

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: P936145

Luminaire Tested: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-8-3500K

Issue Date: 12/17/2024

**Test Information**

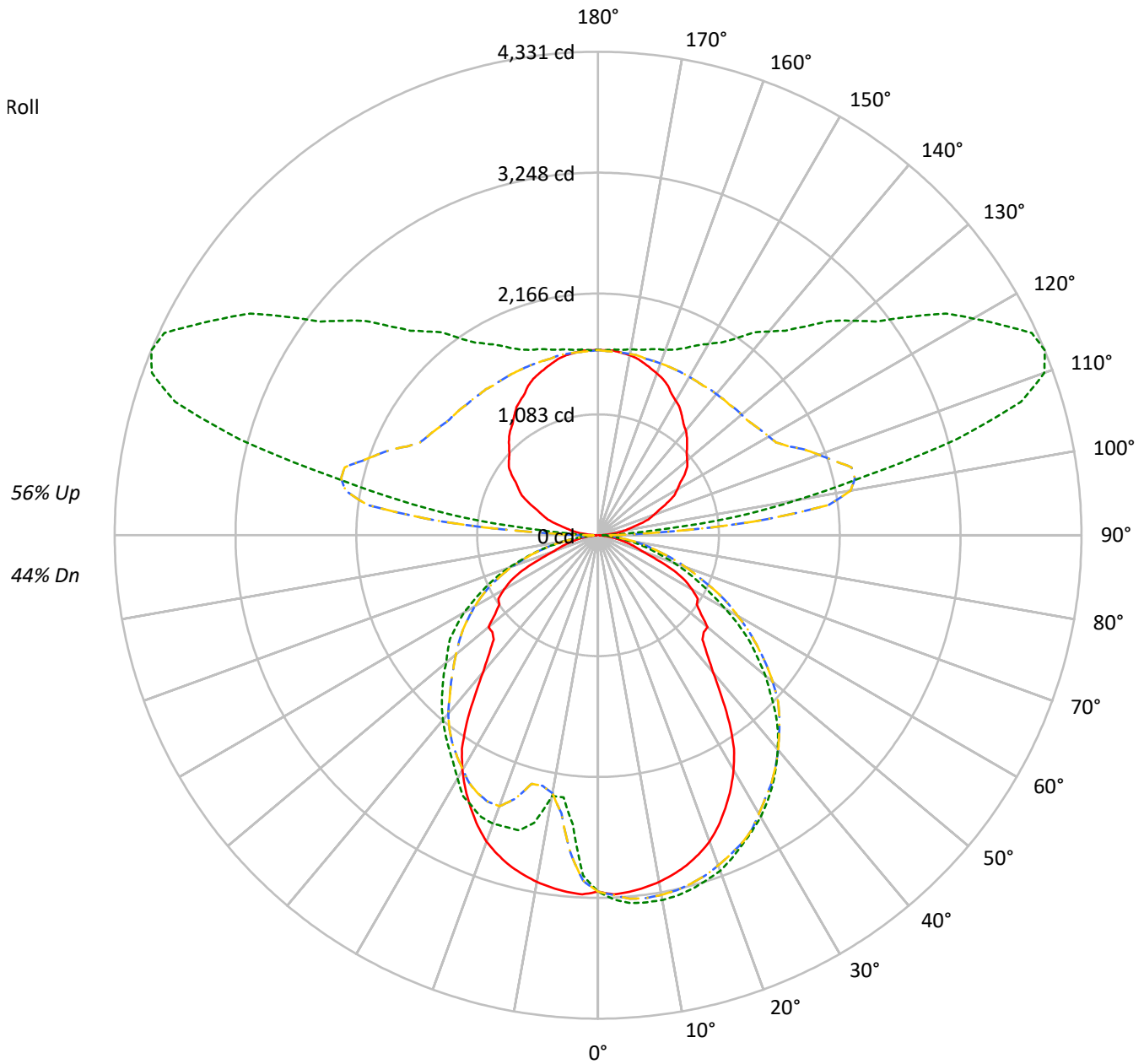
Test Method: LM-79-2019  
Report Number: P936145  
REPORT IS A COMBINATION OF REPORTS P933784 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-8-3500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19040.5 lumens  
Efficiency: N/A  
Efficacy: 114.4 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')  
CIE Type: General Diffuse  
  
Input Watts (W): 166.4  
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-150U-125D-92765-1D-UNV-STD-W-8-3500K

### 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	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	44
1	96	92	88	85	88	84	81	78	70	68	66	57	55	54	44	43	42	37
2	88	80	74	69	80	74	69	64	61	58	54	50	47	45	39	37	36	31
3	80	71	63	58	73	65	59	54	54	49	46	44	41	38	35	32	30	26
4	73	63	55	49	67	57	51	45	48	43	39	39	35	32	31	28	26	22
5	67	56	48	42	61	51	44	39	43	37	33	35	31	28	28	25	23	19
6	62	50	42	36	56	46	39	34	39	33	29	32	28	24	25	22	20	17
7	57	45	37	31	52	41	34	29	35	29	25	29	25	22	23	20	18	15
8	53	41	33	28	48	38	31	26	32	26	23	26	22	19	21	18	16	13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12
10	46	34	27	22	42	31	25	21	27	22	18	22	18	16	18	15	13	11

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	14815	14815	14815	14815
5°	14925	14955	14925	11759
10°	14825	14731	14825	10532
15°	14664	14412	14664	12035
20°	14358	14034	14358	12059
25°	13730	13482	13730	11804
30°	12919	13024	12919	11243
35°	11517	12445	11517	10626
40°	9597	11764	9597	10160
45°	8574	10966	8574	9624
50°	9109	10014	9109	9087
55°	8571	8989	8571	8776
60°	8835	7634	8835	8038
65°	8010	6311	8010	7054
70°	5546	5029	5546	5913
75°	4862	3717	4862	4452
80°	3920	2458	3920	2677
85°	2250	1302	2250	1106

