

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: P935768

Luminaire Tested: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-5000K

Issue Date: 12/17/2024

**Test Information**

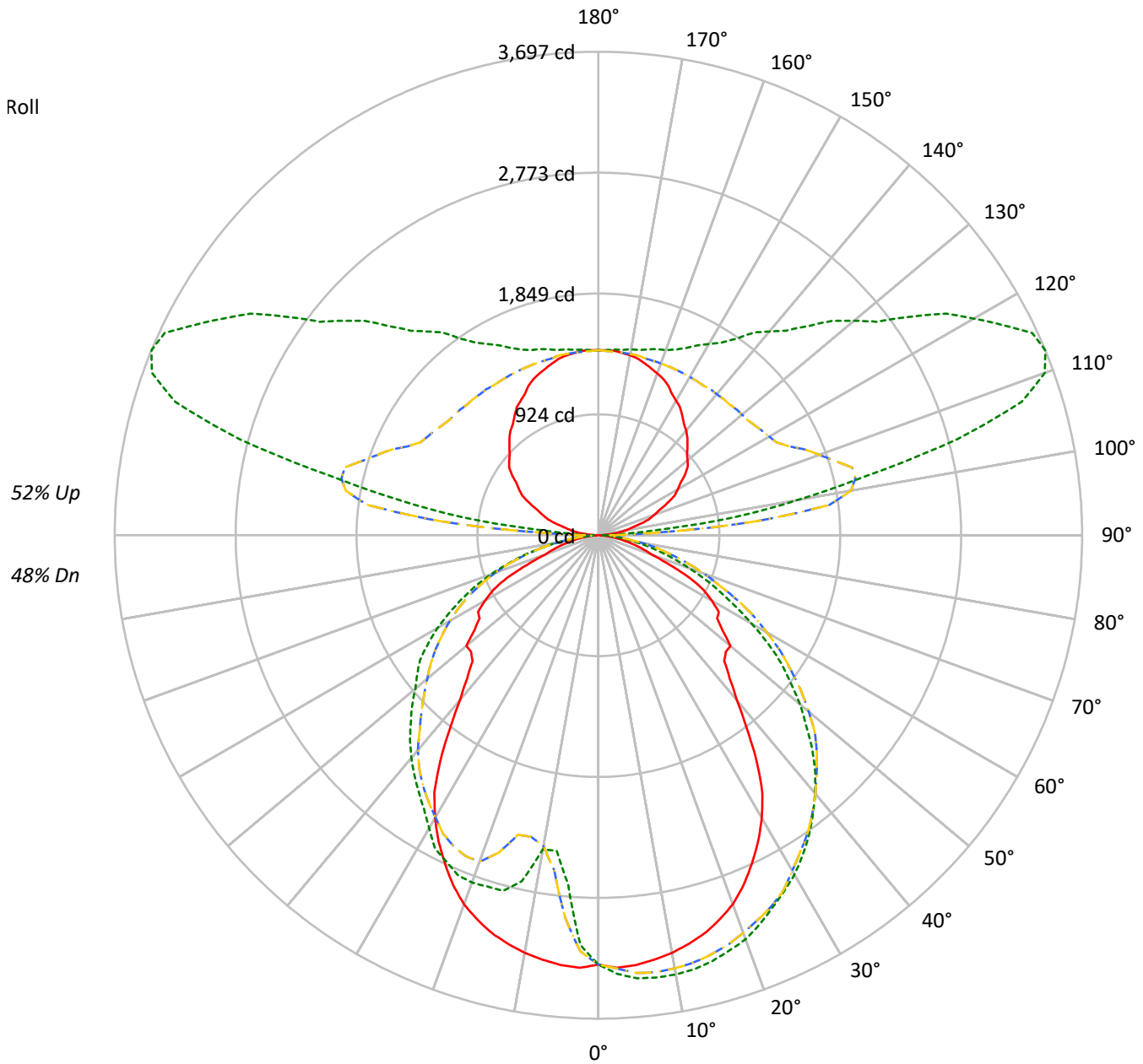
Test Method: LM-79-2019  
Report Number: P935768  
REPORT IS A COMBINATION OF REPORTS P933768 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-5000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17696.0 lumens  
Efficiency: N/A  
Efficacy: 117.7 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')  
CIE Type: General Diffuse  
  
Input Watts (W): 150.4  
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	50	30	10
RCR																				
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48	48	48
1	97	93	89	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41	41	41
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	41	39	34	34	34
3	81	71	64	58	74	66	60	55	56	51	47	46	43	40	38	35	33	29	29	29
4	74	63	55	49	68	59	52	46	50	44	40	41	37	34	34	31	28	25	25	25
5	68	56	48	42	62	52	45	40	44	39	35	37	33	30	30	27	25	21	21	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19	19	19
7	58	45	38	32	53	42	35	30	36	31	26	30	26	23	25	22	19	17	17	17
8	54	41	34	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	16	13	13	13
10	47	34	27	22	43	32	26	21	28	22	19	24	19	16	20	16	14	12	12	12

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	15231	15231	15231	15231
5°	15345	15375	15345	12089
10°	15242	15145	15242	10828
15°	15076	14817	15076	12372
20°	14761	14428	14761	12398
25°	14116	13861	14116	12135
30°	13282	13390	13282	11559
35°	11840	12795	11840	10925
40°	9866	12094	9866	10446
45°	8815	11274	8815	9895
50°	9365	10295	9365	9342
55°	8812	9241	8812	9022
60°	9083	7849	9083	8263
65°	8235	6488	8235	7252
70°	5702	5170	5702	6079
75°	4999	3822	4999	4576
80°	4029	2527	4029	2752
85°	2310	1339	2310	1138

