

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: P936021

Luminaire Tested: SQ4-FA-150U-100D-927-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936021
REPORT IS A COMBINATION OF REPORTS P933777 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-100D-927-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

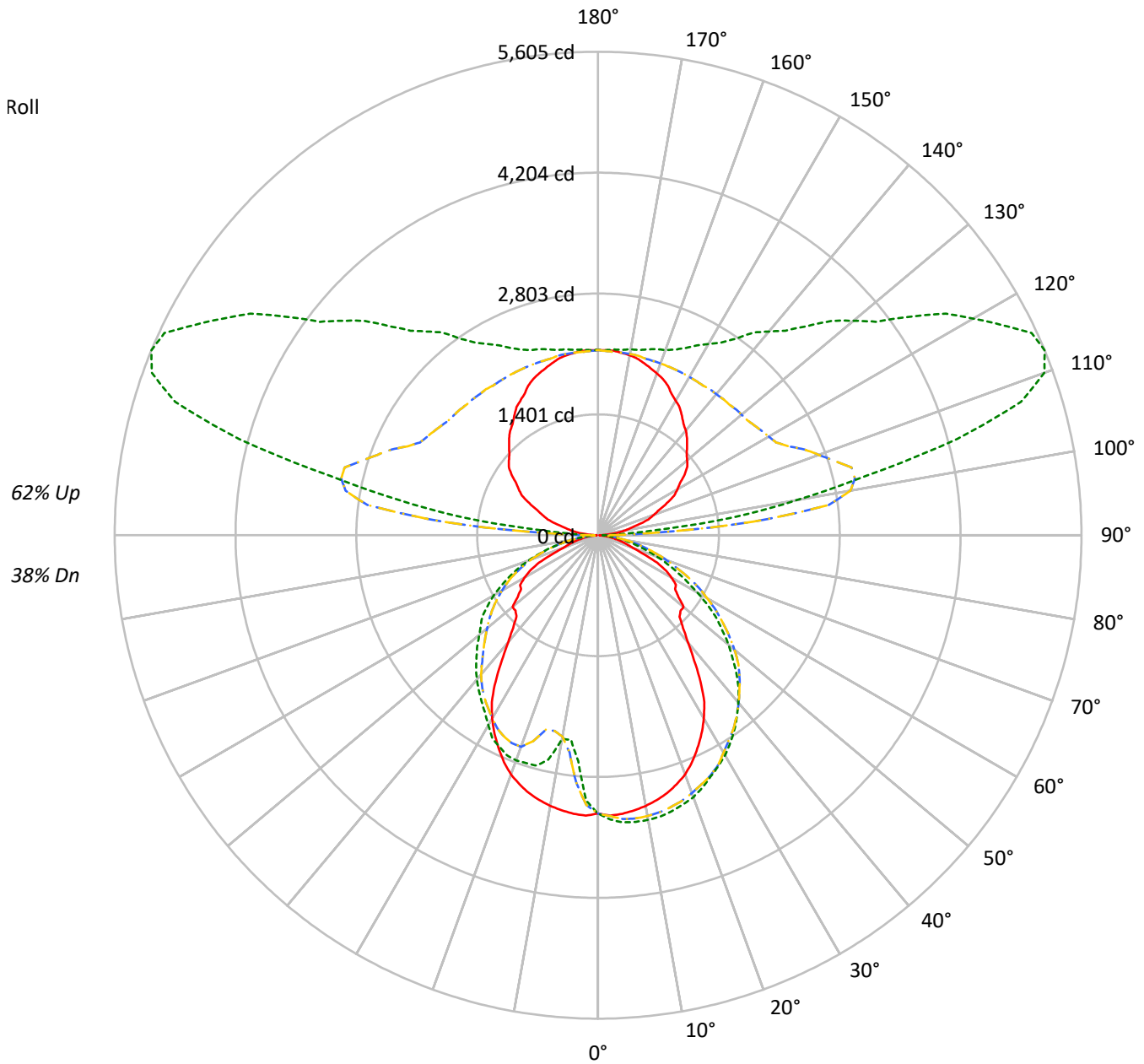
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22289.2 lumens
Efficiency: N/A
Efficacy: 102.6 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): 217.2
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	76	76	76	60	60	60	45	45	45	38				38
1	95	91	87	84	86	83	79	76	67	65	63	53	51	50	40	39	38	32				32
2	87	79	73	68	78	72	67	63	59	55	52	46	44	42	35	33	32	27				27
3	79	70	62	57	71	63	57	52	52	47	44	41	38	35	31	29	27	23				23
4	72	62	54	48	65	56	49	44	46	41	37	36	33	30	28	25	23	19				19
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17				17
6	61	49	41	35	55	45	38	33	37	32	28	29	26	23	22	20	18	15				15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	20	18	16	13				13
8	52	40	32	27	47	37	30	25	30	25	21	24	21	18	19	16	14	12				12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	10				10
10	45	33	26	21	41	31	24	20	25	21	17	21	17	14	16	13	11	9				9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9978	9978	9978	9978
5°	10057	10073	10057	7920
10°	9993	9922	9993	7094
15°	9888	9707	9888	8105
20°	9685	9453	9685	8123
25°	9266	9081	9266	7950
30°	8722	8773	8722	7573
35°	7780	8383	7780	7157
40°	6486	7923	6486	6844
45°	5799	7386	5799	6483
50°	6166	6745	6166	6120
55°	5807	6054	5807	5911
60°	5993	5142	5993	5414
65°	5442	4250	5442	4752
70°	3778	3387	3778	3983
75°	3325	2504	3325	2999
80°	2699	1656	2699	1803
85°	1581	876	1581	745

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8882 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.2	1.3
10°-20°	826.8	3.7
20°-30°	1278.1	5.7
30°-40°	1525.8	6.8
40°-50°	1534.7	6.9
50°-60°	1335.4	6.0
60°-70°	946.8	4.2
70°-80°	500.9	2.2
80°-90°	132.9	0.6
90°-100°	1046.4	4.7
100°-110°	2751.1	12.3
110°-120°	2852.6	12.8
120°-130°	2288.1	10.3
130°-140°	1795.4	8.1
140°-150°	1378.0	6.2
150°-160°	992.4	4.5
160°-170°	607.2	2.7
170°-180°	205.1	0.9
0°-30°	2396.1	10.8
0°-40°	3921.9	17.6
0°-60°	6792.0	30.5
0°-90°	8372.7	37.6
90°-120°	6650.2	29.8
90°-150°	12111.7	54.3
90°-180°	13916.0	62.4
0°-180°	22289.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3226	3226	3226	3226	3226	
5°	3241	3342	3241	2628	3241	307
15°	3095	3312	3095	2765	3095	871
25°	2726	3089	2726	2704	2726	1251
35°	2072	2756	2072	2353	2072	1282
45°	1337	2271	1337	1993	1337	1071
55°	1090	1676	1090	1636	1090	1001
65°	757	1010	757	1129	757	723
75°	287	479	287	574	287	302
85°	49	122	49	104	49	66
90°	14	55	14	55	14	14
95°	138	632	138	632	138	154
105°	496	4308	496	4308	496	525
115°	880	5547	880	5547	880	869
125°	1225	4417	1225	4417	1225	1087
135°	1460	3428	1460	3428	1460	1129
145°	1693	2781	1693	2781	1693	1061
155°	1913	2394	1913	2394	1913	879
165°	2065	2230	2065	2230	2065	583
175°	2147	2161	2147	2161	2147	204
180°	2147	2147	2147	2147	2147	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0
2.5°	3253.5	3253.5	3271.8	3277.9	3277.9	3268.7	3259.6	3268.7	3296.2	3305.4	3302.3
5°	3241.3	3265.7	3299.3	3305.4	3311.5	3308.5	3302.3	3308.5	3339.0	3345.0	3348.1
7.5°	3216.8	3262.6	3305.4	3314.5	3323.7	3314.5	3311.5	3317.6	3348.1	3354.2	3354.2
10°	3186.3	3250.5	3299.3	3305.4	3314.5	3305.4	3305.4	3317.6	3348.1	3354.2	3357.3
12.5°	3143.6	3232.2	3277.9	3284.0	3296.2	3293.1	3290.1	3302.3	3332.9	3339.0	3339.0
15°	3094.8	3198.6	3241.3	3247.4	3268.7	3262.6	3262.6	3274.9	3308.5	3317.6	3314.5
17.5°	3027.6	3155.8	3204.7	3213.8	3229.1	3226.0	3229.1	3241.3	3271.8	3277.9	3281.0
20°	2951.3	3097.9	3155.8	3165.0	3180.3	3180.3	3180.3	3195.5	3226.0	3238.2	3238.2
22.5°	2847.5	3036.8	3097.9	3103.9	3122.3	3122.3	3128.4	3149.7	3177.2	3180.3	3180.3
