

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: P935694

Luminaire Tested: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-8-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935694
REPORT IS A COMBINATION OF REPORTS P933764 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-8-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

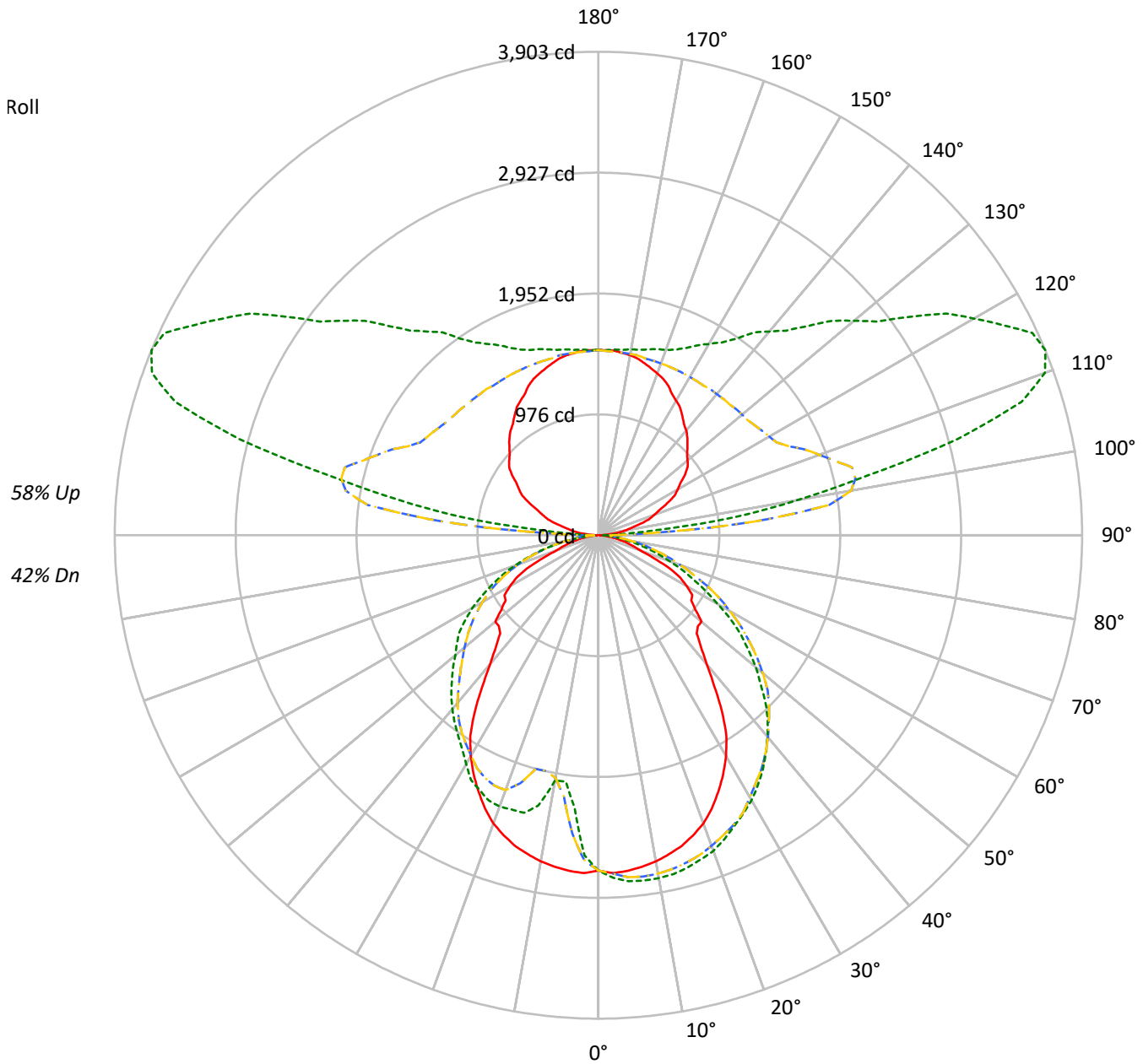
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16715.2 lumens
Efficiency: N/A
Efficacy: 129.8 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): 128.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	42
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	35
2	87	80	74	69	80	73	68	64	61	57	54	49	46	44	38	36	35	30
3	80	70	63	57	72	65	58	53	53	49	45	43	40	37	34	31	30	25
4	73	62	54	49	66	57	50	45	47	42	38	38	35	32	30	28	25	22
5	67	55	47	41	61	51	44	39	42	37	33	34	31	27	27	24	22	19
6	62	50	42	36	56	46	39	33	38	33	29	31	27	24	24	22	19	16
7	57	45	37	31	52	41	34	29	34	29	25	28	24	21	22	19	17	15
8	53	40	33	28	48	37	31	26	31	26	22	26	22	19	20	18	15	13
9	49	37	30	25	45	34	27	23	29	24	20	24	20	17	19	16	14	12
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12557	12557	12557	12557
5°	12651	12676	12651	9967
10°	12566	12486	12566	8927
15°	12430	12216	12430	10201
20°	12170	11895	12170	10222
25°	11637	11428	11637	10005
30°	10950	11040	10950	9530
35°	9762	10549	9762	9007
40°	8134	9971	8134	8612
45°	7268	9295	7268	8158
50°	7722	8488	7722	7702
55°	7265	7619	7265	7439
60°	7489	6471	7489	6813
65°	6789	5349	6789	5979
70°	4700	4263	4700	5012
75°	4122	3151	4122	3773
80°	3321	2083	3321	2269
85°	1910	1103	1910	937

