

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: P935620

Luminaire Tested: SQ4-FA-125U-100D-840-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935620
REPORT IS A COMBINATION OF REPORTS P933764 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-100D-840-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

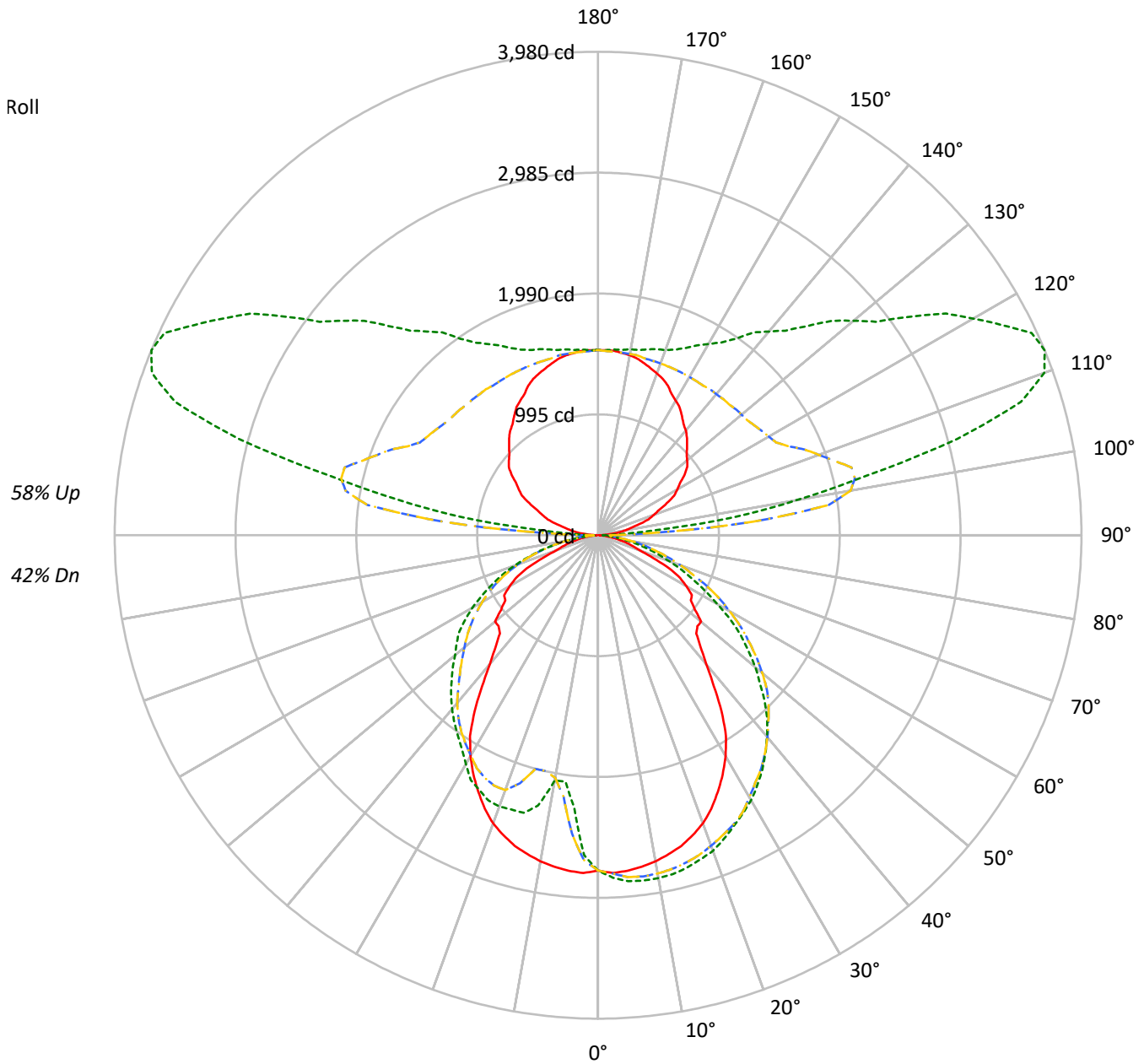
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17043.0 lumens
Efficiency: N/A
Efficacy: 132.3 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): 128.8
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: P935620
CATALOG NUMBER: SQ4-FA-125U-100D-840-1D-UNV-STD-W-8

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - · - · 90°-270° - · - · 135°-315°



TEST NUMBER: P935620

CATALOG NUMBER: SQ4-FA-125U-100D-840-1D-UNV-STD-W-8

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	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	49	49	49	42
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	41	41	41	35
2	87	80	74	69	80	73	68	64	61	57	54	49	46	44	38	36	35	35	35	35	30
3	80	70	63	57	72	65	58	53	53	49	45	43	40	37	34	31	30	30	30	30	25
4	73	62	54	49	66	57	50	45	47	42	38	38	35	32	30	28	25	25	25	25	22
5	67	55	47	41	61	51	44	39	42	37	33	34	31	27	27	24	22	22	22	22	19
6	62	50	42	36	56	46	39	33	38	33	29	31	27	24	24	22	19	19	19	19	16
7	57	45	37	31	52	41	34	29	34	29	25	28	24	21	22	19	17	17	17	17	15
8	53	40	33	28	48	37	31	26	31	26	22	26	22	19	20	18	15	15	15	15	13
9	49	37	30	25	45	34	27	23	29	24	20	24	20	17	19	16	14	14	14	14	12
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13	13	13	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12803	12803	12803	12803
5°	12899	12924	12899	10163
10°	12813	12731	12813	9102
15°	12673	12455	12673	10401
20°	12408	12129	12408	10422
25°	11866	11652	11866	10201
30°	11165	11256	11165	9717
35°	9953	10756	9953	9184
40°	8294	10167	8294	8781
45°	7410	9477	7410	8318
50°	7873	8655	7873	7854
55°	7407	7768	7407	7585
60°	7636	6598	7636	6947
65°	6922	5454	6922	6097
70°	4794	4347	4794	5110
75°	4203	3213	4203	3847
80°	3388	2123	3388	2313
85°	1947	1125	1947	956

