

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: P934776

Luminaire Tested: SQ4-FA-075U-075D-940-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934776
REPORT IS A COMBINATION OF REPORTS P933712 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-075D-940-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

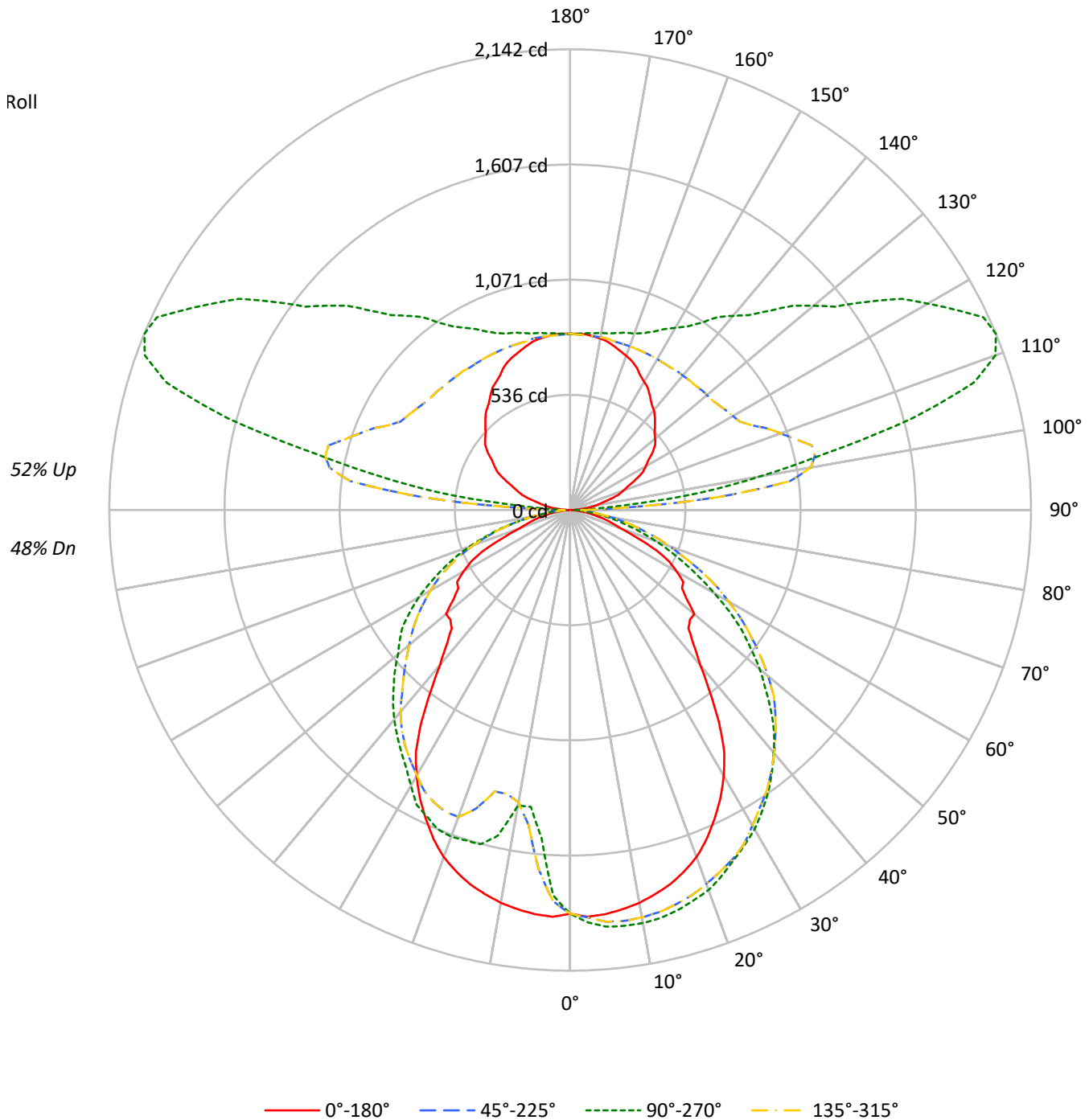
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10188.1 lumens
Efficiency: N/A
Efficacy: 120.1 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): 84.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10		0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48	48	
1	97	93	89	86	89	86	82	79	72	70	68	60	58	56	48	47	46	40	40	
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	40	39	34	34	
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	29	29	
4	74	63	55	49	68	58	52	46	49	44	40	41	37	34	33	31	28	25	25	
5	68	56	48	42	62	52	45	40	44	39	34	37	33	29	30	27	25	21	21	
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19	19	
7	58	45	38	32	53	42	35	30	36	30	26	30	26	23	25	22	19	17	17	
8	54	41	33	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15	15	
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13	13	
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12	12	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8709	8709	8709	8709
5°	8774	8791	8774	6913
10°	8716	8660	8716	6191
15°	8621	8473	8621	7075
20°	8441	8250	8441	7090
25°	8072	7926	8072	6939
30°	7594	7657	7594	6609
35°	6770	7316	6770	6247
40°	5642	6916	5642	5973
45°	5041	6447	5041	5658
50°	5355	5887	5355	5342
55°	5038	5284	5038	5159
60°	5194	4488	5194	4725
65°	4709	3710	4709	4147
70°	3260	2957	3260	3477
75°	2859	2185	2859	2617
80°	2305	1445	2305	1573
85°	1323	765	1323	651

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7725 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.4	1.7
10°-20°	481.1	4.7
20°-30°	743.7	7.3
30°-40°	887.8	8.7
40°-50°	893.0	8.8
50°-60°	777.1	7.6
60°-70°	551.0	5.4
70°-80°	291.5	2.9
80°-90°	75.7	0.7
90°-100°	399.9	3.9
100°-110°	1051.3	10.3
110°-120°	1090.0	10.7
120°-130°	874.3	8.6
130°-140°	686.1	6.7
140°-150°	526.6	5.2
150°-160°	379.2	3.7
160°-170°	232.0	2.3
170°-180°	78.4	0.8
0°-30°	1394.2	13.7
0°-40°	2282.0	22.4
0°-60°	3952.1	38.8
0°-90°	4870.3	47.8
90°-120°	2541.2	24.9
90°-150°	4628.1	45.4
90°-180°	5318.0	52.2
0°-180°	10188.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1877	1877	1877	1877	1877	
5°	1886	1945	1886	1529	1886	179
15°	1801	1927	1801	1609	1801	507
25°	1586	1797	1586	1573	1586	728
35°	1206	1604	1206	1369	1206	746
45°	778	1321	778	1160	778	623
55°	634	975	634	952	634	583
65°	440	588	440	657	440	421
75°	167	279	167	334	167	175
85°	28	71	28	60	28	38
90°	6	21	6	21	6	6
95°	53	242	53	242	53	59
105°	189	1646	189	1646	189	201
115°	336	2120	336	2120	336	332
125°	468	1688	468	1688	468	415
135°	558	1310	558	1310	558	432
145°	647	1063	647	1063	647	405
155°	731	915	731	915	731	336
165°	789	852	789	852	789	223
175°	820	826	820	826	820	78
180°	820	820	820	820	820	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1
2.5°	1893.1	1893.1	1903.8	1907.3	1907.3	1902.0	1896.7	1902.0	1918.0	1923.3	1921.5
5°	1886.0	1900.2	1919.8	1923.3	1926.9	1925.1	1921.5	1925.1	1942.9	1946.4	1948.2
7.5°	1871.8	1898.5	1923.3	1928.6	1934.0	1928.6	1926.9	1930.4	1948.2	1951.7	1951.7
10°	1854.1	1891.4	1919.8	1923.3	1928.6	1923.3	1923.3	1930.4	1948.2	1951.7	1953.5
12.5°	1829.2	1880.7	1907.3	1910.9	1918.0	1916.2	1914.4	1921.5	1939.3	1942.9	1942.9
15°	1800.8	1861.2	1886.0	1889.6	1902.0	1898.5	1898.5	1905.6	1925.1	1930.4	1928.6
17.5°	1761.7	1836.3	1864.7	1870.0	1878.9	1877.1	1878.9	1886.0	1903.8	1907.3	1909.1
20°	1717.3	1802.6	1836.3	1841.6	1850.5	1850.5	1850.5	1859.4	1877.1	1884.2	1884.2
