

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: P935113

Luminaire Tested: SQ4-FA-100U-075D-835-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935113
REPORT IS A COMBINATION OF REPORTS P933741 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-075D-835-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

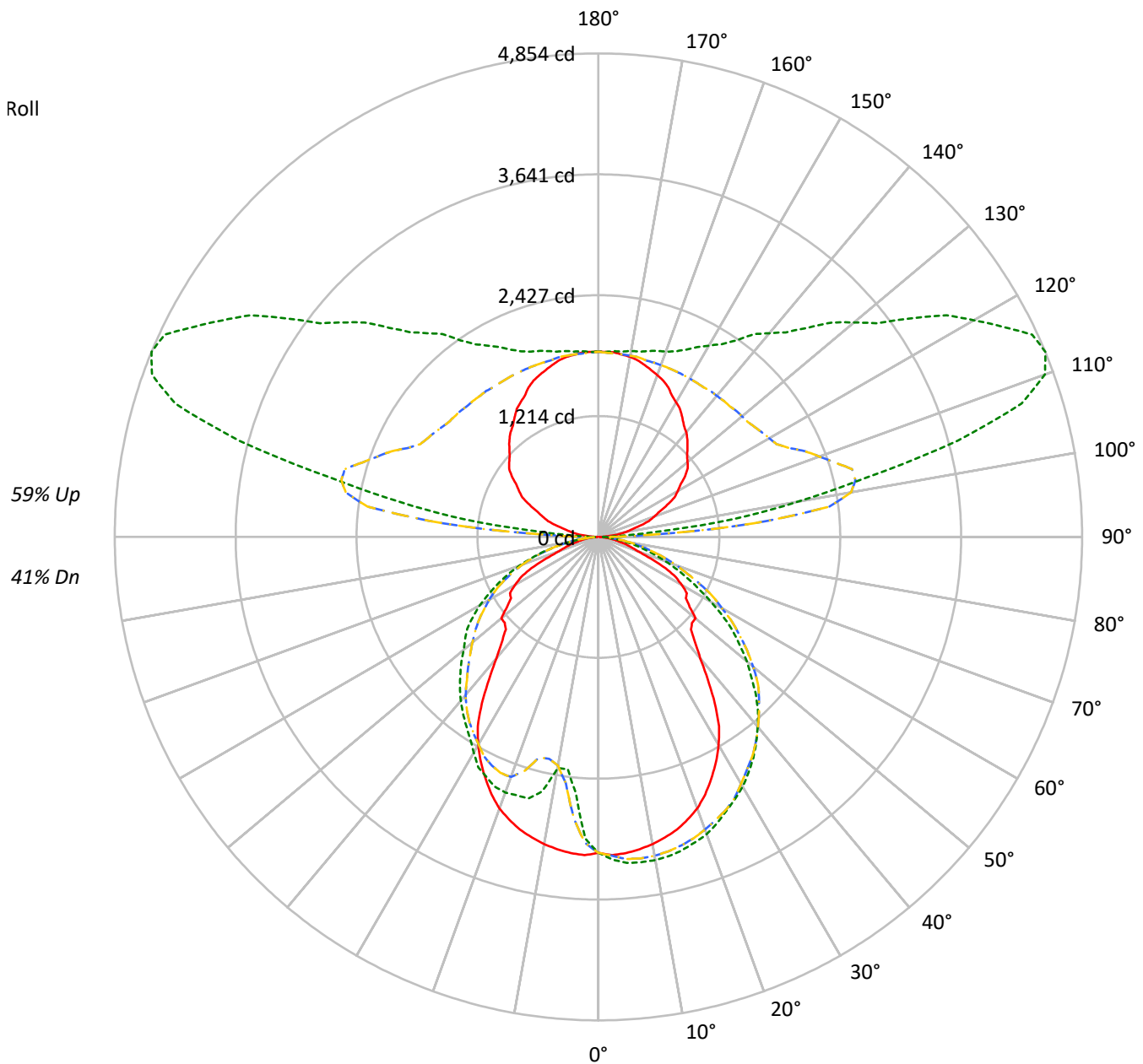
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20281.9 lumens
Efficiency: N/A
Efficacy: 137.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 147.6
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: P935113
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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				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	78	78	78	62	62	62	47	47	47	47	47	47	41
1	96	91	88	84	87	83	80	77	68	66	64	55	53	52	42	41	40	40	40	40	34
2	87	80	74	69	79	73	68	63	60	56	53	48	45	43	37	35	34	34	34	34	29
3	79	70	63	57	72	64	58	53	53	48	45	42	39	37	33	31	29	29	29	29	24
4	73	62	54	48	66	57	50	45	47	42	38	38	34	31	29	27	25	25	25	25	21
5	67	55	47	41	60	51	44	38	42	37	33	34	30	27	26	24	22	22	22	22	18
6	61	49	41	36	56	45	38	33	38	32	28	31	27	24	24	21	19	19	19	19	16
7	57	45	37	31	51	41	34	29	34	29	25	28	24	21	22	19	17	17	17	17	14
8	52	40	33	27	48	37	30	26	31	26	22	25	21	18	20	17	15	15	15	15	13
9	49	37	29	24	44	34	27	23	28	23	20	23	19	17	18	16	13	13	13	13	11
10	46	34	26	22	41	31	25	20	26	21	18	21	18	15	17	14	12	12	12	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9808	9808	9808	9808
5°	9885	9901	9885	7785
10°	9823	9753	9823	6973
15°	9720	9542	9720	7968
20°	9520	9292	9520	7984
25°	9108	8926	9108	7815
30°	8573	8623	8573	7443
35°	7647	8240	7647	7035
40°	6375	7788	6375	6727
45°	5700	7260	5700	6372
50°	6061	6630	6061	6016
55°	5708	5951	5708	5810
60°	5891	5054	5891	5321
65°	5350	4178	5350	4670
70°	3713	3330	3713	3915
75°	3268	2461	3268	2947
80°	2653	1627	2653	1772
85°	1555	862	1555	733

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8731 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.2	1.4
10°-20°	812.7	4.0
20°-30°	1256.3	6.2
30°-40°	1499.8	7.4
40°-50°	1508.6	7.4
50°-60°	1312.6	6.5
60°-70°	930.7	4.6
70°-80°	492.4	2.4
80°-90°	129.7	0.6
90°-100°	906.3	4.5
100°-110°	2382.7	11.7
110°-120°	2470.6	12.2
120°-130°	1981.7	9.8
130°-140°	1555.0	7.7
140°-150°	1193.5	5.9
150°-160°	859.5	4.2
160°-170°	525.9	2.6
170°-180°	177.7	0.9
0°-30°	2355.3	11.6
0°-40°	3855.1	19.0
0°-60°	6676.2	32.9
0°-90°	8229.0	40.6
90°-120°	5759.6	28.4
90°-150°	10489.8	51.7
90°-180°	12053.0	59.4
0°-180°	20281.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3171	3171	3171	3171	3171	
5°	3186	3285	3186	2583	3186	302
15°	3042	3255	3042	2718	3042	856
25°	2679	3036	2679	2658	2679	1230
35°	2037	2709	2037	2313	2037	1260
45°	1314	2232	1314	1959	1314	1053
55°	1071	1647	1071	1608	1071	984
65°	744	993	744	1110	744	711
75°	282	471	282	564	282	296
85°	48	120	48	102	48	65
90°	12	47	12	47	12	12
95°	120	548	120	548	120	133
105°	429	3731	429	3731	429	455
115°	762	4804	762	4804	762	753
125°	1061	3826	1061	3826	1061	942
135°	1264	2969	1264	2969	1264	978
145°	1466	2408	1466	2408	1466	919
155°	1657	2074	1657	2074	1657	761
165°	1788	1932	1788	1932	1788	505
175°	1859	1872	1859	1872	1859	176
180°	1859	1859	1859	1859	1859	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1
2.5°	3198.1	3198.1	3216.1	3222.1	3222.1	3213.1	3204.1	3213.1	3240.1	3249.1	3246.1
5°	3186.1	3210.1	3243.1	3249.1	3255.1	3252.1	3246.1	3252.1	3282.1	3288.1	3291.1
7.5°	3162.1	3207.1	3249.1	3258.1	3267.1	3258.1	3255.1	3261.1	3291.1	3297.1	3297.1
10°	3132.1	3195.1	3243.1	3249.1	3258.1	3249.1	3249.1	3261.1	3291.1	3297.1	3300.1
12.5°	3090.1	3177.1	3222.1	3228.1	3240.1	3237.1	3234.1	3246.1	3276.1	3282.1	3282.1
15°	3042.1	3144.1	3186.1	3192.1	3213.1	3207.1	3207.1	3219.1	3252.1	3261.1	3258.1
17.5°	2976.1	3102.1	3150.1	3159.1	3174.1	3171.1	3174.1	3186.1	3216.1	3222.1	3225.1
