

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: P935509

Luminaire Tested: SQ4-FA-125U-075D-830-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935509
REPORT IS A COMBINATION OF REPORTS P933757 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-075D-830-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

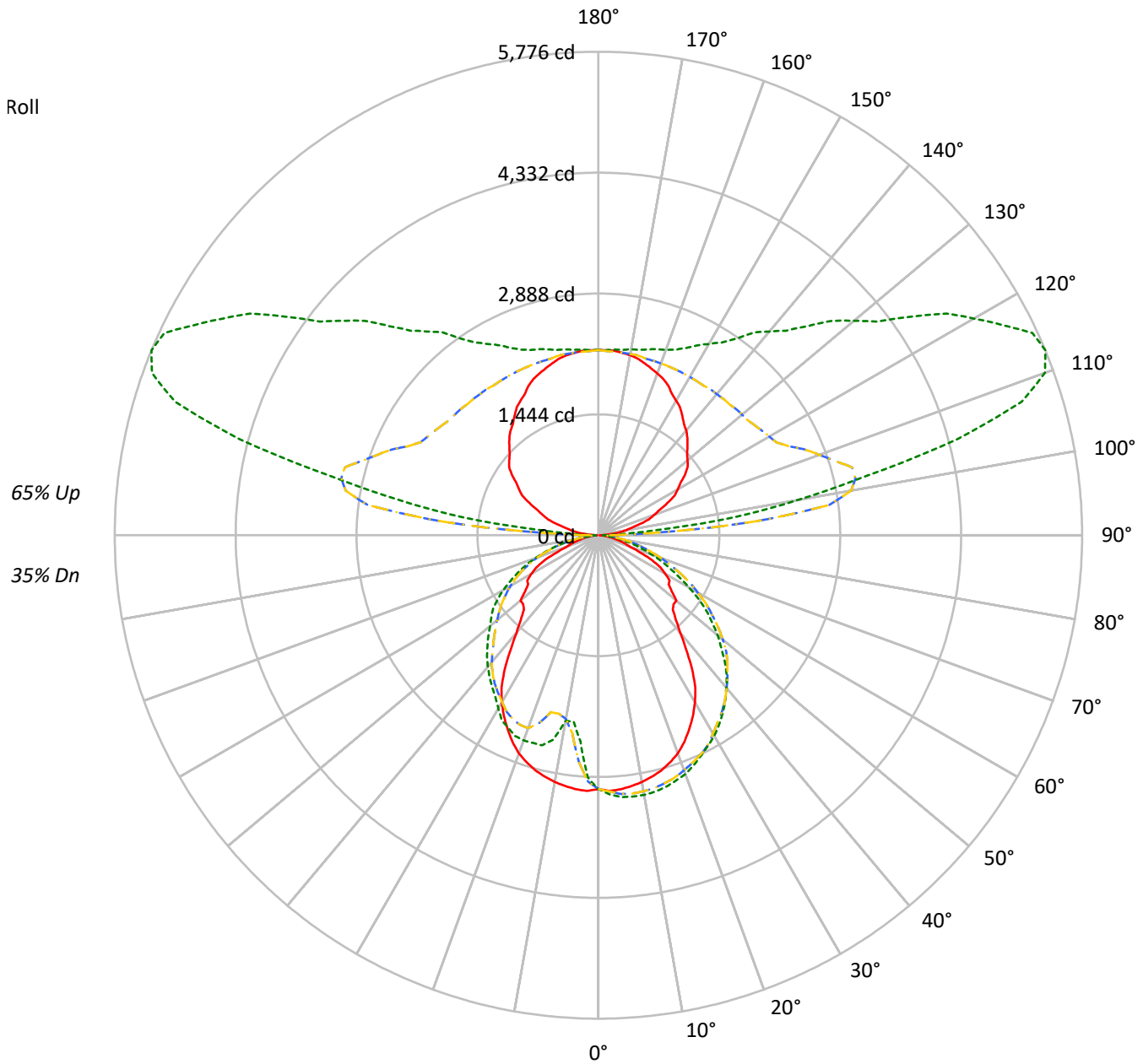
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22211.7 lumens
Efficiency: N/A
Efficacy: 133.2 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: Semi-Indirect

Input Watts (W): 166.8
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

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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	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35				35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30				30
2	86	79	73	68	78	72	66	62	58	54	51	45	43	41	33	32	30	25				25
3	78	69	62	56	71	63	57	52	51	47	43	40	37	34	29	28	26	21				21
4	72	61	54	48	65	56	49	44	45	40	36	35	32	29	26	24	22	18				18
5	66	54	46	41	59	50	43	38	40	35	31	32	28	25	24	21	19	16				16
6	60	49	41	35	54	44	37	32	36	31	27	29	25	22	21	19	17	14				14
7	56	44	36	31	50	40	33	28	33	28	24	26	22	19	20	17	15	12				12
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	15	13	11				11
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12	10				10
10	45	33	26	21	41	30	24	20	25	20	17	20	16	14	15	13	11	9				9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9377	9377	9377	9377
5°	9450	9466	9450	7442
10°	9391	9324	9391	6666
15°	9292	9122	9292	7617
20°	9102	8883	9102	7633
25°	8707	8534	8707	7471
30°	8196	8244	8196	7116
35°	7311	7877	7311	6726
40°	6095	7446	6095	6431
45°	5450	6941	5450	6092
50°	5794	6338	5794	5751
55°	5457	5689	5457	5554
60°	5632	4832	5632	5087
65°	5114	3994	5114	4465
70°	3550	3183	3550	3743
75°	3125	2353	3125	2818
80°	2536	1555	2536	1694
85°	1487	824	1487	700

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8347 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.7	1.2
10°-20°	777.0	3.5
20°-30°	1201.1	5.4
30°-40°	1433.8	6.5
40°-50°	1442.2	6.5
50°-60°	1254.9	5.6
60°-70°	889.7	4.0
70°-80°	470.7	2.1
80°-90°	125.7	0.6
90°-100°	1078.5	4.9
100°-110°	2835.5	12.8
110°-120°	2940.1	13.2
120°-130°	2358.3	10.6
130°-140°	1850.4	8.3
140°-150°	1420.3	6.4
150°-160°	1022.8	4.6
160°-170°	625.8	2.8
170°-180°	211.4	1.0
0°-30°	2251.7	10.1
0°-40°	3685.5	16.6
0°-60°	6382.5	28.7
0°-90°	7868.6	35.4
90°-120°	6854.0	30.9
90°-150°	12482.9	56.2
90°-180°	14343.0	64.6
0°-180°	22211.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3032	3032	3032	3032	3032	
5°	3046	3141	3046	2469	3046	289
15°	2908	3112	2908	2598	2908	818
25°	2561	2902	2561	2541	2561	1176
35°	1947	2590	1947	2211	1947	1205
45°	1256	2134	1256	1873	1256	1006
55°	1024	1574	1024	1537	1024	941
65°	711	949	711	1061	711	680
75°	270	450	270	539	270	283
85°	46	115	46	98	46	62
90°	15	56	15	56	15	14
95°	142	652	142	652	142	158
105°	511	4440	511	4440	511	542
115°	907	5717	907	5717	907	896
125°	1262	4553	1262	4553	1262	1121
135°	1504	3533	1504	3533	1504	1164
145°	1745	2866	1745	2866	1745	1093
155°	1972	2468	1972	2468	1972	906
165°	2128	2299	2128	2299	2128	601
175°	2213	2227	2213	2227	2213	210
180°	2213	2213	2213	2213	2213	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6
2.5°	3057.4	3057.4	3074.6	3080.3	3080.3	3071.7	3063.1	3071.7	3097.5	3106.1	3103.3
5°	3045.9	3068.9	3100.4	3106.1	3111.9	3109.0	3103.3	3109.0	3137.7	3143.4	3146.3
7.5°	3023.0	3066.0	3106.1	3114.7	3123.3	3114.7	3111.9	3117.6	3146.3	3152.0	3152.0
10°	2994.3	3054.5	3100.4	3106.1	3114.7	3106.1	3106.1	3117.6	3146.3	3152.0	3154.9
12.5°	2954.1	3037.3	3080.3	3086.1	3097.5	3094.7	3091.8	3103.3	3132.0	3137.7	3137.7
15°	2908.2	3005.8	3045.9	3051.6	3071.7	3066.0	3066.0	3077.5	3109.0	3117.6	3114.7
17.5°	2845.2	2965.6	3011.5	3020.1	3034.4	3031.6	3034.4	3045.9	3074.6	3080.3	3083.2
