

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: P934309

Luminaire Tested: SQ4-FA-050U-075D-830-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934309
REPORT IS A COMBINATION OF REPORTS P933693 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-075D-830-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

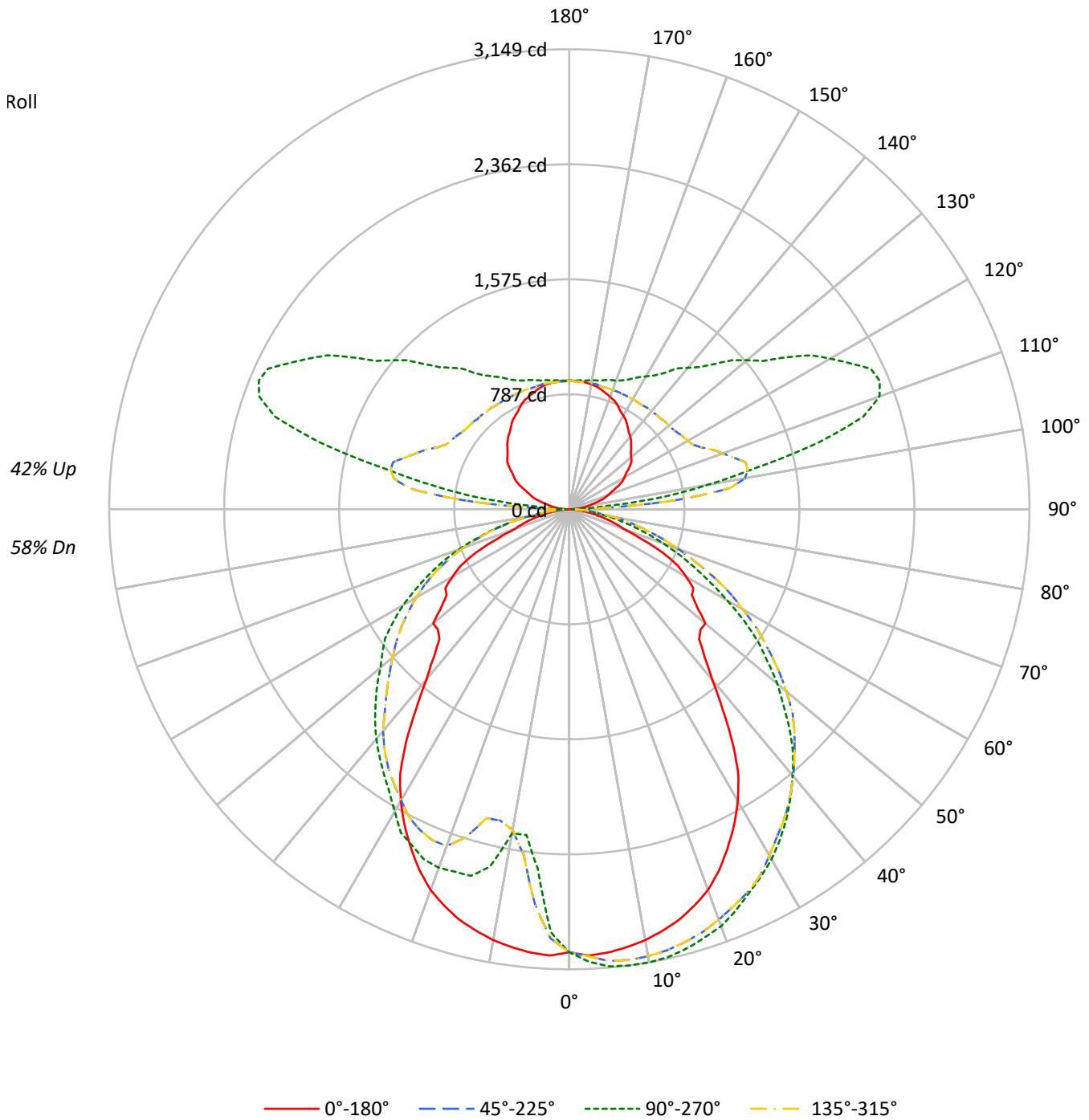
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13573.2 lumens
Efficiency: N/A
Efficacy: 124.3 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): 109.2
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





