

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: P934326

Luminaire Tested: SQ4-FA-050U-075D-92765-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934326
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-92765-1D-UNV-STD-W-12-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

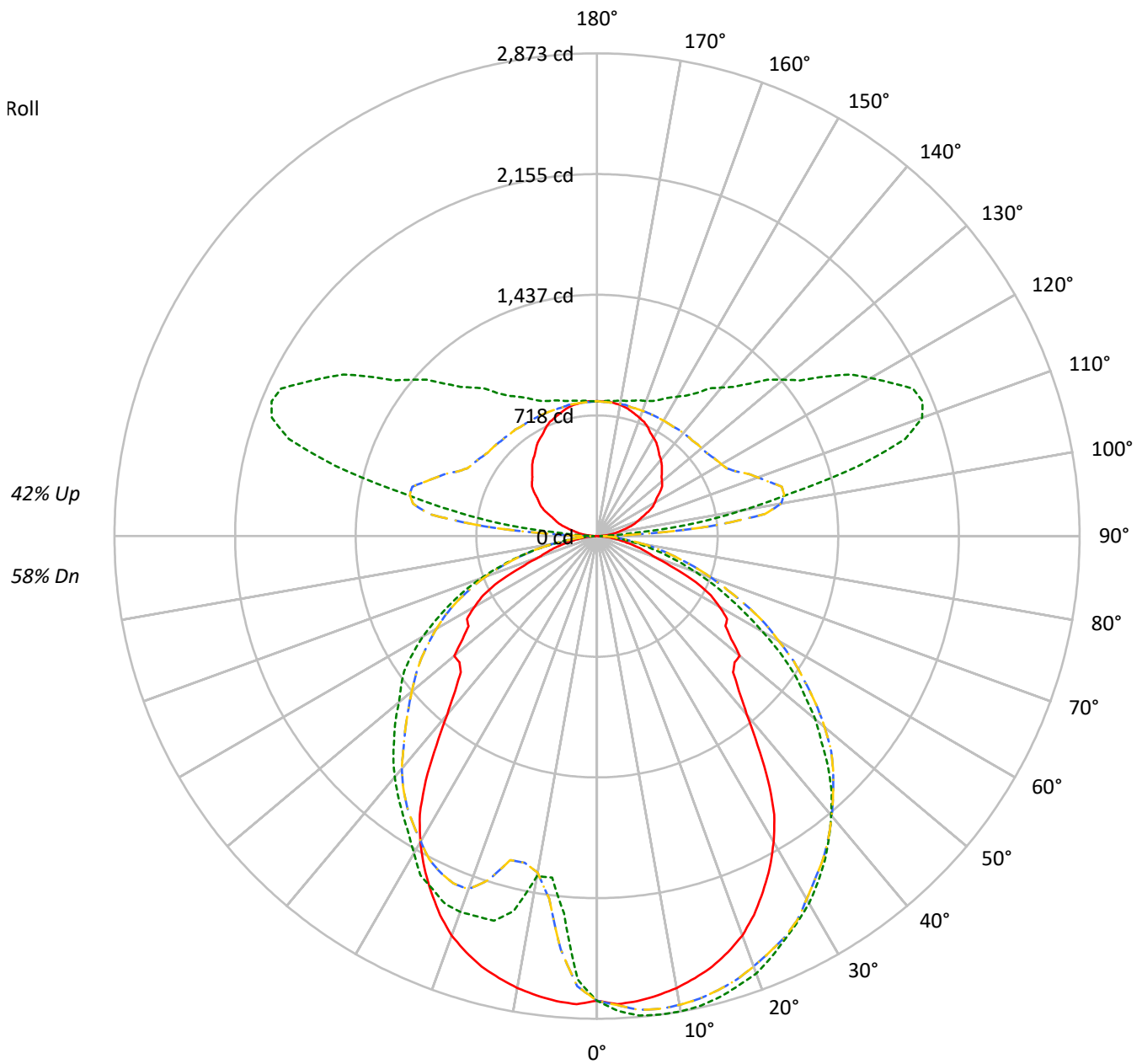
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12381.0 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 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



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



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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°	8553	8553	8553	8553
5°	8620	8634	8620	6789
10°	8566	8505	8566	6080
15°	8476	8321	8476	6948
20°	8302	8102	8302	6962
25°	7943	7784	7943	6815
30°	7476	7520	7476	6491
35°	6668	7185	6668	6135
40°	5559	6792	5559	5866
45°	4971	6331	4971	5557
50°	5285	5781	5285	5246
55°	4977	5189	4977	5066
60°	5137	4407	5137	4641
65°	4665	3643	4665	4073
70°	3239	2903	3239	3414
75°	2850	2146	2850	2570
80°	2313	1419	2313	1545
85°	1358	751	1358	638

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7614 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.6	2.0
10°-20°	708.7	5.7
20°-30°	1095.6	8.8
30°-40°	1307.8	10.6
40°-50°	1315.5	10.6
50°-60°	1144.6	9.2
60°-70°	811.6	6.6
70°-80°	429.4	3.5
80°-90°	110.0	0.9
90°-100°	391.6	3.2
100°-110°	1029.6	8.3
110°-120°	1067.6	8.6
120°-130°	856.3	6.9
130°-140°	671.9	5.4
140°-150°	515.7	4.2
150°-160°	371.4	3.0
160°-170°	227.2	1.8
170°-180°	76.8	0.6
0°-30°	2053.9	16.6
0°-40°	3361.8	27.2
0°-60°	5821.9	47.0
0°-90°	7172.9	57.9
90°-120°	2488.8	20.1
90°-150°	4532.7	36.6
90°-180°	5208.0	42.1
0°-180°	12381.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2765	2765	2765	2765	2765	
5°	2778	2865	2778	2252	2778	264
15°	2653	2839	2653	2370	2653	746
25°	2336	2648	2336	2318	2336	1073
35°	1776	2362	1776	2017	1776	1099
45°	1146	1946	1146	1708	1146	918
55°	934	1436	934	1402	934	858
65°	649	866	649	968	649	620
75°	246	411	246	492	246	259
85°	42	105	42	89	42	57
90°	5	20	5	20	5	6
95°	52	237	52	237	52	57
105°	186	1612	186	1612	186	197
115°	330	2076	330	2076	330	325
125°	458	1653	458	1653	458	407
135°	546	1283	546	1283	546	423
145°	634	1041	634	1041	634	397
155°	716	896	716	896	716	329
165°	773	835	773	835	773	218
175°	803	809	803	809	803	76
180°	803	803	803	803	803	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3
2.5°	2788.9	2788.9	2804.5	2809.8	2809.8	2801.9	2794.1	2801.9	2825.5	2833.3	2830.7
5°	2778.4	2799.3	2828.1	2833.3	2838.6	2835.9	2830.7	2835.9	2862.1	2867.3	2870.0
7.5°	2757.5	2796.7	2833.3	2841.2	2849.0	2841.2	2838.6	2843.8	2870.0	2875.2	2875.2
10°	2731.3	2786.2	2828.1	2833.3	2841.2	2833.3	2833.3	2843.8	2870.0	2875.2	2877.8
12.5°	2694.7	2770.5	2809.8	2815.0	2825.5	2822.9	2820.2	2830.7	2856.9	2862.1	2862.1
15°	2652.8	2741.8	2778.4	2783.6	2801.9	2796.7	2796.7	2807.2	2835.9	2843.8	2841.2
17.5°	2595.3	2705.1	2747.0	2754.8	2767.9	2765.3	2767.9	2778.4	2804.5	2809.8	2812.4
20°	2529.9	2655.4	2705.1	2713.0	2726.1	2726.1	2726.1	2739.1	2765.3	2775.8	2775.8
22.5°	2440.9	2603.1	2655.4	2660.7	2676.4	2676.4	2681.6	2699.9	2723.4	2726.1	2726.1
25°	2336.3	2545.6	2590.0	2605.7	2621.4	2629.3	2637.1	2647.6	2655.4	2652.8	2655.4
27.5°	2226.3	2472.3	2529.9	2540.3	2561.3	2569.1	2579.6	2582.2	2584.8	2592.6	2587.4
30°	2103.3	2370.3	2456.6	2467.1	2501.1	2506.3	2495.8	2501.1	2514.2	2519.4	2524.6
32.5°	1964.7	2218.5	2380.7	2404.3	2435.7	2420.0	2417.4	2425.2	2446.1	2446.1	2451.4
35°	1776.3	2100.7	2310.1	2331.0	2354.6	2336.3	2346.7	2349.3	2362.4	2370.3	2367.7
