

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: P934213

Luminaire Tested: SQ4-FA-050U-050D-835-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

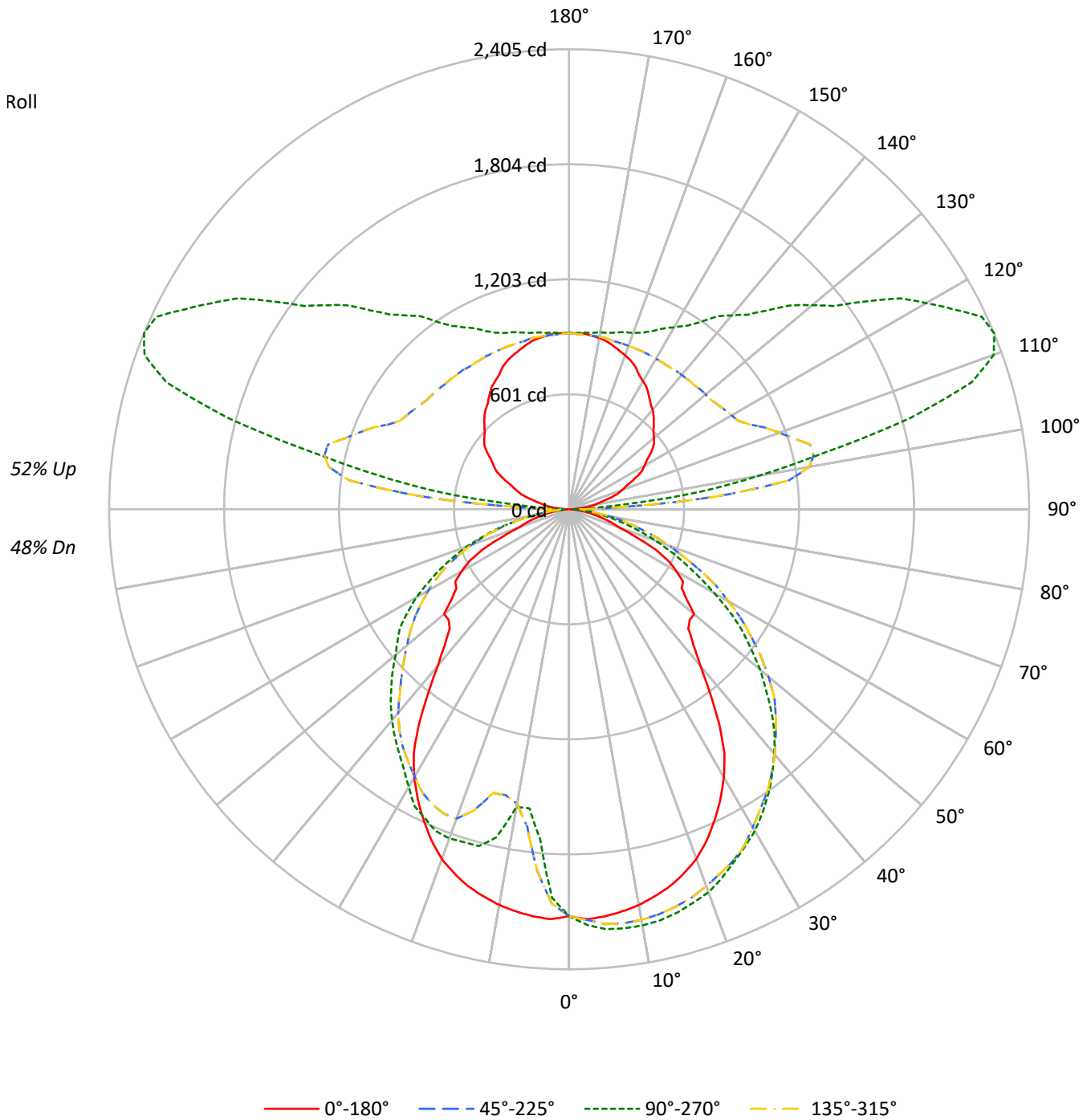
Test Method: LM-79-2019  
Report Number: P934213  
REPORT IS A COMBINATION OF REPORTS P933689 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-050U-050D-835-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11490.0 lumens  
Efficiency: N/A  
Efficacy: 134.9 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): 85.2  
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



TEST NUMBER: P934213  
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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				20			
RC	80				70				50				30				10				0			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
RCR																								
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48	48	48	41	41	41	
1	97	93	89	86	89	86	83	80	72	70	68	60	58	56	48	47	46	41	40	39	34	33	32	
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	40	39	34	33	32	29	28	27	
3	81	71	64	58	74	66	60	55	56	51	47	46	43	40	38	35	33	29	28	27	24	23	22	
4	74	63	55	49	68	58	52	46	50	44	40	41	37	34	33	31	28	25	24	22	19	18	17	
5	68	56	48	42	62	52	45	40	44	39	35	37	33	30	30	27	25	21	20	19	16	15	14	
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19	18	17	14	13	12	
7	58	45	38	32	53	42	35	30	36	30	26	30	26	23	25	22	19	17	16	15	12	11	10	
8	54	41	34	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15	14	13	10	9	8	
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	16	13	12	11	8	7	6	
10	47	34	27	22	43	32	26	21	28	22	19	23	19	16	20	16	14	12	11	10	7	6	5	

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	6578	6578	6578	6578
5°	6629	6640	6629	5221
10°	6588	6541	6588	4676
15°	6518	6399	6518	5343
20°	6385	6231	6385	5355
25°	6108	5986	6108	5241
30°	5750	5783	5750	4992
35°	5128	5526	5128	4718
40°	4276	5223	4276	4511
45°	3823	4869	3823	4273
50°	4065	4446	4065	4035
55°	3828	3991	3828	3897
60°	3951	3390	3951	3569
65°	3588	2802	3588	3132
70°	2491	2233	2491	2626
75°	2192	1651	2192	1976
80°	1779	1091	1779	1188
85°	1043	578	1043	491