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	109	109	109	109	102	102	102	102	88	88	88	75	75	75	63	63	63	58			58
1	100	95	91	88	93	89	86	83	77	75	72	66	64	63	56	55	54	49			49
2	91	83	77	72	84	78	72	68	68	63	60	58	55	52	49	47	45	41			41
3	83	73	66	60	77	68	62	57	60	55	50	51	48	44	44	41	39	35			35
4	76	65	57	51	70	61	54	48	53	47	43	46	41	38	39	36	33	30			30
5	70	58	49	43	65	54	47	41	47	42	37	41	37	33	35	32	29	26			26
6	64	52	44	38	60	49	41	36	43	37	32	37	32	29	32	28	25	23			23
7	59	47	39	33	55	44	37	31	39	33	28	34	29	25	29	25	23	20			20
8	55	42	35	29	51	40	33	28	35	29	25	31	26	23	27	23	20	18			18
9	51	39	31	26	48	37	30	25	32	27	23	28	24	20	25	21	18	16			16
10	48	36	28	23	45	34	27	22	30	24	20	26	22	18	23	19	17	15			15

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	2.0
10°-20°	777.0	5.7
20°-30°	1201.1	8.8
30°-40°	1433.8	10.6
40°-50°	1442.2	10.6
50°-60°	1254.9	9.2
60°-70°	889.7	6.6
70°-80°	470.7	3.5
80°-90°	120.6	0.9
90°-100°	429.3	3.2
100°-110°	1128.7	8.3
110°-120°	1170.4	8.6
120°-130°	938.8	6.9
130°-140°	736.6	5.4
140°-150°	565.4	4.2
150°-160°	407.2	3.0
160°-170°	249.1	1.8
170°-180°	84.2	0.6
0°-30°	2251.7	16.6
0°-40°	3685.5	27.2
0°-60°	6382.5	47.0
0°-90°	7863.5	57.9
90°-120°	2728.4	20.1
90°-150°	4969.2	36.6
90°-180°	5710.0	42.1
0°-180°	13573.2	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°	6	22	6	22	6	7
95°	57	260	57	260	57	63
105°	203	1768	203	1768	203	216
115°	361	2276	361	2276	361	357
125°	502	1812	502	1812	502	446
135°	599	1406	599	1406	599	463
145°	694	1141	694	1141	694	435
155°	785	982	785	982	785	361
165°	847	915	847	915	847	239
175°	881	887	881	887	881	84
180°	881	881	881	881	881	



