

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: P934865

Luminaire Tested: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934865
REPORT IS A COMBINATION OF REPORTS P933716 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-8-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

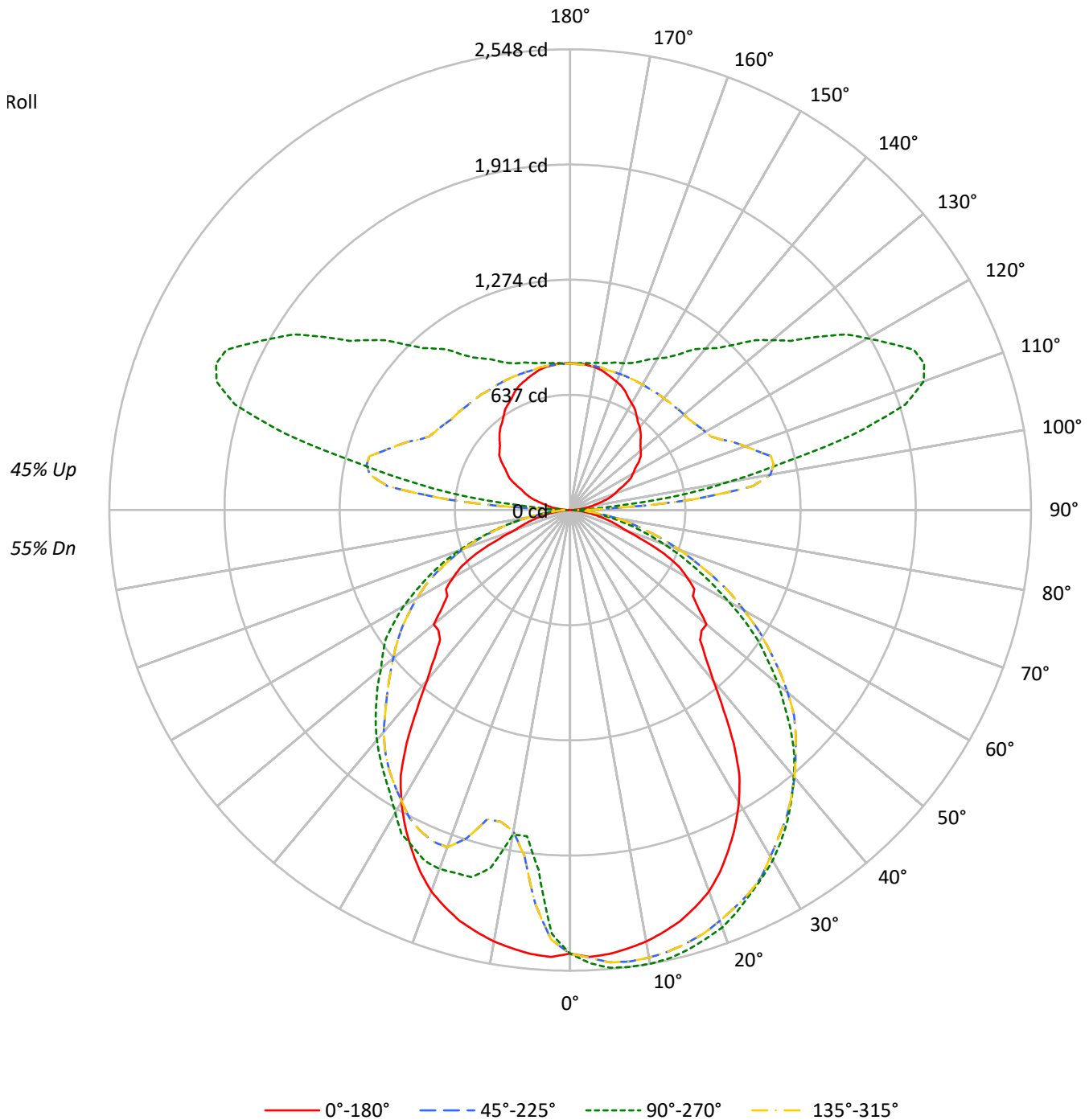
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11623.4 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 102.4
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	0
RCR																		
0	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60	55
1	99	95	91	87	92	88	85	82	76	73	71	64	62	61	54	52	51	46
2	90	83	76	71	83	77	72	67	66	62	59	56	53	51	47	45	43	39
3	82	73	65	59	76	68	61	56	58	53	49	50	46	43	42	39	37	33
4	75	64	56	50	69	60	53	47	52	46	42	44	40	37	37	34	32	28
5	69	57	49	43	64	54	46	41	46	41	36	40	35	32	34	30	28	24
6	64	51	43	37	59	48	41	35	42	36	32	36	31	28	30	27	24	21
7	59	46	38	33	54	43	36	31	38	32	28	33	28	25	28	24	21	19
8	55	42	34	29	51	39	32	27	35	29	25	30	25	22	25	22	19	17
9	51	38	31	26	47	36	29	25	32	26	22	27	23	20	24	20	17	15
10	47	35	28	23	44	33	26	22	29	24	20	25	21	18	22	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11382	11382	11382	11382
5°	11467	11490	11467	9034
10°	11390	11317	11390	8091
15°	11266	11073	11266	9246
20°	11031	10782	11031	9265
25°	10548	10358	10548	9069
30°	9925	10007	9925	8638
35°	8848	9562	8848	8164
40°	7373	9038	7373	7806
45°	6587	8425	6587	7394
50°	6998	7693	6998	6981
55°	6585	6906	6585	6742
60°	6787	5865	6787	6175
65°	6154	4848	6154	5419
70°	4261	3864	4261	4542
75°	3737	2856	3737	3420
80°	3011	1888	3011	2057
85°	1733	1000	1733	850

