

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: P935808

Luminaire Tested: SQ4-FA-125U-125D-B50-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935808
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-B50-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

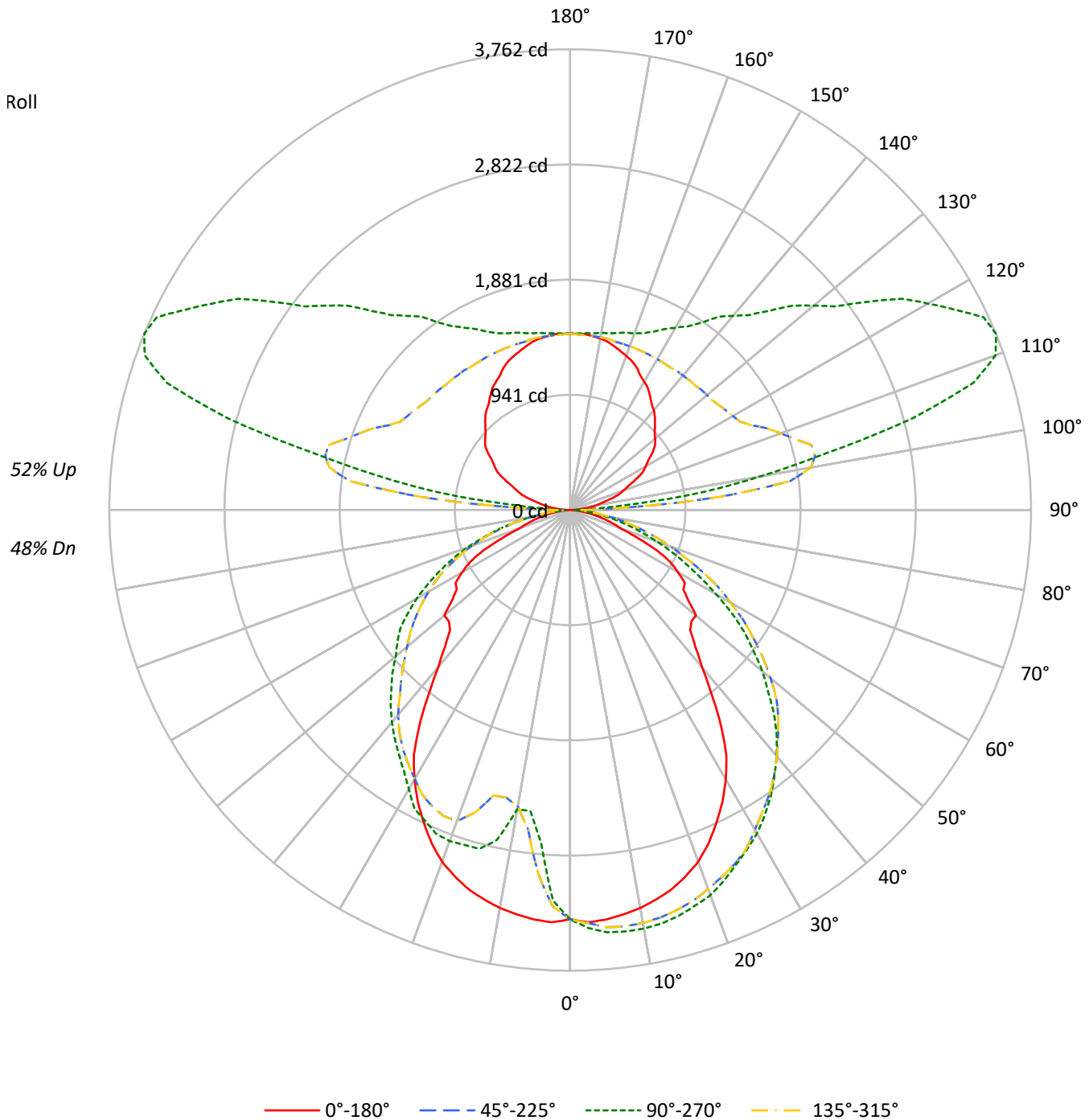
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18010.3 lumens
Efficiency: N/A
Efficacy: 119.7 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





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	0
RCR																					
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48	48	48	48
1	97	93	89	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41	41	41	41
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	41	39	34	34	34	34
3	81	71	64	58	74	66	60	55	56	51	47	46	43	40	38	35	33	29	29	29	29
4	74	63	55	49	68	59	52	46	50	44	40	41	37	34	34	31	28	25	25	25	25
5	68	56	48	42	62	52	45	40	44	39	35	37	33	30	30	27	25	21	21	21	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19	19	19	19
7	58	45	38	32	53	42	35	30	36	31	26	30	26	23	25	22	19	17	17	17	17
8	54	41	34	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	16	13	13	13	13
10	47	34	27	22	43	32	26	21	28	22	19	24	19	16	20	16	14	12	12	12	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15501	15501	15501	15501
5°	15617	15648	15617	12304
10°	15513	15414	15513	11020
15°	15344	15080	15344	12592
20°	15023	14684	15023	12618
25°	14366	14108	14366	12351
30°	13518	13628	13518	11764
35°	12050	13022	12050	11119
40°	10041	12309	10041	10631
45°	8972	11474	8972	10070
50°	9532	10478	9532	9509
55°	8968	9406	8968	9183
60°	9244	7988	9244	8410
65°	8381	6603	8381	7382
70°	5803	5262	5803	6187
75°	5088	3889	5088	4658
80°	4102	2572	4102	2801
85°	2352	1363	2352	1158

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13751 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.6	1.7
10°-20°	856.3	4.8
20°-30°	1323.7	7.3
30°-40°	1580.2	8.8
40°-50°	1589.5	8.8
50°-60°	1383.0	7.7
60°-70°	980.6	5.4
70°-80°	518.8	2.9
80°-90°	134.7	0.7
90°-100°	702.5	3.9
100°-110°	1846.8	10.3
110°-120°	1914.9	10.6
120°-130°	1536.0	8.5
130°-140°	1205.2	6.7
140°-150°	925.0	5.1
150°-160°	666.2	3.7
160°-170°	407.6	2.3
170°-180°	137.7	0.8
0°-30°	2481.6	13.8
0°-40°	4061.8	22.6
0°-60°	7034.3	39.1
0°-90°	8668.4	48.1
90°-120°	4464.2	24.8
90°-150°	8130.5	45.1
90°-180°	9342.0	51.9
0°-180°	18010.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3341	3341	3341	3341	3341	
5°	3357	3461	3357	2722	3357	318
15°	3205	3430	3205	2864	3205	902
25°	2823	3199	2823	2801	2823	1296
35°	2146	2854	2146	2437	2146	1328
45°	1384	2352	1384	2064	1384	1109
55°	1128	1735	1128	1694	1128	1037
65°	784	1046	784	1170	784	749
75°	297	496	297	594	297	312
85°	50	126	50	108	50	68
90°	10	37	10	37	10	10
95°	93	425	93	425	93	103
105°	333	2892	333	2892	333	353
115°	591	3724	591	3724	591	584
125°	822	2965	822	2965	822	730
135°	980	2301	980	2301	980	758
145°	1136	1867	1136	1867	1136	712
155°	1284	1607	1284	1607	1284	590
165°	1386	1497	1386	1497	1386	391
175°	1441	1451	1441	1451	1441	137
180°	1441	1441	1441	1441	1441	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1
2.5°	3369.5	3369.5	3388.5	3394.8	3394.8	3385.4	3375.8	3385.4	3413.8	3423.3	3420.1
5°	3356.9	3382.2	3416.9	3423.3	3429.6	3426.5	3420.1	3426.5	3458.0	3464.4	3467.6
7.5°	3331.6	3379.0	3423.3	3432.7	3442.3	3432.7	3429.6	3435.9	3467.6	3473.8	3473.8
10°	3300.0	3366.4	3416.9	3423.3	3432.7	3423.3	3423.3	3435.9	3467.6	3473.8	3477.0
12.5°	3255.7	3347.4	3394.8	3401.2	3413.8	3410.6	3407.5	3420.1	3451.7	3458.0	3458.0
15°	3205.2	3312.6	3356.9	3363.2	3385.4	3379.0	3379.0	3391.6	3426.5	3435.9	3432.7
17.5°	3135.6	3268.3	3319.0	3328.4	3344.3	3341.1	3344.3	3356.9	3388.5	3394.8	3398.0
20°	3056.6	3208.3	3268.3	3277.9	3293.7	3293.7	3293.7	3309.4	3341.1	3353.7	3353.7
22.5°	2949.1	3145.2	3208.3	3214.6	3233.6	3233.6	3240.0	3262.1	3290.5	3293.7	3293.7
