

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: P935155

Luminaire Tested: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935155
REPORT IS A COMBINATION OF REPORTS P933741 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-12-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

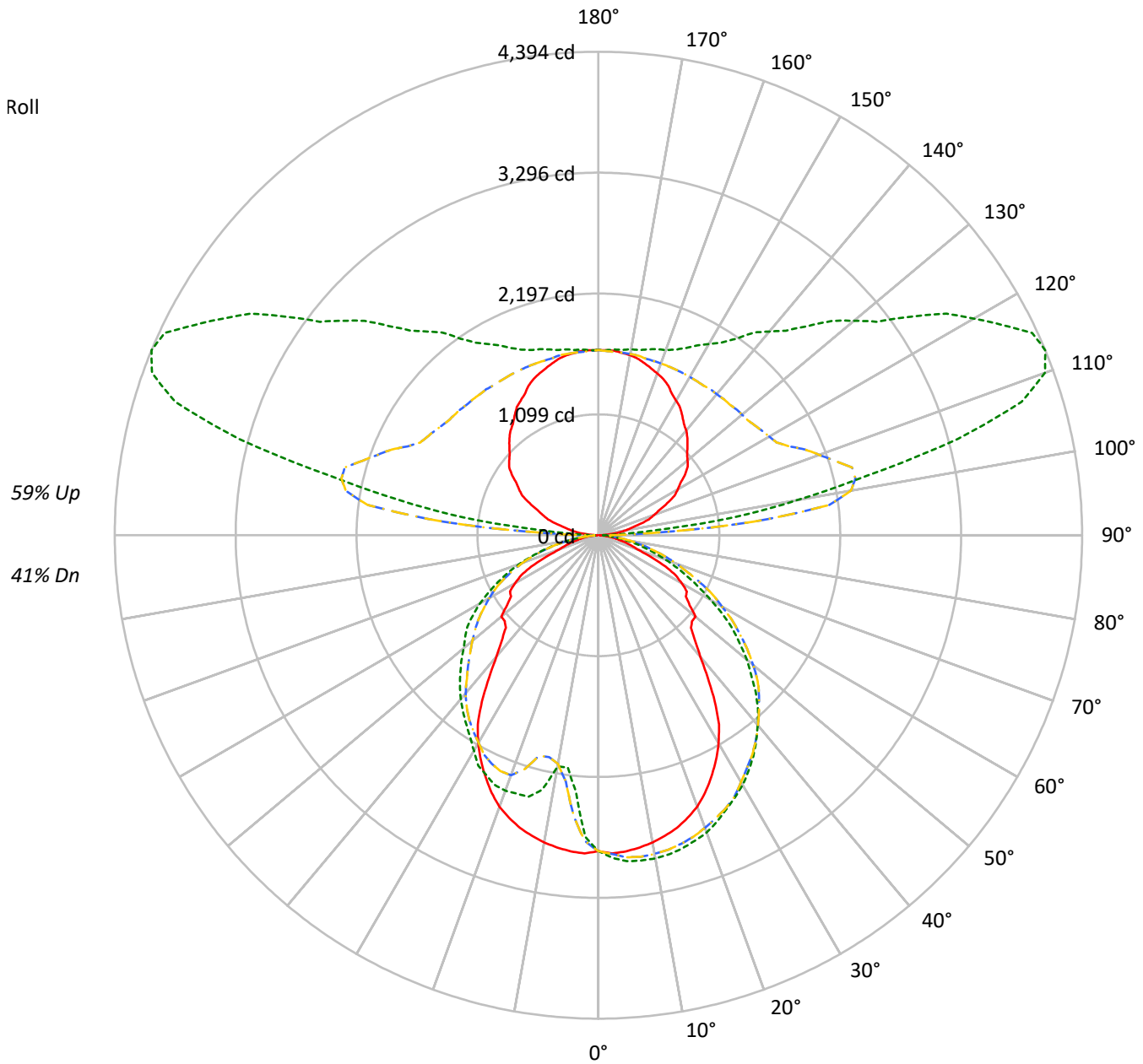
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18358.4 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 147.6
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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CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-12-4000K

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	105	105	105	105	96	96	96	96	78	78	78	62	62	62	47	47	47	41
1	96	91	88	84	87	83	80	77	68	66	64	55	53	52	42	41	40	34
2	87	80	74	69	79	73	68	63	60	56	53	48	45	43	37	35	34	29
3	79	70	63	57	72	64	58	53	53	48	45	42	39	37	33	31	29	24
4	73	62	54	48	66	57	50	45	47	42	38	38	34	31	29	27	25	21
5	67	55	47	41	60	51	44	38	42	37	33	34	30	27	26	24	22	18
6	61	49	41	36	56	45	38	33	38	32	28	31	27	24	24	21	19	16
7	57	45	37	31	51	41	34	29	34	29	25	28	24	21	22	19	17	14
8	52	40	33	27	48	37	30	26	31	26	22	25	21	18	20	17	15	13
9	49	37	29	24	44	34	27	23	28	23	20	23	19	17	18	16	13	11
10	46	34	26	22	41	31	25	20	26	21	18	21	18	15	17	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8878	8878	8878	8878
5°	8948	8962	8948	7047
10°	8891	8828	8891	6311
15°	8798	8637	8798	7212
20°	8618	8410	8618	7227
25°	8244	8080	8244	7074
30°	7760	7805	7760	6738
35°	6922	7459	6922	6368
40°	5771	7050	5771	6089
45°	5160	6571	5160	5768
50°	5486	6001	5486	5445
55°	5166	5387	5166	5259
60°	5332	4575	5332	4817
65°	4842	3782	4842	4227
70°	3361	3014	3361	3544
75°	2959	2228	2959	2668
80°	2402	1473	2402	1604
85°	1406	780	1406	663

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7903 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.1	1.4
10°-20°	735.6	4.0
20°-30°	1137.2	6.2
30°-40°	1357.5	7.4
40°-50°	1365.5	7.4
50°-60°	1188.1	6.5
60°-70°	842.4	4.6
70°-80°	445.7	2.4
80°-90°	117.4	0.6
90°-100°	820.3	4.5
100°-110°	2156.7	11.7
110°-120°	2236.3	12.2
120°-130°	1793.8	9.8
130°-140°	1407.5	7.7
140°-150°	1080.3	5.9
150°-160°	778.0	4.2
160°-170°	476.0	2.6
170°-180°	160.8	0.9
0°-30°	2131.9	11.6
0°-40°	3489.5	19.0
0°-60°	6043.1	32.9
0°-90°	7448.6	40.6
90°-120°	5213.4	28.4
90°-150°	9495.0	51.7
90°-180°	10910.0	59.4
0°-180°	18358.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2870	2870	2870	2870	2870	
5°	2884	2974	2884	2338	2884	274
15°	2754	2946	2754	2460	2754	775
25°	2425	2748	2425	2406	2425	1113
35°	1844	2452	1844	2094	1844	1141
45°	1189	2020	1189	1773	1189	953
55°	969	1491	969	1456	969	891
65°	673	899	673	1005	673	644
75°	255	426	255	510	255	268
85°	43	109	43	92	43	59
90°	11	43	11	43	11	11
95°	108	496	108	496	108	120
105°	389	3377	389	3377	389	412
115°	690	4348	690	4348	690	682
125°	960	3463	960	3463	960	852
135°	1144	2687	1144	2687	1144	885
145°	1327	2180	1327	2180	1327	831
155°	1500	1877	1500	1877	1500	689
165°	1618	1748	1618	1748	1618	457
175°	1683	1694	1683	1694	1683	160
180°	1683	1683	1683	1683	1683	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4
2.5°	2894.8	2894.8	2911.1	2916.5	2916.5	2908.4	2900.2	2908.4	2932.8	2941.0	2938.2
5°	2883.9	2905.7	2935.5	2941.0	2946.4	2943.7	2938.2	2943.7	2970.8	2976.3	2979.0
7.5°	2862.2	2902.9	2941.0	2949.1	2957.3	2949.1	2946.4	2951.8	2979.0	2984.4	2984.4
10°	2835.1	2892.1	2935.5	2941.0	2949.1	2941.0	2941.0	2951.8	2979.0	2984.4	2987.1
12.5°	2797.0	2875.8	2916.5	2922.0	2932.8	2930.1	2927.4	2938.2	2965.4	2970.8	2970.8
15°	2753.6	2845.9	2883.9	2889.4	2908.4	2902.9	2902.9	2913.8	2943.7	2951.8	2949.1
17.5°	2693.8	2807.9	2851.3	2859.5	2873.1	2870.4	2873.1	2883.9	2911.1	2916.5	2919.2
20°	2626.0	2756.3	2807.9	2816.0	2829.6	2829.6	2829.6	2843.2	2870.4	2881.2	2881.2
