

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: P935879

Luminaire Tested: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935879
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-B2750-1D-UNV-STD-W-12-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

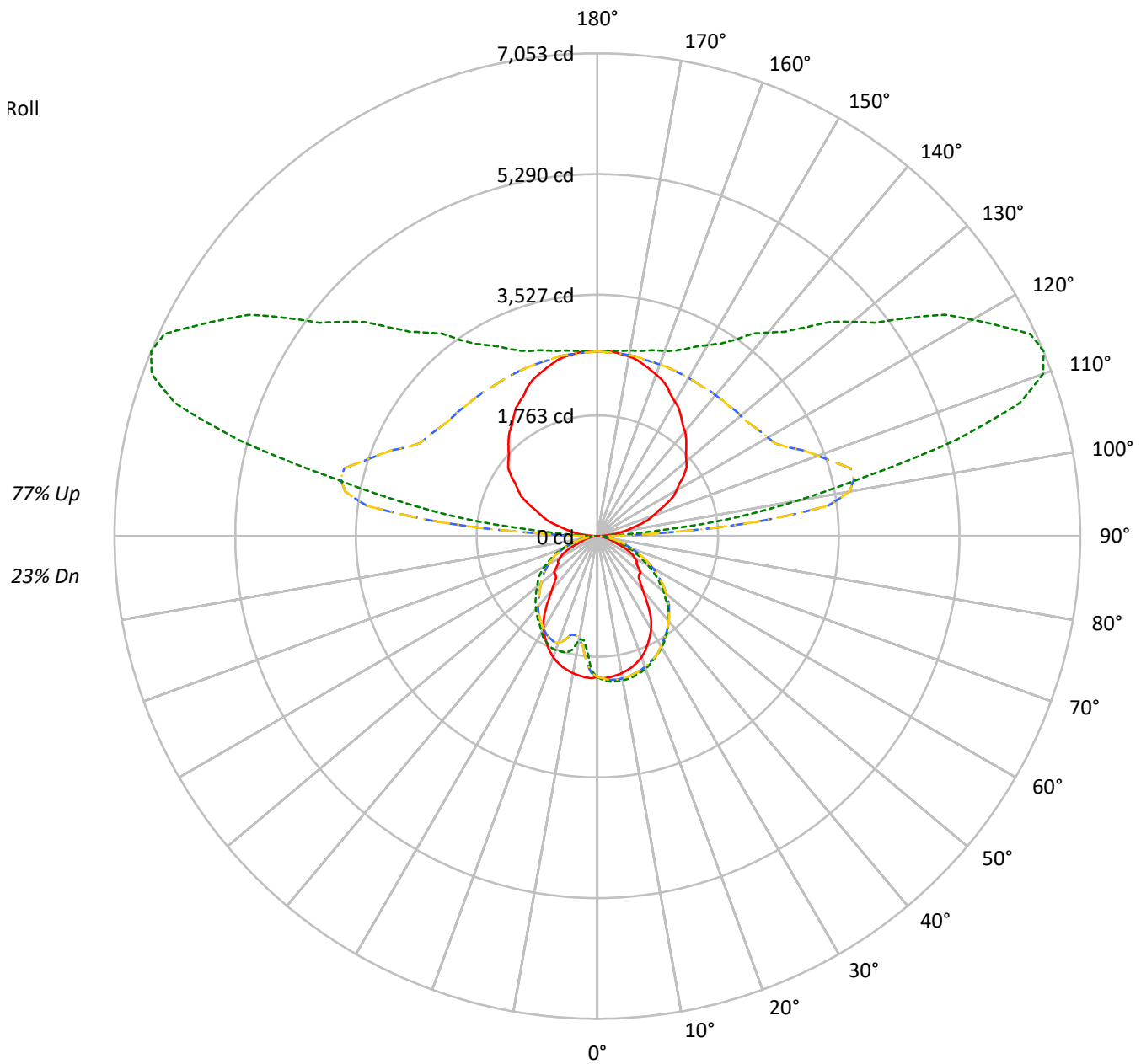
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22866.4 lumens
Efficiency: N/A
Efficacy: 137.1 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°	6374	6374	6374	6374
5°	6424	6434	6424	5059
10°	6383	6338	6383	4531
15°	6316	6201	6316	5178
20°	6187	6038	6187	5188
25°	5919	5801	5919	5078
30°	5572	5604	5572	4837
35°	4970	5355	4970	4572
40°	4143	5061	4143	4371
45°	3704	4718	3704	4141
50°	3939	4308	3939	3909
55°	3709	3868	3709	3776
60°	3828	3285	3828	3458
65°	3477	2716	3477	3035
70°	2414	2164	2414	2544
75°	2123	1600	2123	1915
80°	1725	1058	1725	1152
85°	1011	560	1011	476