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11357 cd/sqm



TEST NUMBER: P935620

CATALOG NUMBER: SQ4-FA-125U-100D-840-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.1	1.5
10°-20°	707.3	4.1
20°-30°	1093.3	6.4
30°-40°	1305.2	7.7
40°-50°	1312.8	7.7
50°-60°	1142.3	6.7
60°-70°	809.9	4.8
70°-80°	428.5	2.5
80°-90°	112.5	0.7
90°-100°	743.1	4.4
100°-110°	1953.6	11.5
110°-120°	2025.6	11.9
120°-130°	1624.8	9.5
130°-140°	1274.9	7.5
140°-150°	978.5	5.7
150°-160°	704.7	4.1
160°-170°	431.2	2.5
170°-180°	145.7	0.9
0°-30°	2049.7	12.0
0°-40°	3354.8	19.7
0°-60°	5810.0	34.1
0°-90°	7160.9	42.0
90°-120°	4722.3	27.7
90°-150°	8600.5	50.5
90°-180°	9882.0	58.0
0°-180°	17043.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2760	2760	2760	2760	2760	
5°	2773	2859	2773	2248	2773	263
15°	2647	2833	2647	2365	2647	745
25°	2331	2642	2331	2313	2331	1070
35°	1773	2358	1773	2013	1773	1097
45°	1144	1942	1144	1705	1144	916
55°	932	1433	932	1399	932	856
65°	647	864	647	966	647	619
75°	245	410	245	491	245	258
85°	42	104	42	89	42	56
90°	10	39	10	39	10	10
95°	98	449	98	449	98	109
105°	352	3059	352	3059	352	373
115°	625	3939	625	3939	625	617
125°	870	3137	870	3137	870	772
135°	1036	2434	1036	2434	1036	802
145°	1202	1974	1202	1974	1202	753
155°	1359	1700	1359	1700	1359	624
165°	1466	1584	1466	1584	1466	414
175°	1524	1535	1524	1535	1524	145
180°	1524	1524	1524	1524	1524	



TEST NUMBER: P935620

CATALOG NUMBER: SQ4-FA-125U-100D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6
2.5°	2783.1	2783.1	2798.7	2803.9	2803.9	2796.1	2788.3	2796.1	2819.7	2827.5	2824.9
5°	2772.6	2793.5	2822.2	2827.5	2832.7	2830.0	2824.9	2830.0	2856.2	2861.4	2864.0
7.5°	2751.8	2790.9	2827.5	2835.3	2843.2	2835.3	2832.7	2837.9	2864.0	2869.3	2869.3
10°	2725.6	2780.4	2822.2	2827.5	2835.3	2827.5	2827.5	2837.9	2864.0	2869.3	2871.8
12.5°	2689.0	2764.8	2803.9	2809.2	2819.7	2817.0	2814.4	2824.9	2851.0	2856.2	2856.2
15°	2647.3	2736.1	2772.6	2777.9	2796.1	2790.9	2790.9	2801.4	2830.0	2837.9	2835.3
17.5°	2589.8	2699.5	2741.3	2749.1	2762.2	2759.6	2762.2	2772.6	2798.7	2803.9	2806.6
20°	2524.6	2649.9	2699.5	2707.3	2720.5	2720.5	2720.5	2733.5	2759.6	2770.1	2770.1
22.5°	2435.8	2597.7	2649.9	2655.2	2670.8	2670.8	2676.0	2694.3	2717.8	2720.5	2720.5
25°	2331.4	2540.2	2584.6	2600.3	2616.0	2623.8	2631.6	2642.1	2649.9	2647.3	2649.9
27.5°	2221.7	2467.1	2524.6	2535.0	2556.0	2563.8	2574.2	2576.8	2579.5	2587.3	2582.0
30°	2099.0	2365.4	2451.5	2462.0	2495.9	2501.1	2490.6	2495.9	2508.9	2514.2	2519.4
32.5°	1960.7	2213.9	2375.8	2399.3	2430.6	2415.0	2412.3	2420.2	2441.1	2441.1	2446.3
35°	1772.7	2096.4	2305.3	2326.1	2349.7	2331.4	2341.9	2344.4	2357.6	2365.4	2362.7
37.5°	1566.5	1994.6	2232.2	2247.9	2266.2	2242.7	2258.3	2266.2	2276.5	2271.4	2271.4
40°	1383.7	1835.4	2146.0	2156.5	2172.1	2153.8	2169.5	2174.8	2180.0	2174.8	2172.1
42.5°	1247.9	1660.4	2054.6	2067.7	2057.3	2070.4	2075.6	2086.0	2078.2	2067.7	2067.7
45°	1143.5	1613.4	1955.4	1971.2	1955.4	1976.4	1984.2	1984.2	1960.7	1955.4	1952.9
47.5°	1109.6	1519.4	1856.3	1856.3	1848.4	1874.5	1887.6	1869.3	1845.8	1838.0	1838.0
50°	1107.0	1415.0	1720.5	1710.0	1746.6	1777.9	1764.9	1746.6	1728.3	1699.6	1699.6
52.5°	1005.2	1287.1	1545.5	1584.8	1642.2	1660.4	1639.6	1621.3	1590.0	1576.9	1566.5
55°	932.1	1154.0	1386.4	1464.6	1524.7	1548.2	1509.0	1490.8	1443.8	1436.0	1430.7
57.5°	916.4	960.7	1240.1	1339.3	1412.4	1409.8	1386.4	1352.4	1313.2	1305.3	1302.8
60°	840.7	694.5	1083.4	1200.9	1276.7	1268.8	1247.9	1216.6	1180.1	1174.8	1169.6
62.5°	762.3	503.9	905.9	1039.1	1146.1	1143.5	1125.2	1078.2	1052.1	1039.1	1028.6
65°	647.4	423.0	644.9	864.2	1018.2	1023.4	984.2	950.4	921.6	905.9	903.3
67.5°	493.4	344.6	436.0	720.5	895.5	890.3	840.7	825.0	788.4	780.6	764.9
70°	365.5	229.7	302.8	584.8	775.4	762.3	723.2	704.9	671.0	652.7	642.2
72.5°	302.8	185.3	221.9	454.3	652.7	637.1	603.1	582.2	553.5	537.8	527.4
75°	245.4	195.8	169.7	336.8	530.0	519.6	488.2	467.3	443.8	423.0	425.5
77.5°	180.1	182.8	135.8	248.0	420.3	404.7	386.4	360.3	349.9	329.0	329.0
80°	135.8	143.6	101.9	169.7	302.8	302.8	287.2	268.9	250.7	240.2	240.2
82.5°	91.4	91.4	75.7	107.0	206.3	198.4	188.0	182.8	172.3	167.1	167.1
85°	41.8	52.2	47.0	65.3	112.2	117.5	117.5	112.2	109.7	104.4	107.0
87.5°	13.0	23.5	28.8	36.6	57.4	60.1	62.6	62.6	62.6	65.3	65.3
90°	10.3	18.5	26.6	28.7	45.1	66.9	77.8	69.1	51.8	38.8	38.8
92.5°	40.9	110.5	180.1	197.5	277.6	384.4	437.9	383.7	275.6	194.3	186.6
95°	98.2	225.6	352.9	384.7	683.1	1081.0	1279.9	1142.1	866.6	659.9	636.5
97.5°	169.8	282.2	394.5	422.6	920.1	1583.6	1915.2	1828.2	1654.0	1523.4	1478.8
100°	225.1	326.9	428.8	454.3	1006.4	1742.5	2110.7	2117.0	2129.7	2139.3	2086.3
102.5°	272.1	367.1	462.2	486.0	1046.0	1792.6	2165.9	2276.8	2498.8	2665.1	2619.7
105°	351.9	432.4	512.9	533.0	1075.2	1798.3	2159.8	2408.4	2905.9	3279.0	3254.6
107.5°	433.8	508.8	583.8	602.6	1080.7	1718.2	2037.0	2383.9	3077.8	3598.2	3604.1
110°	489.1	556.8	624.6	641.5	1072.6	1647.3	1934.7	2322.6	3098.3	3680.0	3705.5