22.5°	2533.6	2702.0	2756.3	2761.7	2778.0	2778.0	2783.5	2802.5	2826.9	2829.6	2829.6
25°	2425.0	2642.3	2688.4	2704.7	2721.0	2729.2	2737.3	2748.2	2756.3	2753.6	2756.3
27.5°	2310.9	2566.2	2626.0	2636.8	2658.5	2666.7	2677.6	2680.3	2683.0	2691.1	2685.7
30°	2183.2	2460.3	2549.9	2560.8	2596.1	2601.5	2590.7	2596.1	2609.7	2615.1	2620.5
32.5°	2039.3	2302.7	2471.2	2495.6	2528.2	2511.9	2509.2	2517.3	2539.1	2539.1	2544.5
35°	1843.8	2180.5	2397.9	2419.6	2444.0	2425.0	2435.9	2438.6	2452.2	2460.3	2457.6
37.5°	1629.3	2074.6	2321.7	2338.0	2357.0	2332.6	2348.9	2357.0	2367.9	2362.5	2362.5
40°	1439.2	1909.0	2232.1	2243.0	2259.3	2240.3	2256.6	2262.0	2267.4	2262.0	2259.3
42.5°	1298.0	1727.0	2137.1	2150.7	2139.8	2153.4	2158.8	2169.7	2161.5	2150.7	2150.7
45°	1189.4	1678.2	2033.9	2050.2	2033.9	2055.6	2063.8	2063.8	2039.3	2033.9	2031.2
47.5°	1154.1	1580.4	1930.7	1930.7	1922.6	1949.7	1963.3	1944.3	1919.8	1911.7	1911.7
50°	1151.4	1471.8	1789.5	1778.6	1816.7	1849.2	1835.7	1816.7	1797.6	1767.8	1767.8
52.5°	1045.5	1338.7	1607.6	1648.3	1708.0	1727.0	1705.3	1686.3	1653.7	1640.2	1629.3
55°	969.4	1200.2	1441.9	1523.4	1585.8	1610.3	1569.5	1550.5	1501.7	1493.5	1488.1
57.5°	953.1	999.3	1289.9	1393.0	1469.1	1466.4	1441.9	1406.6	1365.9	1357.7	1355.0
60°	874.4	722.3	1126.9	1249.1	1327.9	1319.7	1298.0	1265.4	1227.4	1222.0	1216.5
62.5°	792.9	524.1	942.3	1080.8	1192.1	1189.4	1170.4	1121.5	1094.3	1080.8	1069.9
65°	673.4	439.9	670.7	898.8	1059.0	1064.5	1023.7	988.4	958.6	942.3	939.6
67.5°	513.2	358.4	453.5	749.5	931.4	926.0	874.4	858.1	820.1	811.9	795.6
70°	380.2	239.0	315.0	608.3	806.5	792.9	752.2	733.2	697.9	678.9	668.0
72.5°	315.0	192.8	230.8	472.5	678.9	662.6	627.3	605.6	575.7	559.4	548.5
75°	255.3	203.7	176.5	350.3	551.2	540.4	507.8	486.1	461.6	439.9	442.6
77.5°	187.4	190.1	141.2	258.0	437.2	420.9	401.9	374.7	363.9	342.2	342.2
80°	141.2	149.4	105.9	176.5	315.0	315.0	298.7	279.7	260.7	249.8	249.8
82.5°	95.0	95.0	78.7	111.3	214.5	206.4	195.5	190.1	179.2	173.8	173.8
85°	43.4	54.3	48.9	67.9	116.8	122.2	122.2	116.8	114.1	108.6	111.3
87.5°	13.6	24.4	29.9	38.0	59.7	62.5	65.2	65.2	65.2	67.9	67.9
90°	11.3	20.4	29.3	31.6	49.7	73.8	85.8	76.3	57.2	42.9	42.9
92.5°	45.2	121.9	198.8	218.0	306.5	424.4	483.4	423.7	304.2	214.6	206.1
95°	108.4	249.0	389.6	424.7	754.1	1193.4	1413.0	1260.9	956.7	728.5	702.6
97.5°	187.5	311.5	435.5	466.5	1015.8	1748.1	2114.4	2018.2	1826.0	1681.8	1632.6
100°	248.5	360.9	473.3	501.5	1111.0	1923.7	2330.2	2337.2	2351.2	2361.7	2303.2
102.5°	300.4	405.3	510.2	536.5	1154.7	1979.0	2391.2	2513.6	2758.6	2942.3	2892.1
105°	388.6	477.4	566.3	588.4	1187.1	1985.3	2384.4	2659.0	3208.2	3620.0	3593.0
107.5°	478.9	561.7	644.6	665.3	1193.1	1896.9	2248.8	2631.8	3397.9	3972.4	3978.9
110°	539.9	614.7	689.5	708.2	1184.0	1818.6	2135.8	2564.0	3420.4	4062.7	4090.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	599.8	671.1	742.3	760.2	1184.5	1750.2	2033.1	2471.4	3347.8	4005.2	4048.3
115°	690.1	755.9	821.6	838.1	1195.4	1671.7	1910.0	2332.1	3176.5	3809.7	3869.6
117.5°	779.3	839.1	898.8	913.8	1217.6	1622.7	1825.3	2206.2	2968.3	3539.8	3606.2
120°	831.3	887.5	943.8	957.8	1235.7	1606.2	1791.4	2139.5	2835.8	3358.0	3422.5
122.5°	882.2	938.9	995.6	1009.8	1261.7	1597.5	1765.4	2078.9	2705.9	3176.1	3239.8
125°	960.1	1011.8	1063.5	1076.4	1296.6	1590.4	1737.2	2003.5	2536.1	2935.5	2994.1
127.5°	1023.3	1075.5	1127.7	1140.8	1331.7	1586.2	1713.5	1942.1	2399.4	2742.4	2791.8
130°	1057.2	1113.4	1169.6	1183.7	1357.3	1588.7	1704.4	1908.0	2315.1	2620.4	2666.2
132.5°	1092.3	1148.5	1204.7	1218.7	1377.9	1590.3	1696.5	1878.7	2243.2	2516.5	2557.4
135°	1144.2	1195.4	1246.6	1259.4	1400.6	1588.8	1683.0	1835.6	2140.7	2369.6	2404.9
137.5°	1197.3	1247.9	1298.6	1311.3	1434.4	1598.6	1680.7	1809.7	2067.7	2261.3	2290.1
140°	1241.3	1288.0	1334.7	1346.3	1455.1	1600.2	1672.7	1784.2	2007.1	2174.3	2201.3
142.5°	1275.2	1318.4	1361.5	1372.3	1472.4	1605.9	1672.7	1770.7	1966.5	2113.3	2136.5