37.5°	1569.7	1998.7	2236.8	2252.5	2270.8	2247.2	2262.9	2270.8	2281.2	2276.0	2276.0
40°	1386.5	1839.1	2150.4	2160.9	2176.6	2158.3	2174.0	2179.2	2184.4	2179.2	2176.6
42.5°	1250.5	1663.8	2058.9	2072.0	2061.5	2074.6	2079.8	2090.3	2082.4	2072.0	2072.0
45°	1145.9	1616.8	1959.5	1975.2	1959.5	1980.4	1988.2	1988.2	1964.7	1959.5	1956.8
47.5°	1111.8	1522.6	1860.0	1860.0	1852.2	1878.4	1891.4	1873.1	1849.6	1841.7	1841.7
50°	1109.2	1417.9	1724.0	1713.5	1750.2	1781.6	1768.5	1750.2	1731.9	1703.1	1703.1
52.5°	1007.2	1289.7	1548.7	1588.0	1645.5	1663.8	1642.9	1624.6	1593.2	1580.1	1569.7
55°	933.9	1156.3	1389.2	1467.6	1527.8	1551.3	1512.1	1493.8	1446.7	1438.9	1433.6
57.5°	918.3	962.7	1242.6	1342.1	1415.3	1412.7	1389.2	1355.1	1315.9	1308.1	1305.4
60°	842.4	695.9	1085.7	1203.4	1279.3	1271.4	1250.5	1219.1	1182.5	1177.2	1172.0
62.5°	763.9	504.9	907.8	1041.2	1148.5	1145.9	1127.5	1080.5	1054.3	1041.2	1030.7
65°	648.8	423.8	646.2	865.9	1020.3	1025.5	986.3	952.3	923.5	907.8	905.2
67.5°	494.4	345.3	436.9	722.0	897.3	892.1	842.4	826.7	790.1	782.2	766.5
70°	366.3	230.2	303.5	586.0	777.0	763.9	724.7	706.3	672.3	654.0	643.6
72.5°	303.5	185.7	222.4	455.2	654.0	638.3	604.3	583.4	554.6	538.9	528.5
75°	245.9	196.2	170.0	337.5	531.1	520.6	489.2	468.3	444.7	423.8	426.4
77.5°	180.5	183.1	136.0	248.5	421.2	405.5	387.2	361.0	350.6	329.6	329.6
80°	136.0	143.9	102.0	170.0	303.5	303.5	287.8	269.5	251.1	240.7	240.7
82.5°	91.6	91.6	75.9	107.3	206.7	198.8	188.4	183.1	172.7	167.4	167.4
85°	41.9	52.3	47.1	65.4	112.5	117.7	117.7	112.5	109.9	104.6	107.3
87.5°	13.1	23.5	28.8	36.6	57.6	60.2	62.8	62.8	62.8	65.4	65.4
90°	5.4	9.7	14.0	15.1	23.7	35.2	41.0	36.5	27.3	20.5	20.5
92.5°	21.5	58.2	94.9	104.0	146.2	202.6	230.7	202.2	145.2	102.5	98.4
95°	51.8	118.9	186.0	202.7	360.0	569.7	674.5	601.9	456.7	347.8	335.4
97.5°	89.5	148.7	207.9	222.7	484.9	834.5	1009.4	963.5	871.7	802.9	779.4
100°	118.6	172.3	225.9	239.4	530.4	918.3	1112.4	1115.7	1122.4	1127.5	1099.5
102.5°	143.4	193.5	243.6	256.1	551.2	944.8	1141.5	1199.9	1316.9	1404.6	1380.6
105°	185.5	227.9	270.2	280.9	566.6	947.7	1138.3	1269.3	1531.5	1728.1	1715.2
107.5°	228.6	268.2	307.7	317.6	569.6	905.6	1073.6	1256.4	1622.2	1896.4	1899.6
110°	257.8	293.4	329.2	338.1	565.3	868.2	1019.7	1224.1	1632.9	1939.5	1952.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	286.3	320.3	354.3	362.9	565.4	835.5	970.6	1179.8	1598.2	1912.0	1932.6
115°	329.5	360.8	392.2	400.1	570.7	798.1	911.8	1113.3	1516.4	1818.7	1847.3
117.5°	372.0	400.5	429.0	436.2	581.2	774.6	871.3	1053.2	1417.0	1689.8	1721.5
120°	396.9	423.7	450.5	457.2	589.8	766.8	855.2	1021.4	1353.7	1603.1	1633.8
122.5°	421.1	448.2	475.3	482.1	602.3	762.6	842.7	992.4	1291.7	1516.2	1546.6
125°	458.3	483.0	507.7	513.9	619.1	759.2	829.3	956.4	1210.6	1401.4	1429.4
127.5°	488.5	513.5	538.4	544.6	635.7	757.2	818.0	927.1	1145.4	1309.2	1332.8
130°	504.7	531.6	558.4	565.1	647.9	758.4	813.7	910.8	1105.2	1250.9	1272.7
132.5°	521.4	548.2	575.1	581.8	657.9	759.2	809.9	896.9	1070.9	1201.3	1220.8
135°	546.2	570.7	595.1	601.2	668.6	758.5	803.4	876.3	1022.0	1131.3	1148.1
137.5°	571.5	595.8	620.0	626.0	684.8	763.2	802.4	863.9	987.1	1079.5	1093.3
140°	592.5	614.9	637.1	642.7	694.7	763.9	798.5	851.7	958.2	1038.0	1050.9
142.5°	608.8	629.3	650.0	655.2	702.9	766.7	798.5	845.3	938.7	1008.9	1019.9
145°	633.5	651.5	669.5	674.0	713.8	766.7	793.2	831.4	907.9	965.2	973.5
147.5°	658.4	675.8	693.4	697.7	729.5	772.0	793.2	823.3	883.5	928.5	935.5
150°	674.5	690.3	706.2	710.1	737.8	774.7	793.2	818.6	869.3	907.4	913.1
152.5°	691.3	703.2	715.2	718.2	743.2	776.5	793.2	814.9	858.3	890.8	895.1
155°	716.0	724.9	733.8	736.0	755.1	780.5	793.2	810.5	844.9	870.8	873.6