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 13142 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	288.2	1.5
10°-20°	818.4	4.3
20°-30°	1265.0	6.6
30°-40°	1510.2	7.9
40°-50°	1519.0	8.0
50°-60°	1321.8	6.9
60°-70°	937.1	4.9
70°-80°	495.8	2.6
80°-90°	129.8	0.7
90°-100°	808.7	4.2
100°-110°	2126.2	11.2
110°-120°	2204.6	11.6
120°-130°	1768.3	9.3
130°-140°	1387.5	7.3
140°-150°	1065.0	5.6
150°-160°	767.0	4.0
160°-170°	469.3	2.5
170°-180°	158.5	0.8
0°-30°	2371.6	12.5
0°-40°	3881.8	20.4
0°-60°	6722.6	35.3
0°-90°	8285.4	43.5
90°-120°	5139.5	27.0
90°-150°	9360.3	49.2
90°-180°	10755.0	56.5
0°-180°	19040.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3193	3193	3193	3193	3193	
5°	3208	3308	3208	2601	3208	304
15°	3063	3278	3063	2737	3063	862
25°	2698	3057	2698	2676	2698	1239
35°	2051	2728	2051	2329	2051	1269
45°	1323	2248	1323	1973	1323	1060
55°	1078	1658	1078	1619	1078	991
65°	749	1000	749	1118	749	716
75°	284	474	284	568	284	299
85°	48	121	48	103	48	65
90°	11	42	11	42	11	11
95°	107	489	107	489	107	119
105°	383	3329	383	3329	383	406
115°	680	4287	680	4287	680	672
125°	946	3414	946	3414	946	840
135°	1128	2649	1128	2649	1128	873
145°	1308	2149	1308	2149	1308	820
155°	1479	1851	1479	1851	1479	679
165°	1596	1724	1596	1724	1596	450
175°	1659	1670	1659	1670	1659	157
180°	1659	1659	1659	1659	1659	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1
2.5°	3220.2	3220.2	3238.3	3244.4	3244.4	3235.4	3226.3	3235.4	3262.5	3271.6	3268.6
5°	3208.2	3232.4	3265.6	3271.6	3277.6	3274.7	3268.6	3274.7	3304.8	3310.9	3313.9
7.5°	3184.0	3229.3	3271.6	3280.6	3289.8	3280.6	3277.6	3283.7	3313.9	3319.9	3319.9
10°	3153.8	3217.3	3265.6	3271.6	3280.6	3271.6	3271.6	3283.7	3313.9	3319.9	3323.0
12.5°	3111.5	3199.1	3244.4	3250.5	3262.5	3259.5	3256.5	3268.6	3298.8	3304.8	3304.8
15°	3063.2	3165.9	3208.2	3214.2	3235.4	3229.3	3229.3	3241.4	3274.7	3283.7	3280.6
17.5°	2996.7	3123.5	3171.9	3180.9	3196.1	3193.1	3196.1	3208.2	3238.3	3244.4	3247.4
20°	2921.2	3066.1	3123.5	3132.6	3147.7	3147.7	3147.7	3162.8	3193.1	3205.1	3205.1
22.5°	2818.4	3005.8	3066.1	3072.2	3090.3	3090.3	3096.4	3117.6	3144.7	3147.7	3147.7
25°	2697.7	2939.3	2990.6	3008.8	3026.9	3036.0	3045.1	3057.1	3066.1	3063.2	3066.1
27.5°	2570.7	2854.7	2921.2	2933.2	2957.4	2966.5	2978.6	2981.6	2984.7	2993.7	2987.6
30°	2428.8	2737.0	2836.6	2848.7	2888.0	2894.0	2881.9	2888.0	2903.1	2909.1	2915.1
32.5°	2268.7	2561.7	2749.0	2776.2	2812.5	2794.3	2791.3	2800.3	2824.5	2824.5	2830.6
35°	2051.2	2425.8	2667.4	2691.6	2718.7	2697.7	2709.7	2712.8	2727.8	2737.0	2733.9
37.5°	1812.6	2308.0	2582.9	2601.0	2622.2	2594.9	2613.1	2622.2	2634.2	2628.1	2628.1
40°	1601.1	2123.6	2483.2	2495.2	2513.4	2492.2	2510.3	2516.4	2522.5	2516.4	2513.4
42.5°	1444.0	1921.3	2377.4	2392.5	2380.4	2395.5	2401.6	2413.6	2404.6	2392.5	2392.5
45°	1323.1	1866.9	2262.6	2280.7	2262.6	2286.8	2295.9	2295.9	2268.7	2262.6	2259.6
47.5°	1283.9	1758.1	2147.8	2147.8	2138.8	2169.0	2184.1	2162.9	2135.8	2126.7	2126.7
50°	1280.8	1637.3	1990.7	1978.7	2021.0	2057.2	2042.1	2021.0	1999.8	1966.6	1966.6
52.5°	1163.0	1489.2	1788.4	1833.7	1900.1	1921.3	1897.1	1875.9	1839.7	1824.6	1812.6
55°	1078.5	1335.3	1604.1	1694.7	1764.2	1791.4	1746.1	1724.9	1670.5	1661.5	1655.5
57.5°	1060.3	1111.7	1434.9	1549.7	1634.3	1631.3	1604.1	1564.9	1519.5	1510.4	1507.5
60°	972.7	803.5	1253.7	1389.6	1477.2	1468.2	1444.0	1407.8	1365.4	1359.4	1353.4
62.5°	882.1	583.1	1048.2	1202.3	1326.2	1323.1	1302.0	1247.6	1217.4	1202.3	1190.2
65°	749.2	489.4	746.1	999.9	1178.2	1184.1	1138.9	1099.6	1066.3	1048.2	1045.3
67.5°	570.9	398.7	504.5	833.8	1036.2	1030.1	972.7	954.6	912.3	903.2	885.1
70°	422.9	265.8	350.4	676.7	897.2	882.1	836.7	815.7	776.4	755.2	743.1
72.5°	350.4	214.5	256.8	525.7	755.2	737.1	697.9	673.7	640.5	622.3	610.2
75°	283.9	226.5	196.4	389.7	613.2	601.2	564.9	540.7	513.5	489.4	492.4
77.5°	208.4	211.5	157.1	287.0	486.4	468.3	447.1	416.9	404.8	380.6	380.6
80°	157.1	166.1	117.8	196.4	350.4	350.4	332.3	311.2	290.0	278.0	278.0
82.5°	105.7	105.7	87.6	123.9	238.7	229.6	217.5	211.5	199.4	193.3	193.3
85°	48.3	60.4	54.4	75.5	129.9	135.9	135.9	129.9	126.8	120.9	123.9
87.5°	15.1	27.2	33.2	42.3	66.5	69.4	72.5	72.5	72.5	75.5	75.5
90°	11.2	20.1	28.9	31.2	49.0	72.7	84.6	75.2	56.4	42.3	42.3
92.5°	44.5	120.2	196.0	214.9	302.2	418.5	476.6	417.7	299.9	211.6	203.2
95°	106.9	245.5	384.0	418.6	743.4	1176.4	1392.9	1243.0	943.1	718.2	692.7
97.5°	184.9	307.1	429.4	459.9	1001.4	1723.5	2084.4	1989.6	1800.1	1658.0	1609.5
100°	244.9	355.8	466.7	494.4	1095.3	1896.5	2297.1	2304.0	2317.9	2328.2	2270.5
102.5°	296.2	399.6	503.0	528.9	1138.4	1950.9	2357.2	2478.0	2719.5	2900.6	2851.1
105°	383.0	470.6	558.2	580.1	1170.2	1957.1	2350.5	2621.3	3162.6	3568.7	3542.1
107.5°	472.1	553.8	635.4	655.8	1176.2	1870.0	2216.9	2594.5	3349.7	3916.1	3922.5
110°	532.3	606.0	679.7	698.1	1167.3	1792.8	2105.6	2527.7	3372.0	4005.2	4032.9