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 13511 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	296.3	1.7
10°-20°	841.4	4.8
20°-30°	1300.6	7.3
30°-40°	1552.6	8.8
40°-50°	1561.7	8.8
50°-60°	1358.9	7.7
60°-70°	963.5	5.4
70°-80°	509.7	2.9
80°-90°	132.4	0.7
90°-100°	690.2	3.9
100°-110°	1814.6	10.3
110°-120°	1881.5	10.6
120°-130°	1509.2	8.5
130°-140°	1184.2	6.7
140°-150°	908.9	5.1
150°-160°	654.6	3.7
160°-170°	400.5	2.3
170°-180°	135.3	0.8
0°-30°	2438.3	13.8
0°-40°	3990.9	22.6
0°-60°	6911.5	39.1
0°-90°	8517.0	48.1
90°-120°	4386.3	24.8
90°-150°	7988.5	45.1
90°-180°	9179.0	51.9
0°-180°	17696.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3283	3283	3283	3283	3283	
5°	3298	3401	3298	2674	3298	313
15°	3149	3370	3149	2814	3149	886
25°	2774	3143	2774	2752	2774	1273
35°	2109	2804	2109	2394	2109	1305
45°	1360	2311	1360	2028	1360	1090
55°	1109	1705	1109	1665	1109	1019
65°	770	1028	770	1149	770	736
75°	292	488	292	584	292	307
85°	50	124	50	106	50	67
90°	10	36	10	36	10	10
95°	91	417	91	417	91	101
105°	327	2841	327	2841	327	347
115°	581	3659	581	3659	581	573
125°	808	2914	808	2914	808	717
135°	963	2261	963	2261	963	745
145°	1117	1834	1117	1834	1117	700
155°	1262	1579	1262	1579	1262	580
165°	1362	1471	1362	1471	1362	384
175°	1416	1426	1416	1426	1416	134
180°	1416	1416	1416	1416	1416	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8
2.5°	3310.7	3310.7	3329.3	3335.5	3335.5	3326.3	3316.9	3326.3	3354.2	3363.5	3360.4
5°	3298.3	3323.2	3357.3	3363.5	3369.7	3366.7	3360.4	3366.7	3397.7	3403.9	3407.0
7.5°	3273.4	3320.0	3363.5	3372.8	3382.2	3372.8	3369.7	3375.9	3407.0	3413.2	3413.2
10°	3242.4	3307.6	3357.3	3363.5	3372.8	3363.5	3363.5	3375.9	3407.0	3413.2	3416.3
12.5°	3198.9	3288.9	3335.5	3341.8	3354.2	3351.1	3348.0	3360.4	3391.4	3397.7	3397.7
15°	3149.3	3254.8	3298.3	3304.5	3326.3	3320.0	3320.0	3332.4	3366.7	3375.9	3372.8
17.5°	3080.9	3211.3	3261.0	3270.3	3285.9	3282.8	3285.9	3298.3	3329.3	3335.5	3338.7
20°	3003.2	3152.3	3211.3	3220.7	3236.2	3236.2	3236.2	3251.7	3282.8	3295.2	3295.2
22.5°	2897.6	3090.2	3152.3	3158.5	3177.2	3177.2	3183.4	3205.1	3233.0	3236.2	3236.2
25°	2773.5	3021.9	3074.6	3093.3	3111.9	3121.3	3130.6	3143.0	3152.3	3149.3	3152.3
27.5°	2643.0	2934.9	3003.2	3015.6	3040.5	3049.9	3062.3	3065.4	3068.5	3077.8	3071.5
30°	2497.0	2813.8	2916.3	2928.7	2969.1	2975.3	2962.9	2969.1	2984.6	2990.9	2997.0
32.5°	2332.4	2633.7	2826.2	2854.2	2891.5	2872.8	2869.7	2879.0	2903.9	2903.9	2910.1
35°	2108.8	2493.9	2742.3	2767.2	2795.1	2773.5	2785.8	2789.0	2804.5	2813.8	2810.7
37.5°	1863.5	2372.8	2655.4	2674.1	2695.8	2667.8	2686.5	2695.8	2708.2	2702.0	2702.0
40°	1646.1	2183.3	2552.9	2565.3	2584.0	2562.2	2580.8	2587.1	2593.3	2587.1	2584.0
42.5°	1484.6	1975.2	2444.2	2459.7	2447.3	2462.8	2469.1	2481.4	2472.2	2459.7	2459.7
45°	1360.3	1919.4	2326.2	2344.8	2326.2	2351.0	2360.4	2360.4	2332.4	2326.2	2323.1
47.5°	1319.9	1807.5	2208.2	2208.2	2198.9	2229.9	2245.4	2223.7	2195.8	2186.4	2186.4
50°	1316.8	1683.3	2046.6	2034.3	2077.8	2115.0	2099.5	2077.8	2056.0	2021.9	2021.9
52.5°	1195.7	1531.1	1838.6	1885.2	1953.5	1975.2	1950.4	1928.6	1891.4	1875.9	1863.5
55°	1108.8	1372.8	1649.2	1742.3	1813.7	1841.7	1795.1	1773.4	1717.5	1708.2	1702.0
57.5°	1090.1	1142.9	1475.2	1593.2	1680.2	1677.1	1649.2	1608.8	1562.2	1552.8	1549.8
60°	1000.0	826.1	1288.9	1428.7	1518.7	1509.4	1484.6	1447.3	1403.8	1397.6	1391.4
62.5°	906.9	599.4	1077.6	1236.0	1363.4	1360.3	1338.5	1282.7	1251.6	1236.0	1223.7
65°	770.2	503.2	767.1	1028.0	1211.3	1217.4	1170.9	1130.5	1096.3	1077.6	1074.6
67.5°	587.0	409.9	518.7	857.2	1065.3	1059.0	1000.0	981.4	938.0	928.6	910.0
70°	434.8	273.3	360.3	695.7	922.4	906.9	860.2	838.6	798.2	776.5	764.0
72.5°	360.3	220.5	264.0	540.4	776.5	757.8	717.5	692.6	658.4	639.8	627.3
75°	291.9	232.9	201.9	400.7	630.5	618.1	580.8	555.9	527.9	503.2	506.2
77.5°	214.3	217.4	161.5	295.0	500.1	481.4	459.7	428.6	416.2	391.3	391.3
80°	161.5	170.8	121.1	201.9	360.3	360.3	341.7	319.9	298.2	285.8	285.8
82.5°	108.7	108.7	90.0	127.4	245.4	236.0	223.6	217.4	205.0	198.8	198.8
85°	49.6	62.1	55.9	77.6	133.5	139.8	139.8	133.5	130.4	124.3	127.4
87.5°	15.5	28.0	34.1	43.5	68.4	71.4	74.5	74.5	74.5	77.6	77.6
90°	9.5	17.2	24.7	26.6	41.8	62.1	72.2	64.1	48.1	36.1	36.1
92.5°	38.0	102.6	167.3	183.4	257.9	357.1	406.7	356.4	255.9	180.5	173.4
95°	91.2	209.5	327.8	357.4	634.5	1004.1	1188.8	1060.9	804.9	612.9	591.2
97.5°	157.8	262.1	366.4	392.5	854.6	1470.9	1779.0	1698.1	1536.3	1415.0	1373.6
100°	209.1	303.7	398.3	422.0	934.8	1618.5	1960.5	1966.3	1978.2	1987.1	1937.8
102.5°	252.7	341.0	429.3	451.4	971.6	1665.1	2011.8	2114.8	2320.9	2475.5	2433.3
105°	326.9	401.7	476.4	495.1	998.7	1670.3	2006.1	2237.1	2699.1	3045.6	3023.0
107.5°	403.0	472.6	542.3	559.7	1003.8	1596.0	1892.0	2214.3	2858.8	3342.2	3347.7
110°	454.3	517.2	580.2	595.9	996.2	1530.1	1797.0	2157.3	2877.8	3418.1	3441.8