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10096 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.4	1.9
10°-20°	628.7	5.4
20°-30°	971.9	8.4
30°-40°	1160.3	10.0
40°-50°	1167.1	10.0
50°-60°	1015.5	8.7
60°-70°	720.0	6.2
70°-80°	380.9	3.3
80°-90°	98.0	0.8
90°-100°	395.5	3.4
100°-110°	1039.8	8.9
110°-120°	1078.1	9.3
120°-130°	864.8	7.4
130°-140°	678.6	5.8
140°-150°	520.8	4.5
150°-160°	375.1	3.2
160°-170°	229.5	2.0
170°-180°	77.5	0.7
0°-30°	1822.1	15.7
0°-40°	2982.3	25.7
0°-60°	5164.9	44.4
0°-90°	6363.7	54.7
90°-120°	2513.4	21.6
90°-150°	4577.6	39.4
90°-180°	5260.0	45.3
0°-180°	11623.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2453	2453	2453	2453	2453	
5°	2465	2541	2465	1998	2465	234
15°	2353	2518	2353	2103	2353	662
25°	2072	2349	2072	2056	2072	952
35°	1576	2096	1576	1789	1576	975
45°	1016	1727	1016	1516	1016	814
55°	829	1274	829	1244	829	761
65°	576	768	576	859	576	550
75°	218	364	218	436	218	229
85°	37	93	37	79	37	50
90°	5	21	5	21	5	6
95°	52	239	52	239	52	58
105°	187	1628	187	1628	187	199
115°	333	2096	333	2096	333	329
125°	463	1670	463	1670	463	411
135°	552	1295	552	1295	552	427
145°	640	1051	640	1051	640	401
155°	723	905	723	905	723	332
165°	780	843	780	843	780	220
175°	811	817	811	817	811	77
180°	811	811	811	811	811	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2
2.5°	2474.1	2474.1	2488.0	2492.6	2492.6	2485.7	2478.7	2485.7	2506.6	2513.5	2511.2
5°	2464.8	2483.3	2508.9	2513.5	2518.2	2515.8	2511.2	2515.8	2539.1	2543.7	2546.0
7.5°	2446.2	2481.0	2513.5	2520.5	2527.5	2520.5	2518.2	2522.8	2546.0	2550.7	2550.7
10°	2423.0	2471.7	2508.9	2513.5	2520.5	2513.5	2513.5	2522.8	2546.0	2550.7	2553.0
12.5°	2390.5	2457.8	2492.6	2497.3	2506.6	2504.2	2501.9	2511.2	2534.4	2539.1	2539.1
15°	2353.4	2432.3	2464.8	2469.4	2485.7	2481.0	2481.0	2490.3	2515.8	2522.8	2520.5
17.5°	2302.3	2399.8	2436.9	2443.9	2455.5	2453.2	2455.5	2464.8	2488.0	2492.6	2495.0
20°	2244.3	2355.7	2399.8	2406.7	2418.4	2418.4	2418.4	2430.0	2453.2	2462.5	2462.5
22.5°	2165.4	2309.3	2355.7	2360.3	2374.2	2374.2	2378.9	2395.1	2416.0	2418.4	2418.4
25°	2072.5	2258.2	2297.6	2311.6	2325.6	2332.5	2339.4	2348.8	2355.7	2353.4	2355.7
27.5°	1975.0	2193.2	2244.3	2253.5	2272.2	2279.1	2288.4	2290.7	2293.1	2300.0	2295.4
30°	1866.0	2102.7	2179.3	2188.6	2218.8	2223.4	2214.1	2218.8	2230.4	2235.0	2239.7
32.5°	1743.0	1968.1	2112.1	2132.9	2160.7	2146.8	2144.5	2151.5	2170.0	2170.0	2174.7
35°	1575.8	1863.7	2049.3	2067.9	2088.8	2072.5	2081.8	2084.1	2095.8	2102.7	2100.4
37.5°	1392.5	1773.1	1984.3	1998.3	2014.6	1993.7	2007.5	2014.6	2023.8	2019.2	2019.2
40°	1230.1	1631.6	1907.8	1917.1	1930.9	1914.7	1928.7	1933.3	1938.0	1933.3	1930.9
42.5°	1109.4	1476.1	1826.5	1838.1	1828.9	1840.5	1845.1	1854.4	1847.4	1838.1	1838.1
45°	1016.5	1434.3	1738.3	1752.3	1738.3	1757.0	1763.9	1763.9	1743.0	1738.3	1736.0
47.5°	986.4	1350.7	1650.2	1650.2	1643.2	1666.4	1678.0	1661.7	1640.8	1633.9	1633.9
50°	984.0	1257.9	1529.5	1520.2	1552.7	1580.5	1568.9	1552.7	1536.4	1510.9	1510.9
52.5°	893.6	1144.2	1373.9	1408.8	1459.8	1476.1	1457.5	1441.3	1413.4	1401.9	1392.5
55°	828.6	1025.9	1232.4	1302.0	1355.4	1376.3	1341.4	1325.3	1283.5	1276.5	1271.9
57.5°	814.6	854.1	1102.4	1190.6	1255.6	1253.2	1232.4	1202.2	1167.4	1160.4	1158.1
60°	747.3	617.4	963.1	1067.6	1134.9	1127.9	1109.4	1081.5	1049.0	1044.4	1039.7
62.5°	677.7	447.9	805.3	923.7	1018.8	1016.5	1000.3	958.5	935.3	923.7	914.4
65°	575.6	376.0	573.3	768.2	905.2	909.7	875.0	844.8	819.3	805.3	803.0
67.5°	438.6	306.4	387.6	640.5	796.1	791.4	747.3	733.4	700.9	693.9	680.0
70°	324.9	204.2	269.2	519.9	689.3	677.7	642.9	626.7	596.5	580.2	570.9
72.5°	269.2	164.8	197.3	403.8	580.2	566.3	536.1	517.6	492.0	478.1	468.8
75°	218.2	174.1	150.9	299.4	471.1	461.9	434.0	415.4	394.5	376.0	378.3
77.5°	160.1	162.5	120.7	220.5	373.6	359.8	343.5	320.3	311.0	292.5	292.5
80°	120.7	127.6	90.6	150.9	269.2	269.2	255.3	239.1	222.8	213.5	213.5
82.5°	81.2	81.2	67.3	95.1	183.4	176.4	167.1	162.5	153.2	148.5	148.5
85°	37.2	46.4	41.8	58.1	99.8	104.4	104.4	99.8	97.5	92.8	95.1
87.5°	11.6	20.9	25.6	32.5	51.0	53.4	55.7	55.7	55.7	58.1	58.1
90°	5.4	9.8	14.2	15.3	24.0	35.6	41.4	36.8	27.6	20.7	20.7
92.5°	21.8	58.8	95.9	105.1	147.8	204.6	233.1	204.3	146.7	103.5	99.3
95°	52.3	120.1	187.8	204.7	363.5	575.3	681.2	607.9	461.2	351.2	338.8
97.5°	90.4	150.2	210.0	224.9	489.7	842.8	1019.4	973.0	880.3	810.8	787.1
100°	119.8	174.0	228.3	241.8	535.7	927.5	1123.3	1126.8	1133.5	1138.6	1110.3
102.5°	144.8	195.4	246.0	258.7	556.7	954.1	1152.8	1211.8	1329.9	1418.5	1394.3
105°	187.3	230.2	273.0	283.7	572.3	957.1	1149.5	1281.9	1546.6	1745.2	1732.2
107.5°	230.9	270.9	310.7	320.8	575.2	914.5	1084.2	1268.8	1638.1	1915.1	1918.3
110°	260.3	296.3	332.3	341.4	570.8	876.7	1029.7	1236.1	1649.0	1958.7	1972.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	289.1	323.5	357.8	366.4	571.0	843.8	980.2	1191.5	1614.1	1930.9	1951.8
115°	332.7	364.4	396.1	404.0	576.3	805.9	920.8	1124.3	1531.4	1836.7	1865.6
117.5°	375.7	404.5	433.4	440.6	587.1	782.3	880.0	1063.6	1431.0	1706.5	1738.5
120°	400.8	427.8	455.0	461.7	595.7	774.3	863.6	1031.5	1367.2	1618.9	1650.0
122.5°	425.3	452.7	480.0	486.8	608.2	770.1	851.1	1002.2	1304.5	1531.2	1561.9
