

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: P936168

Luminaire Tested: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-8-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936168
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-93050-1D-UNV-STD-W-8-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

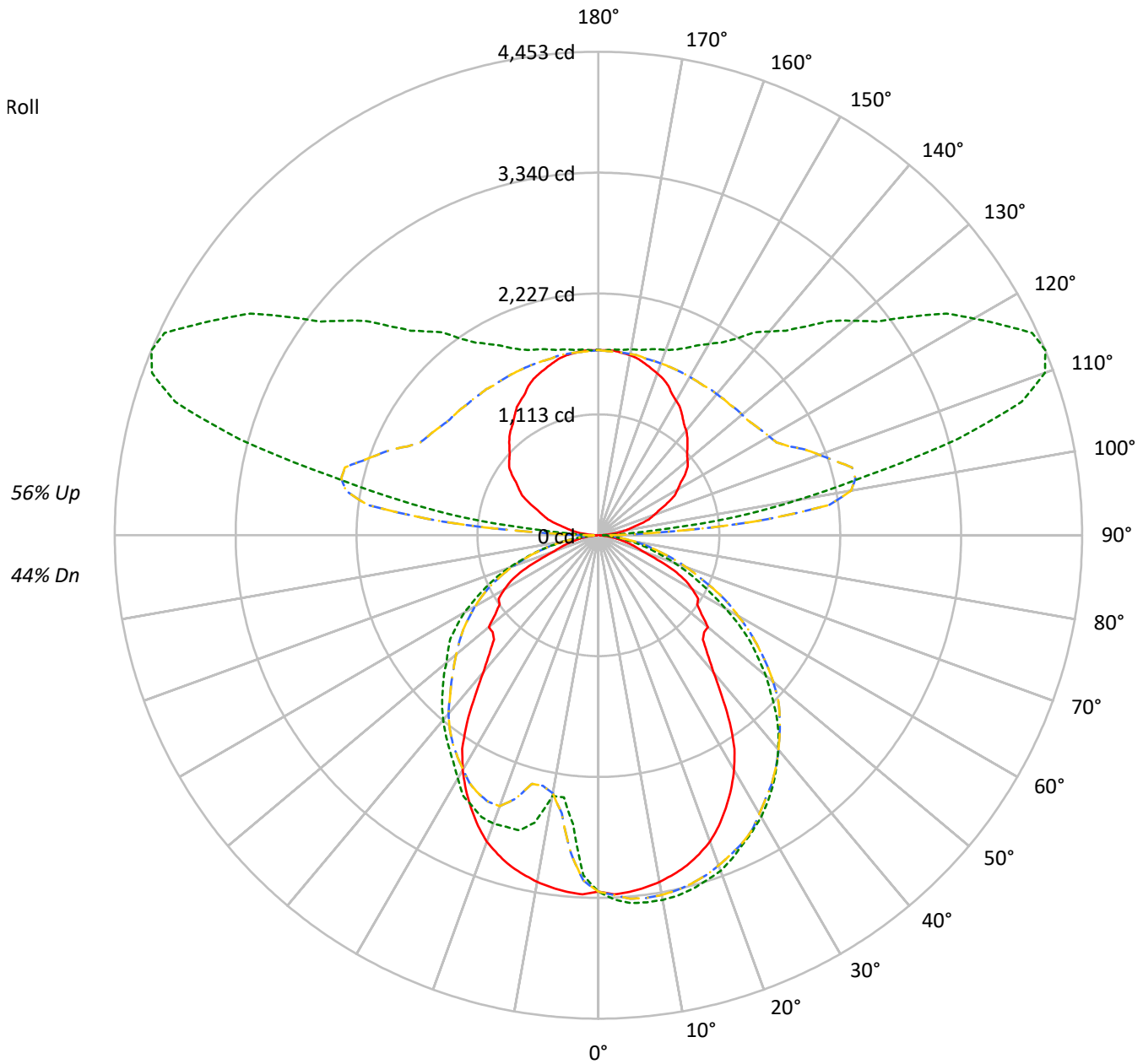
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19575.4 lumens
Efficiency: N/A
Efficacy: 117.6 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

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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	50	30	10	0
RCR																					
0	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	44	44	44	44
1	96	92	88	85	88	84	81	78	70	68	66	57	55	54	44	43	42	37	37	37	37
2	88	80	74	69	80	74	69	64	61	58	54	50	47	45	39	37	36	31	31	31	31
3	80	71	63	58	73	65	59	54	54	49	46	44	41	38	35	32	30	26	26	26	26
4	73	63	55	49	67	57	51	45	48	43	39	39	35	32	31	28	26	22	22	22	22
5	67	56	48	42	61	51	44	39	43	37	33	35	31	28	28	25	23	19	19	19	19
6	62	50	42	36	56	46	39	34	39	33	29	32	28	24	25	22	20	17	17	17	17
7	57	45	37	31	52	41	34	29	35	29	25	29	25	22	23	20	18	15	15	15	15
8	53	41	33	28	48	38	31	26	32	26	23	26	22	19	21	18	16	13	13	13	13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12	12	12	12
10	46	34	27	22	42	31	25	21	27	22	18	22	18	16	18	15	13	11	11	11	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15231	15231	15231	15231
5°	15345	15375	15345	12089
10°	15242	15145	15242	10828
15°	15076	14817	15076	12372
20°	14761	14428	14761	12398
25°	14116	13861	14116	12135
30°	13282	13390	13282	11559
35°	11840	12795	11840	10925
40°	9866	12094	9866	10446
45°	8815	11274	8815	9895
50°	9365	10295	9365	9342
55°	8812	9241	8812	9022
60°	9083	7849	9083	8263
65°	8235	6488	8235	7252
70°	5702	5170	5702	6079
75°	4999	3822	4999	4576
80°	4029	2527	4029	2752
85°	2310	1339	2310	1138

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13511 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.3	1.5
10°-20°	841.4	4.3
20°-30°	1300.6	6.6
30°-40°	1552.6	7.9
40°-50°	1561.7	8.0
50°-60°	1358.9	6.9
60°-70°	963.5	4.9
70°-80°	509.7	2.6
80°-90°	133.5	0.7
90°-100°	831.4	4.2
100°-110°	2185.9	11.2
110°-120°	2266.5	11.6
120°-130°	1818.0	9.3
130°-140°	1426.5	7.3
140°-150°	1094.9	5.6
150°-160°	788.5	4.0
160°-170°	482.5	2.5
170°-180°	163.0	0.8
0°-30°	2438.3	12.5
0°-40°	3990.9	20.4
0°-60°	6911.5	35.3
0°-90°	8518.2	43.5
90°-120°	5283.8	27.0
90°-150°	9623.2	49.2
90°-180°	11057.0	56.5
0°-180°	19575.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3283	3283	3283	3283	3283	
5°	3298	3401	3298	2674	3298	313
15°	3149	3370	3149	2814	3149	886
25°	2774	3143	2774	2752	2774	1273
35°	2109	2804	2109	2394	2109	1305
45°	1360	2311	1360	2028	1360	1090
55°	1109	1705	1109	1665	1109	1019
65°	770	1028	770	1149	770	736
75°	292	488	292	584	292	307
85°	50	124	50	106	50	67
90°	12	44	12	44	12	12
95°	110	502	110	502	110	122
105°	394	3423	394	3423	394	417
115°	700	4407	700	4407	700	691
125°	973	3510	973	3510	973	864
135°	1160	2723	1160	2723	1160	897
145°	1345	2209	1345	2209	1345	843
155°	1520	1903	1520	1903	1520	699
165°	1640	1772	1640	1772	1640	463
175°	1706	1717	1706	1717	1706	162
180°	1706	1706	1706	1706	1706	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8
2.5°	3310.7	3310.7	3329.3	3335.5	3335.5	3326.3	3316.9	3326.3	3354.2	3363.5	3360.4
5°	3298.3	3323.2	3357.3	3363.5	3369.7	3366.7	3360.4	3366.7	3397.7	3403.9	3407.0
7.5°	3273.4	3320.0	3363.5	3372.8	3382.2	3372.8	3369.7	3375.9	3407.0	3413.2	3413.2
10°	3242.4	3307.6	3357.3	3363.5	3372.8	3363.5	3363.5	3375.9	3407.0	3413.2	3416.3
12.5°	3198.9	3288.9	3335.5	3341.8	3354.2	3351.1	3348.0	3360.4	3391.4	3397.7	3397.7
15°	3149.3	3254.8	3298.3	3304.5	3326.3	3320.0	3320.0	3332.4	3366.7	3375.9	3372.8
17.5°	3080.9	3211.3	3261.0	3270.3	3285.9	3282.8	3285.9	3298.3	3329.3	3335.5	3338.7