25°	2725.5	2969.7	3021.6	3039.9	3058.1	3067.3	3076.5	3088.7	3097.9	3094.8	3097.9
27.5°	2597.3	2884.2	2951.3	2963.6	2988.0	2997.1	3009.3	3012.4	3015.4	3024.6	3018.5
30°	2453.8	2765.1	2865.9	2878.1	2917.8	2923.8	2911.7	2917.8	2933.0	2939.2	2945.2
32.5°	2292.1	2588.1	2777.4	2804.8	2841.5	2823.1	2820.1	2829.3	2853.7	2853.7	2859.8
35°	2072.4	2450.8	2695.0	2719.4	2746.8	2725.5	2737.7	2740.7	2756.0	2765.1	2762.1
37.5°	1831.2	2331.8	2609.5	2627.9	2649.2	2621.7	2640.0	2649.2	2661.4	2655.3	2655.3
40°	1617.6	2145.6	2508.8	2521.0	2539.3	2518.0	2536.2	2542.4	2548.5	2542.4	2539.3
42.5°	1458.9	1941.1	2401.9	2417.3	2405.0	2420.3	2426.3	2438.6	2429.4	2417.3	2417.3
45°	1336.8	1886.2	2286.0	2304.3	2286.0	2310.4	2319.5	2319.5	2292.1	2286.0	2283.0
47.5°	1297.1	1776.3	2170.0	2170.0	2160.9	2191.3	2206.7	2185.3	2157.8	2148.7	2148.7
50°	1294.1	1654.2	2011.3	1999.1	2041.8	2078.5	2063.2	2041.8	2020.5	1986.9	1986.9
52.5°	1175.0	1504.7	1806.8	1852.6	1919.8	1941.1	1916.7	1895.4	1858.7	1843.5	1831.2
55°	1089.6	1349.0	1620.6	1712.2	1782.4	1809.9	1764.1	1742.7	1687.8	1678.6	1672.5
57.5°	1071.3	1123.1	1449.8	1565.7	1651.2	1648.1	1620.6	1581.0	1535.1	1526.1	1523.0
60°	982.8	811.8	1266.6	1403.9	1492.5	1483.3	1458.9	1422.3	1379.5	1373.4	1367.3
62.5°	891.2	589.1	1059.1	1214.8	1339.9	1336.8	1315.5	1260.5	1230.0	1214.8	1202.5
65°	756.9	494.4	753.8	1010.2	1190.3	1196.4	1150.6	1111.0	1077.4	1059.1	1056.0
67.5°	576.8	402.9	509.7	842.4	1046.9	1040.7	982.8	964.4	921.7	912.5	894.3
70°	427.3	268.6	354.0	683.7	906.4	891.2	845.4	824.1	784.4	763.0	750.8
72.5°	354.0	216.7	259.4	531.1	763.0	744.7	705.0	680.6	647.0	628.7	616.5
75°	286.9	228.9	198.4	393.7	619.5	607.4	570.7	546.3	518.8	494.4	497.5
77.5°	210.6	213.7	158.7	290.0	491.4	473.1	451.7	421.2	408.9	384.5	384.5
80°	158.7	167.9	119.0	198.4	354.0	354.0	335.7	314.4	293.0	280.8	280.8
82.5°	106.8	106.8	88.5	125.1	241.1	231.9	219.8	213.7	201.4	195.3	195.3
85°	48.8	61.1	54.9	76.3	131.2	137.4	137.4	131.2	128.2	122.0	125.1
87.5°	15.2	27.5	33.6	42.7	67.1	70.2	73.2	73.2	73.2	76.3	76.3
90°	14.4	25.9	37.5	40.3	63.4	94.1	109.5	97.3	73.0	54.7	54.7
92.5°	57.6	155.5	253.6	278.0	390.9	541.4	616.6	540.4	388.0	273.7	262.9
95°	138.3	317.5	496.9	541.7	962.0	1522.3	1802.4	1608.4	1220.4	929.3	896.4
97.5°	239.2	397.3	555.5	595.1	1295.8	2230.0	2697.1	2574.5	2329.2	2145.3	2082.5
100°	316.9	460.4	603.8	639.7	1417.3	2453.9	2972.3	2981.2	2999.2	3012.6	2937.9
102.5°	383.2	517.1	650.9	684.4	1472.9	2524.4	3050.1	3206.4	3518.8	3753.2	3689.1
105°	495.6	609.0	722.3	750.7	1514.3	2532.4	3041.4	3391.7	4092.2	4617.6	4583.2
107.5°	610.9	716.6	822.2	848.6	1521.9	2419.6	2868.6	3357.1	4334.3	5067.1	5075.5
110°	688.7	784.1	879.5	903.4	1510.4	2319.8	2724.5	3270.7	4363.1	5182.4	5218.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	765.1	856.0	946.9	969.7	1510.9	2232.5	2593.4	3152.4	4270.4	5109.0	5164.0
115°	880.3	964.2	1048.1	1069.1	1524.8	2132.5	2436.4	2974.9	4051.9	4859.7	4936.1
117.5°	994.1	1070.3	1146.5	1165.5	1553.1	2069.8	2328.2	2814.3	3786.3	4515.4	4600.1
120°	1060.4	1132.1	1203.8	1221.8	1576.2	2048.7	2285.1	2729.1	3617.2	4283.4	4365.7
122.5°	1125.2	1197.6	1270.0	1288.1	1609.4	2037.7	2251.9	2651.8	3451.6	4051.4	4132.6
125°	1224.7	1290.6	1356.6	1373.1	1654.0	2028.6	2215.9	2555.6	3235.0	3744.5	3819.3
127.5°	1305.3	1371.9	1438.5	1455.1	1698.6	2023.3	2185.6	2477.3	3060.7	3498.2	3561.2
130°	1348.6	1420.3	1492.0	1509.9	1731.3	2026.5	2174.1	2433.7	2953.1	3342.6	3400.9
132.5°	1393.2	1464.9	1536.6	1554.6	1757.7	2028.6	2164.0	2396.5	2861.4	3210.1	3262.3
135°	1459.5	1524.8	1590.1	1606.5	1786.6	2026.7	2146.8	2341.4	2730.7	3022.7	3067.7
137.5°	1527.2	1591.9	1656.6	1672.7	1829.8	2039.1	2143.8	2308.4	2637.6	2884.4	2921.2
140°	1583.4	1642.9	1702.5	1717.4	1856.2	2041.2	2133.7	2275.9	2560.2	2773.5	2807.9
142.5°	1626.6	1681.7	1736.7	1750.5	1878.3	2048.6	2133.7	2258.6	2508.4	2695.7	2725.3
