

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: P935827

Luminaire Tested: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935827
REPORT IS A COMBINATION OF REPORTS P933769 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-12-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

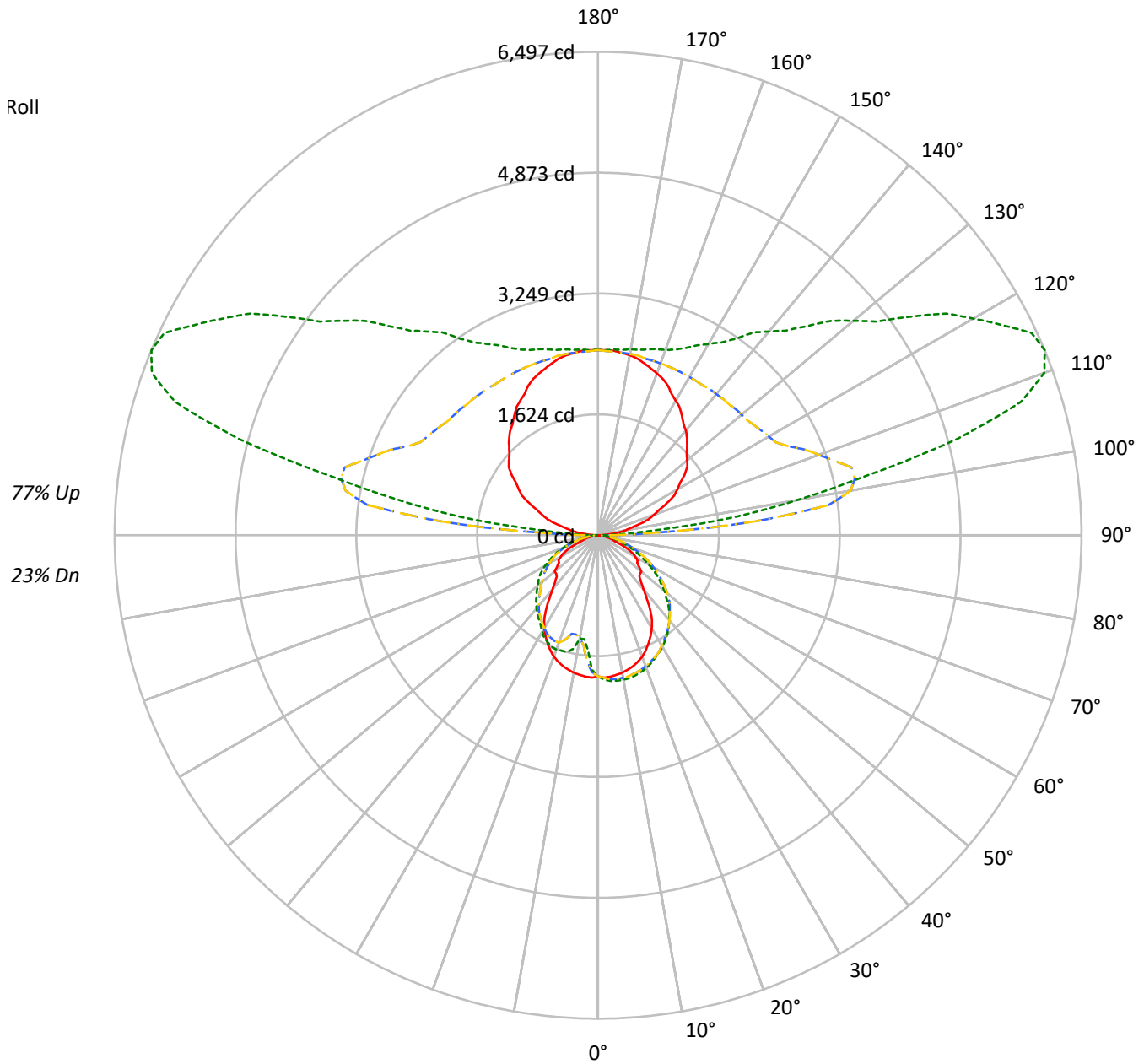
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21064.0 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 166.8
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



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	101	101	101	101	90	90	90	90	69	69	69	49	49	49	32	32	32	23
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	27	20
2	84	77	71	66	74	68	63	59	52	49	46	38	36	34	25	24	23	17
3	76	67	60	55	67	60	54	49	46	42	39	34	31	29	22	20	19	14
4	70	59	52	46	62	53	47	42	41	37	33	30	27	25	19	18	16	12
5	64	53	45	39	56	47	40	36	36	32	28	27	24	21	17	16	14	10
6	59	47	39	34	52	42	35	31	33	28	24	24	21	18	16	14	12	9
7	54	42	35	29	48	38	31	27	30	25	21	22	19	16	14	12	11	8
8	50	38	31	26	44	34	28	23	27	22	19	20	17	14	13	11	10	7
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	6
10	43	32	25	20	38	28	22	18	22	18	15	17	14	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5871	5871	5871	5871
5°	5918	5927	5918	4660
10°	5880	5838	5880	4174
15°	5818	5712	5818	4770
20°	5699	5562	5699	4780
25°	5452	5344	5452	4678
30°	5132	5162	5132	4456
35°	4578	4933	4578	4211
40°	3816	4662	3816	4027
45°	3412	4346	3412	3814
50°	3628	3969	3628	3601
55°	3417	3563	3417	3478
60°	3527	3026	3527	3186
65°	3203	2501	3203	2796
70°	2224	1994	2224	2344
75°	1956	1474	1956	1764
80°	1589	975	1589	1061
85°	930	516	930	439

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 6199 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.4	0.8
10°-20°	486.5	2.3
20°-30°	752.1	3.6
30°-40°	897.8	4.3
40°-50°	903.1	4.3
50°-60°	785.8	3.7
60°-70°	557.1	2.6
70°-80°	294.8	1.4
80°-90°	82.9	0.4
90°-100°	1213.1	5.8
100°-110°	3189.2	15.1
110°-120°	3306.9	15.7
120°-130°	2652.5	12.6
130°-140°	2081.3	9.9
140°-150°	1597.5	7.6
150°-160°	1150.4	5.5
160°-170°	703.9	3.3
170°-180°	237.8	1.1
0°-30°	1409.9	6.7
0°-40°	2307.8	11.0
0°-60°	3996.6	19.0
0°-90°	4931.4	23.4
90°-120°	7709.2	36.6
90°-150°	14040.5	66.7
90°-180°	16133.0	76.6
0°-180°	21064.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1898	1898	1898	1898	1898	
5°	1907	1966	1907	1546	1907	181
15°	1821	1949	1821	1627	1821	512
25°	1604	1818	1604	1591	1604	736
35°	1219	1622	1219	1385	1219	754
45°	787	1336	787	1173	787	630
55°	641	986	641	963	641	589
65°	445	594	445	664	445	426
75°	169	282	169	338	169	177
85°	29	72	29	61	29	39
90°	17	64	17	64	17	15
95°	160	733	160	733	160	178
105°	575	4994	575	4994	575	609
115°	1020	6430	1020	6430	1020	1008
125°	1420	5121	1420	5121	1420	1260
135°	1692	3973	1692	3973	1692	1309
145°	1962	3224	1962	3224	1962	1229
155°	2218	2776	2218	2776	2218	1019
165°	2393	2586	2393	2586	2393	675
175°	2489	2505	2489	2505	2489	236
180°	2489	2489	2489	2489	2489	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2
2.5°	1914.4	1914.4	1925.2	1928.8	1928.8	1923.4	1918.1	1923.4	1939.6	1944.9	1943.1
5°	1907.3	1921.6	1941.4	1944.9	1948.6	1946.8	1943.1	1946.8	1964.7	1968.3	1970.1
7.5°	1892.9	1919.8	1944.9	1950.4	1955.7	1950.4	1948.6	1952.2	1970.1	1973.7	1973.7
10°	1874.9	1912.6	1941.4	1944.9	1950.4	1944.9	1944.9	1952.2	1970.1	1973.7	1975.5
12.5°	1849.8	1901.9	1928.8	1932.4	1939.6	1937.8	1936.0	1943.1	1961.2	1964.7	1964.7
15°	1821.0	1882.1	1907.3	1910.8	1923.4	1919.8	1919.8	1927.0	1946.8	1952.2	1950.4
17.5°	1781.6	1857.0	1885.7	1891.1	1900.1	1898.2	1900.1	1907.3	1925.2	1928.8	1930.6
20°	1736.7	1822.8	1857.0	1862.4	1871.4	1871.4	1871.4	1880.3	1898.2	1905.5	1905.5
22.5°	1675.6	1786.9	1822.8	1826.5	1837.2	1837.2	1840.9	1853.3	1869.5	1871.4	1871.4