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	504.6	564.6	624.6	639.5	996.5	1472.5	1710.5	2079.2	2816.6	3369.7	3406.0
115°	580.6	636.0	691.2	705.1	1005.7	1406.6	1607.0	1962.1	2672.5	3205.3	3255.7
117.5°	655.7	706.0	756.2	768.8	1024.4	1365.3	1535.7	1856.2	2497.3	2978.2	3034.1
120°	699.4	746.7	794.0	805.8	1039.6	1351.3	1507.1	1800.1	2385.8	2825.2	2879.5
122.5°	742.1	789.9	837.6	849.5	1061.4	1344.0	1485.3	1749.0	2276.6	2672.2	2725.7
125°	807.8	851.3	894.8	905.6	1090.9	1338.0	1461.5	1685.6	2133.7	2469.8	2519.1
127.5°	861.0	904.9	948.8	959.8	1120.4	1334.5	1441.6	1634.0	2018.7	2307.3	2348.8
130°	889.4	936.8	984.0	995.9	1141.9	1336.6	1434.0	1605.2	1947.8	2204.7	2243.1
132.5°	918.9	966.2	1013.5	1025.3	1159.3	1338.0	1427.3	1580.6	1887.2	2117.2	2151.6
135°	962.7	1005.7	1048.8	1059.6	1178.3	1336.7	1415.9	1544.3	1801.1	1993.7	2023.3
137.5°	1007.3	1049.9	1092.6	1103.3	1206.9	1345.0	1414.0	1522.5	1739.7	1902.5	1926.8
140°	1044.3	1083.6	1122.9	1132.7	1224.3	1346.4	1407.4	1501.2	1688.7	1829.3	1852.0
142.5°	1072.9	1109.2	1145.5	1154.6	1238.8	1351.2	1407.4	1489.7	1654.4	1777.9	1797.5
145°	1116.6	1148.2	1180.0	1187.9	1257.9	1351.2	1397.8	1465.2	1600.0	1701.0	1715.8
147.5°	1160.3	1191.2	1222.0	1229.7	1285.8	1360.5	1397.8	1450.9	1556.9	1636.4	1648.6
150°	1188.8	1216.7	1244.6	1251.6	1300.3	1365.3	1397.8	1442.6	1532.2	1599.4	1609.3
152.5°	1218.2	1239.3	1260.5	1265.8	1309.8	1368.5	1397.8	1436.1	1512.5	1569.9	1577.4
155°	1262.0	1277.6	1293.2	1297.2	1330.7	1375.4	1397.8	1428.3	1489.1	1534.8	1539.7
157.5°	1294.3	1309.5	1324.7	1328.5	1351.6	1382.4	1397.8	1421.5	1468.8	1504.3	1507.8
160°	1316.2	1328.0	1339.8	1342.8	1361.1	1385.6	1397.8	1418.1	1458.7	1489.1	1491.1
162.5°	1338.0	1346.8	1355.7	1357.9	1371.2	1388.9	1397.8	1414.9	1449.1	1474.8	1476.8
165°	1361.8	1369.8	1377.8	1379.8	1385.8	1393.8	1397.8	1410.1	1434.6	1453.0	1455.0
167.5°	1383.6	1387.4	1391.2	1392.1	1397.2	1404.0	1407.4	1415.4	1431.4	1443.4	1444.3
170°	1397.8	1401.7	1405.5	1406.5	1406.7	1407.2	1407.4	1415.4	1431.4	1443.4	1443.4
172.5°	1405.4	1406.3	1407.2	1407.4	1407.4	1407.4	1407.4	1413.7	1426.4	1435.9	1435.2
175°	1415.9	1415.9	1415.9	1415.9	1413.1	1409.3	1407.4	1411.4	1419.4	1425.5	1425.5
177.5°	1415.9	1415.9	1415.9	1415.9	1413.7	1410.8	1409.3	1412.4	1418.8	1423.5	1422.7
180°	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8
2.5°	3366.7	3357.3	3366.7	3360.4	3363.5	3354.2	3326.3	3316.9	3326.3	3335.5	3335.5
5°	3407.0	3400.8	3407.0	3407.0	3403.9	3397.7	3366.7	3360.4	3366.7	3369.7	3363.5
7.5°	3419.4	3410.1	3419.4	3413.2	3413.2	3407.0	3375.9	3369.7	3372.8	3382.2	3372.8
10°	3419.4	3410.1	3419.4	3416.3	3413.2	3407.0	3375.9	3363.5	3363.5	3372.8	3363.5
12.5°	3403.9	3397.7	3403.9	3397.7	3397.7	3391.4	3360.4	3348.0	3351.1	3354.2	3341.8
15°	3379.0	3369.7	3379.0	3372.8	3375.9	3366.7	3332.4	3320.0	3320.0	3326.3	3304.5
17.5°	3341.8	3329.3	3341.8	3338.7	3335.5	3329.3	3298.3	3285.9	3282.8	3285.9	3270.3
20°	3298.3	3288.9	3298.3	3295.2	3295.2	3282.8	3251.7	3236.2	3236.2	3236.2	3220.7
22.5°	3229.9	3220.7	3229.9	3236.2	3236.2	3233.0	3205.1	3183.4	3177.2	3177.2	3158.5
25°	3152.3	3143.0	3152.3	3152.3	3149.3	3152.3	3143.0	3130.6	3121.3	3111.9	3093.3
27.5°	3077.8	3071.5	3077.8	3071.5	3077.8	3068.5	3065.4	3062.3	3049.9	3040.5	3015.6
30°	3003.2	2997.0	3003.2	2997.0	2990.9	2984.6	2969.1	2962.9	2975.3	2969.1	2928.7
32.5°	2910.1	2903.9	2910.1	2910.1	2903.9	2903.9	2879.0	2869.7	2872.8	2891.5	2854.2
35°	2813.8	2804.5	2813.8	2810.7	2813.8	2804.5	2789.0	2785.8	2773.5	2795.1	2767.2
37.5°	2702.0	2692.7	2702.0	2702.0	2702.0	2708.2	2695.8	2686.5	2667.8	2695.8	2674.1
40°	2587.1	2574.7	2587.1	2584.0	2587.1	2593.3	2587.1	2580.8	2562.2	2584.0	2565.3
42.5°	2456.7	2453.5	2456.7	2459.7	2459.7	2472.2	2481.4	2469.1	2462.8	2447.3	2459.7
45°	2316.9	2310.7	2316.9	2323.1	2326.2	2332.4	2360.4	2360.4	2351.0	2326.2	2344.8
47.5°	2167.8	2152.3	2167.8	2186.4	2186.4	2195.8	2223.7	2245.4	2229.9	2198.9	2208.2
50°	2009.4	2012.5	2009.4	2021.9	2021.9	2056.0	2077.8	2099.5	2115.0	2077.8	2034.3
52.5°	1854.1	1851.0	1854.1	1863.5	1875.9	1891.4	1928.6	1950.4	1975.2	1953.5	1885.2
55°	1698.8	1705.1	1698.8	1702.0	1708.2	1717.5	1773.4	1795.1	1841.7	1813.7	1742.3
57.5°	1543.6	1534.2	1543.6	1549.8	1552.8	1562.2	1608.8	1649.2	1677.1	1680.2	1593.2
60°	1363.4	1351.0	1363.4	1391.4	1397.6	1403.8	1447.3	1484.6	1509.4	1518.7	1428.7
62.5°	1205.0	1183.3	1205.0	1223.7	1236.0	1251.6	1282.7	1338.5	1360.3	1363.4	1236.0
65°	1037.3	1028.0	1037.3	1074.6	1077.6	1096.3	1130.5	1170.9	1217.4	1211.3	1028.0
67.5°	885.1	885.1	885.1	910.0	928.6	938.0	981.4	1000.0	1059.0	1065.3	857.2
70°	745.4	742.2	745.4	764.0	776.5	798.2	838.6	860.2	906.9	922.4	695.7
72.5°	611.8	608.7	611.8	627.3	639.8	658.4	692.6	717.5	757.8	776.5	540.4
75°	493.8	487.6	493.8	506.2	503.2	527.9	555.9	580.8	618.1	630.5	400.7
77.5°	378.9	378.9	378.9	391.3	391.3	416.2	428.6	459.7	481.4	500.1	295.0
80°	282.7	279.5	282.7	285.8	285.8	298.2	319.9	341.7	360.3	360.3	201.9
82.5°	198.8	192.5	198.8	198.8	198.8	205.0	217.4	223.6	236.0	245.4	127.4
85°	124.3	124.3	124.3	127.4	124.3	130.4	133.5	139.8	139.8	133.5	77.6
87.5°	80.8	77.6	80.8	77.6	77.6	74.5	74.5	74.5	71.4	68.4	43.5
90°	36.1	36.1	36.1	36.1	36.1	48.1	64.1	72.2	62.1	41.8	26.6
92.5°	144.6	115.9	144.6	173.4	180.5	255.9	356.4	406.7	357.1	257.9	183.4
95°	504.2	417.2	504.2	591.2	612.9	804.9	1060.9	1188.8	1004.1	634.5	357.4
97.5°	1208.1	1042.5	1208.1	1373.6	1415.0	1536.3	1698.1	1779.0	1470.9	854.6	392.5
100°	1740.5	1543.3	1740.5	1937.8	1987.1	1978.2	1966.3	1960.5	1618.5	934.8	422.0
102.5°	2264.3	2095.4	2264.3	2433.3	2475.5	2320.9	2114.8	2011.8	1665.1	971.6	451.4
105°	2932.1	2841.4	2932.1	3023.0	3045.6	2699.1	2237.1	2006.1	1670.3	998.7	495.1
107.5°	3369.6	3391.5	3369.6	3347.7	3342.2	2858.8	2214.3	1892.0	1596.0	1003.8	559.7
110°	3536.4	3631.0	3536.4	3441.8	3418.1	2877.8	2157.3	1797.0	1530.1	996.2	595.9