145°	1692.9	1741.0	1788.9	1801.0	1907.1	2048.6	2119.3	2221.5	2425.7	2579.0	2601.4
147.5°	1759.1	1805.9	1852.6	1864.3	1949.3	2062.7	2119.3	2199.7	2360.4	2481.0	2499.6
150°	1802.4	1844.7	1887.0	1897.5	1971.4	2070.1	2119.3	2187.3	2323.0	2424.8	2439.8
152.5°	1847.1	1879.1	1911.1	1919.1	1985.8	2074.8	2119.3	2177.3	2293.2	2380.1	2391.5
155°	1913.4	1937.1	1960.7	1966.7	2017.6	2085.4	2119.3	2165.5	2257.7	2326.9	2334.4
157.5°	1962.3	1985.4	2008.4	2014.2	2049.2	2095.9	2119.3	2155.2	2226.9	2280.7	2286.1
160°	1995.5	2013.4	2031.3	2035.8	2063.7	2100.8	2119.3	2150.1	2211.5	2257.6	2260.7
162.5°	2028.6	2042.0	2055.4	2058.8	2079.0	2105.9	2119.3	2145.3	2197.2	2236.1	2238.9
165°	2064.6	2076.8	2088.9	2092.0	2101.1	2113.3	2119.3	2137.9	2175.0	2202.9	2206.0
167.5°	2097.8	2103.6	2109.3	2110.7	2118.4	2128.7	2133.7	2145.9	2170.2	2188.5	2189.8
170°	2119.3	2125.1	2130.9	2132.4	2132.8	2133.4	2133.7	2145.9	2170.2	2188.5	2188.5
172.5°	2130.9	2132.1	2133.4	2133.7	2133.7	2133.7	2133.7	2143.4	2162.6	2177.0	2175.9
175°	2146.8	2146.8	2146.8	2146.8	2142.4	2136.7	2133.7	2139.8	2152.0	2161.2	2161.2
177.5°	2146.8	2146.8	2146.8	2146.8	2143.4	2138.9	2136.7	2141.4	2151.1	2158.2	2156.9
180°	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0
2.5°	3308.5	3299.3	3308.5	3302.3	3305.4	3296.2	3268.7	3259.6	3268.7	3277.9	3277.9
5°	3348.1	3342.0	3348.1	3348.1	3345.0	3339.0	3308.5	3302.3	3308.5	3311.5	3305.4
7.5°	3360.3	3351.2	3360.3	3354.2	3354.2	3348.1	3317.6	3311.5	3314.5	3323.7	3314.5
10°	3360.3	3351.2	3360.3	3357.3	3354.2	3348.1	3317.6	3305.4	3305.4	3314.5	3305.4
12.5°	3345.0	3339.0	3345.0	3339.0	3339.0	3332.9	3302.3	3290.1	3293.1	3296.2	3284.0
15°	3320.6	3311.5	3320.6	3314.5	3317.6	3308.5	3274.9	3262.6	3262.6	3268.7	3247.4
17.5°	3284.0	3271.8	3284.0	3281.0	3277.9	3271.8	3241.3	3229.1	3226.0	3229.1	3213.8
20°	3241.3	3232.2	3241.3	3238.2	3238.2	3226.0	3195.5	3180.3	3180.3	3180.3	3165.0
22.5°	3174.2	3165.0	3174.2	3180.3	3180.3	3177.2	3149.7	3128.4	3122.3	3122.3	3103.9
25°	3097.9	3088.7	3097.9	3097.9	3094.8	3097.9	3088.7	3076.5	3067.3	3058.1	3039.9
27.5°	3024.6	3018.5	3024.6	3018.5	3024.6	3015.4	3012.4	3009.3	2997.1	2988.0	2963.6
30°	2951.3	2945.2	2951.3	2945.2	2939.2	2933.0	2917.8	2911.7	2923.8	2917.8	2878.1
32.5°	2859.8	2853.7	2859.8	2859.8	2853.7	2853.7	2829.3	2820.1	2823.1	2841.5	2804.8
35°	2765.1	2756.0	2765.1	2762.1	2765.1	2756.0	2740.7	2737.7	2725.5	2746.8	2719.4
37.5°	2655.3	2646.1	2655.3	2655.3	2655.3	2661.4	2649.2	2640.0	2621.7	2649.2	2627.9
40°	2542.4	2530.1	2542.4	2539.3	2542.4	2548.5	2542.4	2536.2	2518.0	2539.3	2521.0
42.5°	2414.2	2411.1	2414.2	2417.3	2417.3	2429.4	2438.6	2426.3	2420.3	2405.0	2417.3
45°	2276.8	2270.7	2276.8	2283.0	2286.0	2292.1	2319.5	2319.5	2310.4	2286.0	2304.3
47.5°	2130.4	2115.1	2130.4	2148.7	2148.7	2157.8	2185.3	2206.7	2191.3	2160.9	2170.0
50°	1974.7	1977.7	1974.7	1986.9	1986.9	2020.5	2041.8	2063.2	2078.5	2041.8	1999.1
52.5°	1822.1	1819.0	1822.1	1831.2	1843.5	1858.7	1895.4	1916.7	1941.1	1919.8	1852.6
55°	1669.4	1675.6	1669.4	1672.5	1678.6	1687.8	1742.7	1764.1	1809.9	1782.4	1712.2
57.5°	1516.9	1507.7	1516.9	1523.0	1526.1	1535.1	1581.0	1620.6	1648.1	1651.2	1565.7
60°	1339.9	1327.6	1339.9	1367.3	1373.4	1379.5	1422.3	1458.9	1483.3	1492.5	1403.9
62.5°	1184.2	1162.9	1184.2	1202.5	1214.8	1230.0	1260.5	1315.5	1336.8	1339.9	1214.8
65°	1019.4	1010.2	1019.4	1056.0	1059.1	1077.4	1111.0	1150.6	1196.4	1190.3	1010.2
67.5°	869.9	869.9	869.9	894.3	912.5	921.7	964.4	982.8	1040.7	1046.9	842.4
70°	732.5	729.4	732.5	750.8	763.0	784.4	824.1	845.4	891.2	906.4	683.7
72.5°	601.3	598.2	601.3	616.5	628.7	647.0	680.6	705.0	744.7	763.0	531.1
75°	485.3	479.2	485.3	497.5	494.4	518.8	546.3	570.7	607.4	619.5	393.7
77.5°	372.4	372.4	372.4	384.5	384.5	408.9	421.2	451.7	473.1	491.4	290.0
80°	277.7	274.7	277.7	280.8	280.8	293.0	314.4	335.7	354.0	354.0	198.4
82.5°	195.3	189.2	195.3	195.3	195.3	201.4	213.7	219.8	231.9	241.1	125.1