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 6718 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.0	0.8
10°-20°	528.1	2.3
20°-30°	816.4	3.6
30°-40°	974.6	4.3
40°-50°	980.4	4.3
50°-60°	853.0	3.7
60°-70°	604.8	2.6
70°-80°	320.0	1.4
80°-90°	90.0	0.4
90°-100°	1316.9	5.8
100°-110°	3462.1	15.1
110°-120°	3589.9	15.7
120°-130°	2879.5	12.6
130°-140°	2259.4	9.9
140°-150°	1734.2	7.6
150°-160°	1248.9	5.5
160°-170°	764.1	3.3
170°-180°	258.2	1.1
0°-30°	1530.6	6.7
0°-40°	2505.2	11.0
0°-60°	4338.6	19.0
0°-90°	5353.4	23.4
90°-120°	8368.8	36.6
90°-150°	15241.9	66.7
90°-180°	17513.0	76.6
0°-180°	22866.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2061	2061	2061	2061	2061	
5°	2070	2135	2070	1679	2070	196
15°	1977	2115	1977	1766	1977	556
25°	1741	1973	1741	1727	1741	799
35°	1324	1760	1324	1503	1324	819
45°	854	1450	854	1273	854	684
55°	696	1070	696	1045	696	640
65°	484	645	484	721	484	462
75°	183	306	183	366	183	193
85°	31	78	31	66	31	42
90°	18	69	18	69	18	16
95°	174	796	174	796	174	193
105°	624	5421	624	5421	624	661
115°	1108	6980	1108	6980	1108	1094
125°	1541	5559	1541	5559	1541	1368
135°	1837	4313	1837	4313	1837	1421
145°	2130	3499	2130	3499	2130	1335
155°	2408	3013	2408	3013	2408	1106
165°	2598	2807	2598	2807	2598	733
175°	2702	2720	2702	2720	2702	256
180°	2702	2702	2702	2702	2702	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7
2.5°	2078.2	2078.2	2089.9	2093.8	2093.8	2088.0	2082.2	2088.0	2105.5	2111.4	2109.4
5°	2070.5	2086.1	2107.5	2111.4	2115.3	2113.4	2109.4	2113.4	2132.9	2136.7	2138.7
7.5°	2054.9	2084.1	2111.4	2117.3	2123.1	2117.3	2115.3	2119.2	2138.7	2142.6	2142.6
10°	2035.4	2076.3	2107.5	2111.4	2117.3	2111.4	2111.4	2119.2	2138.7	2142.6	2144.6
12.5°	2008.1	2064.6	2093.8	2097.8	2105.5	2103.6	2101.7	2109.4	2129.0	2132.9	2132.9
15°	1976.9	2043.1	2070.5	2074.3	2088.0	2084.1	2084.1	2091.9	2113.4	2119.2	2117.3
17.5°	1934.0	2015.9	2047.1	2052.9	2062.7	2060.7	2062.7	2070.5	2089.9	2093.8	2095.9
20°	1885.3	1978.8	2015.9	2021.7	2031.5	2031.5	2031.5	2041.2	2060.7	2068.5	2068.5
22.5°	1819.0	1939.8	1978.8	1982.8	1994.4	1994.4	1998.4	2011.9	2029.5	2031.5	2031.5
25°	1741.0	1896.9	1930.1	1941.8	1953.5	1959.3	1965.2	1973.0	1978.8	1976.9	1978.8
27.5°	1659.1	1842.4	1885.3	1893.0	1908.6	1914.5	1922.3	1924.2	1926.2	1932.0	1928.1
30°	1567.5	1766.3	1830.6	1838.5	1863.8	1867.7	1859.9	1863.8	1873.6	1877.4	1881.3
32.5°	1464.2	1653.2	1774.1	1791.7	1815.0	1803.4	1801.4	1807.3	1822.9	1822.9	1826.8
35°	1323.8	1565.5	1721.5	1737.1	1754.7	1741.0	1748.8	1750.7	1760.5	1766.3	1764.4
37.5°	1169.8	1489.4	1666.9	1678.6	1692.3	1674.7	1686.4	1692.3	1700.0	1696.1	1696.1
40°	1033.2	1370.6	1602.5	1610.4	1622.0	1608.4	1620.1	1624.0	1627.9	1624.0	1622.0
42.5°	931.9	1239.9	1534.3	1544.1	1536.3	1546.0	1549.9	1557.8	1551.9	1544.1	1544.1
45°	853.9	1204.9	1460.3	1471.9	1460.3	1475.9	1481.7	1481.7	1464.2	1460.3	1458.2
47.5°	828.6	1134.7	1386.2	1386.2	1380.3	1399.8	1409.5	1395.9	1378.4	1372.5	1372.5
50°	826.7	1056.7	1284.8	1276.9	1304.3	1327.6	1317.9	1304.3	1290.6	1269.2	1269.2
52.5°	750.6	961.2	1154.2	1183.4	1226.3	1239.9	1224.3	1210.7	1187.3	1177.5	1169.8
55°	696.0	861.7	1035.2	1093.7	1138.6	1156.1	1126.9	1113.2	1078.1	1072.3	1068.4
57.5°	684.3	717.4	926.1	1000.1	1054.8	1052.8	1035.2	1009.9	980.6	974.8	972.9
60°	627.8	518.6	809.1	896.8	953.3	947.5	931.9	908.5	881.2	877.3	873.5
62.5°	569.3	376.3	676.5	776.0	855.8	853.9	840.3	805.1	785.7	776.0	768.1
65°	483.5	315.8	481.6	645.4	760.4	764.3	735.0	709.7	688.2	676.5	674.5
67.5°	368.5	257.4	325.6	538.1	668.7	664.8	627.8	616.1	588.8	583.0	571.2
70°	273.0	171.6	226.2	436.7	579.1	569.3	540.0	526.4	501.1	487.4	479.6
72.5°	226.2	138.4	165.7	339.2	487.4	475.7	450.4	434.8	413.3	401.7	393.8
75°	183.2	146.2	126.7	251.5	395.7	388.0	364.5	348.9	331.4	315.8	317.7
77.5°	134.5	136.4	101.4	185.2	313.9	302.2	288.6	269.1	261.2	245.6	245.6
80°	101.4	107.3	76.1	126.7	226.2	226.2	214.4	200.8	187.1	179.4	179.4
82.5°	68.2	68.2	56.5	79.9	154.0	148.2	140.4	136.4	128.7	124.8	124.8
85°	31.2	39.0	35.1	48.7	83.8	87.7	87.7	83.8	81.9	78.0	79.9
87.5°	9.8	17.5	21.4	27.3	42.9	44.9	46.8	46.8	46.8	48.7	48.7
90°	18.1	32.7	47.2	50.8	79.7	118.4	137.8	122.5	91.9	68.9	68.9
92.5°	72.5	195.7	319.1	349.9	492.0	681.3	776.0	680.0	488.3	344.5	330.8
95°	174.0	399.6	625.3	681.7	1210.6	1915.7	2268.2	2024.0	1535.8	1169.5	1128.0
97.5°	301.0	500.0	699.0	748.8	1630.6	2806.3	3394.1	3239.9	2931.2	2699.7	2620.8
100°	398.8	579.4	759.9	805.0	1783.5	3088.1	3740.4	3751.7	3774.3	3791.2	3697.1
102.5°	482.3	650.7	819.1	861.2	1853.6	3176.8	3838.4	4035.0	4428.2	4723.2	4642.6
105°	623.7	766.4	909.0	944.7	1905.6	3186.8	3827.5	4268.3	5149.8	5811.0	5767.7
107.5°	768.8	901.8	1034.7	1067.9	1915.2	3045.0	3609.9	4224.7	5454.4	6376.7	6387.2
110°	866.7	986.7	1106.8	1136.8	1900.8	2919.3	3428.6	4116.0	5490.7	6521.8	6566.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	962.8	1077.2	1191.7	1220.3	1901.4	2809.5	3263.6	3967.1	5374.1	6429.3	6498.6
115°	1107.9	1213.4	1319.0	1345.4	1918.9	2683.6	3066.0	3743.7	5099.1	6115.6	6211.8
117.5°	1251.1	1346.9	1442.8	1466.8	1954.5	2604.8	2930.0	3541.6	4764.9	5682.3	5788.9
120°	1334.4	1424.7	1514.9	1537.5	1983.5	2578.2	2875.6	3434.4	4552.1	5390.4	5493.9
122.5°	1416.0	1507.1	1598.2	1620.9	2025.3	2564.4	2833.9	3337.1	4343.6	5098.5	5200.6
125°	1541.2	1624.1	1707.2	1727.9	2081.5	2552.9	2788.6	3216.1	4071.1	4712.2	4806.3