22.5°	1656.9	1767.0	1802.6	1806.1	1816.8	1816.8	1820.3	1832.7	1848.7	1850.5	1850.5
25°	1585.9	1728.0	1758.2	1768.8	1779.5	1784.8	1790.1	1797.2	1802.6	1800.8	1802.6
27.5°	1511.3	1678.2	1717.3	1724.4	1738.6	1743.9	1751.0	1752.8	1754.6	1759.9	1756.4
30°	1427.8	1609.0	1667.6	1674.7	1697.8	1701.3	1694.2	1697.8	1706.6	1710.2	1713.8
32.5°	1333.7	1506.0	1616.1	1632.1	1653.4	1642.7	1640.9	1646.3	1660.5	1660.5	1664.0
35°	1205.8	1426.0	1568.1	1582.3	1598.3	1585.9	1593.0	1594.8	1603.6	1609.0	1607.2
37.5°	1065.5	1356.8	1518.4	1529.0	1541.5	1525.5	1536.2	1541.5	1548.6	1545.0	1545.0
40°	941.3	1248.4	1459.8	1466.9	1477.5	1465.1	1475.8	1479.3	1482.9	1479.3	1477.5
42.5°	848.9	1129.4	1397.6	1406.5	1399.4	1408.3	1411.8	1418.9	1413.6	1406.5	1406.5
45°	777.9	1097.5	1330.1	1340.8	1330.1	1344.3	1349.7	1349.7	1333.7	1330.1	1328.4
47.5°	754.8	1033.6	1262.6	1262.6	1257.3	1275.1	1284.0	1271.5	1255.5	1250.2	1250.2
50°	753.0	962.6	1170.3	1163.2	1188.1	1209.4	1200.5	1188.1	1175.6	1156.1	1156.1
52.5°	683.8	875.6	1051.4	1077.9	1117.0	1129.4	1115.2	1102.8	1081.5	1072.6	1065.5
55°	634.0	785.0	943.1	996.3	1037.2	1053.2	1026.5	1014.1	982.1	976.8	973.2
57.5°	623.4	653.6	843.6	911.1	960.8	959.0	943.1	920.0	893.3	888.0	886.2
60°	571.9	472.4	737.0	817.0	868.5	863.1	848.9	827.6	802.8	799.2	795.6
62.5°	518.6	342.8	616.3	706.8	779.7	777.9	765.5	733.5	715.7	706.8	699.7
65°	440.4	287.7	438.7	587.9	692.6	696.2	669.6	646.5	626.9	616.3	614.5
67.5°	335.7	234.4	296.6	490.2	609.2	605.6	571.9	561.2	536.4	531.0	520.4
70°	248.6	156.3	206.0	397.8	527.5	518.6	492.0	479.5	456.4	444.0	436.9
72.5°	206.0	126.1	151.0	309.0	444.0	433.3	410.3	396.0	376.5	365.9	358.8
75°	166.9	133.2	115.4	229.1	360.5	353.4	332.1	317.9	301.9	287.7	289.5
77.5°	122.5	124.3	92.4	168.7	285.9	275.3	262.8	245.1	238.0	223.8	223.8
80°	92.4	97.7	69.3	115.4	206.0	206.0	195.4	182.9	170.5	163.4	163.4
82.5°	62.2	62.2	51.5	72.8	140.3	135.0	127.9	124.3	117.2	113.7	113.7
85°	28.4	35.5	32.0	44.4	76.4	79.9	79.9	76.4	74.6	71.0	72.8
87.5°	8.9	16.0	19.5	24.9	39.1	40.8	42.6	42.6	42.6	44.4	44.4
90°	5.5	9.9	14.4	15.5	24.2	36.0	41.8	37.2	27.9	21.0	21.0
92.5°	22.0	59.5	97.0	106.3	149.5	206.9	235.7	206.5	148.3	104.6	100.4
95°	52.8	121.4	189.9	207.0	367.5	581.6	688.7	614.6	466.3	355.1	342.5
97.5°	91.4	151.8	212.3	227.4	495.1	852.1	1030.6	983.7	890.0	819.8	795.8
100°	121.1	175.9	230.8	244.5	541.6	937.7	1135.8	1139.2	1146.1	1151.2	1122.6
102.5°	146.4	197.6	248.7	261.5	562.8	964.6	1165.5	1225.2	1344.6	1434.2	1409.7
105°	189.4	232.7	276.0	286.8	578.6	967.7	1162.2	1296.0	1563.7	1764.5	1751.3
107.5°	233.5	273.9	314.2	324.3	581.6	924.6	1096.1	1282.8	1656.2	1936.3	1939.5
110°	263.2	299.6	336.0	345.2	577.1	886.4	1041.1	1249.8	1667.2	1980.3	1994.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	292.3	327.1	361.8	370.5	577.3	853.1	991.0	1204.7	1631.9	1952.3	1973.3
115°	336.4	368.4	400.5	408.5	582.6	814.8	931.0	1136.7	1548.3	1857.0	1886.2
117.5°	379.9	409.0	438.1	445.4	593.5	790.9	889.7	1075.4	1446.8	1725.4	1757.7
120°	405.2	432.5	460.0	466.8	602.2	782.9	873.2	1042.9	1382.3	1636.8	1668.2
122.5°	430.0	457.7	485.3	492.2	614.9	778.6	860.5	1013.3	1318.9	1548.1	1579.1
125°	468.0	493.2	518.3	524.6	632.0	775.1	846.7	976.5	1236.1	1430.8	1459.4
127.5°	498.8	524.3	549.7	556.1	649.1	773.2	835.2	946.6	1169.5	1336.7	1360.8
130°	515.3	542.7	570.1	576.9	661.6	774.4	830.8	930.0	1128.5	1277.3	1299.6
132.5°	532.4	559.8	587.2	594.1	671.7	775.1	826.9	915.7	1093.4	1226.6	1246.6
135°	557.7	582.6	607.7	613.9	682.7	774.4	820.3	894.7	1043.5	1155.0	1172.2
137.5°	583.6	608.3	633.0	639.2	699.2	779.2	819.2	882.1	1007.9	1102.2	1116.2
140°	605.1	627.8	650.5	656.2	709.2	780.0	815.4	869.7	978.3	1059.8	1073.0
