262.4	1706.9	1429.2	1281.4
122.5°	2534.0	2584.8	2787.8	2990.9	2787.8	2584.8	2534.0	2158.8	1658.5	1408.4	1274.5
125°	2342.1	2388.9	2575.9	2762.9	2575.9	2388.9	2342.1	2023.4	1598.5	1386.0	1268.8
127.5°	2188.0	2227.4	2385.3	2543.0	2385.3	2227.4	2188.0	1914.4	1549.5	1367.1	1265.5
130°	2090.6	2127.1	2272.9	2418.7	2272.9	2127.1	2090.6	1847.0	1522.2	1359.8	1267.5
132.5°	2007.8	2040.4	2170.9	2301.6	2170.9	2040.4	2007.8	1789.6	1498.8	1353.5	1268.8
135°	1890.6	1918.7	2031.3	2143.8	2031.3	1918.7	1890.6	1708.0	1464.4	1342.7	1267.6
137.5°	1804.1	1827.1	1919.2	2011.4	1919.2	1827.1	1804.1	1649.7	1443.8	1340.9	1275.4
140°	1734.7	1756.2	1842.4	1928.4	1842.4	1756.2	1734.7	1601.4	1423.6	1334.6	1276.8
142.5°	1686.1	1704.6	1778.7	1852.7	1778.7	1704.6	1686.1	1568.9	1412.7	1334.6	1281.3
145°	1613.1	1627.1	1683.2	1739.2	1683.2	1627.1	1613.1	1517.3	1389.4	1325.6	1281.3
147.5°	1551.8	1563.4	1609.8	1656.3	1609.8	1563.4	1551.8	1476.4	1375.9	1325.6	1290.1
150°	1516.6	1526.0	1563.7	1601.4	1563.7	1526.0	1516.6	1452.9	1368.0	1325.6	1294.8
152.5°	1488.7	1495.7	1524.2	1552.6	1524.2	1495.7	1488.7	1434.3	1361.8	1325.6	1297.8
155°	1455.3	1460.1	1478.9	1497.7	1478.9	1460.1	1455.3	1412.1	1354.5	1325.6	1304.4
157.5°	1426.5	1429.8	1443.0	1456.2	1443.0	1429.8	1426.5	1392.8	1348.0	1325.6	1311.0
160°	1412.1	1414.1	1421.6	1429.2	1421.6	1414.1	1412.1	1383.2	1344.8	1325.6	1314.0
162.5°	1398.6	1400.4	1407.6	1414.8	1407.6	1400.4	1398.6	1374.2	1341.8	1325.6	1317.2
165°	1377.8	1379.8	1387.3	1395.0	1387.3	1379.8	1377.8	1360.4	1337.2	1325.6	1321.8
167.5°	1368.8	1369.6	1372.9	1376.1	1372.9	1369.6	1368.8	1357.4	1342.2	1334.6	1331.4
170°	1368.8	1368.8	1368.8	1368.8	1368.8	1368.8	1368.8	1357.4	1342.2	1334.6	1334.4
172.5°	1361.6	1361.0	1358.2	1355.3	1358.2	1361.0	1361.6	1352.6	1340.6	1334.6	1334.6
175°	1351.8	1351.8	1351.8	1351.8	1351.8	1351.8	1351.8	1346.0	1338.4	1334.6	1336.4
177.5°	1349.9	1349.1	1345.9	1342.7	1345.9	1349.1	1349.9	1345.5	1339.4	1336.4	1337.8
180°	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7



TEST NUMBER: P934779

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3072.8	3072.8	3072.8	3072.8	3072.8
2.5°	3035.0	3049.5	3058.3	3069.9	3099.0
5°	2918.7	2974.0	2991.4	3035.0	3087.3
7.5°	2662.9	2831.5	2878.0	2982.7	3064.1
10°	2415.7	2584.4	2665.8	2912.9	3035.0
12.5°	2290.7	2389.6	2444.8	2790.8	2994.3
15°	2212.2	2282.0	2322.7	2628.0	2947.8
17.5°	2151.2	2200.6	2229.7	2468.0	2883.8
20°	2113.4	2136.6	2162.8	2351.8	2811.2
22.5°	2087.2	2072.7	2093.0	2270.4	2712.3
25°	2069.8	2014.6	2037.8	2206.4	2596.0
27.5°	2084.3	1962.2	1970.9	2148.3	2473.9
30°	2087.2	1898.3	1901.2	2087.2	2337.2
32.5°	2066.9	1831.4	1834.3	2011.6	2183.2
35°	2017.5	1752.9	1750.0	1924.4	1973.9
37.5°	1950.6	1668.6	1668.6	1828.5	1744.2
40°	1869.2	1584.3	1593.0	1703.5	1540.7
42.5°	1770.4	1494.2	1505.8	1537.8	1389.5
45°	1662.8	1407.0	1415.7	1299.4	1273.3
47.5°	1543.6	1316.9	1319.8	1078.5	1235.5
50°	1401.2	1223.8	1212.2	924.4	1232.6
52.5°	1276.2	1122.1	1087.2	837.2	1119.2
55°	1154.1	1014.5	939.0	770.4	1037.8
57.5°	1046.5	875.0	802.3	691.9	1020.4
60°	947.7	738.4	683.1	607.6	936.1
62.5°	866.3	636.6	625.0	549.4	848.8
65°	779.1	566.9	564.0	500.0	720.9
67.5°	694.8	520.4	517.4	453.5	549.4
70°	604.7	470.9	465.1	404.1	407.0
72.5°	511.6	415.7	409.9	363.4	337.2
75°	418.6	351.7	348.8	316.9	273.3
77.5°	328.5	279.1	284.9	255.8	200.6
80°	235.5	203.5	209.3	183.1	151.2
82.5°	157.0	133.7	139.5	116.3	101.7
85°	87.2	75.6	78.5	61.0	46.5
87.5°	40.7	34.9	34.9	23.3	14.5
90°	39.6	25.2	23.4	16.2	9.0
92.5°	244.5	173.9	158.6	97.3	36.0
95°	601.7	338.9	310.9	198.6	86.5
97.5°	810.5	372.2	347.5	248.5	149.6
100°	886.4	400.1	377.7	288.0	198.3
102.5°	921.2	428.0	407.1	323.5	239.7
105°	947.1	469.5	451.7	380.9	310.0
107.5°	951.9	530.8	514.2	448.2	382.1
110°	944.7	565.0	550.1	490.4	430.7