TEST NUMBER: P935768

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-5000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3551.3	3696.6	3551.3	3406.0	3369.7	2816.6	2079.2	1710.5	1472.5	996.5	639.5
115°	3457.1	3658.6	3457.1	3255.7	3205.3	2672.5	1962.1	1607.0	1406.6	1005.7	705.1
117.5°	3257.5	3480.9	3257.5	3034.1	2978.2	2497.3	1856.2	1535.7	1365.3	1024.4	768.8
120°	3096.6	3313.6	3096.6	2879.5	2825.2	2385.8	1800.1	1507.1	1351.3	1039.6	805.8
122.5°	2939.9	3154.0	2939.9	2725.7	2672.2	2276.6	1749.0	1485.3	1344.0	1061.4	849.5
125°	2716.4	2913.6	2716.4	2519.1	2469.8	2133.7	1685.6	1461.5	1338.0	1090.9	905.6
127.5°	2515.3	2681.7	2515.3	2348.8	2307.3	2018.7	1634.0	1441.6	1334.5	1120.4	959.8
130°	2396.8	2550.5	2396.8	2243.1	2204.7	1947.8	1605.2	1434.0	1336.6	1141.9	995.9
132.5°	2289.4	2427.0	2289.4	2151.6	2117.2	1887.2	1580.6	1427.3	1338.0	1159.3	1025.3
135°	2142.1	2260.7	2142.1	2023.3	1993.7	1801.1	1544.3	1415.9	1336.7	1178.3	1059.6
137.5°	2023.9	2121.1	2023.9	1926.8	1902.5	1739.7	1522.5	1414.0	1345.0	1206.9	1103.3
140°	1942.9	2033.6	1942.9	1852.0	1829.3	1688.7	1501.2	1407.4	1346.4	1224.3	1132.7
142.5°	1875.6	1953.8	1875.6	1797.5	1777.9	1654.4	1489.7	1407.4	1351.2	1238.8	1154.6
145°	1774.9	1834.0	1774.9	1715.8	1701.0	1600.0	1465.2	1397.8	1351.2	1257.9	1187.9
147.5°	1697.6	1746.6	1697.6	1648.6	1636.4	1556.9	1450.9	1397.8	1360.5	1285.8	1229.7
150°	1649.0	1688.7	1649.0	1609.3	1599.4	1532.2	1442.6	1397.8	1365.3	1300.3	1251.6
152.5°	1607.3	1637.4	1607.3	1577.4	1569.9	1512.5	1436.1	1397.8	1368.5	1309.8	1265.8
155°	1559.5	1579.4	1559.5	1539.7	1534.8	1489.1	1428.3	1397.8	1375.4	1330.7	1297.2
157.5°	1521.7	1535.7	1521.7	1507.8	1504.3	1468.8	1421.5	1397.8	1382.4	1351.6	1328.5
160°	1499.1	1507.1	1499.1	1491.1	1489.1	1458.7	1418.1	1397.8	1385.6	1361.1	1342.8
162.5°	1484.4	1492.0	1484.4	1476.8	1474.8	1449.1	1414.9	1397.8	1388.9	1371.2	1357.9
165°	1463.0	1471.1	1463.0	1455.0	1453.0	1434.6	1410.1	1397.8	1393.8	1385.8	1379.8
167.5°	1447.7	1451.1	1447.7	1444.3	1443.4	1431.4	1415.4	1407.4	1404.0	1397.2	1392.1
170°	1443.4	1443.4	1443.4	1443.4	1443.4	1431.4	1415.4	1407.4	1407.2	1406.7	1406.5
172.5°	1432.2	1429.2	1432.2	1435.2	1435.9	1426.4	1413.7	1407.4	1407.4	1407.4	1407.4
175°	1425.5	1425.5	1425.5	1425.5	1425.5	1419.4	1411.4	1407.4	1409.3	1413.1	1415.9
177.5°	1419.3	1415.9	1419.3	1422.7	1423.5	1418.8	1412.4	1409.3	1410.8	1413.7	1415.9
180°	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9