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	591.3	661.5	731.8	749.4	1167.6	1725.3	2004.2	2436.2	3300.3	3948.3	3990.9
115°	680.4	745.2	810.0	826.2	1178.4	1648.0	1882.9	2299.0	3131.4	3755.7	3814.7
117.5°	768.3	827.2	886.1	900.8	1200.3	1599.7	1799.3	2175.0	2926.2	3489.6	3555.0
120°	819.5	874.9	930.4	944.2	1218.2	1583.3	1766.0	2109.2	2795.6	3310.4	3373.9
122.5°	869.6	925.6	981.4	995.4	1243.8	1574.8	1740.3	2049.4	2667.5	3131.0	3193.8
125°	946.4	997.4	1048.4	1061.1	1278.2	1567.7	1712.5	1975.0	2500.1	2893.9	2951.6
127.5°	1008.8	1060.3	1111.8	1124.6	1312.8	1563.7	1689.1	1914.5	2365.4	2703.5	2752.2
130°	1042.2	1097.7	1153.1	1166.9	1338.0	1566.1	1680.2	1880.8	2282.3	2583.2	2628.3
132.5°	1076.8	1132.2	1187.6	1201.5	1358.5	1567.8	1672.4	1852.0	2211.3	2480.8	2521.1
135°	1127.9	1178.4	1229.0	1241.5	1380.7	1566.3	1659.0	1809.5	2110.4	2336.1	2370.8
137.5°	1180.3	1230.3	1280.2	1292.7	1414.1	1575.9	1656.9	1784.1	2038.4	2229.1	2257.6
140°	1223.7	1269.8	1315.7	1327.2	1434.5	1577.5	1649.0	1758.9	1978.7	2143.4	2170.0
142.5°	1257.1	1299.7	1342.2	1352.9	1451.6	1583.2	1649.0	1745.5	1938.5	2083.3	2106.1
145°	1308.3	1345.4	1382.6	1391.9	1473.9	1583.2	1637.9	1716.8	1874.7	1993.1	2010.4
147.5°	1359.5	1395.7	1431.9	1440.9	1506.6	1594.1	1637.9	1700.0	1824.2	1917.3	1931.7
150°	1392.9	1425.6	1458.3	1466.4	1523.5	1599.8	1637.9	1690.4	1795.2	1874.0	1885.6
152.5°	1427.5	1452.2	1477.0	1483.2	1534.8	1603.5	1637.9	1682.7	1772.2	1839.4	1848.2
155°	1478.7	1497.0	1515.3	1519.9	1559.2	1611.6	1637.9	1673.5	1744.8	1798.3	1804.1
157.5°	1516.6	1534.4	1552.2	1556.6	1583.7	1619.8	1637.9	1665.6	1721.1	1762.7	1766.8
160°	1542.2	1556.0	1569.9	1573.3	1594.8	1623.5	1637.9	1661.6	1709.2	1744.8	1747.1
162.5°	1567.8	1578.2	1588.6	1591.2	1606.7	1627.5	1637.9	1658.0	1698.0	1728.1	1730.3
165°	1595.6	1604.9	1614.4	1616.7	1623.8	1633.1	1637.9	1652.2	1681.0	1702.5	1704.8
167.5°	1621.2	1625.6	1630.1	1631.3	1637.2	1645.1	1649.0	1658.4	1677.2	1691.3	1692.3
170°	1637.9	1642.3	1646.8	1648.0	1648.3	1648.8	1649.0	1658.4	1677.2	1691.3	1691.3
172.5°	1646.8	1647.8	1648.8	1649.0	1649.0	1649.0	1649.0	1656.4	1671.3	1682.4	1681.5
175°	1659.0	1659.0	1659.0	1659.0	1655.7	1651.3	1649.0	1653.8	1663.1	1670.2	1670.2
177.5°	1659.0	1659.0	1659.0	1659.0	1656.4	1653.0	1651.3	1655.0	1662.4	1667.9	1667.0
180°	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1
2.5°	3274.7	3265.6	3274.7	3268.6	3271.6	3262.5	3235.4	3226.3	3235.4	3244.4	3244.4
5°	3313.9	3307.9	3313.9	3313.9	3310.9	3304.8	3274.7	3268.6	3274.7	3277.6	3271.6
7.5°	3326.0	3316.9	3326.0	3319.9	3319.9	3313.9	3283.7	3277.6	3280.6	3289.8	3280.6
10°	3326.0	3316.9	3326.0	3323.0	3319.9	3313.9	3283.7	3271.6	3271.6	3280.6	3271.6
12.5°	3310.9	3304.8	3310.9	3304.8	3304.8	3298.8	3268.6	3256.5	3259.5	3262.5	3250.5
15°	3286.7	3277.6	3286.7	3280.6	3283.7	3274.7	3241.4	3229.3	3229.3	3235.4	3214.2
17.5°	3250.5	3238.3	3250.5	3247.4	3244.4	3238.3	3208.2	3196.1	3193.1	3196.1	3180.9
20°	3208.2	3199.1	3208.2	3205.1	3205.1	3193.1	3162.8	3147.7	3147.7	3147.7	3132.6
22.5°	3141.7	3132.6	3141.7	3147.7	3147.7	3144.7	3117.6	3096.4	3090.3	3090.3	3072.2
25°	3066.1	3057.1	3066.1	3066.1	3063.2	3066.1	3057.1	3045.1	3036.0	3026.9	3008.8
27.5°	2993.7	2987.6	2993.7	2987.6	2993.7	2984.7	2981.6	2978.6	2966.5	2957.4	2933.2
30°	2921.2	2915.1	2921.2	2915.1	2909.1	2903.1	2888.0	2881.9	2894.0	2888.0	2848.7
32.5°	2830.6	2824.5	2830.6	2830.6	2824.5	2824.5	2800.3	2791.3	2794.3	2812.5	2776.2
35°	2737.0	2727.8	2737.0	2733.9	2737.0	2727.8	2712.8	2709.7	2697.7	2718.7	2691.6
37.5°	2628.1	2619.1	2628.1	2628.1	2628.1	2634.2	2622.2	2613.1	2594.9	2622.2	2601.0
40°	2516.4	2504.3	2516.4	2513.4	2516.4	2522.5	2516.4	2510.3	2492.2	2513.4	2495.2
42.5°	2389.5	2386.5	2389.5	2392.5	2392.5	2404.6	2413.6	2401.6	2395.5	2380.4	2392.5
45°	2253.6	2247.5	2253.6	2259.6	2262.6	2268.7	2295.9	2295.9	2286.8	2262.6	2280.7
47.5°	2108.5	2093.5	2108.5	2126.7	2126.7	2135.8	2162.9	2184.1	2169.0	2138.8	2147.8
50°	1954.5	1957.5	1954.5	1966.6	1966.6	1999.8	2021.0	2042.1	2057.2	2021.0	1978.7
52.5°	1803.4	1800.4	1803.4	1812.6	1824.6	1839.7	1875.9	1897.1	1921.3	1900.1	1833.7
55°	1652.4	1658.5	1652.4	1655.5	1661.5	1670.5	1724.9	1746.1	1791.4	1764.2	1694.7
57.5°	1501.4	1492.3	1501.4	1507.5	1510.4	1519.5	1564.9	1604.1	1631.3	1634.3	1549.7
60°	1326.2	1314.1	1326.2	1353.4	1359.4	1365.4	1407.8	1444.0	1468.2	1477.2	1389.6
62.5°	1172.1	1150.9	1172.1	1190.2	1202.3	1217.4	1247.6	1302.0	1323.1	1326.2	1202.3
65°	1008.9	999.9	1008.9	1045.3	1048.2	1066.3	1099.6	1138.9	1184.1	1178.2	999.9
67.5°	860.9	860.9	860.9	885.1	903.2	912.3	954.6	972.7	1030.1	1036.2	833.8
70°	725.0	722.0	725.0	743.1	755.2	776.4	815.7	836.7	882.1	897.2	676.7
72.5°	595.1	592.1	595.1	610.2	622.3	640.5	673.7	697.9	737.1	755.2	525.7
75°	480.3	474.2	480.3	492.4	489.4	513.5	540.7	564.9	601.2	613.2	389.7
77.5°	368.6	368.6	368.6	380.6	380.6	404.8	416.9	447.1	468.3	486.4	287.0
80°	274.9	271.9	274.9	278.0	278.0	290.0	311.2	332.3	350.4	350.4	196.4
82.5°	193.3	187.3	193.3	193.3	193.3	199.4	211.5	217.5	229.6	238.7	123.9
85°	120.9	120.9	120.9	123.9	120.9	126.8	129.9	135.9	135.9	129.9	75.5
87.5°	78.6	75.5	78.6	75.5	75.5	72.5	72.5	72.5	69.4	66.5	42.3
90°	42.3	42.3	42.3	42.3	42.3	56.4	75.2	84.6	72.7	49.0	31.2
92.5°	169.5	135.9	169.5	203.2	211.6	299.9	417.7	476.6	418.5	302.2	214.9
95°	590.7	488.8	590.7	692.7	718.2	943.1	1243.0	1392.9	1176.4	743.4	418.6
97.5°	1415.4	1221.5	1415.4	1609.5	1658.0	1800.1	1989.6	2084.4	1723.5	1001.4	459.9
100°	2039.4	1808.3	2039.4	2270.5	2328.2	2317.9	2304.0	2297.1	1896.5	1095.3	494.4
102.5°	2653.1	2455.2	2653.1	2851.1	2900.6	2719.5	2478.0	2357.2	1950.9	1138.4	528.9
105°	3435.7	3329.3	3435.7	3542.1	3568.7	3162.6	2621.3	2350.5	1957.1	1170.2	580.1
107.5°	3948.2	3973.9	3948.2	3922.5	3916.1	3349.7	2594.5	2216.9	1870.0	1176.2	655.8
110°	4143.7	4254.6	4143.7	4032.9	4005.2	3372.0	2527.7	2105.6	1792.8	1167.3	698.1