25°	2822.7	3075.6	3129.3	3148.2	3167.2	3176.7	3186.2	3198.9	3208.3	3205.2	3208.3
27.5°	2689.9	2987.0	3056.6	3069.2	3094.5	3104.1	3116.7	3119.8	3123.0	3132.4	3126.1
30°	2541.4	2863.8	2968.1	2980.8	3021.9	3028.1	3015.5	3021.9	3037.6	3044.0	3050.3
32.5°	2373.9	2680.5	2876.4	2904.9	2942.8	2923.9	2920.7	2930.1	2955.5	2955.5	2961.8
35°	2146.2	2538.2	2791.1	2816.4	2844.8	2822.7	2835.3	2838.5	2854.3	2863.8	2860.7
37.5°	1896.6	2415.0	2702.6	2721.6	2743.7	2715.2	2734.2	2743.7	2756.3	2750.0	2750.0
40°	1675.3	2222.1	2598.3	2610.9	2629.9	2607.7	2626.7	2633.0	2639.4	2633.0	2629.9
42.5°	1510.9	2010.3	2487.6	2503.4	2490.8	2506.6	2512.9	2525.5	2516.1	2503.4	2503.4
45°	1384.5	1953.5	2367.5	2386.5	2367.5	2392.8	2402.3	2402.3	2373.9	2367.5	2364.3
47.5°	1343.4	1839.6	2247.4	2247.4	2238.0	2269.5	2285.3	2263.2	2234.8	2225.3	2225.3
50°	1340.2	1713.2	2083.0	2070.4	2114.7	2152.6	2136.8	2114.7	2092.5	2057.8	2057.8
52.5°	1216.9	1558.3	1871.3	1918.7	1988.2	2010.3	1985.0	1962.9	1925.0	1909.2	1896.6
55°	1128.5	1397.2	1678.5	1773.3	1846.0	1874.4	1827.0	1804.9	1748.0	1738.5	1732.2
57.5°	1109.5	1163.2	1501.4	1621.5	1710.1	1706.9	1678.5	1637.4	1589.9	1580.4	1577.3
60°	1017.8	840.8	1311.8	1454.1	1545.7	1536.2	1510.9	1473.0	1428.7	1422.4	1416.1
62.5°	923.0	610.1	1096.8	1258.0	1387.6	1384.5	1362.3	1305.5	1273.9	1258.0	1245.4
65°	783.9	512.1	780.7	1046.3	1232.8	1239.0	1191.7	1150.6	1115.8	1096.8	1093.7
67.5°	597.4	417.2	527.9	872.4	1084.2	1077.8	1017.8	998.8	954.6	945.1	926.2
70°	442.5	278.1	366.7	708.1	938.8	923.0	875.5	853.5	812.4	790.3	777.6
72.5°	366.7	224.4	268.7	550.0	790.3	771.3	730.2	704.9	670.1	651.2	638.5
75°	297.1	237.0	205.5	407.8	641.7	629.0	591.1	565.8	537.3	512.1	515.2
77.5°	218.1	221.3	164.4	300.3	508.9	490.0	467.8	436.2	423.6	398.3	398.3
80°	164.4	173.8	123.3	205.5	366.7	366.7	347.7	325.6	303.5	290.8	290.8
82.5°	110.6	110.6	91.6	129.6	249.8	240.2	227.6	221.3	208.7	202.3	202.3
85°	50.5	63.2	56.9	79.0	135.9	142.2	142.2	135.9	132.7	126.5	129.6
87.5°	15.8	28.5	34.7	44.3	69.6	72.7	75.8	75.8	75.8	79.0	79.0
90°	9.7	17.5	25.1	27.1	42.6	63.2	73.5	65.3	48.9	36.7	36.7
92.5°	38.7	104.4	170.3	186.7	262.5	363.4	413.9	362.8	260.5	183.7	176.4
95°	92.8	213.2	333.6	363.7	645.8	1021.9	1209.9	1079.7	819.2	623.8	601.7
97.5°	160.6	266.8	372.9	399.5	869.8	1497.0	1810.6	1728.3	1563.6	1440.1	1398.0
100°	212.8	309.1	405.4	429.5	951.4	1647.3	1995.3	2001.3	2013.3	2022.4	1972.2
102.5°	257.2	347.1	436.9	459.4	988.8	1694.6	2047.5	2152.4	2362.2	2519.5	2476.5
105°	332.7	408.8	484.8	503.9	1016.5	1700.0	2041.7	2276.8	2747.1	3099.8	3076.7
107.5°	410.1	481.0	551.9	569.6	1021.6	1624.3	1925.6	2253.6	2909.6	3401.5	3407.1
110°	462.3	526.4	590.5	606.4	1014.0	1557.3	1829.0	2195.6	2928.9	3478.9	3503.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	513.6	574.6	635.7	650.9	1014.2	1498.7	1740.9	2116.2	2866.6	3429.6	3466.5
115°	590.9	647.3	703.5	717.6	1023.6	1431.5	1635.5	1997.0	2720.0	3262.3	3313.6
117.5°	667.3	718.5	769.6	782.4	1042.6	1389.5	1563.0	1889.2	2541.7	3031.1	3088.0
120°	711.8	760.0	808.1	820.1	1058.0	1375.3	1533.9	1832.0	2428.2	2875.4	2930.6
122.5°	755.3	803.9	852.5	864.6	1080.3	1367.8	1511.7	1780.1	2317.1	2719.7	2774.2
125°	822.1	866.4	910.6	921.7	1110.2	1361.8	1487.5	1715.6	2171.6	2513.7	2563.8
127.5°	876.3	921.0	965.7	976.9	1140.3	1358.2	1467.2	1663.0	2054.6	2348.3	2390.6
130°	905.2	953.4	1001.5	1013.6	1162.2	1360.4	1459.5	1633.8	1982.4	2243.8	2283.0
132.5°	935.2	983.4	1031.5	1043.6	1179.9	1361.8	1452.7	1608.7	1920.8	2154.8	2189.9
135°	979.8	1023.6	1067.5	1078.4	1199.3	1360.5	1441.1	1571.7	1833.1	2029.1	2059.3
137.5°	1025.2	1068.6	1112.0	1122.9	1228.3	1368.9	1439.1	1549.6	1770.6	1936.3	1961.0
140°	1062.9	1102.9	1142.8	1152.8	1246.0	1370.3	1432.4	1527.8	1718.7	1861.8	1884.9
142.5°	1091.9	1128.9	1165.8	1175.1	1260.8	1375.2	1432.4	1516.2	1683.8	1809.5	1829.4