TEST NUMBER: P935768

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-5000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8
2.5°	3329.3	3310.7	3310.7	3279.7	3267.3	3257.9	3242.4	3195.8	3183.4	3170.9	3189.6
5°	3357.3	3323.2	3298.3	3242.4	3195.8	3177.2	3118.1	3006.4	2931.9	2875.9	2844.9
7.5°	3363.5	3320.0	3273.4	3186.5	3074.6	3025.0	2844.9	2639.8	2584.0	2534.3	2503.2
10°	3357.3	3307.6	3242.4	3111.9	2848.0	2761.0	2580.8	2447.3	2413.2	2403.8	2413.2
12.5°	3335.5	3288.9	3198.9	2981.5	2611.9	2552.9	2447.3	2369.7	2363.4	2379.0	2462.8
15°	3298.3	3254.8	3149.3	2807.6	2481.4	2438.0	2363.4	2335.5	2369.7	2478.4	2730.0
17.5°	3261.0	3211.3	3080.9	2636.8	2382.1	2351.0	2298.3	2354.2	2546.7	2692.7	2776.5
20°	3211.3	3152.3	3003.2	2512.6	2310.7	2282.7	2257.9	2509.4	2655.4	2708.2	2754.8
22.5°	3152.3	3090.2	2897.6	2425.6	2236.1	2214.4	2229.9	2596.4	2655.4	2692.7	2733.1
25°	3074.6	3021.9	2773.5	2357.3	2177.1	2152.3	2211.3	2587.1	2621.2	2630.6	2711.3
27.5°	3003.2	2934.9	2643.0	2295.2	2105.7	2096.4	2226.8	2546.7	2571.6	2580.8	2667.8
30°	2916.3	2813.8	2497.0	2229.9	2031.1	2028.0	2229.9	2497.0	2490.8	2515.7	2602.6
32.5°	2826.2	2633.7	2332.4	2149.1	1959.7	1956.6	2208.2	2422.4	2416.3	2450.4	2515.7
35°	2742.3	2493.9	2108.8	2056.0	1869.6	1872.7	2155.4	2335.5	2338.7	2369.7	2410.1
37.5°	2655.4	2372.8	1863.5	1953.5	1782.7	1782.7	2083.9	2254.8	2248.5	2257.9	2313.8
40°	2552.9	2183.3	1646.1	1820.0	1702.0	1692.6	1997.0	2167.8	2146.0	2143.0	2220.6
42.5°	2444.2	1975.2	1484.6	1642.9	1608.8	1596.3	1891.4	2062.2	2021.9	2031.1	2130.5
45°	2326.2	1919.4	1360.3	1388.3	1512.5	1503.2	1776.5	1941.1	1913.1	1938.0	2040.5
47.5°	2208.2	1807.5	1319.9	1152.3	1410.0	1406.9	1649.2	1823.1	1807.5	1832.4	1941.1
50°	2046.6	1683.3	1316.8	987.6	1295.1	1307.5	1496.9	1708.2	1708.2	1729.9	1844.8
52.5°	1838.6	1531.1	1195.7	894.5	1161.5	1198.8	1363.4	1608.8	1615.0	1636.7	1739.2
55°	1649.2	1372.8	1108.8	823.0	1003.1	1083.9	1233.0	1506.3	1518.7	1540.4	1633.6
57.5°	1475.2	1142.9	1090.1	739.2	857.2	934.9	1118.0	1406.9	1413.1	1431.8	1521.8
60°	1288.9	826.1	1000.0	649.1	729.8	788.9	1012.5	1288.9	1310.7	1323.0	1400.7
62.5°	1077.6	599.4	906.9	587.0	667.7	680.2	925.5	1177.0	1205.0	1214.4	1260.9
65°	767.1	503.2	770.2	534.2	602.5	605.6	832.3	1062.1	1087.0	1102.5	1136.7
67.5°	518.7	409.9	587.0	484.5	552.8	555.9	742.2	928.6	962.8	975.2	997.0
70°	360.3	273.3	434.8	431.7	496.9	503.2	646.0	807.5	838.6	847.9	860.2
72.5°	264.0	220.5	360.3	388.2	437.9	444.2	546.6	670.8	701.9	711.2	717.5
75°	201.9	232.9	291.9	338.5	372.7	375.8	447.2	546.6	568.3	574.6	577.7
77.5°	161.5	217.4	214.3	273.3	304.4	298.2	350.9	422.4	441.0	441.0	441.0
80°	121.1	170.8	161.5	195.7	223.6	217.4	251.5	301.3	307.4	313.7	310.5
82.5°	90.0	108.7	108.7	124.3	149.0	142.9	167.8	195.7	195.7	195.7	201.9
85°	55.9	62.1	49.6	65.2	83.9	80.8	93.1	105.6	108.7	108.7	102.5
87.5°	34.1	28.0	15.5	24.9	37.3	37.3	43.5	46.6	43.5	43.5	43.5
90°	24.7	17.2	9.5	17.2	24.7	26.6	41.8	62.1	72.2	64.1	48.1
92.5°	167.3	102.6	38.0	102.6	167.3	183.4	257.9	357.1	406.7	356.4	255.9
95°	327.8	209.5	91.2	209.5	327.8	357.4	634.5	1004.1	1188.8	1060.9	804.9
97.5°	366.4	262.1	157.8	262.1	366.4	392.5	854.6	1470.9	1779.0	1698.1	1536.3
100°	398.3	303.7	209.1	303.7	398.3	422.0	934.8	1618.5	1960.5	1966.3	1978.2
102.5°	429.3	341.0	252.7	341.0	429.3	451.4	971.6	1665.1	2011.8	2114.8	2320.9
105°	476.4	401.7	326.9	401.7	476.4	495.1	998.7	1670.3	2006.1	2237.1	2699.1
107.5°	542.3	472.6	403.0	472.6	542.3	559.7	1003.8	1596.0	1892.0	2214.3	2858.8
110°	580.2	517.2	454.3	517.2	580.2	595.9	996.2	1530.1	1797.0	2157.3	2877.8