20°	2773.5	2911.1	2965.6	2974.2	2988.6	2988.6	2988.6	3002.9	3031.6	3043.0	3043.0
22.5°	2675.9	2853.8	2911.1	2916.9	2934.1	2934.1	2939.8	2959.9	2985.7	2988.6	2988.6
25°	2561.2	2790.7	2839.4	2856.6	2873.8	2882.4	2891.0	2902.5	2911.1	2908.2	2911.1
27.5°	2440.7	2710.4	2773.5	2784.9	2807.9	2816.5	2827.9	2830.8	2833.7	2842.3	2836.5
30°	2305.9	2598.5	2693.1	2704.6	2741.9	2747.6	2736.2	2741.9	2756.2	2762.0	2767.7
32.5°	2153.9	2432.1	2610.0	2635.8	2670.2	2653.0	2650.1	2658.7	2681.7	2681.7	2687.4
35°	1947.4	2303.0	2532.5	2555.5	2581.3	2561.2	2572.7	2575.6	2589.9	2598.5	2595.6
37.5°	1720.8	2191.2	2452.1	2469.3	2489.4	2463.6	2480.8	2489.4	2500.9	2495.2	2495.2
40°	1520.0	2016.2	2357.5	2369.0	2386.2	2366.1	2383.3	2389.0	2394.8	2389.0	2386.2
42.5°	1370.9	1824.0	2257.1	2271.5	2260.0	2274.3	2280.1	2291.5	2282.9	2271.5	2271.5
45°	1256.2	1772.4	2148.1	2165.3	2148.1	2171.1	2179.7	2179.7	2153.9	2148.1	2145.3
47.5°	1218.9	1669.2	2039.1	2039.1	2030.5	2059.2	2073.6	2053.5	2027.7	2019.1	2019.1
50°	1216.0	1554.5	1890.0	1878.5	1918.7	1953.1	1938.8	1918.7	1898.6	1867.1	1867.1
52.5°	1104.2	1413.9	1697.9	1740.9	1804.0	1824.0	1801.1	1781.0	1746.6	1732.3	1720.8
55°	1023.9	1267.7	1522.9	1608.9	1674.9	1700.7	1657.7	1637.6	1586.0	1577.4	1571.7
57.5°	1006.7	1055.4	1362.3	1471.3	1551.6	1548.7	1522.9	1485.6	1442.6	1434.0	1431.1
60°	923.5	762.9	1190.2	1319.3	1402.5	1393.8	1370.9	1336.5	1296.3	1290.6	1284.9
62.5°	837.5	553.5	995.2	1141.5	1259.1	1256.2	1236.1	1184.5	1155.8	1141.5	1130.0
65°	711.3	464.6	708.4	949.3	1118.5	1124.3	1081.2	1044.0	1012.4	995.2	992.3
67.5°	542.1	378.6	479.0	791.6	983.7	978.0	923.5	906.3	866.1	857.5	840.3
70°	401.5	252.4	332.7	642.4	851.8	837.5	794.4	774.4	737.1	717.0	705.5
72.5°	332.7	203.6	243.8	499.0	717.0	699.8	662.5	639.6	608.0	590.8	579.3
75°	269.6	215.1	186.4	370.0	582.2	570.7	536.3	513.4	487.6	464.6	467.5
77.5°	197.9	200.8	149.1	272.5	461.7	444.5	424.5	395.8	384.3	361.4	361.4
80°	149.1	157.7	111.9	186.4	332.7	332.7	315.5	295.4	275.3	263.9	263.9
82.5°	100.4	100.4	83.2	117.6	226.6	218.0	206.5	200.8	189.3	183.6	183.6
85°	45.9	57.4	51.6	71.7	123.3	129.1	129.1	123.3	120.5	114.7	117.6
87.5°	14.3	25.8	31.5	40.2	63.1	66.0	68.8	68.8	68.8	71.7	71.7
90°	14.8	26.7	38.6	41.6	65.3	96.9	112.8	100.3	75.2	56.4	56.4
92.5°	59.4	160.3	261.4	286.6	403.0	558.0	635.5	557.0	399.9	282.1	270.9
95°	142.5	327.3	512.1	558.3	991.4	1568.9	1857.6	1657.6	1257.7	957.8	923.8
97.5°	246.5	409.5	572.5	613.3	1335.4	2298.3	2779.8	2653.4	2400.6	2211.0	2146.3
100°	326.7	474.6	622.4	659.4	1460.7	2529.2	3063.4	3072.7	3091.1	3105.0	3027.9
102.5°	395.0	533.0	670.8	705.3	1518.1	2601.8	3143.6	3304.6	3626.7	3868.3	3802.3
105°	510.8	627.6	744.4	773.7	1560.7	2610.0	3134.6	3495.6	4217.7	4759.2	4723.7
107.5°	629.6	738.5	847.4	874.6	1568.6	2493.9	2956.5	3460.1	4467.1	5222.4	5231.0
110°	709.8	808.1	906.5	931.0	1556.7	2390.9	2808.0	3371.0	4496.8	5341.3	5378.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	788.5	882.2	975.9	999.3	1557.1	2301.0	2672.9	3249.1	4401.3	5265.6	5322.3
115°	907.2	993.7	1080.2	1101.8	1571.6	2197.8	2511.0	3066.1	4176.1	5008.7	5087.4
117.5°	1024.6	1103.1	1181.7	1201.3	1600.7	2133.3	2399.7	2900.6	3902.4	4653.7	4741.0
120°	1092.9	1166.8	1240.8	1259.2	1624.5	2111.6	2355.1	2812.8	3728.2	4414.7	4499.5
122.5°	1159.7	1234.3	1308.9	1327.5	1658.7	2100.2	2321.0	2733.1	3557.4	4175.6	4259.3
125°	1262.2	1330.2	1398.1	1415.2	1704.7	2090.8	2283.8	2633.9	3334.1	3859.3	3936.3
127.5°	1345.4	1414.0	1482.7	1499.8	1750.7	2085.3	2252.6	2553.2	3154.4	3605.4	3670.4
130°	1389.9	1463.8	1537.7	1556.2	1784.4	2088.7	2240.8	2508.4	3043.6	3445.0	3505.1
132.5°	1435.9	1509.8	1583.8	1602.3	1811.6	2090.8	2230.3	2469.9	2949.1	3308.4	3362.3
135°	1504.3	1571.6	1638.9	1655.7	1841.4	2088.9	2212.6	2413.2	2814.5	3115.4	3161.8
137.5°	1574.1	1640.7	1707.3	1724.0	1885.8	2101.7	2209.6	2379.2	2718.4	2972.8	3010.7
140°	1631.9	1693.3	1754.6	1770.0	1913.1	2103.8	2199.2	2345.6	2638.7	2858.4	2893.9
