

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: P936146

Luminaire Tested: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-8-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936146
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-8-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

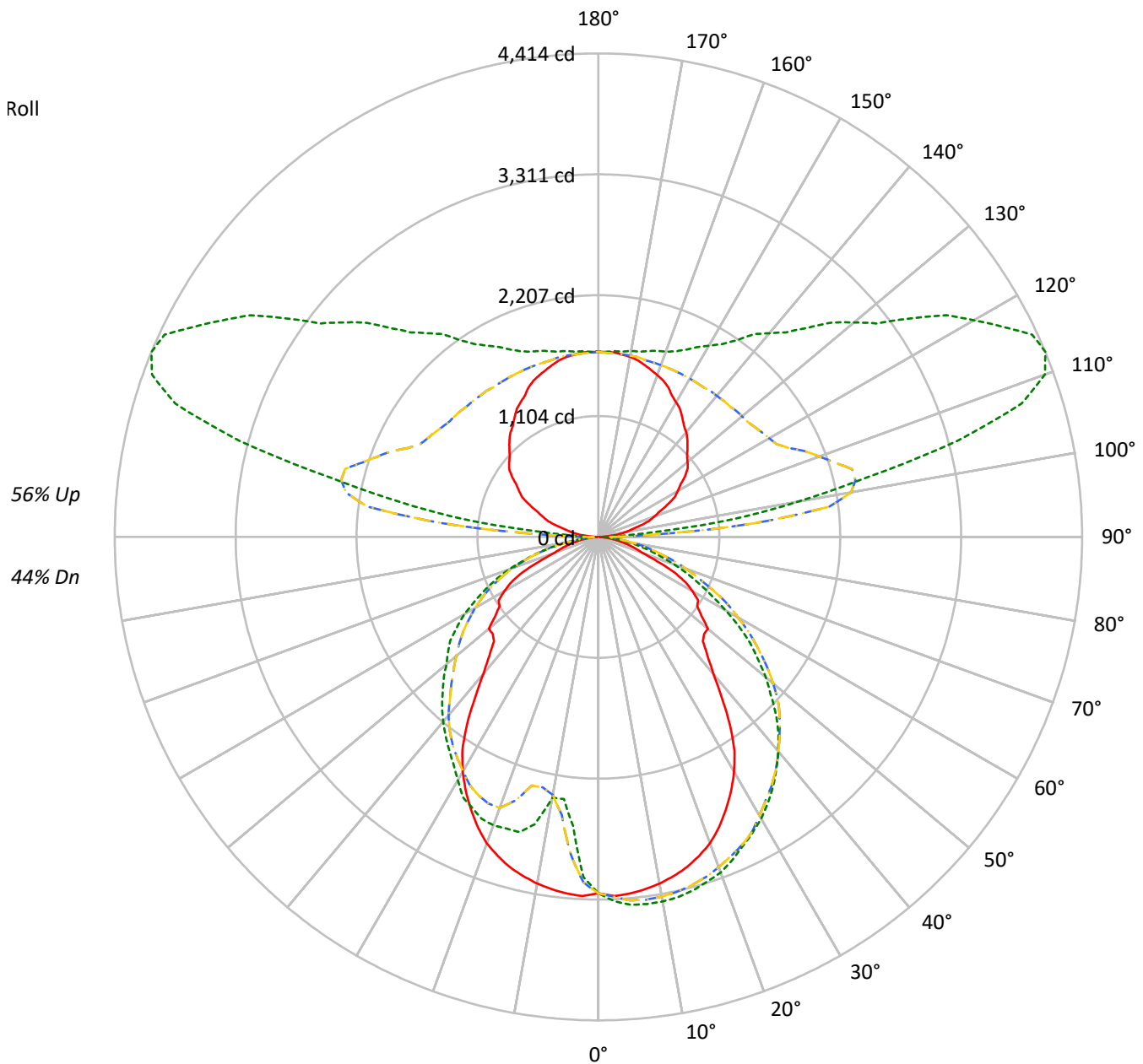
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19403.5 lumens
Efficiency: N/A
Efficacy: 116.6 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

TEST NUMBER: P936146
CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-8-4000K

Luminous Intensity Polar Plot



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



TEST NUMBER: P936146

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-8-4000K

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°	15097	15097	15097	15097
5°	15210	15240	15210	11983
10°	15108	15012	15108	10733
15°	14944	14686	14944	12264
20°	14632	14301	14632	12289
25°	13992	13739	13992	12029
30°	13165	13273	13165	11457
35°	11737	12683	11737	10829
40°	9779	11988	9779	10354
45°	8738	11175	8738	9808
50°	9283	10205	9283	9260
55°	8734	9160	8734	8943
60°	9003	7780	9003	8191
65°	8163	6431	8163	7188
70°	5653	5125	5653	6026
75°	4957	3788	4957	4536
80°	3994	2505	3994	2727
85°	2292	1327	2292	1128

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13392 cd/sqm



TEST NUMBER: P936146

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-8-4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.7	1.5
10°-20°	834.0	4.3
20°-30°	1289.2	6.6
30°-40°	1539.0	7.9
40°-50°	1548.0	8.0
50°-60°	1346.9	6.9
60°-70°	955.0	4.9
70°-80°	505.3	2.6
80°-90°	132.3	0.7
90°-100°	824.1	4.2
100°-110°	2166.7	11.2
110°-120°	2246.6	11.6
120°-130°	1802.1	9.3
130°-140°	1414.0	7.3
140°-150°	1085.3	5.6
150°-160°	781.6	4.0
160°-170°	478.2	2.5
170°-180°	161.6	0.8
0°-30°	2416.9	12.5
0°-40°	3955.8	20.4
0°-60°	6850.8	35.3
0°-90°	8443.3	43.5
90°-120°	5237.4	27.0
90°-150°	9538.8	49.2
90°-180°	10960.0	56.5
0°-180°	19403.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3254	3254	3254	3254	3254	
5°	3269	3371	3269	2651	3269	310
15°	3122	3340	3122	2789	3122	878
25°	2749	3115	2749	2728	2749	1262
35°	2090	2780	2090	2374	2090	1293
45°	1348	2290	1348	2010	1348	1080
55°	1099	1690	1099	1650	1099	1010
65°	764	1019	764	1139	764	730
75°	289	483	289	579	289	304
85°	49	123	49	105	49	66
90°	11	43	11	43	11	11
95°	109	498	109	498	109	121
105°	390	3393	390	3393	390	414
115°	693	4368	693	4368	693	685
125°	964	3479	964	3479	964	856
135°	1149	2699	1149	2699	1149	889
145°	1333	2190	1333	2190	1333	835
155°	1507	1886	1507	1886	1507	692
165°	1626	1756	1626	1756	1626	459
175°	1691	1702	1691	1702	1691	160
180°	1691	1691	1691	1691	1691	