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 5856 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	192.0	1.7
10°-20°	545.0	4.7
20°-30°	842.5	7.3
30°-40°	1005.8	8.8
40°-50°	1011.7	8.8
50°-60°	880.3	7.7
60°-70°	624.2	5.4
70°-80°	330.2	2.9
80°-90°	85.8	0.7
90°-100°	449.1	3.9
100°-110°	1180.7	10.3
110°-120°	1224.2	10.7
120°-130°	982.0	8.5
130°-140°	770.5	6.7
140°-150°	591.4	5.1
150°-160°	425.9	3.7
160°-170°	260.6	2.3
170°-180°	88.0	0.8
0°-30°	1579.6	13.7
0°-40°	2585.4	22.5
0°-60°	4477.4	39.0
0°-90°	5517.5	48.0
90°-120°	2854.0	24.8
90°-150°	5197.9	45.2
90°-180°	5972.0	52.0
0°-180°	11490.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2127	2127	2127	2127	2127	
5°	2137	2203	2137	1732	2137	203
15°	2040	2183	2040	1823	2040	574
25°	1797	2036	1797	1783	1797	825
35°	1366	1817	1366	1551	1366	845
45°	881	1497	881	1314	881	706
55°	718	1105	718	1078	718	660
65°	499	666	499	744	499	477
75°	189	316	189	378	189	199
85°	32	80	32	68	32	43
90°	6	24	6	24	6	6
95°	59	271	59	271	59	66
105°	213	1849	213	1849	213	226
115°	378	2381	378	2381	378	373
125°	526	1896	526	1896	526	467
135°	626	1471	626	1471	626	485
145°	726	1193	726	1193	726	455
155°	821	1028	821	1028	821	377
165°	886	957	886	957	886	250
175°	921	928	921	928	921	87
180°	921	921	921	921	921	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6
2.5°	2144.7	2144.7	2156.8	2160.8	2160.8	2154.8	2148.8	2154.8	2172.9	2178.9	2176.9
5°	2136.7	2152.8	2174.9	2178.9	2183.0	2181.0	2176.9	2181.0	2201.1	2205.1	2207.1
7.5°	2120.6	2150.8	2178.9	2185.0	2191.0	2185.0	2183.0	2187.0	2207.1	2211.1	2211.1
10°	2100.5	2142.7	2174.9	2178.9	2185.0	2178.9	2178.9	2187.0	2207.1	2211.1	2213.2
12.5°	2072.3	2130.7	2160.8	2164.9	2172.9	2170.9	2168.9	2176.9	2197.1	2201.1	2201.1
15°	2040.1	2108.5	2136.7	2140.7	2154.8	2150.8	2150.8	2158.8	2181.0	2187.0	2185.0
17.5°	1995.9	2080.4	2112.6	2118.6	2128.7	2126.6	2128.7	2136.7	2156.8	2160.8	2162.9
20°	1945.6	2042.1	2080.4	2086.4	2096.5	2096.5	2096.5	2106.5	2126.6	2134.7	2134.7
22.5°	1877.2	2001.9	2042.1	2046.2	2058.2	2058.2	2062.3	2076.3	2094.4	2096.5	2096.5
25°	1796.7	1957.6	1991.8	2003.9	2016.0	2022.0	2028.1	2036.1	2042.1	2040.1	2042.1
27.5°	1712.2	1901.3	1945.6	1953.6	1969.7	1975.7	1983.8	1985.8	1987.8	1993.8	1989.8
30°	1617.6	1822.8	1889.2	1897.3	1923.4	1927.5	1919.4	1923.4	1933.5	1937.5	1941.5
32.5°	1511.0	1706.1	1830.9	1849.0	1873.1	1861.1	1859.0	1865.1	1881.2	1881.2	1885.2
35°	1366.1	1615.6	1776.6	1792.7	1810.8	1796.7	1804.7	1806.7	1816.8	1822.8	1820.8
37.5°	1207.2	1537.1	1720.2	1732.3	1746.4	1728.3	1740.3	1746.4	1754.4	1750.4	1750.4
40°	1066.3	1414.4	1653.8	1661.9	1673.9	1659.9	1671.9	1676.0	1680.0	1676.0	1673.9
42.5°	961.7	1279.6	1583.4	1593.5	1585.4	1595.5	1599.5	1607.6	1601.5	1593.5	1593.5
45°	881.2	1243.4	1507.0	1519.0	1507.0	1523.1	1529.1	1529.1	1511.0	1507.0	1504.9
47.5°	855.1	1171.0	1430.5	1430.5	1424.5	1444.6	1454.6	1440.6	1422.5	1416.4	1416.4
50°	853.1	1090.5	1325.9	1317.8	1346.0	1370.1	1360.1	1346.0	1331.9	1309.8	1309.8
52.5°	774.6	991.9	1191.1	1221.3	1265.5	1279.6	1263.5	1249.4	1225.3	1215.2	1207.2
55°	718.3	889.3	1068.3	1128.7	1175.0	1193.1	1162.9	1148.8	1112.6	1106.6	1102.6
57.5°	706.2	740.4	955.7	1032.1	1088.5	1086.5	1068.3	1042.2	1012.0	1006.0	1004.0
60°	647.9	535.2	835.0	925.5	983.8	977.8	961.7	937.6	909.4	905.4	901.4
62.5°	587.5	388.3	698.1	800.8	883.2	881.2	867.2	830.9	810.8	800.8	792.7
65°	499.0	325.9	497.0	666.0	784.7	788.7	758.5	732.4	710.2	698.1	696.1
67.5°	380.3	265.6	336.0	555.3	690.1	686.1	647.9	635.8	607.6	601.6	589.5
70°	281.7	177.1	233.4	450.7	597.6	587.5	557.3	543.2	517.1	503.0	494.9
72.5°	233.4	142.8	171.0	350.1	503.0	490.9	464.8	448.7	426.5	414.5	406.4
75°	189.1	150.9	130.8	259.5	408.4	400.4	376.2	360.1	342.0	325.9	327.9
77.5°	138.8	140.8	104.6	191.1	323.9	311.9	297.8	277.7	269.6	253.5	253.5
80°	104.6	110.7	78.5	130.8	233.4	233.4	221.3	207.2	193.1	185.1	185.1
82.5°	70.4	70.4	58.3	82.5	158.9	152.9	144.9	140.8	132.8	128.8	128.8
85°	32.2	40.2	36.2	50.3	86.5	90.5	90.5	86.5	84.5	80.5	82.5
87.5°	10.1	18.1	22.1	28.2	44.3	46.3	48.3	48.3	48.3	50.3	50.3
90°	6.2	11.1	16.1	17.3	27.2	40.4	47.0	41.8	31.3	23.5	23.5
92.5°	24.7	66.7	108.8	119.3	167.7	232.3	264.6	231.9	166.5	117.5	112.8
95°	59.4	136.3	213.3	232.5	412.8	653.3	773.5	690.2	523.7	398.8	384.6
97.5°	102.6	170.5	238.4	255.4	556.1	957.0	1157.5	1104.9	999.6	920.7	893.8
100°	136.0	197.6	259.1	274.5	608.2	1053.1	1275.6	1279.4	1287.1	1292.9	1260.8
102.5°	164.5	221.9	279.3	293.7	632.1	1083.4	1309.0	1376.0	1510.1	1610.7	1583.2
105°	212.7	261.3	309.9	322.1	649.8	1086.8	1305.3	1455.6	1756.2	1981.7	1966.9
107.5°	262.2	307.5	352.9	364.2	653.2	1038.5	1231.1	1440.8	1860.2	2174.7	2178.3
110°	295.6	336.5	377.5	387.7	648.2	995.6	1169.3	1403.7	1872.5	2224.1	2239.5