TEST NUMBER: P935768

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-5000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	624.6	564.6	504.6	564.6	624.6	639.5	996.5	1472.5	1710.5	2079.2	2816.6
115°	691.2	636.0	580.6	636.0	691.2	705.1	1005.7	1406.6	1607.0	1962.1	2672.5
117.5°	756.2	706.0	655.7	706.0	756.2	768.8	1024.4	1365.3	1535.7	1856.2	2497.3
120°	794.0	746.7	699.4	746.7	794.0	805.8	1039.6	1351.3	1507.1	1800.1	2385.8
122.5°	837.6	789.9	742.1	789.9	837.6	849.5	1061.4	1344.0	1485.3	1749.0	2276.6
125°	894.8	851.3	807.8	851.3	894.8	905.6	1090.9	1338.0	1461.5	1685.6	2133.7
127.5°	948.8	904.9	861.0	904.9	948.8	959.8	1120.4	1334.5	1441.6	1634.0	2018.7
130°	984.0	936.8	889.4	936.8	984.0	995.9	1141.9	1336.6	1434.0	1605.2	1947.8
132.5°	1013.5	966.2	918.9	966.2	1013.5	1025.3	1159.3	1338.0	1427.3	1580.6	1887.2
135°	1048.8	1005.7	962.7	1005.7	1048.8	1059.6	1178.3	1336.7	1415.9	1544.3	1801.1
137.5°	1092.6	1049.9	1007.3	1049.9	1092.6	1103.3	1206.9	1345.0	1414.0	1522.5	1739.7
140°	1122.9	1083.6	1044.3	1083.6	1122.9	1132.7	1224.3	1346.4	1407.4	1501.2	1688.7
142.5°	1145.5	1109.2	1072.9	1109.2	1145.5	1154.6	1238.8	1351.2	1407.4	1489.7	1654.4
145°	1180.0	1148.2	1116.6	1148.2	1180.0	1187.9	1257.9	1351.2	1397.8	1465.2	1600.0
147.5°	1222.0	1191.2	1160.3	1191.2	1222.0	1229.7	1285.8	1360.5	1397.8	1450.9	1556.9
150°	1244.6	1216.7	1188.8	1216.7	1244.6	1251.6	1300.3	1365.3	1397.8	1442.6	1532.2
152.5°	1260.5	1239.3	1218.2	1239.3	1260.5	1265.8	1309.8	1368.5	1397.8	1436.1	1512.5
155°	1293.2	1277.6	1262.0	1277.6	1293.2	1297.2	1330.7	1375.4	1397.8	1428.3	1489.1
157.5°	1324.7	1309.5	1294.3	1309.5	1324.7	1328.5	1351.6	1382.4	1397.8	1421.5	1468.8
160°	1339.8	1328.0	1316.2	1328.0	1339.8	1342.8	1361.1	1385.6	1397.8	1418.1	1458.7
162.5°	1355.7	1346.8	1338.0	1346.8	1355.7	1357.9	1371.2	1388.9	1397.8	1414.9	1449.1
165°	1377.8	1369.8	1361.8	1369.8	1377.8	1379.8	1385.8	1393.8	1397.8	1410.1	1434.6
167.5°	1391.2	1387.4	1383.6	1387.4	1391.2	1392.1	1397.2	1404.0	1407.4	1415.4	1431.4
170°	1405.5	1401.7	1397.8	1401.7	1405.5	1406.5	1406.7	1407.2	1407.4	1415.4	1431.4
172.5°	1407.2	1406.3	1405.4	1406.3	1407.2	1407.4	1407.4	1407.4	1407.4	1413.7	1426.4
175°	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1413.1	1409.3	1407.4	1411.4	1419.4
177.5°	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1413.7	1410.8	1409.3	1412.4	1418.8
180°	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9



TEST NUMBER: P935768

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8
2.5°	3167.9	3158.5	3170.9	3136.8	3170.9	3158.5	3167.9	3189.6	3170.9	3183.4	3195.8
5°	2779.6	2764.1	2714.5	2674.1	2714.5	2764.1	2779.6	2844.9	2875.9	2931.9	3006.4
7.5°	2484.6	2472.2	2459.7	2434.9	2459.7	2472.2	2484.6	2503.2	2534.3	2584.0	2639.8
10°	2419.4	2422.4	2441.1	2438.0	2441.1	2422.4	2419.4	2413.2	2403.8	2413.2	2447.3
12.5°	2587.1	2615.1	2717.5	2711.3	2717.5	2615.1	2587.1	2462.8	2379.0	2363.4	2369.7
15°	2779.6	2789.0	2810.7	2813.8	2810.7	2789.0	2779.6	2730.0	2478.4	2369.7	2335.5
17.5°	2798.2	2801.4	2816.9	2816.9	2816.9	2801.4	2798.2	2776.5	2692.7	2546.7	2354.2
20°	2782.7	2789.0	2820.0	2826.2	2820.0	2789.0	2782.7	2754.8	2708.2	2655.4	2509.4
22.5°	2776.5	2789.0	2813.8	2810.7	2813.8	2789.0	2776.5	2733.1	2692.7	2655.4	2596.4
25°	2745.5	2745.5	2748.6	2751.7	2748.6	2745.5	2745.5	2711.3	2630.6	2621.2	2587.1
27.5°	2680.2	2686.5	2705.1	2702.0	2705.1	2686.5	2680.2	2667.8	2580.8	2571.6	2546.7
30°	2621.2	2615.1	2599.5	2587.1	2599.5	2615.1	2621.2	2602.6	2515.7	2490.8	2497.0
32.5°	2521.8	2506.3	2490.8	2481.4	2490.8	2506.3	2521.8	2515.7	2450.4	2416.3	2422.4
35°	2403.8	2406.9	2403.8	2394.5	2403.8	2406.9	2403.8	2410.1	2369.7	2338.7	2335.5
37.5°	2320.0	2326.2	2323.1	2310.7	2323.1	2326.2	2320.0	2313.8	2257.9	2248.5	2254.8
40°	2233.0	2236.1	2233.0	2223.7	2233.0	2236.1	2233.0	2220.6	2143.0	2146.0	2167.8
42.5°	2149.1	2146.0	2136.8	2130.5	2136.8	2146.0	2149.1	2130.5	2031.1	2021.9	2062.2
45°	2052.9	2056.0	2037.4	2028.0	2037.4	2056.0	2052.9	2040.5	1938.0	1913.1	1941.1
47.5°	1956.6	1956.6	1941.1	1931.7	1941.1	1956.6	1956.6	1941.1	1832.4	1807.5	1823.1
50°	1854.1	1851.0	1829.2	1826.2	1829.2	1851.0	1854.1	1844.8	1729.9	1708.2	1708.2
52.5°	1736.1	1736.1	1739.2	1745.5	1739.2	1736.1	1736.1	1739.2	1636.7	1615.0	1608.8
55°	1633.6	1636.7	1658.5	1664.7	1658.5	1636.7	1633.6	1633.6	1540.4	1518.7	1506.3
57.5°	1528.1	1528.1	1543.6	1543.6	1543.6	1528.1	1528.1	1521.8	1431.8	1413.1	1406.9
60°	1406.9	1413.1	1425.5	1422.4	1425.5	1413.1	1406.9	1400.7	1323.0	1310.7	1288.9
62.5°	1279.5	1285.8	1288.9	1282.7	1288.9	1285.8	1279.5	1260.9	1214.4	1205.0	1177.0
65°	1146.0	1152.3	1155.4	1149.1	1155.4	1152.3	1146.0	1136.7	1102.5	1087.0	1062.1
67.5°	1009.4	1006.3	1003.1	1015.6	1003.1	1006.3	1009.4	997.0	975.2	962.8	928.6
70°	869.6	869.6	866.5	872.7	866.5	869.6	869.6	860.2	847.9	838.6	807.5
72.5°	720.6	717.5	729.8	720.6	729.8	717.5	720.6	717.5	711.2	701.9	670.8
75°	574.6	580.8	574.6	583.8	574.6	580.8	574.6	577.7	574.6	568.3	546.6
77.5°	437.9	444.2	437.9	437.9	437.9	444.2	437.9	441.0	441.0	441.0	422.4
80°	310.5	307.4	307.4	304.4	307.4	307.4	310.5	310.5	313.7	307.4	301.3
82.5°	198.8	195.7	195.7	201.9	195.7	195.7	198.8	201.9	195.7	195.7	195.7
85°	108.7	111.8	105.6	105.6	105.6	111.8	108.7	102.5	108.7	108.7	105.6
87.5°	40.4	37.3	37.3	37.3	37.3	37.3	40.4	43.5	43.5	43.5	46.6
90°	36.1	36.1	36.1	36.1	36.1	36.1	36.1	48.1	64.1	72.2	62.1
92.5°	180.5	173.4	144.6	115.9	144.6	173.4	180.5	255.9	356.4	406.7	357.1
95°	612.9	591.2	504.2	417.2	504.2	591.2	612.9	804.9	1060.9	1188.8	1004.1
97.5°	1415.0	1373.6	1208.1	1042.5	1208.1	1373.6	1415.0	1536.3	1698.1	1779.0	1470.9
100°	1987.1	1937.8	1740.5	1543.3	1740.5	1937.8	1987.1	1978.2	1966.3	1960.5	1618.5
102.5°	2475.5	2433.3	2264.3	2095.4	2264.3	2433.3	2475.5	2320.9	2114.8	2011.8	1665.1
105°	3045.6	3023.0	2932.1	2841.4	2932.1	3023.0	3045.6	2699.1	2237.1	2006.1	1670.3
107.5°	3342.2	3347.7	3369.6	3391.5	3369.6	3347.7	3342.2	2858.8	2214.3	1892.0	1596.0
110°	3418.1	3441.8	3536.4	3631.0	3536.4	3441.8	3418.1	2877.8	2157.3	1797.0	1530.1