TEST NUMBER: P936146

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0
2.5°	3281.6	3281.6	3300.1	3306.3	3306.3	3297.1	3287.8	3297.1	3324.7	3334.0	3330.9
5°	3269.3	3294.0	3327.8	3334.0	3340.1	3337.1	3330.9	3337.1	3367.8	3374.0	3377.1
7.5°	3244.7	3290.9	3334.0	3343.2	3352.5	3343.2	3340.1	3346.3	3377.1	3383.2	3383.2
10°	3213.9	3278.6	3327.8	3334.0	3343.2	3334.0	3334.0	3346.3	3377.1	3383.2	3386.3
12.5°	3170.8	3260.0	3306.3	3312.4	3324.7	3321.6	3318.6	3330.9	3361.7	3367.8	3367.8
15°	3121.6	3226.2	3269.3	3275.5	3297.1	3290.9	3290.9	3303.2	3337.1	3346.3	3343.2
17.5°	3053.8	3183.1	3232.4	3241.6	3257.0	3254.0	3257.0	3269.3	3300.1	3306.3	3309.4
20°	2976.9	3124.6	3183.1	3192.4	3207.7	3207.7	3207.7	3223.1	3254.0	3266.2	3266.2
22.5°	2872.2	3063.1	3124.6	3130.8	3149.3	3149.3	3155.4	3177.0	3204.7	3207.7	3207.7
25°	2749.1	2995.3	3047.6	3066.1	3084.6	3093.9	3103.1	3115.4	3124.6	3121.6	3124.6
27.5°	2619.8	2909.1	2976.9	2989.2	3013.8	3023.1	3035.4	3038.5	3041.6	3050.7	3044.6
30°	2475.1	2789.1	2890.6	2903.0	2943.0	2949.1	2936.9	2943.0	2958.4	2964.6	2970.7
32.5°	2311.9	2610.6	2801.4	2829.2	2866.1	2847.6	2844.5	2853.7	2878.4	2878.4	2884.5
35°	2090.3	2472.0	2718.3	2742.9	2770.6	2749.1	2761.4	2764.5	2779.9	2789.1	2786.0
37.5°	1847.1	2352.0	2632.1	2650.6	2672.1	2644.4	2662.9	2672.1	2684.4	2678.2	2678.2
40°	1631.6	2164.1	2530.5	2542.8	2561.3	2539.7	2558.2	2564.4	2570.5	2564.4	2561.3
42.5°	1471.5	1957.9	2422.7	2438.1	2425.8	2441.2	2447.4	2459.7	2450.5	2438.1	2438.1
45°	1348.4	1902.5	2305.7	2324.2	2305.7	2330.4	2339.7	2339.7	2311.9	2305.7	2302.7
47.5°	1308.3	1791.6	2188.8	2188.8	2179.6	2210.3	2225.7	2204.1	2176.5	2167.2	2167.2
50°	1305.2	1668.5	2028.7	2016.4	2059.5	2096.4	2081.1	2059.5	2038.0	2004.1	2004.1
52.5°	1185.2	1517.6	1822.5	1868.7	1936.3	1957.9	1933.3	1911.7	1874.8	1859.4	1847.1
55°	1099.0	1360.7	1634.7	1727.0	1797.8	1825.6	1779.3	1757.8	1702.4	1693.2	1687.0
57.5°	1080.6	1132.9	1462.2	1579.2	1665.5	1662.4	1634.7	1594.7	1548.5	1539.2	1536.2
60°	991.2	818.9	1277.6	1416.1	1505.4	1496.2	1471.5	1434.6	1391.5	1385.3	1379.2
62.5°	898.9	594.2	1068.2	1225.2	1351.4	1348.4	1326.8	1271.4	1240.7	1225.2	1212.9
65°	763.5	498.8	760.4	1019.0	1200.6	1206.7	1160.6	1120.6	1086.7	1068.2	1065.2
67.5°	581.8	406.3	514.1	849.7	1055.9	1049.7	991.2	972.8	929.7	920.5	902.0
70°	431.0	270.9	357.1	689.6	914.3	898.9	852.7	831.2	791.2	769.6	757.3
72.5°	357.1	218.6	261.7	535.7	769.6	751.2	711.2	686.5	652.7	634.2	621.8
75°	289.4	230.9	200.1	397.1	624.9	612.6	575.7	551.1	523.3	498.8	501.8
77.5°	212.4	215.5	160.1	292.4	495.7	477.2	455.6	424.8	412.5	387.9	387.9
80°	160.1	169.3	120.1	200.1	357.1	357.1	338.7	317.1	295.5	283.3	283.3
82.5°	107.7	107.7	89.2	126.3	243.2	234.0	221.7	215.5	203.2	197.0	197.0
85°	49.2	61.6	55.4	77.0	132.4	138.5	138.5	132.4	129.3	123.2	126.3
87.5°	15.4	27.7	33.8	43.1	67.8	70.8	73.9	73.9	73.9	77.0	77.0
90°	11.4	20.5	29.5	31.7	49.9	74.1	86.2	76.7	57.5	43.1	43.1
92.5°	45.4	122.5	199.8	219.0	307.9	426.4	485.7	425.6	305.6	215.6	207.0
95°	109.0	250.2	391.3	426.6	757.5	1198.8	1419.5	1266.7	961.1	731.9	705.9
97.5°	188.4	312.9	437.5	468.6	1020.5	1756.3	2124.2	2027.6	1834.5	1689.6	1640.2
100°	249.6	362.6	475.6	503.8	1116.2	1932.6	2340.9	2348.0	2362.1	2372.6	2313.8
102.5°	301.8	407.2	512.6	539.0	1160.1	1988.1	2402.2	2525.2	2771.3	2955.9	2905.5
105°	390.3	479.6	568.9	591.2	1192.5	1994.4	2395.3	2671.2	3222.9	3636.7	3609.6
107.5°	481.1	564.3	647.5	668.3	1198.6	1905.7	2259.2	2644.0	3413.6	3990.8	3997.3
110°	542.4	617.6	692.7	711.4	1189.5	1827.0	2145.7	2575.9	3436.2	4081.5	4109.7