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11139 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.3	1.5
10°-20°	693.7	4.1
20°-30°	1072.3	6.4
30°-40°	1280.1	7.7
40°-50°	1287.6	7.7
50°-60°	1120.3	6.7
60°-70°	794.3	4.8
70°-80°	420.3	2.5
80°-90°	110.4	0.7
90°-100°	728.8	4.4
100°-110°	1916.0	11.5
110°-120°	1986.7	11.9
120°-130°	1593.6	9.5
130°-140°	1250.4	7.5
140°-150°	959.7	5.7
150°-160°	691.2	4.1
160°-170°	422.9	2.5
170°-180°	142.9	0.9
0°-30°	2010.3	12.0
0°-40°	3290.3	19.7
0°-60°	5698.2	34.1
0°-90°	7023.2	42.0
90°-120°	4631.5	27.7
90°-150°	8435.1	50.5
90°-180°	9692.0	58.0
0°-180°	16715.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2706	2706	2706	2706	2706	
5°	2719	2804	2719	2205	2719	258
15°	2596	2778	2596	2320	2596	731
25°	2286	2591	2286	2269	2286	1050
35°	1739	2312	1739	1974	1739	1076
45°	1122	1905	1122	1672	1122	898
55°	914	1406	914	1372	914	840
65°	635	848	635	947	635	607
75°	241	402	241	481	241	253
85°	41	102	41	87	41	55
90°	10	38	10	38	10	10
95°	96	440	96	440	96	107
105°	345	3000	345	3000	345	366
115°	613	3863	613	3863	613	606
125°	853	3076	853	3076	853	757
135°	1016	2387	1016	2387	1016	786
145°	1179	1936	1179	1936	1179	739
155°	1333	1668	1333	1668	1333	612
165°	1438	1553	1438	1553	1438	406
175°	1495	1505	1495	1505	1495	142
180°	1495	1495	1495	1495	1495	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5
2.5°	2729.6	2729.6	2744.9	2750.0	2750.0	2742.4	2734.7	2742.4	2765.4	2773.1	2770.6
5°	2719.3	2739.8	2767.9	2773.1	2778.2	2775.6	2770.6	2775.6	2801.3	2806.4	2808.9
7.5°	2698.9	2737.2	2773.1	2780.7	2788.5	2780.7	2778.2	2783.4	2808.9	2814.1	2814.1
10°	2673.2	2727.0	2767.9	2773.1	2780.7	2773.1	2773.1	2783.4	2808.9	2814.1	2816.6
12.5°	2637.3	2711.6	2750.0	2755.2	2765.4	2762.8	2760.3	2770.6	2796.1	2801.3	2801.3
15°	2596.4	2683.5	2719.3	2724.4	2742.4	2737.2	2737.2	2747.5	2775.6	2783.4	2780.7
17.5°	2540.0	2647.6	2688.6	2696.2	2709.0	2706.5	2709.0	2719.3	2744.9	2750.0	2752.6
20°	2476.1	2599.0	2647.6	2655.3	2668.1	2668.1	2668.1	2680.9	2706.5	2716.8	2716.8
22.5°	2389.0	2547.8	2599.0	2604.1	2619.4	2619.4	2624.5	2642.5	2665.5	2668.1	2668.1
25°	2286.5	2491.4	2534.9	2550.3	2565.7	2573.4	2581.0	2591.3	2599.0	2596.4	2599.0
27.5°	2179.0	2419.7	2476.1	2486.3	2506.8	2514.5	2524.7	2527.2	2529.9	2537.5	2532.4
30°	2058.6	2319.9	2404.4	2414.7	2447.9	2453.0	2442.8	2447.9	2460.7	2465.8	2471.0
32.5°	1923.0	2171.3	2330.2	2353.1	2383.8	2368.5	2365.9	2373.7	2394.1	2394.1	2399.2
35°	1738.6	2056.1	2261.0	2281.4	2304.5	2286.5	2296.8	2299.3	2312.2	2319.9	2317.3
37.5°	1536.3	1956.2	2189.3	2204.7	2222.6	2199.5	2214.8	2222.6	2232.8	2227.7	2227.7
40°	1357.1	1800.1	2104.8	2115.0	2130.3	2112.4	2127.8	2133.0	2138.1	2133.0	2130.3
42.5°	1223.9	1628.5	2015.1	2027.9	2017.7	2030.5	2035.7	2045.8	2038.2	2027.9	2027.9
45°	1121.5	1582.4	1917.8	1933.3	1917.8	1938.4	1946.0	1946.0	1923.0	1917.8	1915.3
47.5°	1088.3	1490.2	1820.6	1820.6	1812.9	1838.5	1851.3	1833.3	1810.3	1802.6	1802.6
50°	1085.7	1387.8	1687.4	1677.1	1713.0	1743.7	1730.9	1713.0	1695.1	1666.9	1666.9
52.5°	985.9	1262.3	1515.8	1554.3	1610.6	1628.5	1608.1	1590.1	1559.4	1546.6	1536.3
55°	914.2	1131.8	1359.7	1436.4	1495.4	1518.4	1480.0	1462.1	1416.0	1408.3	1403.2
57.5°	898.7	942.3	1216.3	1313.6	1385.3	1382.7	1359.7	1326.4	1288.0	1280.2	1277.7
60°	824.5	681.1	1062.6	1177.8	1252.1	1244.4	1223.9	1193.2	1157.4	1152.2	1147.1
62.5°	747.7	494.2	888.5	1019.1	1124.0	1121.5	1103.6	1057.5	1031.9	1019.1	1008.8
65°	635.0	414.8	632.5	847.6	998.7	1003.7	965.3	932.1	903.9	888.5	886.0
67.5°	483.9	338.0	427.6	706.7	878.3	873.2	824.5	809.1	773.3	765.6	750.2
70°	358.4	225.3	297.0	573.6	760.5	747.7	709.3	691.4	658.0	640.1	629.8
72.5°	297.0	181.8	217.6	445.5	640.1	624.8	591.5	571.0	542.8	527.4	517.3
75°	240.7	192.1	166.5	330.3	519.8	509.6	478.8	458.3	435.3	414.8	417.3
77.5°	176.6	179.3	133.1	243.2	412.2	396.9	379.0	353.4	343.1	322.7	322.7
80°	133.1	140.8	99.9	166.5	297.0	297.0	281.7	263.8	245.8	235.6	235.6
82.5°	89.6	89.6	74.2	104.9	202.3	194.6	184.4	179.3	169.0	163.9	163.9
85°	41.0	51.2	46.1	64.1	110.1	115.2	115.2	110.1	107.6	102.4	104.9
87.5°	12.8	23.1	28.2	35.9	56.3	58.9	61.4	61.4	61.4	64.1	64.1
90°	10.1	18.1	26.1	28.1	44.2	65.6	76.3	67.7	50.8	38.1	38.1
92.5°	40.1	108.3	176.6	193.7	272.3	377.0	429.5	376.4	270.3	190.6	183.0
95°	96.3	221.2	346.1	377.3	670.0	1060.2	1255.2	1120.2	849.9	647.2	624.2
97.5°	166.6	276.7	386.9	414.4	902.4	1553.1	1878.4	1793.0	1622.2	1494.1	1450.4
100°	220.7	320.6	420.5	445.5	987.0	1709.0	2070.1	2076.3	2088.8	2098.2	2046.1
102.5°	266.9	360.1	453.3	476.7	1025.9	1758.2	2124.2	2233.1	2450.7	2613.9	2569.3
105°	345.2	424.1	503.0	522.8	1054.6	1763.7	2118.2	2362.1	2850.0	3215.9	3192.0
107.5°	425.5	499.0	572.6	591.0	1059.9	1685.2	1997.8	2338.1	3018.6	3529.0	3534.8
110°	479.7	546.1	612.6	629.2	1051.9	1615.6	1897.5	2277.9	3038.7	3609.2	3634.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	532.9	596.1	659.5	675.3	1052.2	1554.9	1806.1	2195.5	2974.1	3558.1	3596.4
115°	613.1	671.5	729.9	744.5	1061.9	1485.2	1696.8	2071.8	2821.9	3384.5	3437.7
117.5°	692.4	745.5	798.5	811.7	1081.7	1441.6	1621.5	1960.0	2636.9	3144.7	3203.7
120°	738.5	788.5	838.4	850.9	1097.7	1426.9	1591.4	1900.7	2519.2	2983.2	3040.4
122.5°	783.6	834.0	884.4	897.0	1120.7	1419.1	1568.3	1846.8	2403.9	2821.6	2878.1
125°	852.9	898.8	944.8	956.2	1151.9	1412.8	1543.2	1779.9	2253.0	2607.9	2659.9