TEST NUMBER: P936145

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4161.1	4331.3	4161.1	3990.9	3948.3	3300.3	2436.2	2004.2	1725.3	1167.6	749.4
115°	4050.8	4286.8	4050.8	3814.7	3755.7	3131.4	2299.0	1882.9	1648.0	1178.4	826.2
117.5°	3816.8	4078.6	3816.8	3555.0	3489.6	2926.2	2175.0	1799.3	1599.7	1200.3	900.8
120°	3628.3	3882.6	3628.3	3373.9	3310.4	2795.6	2109.2	1766.0	1583.3	1218.2	944.2
122.5°	3444.7	3695.6	3444.7	3193.8	3131.0	2667.5	2049.4	1740.3	1574.8	1243.8	995.4
125°	3182.8	3413.9	3182.8	2951.6	2893.9	2500.1	1975.0	1712.5	1567.7	1278.2	1061.1
127.5°	2947.3	3142.2	2947.3	2752.2	2703.5	2365.4	1914.5	1689.1	1563.7	1312.8	1124.6
130°	2808.5	2988.6	2808.5	2628.3	2583.2	2282.3	1880.8	1680.2	1566.1	1338.0	1166.9
132.5°	2682.4	2843.8	2682.4	2521.1	2480.8	2211.3	1852.0	1672.4	1567.8	1358.5	1201.5
135°	2509.9	2648.9	2509.9	2370.8	2336.1	2110.4	1809.5	1659.0	1566.3	1380.7	1241.5
137.5°	2371.4	2485.2	2371.4	2257.6	2229.1	2038.4	1784.1	1656.9	1575.9	1414.1	1292.7
140°	2276.4	2382.8	2276.4	2170.0	2143.4	1978.7	1758.9	1649.0	1577.5	1434.5	1327.2
142.5°	2197.7	2289.3	2197.7	2106.1	2083.3	1938.5	1745.5	1649.0	1583.2	1451.6	1352.9
145°	2079.7	2149.0	2079.7	2010.4	1993.1	1874.7	1716.8	1637.9	1583.2	1473.9	1391.9
147.5°	1989.1	2046.5	1989.1	1931.7	1917.3	1824.2	1700.0	1637.9	1594.1	1506.6	1440.9
150°	1932.2	1978.7	1932.2	1885.6	1874.0	1795.2	1690.4	1637.9	1599.8	1523.5	1466.4
152.5°	1883.3	1918.5	1883.3	1848.2	1839.4	1772.2	1682.7	1637.9	1603.5	1534.8	1483.2
155°	1827.4	1850.6	1827.4	1804.1	1798.3	1744.8	1673.5	1637.9	1611.6	1559.2	1519.9
157.5°	1783.0	1799.3	1783.0	1766.8	1762.7	1721.1	1665.6	1637.9	1619.8	1583.7	1556.6
160°	1756.6	1766.0	1756.6	1747.1	1744.8	1709.2	1661.6	1637.9	1623.5	1594.8	1573.3
162.5°	1739.2	1748.1	1739.2	1730.3	1728.1	1698.0	1658.0	1637.9	1627.5	1606.7	1591.2
165°	1714.3	1723.6	1714.3	1704.8	1702.5	1681.0	1652.2	1637.9	1633.1	1623.8	1616.7
167.5°	1696.3	1700.3	1696.3	1692.3	1691.3	1677.2	1658.4	1649.0	1645.1	1637.2	1631.3
170°	1691.3	1691.3	1691.3	1691.3	1691.3	1677.2	1658.4	1649.0	1648.8	1648.3	1648.0
172.5°	1678.1	1674.6	1678.1	1681.5	1682.4	1671.3	1656.4	1649.0	1649.0	1649.0	1649.0
175°	1670.2	1670.2	1670.2	1670.2	1670.2	1663.1	1653.8	1649.0	1651.3	1655.7	1659.0
177.5°	1663.0	1659.0	1663.0	1667.0	1667.9	1662.4	1655.0	1651.3	1653.0	1656.4	1659.0
180°	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0