145°	1136.4	1168.6	1200.9	1209.0	1280.2	1375.2	1422.7	1491.2	1628.4	1731.3	1746.3
147.5°	1180.9	1212.3	1243.7	1251.6	1308.6	1384.7	1422.7	1476.7	1584.5	1665.5	1677.9
150°	1209.9	1238.3	1266.7	1273.8	1323.4	1389.6	1422.7	1468.2	1559.4	1627.8	1637.9
152.5°	1239.9	1261.4	1282.8	1288.3	1333.1	1392.8	1422.7	1461.6	1539.4	1597.8	1605.5
155°	1284.4	1300.3	1316.2	1320.2	1354.4	1399.9	1422.7	1453.7	1515.6	1562.0	1567.1
157.5°	1317.3	1332.7	1348.2	1352.1	1375.6	1407.0	1422.7	1446.8	1494.9	1531.0	1534.6
160°	1339.5	1351.6	1363.6	1366.6	1385.3	1410.2	1422.7	1443.3	1484.6	1515.5	1517.6
162.5°	1361.8	1370.7	1379.8	1382.0	1395.6	1413.6	1422.7	1440.0	1474.9	1501.0	1503.0
165°	1386.0	1394.2	1402.3	1404.4	1410.4	1418.6	1422.7	1435.2	1460.1	1478.8	1480.9
167.5°	1408.2	1412.0	1415.9	1416.9	1422.0	1428.9	1432.4	1440.5	1456.9	1469.1	1469.9
170°	1422.7	1426.6	1430.5	1431.4	1431.7	1432.2	1432.4	1440.5	1456.9	1469.1	1469.1
172.5°	1430.4	1431.3	1432.2	1432.4	1432.4	1432.4	1432.4	1438.8	1451.7	1461.4	1460.7
175°	1441.1	1441.1	1441.1	1441.1	1438.2	1434.3	1432.4	1436.5	1444.6	1450.8	1450.8
177.5°	1441.1	1441.1	1441.1	1441.1	1438.8	1435.8	1434.3	1437.5	1444.0	1448.8	1448.0
180°	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1
2.5°	3426.5	3416.9	3426.5	3420.1	3423.3	3413.8	3385.4	3375.8	3385.4	3394.8	3394.8
5°	3467.6	3461.2	3467.6	3467.6	3464.4	3458.0	3426.5	3420.1	3426.5	3429.6	3423.3
7.5°	3480.2	3470.7	3480.2	3473.8	3473.8	3467.6	3435.9	3429.6	3432.7	3442.3	3432.7
10°	3480.2	3470.7	3480.2	3477.0	3473.8	3467.6	3435.9	3423.3	3423.3	3432.7	3423.3
12.5°	3464.4	3458.0	3464.4	3458.0	3458.0	3451.7	3420.1	3407.5	3410.6	3413.8	3401.2
15°	3439.1	3429.6	3439.1	3432.7	3435.9	3426.5	3391.6	3379.0	3379.0	3385.4	3363.2
17.5°	3401.2	3388.5	3401.2	3398.0	3394.8	3388.5	3356.9	3344.3	3341.1	3344.3	3328.4
20°	3356.9	3347.4	3356.9	3353.7	3353.7	3341.1	3309.4	3293.7	3293.7	3293.7	3277.9
22.5°	3287.3	3277.9	3287.3	3293.7	3293.7	3290.5	3262.1	3240.0	3233.6	3233.6	3214.6
25°	3208.3	3198.9	3208.3	3208.3	3205.2	3208.3	3198.9	3186.2	3176.7	3167.2	3148.2
27.5°	3132.4	3126.1	3132.4	3126.1	3132.4	3123.0	3119.8	3116.7	3104.1	3094.5	3069.2
30°	3056.6	3050.3	3056.6	3050.3	3044.0	3037.6	3021.9	3015.5	3028.1	3021.9	2980.8
32.5°	2961.8	2955.5	2961.8	2961.8	2955.5	2955.5	2930.1	2920.7	2923.9	2942.8	2904.9
35°	2863.8	2854.3	2863.8	2860.7	2863.8	2854.3	2838.5	2835.3	2822.7	2844.8	2816.4
37.5°	2750.0	2740.5	2750.0	2750.0	2750.0	2756.3	2743.7	2734.2	2715.2	2743.7	2721.6
40°	2633.0	2620.4	2633.0	2629.9	2633.0	2639.4	2633.0	2626.7	2607.7	2629.9	2610.9
42.5°	2500.3	2497.1	2500.3	2503.4	2503.4	2516.1	2525.5	2512.9	2506.6	2490.8	2503.4
45°	2358.1	2351.7	2358.1	2364.3	2367.5	2373.9	2402.3	2402.3	2392.8	2367.5	2386.5
47.5°	2206.3	2190.5	2206.3	2225.3	2225.3	2234.8	2263.2	2285.3	2269.5	2238.0	2247.4
50°	2045.1	2048.3	2045.1	2057.8	2057.8	2092.5	2114.7	2136.8	2152.6	2114.7	2070.4
52.5°	1887.1	1883.9	1887.1	1896.6	1909.2	1925.0	1962.9	1985.0	2010.3	1988.2	1918.7
55°	1729.0	1735.4	1729.0	1732.2	1738.5	1748.0	1804.9	1827.0	1874.4	1846.0	1773.3
57.5°	1571.0	1561.5	1571.0	1577.3	1580.4	1589.9	1637.4	1678.5	1706.9	1710.1	1621.5
60°	1387.6	1375.0	1387.6	1416.1	1422.4	1428.7	1473.0	1510.9	1536.2	1545.7	1454.1
62.5°	1226.4	1204.3	1226.4	1245.4	1258.0	1273.9	1305.5	1362.3	1384.5	1387.6	1258.0
65°	1055.7	1046.3	1055.7	1093.7	1096.8	1115.8	1150.6	1191.7	1239.0	1232.8	1046.3
67.5°	900.8	900.8	900.8	926.2	945.1	954.6	998.8	1017.8	1077.8	1084.2	872.4
70°	758.6	755.4	758.6	777.6	790.3	812.4	853.5	875.5	923.0	938.8	708.1
72.5°	622.7	619.5	622.7	638.5	651.2	670.1	704.9	730.2	771.3	790.3	550.0
75°	502.6	496.2	502.6	515.2	512.1	537.3	565.8	591.1	629.0	641.7	407.8
77.5°	385.6	385.6	385.6	398.3	398.3	423.6	436.2	467.8	490.0	508.9	300.3
80°	287.7	284.5	287.7	290.8	290.8	303.5	325.6	347.7	366.7	366.7	205.5
82.5°	202.3	196.0	202.3	202.3	202.3	208.7	221.3	227.6	240.2	249.8	129.6