127.5°	909.1	955.5	1001.8	1013.5	1183.1	1409.1	1522.2	1725.3	2131.6	2436.3	2480.2
130°	939.2	989.2	1039.1	1051.6	1205.7	1411.3	1514.2	1695.0	2056.7	2327.9	2368.5
132.5°	970.3	1020.3	1070.2	1082.7	1224.1	1412.8	1507.1	1669.0	1992.7	2235.6	2271.9
135°	1016.5	1061.9	1107.5	1118.8	1244.2	1411.4	1495.1	1630.6	1901.8	2105.2	2136.5
137.5°	1063.6	1108.6	1153.7	1164.9	1274.3	1420.2	1493.0	1607.7	1836.9	2008.8	2034.5
140°	1102.7	1144.2	1185.7	1196.0	1292.7	1421.6	1486.1	1585.1	1783.1	1931.6	1955.5
142.5°	1132.9	1171.2	1209.5	1219.1	1308.1	1426.8	1486.1	1573.0	1746.9	1877.3	1898.0
145°	1179.0	1212.4	1245.9	1254.3	1328.2	1426.8	1476.0	1547.1	1689.5	1796.1	1811.7
147.5°	1225.2	1257.8	1290.3	1298.5	1357.7	1436.5	1476.0	1532.0	1643.9	1727.9	1740.8
150°	1255.2	1284.7	1314.2	1321.5	1373.0	1441.7	1476.0	1523.3	1617.8	1688.8	1699.2
152.5°	1286.3	1308.6	1330.9	1336.5	1383.1	1445.0	1476.0	1516.4	1597.1	1657.7	1665.6
155°	1332.6	1349.0	1365.5	1369.7	1405.1	1452.3	1476.0	1508.2	1572.4	1620.6	1625.8
157.5°	1366.7	1382.7	1398.8	1402.7	1427.1	1459.7	1476.0	1501.0	1550.9	1588.4	1592.1
160°	1389.7	1402.2	1414.7	1417.8	1437.2	1463.1	1476.0	1497.4	1540.2	1572.3	1574.4
162.5°	1412.8	1422.1	1431.5	1433.8	1447.9	1466.6	1476.0	1494.0	1530.1	1557.3	1559.3
165°	1437.9	1446.4	1454.9	1457.0	1463.3	1471.7	1476.0	1489.0	1514.8	1534.2	1536.3
167.5°	1461.0	1464.9	1469.0	1470.0	1475.3	1482.5	1486.1	1494.5	1511.4	1524.1	1525.0
170°	1476.0	1480.1	1484.1	1485.1	1485.4	1485.9	1486.1	1494.5	1511.4	1524.1	1524.1
172.5°	1484.0	1484.9	1485.9	1486.1	1486.1	1486.1	1486.1	1492.7	1506.1	1516.2	1515.4
175°	1495.1	1495.1	1495.1	1495.1	1492.1	1488.1	1486.1	1490.3	1498.8	1505.1	1505.1
177.5°	1495.1	1495.1	1495.1	1495.1	1492.7	1489.6	1488.1	1491.4	1498.1	1503.1	1502.2
180°	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5
2.5°	2775.6	2767.9	2775.6	2770.6	2773.1	2765.4	2742.4	2734.7	2742.4	2750.0	2750.0
5°	2808.9	2803.8	2808.9	2808.9	2806.4	2801.3	2775.6	2770.6	2775.6	2778.2	2773.1
7.5°	2819.2	2811.5	2819.2	2814.1	2814.1	2808.9	2783.4	2778.2	2780.7	2788.5	2780.7
10°	2819.2	2811.5	2819.2	2816.6	2814.1	2808.9	2783.4	2773.1	2773.1	2780.7	2773.1
12.5°	2806.4	2801.3	2806.4	2801.3	2801.3	2796.1	2770.6	2760.3	2762.8	2765.4	2755.2
15°	2785.9	2778.2	2785.9	2780.7	2783.4	2775.6	2747.5	2737.2	2737.2	2742.4	2724.4
17.5°	2755.2	2744.9	2755.2	2752.6	2750.0	2744.9	2719.3	2709.0	2706.5	2709.0	2696.2
20°	2719.3	2711.6	2719.3	2716.8	2716.8	2706.5	2680.9	2668.1	2668.1	2668.1	2655.3
22.5°	2663.0	2655.3	2663.0	2668.1	2668.1	2665.5	2642.5	2624.5	2619.4	2619.4	2604.1
25°	2599.0	2591.3	2599.0	2599.0	2596.4	2599.0	2591.3	2581.0	2573.4	2565.7	2550.3
27.5°	2537.5	2532.4	2537.5	2532.4	2537.5	2529.9	2527.2	2524.7	2514.5	2506.8	2486.3
30°	2476.1	2471.0	2476.1	2471.0	2465.8	2460.7	2447.9	2442.8	2453.0	2447.9	2414.7
32.5°	2399.2	2394.1	2399.2	2399.2	2394.1	2394.1	2373.7	2365.9	2368.5	2383.8	2353.1
35°	2319.9	2312.2	2319.9	2317.3	2319.9	2312.2	2299.3	2296.8	2286.5	2304.5	2281.4
37.5°	2227.7	2220.0	2227.7	2227.7	2227.7	2232.8	2222.6	2214.8	2199.5	2222.6	2204.7
40°	2133.0	2122.7	2133.0	2130.3	2133.0	2138.1	2133.0	2127.8	2112.4	2130.3	2115.0
42.5°	2025.4	2022.9	2025.4	2027.9	2027.9	2038.2	2045.8	2035.7	2030.5	2017.7	2027.9
45°	1910.2	1905.1	1910.2	1915.3	1917.8	1923.0	1946.0	1946.0	1938.4	1917.8	1933.3
47.5°	1787.2	1774.4	1787.2	1802.6	1802.6	1810.3	1833.3	1851.3	1838.5	1812.9	1820.6
50°	1656.7	1659.2	1656.7	1666.9	1666.9	1695.1	1713.0	1730.9	1743.7	1713.0	1677.1
52.5°	1528.7	1526.1	1528.7	1536.3	1546.6	1559.4	1590.1	1608.1	1628.5	1610.6	1554.3
55°	1400.6	1405.7	1400.6	1403.2	1408.3	1416.0	1462.1	1480.0	1518.4	1495.4	1436.4
57.5°	1272.6	1264.9	1272.6	1277.7	1280.2	1288.0	1326.4	1359.7	1382.7	1385.3	1313.6
60°	1124.0	1113.9	1124.0	1147.1	1152.2	1157.4	1193.2	1223.9	1244.4	1252.1	1177.8
62.5°	993.5	975.6	993.5	1008.8	1019.1	1031.9	1057.5	1103.6	1121.5	1124.0	1019.1
65°	855.2	847.6	855.2	886.0	888.5	903.9	932.1	965.3	1003.7	998.7	847.6
67.5°	729.8	729.8	729.8	750.2	765.6	773.3	809.1	824.5	873.2	878.3	706.7
70°	614.5	612.0	614.5	629.8	640.1	658.0	691.4	709.3	747.7	760.5	573.6
72.5°	504.5	501.8	504.5	517.3	527.4	542.8	571.0	591.5	624.8	640.1	445.5
75°	407.2	402.0	407.2	417.3	414.8	435.3	458.3	478.8	509.6	519.8	330.3
77.5°	312.4	312.4	312.4	322.7	322.7	343.1	353.4	379.0	396.9	412.2	243.2
80°	233.0	230.4	233.0	235.6	235.6	245.8	263.8	281.7	297.0	297.0	166.5
82.5°	163.9	158.7	163.9	163.9	163.9	169.0	179.3	184.4	194.6	202.3	104.9
85°	102.4	102.4	102.4	104.9	102.4	107.6	110.1	115.2	115.2	110.1	64.1
87.5°	66.6	64.1	66.6	64.1	64.1	61.4	61.4	61.4	58.9	56.3	35.9
90°	38.1	38.1	38.1	38.1	38.1	50.8	67.7	76.3	65.6	44.2	28.1
92.5°	152.7	122.4	152.7	183.0	190.6	270.3	376.4	429.5	377.0	272.3	193.7
95°	532.4	440.5	532.4	624.2	647.2	849.9	1120.2	1255.2	1060.2	670.0	377.3
97.5°	1275.6	1100.8	1275.6	1450.4	1494.1	1622.2	1793.0	1878.4	1553.1	902.4	414.4
100°	1837.8	1629.6	1837.8	2046.1	2098.2	2088.8	2076.3	2070.1	1709.0	987.0	445.5
102.5°	2390.9	2212.5	2390.9	2569.3	2613.9	2450.7	2233.1	2124.2	1758.2	1025.9	476.7
105°	3096.1	3000.2	3096.1	3192.0	3215.9	2850.0	2362.1	2118.2	1763.7	1054.6	522.8
107.5°	3558.0	3581.1	3558.0	3534.8	3529.0	3018.6	2338.1	1997.8	1685.2	1059.9	591.0
110°	3734.1	3834.0	3734.1	3634.2	3609.2	3038.7	2277.9	1897.5	1615.6	1051.9	629.2