85°	122.0	122.0	122.0	125.1	122.0	128.2	131.2	137.4	137.4	131.2	76.3
87.5°	79.4	76.3	79.4	76.3	76.3	73.2	73.2	73.2	70.2	67.1	42.7
90°	54.7	54.7	54.7	54.7	54.7	73.0	97.3	109.5	94.1	63.4	40.3
92.5°	219.3	175.8	219.3	262.9	273.7	388.0	540.4	616.6	541.4	390.9	278.0
95°	764.4	632.5	764.4	896.4	929.3	1220.4	1608.4	1802.4	1522.3	962.0	541.7
97.5°	1831.5	1580.5	1831.5	2082.5	2145.3	2329.2	2574.5	2697.1	2230.0	1295.8	595.1
100°	2638.9	2339.8	2638.9	2937.9	3012.6	2999.2	2981.2	2972.3	2453.9	1417.3	639.7
102.5°	3433.0	3176.9	3433.0	3689.1	3753.2	3518.8	3206.4	3050.1	2524.4	1472.9	684.4
105°	4445.6	4307.9	4445.6	4583.2	4617.6	4092.2	3391.7	3041.4	2532.4	1514.3	750.7
107.5°	5108.8	5142.1	5108.8	5075.5	5067.1	4334.3	3357.1	2868.6	2419.6	1521.9	848.6
110°	5361.7	5505.2	5361.7	5218.3	5182.4	4363.1	3270.7	2724.5	2319.8	1510.4	903.4



TEST NUMBER: P936021

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5384.3	5604.6	5384.3	5164.0	5109.0	4270.4	3152.4	2593.4	2232.5	1510.9	969.7
115°	5241.5	5546.9	5241.5	4936.1	4859.7	4051.9	2974.9	2436.4	2132.5	1524.8	1069.1
117.5°	4938.8	5277.5	4938.8	4600.1	4515.4	3786.3	2814.3	2328.2	2069.8	1553.1	1165.5
120°	4694.8	5023.9	4694.8	4365.7	4283.4	3617.2	2729.1	2285.1	2048.7	1576.2	1221.8
122.5°	4457.3	4781.9	4457.3	4132.6	4051.4	3451.6	2651.8	2251.9	2037.7	1609.4	1288.1
125°	4118.3	4417.4	4118.3	3819.3	3744.5	3235.0	2555.6	2215.9	2028.6	1654.0	1373.1
127.5°	3813.6	4065.8	3813.6	3561.2	3498.2	3060.7	2477.3	2185.6	2023.3	1698.6	1455.1
130°	3633.9	3867.0	3633.9	3400.9	3342.6	2953.1	2433.7	2174.1	2026.5	1731.3	1509.9
132.5°	3470.9	3679.7	3470.9	3262.3	3210.1	2861.4	2396.5	2164.0	2028.6	1757.7	1554.6
135°	3247.6	3427.6	3247.6	3067.7	3022.7	2730.7	2341.4	2146.8	2026.7	1786.6	1606.5
137.5°	3068.5	3215.8	3068.5	2921.2	2884.4	2637.6	2308.4	2143.8	2039.1	1829.8	1672.7
140°	2945.6	3083.2	2945.6	2807.9	2773.5	2560.2	2275.9	2133.7	2041.2	1856.2	1717.4
142.5°	2843.8	2962.2	2843.8	2725.3	2695.7	2508.4	2258.6	2133.7	2048.6	1878.3	1750.5
145°	2691.1	2780.7	2691.1	2601.4	2579.0	2425.7	2221.5	2119.3	2048.6	1907.1	1801.0
147.5°	2573.9	2648.1	2573.9	2499.6	2481.0	2360.4	2199.7	2119.3	2062.7	1949.3	1864.3
150°	2500.0	2560.2	2500.0	2439.8	2424.8	2323.0	2187.3	2119.3	2070.1	1971.4	1897.5
152.5°	2437.0	2482.4	2437.0	2391.5	2380.1	2293.2	2177.3	2119.3	2074.8	1985.8	1919.1
155°	2364.4	2394.5	2364.4	2334.4	2326.9	2257.7	2165.5	2119.3	2085.4	2017.6	1966.7
157.5°	2307.2	2328.2	2307.2	2286.1	2280.7	2226.9	2155.2	2119.3	2095.9	2049.2	2014.2
160°	2272.9	2285.1	2272.9	2260.7	2257.6	2211.5	2150.1	2119.3	2100.8	2063.7	2035.8
162.5°	2250.5	2262.0	2250.5	2238.9	2236.1	2197.2	2145.3	2119.3	2105.9	2079.0	2058.8
165°	2218.1	2230.3	2218.1	2206.0	2202.9	2175.0	2137.9	2119.3	2113.3	2101.1	2092.0
167.5°	2194.9	2200.0	2194.9	2189.8	2188.5	2170.2	2145.9	2133.7	2128.7	2118.4	2110.7
170°	2188.5	2188.5	2188.5	2188.5	2188.5	2170.2	2145.9	2133.7	2133.4	2132.8	2132.4
172.5°	2171.4	2166.9	2171.4	2175.9	2177.0	2162.6	2143.4	2133.7	2133.7	2133.7	2133.7
175°	2161.2	2161.2	2161.2	2161.2	2161.2	2152.0	2139.8	2133.7	2136.7	2142.4	2146.8
177.5°	2151.8	2146.8	2151.8	2156.9	2158.2	2151.1	2141.4	2136.7	2138.9	2143.4	2146.8
180°	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0
2.5°	3271.8	3253.5	3253.5	3223.0	3210.7	3201.6	3186.3	3140.6	3128.4	3116.1	3134.4
5°	3299.3	3265.7	3241.3	3186.3	3140.6	3122.3	3064.3	2954.4	2881.1	2826.2	2795.7
7.5°	3305.4	3262.6	3216.8	3131.4	3021.6	2972.7	2795.7	2594.3	2539.3	2490.5	2459.9
10°	3299.3	3250.5	3186.3	3058.1	2798.7	2713.2	2536.2	2405.0	2371.4	2362.3	2371.4
12.5°	3277.9	3232.2	3143.6	2930.0	2566.8	2508.8	2405.0	2328.7	2322.6	2337.9	2420.3
15°	3241.3	3198.6	3094.8	2759.1	2438.6	2395.9	2322.6	2295.1	2328.7	2435.5	2682.8
17.5°	3204.7	3155.8	3027.6	2591.2	2341.0	2310.4	2258.5	2313.5	2502.7	2646.1	2728.6
20°	3155.8	3097.9	2951.3	2469.1	2270.7	2243.2	2218.8	2466.1	2609.5	2661.4	2707.2