25°	1603.8	1747.4	1777.9	1788.7	1799.5	1804.9	1810.3	1817.5	1822.8	1821.0	1822.8
27.5°	1528.3	1697.1	1736.7	1743.8	1758.2	1763.5	1770.8	1772.6	1774.4	1779.7	1776.1
30°	1443.9	1627.1	1686.3	1693.6	1716.9	1720.5	1713.3	1716.9	1725.9	1729.5	1733.0
32.5°	1348.7	1522.9	1634.3	1650.5	1672.0	1661.3	1659.4	1664.8	1679.2	1679.2	1682.8
35°	1219.4	1442.1	1585.8	1600.2	1616.4	1603.8	1610.9	1612.7	1621.7	1627.1	1625.3
37.5°	1077.6	1372.0	1535.5	1546.3	1558.9	1542.7	1553.4	1558.9	1566.0	1562.4	1562.4
40°	951.8	1262.5	1476.2	1483.4	1494.2	1481.7	1492.4	1496.0	1499.6	1496.0	1494.2
42.5°	858.4	1142.2	1413.4	1422.4	1415.2	1424.2	1427.7	1435.0	1429.5	1422.4	1422.4
45°	786.6	1109.9	1345.2	1355.9	1345.2	1359.5	1364.9	1364.9	1348.7	1345.2	1343.3
47.5°	763.3	1045.3	1276.9	1276.9	1271.5	1289.5	1298.4	1285.9	1269.8	1264.3	1264.3
50°	761.5	973.4	1183.5	1176.3	1201.5	1223.0	1214.1	1201.5	1188.9	1169.2	1169.2
52.5°	691.4	885.4	1063.2	1090.2	1129.6	1142.2	1127.8	1115.2	1093.7	1084.7	1077.6
55°	641.2	793.8	953.6	1007.5	1048.8	1065.0	1038.0	1025.4	993.1	987.8	984.2
57.5°	630.4	660.9	853.1	921.3	971.6	969.8	953.6	930.3	903.3	898.0	896.2
60°	578.3	477.7	745.3	826.1	878.2	872.8	858.4	836.9	811.7	808.2	804.6
62.5°	524.4	346.6	623.1	714.8	788.4	786.6	774.1	741.7	723.7	714.8	707.6
65°	445.4	290.9	443.6	594.5	700.4	704.0	677.1	653.8	633.9	623.1	621.4
67.5°	339.5	237.1	299.9	495.7	616.0	612.4	578.3	567.5	542.4	537.0	526.2
70°	251.5	158.1	208.3	402.3	533.4	524.4	497.5	484.9	461.6	449.0	441.8
72.5°	208.3	127.5	152.6	312.5	449.0	438.2	414.9	400.5	380.7	370.0	362.8
75°	168.8	134.7	116.8	231.6	364.5	357.4	335.8	321.4	305.3	290.9	292.7
77.5°	123.9	125.7	93.4	170.6	289.1	278.4	265.8	247.9	240.7	226.3	226.3
80°	93.4	98.8	70.1	116.8	208.3	208.3	197.5	185.0	172.4	165.2	165.2
82.5°	62.8	62.8	52.0	73.6	141.8	136.5	129.3	125.7	118.5	115.0	115.0
85°	28.7	35.9	32.3	44.9	77.2	80.8	80.8	77.2	75.4	71.9	73.6
87.5°	9.0	16.2	19.7	25.2	39.5	41.3	43.1	43.1	43.1	44.9	44.9
90°	16.7	30.1	43.5	46.8	73.5	109.1	126.9	112.8	84.6	63.5	63.5
92.5°	66.8	180.3	293.9	322.3	453.2	627.6	714.8	626.4	449.8	317.3	304.7
95°	160.3	368.1	576.0	628.0	1115.2	1764.7	2089.4	1864.5	1414.7	1077.3	1039.1
97.5°	277.2	460.6	643.9	689.8	1502.1	2585.1	3126.6	2984.5	2700.2	2486.9	2414.2
100°	367.4	533.7	700.0	741.6	1643.0	2844.7	3445.6	3456.0	3476.8	3492.4	3405.7
102.5°	444.3	599.4	754.5	793.4	1707.5	2926.4	3535.8	3717.0	4079.2	4350.9	4276.6
105°	574.6	706.0	837.4	870.2	1755.4	2935.6	3525.8	3931.8	4743.9	5353.0	5313.1
107.5°	708.2	830.7	953.1	983.8	1764.3	2805.0	3325.4	3891.7	5024.5	5874.1	5883.7
110°	798.4	909.0	1019.6	1047.2	1751.0	2689.2	3158.4	3791.6	5057.9	6007.7	6049.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	886.9	992.3	1097.7	1124.1	1751.5	2588.1	3006.3	3654.4	4950.5	5922.5	5986.4
115°	1020.5	1117.7	1215.0	1239.3	1767.7	2472.1	2824.3	3448.6	4697.1	5633.6	5722.1
117.5°	1152.5	1240.7	1329.1	1351.2	1800.4	2399.5	2699.0	3262.4	4389.3	5234.4	5332.6
120°	1229.2	1312.4	1395.5	1416.3	1827.2	2375.0	2648.9	3163.7	4193.3	4965.5	5060.9
122.5°	1304.4	1388.3	1472.2	1493.2	1865.7	2362.2	2610.6	3074.1	4001.3	4696.6	4790.7
125°	1419.7	1496.1	1572.6	1591.7	1917.4	2351.7	2568.8	2962.6	3750.2	4340.8	4427.5
127.5°	1513.2	1590.4	1667.6	1686.9	1969.1	2345.5	2533.7	2871.8	3548.1	4055.3	4128.4
130°	1563.3	1646.4	1729.5	1750.3	2007.0	2349.2	2520.3	2821.3	3423.4	3874.9	3942.4
132.5°	1615.1	1698.2	1781.3	1802.1	2037.6	2351.6	2508.6	2778.1	3317.1	3721.2	3781.8
135°	1691.9	1767.6	1843.3	1862.3	2071.1	2349.5	2488.6	2714.3	3165.6	3504.1	3556.2
137.5°	1770.4	1845.4	1920.4	1939.1	2121.1	2363.8	2485.2	2676.0	3057.6	3343.8	3386.4
140°	1835.6	1904.6	1973.7	1990.9	2151.7	2366.2	2473.5	2638.3	2968.0	3215.1	3255.0
142.5°	1885.7	1949.5	2013.3	2029.3	2177.4	2374.8	2473.5	2618.3	2907.8	3125.0	3159.3