125°	462.9	487.8	512.7	518.9	625.1	766.7	837.5	965.9	1222.6	1415.2	1443.5
127.5°	493.3	518.5	543.7	550.0	642.0	764.7	826.0	936.3	1156.7	1322.1	1345.9
130°	509.7	536.7	563.9	570.6	654.3	766.0	821.7	919.8	1116.1	1263.3	1285.4
132.5°	526.5	553.7	580.8	587.6	664.3	766.7	817.9	905.7	1081.5	1213.2	1233.0
135°	551.6	576.3	601.0	607.2	675.2	766.0	811.4	885.0	1032.1	1142.4	1159.4
137.5°	577.2	601.6	626.1	632.2	691.6	770.7	810.2	872.4	996.9	1090.1	1104.0
140°	598.5	621.0	643.4	649.1	701.5	771.5	806.5	860.2	967.6	1048.3	1061.3
142.5°	614.8	635.6	656.4	661.6	709.9	774.3	806.5	853.6	948.0	1018.8	1030.0
145°	639.8	658.0	676.1	680.7	720.8	774.3	801.0	839.7	916.9	974.7	983.2
147.5°	664.9	682.5	700.3	704.7	736.8	779.6	801.0	831.4	892.1	937.7	944.7
150°	681.2	697.2	713.2	717.1	745.1	782.4	801.0	826.7	877.9	916.4	922.1
152.5°	698.1	710.2	722.3	725.3	750.5	784.1	801.0	822.9	866.7	899.6	903.9
155°	723.1	732.1	741.0	743.3	762.5	788.2	801.0	818.4	853.3	879.4	882.3
157.5°	741.6	750.3	759.0	761.2	774.5	792.1	801.0	814.5	841.7	862.0	864.0
160°	754.2	761.0	767.7	769.4	779.9	794.0	801.0	812.6	835.9	853.3	854.4
162.5°	766.7	771.8	776.9	778.2	785.8	795.9	801.0	810.8	830.4	845.1	846.2
165°	780.3	784.8	789.5	790.6	794.1	798.7	801.0	808.0	822.1	832.6	833.8
167.5°	792.8	795.0	797.2	797.8	800.7	804.5	806.5	811.0	820.2	827.2	827.6
170°	801.0	803.2	805.4	805.9	806.1	806.4	806.5	811.0	820.2	827.2	827.2
172.5°	805.4	805.8	806.4	806.5	806.5	806.5	806.5	810.1	817.3	822.8	822.4
175°	811.4	811.4	811.4	811.4	809.7	807.5	806.5	808.7	813.4	816.8	816.8
177.5°	811.4	811.4	811.4	811.4	810.1	808.4	807.5	809.4	813.0	815.7	815.2
180°	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2
2.5°	2515.8	2508.9	2515.8	2511.2	2513.5	2506.6	2485.7	2478.7	2485.7	2492.6	2492.6
5°	2546.0	2541.4	2546.0	2546.0	2543.7	2539.1	2515.8	2511.2	2515.8	2518.2	2513.5
7.5°	2555.3	2548.3	2555.3	2550.7	2550.7	2546.0	2522.8	2518.2	2520.5	2527.5	2520.5
10°	2555.3	2548.3	2555.3	2553.0	2550.7	2546.0	2522.8	2513.5	2513.5	2520.5	2513.5
12.5°	2543.7	2539.1	2543.7	2539.1	2539.1	2534.4	2511.2	2501.9	2504.2	2506.6	2497.3
15°	2525.1	2518.2	2525.1	2520.5	2522.8	2515.8	2490.3	2481.0	2481.0	2485.7	2469.4
17.5°	2497.3	2488.0	2497.3	2495.0	2492.6	2488.0	2464.8	2455.5	2453.2	2455.5	2443.9
20°	2464.8	2457.8	2464.8	2462.5	2462.5	2453.2	2430.0	2418.4	2418.4	2418.4	2406.7
22.5°	2413.7	2406.7	2413.7	2418.4	2418.4	2416.0	2395.1	2378.9	2374.2	2374.2	2360.3
25°	2355.7	2348.8	2355.7	2355.7	2353.4	2355.7	2348.8	2339.4	2332.5	2325.6	2311.6
27.5°	2300.0	2295.4	2300.0	2295.4	2300.0	2293.1	2290.7	2288.4	2279.1	2272.2	2253.5
30°	2244.3	2239.7	2244.3	2239.7	2235.0	2230.4	2218.8	2214.1	2223.4	2218.8	2188.6
32.5°	2174.7	2170.0	2174.7	2174.7	2170.0	2170.0	2151.5	2144.5	2146.8	2160.7	2132.9
35°	2102.7	2095.8	2102.7	2100.4	2102.7	2095.8	2084.1	2081.8	2072.5	2088.8	2067.9
37.5°	2019.2	2012.2	2019.2	2019.2	2019.2	2023.8	2014.6	2007.5	1993.7	2014.6	1998.3
40°	1933.3	1924.0	1933.3	1930.9	1933.3	1938.0	1933.3	1928.7	1914.7	1930.9	1917.1
42.5°	1835.8	1833.5	1835.8	1838.1	1838.1	1847.4	1854.4	1845.1	1840.5	1828.9	1838.1
45°	1731.4	1726.7	1731.4	1736.0	1738.3	1743.0	1763.9	1763.9	1757.0	1738.3	1752.3
47.5°	1619.9	1608.3	1619.9	1633.9	1633.9	1640.8	1661.7	1678.0	1666.4	1643.2	1650.2
50°	1501.6	1503.9	1501.6	1510.9	1510.9	1536.4	1552.7	1568.9	1580.5	1552.7	1520.2
52.5°	1385.6	1383.2	1385.6	1392.5	1401.9	1413.4	1441.3	1457.5	1476.1	1459.8	1408.8
55°	1269.5	1274.2	1269.5	1271.9	1276.5	1283.5	1325.3	1341.4	1376.3	1355.4	1302.0
57.5°	1153.5	1146.5	1153.5	1158.1	1160.4	1167.4	1202.2	1232.4	1253.2	1255.6	1190.6
60°	1018.8	1009.6	1018.8	1039.7	1044.4	1049.0	1081.5	1109.4	1127.9	1134.9	1067.6
62.5°	900.5	884.3	900.5	914.4	923.7	935.3	958.5	1000.3	1016.5	1018.8	923.7
65°	775.2	768.2	775.2	803.0	805.3	819.3	844.8	875.0	909.7	905.2	768.2
67.5°	661.4	661.4	661.4	680.0	693.9	700.9	733.4	747.3	791.4	796.1	640.5
70°	557.0	554.7	557.0	570.9	580.2	596.5	626.7	642.9	677.7	689.3	519.9
72.5°	457.2	454.9	457.2	468.8	478.1	492.0	517.6	536.1	566.3	580.2	403.8
75°	369.1	364.4	369.1	378.3	376.0	394.5	415.4	434.0	461.9	471.1	299.4
77.5°	283.2	283.2	283.2	292.5	292.5	311.0	320.3	343.5	359.8	373.6	220.5
80°	211.2	208.9	211.2	213.5	213.5	222.8	239.1	255.3	269.2	269.2	150.9
82.5°	148.5	143.9	148.5	148.5	148.5	153.2	162.5	167.1	176.4	183.4	95.1
85°	92.8	92.8	92.8	95.1	92.8	97.5	99.8	104.4	104.4	99.8	58.1
87.5°	60.3	58.1	60.3	58.1	58.1	55.7	55.7	55.7	53.4	51.0	32.5
90°	20.7	20.7	20.7	20.7	20.7	27.6	36.8	41.4	35.6	24.0	15.3
92.5°	82.9	66.4	82.9	99.3	103.5	146.7	204.3	233.1	204.6	147.8	105.1
95°	289.0	239.1	289.0	338.8	351.2	461.2	607.9	681.2	575.3	363.5	204.7
97.5°	692.2	597.3	692.2	787.1	810.8	880.3	973.0	1019.4	842.8	489.7	224.9
100°	997.4	884.4	997.4	1110.3	1138.6	1133.5	1126.8	1123.3	927.5	535.7	241.8
102.5°	1297.5	1200.7	1297.5	1394.3	1418.5	1329.9	1211.8	1152.8	954.1	556.7	258.7
105°	1680.1	1628.1	1680.1	1732.2	1745.2	1546.6	1281.9	1149.5	957.1	572.3	283.7
107.5°	1930.9	1943.4	1930.9	1918.3	1915.1	1638.1	1268.8	1084.2	914.5	575.2	320.8
110°	2026.5	2080.7	2026.5	1972.2	1958.7	1649.0	1236.1	1029.7	876.7	570.8	341.4