142.5°	1676.4	1733.2	1790.0	1804.2	1935.8	2111.4	2199.2	2327.9	2585.3	2778.3	2808.8
145°	1744.8	1794.3	1843.8	1856.2	1965.5	2111.4	2184.4	2289.6	2500.1	2658.0	2681.1
147.5°	1813.1	1861.2	1909.4	1921.5	2009.1	2126.0	2184.4	2267.2	2432.8	2557.0	2576.1
150°	1857.6	1901.2	1944.8	1955.7	2031.9	2133.5	2184.4	2254.3	2394.2	2499.1	2514.6
152.5°	1903.7	1936.7	1969.7	1978.0	2046.8	2138.5	2184.4	2244.1	2363.5	2453.1	2464.9
155°	1971.9	1996.4	2020.8	2026.9	2079.4	2149.4	2184.4	2231.9	2326.9	2398.1	2405.9
157.5°	2022.5	2046.2	2070.0	2076.0	2112.1	2160.3	2184.4	2221.3	2295.2	2350.6	2356.1
160°	2056.6	2075.1	2093.6	2098.2	2126.9	2165.2	2184.4	2216.0	2279.4	2326.9	2330.1
162.5°	2090.8	2104.6	2118.5	2121.9	2142.8	2170.5	2184.4	2211.1	2264.6	2304.6	2307.6
165°	2127.9	2140.4	2152.9	2156.1	2165.5	2178.1	2184.4	2203.5	2241.7	2270.4	2273.6
167.5°	2162.1	2168.0	2173.9	2175.4	2183.3	2193.9	2199.2	2211.7	2236.8	2255.6	2256.9
170°	2184.4	2190.3	2196.2	2197.7	2198.1	2198.8	2199.2	2211.7	2236.8	2255.6	2255.6
172.5°	2196.2	2197.6	2198.9	2199.2	2199.2	2199.2	2199.2	2209.1	2228.9	2243.7	2242.6
175°	2212.6	2212.6	2212.6	2212.6	2208.1	2202.1	2199.2	2205.5	2218.0	2227.4	2227.4
177.5°	2212.6	2212.6	2212.6	2212.6	2209.1	2204.4	2202.1	2207.1	2217.0	2224.4	2223.1
180°	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6
2.5°	3109.0	3100.4	3109.0	3103.3	3106.1	3097.5	3071.7	3063.1	3071.7	3080.3	3080.3
5°	3146.3	3140.6	3146.3	3146.3	3143.4	3137.7	3109.0	3103.3	3109.0	3111.9	3106.1
7.5°	3157.8	3149.2	3157.8	3152.0	3152.0	3146.3	3117.6	3111.9	3114.7	3123.3	3114.7
10°	3157.8	3149.2	3157.8	3154.9	3152.0	3146.3	3117.6	3106.1	3106.1	3114.7	3106.1
12.5°	3143.4	3137.7	3143.4	3137.7	3137.7	3132.0	3103.3	3091.8	3094.7	3097.5	3086.1
15°	3120.5	3111.9	3120.5	3114.7	3117.6	3109.0	3077.5	3066.0	3066.0	3071.7	3051.6
17.5°	3086.1	3074.6	3086.1	3083.2	3080.3	3074.6	3045.9	3034.4	3031.6	3034.4	3020.1
20°	3045.9	3037.3	3045.9	3043.0	3043.0	3031.6	3002.9	2988.6	2988.6	2988.6	2974.2
22.5°	2982.8	2974.2	2982.8	2988.6	2988.6	2985.7	2959.9	2939.8	2934.1	2934.1	2916.9
25°	2911.1	2902.5	2911.1	2911.1	2908.2	2911.1	2902.5	2891.0	2882.4	2873.8	2856.6
27.5°	2842.3	2836.5	2842.3	2836.5	2842.3	2833.7	2830.8	2827.9	2816.5	2807.9	2784.9
30°	2773.5	2767.7	2773.5	2767.7	2762.0	2756.2	2741.9	2736.2	2747.6	2741.9	2704.6
32.5°	2687.4	2681.7	2687.4	2687.4	2681.7	2681.7	2658.7	2650.1	2653.0	2670.2	2635.8
35°	2598.5	2589.9	2598.5	2595.6	2598.5	2589.9	2575.6	2572.7	2561.2	2581.3	2555.5
37.5°	2495.2	2486.6	2495.2	2495.2	2495.2	2500.9	2489.4	2480.8	2463.6	2489.4	2469.3
40°	2389.0	2377.6	2389.0	2386.2	2389.0	2394.8	2389.0	2383.3	2366.1	2386.2	2369.0
42.5°	2268.6	2265.7	2268.6	2271.5	2271.5	2282.9	2291.5	2280.1	2274.3	2260.0	2271.5
45°	2139.5	2133.8	2139.5	2145.3	2148.1	2153.9	2179.7	2179.7	2171.1	2148.1	2165.3
47.5°	2001.9	1987.5	2001.9	2019.1	2019.1	2027.7	2053.5	2073.6	2059.2	2030.5	2039.1
50°	1855.6	1858.5	1855.6	1867.1	1867.1	1898.6	1918.7	1938.8	1953.1	1918.7	1878.5
52.5°	1712.2	1709.3	1712.2	1720.8	1732.3	1746.6	1781.0	1801.1	1824.0	1804.0	1740.9
55°	1568.8	1574.5	1568.8	1571.7	1577.4	1586.0	1637.6	1657.7	1700.7	1674.9	1608.9
57.5°	1425.4	1416.8	1425.4	1431.1	1434.0	1442.6	1485.6	1522.9	1548.7	1551.6	1471.3
60°	1259.1	1247.6	1259.1	1284.9	1290.6	1296.3	1336.5	1370.9	1393.8	1402.5	1319.3
62.5°	1112.8	1092.7	1112.8	1130.0	1141.5	1155.8	1184.5	1236.1	1256.2	1259.1	1141.5
65°	957.9	949.3	957.9	992.3	995.2	1012.4	1044.0	1081.2	1124.3	1118.5	949.3
67.5°	817.4	817.4	817.4	840.3	857.5	866.1	906.3	923.5	978.0	983.7	791.6
70°	688.3	685.5	688.3	705.5	717.0	737.1	774.4	794.4	837.5	851.8	642.4
72.5°	565.0	562.1	565.0	579.3	590.8	608.0	639.6	662.5	699.8	717.0	499.0
75°	456.0	450.3	456.0	467.5	464.6	487.6	513.4	536.3	570.7	582.2	370.0
77.5°	349.9	349.9	349.9	361.4	361.4	384.3	395.8	424.5	444.5	461.7	272.5
80°	261.0	258.1	261.0	263.9	263.9	275.3	295.4	315.5	332.7	332.7	186.4