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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°	5.9	10.6	15.4	16.5	26.0	38.6	44.9	40.0	29.9	22.5	22.5
92.5°	23.6	63.8	104.0	114.1	160.3	222.1	253.0	221.7	159.2	112.3	107.8
95°	56.8	130.3	203.9	222.3	394.6	624.6	739.5	659.8	500.7	381.3	367.7
97.5°	98.1	163.0	227.9	244.2	531.6	914.9	1106.6	1056.3	955.6	880.2	854.5
100°	130.0	188.9	247.7	262.4	581.4	1006.8	1219.5	1223.1	1230.5	1236.0	1205.3
102.5°	157.3	212.1	267.0	280.8	604.3	1035.7	1251.4	1315.5	1443.7	1539.8	1513.5
105°	203.3	249.8	296.3	307.9	621.2	1039.0	1247.9	1391.6	1678.9	1894.5	1880.4
107.5°	250.7	294.0	337.4	348.2	624.5	992.8	1176.9	1377.4	1778.4	2079.0	2082.5
110°	282.6	321.7	360.9	370.6	619.7	951.8	1117.9	1341.9	1790.1	2126.2	2141.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	313.9	351.1	388.4	397.8	619.9	915.9	1064.0	1293.4	1752.1	2096.1	2118.7
115°	361.2	395.6	430.0	438.6	625.6	874.9	999.6	1220.5	1662.4	1993.8	2025.2
117.5°	407.8	439.1	470.4	478.2	637.2	849.2	955.2	1154.7	1553.4	1852.5	1887.2
120°	435.1	464.5	493.9	501.2	646.6	840.6	937.5	1119.8	1484.1	1757.4	1791.2
122.5°	461.7	491.4	521.0	528.5	660.3	836.0	923.9	1087.9	1416.1	1662.2	1695.5
125°	502.5	529.5	556.6	563.4	678.7	832.3	909.2	1048.5	1327.2	1536.3	1567.0
127.5°	535.6	562.9	590.2	597.0	696.9	830.1	896.7	1016.4	1255.7	1435.2	1461.2
130°	553.3	582.8	612.1	619.5	710.3	831.4	892.0	998.5	1211.6	1371.4	1395.3
132.5°	571.6	601.0	630.5	637.8	721.2	832.3	887.8	983.2	1174.0	1317.0	1338.4
135°	598.8	625.6	652.4	659.1	733.0	831.5	880.8	960.7	1120.4	1240.2	1258.7
137.5°	626.6	653.1	679.7	686.3	750.7	836.7	879.6	947.1	1082.2	1183.4	1198.5
140°	649.6	674.1	698.5	704.6	761.5	837.5	875.4	933.7	1050.5	1137.9	1152.1
142.5°	667.4	689.9	712.6	718.2	770.6	840.5	875.4	926.7	1029.1	1106.0	1118.1
145°	694.5	714.2	733.9	738.9	782.5	840.5	869.6	911.5	995.3	1058.1	1067.3
147.5°	721.8	740.9	760.1	764.9	799.8	846.3	869.6	902.6	968.5	1017.9	1025.6
150°	739.5	756.8	774.2	778.5	808.9	849.3	869.6	897.4	953.0	994.8	1001.0
152.5°	757.8	770.9	784.1	787.4	814.8	851.3	869.6	893.4	940.9	976.6	981.2
155°	785.0	794.7	804.5	806.9	827.8	855.6	869.6	888.5	926.3	954.7	957.7
157.5°	805.1	814.6	824.0	826.4	840.8	860.0	869.6	884.3	913.6	935.7	937.9
160°	818.7	826.1	833.4	835.3	846.7	861.9	869.6	882.2	907.3	926.3	927.5
162.5°	832.3	837.8	843.4	844.7	853.0	864.0	869.6	880.2	901.4	917.4	918.5
165°	847.1	852.1	857.1	858.3	862.0	867.1	869.6	877.2	892.4	903.8	905.0
167.5°	860.7	863.0	865.4	865.9	869.1	873.3	875.4	880.4	890.4	897.9	898.4
170°	869.6	871.9	874.3	874.8	875.0	875.3	875.4	880.4	890.4	897.9	897.9
172.5°	874.3	874.7	875.3	875.4	875.4	875.4	875.4	879.3	887.3	893.2	892.7
175°	880.8	880.8	880.8	880.8	878.9	876.6	875.4	877.9	883.0	886.7	886.7
177.5°	880.8	880.8	880.8	880.8	879.4	877.6	876.7	878.7	882.6	885.5	885.0
180°	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8



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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°	22.5	22.5	22.5	22.5	22.5	29.9	40.0	44.9	38.6	26.0	16.5
92.5°	90.0	72.1	90.0	107.8	112.3	159.2	221.7	253.0	222.1	160.3	114.1
95°	313.6	259.5	313.6	367.7	381.3	500.7	659.8	739.5	624.6	394.6	222.3
97.5°	751.4	648.5	751.4	854.5	880.2	955.6	1056.3	1106.6	914.9	531.6	244.2
100°	1082.7	960.0	1082.7	1205.3	1236.0	1230.5	1223.1	1219.5	1006.8	581.4	262.4
102.5°	1408.5	1303.4	1408.5	1513.5	1539.8	1443.7	1315.5	1251.4	1035.7	604.3	280.8
105°	1824.0	1767.5	1824.0	1880.4	1894.5	1678.9	1391.6	1247.9	1039.0	621.2	307.9
107.5°	2096.0	2109.7	2096.0	2082.5	2079.0	1778.4	1377.4	1176.9	992.8	624.5	348.2
110°	2199.8	2258.6	2199.8	2141.0	2126.2	1790.1	1341.9	1117.9	951.8	619.7	370.6