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	328.3	367.3	406.3	416.1	648.4	958.1	1113.0	1352.9	1832.7	2192.6	2216.2
115°	377.8	413.8	449.8	458.8	654.4	915.2	1045.6	1276.7	1738.9	2085.6	2118.4
117.5°	426.6	459.3	492.0	500.2	666.5	888.3	999.2	1207.8	1624.9	1937.8	1974.1
120°	455.1	485.9	516.6	524.3	676.4	879.3	980.7	1171.3	1552.4	1838.3	1873.6
122.5°	482.9	514.0	545.0	552.8	690.7	874.5	966.4	1138.0	1481.3	1738.7	1773.5
125°	525.6	553.9	582.2	589.3	709.9	870.6	951.0	1096.8	1388.3	1607.0	1639.1
127.5°	560.2	588.8	617.4	624.5	729.0	868.3	938.0	1063.2	1313.5	1501.3	1528.4
130°	578.8	609.6	640.3	648.0	743.0	869.7	933.1	1044.5	1267.4	1434.5	1459.5
132.5°	597.9	628.7	659.5	667.2	754.4	870.6	928.7	1028.5	1228.0	1377.6	1400.0
135°	626.4	654.4	682.4	689.4	766.7	869.8	921.3	1004.9	1172.0	1297.3	1316.6
137.5°	655.4	683.2	711.0	717.9	785.3	875.2	920.1	990.7	1132.0	1237.9	1253.7
140°	679.5	705.1	730.6	737.0	796.6	876.0	915.7	976.7	1098.8	1190.3	1205.1
142.5°	698.1	721.7	745.4	751.3	806.1	879.2	915.7	969.3	1076.5	1156.9	1169.6
145°	726.5	747.1	767.7	772.9	818.5	879.2	909.6	953.4	1041.1	1106.8	1116.4
147.5°	755.0	775.0	795.1	800.1	836.6	885.3	909.6	944.1	1013.1	1064.8	1072.8
150°	773.5	791.6	809.8	814.3	846.1	888.4	909.6	938.7	996.9	1040.6	1047.1
152.5°	792.7	806.4	820.2	823.6	852.3	890.5	909.6	934.5	984.2	1021.5	1026.4
155°	821.1	831.3	841.5	844.0	865.9	895.0	909.6	929.4	968.9	998.6	1001.8
157.5°	842.2	852.1	861.9	864.4	879.5	899.6	909.6	925.0	955.7	978.8	981.1
160°	856.4	864.1	871.8	873.7	885.7	901.6	909.6	922.8	949.1	968.9	970.2
162.5°	870.6	876.4	882.2	883.6	892.3	903.8	909.6	920.7	942.9	959.6	960.8
165°	886.1	891.3	896.5	897.8	901.7	907.0	909.6	917.6	933.5	945.4	946.7
167.5°	900.3	902.7	905.2	905.8	909.1	913.5	915.7	920.9	931.4	939.2	939.8
170°	909.6	912.0	914.5	915.1	915.3	915.6	915.7	920.9	931.4	939.2	939.2
172.5°	914.5	915.0	915.6	915.7	915.7	915.7	915.7	919.8	928.1	934.3	933.8
175°	921.3	921.3	921.3	921.3	919.4	916.9	915.7	918.3	923.6	927.5	927.5
177.5°	921.3	921.3	921.3	921.3	919.9	918.0	917.0	919.1	923.2	926.3	925.7
180°	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6
2.5°	2181.0	2174.9	2181.0	2176.9	2178.9	2172.9	2154.8	2148.8	2154.8	2160.8	2160.8
5°	2207.1	2203.1	2207.1	2207.1	2205.1	2201.1	2181.0	2176.9	2181.0	2183.0	2178.9
7.5°	2215.2	2209.1	2215.2	2211.1	2211.1	2207.1	2187.0	2183.0	2185.0	2191.0	2185.0
10°	2215.2	2209.1	2215.2	2213.2	2211.1	2207.1	2187.0	2178.9	2178.9	2185.0	2178.9
12.5°	2205.1	2201.1	2205.1	2201.1	2201.1	2197.1	2176.9	2168.9	2170.9	2172.9	2164.9
15°	2189.0	2183.0	2189.0	2185.0	2187.0	2181.0	2158.8	2150.8	2150.8	2154.8	2140.7
17.5°	2164.9	2156.8	2164.9	2162.9	2160.8	2156.8	2136.7	2128.7	2126.6	2128.7	2118.6
20°	2136.7	2130.7	2136.7	2134.7	2134.7	2126.6	2106.5	2096.5	2096.5	2096.5	2086.4
22.5°	2092.4	2086.4	2092.4	2096.5	2096.5	2094.4	2076.3	2062.3	2058.2	2058.2	2046.2
25°	2042.1	2036.1	2042.1	2042.1	2040.1	2042.1	2036.1	2028.1	2022.0	2016.0	2003.9
27.5°	1993.8	1989.8	1993.8	1989.8	1993.8	1987.8	1985.8	1983.8	1975.7	1969.7	1953.6
30°	1945.6	1941.5	1945.6	1941.5	1937.5	1933.5	1923.4	1919.4	1927.5	1923.4	1897.3
32.5°	1885.2	1881.2	1885.2	1885.2	1881.2	1881.2	1865.1	1859.0	1861.1	1873.1	1849.0
35°	1822.8	1816.8	1822.8	1820.8	1822.8	1816.8	1806.7	1804.7	1796.7	1810.8	1792.7
37.5°	1750.4	1744.4	1750.4	1750.4	1750.4	1754.4	1746.4	1740.3	1728.3	1746.4	1732.3
40°	1676.0	1667.9	1676.0	1673.9	1676.0	1680.0	1676.0	1671.9	1659.9	1673.9	1661.9
42.5°	1591.5	1589.4	1591.5	1593.5	1593.5	1601.5	1607.6	1599.5	1595.5	1585.4	1593.5
45°	1500.9	1496.9	1500.9	1504.9	1507.0	1511.0	1529.1	1529.1	1523.1	1507.0	1519.0
47.5°	1404.3	1394.3	1404.3	1416.4	1416.4	1422.5	1440.6	1454.6	1444.6	1424.5	1430.5
50°	1301.7	1303.7	1301.7	1309.8	1309.8	1331.9	1346.0	1360.1	1370.1	1346.0	1317.8
52.5°	1201.1	1199.1	1201.1	1207.2	1215.2	1225.3	1249.4	1263.5	1279.6	1265.5	1221.3
55°	1100.5	1104.6	1100.5	1102.6	1106.6	1112.6	1148.8	1162.9	1193.1	1175.0	1128.7
57.5°	999.9	993.9	999.9	1004.0	1006.0	1012.0	1042.2	1068.3	1086.5	1088.5	1032.1
60°	883.2	875.2	883.2	901.4	905.4	909.4	937.6	961.7	977.8	983.8	925.5
62.5°	780.6	766.6	780.6	792.7	800.8	810.8	830.9	867.2	881.2	883.2	800.8
65°	672.0	666.0	672.0	696.1	698.1	710.2	732.4	758.5	788.7	784.7	666.0
67.5°	573.4	573.4	573.4	589.5	601.6	607.6	635.8	647.9	686.1	690.1	555.3
70°	482.9	480.9	482.9	494.9	503.0	517.1	543.2	557.3	587.5	597.6	450.7
72.5°	396.4	394.3	396.4	406.4	414.5	426.5	448.7	464.8	490.9	503.0	350.1
75°	319.9	315.9	319.9	327.9	325.9	342.0	360.1	376.2	400.4	408.4	259.5
77.5°	245.5	245.5	245.5	253.5	253.5	269.6	277.7	297.8	311.9	323.9	191.1
80°	183.1	181.1	183.1	185.1	185.1	193.1	207.2	221.3	233.4	233.4	130.8
82.5°	128.8	124.7	128.8	128.8	128.8	132.8	140.8	144.9	152.9	158.9	82.5
85°	80.5	80.5	80.5	82.5	80.5	84.5	86.5	90.5	90.5	86.5	50.3
87.5°	52.3	50.3	52.3	50.3	50.3	48.3	48.3	48.3	46.3	44.3	28.2
90°	23.5	23.5	23.5	23.5	23.5	31.3	41.8	47.0	40.4	27.2	17.3
92.5°	94.1	75.4	94.1	112.8	117.5	166.5	231.9	264.6	232.3	167.7	119.3
95°	328.0	271.4	328.0	384.6	398.8	523.7	690.2	773.5	653.3	412.8	232.5
97.5°	786.0	678.3	786.0	893.8	920.7	999.6	1104.9	1157.5	957.0	556.1	255.4
100°	1132.5	1004.2	1132.5	1260.8	1292.9	1287.1	1279.4	1275.6	1053.1	608.2	274.5
102.5°	1473.3	1363.4	1473.3	1583.2	1610.7	1510.1	1376.0	1309.0	1083.4	632.1	293.7
105°	1907.9	1848.8	1907.9	1966.9	1981.7	1756.2	1455.6	1305.3	1086.8	649.8	322.1
107.5°	2192.5	2206.8	2192.5	2178.3	2174.7	1860.2	1440.8	1231.1	1038.5	653.2	364.2
110°	2301.0	2362.6	2301.0	2239.5	2224.1	1872.5	1403.7	1169.3	995.6	648.2	387.7