TEST NUMBER: P936145

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1
2.5°	3238.3	3220.2	3220.2	3190.0	3178.0	3168.9	3153.8	3108.5	3096.4	3084.3	3102.5
5°	3265.6	3232.4	3208.2	3153.8	3108.5	3090.3	3032.9	2924.2	2851.7	2797.3	2767.1
7.5°	3271.6	3229.3	3184.0	3099.4	2990.6	2942.3	2767.1	2567.7	2513.4	2465.1	2434.8
10°	3265.6	3217.3	3153.8	3026.9	2770.2	2685.5	2510.3	2380.4	2347.2	2338.1	2347.2
12.5°	3244.4	3199.1	3111.5	2900.0	2540.6	2483.2	2380.4	2304.9	2298.9	2314.0	2395.5
15°	3208.2	3165.9	3063.2	2730.9	2413.6	2371.4	2298.9	2271.7	2304.9	2410.7	2655.4
17.5°	3171.9	3123.5	2996.7	2564.8	2317.0	2286.8	2235.5	2289.8	2477.1	2619.1	2700.6
20°	3123.5	3066.1	2921.2	2443.9	2247.5	2220.3	2196.2	2440.9	2582.9	2634.2	2679.6
22.5°	3066.1	3005.8	2818.4	2359.3	2175.0	2153.9	2169.0	2525.5	2582.9	2619.1	2658.4
25°	2990.6	2939.3	2697.7	2292.9	2117.7	2093.5	2150.9	2516.4	2549.6	2558.7	2637.2
27.5°	2921.2	2854.7	2570.7	2232.4	2048.1	2039.1	2165.9	2477.1	2501.3	2510.3	2594.9
30°	2836.6	2737.0	2428.8	2169.0	1975.6	1972.6	2169.0	2428.8	2422.7	2446.9	2531.5
32.5°	2749.0	2561.7	2268.7	2090.4	1906.2	1903.2	2147.8	2356.2	2350.3	2383.5	2446.9
35°	2667.4	2425.8	2051.2	1999.8	1818.5	1821.6	2096.5	2271.7	2274.8	2304.9	2344.2
37.5°	2582.9	2308.0	1812.6	1900.1	1734.0	1734.0	2027.0	2193.2	2187.1	2196.2	2250.6
40°	2483.2	2123.6	1601.1	1770.2	1655.5	1646.3	1942.4	2108.5	2087.4	2084.4	2160.0
42.5°	2377.4	1921.3	1444.0	1598.1	1564.9	1552.7	1839.7	2005.9	1966.6	1975.6	2072.3
45°	2262.6	1866.9	1323.1	1350.4	1471.1	1462.1	1727.9	1888.1	1860.8	1885.0	1984.7
47.5°	2147.8	1758.1	1283.9	1120.8	1371.5	1368.5	1604.1	1773.3	1758.1	1782.3	1888.1
50°	1990.7	1637.3	1280.8	960.6	1259.7	1271.8	1456.0	1661.5	1661.5	1682.6	1794.4
52.5°	1788.4	1489.2	1163.0	870.0	1129.8	1166.0	1326.2	1564.9	1570.8	1592.0	1691.7
55°	1604.1	1335.3	1078.5	800.5	975.7	1054.3	1199.3	1465.1	1477.2	1498.4	1589.0
57.5°	1434.9	1111.7	1060.3	719.0	833.8	909.3	1087.5	1368.5	1374.5	1392.7	1480.2
60°	1253.7	803.5	972.7	631.4	709.9	767.3	984.8	1253.7	1274.8	1286.9	1362.4
62.5°	1048.2	583.1	882.1	570.9	649.5	661.6	900.2	1144.9	1172.1	1181.2	1226.5
65°	746.1	489.4	749.2	519.6	586.0	589.0	809.6	1033.1	1057.3	1072.4	1105.6
67.5°	504.5	398.7	570.9	471.2	537.7	540.7	722.0	903.2	936.4	948.6	969.7
70°	350.4	265.8	422.9	419.9	483.4	489.4	628.3	785.4	815.7	824.7	836.7
72.5°	256.8	214.5	350.4	377.6	426.0	432.0	531.6	652.5	682.7	691.8	697.9
75°	196.4	226.5	283.9	329.3	362.5	365.5	435.0	531.6	552.8	558.9	561.9
77.5°	157.1	211.5	208.4	265.8	296.1	290.0	341.3	410.9	429.0	429.0	429.0
80°	117.8	166.1	157.1	190.3	217.5	211.5	244.7	293.0	299.0	305.1	302.1
82.5°	87.6	105.7	105.7	120.9	145.0	139.0	163.2	190.3	190.3	190.3	196.4
85°	54.4	60.4	48.3	63.5	81.6	78.6	90.6	102.7	105.7	105.7	99.7
87.5°	33.2	27.2	15.1	24.2	36.2	36.2	42.3	45.3	42.3	42.3	42.3
90°	28.9	20.1	11.2	20.1	28.9	31.2	49.0	72.7	84.6	75.2	56.4
92.5°	196.0	120.2	44.5	120.2	196.0	214.9	302.2	418.5	476.6	417.7	299.9
95°	384.0	245.5	106.9	245.5	384.0	418.6	743.4	1176.4	1392.9	1243.0	943.1
97.5°	429.4	307.1	184.9	307.1	429.4	459.9	1001.4	1723.5	2084.4	1989.6	1800.1
100°	466.7	355.8	244.9	355.8	466.7	494.4	1095.3	1896.5	2297.1	2304.0	2317.9
102.5°	503.0	399.6	296.2	399.6	503.0	528.9	1138.4	1950.9	2357.2	2478.0	2719.5
105°	558.2	470.6	383.0	470.6	558.2	580.1	1170.2	1957.1	2350.5	2621.3	3162.6
107.5°	635.4	553.8	472.1	553.8	635.4	655.8	1176.2	1870.0	2216.9	2594.5	3349.7
110°	679.7	606.0	532.3	606.0	679.7	698.1	1167.3	1792.8	2105.6	2527.7	3372.0