145°	1962.5	2018.2	2073.8	2087.7	2210.8	2374.8	2456.8	2575.2	2812.0	2989.7	3015.6
147.5°	2039.3	2093.5	2147.6	2161.2	2259.8	2391.2	2456.8	2550.0	2736.3	2876.1	2897.6
150°	2089.4	2138.4	2187.5	2199.7	2285.4	2399.7	2456.8	2535.6	2692.9	2810.9	2828.4
152.5°	2141.2	2178.3	2215.4	2224.7	2302.1	2405.3	2456.8	2524.1	2658.4	2759.2	2772.4
155°	2218.1	2245.6	2273.0	2279.8	2338.8	2417.5	2456.8	2510.3	2617.3	2697.4	2706.2
157.5°	2274.8	2301.5	2328.2	2334.9	2375.5	2429.7	2456.8	2498.4	2581.5	2643.9	2650.1
160°	2313.2	2334.0	2354.8	2360.0	2392.3	2435.3	2456.8	2492.5	2563.7	2617.2	2620.7
162.5°	2351.6	2367.2	2382.8	2386.7	2410.1	2441.2	2456.8	2486.9	2547.1	2592.2	2595.5
165°	2393.4	2407.5	2421.6	2425.2	2435.7	2449.8	2456.8	2478.4	2521.4	2553.7	2557.3
167.5°	2431.9	2438.5	2445.2	2446.8	2455.8	2467.6	2473.5	2487.6	2515.8	2537.0	2538.5
170°	2456.8	2463.5	2470.2	2471.9	2472.5	2473.2	2473.5	2487.6	2515.8	2537.0	2537.0
172.5°	2470.2	2471.7	2473.2	2473.5	2473.5	2473.5	2473.5	2484.7	2507.0	2523.7	2522.4
175°	2488.6	2488.6	2488.6	2488.6	2483.6	2476.9	2473.5	2480.6	2494.7	2505.3	2505.3
177.5°	2488.6	2488.6	2488.6	2488.6	2484.7	2479.5	2476.9	2482.5	2493.6	2501.9	2500.4
180°	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2
2.5°	1946.8	1941.4	1946.8	1943.1	1944.9	1939.6	1923.4	1918.1	1923.4	1928.8	1928.8
5°	1970.1	1966.5	1970.1	1970.1	1968.3	1964.7	1946.8	1943.1	1946.8	1948.6	1944.9
7.5°	1977.3	1971.9	1977.3	1973.7	1973.7	1970.1	1952.2	1948.6	1950.4	1955.7	1950.4
10°	1977.3	1971.9	1977.3	1975.5	1973.7	1970.1	1952.2	1944.9	1944.9	1950.4	1944.9
12.5°	1968.3	1964.7	1968.3	1964.7	1964.7	1961.2	1943.1	1936.0	1937.8	1939.6	1932.4
15°	1953.9	1948.6	1953.9	1950.4	1952.2	1946.8	1927.0	1919.8	1919.8	1923.4	1910.8
17.5°	1932.4	1925.2	1932.4	1930.6	1928.8	1925.2	1907.3	1900.1	1898.2	1900.1	1891.1
20°	1907.3	1901.9	1907.3	1905.5	1905.5	1898.2	1880.3	1871.4	1871.4	1871.4	1862.4
22.5°	1867.7	1862.4	1867.7	1871.4	1871.4	1869.5	1853.3	1840.9	1837.2	1837.2	1826.5
25°	1822.8	1817.5	1822.8	1822.8	1821.0	1822.8	1817.5	1810.3	1804.9	1799.5	1788.7
27.5°	1779.7	1776.1	1779.7	1776.1	1779.7	1774.4	1772.6	1770.8	1763.5	1758.2	1743.8
30°	1736.7	1733.0	1736.7	1733.0	1729.5	1725.9	1716.9	1713.3	1720.5	1716.9	1693.6
32.5°	1682.8	1679.2	1682.8	1682.8	1679.2	1679.2	1664.8	1659.4	1661.3	1672.0	1650.5
35°	1627.1	1621.7	1627.1	1625.3	1627.1	1621.7	1612.7	1610.9	1603.8	1616.4	1600.2
37.5°	1562.4	1557.1	1562.4	1562.4	1562.4	1566.0	1558.9	1553.4	1542.7	1558.9	1546.3
40°	1496.0	1488.8	1496.0	1494.2	1496.0	1499.6	1496.0	1492.4	1481.7	1494.2	1483.4
42.5°	1420.6	1418.7	1420.6	1422.4	1422.4	1429.5	1435.0	1427.7	1424.2	1415.2	1422.4
45°	1339.7	1336.2	1339.7	1343.3	1345.2	1348.7	1364.9	1364.9	1359.5	1345.2	1355.9
47.5°	1253.5	1244.6	1253.5	1264.3	1264.3	1269.8	1285.9	1298.4	1289.5	1271.5	1276.9
50°	1161.9	1163.7	1161.9	1169.2	1169.2	1188.9	1201.5	1214.1	1223.0	1201.5	1176.3
52.5°	1072.1	1070.3	1072.1	1077.6	1084.7	1093.7	1115.2	1127.8	1142.2	1129.6	1090.2
55°	982.3	986.0	982.3	984.2	987.8	993.1	1025.4	1038.0	1065.0	1048.8	1007.5
57.5°	892.5	887.2	892.5	896.2	898.0	903.3	930.3	953.6	969.8	971.6	921.3
60°	788.4	781.2	788.4	804.6	808.2	811.7	836.9	858.4	872.8	878.2	826.1
62.5°	696.8	684.3	696.8	707.6	714.8	723.7	741.7	774.1	786.6	788.4	714.8
65°	599.8	594.5	599.8	621.4	623.1	633.9	653.8	677.1	704.0	700.4	594.5
67.5°	511.8	511.8	511.8	526.2	537.0	542.4	567.5	578.3	612.4	616.0	495.7
70°	431.0	429.3	431.0	441.8	449.0	461.6	484.9	497.5	524.4	533.4	402.3
72.5°	353.8	352.0	353.8	362.8	370.0	380.7	400.5	414.9	438.2	449.0	312.5
75°	285.5	282.0	285.5	292.7	290.9	305.3	321.4	335.8	357.4	364.5	231.6
77.5°	219.1	219.1	219.1	226.3	226.3	240.7	247.9	265.8	278.4	289.1	170.6
80°	163.4	161.7	163.4	165.2	165.2	172.4	185.0	197.5	208.3	208.3	116.8
82.5°	115.0	111.3	115.0	115.0	115.0	118.5	125.7	129.3	136.5	141.8	73.6