TEST NUMBER: P934865

CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2034.9	2118.2	2034.9	1951.8	1930.9	1614.1	1191.5	980.2	843.8	571.0	366.4
115°	1981.0	2096.4	1981.0	1865.6	1836.7	1531.4	1124.3	920.8	805.9	576.3	404.0
117.5°	1866.6	1994.6	1866.6	1738.5	1706.5	1431.0	1063.6	880.0	782.3	587.1	440.6
120°	1774.4	1898.8	1774.4	1650.0	1618.9	1367.2	1031.5	863.6	774.3	595.7	461.7
122.5°	1684.6	1807.3	1684.6	1561.9	1531.2	1304.5	1002.2	851.1	770.1	608.2	486.8
125°	1556.5	1669.6	1556.5	1443.5	1415.2	1222.6	965.9	837.5	766.7	625.1	518.9
127.5°	1441.3	1536.7	1441.3	1345.9	1322.1	1156.7	936.3	826.0	764.7	642.0	550.0
130°	1373.4	1461.5	1373.4	1285.4	1263.3	1116.1	919.8	821.7	766.0	654.3	570.6
132.5°	1311.8	1390.7	1311.8	1233.0	1213.2	1081.5	905.7	817.9	766.7	664.3	587.6
135°	1227.4	1295.4	1227.4	1159.4	1142.4	1032.1	885.0	811.4	766.0	675.2	607.2
137.5°	1159.7	1215.4	1159.7	1104.0	1090.1	996.9	872.4	810.2	770.7	691.6	632.2
140°	1113.3	1165.3	1113.3	1061.3	1048.3	967.6	860.2	806.5	771.5	701.5	649.1
142.5°	1074.8	1119.6	1074.8	1030.0	1018.8	948.0	853.6	806.5	774.3	709.9	661.6
145°	1017.1	1051.0	1017.1	983.2	974.7	916.9	839.7	801.0	774.3	720.8	680.7
147.5°	972.7	1000.8	972.7	944.7	937.7	892.1	831.4	801.0	779.6	736.8	704.7
150°	944.9	967.6	944.9	922.1	916.4	877.9	826.7	801.0	782.4	745.1	717.1
152.5°	921.0	938.2	921.0	903.9	899.6	866.7	822.9	801.0	784.1	750.5	725.3
155°	893.7	905.0	893.7	882.3	879.4	853.3	818.4	801.0	788.2	762.5	743.3
157.5°	872.0	880.0	872.0	864.0	862.0	841.7	814.5	801.0	792.1	774.5	761.2
160°	859.1	863.6	859.1	854.4	853.3	835.9	812.6	801.0	794.0	779.9	769.4
162.5°	850.5	854.9	850.5	846.2	845.1	830.4	810.8	801.0	795.9	785.8	778.2
165°	838.3	842.9	838.3	833.8	832.6	822.1	808.0	801.0	798.7	794.1	790.6
167.5°	829.6	831.5	829.6	827.6	827.2	820.2	811.0	806.5	804.5	800.7	797.8
170°	827.2	827.2	827.2	827.2	827.2	820.2	811.0	806.5	806.4	806.1	805.9
172.5°	820.7	819.0	820.7	822.4	822.8	817.3	810.1	806.5	806.5	806.5	806.5
175°	816.8	816.8	816.8	816.8	816.8	813.4	808.7	806.5	807.5	809.7	811.4
177.5°	813.3	811.4	813.3	815.2	815.7	813.0	809.4	807.5	808.4	810.1	811.4
180°	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4