20°	3003.2	3152.3	3211.3	3220.7	3236.2	3236.2	3236.2	3251.7	3282.8	3295.2	3295.2
22.5°	2897.6	3090.2	3152.3	3158.5	3177.2	3177.2	3183.4	3205.1	3233.0	3236.2	3236.2
25°	2773.5	3021.9	3074.6	3093.3	3111.9	3121.3	3130.6	3143.0	3152.3	3149.3	3152.3
27.5°	2643.0	2934.9	3003.2	3015.6	3040.5	3049.9	3062.3	3065.4	3068.5	3077.8	3071.5
30°	2497.0	2813.8	2916.3	2928.7	2969.1	2975.3	2962.9	2969.1	2984.6	2990.9	2997.0
32.5°	2332.4	2633.7	2826.2	2854.2	2891.5	2872.8	2869.7	2879.0	2903.9	2903.9	2910.1
35°	2108.8	2493.9	2742.3	2767.2	2795.1	2773.5	2785.8	2789.0	2804.5	2813.8	2810.7
37.5°	1863.5	2372.8	2655.4	2674.1	2695.8	2667.8	2686.5	2695.8	2708.2	2702.0	2702.0
40°	1646.1	2183.3	2552.9	2565.3	2584.0	2562.2	2580.8	2587.1	2593.3	2587.1	2584.0
42.5°	1484.6	1975.2	2444.2	2459.7	2447.3	2462.8	2469.1	2481.4	2472.2	2459.7	2459.7
45°	1360.3	1919.4	2326.2	2344.8	2326.2	2351.0	2360.4	2360.4	2332.4	2326.2	2323.1
47.5°	1319.9	1807.5	2208.2	2208.2	2198.9	2229.9	2245.4	2223.7	2195.8	2186.4	2186.4
50°	1316.8	1683.3	2046.6	2034.3	2077.8	2115.0	2099.5	2077.8	2056.0	2021.9	2021.9
52.5°	1195.7	1531.1	1838.6	1885.2	1953.5	1975.2	1950.4	1928.6	1891.4	1875.9	1863.5
55°	1108.8	1372.8	1649.2	1742.3	1813.7	1841.7	1795.1	1773.4	1717.5	1708.2	1702.0
57.5°	1090.1	1142.9	1475.2	1593.2	1680.2	1677.1	1649.2	1608.8	1562.2	1552.8	1549.8
60°	1000.0	826.1	1288.9	1428.7	1518.7	1509.4	1484.6	1447.3	1403.8	1397.6	1391.4
62.5°	906.9	599.4	1077.6	1236.0	1363.4	1360.3	1338.5	1282.7	1251.6	1236.0	1223.7
65°	770.2	503.2	767.1	1028.0	1211.3	1217.4	1170.9	1130.5	1096.3	1077.6	1074.6
67.5°	587.0	409.9	518.7	857.2	1065.3	1059.0	1000.0	981.4	938.0	928.6	910.0
70°	434.8	273.3	360.3	695.7	922.4	906.9	860.2	838.6	798.2	776.5	764.0
72.5°	360.3	220.5	264.0	540.4	776.5	757.8	717.5	692.6	658.4	639.8	627.3
75°	291.9	232.9	201.9	400.7	630.5	618.1	580.8	555.9	527.9	503.2	506.2
77.5°	214.3	217.4	161.5	295.0	500.1	481.4	459.7	428.6	416.2	391.3	391.3
80°	161.5	170.8	121.1	201.9	360.3	360.3	341.7	319.9	298.2	285.8	285.8
82.5°	108.7	108.7	90.0	127.4	245.4	236.0	223.6	217.4	205.0	198.8	198.8
85°	49.6	62.1	55.9	77.6	133.5	139.8	139.8	133.5	130.4	124.3	127.4
87.5°	15.5	28.0	34.1	43.5	68.4	71.4	74.5	74.5	74.5	77.6	77.6
90°	11.5	20.6	29.7	32.0	50.4	74.8	87.0	77.4	58.0	43.5	43.5
92.5°	45.8	123.6	201.5	221.0	310.6	430.2	490.0	429.4	308.3	217.5	208.9
95°	109.9	252.4	394.8	430.4	764.3	1209.4	1432.1	1277.9	969.6	738.4	712.1
97.5°	190.1	315.7	441.4	472.8	1029.6	1771.9	2143.0	2045.5	1850.7	1704.5	1654.7
100°	251.8	365.8	479.8	508.3	1126.1	1949.7	2361.6	2368.8	2383.0	2393.6	2334.2
102.5°	304.5	410.9	517.1	543.7	1170.3	2005.7	2423.4	2547.6	2795.8	2982.0	2931.2
105°	393.8	483.8	573.9	596.4	1203.1	2012.0	2416.6	2694.9	3251.5	3668.9	3641.6
107.5°	485.4	569.3	653.2	674.2	1209.2	1922.6	2279.2	2667.4	3443.8	4026.1	4032.7
110°	547.2	623.0	698.8	717.7	1200.1	1843.2	2164.8	2598.7	3466.7	4117.7	4146.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	607.9	680.1	752.3	770.4	1200.4	1773.8	2060.5	2504.7	3393.0	4059.2	4103.0
115°	699.5	766.1	832.7	849.4	1211.5	1694.3	1935.8	2363.6	3219.4	3861.2	3921.9
117.5°	789.9	850.4	911.0	926.1	1234.0	1644.6	1849.9	2236.1	3008.4	3587.6	3654.9
120°	842.5	899.5	956.5	970.7	1252.4	1627.8	1815.6	2168.4	2874.1	3403.4	3468.7
122.5°	894.0	951.6	1009.0	1023.4	1278.7	1619.1	1789.2	2106.9	2742.4	3219.0	3283.5
125°	973.0	1025.4	1077.8	1091.0	1314.1	1611.7	1760.6	2030.5	2570.3	2975.2	3034.5
127.5°	1037.2	1090.0	1143.0	1156.2	1349.7	1607.6	1736.6	1968.3	2431.8	2779.4	2829.5
130°	1071.5	1128.5	1185.5	1199.7	1375.6	1610.1	1727.4	1933.7	2346.4	2655.8	2702.2
132.5°	1107.0	1164.0	1221.0	1235.2	1396.6	1611.8	1719.4	1904.0	2273.4	2550.5	2591.9
135°	1159.6	1211.5	1263.5	1276.4	1419.5	1610.3	1705.6	1860.4	2169.7	2401.7	2437.4
137.5°	1213.5	1264.9	1316.2	1329.0	1453.8	1620.2	1703.4	1834.2	2095.6	2291.8	2321.0
140°	1258.1	1305.4	1352.7	1364.5	1474.8	1621.8	1695.3	1808.3	2034.3	2203.7	2231.0