20°	2901.1	3045.1	3102.1	3111.1	3126.1	3126.1	3126.1	3141.1	3171.1	3183.1	3183.1
22.5°	2799.1	2985.1	3045.1	3051.1	3069.1	3069.1	3075.1	3096.1	3123.1	3126.1	3126.1
25°	2679.1	2919.1	2970.1	2988.1	3006.1	3015.1	3024.1	3036.1	3045.1	3042.1	3045.1
27.5°	2553.0	2835.1	2901.1	2913.1	2937.1	2946.1	2958.1	2961.1	2964.1	2973.1	2967.1
30°	2412.0	2718.1	2817.1	2829.1	2868.1	2874.1	2862.1	2868.1	2883.1	2889.1	2895.1
32.5°	2253.0	2544.0	2730.1	2757.1	2793.1	2775.1	2772.1	2781.1	2805.1	2805.1	2811.1
35°	2037.0	2409.0	2649.1	2673.1	2700.1	2679.1	2691.1	2694.1	2709.1	2718.1	2715.1
37.5°	1800.0	2292.0	2565.0	2583.0	2604.0	2577.0	2595.0	2604.0	2616.0	2610.0	2610.0
40°	1590.0	2109.0	2466.0	2478.0	2496.0	2475.0	2493.0	2499.0	2505.0	2499.0	2496.0
42.5°	1434.0	1908.0	2361.0	2376.0	2364.0	2379.0	2385.0	2397.0	2388.0	2376.0	2376.0
45°	1314.0	1854.0	2247.0	2265.0	2247.0	2271.0	2280.0	2280.0	2253.0	2247.0	2244.0
47.5°	1275.0	1746.0	2133.0	2133.0	2124.0	2154.0	2169.0	2148.0	2121.0	2112.0	2112.0
50°	1272.0	1626.0	1977.0	1965.0	2007.0	2043.0	2028.0	2007.0	1986.0	1953.0	1953.0
52.5°	1155.0	1479.0	1776.0	1821.0	1887.0	1908.0	1884.0	1863.0	1827.0	1812.0	1800.0
55°	1071.0	1326.0	1593.0	1683.0	1752.0	1779.0	1734.0	1713.0	1659.0	1650.0	1644.0
57.5°	1053.0	1104.0	1425.0	1539.0	1623.0	1620.0	1593.0	1554.0	1509.0	1500.0	1497.0
60°	966.0	798.0	1245.0	1380.0	1467.0	1458.0	1434.0	1398.0	1356.0	1350.0	1344.0
62.5°	876.0	579.0	1041.0	1194.0	1317.0	1314.0	1293.0	1239.0	1209.0	1194.0	1182.0
65°	744.0	486.0	741.0	993.0	1170.0	1176.0	1131.0	1092.0	1059.0	1041.0	1038.0
67.5°	567.0	396.0	501.0	828.0	1029.0	1023.0	966.0	948.0	906.0	897.0	879.0
70°	420.0	264.0	348.0	672.0	891.0	876.0	831.0	810.0	771.0	750.0	738.0
72.5°	348.0	213.0	255.0	522.0	750.0	732.0	693.0	669.0	636.0	618.0	606.0
75°	282.0	225.0	195.0	387.0	609.0	597.0	561.0	537.0	510.0	486.0	489.0
77.5°	207.0	210.0	156.0	285.0	483.0	465.0	444.0	414.0	402.0	378.0	378.0
80°	156.0	165.0	117.0	195.0	348.0	348.0	330.0	309.0	288.0	276.0	276.0
82.5°	105.0	105.0	87.0	123.0	237.0	228.0	216.0	210.0	198.0	192.0	192.0
85°	48.0	60.0	54.0	75.0	129.0	135.0	135.0	129.0	126.0	120.0	123.0
87.5°	15.0	27.0	33.0	42.0	66.0	69.0	72.0	72.0	72.0	75.0	75.0
90°	12.5	22.5	32.4	34.9	54.9	81.5	94.8	84.3	63.2	47.4	47.4
92.5°	49.9	134.7	219.6	240.8	338.6	468.9	534.1	468.1	336.1	237.1	227.7
95°	119.8	275.1	430.4	469.2	833.1	1318.4	1561.0	1393.0	1056.9	804.8	776.2
97.5°	207.1	344.1	481.1	515.4	1122.2	1931.3	2335.9	2229.7	2017.3	1858.0	1803.7
100°	274.5	398.7	522.9	554.0	1227.4	2125.3	2574.3	2582.1	2597.6	2609.2	2544.5
102.5°	331.9	447.8	563.7	592.7	1275.7	2186.4	2641.7	2777.0	3047.6	3250.6	3195.1
105°	429.3	527.4	625.6	650.1	1311.5	2193.3	2634.2	2937.6	3544.3	3999.3	3969.5
107.5°	529.1	620.6	712.1	735.0	1318.1	2095.6	2484.4	2907.6	3753.9	4388.6	4395.8
110°	596.5	679.1	761.7	782.4	1308.1	2009.1	2359.6	2832.7	3778.8	4488.4	4519.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	662.6	741.4	820.1	839.8	1308.6	1933.6	2246.1	2730.3	3698.6	4424.8	4472.5
115°	762.4	835.1	907.7	925.9	1320.6	1846.9	2110.1	2576.5	3509.3	4208.9	4275.0
117.5°	861.0	927.0	993.0	1009.5	1345.2	1792.7	2016.5	2437.4	3279.3	3910.7	3984.0
120°	918.4	980.5	1042.7	1058.2	1365.2	1774.5	1979.1	2363.7	3132.9	3709.8	3781.1
122.5°	974.6	1037.3	1099.9	1115.6	1393.9	1764.9	1950.4	2296.7	2989.4	3508.9	3579.2
125°	1060.7	1117.8	1174.9	1189.2	1432.5	1757.0	1919.2	2213.4	2801.8	3243.1	3307.8
127.5°	1130.5	1188.2	1245.9	1260.3	1471.2	1752.4	1893.0	2145.6	2650.8	3029.7	3084.3
130°	1168.0	1230.1	1292.2	1307.7	1499.5	1755.2	1883.0	2107.9	2557.7	2895.0	2945.5
132.5°	1206.7	1268.8	1330.9	1346.4	1522.3	1756.9	1874.2	2075.5	2478.2	2780.2	2825.4
135°	1264.1	1320.6	1377.2	1391.3	1547.3	1755.3	1859.3	2027.9	2365.0	2617.9	2656.9
137.5°	1322.7	1378.7	1434.7	1448.7	1584.7	1766.1	1856.8	1999.3	2284.4	2498.2	2530.1