TEST NUMBER: P935694

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3749.8	3903.2	3749.8	3596.4	3558.1	2974.1	2195.5	1806.1	1554.9	1052.2	675.3
115°	3650.4	3863.1	3650.4	3437.7	3384.5	2821.9	2071.8	1696.8	1485.2	1061.9	744.5
117.5°	3439.6	3675.5	3439.6	3203.7	3144.7	2636.9	1960.0	1621.5	1441.6	1081.7	811.7
120°	3269.7	3498.9	3269.7	3040.4	2983.2	2519.2	1900.7	1591.4	1426.9	1097.7	850.9
122.5°	3104.3	3330.4	3104.3	2878.1	2821.6	2403.9	1846.8	1568.3	1419.1	1120.7	897.0
125°	2868.2	3076.5	2868.2	2659.9	2607.9	2253.0	1779.9	1543.2	1412.8	1151.9	956.2
127.5°	2655.9	2831.6	2655.9	2480.2	2436.3	2131.6	1725.3	1522.2	1409.1	1183.1	1013.5
130°	2530.8	2693.1	2530.8	2368.5	2327.9	2056.7	1695.0	1514.2	1411.3	1205.7	1051.6
132.5°	2417.4	2562.7	2417.4	2271.9	2235.6	1992.7	1669.0	1507.1	1412.8	1224.1	1082.7
135°	2261.8	2387.1	2261.8	2136.5	2105.2	1901.8	1630.6	1495.1	1411.4	1244.2	1118.8
137.5°	2137.0	2239.6	2137.0	2034.5	2008.8	1836.9	1607.7	1493.0	1420.2	1274.3	1164.9
140°	2051.5	2147.3	2051.5	1955.5	1931.6	1783.1	1585.1	1486.1	1421.6	1292.7	1196.0
142.5°	1980.4	2063.0	1980.4	1898.0	1877.3	1746.9	1573.0	1486.1	1426.8	1308.1	1219.1
145°	1874.1	1936.5	1874.1	1811.7	1796.1	1689.5	1547.1	1476.0	1426.8	1328.2	1254.3
147.5°	1792.6	1844.3	1792.6	1740.8	1727.9	1643.9	1532.0	1476.0	1436.5	1357.7	1298.5
150°	1741.2	1783.1	1741.2	1699.2	1688.8	1617.8	1523.3	1476.0	1441.7	1373.0	1321.5
152.5°	1697.2	1728.9	1697.2	1665.6	1657.7	1597.1	1516.4	1476.0	1445.0	1383.1	1336.5
155°	1646.7	1667.6	1646.7	1625.8	1620.6	1572.4	1508.2	1476.0	1452.3	1405.1	1369.7
157.5°	1606.8	1621.5	1606.8	1592.1	1588.4	1550.9	1501.0	1476.0	1459.7	1427.1	1402.7
160°	1582.9	1591.4	1582.9	1574.4	1572.3	1540.2	1497.4	1476.0	1463.1	1437.2	1417.8
162.5°	1567.4	1575.4	1567.4	1559.3	1557.3	1530.1	1494.0	1476.0	1466.6	1447.9	1433.8
165°	1544.8	1553.3	1544.8	1536.3	1534.2	1514.8	1489.0	1476.0	1471.7	1463.3	1457.0
167.5°	1528.6	1532.2	1528.6	1525.0	1524.1	1511.4	1494.5	1486.1	1482.5	1475.3	1470.0
170°	1524.1	1524.1	1524.1	1524.1	1524.1	1511.4	1494.5	1486.1	1485.9	1485.4	1485.1
172.5°	1512.2	1509.1	1512.2	1515.4	1516.2	1506.1	1492.7	1486.1	1486.1	1486.1	1486.1
175°	1505.1	1505.1	1505.1	1505.1	1505.1	1498.8	1490.3	1486.1	1488.1	1492.1	1495.1
177.5°	1498.7	1495.1	1498.7	1502.2	1503.1	1498.1	1491.4	1488.1	1489.6	1492.7	1495.1
180°	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1