142.5°	1292.4	1336.2	1379.9	1390.9	1492.4	1627.7	1695.3	1794.6	1993.0	2141.8	2165.3
145°	1345.1	1383.2	1421.4	1431.0	1515.3	1627.7	1683.9	1765.0	1927.3	2049.1	2066.9
147.5°	1397.7	1434.9	1472.1	1481.3	1548.9	1638.9	1683.9	1747.8	1875.4	1971.2	1986.0
150°	1432.1	1465.7	1499.2	1507.6	1566.3	1644.7	1683.9	1737.8	1845.7	1926.6	1938.5
152.5°	1467.6	1493.0	1518.5	1524.8	1577.9	1648.5	1683.9	1729.9	1822.0	1891.1	1900.1
155°	1520.3	1539.1	1557.9	1562.6	1603.0	1656.9	1683.9	1720.5	1793.8	1848.8	1854.8
157.5°	1559.2	1577.5	1595.8	1600.4	1628.2	1665.3	1683.9	1712.4	1769.4	1812.2	1816.4
160°	1585.5	1599.7	1614.0	1617.5	1639.6	1669.1	1683.9	1708.3	1757.2	1793.8	1796.2
162.5°	1611.8	1622.5	1633.2	1635.9	1651.9	1673.2	1683.9	1704.5	1745.7	1776.7	1779.0
165°	1640.4	1650.0	1659.7	1662.1	1669.4	1679.0	1683.9	1698.7	1728.2	1750.3	1752.7
167.5°	1666.7	1671.3	1675.9	1677.1	1683.1	1691.3	1695.3	1705.0	1724.3	1738.8	1739.9
170°	1683.9	1688.5	1693.1	1694.2	1694.6	1695.1	1695.3	1705.0	1724.3	1738.8	1738.8
172.5°	1693.1	1694.1	1695.1	1695.3	1695.3	1695.3	1695.3	1703.0	1718.2	1729.7	1728.8
175°	1705.6	1705.6	1705.6	1705.6	1702.2	1697.6	1695.3	1700.2	1709.8	1717.1	1717.1
177.5°	1705.6	1705.6	1705.6	1705.6	1703.0	1699.4	1697.6	1701.5	1709.1	1714.8	1713.8
180°	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8
2.5°	3366.7	3357.3	3366.7	3360.4	3363.5	3354.2	3326.3	3316.9	3326.3	3335.5	3335.5
5°	3407.0	3400.8	3407.0	3407.0	3403.9	3397.7	3366.7	3360.4	3366.7	3369.7	3363.5
7.5°	3419.4	3410.1	3419.4	3413.2	3413.2	3407.0	3375.9	3369.7	3372.8	3382.2	3372.8
10°	3419.4	3410.1	3419.4	3416.3	3413.2	3407.0	3375.9	3363.5	3363.5	3372.8	3363.5
12.5°	3403.9	3397.7	3403.9	3397.7	3397.7	3391.4	3360.4	3348.0	3351.1	3354.2	3341.8
15°	3379.0	3369.7	3379.0	3372.8	3375.9	3366.7	3332.4	3320.0	3320.0	3326.3	3304.5
17.5°	3341.8	3329.3	3341.8	3338.7	3335.5	3329.3	3298.3	3285.9	3282.8	3285.9	3270.3
20°	3298.3	3288.9	3298.3	3295.2	3295.2	3282.8	3251.7	3236.2	3236.2	3236.2	3220.7
22.5°	3229.9	3220.7	3229.9	3236.2	3236.2	3233.0	3205.1	3183.4	3177.2	3177.2	3158.5
25°	3152.3	3143.0	3152.3	3152.3	3149.3	3152.3	3143.0	3130.6	3121.3	3111.9	3093.3
27.5°	3077.8	3071.5	3077.8	3071.5	3077.8	3068.5	3065.4	3062.3	3049.9	3040.5	3015.6
30°	3003.2	2997.0	3003.2	2997.0	2990.9	2984.6	2969.1	2962.9	2975.3	2969.1	2928.7
32.5°	2910.1	2903.9	2910.1	2910.1	2903.9	2903.9	2879.0	2869.7	2872.8	2891.5	2854.2
35°	2813.8	2804.5	2813.8	2810.7	2813.8	2804.5	2789.0	2785.8	2773.5	2795.1	2767.2
37.5°	2702.0	2692.7	2702.0	2702.0	2702.0	2708.2	2695.8	2686.5	2667.8	2695.8	2674.1
40°	2587.1	2574.7	2587.1	2584.0	2587.1	2593.3	2587.1	2580.8	2562.2	2584.0	2565.3
42.5°	2456.7	2453.5	2456.7	2459.7	2459.7	2472.2	2481.4	2469.1	2462.8	2447.3	2459.7
45°	2316.9	2310.7	2316.9	2323.1	2326.2	2332.4	2360.4	2360.4	2351.0	2326.2	2344.8
47.5°	2167.8	2152.3	2167.8	2186.4	2186.4	2195.8	2223.7	2245.4	2229.9	2198.9	2208.2
50°	2009.4	2012.5	2009.4	2021.9	2021.9	2056.0	2077.8	2099.5	2115.0	2077.8	2034.3
52.5°	1854.1	1851.0	1854.1	1863.5	1875.9	1891.4	1928.6	1950.4	1975.2	1953.5	1885.2
55°	1698.8	1705.1	1698.8	1702.0	1708.2	1717.5	1773.4	1795.1	1841.7	1813.7	1742.3
57.5°	1543.6	1534.2	1543.6	1549.8	1552.8	1562.2	1608.8	1649.2	1677.1	1680.2	1593.2
60°	1363.4	1351.0	1363.4	1391.4	1397.6	1403.8	1447.3	1484.6	1509.4	1518.7	1428.7
62.5°	1205.0	1183.3	1205.0	1223.7	1236.0	1251.6	1282.7	1338.5	1360.3	1363.4	1236.0
65°	1037.3	1028.0	1037.3	1074.6	1077.6	1096.3	1130.5	1170.9	1217.4	1211.3	1028.0
67.5°	885.1	885.1	885.1	910.0	928.6	938.0	981.4	1000.0	1059.0	1065.3	857.2
70°	745.4	742.2	745.4	764.0	776.5	798.2	838.6	860.2	906.9	922.4	695.7
72.5°	611.8	608.7	611.8	627.3	639.8	658.4	692.6	717.5	757.8	776.5	540.4
75°	493.8	487.6	493.8	506.2	503.2	527.9	555.9	580.8	618.1	630.5	400.7
77.5°	378.9	378.9	378.9	391.3	391.3	416.2	428.6	459.7	481.4	500.1	295.0