140°	1371.4	1423.0	1474.5	1487.4	1607.6	1767.9	1848.0	1971.1	2217.4	2402.1	2431.9
142.5°	1408.8	1456.5	1504.2	1516.1	1626.7	1774.2	1848.0	1956.2	2172.5	2334.7	2360.3
145°	1466.2	1507.8	1549.4	1559.8	1651.7	1774.3	1835.6	1924.0	2100.9	2233.6	2253.0
147.5°	1523.6	1564.1	1604.6	1614.7	1688.3	1786.5	1835.6	1905.2	2044.4	2148.8	2164.9
150°	1561.0	1597.6	1634.2	1643.4	1707.5	1792.9	1835.6	1894.4	2011.9	2100.1	2113.1
152.5°	1599.7	1627.4	1655.2	1662.1	1719.9	1797.0	1835.6	1885.8	1986.1	2061.4	2071.2
155°	1657.1	1677.6	1698.2	1703.3	1747.4	1806.2	1835.6	1875.5	1955.3	2015.2	2021.7
157.5°	1699.5	1719.5	1739.5	1744.5	1774.9	1815.4	1835.6	1866.6	1928.7	1975.3	1979.9
160°	1728.2	1743.8	1759.3	1763.2	1787.3	1819.5	1835.6	1862.2	1915.4	1955.3	1957.9
162.5°	1756.9	1768.5	1780.2	1783.1	1800.6	1823.9	1835.6	1858.0	1902.9	1936.6	1939.1
165°	1788.1	1798.6	1809.2	1811.8	1819.7	1830.3	1835.6	1851.7	1883.8	1907.9	1910.5
167.5°	1816.8	1821.8	1826.8	1828.1	1834.7	1843.6	1848.0	1858.6	1879.7	1895.5	1896.6
170°	1835.6	1840.6	1845.6	1846.8	1847.2	1847.7	1848.0	1858.6	1879.7	1895.5	1895.5
172.5°	1845.5	1846.6	1847.7	1848.0	1848.0	1848.0	1848.0	1856.3	1873.0	1885.5	1884.5
175°	1859.3	1859.3	1859.3	1859.3	1855.5	1850.5	1848.0	1853.3	1863.8	1871.7	1871.7
177.5°	1859.3	1859.3	1859.3	1859.3	1856.4	1852.5	1850.5	1854.7	1863.0	1869.2	1868.1
180°	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1
2.5°	3252.1	3243.1	3252.1	3246.1	3249.1	3240.1	3213.1	3204.1	3213.1	3222.1	3222.1
5°	3291.1	3285.1	3291.1	3291.1	3288.1	3282.1	3252.1	3246.1	3252.1	3255.1	3249.1
7.5°	3303.1	3294.1	3303.1	3297.1	3297.1	3291.1	3261.1	3255.1	3258.1	3267.1	3258.1
10°	3303.1	3294.1	3303.1	3300.1	3297.1	3291.1	3261.1	3249.1	3249.1	3258.1	3249.1
12.5°	3288.1	3282.1	3288.1	3282.1	3282.1	3276.1	3246.1	3234.1	3237.1	3240.1	3228.1
15°	3264.1	3255.1	3264.1	3258.1	3261.1	3252.1	3219.1	3207.1	3207.1	3213.1	3192.1
17.5°	3228.1	3216.1	3228.1	3225.1	3222.1	3216.1	3186.1	3174.1	3171.1	3174.1	3159.1
20°	3186.1	3177.1	3186.1	3183.1	3183.1	3171.1	3141.1	3126.1	3126.1	3126.1	3111.1
22.5°	3120.1	3111.1	3120.1	3126.1	3126.1	3123.1	3096.1	3075.1	3069.1	3069.1	3051.1
25°	3045.1	3036.1	3045.1	3045.1	3042.1	3045.1	3036.1	3024.1	3015.1	3006.1	2988.1
27.5°	2973.1	2967.1	2973.1	2967.1	2973.1	2964.1	2961.1	2958.1	2946.1	2937.1	2913.1
30°	2901.1	2895.1	2901.1	2895.1	2889.1	2883.1	2868.1	2862.1	2874.1	2868.1	2829.1
32.5°	2811.1	2805.1	2811.1	2811.1	2805.1	2805.1	2781.1	2772.1	2775.1	2793.1	2757.1
35°	2718.1	2709.1	2718.1	2715.1	2718.1	2709.1	2694.1	2691.1	2679.1	2700.1	2673.1
37.5°	2610.0	2601.0	2610.0	2610.0	2610.0	2616.0	2604.0	2595.0	2577.0	2604.0	2583.0
40°	2499.0	2487.0	2499.0	2496.0	2499.0	2505.0	2499.0	2493.0	2475.0	2496.0	2478.0
42.5°	2373.0	2370.0	2373.0	2376.0	2376.0	2388.0	2397.0	2385.0	2379.0	2364.0	2376.0
45°	2238.0	2232.0	2238.0	2244.0	2247.0	2253.0	2280.0	2280.0	2271.0	2247.0	2265.0
47.5°	2094.0	2079.0	2094.0	2112.0	2112.0	2121.0	2148.0	2169.0	2154.0	2124.0	2133.0
50°	1941.0	1944.0	1941.0	1953.0	1953.0	1986.0	2007.0	2028.0	2043.0	2007.0	1965.0
52.5°	1791.0	1788.0	1791.0	1800.0	1812.0	1827.0	1863.0	1884.0	1908.0	1887.0	1821.0
55°	1641.0	1647.0	1641.0	1644.0	1650.0	1659.0	1713.0	1734.0	1779.0	1752.0	1683.0
57.5°	1491.0	1482.0	1491.0	1497.0	1500.0	1509.0	1554.0	1593.0	1620.0	1623.0	1539.0
60°	1317.0	1305.0	1317.0	1344.0	1350.0	1356.0	1398.0	1434.0	1458.0	1467.0	1380.0
62.5°	1164.0	1143.0	1164.0	1182.0	1194.0	1209.0	1239.0	1293.0	1314.0	1317.0	1194.0
65°	1002.0	993.0	1002.0	1038.0	1041.0	1059.0	1092.0	1131.0	1176.0	1170.0	993.0
67.5°	855.0	855.0	855.0	879.0	897.0	906.0	948.0	966.0	1023.0	1029.0	828.0
70°	720.0	717.0	720.0	738.0	750.0	771.0	810.0	831.0	876.0	891.0	672.0
72.5°	591.0	588.0	591.0	606.0	618.0	636.0	669.0	693.0	732.0	750.0	522.0
75°	477.0	471.0	477.0	489.0	486.0	510.0	537.0	561.0	597.0	609.0	387.0
77.5°	366.0	366.0	366.0	378.0	378.0	402.0	414.0	444.0	465.0	483.0	285.0