82.5°	183.6	177.8	183.6	183.6	183.6	189.3	200.8	206.5	218.0	226.6	117.6
85°	114.7	114.7	114.7	117.6	114.7	120.5	123.3	129.1	129.1	123.3	71.7
87.5°	74.6	71.7	74.6	71.7	71.7	68.8	68.8	68.8	66.0	63.1	40.2
90°	56.4	56.4	56.4	56.4	56.4	75.2	100.3	112.8	96.9	65.3	41.6
92.5°	226.0	181.2	226.0	270.9	282.1	399.9	557.0	635.5	558.0	403.0	286.6
95°	787.8	651.9	787.8	923.8	957.8	1257.7	1657.6	1857.6	1568.9	991.4	558.3
97.5°	1887.6	1628.9	1887.6	2146.3	2211.0	2400.6	2653.4	2779.8	2298.3	1335.4	613.3
100°	2719.7	2411.5	2719.7	3027.9	3105.0	3091.1	3072.7	3063.4	2529.2	1460.7	659.4
102.5°	3538.3	3274.3	3538.3	3802.3	3868.3	3626.7	3304.6	3143.6	2601.8	1518.1	705.3
105°	4581.8	4440.0	4581.8	4723.7	4759.2	4217.7	3495.6	3134.6	2610.0	1560.7	773.7
107.5°	5265.4	5299.7	5265.4	5231.0	5222.4	4467.1	3460.1	2956.5	2493.9	1568.6	874.6
110°	5526.1	5673.9	5526.1	5378.3	5341.3	4496.8	3371.0	2808.0	2390.9	1556.7	931.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5549.3	5776.3	5549.3	5322.3	5265.6	4401.3	3249.1	2672.9	2301.0	1557.1	999.3
115°	5402.2	5717.0	5402.2	5087.4	5008.7	4176.1	3066.1	2511.0	2197.8	1571.6	1101.8
117.5°	5090.1	5439.3	5090.1	4741.0	4653.7	3902.4	2900.6	2399.7	2133.3	1600.7	1201.3
120°	4838.7	5177.9	4838.7	4499.5	4414.7	3728.2	2812.8	2355.1	2111.6	1624.5	1259.2
122.5°	4593.9	4928.5	4593.9	4259.3	4175.6	3557.4	2733.1	2321.0	2100.2	1658.7	1327.5
125°	4244.5	4552.8	4244.5	3936.3	3859.3	3334.1	2633.9	2283.8	2090.8	1704.7	1415.2
127.5°	3930.4	4190.4	3930.4	3670.4	3605.4	3154.4	2553.2	2252.6	2085.3	1750.7	1499.8
130°	3745.3	3985.6	3745.3	3505.1	3445.0	3043.6	2508.4	2240.8	2088.7	1784.4	1556.2
132.5°	3577.4	3792.5	3577.4	3362.3	3308.4	2949.1	2469.9	2230.3	2090.8	1811.6	1602.3
135°	3347.1	3532.6	3347.1	3161.8	3115.4	2814.5	2413.2	2212.6	2088.9	1841.4	1655.7
137.5°	3162.5	3314.4	3162.5	3010.7	2972.8	2718.4	2379.2	2209.6	2101.7	1885.8	1724.0
140°	3035.9	3177.7	3035.9	2893.9	2858.4	2638.7	2345.6	2199.2	2103.8	1913.1	1770.0
142.5°	2930.9	3053.0	2930.9	2808.8	2778.3	2585.3	2327.9	2199.2	2111.4	1935.8	1804.2
145°	2773.5	2865.9	2773.5	2681.1	2658.0	2500.1	2289.6	2184.4	2111.4	1965.5	1856.2
147.5°	2652.7	2729.3	2652.7	2576.1	2557.0	2432.8	2267.2	2184.4	2126.0	2009.1	1921.5
150°	2576.7	2638.8	2576.7	2514.6	2499.1	2394.2	2254.3	2184.4	2133.5	2031.9	1955.7
152.5°	2511.7	2558.5	2511.7	2464.9	2453.1	2363.5	2244.1	2184.4	2138.5	2046.8	1978.0
155°	2436.9	2467.9	2436.9	2405.9	2398.1	2326.9	2231.9	2184.4	2149.4	2079.4	2026.9
157.5°	2377.9	2399.7	2377.9	2356.1	2350.6	2295.2	2221.3	2184.4	2160.3	2112.1	2076.0
160°	2342.6	2355.1	2342.6	2330.1	2326.9	2279.4	2216.0	2184.4	2165.2	2126.9	2098.2
162.5°	2319.4	2331.3	2319.4	2307.6	2304.6	2264.6	2211.1	2184.4	2170.5	2142.8	2121.9
165°	2286.1	2298.7	2286.1	2273.6	2270.4	2241.7	2203.5	2184.4	2178.1	2165.5	2156.1
167.5°	2262.2	2267.4	2262.2	2256.9	2255.6	2236.8	2211.7	2199.2	2193.9	2183.3	2175.4
170°	2255.6	2255.6	2255.6	2255.6	2255.6	2236.8	2211.7	2199.2	2198.8	2198.1	2197.7
172.5°	2237.9	2233.3	2237.9	2242.6	2243.7	2228.9	2209.1	2199.2	2199.2	2199.2	2199.2
175°	2227.4	2227.4	2227.4	2227.4	2227.4	2218.0	2205.5	2199.2	2202.1	2208.1	2212.6
177.5°	2217.8	2212.6	2217.8	2223.1	2224.4	2217.0	2207.1	2202.1	2204.4	2209.1	2212.6
180°	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6
2.5°	3074.6	3057.4	3057.4	3028.7	3017.2	3008.6	2994.3	2951.3	2939.8	2928.3	2945.5
5°	3100.4	3068.9	3045.9	2994.3	2951.3	2934.1	2879.6	2776.3	2707.5	2655.9	2627.2
7.5°	3106.1	3066.0	3023.0	2942.7	2839.4	2793.5	2627.2	2437.8	2386.2	2340.3	2311.6
10°	3100.4	3054.5	2994.3	2873.8	2630.1	2549.7	2383.3	2260.0	2228.4	2219.8	2228.4
12.5°	3080.3	3037.3	2954.1	2753.4	2412.0	2357.5	2260.0	2188.3	2182.5	2196.9	2274.3
15°	3045.9	3005.8	2908.2	2592.8	2291.5	2251.4	2182.5	2156.7	2188.3	2288.7	2521.0
17.5°	3011.5	2965.6	2845.2	2434.9	2199.8	2171.1	2122.3	2173.9	2351.8	2486.6	2564.1