127.5°	1642.6	1726.5	1810.3	1831.2	2137.6	2546.2	2750.5	3117.6	3851.7	4402.3	4481.6
130°	1697.1	1787.3	1877.5	1900.1	2178.7	2550.2	2736.0	3062.7	3716.3	4206.4	4279.8
132.5°	1753.3	1843.5	1933.7	1956.3	2211.9	2552.8	2723.3	3015.8	3600.9	4039.7	4105.4
135°	1836.6	1918.8	2001.1	2021.6	2248.3	2550.5	2701.6	2946.5	3436.5	3803.9	3860.5
137.5°	1921.9	2003.3	2084.7	2105.1	2302.6	2566.1	2697.9	2905.0	3319.2	3629.9	3676.2
140°	1992.7	2067.6	2142.6	2161.3	2335.9	2568.7	2685.2	2864.1	3221.9	3490.2	3533.6
142.5°	2047.0	2116.3	2185.6	2202.9	2363.7	2578.0	2685.2	2842.4	3156.6	3392.4	3429.7
145°	2130.4	2190.9	2251.3	2266.4	2399.9	2578.0	2667.1	2795.6	3052.6	3245.5	3273.7
147.5°	2213.8	2272.6	2331.4	2346.1	2453.1	2595.8	2667.1	2768.2	2970.5	3122.2	3145.6
150°	2268.2	2321.4	2374.6	2387.9	2480.9	2605.1	2667.1	2752.5	2923.4	3051.5	3070.4
152.5°	2324.4	2364.7	2405.0	2415.0	2499.1	2611.1	2667.1	2740.0	2885.9	2995.3	3009.6
155°	2407.9	2437.7	2467.5	2474.9	2539.0	2624.3	2667.1	2725.1	2841.2	2928.2	2937.7
157.5°	2469.5	2498.5	2527.4	2534.7	2578.8	2637.6	2667.1	2712.2	2802.4	2870.2	2876.9
160°	2511.2	2533.7	2556.3	2561.9	2597.0	2643.7	2667.1	2705.7	2783.1	2841.1	2845.0
162.5°	2552.8	2569.8	2586.6	2590.9	2616.3	2650.1	2667.1	2699.7	2765.0	2814.0	2817.6
165°	2598.2	2613.5	2628.8	2632.7	2644.1	2659.4	2667.1	2690.4	2737.1	2772.2	2776.1
167.5°	2639.9	2647.2	2654.4	2656.2	2665.9	2678.8	2685.2	2700.5	2731.1	2754.1	2755.7
170°	2667.1	2674.3	2681.6	2683.5	2684.0	2684.8	2685.2	2700.5	2731.1	2754.1	2754.1
172.5°	2681.6	2683.2	2684.8	2685.2	2685.2	2685.2	2685.2	2697.3	2721.5	2739.7	2738.2
175°	2701.6	2701.6	2701.6	2701.6	2696.1	2688.9	2685.2	2692.9	2708.2	2719.7	2719.7
177.5°	2701.6	2701.6	2701.6	2701.6	2697.3	2691.7	2688.9	2694.9	2707.0	2716.0	2714.4
180°	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7
2.5°	2113.4	2107.5	2113.4	2109.4	2111.4	2105.5	2088.0	2082.2	2088.0	2093.8	2093.8
5°	2138.7	2134.8	2138.7	2138.7	2136.7	2132.9	2113.4	2109.4	2113.4	2115.3	2111.4
7.5°	2146.5	2140.6	2146.5	2142.6	2142.6	2138.7	2119.2	2115.3	2117.3	2123.1	2117.3
10°	2146.5	2140.6	2146.5	2144.6	2142.6	2138.7	2119.2	2111.4	2111.4	2117.3	2111.4
12.5°	2136.7	2132.9	2136.7	2132.9	2132.9	2129.0	2109.4	2101.7	2103.6	2105.5	2097.8
15°	2121.1	2115.3	2121.1	2117.3	2119.2	2113.4	2091.9	2084.1	2084.1	2088.0	2074.3
17.5°	2097.8	2089.9	2097.8	2095.9	2093.8	2089.9	2070.5	2062.7	2060.7	2062.7	2052.9
20°	2070.5	2064.6	2070.5	2068.5	2068.5	2060.7	2041.2	2031.5	2031.5	2031.5	2021.7
22.5°	2027.5	2021.7	2027.5	2031.5	2031.5	2029.5	2011.9	1998.4	1994.4	1994.4	1982.8
25°	1978.8	1973.0	1978.8	1978.8	1976.9	1978.8	1973.0	1965.2	1959.3	1953.5	1941.8
27.5°	1932.0	1928.1	1932.0	1928.1	1932.0	1926.2	1924.2	1922.3	1914.5	1908.6	1893.0
30°	1885.3	1881.3	1885.3	1881.3	1877.4	1873.6	1863.8	1859.9	1867.7	1863.8	1838.5
32.5°	1826.8	1822.9	1826.8	1826.8	1822.9	1822.9	1807.3	1801.4	1803.4	1815.0	1791.7
35°	1766.3	1760.5	1766.3	1764.4	1766.3	1760.5	1750.7	1748.8	1741.0	1754.7	1737.1
37.5°	1696.1	1690.3	1696.1	1696.1	1696.1	1700.0	1692.3	1686.4	1674.7	1692.3	1678.6
40°	1624.0	1616.2	1624.0	1622.0	1624.0	1627.9	1624.0	1620.1	1608.4	1622.0	1610.4
42.5°	1542.2	1540.1	1542.2	1544.1	1544.1	1551.9	1557.8	1549.9	1546.0	1536.3	1544.1
45°	1454.4	1450.5	1454.4	1458.2	1460.3	1464.2	1481.7	1481.7	1475.9	1460.3	1471.9
47.5°	1360.8	1351.1	1360.8	1372.5	1372.5	1378.4	1395.9	1409.5	1399.8	1380.3	1386.2
50°	1261.3	1263.3	1261.3	1269.2	1269.2	1290.6	1304.3	1317.9	1327.6	1304.3	1276.9
52.5°	1163.9	1161.9	1163.9	1169.8	1177.5	1187.3	1210.7	1224.3	1239.9	1226.3	1183.4
55°	1066.4	1070.4	1066.4	1068.4	1072.3	1078.1	1113.2	1126.9	1156.1	1138.6	1093.7
57.5°	968.9	963.1	968.9	972.9	974.8	980.6	1009.9	1035.2	1052.8	1054.8	1000.1
60°	855.8	848.1	855.8	873.5	877.3	881.2	908.5	931.9	947.5	953.3	896.8
62.5°	756.4	742.8	756.4	768.1	776.0	785.7	805.1	840.3	853.9	855.8	776.0
65°	651.2	645.4	651.2	674.5	676.5	688.2	709.7	735.0	764.3	760.4	645.4
67.5°	555.6	555.6	555.6	571.2	583.0	588.8	616.1	627.8	664.8	668.7	538.1
70°	467.9	466.0	467.9	479.6	487.4	501.1	526.4	540.0	569.3	579.1	436.7
72.5°	384.1	382.1	384.1	393.8	401.7	413.3	434.8	450.4	475.7	487.4	339.2
75°	310.0	306.1	310.0	317.7	315.8	331.4	348.9	364.5	388.0	395.7	251.5
77.5°	237.9	237.9	237.9	245.6	245.6	261.2	269.1	288.6	302.2	313.9	185.2
80°	177.4	175.5	177.4	179.4	179.4	187.1	200.8	214.4	226.2	226.2	126.7
82.5°	124.8	120.8	124.8	124.8	124.8	128.7	136.4	140.4	148.2	154.0	79.9
85°	78.0	78.0	78.0	79.9	78.0	81.9	83.8	87.7	87.7	83.8	48.7
87.5°	50.7	48.7	50.7	48.7	48.7	46.8	46.8	46.8	44.9	42.9	27.3
90°	68.9	68.9	68.9	68.9	68.9	91.9	122.5	137.8	118.4	79.7	50.8
92.5°	276.0	221.2	276.0	330.8	344.5	488.3	680.0	776.0	681.3	492.0	349.9
95°	961.9	795.9	961.9	1128.0	1169.5	1535.8	2024.0	2268.2	1915.7	1210.6	681.7
97.5°	2304.9	1989.0	2304.9	2620.8	2699.7	2931.2	3239.9	3394.1	2806.3	1630.6	748.8
100°	3320.9	2944.5	3320.9	3697.1	3791.2	3774.3	3751.7	3740.4	3088.1	1783.5	805.0
102.5°	4320.3	3997.9	4320.3	4642.6	4723.2	4428.2	4035.0	3838.4	3176.8	1853.6	861.2
105°	5594.5	5421.3	5594.5	5767.7	5811.0	5149.8	4268.3	3827.5	3186.8	1905.6	944.7
107.5°	6429.1	6471.0	6429.1	6387.2	6376.7	5454.4	4224.7	3609.9	3045.0	1915.2	1067.9
110°	6747.4	6928.0	6747.4	6566.9	6521.8	5490.7	4116.0	3428.6	2919.3	1900.8	1136.8