142.5°	621.6	642.6	663.7	668.9	717.8	782.9	815.4	863.0	958.5	1030.1	1041.4
145°	646.9	665.3	683.6	688.2	728.8	782.9	809.9	848.9	927.0	985.5	994.0
147.5°	672.2	690.1	708.0	712.4	744.9	788.2	809.9	840.6	901.9	948.0	955.1
150°	688.7	704.9	721.1	725.1	753.3	791.0	809.9	835.8	887.6	926.5	932.3
152.5°	705.8	718.0	730.3	733.3	758.8	792.8	809.9	832.0	876.3	909.5	913.8
155°	731.1	740.1	749.2	751.5	771.0	796.9	809.9	827.4	862.7	889.2	892.0
157.5°	749.8	758.6	767.4	769.6	783.0	800.9	809.9	823.5	851.0	871.5	873.5
160°	762.5	769.4	776.2	777.9	788.5	802.8	809.9	821.6	845.1	862.7	863.8
162.5°	775.1	780.3	785.4	786.8	794.5	804.7	809.9	819.8	839.6	854.4	855.5
165°	788.9	793.5	798.2	799.4	802.8	807.5	809.9	817.0	831.2	841.8	843.0
167.5°	801.6	803.8	806.0	806.6	809.5	813.4	815.4	820.0	829.3	836.3	836.8
170°	809.9	812.1	814.3	814.8	815.0	815.3	815.4	820.0	829.3	836.3	836.3
172.5°	814.3	814.7	815.3	815.4	815.4	815.4	815.4	819.0	826.4	831.9	831.4
175°	820.3	820.3	820.3	820.3	818.6	816.4	815.4	817.7	822.4	825.8	825.8
177.5°	820.3	820.3	820.3	820.3	819.0	817.3	816.4	818.3	821.9	824.7	824.2
180°	820.3	820.3	820.3	820.3	820.3	820.3	820.3	820.3	820.3	820.3	820.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1
2.5°	1925.1	1919.8	1925.1	1921.5	1923.3	1918.0	1902.0	1896.7	1902.0	1907.3	1907.3
5°	1948.2	1944.6	1948.2	1948.2	1946.4	1942.9	1925.1	1921.5	1925.1	1926.9	1923.3
7.5°	1955.3	1950.0	1955.3	1951.7	1951.7	1948.2	1930.4	1926.9	1928.6	1934.0	1928.6
10°	1955.3	1950.0	1955.3	1953.5	1951.7	1948.2	1930.4	1923.3	1923.3	1928.6	1923.3
12.5°	1946.4	1942.9	1946.4	1942.9	1942.9	1939.3	1921.5	1914.4	1916.2	1918.0	1910.9
15°	1932.2	1926.9	1932.2	1928.6	1930.4	1925.1	1905.6	1898.5	1898.5	1902.0	1889.6
17.5°	1910.9	1903.8	1910.9	1909.1	1907.3	1903.8	1886.0	1878.9	1877.1	1878.9	1870.0
20°	1886.0	1880.7	1886.0	1884.2	1884.2	1877.1	1859.4	1850.5	1850.5	1850.5	1841.6
22.5°	1847.0	1841.6	1847.0	1850.5	1850.5	1848.7	1832.7	1820.3	1816.8	1816.8	1806.1
25°	1802.6	1797.2	1802.6	1802.6	1800.8	1802.6	1797.2	1790.1	1784.8	1779.5	1768.8
27.5°	1759.9	1756.4	1759.9	1756.4	1759.9	1754.6	1752.8	1751.0	1743.9	1738.6	1724.4
30°	1717.3	1713.8	1717.3	1713.8	1710.2	1706.6	1697.8	1694.2	1701.3	1697.8	1674.7
32.5°	1664.0	1660.5	1664.0	1664.0	1660.5	1660.5	1646.3	1640.9	1642.7	1653.4	1632.1
35°	1609.0	1603.6	1609.0	1607.2	1609.0	1603.6	1594.8	1593.0	1585.9	1598.3	1582.3
37.5°	1545.0	1539.7	1545.0	1545.0	1545.0	1548.6	1541.5	1536.2	1525.5	1541.5	1529.0
40°	1479.3	1472.2	1479.3	1477.5	1479.3	1482.9	1479.3	1475.8	1465.1	1477.5	1466.9
42.5°	1404.7	1403.0	1404.7	1406.5	1406.5	1413.6	1418.9	1411.8	1408.3	1399.4	1406.5
45°	1324.8	1321.3	1324.8	1328.4	1330.1	1333.7	1349.7	1349.7	1344.3	1330.1	1340.8
47.5°	1239.6	1230.7	1239.6	1250.2	1250.2	1255.5	1271.5	1284.0	1275.1	1257.3	1262.6
50°	1149.0	1150.8	1149.0	1156.1	1156.1	1175.6	1188.1	1200.5	1209.4	1188.1	1163.2
52.5°	1060.2	1058.5	1060.2	1065.5	1072.6	1081.5	1102.8	1115.2	1129.4	1117.0	1077.9
55°	971.5	975.0	971.5	973.2	976.8	982.1	1014.1	1026.5	1053.2	1037.2	996.3
57.5°	882.7	877.3	882.7	886.2	888.0	893.3	920.0	943.1	959.0	960.8	911.1
60°	779.7	772.6	779.7	795.6	799.2	802.8	827.6	848.9	863.1	868.5	817.0
62.5°	689.1	676.7	689.1	699.7	706.8	715.7	733.5	765.5	777.9	779.7	706.8
65°	593.2	587.9	593.2	614.5	616.3	626.9	646.5	669.6	696.2	692.6	587.9
67.5°	506.2	506.2	506.2	520.4	531.0	536.4	561.2	571.9	605.6	609.2	490.2
70°	426.2	424.5	426.2	436.9	444.0	456.4	479.5	492.0	518.6	527.5	397.8
72.5°	349.9	348.1	349.9	358.8	365.9	376.5	396.0	410.3	433.3	444.0	309.0
75°	282.4	278.8	282.4	289.5	287.7	301.9	317.9	332.1	353.4	360.5	229.1
77.5°	216.7	216.7	216.7	223.8	223.8	238.0	245.1	262.8	275.3	285.9	168.7
80°	161.6	159.8	161.6	163.4	163.4	170.5	182.9	195.4	206.0	206.0	115.4