TEST NUMBER: P936145

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	731.8	661.5	591.3	661.5	731.8	749.4	1167.6	1725.3	2004.2	2436.2	3300.3
115°	810.0	745.2	680.4	745.2	810.0	826.2	1178.4	1648.0	1882.9	2299.0	3131.4
117.5°	886.1	827.2	768.3	827.2	886.1	900.8	1200.3	1599.7	1799.3	2175.0	2926.2
120°	930.4	874.9	819.5	874.9	930.4	944.2	1218.2	1583.3	1766.0	2109.2	2795.6
122.5°	981.4	925.6	869.6	925.6	981.4	995.4	1243.8	1574.8	1740.3	2049.4	2667.5
125°	1048.4	997.4	946.4	997.4	1048.4	1061.1	1278.2	1567.7	1712.5	1975.0	2500.1
127.5°	1111.8	1060.3	1008.8	1060.3	1111.8	1124.6	1312.8	1563.7	1689.1	1914.5	2365.4
130°	1153.1	1097.7	1042.2	1097.7	1153.1	1166.9	1338.0	1566.1	1680.2	1880.8	2282.3
132.5°	1187.6	1132.2	1076.8	1132.2	1187.6	1201.5	1358.5	1567.8	1672.4	1852.0	2211.3
135°	1229.0	1178.4	1127.9	1178.4	1229.0	1241.5	1380.7	1566.3	1659.0	1809.5	2110.4
137.5°	1280.2	1230.3	1180.3	1230.3	1280.2	1292.7	1414.1	1575.9	1656.9	1784.1	2038.4
140°	1315.7	1269.8	1223.7	1269.8	1315.7	1327.2	1434.5	1577.5	1649.0	1758.9	1978.7
142.5°	1342.2	1299.7	1257.1	1299.7	1342.2	1352.9	1451.6	1583.2	1649.0	1745.5	1938.5
145°	1382.6	1345.4	1308.3	1345.4	1382.6	1391.9	1473.9	1583.2	1637.9	1716.8	1874.7
147.5°	1431.9	1395.7	1359.5	1395.7	1431.9	1440.9	1506.6	1594.1	1637.9	1700.0	1824.2
150°	1458.3	1425.6	1392.9	1425.6	1458.3	1466.4	1523.5	1599.8	1637.9	1690.4	1795.2
152.5°	1477.0	1452.2	1427.5	1452.2	1477.0	1483.2	1534.8	1603.5	1637.9	1682.7	1772.2
155°	1515.3	1497.0	1478.7	1497.0	1515.3	1519.9	1559.2	1611.6	1637.9	1673.5	1744.8
157.5°	1552.2	1534.4	1516.6	1534.4	1552.2	1556.6	1583.7	1619.8	1637.9	1665.6	1721.1
160°	1569.9	1556.0	1542.2	1556.0	1569.9	1573.3	1594.8	1623.5	1637.9	1661.6	1709.2
162.5°	1588.6	1578.2	1567.8	1578.2	1588.6	1591.2	1606.7	1627.5	1637.9	1658.0	1698.0
165°	1614.4	1604.9	1595.6	1604.9	1614.4	1616.7	1623.8	1633.1	1637.9	1652.2	1681.0
167.5°	1630.1	1625.6	1621.2	1625.6	1630.1	1631.3	1637.2	1645.1	1649.0	1658.4	1677.2
170°	1646.8	1642.3	1637.9	1642.3	1646.8	1648.0	1648.3	1648.8	1649.0	1658.4	1677.2
172.5°	1648.8	1647.8	1646.8	1647.8	1648.8	1649.0	1649.0	1649.0	1649.0	1656.4	1671.3
175°	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1655.7	1651.3	1649.0	1653.8	1663.1
177.5°	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1656.4	1653.0	1651.3	1655.0	1662.4
180°	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0



TEST NUMBER: P936145  
 CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1
2.5°	3081.3	3072.2	3084.3	3051.1	3084.3	3072.2	3081.3	3102.5	3084.3	3096.4	3108.5
5°	2703.7	2688.6	2640.3	2601.0	2640.3	2688.6	2703.7	2767.1	2797.3	2851.7	2924.2
7.5°	2416.7	2404.6	2392.5	2368.4	2392.5	2404.6	2416.7	2434.8	2465.1	2513.4	2567.7
10°	2353.3	2356.2	2374.4	2371.4	2374.4	2356.2	2353.3	2347.2	2338.1	2347.2	2380.4
12.5°	2516.4	2543.6	2643.2	2637.2	2643.2	2543.6	2516.4	2395.5	2314.0	2298.9	2304.9
15°	2703.7	2712.8	2733.9	2737.0	2733.9	2712.8	2703.7	2655.4	2410.7	2304.9	2271.7
17.5°	2721.8	2724.8	2739.9	2739.9	2739.9	2724.8	2721.8	2700.6	2619.1	2477.1	2289.8
20°	2706.7	2712.8	2742.9	2749.0	2742.9	2712.8	2706.7	2679.6	2634.2	2582.9	2440.9
22.5°	2700.6	2712.8	2737.0	2733.9	2737.0	2712.8	2700.6	2658.4	2619.1	2582.9	2525.5
25°	2670.5	2670.5	2673.5	2676.5	2673.5	2670.5	2670.5	2637.2	2558.7	2549.6	2516.4
27.5°	2607.0	2613.1	2631.2	2628.1	2631.2	2613.1	2607.0	2594.9	2510.3	2501.3	2477.1
30°	2549.6	2543.6	2528.4	2516.4	2528.4	2543.6	2549.6	2531.5	2446.9	2422.7	2428.8
32.5°	2452.9	2437.8	2422.7	2413.6	2422.7	2437.8	2452.9	2446.9	2383.5	2350.3	2356.2
35°	2338.1	2341.2	2338.1	2329.1	2338.1	2341.2	2338.1	2344.2	2304.9	2274.8	2271.7
37.5°	2256.6	2262.6	2259.6	2247.5	2259.6	2262.6	2256.6	2250.6	2196.2	2187.1	2193.2
40°	2172.0	2175.0	2172.0	2162.9	2172.0	2175.0	2172.0	2160.0	2084.4	2087.4	2108.5
42.5°	2090.4	2087.4	2078.4	2072.3	2078.4	2087.4	2090.4	2072.3	1975.6	1966.6	2005.9
45°	1996.8	1999.8	1981.7	1972.6	1981.7	1999.8	1996.8	1984.7	1885.0	1860.8	1888.1
47.5°	1903.2	1903.2	1888.1	1879.0	1888.1	1903.2	1903.2	1888.1	1782.3	1758.1	1773.3
50°	1803.4	1800.4	1779.3	1776.3	1779.3	1800.4	1803.4	1794.4	1682.6	1661.5	1661.5
52.5°	1688.7	1688.7	1691.7	1697.8	1691.7	1688.7	1688.7	1691.7	1592.0	1570.8	1564.9
55°	1589.0	1592.0	1613.1	1619.2	1613.1	1592.0	1589.0	1589.0	1498.4	1477.2	1465.1
57.5°	1486.3	1486.3	1501.4	1501.4	1501.4	1486.3	1486.3	1480.2	1392.7	1374.5	1368.5
60°	1368.5	1374.5	1386.6	1383.6	1386.6	1374.5	1368.5	1362.4	1286.9	1274.8	1253.7
62.5°	1244.6	1250.6	1253.7	1247.6	1253.7	1250.6	1244.6	1226.5	1181.2	1172.1	1144.9
65°	1114.7	1120.8	1123.8	1117.7	1123.8	1120.8	1114.7	1105.6	1072.4	1057.3	1033.1
67.5°	981.8	978.8	975.7	987.9	975.7	978.8	981.8	969.7	948.6	936.4	903.2
70°	845.8	845.8	842.8	848.9	842.8	845.8	845.8	836.7	824.7	815.7	785.4
72.5°	700.9	697.9	709.9	700.9	709.9	697.9	700.9	697.9	691.8	682.7	652.5
75°	558.9	564.9	558.9	567.9	558.9	564.9	558.9	561.9	558.9	552.8	531.6
77.5°	426.0	432.0	426.0	426.0	426.0	432.0	426.0	429.0	429.0	429.0	410.9
80°	302.1	299.0	299.0	296.1	299.0	299.0	302.1	302.1	305.1	299.0	293.0
82.5°	193.3	190.3	190.3	196.4	190.3	190.3	193.3	196.4	190.3	190.3	190.3
85°	105.7	108.7	102.7	102.7	102.7	108.7	105.7	99.7	105.7	105.7	102.7
87.5°	39.3	36.2	36.2	36.2	36.2	36.2	39.3	42.3	42.3	42.3	45.3
90°	42.3	42.3	42.3	42.3	42.3	42.3	42.3	56.4	75.2	84.6	72.7
92.5°	211.6	203.2	169.5	135.9	169.5	203.2	211.6	299.9	417.7	476.6	418.5
95°	718.2	692.7	590.7	488.8	590.7	692.7	718.2	943.1	1243.0	1392.9	1176.4
97.5°	1658.0	1609.5	1415.4	1221.5	1415.4	1609.5	1658.0	1800.1	1989.6	2084.4	1723.5
100°	2328.2	2270.5	2039.4	1808.3	2039.4	2270.5	2328.2	2317.9	2304.0	2297.1	1896.5
102.5°	2900.6	2851.1	2653.1	2455.2	2653.1	2851.1	2900.6	2719.5	2478.0	2357.2	1950.9
105°	3568.7	3542.1	3435.7	3329.3	3435.7	3542.1	3568.7	3162.6	2621.3	2350.5	1957.1
107.5°	3916.1	3922.5	3948.2	3973.9	3948.2	3922.5	3916.1	3349.7	2594.5	2216.9	1870.0
110°	4005.2	4032.9	4143.7	4254.6	4143.7	4032.9	4005.2	3372.0	2527.7	2105.6	1792.8