80°	273.0	270.0	273.0	276.0	276.0	288.0	309.0	330.0	348.0	348.0	195.0
82.5°	192.0	186.0	192.0	192.0	192.0	198.0	210.0	216.0	228.0	237.0	123.0
85°	120.0	120.0	120.0	123.0	120.0	126.0	129.0	135.0	135.0	129.0	75.0
87.5°	78.0	75.0	78.0	75.0	75.0	72.0	72.0	72.0	69.0	66.0	42.0
90°	47.4	47.4	47.4	47.4	47.4	63.2	84.3	94.8	81.5	54.9	34.9
92.5°	189.9	152.2	189.9	227.7	237.1	336.1	468.1	534.1	468.9	338.6	240.8
95°	662.0	547.8	662.0	776.2	804.8	1056.9	1393.0	1561.0	1318.4	833.1	469.2
97.5°	1586.3	1368.9	1586.3	1803.7	1858.0	2017.3	2229.7	2335.9	1931.3	1122.2	515.4
100°	2285.5	2026.5	2285.5	2544.5	2609.2	2597.6	2582.1	2574.3	2125.3	1227.4	554.0
102.5°	2973.3	2751.5	2973.3	3195.1	3250.6	3047.6	2777.0	2641.7	2186.4	1275.7	592.7
105°	3850.2	3731.0	3850.2	3969.5	3999.3	3544.3	2937.6	2634.2	2193.3	1311.5	650.1
107.5°	4424.7	4453.5	4424.7	4395.8	4388.6	3753.9	2907.6	2484.4	2095.6	1318.1	735.0
110°	4643.7	4768.0	4643.7	4519.5	4488.4	3778.8	2832.7	2359.6	2009.1	1308.1	782.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4663.3	4854.1	4663.3	4472.5	4424.8	3698.6	2730.3	2246.1	1933.6	1308.6	839.8
115°	4539.6	4804.1	4539.6	4275.0	4208.9	3509.3	2576.5	2110.1	1846.9	1320.6	925.9
117.5°	4277.4	4570.8	4277.4	3984.0	3910.7	3279.3	2437.4	2016.5	1792.7	1345.2	1009.5
120°	4066.1	4351.2	4066.1	3781.1	3709.8	3132.9	2363.7	1979.1	1774.5	1365.2	1058.2
122.5°	3860.3	4141.5	3860.3	3579.2	3508.9	2989.4	2296.7	1950.4	1764.9	1393.9	1115.6
125°	3566.8	3825.8	3566.8	3307.8	3243.1	2801.8	2213.4	1919.2	1757.0	1432.5	1189.2
127.5°	3302.9	3521.4	3302.9	3084.3	3029.7	2650.8	2145.6	1893.0	1752.4	1471.2	1260.3
130°	3147.3	3349.2	3147.3	2945.5	2895.0	2557.7	2107.9	1883.0	1755.2	1499.5	1307.7
132.5°	3006.2	3187.0	3006.2	2825.4	2780.2	2478.2	2075.5	1874.2	1756.9	1522.3	1346.4
135°	2812.7	2968.6	2812.7	2656.9	2617.9	2365.0	2027.9	1859.3	1755.3	1547.3	1391.3
137.5°	2657.6	2785.2	2657.6	2530.1	2498.2	2284.4	1999.3	1856.8	1766.1	1584.7	1448.7
140°	2551.2	2670.4	2551.2	2431.9	2402.1	2217.4	1971.1	1848.0	1767.9	1607.6	1487.4
142.5°	2462.9	2565.5	2462.9	2360.3	2334.7	2172.5	1956.2	1848.0	1774.2	1626.7	1516.1
145°	2330.7	2408.3	2330.7	2253.0	2233.6	2100.9	1924.0	1835.6	1774.3	1651.7	1559.8
147.5°	2229.2	2293.5	2229.2	2164.9	2148.8	2044.4	1905.2	1835.6	1786.5	1688.3	1614.7
150°	2165.3	2217.4	2165.3	2113.1	2100.1	2011.9	1894.4	1835.6	1792.9	1707.5	1643.4
152.5°	2110.6	2150.0	2110.6	2071.2	2061.4	1986.1	1885.8	1835.6	1797.0	1719.9	1662.1
155°	2047.8	2073.9	2047.8	2021.7	2015.2	1955.3	1875.5	1835.6	1806.2	1747.4	1703.3
157.5°	1998.2	2016.5	1998.2	1979.9	1975.3	1928.7	1866.6	1835.6	1815.4	1774.9	1744.5
160°	1968.5	1979.1	1968.5	1957.9	1955.3	1915.4	1862.2	1835.6	1819.5	1787.3	1763.2
162.5°	1949.1	1959.1	1949.1	1939.1	1936.6	1902.9	1858.0	1835.6	1823.9	1800.6	1783.1
165°	1921.1	1931.6	1921.1	1910.5	1907.9	1883.8	1851.7	1835.6	1830.3	1819.7	1811.8
167.5°	1901.0	1905.4	1901.0	1896.6	1895.5	1879.7	1858.6	1848.0	1843.6	1834.7	1828.1
170°	1895.5	1895.5	1895.5	1895.5	1895.5	1879.7	1858.6	1848.0	1847.7	1847.2	1846.8
172.5°	1880.6	1876.7	1880.6	1884.5	1885.5	1873.0	1856.3	1848.0	1848.0	1848.0	1848.0
175°	1871.7	1871.7	1871.7	1871.7	1871.7	1863.8	1853.3	1848.0	1850.5	1855.5	1859.3
177.5°	1863.7	1859.3	1863.7	1868.1	1869.2	1863.0	1854.7	1850.5	1852.5	1856.4	1859.3
180°	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1
2.5°	3216.1	3198.1	3198.1	3168.1	3156.1	3147.1	3132.1	3087.1	3075.1	3063.1	3081.1
5°	3243.1	3210.1	3186.1	3132.1	3087.1	3069.1	3012.1	2904.1	2832.1	2778.1	2748.1
7.5°	3249.1	3207.1	3162.1	3078.1	2970.1	2922.1	2748.1	2550.0	2496.0	2448.0	2418.0
10°	3243.1	3195.1	3132.1	3006.1	2751.1	2667.1	2493.0	2364.0	2331.0	2322.0	2331.0
12.5°	3222.1	3177.1	3090.1	2880.1	2523.0	2466.0	2364.0	2289.0	2283.0	2298.0	2379.0
15°	3186.1	3144.1	3042.1	2712.1	2397.0	2355.0	2283.0	2256.0	2289.0	2394.0	2637.0
17.5°	3150.1	3102.1	2976.1	2547.0	2301.0	2271.0	2220.0	2274.0	2460.0	2601.0	2682.1