TEST NUMBER: P935620

CATALOG NUMBER: SQ4-FA-125U-100D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	543.3	607.8	672.4	688.5	1072.9	1585.3	1841.5	2238.5	3032.4	3627.8	3667.0
115°	625.1	684.7	744.2	759.1	1082.7	1514.3	1730.1	2112.4	2877.3	3450.9	3505.1
117.5°	705.9	760.1	814.1	827.6	1102.9	1469.8	1653.3	1998.4	2688.6	3206.4	3266.5
120°	753.0	803.9	854.8	867.6	1119.2	1454.8	1622.6	1938.0	2568.6	3041.7	3100.0
122.5°	799.0	850.4	901.7	914.6	1142.7	1446.9	1599.1	1883.0	2451.0	2877.0	2934.6
125°	869.6	916.5	963.3	975.0	1174.4	1440.5	1573.5	1814.8	2297.2	2659.0	2712.1
127.5°	926.9	974.3	1021.5	1033.3	1206.2	1436.7	1552.0	1759.1	2173.4	2484.0	2528.8
130°	957.6	1008.6	1059.4	1072.2	1229.4	1439.0	1543.8	1728.2	2097.0	2373.6	2415.0
132.5°	989.3	1040.3	1091.1	1103.9	1248.1	1440.5	1536.6	1701.7	2031.8	2279.4	2316.5
135°	1036.4	1082.7	1129.2	1140.7	1268.6	1439.1	1524.4	1662.6	1939.0	2146.4	2178.3
137.5°	1084.4	1130.4	1176.3	1187.8	1299.3	1448.0	1522.3	1639.2	1873.0	2048.2	2074.4
140°	1124.3	1166.6	1208.9	1219.5	1318.1	1449.5	1515.2	1616.2	1818.0	1969.5	1993.9
142.5°	1155.1	1194.2	1233.2	1243.0	1333.7	1454.7	1515.2	1603.8	1781.2	1914.2	1935.2
145°	1202.1	1236.2	1270.4	1278.9	1354.3	1454.7	1504.9	1577.4	1722.6	1831.4	1847.3
147.5°	1249.2	1282.4	1315.6	1323.9	1384.3	1464.7	1504.9	1562.0	1676.1	1761.8	1774.9
150°	1279.9	1309.9	1339.9	1347.4	1399.9	1469.9	1504.9	1553.1	1649.6	1721.9	1732.6
152.5°	1311.6	1334.3	1357.0	1362.7	1410.2	1473.3	1504.9	1546.1	1628.4	1690.2	1698.3
155°	1358.7	1375.5	1392.3	1396.5	1432.7	1480.8	1504.9	1537.7	1603.2	1652.3	1657.7
157.5°	1393.5	1409.8	1426.2	1430.2	1455.1	1488.3	1504.9	1530.4	1581.3	1619.5	1623.3
160°	1417.0	1429.7	1442.5	1445.6	1465.4	1491.8	1504.9	1526.8	1570.4	1603.1	1605.3
162.5°	1440.5	1450.0	1459.6	1461.9	1476.3	1495.3	1504.9	1523.3	1560.2	1587.8	1589.9
165°	1466.1	1474.8	1483.4	1485.6	1492.0	1500.6	1504.9	1518.2	1544.5	1564.3	1566.5
167.5°	1489.6	1493.7	1497.8	1498.8	1504.2	1511.5	1515.2	1523.8	1541.1	1554.0	1554.9
170°	1504.9	1509.1	1513.2	1514.2	1514.5	1515.0	1515.2	1523.8	1541.1	1554.0	1554.0
172.5°	1513.1	1514.0	1515.0	1515.2	1515.2	1515.2	1515.2	1522.0	1535.6	1545.9	1545.1
175°	1524.4	1524.4	1524.4	1524.4	1521.3	1517.3	1515.2	1519.5	1528.1	1534.7	1534.7
177.5°	1524.4	1524.4	1524.4	1524.4	1522.0	1518.9	1517.3	1520.6	1527.4	1532.6	1531.7
180°	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4