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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2310.8	2405.3	2310.8	2216.2	2192.6	1832.7	1352.9	1113.0	958.1	648.4	416.1
115°	2249.5	2380.6	2249.5	2118.4	2085.6	1738.9	1276.7	1045.6	915.2	654.4	458.8
117.5°	2119.5	2264.9	2119.5	1974.1	1937.8	1624.9	1207.8	999.2	888.3	666.5	500.2
120°	2014.9	2156.1	2014.9	1873.6	1838.3	1552.4	1171.3	980.7	879.3	676.4	524.3
122.5°	1912.9	2052.2	1912.9	1773.5	1738.7	1481.3	1138.0	966.4	874.5	690.7	552.8
125°	1767.4	1895.8	1767.4	1639.1	1607.0	1388.3	1096.8	951.0	870.6	709.9	589.3
127.5°	1636.6	1744.9	1636.6	1528.4	1501.3	1313.5	1063.2	938.0	868.3	729.0	624.5
130°	1559.6	1659.6	1559.6	1459.5	1434.5	1267.4	1044.5	933.1	869.7	743.0	648.0
132.5°	1489.6	1579.2	1489.6	1400.0	1377.6	1228.0	1028.5	928.7	870.6	754.4	667.2
135°	1393.8	1471.0	1393.8	1316.6	1297.3	1172.0	1004.9	921.3	869.8	766.7	689.4
137.5°	1316.9	1380.1	1316.9	1253.7	1237.9	1132.0	990.7	920.1	875.2	785.3	717.9
140°	1264.1	1323.2	1264.1	1205.1	1190.3	1098.8	976.7	915.7	876.0	796.6	737.0
142.5°	1220.5	1271.3	1220.5	1169.6	1156.9	1076.5	969.3	915.7	879.2	806.1	751.3
145°	1154.9	1193.4	1154.9	1116.4	1106.8	1041.1	953.4	909.6	879.2	818.5	772.9
147.5°	1104.6	1136.5	1104.6	1072.8	1064.8	1013.1	944.1	909.6	885.3	836.6	800.1
150°	1072.9	1098.8	1072.9	1047.1	1040.6	996.9	938.7	909.6	888.4	846.1	814.3
152.5°	1045.9	1065.4	1045.9	1026.4	1021.5	984.2	934.5	909.6	890.5	852.3	823.6
155°	1014.8	1027.7	1014.8	1001.8	998.6	968.9	929.4	909.6	895.0	865.9	844.0
157.5°	990.1	999.2	990.1	981.1	978.8	955.7	925.0	909.6	899.6	879.5	864.4
160°	975.5	980.7	975.5	970.2	968.9	949.1	922.8	909.6	901.6	885.7	873.7
162.5°	965.8	970.8	965.8	960.8	959.6	942.9	920.7	909.6	903.8	892.3	883.6
165°	952.0	957.2	952.0	946.7	945.4	933.5	917.6	909.6	907.0	901.7	897.8
167.5°	942.0	944.2	942.0	939.8	939.2	931.4	920.9	915.7	913.5	909.1	905.8
170°	939.2	939.2	939.2	939.2	939.2	931.4	920.9	915.7	915.6	915.3	915.1
172.5°	931.9	930.0	931.9	933.8	934.3	928.1	919.8	915.7	915.7	915.7	915.7
175°	927.5	927.5	927.5	927.5	927.5	923.6	918.3	915.7	916.9	919.4	921.3
177.5°	923.5	921.3	923.5	925.7	926.3	923.2	919.1	917.0	918.0	919.9	921.3
180°	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6
2.5°	2156.8	2144.7	2144.7	2124.6	2116.6	2110.5	2100.5	2070.3	2062.3	2054.2	2066.3
5°	2174.9	2152.8	2136.7	2100.5	2070.3	2058.2	2020.0	1947.6	1899.3	1863.1	1843.0
7.5°	2178.9	2150.8	2120.6	2064.3	1991.8	1959.6	1843.0	1710.2	1673.9	1641.8	1621.6
10°	2174.9	2142.7	2100.5	2016.0	1845.0	1788.6	1671.9	1585.4	1563.3	1557.3	1563.3
12.5°	2160.8	2130.7	2072.3	1931.5	1692.1	1653.8	1585.4	1535.1	1531.1	1541.2	1595.5
15°	2136.7	2108.5	2040.1	1818.8	1607.6	1579.4	1531.1	1513.0	1535.1	1605.5	1768.5
17.5°	2112.6	2080.4	1995.9	1708.2	1543.2	1523.1	1488.8	1525.1	1649.8	1744.4	1798.7
20°	2080.4	2042.1	1945.6	1627.7	1496.9	1478.8	1462.7	1625.7	1720.2	1754.4	1784.6
22.5°	2042.1	2001.9	1877.2	1571.3	1448.6	1434.5	1444.6	1682.0	1720.2	1744.4	1770.5
25°	1991.8	1957.6	1796.7	1527.1	1410.4	1394.3	1432.5	1676.0	1698.1	1704.1	1756.4
27.5°	1945.6	1901.3	1712.2	1486.8	1364.1	1358.1	1442.6	1649.8	1665.9	1671.9	1728.3
30°	1889.2	1822.8	1617.6	1444.6	1315.8	1313.8	1444.6	1617.6	1613.6	1629.7	1686.0
32.5°	1830.9	1706.1	1511.0	1392.3	1269.5	1267.5	1430.5	1569.3	1565.3	1587.4	1629.7
35°	1776.6	1615.6	1366.1	1331.9	1211.2	1213.2	1396.3	1513.0	1515.0	1535.1	1561.3
37.5°	1720.2	1537.1	1207.2	1265.5	1154.9	1154.9	1350.0	1460.7	1456.7	1462.7	1498.9
40°	1653.8	1414.4	1066.3	1179.0	1102.6	1096.5	1293.7	1404.3	1390.3	1388.3	1438.5
42.5°	1583.4	1279.6	961.7	1064.3	1042.2	1034.1	1225.3	1335.9	1309.8	1315.8	1380.2
45°	1507.0	1243.4	881.2	899.3	979.8	973.8	1150.8	1257.5	1239.4	1255.5	1321.9
47.5°	1430.5	1171.0	855.1	746.4	913.4	911.4	1068.3	1181.0	1171.0	1187.1	1257.5
50°	1325.9	1090.5	853.1	639.8	839.0	847.0	969.8	1106.6	1106.6	1120.7	1195.1
52.5°	1191.1	991.9	774.6	579.4	752.5	776.6	883.2	1042.2	1046.2	1060.3	1126.7
55°	1068.3	889.3	718.3	533.2	649.9	702.2	798.7	975.8	983.8	997.9	1058.3
57.5°	955.7	740.4	706.2	478.8	555.3	605.6	724.3	911.4	915.4	927.5	985.9
60°	835.0	535.2	647.9	420.5	472.8	511.0	655.9	835.0	849.0	857.1	907.4
62.5°	698.1	388.3	587.5	380.3	432.6	440.6	599.6	762.5	780.6	786.7	816.9
65°	497.0	325.9	499.0	346.1	390.3	392.3	539.2	688.1	704.2	714.2	736.4
67.5°	336.0	265.6	380.3	313.9	358.1	360.1	480.9	601.6	623.7	631.8	645.8
70°	233.4	177.1	281.7	279.7	321.9	325.9	418.5	523.1	543.2	549.3	557.3
72.5°	171.0	142.8	233.4	251.5	283.7	287.7	354.1	434.6	454.7	460.7	464.8
75°	130.8	150.9	189.1	219.3	241.4	243.4	289.7	354.1	368.2	372.2	374.2
77.5°	104.6	140.8	138.8	177.1	197.2	193.1	227.4	273.6	285.7	285.7	285.7
80°	78.5	110.7	104.6	126.8	144.9	140.8	163.0	195.2	199.2	203.2	201.2
82.5°	58.3	70.4	70.4	80.5	96.6	92.6	108.6	126.8	126.8	126.8	130.8
85°	36.2	40.2	32.2	42.3	54.3	52.3	60.4	68.4	70.4	70.4	66.4
87.5°	22.1	18.1	10.1	16.1	24.1	24.1	28.2	30.2	28.2	28.2	28.2
90°	16.1	11.1	6.2	11.1	16.1	17.3	27.2	40.4	47.0	41.8	31.3
92.5°	108.8	66.7	24.7	66.7	108.8	119.3	167.7	232.3	264.6	231.9	166.5
95°	213.3	136.3	59.4	136.3	213.3	232.5	412.8	653.3	773.5	690.2	523.7
97.5°	238.4	170.5	102.6	170.5	238.4	255.4	556.1	957.0	1157.5	1104.9	999.6
100°	259.1	197.6	136.0	197.6	259.1	274.5	608.2	1053.1	1275.6	1279.4	1287.1
102.5°	279.3	221.9	164.5	221.9	279.3	293.7	632.1	1083.4	1309.0	1376.0	1510.1
105°	309.9	261.3	212.7	261.3	309.9	322.1	649.8	1086.8	1305.3	1455.6	1756.2
107.5°	352.9	307.5	262.2	307.5	352.9	364.2	653.2	1038.5	1231.1	1440.8	1860.2
110°	377.5	336.5	295.6	336.5	377.5	387.7	648.2	995.6	1169.3	1403.7	1872.5