157.5°	734.4	743.1	751.6	753.8	767.0	784.5	793.2	806.6	833.4	853.5	855.6
160°	746.8	753.5	760.2	761.9	772.4	786.2	793.2	804.7	827.6	844.9	846.0
162.5°	759.2	764.3	769.3	770.5	778.1	788.1	793.2	802.9	822.2	836.8	837.9
165°	772.7	777.2	781.8	782.9	786.3	790.9	793.2	800.2	814.0	824.4	825.6
167.5°	785.1	787.2	789.4	789.9	792.8	796.6	798.5	803.1	812.2	819.0	819.5
170°	793.2	795.3	797.5	798.0	798.2	798.4	798.5	803.1	812.2	819.0	819.0
172.5°	797.5	797.9	798.4	798.5	798.5	798.5	798.5	802.1	809.3	814.7	814.3
175°	803.4	803.4	803.4	803.4	801.7	799.6	798.5	800.8	805.4	808.8	808.8
177.5°	803.4	803.4	803.4	803.4	802.2	800.5	799.7	801.5	805.1	807.8	807.2
180°	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3
2.5°	2835.9	2828.1	2835.9	2830.7	2833.3	2825.5	2801.9	2794.1	2801.9	2809.8	2809.8
5°	2870.0	2864.7	2870.0	2870.0	2867.3	2862.1	2835.9	2830.7	2835.9	2838.6	2833.3
7.5°	2880.4	2872.6	2880.4	2875.2	2875.2	2870.0	2843.8	2838.6	2841.2	2849.0	2841.2
10°	2880.4	2872.6	2880.4	2877.8	2875.2	2870.0	2843.8	2833.3	2833.3	2841.2	2833.3
12.5°	2867.3	2862.1	2867.3	2862.1	2862.1	2856.9	2830.7	2820.2	2822.9	2825.5	2815.0
15°	2846.4	2838.6	2846.4	2841.2	2843.8	2835.9	2807.2	2796.7	2796.7	2801.9	2783.6
17.5°	2815.0	2804.5	2815.0	2812.4	2809.8	2804.5	2778.4	2767.9	2765.3	2767.9	2754.8
20°	2778.4	2770.5	2778.4	2775.8	2775.8	2765.3	2739.1	2726.1	2726.1	2726.1	2713.0
22.5°	2720.8	2713.0	2720.8	2726.1	2726.1	2723.4	2699.9	2681.6	2676.4	2676.4	2660.7
25°	2655.4	2647.6	2655.4	2655.4	2652.8	2655.4	2647.6	2637.1	2629.3	2621.4	2605.7
27.5°	2592.6	2587.4	2592.6	2587.4	2592.6	2584.8	2582.2	2579.6	2569.1	2561.3	2540.3
30°	2529.9	2524.6	2529.9	2524.6	2519.4	2514.2	2501.1	2495.8	2506.3	2501.1	2467.1
32.5°	2451.4	2446.1	2451.4	2451.4	2446.1	2446.1	2425.2	2417.4	2420.0	2435.7	2404.3
35°	2370.3	2362.4	2370.3	2367.7	2370.3	2362.4	2349.3	2346.7	2336.3	2354.6	2331.0
37.5°	2276.0	2268.2	2276.0	2276.0	2276.0	2281.2	2270.8	2262.9	2247.2	2270.8	2252.5
40°	2179.2	2168.7	2179.2	2176.6	2179.2	2184.4	2179.2	2174.0	2158.3	2176.6	2160.9
42.5°	2069.3	2066.7	2069.3	2072.0	2072.0	2082.4	2090.3	2079.8	2074.6	2061.5	2072.0
45°	1951.6	1946.4	1951.6	1956.8	1959.5	1964.7	1988.2	1988.2	1980.4	1959.5	1975.2
47.5°	1826.0	1813.0	1826.0	1841.7	1841.7	1849.6	1873.1	1891.4	1878.4	1852.2	1860.0
50°	1692.6	1695.2	1692.6	1703.1	1703.1	1731.9	1750.2	1768.5	1781.6	1750.2	1713.5
52.5°	1561.8	1559.2	1561.8	1569.7	1580.1	1593.2	1624.6	1642.9	1663.8	1645.5	1588.0
55°	1431.0	1436.2	1431.0	1433.6	1438.9	1446.7	1493.8	1512.1	1551.3	1527.8	1467.6
57.5°	1300.2	1292.4	1300.2	1305.4	1308.1	1315.9	1355.1	1389.2	1412.7	1415.3	1342.1
60°	1148.5	1138.0	1148.5	1172.0	1177.2	1182.5	1219.1	1250.5	1271.4	1279.3	1203.4
62.5°	1015.0	996.7	1015.0	1030.7	1041.2	1054.3	1080.5	1127.5	1145.9	1148.5	1041.2
65°	873.8	865.9	873.8	905.2	907.8	923.5	952.3	986.3	1025.5	1020.3	865.9
67.5°	745.6	745.6	745.6	766.5	782.2	790.1	826.7	842.4	892.1	897.3	722.0
70°	627.9	625.2	627.9	643.6	654.0	672.3	706.3	724.7	763.9	777.0	586.0
72.5°	515.4	512.8	515.4	528.5	538.9	554.6	583.4	604.3	638.3	654.0	455.2
75°	416.0	410.7	416.0	426.4	423.8	444.7	468.3	489.2	520.6	531.1	337.5
77.5°	319.2	319.2	319.2	329.6	329.6	350.6	361.0	387.2	405.5	421.2	248.5
80°	238.1	235.4	238.1	240.7	240.7	251.1	269.5	287.8	303.5	303.5	170.0
82.5°	167.4	162.2	167.4	167.4	167.4	172.7	183.1	188.4	198.8	206.7	107.3
85°	104.6	104.6	104.6	107.3	104.6	109.9	112.5	117.7	117.7	112.5	65.4
87.5°	68.0	65.4	68.0	65.4	65.4	62.8	62.8	62.8	60.2	57.6	36.6
90°	20.5	20.5	20.5	20.5	20.5	27.3	36.5	41.0	35.2	23.7	15.1
92.5°	82.1	65.8	82.1	98.4	102.5	145.2	202.2	230.7	202.6	146.2	104.0