145°	1327.1	1364.8	1402.5	1411.9	1495.1	1606.0	1661.5	1741.5	1901.7	2021.8	2039.3
147.5°	1379.1	1415.8	1452.4	1461.6	1528.2	1617.1	1661.5	1724.5	1850.5	1945.0	1959.6
150°	1413.0	1446.1	1479.2	1487.5	1545.6	1622.9	1661.5	1714.7	1821.1	1900.9	1912.7
152.5°	1448.0	1473.1	1498.2	1504.5	1556.8	1626.6	1661.5	1707.0	1797.7	1865.9	1874.8
155°	1499.9	1518.5	1537.1	1541.8	1581.7	1634.9	1661.5	1697.6	1769.9	1824.1	1830.0
157.5°	1538.3	1556.4	1574.5	1579.1	1606.6	1643.2	1661.5	1689.6	1745.8	1788.0	1792.1
160°	1564.3	1578.4	1592.4	1596.0	1617.8	1646.9	1661.5	1685.6	1733.7	1769.9	1772.2
162.5°	1590.3	1600.8	1611.4	1614.0	1629.8	1650.9	1661.5	1681.8	1722.4	1752.9	1755.2
165°	1618.5	1628.0	1637.6	1640.0	1647.1	1656.7	1661.5	1676.1	1705.1	1727.0	1729.3
167.5°	1644.5	1649.0	1653.5	1654.7	1660.7	1668.8	1672.7	1682.3	1701.4	1715.7	1716.7
170°	1661.5	1666.0	1670.6	1671.7	1672.0	1672.5	1672.7	1682.3	1701.4	1715.7	1715.7
172.5°	1670.5	1671.5	1672.5	1672.7	1672.7	1672.7	1672.7	1680.3	1695.4	1706.7	1705.8
175°	1683.0	1683.0	1683.0	1683.0	1679.5	1675.0	1672.7	1677.5	1687.0	1694.2	1694.2
177.5°	1683.0	1683.0	1683.0	1683.0	1680.3	1676.8	1675.0	1678.8	1686.3	1691.9	1690.9
180°	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4
2.5°	2943.7	2935.5	2943.7	2938.2	2941.0	2932.8	2908.4	2900.2	2908.4	2916.5	2916.5
5°	2979.0	2973.5	2979.0	2979.0	2976.3	2970.8	2943.7	2938.2	2943.7	2946.4	2941.0
7.5°	2989.8	2981.7	2989.8	2984.4	2984.4	2979.0	2951.8	2946.4	2949.1	2957.3	2949.1
10°	2989.8	2981.7	2989.8	2987.1	2984.4	2979.0	2951.8	2941.0	2941.0	2949.1	2941.0
12.5°	2976.3	2970.8	2976.3	2970.8	2970.8	2965.4	2938.2	2927.4	2930.1	2932.8	2922.0
15°	2954.5	2946.4	2954.5	2949.1	2951.8	2943.7	2913.8	2902.9	2902.9	2908.4	2889.4
17.5°	2922.0	2911.1	2922.0	2919.2	2916.5	2911.1	2883.9	2873.1	2870.4	2873.1	2859.5
20°	2883.9	2875.8	2883.9	2881.2	2881.2	2870.4	2843.2	2829.6	2829.6	2829.6	2816.0
22.5°	2824.2	2816.0	2824.2	2829.6	2829.6	2826.9	2802.5	2783.5	2778.0	2778.0	2761.7
25°	2756.3	2748.2	2756.3	2756.3	2753.6	2756.3	2748.2	2737.3	2729.2	2721.0	2704.7
27.5°	2691.1	2685.7	2691.1	2685.7	2691.1	2683.0	2680.3	2677.6	2666.7	2658.5	2636.8
30°	2626.0	2620.5	2626.0	2620.5	2615.1	2609.7	2596.1	2590.7	2601.5	2596.1	2560.8
32.5°	2544.5	2539.1	2544.5	2544.5	2539.1	2539.1	2517.3	2509.2	2511.9	2528.2	2495.6
35°	2460.3	2452.2	2460.3	2457.6	2460.3	2452.2	2438.6	2435.9	2425.0	2444.0	2419.6
37.5°	2362.5	2354.3	2362.5	2362.5	2362.5	2367.9	2357.0	2348.9	2332.6	2357.0	2338.0
40°	2262.0	2251.1	2262.0	2259.3	2262.0	2267.4	2262.0	2256.6	2240.3	2259.3	2243.0
42.5°	2147.9	2145.2	2147.9	2150.7	2150.7	2161.5	2169.7	2158.8	2153.4	2139.8	2150.7
45°	2025.8	2020.3	2025.8	2031.2	2033.9	2039.3	2063.8	2063.8	2055.6	2033.9	2050.2
47.5°	1895.4	1881.8	1895.4	1911.7	1911.7	1919.8	1944.3	1963.3	1949.7	1922.6	1930.7
50°	1756.9	1759.6	1756.9	1767.8	1767.8	1797.6	1816.7	1835.7	1849.2	1816.7	1778.6
52.5°	1621.1	1618.4	1621.1	1629.3	1640.2	1653.7	1686.3	1705.3	1727.0	1708.0	1648.3
55°	1485.4	1490.8	1485.4	1488.1	1493.5	1501.7	1550.5	1569.5	1610.3	1585.8	1523.4
57.5°	1349.6	1341.4	1349.6	1355.0	1357.7	1365.9	1406.6	1441.9	1466.4	1469.1	1393.0
60°	1192.1	1181.2	1192.1	1216.5	1222.0	1227.4	1265.4	1298.0	1319.7	1327.9	1249.1
62.5°	1053.6	1034.6	1053.6	1069.9	1080.8	1094.3	1121.5	1170.4	1189.4	1192.1	1080.8
65°	907.0	898.8	907.0	939.6	942.3	958.6	988.4	1023.7	1064.5	1059.0	898.8
67.5°	773.9	773.9	773.9	795.6	811.9	820.1	858.1	874.4	926.0	931.4	749.5
70°	651.7	649.0	651.7	668.0	678.9	697.9	733.2	752.2	792.9	806.5	608.3
72.5°	535.0	532.2	535.0	548.5	559.4	575.7	605.6	627.3	662.6	678.9	472.5
75°	431.8	426.3	431.8	442.6	439.9	461.6	486.1	507.8	540.4	551.2	350.3
77.5°	331.3	331.3	331.3	342.2	342.2	363.9	374.7	401.9	420.9	437.2	258.0
80°	247.1	244.4	247.1	249.8	249.8	260.7	279.7	298.7	315.0	315.0	176.5
82.5°	173.8	168.4	173.8	173.8	173.8	179.2	190.1	195.5	206.4	214.5	111.3