TEST NUMBER: P935620

CATALOG NUMBER: SQ4-FA-125U-100D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6
2.5°	2830.0	2822.2	2830.0	2824.9	2827.5	2819.7	2796.1	2788.3	2796.1	2803.9	2803.9
5°	2864.0	2858.8	2864.0	2864.0	2861.4	2856.2	2830.0	2824.9	2830.0	2832.7	2827.5
7.5°	2874.5	2866.6	2874.5	2869.3	2869.3	2864.0	2837.9	2832.7	2835.3	2843.2	2835.3
10°	2874.5	2866.6	2874.5	2871.8	2869.3	2864.0	2837.9	2827.5	2827.5	2835.3	2827.5
12.5°	2861.4	2856.2	2861.4	2856.2	2856.2	2851.0	2824.9	2814.4	2817.0	2819.7	2809.2
15°	2840.5	2832.7	2840.5	2835.3	2837.9	2830.0	2801.4	2790.9	2790.9	2796.1	2777.9
17.5°	2809.2	2798.7	2809.2	2806.6	2803.9	2798.7	2772.6	2762.2	2759.6	2762.2	2749.1
20°	2772.6	2764.8	2772.6	2770.1	2770.1	2759.6	2733.5	2720.5	2720.5	2720.5	2707.3
22.5°	2715.2	2707.3	2715.2	2720.5	2720.5	2717.8	2694.3	2676.0	2670.8	2670.8	2655.2
25°	2649.9	2642.1	2649.9	2649.9	2647.3	2649.9	2642.1	2631.6	2623.8	2616.0	2600.3
27.5°	2587.3	2582.0	2587.3	2582.0	2587.3	2579.5	2576.8	2574.2	2563.8	2556.0	2535.0
30°	2524.6	2519.4	2524.6	2519.4	2514.2	2508.9	2495.9	2490.6	2501.1	2495.9	2462.0
32.5°	2446.3	2441.1	2446.3	2446.3	2441.1	2441.1	2420.2	2412.3	2415.0	2430.6	2399.3
35°	2365.4	2357.6	2365.4	2362.7	2365.4	2357.6	2344.4	2341.9	2331.4	2349.7	2326.1
37.5°	2271.4	2263.5	2271.4	2271.4	2271.4	2276.5	2266.2	2258.3	2242.7	2266.2	2247.9
40°	2174.8	2164.3	2174.8	2172.1	2174.8	2180.0	2174.8	2169.5	2153.8	2172.1	2156.5
42.5°	2065.1	2062.5	2065.1	2067.7	2067.7	2078.2	2086.0	2075.6	2070.4	2057.3	2067.7
45°	1947.6	1942.4	1947.6	1952.9	1955.4	1960.7	1984.2	1984.2	1976.4	1955.4	1971.2
47.5°	1822.3	1809.2	1822.3	1838.0	1838.0	1845.8	1869.3	1887.6	1874.5	1848.4	1856.3
50°	1689.2	1691.8	1689.2	1699.6	1699.6	1728.3	1746.6	1764.9	1777.9	1746.6	1710.0
52.5°	1558.7	1556.0	1558.7	1566.5	1576.9	1590.0	1621.3	1639.6	1660.4	1642.2	1584.8
55°	1428.1	1433.3	1428.1	1430.7	1436.0	1443.8	1490.8	1509.0	1548.2	1524.7	1464.6
57.5°	1297.5	1289.7	1297.5	1302.8	1305.3	1313.2	1352.4	1386.4	1409.8	1412.4	1339.3
60°	1146.1	1135.7	1146.1	1169.6	1174.8	1180.1	1216.6	1247.9	1268.8	1276.7	1200.9
62.5°	1013.0	994.7	1013.0	1028.6	1039.1	1052.1	1078.2	1125.2	1143.5	1146.1	1039.1
65°	872.0	864.2	872.0	903.3	905.9	921.6	950.4	984.2	1023.4	1018.2	864.2
67.5°	744.1	744.1	744.1	764.9	780.6	788.4	825.0	840.7	890.3	895.5	720.5
70°	626.6	624.0	626.6	642.2	652.7	671.0	704.9	723.2	762.3	775.4	584.8
72.5°	514.4	511.7	514.4	527.4	537.8	553.5	582.2	603.1	637.1	652.7	454.3
75°	415.2	409.9	415.2	425.5	423.0	443.8	467.3	488.2	519.6	530.0	336.8
77.5°	318.5	318.5	318.5	329.0	329.0	349.9	360.3	386.4	404.7	420.3	248.0
80°	237.6	234.9	237.6	240.2	240.2	250.7	268.9	287.2	302.8	302.8	169.7
82.5°	167.1	161.8	167.1	167.1	167.1	172.3	182.8	188.0	198.4	206.3	107.0
85°	104.4	104.4	104.4	107.0	104.4	109.7	112.2	117.5	117.5	112.2	65.3
87.5°	67.9	65.3	67.9	65.3	65.3	62.6	62.6	62.6	60.1	57.4	36.6
90°	38.8	38.8	38.8	38.8	38.8	51.8	69.1	77.8	66.9	45.1	28.7
92.5°	155.7	124.8	155.7	186.6	194.3	275.6	383.7	437.9	384.4	277.6	197.5
95°	542.8	449.1	542.8	636.5	659.9	866.6	1142.1	1279.9	1081.0	683.1	384.7
97.5°	1300.6	1122.4	1300.6	1478.8	1523.4	1654.0	1828.2	1915.2	1583.6	920.1	422.6
100°	1873.8	1661.5	1873.8	2086.3	2139.3	2129.7	2117.0	2110.7	1742.5	1006.4	454.3
102.5°	2437.8	2255.9	2437.8	2619.7	2665.1	2498.8	2276.8	2165.9	1792.6	1046.0	486.0
105°	3156.8	3059.0	3156.8	3254.6	3279.0	2905.9	2408.4	2159.8	1798.3	1075.2	533.0
107.5°	3627.7	3651.4	3627.7	3604.1	3598.2	3077.8	2383.9	2037.0	1718.2	1080.7	602.6
110°	3807.4	3909.2	3807.4	3705.5	3680.0	3098.3	2322.6	1934.7	1647.3	1072.6	641.5



TEST NUMBER: P935620

CATALOG NUMBER: SQ4-FA-125U-100D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3823.4	3979.8	3823.4	3667.0	3627.8	3032.4	2238.5	1841.5	1585.3	1072.9	688.5
115°	3722.0	3938.9	3722.0	3505.1	3450.9	2877.3	2112.4	1730.1	1514.3	1082.7	759.1
117.5°	3507.0	3747.6	3507.0	3266.5	3206.4	2688.6	1998.4	1653.3	1469.8	1102.9	827.6
120°	3333.8	3567.5	3333.8	3100.0	3041.7	2568.6	1938.0	1622.6	1454.8	1119.2	867.6
122.5°	3165.2	3395.7	3165.2	2934.6	2877.0	2451.0	1883.0	1599.1	1446.9	1142.7	914.6
125°	2924.5	3136.8	2924.5	2712.1	2659.0	2297.2	1814.8	1573.5	1440.5	1174.4	975.0
127.5°	2708.0	2887.1	2708.0	2528.8	2484.0	2173.4	1759.1	1552.0	1436.7	1206.2	1033.3
130°	2580.5	2745.9	2580.5	2415.0	2373.6	2097.0	1728.2	1543.8	1439.0	1229.4	1072.2
132.5°	2464.8	2613.0	2464.8	2316.5	2279.4	2031.8	1701.7	1536.6	1440.5	1248.1	1103.9
135°	2306.2	2433.9	2306.2	2178.3	2146.4	1939.0	1662.6	1524.4	1439.1	1268.6	1140.7
137.5°	2178.9	2283.6	2178.9	2074.4	2048.2	1873.0	1639.2	1522.3	1448.0	1299.3	1187.8
140°	2091.7	2189.4	2091.7	1993.9	1969.5	1818.0	1616.2	1515.2	1449.5	1318.1	1219.5
142.5°	2019.3	2103.5	2019.3	1935.2	1914.2	1781.2	1603.8	1515.2	1454.7	1333.7	1243.0
145°	1910.9	1974.5	1910.9	1847.3	1831.4	1722.6	1577.4	1504.9	1454.7	1354.3	1278.9
147.5°	1827.7	1880.5	1827.7	1774.9	1761.8	1676.1	1562.0	1504.9	1464.7	1384.3	1323.9
150°	1775.3	1818.0	1775.3	1732.6	1721.9	1649.6	1553.1	1504.9	1469.9	1399.9	1347.4
152.5°	1730.5	1762.8	1730.5	1698.3	1690.2	1628.4	1546.1	1504.9	1473.3	1410.2	1362.7
155°	1679.0	1700.3	1679.0	1657.7	1652.3	1603.2	1537.7	1504.9	1480.8	1432.7	1396.5
157.5°	1638.3	1653.3	1638.3	1623.3	1619.5	1581.3	1530.4	1504.9	1488.3	1455.1	1430.2
160°	1613.9	1622.6	1613.9	1605.3	1603.1	1570.4	1526.8	1504.9	1491.8	1465.4	1445.6
162.5°	1598.1	1606.3	1598.1	1589.9	1587.8	1560.2	1523.3	1504.9	1495.3	1476.3	1461.9
165°	1575.1	1583.8	1575.1	1566.5	1564.3	1544.5	1518.2	1504.9	1500.6	1492.0	1485.6
167.5°	1558.6	1562.2	1558.6	1554.9	1554.0	1541.1	1523.8	1515.2	1511.5	1504.2	1498.8
170°	1554.0	1554.0	1554.0	1554.0	1554.0	1541.1	1523.8	1515.2	1515.0	1514.5	1514.2
172.5°	1541.9	1538.7	1541.9	1545.1	1545.9	1535.6	1522.0	1515.2	1515.2	1515.2	1515.2
175°	1534.7	1534.7	1534.7	1534.7	1534.7	1528.1	1519.5	1515.2	1517.3	1521.3	1524.4
177.5°	1528.0	1524.4	1528.0	1531.7	1532.6	1527.4	1520.6	1517.3	1518.9	1522.0	1524.4
180°	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4