80°	282.7	279.5	282.7	285.8	285.8	298.2	319.9	341.7	360.3	360.3	201.9
82.5°	198.8	192.5	198.8	198.8	198.8	205.0	217.4	223.6	236.0	245.4	127.4
85°	124.3	124.3	124.3	127.4	124.3	130.4	133.5	139.8	139.8	133.5	77.6
87.5°	80.8	77.6	80.8	77.6	77.6	74.5	74.5	74.5	71.4	68.4	43.5
90°	43.5	43.5	43.5	43.5	43.5	58.0	77.4	87.0	74.8	50.4	32.0
92.5°	174.3	139.7	174.3	208.9	217.5	308.3	429.4	490.0	430.2	310.6	221.0
95°	607.3	502.5	607.3	712.1	738.4	969.6	1277.9	1432.1	1209.4	764.3	430.4
97.5°	1455.2	1255.8	1455.2	1654.7	1704.5	1850.7	2045.5	2143.0	1771.9	1029.6	472.8
100°	2096.7	1859.1	2096.7	2334.2	2393.6	2383.0	2368.8	2361.6	1949.7	1126.1	508.3
102.5°	2727.7	2524.2	2727.7	2931.2	2982.0	2795.8	2547.6	2423.4	2005.7	1170.3	543.7
105°	3532.2	3422.8	3532.2	3641.6	3668.9	3251.5	2694.9	2416.6	2012.0	1203.1	596.4
107.5°	4059.1	4085.6	4059.1	4032.7	4026.1	3443.8	2667.4	2279.2	1922.6	1209.2	674.2
110°	4260.1	4374.1	4260.1	4146.1	4117.7	3466.7	2598.7	2164.8	1843.2	1200.1	717.7



TEST NUMBER: P936168

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4278.0	4453.0	4278.0	4103.0	4059.2	3393.0	2504.7	2060.5	1773.8	1200.4	770.4
115°	4164.6	4407.2	4164.6	3921.9	3861.2	3219.4	2363.6	1935.8	1694.3	1211.5	849.4
117.5°	3924.1	4193.2	3924.1	3654.9	3587.6	3008.4	2236.1	1849.9	1644.6	1234.0	926.1
120°	3730.2	3991.7	3730.2	3468.7	3403.4	2874.1	2168.4	1815.6	1627.8	1252.4	970.7
122.5°	3541.5	3799.4	3541.5	3283.5	3219.0	2742.4	2106.9	1789.2	1619.1	1278.7	1023.4
125°	3272.2	3509.8	3272.2	3034.5	2975.2	2570.3	2030.5	1760.6	1611.7	1314.1	1091.0
127.5°	3030.0	3230.5	3030.0	2829.5	2779.4	2431.8	1968.3	1736.6	1607.6	1349.7	1156.2
130°	2887.3	3072.5	2887.3	2702.2	2655.8	2346.4	1933.7	1727.4	1610.1	1375.6	1199.7
132.5°	2757.8	2923.7	2757.8	2591.9	2550.5	2273.4	1904.0	1719.4	1611.8	1396.6	1235.2
135°	2580.4	2723.4	2580.4	2437.4	2401.7	2169.7	1860.4	1705.6	1610.3	1419.5	1276.4
137.5°	2438.0	2555.0	2438.0	2321.0	2291.8	2095.6	1834.2	1703.4	1620.2	1453.8	1329.0
140°	2340.4	2449.8	2340.4	2231.0	2203.7	2034.3	1808.3	1695.3	1621.8	1474.8	1364.5
142.5°	2259.5	2353.6	2259.5	2165.3	2141.8	1993.0	1794.6	1695.3	1627.7	1492.4	1390.9
145°	2138.1	2209.4	2138.1	2066.9	2049.1	1927.3	1765.0	1683.9	1627.7	1515.3	1431.0
147.5°	2045.0	2104.0	2045.0	1986.0	1971.2	1875.4	1747.8	1683.9	1638.9	1548.9	1481.3
150°	1986.4	2034.3	1986.4	1938.5	1926.6	1845.7	1737.8	1683.9	1644.7	1566.3	1507.6
152.5°	1936.2	1972.4	1936.2	1900.1	1891.1	1822.0	1729.9	1683.9	1648.5	1577.9	1524.8
155°	1878.7	1902.6	1878.7	1854.8	1848.8	1793.8	1720.5	1683.9	1656.9	1603.0	1562.6
157.5°	1833.1	1849.9	1833.1	1816.4	1812.2	1769.4	1712.4	1683.9	1665.3	1628.2	1600.4
160°	1805.9	1815.6	1805.9	1796.2	1793.8	1757.2	1708.3	1683.9	1669.1	1639.6	1617.5
162.5°	1788.0	1797.2	1788.0	1779.0	1776.7	1745.7	1704.5	1683.9	1673.2	1651.9	1635.9
165°	1762.4	1772.1	1762.4	1752.7	1750.3	1728.2	1698.7	1683.9	1679.0	1669.4	1662.1
167.5°	1744.0	1748.0	1744.0	1739.9	1738.8	1724.3	1705.0	1695.3	1691.3	1683.1	1677.1
170°	1738.8	1738.8	1738.8	1738.8	1738.8	1724.3	1705.0	1695.3	1695.1	1694.6	1694.2
172.5°	1725.3	1721.7	1725.3	1728.8	1729.7	1718.2	1703.0	1695.3	1695.3	1695.3	1695.3
175°	1717.1	1717.1	1717.1	1717.1	1717.1	1709.8	1700.2	1695.3	1697.6	1702.2	1705.6
177.5°	1709.7	1705.6	1709.7	1713.8	1714.8	1709.1	1701.5	1697.6	1699.4	1703.0	1705.6
180°	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8
2.5°	3329.3	3310.7	3310.7	3279.7	3267.3	3257.9	3242.4	3195.8	3183.4	3170.9	3189.6
5°	3357.3	3323.2	3298.3	3242.4	3195.8	3177.2	3118.1	3006.4	2931.9	2875.9	2844.9
7.5°	3363.5	3320.0	3273.4	3186.5	3074.6	3025.0	2844.9	2639.8	2584.0	2534.3	2503.2
10°	3357.3	3307.6	3242.4	3111.9	2848.0	2761.0	2580.8	2447.3	2413.2	2403.8	2413.2
12.5°	3335.5	3288.9	3198.9	2981.5	2611.9	2552.9	2447.3	2369.7	2363.4	2379.0	2462.8
15°	3298.3	3254.8	3149.3	2807.6	2481.4	2438.0	2363.4	2335.5	2369.7	2478.4	2730.0