20°	2965.6	2911.1	2773.5	2320.2	2133.8	2108.0	2085.0	2317.3	2452.1	2500.9	2544.0
22.5°	2911.1	2853.8	2675.9	2239.9	2065.0	2044.9	2059.2	2397.6	2452.1	2486.6	2523.8
25°	2839.4	2790.7	2561.2	2176.8	2010.5	1987.5	2042.0	2389.0	2420.6	2429.2	2503.8
27.5°	2773.5	2710.4	2440.7	2119.5	1944.5	1935.9	2056.4	2351.8	2374.7	2383.3	2463.6
30°	2693.1	2598.5	2305.9	2059.2	1875.7	1872.8	2059.2	2305.9	2300.1	2323.1	2403.4
32.5°	2610.0	2432.1	2153.9	1984.7	1809.7	1806.8	2039.1	2237.0	2231.3	2262.9	2323.1
35°	2532.5	2303.0	1947.4	1898.6	1726.5	1729.4	1990.4	2156.7	2159.6	2188.3	2225.6
37.5°	2452.1	2191.2	1720.8	1804.0	1646.2	1646.2	1924.4	2082.2	2076.4	2085.0	2136.7
40°	2357.5	2016.2	1520.0	1680.6	1571.7	1563.1	1844.1	2001.9	1981.8	1978.9	2050.6
42.5°	2257.1	1824.0	1370.9	1517.2	1485.6	1474.2	1746.6	1904.4	1867.1	1875.7	1967.4
45°	2148.1	1772.4	1256.2	1282.0	1396.7	1388.1	1640.5	1792.5	1766.7	1789.6	1884.3
47.5°	2039.1	1669.2	1218.9	1064.0	1302.1	1299.2	1522.9	1683.5	1669.2	1692.1	1792.5
50°	1890.0	1554.5	1216.0	912.0	1196.0	1207.4	1382.4	1577.4	1577.4	1597.5	1703.6
52.5°	1697.9	1413.9	1104.2	826.0	1072.6	1107.0	1259.1	1485.6	1491.4	1511.4	1606.1
55°	1522.9	1267.7	1023.9	760.0	926.4	1000.9	1138.6	1391.0	1402.5	1422.5	1508.6
57.5°	1362.3	1055.4	1006.7	682.6	791.6	863.3	1032.5	1299.2	1304.9	1322.1	1405.3
60°	1190.2	762.9	923.5	599.4	674.0	728.5	935.0	1190.2	1210.3	1221.8	1293.5
62.5°	995.2	553.5	837.5	542.1	616.6	628.1	854.7	1087.0	1112.8	1121.4	1164.4
65°	708.4	464.6	711.3	493.3	556.4	559.3	768.6	980.9	1003.8	1018.1	1049.7
67.5°	479.0	378.6	542.1	447.4	510.5	513.4	685.5	857.5	889.1	900.6	920.6
70°	332.7	252.4	401.5	398.7	458.9	464.6	596.5	745.7	774.4	783.0	794.4
72.5°	243.8	203.6	332.7	358.5	404.4	410.1	504.8	619.5	648.2	656.8	662.5
75°	186.4	215.1	269.6	312.6	344.2	347.0	413.0	504.8	524.8	530.6	533.4
77.5°	149.1	200.8	197.9	252.4	281.1	275.3	324.1	390.0	407.3	407.3	407.3
80°	111.9	157.7	149.1	180.7	206.5	200.8	232.3	278.2	283.9	289.7	286.8
82.5°	83.2	100.4	100.4	114.7	137.7	131.9	154.9	180.7	180.7	180.7	186.4
85°	51.6	57.4	45.9	60.2	77.4	74.6	86.0	97.5	100.4	100.4	94.6
87.5°	31.5	25.8	14.3	22.9	34.4	34.4	40.2	43.0	40.2	40.2	40.2
90°	38.6	26.7	14.8	26.7	38.6	41.6	65.3	96.9	112.8	100.3	75.2
92.5°	261.4	160.3	59.4	160.3	261.4	286.6	403.0	558.0	635.5	557.0	399.9
95°	512.1	327.3	142.5	327.3	512.1	558.3	991.4	1568.9	1857.6	1657.6	1257.7
97.5°	572.5	409.5	246.5	409.5	572.5	613.3	1335.4	2298.3	2779.8	2653.4	2400.6
100°	622.4	474.6	326.7	474.6	622.4	659.4	1460.7	2529.2	3063.4	3072.7	3091.1
102.5°	670.8	533.0	395.0	533.0	670.8	705.3	1518.1	2601.8	3143.6	3304.6	3626.7
105°	744.4	627.6	510.8	627.6	744.4	773.7	1560.7	2610.0	3134.6	3495.6	4217.7
107.5°	847.4	738.5	629.6	738.5	847.4	874.6	1568.6	2493.9	2956.5	3460.1	4467.1
110°	906.5	808.1	709.8	808.1	906.5	931.0	1556.7	2390.9	2808.0	3371.0	4496.8



TEST NUMBER: P935509

CATALOG NUMBER: SQ4-FA-125U-075D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	975.9	882.2	788.5	882.2	975.9	999.3	1557.1	2301.0	2672.9	3249.1	4401.3
115°	1080.2	993.7	907.2	993.7	1080.2	1101.8	1571.6	2197.8	2511.0	3066.1	4176.1
117.5°	1181.7	1103.1	1024.6	1103.1	1181.7	1201.3	1600.7	2133.3	2399.7	2900.6	3902.4
120°	1240.8	1166.8	1092.9	1166.8	1240.8	1259.2	1624.5	2111.6	2355.1	2812.8	3728.2
122.5°	1308.9	1234.3	1159.7	1234.3	1308.9	1327.5	1658.7	2100.2	2321.0	2733.1	3557.4
125°	1398.1	1330.2	1262.2	1330.2	1398.1	1415.2	1704.7	2090.8	2283.8	2633.9	3334.1
127.5°	1482.7	1414.0	1345.4	1414.0	1482.7	1499.8	1750.7	2085.3	2252.6	2553.2	3154.4
130°	1537.7	1463.8	1389.9	1463.8	1537.7	1556.2	1784.4	2088.7	2240.8	2508.4	3043.6
132.5°	1583.8	1509.8	1435.9	1509.8	1583.8	1602.3	1811.6	2090.8	2230.3	2469.9	2949.1
135°	1638.9	1571.6	1504.3	1571.6	1638.9	1655.7	1841.4	2088.9	2212.6	2413.2	2814.5
137.5°	1707.3	1640.7	1574.1	1640.7	1707.3	1724.0	1885.8	2101.7	2209.6	2379.2	2718.4
140°	1754.6	1693.3	1631.9	1693.3	1754.6	1770.0	1913.1	2103.8	2199.2	2345.6	2638.7