TEST NUMBER: P935620

CATALOG NUMBER: SQ4-FA-125U-100D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6
2.5°	2798.7	2783.1	2783.1	2757.0	2746.5	2738.7	2725.6	2686.5	2676.0	2665.6	2681.2
5°	2822.2	2793.5	2772.6	2725.6	2686.5	2670.8	2621.2	2527.2	2464.6	2417.5	2391.5
7.5°	2827.5	2790.9	2751.8	2678.7	2584.6	2542.9	2391.5	2219.1	2172.1	2130.4	2104.2
10°	2822.2	2780.4	2725.6	2616.0	2394.0	2321.0	2169.5	2057.3	2028.6	2020.8	2028.6
12.5°	2803.9	2764.8	2689.0	2506.4	2195.6	2146.0	2057.3	1992.0	1986.8	1999.8	2070.4
15°	2772.6	2736.1	2647.3	2360.1	2086.0	2049.4	1986.8	1963.3	1992.0	2083.4	2294.8
17.5°	2741.3	2699.5	2589.8	2216.6	2002.5	1976.4	1931.9	1979.0	2140.8	2263.5	2334.1
20°	2699.5	2649.9	2524.6	2112.1	1942.4	1918.9	1898.0	2109.5	2232.2	2276.5	2315.8
22.5°	2649.9	2597.7	2435.8	2039.0	1879.8	1861.5	1874.5	2182.6	2232.2	2263.5	2297.5
25°	2584.6	2540.2	2331.4	1981.5	1830.2	1809.2	1858.8	2174.8	2203.4	2211.3	2279.2
27.5°	2524.6	2467.1	2221.7	1929.4	1770.1	1762.3	1872.0	2140.8	2161.7	2169.5	2242.7
30°	2451.5	2365.4	2099.0	1874.5	1707.5	1704.8	1874.5	2099.0	2093.9	2114.7	2187.8
32.5°	2375.8	2213.9	1960.7	1806.7	1647.4	1644.8	1856.3	2036.4	2031.1	2059.9	2114.7
35°	2305.3	2096.4	1772.7	1728.3	1571.7	1574.3	1811.9	1963.3	1965.9	1992.0	2026.0
37.5°	2232.2	1994.6	1566.5	1642.2	1498.6	1498.6	1751.8	1895.4	1890.2	1898.0	1945.0
40°	2146.0	1835.4	1383.7	1529.9	1430.7	1422.8	1678.7	1822.3	1804.0	1801.4	1866.7
42.5°	2054.6	1660.4	1247.9	1381.1	1352.4	1341.9	1590.0	1733.5	1699.6	1707.5	1790.9
45°	1955.4	1613.4	1143.5	1167.0	1271.5	1263.7	1493.4	1631.7	1608.3	1629.1	1715.3
47.5°	1856.3	1519.4	1109.6	968.6	1185.3	1182.6	1386.4	1532.5	1519.4	1540.4	1631.7
50°	1720.5	1415.0	1107.0	830.2	1088.7	1099.2	1258.4	1436.0	1436.0	1454.2	1550.8
52.5°	1545.5	1287.1	1005.2	751.9	976.4	1007.8	1146.1	1352.4	1357.6	1375.9	1462.0
55°	1386.4	1154.0	932.1	691.9	843.3	911.1	1036.5	1266.2	1276.7	1295.0	1373.2
57.5°	1240.1	960.7	916.4	621.4	720.5	785.9	939.9	1182.6	1187.9	1203.6	1279.3
60°	1083.4	694.5	840.7	545.7	613.5	663.1	851.1	1083.4	1101.7	1112.2	1177.5
62.5°	905.9	503.9	762.3	493.4	561.3	571.8	778.0	989.5	1013.0	1020.8	1059.9
65°	644.9	423.0	647.4	449.0	506.4	509.1	699.7	892.9	913.8	926.8	955.5
67.5°	436.0	344.6	493.4	407.3	464.8	467.3	624.0	780.6	809.4	819.7	838.0
70°	302.8	229.7	365.5	362.9	417.7	423.0	543.0	678.8	704.9	712.7	723.2
72.5°	221.9	185.3	302.8	326.3	368.1	373.4	459.5	564.0	590.0	597.8	603.1
75°	169.7	195.8	245.4	284.5	313.3	315.9	375.9	459.5	477.8	483.0	485.6
77.5°	135.8	182.8	180.1	229.7	255.9	250.7	295.0	355.1	370.7	370.7	370.7
80°	101.9	143.6	135.8	164.5	188.0	182.8	211.4	253.2	258.5	263.7	261.0
82.5°	75.7	91.4	91.4	104.4	125.3	120.1	141.0	164.5	164.5	164.5	169.7
85°	47.0	52.2	41.8	54.8	70.4	67.9	78.3	88.7	91.4	91.4	86.2
87.5°	28.8	23.5	13.0	20.8	31.3	31.3	36.6	39.1	36.6	36.6	36.6
90°	26.6	18.5	10.3	18.5	26.6	28.7	45.1	66.9	77.8	69.1	51.8
92.5°	180.1	110.5	40.9	110.5	180.1	197.5	277.6	384.4	437.9	383.7	275.6
95°	352.9	225.6	98.2	225.6	352.9	384.7	683.1	1081.0	1279.9	1142.1	866.6
97.5°	394.5	282.2	169.8	282.2	394.5	422.6	920.1	1583.6	1915.2	1828.2	1654.0
100°	428.8	326.9	225.1	326.9	428.8	454.3	1006.4	1742.5	2110.7	2117.0	2129.7
102.5°	462.2	367.1	272.1	367.1	462.2	486.0	1046.0	1792.6	2165.9	2276.8	2498.8
105°	512.9	432.4	351.9	432.4	512.9	533.0	1075.2	1798.3	2159.8	2408.4	2905.9
107.5°	583.8	508.8	433.8	508.8	583.8	602.6	1080.7	1718.2	2037.0	2383.9	3077.8
110°	624.6	556.8	489.1	556.8	624.6	641.5	1072.6	1647.3	1934.7	2322.6	3098.3