95°	286.0	236.7	286.0	335.4	347.8	456.7	601.9	674.5	569.7	360.0	202.7
97.5°	685.4	591.5	685.4	779.4	802.9	871.7	963.5	1009.4	834.5	484.9	222.7
100°	987.6	875.7	987.6	1099.5	1127.5	1122.4	1115.7	1112.4	918.3	530.4	239.4
102.5°	1284.8	1188.9	1284.8	1380.6	1404.6	1316.9	1199.9	1141.5	944.8	551.2	256.1
105°	1663.8	1612.2	1663.8	1715.2	1728.1	1531.5	1269.3	1138.3	947.7	566.6	280.9
107.5°	1911.9	1924.4	1911.9	1899.6	1896.4	1622.2	1256.4	1073.6	905.6	569.6	317.6
110°	2006.6	2060.3	2006.6	1952.9	1939.5	1632.9	1224.1	1019.7	868.2	565.3	338.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2015.1	2097.5	2015.1	1932.6	1912.0	1598.2	1179.8	970.6	835.5	565.4	362.9
115°	1961.6	2076.0	1961.6	1847.3	1818.7	1516.4	1113.3	911.8	798.1	570.7	400.1
117.5°	1848.3	1975.1	1848.3	1721.5	1689.8	1417.0	1053.2	871.3	774.6	581.2	436.2
120°	1757.1	1880.2	1757.1	1633.8	1603.1	1353.7	1021.4	855.2	766.8	589.8	457.2
122.5°	1668.1	1789.6	1668.1	1546.6	1516.2	1291.7	992.4	842.7	762.6	602.3	482.1
125°	1541.2	1653.2	1541.2	1429.4	1401.4	1210.6	956.4	829.3	759.2	619.1	513.9
127.5°	1427.2	1521.6	1427.2	1332.8	1309.2	1145.4	927.1	818.0	757.2	635.7	544.6
130°	1360.0	1447.2	1360.0	1272.7	1250.9	1105.2	910.8	813.7	758.4	647.9	565.1
132.5°	1299.0	1377.1	1299.0	1220.8	1201.3	1070.9	896.9	809.9	759.2	657.9	581.8
135°	1215.4	1282.8	1215.4	1148.1	1131.3	1022.0	876.3	803.4	758.5	668.6	601.2
137.5°	1148.4	1203.5	1148.4	1093.3	1079.5	987.1	863.9	802.4	763.2	684.8	626.0
140°	1102.3	1153.9	1102.3	1050.9	1038.0	958.2	851.7	798.5	763.9	694.7	642.7
142.5°	1064.3	1108.6	1064.3	1019.9	1008.9	938.7	845.3	798.5	766.7	702.9	655.2
145°	1007.1	1040.7	1007.1	973.5	965.2	907.9	831.4	793.2	766.7	713.8	674.0
147.5°	963.2	991.1	963.2	935.5	928.5	883.5	823.3	793.2	772.0	729.5	697.7
150°	935.6	958.2	935.6	913.1	907.4	869.3	818.6	793.2	774.7	737.8	710.1
152.5°	912.1	929.1	912.1	895.1	890.8	858.3	814.9	793.2	776.5	743.2	718.2
155°	884.9	896.2	884.9	873.6	870.8	844.9	810.5	793.2	780.5	755.1	736.0
157.5°	863.4	871.3	863.4	855.6	853.5	833.4	806.6	793.2	784.5	767.0	753.8
160°	850.7	855.2	850.7	846.0	844.9	827.6	804.7	793.2	786.2	772.4	761.9
162.5°	842.2	846.6	842.2	837.9	836.8	822.2	802.9	793.2	788.1	778.1	770.5
165°	830.2	834.7	830.2	825.6	824.4	814.0	800.2	793.2	790.9	786.3	782.9
167.5°	821.5	823.4	821.5	819.5	819.0	812.2	803.1	798.5	796.6	792.8	789.9
170°	819.0	819.0	819.0	819.0	819.0	812.2	803.1	798.5	798.4	798.2	798.0
172.5°	812.6	811.0	812.6	814.3	814.7	809.3	802.1	798.5	798.5	798.5	798.5
175°	808.8	808.8	808.8	808.8	808.8	805.4	800.8	798.5	799.6	801.7	803.4
177.5°	805.3	803.4	805.3	807.2	807.8	805.1	801.5	799.7	800.5	802.2	803.4
180°	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4



TEST NUMBER: P934326

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3
2.5°	2804.5	2788.9	2788.9	2762.7	2752.2	2744.4	2731.3	2692.1	2681.6	2671.1	2686.8
5°	2828.1	2799.3	2778.4	2731.3	2692.1	2676.4	2626.7	2532.5	2469.7	2422.6	2396.4
7.5°	2833.3	2796.7	2757.5	2684.2	2590.0	2548.2	2396.4	2223.7	2176.6	2134.7	2108.6
10°	2828.1	2786.2	2731.3	2621.4	2399.1	2325.8	2174.0	2061.5	2032.7	2024.9	2032.7
12.5°	2809.8	2770.5	2694.7	2511.5	2200.1	2150.4	2061.5	1996.1	1990.9	2003.9	2074.6
15°	2778.4	2741.8	2652.8	2365.0	2090.3	2053.6	1990.9	1967.3	1996.1	2087.6	2299.6
17.5°	2747.0	2705.1	2595.3	2221.1	2006.6	1980.4	1935.9	1983.0	2145.2	2268.2	2338.9
20°	2705.1	2655.4	2529.9	2116.4	1946.4	1922.8	1901.9	2113.8	2236.8	2281.2	2320.6
22.5°	2655.4	2603.1	2440.9	2043.2	1883.6	1865.3	1878.4	2187.1	2236.8	2268.2	2302.2
25°	2590.0	2545.6	2336.3	1985.6	1833.9	1813.0	1862.7	2179.2	2208.0	2215.8	2283.9