17.5°	3261.0	3211.3	3080.9	2636.8	2382.1	2351.0	2298.3	2354.2	2546.7	2692.7	2776.5
20°	3211.3	3152.3	3003.2	2512.6	2310.7	2282.7	2257.9	2509.4	2655.4	2708.2	2754.8
22.5°	3152.3	3090.2	2897.6	2425.6	2236.1	2214.4	2229.9	2596.4	2655.4	2692.7	2733.1
25°	3074.6	3021.9	2773.5	2357.3	2177.1	2152.3	2211.3	2587.1	2621.2	2630.6	2711.3
27.5°	3003.2	2934.9	2643.0	2295.2	2105.7	2096.4	2226.8	2546.7	2571.6	2580.8	2667.8
30°	2916.3	2813.8	2497.0	2229.9	2031.1	2028.0	2229.9	2497.0	2490.8	2515.7	2602.6
32.5°	2826.2	2633.7	2332.4	2149.1	1959.7	1956.6	2208.2	2422.4	2416.3	2450.4	2515.7
35°	2742.3	2493.9	2108.8	2056.0	1869.6	1872.7	2155.4	2335.5	2338.7	2369.7	2410.1
37.5°	2655.4	2372.8	1863.5	1953.5	1782.7	1782.7	2083.9	2254.8	2248.5	2257.9	2313.8
40°	2552.9	2183.3	1646.1	1820.0	1702.0	1692.6	1997.0	2167.8	2146.0	2143.0	2220.6
42.5°	2444.2	1975.2	1484.6	1642.9	1608.8	1596.3	1891.4	2062.2	2021.9	2031.1	2130.5
45°	2326.2	1919.4	1360.3	1388.3	1512.5	1503.2	1776.5	1941.1	1913.1	1938.0	2040.5
47.5°	2208.2	1807.5	1319.9	1152.3	1410.0	1406.9	1649.2	1823.1	1807.5	1832.4	1941.1
50°	2046.6	1683.3	1316.8	987.6	1295.1	1307.5	1496.9	1708.2	1708.2	1729.9	1844.8
52.5°	1838.6	1531.1	1195.7	894.5	1161.5	1198.8	1363.4	1608.8	1615.0	1636.7	1739.2
55°	1649.2	1372.8	1108.8	823.0	1003.1	1083.9	1233.0	1506.3	1518.7	1540.4	1633.6
57.5°	1475.2	1142.9	1090.1	739.2	857.2	934.9	1118.0	1406.9	1413.1	1431.8	1521.8
60°	1288.9	826.1	1000.0	649.1	729.8	788.9	1012.5	1288.9	1310.7	1323.0	1400.7
62.5°	1077.6	599.4	906.9	587.0	667.7	680.2	925.5	1177.0	1205.0	1214.4	1260.9
65°	767.1	503.2	770.2	534.2	602.5	605.6	832.3	1062.1	1087.0	1102.5	1136.7
67.5°	518.7	409.9	587.0	484.5	552.8	555.9	742.2	928.6	962.8	975.2	997.0
70°	360.3	273.3	434.8	431.7	496.9	503.2	646.0	807.5	838.6	847.9	860.2
72.5°	264.0	220.5	360.3	388.2	437.9	444.2	546.6	670.8	701.9	711.2	717.5
75°	201.9	232.9	291.9	338.5	372.7	375.8	447.2	546.6	568.3	574.6	577.7
77.5°	161.5	217.4	214.3	273.3	304.4	298.2	350.9	422.4	441.0	441.0	441.0
80°	121.1	170.8	161.5	195.7	223.6	217.4	251.5	301.3	307.4	313.7	310.5
82.5°	90.0	108.7	108.7	124.3	149.0	142.9	167.8	195.7	195.7	195.7	201.9
85°	55.9	62.1	49.6	65.2	83.9	80.8	93.1	105.6	108.7	108.7	102.5
87.5°	34.1	28.0	15.5	24.9	37.3	37.3	43.5	46.6	43.5	43.5	43.5
90°	29.7	20.6	11.5	20.6	29.7	32.0	50.4	74.8	87.0	77.4	58.0
92.5°	201.5	123.6	45.8	123.6	201.5	221.0	310.6	430.2	490.0	429.4	308.3
95°	394.8	252.4	109.9	252.4	394.8	430.4	764.3	1209.4	1432.1	1277.9	969.6
97.5°	441.4	315.7	190.1	315.7	441.4	472.8	1029.6	1771.9	2143.0	2045.5	1850.7
100°	479.8	365.8	251.8	365.8	479.8	508.3	1126.1	1949.7	2361.6	2368.8	2383.0
102.5°	517.1	410.9	304.5	410.9	517.1	543.7	1170.3	2005.7	2423.4	2547.6	2795.8
105°	573.9	483.8	393.8	483.8	573.9	596.4	1203.1	2012.0	2416.6	2694.9	3251.5
107.5°	653.2	569.3	485.4	569.3	653.2	674.2	1209.2	1922.6	2279.2	2667.4	3443.8
110°	698.8	623.0	547.2	623.0	698.8	717.7	1200.1	1843.2	2164.8	2598.7	3466.7



TEST NUMBER: P936168

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	752.3	680.1	607.9	680.1	752.3	770.4	1200.4	1773.8	2060.5	2504.7	3393.0
115°	832.7	766.1	699.5	766.1	832.7	849.4	1211.5	1694.3	1935.8	2363.6	3219.4
117.5°	911.0	850.4	789.9	850.4	911.0	926.1	1234.0	1644.6	1849.9	2236.1	3008.4
120°	956.5	899.5	842.5	899.5	956.5	970.7	1252.4	1627.8	1815.6	2168.4	2874.1
122.5°	1009.0	951.6	894.0	951.6	1009.0	1023.4	1278.7	1619.1	1789.2	2106.9	2742.4
125°	1077.8	1025.4	973.0	1025.4	1077.8	1091.0	1314.1	1611.7	1760.6	2030.5	2570.3
127.5°	1143.0	1090.0	1037.2	1090.0	1143.0	1156.2	1349.7	1607.6	1736.6	1968.3	2431.8
130°	1185.5	1128.5	1071.5	1128.5	1185.5	1199.7	1375.6	1610.1	1727.4	1933.7	2346.4
132.5°	1221.0	1164.0	1107.0	1164.0	1221.0	1235.2	1396.6	1611.8	1719.4	1904.0	2273.4
135°	1263.5	1211.5	1159.6	1211.5	1263.5	1276.4	1419.5	1610.3	1705.6	1860.4	2169.7
137.5°	1316.2	1264.9	1213.5	1264.9	1316.2	1329.0	1453.8	1620.2	1703.4	1834.2	2095.6