TEST NUMBER: P935620

CATALOG NUMBER: SQ4-FA-125U-100D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	672.4	607.8	543.3	607.8	672.4	688.5	1072.9	1585.3	1841.5	2238.5	3032.4
115°	744.2	684.7	625.1	684.7	744.2	759.1	1082.7	1514.3	1730.1	2112.4	2877.3
117.5°	814.1	760.1	705.9	760.1	814.1	827.6	1102.9	1469.8	1653.3	1998.4	2688.6
120°	854.8	803.9	753.0	803.9	854.8	867.6	1119.2	1454.8	1622.6	1938.0	2568.6
122.5°	901.7	850.4	799.0	850.4	901.7	914.6	1142.7	1446.9	1599.1	1883.0	2451.0
125°	963.3	916.5	869.6	916.5	963.3	975.0	1174.4	1440.5	1573.5	1814.8	2297.2
127.5°	1021.5	974.3	926.9	974.3	1021.5	1033.3	1206.2	1436.7	1552.0	1759.1	2173.4
130°	1059.4	1008.6	957.6	1008.6	1059.4	1072.2	1229.4	1439.0	1543.8	1728.2	2097.0
132.5°	1091.1	1040.3	989.3	1040.3	1091.1	1103.9	1248.1	1440.5	1536.6	1701.7	2031.8
135°	1129.2	1082.7	1036.4	1082.7	1129.2	1140.7	1268.6	1439.1	1524.4	1662.6	1939.0
137.5°	1176.3	1130.4	1084.4	1130.4	1176.3	1187.8	1299.3	1448.0	1522.3	1639.2	1873.0
140°	1208.9	1166.6	1124.3	1166.6	1208.9	1219.5	1318.1	1449.5	1515.2	1616.2	1818.0
142.5°	1233.2	1194.2	1155.1	1194.2	1233.2	1243.0	1333.7	1454.7	1515.2	1603.8	1781.2
145°	1270.4	1236.2	1202.1	1236.2	1270.4	1278.9	1354.3	1454.7	1504.9	1577.4	1722.6
147.5°	1315.6	1282.4	1249.2	1282.4	1315.6	1323.9	1384.3	1464.7	1504.9	1562.0	1676.1
150°	1339.9	1309.9	1279.9	1309.9	1339.9	1347.4	1399.9	1469.9	1504.9	1553.1	1649.6
152.5°	1357.0	1334.3	1311.6	1334.3	1357.0	1362.7	1410.2	1473.3	1504.9	1546.1	1628.4
155°	1392.3	1375.5	1358.7	1375.5	1392.3	1396.5	1432.7	1480.8	1504.9	1537.7	1603.2
157.5°	1426.2	1409.8	1393.5	1409.8	1426.2	1430.2	1455.1	1488.3	1504.9	1530.4	1581.3
160°	1442.5	1429.7	1417.0	1429.7	1442.5	1445.6	1465.4	1491.8	1504.9	1526.8	1570.4
162.5°	1459.6	1450.0	1440.5	1450.0	1459.6	1461.9	1476.3	1495.3	1504.9	1523.3	1560.2
165°	1483.4	1474.8	1466.1	1474.8	1483.4	1485.6	1492.0	1500.6	1504.9	1518.2	1544.5
167.5°	1497.8	1493.7	1489.6	1493.7	1497.8	1498.8	1504.2	1511.5	1515.2	1523.8	1541.1
170°	1513.2	1509.1	1504.9	1509.1	1513.2	1514.2	1514.5	1515.0	1515.2	1523.8	1541.1
172.5°	1515.0	1514.0	1513.1	1514.0	1515.0	1515.2	1515.2	1515.2	1515.2	1522.0	1535.6
175°	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1521.3	1517.3	1515.2	1519.5	1528.1
177.5°	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1522.0	1518.9	1517.3	1520.6	1527.4
180°	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4



TEST NUMBER: P935620
 CATALOG NUMBER: SQ4-FA-125U-100D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6
2.5°	2663.0	2655.2	2665.6	2636.9	2665.6	2655.2	2663.0	2681.2	2665.6	2676.0	2686.5
5°	2336.6	2323.6	2281.8	2247.9	2281.8	2323.6	2336.6	2391.5	2417.5	2464.6	2527.2
7.5°	2088.6	2078.2	2067.7	2046.8	2067.7	2078.2	2088.6	2104.2	2130.4	2172.1	2219.1
10°	2033.8	2036.4	2052.1	2049.4	2052.1	2036.4	2033.8	2028.6	2020.8	2028.6	2057.3
12.5°	2174.8	2198.3	2284.5	2279.2	2284.5	2198.3	2174.8	2070.4	1999.8	1986.8	1992.0
15°	2336.6	2344.4	2362.7	2365.4	2362.7	2344.4	2336.6	2294.8	2083.4	1992.0	1963.3
17.5°	2352.3	2354.9	2367.9	2367.9	2367.9	2354.9	2352.3	2334.1	2263.5	2140.8	1979.0
20°	2339.3	2344.4	2370.6	2375.8	2370.6	2344.4	2339.3	2315.8	2276.5	2232.2	2109.5
22.5°	2334.1	2344.4	2365.4	2362.7	2365.4	2344.4	2334.1	2297.5	2263.5	2232.2	2182.6
25°	2307.9	2307.9	2310.5	2313.1	2310.5	2307.9	2307.9	2279.2	2211.3	2203.4	2174.8
27.5°	2253.1	2258.3	2274.0	2271.4	2274.0	2258.3	2253.1	2242.7	2169.5	2161.7	2140.8
30°	2203.4	2198.3	2185.2	2174.8	2185.2	2198.3	2203.4	2187.8	2114.7	2093.9	2099.0
32.5°	2120.0	2106.9	2093.9	2086.0	2093.9	2106.9	2120.0	2114.7	2059.9	2031.1	2036.4
35°	2020.8	2023.3	2020.8	2012.9	2020.8	2023.3	2020.8	2026.0	1992.0	1965.9	1963.3
37.5°	1950.2	1955.4	1952.9	1942.4	1952.9	1955.4	1950.2	1945.0	1898.0	1890.2	1895.4
40°	1877.1	1879.8	1877.1	1869.3	1877.1	1879.8	1877.1	1866.7	1801.4	1804.0	1822.3
42.5°	1806.7	1804.0	1796.2	1790.9	1796.2	1804.0	1806.7	1790.9	1707.5	1699.6	1733.5
45°	1725.7	1728.3	1712.7	1704.8	1712.7	1728.3	1725.7	1715.3	1629.1	1608.3	1631.7
47.5°	1644.8	1644.8	1631.7	1623.9	1631.7	1644.8	1644.8	1631.7	1540.4	1519.4	1532.5
50°	1558.7	1556.0	1537.7	1535.2	1537.7	1556.0	1558.7	1550.8	1454.2	1436.0	1436.0
52.5°	1459.4	1459.4	1462.0	1467.3	1462.0	1459.4	1459.4	1462.0	1375.9	1357.6	1352.4
55°	1373.2	1375.9	1394.2	1399.4	1394.2	1375.9	1373.2	1373.2	1295.0	1276.7	1266.2
57.5°	1284.5	1284.5	1297.5	1297.5	1297.5	1284.5	1284.5	1279.3	1203.6	1187.9	1182.6
60°	1182.6	1187.9	1198.3	1195.8	1198.3	1187.9	1182.6	1177.5	1112.2	1101.7	1083.4
62.5°	1075.6	1080.9	1083.4	1078.2	1083.4	1080.9	1075.6	1059.9	1020.8	1013.0	989.5
65°	963.4	968.6	971.2	966.0	971.2	968.6	963.4	955.5	926.8	913.8	892.9
67.5°	848.5	845.9	843.3	853.7	843.3	845.9	848.5	838.0	819.7	809.4	780.6
70°	731.0	731.0	728.4	733.6	728.4	731.0	731.0	723.2	712.7	704.9	678.8
72.5°	605.7	603.1	613.5	605.7	613.5	603.1	605.7	603.1	597.8	590.0	564.0
75°	483.0	488.2	483.0	490.8	483.0	488.2	483.0	485.6	483.0	477.8	459.5
77.5°	368.1	373.4	368.1	368.1	368.1	373.4	368.1	370.7	370.7	370.7	355.1
80°	261.0	258.5	258.5	255.9	258.5	258.5	261.0	261.0	263.7	258.5	253.2
82.5°	167.1	164.5	164.5	169.7	164.5	164.5	167.1	169.7	164.5	164.5	164.5
85°	91.4	94.0	88.7	88.7	88.7	94.0	91.4	86.2	91.4	91.4	88.7
87.5°	34.0	31.3	31.3	31.3	31.3	31.3	34.0	36.6	36.6	36.6	39.1
90°	38.8	38.8	38.8	38.8	38.8	38.8	38.8	51.8	69.1	77.8	66.9
92.5°	194.3	186.6	155.7	124.8	155.7	186.6	194.3	275.6	383.7	437.9	384.4
95°	659.9	636.5	542.8	449.1	542.8	636.5	659.9	866.6	1142.1	1279.9	1081.0
97.5°	1523.4	1478.8	1300.6	1122.4	1300.6	1478.8	1523.4	1654.0	1828.2	1915.2	1583.6
100°	2139.3	2086.3	1873.8	1661.5	1873.8	2086.3	2139.3	2129.7	2117.0	2110.7	1742.5
102.5°	2665.1	2619.7	2437.8	2255.9	2437.8	2619.7	2665.1	2498.8	2276.8	2165.9	1792.6
105°	3279.0	3254.6	3156.8	3059.0	3156.8	3254.6	3279.0	2905.9	2408.4	2159.8	1798.3
107.5°	3598.2	3604.1	3627.7	3651.4	3627.7	3604.1	3598.2	3077.8	2383.9	2037.0	1718.2
110°	3680.0	3705.5	3807.4	3909.2	3807.4	3705.5	3680.0	3098.3	2322.6	1934.7	1647.3