85°	71.9	71.9	71.9	73.6	71.9	75.4	77.2	80.8	80.8	77.2	44.9
87.5°	46.7	44.9	46.7	44.9	44.9	43.1	43.1	43.1	41.3	39.5	25.2
90°	63.5	63.5	63.5	63.5	63.5	84.6	112.8	126.9	109.1	73.5	46.8
92.5°	254.2	203.8	254.2	304.7	317.3	449.8	626.4	714.8	627.6	453.2	322.3
95°	886.1	733.2	886.1	1039.1	1077.3	1414.7	1864.5	2089.4	1764.7	1115.2	628.0
97.5°	2123.2	1832.2	2123.2	2414.2	2486.9	2700.2	2984.5	3126.6	2585.1	1502.1	689.8
100°	3059.1	2712.4	3059.1	3405.7	3492.4	3476.8	3456.0	3445.6	2844.7	1643.0	741.6
102.5°	3979.7	3682.8	3979.7	4276.6	4350.9	4079.2	3717.0	3535.8	2926.4	1707.5	793.4
105°	5153.5	4993.9	5153.5	5313.1	5353.0	4743.9	3931.8	3525.8	2935.6	1755.4	870.2
107.5°	5922.4	5960.9	5922.4	5883.7	5874.1	5024.5	3891.7	3325.4	2805.0	1764.3	983.8
110°	6215.6	6381.9	6215.6	6049.3	6007.7	5057.9	3791.6	3158.4	2689.2	1751.0	1047.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6241.7	6497.1	6241.7	5986.4	5922.5	4950.5	3654.4	3006.3	2588.1	1751.5	1124.1
115°	6076.2	6430.3	6076.2	5722.1	5633.6	4697.1	3448.6	2824.3	2472.1	1767.7	1239.3
117.5°	5725.3	6117.9	5725.3	5332.6	5234.4	4389.3	3262.4	2699.0	2399.5	1800.4	1351.2
120°	5442.4	5824.0	5442.4	5060.9	4965.5	4193.3	3163.7	2648.9	2375.0	1827.2	1416.3
122.5°	5167.1	5543.4	5167.1	4790.7	4696.6	4001.3	3074.1	2610.6	2362.2	1865.7	1493.2
125°	4774.2	5120.9	4774.2	4427.5	4340.8	3750.2	2962.6	2568.8	2351.7	1917.4	1591.7
127.5°	4420.9	4713.3	4420.9	4128.4	4055.3	3548.1	2871.8	2533.7	2345.5	1969.1	1686.9
130°	4212.6	4482.8	4212.6	3942.4	3874.9	3423.4	2821.3	2520.3	2349.2	2007.0	1750.3
132.5°	4023.7	4265.7	4023.7	3781.8	3721.2	3317.1	2778.1	2508.6	2351.6	2037.6	1802.1
135°	3764.8	3973.4	3764.8	3556.2	3504.1	3165.6	2714.3	2488.6	2349.5	2071.1	1862.3
137.5°	3557.2	3727.8	3557.2	3386.4	3343.8	3057.6	2676.0	2485.2	2363.8	2121.1	1939.1
140°	3414.6	3574.2	3414.6	3255.0	3215.1	2968.0	2638.3	2473.5	2366.2	2151.7	1990.9
142.5°	3296.6	3433.9	3296.6	3159.3	3125.0	2907.8	2618.3	2473.5	2374.8	2177.4	2029.3
145°	3119.6	3223.5	3119.6	3015.6	2989.7	2812.0	2575.2	2456.8	2374.8	2210.8	2087.7
147.5°	2983.8	3069.8	2983.8	2897.6	2876.1	2736.3	2550.0	2456.8	2391.2	2259.8	2161.2
150°	2898.2	2968.0	2898.2	2828.4	2810.9	2692.9	2535.6	2456.8	2399.7	2285.4	2199.7
152.5°	2825.1	2877.7	2825.1	2772.4	2759.2	2658.4	2524.1	2456.8	2405.3	2302.1	2224.7
155°	2741.0	2775.9	2741.0	2706.2	2697.4	2617.3	2510.3	2456.8	2417.5	2338.8	2279.8
157.5°	2674.6	2699.0	2674.6	2650.1	2643.9	2581.5	2498.4	2456.8	2429.7	2375.5	2334.9
160°	2634.8	2648.9	2634.8	2620.7	2617.2	2563.7	2492.5	2456.8	2435.3	2392.3	2360.0
162.5°	2608.9	2622.2	2608.9	2595.5	2592.2	2547.1	2486.9	2456.8	2441.2	2410.1	2386.7
165°	2571.4	2585.5	2571.4	2557.3	2553.7	2521.4	2478.4	2456.8	2449.8	2435.7	2425.2
167.5°	2544.4	2550.4	2544.4	2538.5	2537.0	2515.8	2487.6	2473.5	2467.6	2455.8	2446.8
170°	2537.0	2537.0	2537.0	2537.0	2537.0	2515.8	2487.6	2473.5	2473.2	2472.5	2471.9
172.5°	2517.2	2512.0	2517.2	2522.4	2523.7	2507.0	2484.7	2473.5	2473.5	2473.5	2473.5
175°	2505.3	2505.3	2505.3	2505.3	2505.3	2494.7	2480.6	2473.5	2476.9	2483.6	2488.6
177.5°	2494.5	2488.6	2494.5	2500.4	2501.9	2493.6	2482.5	2476.9	2479.5	2484.7	2488.6
180°	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2
2.5°	1925.2	1914.4	1914.4	1896.5	1889.3	1883.9	1874.9	1848.0	1840.9	1833.6	1844.4
5°	1941.4	1921.6	1907.3	1874.9	1848.0	1837.2	1803.1	1738.5	1695.4	1663.0	1645.1
7.5°	1944.9	1919.8	1892.9	1842.6	1777.9	1749.2	1645.1	1526.6	1494.2	1465.5	1447.5
10°	1941.4	1912.6	1874.9	1799.5	1646.9	1596.5	1492.4	1415.2	1395.4	1390.1	1395.4
12.5°	1928.8	1901.9	1849.8	1724.1	1510.4	1476.2	1415.2	1370.3	1366.7	1375.7	1424.2
15°	1907.3	1882.1	1821.0	1623.5	1435.0	1409.8	1366.7	1350.5	1370.3	1433.1	1578.6
17.5°	1885.7	1857.0	1781.6	1524.8	1377.5	1359.5	1328.9	1361.3	1472.6	1557.1	1605.6
20°	1857.0	1822.8	1736.7	1452.9	1336.2	1320.0	1305.6	1451.1	1535.5	1566.0	1593.0