TEST NUMBER: P934309

CATALOG NUMBER: SQ4-FA-050U-075D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2209.1	2299.5	2209.1	2118.7	2096.1	1752.1	1293.4	1064.0	915.9	619.9	397.8
115°	2150.5	2275.9	2150.5	2025.2	1993.8	1662.4	1220.5	999.6	874.9	625.6	438.6
117.5°	2026.2	2165.2	2026.2	1887.2	1852.5	1553.4	1154.7	955.2	849.2	637.2	478.2
120°	1926.2	2061.2	1926.2	1791.2	1757.4	1484.1	1119.8	937.5	840.6	646.6	501.2
122.5°	1828.7	1961.9	1828.7	1695.5	1662.2	1416.1	1087.9	923.9	836.0	660.3	528.5
125°	1689.6	1812.4	1689.6	1567.0	1536.3	1327.2	1048.5	909.2	832.3	678.7	563.4
127.5°	1564.6	1668.1	1564.6	1461.2	1435.2	1255.7	1016.4	896.7	830.1	696.9	597.0
130°	1491.0	1586.6	1491.0	1395.3	1371.4	1211.6	998.5	892.0	831.4	710.3	619.5
132.5°	1424.1	1509.7	1424.1	1338.4	1317.0	1174.0	983.2	887.8	832.3	721.2	637.8
135°	1332.5	1406.3	1332.5	1258.7	1240.2	1120.4	960.7	880.8	831.5	733.0	659.1
137.5°	1259.0	1319.4	1259.0	1198.5	1183.4	1082.2	947.1	879.6	836.7	750.7	686.3
140°	1208.5	1265.0	1208.5	1152.1	1137.9	1050.5	933.7	875.4	837.5	761.5	704.6
142.5°	1166.8	1215.4	1166.8	1118.1	1106.0	1029.1	926.7	875.4	840.5	770.6	718.2
145°	1104.1	1140.9	1104.1	1067.3	1058.1	995.3	911.5	869.6	840.5	782.5	738.9
147.5°	1056.0	1086.5	1056.0	1025.6	1017.9	968.5	902.6	869.6	846.3	799.8	764.9
150°	1025.7	1050.5	1025.7	1001.0	994.8	953.0	897.4	869.6	849.3	808.9	778.5
152.5°	999.9	1018.5	999.9	981.2	976.6	940.9	893.4	869.6	851.3	814.8	787.4
155°	970.1	982.5	970.1	957.7	954.7	926.3	888.5	869.6	855.6	827.8	806.9
157.5°	946.5	955.2	946.5	937.9	935.7	913.6	884.3	869.6	860.0	840.8	826.4
160°	932.6	937.5	932.6	927.5	926.3	907.3	882.2	869.6	861.9	846.7	835.3
162.5°	923.3	928.1	923.3	918.5	917.4	901.4	880.2	869.6	864.0	853.0	844.7
165°	910.1	915.1	910.1	905.0	903.8	892.4	877.2	869.6	867.1	862.0	858.3
167.5°	900.6	902.7	900.6	898.4	897.9	890.4	880.4	875.4	873.3	869.1	865.9
170°	897.9	897.9	897.9	897.9	897.9	890.4	880.4	875.4	875.3	875.0	874.8
172.5°	890.9	889.1	890.9	892.7	893.2	887.3	879.3	875.4	875.4	875.4	875.4
175°	886.7	886.7	886.7	886.7	886.7	883.0	877.9	875.4	876.6	878.9	880.8
177.5°	882.9	880.8	882.9	885.0	885.5	882.6	878.7	876.7	877.6	879.4	880.8
180°	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8



TEST NUMBER: P934309

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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°	15.4	10.6	5.9	10.6	15.4	16.5	26.0	38.6	44.9	40.0	29.9
92.5°	104.0	63.8	23.6	63.8	104.0	114.1	160.3	222.1	253.0	221.7	159.2
95°	203.9	130.3	56.8	130.3	203.9	222.3	394.6	624.6	739.5	659.8	500.7
97.5°	227.9	163.0	98.1	163.0	227.9	244.2	531.6	914.9	1106.6	1056.3	955.6
100°	247.7	188.9	130.0	188.9	247.7	262.4	581.4	1006.8	1219.5	1223.1	1230.5
102.5°	267.0	212.1	157.3	212.1	267.0	280.8	604.3	1035.7	1251.4	1315.5	1443.7
105°	296.3	249.8	203.3	249.8	296.3	307.9	621.2	1039.0	1247.9	1391.6	1678.9
107.5°	337.4	294.0	250.7	294.0	337.4	348.2	624.5	992.8	1176.9	1377.4	1778.4
110°	360.9	321.7	282.6	321.7	360.9	370.6	619.7	951.8	1117.9	1341.9	1790.1