20°	3102.1	3045.1	2901.1	2427.0	2232.0	2205.0	2181.0	2424.0	2565.0	2616.0	2661.1
22.5°	3045.1	2985.1	2799.1	2343.0	2160.0	2139.0	2154.0	2508.0	2565.0	2601.0	2640.0
25°	2970.1	2919.1	2679.1	2277.0	2103.0	2079.0	2136.0	2499.0	2532.0	2541.0	2619.0
27.5°	2901.1	2835.1	2553.0	2217.0	2034.0	2025.0	2151.0	2460.0	2484.0	2493.0	2577.0
30°	2817.1	2718.1	2412.0	2154.0	1962.0	1959.0	2154.0	2412.0	2406.0	2430.0	2514.0
32.5°	2730.1	2544.0	2253.0	2076.0	1893.0	1890.0	2133.0	2340.0	2334.0	2367.0	2430.0
35°	2649.1	2409.0	2037.0	1986.0	1806.0	1809.0	2082.0	2256.0	2259.0	2289.0	2328.0
37.5°	2565.0	2292.0	1800.0	1887.0	1722.0	1722.0	2013.0	2178.0	2172.0	2181.0	2235.0
40°	2466.0	2109.0	1590.0	1758.0	1644.0	1635.0	1929.0	2094.0	2073.0	2070.0	2145.0
42.5°	2361.0	1908.0	1434.0	1587.0	1554.0	1542.0	1827.0	1992.0	1953.0	1962.0	2058.0
45°	2247.0	1854.0	1314.0	1341.0	1461.0	1452.0	1716.0	1875.0	1848.0	1872.0	1971.0
47.5°	2133.0	1746.0	1275.0	1113.0	1362.0	1359.0	1593.0	1761.0	1746.0	1770.0	1875.0
50°	1977.0	1626.0	1272.0	954.0	1251.0	1263.0	1446.0	1650.0	1650.0	1671.0	1782.0
52.5°	1776.0	1479.0	1155.0	864.0	1122.0	1158.0	1317.0	1554.0	1560.0	1581.0	1680.0
55°	1593.0	1326.0	1071.0	795.0	969.0	1047.0	1191.0	1455.0	1467.0	1488.0	1578.0
57.5°	1425.0	1104.0	1053.0	714.0	828.0	903.0	1080.0	1359.0	1365.0	1383.0	1470.0
60°	1245.0	798.0	966.0	627.0	705.0	762.0	978.0	1245.0	1266.0	1278.0	1353.0
62.5°	1041.0	579.0	876.0	567.0	645.0	657.0	894.0	1137.0	1164.0	1173.0	1218.0
65°	741.0	486.0	744.0	516.0	582.0	585.0	804.0	1026.0	1050.0	1065.0	1098.0
67.5°	501.0	396.0	567.0	468.0	534.0	537.0	717.0	897.0	930.0	942.0	963.0
70°	348.0	264.0	420.0	417.0	480.0	486.0	624.0	780.0	810.0	819.0	831.0
72.5°	255.0	213.0	348.0	375.0	423.0	429.0	528.0	648.0	678.0	687.0	693.0
75°	195.0	225.0	282.0	327.0	360.0	363.0	432.0	528.0	549.0	555.0	558.0
77.5°	156.0	210.0	207.0	264.0	294.0	288.0	339.0	408.0	426.0	426.0	426.0
80°	117.0	165.0	156.0	189.0	216.0	210.0	243.0	291.0	297.0	303.0	300.0
82.5°	87.0	105.0	105.0	120.0	144.0	138.0	162.0	189.0	189.0	189.0	195.0
85°	54.0	60.0	48.0	63.0	81.0	78.0	90.0	102.0	105.0	105.0	99.0
87.5°	33.0	27.0	15.0	24.0	36.0	36.0	42.0	45.0	42.0	42.0	42.0
90°	32.4	22.5	12.5	22.5	32.4	34.9	54.9	81.5	94.8	84.3	63.2
92.5°	219.6	134.7	49.9	134.7	219.6	240.8	338.6	468.9	534.1	468.1	336.1
95°	430.4	275.1	119.8	275.1	430.4	469.2	833.1	1318.4	1561.0	1393.0	1056.9
97.5°	481.1	344.1	207.1	344.1	481.1	515.4	1122.2	1931.3	2335.9	2229.7	2017.3
100°	522.9	398.7	274.5	398.7	522.9	554.0	1227.4	2125.3	2574.3	2582.1	2597.6
102.5°	563.7	447.8	331.9	447.8	563.7	592.7	1275.7	2186.4	2641.7	2777.0	3047.6
105°	625.6	527.4	429.3	527.4	625.6	650.1	1311.5	2193.3	2634.2	2937.6	3544.3
107.5°	712.1	620.6	529.1	620.6	712.1	735.0	1318.1	2095.6	2484.4	2907.6	3753.9
110°	761.7	679.1	596.5	679.1	761.7	782.4	1308.1	2009.1	2359.6	2832.7	3778.8



TEST NUMBER: P935113

CATALOG NUMBER: SQ4-FA-100U-075D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	820.1	741.4	662.6	741.4	820.1	839.8	1308.6	1933.6	2246.1	2730.3	3698.6
115°	907.7	835.1	762.4	835.1	907.7	925.9	1320.6	1846.9	2110.1	2576.5	3509.3
117.5°	993.0	927.0	861.0	927.0	993.0	1009.5	1345.2	1792.7	2016.5	2437.4	3279.3
120°	1042.7	980.5	918.4	980.5	1042.7	1058.2	1365.2	1774.5	1979.1	2363.7	3132.9
122.5°	1099.9	1037.3	974.6	1037.3	1099.9	1115.6	1393.9	1764.9	1950.4	2296.7	2989.4
125°	1174.9	1117.8	1060.7	1117.8	1174.9	1189.2	1432.5	1757.0	1919.2	2213.4	2801.8
127.5°	1245.9	1188.2	1130.5	1188.2	1245.9	1260.3	1471.2	1752.4	1893.0	2145.6	2650.8
130°	1292.2	1230.1	1168.0	1230.1	1292.2	1307.7	1499.5	1755.2	1883.0	2107.9	2557.7
132.5°	1330.9	1268.8	1206.7	1268.8	1330.9	1346.4	1522.3	1756.9	1874.2	2075.5	2478.2
135°	1377.2	1320.6	1264.1	1320.6	1377.2	1391.3	1547.3	1755.3	1859.3	2027.9	2365.0
137.5°	1434.7	1378.7	1322.7	1378.7	1434.7	1448.7	1584.7	1766.1	1856.8	1999.3	2284.4
