

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: P935828

Luminaire Tested: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935828
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-12-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

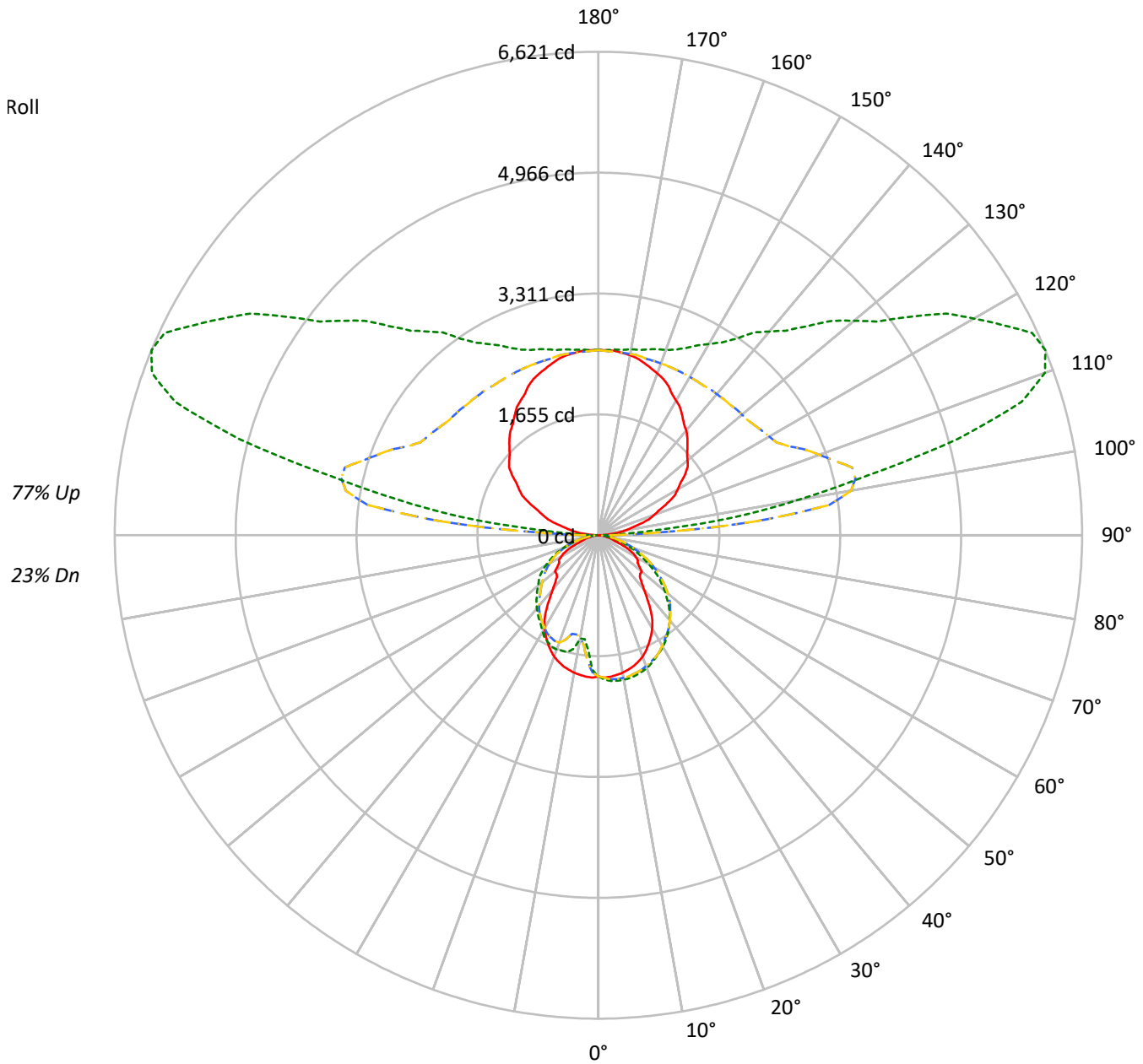
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21465.6 lumens
Efficiency: N/A
Efficacy: 128.7 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°	5983	5983	5983	5983
5°	6030	6040	6030	4749
10°	5992	5950	5992	4254
15°	5929	5821	5929	4860
20°	5808	5668	5808	4871
25°	5556	5445	5556	4767
30°	5230	5260	5230	4541
35°	4665	5026	4665	4292
40°	3889	4751	3889	4104
45°	3477	4429	3477	3887
50°	3697	4044	3697	3670
55°	3482	3631	3482	3545
60°	3594	3083	3594	3246
65°	3264	2549	3264	2849
70°	2265	2031	2265	2388
75°	1994	1502	1994	1798
80°	1618	993	1618	1081
85°	949	526	949	447