85°	126.5	126.5	126.5	129.6	126.5	132.7	135.9	142.2	142.2	135.9	79.0
87.5°	82.2	79.0	82.2	79.0	79.0	75.8	75.8	75.8	72.7	69.6	44.3
90°	36.7	36.7	36.7	36.7	36.7	48.9	65.3	73.5	63.2	42.6	27.1
92.5°	147.2	118.0	147.2	176.4	183.7	260.5	362.8	413.9	363.4	262.5	186.7
95°	513.1	424.6	513.1	601.7	623.8	819.2	1079.7	1209.9	1021.9	645.8	363.7
97.5°	1229.5	1061.0	1229.5	1398.0	1440.1	1563.6	1728.3	1810.6	1497.0	869.8	399.5
100°	1771.4	1570.7	1771.4	1972.2	2022.4	2013.3	2001.3	1995.3	1647.3	951.4	429.5
102.5°	2304.6	2132.6	2304.6	2476.5	2519.5	2362.2	2152.4	2047.5	1694.6	988.8	459.4
105°	2984.2	2891.9	2984.2	3076.7	3099.8	2747.1	2276.8	2041.7	1700.0	1016.5	503.9
107.5°	3429.5	3451.8	3429.5	3407.1	3401.5	2909.6	2253.6	1925.6	1624.3	1021.6	569.6
110°	3599.3	3695.6	3599.3	3503.0	3478.9	2928.9	2195.6	1829.0	1557.3	1014.0	606.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3614.4	3762.2	3614.4	3466.5	3429.6	2866.6	2116.2	1740.9	1498.7	1014.2	650.9
115°	3518.6	3723.6	3518.6	3313.6	3262.3	2720.0	1997.0	1635.5	1431.5	1023.6	717.6
117.5°	3315.3	3542.8	3315.3	3088.0	3031.1	2541.7	1889.2	1563.0	1389.5	1042.6	782.4
120°	3151.6	3372.5	3151.6	2930.6	2875.4	2428.2	1832.0	1533.9	1375.3	1058.0	820.1
122.5°	2992.2	3210.1	2992.2	2774.2	2719.7	2317.1	1780.1	1511.7	1367.8	1080.3	864.6
125°	2764.6	2965.4	2764.6	2563.8	2513.7	2171.6	1715.6	1487.5	1361.8	1110.2	921.7
127.5°	2560.0	2729.3	2560.0	2390.6	2348.3	2054.6	1663.0	1467.2	1358.2	1140.3	976.9
130°	2439.4	2595.9	2439.4	2283.0	2243.8	1982.4	1633.8	1459.5	1360.4	1162.2	1013.6
132.5°	2330.0	2470.1	2330.0	2189.9	2154.8	1920.8	1608.7	1452.7	1361.8	1179.9	1043.6
135°	2180.1	2300.9	2180.1	2059.3	2029.1	1833.1	1571.7	1441.1	1360.5	1199.3	1078.4
137.5°	2059.8	2158.8	2059.8	1961.0	1936.3	1770.6	1549.6	1439.1	1368.9	1228.3	1122.9
140°	1977.4	2069.7	1977.4	1884.9	1861.8	1718.7	1527.8	1432.4	1370.3	1246.0	1152.8
142.5°	1908.9	1988.5	1908.9	1829.4	1809.5	1683.8	1516.2	1432.4	1375.2	1260.8	1175.1
145°	1806.4	1866.6	1806.4	1746.3	1731.3	1628.4	1491.2	1422.7	1375.2	1280.2	1209.0
147.5°	1727.8	1777.7	1727.8	1677.9	1665.5	1584.5	1476.7	1422.7	1384.7	1308.6	1251.6
150°	1678.3	1718.7	1678.3	1637.9	1627.8	1559.4	1468.2	1422.7	1389.6	1323.4	1273.8
152.5°	1635.9	1666.4	1635.9	1605.5	1597.8	1539.4	1461.6	1422.7	1392.8	1333.1	1288.3
155°	1587.2	1607.4	1587.2	1567.1	1562.0	1515.6	1453.7	1422.7	1399.9	1354.4	1320.2
157.5°	1548.8	1563.0	1548.8	1534.6	1531.0	1494.9	1446.8	1422.7	1407.0	1375.6	1352.1
160°	1525.7	1533.9	1525.7	1517.6	1515.5	1484.6	1443.3	1422.7	1410.2	1385.3	1366.6
162.5°	1510.7	1518.5	1510.7	1503.0	1501.0	1474.9	1440.0	1422.7	1413.6	1395.6	1382.0
165°	1489.0	1497.2	1489.0	1480.9	1478.8	1460.1	1435.2	1422.7	1418.6	1410.4	1404.4
167.5°	1473.4	1476.8	1473.4	1469.9	1469.1	1456.9	1440.5	1432.4	1428.9	1422.0	1416.9
170°	1469.1	1469.1	1469.1	1469.1	1469.1	1456.9	1440.5	1432.4	1432.2	1431.7	1431.4
172.5°	1457.6	1454.6	1457.6	1460.7	1461.4	1451.7	1438.8	1432.4	1432.4	1432.4	1432.4
175°	1450.8	1450.8	1450.8	1450.8	1450.8	1444.6	1436.5	1432.4	1434.3	1438.2	1441.1
177.5°	1444.5	1441.1	1444.5	1448.0	1448.8	1444.0	1437.5	1434.3	1435.8	1438.8	1441.1
180°	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1
2.5°	3388.5	3369.5	3369.5	3337.9	3325.3	3315.8	3300.0	3252.6	3240.0	3227.3	3246.3
5°	3416.9	3382.2	3356.9	3300.0	3252.6	3233.6	3173.5	3059.8	2983.9	2927.0	2895.4
7.5°	3423.3	3379.0	3331.6	3243.1	3129.3	3078.7	2895.4	2686.7	2629.9	2579.3	2547.7
10°	3416.9	3366.4	3300.0	3167.2	2898.6	2810.0	2626.7	2490.8	2456.0	2446.5	2456.0
12.5°	3394.8	3347.4	3255.7	3034.5	2658.4	2598.3	2490.8	2411.8	2405.4	2421.3	2506.6
15°	3356.9	3312.6	3205.2	2857.5	2525.5	2481.4	2405.4	2377.0	2411.8	2522.5	2778.5
17.5°	3319.0	3268.3	3135.6	2683.7	2424.4	2392.8	2339.1	2396.0	2591.9	2740.5	2825.8
20°	3268.3	3208.3	3056.6	2557.2	2351.7	2323.2	2298.0	2554.0	2702.6	2756.3	2803.8