142.5°	1790.0	1733.2	1676.4	1733.2	1790.0	1804.2	1935.8	2111.4	2199.2	2327.9	2585.3
145°	1843.8	1794.3	1744.8	1794.3	1843.8	1856.2	1965.5	2111.4	2184.4	2289.6	2500.1
147.5°	1909.4	1861.2	1813.1	1861.2	1909.4	1921.5	2009.1	2126.0	2184.4	2267.2	2432.8
150°	1944.8	1901.2	1857.6	1901.2	1944.8	1955.7	2031.9	2133.5	2184.4	2254.3	2394.2
152.5°	1969.7	1936.7	1903.7	1936.7	1969.7	1978.0	2046.8	2138.5	2184.4	2244.1	2363.5
155°	2020.8	1996.4	1971.9	1996.4	2020.8	2026.9	2079.4	2149.4	2184.4	2231.9	2326.9
157.5°	2070.0	2046.2	2022.5	2046.2	2070.0	2076.0	2112.1	2160.3	2184.4	2221.3	2295.2
160°	2093.6	2075.1	2056.6	2075.1	2093.6	2098.2	2126.9	2165.2	2184.4	2216.0	2279.4
162.5°	2118.5	2104.6	2090.8	2104.6	2118.5	2121.9	2142.8	2170.5	2184.4	2211.1	2264.6
165°	2152.9	2140.4	2127.9	2140.4	2152.9	2156.1	2165.5	2178.1	2184.4	2203.5	2241.7
167.5°	2173.9	2168.0	2162.1	2168.0	2173.9	2175.4	2183.3	2193.9	2199.2	2211.7	2236.8
170°	2196.2	2190.3	2184.4	2190.3	2196.2	2197.7	2198.1	2198.8	2199.2	2211.7	2236.8
172.5°	2198.9	2197.6	2196.2	2197.6	2198.9	2199.2	2199.2	2199.2	2199.2	2209.1	2228.9
175°	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2208.1	2202.1	2199.2	2205.5	2218.0
177.5°	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2209.1	2204.4	2202.1	2207.1	2217.0
180°	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6



TEST NUMBER: P935509

CATALOG NUMBER: SQ4-FA-125U-075D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6
2.5°	2925.5	2916.9	2928.3	2896.8	2928.3	2916.9	2925.5	2945.5	2928.3	2939.8	2951.3
5°	2567.0	2552.6	2506.6	2469.3	2506.6	2552.6	2567.0	2627.2	2655.9	2707.5	2776.3
7.5°	2294.4	2282.9	2271.5	2248.5	2271.5	2282.9	2294.4	2311.6	2340.3	2386.2	2437.8
10°	2234.2	2237.0	2254.2	2251.4	2254.2	2237.0	2234.2	2228.4	2219.8	2228.4	2260.0
12.5°	2389.0	2414.9	2509.5	2503.8	2509.5	2414.9	2389.0	2274.3	2196.9	2182.5	2188.3
15°	2567.0	2575.6	2595.6	2598.5	2595.6	2575.6	2567.0	2521.0	2288.7	2188.3	2156.7
17.5°	2584.2	2587.0	2601.4	2601.4	2601.4	2587.0	2584.2	2564.1	2486.6	2351.8	2173.9
20°	2569.8	2575.6	2604.2	2610.0	2604.2	2575.6	2569.8	2544.0	2500.9	2452.1	2317.3
22.5°	2564.1	2575.6	2598.5	2595.6	2598.5	2575.6	2564.1	2523.8	2486.6	2452.1	2397.6
25°	2535.4	2535.4	2538.3	2541.1	2538.3	2535.4	2535.4	2503.8	2429.2	2420.6	2389.0
27.5°	2475.1	2480.8	2498.0	2495.2	2498.0	2480.8	2475.1	2463.6	2383.3	2374.7	2351.8
30°	2420.6	2414.9	2400.5	2389.0	2400.5	2414.9	2420.6	2403.4	2323.1	2300.1	2305.9
32.5°	2328.8	2314.5	2300.1	2291.5	2300.1	2314.5	2328.8	2323.1	2262.9	2231.3	2237.0
35°	2219.8	2222.7	2219.8	2211.2	2219.8	2222.7	2219.8	2225.6	2188.3	2159.6	2156.7
37.5°	2142.4	2148.1	2145.3	2133.8	2145.3	2148.1	2142.4	2136.7	2085.0	2076.4	2082.2
40°	2062.1	2065.0	2062.1	2053.5	2062.1	2065.0	2062.1	2050.6	1978.9	1981.8	2001.9
42.5°	1984.7	1981.8	1973.2	1967.4	1973.2	1981.8	1984.7	1967.4	1875.7	1867.1	1904.4
45°	1895.7	1898.6	1881.4	1872.8	1881.4	1898.6	1895.7	1884.3	1789.6	1766.7	1792.5
47.5°	1806.8	1806.8	1792.5	1783.9	1792.5	1806.8	1806.8	1792.5	1692.1	1669.2	1683.5
50°	1712.2	1709.3	1689.3	1686.4	1689.3	1709.3	1712.2	1703.6	1597.5	1577.4	1577.4
52.5°	1603.2	1603.2	1606.1	1611.8	1606.1	1603.2	1603.2	1606.1	1511.4	1491.4	1485.6
55°	1508.6	1511.4	1531.5	1537.2	1531.5	1511.4	1508.6	1508.6	1422.5	1402.5	1391.0
57.5°	1411.1	1411.1	1425.4	1425.4	1425.4	1411.1	1411.1	1405.3	1322.1	1304.9	1299.2
60°	1299.2	1304.9	1316.4	1313.5	1316.4	1304.9	1299.2	1293.5	1221.8	1210.3	1190.2
62.5°	1181.6	1187.4	1190.2	1184.5	1190.2	1187.4	1181.6	1164.4	1121.4	1112.8	1087.0
65°	1058.3	1064.0	1066.9	1061.2	1066.9	1064.0	1058.3	1049.7	1018.1	1003.8	980.9
67.5°	932.1	929.2	926.4	937.8	926.4	929.2	932.1	920.6	900.6	889.1	857.5
70°	803.0	803.0	800.2	805.9	800.2	803.0	803.0	794.4	783.0	774.4	745.7
72.5°	665.4	662.5	674.0	665.4	674.0	662.5	665.4	662.5	656.8	648.2	619.5