TEST NUMBER: P934865

CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2
2.5°	2488.0	2474.1	2474.1	2450.9	2441.6	2434.7	2423.0	2388.2	2378.9	2369.7	2383.5
5°	2508.9	2483.3	2464.8	2423.0	2388.2	2374.2	2330.1	2246.6	2190.9	2149.1	2125.9
7.5°	2513.5	2481.0	2446.2	2381.2	2297.6	2260.6	2125.9	1972.8	1930.9	1893.9	1870.6
10°	2508.9	2471.7	2423.0	2325.6	2128.2	2063.3	1928.7	1828.9	1803.3	1796.4	1803.3
12.5°	2492.6	2457.8	2390.5	2228.1	1951.8	1907.8	1828.9	1770.8	1766.2	1777.8	1840.5
15°	2464.8	2432.3	2353.4	2098.1	1854.4	1821.9	1766.2	1745.3	1770.8	1852.1	2040.0
17.5°	2436.9	2399.8	2302.3	1970.5	1780.1	1757.0	1717.4	1759.2	1903.1	2012.2	2074.9
20°	2399.8	2355.7	2244.3	1877.6	1726.7	1705.8	1687.3	1875.3	1984.3	2023.8	2058.6
22.5°	2355.7	2309.3	2165.4	1812.6	1671.1	1654.8	1666.4	1940.3	1984.3	2012.2	2042.4
25°	2297.6	2258.2	2072.5	1761.5	1627.0	1608.3	1652.4	1933.3	1958.8	1965.8	2026.2
27.5°	2244.3	2193.2	1975.0	1715.1	1573.6	1566.6	1664.1	1903.1	1921.7	1928.7	1993.7
30°	2179.3	2102.7	1866.0	1666.4	1517.9	1515.5	1666.4	1866.0	1861.4	1879.9	1944.9
32.5°	2112.1	1968.1	1743.0	1606.1	1464.5	1462.2	1650.2	1810.3	1805.6	1831.2	1879.9
35°	2049.3	1863.7	1575.8	1536.4	1397.2	1399.5	1610.7	1745.3	1747.6	1770.8	1801.0
37.5°	1984.3	1773.1	1392.5	1459.8	1332.2	1332.2	1557.3	1684.9	1680.4	1687.3	1729.0
40°	1907.8	1631.6	1230.1	1360.0	1271.9	1264.8	1492.3	1619.9	1603.7	1601.4	1659.5
42.5°	1826.5	1476.1	1109.4	1227.8	1202.2	1192.9	1413.4	1541.1	1510.9	1517.9	1592.1
45°	1738.3	1434.3	1016.5	1037.4	1130.3	1123.3	1327.6	1450.5	1429.7	1448.2	1524.8
47.5°	1650.2	1350.7	986.4	861.1	1053.7	1051.3	1232.4	1362.3	1350.7	1369.4	1450.5
50°	1529.5	1257.9	984.0	738.0	967.8	977.1	1118.7	1276.5	1276.5	1292.8	1378.6
52.5°	1373.9	1144.2	893.6	668.4	868.0	895.9	1018.8	1202.2	1206.9	1223.1	1299.7
55°	1232.4	1025.9	828.6	615.1	749.6	810.0	921.4	1125.6	1134.9	1151.2	1220.8
57.5°	1102.4	854.1	814.6	552.4	640.5	698.6	835.5	1051.3	1056.0	1069.9	1137.2
60°	963.1	617.4	747.3	485.1	545.4	589.5	756.6	963.1	979.4	988.7	1046.8
62.5°	805.3	447.9	677.7	438.6	499.0	508.3	691.7	879.6	900.5	907.5	942.2
65°	573.3	376.0	575.6	399.2	450.2	452.6	622.0	793.7	812.3	823.9	849.4
67.5°	387.6	306.4	438.6	362.0	413.2	415.4	554.7	693.9	719.5	728.7	745.0
70°	269.2	204.2	324.9	322.6	371.3	376.0	482.7	603.4	626.7	633.6	642.9
72.5°	197.3	164.8	269.2	290.1	327.3	331.9	408.5	501.3	524.5	531.5	536.1
75°	150.9	174.1	218.2	253.0	278.5	280.8	334.2	408.5	424.7	429.4	431.7
77.5°	120.7	162.5	160.1	204.2	227.5	222.8	262.3	315.7	329.5	329.5	329.5
80°	90.6	127.6	120.7	146.2	167.1	162.5	188.0	225.1	229.8	234.4	232.0
82.5°	67.3	81.2	81.2	92.8	111.4	106.8	125.3	146.2	146.2	146.2	150.9
85°	41.8	46.4	37.2	48.7	62.6	60.3	69.6	78.9	81.2	81.2	76.6
87.5°	25.6	20.9	11.6	18.5	27.8	27.8	32.5	34.8	32.5	32.5	32.5
90°	14.2	9.8	5.4	9.8	14.2	15.3	24.0	35.6	41.4	36.8	27.6
92.5°	95.9	58.8	21.8	58.8	95.9	105.1	147.8	204.6	233.1	204.3	146.7
95°	187.8	120.1	52.3	120.1	187.8	204.7	363.5	575.3	681.2	607.9	461.2
97.5°	210.0	150.2	90.4	150.2	210.0	224.9	489.7	842.8	1019.4	973.0	880.3
100°	228.3	174.0	119.8	174.0	228.3	241.8	535.7	927.5	1123.3	1126.8	1133.5
102.5°	246.0	195.4	144.8	195.4	246.0	258.7	556.7	954.1	1152.8	1211.8	1329.9
105°	273.0	230.2	187.3	230.2	273.0	283.7	572.3	957.1	1149.5	1281.9	1546.6
107.5°	310.7	270.9	230.9	270.9	310.7	320.8	575.2	914.5	1084.2	1268.8	1638.1
110°	332.3	296.3	260.3	296.3	332.3	341.4	570.8	876.7	1029.7	1236.1	1649.0