27.5°	2529.9	2472.3	2226.3	1933.3	1773.7	1765.9	1875.7	2145.2	2166.1	2174.0	2247.2
30°	2456.6	2370.3	2103.3	1878.4	1710.9	1708.3	1878.4	2103.3	2098.1	2119.0	2192.3
32.5°	2380.7	2218.5	1964.7	1810.3	1650.8	1648.1	1860.0	2040.6	2035.3	2064.1	2119.0
35°	2310.1	2100.7	1776.3	1731.9	1574.9	1577.5	1815.6	1967.3	1969.9	1996.1	2030.1
37.5°	2236.8	1998.7	1569.7	1645.5	1501.6	1501.6	1755.4	1899.3	1894.1	1901.9	1949.0
40°	2150.4	1839.1	1386.5	1533.0	1433.6	1425.8	1682.2	1826.0	1807.7	1805.1	1870.5
42.5°	2058.9	1663.8	1250.5	1383.9	1355.1	1344.7	1593.2	1737.1	1703.1	1710.9	1794.6
45°	1959.5	1616.8	1145.9	1169.4	1274.0	1266.2	1496.4	1635.1	1611.5	1632.4	1718.8
47.5°	1860.0	1522.6	1111.8	970.6	1187.7	1185.1	1389.2	1535.7	1522.6	1543.5	1635.1
50°	1724.0	1417.9	1109.2	831.9	1090.9	1101.4	1261.0	1438.9	1438.9	1457.2	1554.0
52.5°	1548.7	1289.7	1007.2	753.4	978.4	1009.8	1148.5	1355.1	1360.4	1378.7	1465.0
55°	1389.2	1156.3	933.9	693.3	845.0	913.0	1038.6	1268.8	1279.3	1297.6	1376.1
57.5°	1242.6	962.7	918.3	622.6	722.0	787.4	941.8	1185.1	1190.3	1206.0	1281.9
60°	1085.7	695.9	842.4	546.8	614.8	664.5	852.8	1085.7	1104.0	1114.5	1179.9
62.5°	907.8	504.9	763.9	494.4	562.5	572.9	779.6	991.5	1015.0	1022.9	1062.1
65°	646.2	423.8	648.8	450.0	507.5	510.1	701.1	894.7	915.6	928.7	957.5
67.5°	436.9	345.3	494.4	408.1	465.7	468.3	625.2	782.2	811.0	821.5	839.8
70°	303.5	230.2	366.3	363.6	418.6	423.8	544.1	680.2	706.3	714.2	724.7
72.5°	222.4	185.7	303.5	327.0	368.9	374.1	460.4	565.1	591.2	599.1	604.3
75°	170.0	196.2	245.9	285.2	313.9	316.5	376.7	460.4	478.7	484.0	486.6
77.5°	136.0	183.1	180.5	230.2	256.4	251.1	295.6	355.8	371.5	371.5	371.5
80°	102.0	143.9	136.0	164.8	188.4	183.1	211.9	253.8	259.0	264.2	261.6
82.5°	75.9	91.6	91.6	104.6	125.6	120.3	141.3	164.8	164.8	164.8	170.0
85°	47.1	52.3	41.9	54.9	70.6	68.0	78.5	88.9	91.6	91.6	86.3
87.5°	28.8	23.5	13.1	20.9	31.4	31.4	36.6	39.2	36.6	36.6	36.6
90°	14.0	9.7	5.4	9.7	14.0	15.1	23.7	35.2	41.0	36.5	27.3
92.5°	94.9	58.2	21.5	58.2	94.9	104.0	146.2	202.6	230.7	202.2	145.2
95°	186.0	118.9	51.8	118.9	186.0	202.7	360.0	569.7	674.5	601.9	456.7
97.5°	207.9	148.7	89.5	148.7	207.9	222.7	484.9	834.5	1009.4	963.5	871.7
100°	225.9	172.3	118.6	172.3	225.9	239.4	530.4	918.3	1112.4	1115.7	1122.4
102.5°	243.6	193.5	143.4	193.5	243.6	256.1	551.2	944.8	1141.5	1199.9	1316.9
105°	270.2	227.9	185.5	227.9	270.2	280.9	566.6	947.7	1138.3	1269.3	1531.5
107.5°	307.7	268.2	228.6	268.2	307.7	317.6	569.6	905.6	1073.6	1256.4	1622.2
110°	329.2	293.4	257.8	293.4	329.2	338.1	565.3	868.2	1019.7	1224.1	1632.9



TEST NUMBER: P934326

CATALOG NUMBER: SQ4-FA-050U-075D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	354.3	320.3	286.3	320.3	354.3	362.9	565.4	835.5	970.6	1179.8	1598.2
115°	392.2	360.8	329.5	360.8	392.2	400.1	570.7	798.1	911.8	1113.3	1516.4
117.5°	429.0	400.5	372.0	400.5	429.0	436.2	581.2	774.6	871.3	1053.2	1417.0
120°	450.5	423.7	396.9	423.7	450.5	457.2	589.8	766.8	855.2	1021.4	1353.7
122.5°	475.3	448.2	421.1	448.2	475.3	482.1	602.3	762.6	842.7	992.4	1291.7
125°	507.7	483.0	458.3	483.0	507.7	513.9	619.1	759.2	829.3	956.4	1210.6
127.5°	538.4	513.5	488.5	513.5	538.4	544.6	635.7	757.2	818.0	927.1	1145.4
130°	558.4	531.6	504.7	531.6	558.4	565.1	647.9	758.4	813.7	910.8	1105.2
132.5°	575.1	548.2	521.4	548.2	575.1	581.8	657.9	759.2	809.9	896.9	1070.9
135°	595.1	570.7	546.2	570.7	595.1	601.2	668.6	758.5	803.4	876.3	1022.0
137.5°	620.0	595.8	571.5	595.8	620.0	626.0	684.8	763.2	802.4	863.9	987.1
140°	637.1	614.9	592.5	614.9	637.1	642.7	694.7	763.9	798.5	851.7	958.2
142.5°	650.0	629.3	608.8	629.3	650.0	655.2	702.9	766.7	798.5	845.3	938.7
145°	669.5	651.5	633.5	651.5	669.5	674.0	713.8	766.7	793.2	831.4	907.9