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 6310 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.6	0.8
10°-20°	495.8	2.3
20°-30°	766.4	3.6
30°-40°	914.9	4.3
40°-50°	920.3	4.3
50°-60°	800.8	3.7
60°-70°	567.8	2.6
70°-80°	300.4	1.4
80°-90°	84.5	0.4
90°-100°	1236.2	5.8
100°-110°	3250.0	15.1
110°-120°	3369.9	15.7
120°-130°	2703.1	12.6
130°-140°	2121.0	9.9
140°-150°	1627.9	7.6
150°-160°	1172.4	5.5
160°-170°	717.3	3.3
170°-180°	242.3	1.1
0°-30°	1436.8	6.7
0°-40°	2351.7	11.0
0°-60°	4072.8	19.0
0°-90°	5025.4	23.4
90°-120°	7856.1	36.6
90°-150°	14308.1	66.7
90°-180°	16440.0	76.6
0°-180°	21465.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1934	1934	1934	1934	1934	
5°	1944	2004	1944	1576	1944	184
15°	1856	1986	1856	1658	1856	522
25°	1634	1852	1634	1622	1634	750
35°	1243	1653	1243	1411	1243	769
45°	802	1362	802	1195	802	642
55°	653	1005	653	981	653	600
65°	454	606	454	677	454	434
75°	172	287	172	344	172	181
85°	29	73	29	62	29	40
90°	17	65	17	65	17	15
95°	163	747	163	747	163	181
105°	586	5089	586	5089	586	621
115°	1040	6553	1040	6553	1040	1027
125°	1447	5218	1447	5218	1447	1284
135°	1724	4049	1724	4049	1724	1334
145°	2000	3285	2000	3285	2000	1253
155°	2260	2829	2260	2829	2260	1039
165°	2439	2635	2439	2635	2439	688
175°	2536	2553	2536	2553	2536	241
180°	2536	2536	2536	2536	2536	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4
2.5°	1950.9	1950.9	1961.9	1965.5	1965.5	1960.1	1954.6	1960.1	1976.6	1982.0	1980.2
5°	1943.6	1958.3	1978.4	1982.0	1985.7	1983.9	1980.2	1983.9	2002.2	2005.8	2007.7
7.5°	1929.0	1956.4	1982.0	1987.6	1993.0	1987.6	1985.7	1989.4	2007.7	2011.3	2011.3
10°	1910.7	1949.1	1978.4	1982.0	1987.6	1982.0	1982.0	1989.4	2007.7	2011.3	2013.2
12.5°	1885.0	1938.2	1965.5	1969.3	1976.6	1974.7	1972.9	1980.2	1998.6	2002.2	2002.2
15°	1855.8	1918.0	1943.6	1947.3	1960.1	1956.4	1956.4	1963.7	1983.9	1989.4	1987.6
17.5°	1815.5	1892.4	1921.7	1927.2	1936.3	1934.4	1936.3	1943.6	1961.9	1965.5	1967.5
20°	1769.8	1857.6	1892.4	1897.9	1907.1	1907.1	1907.1	1916.2	1934.4	1941.8	1941.8
22.5°	1707.6	1821.0	1857.6	1861.3	1872.2	1872.2	1875.9	1888.7	1905.1	1907.1	1907.1
25°	1634.3	1780.7	1811.8	1822.8	1833.8	1839.3	1844.8	1852.1	1857.6	1855.8	1857.6
27.5°	1557.5	1729.5	1769.8	1777.1	1791.7	1797.2	1804.5	1806.4	1808.2	1813.6	1810.0
30°	1471.4	1658.1	1718.5	1725.9	1749.6	1753.3	1746.0	1749.6	1758.8	1762.4	1766.1
32.5°	1374.5	1551.9	1665.5	1681.9	1703.8	1692.9	1691.0	1696.6	1711.2	1711.2	1714.8
35°	1242.7	1469.6	1616.1	1630.7	1647.2	1634.3	1641.6	1643.4	1652.6	1658.1	1656.3
37.5°	1098.1	1398.2	1564.8	1575.8	1588.6	1572.1	1583.0	1588.6	1595.9	1592.2	1592.2
40°	969.9	1286.6	1504.4	1511.7	1522.6	1509.9	1520.8	1524.6	1528.2	1524.6	1522.6
42.5°	874.8	1164.0	1440.3	1449.5	1442.1	1451.3	1455.0	1462.3	1456.8	1449.5	1449.5
45°	801.6	1131.0	1370.8	1381.7	1370.8	1385.5	1390.9	1390.9	1374.5	1370.8	1368.9
47.5°	777.8	1065.2	1301.2	1301.2	1295.8	1314.1	1323.2	1310.4	1294.0	1288.4	1288.4
50°	776.0	992.0	1206.1	1198.7	1224.4	1246.3	1237.2	1224.4	1211.5	1191.4	1191.4
52.5°	704.6	902.3	1083.5	1110.9	1151.1	1164.0	1149.3	1136.5	1114.6	1105.4	1098.1
55°	653.4	808.9	971.8	1026.7	1068.8	1085.3	1057.8	1045.0	1012.1	1006.6	1003.0
57.5°	642.4	673.5	869.3	938.8	990.1	988.3	971.8	948.0	920.6	915.1	913.3
60°	589.4	486.8	759.5	841.9	894.9	889.4	874.8	852.9	827.2	823.6	819.9
62.5°	534.4	353.2	635.0	728.4	803.4	801.6	788.8	755.8	737.5	728.4	721.1
65°	453.9	296.5	452.1	605.8	713.8	717.4	690.0	666.2	646.0	635.0	633.2
67.5°	345.9	241.6	305.6	505.1	627.7	624.1	589.4	578.3	552.7	547.2	536.2
70°	256.2	161.1	212.3	410.0	543.6	534.4	506.9	494.1	470.4	457.5	450.2
72.5°	212.3	129.9	155.5	318.5	457.5	446.5	422.8	408.2	388.0	377.0	369.7
75°	172.0	137.3	119.0	236.1	371.5	364.2	342.2	327.6	311.1	296.5	298.3
77.5°	126.3	128.1	95.1	173.8	294.6	283.7	270.9	252.6	245.2	230.6	230.6
80°	95.1	100.7	71.4	119.0	212.3	212.3	201.3	188.5	175.7	168.4	168.4
82.5°	64.0	64.0	53.0	75.0	144.5	139.1	131.8	128.1	120.8	117.2	117.2
85°	29.3	36.6	32.9	45.8	78.7	82.3	82.3	78.7	76.9	73.2	75.0
87.5°	9.2	16.5	20.1	25.7	40.3	42.1	43.9	43.9	43.9	45.8	45.8
90°	17.0	30.7	44.3	47.7	74.9	111.2	129.4	115.0	86.2	64.7	64.7
92.5°	68.0	183.7	299.5	328.5	461.8	639.6	728.4	638.4	458.4	323.4	310.6
95°	163.4	375.1	587.0	639.9	1136.4	1798.4	2129.3	1900.0	1441.7	1097.8	1058.9
97.5°	282.5	469.4	656.2	703.0	1530.7	2634.4	3186.2	3041.4	2751.7	2534.3	2460.2
100°	374.4	543.9	713.3	755.7	1674.3	2898.9	3511.3	3521.8	3543.0	3559.0	3470.6
102.5°	452.7	610.8	768.9	808.5	1740.0	2982.2	3603.3	3787.8	4157.0	4433.8	4358.2
105°	585.5	719.4	853.3	886.8	1788.9	2991.6	3593.0	4006.8	4834.4	5455.0	5414.3
107.5°	721.7	846.5	971.3	1002.5	1797.9	2858.4	3388.8	3965.9	5120.3	5986.0	5995.9
110°	813.6	926.3	1039.0	1067.2	1784.3	2740.5	3218.6	3863.9	5154.4	6122.2	6164.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	903.8	1011.2	1118.7	1145.5	1784.9	2637.4	3063.7	3724.1	5044.8	6035.4	6100.5
115°	1040.0	1139.0	1238.2	1262.9	1801.4	2519.2	2878.2	3514.4	4786.7	5741.0	5831.2
117.5°	1174.4	1264.4	1354.4	1376.9	1834.7	2445.2	2750.5	3324.6	4473.0	5334.2	5434.3
120°	1252.7	1337.4	1422.1	1443.3	1862.0	2420.3	2699.4	3224.0	4273.2	5060.1	5157.4
122.5°	1329.3	1414.8	1500.3	1521.6	1901.2	2407.3	2660.3	3132.7	4077.5	4786.1	4882.0
125°	1446.8	1524.6	1602.6	1622.1	1954.0	2396.5	2617.8	3019.1	3821.7	4423.6	4511.9