22.5°	3208.3	3145.2	2949.1	2468.7	2275.9	2253.7	2269.5	2642.6	2702.6	2740.5	2781.6
25°	3129.3	3075.6	2822.7	2399.2	2215.8	2190.5	2250.6	2633.0	2667.8	2677.3	2759.5
27.5°	3056.6	2987.0	2689.9	2335.9	2143.1	2133.6	2266.4	2591.9	2617.3	2626.7	2715.2
30°	2968.1	2863.8	2541.4	2269.5	2067.2	2064.0	2269.5	2541.4	2535.1	2560.4	2648.8
32.5°	2876.4	2680.5	2373.9	2187.3	1994.6	1991.4	2247.4	2465.5	2459.2	2494.0	2560.4
35°	2791.1	2538.2	2146.2	2092.5	1902.8	1906.0	2193.7	2377.0	2380.2	2411.8	2452.9
37.5°	2702.6	2415.0	1896.6	1988.2	1814.4	1814.4	2120.9	2294.8	2288.5	2298.0	2354.9
40°	2598.3	2222.1	1675.3	1852.3	1732.2	1722.7	2032.5	2206.3	2184.2	2181.1	2260.1
42.5°	2487.6	2010.3	1510.9	1672.1	1637.4	1624.7	1925.0	2098.9	2057.8	2067.2	2168.4
45°	2367.5	1953.5	1384.5	1413.0	1539.3	1529.9	1808.0	1975.6	1947.1	1972.4	2076.7
47.5°	2247.4	1839.6	1343.4	1172.7	1435.1	1431.9	1678.5	1855.5	1839.6	1864.9	1975.6
50°	2083.0	1713.2	1340.2	1005.2	1318.1	1330.8	1523.5	1738.5	1738.5	1760.6	1877.6
52.5°	1871.3	1558.3	1216.9	910.4	1182.2	1220.1	1387.6	1637.4	1643.7	1665.8	1770.1
55°	1678.5	1397.2	1128.5	837.6	1021.0	1103.1	1254.9	1533.1	1545.7	1567.8	1662.6
57.5°	1501.4	1163.2	1109.5	752.3	872.4	951.5	1137.9	1431.9	1438.2	1457.2	1548.9
60°	1311.8	840.8	1017.8	660.6	742.8	802.9	1030.5	1311.8	1333.9	1346.5	1425.6
62.5°	1096.8	610.1	923.0	597.4	679.6	692.3	941.9	1197.9	1226.4	1236.0	1283.3
65°	780.7	512.1	783.9	543.7	613.2	616.3	847.1	1081.0	1106.3	1122.1	1156.9
67.5°	527.9	417.2	597.4	493.1	562.6	565.8	755.4	945.1	979.9	992.6	1014.7
70°	366.7	278.1	442.5	439.4	505.8	512.1	657.4	821.8	853.5	862.9	875.5
72.5°	268.7	224.4	366.7	395.1	445.7	452.1	556.3	682.8	714.3	723.8	730.2
75°	205.5	237.0	297.1	344.6	379.3	382.5	455.1	556.3	578.4	584.8	588.0
77.5°	164.4	221.3	218.1	278.1	309.8	303.5	357.2	429.9	448.9	448.9	448.9
80°	123.3	173.8	164.4	199.1	227.6	221.3	256.0	306.6	312.9	319.2	316.1
82.5°	91.6	110.6	110.6	126.5	151.7	145.4	170.7	199.1	199.1	199.1	205.5
85°	56.9	63.2	50.5	66.4	85.4	82.2	94.8	107.5	110.6	110.6	104.3
87.5°	34.7	28.5	15.8	25.3	37.9	37.9	44.3	47.4	44.3	44.3	44.3
90°	25.1	17.5	9.7	17.5	25.1	27.1	42.6	63.2	73.5	65.3	48.9
92.5°	170.3	104.4	38.7	104.4	170.3	186.7	262.5	363.4	413.9	362.8	260.5
95°	333.6	213.2	92.8	213.2	333.6	363.7	645.8	1021.9	1209.9	1079.7	819.2
97.5°	372.9	266.8	160.6	266.8	372.9	399.5	869.8	1497.0	1810.6	1728.3	1563.6
100°	405.4	309.1	212.8	309.1	405.4	429.5	951.4	1647.3	1995.3	2001.3	2013.3
102.5°	436.9	347.1	257.2	347.1	436.9	459.4	988.8	1694.6	2047.5	2152.4	2362.2
105°	484.8	408.8	332.7	408.8	484.8	503.9	1016.5	1700.0	2041.7	2276.8	2747.1
107.5°	551.9	481.0	410.1	481.0	551.9	569.6	1021.6	1624.3	1925.6	2253.6	2909.6
110°	590.5	526.4	462.3	526.4	590.5	606.4	1014.0	1557.3	1829.0	2195.6	2928.9



TEST NUMBER: P935808

CATALOG NUMBER: SQ4-FA-125U-125D-B50-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	635.7	574.6	513.6	574.6	635.7	650.9	1014.2	1498.7	1740.9	2116.2	2866.6
115°	703.5	647.3	590.9	647.3	703.5	717.6	1023.6	1431.5	1635.5	1997.0	2720.0
117.5°	769.6	718.5	667.3	718.5	769.6	782.4	1042.6	1389.5	1563.0	1889.2	2541.7
120°	808.1	760.0	711.8	760.0	808.1	820.1	1058.0	1375.3	1533.9	1832.0	2428.2
122.5°	852.5	803.9	755.3	803.9	852.5	864.6	1080.3	1367.8	1511.7	1780.1	2317.1
125°	910.6	866.4	822.1	866.4	910.6	921.7	1110.2	1361.8	1487.5	1715.6	2171.6
127.5°	965.7	921.0	876.3	921.0	965.7	976.9	1140.3	1358.2	1467.2	1663.0	2054.6
130°	1001.5	953.4	905.2	953.4	1001.5	1013.6	1162.2	1360.4	1459.5	1633.8	1982.4
132.5°	1031.5	983.4	935.2	983.4	1031.5	1043.6	1179.9	1361.8	1452.7	1608.7	1920.8
135°	1067.5	1023.6	979.8	1023.6	1067.5	1078.4	1199.3	1360.5	1441.1	1571.7	1833.1
137.5°	1112.0	1068.6	1025.2	1068.6	1112.0	1122.9	1228.3	1368.9	1439.1	1549.6	1770.6
140°	1142.8	1102.9	1062.9	1102.9	1142.8	1152.8	1246.0	1370.3	1432.4	1527.8	1718.7