TEST NUMBER: P936146

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	602.5	674.1	745.7	763.6	1189.9	1758.2	2042.4	2482.7	3363.2	4023.6	4067.0
115°	693.3	759.4	825.4	842.0	1200.9	1679.5	1918.8	2342.9	3191.1	3827.3	3887.4
117.5°	782.9	843.0	903.0	918.0	1223.2	1630.2	1833.6	2216.4	2982.0	3556.1	3622.8
120°	835.1	891.6	948.1	962.2	1241.4	1613.5	1799.6	2149.4	2848.9	3373.5	3438.2
122.5°	886.2	943.2	1000.1	1014.4	1267.5	1604.9	1773.5	2088.4	2718.4	3190.7	3254.7
125°	964.5	1016.4	1068.4	1081.4	1302.6	1597.6	1745.1	2012.7	2547.7	2949.0	3007.9
127.5°	1028.1	1080.5	1133.0	1146.1	1337.8	1593.5	1721.3	1951.0	2410.4	2755.0	2804.7
130°	1062.1	1118.6	1175.1	1189.2	1363.5	1596.0	1712.2	1916.7	2325.8	2632.5	2678.4
132.5°	1097.3	1153.8	1210.3	1224.4	1384.4	1597.7	1704.3	1887.3	2253.4	2528.1	2569.2
135°	1149.4	1200.9	1252.4	1265.2	1407.0	1596.1	1690.7	1844.0	2150.7	2380.6	2416.0
137.5°	1202.8	1253.8	1304.6	1317.3	1441.0	1606.0	1688.5	1818.1	2077.2	2271.6	2300.7
140°	1247.0	1294.0	1340.8	1352.5	1461.9	1607.6	1680.5	1792.4	2016.4	2184.3	2211.4
142.5°	1281.0	1324.4	1367.8	1378.6	1479.3	1613.4	1680.5	1778.8	1975.5	2123.0	2146.3
145°	1333.3	1371.1	1408.9	1418.4	1502.0	1613.4	1669.1	1749.5	1910.4	2031.1	2048.8
147.5°	1385.5	1422.3	1459.1	1468.3	1535.3	1624.5	1669.1	1732.4	1858.9	1953.9	1968.5
150°	1419.5	1452.8	1486.1	1494.4	1552.6	1630.3	1669.1	1722.6	1829.5	1909.7	1921.5
152.5°	1454.7	1479.9	1505.2	1511.5	1564.0	1634.1	1669.1	1714.8	1806.0	1874.5	1883.4
155°	1506.9	1525.6	1544.2	1548.8	1589.0	1642.3	1669.1	1705.4	1778.1	1832.6	1838.5
157.5°	1545.5	1563.7	1581.8	1586.3	1613.9	1650.7	1669.1	1697.4	1753.9	1796.3	1800.4
160°	1571.6	1585.7	1599.8	1603.3	1625.2	1654.4	1669.1	1693.3	1741.8	1778.1	1780.4
162.5°	1597.7	1608.2	1618.9	1621.5	1637.3	1658.5	1669.1	1689.6	1730.4	1761.1	1763.3
165°	1626.0	1635.5	1645.2	1647.5	1654.7	1664.3	1669.1	1683.7	1713.0	1735.0	1737.3
167.5°	1652.1	1656.6	1661.2	1662.4	1668.4	1676.5	1680.5	1690.0	1709.2	1723.6	1724.6
170°	1669.1	1673.6	1678.2	1679.4	1679.7	1680.2	1680.5	1690.0	1709.2	1723.6	1723.6
172.5°	1678.2	1679.2	1680.2	1680.5	1680.5	1680.5	1680.5	1688.0	1703.1	1714.5	1713.6
175°	1690.7	1690.7	1690.7	1690.7	1687.3	1682.7	1680.5	1685.3	1694.8	1702.0	1702.0
177.5°	1690.7	1690.7	1690.7	1690.7	1688.0	1684.5	1682.7	1686.6	1694.1	1699.7	1698.7
180°	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7



TEST NUMBER: P936146

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0
2.5°	3337.1	3327.8	3337.1	3330.9	3334.0	3324.7	3297.1	3287.8	3297.1	3306.3	3306.3
5°	3377.1	3370.9	3377.1	3377.1	3374.0	3367.8	3337.1	3330.9	3337.1	3340.1	3334.0
7.5°	3389.4	3380.1	3389.4	3383.2	3383.2	3377.1	3346.3	3340.1	3343.2	3352.5	3343.2
10°	3389.4	3380.1	3389.4	3386.3	3383.2	3377.1	3346.3	3334.0	3334.0	3343.2	3334.0
12.5°	3374.0	3367.8	3374.0	3367.8	3367.8	3361.7	3330.9	3318.6	3321.6	3324.7	3312.4
15°	3349.4	3340.1	3349.4	3343.2	3346.3	3337.1	3303.2	3290.9	3290.9	3297.1	3275.5
17.5°	3312.4	3300.1	3312.4	3309.4	3306.3	3300.1	3269.3	3257.0	3254.0	3257.0	3241.6
20°	3269.3	3260.0	3269.3	3266.2	3266.2	3254.0	3223.1	3207.7	3207.7	3207.7	3192.4
22.5°	3201.6	3192.4	3201.6	3207.7	3207.7	3204.7	3177.0	3155.4	3149.3	3149.3	3130.8
25°	3124.6	3115.4	3124.6	3124.6	3121.6	3124.6	3115.4	3103.1	3093.9	3084.6	3066.1
27.5°	3050.7	3044.6	3050.7	3044.6	3050.7	3041.6	3038.5	3035.4	3023.1	3013.8	2989.2
30°	2976.9	2970.7	2976.9	2970.7	2964.6	2958.4	2943.0	2936.9	2949.1	2943.0	2903.0
32.5°	2884.5	2878.4	2884.5	2884.5	2878.4	2878.4	2853.7	2844.5	2847.6	2866.1	2829.2
35°	2789.1	2779.9	2789.1	2786.0	2789.1	2779.9	2764.5	2761.4	2749.1	2770.6	2742.9
37.5°	2678.2	2669.1	2678.2	2678.2	2678.2	2684.4	2672.1	2662.9	2644.4	2672.1	2650.6
40°	2564.4	2552.1	2564.4	2561.3	2564.4	2570.5	2564.4	2558.2	2539.7	2561.3	2542.8
42.5°	2435.1	2432.0	2435.1	2438.1	2438.1	2450.5	2459.7	2447.4	2441.2	2425.8	2438.1
45°	2296.6	2290.4	2296.6	2302.7	2305.7	2311.9	2339.7	2339.7	2330.4	2305.7	2324.2
47.5°	2148.7	2133.4	2148.7	2167.2	2167.2	2176.5	2204.1	2225.7	2210.3	2179.6	2188.8
50°	1991.7	1994.8	1991.7	2004.1	2004.1	2038.0	2059.5	2081.1	2096.4	2059.5	2016.4
52.5°	1837.8	1834.7	1837.8	1847.1	1859.4	1874.8	1911.7	1933.3	1957.9	1936.3	1868.7
55°	1683.9	1690.1	1683.9	1687.0	1693.2	1702.4	1757.8	1779.3	1825.6	1797.8	1727.0
57.5°	1530.0	1520.7	1530.0	1536.2	1539.2	1548.5	1594.7	1634.7	1662.4	1665.5	1579.2
60°	1351.4	1339.2	1351.4	1379.2	1385.3	1391.5	1434.6	1471.5	1496.2	1505.4	1416.1
62.5°	1194.4	1172.9	1194.4	1212.9	1225.2	1240.7	1271.4	1326.8	1348.4	1351.4	1225.2
65°	1028.2	1019.0	1028.2	1065.2	1068.2	1086.7	1120.6	1160.6	1206.7	1200.6	1019.0
67.5°	877.3	877.3	877.3	902.0	920.5	929.7	972.8	991.2	1049.7	1055.9	849.7
70°	738.8	735.7	738.8	757.3	769.6	791.2	831.2	852.7	898.9	914.3	689.6
72.5°	606.5	603.4	606.5	621.8	634.2	652.7	686.5	711.2	751.2	769.6	535.7
75°	489.5	483.3	489.5	501.8	498.8	523.3	551.1	575.7	612.6	624.9	397.1
77.5°	375.6	375.6	375.6	387.9	387.9	412.5	424.8	455.6	477.2	495.7	292.4
80°	280.2	277.1	280.2	283.3	283.3	295.5	317.1	338.7	357.1	357.1	200.1
82.5°	197.0	190.8	197.0	197.0	197.0	203.2	215.5	221.7	234.0	243.2	126.3
85°	123.2	123.2	123.2	126.3	123.2	129.3	132.4	138.5	138.5	132.4	77.0
87.5°	80.0	77.0	80.0	77.0	77.0	73.9	73.9	73.9	70.8	67.8	43.1
90°	43.1	43.1	43.1	43.1	43.1	57.5	76.7	86.2	74.1	49.9	31.7
92.5°	172.7	138.4	172.7	207.0	215.6	305.6	425.6	485.7	426.4	307.9	219.0
95°	602.0	498.1	602.0	705.9	731.9	961.1	1266.7	1419.5	1198.8	757.5	426.6
97.5°	1442.4	1244.7	1442.4	1640.2	1689.6	1834.5	2027.6	2124.2	1756.3	1020.5	468.6
100°	2078.2	1842.7	2078.2	2313.8	2372.6	2362.1	2348.0	2340.9	1932.6	1116.2	503.8
102.5°	2703.7	2502.0	2703.7	2905.5	2955.9	2771.3	2525.2	2402.2	1988.1	1160.1	539.0
105°	3501.2	3392.8	3501.2	3609.6	3636.7	3222.9	2671.2	2395.3	1994.4	1192.5	591.2
107.5°	4023.5	4049.7	4023.5	3997.3	3990.8	3413.6	2644.0	2259.2	1905.7	1198.6	668.3
110°	4222.7	4335.7	4222.7	4109.7	4081.5	3436.2	2575.9	2145.7	1827.0	1189.5	711.4