140°	1474.5	1423.0	1371.4	1423.0	1474.5	1487.4	1607.6	1767.9	1848.0	1971.1	2217.4
142.5°	1504.2	1456.5	1408.8	1456.5	1504.2	1516.1	1626.7	1774.2	1848.0	1956.2	2172.5
145°	1549.4	1507.8	1466.2	1507.8	1549.4	1559.8	1651.7	1774.3	1835.6	1924.0	2100.9
147.5°	1604.6	1564.1	1523.6	1564.1	1604.6	1614.7	1688.3	1786.5	1835.6	1905.2	2044.4
150°	1634.2	1597.6	1561.0	1597.6	1634.2	1643.4	1707.5	1792.9	1835.6	1894.4	2011.9
152.5°	1655.2	1627.4	1599.7	1627.4	1655.2	1662.1	1719.9	1797.0	1835.6	1885.8	1986.1
155°	1698.2	1677.6	1657.1	1677.6	1698.2	1703.3	1747.4	1806.2	1835.6	1875.5	1955.3
157.5°	1739.5	1719.5	1699.5	1719.5	1739.5	1744.5	1774.9	1815.4	1835.6	1866.6	1928.7
160°	1759.3	1743.8	1728.2	1743.8	1759.3	1763.2	1787.3	1819.5	1835.6	1862.2	1915.4
162.5°	1780.2	1768.5	1756.9	1768.5	1780.2	1783.1	1800.6	1823.9	1835.6	1858.0	1902.9
165°	1809.2	1798.6	1788.1	1798.6	1809.2	1811.8	1819.7	1830.3	1835.6	1851.7	1883.8
167.5°	1826.8	1821.8	1816.8	1821.8	1826.8	1828.1	1834.7	1843.6	1848.0	1858.6	1879.7
170°	1845.6	1840.6	1835.6	1840.6	1845.6	1846.8	1847.2	1847.7	1848.0	1858.6	1879.7
172.5°	1847.7	1846.6	1845.5	1846.6	1847.7	1848.0	1848.0	1848.0	1848.0	1856.3	1873.0
175°	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1855.5	1850.5	1848.0	1853.3	1863.8
177.5°	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1856.4	1852.5	1850.5	1854.7	1863.0
180°	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3



TEST NUMBER: P935113
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1
2.5°	3060.1	3051.1	3063.1	3030.1	3063.1	3051.1	3060.1	3081.1	3063.1	3075.1	3087.1
5°	2685.1	2670.1	2622.0	2583.0	2622.0	2670.1	2685.1	2748.1	2778.1	2832.1	2904.1
7.5°	2400.0	2388.0	2376.0	2352.0	2376.0	2388.0	2400.0	2418.0	2448.0	2496.0	2550.0
10°	2337.0	2340.0	2358.0	2355.0	2358.0	2340.0	2337.0	2331.0	2322.0	2331.0	2364.0
12.5°	2499.0	2526.0	2625.0	2619.0	2625.0	2526.0	2499.0	2379.0	2298.0	2283.0	2289.0
15°	2685.1	2694.1	2715.1	2718.1	2715.1	2694.1	2685.1	2637.0	2394.0	2289.0	2256.0
17.5°	2703.1	2706.1	2721.1	2721.1	2721.1	2706.1	2703.1	2682.1	2601.0	2460.0	2274.0
20°	2688.1	2694.1	2724.1	2730.1	2724.1	2694.1	2688.1	2661.1	2616.0	2565.0	2424.0
22.5°	2682.1	2694.1	2718.1	2715.1	2718.1	2694.1	2682.1	2640.0	2601.0	2565.0	2508.0
25°	2652.1	2652.1	2655.1	2658.1	2655.1	2652.1	2652.1	2619.0	2541.0	2532.0	2499.0
27.5°	2589.0	2595.0	2613.0	2610.0	2613.0	2595.0	2589.0	2577.0	2493.0	2484.0	2460.0
30°	2532.0	2526.0	2511.0	2499.0	2511.0	2526.0	2532.0	2514.0	2430.0	2406.0	2412.0
32.5°	2436.0	2421.0	2406.0	2397.0	2406.0	2421.0	2436.0	2430.0	2367.0	2334.0	2340.0
35°	2322.0	2325.0	2322.0	2313.0	2322.0	2325.0	2322.0	2328.0	2289.0	2259.0	2256.0
37.5°	2241.0	2247.0	2244.0	2232.0	2244.0	2247.0	2241.0	2235.0	2181.0	2172.0	2178.0
40°	2157.0	2160.0	2157.0	2148.0	2157.0	2160.0	2157.0	2145.0	2070.0	2073.0	2094.0
42.5°	2076.0	2073.0	2064.0	2058.0	2064.0	2073.0	2076.0	2058.0	1962.0	1953.0	1992.0
45°	1983.0	1986.0	1968.0	1959.0	1968.0	1986.0	1983.0	1971.0	1872.0	1848.0	1875.0
47.5°	1890.0	1890.0	1875.0	1866.0	1875.0	1890.0	1890.0	1875.0	1770.0	1746.0	1761.0
50°	1791.0	1788.0	1767.0	1764.0	1767.0	1788.0	1791.0	1782.0	1671.0	1650.0	1650.0
52.5°	1677.0	1677.0	1680.0	1686.0	1680.0	1677.0	1677.0	1680.0	1581.0	1560.0	1554.0
55°	1578.0	1581.0	1602.0	1608.0	1602.0	1581.0	1578.0	1578.0	1488.0	1467.0	1455.0
57.5°	1476.0	1476.0	1491.0	1491.0	1491.0	1476.0	1476.0	1470.0	1383.0	1365.0	1359.0
60°	1359.0	1365.0	1377.0	1374.0	1377.0	1365.0	1359.0	1353.0	1278.0	1266.0	1245.0
62.5°	1236.0	1242.0	1245.0	1239.0	1245.0	1242.0	1236.0	1218.0	1173.0	1164.0	1137.0
65°	1107.0	1113.0	1116.0	1110.0	1116.0	1113.0	1107.0	1098.0	1065.0	1050.0	1026.0
67.5°	975.0	972.0	969.0	981.0	969.0	972.0	975.0	963.0	942.0	930.0	897.0
70°	840.0	840.0	837.0	843.0	837.0	840.0	840.0	831.0	819.0	810.0	780.0
72.5°	696.0	693.0	705.0	696.0	705.0	693.0	696.0	693.0	687.0	678.0	648.0