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3369.7	3406.0	3551.3	3696.6	3551.3	3406.0	3369.7	2816.6	2079.2	1710.5	1472.5
115°	3205.3	3255.7	3457.1	3658.6	3457.1	3255.7	3205.3	2672.5	1962.1	1607.0	1406.6
117.5°	2978.2	3034.1	3257.5	3480.9	3257.5	3034.1	2978.2	2497.3	1856.2	1535.7	1365.3
120°	2825.2	2879.5	3096.6	3313.6	3096.6	2879.5	2825.2	2385.8	1800.1	1507.1	1351.3
122.5°	2672.2	2725.7	2939.9	3154.0	2939.9	2725.7	2672.2	2276.6	1749.0	1485.3	1344.0
125°	2469.8	2519.1	2716.4	2913.6	2716.4	2519.1	2469.8	2133.7	1685.6	1461.5	1338.0
127.5°	2307.3	2348.8	2515.3	2681.7	2515.3	2348.8	2307.3	2018.7	1634.0	1441.6	1334.5
130°	2204.7	2243.1	2396.8	2550.5	2396.8	2243.1	2204.7	1947.8	1605.2	1434.0	1336.6
132.5°	2117.2	2151.6	2289.4	2427.0	2289.4	2151.6	2117.2	1887.2	1580.6	1427.3	1338.0
135°	1993.7	2023.3	2142.1	2260.7	2142.1	2023.3	1993.7	1801.1	1544.3	1415.9	1336.7
137.5°	1902.5	1926.8	2023.9	2121.1	2023.9	1926.8	1902.5	1739.7	1522.5	1414.0	1345.0
140°	1829.3	1852.0	1942.9	2033.6	1942.9	1852.0	1829.3	1688.7	1501.2	1407.4	1346.4
142.5°	1777.9	1797.5	1875.6	1953.8	1875.6	1797.5	1777.9	1654.4	1489.7	1407.4	1351.2
145°	1701.0	1715.8	1774.9	1834.0	1774.9	1715.8	1701.0	1600.0	1465.2	1397.8	1351.2
147.5°	1636.4	1648.6	1697.6	1746.6	1697.6	1648.6	1636.4	1556.9	1450.9	1397.8	1360.5
150°	1599.4	1609.3	1649.0	1688.7	1649.0	1609.3	1599.4	1532.2	1442.6	1397.8	1365.3
152.5°	1569.9	1577.4	1607.3	1637.4	1607.3	1577.4	1569.9	1512.5	1436.1	1397.8	1368.5
155°	1534.8	1539.7	1559.5	1579.4	1559.5	1539.7	1534.8	1489.1	1428.3	1397.8	1375.4
157.5°	1504.3	1507.8	1521.7	1535.7	1521.7	1507.8	1504.3	1468.8	1421.5	1397.8	1382.4
160°	1489.1	1491.1	1499.1	1507.1	1499.1	1491.1	1489.1	1458.7	1418.1	1397.8	1385.6
162.5°	1474.8	1476.8	1484.4	1492.0	1484.4	1476.8	1474.8	1449.1	1414.9	1397.8	1388.9
165°	1453.0	1455.0	1463.0	1471.1	1463.0	1455.0	1453.0	1434.6	1410.1	1397.8	1393.8
167.5°	1443.4	1444.3	1447.7	1451.1	1447.7	1444.3	1443.4	1431.4	1415.4	1407.4	1404.0
170°	1443.4	1443.4	1443.4	1443.4	1443.4	1443.4	1443.4	1431.4	1415.4	1407.4	1407.2
172.5°	1435.9	1435.2	1432.2	1429.2	1432.2	1435.2	1435.9	1426.4	1413.7	1407.4	1407.4
175°	1425.5	1425.5	1425.5	1425.5	1425.5	1425.5	1425.5	1419.4	1411.4	1407.4	1409.3
177.5°	1423.5	1422.7	1419.3	1415.9	1419.3	1422.7	1423.5	1418.8	1412.4	1409.3	1410.8
180°	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	3282.8	3282.8	3282.8	3282.8	3282.8
2.5°	3242.4	3257.9	3267.3	3279.7	3310.7
5°	3118.1	3177.2	3195.8	3242.4	3298.3
7.5°	2844.9	3025.0	3074.6	3186.5	3273.4
10°	2580.8	2761.0	2848.0	3111.9	3242.4
12.5°	2447.3	2552.9	2611.9	2981.5	3198.9
15°	2363.4	2438.0	2481.4	2807.6	3149.3
17.5°	2298.3	2351.0	2382.1	2636.8	3080.9
20°	2257.9	2282.7	2310.7	2512.6	3003.2
22.5°	2229.9	2214.4	2236.1	2425.6	2897.6
25°	2211.3	2152.3	2177.1	2357.3	2773.5
27.5°	2226.8	2096.4	2105.7	2295.2	2643.0
30°	2229.9	2028.0	2031.1	2229.9	2497.0
32.5°	2208.2	1956.6	1959.7	2149.1	2332.4
35°	2155.4	1872.7	1869.6	2056.0	2108.8
37.5°	2083.9	1782.7	1782.7	1953.5	1863.5
40°	1997.0	1692.6	1702.0	1820.0	1646.1
42.5°	1891.4	1596.3	1608.8	1642.9	1484.6
45°	1776.5	1503.2	1512.5	1388.3	1360.3
47.5°	1649.2	1406.9	1410.0	1152.3	1319.9
50°	1496.9	1307.5	1295.1	987.6	1316.8
52.5°	1363.4	1198.8	1161.5	894.5	1195.7
55°	1233.0	1083.9	1003.1	823.0	1108.8
57.5°	1118.0	934.9	857.2	739.2	1090.1
60°	1012.5	788.9	729.8	649.1	1000.0
62.5°	925.5	680.2	667.7	587.0	906.9
65°	832.3	605.6	602.5	534.2	770.2
67.5°	742.2	555.9	552.8	484.5	587.0
70°	646.0	503.2	496.9	431.7	434.8
72.5°	546.6	444.2	437.9	388.2	360.3
75°	447.2	375.8	372.7	338.5	291.9
77.5°	350.9	298.2	304.4	273.3	214.3
80°	251.5	217.4	223.6	195.7	161.5
82.5°	167.8	142.9	149.0	124.3	108.7
85°	93.1	80.8	83.9	65.2	49.6
87.5°	43.5	37.3	37.3	24.9	15.5
90°	41.8	26.6	24.7	17.2	9.5
92.5°	257.9	183.4	167.3	102.6	38.0
95°	634.5	357.4	327.8	209.5	91.2
97.5°	854.6	392.5	366.4	262.1	157.8
100°	934.8	422.0	398.3	303.7	209.1
102.5°	971.6	451.4	429.3	341.0	252.7
105°	998.7	495.1	476.4	401.7	326.9
107.5°	1003.8	559.7	542.3	472.6	403.0
110°	996.2	595.9	580.2	517.2	454.3