TEST NUMBER: P936146

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4240.5	4413.9	4240.5	4067.0	4023.6	3363.2	2482.7	2042.4	1758.2	1189.9	763.6
115°	4128.0	4368.5	4128.0	3887.4	3827.3	3191.1	2342.9	1918.8	1679.5	1200.9	842.0
117.5°	3889.6	4156.4	3889.6	3622.8	3556.1	2982.0	2216.4	1833.6	1630.2	1223.2	918.0
120°	3697.5	3956.6	3697.5	3438.2	3373.5	2848.9	2149.4	1799.6	1613.5	1241.4	962.2
122.5°	3510.4	3766.1	3510.4	3254.7	3190.7	2718.4	2088.4	1773.5	1604.9	1267.5	1014.4
125°	3243.5	3479.0	3243.5	3007.9	2949.0	2547.7	2012.7	1745.1	1597.6	1302.6	1081.4
127.5°	3003.4	3202.1	3003.4	2804.7	2755.0	2410.4	1951.0	1721.3	1593.5	1337.8	1146.1
130°	2862.0	3045.6	2862.0	2678.4	2632.5	2325.8	1916.7	1712.2	1596.0	1363.5	1189.2
132.5°	2733.6	2898.0	2733.6	2569.2	2528.1	2253.4	1887.3	1704.3	1597.7	1384.4	1224.4
135°	2557.7	2699.4	2557.7	2416.0	2380.6	2150.7	1844.0	1690.7	1596.1	1407.0	1265.2
137.5°	2416.6	2532.6	2416.6	2300.7	2271.6	2077.2	1818.1	1688.5	1606.0	1441.0	1317.3
140°	2319.8	2428.3	2319.8	2211.4	2184.3	2016.4	1792.4	1680.5	1607.6	1461.9	1352.5
142.5°	2239.6	2332.9	2239.6	2146.3	2123.0	1975.5	1778.8	1680.5	1613.4	1479.3	1378.6
145°	2119.4	2190.0	2119.4	2048.8	2031.1	1910.4	1749.5	1669.1	1613.4	1502.0	1418.4
147.5°	2027.0	2085.5	2027.0	1968.5	1953.9	1858.9	1732.4	1669.1	1624.5	1535.3	1468.3
150°	1969.0	2016.4	1969.0	1921.5	1909.7	1829.5	1722.6	1669.1	1630.3	1552.6	1494.4
152.5°	1919.2	1955.1	1919.2	1883.4	1874.5	1806.0	1714.8	1669.1	1634.1	1564.0	1511.5
155°	1862.2	1885.9	1862.2	1838.5	1832.6	1778.1	1705.4	1669.1	1642.3	1589.0	1548.8
157.5°	1817.0	1833.6	1817.0	1800.4	1796.3	1753.9	1697.4	1669.1	1650.7	1613.9	1586.3
160°	1790.1	1799.6	1790.1	1780.4	1778.1	1741.8	1693.3	1669.1	1654.4	1625.2	1603.3
162.5°	1772.3	1781.4	1772.3	1763.3	1761.1	1730.4	1689.6	1669.1	1658.5	1637.3	1621.5
165°	1747.0	1756.5	1747.0	1737.3	1735.0	1713.0	1683.7	1669.1	1664.3	1654.7	1647.5
167.5°	1728.7	1732.7	1728.7	1724.6	1723.6	1709.2	1690.0	1680.5	1676.5	1668.4	1662.4
170°	1723.6	1723.6	1723.6	1723.6	1723.6	1709.2	1690.0	1680.5	1680.2	1679.7	1679.4
172.5°	1710.1	1706.6	1710.1	1713.6	1714.5	1703.1	1688.0	1680.5	1680.5	1680.5	1680.5
175°	1702.0	1702.0	1702.0	1702.0	1702.0	1694.8	1685.3	1680.5	1682.7	1687.3	1690.7
177.5°	1694.7	1690.7	1694.7	1698.7	1699.7	1694.1	1686.6	1682.7	1684.5	1688.0	1690.7
180°	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7