75°	530.6	536.3	530.6	539.2	530.6	536.3	530.6	533.4	530.6	524.8	504.8
77.5°	404.4	410.1	404.4	404.4	404.4	410.1	404.4	407.3	407.3	407.3	390.0
80°	286.8	283.9	283.9	281.1	283.9	283.9	286.8	286.8	289.7	283.9	278.2
82.5°	183.6	180.7	180.7	186.4	180.7	180.7	183.6	186.4	180.7	180.7	180.7
85°	100.4	103.2	97.5	97.5	97.5	103.2	100.4	94.6	100.4	100.4	97.5
87.5°	37.3	34.4	34.4	34.4	34.4	34.4	37.3	40.2	40.2	40.2	43.0
90°	56.4	56.4	56.4	56.4	56.4	56.4	56.4	75.2	100.3	112.8	96.9
92.5°	282.1	270.9	226.0	181.2	226.0	270.9	282.1	399.9	557.0	635.5	558.0
95°	957.8	923.8	787.8	651.9	787.8	923.8	957.8	1257.7	1657.6	1857.6	1568.9
97.5°	2211.0	2146.3	1887.6	1628.9	1887.6	2146.3	2211.0	2400.6	2653.4	2779.8	2298.3
100°	3105.0	3027.9	2719.7	2411.5	2719.7	3027.9	3105.0	3091.1	3072.7	3063.4	2529.2
102.5°	3868.3	3802.3	3538.3	3274.3	3538.3	3802.3	3868.3	3626.7	3304.6	3143.6	2601.8
105°	4759.2	4723.7	4581.8	4440.0	4581.8	4723.7	4759.2	4217.7	3495.6	3134.6	2610.0
107.5°	5222.4	5231.0	5265.4	5299.7	5265.4	5231.0	5222.4	4467.1	3460.1	2956.5	2493.9
110°	5341.3	5378.3	5526.1	5673.9	5526.1	5378.3	5341.3	4496.8	3371.0	2808.0	2390.9



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5265.6	5322.3	5549.3	5776.3	5549.3	5322.3	5265.6	4401.3	3249.1	2672.9	2301.0
115°	5008.7	5087.4	5402.2	5717.0	5402.2	5087.4	5008.7	4176.1	3066.1	2511.0	2197.8
117.5°	4653.7	4741.0	5090.1	5439.3	5090.1	4741.0	4653.7	3902.4	2900.6	2399.7	2133.3
120°	4414.7	4499.5	4838.7	5177.9	4838.7	4499.5	4414.7	3728.2	2812.8	2355.1	2111.6
122.5°	4175.6	4259.3	4593.9	4928.5	4593.9	4259.3	4175.6	3557.4	2733.1	2321.0	2100.2
125°	3859.3	3936.3	4244.5	4552.8	4244.5	3936.3	3859.3	3334.1	2633.9	2283.8	2090.8
127.5°	3605.4	3670.4	3930.4	4190.4	3930.4	3670.4	3605.4	3154.4	2553.2	2252.6	2085.3
130°	3445.0	3505.1	3745.3	3985.6	3745.3	3505.1	3445.0	3043.6	2508.4	2240.8	2088.7
132.5°	3308.4	3362.3	3577.4	3792.5	3577.4	3362.3	3308.4	2949.1	2469.9	2230.3	2090.8
135°	3115.4	3161.8	3347.1	3532.6	3347.1	3161.8	3115.4	2814.5	2413.2	2212.6	2088.9
137.5°	2972.8	3010.7	3162.5	3314.4	3162.5	3010.7	2972.8	2718.4	2379.2	2209.6	2101.7
140°	2858.4	2893.9	3035.9	3177.7	3035.9	2893.9	2858.4	2638.7	2345.6	2199.2	2103.8
142.5°	2778.3	2808.8	2930.9	3053.0	2930.9	2808.8	2778.3	2585.3	2327.9	2199.2	2111.4
145°	2658.0	2681.1	2773.5	2865.9	2773.5	2681.1	2658.0	2500.1	2289.6	2184.4	2111.4
147.5°	2557.0	2576.1	2652.7	2729.3	2652.7	2576.1	2557.0	2432.8	2267.2	2184.4	2126.0
150°	2499.1	2514.6	2576.7	2638.8	2576.7	2514.6	2499.1	2394.2	2254.3	2184.4	2133.5
152.5°	2453.1	2464.9	2511.7	2558.5	2511.7	2464.9	2453.1	2363.5	2244.1	2184.4	2138.5
155°	2398.1	2405.9	2436.9	2467.9	2436.9	2405.9	2398.1	2326.9	2231.9	2184.4	2149.4
157.5°	2350.6	2356.1	2377.9	2399.7	2377.9	2356.1	2350.6	2295.2	2221.3	2184.4	2160.3
160°	2326.9	2330.1	2342.6	2355.1	2342.6	2330.1	2326.9	2279.4	2216.0	2184.4	2165.2
162.5°	2304.6	2307.6	2319.4	2331.3	2319.4	2307.6	2304.6	2264.6	2211.1	2184.4	2170.5
165°	2270.4	2273.6	2286.1	2298.7	2286.1	2273.6	2270.4	2241.7	2203.5	2184.4	2178.1
167.5°	2255.6	2256.9	2262.2	2267.4	2262.2	2256.9	2255.6	2236.8	2211.7	2199.2	2193.9
170°	2255.6	2255.6	2255.6	2255.6	2255.6	2255.6	2255.6	2236.8	2211.7	2199.2	2198.8
172.5°	2243.7	2242.6	2237.9	2233.3	2237.9	2242.6	2243.7	2228.9	2209.1	2199.2	2199.2
175°	2227.4	2227.4	2227.4	2227.4	2227.4	2227.4	2227.4	2218.0	2205.5	2199.2	2202.1
177.5°	2224.4	2223.1	2217.8	2212.6	2217.8	2223.1	2224.4	2217.0	2207.1	2202.1	2204.4
180°	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3031.6	3031.6	3031.6	3031.6	3031.6
2.5°	2994.3	3008.6	3017.2	3028.7	3057.4
5°	2879.6	2934.1	2951.3	2994.3	3045.9
7.5°	2627.2	2793.5	2839.4	2942.7	3023.0
10°	2383.3	2549.7	2630.1	2873.8	2994.3
12.5°	2260.0	2357.5	2412.0	2753.4	2954.1
15°	2182.5	2251.4	2291.5	2592.8	2908.2
17.5°	2122.3	2171.1	2199.8	2434.9	2845.2
20°	2085.0	2108.0	2133.8	2320.2	2773.5
22.5°	2059.2	2044.9	2065.0	2239.9	2675.9
25°	2042.0	1987.5	2010.5	2176.8	2561.2