TEST NUMBER: P936145

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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3948.3	3990.9	4161.1	4331.3	4161.1	3990.9	3948.3	3300.3	2436.2	2004.2	1725.3
115°	3755.7	3814.7	4050.8	4286.8	4050.8	3814.7	3755.7	3131.4	2299.0	1882.9	1648.0
117.5°	3489.6	3555.0	3816.8	4078.6	3816.8	3555.0	3489.6	2926.2	2175.0	1799.3	1599.7
120°	3310.4	3373.9	3628.3	3882.6	3628.3	3373.9	3310.4	2795.6	2109.2	1766.0	1583.3
122.5°	3131.0	3193.8	3444.7	3695.6	3444.7	3193.8	3131.0	2667.5	2049.4	1740.3	1574.8
125°	2893.9	2951.6	3182.8	3413.9	3182.8	2951.6	2893.9	2500.1	1975.0	1712.5	1567.7
127.5°	2703.5	2752.2	2947.3	3142.2	2947.3	2752.2	2703.5	2365.4	1914.5	1689.1	1563.7
130°	2583.2	2628.3	2808.5	2988.6	2808.5	2628.3	2583.2	2282.3	1880.8	1680.2	1566.1
132.5°	2480.8	2521.1	2682.4	2843.8	2682.4	2521.1	2480.8	2211.3	1852.0	1672.4	1567.8
135°	2336.1	2370.8	2509.9	2648.9	2509.9	2370.8	2336.1	2110.4	1809.5	1659.0	1566.3
137.5°	2229.1	2257.6	2371.4	2485.2	2371.4	2257.6	2229.1	2038.4	1784.1	1656.9	1575.9
140°	2143.4	2170.0	2276.4	2382.8	2276.4	2170.0	2143.4	1978.7	1758.9	1649.0	1577.5
142.5°	2083.3	2106.1	2197.7	2289.3	2197.7	2106.1	2083.3	1938.5	1745.5	1649.0	1583.2
145°	1993.1	2010.4	2079.7	2149.0	2079.7	2010.4	1993.1	1874.7	1716.8	1637.9	1583.2
147.5°	1917.3	1931.7	1989.1	2046.5	1989.1	1931.7	1917.3	1824.2	1700.0	1637.9	1594.1
150°	1874.0	1885.6	1932.2	1978.7	1932.2	1885.6	1874.0	1795.2	1690.4	1637.9	1599.8
152.5°	1839.4	1848.2	1883.3	1918.5	1883.3	1848.2	1839.4	1772.2	1682.7	1637.9	1603.5
155°	1798.3	1804.1	1827.4	1850.6	1827.4	1804.1	1798.3	1744.8	1673.5	1637.9	1611.6
157.5°	1762.7	1766.8	1783.0	1799.3	1783.0	1766.8	1762.7	1721.1	1665.6	1637.9	1619.8
160°	1744.8	1747.1	1756.6	1766.0	1756.6	1747.1	1744.8	1709.2	1661.6	1637.9	1623.5
162.5°	1728.1	1730.3	1739.2	1748.1	1739.2	1730.3	1728.1	1698.0	1658.0	1637.9	1627.5
165°	1702.5	1704.8	1714.3	1723.6	1714.3	1704.8	1702.5	1681.0	1652.2	1637.9	1633.1
167.5°	1691.3	1692.3	1696.3	1700.3	1696.3	1692.3	1691.3	1677.2	1658.4	1649.0	1645.1
170°	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1677.2	1658.4	1649.0	1648.8
172.5°	1682.4	1681.5	1678.1	1674.6	1678.1	1681.5	1682.4	1671.3	1656.4	1649.0	1649.0
175°	1670.2	1670.2	1670.2	1670.2	1670.2	1670.2	1670.2	1663.1	1653.8	1649.0	1651.3
177.5°	1667.9	1667.0	1663.0	1659.0	1663.0	1667.0	1667.9	1662.4	1655.0	1651.3	1653.0
180°	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0