TEST NUMBER: P936146

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0
2.5°	3300.1	3281.6	3281.6	3250.9	3238.6	3229.3	3213.9	3167.7	3155.4	3143.1	3161.6
5°	3327.8	3294.0	3269.3	3213.9	3167.7	3149.3	3090.8	2980.0	2906.1	2850.6	2819.9
7.5°	3334.0	3290.9	3244.7	3158.5	3047.6	2998.4	2819.9	2616.7	2561.3	2512.1	2481.2
10°	3327.8	3278.6	3213.9	3084.6	2823.0	2736.7	2558.2	2425.8	2392.0	2382.7	2392.0
12.5°	3306.3	3260.0	3170.8	2955.3	2589.0	2530.5	2425.8	2348.9	2342.7	2358.1	2441.2
15°	3269.3	3226.2	3121.6	2782.9	2459.7	2416.6	2342.7	2315.0	2348.9	2456.7	2706.0
17.5°	3232.4	3183.1	3053.8	2613.7	2361.1	2330.4	2278.1	2333.5	2524.3	2669.1	2752.1
20°	3183.1	3124.6	2976.9	2490.5	2290.4	2262.6	2238.1	2487.4	2632.1	2684.4	2730.6
22.5°	3124.6	3063.1	2872.2	2404.3	2216.5	2195.0	2210.3	2573.6	2632.1	2669.1	2709.1
25°	3047.6	2995.3	2749.1	2336.6	2158.0	2133.4	2191.9	2564.4	2598.2	2607.5	2687.5
27.5°	2976.9	2909.1	2619.8	2275.0	2087.2	2078.0	2207.2	2524.3	2549.0	2558.2	2644.4
30°	2890.6	2789.1	2475.1	2210.3	2013.3	2010.2	2210.3	2475.1	2468.9	2493.6	2579.7
32.5°	2801.4	2610.6	2311.9	2130.3	1942.5	1939.4	2188.8	2401.2	2395.1	2428.9	2493.6
35°	2718.3	2472.0	2090.3	2038.0	1853.2	1856.3	2136.5	2315.0	2318.1	2348.9	2388.9
37.5°	2632.1	2352.0	1847.1	1936.3	1767.1	1767.1	2065.6	2235.0	2228.8	2238.1	2293.5
40°	2530.5	2164.1	1631.6	1804.0	1687.0	1677.7	1979.5	2148.7	2127.2	2124.2	2201.1
42.5°	2422.7	1957.9	1471.5	1628.5	1594.7	1582.3	1874.8	2044.1	2004.1	2013.3	2111.8
45°	2305.7	1902.5	1348.4	1376.1	1499.2	1490.0	1760.9	1924.1	1896.3	1921.0	2022.6
47.5°	2188.8	1791.6	1308.3	1142.1	1397.7	1394.6	1634.7	1807.1	1791.6	1816.3	1924.1
50°	2028.7	1668.5	1305.2	979.0	1283.7	1296.1	1483.8	1693.2	1693.2	1714.7	1828.6
52.5°	1822.5	1517.6	1185.2	886.6	1151.3	1188.3	1351.4	1594.7	1600.8	1622.3	1723.9
55°	1634.7	1360.7	1099.0	815.8	994.3	1074.4	1222.2	1493.1	1505.4	1526.9	1619.2
57.5°	1462.2	1132.9	1080.6	732.7	849.7	926.6	1108.2	1394.6	1400.7	1419.2	1508.5
60°	1277.6	818.9	991.2	643.4	723.4	781.9	1003.6	1277.6	1299.1	1311.4	1388.4
62.5°	1068.2	594.2	898.9	581.8	661.9	674.2	917.4	1166.7	1194.4	1203.7	1249.8
65°	760.4	498.8	763.5	529.5	597.2	600.3	825.0	1052.8	1077.5	1092.8	1126.7
67.5°	514.1	406.3	581.8	480.2	548.0	551.1	735.7	920.5	954.3	966.7	988.2
70°	357.1	270.9	431.0	427.9	492.6	498.8	640.3	800.4	831.2	840.4	852.7
72.5°	261.7	218.6	357.1	384.8	434.1	440.3	541.8	664.9	695.7	705.0	711.2
75°	200.1	230.9	289.4	335.6	369.4	372.5	443.3	541.8	563.3	569.5	572.6
77.5°	160.1	215.5	212.4	270.9	301.7	295.5	347.8	418.7	437.2	437.2	437.2
80°	120.1	169.3	160.1	193.9	221.7	215.5	249.3	298.6	304.7	310.9	307.8
82.5°	89.2	107.7	107.7	123.2	147.7	141.6	166.3	193.9	193.9	193.9	200.1
85°	55.4	61.6	49.2	64.7	83.1	80.0	92.3	104.7	107.7	107.7	101.6
87.5°	33.8	27.7	15.4	24.7	36.9	36.9	43.1	46.2	43.1	43.1	43.1
90°	29.5	20.5	11.4	20.5	29.5	31.7	49.9	74.1	86.2	76.7	57.5
92.5°	199.8	122.5	45.4	122.5	199.8	219.0	307.9	426.4	485.7	425.6	305.6
95°	391.3	250.2	109.0	250.2	391.3	426.6	757.5	1198.8	1419.5	1266.7	961.1
97.5°	437.5	312.9	188.4	312.9	437.5	468.6	1020.5	1756.3	2124.2	2027.6	1834.5
100°	475.6	362.6	249.6	362.6	475.6	503.8	1116.2	1932.6	2340.9	2348.0	2362.1
102.5°	512.6	407.2	301.8	407.2	512.6	539.0	1160.1	1988.1	2402.2	2525.2	2771.3
105°	568.9	479.6	390.3	479.6	568.9	591.2	1192.5	1994.4	2395.3	2671.2	3222.9
107.5°	647.5	564.3	481.1	564.3	647.5	668.3	1198.6	1905.7	2259.2	2644.0	3413.6
110°	692.7	617.6	542.4	617.6	692.7	711.4	1189.5	1827.0	2145.7	2575.9	3436.2