TEST NUMBER: P934309

CATALOG NUMBER: SQ4-FA-050U-075D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	388.4	351.1	313.9	351.1	388.4	397.8	619.9	915.9	1064.0	1293.4	1752.1
115°	430.0	395.6	361.2	395.6	430.0	438.6	625.6	874.9	999.6	1220.5	1662.4
117.5°	470.4	439.1	407.8	439.1	470.4	478.2	637.2	849.2	955.2	1154.7	1553.4
120°	493.9	464.5	435.1	464.5	493.9	501.2	646.6	840.6	937.5	1119.8	1484.1
122.5°	521.0	491.4	461.7	491.4	521.0	528.5	660.3	836.0	923.9	1087.9	1416.1
125°	556.6	529.5	502.5	529.5	556.6	563.4	678.7	832.3	909.2	1048.5	1327.2
127.5°	590.2	562.9	535.6	562.9	590.2	597.0	696.9	830.1	896.7	1016.4	1255.7
130°	612.1	582.8	553.3	582.8	612.1	619.5	710.3	831.4	892.0	998.5	1211.6
132.5°	630.5	601.0	571.6	601.0	630.5	637.8	721.2	832.3	887.8	983.2	1174.0
135°	652.4	625.6	598.8	625.6	652.4	659.1	733.0	831.5	880.8	960.7	1120.4
137.5°	679.7	653.1	626.6	653.1	679.7	686.3	750.7	836.7	879.6	947.1	1082.2
140°	698.5	674.1	649.6	674.1	698.5	704.6	761.5	837.5	875.4	933.7	1050.5
142.5°	712.6	689.9	667.4	689.9	712.6	718.2	770.6	840.5	875.4	926.7	1029.1
145°	733.9	714.2	694.5	714.2	733.9	738.9	782.5	840.5	869.6	911.5	995.3
147.5°	760.1	740.9	721.8	740.9	760.1	764.9	799.8	846.3	869.6	902.6	968.5
150°	774.2	756.8	739.5	756.8	774.2	778.5	808.9	849.3	869.6	897.4	953.0
152.5°	784.1	770.9	757.8	770.9	784.1	787.4	814.8	851.3	869.6	893.4	940.9
155°	804.5	794.7	785.0	794.7	804.5	806.9	827.8	855.6	869.6	888.5	926.3
157.5°	824.0	814.6	805.1	814.6	824.0	826.4	840.8	860.0	869.6	884.3	913.6
160°	833.4	826.1	818.7	826.1	833.4	835.3	846.7	861.9	869.6	882.2	907.3
162.5°	843.4	837.8	832.3	837.8	843.4	844.7	853.0	864.0	869.6	880.2	901.4
165°	857.1	852.1	847.1	852.1	857.1	858.3	862.0	867.1	869.6	877.2	892.4
167.5°	865.4	863.0	860.7	863.0	865.4	865.9	869.1	873.3	875.4	880.4	890.4
170°	874.3	871.9	869.6	871.9	874.3	874.8	875.0	875.3	875.4	880.4	890.4
172.5°	875.3	874.7	874.3	874.7	875.3	875.4	875.4	875.4	875.4	879.3	887.3
175°	880.8	880.8	880.8	880.8	880.8	880.8	878.9	876.6	875.4	877.9	883.0
177.5°	880.8	880.8	880.8	880.8	880.8	880.8	879.4	877.6	876.7	878.7	882.6
180°	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8



TEST NUMBER: P934309

CATALOG NUMBER: SQ4-FA-050U-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°	22.5	22.5	22.5	22.5	22.5	22.5	22.5	29.9	40.0	44.9	38.6
92.5°	112.3	107.8	90.0	72.1	90.0	107.8	112.3	159.2	221.7	253.0	222.1
95°	381.3	367.7	313.6	259.5	313.6	367.7	381.3	500.7	659.8	739.5	624.6
97.5°	880.2	854.5	751.4	648.5	751.4	854.5	880.2	955.6	1056.3	1106.6	914.9
100°	1236.0	1205.3	1082.7	960.0	1082.7	1205.3	1236.0	1230.5	1223.1	1219.5	1006.8
102.5°	1539.8	1513.5	1408.5	1303.4	1408.5	1513.5	1539.8	1443.7	1315.5	1251.4	1035.7
105°	1894.5	1880.4	1824.0	1767.5	1824.0	1880.4	1894.5	1678.9	1391.6	1247.9	1039.0
107.5°	2079.0	2082.5	2096.0	2109.7	2096.0	2082.5	2079.0	1778.4	1377.4	1176.9	992.8
110°	2126.2	2141.0	2199.8	2258.6	2199.8	2141.0	2126.2	1790.1	1341.9	1117.9	951.8