22.5°	3097.9	3036.8	2847.5	2383.7	2197.5	2176.1	2191.3	2551.5	2609.5	2646.1	2685.8
25°	3021.6	2969.7	2725.5	2316.5	2139.5	2115.1	2173.1	2542.4	2576.0	2585.1	2664.4
27.5°	2951.3	2884.2	2597.3	2255.5	2069.3	2060.1	2188.3	2502.7	2527.1	2536.2	2621.7
30°	2865.9	2765.1	2453.8	2191.3	1996.1	1993.0	2191.3	2453.8	2447.8	2472.2	2557.6
32.5°	2777.4	2588.1	2292.1	2112.0	1925.8	1922.8	2170.0	2380.6	2374.5	2408.1	2472.2
35°	2695.0	2450.8	2072.4	2020.5	1837.4	1840.4	2118.1	2295.1	2298.2	2328.7	2368.4
37.5°	2609.5	2331.8	1831.2	1919.8	1751.9	1751.9	2047.9	2215.8	2209.7	2218.8	2273.8
40°	2508.8	2145.6	1617.6	1788.5	1672.5	1663.4	1962.5	2130.4	2109.0	2106.0	2182.3
42.5°	2401.9	1941.1	1458.9	1614.5	1581.0	1568.7	1858.7	2026.6	1986.9	1996.1	2093.7
45°	2286.0	1886.2	1336.8	1364.3	1486.3	1477.2	1745.7	1907.5	1880.0	1904.5	2005.2
47.5°	2170.0	1776.3	1297.1	1132.3	1385.6	1382.6	1620.6	1791.6	1776.3	1800.7	1907.5
50°	2011.3	1654.2	1294.1	970.6	1272.7	1284.9	1471.1	1678.6	1678.6	1700.0	1812.9
52.5°	1806.8	1504.7	1175.0	879.0	1141.4	1178.1	1339.9	1581.0	1587.0	1608.5	1709.2
55°	1620.6	1349.0	1089.6	808.8	985.8	1065.1	1211.7	1480.2	1492.5	1513.8	1605.4
57.5°	1449.8	1123.1	1071.3	726.4	842.4	918.7	1098.7	1382.6	1388.7	1407.0	1495.5
60°	1266.6	811.8	982.8	637.9	717.3	775.2	995.0	1266.6	1288.0	1300.1	1376.5
62.5°	1059.1	589.1	891.2	576.8	656.2	668.4	909.5	1156.7	1184.2	1193.3	1239.2
65°	753.8	494.4	756.9	525.0	592.1	595.1	818.0	1043.8	1068.2	1083.5	1117.0
67.5°	509.7	402.9	576.8	476.1	543.2	546.3	729.4	912.5	946.1	958.3	979.7
70°	354.0	268.6	427.3	424.3	488.3	494.4	634.9	793.6	824.1	833.2	845.4
72.5°	259.4	216.7	354.0	381.5	430.4	436.4	537.2	659.3	689.8	698.9	705.0
75°	198.4	228.9	286.9	332.6	366.2	369.3	439.5	537.2	558.6	564.6	567.6
77.5°	158.7	213.7	210.6	268.6	299.1	293.0	344.9	415.1	433.4	433.4	433.4
80°	119.0	167.9	158.7	192.3	219.8	213.7	247.2	296.1	302.1	308.2	305.2
82.5°	88.5	106.8	106.8	122.0	146.5	140.4	164.8	192.3	192.3	192.3	198.4
85°	54.9	61.1	48.8	64.1	82.4	79.4	91.6	103.8	106.8	106.8	100.7
87.5°	33.6	27.5	15.2	24.4	36.7	36.7	42.7	45.8	42.7	42.7	42.7
90°	37.5	25.9	14.4	25.9	37.5	40.3	63.4	94.1	109.5	97.3	73.0
92.5°	253.6	155.5	57.6	155.5	253.6	278.0	390.9	541.4	616.6	540.4	388.0
95°	496.9	317.5	138.3	317.5	496.9	541.7	962.0	1522.3	1802.4	1608.4	1220.4
97.5°	555.5	397.3	239.2	397.3	555.5	595.1	1295.8	2230.0	2697.1	2574.5	2329.2
100°	603.8	460.4	316.9	460.4	603.8	639.7	1417.3	2453.9	2972.3	2981.2	2999.2
102.5°	650.9	517.1	383.2	517.1	650.9	684.4	1472.9	2524.4	3050.1	3206.4	3518.8
105°	722.3	609.0	495.6	609.0	722.3	750.7	1514.3	2532.4	3041.4	3391.7	4092.2
107.5°	822.2	716.6	610.9	716.6	822.2	848.6	1521.9	2419.6	2868.6	3357.1	4334.3
110°	879.5	784.1	688.7	784.1	879.5	903.4	1510.4	2319.8	2724.5	3270.7	4363.1



TEST NUMBER: P936021

CATALOG NUMBER: SQ4-FA-150U-100D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	946.9	856.0	765.1	856.0	946.9	969.7	1510.9	2232.5	2593.4	3152.4	4270.4
115°	1048.1	964.2	880.3	964.2	1048.1	1069.1	1524.8	2132.5	2436.4	2974.9	4051.9
117.5°	1146.5	1070.3	994.1	1070.3	1146.5	1165.5	1553.1	2069.8	2328.2	2814.3	3786.3
120°	1203.8	1132.1	1060.4	1132.1	1203.8	1221.8	1576.2	2048.7	2285.1	2729.1	3617.2
122.5°	1270.0	1197.6	1125.2	1197.6	1270.0	1288.1	1609.4	2037.7	2251.9	2651.8	3451.6
125°	1356.6	1290.6	1224.7	1290.6	1356.6	1373.1	1654.0	2028.6	2215.9	2555.6	3235.0
127.5°	1438.5	1371.9	1305.3	1371.9	1438.5	1455.1	1698.6	2023.3	2185.6	2477.3	3060.7
130°	1492.0	1420.3	1348.6	1420.3	1492.0	1509.9	1731.3	2026.5	2174.1	2433.7	2953.1
132.5°	1536.6	1464.9	1393.2	1464.9	1536.6	1554.6	1757.7	2028.6	2164.0	2396.5	2861.4
135°	1590.1	1524.8	1459.5	1524.8	1590.1	1606.5	1786.6	2026.7	2146.8	2341.4	2730.7
137.5°	1656.6	1591.9	1527.2	1591.9	1656.6	1672.7	1829.8	2039.1	2143.8	2308.4	2637.6
140°	1702.5	1642.9	1583.4	1642.9	1702.5	1717.4	1856.2	2041.2	2133.7	2275.9	2560.2