147.5°	693.4	675.8	658.4	675.8	693.4	697.7	729.5	772.0	793.2	823.3	883.5
150°	706.2	690.3	674.5	690.3	706.2	710.1	737.8	774.7	793.2	818.6	869.3
152.5°	715.2	703.2	691.3	703.2	715.2	718.2	743.2	776.5	793.2	814.9	858.3
155°	733.8	724.9	716.0	724.9	733.8	736.0	755.1	780.5	793.2	810.5	844.9
157.5°	751.6	743.1	734.4	743.1	751.6	753.8	767.0	784.5	793.2	806.6	833.4
160°	760.2	753.5	746.8	753.5	760.2	761.9	772.4	786.2	793.2	804.7	827.6
162.5°	769.3	764.3	759.2	764.3	769.3	770.5	778.1	788.1	793.2	802.9	822.2
165°	781.8	777.2	772.7	777.2	781.8	782.9	786.3	790.9	793.2	800.2	814.0
167.5°	789.4	787.2	785.1	787.2	789.4	789.9	792.8	796.6	798.5	803.1	812.2
170°	797.5	795.3	793.2	795.3	797.5	798.0	798.2	798.4	798.5	803.1	812.2
172.5°	798.4	797.9	797.5	797.9	798.4	798.5	798.5	798.5	798.5	802.1	809.3
175°	803.4	803.4	803.4	803.4	803.4	803.4	801.7	799.6	798.5	800.8	805.4
177.5°	803.4	803.4	803.4	803.4	803.4	803.4	802.2	800.5	799.7	801.5	805.1
180°	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4



TEST NUMBER: P934326
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3
2.5°	2668.5	2660.7	2671.1	2642.4	2671.1	2660.7	2668.5	2686.8	2671.1	2681.6	2692.1
5°	2341.5	2328.4	2286.5	2252.5	2286.5	2328.4	2341.5	2396.4	2422.6	2469.7	2532.5
7.5°	2092.9	2082.4	2072.0	2051.0	2072.0	2082.4	2092.9	2108.6	2134.7	2176.6	2223.7
10°	2037.9	2040.6	2056.3	2053.6	2056.3	2040.6	2037.9	2032.7	2024.9	2032.7	2061.5
12.5°	2179.2	2202.8	2289.1	2283.9	2289.1	2202.8	2179.2	2074.6	2003.9	1990.9	1996.1
15°	2341.5	2349.3	2367.7	2370.3	2367.7	2349.3	2341.5	2299.6	2087.6	1996.1	1967.3
17.5°	2357.2	2359.8	2372.9	2372.9	2372.9	2359.8	2357.2	2338.9	2268.2	2145.2	1983.0
20°	2344.1	2349.3	2375.5	2380.7	2375.5	2349.3	2344.1	2320.6	2281.2	2236.8	2113.8
22.5°	2338.9	2349.3	2370.3	2367.7	2370.3	2349.3	2338.9	2302.2	2268.2	2236.8	2187.1
25°	2312.7	2312.7	2315.3	2318.0	2315.3	2312.7	2312.7	2283.9	2215.8	2208.0	2179.2
27.5°	2257.7	2262.9	2278.6	2276.0	2278.6	2262.9	2257.7	2247.2	2174.0	2166.1	2145.2
30°	2208.0	2202.8	2189.7	2179.2	2189.7	2202.8	2208.0	2192.3	2119.0	2098.1	2103.3
32.5°	2124.3	2111.2	2098.1	2090.3	2098.1	2111.2	2124.3	2119.0	2064.1	2035.3	2040.6
35°	2024.9	2027.5	2024.9	2017.0	2024.9	2027.5	2024.9	2030.1	1996.1	1969.9	1967.3
37.5°	1954.2	1959.5	1956.8	1946.4	1956.8	1959.5	1954.2	1949.0	1901.9	1894.1	1899.3
40°	1881.0	1883.6	1881.0	1873.1	1881.0	1883.6	1881.0	1870.5	1805.1	1807.7	1826.0
42.5°	1810.3	1807.7	1799.9	1794.6	1799.9	1807.7	1810.3	1794.6	1710.9	1703.1	1737.1
45°	1729.2	1731.9	1716.2	1708.3	1716.2	1731.9	1729.2	1718.8	1632.4	1611.5	1635.1
47.5°	1648.1	1648.1	1635.1	1627.2	1635.1	1648.1	1648.1	1635.1	1543.5	1522.6	1535.7
50°	1561.8	1559.2	1540.9	1538.3	1540.9	1559.2	1561.8	1554.0	1457.2	1438.9	1438.9
52.5°	1462.4	1462.4	1465.0	1470.2	1465.0	1462.4	1462.4	1465.0	1378.7	1360.4	1355.1
55°	1376.1	1378.7	1397.0	1402.2	1397.0	1378.7	1376.1	1376.1	1297.6	1279.3	1268.8
57.5°	1287.1	1287.1	1300.2	1300.2	1300.2	1287.1	1287.1	1281.9	1206.0	1190.3	1185.1
60°	1185.1	1190.3	1200.8	1198.2	1200.8	1190.3	1185.1	1179.9	1114.5	1104.0	1085.7
62.5°	1077.8	1083.1	1085.7	1080.5	1085.7	1083.1	1077.8	1062.1	1022.9	1015.0	991.5
65°	965.3	970.6	973.2	968.0	973.2	970.6	965.3	957.5	928.7	915.6	894.7
67.5°	850.2	847.6	845.0	855.5	845.0	847.6	850.2	839.8	821.5	811.0	782.2
70°	732.5	732.5	729.9	735.1	729.9	732.5	732.5	724.7	714.2	706.3	680.2
72.5°	606.9	604.3	614.8	606.9	614.8	604.3	606.9	604.3	599.1	591.2	565.1
75°	484.0	489.2	484.0	491.8	484.0	489.2	484.0	486.6	484.0	478.7	460.4
77.5°	368.9	374.1	368.9	368.9	368.9	374.1	368.9	371.5	371.5	371.5	355.8