75°	555.0	561.0	555.0	564.0	555.0	561.0	555.0	558.0	555.0	549.0	528.0
77.5°	423.0	429.0	423.0	423.0	423.0	429.0	423.0	426.0	426.0	426.0	408.0
80°	300.0	297.0	297.0	294.0	297.0	297.0	300.0	300.0	303.0	297.0	291.0
82.5°	192.0	189.0	189.0	195.0	189.0	189.0	192.0	195.0	189.0	189.0	189.0
85°	105.0	108.0	102.0	102.0	102.0	108.0	105.0	99.0	105.0	105.0	102.0
87.5°	39.0	36.0	36.0	36.0	36.0	36.0	39.0	42.0	42.0	42.0	45.0
90°	47.4	47.4	47.4	47.4	47.4	47.4	47.4	63.2	84.3	94.8	81.5
92.5°	237.1	227.7	189.9	152.2	189.9	227.7	237.1	336.1	468.1	534.1	468.9
95°	804.8	776.2	662.0	547.8	662.0	776.2	804.8	1056.9	1393.0	1561.0	1318.4
97.5°	1858.0	1803.7	1586.3	1368.9	1586.3	1803.7	1858.0	2017.3	2229.7	2335.9	1931.3
100°	2609.2	2544.5	2285.5	2026.5	2285.5	2544.5	2609.2	2597.6	2582.1	2574.3	2125.3
102.5°	3250.6	3195.1	2973.3	2751.5	2973.3	3195.1	3250.6	3047.6	2777.0	2641.7	2186.4
105°	3999.3	3969.5	3850.2	3731.0	3850.2	3969.5	3999.3	3544.3	2937.6	2634.2	2193.3
107.5°	4388.6	4395.8	4424.7	4453.5	4424.7	4395.8	4388.6	3753.9	2907.6	2484.4	2095.6
110°	4488.4	4519.5	4643.7	4768.0	4643.7	4519.5	4488.4	3778.8	2832.7	2359.6	2009.1



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4424.8	4472.5	4663.3	4854.1	4663.3	4472.5	4424.8	3698.6	2730.3	2246.1	1933.6
115°	4208.9	4275.0	4539.6	4804.1	4539.6	4275.0	4208.9	3509.3	2576.5	2110.1	1846.9
117.5°	3910.7	3984.0	4277.4	4570.8	4277.4	3984.0	3910.7	3279.3	2437.4	2016.5	1792.7
120°	3709.8	3781.1	4066.1	4351.2	4066.1	3781.1	3709.8	3132.9	2363.7	1979.1	1774.5
122.5°	3508.9	3579.2	3860.3	4141.5	3860.3	3579.2	3508.9	2989.4	2296.7	1950.4	1764.9
125°	3243.1	3307.8	3566.8	3825.8	3566.8	3307.8	3243.1	2801.8	2213.4	1919.2	1757.0
127.5°	3029.7	3084.3	3302.9	3521.4	3302.9	3084.3	3029.7	2650.8	2145.6	1893.0	1752.4
130°	2895.0	2945.5	3147.3	3349.2	3147.3	2945.5	2895.0	2557.7	2107.9	1883.0	1755.2
132.5°	2780.2	2825.4	3006.2	3187.0	3006.2	2825.4	2780.2	2478.2	2075.5	1874.2	1756.9
135°	2617.9	2656.9	2812.7	2968.6	2812.7	2656.9	2617.9	2365.0	2027.9	1859.3	1755.3
137.5°	2498.2	2530.1	2657.6	2785.2	2657.6	2530.1	2498.2	2284.4	1999.3	1856.8	1766.1
140°	2402.1	2431.9	2551.2	2670.4	2551.2	2431.9	2402.1	2217.4	1971.1	1848.0	1767.9
142.5°	2334.7	2360.3	2462.9	2565.5	2462.9	2360.3	2334.7	2172.5	1956.2	1848.0	1774.2
145°	2233.6	2253.0	2330.7	2408.3	2330.7	2253.0	2233.6	2100.9	1924.0	1835.6	1774.3
147.5°	2148.8	2164.9	2229.2	2293.5	2229.2	2164.9	2148.8	2044.4	1905.2	1835.6	1786.5
150°	2100.1	2113.1	2165.3	2217.4	2165.3	2113.1	2100.1	2011.9	1894.4	1835.6	1792.9
152.5°	2061.4	2071.2	2110.6	2150.0	2110.6	2071.2	2061.4	1986.1	1885.8	1835.6	1797.0
155°	2015.2	2021.7	2047.8	2073.9	2047.8	2021.7	2015.2	1955.3	1875.5	1835.6	1806.2
157.5°	1975.3	1979.9	1998.2	2016.5	1998.2	1979.9	1975.3	1928.7	1866.6	1835.6	1815.4
160°	1955.3	1957.9	1968.5	1979.1	1968.5	1957.9	1955.3	1915.4	1862.2	1835.6	1819.5
162.5°	1936.6	1939.1	1949.1	1959.1	1949.1	1939.1	1936.6	1902.9	1858.0	1835.6	1823.9
165°	1907.9	1910.5	1921.1	1931.6	1921.1	1910.5	1907.9	1883.8	1851.7	1835.6	1830.3
167.5°	1895.5	1896.6	1901.0	1905.4	1901.0	1896.6	1895.5	1879.7	1858.6	1848.0	1843.6
170°	1895.5	1895.5	1895.5	1895.5	1895.5	1895.5	1895.5	1879.7	1858.6	1848.0	1847.7
172.5°	1885.5	1884.5	1880.6	1876.7	1880.6	1884.5	1885.5	1873.0	1856.3	1848.0	1848.0
175°	1871.7	1871.7	1871.7	1871.7	1871.7	1871.7	1871.7	1863.8	1853.3	1848.0	1850.5
177.5°	1869.2	1868.1	1863.7	1859.3	1863.7	1868.1	1869.2	1863.0	1854.7	1850.5	1852.5
180°	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3171.1	3171.1	3171.1	3171.1	3171.1
2.5°	3132.1	3147.1	3156.1	3168.1	3198.1
5°	3012.1	3069.1	3087.1	3132.1	3186.1
7.5°	2748.1	2922.1	2970.1	3078.1	3162.1
10°	2493.0	2667.1	2751.1	3006.1	3132.1
12.5°	2364.0	2466.0	2523.0	2880.1	3090.1
15°	2283.0	2355.0	2397.0	2712.1	3042.1
17.5°	2220.0	2271.0	2301.0	2547.0	2976.1
20°	2181.0	2205.0	2232.0	2427.0	2901.1
22.5°	2154.0	2139.0	2160.0	2343.0	2799.1