TEST NUMBER: P935879

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6775.8	7053.1	6775.8	6498.6	6429.3	5374.1	3967.1	3263.6	2809.5	1901.4	1220.3
115°	6596.1	6980.5	6596.1	6211.8	6115.6	5099.1	3743.7	3066.0	2683.6	1918.9	1345.4
117.5°	6215.2	6641.4	6215.2	5788.9	5682.3	4764.9	3541.6	2930.0	2604.8	1954.5	1466.8
120°	5908.1	6322.3	5908.1	5493.9	5390.4	4552.1	3434.4	2875.6	2578.2	1983.5	1537.5
122.5°	5609.3	6017.8	5609.3	5200.6	5098.5	4343.6	3337.1	2833.9	2564.4	2025.3	1620.9
125°	5182.7	5559.1	5182.7	4806.3	4712.2	4071.1	3216.1	2788.6	2552.9	2081.5	1727.9
127.5°	4799.2	5116.6	4799.2	4481.6	4402.3	3851.7	3117.6	2750.5	2546.2	2137.6	1831.2
130°	4573.1	4866.4	4573.1	4279.8	4206.4	3716.3	3062.7	2736.0	2550.2	2178.7	1900.1
132.5°	4368.0	4630.7	4368.0	4105.4	4039.7	3600.9	3015.8	2723.3	2552.8	2211.9	1956.3
135°	4087.0	4313.4	4087.0	3860.5	3803.9	3436.5	2946.5	2701.6	2550.5	2248.3	2021.6
137.5°	3861.6	4046.8	3861.6	3676.2	3629.9	3319.2	2905.0	2697.9	2566.1	2302.6	2105.1
140°	3706.8	3880.1	3706.8	3533.6	3490.2	3221.9	2864.1	2685.2	2568.7	2335.9	2161.3
142.5°	3578.7	3727.7	3578.7	3429.7	3392.4	3156.6	2842.4	2685.2	2578.0	2363.7	2202.9
145°	3386.6	3499.3	3386.6	3273.7	3245.5	3052.6	2795.6	2667.1	2578.0	2399.9	2266.4
147.5°	3239.1	3332.5	3239.1	3145.6	3122.2	2970.5	2768.2	2667.1	2595.8	2453.1	2346.1
150°	3146.1	3221.9	3146.1	3070.4	3051.5	2923.4	2752.5	2667.1	2605.1	2480.9	2387.9
152.5°	3066.8	3124.0	3066.8	3009.6	2995.3	2885.9	2740.0	2667.1	2611.1	2499.1	2415.0
155°	2975.5	3013.4	2975.5	2937.7	2928.2	2841.2	2725.1	2667.1	2624.3	2539.0	2474.9
157.5°	2903.4	2930.0	2903.4	2876.9	2870.2	2802.4	2712.2	2667.1	2637.6	2578.8	2534.7
160°	2860.3	2875.6	2860.3	2845.0	2841.1	2783.1	2705.7	2667.1	2643.7	2597.0	2561.9
162.5°	2832.1	2846.6	2832.1	2817.6	2814.0	2765.0	2699.7	2667.1	2650.1	2616.3	2590.9
165°	2791.4	2806.7	2791.4	2776.1	2772.2	2737.1	2690.4	2667.1	2659.4	2644.1	2632.7
167.5°	2762.1	2768.6	2762.1	2755.7	2754.1	2731.1	2700.5	2685.2	2678.8	2665.9	2656.2
170°	2754.1	2754.1	2754.1	2754.1	2754.1	2731.1	2700.5	2685.2	2684.8	2684.0	2683.5
172.5°	2732.6	2727.0	2732.6	2738.2	2739.7	2721.5	2697.3	2685.2	2685.2	2685.2	2685.2
175°	2719.7	2719.7	2719.7	2719.7	2719.7	2708.2	2692.9	2685.2	2688.9	2696.1	2701.6
177.5°	2708.0	2701.6	2708.0	2714.4	2716.0	2707.0	2694.9	2688.9	2691.7	2697.3	2701.6
180°	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6