22.5°	1822.8	1786.9	1675.6	1402.6	1293.0	1280.5	1289.5	1501.4	1535.5	1557.1	1580.4
25°	1777.9	1747.4	1603.8	1363.1	1259.0	1244.6	1278.7	1496.0	1515.8	1521.1	1567.8
27.5°	1736.7	1697.1	1528.3	1327.1	1217.6	1212.3	1287.7	1472.6	1487.0	1492.4	1542.7
30°	1686.3	1627.1	1443.9	1289.5	1174.5	1172.7	1289.5	1443.9	1440.3	1454.7	1505.0
32.5°	1634.3	1522.9	1348.7	1242.8	1133.2	1131.4	1276.9	1400.8	1397.2	1416.9	1454.7
35°	1585.8	1442.1	1219.4	1188.9	1081.1	1082.9	1246.4	1350.5	1352.3	1370.3	1393.6
37.5°	1535.5	1372.0	1077.6	1129.6	1030.9	1030.9	1205.0	1303.9	1300.3	1305.6	1337.9
40°	1476.2	1262.5	951.8	1052.4	984.2	978.8	1154.8	1253.5	1241.0	1239.2	1284.0
42.5°	1413.4	1142.2	858.4	950.0	930.3	923.1	1093.7	1192.5	1169.2	1174.5	1232.0
45°	1345.2	1109.9	786.6	802.7	874.6	869.2	1027.2	1122.5	1106.3	1120.7	1180.0
47.5°	1276.9	1045.3	763.3	666.3	815.3	813.5	953.6	1054.2	1045.3	1059.6	1122.5
50°	1183.5	973.4	761.5	571.1	748.9	756.0	865.7	987.8	987.8	1000.4	1066.8
52.5°	1063.2	885.4	691.4	517.2	671.7	693.2	788.4	930.3	933.9	946.4	1005.7
55°	953.6	793.8	641.2	475.9	580.1	626.8	712.9	871.0	878.2	890.7	944.7
57.5°	853.1	660.9	630.4	427.4	495.7	540.6	646.5	813.5	817.1	827.9	880.0
60°	745.3	477.7	578.3	375.3	422.0	456.1	585.5	745.3	757.8	765.1	810.0
62.5°	623.1	346.6	524.4	339.5	386.1	393.3	535.2	680.6	696.8	702.2	729.2
65°	443.6	290.9	445.4	308.9	348.4	350.2	481.3	614.2	628.6	637.5	657.3
67.5°	299.9	237.1	339.5	280.2	319.6	321.4	429.3	537.0	556.7	564.0	576.5
70°	208.3	158.1	251.5	249.7	287.3	290.9	373.6	466.9	484.9	490.3	497.5
72.5°	152.6	127.5	208.3	224.5	253.2	256.8	316.1	387.9	405.9	411.2	414.9
75°	116.8	134.7	168.8	195.8	215.5	217.3	258.6	316.1	328.7	332.2	334.0
77.5°	93.4	125.7	123.9	158.1	176.0	172.4	203.0	244.2	255.0	255.0	255.0
80°	70.1	98.8	93.4	113.2	129.3	125.7	145.5	174.2	177.8	181.4	179.6
82.5°	52.0	62.8	62.8	71.9	86.2	82.7	96.9	113.2	113.2	113.2	116.8
85°	32.3	35.9	28.7	37.8	48.5	46.7	53.9	61.1	62.8	62.8	59.3
87.5°	19.7	16.2	9.0	14.4	21.5	21.5	25.2	27.0	25.2	25.2	25.2
90°	43.5	30.1	16.7	30.1	43.5	46.8	73.5	109.1	126.9	112.8	84.6
92.5°	293.9	180.3	66.8	180.3	293.9	322.3	453.2	627.6	714.8	626.4	449.8
95°	576.0	368.1	160.3	368.1	576.0	628.0	1115.2	1764.7	2089.4	1864.5	1414.7
97.5°	643.9	460.6	277.2	460.6	643.9	689.8	1502.1	2585.1	3126.6	2984.5	2700.2
100°	700.0	533.7	367.4	533.7	700.0	741.6	1643.0	2844.7	3445.6	3456.0	3476.8
102.5°	754.5	599.4	444.3	599.4	754.5	793.4	1707.5	2926.4	3535.8	3717.0	4079.2
105°	837.4	706.0	574.6	706.0	837.4	870.2	1755.4	2935.6	3525.8	3931.8	4743.9
107.5°	953.1	830.7	708.2	830.7	953.1	983.8	1764.3	2805.0	3325.4	3891.7	5024.5
110°	1019.6	909.0	798.4	909.0	1019.6	1047.2	1751.0	2689.2	3158.4	3791.6	5057.9



TEST NUMBER: P935827

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1097.7	992.3	886.9	992.3	1097.7	1124.1	1751.5	2588.1	3006.3	3654.4	4950.5
115°	1215.0	1117.7	1020.5	1117.7	1215.0	1239.3	1767.7	2472.1	2824.3	3448.6	4697.1
117.5°	1329.1	1240.7	1152.5	1240.7	1329.1	1351.2	1800.4	2399.5	2699.0	3262.4	4389.3
120°	1395.5	1312.4	1229.2	1312.4	1395.5	1416.3	1827.2	2375.0	2648.9	3163.7	4193.3
122.5°	1472.2	1388.3	1304.4	1388.3	1472.2	1493.2	1865.7	2362.2	2610.6	3074.1	4001.3
125°	1572.6	1496.1	1419.7	1496.1	1572.6	1591.7	1917.4	2351.7	2568.8	2962.6	3750.2
127.5°	1667.6	1590.4	1513.2	1590.4	1667.6	1686.9	1969.1	2345.5	2533.7	2871.8	3548.1
130°	1729.5	1646.4	1563.3	1646.4	1729.5	1750.3	2007.0	2349.2	2520.3	2821.3	3423.4
132.5°	1781.3	1698.2	1615.1	1698.2	1781.3	1802.1	2037.6	2351.6	2508.6	2778.1	3317.1
135°	1843.3	1767.6	1691.9	1767.6	1843.3	1862.3	2071.1	2349.5	2488.6	2714.3	3165.6
137.5°	1920.4	1845.4	1770.4	1845.4	1920.4	1939.1	2121.1	2363.8	2485.2	2676.0	3057.6
140°	1973.7	1904.6	1835.6	1904.6	1973.7	1990.9	2151.7	2366.2	2473.5	2638.3	2968.0