80°	261.6	259.0	259.0	256.4	259.0	259.0	261.6	261.6	264.2	259.0	253.8
82.5°	167.4	164.8	164.8	170.0	164.8	164.8	167.4	170.0	164.8	164.8	164.8
85°	91.6	94.2	88.9	88.9	88.9	94.2	91.6	86.3	91.6	91.6	88.9
87.5°	34.0	31.4	31.4	31.4	31.4	31.4	34.0	36.6	36.6	36.6	39.2
90°	20.5	20.5	20.5	20.5	20.5	20.5	20.5	27.3	36.5	41.0	35.2
92.5°	102.5	98.4	82.1	65.8	82.1	98.4	102.5	145.2	202.2	230.7	202.6
95°	347.8	335.4	286.0	236.7	286.0	335.4	347.8	456.7	601.9	674.5	569.7
97.5°	802.9	779.4	685.4	591.5	685.4	779.4	802.9	871.7	963.5	1009.4	834.5
100°	1127.5	1099.5	987.6	875.7	987.6	1099.5	1127.5	1122.4	1115.7	1112.4	918.3
102.5°	1404.6	1380.6	1284.8	1188.9	1284.8	1380.6	1404.6	1316.9	1199.9	1141.5	944.8
105°	1728.1	1715.2	1663.8	1612.2	1663.8	1715.2	1728.1	1531.5	1269.3	1138.3	947.7
107.5°	1896.4	1899.6	1911.9	1924.4	1911.9	1899.6	1896.4	1622.2	1256.4	1073.6	905.6
110°	1939.5	1952.9	2006.6	2060.3	2006.6	1952.9	1939.5	1632.9	1224.1	1019.7	868.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1912.0	1932.6	2015.1	2097.5	2015.1	1932.6	1912.0	1598.2	1179.8	970.6	835.5
115°	1818.7	1847.3	1961.6	2076.0	1961.6	1847.3	1818.7	1516.4	1113.3	911.8	798.1
117.5°	1689.8	1721.5	1848.3	1975.1	1848.3	1721.5	1689.8	1417.0	1053.2	871.3	774.6
120°	1603.1	1633.8	1757.1	1880.2	1757.1	1633.8	1603.1	1353.7	1021.4	855.2	766.8
122.5°	1516.2	1546.6	1668.1	1789.6	1668.1	1546.6	1516.2	1291.7	992.4	842.7	762.6
125°	1401.4	1429.4	1541.2	1653.2	1541.2	1429.4	1401.4	1210.6	956.4	829.3	759.2
127.5°	1309.2	1332.8	1427.2	1521.6	1427.2	1332.8	1309.2	1145.4	927.1	818.0	757.2
130°	1250.9	1272.7	1360.0	1447.2	1360.0	1272.7	1250.9	1105.2	910.8	813.7	758.4
132.5°	1201.3	1220.8	1299.0	1377.1	1299.0	1220.8	1201.3	1070.9	896.9	809.9	759.2
135°	1131.3	1148.1	1215.4	1282.8	1215.4	1148.1	1131.3	1022.0	876.3	803.4	758.5
137.5°	1079.5	1093.3	1148.4	1203.5	1148.4	1093.3	1079.5	987.1	863.9	802.4	763.2
140°	1038.0	1050.9	1102.3	1153.9	1102.3	1050.9	1038.0	958.2	851.7	798.5	763.9
142.5°	1008.9	1019.9	1064.3	1108.6	1064.3	1019.9	1008.9	938.7	845.3	798.5	766.7
145°	965.2	973.5	1007.1	1040.7	1007.1	973.5	965.2	907.9	831.4	793.2	766.7
147.5°	928.5	935.5	963.2	991.1	963.2	935.5	928.5	883.5	823.3	793.2	772.0
150°	907.4	913.1	935.6	958.2	935.6	913.1	907.4	869.3	818.6	793.2	774.7
152.5°	890.8	895.1	912.1	929.1	912.1	895.1	890.8	858.3	814.9	793.2	776.5
155°	870.8	873.6	884.9	896.2	884.9	873.6	870.8	844.9	810.5	793.2	780.5
157.5°	853.5	855.6	863.4	871.3	863.4	855.6	853.5	833.4	806.6	793.2	784.5
160°	844.9	846.0	850.7	855.2	850.7	846.0	844.9	827.6	804.7	793.2	786.2
162.5°	836.8	837.9	842.2	846.6	842.2	837.9	836.8	822.2	802.9	793.2	788.1
165°	824.4	825.6	830.2	834.7	830.2	825.6	824.4	814.0	800.2	793.2	790.9
167.5°	819.0	819.5	821.5	823.4	821.5	819.5	819.0	812.2	803.1	798.5	796.6
170°	819.0	819.0	819.0	819.0	819.0	819.0	819.0	812.2	803.1	798.5	798.4
172.5°	814.7	814.3	812.6	811.0	812.6	814.3	814.7	809.3	802.1	798.5	798.5
175°	808.8	808.8	808.8	808.8	808.8	808.8	808.8	805.4	800.8	798.5	799.6
177.5°	807.8	807.2	805.3	803.4	805.3	807.2	807.8	805.1	801.5	799.7	800.5
180°	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2765.3	2765.3	2765.3	2765.3	2765.3
2.5°	2731.3	2744.4	2752.2	2762.7	2788.9
5°	2626.7	2676.4	2692.1	2731.3	2778.4
7.5°	2396.4	2548.2	2590.0	2684.2	2757.5
10°	2174.0	2325.8	2399.1	2621.4	2731.3
12.5°	2061.5	2150.4	2200.1	2511.5	2694.7
15°	1990.9	2053.6	2090.3	2365.0	2652.8
17.5°	1935.9	1980.4	2006.6	2221.1	2595.3
20°	1901.9	1922.8	1946.4	2116.4	2529.9
22.5°	1878.4	1865.3	1883.6	2043.2	2440.9
25°	1862.7	1813.0	1833.9	1985.6	2336.3
27.5°	1875.7	1765.9	1773.7	1933.3	2226.3
30°	1878.4	1708.3	1710.9	1878.4	2103.3