TEST NUMBER: P935879

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7
2.5°	2089.9	2078.2	2078.2	2058.7	2051.0	2045.1	2035.4	2006.1	1998.4	1990.5	2002.2
5°	2107.5	2086.1	2070.5	2035.4	2006.1	1994.4	1957.4	1887.2	1840.4	1805.3	1785.9
7.5°	2111.4	2084.1	2054.9	2000.3	1930.1	1898.9	1785.9	1657.2	1622.0	1590.9	1571.3
10°	2107.5	2076.3	2035.4	1953.5	1787.8	1733.2	1620.1	1536.3	1514.8	1509.0	1514.8
12.5°	2093.8	2064.6	2008.1	1871.6	1639.6	1602.5	1536.3	1487.5	1483.6	1493.4	1546.0
15°	2070.5	2043.1	1976.9	1762.4	1557.8	1530.4	1483.6	1466.1	1487.5	1555.7	1713.7
17.5°	2047.1	2015.9	1934.0	1655.2	1495.4	1475.9	1442.6	1477.8	1598.7	1690.3	1742.9
20°	2015.9	1978.8	1885.3	1577.2	1450.5	1433.0	1417.4	1575.3	1666.9	1700.0	1729.3
22.5°	1978.8	1939.8	1819.0	1522.6	1403.7	1390.0	1399.8	1629.9	1666.9	1690.3	1715.6
25°	1930.1	1896.9	1741.0	1479.8	1366.7	1351.1	1388.1	1624.0	1645.5	1651.3	1702.0
27.5°	1885.3	1842.4	1659.1	1440.7	1321.8	1316.0	1397.9	1598.7	1614.3	1620.1	1674.7
30°	1830.6	1766.3	1567.5	1399.8	1275.0	1273.1	1399.8	1567.5	1563.6	1579.2	1633.7
32.5°	1774.1	1653.2	1464.2	1349.1	1230.1	1228.2	1386.2	1520.7	1516.8	1538.2	1579.2
35°	1721.5	1565.5	1323.8	1290.6	1173.7	1175.6	1353.0	1466.1	1468.0	1487.5	1512.9
37.5°	1666.9	1489.4	1169.8	1226.3	1119.1	1119.1	1308.1	1415.4	1411.5	1417.4	1452.4
40°	1602.5	1370.6	1033.2	1142.5	1068.4	1062.5	1253.6	1360.8	1347.2	1345.3	1393.9
42.5°	1534.3	1239.9	931.9	1031.3	1009.9	1002.0	1187.3	1294.5	1269.2	1275.0	1337.4
45°	1460.3	1204.9	853.9	871.4	949.4	943.6	1115.1	1218.5	1201.0	1216.6	1280.9
47.5°	1386.2	1134.7	828.6	723.3	885.1	883.1	1035.2	1144.4	1134.7	1150.3	1218.5
50°	1284.8	1056.7	826.7	620.0	813.0	820.7	939.7	1072.3	1072.3	1086.0	1158.1
52.5°	1154.2	961.2	750.6	561.4	729.2	752.5	855.8	1009.9	1013.8	1027.4	1091.8
55°	1035.2	861.7	696.0	516.7	629.8	680.4	773.9	945.6	953.3	967.0	1025.5
57.5°	926.1	717.4	684.3	464.0	538.1	586.8	701.8	883.1	887.0	898.7	955.3
60°	809.1	518.6	627.8	407.5	458.1	495.2	635.6	809.1	822.7	830.5	879.3
62.5°	676.5	376.3	569.3	368.5	419.2	426.9	581.0	738.9	756.4	762.3	791.6
65°	481.6	315.8	483.5	335.4	378.2	380.1	522.5	666.8	682.4	692.1	713.6
67.5°	325.6	257.4	368.5	304.2	347.0	348.9	466.0	583.0	604.4	612.2	625.8
70°	226.2	171.6	273.0	271.0	311.9	315.8	405.5	506.9	526.4	532.3	540.0
72.5°	165.7	138.4	226.2	243.7	274.9	278.8	343.1	421.1	440.6	446.4	450.4
75°	126.7	146.2	183.2	212.5	233.9	235.9	280.7	343.1	356.8	360.7	362.6
77.5°	101.4	136.4	134.5	171.6	191.1	187.1	220.4	265.1	276.8	276.8	276.8
80°	76.1	107.3	101.4	122.9	140.4	136.4	157.9	189.1	193.0	196.9	195.0
82.5°	56.5	68.2	68.2	78.0	93.6	89.7	105.2	122.9	122.9	122.9	126.7
85°	35.1	39.0	31.2	41.0	52.6	50.7	58.5	66.3	68.2	68.2	64.3
87.5°	21.4	17.5	9.8	15.6	23.4	23.4	27.3	29.3	27.3	27.3	27.3
90°	47.2	32.7	18.1	32.7	47.2	50.8	79.7	118.4	137.8	122.5	91.9
92.5°	319.1	195.7	72.5	195.7	319.1	349.9	492.0	681.3	776.0	680.0	488.3
95°	625.3	399.6	174.0	399.6	625.3	681.7	1210.6	1915.7	2268.2	2024.0	1535.8
97.5°	699.0	500.0	301.0	500.0	699.0	748.8	1630.6	2806.3	3394.1	3239.9	2931.2
100°	759.9	579.4	398.8	579.4	759.9	805.0	1783.5	3088.1	3740.4	3751.7	3774.3
102.5°	819.1	650.7	482.3	650.7	819.1	861.2	1853.6	3176.8	3838.4	4035.0	4428.2
105°	909.0	766.4	623.7	766.4	909.0	944.7	1905.6	3186.8	3827.5	4268.3	5149.8
107.5°	1034.7	901.8	768.8	901.8	1034.7	1067.9	1915.2	3045.0	3609.9	4224.7	5454.4
110°	1106.8	986.7	866.7	986.7	1106.8	1136.8	1900.8	2919.3	3428.6	4116.0	5490.7