25°	2136.0	2079.0	2103.0	2277.0	2679.1
27.5°	2151.0	2025.0	2034.0	2217.0	2553.0
30°	2154.0	1959.0	1962.0	2154.0	2412.0
32.5°	2133.0	1890.0	1893.0	2076.0	2253.0
35°	2082.0	1809.0	1806.0	1986.0	2037.0
37.5°	2013.0	1722.0	1722.0	1887.0	1800.0
40°	1929.0	1635.0	1644.0	1758.0	1590.0
42.5°	1827.0	1542.0	1554.0	1587.0	1434.0
45°	1716.0	1452.0	1461.0	1341.0	1314.0
47.5°	1593.0	1359.0	1362.0	1113.0	1275.0
50°	1446.0	1263.0	1251.0	954.0	1272.0
52.5°	1317.0	1158.0	1122.0	864.0	1155.0
55°	1191.0	1047.0	969.0	795.0	1071.0
57.5°	1080.0	903.0	828.0	714.0	1053.0
60°	978.0	762.0	705.0	627.0	966.0
62.5°	894.0	657.0	645.0	567.0	876.0
65°	804.0	585.0	582.0	516.0	744.0
67.5°	717.0	537.0	534.0	468.0	567.0
70°	624.0	486.0	480.0	417.0	420.0
72.5°	528.0	429.0	423.0	375.0	348.0
75°	432.0	363.0	360.0	327.0	282.0
77.5°	339.0	288.0	294.0	264.0	207.0
80°	243.0	210.0	216.0	189.0	156.0
82.5°	162.0	138.0	144.0	120.0	105.0
85°	90.0	78.0	81.0	63.0	48.0
87.5°	42.0	36.0	36.0	24.0	15.0
90°	54.9	34.9	32.4	22.5	12.5
92.5°	338.6	240.8	219.6	134.7	49.9
95°	833.1	469.2	430.4	275.1	119.8
97.5°	1122.2	515.4	481.1	344.1	207.1
100°	1227.4	554.0	522.9	398.7	274.5
102.5°	1275.7	592.7	563.7	447.8	331.9
105°	1311.5	650.1	625.6	527.4	429.3
107.5°	1318.1	735.0	712.1	620.6	529.1
110°	1308.1	782.4	761.7	679.1	596.5



TEST NUMBER: P935113

CATALOG NUMBER: SQ4-FA-100U-075D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1308.6	839.8	820.1	741.4	662.6
115°	1320.6	925.9	907.7	835.1	762.4
117.5°	1345.2	1009.5	993.0	927.0	861.0
120°	1365.2	1058.2	1042.7	980.5	918.4
122.5°	1393.9	1115.6	1099.9	1037.3	974.6
125°	1432.5	1189.2	1174.9	1117.8	1060.7
127.5°	1471.2	1260.3	1245.9	1188.2	1130.5
130°	1499.5	1307.7	1292.2	1230.1	1168.0
132.5°	1522.3	1346.4	1330.9	1268.8	1206.7
135°	1547.3	1391.3	1377.2	1320.6	1264.1
137.5°	1584.7	1448.7	1434.7	1378.7	1322.7
140°	1607.6	1487.4	1474.5	1423.0	1371.4
142.5°	1626.7	1516.1	1504.2	1456.5	1408.8
145°	1651.7	1559.8	1549.4	1507.8	1466.2
147.5°	1688.3	1614.7	1604.6	1564.1	1523.6
150°	1707.5	1643.4	1634.2	1597.6	1561.0
152.5°	1719.9	1662.1	1655.2	1627.4	1599.7
155°	1747.4	1703.3	1698.2	1677.6	1657.1
157.5°	1774.9	1744.5	1739.5	1719.5	1699.5
160°	1787.3	1763.2	1759.3	1743.8	1728.2
162.5°	1800.6	1783.1	1780.2	1768.5	1756.9
165°	1819.7	1811.8	1809.2	1798.6	1788.1
167.5°	1834.7	1828.1	1826.8	1821.8	1816.8
170°	1847.2	1846.8	1845.6	1840.6	1835.6
172.5°	1848.0	1848.0	1847.7	1846.6	1845.5
175°	1855.5	1859.3	1859.3	1859.3	1859.3
177.5°	1856.4	1859.3	1859.3	1859.3	1859.3
180°	1859.3	1859.3	1859.3	1859.3	1859.3



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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	11.81	12.59	12.84	13.63	15.03	14.66	15.44	15.69	16.48	17.88
	3H	12.28	12.98	13.32	14.03	15.45	16.00	16.70	17.05	17.75	19.17
	4H	12.46	13.13	13.52	14.18	15.61	16.45	17.11	17.50	18.16	19.59
	6H	12.58	13.19	13.64	14.25	15.68	16.73	17.35	17.80	18.40	19.84
	8H	12.58	13.16	13.65	14.23	15.66	16.81	17.39	17.88	18.46	19.90
	12H	12.55	13.10	13.62	14.16	15.62	16.85	17.40	17.92	18.47	19.92
4H	2H	12.83	13.50	13.90	14.55	15.98	15.06	15.72	16.12	16.77	18.20
	3H	13.85	14.41	14.92	15.49	16.93	16.56	17.11	17.63	18.19	19.63
	4H	14.13	14.63	15.20	15.70	17.16	17.09	17.60	18.17	18.67	20.13
	6H	14.25	14.68	15.33	15.78	17.23	17.46	17.89	18.54	18.98	20.44
	8H	14.25	14.66	15.34	15.74	17.21	17.56	17.97	18.65	19.06	20.53
	12H	14.21	14.58	15.32	15.68	17.16	17.62	17.99	18.72	19.09	20.56
8H	4H	14.58	14.98	15.66	16.07	17.54	17.21	17.61	18.29	18.70	20.17
	6H	14.83	15.17	15.94	16.30	17.77	17.65	17.98	18.75	19.11	20.58
	8H	14.88	15.17	15.99	16.28	17.77	17.80	18.09	18.91	19.20	20.69
	12H	14.86	15.12	15.98	16.22	17.75	17.90	18.16	19.02	19.26	20.79
12H	4H	14.58	14.95	15.68	16.05	17.52	17.17	17.54	18.27	18.63	20.11
	6H	14.90	15.19	16.01	16.30	17.79	17.64	17.94	18.76	19.05	20.53
	8H	14.96	15.22	16.08	16.32	17.85	17.80	18.06	18.92	19.17	20.69