TEST NUMBER: P935694

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5
2.5°	2744.9	2729.6	2729.6	2704.0	2693.7	2686.1	2673.2	2634.8	2624.5	2614.4	2629.7
5°	2767.9	2739.8	2719.3	2673.2	2634.8	2619.4	2570.8	2478.6	2417.2	2371.0	2345.5
7.5°	2773.1	2737.2	2698.9	2627.2	2534.9	2494.0	2345.5	2176.5	2130.3	2089.5	2063.8
10°	2767.9	2727.0	2673.2	2565.7	2348.0	2276.4	2127.8	2017.7	1989.6	1981.9	1989.6
12.5°	2750.0	2711.6	2637.3	2458.2	2153.4	2104.8	2017.7	1953.7	1948.6	1961.4	2030.5
15°	2719.3	2683.5	2596.4	2314.7	2045.8	2010.0	1948.6	1925.5	1953.7	2043.3	2250.7
17.5°	2688.6	2647.6	2540.0	2174.0	1964.0	1938.4	1894.8	1940.9	2099.6	2220.0	2289.2
20°	2647.6	2599.0	2476.1	2071.5	1905.1	1882.0	1861.5	2068.9	2189.3	2232.8	2271.2
22.5°	2599.0	2547.8	2389.0	1999.8	1843.6	1825.7	1838.5	2140.6	2189.3	2220.0	2253.3
25°	2534.9	2491.4	2286.5	1943.4	1795.0	1774.4	1823.1	2133.0	2161.1	2168.8	2235.4
27.5°	2476.1	2419.7	2179.0	1892.3	1736.1	1728.4	1836.0	2099.6	2120.2	2127.8	2199.5
30°	2404.4	2319.9	2058.6	1838.5	1674.6	1672.0	1838.5	2058.6	2053.6	2074.0	2145.8
32.5°	2330.2	2171.3	1923.0	1771.9	1615.7	1613.2	1820.6	1997.2	1992.1	2020.3	2074.0
35°	2261.0	2056.1	1738.6	1695.1	1541.5	1544.0	1777.0	1925.5	1928.1	1953.7	1987.0
37.5°	2189.3	1956.2	1536.3	1610.6	1469.8	1469.8	1718.1	1858.9	1853.9	1861.5	1907.6
40°	2104.8	1800.1	1357.1	1500.5	1403.2	1395.5	1646.4	1787.2	1769.3	1766.8	1830.8
42.5°	2015.1	1628.5	1223.9	1354.6	1326.4	1316.1	1559.4	1700.2	1666.9	1674.6	1756.5
45°	1917.8	1582.4	1121.5	1144.6	1247.0	1239.4	1464.6	1600.3	1577.3	1597.8	1682.3
47.5°	1820.6	1490.2	1088.3	950.0	1162.5	1159.9	1359.7	1503.0	1490.2	1510.8	1600.3
50°	1687.4	1387.8	1085.7	814.3	1067.7	1078.0	1234.2	1408.3	1408.3	1426.3	1520.9
52.5°	1515.8	1262.3	985.9	737.4	957.7	988.4	1124.0	1326.4	1331.5	1349.4	1433.9
55°	1359.7	1131.8	914.2	678.6	827.0	893.6	1016.6	1241.9	1252.1	1270.1	1346.8
57.5°	1216.3	942.3	898.7	609.4	706.7	770.7	921.8	1159.9	1165.0	1180.4	1254.7
60°	1062.6	681.1	824.5	535.2	601.7	650.4	834.7	1062.6	1080.5	1090.8	1154.9
62.5°	888.5	494.2	747.7	483.9	550.5	560.8	763.1	970.5	993.5	1001.2	1039.5
65°	632.5	414.8	635.0	440.4	496.7	499.3	686.2	875.7	896.2	909.0	937.1
67.5°	427.6	338.0	483.9	399.4	455.8	458.3	612.0	765.6	793.8	804.0	821.9
70°	297.0	225.3	358.4	355.9	409.7	414.8	532.6	665.7	691.4	699.0	709.3
72.5°	217.6	181.8	297.0	320.1	361.0	366.2	450.7	553.1	578.7	586.3	591.5
75°	166.5	192.1	240.7	279.1	307.3	309.8	368.7	450.7	468.6	473.7	476.3
77.5°	133.1	179.3	176.6	225.3	251.0	245.8	289.3	348.3	363.6	363.6	363.6
80°	99.9	140.8	133.1	161.3	184.4	179.3	207.4	248.4	253.5	258.6	256.0
82.5°	74.2	89.6	89.6	102.4	122.9	117.8	138.3	161.3	161.3	161.3	166.5
85°	46.1	51.2	41.0	53.8	69.1	66.6	76.8	87.0	89.6	89.6	84.5
87.5°	28.2	23.1	12.8	20.4	30.7	30.7	35.9	38.4	35.9	35.9	35.9
90°	26.1	18.1	10.1	18.1	26.1	28.1	44.2	65.6	76.3	67.7	50.8
92.5°	176.6	108.3	40.1	108.3	176.6	193.7	272.3	377.0	429.5	376.4	270.3
95°	346.1	221.2	96.3	221.2	346.1	377.3	670.0	1060.2	1255.2	1120.2	849.9
97.5°	386.9	276.7	166.6	276.7	386.9	414.4	902.4	1553.1	1878.4	1793.0	1622.2
100°	420.5	320.6	220.7	320.6	420.5	445.5	987.0	1709.0	2070.1	2076.3	2088.8
102.5°	453.3	360.1	266.9	360.1	453.3	476.7	1025.9	1758.2	2124.2	2233.1	2450.7
105°	503.0	424.1	345.2	424.1	503.0	522.8	1054.6	1763.7	2118.2	2362.1	2850.0
107.5°	572.6	499.0	425.5	499.0	572.6	591.0	1059.9	1685.2	1997.8	2338.1	3018.6
110°	612.6	546.1	479.7	546.1	612.6	629.2	1051.9	1615.6	1897.5	2277.9	3038.7