142.5°	2013.3	1949.5	1885.7	1949.5	2013.3	2029.3	2177.4	2374.8	2473.5	2618.3	2907.8
145°	2073.8	2018.2	1962.5	2018.2	2073.8	2087.7	2210.8	2374.8	2456.8	2575.2	2812.0
147.5°	2147.6	2093.5	2039.3	2093.5	2147.6	2161.2	2259.8	2391.2	2456.8	2550.0	2736.3
150°	2187.5	2138.4	2089.4	2138.4	2187.5	2199.7	2285.4	2399.7	2456.8	2535.6	2692.9
152.5°	2215.4	2178.3	2141.2	2178.3	2215.4	2224.7	2302.1	2405.3	2456.8	2524.1	2658.4
155°	2273.0	2245.6	2218.1	2245.6	2273.0	2279.8	2338.8	2417.5	2456.8	2510.3	2617.3
157.5°	2328.2	2301.5	2274.8	2301.5	2328.2	2334.9	2375.5	2429.7	2456.8	2498.4	2581.5
160°	2354.8	2334.0	2313.2	2334.0	2354.8	2360.0	2392.3	2435.3	2456.8	2492.5	2563.7
162.5°	2382.8	2367.2	2351.6	2367.2	2382.8	2386.7	2410.1	2441.2	2456.8	2486.9	2547.1
165°	2421.6	2407.5	2393.4	2407.5	2421.6	2425.2	2435.7	2449.8	2456.8	2478.4	2521.4
167.5°	2445.2	2438.5	2431.9	2438.5	2445.2	2446.8	2455.8	2467.6	2473.5	2487.6	2515.8
170°	2470.2	2463.5	2456.8	2463.5	2470.2	2471.9	2472.5	2473.2	2473.5	2487.6	2515.8
172.5°	2473.2	2471.7	2470.2	2471.7	2473.2	2473.5	2473.5	2473.5	2473.5	2484.7	2507.0
175°	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2483.6	2476.9	2473.5	2480.6	2494.7
177.5°	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2484.7	2479.5	2476.9	2482.5	2493.6
180°	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6



TEST NUMBER: P935827

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2
2.5°	1831.8	1826.5	1833.6	1813.9	1833.6	1826.5	1831.8	1844.4	1833.6	1840.9	1848.0
5°	1607.3	1598.3	1569.7	1546.3	1569.7	1598.3	1607.3	1645.1	1663.0	1695.4	1738.5
7.5°	1436.8	1429.5	1422.4	1408.0	1422.4	1429.5	1436.8	1447.5	1465.5	1494.2	1526.6
10°	1399.0	1400.8	1411.6	1409.8	1411.6	1400.8	1399.0	1395.4	1390.1	1395.4	1415.2
12.5°	1496.0	1512.2	1571.5	1567.8	1571.5	1512.2	1496.0	1424.2	1375.7	1366.7	1370.3
15°	1607.3	1612.7	1625.3	1627.1	1625.3	1612.7	1607.3	1578.6	1433.1	1370.3	1350.5
17.5°	1618.1	1619.9	1628.9	1628.9	1628.9	1619.9	1618.1	1605.6	1557.1	1472.6	1361.3
20°	1609.1	1612.7	1630.7	1634.3	1630.7	1612.7	1609.1	1593.0	1566.0	1535.5	1451.1
22.5°	1605.6	1612.7	1627.1	1625.3	1627.1	1612.7	1605.6	1580.4	1557.1	1535.5	1501.4
25°	1587.6	1587.6	1589.4	1591.2	1589.4	1587.6	1587.6	1567.8	1521.1	1515.8	1496.0
27.5°	1549.9	1553.4	1564.2	1562.4	1564.2	1553.4	1549.9	1542.7	1492.4	1487.0	1472.6
30°	1515.8	1512.2	1503.2	1496.0	1503.2	1512.2	1515.8	1505.0	1454.7	1440.3	1443.9
32.5°	1458.3	1449.3	1440.3	1435.0	1440.3	1449.3	1458.3	1454.7	1416.9	1397.2	1400.8
35°	1390.1	1391.9	1390.1	1384.6	1390.1	1391.9	1390.1	1393.6	1370.3	1352.3	1350.5
37.5°	1341.5	1345.2	1343.3	1336.2	1343.3	1345.2	1341.5	1337.9	1305.6	1300.3	1303.9
40°	1291.3	1293.0	1291.3	1285.9	1291.3	1293.0	1291.3	1284.0	1239.2	1241.0	1253.5
42.5°	1242.8	1241.0	1235.6	1232.0	1235.6	1241.0	1242.8	1232.0	1174.5	1169.2	1192.5
45°	1187.1	1188.9	1178.1	1172.7	1178.1	1188.9	1187.1	1180.0	1120.7	1106.3	1122.5
47.5°	1131.4	1131.4	1122.5	1117.0	1122.5	1131.4	1131.4	1122.5	1059.6	1045.3	1054.2
50°	1072.1	1070.3	1057.8	1056.0	1057.8	1070.3	1072.1	1066.8	1000.4	987.8	987.8
52.5°	1003.9	1003.9	1005.7	1009.3	1005.7	1003.9	1003.9	1005.7	946.4	933.9	930.3
55°	944.7	946.4	959.0	962.6	959.0	946.4	944.7	944.7	890.7	878.2	871.0
57.5°	883.6	883.6	892.5	892.5	892.5	883.6	883.6	880.0	827.9	817.1	813.5
60°	813.5	817.1	824.3	822.5	824.3	817.1	813.5	810.0	765.1	757.8	745.3
62.5°	739.9	743.6	745.3	741.7	745.3	743.6	739.9	729.2	702.2	696.8	680.6
65°	662.7	666.3	668.0	664.5	668.0	666.3	662.7	657.3	637.5	628.6	614.2
67.5°	583.7	581.9	580.1	587.3	580.1	581.9	583.7	576.5	564.0	556.7	537.0
70°	502.8	502.8	501.0	504.7	501.0	502.8	502.8	497.5	490.3	484.9	466.9
72.5°	416.7	414.9	422.0	416.7	422.0	414.9	416.7	414.9	411.2	405.9	387.9
75°	332.2	335.8	332.2	337.6	332.2	335.8	332.2	334.0	332.2	328.7	316.1