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CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	996.5	639.5	624.6	564.6	504.6
115°	1005.7	705.1	691.2	636.0	580.6
117.5°	1024.4	768.8	756.2	706.0	655.7
120°	1039.6	805.8	794.0	746.7	699.4
122.5°	1061.4	849.5	837.6	789.9	742.1
125°	1090.9	905.6	894.8	851.3	807.8
127.5°	1120.4	959.8	948.8	904.9	861.0
130°	1141.9	995.9	984.0	936.8	889.4
132.5°	1159.3	1025.3	1013.5	966.2	918.9
135°	1178.3	1059.6	1048.8	1005.7	962.7
137.5°	1206.9	1103.3	1092.6	1049.9	1007.3
140°	1224.3	1132.7	1122.9	1083.6	1044.3
142.5°	1238.8	1154.6	1145.5	1109.2	1072.9
145°	1257.9	1187.9	1180.0	1148.2	1116.6
147.5°	1285.8	1229.7	1222.0	1191.2	1160.3
150°	1300.3	1251.6	1244.6	1216.7	1188.8
152.5°	1309.8	1265.8	1260.5	1239.3	1218.2
155°	1330.7	1297.2	1293.2	1277.6	1262.0
157.5°	1351.6	1328.5	1324.7	1309.5	1294.3
160°	1361.1	1342.8	1339.8	1328.0	1316.2
162.5°	1371.2	1357.9	1355.7	1346.8	1338.0
165°	1385.8	1379.8	1377.8	1369.8	1361.8
167.5°	1397.2	1392.1	1391.2	1387.4	1383.6
170°	1406.7	1406.5	1405.5	1401.7	1397.8
172.5°	1407.4	1407.4	1407.2	1406.3	1405.4
175°	1413.1	1415.9	1415.9	1415.9	1415.9
177.5°	1413.7	1415.9	1415.9	1415.9	1415.9
180°	1415.9	1415.9	1415.9	1415.9	1415.9



TEST NUMBER: P935768  
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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	14.09	14.94	15.07	15.93	17.22	16.93	17.78	17.90	18.76	20.06
	3H	14.57	15.33	15.55	16.32	17.64	18.28	19.03	19.26	20.03	21.35
	4H	14.76	15.48	15.76	16.48	17.80	18.72	19.44	19.72	20.44	21.77
	6H	14.88	15.54	15.89	16.54	17.88	19.01	19.67	20.02	20.67	22.01
	8H	14.88	15.51	15.89	16.53	17.86	19.08	19.71	20.10	20.73	22.07
	12H	14.85	15.45	15.87	16.46	17.82	19.12	19.72	20.14	20.74	22.10
4H	2H	15.13	15.84	16.13	16.84	18.17	17.34	18.05	18.34	19.05	20.38
	3H	16.15	16.75	17.16	17.78	19.12	18.84	19.44	19.86	20.47	21.81
	4H	16.43	16.97	17.45	17.99	19.36	19.37	19.92	20.39	20.94	22.30
	6H	16.55	17.02	17.58	18.06	19.43	19.74	20.21	20.77	21.25	22.61
	8H	16.56	16.99	17.59	18.03	19.41	19.85	20.29	20.88	21.32	22.70
	12H	16.52	16.92	17.57	17.97	19.35	19.90	20.30	20.96	21.35	22.73
8H	4H	16.88	17.32	17.91	18.36	19.73	19.50	19.94	20.53	20.97	22.35
	6H	17.14	17.50	18.20	18.58	19.96	19.93	20.30	20.99	21.38	22.75
	8H	17.18	17.50	18.25	18.57	19.96	20.09	20.41	21.15	21.47	22.86
	12H	17.17	17.45	18.23	18.51	19.94	20.19	20.47	21.25	21.53	22.96
12H	4H	16.89	17.28	17.94	18.33	19.72	19.46	19.86	20.51	20.91	22.29
	6H	17.20	17.52	18.27	18.59	19.98	19.93	20.25	21.00	21.31	22.71
	8H	17.27	17.55	18.34	18.61	20.04	20.09	20.37	21.16	21.43	22.87