TEST NUMBER: P935694

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	659.5	596.1	532.9	596.1	659.5	675.3	1052.2	1554.9	1806.1	2195.5	2974.1
115°	729.9	671.5	613.1	671.5	729.9	744.5	1061.9	1485.2	1696.8	2071.8	2821.9
117.5°	798.5	745.5	692.4	745.5	798.5	811.7	1081.7	1441.6	1621.5	1960.0	2636.9
120°	838.4	788.5	738.5	788.5	838.4	850.9	1097.7	1426.9	1591.4	1900.7	2519.2
122.5°	884.4	834.0	783.6	834.0	884.4	897.0	1120.7	1419.1	1568.3	1846.8	2403.9
125°	944.8	898.8	852.9	898.8	944.8	956.2	1151.9	1412.8	1543.2	1779.9	2253.0
127.5°	1001.8	955.5	909.1	955.5	1001.8	1013.5	1183.1	1409.1	1522.2	1725.3	2131.6
130°	1039.1	989.2	939.2	989.2	1039.1	1051.6	1205.7	1411.3	1514.2	1695.0	2056.7
132.5°	1070.2	1020.3	970.3	1020.3	1070.2	1082.7	1224.1	1412.8	1507.1	1669.0	1992.7
135°	1107.5	1061.9	1016.5	1061.9	1107.5	1118.8	1244.2	1411.4	1495.1	1630.6	1901.8
137.5°	1153.7	1108.6	1063.6	1108.6	1153.7	1164.9	1274.3	1420.2	1493.0	1607.7	1836.9
140°	1185.7	1144.2	1102.7	1144.2	1185.7	1196.0	1292.7	1421.6	1486.1	1585.1	1783.1
142.5°	1209.5	1171.2	1132.9	1171.2	1209.5	1219.1	1308.1	1426.8	1486.1	1573.0	1746.9
145°	1245.9	1212.4	1179.0	1212.4	1245.9	1254.3	1328.2	1426.8	1476.0	1547.1	1689.5
147.5°	1290.3	1257.8	1225.2	1257.8	1290.3	1298.5	1357.7	1436.5	1476.0	1532.0	1643.9
150°	1314.2	1284.7	1255.2	1284.7	1314.2	1321.5	1373.0	1441.7	1476.0	1523.3	1617.8
152.5°	1330.9	1308.6	1286.3	1308.6	1330.9	1336.5	1383.1	1445.0	1476.0	1516.4	1597.1
155°	1365.5	1349.0	1332.6	1349.0	1365.5	1369.7	1405.1	1452.3	1476.0	1508.2	1572.4
157.5°	1398.8	1382.7	1366.7	1382.7	1398.8	1402.7	1427.1	1459.7	1476.0	1501.0	1550.9
160°	1414.7	1402.2	1389.7	1402.2	1414.7	1417.8	1437.2	1463.1	1476.0	1497.4	1540.2
162.5°	1431.5	1422.1	1412.8	1422.1	1431.5	1433.8	1447.9	1466.6	1476.0	1494.0	1530.1
165°	1454.9	1446.4	1437.9	1446.4	1454.9	1457.0	1463.3	1471.7	1476.0	1489.0	1514.8
167.5°	1469.0	1464.9	1461.0	1464.9	1469.0	1470.0	1475.3	1482.5	1486.1	1494.5	1511.4
170°	1484.1	1480.1	1476.0	1480.1	1484.1	1485.1	1485.4	1485.9	1486.1	1494.5	1511.4
172.5°	1485.9	1484.9	1484.0	1484.9	1485.9	1486.1	1486.1	1486.1	1486.1	1492.7	1506.1
175°	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1492.1	1488.1	1486.1	1490.3	1498.8
177.5°	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1492.7	1489.6	1488.1	1491.4	1498.1
180°	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1