127.5°	1542.0	1620.7	1699.4	1719.0	2006.7	2390.3	2582.0	2926.6	3615.7	4132.6	4207.1
130°	1593.1	1677.8	1762.5	1783.7	2045.2	2394.0	2568.4	2875.1	3488.6	3948.7	4017.6
132.5°	1645.9	1730.6	1815.3	1836.5	2076.4	2396.4	2556.4	2831.1	3380.3	3792.2	3853.9
135°	1724.1	1801.3	1878.5	1897.8	2110.5	2394.3	2536.1	2766.0	3225.9	3570.9	3624.0
137.5°	1804.2	1880.6	1957.0	1976.1	2161.6	2408.9	2532.6	2727.0	3115.9	3407.5	3451.0
140°	1870.6	1940.9	2011.3	2028.9	2192.8	2411.4	2520.7	2688.6	3024.5	3276.4	3317.1
142.5°	1921.6	1986.6	2051.7	2068.0	2218.9	2420.1	2520.7	2668.2	2963.2	3184.5	3219.6
145°	1999.9	2056.7	2113.4	2127.5	2252.9	2420.1	2503.7	2624.3	2865.6	3046.6	3073.1
147.5°	2078.2	2133.4	2188.6	2202.4	2302.8	2436.7	2503.7	2598.7	2788.5	2930.9	2952.9
150°	2129.3	2179.2	2229.2	2241.6	2328.9	2445.5	2503.7	2583.9	2744.3	2864.5	2882.3
152.5°	2182.0	2219.9	2257.6	2267.1	2346.0	2451.1	2503.7	2572.2	2709.1	2811.8	2825.2
155°	2260.4	2288.4	2316.3	2323.3	2383.4	2463.6	2503.7	2558.2	2667.1	2748.8	2757.7
157.5°	2318.2	2345.4	2372.6	2379.4	2420.8	2476.0	2503.7	2546.1	2630.8	2694.3	2700.6
160°	2357.3	2378.5	2399.7	2405.0	2437.9	2481.8	2503.7	2540.0	2612.6	2667.1	2670.7
162.5°	2396.4	2412.4	2428.2	2432.2	2456.0	2487.8	2503.7	2534.3	2595.6	2641.6	2645.0
165°	2439.0	2453.4	2467.8	2471.4	2482.1	2496.5	2503.7	2525.6	2569.5	2602.4	2606.0
167.5°	2478.2	2485.0	2491.8	2493.5	2502.6	2514.7	2520.7	2535.1	2563.8	2585.4	2586.9
170°	2503.7	2510.5	2517.3	2519.1	2519.6	2520.3	2520.7	2535.1	2563.8	2585.4	2585.4
172.5°	2517.3	2518.8	2520.3	2520.7	2520.7	2520.7	2520.7	2532.1	2554.8	2571.8	2570.5
175°	2536.1	2536.1	2536.1	2536.1	2531.0	2524.2	2520.7	2527.9	2542.3	2553.1	2553.1
177.5°	2536.1	2536.1	2536.1	2536.1	2532.1	2526.8	2524.2	2529.8	2541.2	2549.6	2548.1
180°	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4
2.5°	1983.9	1978.4	1983.9	1980.2	1982.0	1976.6	1960.1	1954.6	1960.1	1965.5	1965.5
5°	2007.7	2004.0	2007.7	2007.7	2005.8	2002.2	1983.9	1980.2	1983.9	1985.7	1982.0
7.5°	2015.0	2009.5	2015.0	2011.3	2011.3	2007.7	1989.4	1985.7	1987.6	1993.0	1987.6
10°	2015.0	2009.5	2015.0	2013.2	2011.3	2007.7	1989.4	1982.0	1982.0	1987.6	1982.0
12.5°	2005.8	2002.2	2005.8	2002.2	2002.2	1998.6	1980.2	1972.9	1974.7	1976.6	1969.3
15°	1991.2	1985.7	1991.2	1987.6	1989.4	1983.9	1963.7	1956.4	1956.4	1960.1	1947.3
17.5°	1969.3	1961.9	1969.3	1967.5	1965.5	1961.9	1943.6	1936.3	1934.4	1936.3	1927.2
20°	1943.6	1938.2	1943.6	1941.8	1941.8	1934.4	1916.2	1907.1	1907.1	1907.1	1897.9
22.5°	1903.3	1897.9	1903.3	1907.1	1907.1	1905.1	1888.7	1875.9	1872.2	1872.2	1861.3
25°	1857.6	1852.1	1857.6	1857.6	1855.8	1857.6	1852.1	1844.8	1839.3	1833.8	1822.8
27.5°	1813.6	1810.0	1813.6	1810.0	1813.6	1808.2	1806.4	1804.5	1797.2	1791.7	1777.1
30°	1769.8	1766.1	1769.8	1766.1	1762.4	1758.8	1749.6	1746.0	1753.3	1749.6	1725.9
32.5°	1714.8	1711.2	1714.8	1714.8	1711.2	1711.2	1696.6	1691.0	1692.9	1703.8	1681.9
35°	1658.1	1652.6	1658.1	1656.3	1658.1	1652.6	1643.4	1641.6	1634.3	1647.2	1630.7
37.5°	1592.2	1586.8	1592.2	1592.2	1592.2	1595.9	1588.6	1583.0	1572.1	1588.6	1575.8
40°	1524.6	1517.2	1524.6	1522.6	1524.6	1528.2	1524.6	1520.8	1509.9	1522.6	1511.7
42.5°	1447.7	1445.8	1447.7	1449.5	1449.5	1456.8	1462.3	1455.0	1451.3	1442.1	1449.5
45°	1365.3	1361.6	1365.3	1368.9	1370.8	1374.5	1390.9	1390.9	1385.5	1370.8	1381.7
47.5°	1277.4	1268.3	1277.4	1288.4	1288.4	1294.0	1310.4	1323.2	1314.1	1295.8	1301.2
50°	1184.1	1185.9	1184.1	1191.4	1191.4	1211.5	1224.4	1237.2	1246.3	1224.4	1198.7
52.5°	1092.6	1090.7	1092.6	1098.1	1105.4	1114.6	1136.5	1149.3	1164.0	1151.1	1110.9
55°	1001.1	1004.8	1001.1	1003.0	1006.6	1012.1	1045.0	1057.8	1085.3	1068.8	1026.7
57.5°	909.5	904.1	909.5	913.3	915.1	920.6	948.0	971.8	988.3	990.1	938.8
60°	803.4	796.1	803.4	819.9	823.6	827.2	852.9	874.8	889.4	894.9	841.9
62.5°	710.1	697.3	710.1	721.1	728.4	737.5	755.8	788.8	801.6	803.4	728.4
65°	611.3	605.8	611.3	633.2	635.0	646.0	666.2	690.0	717.4	713.8	605.8
67.5°	521.6	521.6	521.6	536.2	547.2	552.7	578.3	589.4	624.1	627.7	505.1
70°	439.3	437.4	439.3	450.2	457.5	470.4	494.1	506.9	534.4	543.6	410.0
72.5°	360.6	358.7	360.6	369.7	377.0	388.0	408.2	422.8	446.5	457.5	318.5
75°	291.0	287.4	291.0	298.3	296.5	311.1	327.6	342.2	364.2	371.5	236.1
77.5°	223.3	223.3	223.3	230.6	230.6	245.2	252.6	270.9	283.7	294.6	173.8
80°	166.6	164.7	166.6	168.4	168.4	175.7	188.5	201.3	212.3	212.3	119.0
82.5°	117.2	113.4	117.2	117.2	117.2	120.8	128.1	131.8	139.1	144.5	75.0
85°	73.2	73.2	73.2	75.0	73.2	76.9	78.7	82.3	82.3	78.7	45.8
87.5°	47.6	45.8	47.6	45.8	45.8	43.9	43.9	43.9	42.1	40.3	25.7
90°	64.7	64.7	64.7	64.7	64.7	86.2	115.0	129.4	111.2	74.9	47.7
92.5°	259.1	207.7	259.1	310.6	323.4	458.4	638.4	728.4	639.6	461.8	328.5
95°	903.0	747.2	903.0	1058.9	1097.8	1441.7	1900.0	2129.3	1798.4	1136.4	639.9
97.5°	2163.7	1867.1	2163.7	2460.2	2534.3	2751.7	3041.4	3186.2	2634.4	1530.7	703.0
100°	3117.4	2764.1	3117.4	3470.6	3559.0	3543.0	3521.8	3511.3	2898.9	1674.3	755.7
102.5°	4055.6	3753.0	4055.6	4358.2	4433.8	4157.0	3787.8	3603.3	2982.2	1740.0	808.5
105°	5251.8	5089.1	5251.8	5414.3	5455.0	4834.4	4006.8	3593.0	2991.6	1788.9	886.8
107.5°	6035.3	6074.6	6035.3	5995.9	5986.0	5120.3	3965.9	3388.8	2858.4	1797.9	1002.5
110°	6334.1	6503.5	6334.1	6164.6	6122.2	5154.4	3863.9	3218.6	2740.5	1784.3	1067.2