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2096.1	2118.7	2209.1	2299.5	2209.1	2118.7	2096.1	1752.1	1293.4	1064.0	915.9
115°	1993.8	2025.2	2150.5	2275.9	2150.5	2025.2	1993.8	1662.4	1220.5	999.6	874.9
117.5°	1852.5	1887.2	2026.2	2165.2	2026.2	1887.2	1852.5	1553.4	1154.7	955.2	849.2
120°	1757.4	1791.2	1926.2	2061.2	1926.2	1791.2	1757.4	1484.1	1119.8	937.5	840.6
122.5°	1662.2	1695.5	1828.7	1961.9	1828.7	1695.5	1662.2	1416.1	1087.9	923.9	836.0
125°	1536.3	1567.0	1689.6	1812.4	1689.6	1567.0	1536.3	1327.2	1048.5	909.2	832.3
127.5°	1435.2	1461.2	1564.6	1668.1	1564.6	1461.2	1435.2	1255.7	1016.4	896.7	830.1
130°	1371.4	1395.3	1491.0	1586.6	1491.0	1395.3	1371.4	1211.6	998.5	892.0	831.4
132.5°	1317.0	1338.4	1424.1	1509.7	1424.1	1338.4	1317.0	1174.0	983.2	887.8	832.3
135°	1240.2	1258.7	1332.5	1406.3	1332.5	1258.7	1240.2	1120.4	960.7	880.8	831.5
137.5°	1183.4	1198.5	1259.0	1319.4	1259.0	1198.5	1183.4	1082.2	947.1	879.6	836.7
140°	1137.9	1152.1	1208.5	1265.0	1208.5	1152.1	1137.9	1050.5	933.7	875.4	837.5
142.5°	1106.0	1118.1	1166.8	1215.4	1166.8	1118.1	1106.0	1029.1	926.7	875.4	840.5
145°	1058.1	1067.3	1104.1	1140.9	1104.1	1067.3	1058.1	995.3	911.5	869.6	840.5
147.5°	1017.9	1025.6	1056.0	1086.5	1056.0	1025.6	1017.9	968.5	902.6	869.6	846.3
150°	994.8	1001.0	1025.7	1050.5	1025.7	1001.0	994.8	953.0	897.4	869.6	849.3
152.5°	976.6	981.2	999.9	1018.5	999.9	981.2	976.6	940.9	893.4	869.6	851.3
155°	954.7	957.7	970.1	982.5	970.1	957.7	954.7	926.3	888.5	869.6	855.6
157.5°	935.7	937.9	946.5	955.2	946.5	937.9	935.7	913.6	884.3	869.6	860.0
160°	926.3	927.5	932.6	937.5	932.6	927.5	926.3	907.3	882.2	869.6	861.9
162.5°	917.4	918.5	923.3	928.1	923.3	918.5	917.4	901.4	880.2	869.6	864.0
165°	903.8	905.0	910.1	915.1	910.1	905.0	903.8	892.4	877.2	869.6	867.1
167.5°	897.9	898.4	900.6	902.7	900.6	898.4	897.9	890.4	880.4	875.4	873.3
170°	897.9	897.9	897.9	897.9	897.9	897.9	897.9	890.4	880.4	875.4	875.3
172.5°	893.2	892.7	890.9	889.1	890.9	892.7	893.2	887.3	879.3	875.4	875.4
175°	886.7	886.7	886.7	886.7	886.7	886.7	886.7	883.0	877.9	875.4	876.6
177.5°	885.5	885.0	882.9	880.8	882.9	885.0	885.5	882.6	878.7	876.7	877.6
180°	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8