TEST NUMBER: P935694

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5
2.5°	2611.7	2604.1	2614.4	2586.2	2614.4	2604.1	2611.7	2629.7	2614.4	2624.5	2634.8
5°	2291.7	2278.9	2237.9	2204.7	2237.9	2278.9	2291.7	2345.5	2371.0	2417.2	2478.6
7.5°	2048.5	2038.2	2027.9	2007.5	2027.9	2038.2	2048.5	2063.8	2089.5	2130.3	2176.5
10°	1994.7	1997.2	2012.6	2010.0	2012.6	1997.2	1994.7	1989.6	1981.9	1989.6	2017.7
12.5°	2133.0	2156.0	2240.5	2235.4	2240.5	2156.0	2133.0	2030.5	1961.4	1948.6	1953.7
15°	2291.7	2299.3	2317.3	2319.9	2317.3	2299.3	2291.7	2250.7	2043.3	1953.7	1925.5
17.5°	2307.1	2309.6	2322.4	2322.4	2322.4	2309.6	2307.1	2289.2	2220.0	2099.6	1940.9
20°	2294.3	2299.3	2325.0	2330.2	2325.0	2299.3	2294.3	2271.2	2232.8	2189.3	2068.9
22.5°	2289.2	2299.3	2319.9	2317.3	2319.9	2299.3	2289.2	2253.3	2220.0	2189.3	2140.6
25°	2263.5	2263.5	2266.1	2268.6	2266.1	2263.5	2263.5	2235.4	2168.8	2161.1	2133.0
27.5°	2209.8	2214.8	2230.3	2227.7	2230.3	2214.8	2209.8	2199.5	2127.8	2120.2	2099.6
30°	2161.1	2156.0	2143.1	2133.0	2143.1	2156.0	2161.1	2145.8	2074.0	2053.6	2058.6
32.5°	2079.2	2066.4	2053.6	2045.8	2053.6	2066.4	2079.2	2074.0	2020.3	1992.1	1997.2
35°	1981.9	1984.4	1981.9	1974.1	1981.9	1984.4	1981.9	1987.0	1953.7	1928.1	1925.5
37.5°	1912.7	1917.8	1915.3	1905.1	1915.3	1917.8	1912.7	1907.6	1861.5	1853.9	1858.9
40°	1841.0	1843.6	1841.0	1833.3	1841.0	1843.6	1841.0	1830.8	1766.8	1769.3	1787.2
42.5°	1771.9	1769.3	1761.6	1756.5	1761.6	1769.3	1771.9	1756.5	1674.6	1666.9	1700.2
45°	1692.6	1695.1	1679.8	1672.0	1679.8	1695.1	1692.6	1682.3	1597.8	1577.3	1600.3
47.5°	1613.2	1613.2	1600.3	1592.6	1600.3	1613.2	1613.2	1600.3	1510.8	1490.2	1503.0
50°	1528.7	1526.1	1508.2	1505.6	1508.2	1526.1	1528.7	1520.9	1426.3	1408.3	1408.3
52.5°	1431.3	1431.3	1433.9	1439.1	1433.9	1431.3	1431.3	1433.9	1349.4	1331.5	1326.4
55°	1346.8	1349.4	1367.4	1372.5	1367.4	1349.4	1346.8	1346.8	1270.1	1252.1	1241.9
57.5°	1259.8	1259.8	1272.6	1272.6	1272.6	1259.8	1259.8	1254.7	1180.4	1165.0	1159.9
60°	1159.9	1165.0	1175.3	1172.8	1175.3	1165.0	1159.9	1154.9	1090.8	1080.5	1062.6
62.5°	1055.0	1060.1	1062.6	1057.5	1062.6	1060.1	1055.0	1039.5	1001.2	993.5	970.5
65°	944.9	950.0	952.5	947.4	952.5	950.0	944.9	937.1	909.0	896.2	875.7
67.5°	832.2	829.7	827.0	837.3	827.0	829.7	832.2	821.9	804.0	793.8	765.6
70°	717.0	717.0	714.3	719.5	714.3	717.0	717.0	709.3	699.0	691.4	665.7
72.5°	594.1	591.5	601.7	594.1	601.7	591.5	594.1	591.5	586.3	578.7	553.1
75°	473.7	478.8	473.7	481.4	473.7	478.8	473.7	476.3	473.7	468.6	450.7
77.5°	361.0	366.2	361.0	361.0	361.0	366.2	361.0	363.6	363.6	363.6	348.3
80°	256.0	253.5	253.5	251.0	253.5	253.5	256.0	256.0	258.6	253.5	248.4
82.5°	163.9	161.3	161.3	166.5	161.3	161.3	163.9	166.5	161.3	161.3	161.3
85°	89.6	92.2	87.0	87.0	87.0	92.2	89.6	84.5	89.6	89.6	87.0
87.5°	33.3	30.7	30.7	30.7	30.7	30.7	33.3	35.9	35.9	35.9	38.4
90°	38.1	38.1	38.1	38.1	38.1	38.1	38.1	50.8	67.7	76.3	65.6
92.5°	190.6	183.0	152.7	122.4	152.7	183.0	190.6	270.3	376.4	429.5	377.0
95°	647.2	624.2	532.4	440.5	532.4	624.2	647.2	849.9	1120.2	1255.2	1060.2
97.5°	1494.1	1450.4	1275.6	1100.8	1275.6	1450.4	1494.1	1622.2	1793.0	1878.4	1553.1
100°	2098.2	2046.1	1837.8	1629.6	1837.8	2046.1	2098.2	2088.8	2076.3	2070.1	1709.0
102.5°	2613.9	2569.3	2390.9	2212.5	2390.9	2569.3	2613.9	2450.7	2233.1	2124.2	1758.2
105°	3215.9	3192.0	3096.1	3000.2	3096.1	3192.0	3215.9	2850.0	2362.1	2118.2	1763.7
107.5°	3529.0	3534.8	3558.0	3581.1	3558.0	3534.8	3529.0	3018.6	2338.1	1997.8	1685.2
110°	3609.2	3634.2	3734.1	3834.0	3734.1	3634.2	3609.2	3038.7	2277.9	1897.5	1615.6