TEST NUMBER: P935879

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1191.7	1077.2	962.8	1077.2	1191.7	1220.3	1901.4	2809.5	3263.6	3967.1	5374.1
115°	1319.0	1213.4	1107.9	1213.4	1319.0	1345.4	1918.9	2683.6	3066.0	3743.7	5099.1
117.5°	1442.8	1346.9	1251.1	1346.9	1442.8	1466.8	1954.5	2604.8	2930.0	3541.6	4764.9
120°	1514.9	1424.7	1334.4	1424.7	1514.9	1537.5	1983.5	2578.2	2875.6	3434.4	4552.1
122.5°	1598.2	1507.1	1416.0	1507.1	1598.2	1620.9	2025.3	2564.4	2833.9	3337.1	4343.6
125°	1707.2	1624.1	1541.2	1624.1	1707.2	1727.9	2081.5	2552.9	2788.6	3216.1	4071.1
127.5°	1810.3	1726.5	1642.6	1726.5	1810.3	1831.2	2137.6	2546.2	2750.5	3117.6	3851.7
130°	1877.5	1787.3	1697.1	1787.3	1877.5	1900.1	2178.7	2550.2	2736.0	3062.7	3716.3
132.5°	1933.7	1843.5	1753.3	1843.5	1933.7	1956.3	2211.9	2552.8	2723.3	3015.8	3600.9
135°	2001.1	1918.8	1836.6	1918.8	2001.1	2021.6	2248.3	2550.5	2701.6	2946.5	3436.5
137.5°	2084.7	2003.3	1921.9	2003.3	2084.7	2105.1	2302.6	2566.1	2697.9	2905.0	3319.2
140°	2142.6	2067.6	1992.7	2067.6	2142.6	2161.3	2335.9	2568.7	2685.2	2864.1	3221.9
142.5°	2185.6	2116.3	2047.0	2116.3	2185.6	2202.9	2363.7	2578.0	2685.2	2842.4	3156.6
145°	2251.3	2190.9	2130.4	2190.9	2251.3	2266.4	2399.9	2578.0	2667.1	2795.6	3052.6
147.5°	2331.4	2272.6	2213.8	2272.6	2331.4	2346.1	2453.1	2595.8	2667.1	2768.2	2970.5
150°	2374.6	2321.4	2268.2	2321.4	2374.6	2387.9	2480.9	2605.1	2667.1	2752.5	2923.4
152.5°	2405.0	2364.7	2324.4	2364.7	2405.0	2415.0	2499.1	2611.1	2667.1	2740.0	2885.9
155°	2467.5	2437.7	2407.9	2437.7	2467.5	2474.9	2539.0	2624.3	2667.1	2725.1	2841.2
157.5°	2527.4	2498.5	2469.5	2498.5	2527.4	2534.7	2578.8	2637.6	2667.1	2712.2	2802.4
160°	2556.3	2533.7	2511.2	2533.7	2556.3	2561.9	2597.0	2643.7	2667.1	2705.7	2783.1
162.5°	2586.6	2569.8	2552.8	2569.8	2586.6	2590.9	2616.3	2650.1	2667.1	2699.7	2765.0
165°	2628.8	2613.5	2598.2	2613.5	2628.8	2632.7	2644.1	2659.4	2667.1	2690.4	2737.1
167.5°	2654.4	2647.2	2639.9	2647.2	2654.4	2656.2	2665.9	2678.8	2685.2	2700.5	2731.1
170°	2681.6	2674.3	2667.1	2674.3	2681.6	2683.5	2684.0	2684.8	2685.2	2700.5	2731.1
172.5°	2684.8	2683.2	2681.6	2683.2	2684.8	2685.2	2685.2	2685.2	2685.2	2697.3	2721.5
175°	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2696.1	2688.9	2685.2	2692.9	2708.2
177.5°	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2697.3	2691.7	2688.9	2694.9	2707.0
180°	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6



TEST NUMBER: P935879

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7
2.5°	1988.6	1982.8	1990.5	1969.1	1990.5	1982.8	1988.6	2002.2	1990.5	1998.4	2006.1
5°	1744.9	1735.1	1704.0	1678.6	1704.0	1735.1	1744.9	1785.9	1805.3	1840.4	1887.2
7.5°	1559.7	1551.9	1544.1	1528.5	1544.1	1551.9	1559.7	1571.3	1590.9	1622.0	1657.2
10°	1518.7	1520.7	1532.4	1530.4	1532.4	1520.7	1518.7	1514.8	1509.0	1514.8	1536.3
12.5°	1624.0	1641.6	1705.9	1702.0	1705.9	1641.6	1624.0	1546.0	1493.4	1483.6	1487.5
15°	1744.9	1750.7	1764.4	1766.3	1764.4	1750.7	1744.9	1713.7	1555.7	1487.5	1466.1
17.5°	1756.6	1758.5	1768.2	1768.2	1768.2	1758.5	1756.6	1742.9	1690.3	1598.7	1477.8
20°	1746.8	1750.7	1770.3	1774.1	1770.3	1750.7	1746.8	1729.3	1700.0	1666.9	1575.3
22.5°	1742.9	1750.7	1766.3	1764.4	1766.3	1750.7	1742.9	1715.6	1690.3	1666.9	1629.9
25°	1723.5	1723.5	1725.4	1727.3	1725.4	1723.5	1723.5	1702.0	1651.3	1645.5	1624.0
27.5°	1682.5	1686.4	1698.1	1696.1	1698.1	1686.4	1682.5	1674.7	1620.1	1614.3	1598.7
30°	1645.5	1641.6	1631.8	1624.0	1631.8	1641.6	1645.5	1633.7	1579.2	1563.6	1567.5
32.5°	1583.1	1573.3	1563.6	1557.8	1563.6	1573.3	1583.1	1579.2	1538.2	1516.8	1520.7
35°	1509.0	1511.0	1509.0	1503.1	1509.0	1511.0	1509.0	1512.9	1487.5	1468.0	1466.1
37.5°	1456.3	1460.3	1458.2	1450.5	1458.2	1460.3	1456.3	1452.4	1417.4	1411.5	1415.4
40°	1401.8	1403.7	1401.8	1395.9	1401.8	1403.7	1401.8	1393.9	1345.3	1347.2	1360.8
42.5°	1349.1	1347.2	1341.3	1337.4	1341.3	1347.2	1349.1	1337.4	1275.0	1269.2	1294.5
45°	1288.7	1290.6	1278.9	1273.1	1278.9	1290.6	1288.7	1280.9	1216.6	1201.0	1218.5
47.5°	1228.2	1228.2	1218.5	1212.6	1218.5	1228.2	1228.2	1218.5	1150.3	1134.7	1144.4
50°	1163.9	1161.9	1148.3	1146.3	1148.3	1161.9	1163.9	1158.1	1086.0	1072.3	1072.3
52.5°	1089.8	1089.8	1091.8	1095.6	1091.8	1089.8	1089.8	1091.8	1027.4	1013.8	1009.9
55°	1025.5	1027.4	1041.1	1045.0	1041.1	1027.4	1025.5	1025.5	967.0	953.3	945.6
57.5°	959.2	959.2	968.9	968.9	968.9	959.2	959.2	955.3	898.7	887.0	883.1
60°	883.1	887.0	894.9	892.9	894.9	887.0	883.1	879.3	830.5	822.7	809.1
62.5°	803.2	807.2	809.1	805.1	809.1	807.2	803.2	791.6	762.3	756.4	738.9
65°	719.4	723.3	725.2	721.3	725.2	723.3	719.4	713.6	692.1	682.4	666.8
67.5°	633.6	631.7	629.8	637.5	629.8	631.7	633.6	625.8	612.2	604.4	583.0
70°	545.8	545.8	543.9	547.9	543.9	545.8	545.8	540.0	532.3	526.4	506.9
72.5°	452.3	450.4	458.1	452.3	458.1	450.4	452.3	450.4	446.4	440.6	421.1
75°	360.7	364.5	360.7	366.5	360.7	364.5	360.7	362.6	360.7	356.8	343.1
77.5°	274.9	278.8	274.9	274.9	274.9	278.8	274.9	276.8	276.8	276.8	265.1
80°	195.0	193.0	193.0	191.1	193.0	193.0	195.0	195.0	196.9	193.0	189.1
82.5°	124.8	122.9	122.9	126.7	122.9	122.9	124.8	126.7	122.9	122.9	122.9
85°	68.2	70.2	66.3	66.3	66.3	70.2	68.2	64.3	68.2	68.2	66.3
87.5°	25.4	23.4	23.4	23.4	23.4	23.4	25.4	27.3	27.3	27.3	29.3
90°	68.9	68.9	68.9	68.9	68.9	68.9	68.9	91.9	122.5	137.8	118.4
92.5°	344.5	330.8	276.0	221.2	276.0	330.8	344.5	488.3	680.0	776.0	681.3
95°	1169.5	1128.0	961.9	795.9	961.9	1128.0	1169.5	1535.8	2024.0	2268.2	1915.7
97.5°	2699.7	2620.8	2304.9	1989.0	2304.9	2620.8	2699.7	2931.2	3239.9	3394.1	2806.3
100°	3791.2	3697.1	3320.9	2944.5	3320.9	3697.1	3791.2	3774.3	3751.7	3740.4	3088.1
102.5°	4723.2	4642.6	4320.3	3997.9	4320.3	4642.6	4723.2	4428.2	4035.0	3838.4	3176.8
105°	5811.0	5767.7	5594.5	5421.3	5594.5	5767.7	5811.0	5149.8	4268.3	3827.5	3186.8
107.5°	6376.7	6387.2	6429.1	6471.0	6429.1	6387.2	6376.7	5454.4	4224.7	3609.9	3045.0
110°	6521.8	6566.9	6747.4	6928.0	6747.4	6566.9	6521.8	5490.7	4116.0	3428.6	2919.3