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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°	26.0	16.5	15.4	10.6	5.9
92.5°	160.3	114.1	104.0	63.8	23.6
95°	394.6	222.3	203.9	130.3	56.8
97.5°	531.6	244.2	227.9	163.0	98.1
100°	581.4	262.4	247.7	188.9	130.0
102.5°	604.3	280.8	267.0	212.1	157.3
105°	621.2	307.9	296.3	249.8	203.3
107.5°	624.5	348.2	337.4	294.0	250.7
110°	619.7	370.6	360.9	321.7	282.6



TEST NUMBER: P934309

CATALOG NUMBER: SQ4-FA-050U-075D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	619.9	397.8	388.4	351.1	313.9
115°	625.6	438.6	430.0	395.6	361.2
117.5°	637.2	478.2	470.4	439.1	407.8
120°	646.6	501.2	493.9	464.5	435.1
122.5°	660.3	528.5	521.0	491.4	461.7
125°	678.7	563.4	556.6	529.5	502.5
127.5°	696.9	597.0	590.2	562.9	535.6
130°	710.3	619.5	612.1	582.8	553.3
132.5°	721.2	637.8	630.5	601.0	571.6
135°	733.0	659.1	652.4	625.6	598.8
137.5°	750.7	686.3	679.7	653.1	626.6
140°	761.5	704.6	698.5	674.1	649.6
142.5°	770.6	718.2	712.6	689.9	667.4
145°	782.5	738.9	733.9	714.2	694.5
147.5°	799.8	764.9	760.1	740.9	721.8
150°	808.9	778.5	774.2	756.8	739.5
152.5°	814.8	787.4	784.1	770.9	757.8
155°	827.8	806.9	804.5	794.7	785.0
157.5°	840.8	826.4	824.0	814.6	805.1
160°	846.7	835.3	833.4	826.1	818.7
162.5°	853.0	844.7	843.4	837.8	832.3
165°	862.0	858.3	857.1	852.1	847.1
167.5°	869.1	865.9	865.4	863.0	860.7
170°	875.0	874.8	874.3	871.9	869.6
172.5°	875.4	875.4	875.3	874.7	874.3
175°	878.9	880.8	880.8	880.8	880.8
177.5°	879.4	880.8	880.8	880.8	880.8
180°	880.8	880.8	880.8	880.8	880.8



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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	13.29	14.23	14.18	15.13	16.29	16.14	17.08	17.03	17.99	19.14
	3H	13.77	14.61	14.67	15.53	16.71	17.50	18.34	18.40	19.26	20.43
	4H	13.97	14.76	14.88	15.68	16.87	17.95	18.75	18.87	19.67	20.86
	6H	14.09	14.82	15.02	15.75	16.95	18.25	18.98	19.17	19.91	21.11
	8H	14.09	14.79	15.03	15.74	16.94	18.33	19.02	19.26	19.97	21.17
	12H	14.07	14.73	15.01	15.67	16.90	18.37	19.03	19.31	19.97	21.20
4H	2H	14.34	15.13	15.26	16.05	17.24	16.56	17.35	17.48	18.27	19.46
	3H	15.37	16.03	16.30	16.99	18.19	18.08	18.74	19.01	19.69	20.90
	4H	15.65	16.25	16.59	17.20	18.43	18.61	19.22	19.55	20.17	21.39
	6H	15.78	16.30	16.73	17.27	18.50	18.99	19.51	19.94	20.48	21.71
	8H	15.79	16.27	16.74	17.24	18.48	19.10	19.59	20.06	20.55	21.79
	12H	15.76	16.20	16.73	17.18	18.43	19.17	19.60	20.14	20.59	21.83
8H	4H	16.11	16.60	17.07	17.56	18.81	18.74	19.23	19.70	20.20	21.44
	6H	16.38	16.78	17.36	17.79	19.03	19.19	19.59	20.17	20.60	21.84
	8H	16.42	16.78	17.41	17.77	19.03	19.35	19.70	20.34	20.70	21.95
	12H	16.41	16.72	17.40	17.71	19.02	19.45	19.76	20.45	20.75	22.06
12H	4H	16.12	16.56	17.10	17.54	18.79	18.71	19.15	19.69	20.13	21.38
	6H	16.44	16.80	17.43	17.79	19.05	19.19	19.54	20.18	20.54	21.80
	8H	16.51	16.82	17.51	17.81	19.12	19.36	19.67	20.35	20.66	21.96