142.5°	1736.7	1681.7	1626.6	1681.7	1736.7	1750.5	1878.3	2048.6	2133.7	2258.6	2508.4
145°	1788.9	1741.0	1692.9	1741.0	1788.9	1801.0	1907.1	2048.6	2119.3	2221.5	2425.7
147.5°	1852.6	1805.9	1759.1	1805.9	1852.6	1864.3	1949.3	2062.7	2119.3	2199.7	2360.4
150°	1887.0	1844.7	1802.4	1844.7	1887.0	1897.5	1971.4	2070.1	2119.3	2187.3	2323.0
152.5°	1911.1	1879.1	1847.1	1879.1	1911.1	1919.1	1985.8	2074.8	2119.3	2177.3	2293.2
155°	1960.7	1937.1	1913.4	1937.1	1960.7	1966.7	2017.6	2085.4	2119.3	2165.5	2257.7
157.5°	2008.4	1985.4	1962.3	1985.4	2008.4	2014.2	2049.2	2095.9	2119.3	2155.2	2226.9
160°	2031.3	2013.4	1995.5	2013.4	2031.3	2035.8	2063.7	2100.8	2119.3	2150.1	2211.5
162.5°	2055.4	2042.0	2028.6	2042.0	2055.4	2058.8	2079.0	2105.9	2119.3	2145.3	2197.2
165°	2088.9	2076.8	2064.6	2076.8	2088.9	2092.0	2101.1	2113.3	2119.3	2137.9	2175.0
167.5°	2109.3	2103.6	2097.8	2103.6	2109.3	2110.7	2118.4	2128.7	2133.7	2145.9	2170.2
170°	2130.9	2125.1	2119.3	2125.1	2130.9	2132.4	2132.8	2133.4	2133.7	2145.9	2170.2
172.5°	2133.4	2132.1	2130.9	2132.1	2133.4	2133.7	2133.7	2133.7	2133.7	2143.4	2162.6
175°	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2142.4	2136.7	2133.7	2139.8	2152.0
177.5°	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2143.4	2138.9	2136.7	2141.4	2151.1
180°	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8



TEST NUMBER: P936021

CATALOG NUMBER: SQ4-FA-150U-100D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0
2.5°	3113.1	3103.9	3116.1	3082.5	3116.1	3103.9	3113.1	3134.4	3116.1	3128.4	3140.6
5°	2731.6	2716.3	2667.5	2627.9	2667.5	2716.3	2731.6	2795.7	2826.2	2881.1	2954.4
7.5°	2441.7	2429.4	2417.3	2392.8	2417.3	2429.4	2441.7	2459.9	2490.5	2539.3	2594.3
10°	2377.5	2380.6	2398.9	2395.9	2398.9	2380.6	2377.5	2371.4	2362.3	2371.4	2405.0
12.5°	2542.4	2569.8	2670.5	2664.4	2670.5	2569.8	2542.4	2420.3	2337.9	2322.6	2328.7
15°	2731.6	2740.7	2762.1	2765.1	2762.1	2740.7	2731.6	2682.8	2435.5	2328.7	2295.1
17.5°	2749.9	2753.0	2768.2	2768.2	2768.2	2753.0	2749.9	2728.6	2646.1	2502.7	2313.5
20°	2734.7	2740.7	2771.2	2777.4	2771.2	2740.7	2734.7	2707.2	2661.4	2609.5	2466.1
22.5°	2728.6	2740.7	2765.1	2762.1	2765.1	2740.7	2728.6	2685.8	2646.1	2609.5	2551.5
25°	2698.0	2698.0	2701.1	2704.1	2701.1	2698.0	2698.0	2664.4	2585.1	2576.0	2542.4
27.5°	2633.9	2640.0	2658.3	2655.3	2658.3	2640.0	2633.9	2621.7	2536.2	2527.1	2502.7
30°	2576.0	2569.8	2554.6	2542.4	2554.6	2569.8	2576.0	2557.6	2472.2	2447.8	2453.8
32.5°	2478.2	2463.0	2447.8	2438.6	2447.8	2463.0	2478.2	2472.2	2408.1	2374.5	2380.6
35°	2362.3	2365.4	2362.3	2353.1	2362.3	2365.4	2362.3	2368.4	2328.7	2298.2	2295.1
37.5°	2279.9	2286.0	2283.0	2270.7	2283.0	2286.0	2279.9	2273.8	2218.8	2209.7	2215.8
40°	2194.4	2197.5	2194.4	2185.3	2194.4	2197.5	2194.4	2182.3	2106.0	2109.0	2130.4
42.5°	2112.0	2109.0	2099.8	2093.7	2099.8	2109.0	2112.0	2093.7	1996.1	1986.9	2026.6
45°	2017.4	2020.5	2002.2	1993.0	2002.2	2020.5	2017.4	2005.2	1904.5	1880.0	1907.5
47.5°	1922.8	1922.8	1907.5	1898.4	1907.5	1922.8	1922.8	1907.5	1800.7	1776.3	1791.6
50°	1822.1	1819.0	1797.6	1794.6	1797.6	1819.0	1822.1	1812.9	1700.0	1678.6	1678.6
52.5°	1706.1	1706.1	1709.2	1715.3	1709.2	1706.1	1706.1	1709.2	1608.5	1587.0	1581.0
55°	1605.4	1608.5	1629.8	1635.9	1629.8	1608.5	1605.4	1605.4	1513.8	1492.5	1480.2
57.5°	1501.6	1501.6	1516.9	1516.9	1516.9	1501.6	1501.6	1495.5	1407.0	1388.7	1382.6
60°	1382.6	1388.7	1400.9	1397.9	1400.9	1388.7	1382.6	1376.5	1300.1	1288.0	1266.6
62.5°	1257.4	1263.6	1266.6	1260.5	1266.6	1263.6	1257.4	1239.2	1193.3	1184.2	1156.7
65°	1126.2	1132.3	1135.4	1129.3	1135.4	1132.3	1126.2	1117.0	1083.5	1068.2	1043.8
67.5°	991.9	988.8	985.8	998.0	985.8	988.8	991.9	979.7	958.3	946.1	912.5
70°	854.5	854.5	851.5	857.6	851.5	854.5	854.5	845.4	833.2	824.1	793.6
72.5°	708.1	705.0	717.3	708.1	717.3	705.0	708.1	705.0	698.9	689.8	659.3
75°	564.6	570.7	564.6	573.8	564.6	570.7	564.6	567.6	564.6	558.6	537.2