TEST NUMBER: P935828

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6360.7	6621.0	6360.7	6100.5	6035.4	5044.8	3724.1	3063.7	2637.4	1784.9	1145.5
115°	6192.0	6552.8	6192.0	5831.2	5741.0	4786.7	3514.4	2878.2	2519.2	1801.4	1262.9
117.5°	5834.4	6234.6	5834.4	5434.3	5334.2	4473.0	3324.6	2750.5	2445.2	1834.7	1376.9
120°	5546.1	5935.0	5546.1	5157.4	5060.1	4273.2	3224.0	2699.4	2420.3	1862.0	1443.3
122.5°	5265.6	5649.1	5265.6	4882.0	4786.1	4077.5	3132.7	2660.3	2407.3	1901.2	1521.6
125°	4865.2	5218.5	4865.2	4511.9	4423.6	3821.7	3019.1	2617.8	2396.5	1954.0	1622.1
127.5°	4505.2	4803.2	4505.2	4207.1	4132.6	3615.7	2926.6	2582.0	2390.3	2006.7	1719.0
130°	4292.9	4568.3	4292.9	4017.6	3948.7	3488.6	2875.1	2568.4	2394.0	2045.2	1783.7
132.5°	4100.4	4347.0	4100.4	3853.9	3792.2	3380.3	2831.1	2556.4	2396.4	2076.4	1836.5
135°	3836.6	4049.2	3836.6	3624.0	3570.9	3225.9	2766.0	2536.1	2394.3	2110.5	1897.8
137.5°	3625.0	3798.9	3625.0	3451.0	3407.5	3115.9	2727.0	2532.6	2408.9	2161.6	1976.1
140°	3479.7	3642.4	3479.7	3317.1	3276.4	3024.5	2688.6	2520.7	2411.4	2192.8	2028.9
142.5°	3359.5	3499.4	3359.5	3219.6	3184.5	2963.2	2668.2	2520.7	2420.1	2218.9	2068.0
145°	3179.1	3285.0	3179.1	3073.1	3046.6	2865.6	2624.3	2503.7	2420.1	2252.9	2127.5
147.5°	3040.6	3128.3	3040.6	2952.9	2930.9	2788.5	2598.7	2503.7	2436.7	2302.8	2202.4
150°	2953.4	3024.5	2953.4	2882.3	2864.5	2744.3	2583.9	2503.7	2445.5	2328.9	2241.6
152.5°	2878.9	2932.6	2878.9	2825.2	2811.8	2709.1	2572.2	2503.7	2451.1	2346.0	2267.1
155°	2793.2	2828.8	2793.2	2757.7	2748.8	2667.1	2558.2	2503.7	2463.6	2383.4	2323.3
157.5°	2725.5	2750.5	2725.5	2700.6	2694.3	2630.8	2546.1	2503.7	2476.0	2420.8	2379.4
160°	2685.1	2699.4	2685.1	2670.7	2667.1	2612.6	2540.0	2503.7	2481.8	2437.9	2405.0
162.5°	2658.6	2672.2	2658.6	2645.0	2641.6	2595.6	2534.3	2503.7	2487.8	2456.0	2432.2
165°	2620.4	2634.8	2620.4	2606.0	2602.4	2569.5	2525.6	2503.7	2496.5	2482.1	2471.4
167.5°	2592.9	2599.0	2592.9	2586.9	2585.4	2563.8	2535.1	2520.7	2514.7	2502.6	2493.5
170°	2585.4	2585.4	2585.4	2585.4	2585.4	2563.8	2535.1	2520.7	2520.3	2519.6	2519.1
172.5°	2565.2	2559.9	2565.2	2570.5	2571.8	2554.8	2532.1	2520.7	2520.7	2520.7	2520.7
175°	2553.1	2553.1	2553.1	2553.1	2553.1	2542.3	2527.9	2520.7	2524.2	2531.0	2536.1
177.5°	2542.1	2536.1	2542.1	2548.1	2549.6	2541.2	2529.8	2524.2	2526.8	2532.1	2536.1
180°	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1