140°	1352.7	1305.4	1258.1	1305.4	1352.7	1364.5	1474.8	1621.8	1695.3	1808.3	2034.3
142.5°	1379.9	1336.2	1292.4	1336.2	1379.9	1390.9	1492.4	1627.7	1695.3	1794.6	1993.0
145°	1421.4	1383.2	1345.1	1383.2	1421.4	1431.0	1515.3	1627.7	1683.9	1765.0	1927.3
147.5°	1472.1	1434.9	1397.7	1434.9	1472.1	1481.3	1548.9	1638.9	1683.9	1747.8	1875.4
150°	1499.2	1465.7	1432.1	1465.7	1499.2	1507.6	1566.3	1644.7	1683.9	1737.8	1845.7
152.5°	1518.5	1493.0	1467.6	1493.0	1518.5	1524.8	1577.9	1648.5	1683.9	1729.9	1822.0
155°	1557.9	1539.1	1520.3	1539.1	1557.9	1562.6	1603.0	1656.9	1683.9	1720.5	1793.8
157.5°	1595.8	1577.5	1559.2	1577.5	1595.8	1600.4	1628.2	1665.3	1683.9	1712.4	1769.4
160°	1614.0	1599.7	1585.5	1599.7	1614.0	1617.5	1639.6	1669.1	1683.9	1708.3	1757.2
162.5°	1633.2	1622.5	1611.8	1622.5	1633.2	1635.9	1651.9	1673.2	1683.9	1704.5	1745.7
165°	1659.7	1650.0	1640.4	1650.0	1659.7	1662.1	1669.4	1679.0	1683.9	1698.7	1728.2
167.5°	1675.9	1671.3	1666.7	1671.3	1675.9	1677.1	1683.1	1691.3	1695.3	1705.0	1724.3
170°	1693.1	1688.5	1683.9	1688.5	1693.1	1694.2	1694.6	1695.1	1695.3	1705.0	1724.3
172.5°	1695.1	1694.1	1693.1	1694.1	1695.1	1695.3	1695.3	1695.3	1695.3	1703.0	1718.2
175°	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1702.2	1697.6	1695.3	1700.2	1709.8
177.5°	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1703.0	1699.4	1697.6	1701.5	1709.1
180°	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8
2.5°	3167.9	3158.5	3170.9	3136.8	3170.9	3158.5	3167.9	3189.6	3170.9	3183.4	3195.8
5°	2779.6	2764.1	2714.5	2674.1	2714.5	2764.1	2779.6	2844.9	2875.9	2931.9	3006.4
7.5°	2484.6	2472.2	2459.7	2434.9	2459.7	2472.2	2484.6	2503.2	2534.3	2584.0	2639.8
10°	2419.4	2422.4	2441.1	2438.0	2441.1	2422.4	2419.4	2413.2	2403.8	2413.2	2447.3
12.5°	2587.1	2615.1	2717.5	2711.3	2717.5	2615.1	2587.1	2462.8	2379.0	2363.4	2369.7
15°	2779.6	2789.0	2810.7	2813.8	2810.7	2789.0	2779.6	2730.0	2478.4	2369.7	2335.5
17.5°	2798.2	2801.4	2816.9	2816.9	2816.9	2801.4	2798.2	2776.5	2692.7	2546.7	2354.2
20°	2782.7	2789.0	2820.0	2826.2	2820.0	2789.0	2782.7	2754.8	2708.2	2655.4	2509.4
22.5°	2776.5	2789.0	2813.8	2810.7	2813.8	2789.0	2776.5	2733.1	2692.7	2655.4	2596.4
25°	2745.5	2745.5	2748.6	2751.7	2748.6	2745.5	2745.5	2711.3	2630.6	2621.2	2587.1
27.5°	2680.2	2686.5	2705.1	2702.0	2705.1	2686.5	2680.2	2667.8	2580.8	2571.6	2546.7
30°	2621.2	2615.1	2599.5	2587.1	2599.5	2615.1	2621.2	2602.6	2515.7	2490.8	2497.0
32.5°	2521.8	2506.3	2490.8	2481.4	2490.8	2506.3	2521.8	2515.7	2450.4	2416.3	2422.4
35°	2403.8	2406.9	2403.8	2394.5	2403.8	2406.9	2403.8	2410.1	2369.7	2338.7	2335.5
37.5°	2320.0	2326.2	2323.1	2310.7	2323.1	2326.2	2320.0	2313.8	2257.9	2248.5	2254.8
40°	2233.0	2236.1	2233.0	2223.7	2233.0	2236.1	2233.0	2220.6	2143.0	2146.0	2167.8
42.5°	2149.1	2146.0	2136.8	2130.5	2136.8	2146.0	2149.1	2130.5	2031.1	2021.9	2062.2
45°	2052.9	2056.0	2037.4	2028.0	2037.4	2056.0	2052.9	2040.5	1938.0	1913.1	1941.1
47.5°	1956.6	1956.6	1941.1	1931.7	1941.1	1956.6	1956.6	1941.1	1832.4	1807.5	1823.1
50°	1854.1	1851.0	1829.2	1826.2	1829.2	1851.0	1854.1	1844.8	1729.9	1708.2	1708.2
52.5°	1736.1	1736.1	1739.2	1745.5	1739.2	1736.1	1736.1	1739.2	1636.7	1615.0	1608.8
55°	1633.6	1636.7	1658.5	1664.7	1658.5	1636.7	1633.6	1633.6	1540.4	1518.7	1506.3
57.5°	1528.1	1528.1	1543.6	1543.6	1543.6	1528.1	1528.1	1521.8	1431.8	1413.1	1406.9
60°	1406.9	1413.1	1425.5	1422.4	1425.5	1413.1	1406.9	1400.7	1323.0	1310.7	1288.9
62.5°	1279.5	1285.8	1288.9	1282.7	1288.9	1285.8	1279.5	1260.9	1214.4	1205.0	1177.0
65°	1146.0	1152.3	1155.4	1149.1	1155.4	1152.3	1146.0	1136.7	1102.5	1087.0	1062.1
67.5°	1009.4	1006.3	1003.1	1015.6	1003.1	1006.3	1009.4	997.0	975.2	962.8	928.6
70°	869.6	869.6	866.5	872.7	866.5	869.6	869.6	860.2	847.9	838.6	807.5
72.5°	720.6	717.5	729.8	720.6	729.8	717.5	720.6	717.5	711.2	701.9	670.8
75°	574.6	580.8	574.6	583.8	574.6	580.8	574.6	577.7	574.6	568.3	546.6