TEST NUMBER: P936145

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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	3193.1	3193.1	3193.1	3193.1	3193.1
2.5°	3153.8	3168.9	3178.0	3190.0	3220.2
5°	3032.9	3090.3	3108.5	3153.8	3208.2
7.5°	2767.1	2942.3	2990.6	3099.4	3184.0
10°	2510.3	2685.5	2770.2	3026.9	3153.8
12.5°	2380.4	2483.2	2540.6	2900.0	3111.5
15°	2298.9	2371.4	2413.6	2730.9	3063.2
17.5°	2235.5	2286.8	2317.0	2564.8	2996.7
20°	2196.2	2220.3	2247.5	2443.9	2921.2
22.5°	2169.0	2153.9	2175.0	2359.3	2818.4
25°	2150.9	2093.5	2117.7	2292.9	2697.7
27.5°	2165.9	2039.1	2048.1	2232.4	2570.7
30°	2169.0	1972.6	1975.6	2169.0	2428.8
32.5°	2147.8	1903.2	1906.2	2090.4	2268.7
35°	2096.5	1821.6	1818.5	1999.8	2051.2
37.5°	2027.0	1734.0	1734.0	1900.1	1812.6
40°	1942.4	1646.3	1655.5	1770.2	1601.1
42.5°	1839.7	1552.7	1564.9	1598.1	1444.0
45°	1727.9	1462.1	1471.1	1350.4	1323.1
47.5°	1604.1	1368.5	1371.5	1120.8	1283.9
50°	1456.0	1271.8	1259.7	960.6	1280.8
52.5°	1326.2	1166.0	1129.8	870.0	1163.0
55°	1199.3	1054.3	975.7	800.5	1078.5
57.5°	1087.5	909.3	833.8	719.0	1060.3
60°	984.8	767.3	709.9	631.4	972.7
62.5°	900.2	661.6	649.5	570.9	882.1
65°	809.6	589.0	586.0	519.6	749.2
67.5°	722.0	540.7	537.7	471.2	570.9
70°	628.3	489.4	483.4	419.9	422.9
72.5°	531.6	432.0	426.0	377.6	350.4
75°	435.0	365.5	362.5	329.3	283.9
77.5°	341.3	290.0	296.1	265.8	208.4
80°	244.7	211.5	217.5	190.3	157.1
82.5°	163.2	139.0	145.0	120.9	105.7
85°	90.6	78.6	81.6	63.5	48.3
87.5°	42.3	36.2	36.2	24.2	15.1
90°	49.0	31.2	28.9	20.1	11.2
92.5°	302.2	214.9	196.0	120.2	44.5
95°	743.4	418.6	384.0	245.5	106.9
97.5°	1001.4	459.9	429.4	307.1	184.9
100°	1095.3	494.4	466.7	355.8	244.9
102.5°	1138.4	528.9	503.0	399.6	296.2
105°	1170.2	580.1	558.2	470.6	383.0
107.5°	1176.2	655.8	635.4	553.8	472.1
110°	1167.3	698.1	679.7	606.0	532.3



TEST NUMBER: P936145

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1167.6	749.4	731.8	661.5	591.3
115°	1178.4	826.2	810.0	745.2	680.4
117.5°	1200.3	900.8	886.1	827.2	768.3
120°	1218.2	944.2	930.4	874.9	819.5
122.5°	1243.8	995.4	981.4	925.6	869.6
125°	1278.2	1061.1	1048.4	997.4	946.4
127.5°	1312.8	1124.6	1111.8	1060.3	1008.8
130°	1338.0	1166.9	1153.1	1097.7	1042.2
132.5°	1358.5	1201.5	1187.6	1132.2	1076.8
135°	1380.7	1241.5	1229.0	1178.4	1127.9
137.5°	1414.1	1292.7	1280.2	1230.3	1180.3
140°	1434.5	1327.2	1315.7	1269.8	1223.7
142.5°	1451.6	1352.9	1342.2	1299.7	1257.1
145°	1473.9	1391.9	1382.6	1345.4	1308.3
147.5°	1506.6	1440.9	1431.9	1395.7	1359.5
150°	1523.5	1466.4	1458.3	1425.6	1392.9
152.5°	1534.8	1483.2	1477.0	1452.2	1427.5
155°	1559.2	1519.9	1515.3	1497.0	1478.7
157.5°	1583.7	1556.6	1552.2	1534.4	1516.6
160°	1594.8	1573.3	1569.9	1556.0	1542.2
162.5°	1606.7	1591.2	1588.6	1578.2	1567.8
165°	1623.8	1616.7	1614.4	1604.9	1595.6
167.5°	1637.2	1631.3	1630.1	1625.6	1621.2
170°	1648.3	1648.0	1646.8	1642.3	1637.9
172.5°	1649.0	1649.0	1648.8	1647.8	1646.8
175°	1655.7	1659.0	1659.0	1659.0	1659.0
177.5°	1656.4	1659.0	1659.0	1659.0	1659.0
180°	1659.0	1659.0	1659.0	1659.0	1659.0



TEST NUMBER: P936145  
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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	13.54	14.35	14.55	15.37	16.73	16.38	17.19	17.39	18.21	19.57
	3H	14.01	14.74	15.04	15.77	17.15	17.72	18.45	18.74	19.48	20.86
	4H	14.20	14.89	15.24	15.92	17.31	18.17	18.85	19.20	19.88	21.27
	6H	14.32	14.95	15.36	15.99	17.39	18.45	19.08	19.49	20.12	21.52
	8H	14.32	14.92	15.37	15.97	17.37	18.52	19.12	19.57	20.18	21.57
	12H	14.29	14.86	15.34	15.90	17.32	18.56	19.13	19.62	20.18	21.60
4H	2H	14.57	15.25	15.61	16.29	17.67	16.78	17.47	17.82	18.50	19.89
	3H	15.59	16.16	16.64	17.22	18.62	18.29	18.85	19.33	19.92	21.32
	4H	15.87	16.39	16.92	17.44	18.86	18.81	19.33	19.87	20.39	21.81
	6H	15.99	16.44	17.05	17.51	18.93	19.18	19.62	20.24	20.70	22.12
	8H	15.99	16.41	17.06	17.48	18.91	19.28	19.70	20.35	20.77	22.20
	12H	15.96	16.33	17.04	17.42	18.86	19.34	19.72	20.42	20.80	22.24
8H	4H	16.32	16.73	17.38	17.80	19.24	18.93	19.35	20.00	20.42	21.85
	6H	16.57	16.92	17.66	18.03	19.46	19.37	19.71	20.46	20.82	22.26
	8H	16.62	16.92	17.71	18.01	19.46	19.52	19.82	20.62	20.92	22.37
	12H	16.60	16.87	17.70	17.95	19.44	19.62	19.89	20.72	20.97	22.46
12H	4H	16.32	16.70	17.40	17.78	19.22	18.89	19.27	19.98	20.35	21.79
	6H	16.64	16.94	17.73	18.03	19.48	19.36	19.67	20.46	20.76	22.21
	8H	16.70	16.97	17.80	18.05	19.55	19.52	19.79	20.62	20.88	22.37