27.5°	2056.4	1935.9	1944.5	2119.5	2440.7
30°	2059.2	1872.8	1875.7	2059.2	2305.9
32.5°	2039.1	1806.8	1809.7	1984.7	2153.9
35°	1990.4	1729.4	1726.5	1898.6	1947.4
37.5°	1924.4	1646.2	1646.2	1804.0	1720.8
40°	1844.1	1563.1	1571.7	1680.6	1520.0
42.5°	1746.6	1474.2	1485.6	1517.2	1370.9
45°	1640.5	1388.1	1396.7	1282.0	1256.2
47.5°	1522.9	1299.2	1302.1	1064.0	1218.9
50°	1382.4	1207.4	1196.0	912.0	1216.0
52.5°	1259.1	1107.0	1072.6	826.0	1104.2
55°	1138.6	1000.9	926.4	760.0	1023.9
57.5°	1032.5	863.3	791.6	682.6	1006.7
60°	935.0	728.5	674.0	599.4	923.5
62.5°	854.7	628.1	616.6	542.1	837.5
65°	768.6	559.3	556.4	493.3	711.3
67.5°	685.5	513.4	510.5	447.4	542.1
70°	596.5	464.6	458.9	398.7	401.5
72.5°	504.8	410.1	404.4	358.5	332.7
75°	413.0	347.0	344.2	312.6	269.6
77.5°	324.1	275.3	281.1	252.4	197.9
80°	232.3	200.8	206.5	180.7	149.1
82.5°	154.9	131.9	137.7	114.7	100.4
85°	86.0	74.6	77.4	60.2	45.9
87.5°	40.2	34.4	34.4	22.9	14.3
90°	65.3	41.6	38.6	26.7	14.8
92.5°	403.0	286.6	261.4	160.3	59.4
95°	991.4	558.3	512.1	327.3	142.5
97.5°	1335.4	613.3	572.5	409.5	246.5
100°	1460.7	659.4	622.4	474.6	326.7
102.5°	1518.1	705.3	670.8	533.0	395.0
105°	1560.7	773.7	744.4	627.6	510.8
107.5°	1568.6	874.6	847.4	738.5	629.6
110°	1556.7	931.0	906.5	808.1	709.8



TEST NUMBER: P935509
 CATALOG NUMBER: SQ4-FA-125U-075D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1557.1	999.3	975.9	882.2	788.5
115°	1571.6	1101.8	1080.2	993.7	907.2
117.5°	1600.7	1201.3	1181.7	1103.1	1024.6
120°	1624.5	1259.2	1240.8	1166.8	1092.9
122.5°	1658.7	1327.5	1308.9	1234.3	1159.7
125°	1704.7	1415.2	1398.1	1330.2	1262.2
127.5°	1750.7	1499.8	1482.7	1414.0	1345.4
130°	1784.4	1556.2	1537.7	1463.8	1389.9
132.5°	1811.6	1602.3	1583.8	1509.8	1435.9
135°	1841.4	1655.7	1638.9	1571.6	1504.3
137.5°	1885.8	1724.0	1707.3	1640.7	1574.1
140°	1913.1	1770.0	1754.6	1693.3	1631.9
142.5°	1935.8	1804.2	1790.0	1733.2	1676.4
145°	1965.5	1856.2	1843.8	1794.3	1744.8
147.5°	2009.1	1921.5	1909.4	1861.2	1813.1
150°	2031.9	1955.7	1944.8	1901.2	1857.6
152.5°	2046.8	1978.0	1969.7	1936.7	1903.7
155°	2079.4	2026.9	2020.8	1996.4	1971.9
157.5°	2112.1	2076.0	2070.0	2046.2	2022.5
160°	2126.9	2098.2	2093.6	2075.1	2056.6
162.5°	2142.8	2121.9	2118.5	2104.6	2090.8
165°	2165.5	2156.1	2152.9	2140.4	2127.9
167.5°	2183.3	2175.4	2173.9	2168.0	2162.1
170°	2198.1	2197.7	2196.2	2190.3	2184.4
172.5°	2199.2	2199.2	2198.9	2197.6	2196.2
175°	2208.1	2212.6	2212.6	2212.6	2212.6
177.5°	2209.1	2212.6	2212.6	2212.6	2212.6
180°	2212.6	2212.6	2212.6	2212.6	2212.6



TEST NUMBER: P935509
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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	11.07	11.81	12.14	12.88	14.35	13.92	14.66	14.99	15.74	17.20
	3H	11.53	12.20	12.62	13.28	14.77	15.26	15.93	16.34	17.01	18.49
	4H	11.72	12.35	12.81	13.44	14.93	15.70	16.34	16.80	17.42	18.91
	6H	11.83	12.41	12.93	13.50	15.00	15.99	16.57	17.09	17.66	19.16
	8H	11.83	12.38	12.94	13.49	14.98	16.06	16.61	17.17	17.72	19.21
	12H	11.80	12.32	12.91	13.42	14.94	16.10	16.62	17.21	17.72	19.24
4H	2H	12.09	12.72	13.19	13.81	15.29	14.31	14.94	15.41	16.03	17.52
	3H	13.11	13.63	14.21	14.74	16.25	15.81	16.34	16.92	17.45	18.95
	4H	13.38	13.86	14.49	14.96	16.48	16.34	16.82	17.45	17.92	19.45
	6H	13.49	13.91	14.61	15.03	16.55	16.70	17.12	17.82	18.24	19.76
	8H	13.50	13.88	14.62	15.00	16.53	16.81	17.20	17.93	18.31	19.85
	12H	13.46	13.81	14.59	14.94	16.47	16.87	17.22	18.00	18.34	19.88
8H	4H	13.82	14.21	14.94	15.33	16.86	16.45	16.84	17.57	17.96	19.49
	6H	14.08	14.40	15.22	15.56	17.09	16.89	17.21	18.03	18.37	19.90
	8H	14.12	14.40	15.27	15.54	17.09	17.05	17.33	18.19	18.46	20.01
	12H	14.10	14.35	15.25	15.48	17.07	17.14	17.39	18.29	18.52	20.11
12H	4H	13.83	14.18	14.96	15.30	16.84	16.41	16.76	17.55	17.89	19.43
	6H	14.14	14.42	15.29	15.56	17.11	16.89	17.17	18.03	18.31	19.85
	8H	14.20	14.45	15.35	15.58	17.17	17.05	17.29	18.20	18.43	20.01