TEST NUMBER: P934779

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	945.1	606.5	592.3	535.4	478.5
115°	953.7	668.6	655.5	603.0	550.6
117.5°	971.4	729.0	717.1	669.5	621.8
120°	985.9	764.2	752.9	708.1	663.3
122.5°	1006.6	805.6	794.3	749.0	703.8
125°	1034.5	858.8	848.6	807.3	766.0
127.5°	1062.5	910.2	899.8	858.1	816.5
130°	1082.9	944.4	933.1	888.4	843.5
132.5°	1099.3	972.3	961.1	916.3	871.4
135°	1117.5	1004.8	994.6	953.7	912.9
137.5°	1144.5	1046.2	1036.2	995.6	955.2
140°	1161.0	1074.1	1064.8	1027.5	990.3
142.5°	1174.8	1094.9	1086.2	1051.8	1017.4
145°	1192.8	1126.5	1118.9	1088.9	1058.8
147.5°	1219.3	1166.1	1158.8	1129.6	1100.3
150°	1233.1	1186.8	1180.2	1153.8	1127.3
152.5°	1242.1	1200.3	1195.3	1175.3	1155.2
155°	1261.9	1230.0	1226.4	1211.5	1196.7
157.5°	1281.7	1259.8	1256.2	1241.8	1227.3
160°	1290.8	1273.4	1270.6	1259.3	1248.1
162.5°	1300.3	1287.7	1285.6	1277.2	1268.8
165°	1314.2	1308.4	1306.5	1298.9	1291.4
167.5°	1325.0	1320.2	1319.3	1315.6	1312.0
170°	1334.0	1333.7	1332.9	1329.2	1325.6
172.5°	1334.6	1334.6	1334.4	1333.5	1332.8
175°	1340.0	1342.7	1342.7	1342.7	1342.7
177.5°	1340.6	1342.7	1342.7	1342.7	1342.7
180°	1342.7	1342.7	1342.7	1342.7	1342.7



TEST NUMBER: P934779
 CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-12-3500K

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	12.43	13.27	13.40	14.26	15.56	15.28	16.12	16.26	17.11	18.41
	3H	12.90	13.66	13.89	14.66	15.98	16.63	17.39	17.62	18.38	19.71
	4H	13.09	13.81	14.09	14.81	16.14	17.08	17.79	18.08	18.79	20.13
	6H	13.21	13.87	14.22	14.88	16.22	17.37	18.03	18.38	19.03	20.38
	8H	13.21	13.84	14.23	14.86	16.20	17.44	18.07	18.46	19.09	20.43
	12H	13.18	13.78	14.20	14.80	16.16	17.49	18.08	18.51	19.10	20.46
4H	2H	13.46	14.18	14.47	15.18	16.51	15.69	16.40	16.69	17.40	18.73
	3H	14.49	15.08	15.50	16.12	17.46	17.20	17.79	18.21	18.82	20.17
	4H	14.76	15.31	15.79	16.33	17.70	17.73	18.27	18.75	19.30	20.66
	6H	14.89	15.36	15.92	16.40	17.77	18.10	18.57	19.13	19.61	20.98
	8H	14.89	15.33	15.93	16.37	17.75	18.21	18.64	19.24	19.68	21.06
	12H	14.86	15.25	15.91	16.31	17.69	18.27	18.66	19.32	19.72	21.10
8H	4H	15.22	15.66	16.25	16.70	18.08	17.85	18.29	18.89	19.33	20.71
	6H	15.48	15.84	16.54	16.92	18.30	18.29	18.65	19.35	19.73	21.11
	8H	15.52	15.84	16.59	16.91	18.30	18.45	18.76	19.51	19.83	21.23
	12H	15.51	15.79	16.58	16.85	18.28	18.55	18.83	19.62	19.89	21.33
12H	4H	15.23	15.62	16.28	16.67	18.06	17.81	18.21	18.87	19.26	20.65
	6H	15.54	15.86	16.61	16.93	18.32	18.29	18.61	19.35	19.67	21.07
	8H	15.61	15.89	16.68	16.95	18.39	18.45	18.73	19.52	19.79	21.23