TEST NUMBER: P935620

CATALOG NUMBER: SQ4-FA-125U-100D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3627.8	3667.0	3823.4	3979.8	3823.4	3667.0	3627.8	3032.4	2238.5	1841.5	1585.3
115°	3450.9	3505.1	3722.0	3938.9	3722.0	3505.1	3450.9	2877.3	2112.4	1730.1	1514.3
117.5°	3206.4	3266.5	3507.0	3747.6	3507.0	3266.5	3206.4	2688.6	1998.4	1653.3	1469.8
120°	3041.7	3100.0	3333.8	3567.5	3333.8	3100.0	3041.7	2568.6	1938.0	1622.6	1454.8
122.5°	2877.0	2934.6	3165.2	3395.7	3165.2	2934.6	2877.0	2451.0	1883.0	1599.1	1446.9
125°	2659.0	2712.1	2924.5	3136.8	2924.5	2712.1	2659.0	2297.2	1814.8	1573.5	1440.5
127.5°	2484.0	2528.8	2708.0	2887.1	2708.0	2528.8	2484.0	2173.4	1759.1	1552.0	1436.7
130°	2373.6	2415.0	2580.5	2745.9	2580.5	2415.0	2373.6	2097.0	1728.2	1543.8	1439.0
132.5°	2279.4	2316.5	2464.8	2613.0	2464.8	2316.5	2279.4	2031.8	1701.7	1536.6	1440.5
135°	2146.4	2178.3	2306.2	2433.9	2306.2	2178.3	2146.4	1939.0	1662.6	1524.4	1439.1
137.5°	2048.2	2074.4	2178.9	2283.6	2178.9	2074.4	2048.2	1873.0	1639.2	1522.3	1448.0
140°	1969.5	1993.9	2091.7	2189.4	2091.7	1993.9	1969.5	1818.0	1616.2	1515.2	1449.5
142.5°	1914.2	1935.2	2019.3	2103.5	2019.3	1935.2	1914.2	1781.2	1603.8	1515.2	1454.7
145°	1831.4	1847.3	1910.9	1974.5	1910.9	1847.3	1831.4	1722.6	1577.4	1504.9	1454.7
147.5°	1761.8	1774.9	1827.7	1880.5	1827.7	1774.9	1761.8	1676.1	1562.0	1504.9	1464.7
150°	1721.9	1732.6	1775.3	1818.0	1775.3	1732.6	1721.9	1649.6	1553.1	1504.9	1469.9
152.5°	1690.2	1698.3	1730.5	1762.8	1730.5	1698.3	1690.2	1628.4	1546.1	1504.9	1473.3
155°	1652.3	1657.7	1679.0	1700.3	1679.0	1657.7	1652.3	1603.2	1537.7	1504.9	1480.8
157.5°	1619.5	1623.3	1638.3	1653.3	1638.3	1623.3	1619.5	1581.3	1530.4	1504.9	1488.3
160°	1603.1	1605.3	1613.9	1622.6	1613.9	1605.3	1603.1	1570.4	1526.8	1504.9	1491.8
162.5°	1587.8	1589.9	1598.1	1606.3	1598.1	1589.9	1587.8	1560.2	1523.3	1504.9	1495.3
165°	1564.3	1566.5	1575.1	1583.8	1575.1	1566.5	1564.3	1544.5	1518.2	1504.9	1500.6
167.5°	1554.0	1554.9	1558.6	1562.2	1558.6	1554.9	1554.0	1541.1	1523.8	1515.2	1511.5
170°	1554.0	1554.0	1554.0	1554.0	1554.0	1554.0	1554.0	1541.1	1523.8	1515.2	1515.0
172.5°	1545.9	1545.1	1541.9	1538.7	1541.9	1545.1	1545.9	1535.6	1522.0	1515.2	1515.2
175°	1534.7	1534.7	1534.7	1534.7	1534.7	1534.7	1534.7	1528.1	1519.5	1515.2	1517.3
177.5°	1532.6	1531.7	1528.0	1524.4	1528.0	1531.7	1532.6	1527.4	1520.6	1517.3	1518.9
180°	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4