142.5°	1165.8	1128.9	1091.9	1128.9	1165.8	1175.1	1260.8	1375.2	1432.4	1516.2	1683.8
145°	1200.9	1168.6	1136.4	1168.6	1200.9	1209.0	1280.2	1375.2	1422.7	1491.2	1628.4
147.5°	1243.7	1212.3	1180.9	1212.3	1243.7	1251.6	1308.6	1384.7	1422.7	1476.7	1584.5
150°	1266.7	1238.3	1209.9	1238.3	1266.7	1273.8	1323.4	1389.6	1422.7	1468.2	1559.4
152.5°	1282.8	1261.4	1239.9	1261.4	1282.8	1288.3	1333.1	1392.8	1422.7	1461.6	1539.4
155°	1316.2	1300.3	1284.4	1300.3	1316.2	1320.2	1354.4	1399.9	1422.7	1453.7	1515.6
157.5°	1348.2	1332.7	1317.3	1332.7	1348.2	1352.1	1375.6	1407.0	1422.7	1446.8	1494.9
160°	1363.6	1351.6	1339.5	1351.6	1363.6	1366.6	1385.3	1410.2	1422.7	1443.3	1484.6
162.5°	1379.8	1370.7	1361.8	1370.7	1379.8	1382.0	1395.6	1413.6	1422.7	1440.0	1474.9
165°	1402.3	1394.2	1386.0	1394.2	1402.3	1404.4	1410.4	1418.6	1422.7	1435.2	1460.1
167.5°	1415.9	1412.0	1408.2	1412.0	1415.9	1416.9	1422.0	1428.9	1432.4	1440.5	1456.9
170°	1430.5	1426.6	1422.7	1426.6	1430.5	1431.4	1431.7	1432.2	1432.4	1440.5	1456.9
172.5°	1432.2	1431.3	1430.4	1431.3	1432.2	1432.4	1432.4	1432.4	1432.4	1438.8	1451.7
175°	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1438.2	1434.3	1432.4	1436.5	1444.6
177.5°	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1438.8	1435.8	1434.3	1437.5	1444.0
180°	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1



TEST NUMBER: P935808
 CATALOG NUMBER: SQ4-FA-125U-125D-B50-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1
2.5°	3224.2	3214.6	3227.3	3192.5	3227.3	3214.6	3224.2	3246.3	3227.3	3240.0	3252.6
5°	2829.0	2813.2	2762.7	2721.6	2762.7	2813.2	2829.0	2895.4	2927.0	2983.9	3059.8
7.5°	2528.7	2516.1	2503.4	2478.2	2503.4	2516.1	2528.7	2547.7	2579.3	2629.9	2686.7
10°	2462.4	2465.5	2484.4	2481.4	2484.4	2465.5	2462.4	2456.0	2446.5	2456.0	2490.8
12.5°	2633.0	2661.5	2765.8	2759.5	2765.8	2661.5	2633.0	2506.6	2421.3	2405.4	2411.8
15°	2829.0	2838.5	2860.7	2863.8	2860.7	2838.5	2829.0	2778.5	2522.5	2411.8	2377.0
17.5°	2848.0	2851.1	2866.9	2866.9	2866.9	2851.1	2848.0	2825.8	2740.5	2591.9	2396.0
20°	2832.2	2838.5	2870.1	2876.4	2870.1	2838.5	2832.2	2803.8	2756.3	2702.6	2554.0
22.5°	2825.8	2838.5	2863.8	2860.7	2863.8	2838.5	2825.8	2781.6	2740.5	2702.6	2642.6
25°	2794.2	2794.2	2797.4	2800.6	2797.4	2794.2	2794.2	2759.5	2677.3	2667.8	2633.0
27.5°	2727.8	2734.2	2753.2	2750.0	2753.2	2734.2	2727.8	2715.2	2626.7	2617.3	2591.9
30°	2667.8	2661.5	2645.6	2633.0	2645.6	2661.5	2667.8	2648.8	2560.4	2535.1	2541.4
32.5°	2566.6	2550.8	2535.1	2525.5	2535.1	2550.8	2566.6	2560.4	2494.0	2459.2	2465.5
35°	2446.5	2449.7	2446.5	2437.1	2446.5	2449.7	2446.5	2452.9	2411.8	2380.2	2377.0
37.5°	2361.2	2367.5	2364.3	2351.7	2364.3	2367.5	2361.2	2354.9	2298.0	2288.5	2294.8
40°	2272.7	2275.9	2272.7	2263.2	2272.7	2275.9	2272.7	2260.1	2181.1	2184.2	2206.3
42.5°	2187.3	2184.2	2174.7	2168.4	2174.7	2184.2	2187.3	2168.4	2067.2	2057.8	2098.9
45°	2089.4	2092.5	2073.6	2064.0	2073.6	2092.5	2089.4	2076.7	1972.4	1947.1	1975.6
47.5°	1991.4	1991.4	1975.6	1966.1	1975.6	1991.4	1991.4	1975.6	1864.9	1839.6	1855.5
50°	1887.1	1883.9	1861.7	1858.7	1861.7	1883.9	1887.1	1877.6	1760.6	1738.5	1738.5
52.5°	1766.9	1766.9	1770.1	1776.5	1770.1	1766.9	1766.9	1770.1	1665.8	1643.7	1637.4
55°	1662.6	1665.8	1687.9	1694.3	1687.9	1665.8	1662.6	1662.6	1567.8	1545.7	1533.1
57.5°	1555.2	1555.2	1571.0	1571.0	1571.0	1555.2	1555.2	1548.9	1457.2	1438.2	1431.9
60°	1431.9	1438.2	1450.9	1447.7	1450.9	1438.2	1431.9	1425.6	1346.5	1333.9	1311.8
62.5°	1302.3	1308.6	1311.8	1305.5	1311.8	1308.6	1302.3	1283.3	1236.0	1226.4	1197.9
65°	1166.4	1172.7	1175.9	1169.6	1175.9	1172.7	1166.4	1156.9	1122.1	1106.3	1081.0
67.5°	1027.3	1024.1	1021.0	1033.7	1021.0	1024.1	1027.3	1014.7	992.6	979.9	945.1
70°	885.1	885.1	881.9	888.2	881.9	885.1	885.1	875.5	862.9	853.5	821.8
72.5°	733.4	730.2	742.8	733.4	742.8	730.2	733.4	730.2	723.8	714.3	682.8
75°	584.8	591.1	584.8	594.2	584.8	591.1	584.8	588.0	584.8	578.4	556.3