TEST NUMBER: P936146

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	745.7	674.1	602.5	674.1	745.7	763.6	1189.9	1758.2	2042.4	2482.7	3363.2
115°	825.4	759.4	693.3	759.4	825.4	842.0	1200.9	1679.5	1918.8	2342.9	3191.1
117.5°	903.0	843.0	782.9	843.0	903.0	918.0	1223.2	1630.2	1833.6	2216.4	2982.0
120°	948.1	891.6	835.1	891.6	948.1	962.2	1241.4	1613.5	1799.6	2149.4	2848.9
122.5°	1000.1	943.2	886.2	943.2	1000.1	1014.4	1267.5	1604.9	1773.5	2088.4	2718.4
125°	1068.4	1016.4	964.5	1016.4	1068.4	1081.4	1302.6	1597.6	1745.1	2012.7	2547.7
127.5°	1133.0	1080.5	1028.1	1080.5	1133.0	1146.1	1337.8	1593.5	1721.3	1951.0	2410.4
130°	1175.1	1118.6	1062.1	1118.6	1175.1	1189.2	1363.5	1596.0	1712.2	1916.7	2325.8
132.5°	1210.3	1153.8	1097.3	1153.8	1210.3	1224.4	1384.4	1597.7	1704.3	1887.3	2253.4
135°	1252.4	1200.9	1149.4	1200.9	1252.4	1265.2	1407.0	1596.1	1690.7	1844.0	2150.7
137.5°	1304.6	1253.8	1202.8	1253.8	1304.6	1317.3	1441.0	1606.0	1688.5	1818.1	2077.2
140°	1340.8	1294.0	1247.0	1294.0	1340.8	1352.5	1461.9	1607.6	1680.5	1792.4	2016.4
142.5°	1367.8	1324.4	1281.0	1324.4	1367.8	1378.6	1479.3	1613.4	1680.5	1778.8	1975.5
145°	1408.9	1371.1	1333.3	1371.1	1408.9	1418.4	1502.0	1613.4	1669.1	1749.5	1910.4
147.5°	1459.1	1422.3	1385.5	1422.3	1459.1	1468.3	1535.3	1624.5	1669.1	1732.4	1858.9
150°	1486.1	1452.8	1419.5	1452.8	1486.1	1494.4	1552.6	1630.3	1669.1	1722.6	1829.5
152.5°	1505.2	1479.9	1454.7	1479.9	1505.2	1511.5	1564.0	1634.1	1669.1	1714.8	1806.0
155°	1544.2	1525.6	1506.9	1525.6	1544.2	1548.8	1589.0	1642.3	1669.1	1705.4	1778.1
157.5°	1581.8	1563.7	1545.5	1563.7	1581.8	1586.3	1613.9	1650.7	1669.1	1697.4	1753.9
160°	1599.8	1585.7	1571.6	1585.7	1599.8	1603.3	1625.2	1654.4	1669.1	1693.3	1741.8
162.5°	1618.9	1608.2	1597.7	1608.2	1618.9	1621.5	1637.3	1658.5	1669.1	1689.6	1730.4
165°	1645.2	1635.5	1626.0	1635.5	1645.2	1647.5	1654.7	1664.3	1669.1	1683.7	1713.0
167.5°	1661.2	1656.6	1652.1	1656.6	1661.2	1662.4	1668.4	1676.5	1680.5	1690.0	1709.2
170°	1678.2	1673.6	1669.1	1673.6	1678.2	1679.4	1679.7	1680.2	1680.5	1690.0	1709.2
172.5°	1680.2	1679.2	1678.2	1679.2	1680.2	1680.5	1680.5	1680.5	1680.5	1688.0	1703.1
175°	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1687.3	1682.7	1680.5	1685.3	1694.8
177.5°	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1688.0	1684.5	1682.7	1686.6	1694.1
180°	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7



TEST NUMBER: P936146
 CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0
2.5°	3140.1	3130.8	3143.1	3109.2	3143.1	3130.8	3140.1	3161.6	3143.1	3155.4	3167.7
5°	2755.2	2739.8	2690.6	2650.6	2690.6	2739.8	2755.2	2819.9	2850.6	2906.1	2980.0
7.5°	2462.8	2450.5	2438.1	2413.5	2438.1	2450.5	2462.8	2481.2	2512.1	2561.3	2616.7
10°	2398.2	2401.2	2419.6	2416.6	2419.6	2401.2	2398.2	2392.0	2382.7	2392.0	2425.8
12.5°	2564.4	2592.1	2693.6	2687.5	2693.6	2592.1	2564.4	2441.2	2358.1	2342.7	2348.9
15°	2755.2	2764.5	2786.0	2789.1	2786.0	2764.5	2755.2	2706.0	2456.7	2348.9	2315.0
17.5°	2773.7	2776.8	2792.1	2792.1	2792.1	2776.8	2773.7	2752.1	2669.1	2524.3	2333.5
20°	2758.3	2764.5	2795.2	2801.4	2795.2	2764.5	2758.3	2730.6	2684.4	2632.1	2487.4
22.5°	2752.1	2764.5	2789.1	2786.0	2789.1	2764.5	2752.1	2709.1	2669.1	2632.1	2573.6
25°	2721.4	2721.4	2724.5	2727.5	2724.5	2721.4	2721.4	2687.5	2607.5	2598.2	2564.4
27.5°	2656.7	2662.9	2681.3	2678.2	2681.3	2662.9	2656.7	2644.4	2558.2	2549.0	2524.3
30°	2598.2	2592.1	2576.6	2564.4	2576.6	2592.1	2598.2	2579.7	2493.6	2468.9	2475.1
32.5°	2499.7	2484.3	2468.9	2459.7	2468.9	2484.3	2499.7	2493.6	2428.9	2395.1	2401.2
35°	2382.7	2385.8	2382.7	2373.5	2382.7	2385.8	2382.7	2388.9	2348.9	2318.1	2315.0
37.5°	2299.7	2305.7	2302.7	2290.4	2302.7	2305.7	2299.7	2293.5	2238.1	2228.8	2235.0
40°	2213.4	2216.5	2213.4	2204.1	2213.4	2216.5	2213.4	2201.1	2124.2	2127.2	2148.7
42.5°	2130.3	2127.2	2118.0	2111.8	2118.0	2127.2	2130.3	2111.8	2013.3	2004.1	2044.1
45°	2034.9	2038.0	2019.5	2010.2	2019.5	2038.0	2034.9	2022.6	1921.0	1896.3	1924.1
47.5°	1939.4	1939.4	1924.1	1914.8	1924.1	1939.4	1939.4	1924.1	1816.3	1791.6	1807.1
50°	1837.8	1834.7	1813.2	1810.2	1813.2	1834.7	1837.8	1828.6	1714.7	1693.2	1693.2
52.5°	1720.9	1720.9	1723.9	1730.1	1723.9	1720.9	1720.9	1723.9	1622.3	1600.8	1594.7
55°	1619.2	1622.3	1643.9	1650.1	1643.9	1622.3	1619.2	1619.2	1526.9	1505.4	1493.1
57.5°	1514.6	1514.6	1530.0	1530.0	1530.0	1514.6	1514.6	1508.5	1419.2	1400.7	1394.6
60°	1394.6	1400.7	1413.0	1409.9	1413.0	1400.7	1394.6	1388.4	1311.4	1299.1	1277.6
62.5°	1268.3	1274.5	1277.6	1271.4	1277.6	1274.5	1268.3	1249.8	1203.7	1194.4	1166.7
65°	1136.0	1142.1	1145.2	1139.0	1145.2	1142.1	1136.0	1126.7	1092.8	1077.5	1052.8
67.5°	1000.5	997.4	994.3	1006.7	994.3	997.4	1000.5	988.2	966.7	954.3	920.5
70°	862.0	862.0	858.9	865.1	858.9	862.0	862.0	852.7	840.4	831.2	800.4
72.5°	714.2	711.2	723.4	714.2	723.4	711.2	714.2	711.2	705.0	695.7	664.9
75°	569.5	575.7	569.5	578.7	569.5	575.7	569.5	572.6	569.5	563.3	541.8
77.5°	434.1	440.3	434.1	434.1	434.1	440.3	434.1	437.2	437.2	437.2	418.7
80°	307.8	304.7	304.7	301.7	304.7	304.7	307.8	307.8	310.9	304.7	298.6
82.5°	197.0	193.9	193.9	200.1	193.9	193.9	197.0	200.1	193.9	193.9	193.9
85°	107.7	110.8	104.7	104.7	104.7	110.8	107.7	101.6	107.7	107.7	104.7
87.5°	40.0	36.9	36.9	36.9	36.9	36.9	40.0	43.1	43.1	43.1	46.2
90°	43.1	43.1	43.1	43.1	43.1	43.1	43.1	57.5	76.7	86.2	74.1
92.5°	215.6	207.0	172.7	138.4	172.7	207.0	215.6	305.6	425.6	485.7	426.4
95°	731.9	705.9	602.0	498.1	602.0	705.9	731.9	961.1	1266.7	1419.5	1198.8
97.5°	1689.6	1640.2	1442.4	1244.7	1442.4	1640.2	1689.6	1834.5	2027.6	2124.2	1756.3
100°	2372.6	2313.8	2078.2	1842.7	2078.2	2313.8	2372.6	2362.1	2348.0	2340.9	1932.6
102.5°	2955.9	2905.5	2703.7	2502.0	2703.7	2905.5	2955.9	2771.3	2525.2	2402.2	1988.1
105°	3636.7	3609.6	3501.2	3392.8	3501.2	3609.6	3636.7	3222.9	2671.2	2395.3	1994.4
107.5°	3990.8	3997.3	4023.5	4049.7	4023.5	3997.3	3990.8	3413.6	2644.0	2259.2	1905.7
110°	4081.5	4109.7	4222.7	4335.7	4222.7	4109.7	4081.5	3436.2	2575.9	2145.7	1827.0