TEST NUMBER: P935879

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	6429.3	6498.6	6775.8	7053.1	6775.8	6498.6	6429.3	5374.1	3967.1	3263.6	2809.5
115°	6115.6	6211.8	6596.1	6980.5	6596.1	6211.8	6115.6	5099.1	3743.7	3066.0	2683.6
117.5°	5682.3	5788.9	6215.2	6641.4	6215.2	5788.9	5682.3	4764.9	3541.6	2930.0	2604.8
120°	5390.4	5493.9	5908.1	6322.3	5908.1	5493.9	5390.4	4552.1	3434.4	2875.6	2578.2
122.5°	5098.5	5200.6	5609.3	6017.8	5609.3	5200.6	5098.5	4343.6	3337.1	2833.9	2564.4
125°	4712.2	4806.3	5182.7	5559.1	5182.7	4806.3	4712.2	4071.1	3216.1	2788.6	2552.9
127.5°	4402.3	4481.6	4799.2	5116.6	4799.2	4481.6	4402.3	3851.7	3117.6	2750.5	2546.2
130°	4206.4	4279.8	4573.1	4866.4	4573.1	4279.8	4206.4	3716.3	3062.7	2736.0	2550.2
132.5°	4039.7	4105.4	4368.0	4630.7	4368.0	4105.4	4039.7	3600.9	3015.8	2723.3	2552.8
135°	3803.9	3860.5	4087.0	4313.4	4087.0	3860.5	3803.9	3436.5	2946.5	2701.6	2550.5
137.5°	3629.9	3676.2	3861.6	4046.8	3861.6	3676.2	3629.9	3319.2	2905.0	2697.9	2566.1
140°	3490.2	3533.6	3706.8	3880.1	3706.8	3533.6	3490.2	3221.9	2864.1	2685.2	2568.7
142.5°	3392.4	3429.7	3578.7	3727.7	3578.7	3429.7	3392.4	3156.6	2842.4	2685.2	2578.0
145°	3245.5	3273.7	3386.6	3499.3	3386.6	3273.7	3245.5	3052.6	2795.6	2667.1	2578.0
147.5°	3122.2	3145.6	3239.1	3332.5	3239.1	3145.6	3122.2	2970.5	2768.2	2667.1	2595.8
150°	3051.5	3070.4	3146.1	3221.9	3146.1	3070.4	3051.5	2923.4	2752.5	2667.1	2605.1
152.5°	2995.3	3009.6	3066.8	3124.0	3066.8	3009.6	2995.3	2885.9	2740.0	2667.1	2611.1
155°	2928.2	2937.7	2975.5	3013.4	2975.5	2937.7	2928.2	2841.2	2725.1	2667.1	2624.3
157.5°	2870.2	2876.9	2903.4	2930.0	2903.4	2876.9	2870.2	2802.4	2712.2	2667.1	2637.6
160°	2841.1	2845.0	2860.3	2875.6	2860.3	2845.0	2841.1	2783.1	2705.7	2667.1	2643.7
162.5°	2814.0	2817.6	2832.1	2846.6	2832.1	2817.6	2814.0	2765.0	2699.7	2667.1	2650.1
165°	2772.2	2776.1	2791.4	2806.7	2791.4	2776.1	2772.2	2737.1	2690.4	2667.1	2659.4
167.5°	2754.1	2755.7	2762.1	2768.6	2762.1	2755.7	2754.1	2731.1	2700.5	2685.2	2678.8
170°	2754.1	2754.1	2754.1	2754.1	2754.1	2754.1	2754.1	2731.1	2700.5	2685.2	2684.8
172.5°	2739.7	2738.2	2732.6	2727.0	2732.6	2738.2	2739.7	2721.5	2697.3	2685.2	2685.2
175°	2719.7	2719.7	2719.7	2719.7	2719.7	2719.7	2719.7	2708.2	2692.9	2685.2	2688.9
177.5°	2716.0	2714.4	2708.0	2701.6	2708.0	2714.4	2716.0	2707.0	2694.9	2688.9	2691.7
180°	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6