TEST NUMBER: P934213

CATALOG NUMBER: SQ4-FA-050U-050D-835-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	406.3	367.3	328.3	367.3	406.3	416.1	648.4	958.1	1113.0	1352.9	1832.7
115°	449.8	413.8	377.8	413.8	449.8	458.8	654.4	915.2	1045.6	1276.7	1738.9
117.5°	492.0	459.3	426.6	459.3	492.0	500.2	666.5	888.3	999.2	1207.8	1624.9
120°	516.6	485.9	455.1	485.9	516.6	524.3	676.4	879.3	980.7	1171.3	1552.4
122.5°	545.0	514.0	482.9	514.0	545.0	552.8	690.7	874.5	966.4	1138.0	1481.3
125°	582.2	553.9	525.6	553.9	582.2	589.3	709.9	870.6	951.0	1096.8	1388.3
127.5°	617.4	588.8	560.2	588.8	617.4	624.5	729.0	868.3	938.0	1063.2	1313.5
130°	640.3	609.6	578.8	609.6	640.3	648.0	743.0	869.7	933.1	1044.5	1267.4
132.5°	659.5	628.7	597.9	628.7	659.5	667.2	754.4	870.6	928.7	1028.5	1228.0
135°	682.4	654.4	626.4	654.4	682.4	689.4	766.7	869.8	921.3	1004.9	1172.0
137.5°	711.0	683.2	655.4	683.2	711.0	717.9	785.3	875.2	920.1	990.7	1132.0
140°	730.6	705.1	679.5	705.1	730.6	737.0	796.6	876.0	915.7	976.7	1098.8
142.5°	745.4	721.7	698.1	721.7	745.4	751.3	806.1	879.2	915.7	969.3	1076.5
145°	767.7	747.1	726.5	747.1	767.7	772.9	818.5	879.2	909.6	953.4	1041.1
147.5°	795.1	775.0	755.0	775.0	795.1	800.1	836.6	885.3	909.6	944.1	1013.1
150°	809.8	791.6	773.5	791.6	809.8	814.3	846.1	888.4	909.6	938.7	996.9
152.5°	820.2	806.4	792.7	806.4	820.2	823.6	852.3	890.5	909.6	934.5	984.2
155°	841.5	831.3	821.1	831.3	841.5	844.0	865.9	895.0	909.6	929.4	968.9
157.5°	861.9	852.1	842.2	852.1	861.9	864.4	879.5	899.6	909.6	925.0	955.7
160°	871.8	864.1	856.4	864.1	871.8	873.7	885.7	901.6	909.6	922.8	949.1
162.5°	882.2	876.4	870.6	876.4	882.2	883.6	892.3	903.8	909.6	920.7	942.9
165°	896.5	891.3	886.1	891.3	896.5	897.8	901.7	907.0	909.6	917.6	933.5
167.5°	905.2	902.7	900.3	902.7	905.2	905.8	909.1	913.5	915.7	920.9	931.4
170°	914.5	912.0	909.6	912.0	914.5	915.1	915.3	915.6	915.7	920.9	931.4
172.5°	915.6	915.0	914.5	915.0	915.6	915.7	915.7	915.7	915.7	919.8	928.1
175°	921.3	921.3	921.3	921.3	921.3	921.3	919.4	916.9	915.7	918.3	923.6
177.5°	921.3	921.3	921.3	921.3	921.3	921.3	919.9	918.0	917.0	919.1	923.2
180°	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3



TEST NUMBER: P934213  
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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6
2.5°	2052.2	2046.2	2054.2	2032.1	2054.2	2046.2	2052.2	2066.3	2054.2	2062.3	2070.3
5°	1800.7	1790.6	1758.5	1732.3	1758.5	1790.6	1800.7	1843.0	1863.1	1899.3	1947.6
7.5°	1609.6	1601.5	1593.5	1577.4	1593.5	1601.5	1609.6	1621.6	1641.8	1673.9	1710.2
10°	1567.3	1569.3	1581.4	1579.4	1581.4	1569.3	1567.3	1563.3	1557.3	1563.3	1585.4
12.5°	1676.0	1694.1	1760.5	1756.4	1760.5	1694.1	1676.0	1595.5	1541.2	1531.1	1535.1
15°	1800.7	1806.7	1820.8	1822.8	1820.8	1806.7	1800.7	1768.5	1605.5	1535.1	1513.0
17.5°	1812.8	1814.8	1824.8	1824.8	1824.8	1814.8	1812.8	1798.7	1744.4	1649.8	1525.1