TEST NUMBER: P936146

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4023.6	4067.0	4240.5	4413.9	4240.5	4067.0	4023.6	3363.2	2482.7	2042.4	1758.2
115°	3827.3	3887.4	4128.0	4368.5	4128.0	3887.4	3827.3	3191.1	2342.9	1918.8	1679.5
117.5°	3556.1	3622.8	3889.6	4156.4	3889.6	3622.8	3556.1	2982.0	2216.4	1833.6	1630.2
120°	3373.5	3438.2	3697.5	3956.6	3697.5	3438.2	3373.5	2848.9	2149.4	1799.6	1613.5
122.5°	3190.7	3254.7	3510.4	3766.1	3510.4	3254.7	3190.7	2718.4	2088.4	1773.5	1604.9
125°	2949.0	3007.9	3243.5	3479.0	3243.5	3007.9	2949.0	2547.7	2012.7	1745.1	1597.6
127.5°	2755.0	2804.7	3003.4	3202.1	3003.4	2804.7	2755.0	2410.4	1951.0	1721.3	1593.5
130°	2632.5	2678.4	2862.0	3045.6	2862.0	2678.4	2632.5	2325.8	1916.7	1712.2	1596.0
132.5°	2528.1	2569.2	2733.6	2898.0	2733.6	2569.2	2528.1	2253.4	1887.3	1704.3	1597.7
135°	2380.6	2416.0	2557.7	2699.4	2557.7	2416.0	2380.6	2150.7	1844.0	1690.7	1596.1
137.5°	2271.6	2300.7	2416.6	2532.6	2416.6	2300.7	2271.6	2077.2	1818.1	1688.5	1606.0
140°	2184.3	2211.4	2319.8	2428.3	2319.8	2211.4	2184.3	2016.4	1792.4	1680.5	1607.6
142.5°	2123.0	2146.3	2239.6	2332.9	2239.6	2146.3	2123.0	1975.5	1778.8	1680.5	1613.4
145°	2031.1	2048.8	2119.4	2190.0	2119.4	2048.8	2031.1	1910.4	1749.5	1669.1	1613.4
147.5°	1953.9	1968.5	2027.0	2085.5	2027.0	1968.5	1953.9	1858.9	1732.4	1669.1	1624.5
150°	1909.7	1921.5	1969.0	2016.4	1969.0	1921.5	1909.7	1829.5	1722.6	1669.1	1630.3
152.5°	1874.5	1883.4	1919.2	1955.1	1919.2	1883.4	1874.5	1806.0	1714.8	1669.1	1634.1
155°	1832.6	1838.5	1862.2	1885.9	1862.2	1838.5	1832.6	1778.1	1705.4	1669.1	1642.3
157.5°	1796.3	1800.4	1817.0	1833.6	1817.0	1800.4	1796.3	1753.9	1697.4	1669.1	1650.7
160°	1778.1	1780.4	1790.1	1799.6	1790.1	1780.4	1778.1	1741.8	1693.3	1669.1	1654.4
162.5°	1761.1	1763.3	1772.3	1781.4	1772.3	1763.3	1761.1	1730.4	1689.6	1669.1	1658.5
165°	1735.0	1737.3	1747.0	1756.5	1747.0	1737.3	1735.0	1713.0	1683.7	1669.1	1664.3
167.5°	1723.6	1724.6	1728.7	1732.7	1728.7	1724.6	1723.6	1709.2	1690.0	1680.5	1676.5
170°	1723.6	1723.6	1723.6	1723.6	1723.6	1723.6	1723.6	1709.2	1690.0	1680.5	1680.2
172.5°	1714.5	1713.6	1710.1	1706.6	1710.1	1713.6	1714.5	1703.1	1688.0	1680.5	1680.5
175°	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0	1694.8	1685.3	1680.5	1682.7
177.5°	1699.7	1698.7	1694.7	1690.7	1694.7	1698.7	1699.7	1694.1	1686.6	1682.7	1684.5
180°	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7