85°	108.6	108.6	108.6	111.3	108.6	114.1	116.8	122.2	122.2	116.8	67.9
87.5°	70.6	67.9	70.6	67.9	67.9	65.2	65.2	65.2	62.5	59.7	38.0
90°	42.9	42.9	42.9	42.9	42.9	57.2	76.3	85.8	73.8	49.7	31.6
92.5°	171.9	137.8	171.9	206.1	214.6	304.2	423.7	483.4	424.4	306.5	218.0
95°	599.2	495.8	599.2	702.6	728.5	956.7	1260.9	1413.0	1193.4	754.1	424.7
97.5°	1435.9	1239.1	1435.9	1632.6	1681.8	1826.0	2018.2	2114.4	1748.1	1015.8	466.5
100°	2068.7	1834.3	2068.7	2303.2	2361.7	2351.2	2337.2	2330.2	1923.7	1111.0	501.5
102.5°	2691.3	2490.6	2691.3	2892.1	2942.3	2758.6	2513.6	2391.2	1979.0	1154.7	536.5
105°	3485.1	3377.2	3485.1	3593.0	3620.0	3208.2	2659.0	2384.4	1985.3	1187.1	588.4
107.5°	4005.1	4031.1	4005.1	3978.9	3972.4	3397.9	2631.8	2248.8	1896.9	1193.1	665.3
110°	4203.3	4315.8	4203.3	4090.9	4062.7	3420.4	2564.0	2135.8	1818.6	1184.0	708.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4221.0	4393.7	4221.0	4048.3	4005.2	3347.8	2471.4	2033.1	1750.2	1184.5	760.2
115°	4109.1	4348.5	4109.1	3869.6	3809.7	3176.5	2332.1	1910.0	1671.7	1195.4	838.1
117.5°	3871.7	4137.3	3871.7	3606.2	3539.8	2968.3	2206.2	1825.3	1622.7	1217.6	913.8
120°	3680.5	3938.5	3680.5	3422.5	3358.0	2835.8	2139.5	1791.4	1606.2	1235.7	957.8
122.5°	3494.2	3748.7	3494.2	3239.8	3176.1	2705.9	2078.9	1765.4	1597.5	1261.7	1009.8
125°	3228.5	3463.0	3228.5	2994.1	2935.5	2536.1	2003.5	1737.2	1590.4	1296.6	1076.4
127.5°	2989.7	3187.4	2989.7	2791.8	2742.4	2399.4	1942.1	1713.5	1586.2	1331.7	1140.8
130°	2848.8	3031.6	2848.8	2666.2	2620.4	2315.1	1908.0	1704.4	1588.7	1357.3	1183.7
132.5°	2721.1	2884.7	2721.1	2557.4	2516.5	2243.2	1878.7	1696.5	1590.3	1377.9	1218.7
135°	2545.9	2687.1	2545.9	2404.9	2369.6	2140.7	1835.6	1683.0	1588.8	1400.6	1259.4
137.5°	2405.6	2521.1	2405.6	2290.1	2261.3	2067.7	1809.7	1680.7	1598.6	1434.4	1311.3
140°	2309.2	2417.1	2309.2	2201.3	2174.3	2007.1	1784.2	1672.7	1600.2	1455.1	1346.3
142.5°	2229.3	2322.2	2229.3	2136.5	2113.3	1966.5	1770.7	1672.7	1605.9	1472.4	1372.3
145°	2109.7	2179.9	2109.7	2039.3	2021.8	1901.7	1741.5	1661.5	1606.0	1495.1	1411.9
147.5°	2017.8	2076.0	2017.8	1959.6	1945.0	1850.5	1724.5	1661.5	1617.1	1528.2	1461.6
150°	1959.9	2007.1	1959.9	1912.7	1900.9	1821.1	1714.7	1661.5	1622.9	1545.6	1487.5
152.5°	1910.4	1946.1	1910.4	1874.8	1865.9	1797.7	1707.0	1661.5	1626.6	1556.8	1504.5
155°	1853.6	1877.2	1853.6	1830.0	1824.1	1769.9	1697.6	1661.5	1634.9	1581.7	1541.8
157.5°	1808.7	1825.3	1808.7	1792.1	1788.0	1745.8	1689.6	1661.5	1643.2	1606.6	1579.1
160°	1781.8	1791.4	1781.8	1772.2	1769.9	1733.7	1685.6	1661.5	1646.9	1617.8	1596.0
162.5°	1764.2	1773.3	1764.2	1755.2	1752.9	1722.4	1681.8	1661.5	1650.9	1629.8	1614.0
165°	1738.9	1748.4	1738.9	1729.3	1727.0	1705.1	1676.1	1661.5	1656.7	1647.1	1640.0
167.5°	1720.7	1724.7	1720.7	1716.7	1715.7	1701.4	1682.3	1672.7	1668.8	1660.7	1654.7
170°	1715.7	1715.7	1715.7	1715.7	1715.7	1701.4	1682.3	1672.7	1672.5	1672.0	1671.7
172.5°	1702.2	1698.7	1702.2	1705.8	1706.7	1695.4	1680.3	1672.7	1672.7	1672.7	1672.7
175°	1694.2	1694.2	1694.2	1694.2	1694.2	1687.0	1677.5	1672.7	1675.0	1679.5	1683.0
177.5°	1686.9	1683.0	1686.9	1690.9	1691.9	1686.3	1678.8	1675.0	1676.8	1680.3	1683.0
180°	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0



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CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4
2.5°	2911.1	2894.8	2894.8	2867.6	2856.8	2848.6	2835.1	2794.3	2783.5	2772.6	2788.9
5°	2935.5	2905.7	2883.9	2835.1	2794.3	2778.0	2726.4	2628.7	2563.5	2514.6	2487.5
7.5°	2941.0	2902.9	2862.2	2786.2	2688.4	2645.0	2487.5	2308.2	2259.3	2215.8	2188.7
10°	2935.5	2892.1	2835.1	2721.0	2490.2	2414.2	2256.6	2139.8	2109.9	2101.8	2109.9
12.5°	2916.5	2875.8	2797.0	2607.0	2283.7	2232.1	2139.8	2071.9	2066.5	2080.1	2153.4
15°	2883.9	2845.9	2753.6	2454.9	2169.7	2131.7	2066.5	2042.0	2071.9	2167.0	2386.9
17.5°	2851.3	2807.9	2693.8	2305.4	2082.8	2055.6	2009.5	2058.3	2226.7	2354.3	2427.7