20°	1802.7	1806.7	1826.9	1830.9	1826.9	1806.7	1802.7	1784.6	1754.4	1720.2	1625.7
22.5°	1798.7	1806.7	1822.8	1820.8	1822.8	1806.7	1798.7	1770.5	1744.4	1720.2	1682.0
25°	1778.6	1778.6	1780.6	1782.6	1780.6	1778.6	1778.6	1756.4	1704.1	1698.1	1676.0
27.5°	1736.3	1740.3	1752.4	1750.4	1752.4	1740.3	1736.3	1728.3	1671.9	1665.9	1649.8
30°	1698.1	1694.1	1684.0	1676.0	1684.0	1694.1	1698.1	1686.0	1629.7	1613.6	1617.6
32.5°	1633.7	1623.6	1613.6	1607.6	1613.6	1623.6	1633.7	1629.7	1587.4	1565.3	1569.3
35°	1557.3	1559.3	1557.3	1551.2	1557.3	1559.3	1557.3	1561.3	1535.1	1515.0	1513.0
37.5°	1502.9	1507.0	1504.9	1496.9	1504.9	1507.0	1502.9	1498.9	1462.7	1456.7	1460.7
40°	1446.6	1448.6	1446.6	1440.6	1446.6	1448.6	1446.6	1438.5	1388.3	1390.3	1404.3
42.5°	1392.3	1390.3	1384.2	1380.2	1384.2	1390.3	1392.3	1380.2	1315.8	1309.8	1335.9
45°	1329.9	1331.9	1319.8	1313.8	1319.8	1331.9	1329.9	1321.9	1255.5	1239.4	1257.5
47.5°	1267.5	1267.5	1257.5	1251.4	1257.5	1267.5	1267.5	1257.5	1187.1	1171.0	1181.0
50°	1201.1	1199.1	1185.0	1183.0	1185.0	1199.1	1201.1	1195.1	1120.7	1106.6	1106.6
52.5°	1124.7	1124.7	1126.7	1130.7	1126.7	1124.7	1124.7	1126.7	1060.3	1046.2	1042.2
55°	1058.3	1060.3	1074.4	1078.4	1074.4	1060.3	1058.3	1058.3	997.9	983.8	975.8
57.5°	989.9	989.9	999.9	999.9	999.9	989.9	989.9	985.9	927.5	915.4	911.4
60°	911.4	915.4	923.5	921.5	923.5	915.4	911.4	907.4	857.1	849.0	835.0
62.5°	828.9	833.0	835.0	830.9	835.0	833.0	828.9	816.9	786.7	780.6	762.5
65°	742.4	746.4	748.4	744.4	748.4	746.4	742.4	736.4	714.2	704.2	688.1
67.5°	653.9	651.9	649.9	657.9	649.9	651.9	653.9	645.8	631.8	623.7	601.6
70°	563.3	563.3	561.3	565.4	561.3	563.3	563.3	557.3	549.3	543.2	523.1
72.5°	466.8	464.8	472.8	466.8	472.8	464.8	466.8	464.8	460.7	454.7	434.6
75°	372.2	376.2	372.2	378.2	372.2	376.2	372.2	374.2	372.2	368.2	354.1
77.5°	283.7	287.7	283.7	283.7	283.7	287.7	283.7	285.7	285.7	285.7	273.6
80°	201.2	199.2	199.2	197.2	199.2	199.2	201.2	201.2	203.2	199.2	195.2
82.5°	128.8	126.8	126.8	130.8	126.8	126.8	128.8	130.8	126.8	126.8	126.8
85°	70.4	72.4	68.4	68.4	68.4	72.4	70.4	66.4	70.4	70.4	68.4
87.5°	26.2	24.1	24.1	24.1	24.1	24.1	26.2	28.2	28.2	28.2	30.2
90°	23.5	23.5	23.5	23.5	23.5	23.5	23.5	31.3	41.8	47.0	40.4
92.5°	117.5	112.8	94.1	75.4	94.1	112.8	117.5	166.5	231.9	264.6	232.3
95°	398.8	384.6	328.0	271.4	328.0	384.6	398.8	523.7	690.2	773.5	653.3
97.5°	920.7	893.8	786.0	678.3	786.0	893.8	920.7	999.6	1104.9	1157.5	957.0
100°	1292.9	1260.8	1132.5	1004.2	1132.5	1260.8	1292.9	1287.1	1279.4	1275.6	1053.1
102.5°	1610.7	1583.2	1473.3	1363.4	1473.3	1583.2	1610.7	1510.1	1376.0	1309.0	1083.4
105°	1981.7	1966.9	1907.9	1848.8	1907.9	1966.9	1981.7	1756.2	1455.6	1305.3	1086.8
107.5°	2174.7	2178.3	2192.5	2206.8	2192.5	2178.3	2174.7	1860.2	1440.8	1231.1	1038.5
110°	2224.1	2239.5	2301.0	2362.6	2301.0	2239.5	2224.1	1872.5	1403.7	1169.3	995.6