TEST NUMBER: P934865

CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	357.8	323.5	289.1	323.5	357.8	366.4	571.0	843.8	980.2	1191.5	1614.1
115°	396.1	364.4	332.7	364.4	396.1	404.0	576.3	805.9	920.8	1124.3	1531.4
117.5°	433.4	404.5	375.7	404.5	433.4	440.6	587.1	782.3	880.0	1063.6	1431.0
120°	455.0	427.8	400.8	427.8	455.0	461.7	595.7	774.3	863.6	1031.5	1367.2
122.5°	480.0	452.7	425.3	452.7	480.0	486.8	608.2	770.1	851.1	1002.2	1304.5
125°	512.7	487.8	462.9	487.8	512.7	518.9	625.1	766.7	837.5	965.9	1222.6
127.5°	543.7	518.5	493.3	518.5	543.7	550.0	642.0	764.7	826.0	936.3	1156.7
130°	563.9	536.7	509.7	536.7	563.9	570.6	654.3	766.0	821.7	919.8	1116.1
132.5°	580.8	553.7	526.5	553.7	580.8	587.6	664.3	766.7	817.9	905.7	1081.5
135°	601.0	576.3	551.6	576.3	601.0	607.2	675.2	766.0	811.4	885.0	1032.1
137.5°	626.1	601.6	577.2	601.6	626.1	632.2	691.6	770.7	810.2	872.4	996.9
140°	643.4	621.0	598.5	621.0	643.4	649.1	701.5	771.5	806.5	860.2	967.6
142.5°	656.4	635.6	614.8	635.6	656.4	661.6	709.9	774.3	806.5	853.6	948.0
145°	676.1	658.0	639.8	658.0	676.1	680.7	720.8	774.3	801.0	839.7	916.9
147.5°	700.3	682.5	664.9	682.5	700.3	704.7	736.8	779.6	801.0	831.4	892.1
150°	713.2	697.2	681.2	697.2	713.2	717.1	745.1	782.4	801.0	826.7	877.9
152.5°	722.3	710.2	698.1	710.2	722.3	725.3	750.5	784.1	801.0	822.9	866.7
155°	741.0	732.1	723.1	732.1	741.0	743.3	762.5	788.2	801.0	818.4	853.3
157.5°	759.0	750.3	741.6	750.3	759.0	761.2	774.5	792.1	801.0	814.5	841.7
160°	767.7	761.0	754.2	761.0	767.7	769.4	779.9	794.0	801.0	812.6	835.9
162.5°	776.9	771.8	766.7	771.8	776.9	778.2	785.8	795.9	801.0	810.8	830.4
165°	789.5	784.8	780.3	784.8	789.5	790.6	794.1	798.7	801.0	808.0	822.1
167.5°	797.2	795.0	792.8	795.0	797.2	797.8	800.7	804.5	806.5	811.0	820.2
170°	805.4	803.2	801.0	803.2	805.4	805.9	806.1	806.4	806.5	811.0	820.2
172.5°	806.4	805.8	805.4	805.8	806.4	806.5	806.5	806.5	806.5	810.1	817.3
175°	811.4	811.4	811.4	811.4	811.4	811.4	809.7	807.5	806.5	808.7	813.4
177.5°	811.4	811.4	811.4	811.4	811.4	811.4	810.1	808.4	807.5	809.4	813.0
180°	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4



TEST NUMBER: P934865
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2
2.5°	2367.3	2360.3	2369.7	2344.1	2369.7	2360.3	2367.3	2383.5	2369.7	2378.9	2388.2
5°	2077.2	2065.6	2028.4	1998.3	2028.4	2065.6	2077.2	2125.9	2149.1	2190.9	2246.6
7.5°	1856.7	1847.4	1838.1	1819.6	1838.1	1847.4	1856.7	1870.6	1893.9	1930.9	1972.8
10°	1808.0	1810.3	1824.2	1821.9	1824.2	1810.3	1808.0	1803.3	1796.4	1803.3	1828.9
12.5°	1933.3	1954.2	2030.8	2026.2	2030.8	1954.2	1933.3	1840.5	1777.8	1766.2	1770.8
15°	2077.2	2084.1	2100.4	2102.7	2100.4	2084.1	2077.2	2040.0	1852.1	1770.8	1745.3
17.5°	2091.1	2093.4	2105.0	2105.0	2105.0	2093.4	2091.1	2074.9	2012.2	1903.1	1759.2
20°	2079.6	2084.1	2107.4	2112.1	2107.4	2084.1	2079.6	2058.6	2023.8	1984.3	1875.3
22.5°	2074.9	2084.1	2102.7	2100.4	2102.7	2084.1	2074.9	2042.4	2012.2	1984.3	1940.3
25°	2051.6	2051.6	2054.0	2056.3	2054.0	2051.6	2051.6	2026.2	1965.8	1958.8	1933.3
27.5°	2003.0	2007.5	2021.5	2019.2	2021.5	2007.5	2003.0	1993.7	1928.7	1921.7	1903.1
30°	1958.8	1954.2	1942.5	1933.3	1942.5	1954.2	1958.8	1944.9	1879.9	1861.4	1866.0
32.5°	1884.6	1873.0	1861.4	1854.4	1861.4	1873.0	1884.6	1879.9	1831.2	1805.6	1810.3
35°	1796.4	1798.7	1796.4	1789.4	1796.4	1798.7	1796.4	1801.0	1770.8	1747.6	1745.3
37.5°	1733.7	1738.3	1736.0	1726.7	1736.0	1738.3	1733.7	1729.0	1687.3	1680.4	1684.9
40°	1668.7	1671.1	1668.7	1661.7	1668.7	1671.1	1668.7	1659.5	1601.4	1603.7	1619.9
42.5°	1606.1	1603.7	1596.8	1592.1	1596.8	1603.7	1606.1	1592.1	1517.9	1510.9	1541.1
45°	1534.1	1536.4	1522.5	1515.5	1522.5	1536.4	1534.1	1524.8	1448.2	1429.7	1450.5
47.5°	1462.2	1462.2	1450.5	1443.6	1450.5	1462.2	1462.2	1450.5	1369.4	1350.7	1362.3
50°	1385.6	1383.2	1367.0	1364.7	1367.0	1383.2	1385.6	1378.6	1292.8	1276.5	1276.5
52.5°	1297.3	1297.3	1299.7	1304.4	1299.7	1297.3	1297.3	1299.7	1223.1	1206.9	1202.2
55°	1220.8	1223.1	1239.4	1244.0	1239.4	1223.1	1220.8	1220.8	1151.2	1134.9	1125.6
57.5°	1141.9	1141.9	1153.5	1153.5	1153.5	1141.9	1141.9	1137.2	1069.9	1056.0	1051.3
60°	1051.3	1056.0	1065.3	1063.0	1065.3	1056.0	1051.3	1046.8	988.7	979.4	963.1
62.5°	956.2	960.9	963.1	958.5	963.1	960.9	956.2	942.2	907.5	900.5	879.6
65°	856.4	861.1	863.4	858.7	863.4	861.1	856.4	849.4	823.9	812.3	793.7
67.5°	754.3	752.0	749.6	758.9	749.6	752.0	754.3	745.0	728.7	719.5	693.9
70°	649.9	649.9	647.5	652.1	647.5	649.9	649.9	642.9	633.6	626.7	603.4
72.5°	538.5	536.1	545.4	538.5	545.4	536.1	538.5	536.1	531.5	524.5	501.3
75°	429.4	434.0	429.4	436.3	429.4	434.0	429.4	431.7	429.4	424.7	408.5
77.5°	327.3	331.9	327.3	327.3	327.3	331.9	327.3	329.5	329.5	329.5	315.7
80°	232.0	229.8	229.8	227.5	229.8	229.8	232.0	232.0	234.4	229.8	225.1
82.5°	148.5	146.2	146.2	150.9	146.2	146.2	148.5	150.9	146.2	146.2	146.2
85°	81.2	83.5	78.9	78.9	78.9	83.5	81.2	76.6	81.2	81.2	78.9
87.5°	30.2	27.8	27.8	27.8	27.8	27.8	30.2	32.5	32.5	32.5	34.8
90°	20.7	20.7	20.7	20.7	20.7	20.7	20.7	27.6	36.8	41.4	35.6
92.5°	103.5	99.3	82.9	66.4	82.9	99.3	103.5	146.7	204.3	233.1	204.6
95°	351.2	338.8	289.0	239.1	289.0	338.8	351.2	461.2	607.9	681.2	575.3
97.5°	810.8	787.1	692.2	597.3	692.2	787.1	810.8	880.3	973.0	1019.4	842.8
100°	1138.6	1110.3	997.4	884.4	997.4	1110.3	1138.6	1133.5	1126.8	1123.3	927.5
102.5°	1418.5	1394.3	1297.5	1200.7	1297.5	1394.3	1418.5	1329.9	1211.8	1152.8	954.1
105°	1745.2	1732.2	1680.1	1628.1	1680.1	1732.2	1745.2	1546.6	1281.9	1149.5	957.1
107.5°	1915.1	1918.3	1930.9	1943.4	1930.9	1918.3	1915.1	1638.1	1268.8	1084.2	914.5
110°	1958.7	1972.2	2026.5	2080.7	2026.5	1972.2	1958.7	1649.0	1236.1	1029.7	876.7