20°	2807.9	2756.3	2626.0	2196.8	2020.3	1995.9	1974.2	2194.1	2321.7	2367.9	2408.7
22.5°	2756.3	2702.0	2533.6	2120.8	1955.1	1936.1	1949.7	2270.1	2321.7	2354.3	2389.6
25°	2688.4	2642.3	2425.0	2061.1	1903.6	1881.8	1933.4	2262.0	2291.9	2300.0	2370.6
27.5°	2626.0	2566.2	2310.9	2006.7	1841.1	1833.0	1947.0	2226.7	2248.4	2256.6	2332.6
30°	2549.9	2460.3	2183.2	1949.7	1775.9	1773.2	1949.7	2183.2	2177.8	2199.5	2275.6
32.5°	2471.2	2302.7	2039.3	1879.1	1713.5	1710.8	1930.7	2118.1	2112.6	2142.5	2199.5
35°	2397.9	2180.5	1843.8	1797.6	1634.7	1637.4	1884.5	2042.0	2044.8	2071.9	2107.2
37.5°	2321.7	2074.6	1629.3	1708.0	1558.7	1558.7	1822.1	1971.4	1966.0	1974.2	2023.0
40°	2232.1	1909.0	1439.2	1591.3	1488.1	1479.9	1746.1	1895.4	1876.4	1873.7	1941.6
42.5°	2137.1	1727.0	1298.0	1436.5	1406.6	1395.8	1653.7	1803.1	1767.8	1775.9	1862.8
45°	2033.9	1678.2	1189.4	1213.8	1322.4	1314.3	1553.3	1697.2	1672.7	1694.5	1784.1
47.5°	1930.7	1580.4	1154.1	1007.4	1232.8	1230.1	1441.9	1594.0	1580.4	1602.1	1697.2
50°	1789.5	1471.8	1151.4	863.5	1132.4	1143.2	1308.9	1493.5	1493.5	1512.5	1613.0
52.5°	1607.6	1338.7	1045.5	782.1	1015.6	1048.2	1192.1	1406.6	1412.1	1431.1	1520.7
55°	1441.9	1200.2	969.4	719.6	877.1	947.7	1078.0	1317.0	1327.9	1346.9	1428.3
57.5°	1289.9	999.3	953.1	646.3	749.5	817.4	977.6	1230.1	1235.5	1251.8	1330.6
60°	1126.9	722.3	874.4	567.5	638.1	689.7	885.2	1126.9	1145.9	1156.8	1224.7
62.5°	942.3	524.1	792.9	513.2	583.8	594.7	809.2	1029.2	1053.6	1061.8	1102.5
65°	670.7	439.9	673.4	467.1	526.8	529.5	727.7	928.7	950.4	964.0	993.9
67.5°	453.5	358.4	513.2	423.6	483.4	486.1	649.0	811.9	841.8	852.7	871.7
70°	315.0	239.0	380.2	377.5	434.5	439.9	564.8	706.0	733.2	741.3	752.2
72.5°	230.8	192.8	315.0	339.4	382.9	388.3	477.9	586.5	613.7	621.8	627.3
75°	176.5	203.7	255.3	296.0	325.9	328.6	391.0	477.9	496.9	502.4	505.1
77.5°	141.2	190.1	187.4	239.0	266.1	260.7	306.8	369.3	385.6	385.6	385.6
80°	105.9	149.4	141.2	171.1	195.5	190.1	220.0	263.4	268.8	274.3	271.5
82.5°	78.7	95.0	95.0	108.6	130.3	124.9	146.6	171.1	171.1	171.1	176.5
85°	48.9	54.3	43.4	57.0	73.3	70.6	81.5	92.3	95.0	95.0	89.6
87.5°	29.9	24.4	13.6	21.7	32.6	32.6	38.0	40.7	38.0	38.0	38.0
90°	29.3	20.4	11.3	20.4	29.3	31.6	49.7	73.8	85.8	76.3	57.2
92.5°	198.8	121.9	45.2	121.9	198.8	218.0	306.5	424.4	483.4	423.7	304.2
95°	389.6	249.0	108.4	249.0	389.6	424.7	754.1	1193.4	1413.0	1260.9	956.7
97.5°	435.5	311.5	187.5	311.5	435.5	466.5	1015.8	1748.1	2114.4	2018.2	1826.0
100°	473.3	360.9	248.5	360.9	473.3	501.5	1111.0	1923.7	2330.2	2337.2	2351.2
102.5°	510.2	405.3	300.4	405.3	510.2	536.5	1154.7	1979.0	2391.2	2513.6	2758.6
105°	566.3	477.4	388.6	477.4	566.3	588.4	1187.1	1985.3	2384.4	2659.0	3208.2
107.5°	644.6	561.7	478.9	561.7	644.6	665.3	1193.1	1896.9	2248.8	2631.8	3397.9
110°	689.5	614.7	539.9	614.7	689.5	708.2	1184.0	1818.6	2135.8	2564.0	3420.4



TEST NUMBER: P935155

CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	742.3	671.1	599.8	671.1	742.3	760.2	1184.5	1750.2	2033.1	2471.4	3347.8
115°	821.6	755.9	690.1	755.9	821.6	838.1	1195.4	1671.7	1910.0	2332.1	3176.5
117.5°	898.8	839.1	779.3	839.1	898.8	913.8	1217.6	1622.7	1825.3	2206.2	2968.3
120°	943.8	887.5	831.3	887.5	943.8	957.8	1235.7	1606.2	1791.4	2139.5	2835.8
122.5°	995.6	938.9	882.2	938.9	995.6	1009.8	1261.7	1597.5	1765.4	2078.9	2705.9
125°	1063.5	1011.8	960.1	1011.8	1063.5	1076.4	1296.6	1590.4	1737.2	2003.5	2536.1
127.5°	1127.7	1075.5	1023.3	1075.5	1127.7	1140.8	1331.7	1586.2	1713.5	1942.1	2399.4
130°	1169.6	1113.4	1057.2	1113.4	1169.6	1183.7	1357.3	1588.7	1704.4	1908.0	2315.1
132.5°	1204.7	1148.5	1092.3	1148.5	1204.7	1218.7	1377.9	1590.3	1696.5	1878.7	2243.2
135°	1246.6	1195.4	1144.2	1195.4	1246.6	1259.4	1400.6	1588.8	1683.0	1835.6	2140.7
137.5°	1298.6	1247.9	1197.3	1247.9	1298.6	1311.3	1434.4	1598.6	1680.7	1809.7	2067.7