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2192.6	2216.2	2310.8	2405.3	2310.8	2216.2	2192.6	1832.7	1352.9	1113.0	958.1
115°	2085.6	2118.4	2249.5	2380.6	2249.5	2118.4	2085.6	1738.9	1276.7	1045.6	915.2
117.5°	1937.8	1974.1	2119.5	2264.9	2119.5	1974.1	1937.8	1624.9	1207.8	999.2	888.3
120°	1838.3	1873.6	2014.9	2156.1	2014.9	1873.6	1838.3	1552.4	1171.3	980.7	879.3
122.5°	1738.7	1773.5	1912.9	2052.2	1912.9	1773.5	1738.7	1481.3	1138.0	966.4	874.5
125°	1607.0	1639.1	1767.4	1895.8	1767.4	1639.1	1607.0	1388.3	1096.8	951.0	870.6
127.5°	1501.3	1528.4	1636.6	1744.9	1636.6	1528.4	1501.3	1313.5	1063.2	938.0	868.3
130°	1434.5	1459.5	1559.6	1659.6	1559.6	1459.5	1434.5	1267.4	1044.5	933.1	869.7
132.5°	1377.6	1400.0	1489.6	1579.2	1489.6	1400.0	1377.6	1228.0	1028.5	928.7	870.6
135°	1297.3	1316.6	1393.8	1471.0	1393.8	1316.6	1297.3	1172.0	1004.9	921.3	869.8
137.5°	1237.9	1253.7	1316.9	1380.1	1316.9	1253.7	1237.9	1132.0	990.7	920.1	875.2
140°	1190.3	1205.1	1264.1	1323.2	1264.1	1205.1	1190.3	1098.8	976.7	915.7	876.0
142.5°	1156.9	1169.6	1220.5	1271.3	1220.5	1169.6	1156.9	1076.5	969.3	915.7	879.2
145°	1106.8	1116.4	1154.9	1193.4	1154.9	1116.4	1106.8	1041.1	953.4	909.6	879.2
147.5°	1064.8	1072.8	1104.6	1136.5	1104.6	1072.8	1064.8	1013.1	944.1	909.6	885.3
150°	1040.6	1047.1	1072.9	1098.8	1072.9	1047.1	1040.6	996.9	938.7	909.6	888.4
152.5°	1021.5	1026.4	1045.9	1065.4	1045.9	1026.4	1021.5	984.2	934.5	909.6	890.5
155°	998.6	1001.8	1014.8	1027.7	1014.8	1001.8	998.6	968.9	929.4	909.6	895.0
157.5°	978.8	981.1	990.1	999.2	990.1	981.1	978.8	955.7	925.0	909.6	899.6
160°	968.9	970.2	975.5	980.7	975.5	970.2	968.9	949.1	922.8	909.6	901.6
162.5°	959.6	960.8	965.8	970.8	965.8	960.8	959.6	942.9	920.7	909.6	903.8
165°	945.4	946.7	952.0	957.2	952.0	946.7	945.4	933.5	917.6	909.6	907.0
167.5°	939.2	939.8	942.0	944.2	942.0	939.8	939.2	931.4	920.9	915.7	913.5
170°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	931.4	920.9	915.7	915.6
172.5°	934.3	933.8	931.9	930.0	931.9	933.8	934.3	928.1	919.8	915.7	915.7
175°	927.5	927.5	927.5	927.5	927.5	927.5	927.5	923.6	918.3	915.7	916.9
177.5°	926.3	925.7	923.5	921.3	923.5	925.7	926.3	923.2	919.1	917.0	918.0
180°	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2126.6	2126.6	2126.6	2126.6	2126.6
2.5°	2100.5	2110.5	2116.6	2124.6	2144.7
5°	2020.0	2058.2	2070.3	2100.5	2136.7
7.5°	1843.0	1959.6	1991.8	2064.3	2120.6
10°	1671.9	1788.6	1845.0	2016.0	2100.5
12.5°	1585.4	1653.8	1692.1	1931.5	2072.3
15°	1531.1	1579.4	1607.6	1818.8	2040.1
17.5°	1488.8	1523.1	1543.2	1708.2	1995.9
20°	1462.7	1478.8	1496.9	1627.7	1945.6
22.5°	1444.6	1434.5	1448.6	1571.3	1877.2
25°	1432.5	1394.3	1410.4	1527.1	1796.7
27.5°	1442.6	1358.1	1364.1	1486.8	1712.2
30°	1444.6	1313.8	1315.8	1444.6	1617.6
32.5°	1430.5	1267.5	1269.5	1392.3	1511.0
35°	1396.3	1213.2	1211.2	1331.9	1366.1
37.5°	1350.0	1154.9	1154.9	1265.5	1207.2
40°	1293.7	1096.5	1102.6	1179.0	1066.3
42.5°	1225.3	1034.1	1042.2	1064.3	961.7
45°	1150.8	973.8	979.8	899.3	881.2
47.5°	1068.3	911.4	913.4	746.4	855.1
50°	969.8	847.0	839.0	639.8	853.1
52.5°	883.2	776.6	752.5	579.4	774.6
55°	798.7	702.2	649.9	533.2	718.3
57.5°	724.3	605.6	555.3	478.8	706.2
60°	655.9	511.0	472.8	420.5	647.9
62.5°	599.6	440.6	432.6	380.3	587.5
65°	539.2	392.3	390.3	346.1	499.0
67.5°	480.9	360.1	358.1	313.9	380.3
70°	418.5	325.9	321.9	279.7	281.7
72.5°	354.1	287.7	283.7	251.5	233.4
75°	289.7	243.4	241.4	219.3	189.1
77.5°	227.4	193.1	197.2	177.1	138.8
80°	163.0	140.8	144.9	126.8	104.6
82.5°	108.6	92.6	96.6	80.5	70.4
85°	60.4	52.3	54.3	42.3	32.2
87.5°	28.2	24.1	24.1	16.1	10.1
90°	27.2	17.3	16.1	11.1	6.2
92.5°	167.7	119.3	108.8	66.7	24.7
95°	412.8	232.5	213.3	136.3	59.4
97.5°	556.1	255.4	238.4	170.5	102.6
100°	608.2	274.5	259.1	197.6	136.0
102.5°	632.1	293.7	279.3	221.9	164.5
105°	649.8	322.1	309.9	261.3	212.7
107.5°	653.2	364.2	352.9	307.5	262.2
110°	648.2	387.7	377.5	336.5	295.6