82.5°	113.7	110.1	113.7	113.7	113.7	117.2	124.3	127.9	135.0	140.3	72.8
85°	71.0	71.0	71.0	72.8	71.0	74.6	76.4	79.9	79.9	76.4	44.4
87.5°	46.2	44.4	46.2	44.4	44.4	42.6	42.6	42.6	40.8	39.1	24.9
90°	21.0	21.0	21.0	21.0	21.0	27.9	37.2	41.8	36.0	24.2	15.5
92.5°	83.8	67.1	83.8	100.4	104.6	148.3	206.5	235.7	206.9	149.5	106.3
95°	292.2	241.7	292.2	342.5	355.1	466.3	614.6	688.7	581.6	367.5	207.0
97.5°	699.8	603.9	699.8	795.8	819.8	890.0	983.7	1030.6	852.1	495.1	227.4
100°	1008.4	894.1	1008.4	1122.6	1151.2	1146.1	1139.2	1135.8	937.7	541.6	244.5
102.5°	1311.8	1214.0	1311.8	1409.7	1434.2	1344.6	1225.2	1165.5	964.6	562.8	261.5
105°	1698.7	1646.1	1698.7	1751.3	1764.5	1563.7	1296.0	1162.2	967.7	578.6	286.8
107.5°	1952.2	1964.9	1952.2	1939.5	1936.3	1656.2	1282.8	1096.1	924.6	581.6	324.3
110°	2048.9	2103.7	2048.9	1994.0	1980.3	1667.2	1249.8	1041.1	886.4	577.1	345.2



TEST NUMBER: P934776

CATALOG NUMBER: SQ4-FA-075U-075D-940-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2057.4	2141.6	2057.4	1973.3	1952.3	1631.9	1204.7	991.0	853.1	577.3	370.5
115°	2002.9	2119.6	2002.9	1886.2	1857.0	1548.3	1136.7	931.0	814.8	582.6	408.5
117.5°	1887.2	2016.6	1887.2	1757.7	1725.4	1446.8	1075.4	889.7	790.9	593.5	445.4
120°	1794.0	1919.8	1794.0	1668.2	1636.8	1382.3	1042.9	873.2	782.9	602.2	466.8
122.5°	1703.2	1827.2	1703.2	1579.1	1548.1	1318.9	1013.3	860.5	778.6	614.9	492.2
125°	1573.7	1688.0	1573.7	1459.4	1430.8	1236.1	976.5	846.7	775.1	632.0	524.6
127.5°	1457.2	1553.6	1457.2	1360.8	1336.7	1169.5	946.6	835.2	773.2	649.1	556.1
130°	1388.6	1477.6	1388.6	1299.6	1277.3	1128.5	930.0	830.8	774.4	661.6	576.9
132.5°	1326.3	1406.1	1326.3	1246.6	1226.6	1093.4	915.7	826.9	775.1	671.7	594.1
135°	1241.0	1309.7	1241.0	1172.2	1155.0	1043.5	894.7	820.3	774.4	682.7	613.9
137.5°	1172.5	1228.8	1172.5	1116.2	1102.2	1007.9	882.1	819.2	779.2	699.2	639.2
140°	1125.6	1178.2	1125.6	1073.0	1059.8	978.3	869.7	815.4	780.0	709.2	656.2
142.5°	1086.6	1131.9	1086.6	1041.4	1030.1	958.5	863.0	815.4	782.9	717.8	668.9
145°	1028.3	1062.6	1028.3	994.0	985.5	927.0	848.9	809.9	782.9	728.8	688.2
147.5°	983.5	1011.9	983.5	955.1	948.0	901.9	840.6	809.9	788.2	744.9	712.4
150°	955.3	978.3	955.3	932.3	926.5	887.6	835.8	809.9	791.0	753.3	725.1
152.5°	931.2	948.6	931.2	913.8	909.5	876.3	832.0	809.9	792.8	758.8	733.3
155°	903.5	915.0	903.5	892.0	889.2	862.7	827.4	809.9	796.9	771.0	751.5
157.5°	881.6	889.7	881.6	873.5	871.5	851.0	823.5	809.9	800.9	783.0	769.6
160°	868.6	873.2	868.6	863.8	862.7	845.1	821.6	809.9	802.8	788.5	777.9
162.5°	859.9	864.4	859.9	855.5	854.4	839.6	819.8	809.9	804.7	794.5	786.8
165°	847.6	852.2	847.6	843.0	841.8	831.2	817.0	809.9	807.5	802.8	799.4
167.5°	838.7	840.7	838.7	836.8	836.3	829.3	820.0	815.4	813.4	809.5	806.6
170°	836.3	836.3	836.3	836.3	836.3	829.3	820.0	815.4	815.3	815.0	814.8
172.5°	829.7	828.1	829.7	831.4	831.9	826.4	819.0	815.4	815.4	815.4	815.4
175°	825.8	825.8	825.8	825.8	825.8	822.4	817.7	815.4	816.4	818.6	820.3
177.5°	822.3	820.3	822.3	824.2	824.7	821.9	818.3	816.4	817.3	819.0	820.3
180°	820.3	820.3	820.3	820.3	820.3	820.3	820.3	820.3	820.3	820.3	820.3



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1
2.5°	1903.8	1893.1	1893.1	1875.4	1868.3	1862.9	1854.1	1827.4	1820.3	1813.2	1823.9
5°	1919.8	1900.2	1886.0	1854.1	1827.4	1816.8	1783.0	1719.1	1676.5	1644.5	1626.7
7.5°	1923.3	1898.5	1871.8	1822.1	1758.2	1729.7	1626.7	1509.5	1477.5	1449.1	1431.4
10°	1919.8	1891.4	1854.1	1779.5	1628.5	1578.8	1475.8	1399.4	1379.9	1374.5	1379.9
12.5°	1907.3	1880.7	1829.2	1704.9	1493.5	1459.8	1399.4	1355.0	1351.4	1360.3	1408.3
15°	1886.0	1861.2	1800.8	1605.4	1418.9	1394.1	1351.4	1335.5	1355.0	1417.2	1561.0