TEST NUMBER: P935879

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2060.7	2060.7	2060.7	2060.7	2060.7
2.5°	2035.4	2045.1	2051.0	2058.7	2078.2
5°	1957.4	1994.4	2006.1	2035.4	2070.5
7.5°	1785.9	1898.9	1930.1	2000.3	2054.9
10°	1620.1	1733.2	1787.8	1953.5	2035.4
12.5°	1536.3	1602.5	1639.6	1871.6	2008.1
15°	1483.6	1530.4	1557.8	1762.4	1976.9
17.5°	1442.6	1475.9	1495.4	1655.2	1934.0
20°	1417.4	1433.0	1450.5	1577.2	1885.3
22.5°	1399.8	1390.0	1403.7	1522.6	1819.0
25°	1388.1	1351.1	1366.7	1479.8	1741.0
27.5°	1397.9	1316.0	1321.8	1440.7	1659.1
30°	1399.8	1273.1	1275.0	1399.8	1567.5
32.5°	1386.2	1228.2	1230.1	1349.1	1464.2
35°	1353.0	1175.6	1173.7	1290.6	1323.8
37.5°	1308.1	1119.1	1119.1	1226.3	1169.8
40°	1253.6	1062.5	1068.4	1142.5	1033.2
42.5°	1187.3	1002.0	1009.9	1031.3	931.9
45°	1115.1	943.6	949.4	871.4	853.9
47.5°	1035.2	883.1	885.1	723.3	828.6
50°	939.7	820.7	813.0	620.0	826.7
52.5°	855.8	752.5	729.2	561.4	750.6
55°	773.9	680.4	629.8	516.7	696.0
57.5°	701.8	586.8	538.1	464.0	684.3
60°	635.6	495.2	458.1	407.5	627.8
62.5°	581.0	426.9	419.2	368.5	569.3
65°	522.5	380.1	378.2	335.4	483.5
67.5°	466.0	348.9	347.0	304.2	368.5
70°	405.5	315.8	311.9	271.0	273.0
72.5°	343.1	278.8	274.9	243.7	226.2
75°	280.7	235.9	233.9	212.5	183.2
77.5°	220.4	187.1	191.1	171.6	134.5
80°	157.9	136.4	140.4	122.9	101.4
82.5°	105.2	89.7	93.6	78.0	68.2
85°	58.5	50.7	52.6	41.0	31.2
87.5°	27.3	23.4	23.4	15.6	9.8
90°	79.7	50.8	47.2	32.7	18.1
92.5°	492.0	349.9	319.1	195.7	72.5
95°	1210.6	681.7	625.3	399.6	174.0
97.5°	1630.6	748.8	699.0	500.0	301.0
100°	1783.5	805.0	759.9	579.4	398.8
102.5°	1853.6	861.2	819.1	650.7	482.3
105°	1905.6	944.7	909.0	766.4	623.7
107.5°	1915.2	1067.9	1034.7	901.8	768.8
110°	1900.8	1136.8	1106.8	986.7	866.7



TEST NUMBER: P935879

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1901.4	1220.3	1191.7	1077.2	962.8
115°	1918.9	1345.4	1319.0	1213.4	1107.9
117.5°	1954.5	1466.8	1442.8	1346.9	1251.1
120°	1983.5	1537.5	1514.9	1424.7	1334.4
122.5°	2025.3	1620.9	1598.2	1507.1	1416.0
125°	2081.5	1727.9	1707.2	1624.1	1541.2
127.5°	2137.6	1831.2	1810.3	1726.5	1642.6
130°	2178.7	1900.1	1877.5	1787.3	1697.1
132.5°	2211.9	1956.3	1933.7	1843.5	1753.3
135°	2248.3	2021.6	2001.1	1918.8	1836.6
137.5°	2302.6	2105.1	2084.7	2003.3	1921.9
140°	2335.9	2161.3	2142.6	2067.6	1992.7
142.5°	2363.7	2202.9	2185.6	2116.3	2047.0
145°	2399.9	2266.4	2251.3	2190.9	2130.4
147.5°	2453.1	2346.1	2331.4	2272.6	2213.8
150°	2480.9	2387.9	2374.6	2321.4	2268.2
152.5°	2499.1	2415.0	2405.0	2364.7	2324.4
155°	2539.0	2474.9	2467.5	2437.7	2407.9
157.5°	2578.8	2534.7	2527.4	2498.5	2469.5
160°	2597.0	2561.9	2556.3	2533.7	2511.2
162.5°	2616.3	2590.9	2586.6	2569.8	2552.8
165°	2644.1	2632.7	2628.8	2613.5	2598.2
167.5°	2665.9	2656.2	2654.4	2647.2	2639.9
170°	2684.0	2683.5	2681.6	2674.3	2667.1
172.5°	2685.2	2685.2	2684.8	2683.2	2681.6
175°	2696.1	2701.6	2701.6	2701.6	2701.6
177.5°	2697.3	2701.6	2701.6	2701.6	2701.6
180°	2701.6	2701.6	2701.6	2701.6	2701.6



TEST NUMBER: P935879
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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	8.04	8.70	9.19	9.85	11.45	10.89	11.55	12.05	12.70	14.30
	3H	8.50	9.09	9.66	10.25	11.87	12.23	12.82	13.39	13.97	15.59
	4H	8.68	9.25	9.85	10.40	12.02	12.66	13.23	13.84	14.38	16.01
	6H	8.79	9.31	9.97	10.46	12.10	12.94	13.46	14.12	14.62	16.25
	8H	8.78	9.28	9.97	10.45	12.08	13.02	13.51	14.20	14.68	16.31
	12H	8.75	9.22	9.93	10.38	12.03	13.05	13.52	14.24	14.68	16.33
4H	2H	9.05	9.62	10.23	10.77	12.39	11.27	11.84	12.45	12.99	14.61
	3H	10.06	10.53	11.24	11.71	13.34	12.77	13.24	13.95	14.41	16.05
	4H	10.33	10.76	11.51	11.93	13.58	13.29	13.72	14.48	14.89	16.54
	6H	10.44	10.81	11.63	12.00	13.64	13.65	14.02	14.84	15.21	16.85
	8H	10.44	10.79	11.63	11.97	13.63	13.75	14.10	14.94	15.28	16.94
	12H	10.40	10.71	11.60	11.90	13.57	13.81	14.12	15.01	15.31	16.98
8H	4H	10.77	11.11	11.96	12.29	13.95	13.40	13.74	14.59	14.92	16.59
	6H	11.02	11.31	12.23	12.53	14.19	13.83	14.12	15.04	15.34	17.00
	8H	11.06	11.31	12.27	12.51	14.19	13.99	14.23	15.20	15.43	17.11
	12H	11.04	11.25	12.25	12.45	14.16	14.08	14.30	15.30	15.49	17.20
12H	4H	10.76	11.08	11.97	12.27	13.94	13.35	13.67	14.56	14.86	16.52
	6H	11.08	11.33	12.29	12.53	14.21	13.83	14.08	15.04	15.27	16.95
	8H	11.14	11.36	12.36	12.55	14.26	13.98	14.20	15.20	15.40	17.11