TEST NUMBER: P936146

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3254.0	3254.0	3254.0	3254.0	3254.0
2.5°	3213.9	3229.3	3238.6	3250.9	3281.6
5°	3090.8	3149.3	3167.7	3213.9	3269.3
7.5°	2819.9	2998.4	3047.6	3158.5	3244.7
10°	2558.2	2736.7	2823.0	3084.6	3213.9
12.5°	2425.8	2530.5	2589.0	2955.3	3170.8
15°	2342.7	2416.6	2459.7	2782.9	3121.6
17.5°	2278.1	2330.4	2361.1	2613.7	3053.8
20°	2238.1	2262.6	2290.4	2490.5	2976.9
22.5°	2210.3	2195.0	2216.5	2404.3	2872.2
25°	2191.9	2133.4	2158.0	2336.6	2749.1
27.5°	2207.2	2078.0	2087.2	2275.0	2619.8
30°	2210.3	2010.2	2013.3	2210.3	2475.1
32.5°	2188.8	1939.4	1942.5	2130.3	2311.9
35°	2136.5	1856.3	1853.2	2038.0	2090.3
37.5°	2065.6	1767.1	1767.1	1936.3	1847.1
40°	1979.5	1677.7	1687.0	1804.0	1631.6
42.5°	1874.8	1582.3	1594.7	1628.5	1471.5
45°	1760.9	1490.0	1499.2	1376.1	1348.4
47.5°	1634.7	1394.6	1397.7	1142.1	1308.3
50°	1483.8	1296.1	1283.7	979.0	1305.2
52.5°	1351.4	1188.3	1151.3	886.6	1185.2
55°	1222.2	1074.4	994.3	815.8	1099.0
57.5°	1108.2	926.6	849.7	732.7	1080.6
60°	1003.6	781.9	723.4	643.4	991.2
62.5°	917.4	674.2	661.9	581.8	898.9
65°	825.0	600.3	597.2	529.5	763.5
67.5°	735.7	551.1	548.0	480.2	581.8
70°	640.3	498.8	492.6	427.9	431.0
72.5°	541.8	440.3	434.1	384.8	357.1
75°	443.3	372.5	369.4	335.6	289.4
77.5°	347.8	295.5	301.7	270.9	212.4
80°	249.3	215.5	221.7	193.9	160.1
82.5°	166.3	141.6	147.7	123.2	107.7
85°	92.3	80.0	83.1	64.7	49.2
87.5°	43.1	36.9	36.9	24.7	15.4
90°	49.9	31.7	29.5	20.5	11.4
92.5°	307.9	219.0	199.8	122.5	45.4
95°	757.5	426.6	391.3	250.2	109.0
97.5°	1020.5	468.6	437.5	312.9	188.4
100°	1116.2	503.8	475.6	362.6	249.6
102.5°	1160.1	539.0	512.6	407.2	301.8
105°	1192.5	591.2	568.9	479.6	390.3
107.5°	1198.6	668.3	647.5	564.3	481.1
110°	1189.5	711.4	692.7	617.6	542.4



TEST NUMBER: P936146

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1189.9	763.6	745.7	674.1	602.5
115°	1200.9	842.0	825.4	759.4	693.3
117.5°	1223.2	918.0	903.0	843.0	782.9
120°	1241.4	962.2	948.1	891.6	835.1
122.5°	1267.5	1014.4	1000.1	943.2	886.2
125°	1302.6	1081.4	1068.4	1016.4	964.5
127.5°	1337.8	1146.1	1133.0	1080.5	1028.1
130°	1363.5	1189.2	1175.1	1118.6	1062.1
132.5°	1384.4	1224.4	1210.3	1153.8	1097.3
135°	1407.0	1265.2	1252.4	1200.9	1149.4
137.5°	1441.0	1317.3	1304.6	1253.8	1202.8
140°	1461.9	1352.5	1340.8	1294.0	1247.0
142.5°	1479.3	1378.6	1367.8	1324.4	1281.0
145°	1502.0	1418.4	1408.9	1371.1	1333.3
147.5°	1535.3	1468.3	1459.1	1422.3	1385.5
150°	1552.6	1494.4	1486.1	1452.8	1419.5
152.5°	1564.0	1511.5	1505.2	1479.9	1454.7
155°	1589.0	1548.8	1544.2	1525.6	1506.9
157.5°	1613.9	1586.3	1581.8	1563.7	1545.5
160°	1625.2	1603.3	1599.8	1585.7	1571.6
162.5°	1637.3	1621.5	1618.9	1608.2	1597.7
165°	1654.7	1647.5	1645.2	1635.5	1626.0
167.5°	1668.4	1662.4	1661.2	1656.6	1652.1
170°	1679.7	1679.4	1678.2	1673.6	1669.1
172.5°	1680.5	1680.5	1680.2	1679.2	1678.2
175°	1687.3	1690.7	1690.7	1690.7	1690.7
177.5°	1688.0	1690.7	1690.7	1690.7	1690.7
180°	1690.7	1690.7	1690.7	1690.7	1690.7



TEST NUMBER: P936146
 CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-8-4000K

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	13.61	14.41	14.62	15.43	16.80	16.45	17.25	17.46	18.27	19.63
	3H	14.08	14.80	15.10	15.83	17.21	17.79	18.51	18.81	19.54	20.92
	4H	14.27	14.95	15.30	15.98	17.37	18.23	18.92	19.27	19.95	21.34
	6H	14.38	15.01	15.43	16.05	17.45	18.52	19.15	19.56	20.18	21.58
	8H	14.38	14.98	15.43	16.04	17.43	18.59	19.19	19.64	20.24	21.64
	12H	14.35	14.92	15.41	15.97	17.39	18.63	19.20	19.68	20.24	21.66
4H	2H	14.64	15.32	15.68	16.35	17.74	16.85	17.53	17.89	18.56	19.95
	3H	15.66	16.23	16.71	17.29	18.69	18.35	18.92	19.40	19.98	21.38
	4H	15.93	16.45	16.99	17.50	18.93	18.88	19.40	19.93	20.45	21.88
	6H	16.05	16.50	17.12	17.58	19.00	19.24	19.69	20.31	20.77	22.18
	8H	16.06	16.48	17.12	17.54	18.98	19.35	19.77	20.41	20.83	22.27
	12H	16.02	16.40	17.10	17.48	18.92	19.40	19.78	20.49	20.86	22.30
8H	4H	16.38	16.80	17.45	17.87	19.30	19.00	19.42	20.06	20.48	21.92
	6H	16.64	16.99	17.73	18.10	19.53	19.43	19.78	20.52	20.89	22.32
	8H	16.68	16.99	17.78	18.08	19.53	19.59	19.89	20.68	20.98	22.43
	12H	16.66	16.93	17.76	18.02	19.51	19.68	19.95	20.78	21.04	22.53
12H	4H	16.39	16.76	17.47	17.85	19.28	18.96	19.34	20.04	20.42	21.86
	6H	16.70	17.01	17.80	18.10	19.55	19.43	19.73	20.53	20.83	22.28
	8H	16.77	17.03	17.86	18.12	19.61	19.59	19.86	20.69	20.95	22.44