17.5°	1864.7	1836.3	1761.7	1507.7	1362.1	1344.3	1314.2	1346.1	1456.2	1539.7	1587.7
20°	1836.3	1802.6	1717.3	1436.7	1321.3	1305.3	1291.1	1434.9	1518.4	1548.6	1575.2
22.5°	1802.6	1767.0	1656.9	1387.0	1278.6	1266.2	1275.1	1484.6	1518.4	1539.7	1562.8
25°	1758.2	1728.0	1585.9	1347.9	1244.9	1230.7	1264.4	1479.3	1498.9	1504.2	1550.4
27.5°	1717.3	1678.2	1511.3	1312.4	1204.0	1198.7	1273.3	1456.2	1470.4	1475.8	1525.5
30°	1667.6	1609.0	1427.8	1275.1	1161.4	1159.6	1275.1	1427.8	1424.3	1438.5	1488.2
32.5°	1616.1	1506.0	1333.7	1228.9	1120.6	1118.8	1262.6	1385.2	1381.6	1401.2	1438.5
35°	1568.1	1426.0	1205.8	1175.6	1069.1	1070.8	1232.5	1335.5	1337.2	1355.0	1378.1
37.5°	1518.4	1356.8	1065.5	1117.0	1019.4	1019.4	1191.6	1289.3	1285.7	1291.1	1323.0
40°	1459.8	1248.4	941.3	1040.7	973.2	967.9	1141.9	1239.6	1227.1	1225.4	1269.8
42.5°	1397.6	1129.4	848.9	939.5	920.0	912.9	1081.5	1179.2	1156.1	1161.4	1218.2
45°	1330.1	1097.5	777.9	793.9	864.9	859.6	1015.9	1109.9	1093.9	1108.1	1166.7
47.5°	1262.6	1033.6	754.8	658.9	806.3	804.5	943.1	1042.5	1033.6	1047.8	1109.9
50°	1170.3	962.6	753.0	564.8	740.6	747.7	856.0	976.8	976.8	989.2	1054.9
52.5°	1051.4	875.6	683.8	511.5	664.2	685.5	779.7	920.0	923.5	936.0	994.6
55°	943.1	785.0	634.0	470.6	573.6	619.8	705.1	861.4	868.5	880.9	934.2
57.5°	843.6	653.6	623.4	422.7	490.2	534.6	639.4	804.5	808.1	818.7	870.2
60°	737.0	472.4	571.9	371.2	417.4	451.1	579.0	737.0	749.5	756.6	801.0
62.5°	616.3	342.8	518.6	335.7	381.8	388.9	529.2	673.1	689.1	694.4	721.1
65°	438.7	287.7	440.4	305.5	344.5	346.3	476.0	607.4	621.6	630.5	650.0
67.5°	296.6	234.4	335.7	277.1	316.1	317.9	424.5	531.0	550.6	557.7	570.1
70°	206.0	156.3	248.6	246.9	284.2	287.7	369.4	461.8	479.5	484.8	492.0
72.5°	151.0	126.1	206.0	222.0	250.4	254.0	312.6	383.6	401.4	406.7	410.3
75°	115.4	133.2	166.9	193.6	213.1	214.9	255.7	312.6	325.0	328.6	330.3
77.5°	92.4	124.3	122.5	156.3	174.0	170.5	200.7	241.5	252.2	252.2	252.2
80°	69.3	97.7	92.4	111.9	127.9	124.3	143.9	172.3	175.8	179.4	177.6
82.5°	51.5	62.2	62.2	71.0	85.2	81.7	95.9	111.9	111.9	111.9	115.4
85°	32.0	35.5	28.4	37.3	48.0	46.2	53.3	60.4	62.2	62.2	58.6
87.5°	19.5	16.0	8.9	14.2	21.3	21.3	24.9	26.6	24.9	24.9	24.9
90°	14.4	9.9	5.5	9.9	14.4	15.5	24.2	36.0	41.8	37.2	27.9
92.5°	97.0	59.5	22.0	59.5	97.0	106.3	149.5	206.9	235.7	206.5	148.3
95°	189.9	121.4	52.8	121.4	189.9	207.0	367.5	581.6	688.7	614.6	466.3
97.5°	212.3	151.8	91.4	151.8	212.3	227.4	495.1	852.1	1030.6	983.7	890.0
100°	230.8	175.9	121.1	175.9	230.8	244.5	541.6	937.7	1135.8	1139.2	1146.1
102.5°	248.7	197.6	146.4	197.6	248.7	261.5	562.8	964.6	1165.5	1225.2	1344.6
105°	276.0	232.7	189.4	232.7	276.0	286.8	578.6	967.7	1162.2	1296.0	1563.7
107.5°	314.2	273.9	233.5	273.9	314.2	324.3	581.6	924.6	1096.1	1282.8	1656.2
110°	336.0	299.6	263.2	299.6	336.0	345.2	577.1	886.4	1041.1	1249.8	1667.2



TEST NUMBER: P934776

CATALOG NUMBER: SQ4-FA-075U-075D-940-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	361.8	327.1	292.3	327.1	361.8	370.5	577.3	853.1	991.0	1204.7	1631.9
115°	400.5	368.4	336.4	368.4	400.5	408.5	582.6	814.8	931.0	1136.7	1548.3
117.5°	438.1	409.0	379.9	409.0	438.1	445.4	593.5	790.9	889.7	1075.4	1446.8
120°	460.0	432.5	405.2	432.5	460.0	466.8	602.2	782.9	873.2	1042.9	1382.3
122.5°	485.3	457.7	430.0	457.7	485.3	492.2	614.9	778.6	860.5	1013.3	1318.9
125°	518.3	493.2	468.0	493.2	518.3	524.6	632.0	775.1	846.7	976.5	1236.1
127.5°	549.7	524.3	498.8	524.3	549.7	556.1	649.1	773.2	835.2	946.6	1169.5
130°	570.1	542.7	515.3	542.7	570.1	576.9	661.6	774.4	830.8	930.0	1128.5
132.5°	587.2	559.8	532.4	559.8	587.2	594.1	671.7	775.1	826.9	915.7	1093.4
135°	607.7	582.6	557.7	582.6	607.7	613.9	682.7	774.4	820.3	894.7	1043.5
137.5°	633.0	608.3	583.6	608.3	633.0	639.2	699.2	779.2	819.2	882.1	1007.9