77.5°	253.2	256.8	253.2	253.2	253.2	256.8	253.2	255.0	255.0	255.0	244.2
80°	179.6	177.8	177.8	176.0	177.8	177.8	179.6	179.6	181.4	177.8	174.2
82.5°	115.0	113.2	113.2	116.8	113.2	113.2	115.0	116.8	113.2	113.2	113.2
85°	62.8	64.6	61.1	61.1	61.1	64.6	62.8	59.3	62.8	62.8	61.1
87.5°	23.4	21.5	21.5	21.5	21.5	21.5	23.4	25.2	25.2	25.2	27.0
90°	63.5	63.5	63.5	63.5	63.5	63.5	63.5	84.6	112.8	126.9	109.1
92.5°	317.3	304.7	254.2	203.8	254.2	304.7	317.3	449.8	626.4	714.8	627.6
95°	1077.3	1039.1	886.1	733.2	886.1	1039.1	1077.3	1414.7	1864.5	2089.4	1764.7
97.5°	2486.9	2414.2	2123.2	1832.2	2123.2	2414.2	2486.9	2700.2	2984.5	3126.6	2585.1
100°	3492.4	3405.7	3059.1	2712.4	3059.1	3405.7	3492.4	3476.8	3456.0	3445.6	2844.7
102.5°	4350.9	4276.6	3979.7	3682.8	3979.7	4276.6	4350.9	4079.2	3717.0	3535.8	2926.4
105°	5353.0	5313.1	5153.5	4993.9	5153.5	5313.1	5353.0	4743.9	3931.8	3525.8	2935.6
107.5°	5874.1	5883.7	5922.4	5960.9	5922.4	5883.7	5874.1	5024.5	3891.7	3325.4	2805.0
110°	6007.7	6049.3	6215.6	6381.9	6215.6	6049.3	6007.7	5057.9	3791.6	3158.4	2689.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5922.5	5986.4	6241.7	6497.1	6241.7	5986.4	5922.5	4950.5	3654.4	3006.3	2588.1
115°	5633.6	5722.1	6076.2	6430.3	6076.2	5722.1	5633.6	4697.1	3448.6	2824.3	2472.1
117.5°	5234.4	5332.6	5725.3	6117.9	5725.3	5332.6	5234.4	4389.3	3262.4	2699.0	2399.5
120°	4965.5	5060.9	5442.4	5824.0	5442.4	5060.9	4965.5	4193.3	3163.7	2648.9	2375.0
122.5°	4696.6	4790.7	5167.1	5543.4	5167.1	4790.7	4696.6	4001.3	3074.1	2610.6	2362.2
125°	4340.8	4427.5	4774.2	5120.9	4774.2	4427.5	4340.8	3750.2	2962.6	2568.8	2351.7
127.5°	4055.3	4128.4	4420.9	4713.3	4420.9	4128.4	4055.3	3548.1	2871.8	2533.7	2345.5
130°	3874.9	3942.4	4212.6	4482.8	4212.6	3942.4	3874.9	3423.4	2821.3	2520.3	2349.2
132.5°	3721.2	3781.8	4023.7	4265.7	4023.7	3781.8	3721.2	3317.1	2778.1	2508.6	2351.6
135°	3504.1	3556.2	3764.8	3973.4	3764.8	3556.2	3504.1	3165.6	2714.3	2488.6	2349.5
137.5°	3343.8	3386.4	3557.2	3727.8	3557.2	3386.4	3343.8	3057.6	2676.0	2485.2	2363.8
140°	3215.1	3255.0	3414.6	3574.2	3414.6	3255.0	3215.1	2968.0	2638.3	2473.5	2366.2
142.5°	3125.0	3159.3	3296.6	3433.9	3296.6	3159.3	3125.0	2907.8	2618.3	2473.5	2374.8
145°	2989.7	3015.6	3119.6	3223.5	3119.6	3015.6	2989.7	2812.0	2575.2	2456.8	2374.8
147.5°	2876.1	2897.6	2983.8	3069.8	2983.8	2897.6	2876.1	2736.3	2550.0	2456.8	2391.2
150°	2810.9	2828.4	2898.2	2968.0	2898.2	2828.4	2810.9	2692.9	2535.6	2456.8	2399.7
152.5°	2759.2	2772.4	2825.1	2877.7	2825.1	2772.4	2759.2	2658.4	2524.1	2456.8	2405.3
155°	2697.4	2706.2	2741.0	2775.9	2741.0	2706.2	2697.4	2617.3	2510.3	2456.8	2417.5
157.5°	2643.9	2650.1	2674.6	2699.0	2674.6	2650.1	2643.9	2581.5	2498.4	2456.8	2429.7
160°	2617.2	2620.7	2634.8	2648.9	2634.8	2620.7	2617.2	2563.7	2492.5	2456.8	2435.3
162.5°	2592.2	2595.5	2608.9	2622.2	2608.9	2595.5	2592.2	2547.1	2486.9	2456.8	2441.2
165°	2553.7	2557.3	2571.4	2585.5	2571.4	2557.3	2553.7	2521.4	2478.4	2456.8	2449.8
167.5°	2537.0	2538.5	2544.4	2550.4	2544.4	2538.5	2537.0	2515.8	2487.6	2473.5	2467.6
170°	2537.0	2537.0	2537.0	2537.0	2537.0	2537.0	2537.0	2515.8	2487.6	2473.5	2473.2
172.5°	2523.7	2522.4	2517.2	2512.0	2517.2	2522.4	2523.7	2507.0	2484.7	2473.5	2473.5
175°	2505.3	2505.3	2505.3	2505.3	2505.3	2505.3	2505.3	2494.7	2480.6	2473.5	2476.9
177.5°	2501.9	2500.4	2494.5	2488.6	2494.5	2500.4	2501.9	2493.6	2482.5	2476.9	2479.5
180°	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1898.2	1898.2	1898.2	1898.2	1898.2
2.5°	1874.9	1883.9	1889.3	1896.5	1914.4
5°	1803.1	1837.2	1848.0	1874.9	1907.3
7.5°	1645.1	1749.2	1777.9	1842.6	1892.9
10°	1492.4	1596.5	1646.9	1799.5	1874.9
12.5°	1415.2	1476.2	1510.4	1724.1	1849.8
15°	1366.7	1409.8	1435.0	1623.5	1821.0
17.5°	1328.9	1359.5	1377.5	1524.8	1781.6
20°	1305.6	1320.0	1336.2	1452.9	1736.7
22.5°	1289.5	1280.5	1293.0	1402.6	1675.6