140°	1334.7	1288.0	1241.3	1288.0	1334.7	1346.3	1455.1	1600.2	1672.7	1784.2	2007.1
142.5°	1361.5	1318.4	1275.2	1318.4	1361.5	1372.3	1472.4	1605.9	1672.7	1770.7	1966.5
145°	1402.5	1364.8	1327.1	1364.8	1402.5	1411.9	1495.1	1606.0	1661.5	1741.5	1901.7
147.5°	1452.4	1415.8	1379.1	1415.8	1452.4	1461.6	1528.2	1617.1	1661.5	1724.5	1850.5
150°	1479.2	1446.1	1413.0	1446.1	1479.2	1487.5	1545.6	1622.9	1661.5	1714.7	1821.1
152.5°	1498.2	1473.1	1448.0	1473.1	1498.2	1504.5	1556.8	1626.6	1661.5	1707.0	1797.7
155°	1537.1	1518.5	1499.9	1518.5	1537.1	1541.8	1581.7	1634.9	1661.5	1697.6	1769.9
157.5°	1574.5	1556.4	1538.3	1556.4	1574.5	1579.1	1606.6	1643.2	1661.5	1689.6	1745.8
160°	1592.4	1578.4	1564.3	1578.4	1592.4	1596.0	1617.8	1646.9	1661.5	1685.6	1733.7
162.5°	1611.4	1600.8	1590.3	1600.8	1611.4	1614.0	1629.8	1650.9	1661.5	1681.8	1722.4
165°	1637.6	1628.0	1618.5	1628.0	1637.6	1640.0	1647.1	1656.7	1661.5	1676.1	1705.1
167.5°	1653.5	1649.0	1644.5	1649.0	1653.5	1654.7	1660.7	1668.8	1672.7	1682.3	1701.4
170°	1670.6	1666.0	1661.5	1666.0	1670.6	1671.7	1672.0	1672.5	1672.7	1682.3	1701.4
172.5°	1672.5	1671.5	1670.5	1671.5	1672.5	1672.7	1672.7	1672.7	1672.7	1680.3	1695.4
175°	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1679.5	1675.0	1672.7	1677.5	1687.0
177.5°	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1680.3	1676.8	1675.0	1678.8	1686.3
180°	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0



TEST NUMBER: P935155
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4
2.5°	2769.9	2761.7	2772.6	2742.7	2772.6	2761.7	2769.9	2788.9	2772.6	2783.5	2794.3
5°	2430.4	2416.9	2373.3	2338.0	2373.3	2416.9	2430.4	2487.5	2514.6	2563.5	2628.7
7.5°	2172.4	2161.5	2150.7	2128.9	2150.7	2161.5	2172.4	2188.7	2215.8	2259.3	2308.2
10°	2115.4	2118.1	2134.4	2131.7	2134.4	2118.1	2115.4	2109.9	2101.8	2109.9	2139.8
12.5°	2262.0	2286.4	2376.0	2370.6	2376.0	2286.4	2262.0	2153.4	2080.1	2066.5	2071.9
15°	2430.4	2438.6	2457.6	2460.3	2457.6	2438.6	2430.4	2386.9	2167.0	2071.9	2042.0
17.5°	2446.7	2449.5	2463.0	2463.0	2463.0	2449.5	2446.7	2427.7	2354.3	2226.7	2058.3
20°	2433.2	2438.6	2465.7	2471.2	2465.7	2438.6	2433.2	2408.7	2367.9	2321.7	2194.1
22.5°	2427.7	2438.6	2460.3	2457.6	2460.3	2438.6	2427.7	2389.6	2354.3	2321.7	2270.1
25°	2400.6	2400.6	2403.3	2406.0	2403.3	2400.6	2400.6	2370.6	2300.0	2291.9	2262.0
27.5°	2343.5	2348.9	2365.2	2362.5	2365.2	2348.9	2343.5	2332.6	2256.6	2248.4	2226.7
30°	2291.9	2286.4	2272.9	2262.0	2272.9	2286.4	2291.9	2275.6	2199.5	2177.8	2183.2
32.5°	2205.0	2191.4	2177.8	2169.7	2177.8	2191.4	2205.0	2199.5	2142.5	2112.6	2118.1
35°	2101.8	2104.5	2101.8	2093.6	2101.8	2104.5	2101.8	2107.2	2071.9	2044.8	2042.0
37.5°	2028.5	2033.9	2031.2	2020.3	2031.2	2033.9	2028.5	2023.0	1974.2	1966.0	1971.4
40°	1952.4	1955.1	1952.4	1944.3	1952.4	1955.1	1952.4	1941.6	1873.7	1876.4	1895.4
42.5°	1879.1	1876.4	1868.3	1862.8	1868.3	1876.4	1879.1	1862.8	1775.9	1767.8	1803.1
45°	1794.9	1797.6	1781.4	1773.2	1781.4	1797.6	1794.9	1784.1	1694.5	1672.7	1697.2
47.5°	1710.8	1710.8	1697.2	1689.0	1697.2	1710.8	1710.8	1697.2	1602.1	1580.4	1594.0
50°	1621.1	1618.4	1599.4	1596.7	1599.4	1618.4	1621.1	1613.0	1512.5	1493.5	1493.5
52.5°	1518.0	1518.0	1520.7	1526.1	1520.7	1518.0	1518.0	1520.7	1431.1	1412.1	1406.6
55°	1428.3	1431.1	1450.1	1455.5	1450.1	1431.1	1428.3	1428.3	1346.9	1327.9	1317.0
57.5°	1336.0	1336.0	1349.6	1349.6	1349.6	1336.0	1336.0	1330.6	1251.8	1235.5	1230.1
60°	1230.1	1235.5	1246.4	1243.7	1246.4	1235.5	1230.1	1224.7	1156.8	1145.9	1126.9
62.5°	1118.8	1124.2	1126.9	1121.5	1126.9	1124.2	1118.8	1102.5	1061.8	1053.6	1029.2
65°	1002.0	1007.4	1010.2	1004.7	1010.2	1007.4	1002.0	993.9	964.0	950.4	928.7
67.5°	882.5	879.8	877.1	888.0	877.1	879.8	882.5	871.7	852.7	841.8	811.9
70°	760.3	760.3	757.6	763.1	757.6	760.3	760.3	752.2	741.3	733.2	706.0
72.5°	630.0	627.3	638.1	630.0	638.1	627.3	630.0	627.3	621.8	613.7	586.5