77.5°	437.9	444.2	437.9	437.9	437.9	444.2	437.9	441.0	441.0	441.0	422.4
80°	310.5	307.4	307.4	304.4	307.4	307.4	310.5	310.5	313.7	307.4	301.3
82.5°	198.8	195.7	195.7	201.9	195.7	195.7	198.8	201.9	195.7	195.7	195.7
85°	108.7	111.8	105.6	105.6	105.6	111.8	108.7	102.5	108.7	108.7	105.6
87.5°	40.4	37.3	37.3	37.3	37.3	37.3	40.4	43.5	43.5	43.5	46.6
90°	43.5	43.5	43.5	43.5	43.5	43.5	43.5	58.0	77.4	87.0	74.8
92.5°	217.5	208.9	174.3	139.7	174.3	208.9	217.5	308.3	429.4	490.0	430.2
95°	738.4	712.1	607.3	502.5	607.3	712.1	738.4	969.6	1277.9	1432.1	1209.4
97.5°	1704.5	1654.7	1455.2	1255.8	1455.2	1654.7	1704.5	1850.7	2045.5	2143.0	1771.9
100°	2393.6	2334.2	2096.7	1859.1	2096.7	2334.2	2393.6	2383.0	2368.8	2361.6	1949.7
102.5°	2982.0	2931.2	2727.7	2524.2	2727.7	2931.2	2982.0	2795.8	2547.6	2423.4	2005.7
105°	3668.9	3641.6	3532.2	3422.8	3532.2	3641.6	3668.9	3251.5	2694.9	2416.6	2012.0
107.5°	4026.1	4032.7	4059.1	4085.6	4059.1	4032.7	4026.1	3443.8	2667.4	2279.2	1922.6
110°	4117.7	4146.1	4260.1	4374.1	4260.1	4146.1	4117.7	3466.7	2598.7	2164.8	1843.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4059.2	4103.0	4278.0	4453.0	4278.0	4103.0	4059.2	3393.0	2504.7	2060.5	1773.8
115°	3861.2	3921.9	4164.6	4407.2	4164.6	3921.9	3861.2	3219.4	2363.6	1935.8	1694.3
117.5°	3587.6	3654.9	3924.1	4193.2	3924.1	3654.9	3587.6	3008.4	2236.1	1849.9	1644.6
120°	3403.4	3468.7	3730.2	3991.7	3730.2	3468.7	3403.4	2874.1	2168.4	1815.6	1627.8
122.5°	3219.0	3283.5	3541.5	3799.4	3541.5	3283.5	3219.0	2742.4	2106.9	1789.2	1619.1
125°	2975.2	3034.5	3272.2	3509.8	3272.2	3034.5	2975.2	2570.3	2030.5	1760.6	1611.7
127.5°	2779.4	2829.5	3030.0	3230.5	3030.0	2829.5	2779.4	2431.8	1968.3	1736.6	1607.6
130°	2655.8	2702.2	2887.3	3072.5	2887.3	2702.2	2655.8	2346.4	1933.7	1727.4	1610.1
132.5°	2550.5	2591.9	2757.8	2923.7	2757.8	2591.9	2550.5	2273.4	1904.0	1719.4	1611.8
135°	2401.7	2437.4	2580.4	2723.4	2580.4	2437.4	2401.7	2169.7	1860.4	1705.6	1610.3
137.5°	2291.8	2321.0	2438.0	2555.0	2438.0	2321.0	2291.8	2095.6	1834.2	1703.4	1620.2
140°	2203.7	2231.0	2340.4	2449.8	2340.4	2231.0	2203.7	2034.3	1808.3	1695.3	1621.8
142.5°	2141.8	2165.3	2259.5	2353.6	2259.5	2165.3	2141.8	1993.0	1794.6	1695.3	1627.7
145°	2049.1	2066.9	2138.1	2209.4	2138.1	2066.9	2049.1	1927.3	1765.0	1683.9	1627.7
147.5°	1971.2	1986.0	2045.0	2104.0	2045.0	1986.0	1971.2	1875.4	1747.8	1683.9	1638.9
150°	1926.6	1938.5	1986.4	2034.3	1986.4	1938.5	1926.6	1845.7	1737.8	1683.9	1644.7
152.5°	1891.1	1900.1	1936.2	1972.4	1936.2	1900.1	1891.1	1822.0	1729.9	1683.9	1648.5
155°	1848.8	1854.8	1878.7	1902.6	1878.7	1854.8	1848.8	1793.8	1720.5	1683.9	1656.9
157.5°	1812.2	1816.4	1833.1	1849.9	1833.1	1816.4	1812.2	1769.4	1712.4	1683.9	1665.3
160°	1793.8	1796.2	1805.9	1815.6	1805.9	1796.2	1793.8	1757.2	1708.3	1683.9	1669.1
162.5°	1776.7	1779.0	1788.0	1797.2	1788.0	1779.0	1776.7	1745.7	1704.5	1683.9	1673.2
165°	1750.3	1752.7	1762.4	1772.1	1762.4	1752.7	1750.3	1728.2	1698.7	1683.9	1679.0
167.5°	1738.8	1739.9	1744.0	1748.0	1744.0	1739.9	1738.8	1724.3	1705.0	1695.3	1691.3
170°	1738.8	1738.8	1738.8	1738.8	1738.8	1738.8	1738.8	1724.3	1705.0	1695.3	1695.1
172.5°	1729.7	1728.8	1725.3	1721.7	1725.3	1728.8	1729.7	1718.2	1703.0	1695.3	1695.3
175°	1717.1	1717.1	1717.1	1717.1	1717.1	1717.1	1717.1	1709.8	1700.2	1695.3	1697.6
177.5°	1714.8	1713.8	1709.7	1705.6	1709.7	1713.8	1714.8	1709.1	1701.5	1697.6	1699.4
180°	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6



TEST NUMBER: P936168

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3282.8	3282.8	3282.8	3282.8	3282.8
2.5°	3242.4	3257.9	3267.3	3279.7	3310.7
5°	3118.1	3177.2	3195.8	3242.4	3298.3
7.5°	2844.9	3025.0	3074.6	3186.5	3273.4
10°	2580.8	2761.0	2848.0	3111.9	3242.4
12.5°	2447.3	2552.9	2611.9	2981.5	3198.9
15°	2363.4	2438.0	2481.4	2807.6	3149.3
17.5°	2298.3	2351.0	2382.1	2636.8	3080.9
20°	2257.9	2282.7	2310.7	2512.6	3003.2
22.5°	2229.9	2214.4	2236.1	2425.6	2897.6