77.5°	445.7	452.1	445.7	445.7	445.7	452.1	445.7	448.9	448.9	448.9	429.9
80°	316.1	312.9	312.9	309.8	312.9	312.9	316.1	316.1	319.2	312.9	306.6
82.5°	202.3	199.1	199.1	205.5	199.1	199.1	202.3	205.5	199.1	199.1	199.1
85°	110.6	113.8	107.5	107.5	107.5	113.8	110.6	104.3	110.6	110.6	107.5
87.5°	41.1	37.9	37.9	37.9	37.9	37.9	41.1	44.3	44.3	44.3	47.4
90°	36.7	36.7	36.7	36.7	36.7	36.7	36.7	48.9	65.3	73.5	63.2
92.5°	183.7	176.4	147.2	118.0	147.2	176.4	183.7	260.5	362.8	413.9	363.4
95°	623.8	601.7	513.1	424.6	513.1	601.7	623.8	819.2	1079.7	1209.9	1021.9
97.5°	1440.1	1398.0	1229.5	1061.0	1229.5	1398.0	1440.1	1563.6	1728.3	1810.6	1497.0
100°	2022.4	1972.2	1771.4	1570.7	1771.4	1972.2	2022.4	2013.3	2001.3	1995.3	1647.3
102.5°	2519.5	2476.5	2304.6	2132.6	2304.6	2476.5	2519.5	2362.2	2152.4	2047.5	1694.6
105°	3099.8	3076.7	2984.2	2891.9	2984.2	3076.7	3099.8	2747.1	2276.8	2041.7	1700.0
107.5°	3401.5	3407.1	3429.5	3451.8	3429.5	3407.1	3401.5	2909.6	2253.6	1925.6	1624.3
110°	3478.9	3503.0	3599.3	3695.6	3599.3	3503.0	3478.9	2928.9	2195.6	1829.0	1557.3



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3429.6	3466.5	3614.4	3762.2	3614.4	3466.5	3429.6	2866.6	2116.2	1740.9	1498.7
115°	3262.3	3313.6	3518.6	3723.6	3518.6	3313.6	3262.3	2720.0	1997.0	1635.5	1431.5
117.5°	3031.1	3088.0	3315.3	3542.8	3315.3	3088.0	3031.1	2541.7	1889.2	1563.0	1389.5
120°	2875.4	2930.6	3151.6	3372.5	3151.6	2930.6	2875.4	2428.2	1832.0	1533.9	1375.3
122.5°	2719.7	2774.2	2992.2	3210.1	2992.2	2774.2	2719.7	2317.1	1780.1	1511.7	1367.8
125°	2513.7	2563.8	2764.6	2965.4	2764.6	2563.8	2513.7	2171.6	1715.6	1487.5	1361.8
127.5°	2348.3	2390.6	2560.0	2729.3	2560.0	2390.6	2348.3	2054.6	1663.0	1467.2	1358.2
130°	2243.8	2283.0	2439.4	2595.9	2439.4	2283.0	2243.8	1982.4	1633.8	1459.5	1360.4
132.5°	2154.8	2189.9	2330.0	2470.1	2330.0	2189.9	2154.8	1920.8	1608.7	1452.7	1361.8
135°	2029.1	2059.3	2180.1	2300.9	2180.1	2059.3	2029.1	1833.1	1571.7	1441.1	1360.5
137.5°	1936.3	1961.0	2059.8	2158.8	2059.8	1961.0	1936.3	1770.6	1549.6	1439.1	1368.9
140°	1861.8	1884.9	1977.4	2069.7	1977.4	1884.9	1861.8	1718.7	1527.8	1432.4	1370.3
142.5°	1809.5	1829.4	1908.9	1988.5	1908.9	1829.4	1809.5	1683.8	1516.2	1432.4	1375.2
145°	1731.3	1746.3	1806.4	1866.6	1806.4	1746.3	1731.3	1628.4	1491.2	1422.7	1375.2
147.5°	1665.5	1677.9	1727.8	1777.7	1727.8	1677.9	1665.5	1584.5	1476.7	1422.7	1384.7
150°	1627.8	1637.9	1678.3	1718.7	1678.3	1637.9	1627.8	1559.4	1468.2	1422.7	1389.6
152.5°	1597.8	1605.5	1635.9	1666.4	1635.9	1605.5	1597.8	1539.4	1461.6	1422.7	1392.8
155°	1562.0	1567.1	1587.2	1607.4	1587.2	1567.1	1562.0	1515.6	1453.7	1422.7	1399.9
157.5°	1531.0	1534.6	1548.8	1563.0	1548.8	1534.6	1531.0	1494.9	1446.8	1422.7	1407.0
160°	1515.5	1517.6	1525.7	1533.9	1525.7	1517.6	1515.5	1484.6	1443.3	1422.7	1410.2
162.5°	1501.0	1503.0	1510.7	1518.5	1510.7	1503.0	1501.0	1474.9	1440.0	1422.7	1413.6
165°	1478.8	1480.9	1489.0	1497.2	1489.0	1480.9	1478.8	1460.1	1435.2	1422.7	1418.6
167.5°	1469.1	1469.9	1473.4	1476.8	1473.4	1469.9	1469.1	1456.9	1440.5	1432.4	1428.9
170°	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1456.9	1440.5	1432.4	1432.2
172.5°	1461.4	1460.7	1457.6	1454.6	1457.6	1460.7	1461.4	1451.7	1438.8	1432.4	1432.4
175°	1450.8	1450.8	1450.8	1450.8	1450.8	1450.8	1450.8	1444.6	1436.5	1432.4	1434.3
177.5°	1448.8	1448.0	1444.5	1441.1	1444.5	1448.0	1448.8	1444.0	1437.5	1434.3	1435.8
180°	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3341.1	3341.1	3341.1	3341.1	3341.1
2.5°	3300.0	3315.8	3325.3	3337.9	3369.5
5°	3173.5	3233.6	3252.6	3300.0	3356.9
7.5°	2895.4	3078.7	3129.3	3243.1	3331.6
10°	2626.7	2810.0	2898.6	3167.2	3300.0
12.5°	2490.8	2598.3	2658.4	3034.5	3255.7
15°	2405.4	2481.4	2525.5	2857.5	3205.2
17.5°	2339.1	2392.8	2424.4	2683.7	3135.6
20°	2298.0	2323.2	2351.7	2557.2	3056.6
22.5°	2269.5	2253.7	2275.9	2468.7	2949.1
25°	2250.6	2190.5	2215.8	2399.2	2822.7