25°	1278.7	1244.6	1259.0	1363.1	1603.8
27.5°	1287.7	1212.3	1217.6	1327.1	1528.3
30°	1289.5	1172.7	1174.5	1289.5	1443.9
32.5°	1276.9	1131.4	1133.2	1242.8	1348.7
35°	1246.4	1082.9	1081.1	1188.9	1219.4
37.5°	1205.0	1030.9	1030.9	1129.6	1077.6
40°	1154.8	978.8	984.2	1052.4	951.8
42.5°	1093.7	923.1	930.3	950.0	858.4
45°	1027.2	869.2	874.6	802.7	786.6
47.5°	953.6	813.5	815.3	666.3	763.3
50°	865.7	756.0	748.9	571.1	761.5
52.5°	788.4	693.2	671.7	517.2	691.4
55°	712.9	626.8	580.1	475.9	641.2
57.5°	646.5	540.6	495.7	427.4	630.4
60°	585.5	456.1	422.0	375.3	578.3
62.5°	535.2	393.3	386.1	339.5	524.4
65°	481.3	350.2	348.4	308.9	445.4
67.5°	429.3	321.4	319.6	280.2	339.5
70°	373.6	290.9	287.3	249.7	251.5
72.5°	316.1	256.8	253.2	224.5	208.3
75°	258.6	217.3	215.5	195.8	168.8
77.5°	203.0	172.4	176.0	158.1	123.9
80°	145.5	125.7	129.3	113.2	93.4
82.5°	96.9	82.7	86.2	71.9	62.8
85°	53.9	46.7	48.5	37.8	28.7
87.5°	25.2	21.5	21.5	14.4	9.0
90°	73.5	46.8	43.5	30.1	16.7
92.5°	453.2	322.3	293.9	180.3	66.8
95°	1115.2	628.0	576.0	368.1	160.3
97.5°	1502.1	689.8	643.9	460.6	277.2
100°	1643.0	741.6	700.0	533.7	367.4
102.5°	1707.5	793.4	754.5	599.4	444.3
105°	1755.4	870.2	837.4	706.0	574.6
107.5°	1764.3	983.8	953.1	830.7	708.2
110°	1751.0	1047.2	1019.6	909.0	798.4



TEST NUMBER: P935827

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1751.5	1124.1	1097.7	992.3	886.9
115°	1767.7	1239.3	1215.0	1117.7	1020.5
117.5°	1800.4	1351.2	1329.1	1240.7	1152.5
120°	1827.2	1416.3	1395.5	1312.4	1229.2
122.5°	1865.7	1493.2	1472.2	1388.3	1304.4
125°	1917.4	1591.7	1572.6	1496.1	1419.7
127.5°	1969.1	1686.9	1667.6	1590.4	1513.2
130°	2007.0	1750.3	1729.5	1646.4	1563.3
132.5°	2037.6	1802.1	1781.3	1698.2	1615.1
135°	2071.1	1862.3	1843.3	1767.6	1691.9
137.5°	2121.1	1939.1	1920.4	1845.4	1770.4
140°	2151.7	1990.9	1973.7	1904.6	1835.6
142.5°	2177.4	2029.3	2013.3	1949.5	1885.7
145°	2210.8	2087.7	2073.8	2018.2	1962.5
147.5°	2259.8	2161.2	2147.6	2093.5	2039.3
150°	2285.4	2199.7	2187.5	2138.4	2089.4
152.5°	2302.1	2224.7	2215.4	2178.3	2141.2
155°	2338.8	2279.8	2273.0	2245.6	2218.1
157.5°	2375.5	2334.9	2328.2	2301.5	2274.8
160°	2392.3	2360.0	2354.8	2334.0	2313.2
162.5°	2410.1	2386.7	2382.8	2367.2	2351.6
165°	2435.7	2425.2	2421.6	2407.5	2393.4
167.5°	2455.8	2446.8	2445.2	2438.5	2431.9
170°	2472.5	2471.9	2470.2	2463.5	2456.8
172.5°	2473.5	2473.5	2473.2	2471.7	2470.2
175°	2483.6	2488.6	2488.6	2488.6	2488.6
177.5°	2484.7	2488.6	2488.6	2488.6	2488.6
180°	2488.6	2488.6	2488.6	2488.6	2488.6



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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	7.75	8.42	8.91	9.56	11.17	10.60	11.27	11.76	12.41	14.02
	3H	8.21	8.81	9.38	9.96	11.58	11.94	12.53	13.10	13.69	15.31
	4H	8.40	8.96	9.57	10.11	11.74	12.38	12.94	13.55	14.10	15.72
	6H	8.50	9.02	9.68	10.18	11.81	12.66	13.18	13.84	14.33	15.97
	8H	8.50	8.99	9.68	10.16	11.79	12.73	13.23	13.91	14.39	16.02
	12H	8.46	8.93	9.65	10.09	11.75	12.77	13.23	13.95	14.40	16.05
4H	2H	8.76	9.33	9.95	10.48	12.11	10.99	11.55	12.17	12.70	14.33
	3H	9.77	10.25	10.96	11.42	13.06	12.48	12.95	13.67	14.13	15.77
	4H	10.04	10.48	11.23	11.64	13.30	13.00	13.44	14.19	14.60	16.26
	6H	10.15	10.53	11.35	11.71	13.36	13.36	13.73	14.55	14.92	16.57
	8H	10.16	10.50	11.35	11.68	13.34	13.47	13.82	14.66	14.99	16.66
	12H	10.11	10.43	11.32	11.62	13.28	13.52	13.83	14.73	15.02	16.69
8H	4H	10.48	10.83	11.67	12.01	13.67	13.11	13.46	14.30	14.64	16.30
	6H	10.74	11.02	11.94	12.24	13.90	13.55	13.83	14.75	15.05	16.71
	8H	10.78	11.02	11.99	12.22	13.90	13.70	13.95	14.91	15.15	16.83
	12H	10.75	10.97	11.97	12.16	13.88	13.79	14.01	15.01	15.21	16.92
12H	4H	10.48	10.79	11.68	11.98	13.65	13.07	13.38	14.27	14.57	16.24
	6H	10.80	11.04	12.01	12.24	13.92	13.54	13.79	14.75	14.99	16.67
	8H	10.85	11.07	12.07	12.27	13.98	13.70	13.92	14.91	15.11	16.82