TEST NUMBER: P935828

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4
2.5°	1961.9	1950.9	1950.9	1932.6	1925.3	1919.8	1910.7	1883.2	1875.9	1868.6	1879.6
5°	1978.4	1958.3	1943.6	1910.7	1883.2	1872.2	1837.5	1771.6	1727.7	1694.7	1676.5
7.5°	1982.0	1956.4	1929.0	1877.8	1811.8	1782.5	1676.5	1555.7	1522.6	1493.4	1475.1
10°	1978.4	1949.1	1910.7	1833.8	1678.3	1627.0	1520.8	1442.1	1422.0	1416.6	1422.0
12.5°	1965.5	1938.2	1885.0	1757.0	1539.2	1504.4	1442.1	1396.4	1392.7	1401.9	1451.3
15°	1943.6	1918.0	1855.8	1654.4	1462.3	1436.7	1392.7	1376.3	1396.4	1460.4	1608.7
17.5°	1921.7	1892.4	1815.5	1553.8	1403.8	1385.5	1354.3	1387.3	1500.7	1586.8	1636.2
20°	1892.4	1857.6	1769.8	1480.6	1361.6	1345.2	1330.5	1478.8	1564.8	1595.9	1623.3
22.5°	1857.6	1821.0	1707.6	1429.3	1317.7	1304.9	1314.1	1530.0	1564.8	1586.8	1610.5
25°	1811.8	1780.7	1634.3	1389.1	1283.0	1268.3	1303.1	1524.6	1544.7	1550.1	1597.7
27.5°	1769.8	1729.5	1557.5	1352.4	1240.8	1235.4	1312.2	1500.7	1515.4	1520.8	1572.1
30°	1718.5	1658.1	1471.4	1314.1	1196.9	1195.1	1314.1	1471.4	1467.8	1482.4	1533.6
32.5°	1665.5	1551.9	1374.5	1266.5	1154.8	1153.0	1301.2	1427.5	1423.9	1444.0	1482.4
35°	1616.1	1469.6	1242.7	1211.5	1101.8	1103.6	1270.1	1376.3	1378.1	1396.4	1420.2
37.5°	1564.8	1398.2	1098.1	1151.1	1050.5	1050.5	1228.0	1328.7	1325.1	1330.5	1363.5
40°	1504.4	1286.6	969.9	1072.5	1003.0	997.4	1176.8	1277.4	1264.7	1262.8	1308.5
42.5°	1440.3	1164.0	874.8	968.1	948.0	940.7	1114.6	1215.2	1191.4	1196.9	1255.5
45°	1370.8	1131.0	801.6	818.0	891.3	885.8	1046.8	1143.9	1127.4	1142.0	1202.4
47.5°	1301.2	1065.2	777.8	679.0	830.9	829.0	971.8	1074.3	1065.2	1079.8	1143.9
50°	1206.1	992.0	776.0	582.0	763.2	770.5	882.2	1006.6	1006.6	1019.4	1087.1
52.5°	1083.5	902.3	704.6	527.0	684.5	706.4	803.4	948.0	951.7	964.5	1024.9
55°	971.8	808.9	653.4	485.0	591.2	638.7	726.5	887.6	894.9	907.7	962.7
57.5°	869.3	673.5	642.4	435.5	505.1	550.9	658.9	829.0	832.7	843.7	896.8
60°	759.5	486.8	589.4	382.5	430.1	464.8	596.6	759.5	772.3	779.6	825.4
62.5°	635.0	353.2	534.4	345.9	393.5	400.8	545.4	693.6	710.1	715.6	743.1
65°	452.1	296.5	453.9	314.8	355.0	356.9	490.5	625.9	640.6	649.7	669.9
67.5°	305.6	241.6	345.9	285.5	325.7	327.6	437.4	547.2	567.3	574.7	587.4
70°	212.3	161.1	256.2	254.4	292.8	296.5	380.7	475.8	494.1	499.7	506.9
72.5°	155.5	129.9	212.3	228.8	258.1	261.7	322.1	395.3	413.6	419.1	422.8
75°	119.0	137.3	172.0	199.5	219.6	221.4	263.5	322.1	334.9	338.6	340.4
77.5°	95.1	128.1	126.3	161.1	179.4	175.7	206.9	248.9	259.9	259.9	259.9
80°	71.4	100.7	95.1	115.3	131.8	128.1	148.3	177.6	181.2	184.8	183.0
82.5°	53.0	64.0	64.0	73.2	87.9	84.2	98.8	115.3	115.3	115.3	119.0
85°	32.9	36.6	29.3	38.5	49.4	47.6	54.9	62.2	64.0	64.0	60.4
87.5°	20.1	16.5	9.2	14.6	21.9	21.9	25.7	27.5	25.7	25.7	25.7
90°	44.3	30.7	17.0	30.7	44.3	47.7	74.9	111.2	129.4	115.0	86.2
92.5°	299.5	183.7	68.0	183.7	299.5	328.5	461.8	639.6	728.4	638.4	458.4
95°	587.0	375.1	163.4	375.1	587.0	639.9	1136.4	1798.4	2129.3	1900.0	1441.7
97.5°	656.2	469.4	282.5	469.4	656.2	703.0	1530.7	2634.4	3186.2	3041.4	2751.7
100°	713.3	543.9	374.4	543.9	713.3	755.7	1674.3	2898.9	3511.3	3521.8	3543.0
102.5°	768.9	610.8	452.7	610.8	768.9	808.5	1740.0	2982.2	3603.3	3787.8	4157.0
105°	853.3	719.4	585.5	719.4	853.3	886.8	1788.9	2991.6	3593.0	4006.8	4834.4
107.5°	971.3	846.5	721.7	846.5	971.3	1002.5	1797.9	2858.4	3388.8	3965.9	5120.3
110°	1039.0	926.3	813.6	926.3	1039.0	1067.2	1784.3	2740.5	3218.6	3863.9	5154.4