27.5°	2266.4	2133.6	2143.1	2335.9	2689.9
30°	2269.5	2064.0	2067.2	2269.5	2541.4
32.5°	2247.4	1991.4	1994.6	2187.3	2373.9
35°	2193.7	1906.0	1902.8	2092.5	2146.2
37.5°	2120.9	1814.4	1814.4	1988.2	1896.6
40°	2032.5	1722.7	1732.2	1852.3	1675.3
42.5°	1925.0	1624.7	1637.4	1672.1	1510.9
45°	1808.0	1529.9	1539.3	1413.0	1384.5
47.5°	1678.5	1431.9	1435.1	1172.7	1343.4
50°	1523.5	1330.8	1318.1	1005.2	1340.2
52.5°	1387.6	1220.1	1182.2	910.4	1216.9
55°	1254.9	1103.1	1021.0	837.6	1128.5
57.5°	1137.9	951.5	872.4	752.3	1109.5
60°	1030.5	802.9	742.8	660.6	1017.8
62.5°	941.9	692.3	679.6	597.4	923.0
65°	847.1	616.3	613.2	543.7	783.9
67.5°	755.4	565.8	562.6	493.1	597.4
70°	657.4	512.1	505.8	439.4	442.5
72.5°	556.3	452.1	445.7	395.1	366.7
75°	455.1	382.5	379.3	344.6	297.1
77.5°	357.2	303.5	309.8	278.1	218.1
80°	256.0	221.3	227.6	199.1	164.4
82.5°	170.7	145.4	151.7	126.5	110.6
85°	94.8	82.2	85.4	66.4	50.5
87.5°	44.3	37.9	37.9	25.3	15.8
90°	42.6	27.1	25.1	17.5	9.7
92.5°	262.5	186.7	170.3	104.4	38.7
95°	645.8	363.7	333.6	213.2	92.8
97.5°	869.8	399.5	372.9	266.8	160.6
100°	951.4	429.5	405.4	309.1	212.8
102.5°	988.8	459.4	436.9	347.1	257.2
105°	1016.5	503.9	484.8	408.8	332.7
107.5°	1021.6	569.6	551.9	481.0	410.1
110°	1014.0	606.4	590.5	526.4	462.3



TEST NUMBER: P935808

CATALOG NUMBER: SQ4-FA-125U-125D-B50-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1014.2	650.9	635.7	574.6	513.6
115°	1023.6	717.6	703.5	647.3	590.9
117.5°	1042.6	782.4	769.6	718.5	667.3
120°	1058.0	820.1	808.1	760.0	711.8
122.5°	1080.3	864.6	852.5	803.9	755.3
125°	1110.2	921.7	910.6	866.4	822.1
127.5°	1140.3	976.9	965.7	921.0	876.3
130°	1162.2	1013.6	1001.5	953.4	905.2
132.5°	1179.9	1043.6	1031.5	983.4	935.2
135°	1199.3	1078.4	1067.5	1023.6	979.8
137.5°	1228.3	1122.9	1112.0	1068.6	1025.2
140°	1246.0	1152.8	1142.8	1102.9	1062.9
142.5°	1260.8	1175.1	1165.8	1128.9	1091.9
145°	1280.2	1209.0	1200.9	1168.6	1136.4
147.5°	1308.6	1251.6	1243.7	1212.3	1180.9
150°	1323.4	1273.8	1266.7	1238.3	1209.9
152.5°	1333.1	1288.3	1282.8	1261.4	1239.9
155°	1354.4	1320.2	1316.2	1300.3	1284.4
157.5°	1375.6	1352.1	1348.2	1332.7	1317.3
160°	1385.3	1366.6	1363.6	1351.6	1339.5
162.5°	1395.6	1382.0	1379.8	1370.7	1361.8
165°	1410.4	1404.4	1402.3	1394.2	1386.0
167.5°	1422.0	1416.9	1415.9	1412.0	1408.2
170°	1431.7	1431.4	1430.5	1426.6	1422.7
172.5°	1432.4	1432.4	1432.2	1431.3	1430.4
175°	1438.2	1441.1	1441.1	1441.1	1441.1
177.5°	1438.8	1441.1	1441.1	1441.1	1441.1
180°	1441.1	1441.1	1441.1	1441.1	1441.1



TEST NUMBER: P935808
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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	14.15	15.00	15.13	15.99	17.28	16.99	17.84	17.97	18.82	20.12
	3H	14.63	15.39	15.61	16.38	17.70	18.34	19.10	19.32	20.09	21.41
	4H	14.82	15.54	15.82	16.54	17.86	18.78	19.50	19.78	20.50	21.83
	6H	14.94	15.60	15.95	16.60	17.94	19.07	19.73	20.08	20.73	22.07
	8H	14.94	15.57	15.95	16.59	17.92	19.15	19.77	20.16	20.79	22.13
	12H	14.91	15.51	15.93	16.52	17.88	19.18	19.78	20.20	20.80	22.16
4H	2H	15.19	15.90	16.19	16.90	18.23	17.40	18.12	18.40	19.12	20.44
	3H	16.21	16.81	17.23	17.84	19.18	18.91	19.50	19.92	20.53	21.87
	4H	16.49	17.03	17.51	18.05	19.42	19.43	19.98	20.46	21.00	22.37
	6H	16.61	17.08	17.64	18.13	19.49	19.80	20.27	20.83	21.32	22.68
	8H	16.62	17.06	17.65	18.09	19.47	19.91	20.35	20.94	21.38	22.76
	12H	16.58	16.98	17.63	18.03	19.41	19.97	20.36	21.02	21.41	22.80
8H	4H	16.94	17.38	17.97	18.42	19.79	19.56	20.00	20.59	21.03	22.41
	6H	17.20	17.56	18.26	18.64	20.02	20.00	20.36	21.05	21.44	22.81
	8H	17.24	17.56	18.31	18.63	20.02	20.15	20.47	21.21	21.53	22.92
	12H	17.23	17.51	18.30	18.57	20.00	20.25	20.53	21.32	21.59	23.02
12H	4H	16.95	17.34	18.00	18.40	19.78	19.52	19.92	20.57	20.97	22.35
	6H	17.26	17.58	18.33	18.65	20.04	19.99	20.31	21.06	21.38	22.77
	8H	17.33	17.61	18.40	18.67	20.10	20.15	20.43	21.22	21.49	22.93