75°	502.4	507.8	502.4	510.5	502.4	507.8	502.4	505.1	502.4	496.9	477.9
77.5°	382.9	388.3	382.9	382.9	382.9	388.3	382.9	385.6	385.6	385.6	369.3
80°	271.5	268.8	268.8	266.1	268.8	268.8	271.5	271.5	274.3	268.8	263.4
82.5°	173.8	171.1	171.1	176.5	171.1	171.1	173.8	176.5	171.1	171.1	171.1
85°	95.0	97.8	92.3	92.3	92.3	97.8	95.0	89.6	95.0	95.0	92.3
87.5°	35.3	32.6	32.6	32.6	32.6	32.6	35.3	38.0	38.0	38.0	40.7
90°	42.9	42.9	42.9	42.9	42.9	42.9	42.9	57.2	76.3	85.8	73.8
92.5°	214.6	206.1	171.9	137.8	171.9	206.1	214.6	304.2	423.7	483.4	424.4
95°	728.5	702.6	599.2	495.8	599.2	702.6	728.5	956.7	1260.9	1413.0	1193.4
97.5°	1681.8	1632.6	1435.9	1239.1	1435.9	1632.6	1681.8	1826.0	2018.2	2114.4	1748.1
100°	2361.7	2303.2	2068.7	1834.3	2068.7	2303.2	2361.7	2351.2	2337.2	2330.2	1923.7
102.5°	2942.3	2892.1	2691.3	2490.6	2691.3	2892.1	2942.3	2758.6	2513.6	2391.2	1979.0
105°	3620.0	3593.0	3485.1	3377.2	3485.1	3593.0	3620.0	3208.2	2659.0	2384.4	1985.3
107.5°	3972.4	3978.9	4005.1	4031.1	4005.1	3978.9	3972.4	3397.9	2631.8	2248.8	1896.9
110°	4062.7	4090.9	4203.3	4315.8	4203.3	4090.9	4062.7	3420.4	2564.0	2135.8	1818.6



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4005.2	4048.3	4221.0	4393.7	4221.0	4048.3	4005.2	3347.8	2471.4	2033.1	1750.2
115°	3809.7	3869.6	4109.1	4348.5	4109.1	3869.6	3809.7	3176.5	2332.1	1910.0	1671.7
117.5°	3539.8	3606.2	3871.7	4137.3	3871.7	3606.2	3539.8	2968.3	2206.2	1825.3	1622.7
120°	3358.0	3422.5	3680.5	3938.5	3680.5	3422.5	3358.0	2835.8	2139.5	1791.4	1606.2
122.5°	3176.1	3239.8	3494.2	3748.7	3494.2	3239.8	3176.1	2705.9	2078.9	1765.4	1597.5
125°	2935.5	2994.1	3228.5	3463.0	3228.5	2994.1	2935.5	2536.1	2003.5	1737.2	1590.4
127.5°	2742.4	2791.8	2989.7	3187.4	2989.7	2791.8	2742.4	2399.4	1942.1	1713.5	1586.2
130°	2620.4	2666.2	2848.8	3031.6	2848.8	2666.2	2620.4	2315.1	1908.0	1704.4	1588.7
132.5°	2516.5	2557.4	2721.1	2884.7	2721.1	2557.4	2516.5	2243.2	1878.7	1696.5	1590.3
135°	2369.6	2404.9	2545.9	2687.1	2545.9	2404.9	2369.6	2140.7	1835.6	1683.0	1588.8
137.5°	2261.3	2290.1	2405.6	2521.1	2405.6	2290.1	2261.3	2067.7	1809.7	1680.7	1598.6
140°	2174.3	2201.3	2309.2	2417.1	2309.2	2201.3	2174.3	2007.1	1784.2	1672.7	1600.2
142.5°	2113.3	2136.5	2229.3	2322.2	2229.3	2136.5	2113.3	1966.5	1770.7	1672.7	1605.9
145°	2021.8	2039.3	2109.7	2179.9	2109.7	2039.3	2021.8	1901.7	1741.5	1661.5	1606.0
147.5°	1945.0	1959.6	2017.8	2076.0	2017.8	1959.6	1945.0	1850.5	1724.5	1661.5	1617.1
150°	1900.9	1912.7	1959.9	2007.1	1959.9	1912.7	1900.9	1821.1	1714.7	1661.5	1622.9
152.5°	1865.9	1874.8	1910.4	1946.1	1910.4	1874.8	1865.9	1797.7	1707.0	1661.5	1626.6
155°	1824.1	1830.0	1853.6	1877.2	1853.6	1830.0	1824.1	1769.9	1697.6	1661.5	1634.9
157.5°	1788.0	1792.1	1808.7	1825.3	1808.7	1792.1	1788.0	1745.8	1689.6	1661.5	1643.2
160°	1769.9	1772.2	1781.8	1791.4	1781.8	1772.2	1769.9	1733.7	1685.6	1661.5	1646.9
162.5°	1752.9	1755.2	1764.2	1773.3	1764.2	1755.2	1752.9	1722.4	1681.8	1661.5	1650.9
165°	1727.0	1729.3	1738.9	1748.4	1738.9	1729.3	1727.0	1705.1	1676.1	1661.5	1656.7
167.5°	1715.7	1716.7	1720.7	1724.7	1720.7	1716.7	1715.7	1701.4	1682.3	1672.7	1668.8
170°	1715.7	1715.7	1715.7	1715.7	1715.7	1715.7	1715.7	1701.4	1682.3	1672.7	1672.5
172.5°	1706.7	1705.8	1702.2	1698.7	1702.2	1705.8	1706.7	1695.4	1680.3	1672.7	1672.7
175°	1694.2	1694.2	1694.2	1694.2	1694.2	1694.2	1694.2	1687.0	1677.5	1672.7	1675.0
177.5°	1691.9	1690.9	1686.9	1683.0	1686.9	1690.9	1691.9	1686.3	1678.8	1675.0	1676.8
180°	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2870.4	2870.4	2870.4	2870.4	2870.4
2.5°	2835.1	2848.6	2856.8	2867.6	2894.8
5°	2726.4	2778.0	2794.3	2835.1	2883.9
7.5°	2487.5	2645.0	2688.4	2786.2	2862.2
10°	2256.6	2414.2	2490.2	2721.0	2835.1
12.5°	2139.8	2232.1	2283.7	2607.0	2797.0
15°	2066.5	2131.7	2169.7	2454.9	2753.6
17.5°	2009.5	2055.6	2082.8	2305.4	2693.8
20°	1974.2	1995.9	2020.3	2196.8	2626.0
22.5°	1949.7	1936.1	1955.1	2120.8	2533.6