TEST NUMBER: P935828

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1118.7	1011.2	903.8	1011.2	1118.7	1145.5	1784.9	2637.4	3063.7	3724.1	5044.8
115°	1238.2	1139.0	1040.0	1139.0	1238.2	1262.9	1801.4	2519.2	2878.2	3514.4	4786.7
117.5°	1354.4	1264.4	1174.4	1264.4	1354.4	1376.9	1834.7	2445.2	2750.5	3324.6	4473.0
120°	1422.1	1337.4	1252.7	1337.4	1422.1	1443.3	1862.0	2420.3	2699.4	3224.0	4273.2
122.5°	1500.3	1414.8	1329.3	1414.8	1500.3	1521.6	1901.2	2407.3	2660.3	3132.7	4077.5
125°	1602.6	1524.6	1446.8	1524.6	1602.6	1622.1	1954.0	2396.5	2617.8	3019.1	3821.7
127.5°	1699.4	1620.7	1542.0	1620.7	1699.4	1719.0	2006.7	2390.3	2582.0	2926.6	3615.7
130°	1762.5	1677.8	1593.1	1677.8	1762.5	1783.7	2045.2	2394.0	2568.4	2875.1	3488.6
132.5°	1815.3	1730.6	1645.9	1730.6	1815.3	1836.5	2076.4	2396.4	2556.4	2831.1	3380.3
135°	1878.5	1801.3	1724.1	1801.3	1878.5	1897.8	2110.5	2394.3	2536.1	2766.0	3225.9
137.5°	1957.0	1880.6	1804.2	1880.6	1957.0	1976.1	2161.6	2408.9	2532.6	2727.0	3115.9
140°	2011.3	1940.9	1870.6	1940.9	2011.3	2028.9	2192.8	2411.4	2520.7	2688.6	3024.5
142.5°	2051.7	1986.6	1921.6	1986.6	2051.7	2068.0	2218.9	2420.1	2520.7	2668.2	2963.2
145°	2113.4	2056.7	1999.9	2056.7	2113.4	2127.5	2252.9	2420.1	2503.7	2624.3	2865.6
147.5°	2188.6	2133.4	2078.2	2133.4	2188.6	2202.4	2302.8	2436.7	2503.7	2598.7	2788.5
150°	2229.2	2179.2	2129.3	2179.2	2229.2	2241.6	2328.9	2445.5	2503.7	2583.9	2744.3
152.5°	2257.6	2219.9	2182.0	2219.9	2257.6	2267.1	2346.0	2451.1	2503.7	2572.2	2709.1
155°	2316.3	2288.4	2260.4	2288.4	2316.3	2323.3	2383.4	2463.6	2503.7	2558.2	2667.1
157.5°	2372.6	2345.4	2318.2	2345.4	2372.6	2379.4	2420.8	2476.0	2503.7	2546.1	2630.8
160°	2399.7	2378.5	2357.3	2378.5	2399.7	2405.0	2437.9	2481.8	2503.7	2540.0	2612.6
162.5°	2428.2	2412.4	2396.4	2412.4	2428.2	2432.2	2456.0	2487.8	2503.7	2534.3	2595.6
165°	2467.8	2453.4	2439.0	2453.4	2467.8	2471.4	2482.1	2496.5	2503.7	2525.6	2569.5
167.5°	2491.8	2485.0	2478.2	2485.0	2491.8	2493.5	2502.6	2514.7	2520.7	2535.1	2563.8
170°	2517.3	2510.5	2503.7	2510.5	2517.3	2519.1	2519.6	2520.3	2520.7	2535.1	2563.8
172.5°	2520.3	2518.8	2517.3	2518.8	2520.3	2520.7	2520.7	2520.7	2520.7	2532.1	2554.8
175°	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2531.0	2524.2	2520.7	2527.9	2542.3
177.5°	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2532.1	2526.8	2524.2	2529.8	2541.2
180°	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1



TEST NUMBER: P935828

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4
2.5°	1866.8	1861.3	1868.6	1848.5	1868.6	1861.3	1866.8	1879.6	1868.6	1875.9	1883.2
5°	1638.0	1628.8	1599.6	1575.8	1599.6	1628.8	1638.0	1676.5	1694.7	1727.7	1771.6
7.5°	1464.2	1456.8	1449.5	1434.9	1449.5	1456.8	1464.2	1475.1	1493.4	1522.6	1555.7
10°	1425.7	1427.5	1438.5	1436.7	1438.5	1427.5	1425.7	1422.0	1416.6	1422.0	1442.1
12.5°	1524.6	1541.0	1601.4	1597.7	1601.4	1541.0	1524.6	1451.3	1401.9	1392.7	1396.4
15°	1638.0	1643.4	1656.3	1658.1	1656.3	1643.4	1638.0	1608.7	1460.4	1396.4	1376.3
17.5°	1649.0	1650.8	1659.9	1659.9	1659.9	1650.8	1649.0	1636.2	1586.8	1500.7	1387.3
20°	1639.8	1643.4	1661.8	1665.5	1661.8	1643.4	1639.8	1623.3	1595.9	1564.8	1478.8
22.5°	1636.2	1643.4	1658.1	1656.3	1658.1	1643.4	1636.2	1610.5	1586.8	1564.8	1530.0
25°	1617.9	1617.9	1619.7	1621.5	1619.7	1617.9	1617.9	1597.7	1550.1	1544.7	1524.6
27.5°	1579.4	1583.0	1594.0	1592.2	1594.0	1583.0	1579.4	1572.1	1520.8	1515.4	1500.7
30°	1544.7	1541.0	1531.8	1524.6	1531.8	1541.0	1544.7	1533.6	1482.4	1467.8	1471.4
32.5°	1486.1	1476.9	1467.8	1462.3	1467.8	1476.9	1486.1	1482.4	1444.0	1423.9	1427.5
35°	1416.6	1418.4	1416.6	1411.0	1416.6	1418.4	1416.6	1420.2	1396.4	1378.1	1376.3
37.5°	1367.1	1370.8	1368.9	1361.6	1368.9	1370.8	1367.1	1363.5	1330.5	1325.1	1328.7
40°	1315.9	1317.7	1315.9	1310.4	1315.9	1317.7	1315.9	1308.5	1262.8	1264.7	1277.4
42.5°	1266.5	1264.7	1259.1	1255.5	1259.1	1264.7	1266.5	1255.5	1196.9	1191.4	1215.2
45°	1209.7	1211.5	1200.5	1195.1	1200.5	1211.5	1209.7	1202.4	1142.0	1127.4	1143.9
47.5°	1153.0	1153.0	1143.9	1138.3	1143.9	1153.0	1153.0	1143.9	1079.8	1065.2	1074.3
50°	1092.6	1090.7	1077.9	1076.1	1077.9	1090.7	1092.6	1087.1	1019.4	1006.6	1006.6
52.5°	1023.1	1023.1	1024.9	1028.5	1024.9	1023.1	1023.1	1024.9	964.5	951.7	948.0
55°	962.7	964.5	977.3	981.0	977.3	964.5	962.7	962.7	907.7	894.9	887.6
57.5°	900.4	900.4	909.5	909.5	909.5	900.4	900.4	896.8	843.7	832.7	829.0
60°	829.0	832.7	840.0	838.2	840.0	832.7	829.0	825.4	779.6	772.3	759.5
62.5°	754.0	757.7	759.5	755.8	759.5	757.7	754.0	743.1	715.6	710.1	693.6
65°	675.3	679.0	680.8	677.1	680.8	679.0	675.3	669.9	649.7	640.6	625.9
67.5°	594.8	593.0	591.2	598.5	591.2	593.0	594.8	587.4	574.7	567.3	547.2
70°	512.4	512.4	510.6	514.3	510.6	512.4	512.4	506.9	499.7	494.1	475.8
72.5°	424.6	422.8	430.1	424.6	430.1	422.8	424.6	422.8	419.1	413.6	395.3
75°	338.6	342.2	338.6	344.0	338.6	342.2	338.6	340.4	338.6	334.9	322.1
77.5°	258.1	261.7	258.1	258.1	258.1	261.7	258.1	259.9	259.9	259.9	248.9
80°	183.0	181.2	181.2	179.4	181.2	181.2	183.0	183.0	184.8	181.2	177.6
82.5°	117.2	115.3	115.3	119.0	115.3	115.3	117.2	119.0	115.3	115.3	115.3
85°	64.0	65.9	62.2	62.2	62.2	65.9	64.0	60.4	64.0	64.0	62.2
87.5°	23.8	21.9	21.9	21.9	21.9	21.9	23.8	25.7	25.7	25.7	27.5
90°	64.7	64.7	64.7	64.7	64.7	64.7	64.7	86.2	115.0	129.4	111.2
92.5°	323.4	310.6	259.1	207.7	259.1	310.6	323.4	458.4	638.4	728.4	639.6
95°	1097.8	1058.9	903.0	747.2	903.0	1058.9	1097.8	1441.7	1900.0	2129.3	1798.4
97.5°	2534.3	2460.2	2163.7	1867.1	2163.7	2460.2	2534.3	2751.7	3041.4	3186.2	2634.4
100°	3559.0	3470.6	3117.4	2764.1	3117.4	3470.6	3559.0	3543.0	3521.8	3511.3	2898.9
102.5°	4433.8	4358.2	4055.6	3753.0	4055.6	4358.2	4433.8	4157.0	3787.8	3603.3	2982.2
105°	5455.0	5414.3	5251.8	5089.1	5251.8	5414.3	5455.0	4834.4	4006.8	3593.0	2991.6
107.5°	5986.0	5995.9	6035.3	6074.6	6035.3	5995.9	5986.0	5120.3	3965.9	3388.8	2858.4
110°	6122.2	6164.6	6334.1	6503.5	6334.1	6164.6	6122.2	5154.4	3863.9	3218.6	2740.5