77.5°	430.4	436.4	430.4	430.4	430.4	436.4	430.4	433.4	433.4	433.4	415.1
80°	305.2	302.1	302.1	299.1	302.1	302.1	305.2	305.2	308.2	302.1	296.1
82.5°	195.3	192.3	192.3	198.4	192.3	192.3	195.3	198.4	192.3	192.3	192.3
85°	106.8	109.9	103.8	103.8	103.8	109.9	106.8	100.7	106.8	106.8	103.8
87.5°	39.7	36.7	36.7	36.7	36.7	36.7	39.7	42.7	42.7	42.7	45.8
90°	54.7	54.7	54.7	54.7	54.7	54.7	54.7	73.0	97.3	109.5	94.1
92.5°	273.7	262.9	219.3	175.8	219.3	262.9	273.7	388.0	540.4	616.6	541.4
95°	929.3	896.4	764.4	632.5	764.4	896.4	929.3	1220.4	1608.4	1802.4	1522.3
97.5°	2145.3	2082.5	1831.5	1580.5	1831.5	2082.5	2145.3	2329.2	2574.5	2697.1	2230.0
100°	3012.6	2937.9	2638.9	2339.8	2638.9	2937.9	3012.6	2999.2	2981.2	2972.3	2453.9
102.5°	3753.2	3689.1	3433.0	3176.9	3433.0	3689.1	3753.2	3518.8	3206.4	3050.1	2524.4
105°	4617.6	4583.2	4445.6	4307.9	4445.6	4583.2	4617.6	4092.2	3391.7	3041.4	2532.4
107.5°	5067.1	5075.5	5108.8	5142.1	5108.8	5075.5	5067.1	4334.3	3357.1	2868.6	2419.6
110°	5182.4	5218.3	5361.7	5505.2	5361.7	5218.3	5182.4	4363.1	3270.7	2724.5	2319.8



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5109.0	5164.0	5384.3	5604.6	5384.3	5164.0	5109.0	4270.4	3152.4	2593.4	2232.5
115°	4859.7	4936.1	5241.5	5546.9	5241.5	4936.1	4859.7	4051.9	2974.9	2436.4	2132.5
117.5°	4515.4	4600.1	4938.8	5277.5	4938.8	4600.1	4515.4	3786.3	2814.3	2328.2	2069.8
120°	4283.4	4365.7	4694.8	5023.9	4694.8	4365.7	4283.4	3617.2	2729.1	2285.1	2048.7
122.5°	4051.4	4132.6	4457.3	4781.9	4457.3	4132.6	4051.4	3451.6	2651.8	2251.9	2037.7
125°	3744.5	3819.3	4118.3	4417.4	4118.3	3819.3	3744.5	3235.0	2555.6	2215.9	2028.6
127.5°	3498.2	3561.2	3813.6	4065.8	3813.6	3561.2	3498.2	3060.7	2477.3	2185.6	2023.3
130°	3342.6	3400.9	3633.9	3867.0	3633.9	3400.9	3342.6	2953.1	2433.7	2174.1	2026.5
132.5°	3210.1	3262.3	3470.9	3679.7	3470.9	3262.3	3210.1	2861.4	2396.5	2164.0	2028.6
135°	3022.7	3067.7	3247.6	3427.6	3247.6	3067.7	3022.7	2730.7	2341.4	2146.8	2026.7
137.5°	2884.4	2921.2	3068.5	3215.8	3068.5	2921.2	2884.4	2637.6	2308.4	2143.8	2039.1
140°	2773.5	2807.9	2945.6	3083.2	2945.6	2807.9	2773.5	2560.2	2275.9	2133.7	2041.2
142.5°	2695.7	2725.3	2843.8	2962.2	2843.8	2725.3	2695.7	2508.4	2258.6	2133.7	2048.6
145°	2579.0	2601.4	2691.1	2780.7	2691.1	2601.4	2579.0	2425.7	2221.5	2119.3	2048.6
147.5°	2481.0	2499.6	2573.9	2648.1	2573.9	2499.6	2481.0	2360.4	2199.7	2119.3	2062.7
150°	2424.8	2439.8	2500.0	2560.2	2500.0	2439.8	2424.8	2323.0	2187.3	2119.3	2070.1
152.5°	2380.1	2391.5	2437.0	2482.4	2437.0	2391.5	2380.1	2293.2	2177.3	2119.3	2074.8
155°	2326.9	2334.4	2364.4	2394.5	2364.4	2334.4	2326.9	2257.7	2165.5	2119.3	2085.4
157.5°	2280.7	2286.1	2307.2	2328.2	2307.2	2286.1	2280.7	2226.9	2155.2	2119.3	2095.9
160°	2257.6	2260.7	2272.9	2285.1	2272.9	2260.7	2257.6	2211.5	2150.1	2119.3	2100.8
162.5°	2236.1	2238.9	2250.5	2262.0	2250.5	2238.9	2236.1	2197.2	2145.3	2119.3	2105.9
165°	2202.9	2206.0	2218.1	2230.3	2218.1	2206.0	2202.9	2175.0	2137.9	2119.3	2113.3
167.5°	2188.5	2189.8	2194.9	2200.0	2194.9	2189.8	2188.5	2170.2	2145.9	2133.7	2128.7
170°	2188.5	2188.5	2188.5	2188.5	2188.5	2188.5	2188.5	2170.2	2145.9	2133.7	2133.4
172.5°	2177.0	2175.9	2171.4	2166.9	2171.4	2175.9	2177.0	2162.6	2143.4	2133.7	2133.7
175°	2161.2	2161.2	2161.2	2161.2	2161.2	2161.2	2161.2	2152.0	2139.8	2133.7	2136.7
177.5°	2158.2	2156.9	2151.8	2146.8	2151.8	2156.9	2158.2	2151.1	2141.4	2136.7	2138.9
180°	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3226.0	3226.0	3226.0	3226.0	3226.0
2.5°	3186.3	3201.6	3210.7	3223.0	3253.5
5°	3064.3	3122.3	3140.6	3186.3	3241.3
7.5°	2795.7	2972.7	3021.6	3131.4	3216.8
10°	2536.2	2713.2	2798.7	3058.1	3186.3
12.5°	2405.0	2508.8	2566.8	2930.0	3143.6
15°	2322.6	2395.9	2438.6	2759.1	3094.8
17.5°	2258.5	2310.4	2341.0	2591.2	3027.6
20°	2218.8	2243.2	2270.7	2469.1	2951.3
22.5°	2191.3	2176.1	2197.5	2383.7	2847.5
25°	2173.1	2115.1	2139.5	2316.5	2725.5