TEST NUMBER: P934213

CATALOG NUMBER: SQ4-FA-050U-050D-835-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	648.4	416.1	406.3	367.3	328.3
115°	654.4	458.8	449.8	413.8	377.8
117.5°	666.5	500.2	492.0	459.3	426.6
120°	676.4	524.3	516.6	485.9	455.1
122.5°	690.7	552.8	545.0	514.0	482.9
125°	709.9	589.3	582.2	553.9	525.6
127.5°	729.0	624.5	617.4	588.8	560.2
130°	743.0	648.0	640.3	609.6	578.8
132.5°	754.4	667.2	659.5	628.7	597.9
135°	766.7	689.4	682.4	654.4	626.4
137.5°	785.3	717.9	711.0	683.2	655.4
140°	796.6	737.0	730.6	705.1	679.5
142.5°	806.1	751.3	745.4	721.7	698.1
145°	818.5	772.9	767.7	747.1	726.5
147.5°	836.6	800.1	795.1	775.0	755.0
150°	846.1	814.3	809.8	791.6	773.5
152.5°	852.3	823.6	820.2	806.4	792.7
155°	865.9	844.0	841.5	831.3	821.1
157.5°	879.5	864.4	861.9	852.1	842.2
160°	885.7	873.7	871.8	864.1	856.4
162.5°	892.3	883.6	882.2	876.4	870.6
165°	901.7	897.8	896.5	891.3	886.1
167.5°	909.1	905.8	905.2	902.7	900.3
170°	915.3	915.1	914.5	912.0	909.6
172.5°	915.7	915.7	915.6	915.0	914.5
175°	919.4	921.3	921.3	921.3	921.3
177.5°	919.9	921.3	921.3	921.3	921.3
180°	921.3	921.3	921.3	921.3	921.3



TEST NUMBER: P934213  
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**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	11.17	12.01	12.14	13.00	14.30	14.02	14.87	15.00	15.85	17.15
	3H	11.65	12.40	12.63	13.40	14.72	15.37	16.13	16.36	17.13	18.45
	4H	11.84	12.55	12.83	13.55	14.88	15.82	16.54	16.82	17.54	18.87
	6H	11.95	12.61	12.96	13.62	14.96	16.11	16.77	17.12	17.77	19.12
	8H	11.96	12.58	12.97	13.60	14.94	16.19	16.81	17.20	17.84	19.17
	12H	11.93	12.52	12.95	13.54	14.90	16.23	16.82	17.25	17.84	19.20
4H	2H	12.21	12.92	13.21	13.92	15.25	14.43	15.14	15.43	16.14	17.47
	3H	13.23	13.83	14.25	14.86	16.20	15.94	16.54	16.95	17.56	18.91
	4H	13.51	14.05	14.53	15.07	16.44	16.47	17.02	17.49	18.04	19.40
	6H	13.63	14.10	14.66	15.15	16.51	16.84	17.31	17.87	18.35	19.72
	8H	13.64	14.07	14.67	15.11	16.49	16.95	17.39	17.98	18.43	19.80
	12H	13.60	14.00	14.65	15.05	16.43	17.01	17.41	18.06	18.46	19.84
8H	4H	13.96	14.40	15.00	15.44	16.82	16.59	17.03	17.63	18.07	19.45
	6H	14.22	14.59	15.28	15.67	17.04	17.03	17.40	18.09	18.48	19.85
	8H	14.27	14.58	15.33	15.65	17.04	17.19	17.51	18.25	18.57	19.97
	12H	14.25	14.53	15.32	15.59	17.02	17.29	17.57	18.36	18.63	20.07
12H	4H	13.97	14.36	15.02	15.42	16.80	16.56	16.95	17.61	18.00	19.39
	6H	14.29	14.60	15.35	15.67	17.06	17.03	17.35	18.10	18.41	19.81
	8H	14.35	14.63	15.42	15.69	17.13	17.20	17.48	18.26	18.53	19.97