TEST NUMBER: P935828

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	6035.4	6100.5	6360.7	6621.0	6360.7	6100.5	6035.4	5044.8	3724.1	3063.7	2637.4
115°	5741.0	5831.2	6192.0	6552.8	6192.0	5831.2	5741.0	4786.7	3514.4	2878.2	2519.2
117.5°	5334.2	5434.3	5834.4	6234.6	5834.4	5434.3	5334.2	4473.0	3324.6	2750.5	2445.2
120°	5060.1	5157.4	5546.1	5935.0	5546.1	5157.4	5060.1	4273.2	3224.0	2699.4	2420.3
122.5°	4786.1	4882.0	5265.6	5649.1	5265.6	4882.0	4786.1	4077.5	3132.7	2660.3	2407.3
125°	4423.6	4511.9	4865.2	5218.5	4865.2	4511.9	4423.6	3821.7	3019.1	2617.8	2396.5
127.5°	4132.6	4207.1	4505.2	4803.2	4505.2	4207.1	4132.6	3615.7	2926.6	2582.0	2390.3
130°	3948.7	4017.6	4292.9	4568.3	4292.9	4017.6	3948.7	3488.6	2875.1	2568.4	2394.0
132.5°	3792.2	3853.9	4100.4	4347.0	4100.4	3853.9	3792.2	3380.3	2831.1	2556.4	2396.4
135°	3570.9	3624.0	3836.6	4049.2	3836.6	3624.0	3570.9	3225.9	2766.0	2536.1	2394.3
137.5°	3407.5	3451.0	3625.0	3798.9	3625.0	3451.0	3407.5	3115.9	2727.0	2532.6	2408.9
140°	3276.4	3317.1	3479.7	3642.4	3479.7	3317.1	3276.4	3024.5	2688.6	2520.7	2411.4
142.5°	3184.5	3219.6	3359.5	3499.4	3359.5	3219.6	3184.5	2963.2	2668.2	2520.7	2420.1
145°	3046.6	3073.1	3179.1	3285.0	3179.1	3073.1	3046.6	2865.6	2624.3	2503.7	2420.1
147.5°	2930.9	2952.9	3040.6	3128.3	3040.6	2952.9	2930.9	2788.5	2598.7	2503.7	2436.7
150°	2864.5	2882.3	2953.4	3024.5	2953.4	2882.3	2864.5	2744.3	2583.9	2503.7	2445.5
152.5°	2811.8	2825.2	2878.9	2932.6	2878.9	2825.2	2811.8	2709.1	2572.2	2503.7	2451.1
155°	2748.8	2757.7	2793.2	2828.8	2793.2	2757.7	2748.8	2667.1	2558.2	2503.7	2463.6
157.5°	2694.3	2700.6	2725.5	2750.5	2725.5	2700.6	2694.3	2630.8	2546.1	2503.7	2476.0
160°	2667.1	2670.7	2685.1	2699.4	2685.1	2670.7	2667.1	2612.6	2540.0	2503.7	2481.8
162.5°	2641.6	2645.0	2658.6	2672.2	2658.6	2645.0	2641.6	2595.6	2534.3	2503.7	2487.8
165°	2602.4	2606.0	2620.4	2634.8	2620.4	2606.0	2602.4	2569.5	2525.6	2503.7	2496.5
167.5°	2585.4	2586.9	2592.9	2599.0	2592.9	2586.9	2585.4	2563.8	2535.1	2520.7	2514.7
170°	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2563.8	2535.1	2520.7	2520.3
172.5°	2571.8	2570.5	2565.2	2559.9	2565.2	2570.5	2571.8	2554.8	2532.1	2520.7	2520.7
175°	2553.1	2553.1	2553.1	2553.1	2553.1	2553.1	2553.1	2542.3	2527.9	2520.7	2524.2
177.5°	2549.6	2548.1	2542.1	2536.1	2542.1	2548.1	2549.6	2541.2	2529.8	2524.2	2526.8
180°	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1