25°	2211.3	2152.3	2177.1	2357.3	2773.5
27.5°	2226.8	2096.4	2105.7	2295.2	2643.0
30°	2229.9	2028.0	2031.1	2229.9	2497.0
32.5°	2208.2	1956.6	1959.7	2149.1	2332.4
35°	2155.4	1872.7	1869.6	2056.0	2108.8
37.5°	2083.9	1782.7	1782.7	1953.5	1863.5
40°	1997.0	1692.6	1702.0	1820.0	1646.1
42.5°	1891.4	1596.3	1608.8	1642.9	1484.6
45°	1776.5	1503.2	1512.5	1388.3	1360.3
47.5°	1649.2	1406.9	1410.0	1152.3	1319.9
50°	1496.9	1307.5	1295.1	987.6	1316.8
52.5°	1363.4	1198.8	1161.5	894.5	1195.7
55°	1233.0	1083.9	1003.1	823.0	1108.8
57.5°	1118.0	934.9	857.2	739.2	1090.1
60°	1012.5	788.9	729.8	649.1	1000.0
62.5°	925.5	680.2	667.7	587.0	906.9
65°	832.3	605.6	602.5	534.2	770.2
67.5°	742.2	555.9	552.8	484.5	587.0
70°	646.0	503.2	496.9	431.7	434.8
72.5°	546.6	444.2	437.9	388.2	360.3
75°	447.2	375.8	372.7	338.5	291.9
77.5°	350.9	298.2	304.4	273.3	214.3
80°	251.5	217.4	223.6	195.7	161.5
82.5°	167.8	142.9	149.0	124.3	108.7
85°	93.1	80.8	83.9	65.2	49.6
87.5°	43.5	37.3	37.3	24.9	15.5
90°	50.4	32.0	29.7	20.6	11.5
92.5°	310.6	221.0	201.5	123.6	45.8
95°	764.3	430.4	394.8	252.4	109.9
97.5°	1029.6	472.8	441.4	315.7	190.1
100°	1126.1	508.3	479.8	365.8	251.8
102.5°	1170.3	543.7	517.1	410.9	304.5
105°	1203.1	596.4	573.9	483.8	393.8
107.5°	1209.2	674.2	653.2	569.3	485.4
110°	1200.1	717.7	698.8	623.0	547.2



TEST NUMBER: P936168

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1200.4	770.4	752.3	680.1	607.9
115°	1211.5	849.4	832.7	766.1	699.5
117.5°	1234.0	926.1	911.0	850.4	789.9
120°	1252.4	970.7	956.5	899.5	842.5
122.5°	1278.7	1023.4	1009.0	951.6	894.0
125°	1314.1	1091.0	1077.8	1025.4	973.0
127.5°	1349.7	1156.2	1143.0	1090.0	1037.2
130°	1375.6	1199.7	1185.5	1128.5	1071.5
132.5°	1396.6	1235.2	1221.0	1164.0	1107.0
135°	1419.5	1276.4	1263.5	1211.5	1159.6
137.5°	1453.8	1329.0	1316.2	1264.9	1213.5
140°	1474.8	1364.5	1352.7	1305.4	1258.1
142.5°	1492.4	1390.9	1379.9	1336.2	1292.4
145°	1515.3	1431.0	1421.4	1383.2	1345.1
147.5°	1548.9	1481.3	1472.1	1434.9	1397.7
150°	1566.3	1507.6	1499.2	1465.7	1432.1
152.5°	1577.9	1524.8	1518.5	1493.0	1467.6
155°	1603.0	1562.6	1557.9	1539.1	1520.3
157.5°	1628.2	1600.4	1595.8	1577.5	1559.2
160°	1639.6	1617.5	1614.0	1599.7	1585.5
162.5°	1651.9	1635.9	1633.2	1622.5	1611.8
165°	1669.4	1662.1	1659.7	1650.0	1640.4
167.5°	1683.1	1677.1	1675.9	1671.3	1666.7
170°	1694.6	1694.2	1693.1	1688.5	1683.9
172.5°	1695.3	1695.3	1695.1	1694.1	1693.1
175°	1702.2	1705.6	1705.6	1705.6	1705.6
177.5°	1703.0	1705.6	1705.6	1705.6	1705.6
180°	1705.6	1705.6	1705.6	1705.6	1705.6



TEST NUMBER: P936168
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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	13.64	14.44	14.65	15.47	16.83	16.48	17.28	17.49	18.30	19.66
	3H	14.11	14.83	15.13	15.86	17.24	17.82	18.54	18.84	19.57	20.95
	4H	14.30	14.98	15.33	16.02	17.40	18.26	18.95	19.30	19.98	21.37
	6H	14.42	15.05	15.46	16.08	17.48	18.55	19.18	19.59	20.21	21.61
	8H	14.42	15.01	15.46	16.07	17.46	18.62	19.22	19.67	20.27	21.67
	12H	14.38	14.95	15.44	16.00	17.42	18.66	19.23	19.71	20.27	21.70
4H	2H	14.67	15.35	15.71	16.38	17.77	16.88	17.56	17.92	18.59	19.98
	3H	15.69	16.26	16.74	17.32	18.72	18.38	18.95	19.43	20.01	21.41
	4H	15.96	16.48	17.02	17.54	18.96	18.91	19.43	19.96	20.48	21.91
	6H	16.08	16.53	17.15	17.61	19.03	19.27	19.72	20.34	20.80	22.22
	8H	16.09	16.51	17.15	17.57	19.01	19.38	19.80	20.44	20.87	22.30
	12H	16.05	16.43	17.14	17.51	18.95	19.43	19.81	20.52	20.89	22.33
8H	4H	16.41	16.83	17.48	17.90	19.33	19.03	19.45	20.09	20.51	21.95
	6H	16.67	17.02	17.76	18.13	19.56	19.46	19.81	20.55	20.92	22.35
	8H	16.71	17.02	17.81	18.11	19.56	19.62	19.92	20.71	21.01	22.46
	12H	16.69	16.96	17.79	18.05	19.54	19.71	19.98	20.81	21.07	22.56
12H	4H	16.42	16.79	17.50	17.88	19.32	18.99	19.37	20.07	20.45	21.89
	6H	16.73	17.04	17.83	18.13	19.58	19.46	19.77	20.56	20.86	22.31
	8H	16.80	17.06	17.90	18.15	19.64	19.62	19.89	20.72	20.98	22.47