27.5°	2188.3	2060.1	2069.3	2255.5	2597.3
30°	2191.3	1993.0	1996.1	2191.3	2453.8
32.5°	2170.0	1922.8	1925.8	2112.0	2292.1
35°	2118.1	1840.4	1837.4	2020.5	2072.4
37.5°	2047.9	1751.9	1751.9	1919.8	1831.2
40°	1962.5	1663.4	1672.5	1788.5	1617.6
42.5°	1858.7	1568.7	1581.0	1614.5	1458.9
45°	1745.7	1477.2	1486.3	1364.3	1336.8
47.5°	1620.6	1382.6	1385.6	1132.3	1297.1
50°	1471.1	1284.9	1272.7	970.6	1294.1
52.5°	1339.9	1178.1	1141.4	879.0	1175.0
55°	1211.7	1065.1	985.8	808.8	1089.6
57.5°	1098.7	918.7	842.4	726.4	1071.3
60°	995.0	775.2	717.3	637.9	982.8
62.5°	909.5	668.4	656.2	576.8	891.2
65°	818.0	595.1	592.1	525.0	756.9
67.5°	729.4	546.3	543.2	476.1	576.8
70°	634.9	494.4	488.3	424.3	427.3
72.5°	537.2	436.4	430.4	381.5	354.0
75°	439.5	369.3	366.2	332.6	286.9
77.5°	344.9	293.0	299.1	268.6	210.6
80°	247.2	213.7	219.8	192.3	158.7
82.5°	164.8	140.4	146.5	122.0	106.8
85°	91.6	79.4	82.4	64.1	48.8
87.5°	42.7	36.7	36.7	24.4	15.2
90°	63.4	40.3	37.5	25.9	14.4
92.5°	390.9	278.0	253.6	155.5	57.6
95°	962.0	541.7	496.9	317.5	138.3
97.5°	1295.8	595.1	555.5	397.3	239.2
100°	1417.3	639.7	603.8	460.4	316.9
102.5°	1472.9	684.4	650.9	517.1	383.2
105°	1514.3	750.7	722.3	609.0	495.6
107.5°	1521.9	848.6	822.2	716.6	610.9
110°	1510.4	903.4	879.5	784.1	688.7



TEST NUMBER: P936021

CATALOG NUMBER: SQ4-FA-150U-100D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1510.9	969.7	946.9	856.0	765.1
115°	1524.8	1069.1	1048.1	964.2	880.3
117.5°	1553.1	1165.5	1146.5	1070.3	994.1
120°	1576.2	1221.8	1203.8	1132.1	1060.4
122.5°	1609.4	1288.1	1270.0	1197.6	1125.2
125°	1654.0	1373.1	1356.6	1290.6	1224.7
127.5°	1698.6	1455.1	1438.5	1371.9	1305.3
130°	1731.3	1509.9	1492.0	1420.3	1348.6
132.5°	1757.7	1554.6	1536.6	1464.9	1393.2
135°	1786.6	1606.5	1590.1	1524.8	1459.5
137.5°	1829.8	1672.7	1656.6	1591.9	1527.2
140°	1856.2	1717.4	1702.5	1642.9	1583.4
142.5°	1878.3	1750.5	1736.7	1681.7	1626.6
145°	1907.1	1801.0	1788.9	1741.0	1692.9
147.5°	1949.3	1864.3	1852.6	1805.9	1759.1
150°	1971.4	1897.5	1887.0	1844.7	1802.4
152.5°	1985.8	1919.1	1911.1	1879.1	1847.1
155°	2017.6	1966.7	1960.7	1937.1	1913.4
157.5°	2049.2	2014.2	2008.4	1985.4	1962.3
160°	2063.7	2035.8	2031.3	2013.4	1995.5
162.5°	2079.0	2058.8	2055.4	2042.0	2028.6
165°	2101.1	2092.0	2088.9	2076.8	2064.6
167.5°	2118.4	2110.7	2109.3	2103.6	2097.8
170°	2132.8	2132.4	2130.9	2125.1	2119.3
172.5°	2133.7	2133.7	2133.4	2132.1	2130.9
175°	2142.4	2146.8	2146.8	2146.8	2146.8
177.5°	2143.4	2146.8	2146.8	2146.8	2146.8
180°	2146.8	2146.8	2146.8	2146.8	2146.8



TEST NUMBER: P936021
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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	11.53	12.29	12.59	13.35	14.79	14.38	15.14	15.44	16.20	17.64
	3H	12.00	12.68	13.07	13.75	15.21	15.73	16.41	16.79	17.48	18.93
	4H	12.19	12.83	13.27	13.90	15.37	16.17	16.82	17.25	17.89	19.35
	6H	12.30	12.89	13.39	13.97	15.44	16.46	17.05	17.54	18.12	19.60
	8H	12.30	12.86	13.39	13.95	15.42	16.53	17.10	17.62	18.19	19.66
	12H	12.27	12.80	13.36	13.89	15.38	16.57	17.11	17.67	18.19	19.68
4H	2H	12.56	13.20	13.64	14.27	15.74	14.78	15.42	15.86	16.49	17.96
	3H	13.57	14.11	14.67	15.21	16.69	16.28	16.82	17.37	17.92	19.39
	4H	13.85	14.34	14.94	15.43	16.93	16.81	17.30	17.91	18.39	19.89
	6H	13.97	14.39	15.07	15.50	16.99	17.17	17.60	18.28	18.71	20.20
	8H	13.97	14.36	15.07	15.47	16.97	17.28	17.68	18.39	18.78	20.29
	12H	13.93	14.29	15.05	15.40	16.92	17.34	17.70	18.46	18.81	20.32
8H	4H	14.30	14.69	15.40	15.79	17.30	16.93	17.32	18.03	18.42	19.93
	6H	14.55	14.88	15.68	16.02	17.53	17.36	17.69	18.49	18.84	20.34
	8H	14.59	14.88	15.73	16.01	17.53	17.52	17.80	18.65	18.93	20.45
	12H	14.57	14.82	15.71	15.95	17.51	17.62	17.87	18.75	18.99	20.55
12H	4H	14.30	14.65	15.42	15.77	17.28	16.88	17.24	18.01	18.36	19.87
	6H	14.61	14.90	15.75	16.03	17.55	17.36	17.65	18.49	18.77	20.30
	8H	14.68	14.93	15.81	16.05	17.61	17.52	17.77	18.66	18.89	20.45