TEST NUMBER: P935828

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1934.4	1934.4	1934.4	1934.4	1934.4
2.5°	1910.7	1919.8	1925.3	1932.6	1950.9
5°	1837.5	1872.2	1883.2	1910.7	1943.6
7.5°	1676.5	1782.5	1811.8	1877.8	1929.0
10°	1520.8	1627.0	1678.3	1833.8	1910.7
12.5°	1442.1	1504.4	1539.2	1757.0	1885.0
15°	1392.7	1436.7	1462.3	1654.4	1855.8
17.5°	1354.3	1385.5	1403.8	1553.8	1815.5
20°	1330.5	1345.2	1361.6	1480.6	1769.8
22.5°	1314.1	1304.9	1317.7	1429.3	1707.6
25°	1303.1	1268.3	1283.0	1389.1	1634.3
27.5°	1312.2	1235.4	1240.8	1352.4	1557.5
30°	1314.1	1195.1	1196.9	1314.1	1471.4
32.5°	1301.2	1153.0	1154.8	1266.5	1374.5
35°	1270.1	1103.6	1101.8	1211.5	1242.7
37.5°	1228.0	1050.5	1050.5	1151.1	1098.1
40°	1176.8	997.4	1003.0	1072.5	969.9
42.5°	1114.6	940.7	948.0	968.1	874.8
45°	1046.8	885.8	891.3	818.0	801.6
47.5°	971.8	829.0	830.9	679.0	777.8
50°	882.2	770.5	763.2	582.0	776.0
52.5°	803.4	706.4	684.5	527.0	704.6
55°	726.5	638.7	591.2	485.0	653.4
57.5°	658.9	550.9	505.1	435.5	642.4
60°	596.6	464.8	430.1	382.5	589.4
62.5°	545.4	400.8	393.5	345.9	534.4
65°	490.5	356.9	355.0	314.8	453.9
67.5°	437.4	327.6	325.7	285.5	345.9
70°	380.7	296.5	292.8	254.4	256.2
72.5°	322.1	261.7	258.1	228.8	212.3
75°	263.5	221.4	219.6	199.5	172.0
77.5°	206.9	175.7	179.4	161.1	126.3
80°	148.3	128.1	131.8	115.3	95.1
82.5°	98.8	84.2	87.9	73.2	64.0
85°	54.9	47.6	49.4	38.5	29.3
87.5°	25.7	21.9	21.9	14.6	9.2
90°	74.9	47.7	44.3	30.7	17.0
92.5°	461.8	328.5	299.5	183.7	68.0
95°	1136.4	639.9	587.0	375.1	163.4
97.5°	1530.7	703.0	656.2	469.4	282.5
100°	1674.3	755.7	713.3	543.9	374.4
102.5°	1740.0	808.5	768.9	610.8	452.7
105°	1788.9	886.8	853.3	719.4	585.5
107.5°	1797.9	1002.5	971.3	846.5	721.7
110°	1784.3	1067.2	1039.0	926.3	813.6



TEST NUMBER: P935828

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1784.9	1145.5	1118.7	1011.2	903.8
115°	1801.4	1262.9	1238.2	1139.0	1040.0
117.5°	1834.7	1376.9	1354.4	1264.4	1174.4
120°	1862.0	1443.3	1422.1	1337.4	1252.7
122.5°	1901.2	1521.6	1500.3	1414.8	1329.3
125°	1954.0	1622.1	1602.6	1524.6	1446.8
127.5°	2006.7	1719.0	1699.4	1620.7	1542.0
130°	2045.2	1783.7	1762.5	1677.8	1593.1
132.5°	2076.4	1836.5	1815.3	1730.6	1645.9
135°	2110.5	1897.8	1878.5	1801.3	1724.1
137.5°	2161.6	1976.1	1957.0	1880.6	1804.2
140°	2192.8	2028.9	2011.3	1940.9	1870.6
142.5°	2218.9	2068.0	2051.7	1986.6	1921.6
145°	2252.9	2127.5	2113.4	2056.7	1999.9
147.5°	2302.8	2202.4	2188.6	2133.4	2078.2
150°	2328.9	2241.6	2229.2	2179.2	2129.3
152.5°	2346.0	2267.1	2257.6	2219.9	2182.0
155°	2383.4	2323.3	2316.3	2288.4	2260.4
157.5°	2420.8	2379.4	2372.6	2345.4	2318.2
160°	2437.9	2405.0	2399.7	2378.5	2357.3
162.5°	2456.0	2432.2	2428.2	2412.4	2396.4
165°	2482.1	2471.4	2467.8	2453.4	2439.0
167.5°	2502.6	2493.5	2491.8	2485.0	2478.2
170°	2519.6	2519.1	2517.3	2510.5	2503.7
172.5°	2520.7	2520.7	2520.3	2518.8	2517.3
175°	2531.0	2536.1	2536.1	2536.1	2536.1
177.5°	2532.1	2536.1	2536.1	2536.1	2536.1
180°	2536.1	2536.1	2536.1	2536.1	2536.1



TEST NUMBER: P935828
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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	7.82	8.48	8.97	9.63	11.23	10.67	11.33	11.83	12.48	14.08
	3H	8.28	8.87	9.44	10.03	11.65	12.01	12.60	13.17	13.75	15.37
	4H	8.46	9.03	9.63	10.18	11.80	12.45	13.01	13.62	14.16	15.79
	6H	8.57	9.09	9.75	10.24	11.88	12.73	13.24	13.91	14.40	16.04
	8H	8.56	9.06	9.75	10.23	11.86	12.80	13.29	13.98	14.46	16.09
	12H	8.53	9.00	9.71	10.16	11.81	12.83	13.30	14.02	14.46	16.11
4H	2H	8.83	9.40	10.01	10.55	12.17	11.05	11.62	12.23	12.77	14.39
	3H	9.84	10.31	11.02	11.49	13.12	12.55	13.02	13.73	14.19	15.83
	4H	10.11	10.54	11.29	11.71	13.36	13.07	13.50	14.26	14.67	16.33
	6H	10.22	10.59	11.41	11.78	13.42	13.43	13.80	14.62	14.99	16.63
	8H	10.22	10.57	11.41	11.75	13.41	13.54	13.88	14.72	15.06	16.72
	12H	10.18	10.49	11.38	11.68	13.35	13.59	13.90	14.79	15.09	16.76
8H	4H	10.55	10.89	11.74	12.07	13.74	13.18	13.52	14.37	14.70	16.37
	6H	10.80	11.09	12.01	12.31	13.97	13.61	13.90	14.82	15.12	16.78
	8H	10.84	11.09	12.05	12.29	13.97	13.77	14.01	14.98	15.21	16.89
	12H	10.82	11.03	12.03	12.23	13.94	13.86	14.08	15.08	15.27	16.98
12H	4H	10.54	10.86	11.75	12.05	13.72	13.13	13.45	14.34	14.64	16.30
	6H	10.86	11.11	12.07	12.31	13.99	13.61	13.86	14.82	15.05	16.73
	8H	10.92	11.14	12.14	12.33	14.04	13.76	13.98	14.98	15.18	16.89