140°	650.5	627.8	605.1	627.8	650.5	656.2	709.2	780.0	815.4	869.7	978.3
142.5°	663.7	642.6	621.6	642.6	663.7	668.9	717.8	782.9	815.4	863.0	958.5
145°	683.6	665.3	646.9	665.3	683.6	688.2	728.8	782.9	809.9	848.9	927.0
147.5°	708.0	690.1	672.2	690.1	708.0	712.4	744.9	788.2	809.9	840.6	901.9
150°	721.1	704.9	688.7	704.9	721.1	725.1	753.3	791.0	809.9	835.8	887.6
152.5°	730.3	718.0	705.8	718.0	730.3	733.3	758.8	792.8	809.9	832.0	876.3
155°	749.2	740.1	731.1	740.1	749.2	751.5	771.0	796.9	809.9	827.4	862.7
157.5°	767.4	758.6	749.8	758.6	767.4	769.6	783.0	800.9	809.9	823.5	851.0
160°	776.2	769.4	762.5	769.4	776.2	777.9	788.5	802.8	809.9	821.6	845.1
162.5°	785.4	780.3	775.1	780.3	785.4	786.8	794.5	804.7	809.9	819.8	839.6
165°	798.2	793.5	788.9	793.5	798.2	799.4	802.8	807.5	809.9	817.0	831.2
167.5°	806.0	803.8	801.6	803.8	806.0	806.6	809.5	813.4	815.4	820.0	829.3
170°	814.3	812.1	809.9	812.1	814.3	814.8	815.0	815.3	815.4	820.0	829.3
172.5°	815.3	814.7	814.3	814.7	815.3	815.4	815.4	815.4	815.4	819.0	826.4
175°	820.3	820.3	820.3	820.3	820.3	820.3	818.6	816.4	815.4	817.7	822.4
177.5°	820.3	820.3	820.3	820.3	820.3	820.3	819.0	817.3	816.4	818.3	821.9
180°	820.3	820.3	820.3	820.3	820.3	820.3	820.3	820.3	820.3	820.3	820.3



TEST NUMBER: P934776
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1
2.5°	1811.4	1806.1	1813.2	1793.7	1813.2	1806.1	1811.4	1823.9	1813.2	1820.3	1827.4
5°	1589.4	1580.6	1552.1	1529.0	1552.1	1580.6	1589.4	1626.7	1644.5	1676.5	1719.1
7.5°	1420.7	1413.6	1406.5	1392.3	1406.5	1413.6	1420.7	1431.4	1449.1	1477.5	1509.5
10°	1383.4	1385.2	1395.8	1394.1	1395.8	1385.2	1383.4	1379.9	1374.5	1379.9	1399.4
12.5°	1479.3	1495.3	1553.9	1550.4	1553.9	1495.3	1479.3	1408.3	1360.3	1351.4	1355.0
15°	1589.4	1594.8	1607.2	1609.0	1607.2	1594.8	1589.4	1561.0	1417.2	1355.0	1335.5
17.5°	1600.1	1601.9	1610.7	1610.7	1610.7	1601.9	1600.1	1587.7	1539.7	1456.2	1346.1
20°	1591.2	1594.8	1612.5	1616.1	1612.5	1594.8	1591.2	1575.2	1548.6	1518.4	1434.9
22.5°	1587.7	1594.8	1609.0	1607.2	1609.0	1594.8	1587.7	1562.8	1539.7	1518.4	1484.6
25°	1569.9	1569.9	1571.7	1573.4	1571.7	1569.9	1569.9	1550.4	1504.2	1498.9	1479.3
27.5°	1532.6	1536.2	1546.8	1545.0	1546.8	1536.2	1532.6	1525.5	1475.8	1470.4	1456.2
30°	1498.9	1495.3	1486.4	1479.3	1486.4	1495.3	1498.9	1488.2	1438.5	1424.3	1427.8
32.5°	1442.0	1433.1	1424.3	1418.9	1424.3	1433.1	1442.0	1438.5	1401.2	1381.6	1385.2
35°	1374.5	1376.3	1374.5	1369.2	1374.5	1376.3	1374.5	1378.1	1355.0	1337.2	1335.5
37.5°	1326.6	1330.1	1328.4	1321.3	1328.4	1330.1	1326.6	1323.0	1291.1	1285.7	1289.3
40°	1276.9	1278.6	1276.9	1271.5	1276.9	1278.6	1276.9	1269.8	1225.4	1227.1	1239.6
42.5°	1228.9	1227.1	1221.8	1218.2	1221.8	1227.1	1228.9	1218.2	1161.4	1156.1	1179.2
45°	1173.8	1175.6	1165.0	1159.6	1165.0	1175.6	1173.8	1166.7	1108.1	1093.9	1109.9
47.5°	1118.8	1118.8	1109.9	1104.6	1109.9	1118.8	1118.8	1109.9	1047.8	1033.6	1042.5
50°	1060.2	1058.5	1046.1	1044.3	1046.1	1058.5	1060.2	1054.9	989.2	976.8	976.8
52.5°	992.8	992.8	994.6	998.1	994.6	992.8	992.8	994.6	936.0	923.5	920.0
55°	934.2	936.0	948.4	951.9	948.4	936.0	934.2	934.2	880.9	868.5	861.4
57.5°	873.8	873.8	882.7	882.7	882.7	873.8	873.8	870.2	818.7	808.1	804.5
60°	804.5	808.1	815.2	813.4	815.2	808.1	804.5	801.0	756.6	749.5	737.0
62.5°	731.7	735.3	737.0	733.5	737.0	735.3	731.7	721.1	694.4	689.1	673.1
65°	655.3	658.9	660.7	657.1	660.7	658.9	655.3	650.0	630.5	621.6	607.4
67.5°	577.2	575.4	573.6	580.8	573.6	575.4	577.2	570.1	557.7	550.6	531.0
70°	497.3	497.3	495.5	499.1	495.5	497.3	497.3	492.0	484.8	479.5	461.8
72.5°	412.0	410.3	417.4	412.0	417.4	410.3	412.0	410.3	406.7	401.4	383.6
75°	328.6	332.1	328.6	333.9	328.6	332.1	328.6	330.3	328.6	325.0	312.6