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1930.9	1951.8	2034.9	2118.2	2034.9	1951.8	1930.9	1614.1	1191.5	980.2	843.8
115°	1836.7	1865.6	1981.0	2096.4	1981.0	1865.6	1836.7	1531.4	1124.3	920.8	805.9
117.5°	1706.5	1738.5	1866.6	1994.6	1866.6	1738.5	1706.5	1431.0	1063.6	880.0	782.3
120°	1618.9	1650.0	1774.4	1898.8	1774.4	1650.0	1618.9	1367.2	1031.5	863.6	774.3
122.5°	1531.2	1561.9	1684.6	1807.3	1684.6	1561.9	1531.2	1304.5	1002.2	851.1	770.1
125°	1415.2	1443.5	1556.5	1669.6	1556.5	1443.5	1415.2	1222.6	965.9	837.5	766.7
127.5°	1322.1	1345.9	1441.3	1536.7	1441.3	1345.9	1322.1	1156.7	936.3	826.0	764.7
130°	1263.3	1285.4	1373.4	1461.5	1373.4	1285.4	1263.3	1116.1	919.8	821.7	766.0
132.5°	1213.2	1233.0	1311.8	1390.7	1311.8	1233.0	1213.2	1081.5	905.7	817.9	766.7
135°	1142.4	1159.4	1227.4	1295.4	1227.4	1159.4	1142.4	1032.1	885.0	811.4	766.0
137.5°	1090.1	1104.0	1159.7	1215.4	1159.7	1104.0	1090.1	996.9	872.4	810.2	770.7
140°	1048.3	1061.3	1113.3	1165.3	1113.3	1061.3	1048.3	967.6	860.2	806.5	771.5
142.5°	1018.8	1030.0	1074.8	1119.6	1074.8	1030.0	1018.8	948.0	853.6	806.5	774.3
145°	974.7	983.2	1017.1	1051.0	1017.1	983.2	974.7	916.9	839.7	801.0	774.3
147.5°	937.7	944.7	972.7	1000.8	972.7	944.7	937.7	892.1	831.4	801.0	779.6
150°	916.4	922.1	944.9	967.6	944.9	922.1	916.4	877.9	826.7	801.0	782.4
152.5°	899.6	903.9	921.0	938.2	921.0	903.9	899.6	866.7	822.9	801.0	784.1
155°	879.4	882.3	893.7	905.0	893.7	882.3	879.4	853.3	818.4	801.0	788.2
157.5°	862.0	864.0	872.0	880.0	872.0	864.0	862.0	841.7	814.5	801.0	792.1
160°	853.3	854.4	859.1	863.6	859.1	854.4	853.3	835.9	812.6	801.0	794.0
162.5°	845.1	846.2	850.5	854.9	850.5	846.2	845.1	830.4	810.8	801.0	795.9
165°	832.6	833.8	838.3	842.9	838.3	833.8	832.6	822.1	808.0	801.0	798.7
167.5°	827.2	827.6	829.6	831.5	829.6	827.6	827.2	820.2	811.0	806.5	804.5
170°	827.2	827.2	827.2	827.2	827.2	827.2	827.2	820.2	811.0	806.5	806.4
172.5°	822.8	822.4	820.7	819.0	820.7	822.4	822.8	817.3	810.1	806.5	806.5
175°	816.8	816.8	816.8	816.8	816.8	816.8	816.8	813.4	808.7	806.5	807.5
177.5°	815.7	815.2	813.3	811.4	813.3	815.2	815.7	813.0	809.4	807.5	808.4
180°	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2453.2	2453.2	2453.2	2453.2	2453.2
2.5°	2423.0	2434.7	2441.6	2450.9	2474.1
5°	2330.1	2374.2	2388.2	2423.0	2464.8
7.5°	2125.9	2260.6	2297.6	2381.2	2446.2
10°	1928.7	2063.3	2128.2	2325.6	2423.0
12.5°	1828.9	1907.8	1951.8	2228.1	2390.5
15°	1766.2	1821.9	1854.4	2098.1	2353.4
17.5°	1717.4	1757.0	1780.1	1970.5	2302.3
20°	1687.3	1705.8	1726.7	1877.6	2244.3
22.5°	1666.4	1654.8	1671.1	1812.6	2165.4
25°	1652.4	1608.3	1627.0	1761.5	2072.5
27.5°	1664.1	1566.6	1573.6	1715.1	1975.0
30°	1666.4	1515.5	1517.9	1666.4	1866.0
32.5°	1650.2	1462.2	1464.5	1606.1	1743.0
35°	1610.7	1399.5	1397.2	1536.4	1575.8
37.5°	1557.3	1332.2	1332.2	1459.8	1392.5
40°	1492.3	1264.8	1271.9	1360.0	1230.1
42.5°	1413.4	1192.9	1202.2	1227.8	1109.4
45°	1327.6	1123.3	1130.3	1037.4	1016.5
47.5°	1232.4	1051.3	1053.7	861.1	986.4
50°	1118.7	977.1	967.8	738.0	984.0
52.5°	1018.8	895.9	868.0	668.4	893.6
55°	921.4	810.0	749.6	615.1	828.6
57.5°	835.5	698.6	640.5	552.4	814.6
60°	756.6	589.5	545.4	485.1	747.3
62.5°	691.7	508.3	499.0	438.6	677.7
65°	622.0	452.6	450.2	399.2	575.6
67.5°	554.7	415.4	413.2	362.0	438.6
70°	482.7	376.0	371.3	322.6	324.9
72.5°	408.5	331.9	327.3	290.1	269.2
75°	334.2	280.8	278.5	253.0	218.2
77.5°	262.3	222.8	227.5	204.2	160.1
80°	188.0	162.5	167.1	146.2	120.7
82.5°	125.3	106.8	111.4	92.8	81.2
85°	69.6	60.3	62.6	48.7	37.2
87.5°	32.5	27.8	27.8	18.5	11.6
90°	24.0	15.3	14.2	9.8	5.4
92.5°	147.8	105.1	95.9	58.8	21.8
95°	363.5	204.7	187.8	120.1	52.3
97.5°	489.7	224.9	210.0	150.2	90.4
100°	535.7	241.8	228.3	174.0	119.8
102.5°	556.7	258.7	246.0	195.4	144.8
105°	572.3	283.7	273.0	230.2	187.3
107.5°	575.2	320.8	310.7	270.9	230.9
110°	570.8	341.4	332.3	296.3	260.3