25°	1933.4	1881.8	1903.6	2061.1	2425.0
27.5°	1947.0	1833.0	1841.1	2006.7	2310.9
30°	1949.7	1773.2	1775.9	1949.7	2183.2
32.5°	1930.7	1710.8	1713.5	1879.1	2039.3
35°	1884.5	1637.4	1634.7	1797.6	1843.8
37.5°	1822.1	1558.7	1558.7	1708.0	1629.3
40°	1746.1	1479.9	1488.1	1591.3	1439.2
42.5°	1653.7	1395.8	1406.6	1436.5	1298.0
45°	1553.3	1314.3	1322.4	1213.8	1189.4
47.5°	1441.9	1230.1	1232.8	1007.4	1154.1
50°	1308.9	1143.2	1132.4	863.5	1151.4
52.5°	1192.1	1048.2	1015.6	782.1	1045.5
55°	1078.0	947.7	877.1	719.6	969.4
57.5°	977.6	817.4	749.5	646.3	953.1
60°	885.2	689.7	638.1	567.5	874.4
62.5°	809.2	594.7	583.8	513.2	792.9
65°	727.7	529.5	526.8	467.1	673.4
67.5°	649.0	486.1	483.4	423.6	513.2
70°	564.8	439.9	434.5	377.5	380.2
72.5°	477.9	388.3	382.9	339.4	315.0
75°	391.0	328.6	325.9	296.0	255.3
77.5°	306.8	260.7	266.1	239.0	187.4
80°	220.0	190.1	195.5	171.1	141.2
82.5°	146.6	124.9	130.3	108.6	95.0
85°	81.5	70.6	73.3	57.0	43.4
87.5°	38.0	32.6	32.6	21.7	13.6
90°	49.7	31.6	29.3	20.4	11.3
92.5°	306.5	218.0	198.8	121.9	45.2
95°	754.1	424.7	389.6	249.0	108.4
97.5°	1015.8	466.5	435.5	311.5	187.5
100°	1111.0	501.5	473.3	360.9	248.5
102.5°	1154.7	536.5	510.2	405.3	300.4
105°	1187.1	588.4	566.3	477.4	388.6
107.5°	1193.1	665.3	644.6	561.7	478.9
110°	1184.0	708.2	689.5	614.7	539.9



TEST NUMBER: P935155

CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1184.5	760.2	742.3	671.1	599.8
115°	1195.4	838.1	821.6	755.9	690.1
117.5°	1217.6	913.8	898.8	839.1	779.3
120°	1235.7	957.8	943.8	887.5	831.3
122.5°	1261.7	1009.8	995.6	938.9	882.2
125°	1296.6	1076.4	1063.5	1011.8	960.1
127.5°	1331.7	1140.8	1127.7	1075.5	1023.3
130°	1357.3	1183.7	1169.6	1113.4	1057.2
132.5°	1377.9	1218.7	1204.7	1148.5	1092.3
135°	1400.6	1259.4	1246.6	1195.4	1144.2
137.5°	1434.4	1311.3	1298.6	1247.9	1197.3
140°	1455.1	1346.3	1334.7	1288.0	1241.3
142.5°	1472.4	1372.3	1361.5	1318.4	1275.2
145°	1495.1	1411.9	1402.5	1364.8	1327.1
147.5°	1528.2	1461.6	1452.4	1415.8	1379.1
150°	1545.6	1487.5	1479.2	1446.1	1413.0
152.5°	1556.8	1504.5	1498.2	1473.1	1448.0
155°	1581.7	1541.8	1537.1	1518.5	1499.9
157.5°	1606.6	1579.1	1574.5	1556.4	1538.3
160°	1617.8	1596.0	1592.4	1578.4	1564.3
162.5°	1629.8	1614.0	1611.4	1600.8	1590.3
165°	1647.1	1640.0	1637.6	1628.0	1618.5
167.5°	1660.7	1654.7	1653.5	1649.0	1644.5
170°	1672.0	1671.7	1670.6	1666.0	1661.5
172.5°	1672.7	1672.7	1672.5	1671.5	1670.5
175°	1679.5	1683.0	1683.0	1683.0	1683.0
177.5°	1680.3	1683.0	1683.0	1683.0	1683.0
180°	1683.0	1683.0	1683.0	1683.0	1683.0



TEST NUMBER: P935155
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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	11.46	12.24	12.49	13.28	14.68	14.31	15.09	15.34	16.13	17.53
	3H	11.93	12.63	12.97	13.68	15.10	15.66	16.36	16.70	17.41	18.83
	4H	12.12	12.78	13.17	13.83	15.26	16.10	16.77	17.16	17.82	19.24
	6H	12.23	12.84	13.30	13.90	15.34	16.39	17.00	17.45	18.05	19.49
	8H	12.23	12.81	13.30	13.88	15.32	16.46	17.04	17.53	18.12	19.55
	12H	12.20	12.75	13.27	13.82	15.28	16.50	17.05	17.58	18.12	19.58
4H	2H	12.49	13.15	13.55	14.20	15.63	14.71	15.37	15.77	16.42	17.85
	3H	13.51	14.06	14.58	15.14	16.58	16.21	16.77	17.28	17.85	19.29
	4H	13.78	14.29	14.86	15.36	16.82	16.74	17.25	17.82	18.32	19.78
	6H	13.90	14.34	14.99	15.43	16.88	17.11	17.54	18.19	18.64	20.09
	8H	13.90	14.31	14.99	15.40	16.87	17.22	17.62	18.30	18.71	20.18
	12H	13.87	14.24	14.97	15.33	16.81	17.27	17.64	18.38	18.74	20.22
8H	4H	14.23	14.64	15.32	15.72	17.19	16.86	17.27	17.95	18.35	19.82
	6H	14.49	14.82	15.60	15.95	17.42	17.30	17.64	18.41	18.76	20.23
	8H	14.53	14.82	15.65	15.93	17.42	17.45	17.75	18.57	18.86	20.35
	12H	14.51	14.77	15.63	15.88	17.40	17.55	17.81	18.67	18.92	20.44
12H	4H	14.23	14.60	15.34	15.70	17.18	16.82	17.19	17.92	18.29	19.76
	6H	14.55	14.84	15.66	15.95	17.44	17.30	17.59	18.41	18.70	20.19
	8H	14.61	14.87	15.73	15.98	17.50	17.46	17.72	18.58	18.82	20.35