77.5°	250.4	254.0	250.4	250.4	250.4	254.0	250.4	252.2	252.2	252.2	241.5
80°	177.6	175.8	175.8	174.0	175.8	175.8	177.6	177.6	179.4	175.8	172.3
82.5°	113.7	111.9	111.9	115.4	111.9	111.9	113.7	115.4	111.9	111.9	111.9
85°	62.2	63.9	60.4	60.4	60.4	63.9	62.2	58.6	62.2	62.2	60.4
87.5°	23.1	21.3	21.3	21.3	21.3	21.3	23.1	24.9	24.9	24.9	26.6
90°	21.0	21.0	21.0	21.0	21.0	21.0	21.0	27.9	37.2	41.8	36.0
92.5°	104.6	100.4	83.8	67.1	83.8	100.4	104.6	148.3	206.5	235.7	206.9
95°	355.1	342.5	292.2	241.7	292.2	342.5	355.1	466.3	614.6	688.7	581.6
97.5°	819.8	795.8	699.8	603.9	699.8	795.8	819.8	890.0	983.7	1030.6	852.1
100°	1151.2	1122.6	1008.4	894.1	1008.4	1122.6	1151.2	1146.1	1139.2	1135.8	937.7
102.5°	1434.2	1409.7	1311.8	1214.0	1311.8	1409.7	1434.2	1344.6	1225.2	1165.5	964.6
105°	1764.5	1751.3	1698.7	1646.1	1698.7	1751.3	1764.5	1563.7	1296.0	1162.2	967.7
107.5°	1936.3	1939.5	1952.2	1964.9	1952.2	1939.5	1936.3	1656.2	1282.8	1096.1	924.6
110°	1980.3	1994.0	2048.9	2103.7	2048.9	1994.0	1980.3	1667.2	1249.8	1041.1	886.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1952.3	1973.3	2057.4	2141.6	2057.4	1973.3	1952.3	1631.9	1204.7	991.0	853.1
115°	1857.0	1886.2	2002.9	2119.6	2002.9	1886.2	1857.0	1548.3	1136.7	931.0	814.8
117.5°	1725.4	1757.7	1887.2	2016.6	1887.2	1757.7	1725.4	1446.8	1075.4	889.7	790.9
120°	1636.8	1668.2	1794.0	1919.8	1794.0	1668.2	1636.8	1382.3	1042.9	873.2	782.9
122.5°	1548.1	1579.1	1703.2	1827.2	1703.2	1579.1	1548.1	1318.9	1013.3	860.5	778.6
125°	1430.8	1459.4	1573.7	1688.0	1573.7	1459.4	1430.8	1236.1	976.5	846.7	775.1
127.5°	1336.7	1360.8	1457.2	1553.6	1457.2	1360.8	1336.7	1169.5	946.6	835.2	773.2
130°	1277.3	1299.6	1388.6	1477.6	1388.6	1299.6	1277.3	1128.5	930.0	830.8	774.4
132.5°	1226.6	1246.6	1326.3	1406.1	1326.3	1246.6	1226.6	1093.4	915.7	826.9	775.1
135°	1155.0	1172.2	1241.0	1309.7	1241.0	1172.2	1155.0	1043.5	894.7	820.3	774.4
137.5°	1102.2	1116.2	1172.5	1228.8	1172.5	1116.2	1102.2	1007.9	882.1	819.2	779.2
140°	1059.8	1073.0	1125.6	1178.2	1125.6	1073.0	1059.8	978.3	869.7	815.4	780.0
142.5°	1030.1	1041.4	1086.6	1131.9	1086.6	1041.4	1030.1	958.5	863.0	815.4	782.9
145°	985.5	994.0	1028.3	1062.6	1028.3	994.0	985.5	927.0	848.9	809.9	782.9
147.5°	948.0	955.1	983.5	1011.9	983.5	955.1	948.0	901.9	840.6	809.9	788.2
150°	926.5	932.3	955.3	978.3	955.3	932.3	926.5	887.6	835.8	809.9	791.0
152.5°	909.5	913.8	931.2	948.6	931.2	913.8	909.5	876.3	832.0	809.9	792.8
155°	889.2	892.0	903.5	915.0	903.5	892.0	889.2	862.7	827.4	809.9	796.9
157.5°	871.5	873.5	881.6	889.7	881.6	873.5	871.5	851.0	823.5	809.9	800.9
160°	862.7	863.8	868.6	873.2	868.6	863.8	862.7	845.1	821.6	809.9	802.8
162.5°	854.4	855.5	859.9	864.4	859.9	855.5	854.4	839.6	819.8	809.9	804.7
165°	841.8	843.0	847.6	852.2	847.6	843.0	841.8	831.2	817.0	809.9	807.5
167.5°	836.3	836.8	838.7	840.7	838.7	836.8	836.3	829.3	820.0	815.4	813.4
170°	836.3	836.3	836.3	836.3	836.3	836.3	836.3	829.3	820.0	815.4	815.3
172.5°	831.9	831.4	829.7	828.1	829.7	831.4	831.9	826.4	819.0	815.4	815.4
175°	825.8	825.8	825.8	825.8	825.8	825.8	825.8	822.4	817.7	815.4	816.4
177.5°	824.7	824.2	822.3	820.3	822.3	824.2	824.7	821.9	818.3	816.4	817.3
180°	820.3	820.3	820.3	820.3	820.3	820.3	820.3	820.3	820.3	820.3	820.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1877.1	1877.1	1877.1	1877.1	1877.1
2.5°	1854.1	1862.9	1868.3	1875.4	1893.1
5°	1783.0	1816.8	1827.4	1854.1	1886.0
7.5°	1626.7	1729.7	1758.2	1822.1	1871.8
10°	1475.8	1578.8	1628.5	1779.5	1854.1
12.5°	1399.4	1459.8	1493.5	1704.9	1829.2
15°	1351.4	1394.1	1418.9	1605.4	1800.8
17.5°	1314.2	1344.3	1362.1	1507.7	1761.7
20°	1291.1	1305.3	1321.3	1436.7	1717.3
22.5°	1275.1	1266.2	1278.6	1387.0	1656.9
25°	1264.4	1230.7	1244.9	1347.9	1585.9
27.5°	1273.3	1198.7	1204.0	1312.4	1511.3