TEST NUMBER: P934865

CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	571.0	366.4	357.8	323.5	289.1
115°	576.3	404.0	396.1	364.4	332.7
117.5°	587.1	440.6	433.4	404.5	375.7
120°	595.7	461.7	455.0	427.8	400.8
122.5°	608.2	486.8	480.0	452.7	425.3
125°	625.1	518.9	512.7	487.8	462.9
127.5°	642.0	550.0	543.7	518.5	493.3
130°	654.3	570.6	563.9	536.7	509.7
132.5°	664.3	587.6	580.8	553.7	526.5
135°	675.2	607.2	601.0	576.3	551.6
137.5°	691.6	632.2	626.1	601.6	577.2
140°	701.5	649.1	643.4	621.0	598.5
142.5°	709.9	661.6	656.4	635.6	614.8
145°	720.8	680.7	676.1	658.0	639.8
147.5°	736.8	704.7	700.3	682.5	664.9
150°	745.1	717.1	713.2	697.2	681.2
152.5°	750.5	725.3	722.3	710.2	698.1
155°	762.5	743.3	741.0	732.1	723.1
157.5°	774.5	761.2	759.0	750.3	741.6
160°	779.9	769.4	767.7	761.0	754.2
162.5°	785.8	778.2	776.9	771.8	766.7
165°	794.1	790.6	789.5	784.8	780.3
167.5°	800.7	797.8	797.2	795.0	792.8
170°	806.1	805.9	805.4	803.2	801.0
172.5°	806.5	806.5	806.4	805.8	805.4
175°	809.7	811.4	811.4	811.4	811.4
177.5°	810.1	811.4	811.4	811.4	811.4
180°	811.4	811.4	811.4	811.4	811.4



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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	13.68	14.59	14.60	15.52	16.73	16.52	17.43	17.44	18.36	19.56
	3H	14.17	14.98	15.09	15.92	17.15	17.87	18.69	18.80	19.63	20.85
	4H	14.36	15.13	15.30	16.07	17.31	18.32	19.09	19.26	20.04	21.27
	6H	14.48	15.19	15.43	16.14	17.39	18.61	19.32	19.56	20.27	21.52
	8H	14.48	15.16	15.44	16.13	17.37	18.69	19.36	19.65	20.33	21.58
	12H	14.45	15.10	15.42	16.06	17.33	18.73	19.37	19.70	20.33	21.61
4H	2H	14.72	15.49	15.67	16.44	17.68	16.94	17.70	17.88	18.65	19.89
	3H	15.76	16.40	16.71	17.37	18.62	18.45	19.09	19.41	20.07	21.32
	4H	16.03	16.62	17.00	17.59	18.86	18.98	19.56	19.95	20.54	21.81
	6H	16.16	16.66	17.14	17.66	18.93	19.35	19.85	20.33	20.85	22.12
	8H	16.17	16.64	17.15	17.63	18.91	19.46	19.93	20.44	20.92	22.21
	12H	16.14	16.56	17.14	17.57	18.86	19.52	19.94	20.52	20.95	22.24
8H	4H	16.49	16.96	17.47	17.95	19.24	19.11	19.58	20.09	20.57	21.86
	6H	16.76	17.14	17.76	18.18	19.46	19.55	19.94	20.56	20.97	22.25
	8H	16.80	17.14	17.81	18.16	19.46	19.70	20.05	20.72	21.06	22.37
	12H	16.78	17.09	17.80	18.10	19.45	19.80	20.11	20.82	21.12	22.47
12H	4H	16.50	16.93	17.50	17.93	19.22	19.08	19.50	20.08	20.51	21.80
	6H	16.82	17.16	17.83	18.18	19.48	19.55	19.89	20.56	20.91	22.21
	8H	16.89	17.19	17.91	18.20	19.55	19.71	20.01	20.73	21.03	22.37