32.5°	1860.0	1648.1	1650.8	1810.3	1964.7
35°	1815.6	1577.5	1574.9	1731.9	1776.3
37.5°	1755.4	1501.6	1501.6	1645.5	1569.7
40°	1682.2	1425.8	1433.6	1533.0	1386.5
42.5°	1593.2	1344.7	1355.1	1383.9	1250.5
45°	1496.4	1266.2	1274.0	1169.4	1145.9
47.5°	1389.2	1185.1	1187.7	970.6	1111.8
50°	1261.0	1101.4	1090.9	831.9	1109.2
52.5°	1148.5	1009.8	978.4	753.4	1007.2
55°	1038.6	913.0	845.0	693.3	933.9
57.5°	941.8	787.4	722.0	622.6	918.3
60°	852.8	664.5	614.8	546.8	842.4
62.5°	779.6	572.9	562.5	494.4	763.9
65°	701.1	510.1	507.5	450.0	648.8
67.5°	625.2	468.3	465.7	408.1	494.4
70°	544.1	423.8	418.6	363.6	366.3
72.5°	460.4	374.1	368.9	327.0	303.5
75°	376.7	316.5	313.9	285.2	245.9
77.5°	295.6	251.1	256.4	230.2	180.5
80°	211.9	183.1	188.4	164.8	136.0
82.5°	141.3	120.3	125.6	104.6	91.6
85°	78.5	68.0	70.6	54.9	41.9
87.5°	36.6	31.4	31.4	20.9	13.1
90°	23.7	15.1	14.0	9.7	5.4
92.5°	146.2	104.0	94.9	58.2	21.5
95°	360.0	202.7	186.0	118.9	51.8
97.5°	484.9	222.7	207.9	148.7	89.5
100°	530.4	239.4	225.9	172.3	118.6
102.5°	551.2	256.1	243.6	193.5	143.4
105°	566.6	280.9	270.2	227.9	185.5
107.5°	569.6	317.6	307.7	268.2	228.6
110°	565.3	338.1	329.2	293.4	257.8



TEST NUMBER: P934326

CATALOG NUMBER: SQ4-FA-050U-075D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	565.4	362.9	354.3	320.3	286.3
115°	570.7	400.1	392.2	360.8	329.5
117.5°	581.2	436.2	429.0	400.5	372.0
120°	589.8	457.2	450.5	423.7	396.9
122.5°	602.3	482.1	475.3	448.2	421.1
125°	619.1	513.9	507.7	483.0	458.3
127.5°	635.7	544.6	538.4	513.5	488.5
130°	647.9	565.1	558.4	531.6	504.7
132.5°	657.9	581.8	575.1	548.2	521.4
135°	668.6	601.2	595.1	570.7	546.2
137.5°	684.8	626.0	620.0	595.8	571.5
140°	694.7	642.7	637.1	614.9	592.5
142.5°	702.9	655.2	650.0	629.3	608.8
145°	713.8	674.0	669.5	651.5	633.5
147.5°	729.5	697.7	693.4	675.8	658.4
150°	737.8	710.1	706.2	690.3	674.5
152.5°	743.2	718.2	715.2	703.2	691.3
155°	755.1	736.0	733.8	724.9	716.0
157.5°	767.0	753.8	751.6	743.1	734.4
160°	772.4	761.9	760.2	753.5	746.8
162.5°	778.1	770.5	769.3	764.3	759.2
165°	786.3	782.9	781.8	777.2	772.7
167.5°	792.8	789.9	789.4	787.2	785.1
170°	798.2	798.0	797.5	795.3	793.2
172.5°	798.5	798.5	798.4	797.9	797.5
175°	801.7	803.4	803.4	803.4	803.4
177.5°	802.2	803.4	803.4	803.4	803.4
180°	803.4	803.4	803.4	803.4	803.4



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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	12.97	13.91	13.86	14.81	15.97	15.82	16.76	16.71	17.67	18.82
	3H	13.45	14.29	14.35	15.21	16.39	17.18	18.02	18.08	18.94	20.11
	4H	13.65	14.44	14.56	15.36	16.55	17.63	18.43	18.55	19.35	20.54
	6H	13.77	14.50	14.70	15.43	16.63	17.93	18.66	18.85	19.59	20.79
	8H	13.77	14.47	14.71	15.42	16.62	18.01	18.70	18.94	19.65	20.85
	12H	13.75	14.41	14.69	15.35	16.58	18.05	18.71	18.99	19.65	20.88
4H	2H	14.02	14.81	14.94	15.73	16.92	16.24	17.03	17.16	17.96	19.14
	3H	15.05	15.71	15.98	16.67	17.87	17.76	18.42	18.69	19.37	20.58
	4H	15.33	15.94	16.27	16.88	18.11	18.29	18.90	19.23	19.85	21.07
	6H	15.46	15.98	16.41	16.95	18.18	18.67	19.19	19.62	20.16	21.39
	8H	15.47	15.95	16.42	16.92	18.16	18.78	19.27	19.74	20.23	21.47
	12H	15.44	15.88	16.41	16.86	18.11	18.85	19.28	19.82	20.27	21.51
8H	4H	15.79	16.28	16.75	17.25	18.49	18.42	18.91	19.38	19.88	21.12
	6H	16.06	16.46	17.04	17.47	18.71	18.87	19.27	19.85	20.28	21.52
	8H	16.10	16.46	17.09	17.45	18.71	19.03	19.38	20.02	20.38	21.64
	12H	16.09	16.40	17.08	17.39	18.70	19.13	19.45	20.13	20.43	21.74
12H	4H	15.80	16.24	16.78	17.23	18.47	18.39	18.83	19.37	19.81	21.06
	6H	16.12	16.48	17.11	17.47	18.73	18.87	19.22	19.86	20.22	21.48
	8H	16.19	16.50	17.19	17.49	18.80	19.04	19.35	20.03	20.34	21.64