30°	1275.1	1159.6	1161.4	1275.1	1427.8
32.5°	1262.6	1118.8	1120.6	1228.9	1333.7
35°	1232.5	1070.8	1069.1	1175.6	1205.8
37.5°	1191.6	1019.4	1019.4	1117.0	1065.5
40°	1141.9	967.9	973.2	1040.7	941.3
42.5°	1081.5	912.9	920.0	939.5	848.9
45°	1015.9	859.6	864.9	793.9	777.9
47.5°	943.1	804.5	806.3	658.9	754.8
50°	856.0	747.7	740.6	564.8	753.0
52.5°	779.7	685.5	664.2	511.5	683.8
55°	705.1	619.8	573.6	470.6	634.0
57.5°	639.4	534.6	490.2	422.7	623.4
60°	579.0	451.1	417.4	371.2	571.9
62.5°	529.2	388.9	381.8	335.7	518.6
65°	476.0	346.3	344.5	305.5	440.4
67.5°	424.5	317.9	316.1	277.1	335.7
70°	369.4	287.7	284.2	246.9	248.6
72.5°	312.6	254.0	250.4	222.0	206.0
75°	255.7	214.9	213.1	193.6	166.9
77.5°	200.7	170.5	174.0	156.3	122.5
80°	143.9	124.3	127.9	111.9	92.4
82.5°	95.9	81.7	85.2	71.0	62.2
85°	53.3	46.2	48.0	37.3	28.4
87.5°	24.9	21.3	21.3	14.2	8.9
90°	24.2	15.5	14.4	9.9	5.5
92.5°	149.5	106.3	97.0	59.5	22.0
95°	367.5	207.0	189.9	121.4	52.8
97.5°	495.1	227.4	212.3	151.8	91.4
100°	541.6	244.5	230.8	175.9	121.1
102.5°	562.8	261.5	248.7	197.6	146.4
105°	578.6	286.8	276.0	232.7	189.4
107.5°	581.6	324.3	314.2	273.9	233.5
110°	577.1	345.2	336.0	299.6	263.2



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CATALOG NUMBER: SQ4-FA-075U-075D-940-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	577.3	370.5	361.8	327.1	292.3
115°	582.6	408.5	400.5	368.4	336.4
117.5°	593.5	445.4	438.1	409.0	379.9
120°	602.2	466.8	460.0	432.5	405.2
122.5°	614.9	492.2	485.3	457.7	430.0
125°	632.0	524.6	518.3	493.2	468.0
127.5°	649.1	556.1	549.7	524.3	498.8
130°	661.6	576.9	570.1	542.7	515.3
132.5°	671.7	594.1	587.2	559.8	532.4
135°	682.7	613.9	607.7	582.6	557.7
137.5°	699.2	639.2	633.0	608.3	583.6
140°	709.2	656.2	650.5	627.8	605.1
142.5°	717.8	668.9	663.7	642.6	621.6
145°	728.8	688.2	683.6	665.3	646.9
147.5°	744.9	712.4	708.0	690.1	672.2
150°	753.3	725.1	721.1	704.9	688.7
152.5°	758.8	733.3	730.3	718.0	705.8
155°	771.0	751.5	749.2	740.1	731.1
157.5°	783.0	769.6	767.4	758.6	749.8
160°	788.5	777.9	776.2	769.4	762.5
162.5°	794.5	786.8	785.4	780.3	775.1
165°	802.8	799.4	798.2	793.5	788.9
167.5°	809.5	806.6	806.0	803.8	801.6
170°	815.0	814.8	814.3	812.1	809.9
172.5°	815.4	815.4	815.3	814.7	814.3
175°	818.6	820.3	820.3	820.3	820.3
177.5°	819.0	820.3	820.3	820.3	820.3
180°	820.3	820.3	820.3	820.3	820.3



TEST NUMBER: P934776

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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	12.12	12.96	13.10	13.95	15.25	14.96	15.80	15.93	16.79	18.09
	3H	12.60	13.35	13.58	14.35	15.67	16.30	17.06	17.29	18.06	19.38
	4H	12.79	13.50	13.79	14.50	15.83	16.75	17.46	17.75	18.47	19.80
	6H	12.90	13.56	13.92	14.57	15.91	17.04	17.69	18.05	18.70	20.04
	8H	12.91	13.53	13.92	14.55	15.90	17.11	17.74	18.13	18.76	20.10
	12H	12.88	13.47	13.90	14.49	15.85	17.15	17.74	18.17	18.76	20.13
4H	2H	13.15	13.87	14.16	14.87	16.20	15.36	16.08	16.37	17.08	18.41
	3H	14.18	14.77	15.19	15.80	17.15	16.87	17.47	17.89	18.50	19.84
	4H	14.45	15.00	15.48	16.02	17.39	17.40	17.94	18.42	18.97	20.34
	6H	14.58	15.05	15.61	16.09	17.46	17.77	18.23	18.80	19.28	20.65
	8H	14.58	15.02	15.62	16.06	17.44	17.87	18.31	18.91	19.35	20.73
	12H	14.55	14.94	15.60	16.00	17.38	17.93	18.33	18.98	19.38	20.77
8H	4H	14.91	15.34	15.94	16.38	17.76	17.52	17.96	18.56	19.00	20.38
	6H	15.17	15.53	16.23	16.61	17.99	17.96	18.32	19.02	19.40	20.78
	8H	15.21	15.53	16.28	16.59	17.99	18.11	18.43	19.18	19.50	20.89
	12H	15.19	15.47	16.26	16.53	17.97	18.21	18.49	19.28	19.55	20.99
12H	4H	14.91	15.31	15.97	16.36	17.75	17.49	17.88	18.54	18.94	20.32
	6H	15.23	15.55	16.29	16.61	18.01	17.96	18.28	19.02	19.34	20.74
	8H	15.29	15.57	16.36	16.63	18.07	18.12	18.40	19.19	19.46	20.90