TEST NUMBER: P935620

CATALOG NUMBER: SQ4-FA-125U-100D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2759.6	2759.6	2759.6	2759.6	2759.6
2.5°	2725.6	2738.7	2746.5	2757.0	2783.1
5°	2621.2	2670.8	2686.5	2725.6	2772.6
7.5°	2391.5	2542.9	2584.6	2678.7	2751.8
10°	2169.5	2321.0	2394.0	2616.0	2725.6
12.5°	2057.3	2146.0	2195.6	2506.4	2689.0
15°	1986.8	2049.4	2086.0	2360.1	2647.3
17.5°	1931.9	1976.4	2002.5	2216.6	2589.8
20°	1898.0	1918.9	1942.4	2112.1	2524.6
22.5°	1874.5	1861.5	1879.8	2039.0	2435.8
25°	1858.8	1809.2	1830.2	1981.5	2331.4
27.5°	1872.0	1762.3	1770.1	1929.4	2221.7
30°	1874.5	1704.8	1707.5	1874.5	2099.0
32.5°	1856.3	1644.8	1647.4	1806.7	1960.7
35°	1811.9	1574.3	1571.7	1728.3	1772.7
37.5°	1751.8	1498.6	1498.6	1642.2	1566.5
40°	1678.7	1422.8	1430.7	1529.9	1383.7
42.5°	1590.0	1341.9	1352.4	1381.1	1247.9
45°	1493.4	1263.7	1271.5	1167.0	1143.5
47.5°	1386.4	1182.6	1185.3	968.6	1109.6
50°	1258.4	1099.2	1088.7	830.2	1107.0
52.5°	1146.1	1007.8	976.4	751.9	1005.2
55°	1036.5	911.1	843.3	691.9	932.1
57.5°	939.9	785.9	720.5	621.4	916.4
60°	851.1	663.1	613.5	545.7	840.7
62.5°	778.0	571.8	561.3	493.4	762.3
65°	699.7	509.1	506.4	449.0	647.4
67.5°	624.0	467.3	464.8	407.3	493.4
70°	543.0	423.0	417.7	362.9	365.5
72.5°	459.5	373.4	368.1	326.3	302.8
75°	375.9	315.9	313.3	284.5	245.4
77.5°	295.0	250.7	255.9	229.7	180.1
80°	211.4	182.8	188.0	164.5	135.8
82.5°	141.0	120.1	125.3	104.4	91.4
85°	78.3	67.9	70.4	54.8	41.8
87.5°	36.6	31.3	31.3	20.8	13.0
90°	45.1	28.7	26.6	18.5	10.3
92.5°	277.6	197.5	180.1	110.5	40.9
95°	683.1	384.7	352.9	225.6	98.2
97.5°	920.1	422.6	394.5	282.2	169.8
100°	1006.4	454.3	428.8	326.9	225.1
102.5°	1046.0	486.0	462.2	367.1	272.1
105°	1075.2	533.0	512.9	432.4	351.9
107.5°	1080.7	602.6	583.8	508.8	433.8
110°	1072.6	641.5	624.6	556.8	489.1



TEST NUMBER: P935620

CATALOG NUMBER: SQ4-FA-125U-100D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1072.9	688.5	672.4	607.8	543.3
115°	1082.7	759.1	744.2	684.7	625.1
117.5°	1102.9	827.6	814.1	760.1	705.9
120°	1119.2	867.6	854.8	803.9	753.0
122.5°	1142.7	914.6	901.7	850.4	799.0
125°	1174.4	975.0	963.3	916.5	869.6
127.5°	1206.2	1033.3	1021.5	974.3	926.9
130°	1229.4	1072.2	1059.4	1008.6	957.6
132.5°	1248.1	1103.9	1091.1	1040.3	989.3
135°	1268.6	1140.7	1129.2	1082.7	1036.4
137.5°	1299.3	1187.8	1176.3	1130.4	1084.4
140°	1318.1	1219.5	1208.9	1166.6	1124.3
142.5°	1333.7	1243.0	1233.2	1194.2	1155.1
145°	1354.3	1278.9	1270.4	1236.2	1202.1
147.5°	1384.3	1323.9	1315.6	1282.4	1249.2
150°	1399.9	1347.4	1339.9	1309.9	1279.9
152.5°	1410.2	1362.7	1357.0	1334.3	1311.6
155°	1432.7	1396.5	1392.3	1375.5	1358.7
157.5°	1455.1	1430.2	1426.2	1409.8	1393.5
160°	1465.4	1445.6	1442.5	1429.7	1417.0
162.5°	1476.3	1461.9	1459.6	1450.0	1440.5
165°	1492.0	1485.6	1483.4	1474.8	1466.1
167.5°	1504.2	1498.8	1497.8	1493.7	1489.6
170°	1514.5	1514.2	1513.2	1509.1	1504.9
172.5°	1515.2	1515.2	1515.0	1514.0	1513.1
175°	1521.3	1524.4	1524.4	1524.4	1524.4
177.5°	1522.0	1524.4	1524.4	1524.4	1524.4
180°	1524.4	1524.4	1524.4	1524.4	1524.4



TEST NUMBER: P935620
 CATALOG NUMBER: SQ4-FA-125U-100D-840-1D-UNV-STD-W-8

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	12.88	13.67	13.90	14.70	16.09	15.72	16.51	16.74	17.54	18.92
	3H	13.35	14.06	14.38	15.10	16.50	17.06	17.77	18.09	18.81	20.21
	4H	13.54	14.21	14.58	15.26	16.66	17.50	18.18	18.55	19.22	20.63
	6H	13.65	14.28	14.71	15.32	16.74	17.79	18.41	18.84	19.45	20.87
	8H	13.65	14.24	14.71	15.31	16.72	17.86	18.45	18.92	19.51	20.93
	12H	13.62	14.18	14.69	15.24	16.68	17.90	18.46	18.96	19.51	20.95
4H	2H	13.91	14.58	14.96	15.62	17.03	16.12	16.79	17.17	17.83	19.24
	3H	14.93	15.49	15.99	16.56	17.98	17.62	18.18	18.68	19.25	20.67
	4H	15.20	15.71	16.27	16.78	18.22	18.15	18.66	19.21	19.72	21.17
	6H	15.32	15.76	16.40	16.85	18.28	18.51	18.95	19.59	20.04	21.47
	8H	15.33	15.74	16.40	16.81	18.27	18.62	19.03	19.69	20.11	21.56
	12H	15.29	15.66	16.38	16.75	18.21	18.67	19.04	19.76	20.14	21.59
8H	4H	15.65	16.06	16.73	17.14	18.59	18.27	18.68	19.34	19.76	21.21
	6H	15.91	16.25	17.01	17.37	18.82	18.70	19.04	19.80	20.16	21.61
	8H	15.95	16.25	17.06	17.35	18.82	18.85	19.15	19.96	20.25	21.72
	12H	15.93	16.19	17.04	17.29	18.80	18.95	19.21	20.06	20.31	21.82
12H	4H	15.65	16.03	16.75	17.12	18.57	18.23	18.60	19.32	19.69	21.15
	6H	15.97	16.27	17.07	17.37	18.84	18.70	19.00	19.80	20.10	21.57
	8H	16.03	16.30	17.14	17.39	18.90	18.86	19.12	19.97	20.22	21.73