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3558.1	3596.4	3749.8	3903.2	3749.8	3596.4	3558.1	2974.1	2195.5	1806.1	1554.9
115°	3384.5	3437.7	3650.4	3863.1	3650.4	3437.7	3384.5	2821.9	2071.8	1696.8	1485.2
117.5°	3144.7	3203.7	3439.6	3675.5	3439.6	3203.7	3144.7	2636.9	1960.0	1621.5	1441.6
120°	2983.2	3040.4	3269.7	3498.9	3269.7	3040.4	2983.2	2519.2	1900.7	1591.4	1426.9
122.5°	2821.6	2878.1	3104.3	3330.4	3104.3	2878.1	2821.6	2403.9	1846.8	1568.3	1419.1
125°	2607.9	2659.9	2868.2	3076.5	2868.2	2659.9	2607.9	2253.0	1779.9	1543.2	1412.8
127.5°	2436.3	2480.2	2655.9	2831.6	2655.9	2480.2	2436.3	2131.6	1725.3	1522.2	1409.1
130°	2327.9	2368.5	2530.8	2693.1	2530.8	2368.5	2327.9	2056.7	1695.0	1514.2	1411.3
132.5°	2235.6	2271.9	2417.4	2562.7	2417.4	2271.9	2235.6	1992.7	1669.0	1507.1	1412.8
135°	2105.2	2136.5	2261.8	2387.1	2261.8	2136.5	2105.2	1901.8	1630.6	1495.1	1411.4
137.5°	2008.8	2034.5	2137.0	2239.6	2137.0	2034.5	2008.8	1836.9	1607.7	1493.0	1420.2
140°	1931.6	1955.5	2051.5	2147.3	2051.5	1955.5	1931.6	1783.1	1585.1	1486.1	1421.6
142.5°	1877.3	1898.0	1980.4	2063.0	1980.4	1898.0	1877.3	1746.9	1573.0	1486.1	1426.8
145°	1796.1	1811.7	1874.1	1936.5	1874.1	1811.7	1796.1	1689.5	1547.1	1476.0	1426.8
147.5°	1727.9	1740.8	1792.6	1844.3	1792.6	1740.8	1727.9	1643.9	1532.0	1476.0	1436.5
150°	1688.8	1699.2	1741.2	1783.1	1741.2	1699.2	1688.8	1617.8	1523.3	1476.0	1441.7
152.5°	1657.7	1665.6	1697.2	1728.9	1697.2	1665.6	1657.7	1597.1	1516.4	1476.0	1445.0
155°	1620.6	1625.8	1646.7	1667.6	1646.7	1625.8	1620.6	1572.4	1508.2	1476.0	1452.3
157.5°	1588.4	1592.1	1606.8	1621.5	1606.8	1592.1	1588.4	1550.9	1501.0	1476.0	1459.7
160°	1572.3	1574.4	1582.9	1591.4	1582.9	1574.4	1572.3	1540.2	1497.4	1476.0	1463.1
162.5°	1557.3	1559.3	1567.4	1575.4	1567.4	1559.3	1557.3	1530.1	1494.0	1476.0	1466.6
165°	1534.2	1536.3	1544.8	1553.3	1544.8	1536.3	1534.2	1514.8	1489.0	1476.0	1471.7
167.5°	1524.1	1525.0	1528.6	1532.2	1528.6	1525.0	1524.1	1511.4	1494.5	1486.1	1482.5
170°	1524.1	1524.1	1524.1	1524.1	1524.1	1524.1	1524.1	1511.4	1494.5	1486.1	1485.9
172.5°	1516.2	1515.4	1512.2	1509.1	1512.2	1515.4	1516.2	1506.1	1492.7	1486.1	1486.1
175°	1505.1	1505.1	1505.1	1505.1	1505.1	1505.1	1505.1	1498.8	1490.3	1486.1	1488.1
177.5°	1503.1	1502.2	1498.7	1495.1	1498.7	1502.2	1503.1	1498.1	1491.4	1488.1	1489.6
180°	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2706.5	2706.5	2706.5	2706.5	2706.5
2.5°	2673.2	2686.1	2693.7	2704.0	2729.6
5°	2570.8	2619.4	2634.8	2673.2	2719.3
7.5°	2345.5	2494.0	2534.9	2627.2	2698.9
10°	2127.8	2276.4	2348.0	2565.7	2673.2
12.5°	2017.7	2104.8	2153.4	2458.2	2637.3
15°	1948.6	2010.0	2045.8	2314.7	2596.4
17.5°	1894.8	1938.4	1964.0	2174.0	2540.0
20°	1861.5	1882.0	1905.1	2071.5	2476.1
22.5°	1838.5	1825.7	1843.6	1999.8	2389.0
25°	1823.1	1774.4	1795.0	1943.4	2286.5
27.5°	1836.0	1728.4	1736.1	1892.3	2179.0
30°	1838.5	1672.0	1674.6	1838.5	2058.6
32.5°	1820.6	1613.2	1615.7	1771.9	1923.0
35°	1777.0	1544.0	1541.5	1695.1	1738.6
37.5°	1718.1	1469.8	1469.8	1610.6	1536.3
40°	1646.4	1395.5	1403.2	1500.5	1357.1
42.5°	1559.4	1316.1	1326.4	1354.6	1223.9
45°	1464.6	1239.4	1247.0	1144.6	1121.5
47.5°	1359.7	1159.9	1162.5	950.0	1088.3
50°	1234.2	1078.0	1067.7	814.3	1085.7
52.5°	1124.0	988.4	957.7	737.4	985.9
55°	1016.6	893.6	827.0	678.6	914.2
57.5°	921.8	770.7	706.7	609.4	898.7
60°	834.7	650.4	601.7	535.2	824.5
62.5°	763.1	560.8	550.5	483.9	747.7
65°	686.2	499.3	496.7	440.4	635.0
67.5°	612.0	458.3	455.8	399.4	483.9
70°	532.6	414.8	409.7	355.9	358.4
72.5°	450.7	366.2	361.0	320.1	297.0
75°	368.7	309.8	307.3	279.1	240.7
77.5°	289.3	245.8	251.0	225.3	176.6
80°	207.4	179.3	184.4	161.3	133.1
82.5°	138.3	117.8	122.9	102.4	89.6
85°	76.8	66.6	69.1	53.8	41.0
87.5°	35.9	30.7	30.7	20.4	12.8
90°	44.2	28.1	26.1	18.1	10.1
92.5°	272.3	193.7	176.6	108.3	40.1
95°	670.0	377.3	346.1	221.2	96.3
97.5°	902.4	414.4	386.9	276.7	166.6
100°	987.0	445.5	420.5	320.6	220.7
102.5°	1025.9	476.7	453.3	360.1	266.9
105°	1054.6	522.8	503.0	424.1	345.2
107.5°	1059.9	591.0	572.6	499.0	425.5
110°	1051.9	629.2	612.6	546.1	479.7



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CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1052.2	675.3	659.5	596.1	532.9
115°	1061.9	744.5	729.9	671.5	613.1
117.5°	1081.7	811.7	798.5	745.5	692.4
120°	1097.7	850.9	838.4	788.5	738.5
122.5°	1120.7	897.0	884.4	834.0	783.6
125°	1151.9	956.2	944.8	898.8	852.9
127.5°	1183.1	1013.5	1001.8	955.5	909.1
130°	1205.7	1051.6	1039.1	989.2	939.2
132.5°	1224.1	1082.7	1070.2	1020.3	970.3
135°	1244.2	1118.8	1107.5	1061.9	1016.5
137.5°	1274.3	1164.9	1153.7	1108.6	1063.6
140°	1292.7	1196.0	1185.7	1144.2	1102.7
142.5°	1308.1	1219.1	1209.5	1171.2	1132.9
145°	1328.2	1254.3	1245.9	1212.4	1179.0
147.5°	1357.7	1298.5	1290.3	1257.8	1225.2
150°	1373.0	1321.5	1314.2	1284.7	1255.2
152.5°	1383.1	1336.5	1330.9	1308.6	1286.3
155°	1405.1	1369.7	1365.5	1349.0	1332.6
157.5°	1427.1	1402.7	1398.8	1382.7	1366.7
160°	1437.2	1417.8	1414.7	1402.2	1389.7
162.5°	1447.9	1433.8	1431.5	1422.1	1412.8
165°	1463.3	1457.0	1454.9	1446.4	1437.9
167.5°	1475.3	1470.0	1469.0	1464.9	1461.0
170°	1485.4	1485.1	1484.1	1480.1	1476.0
172.5°	1486.1	1486.1	1485.9	1484.9	1484.0
175°	1492.1	1495.1	1495.1	1495.1	1495.1
177.5°	1492.7	1495.1	1495.1	1495.1	1495.1
180°	1495.1	1495.1	1495.1	1495.1	1495.1



TEST NUMBER: P935694
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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	12.81	13.61	13.84	14.64	16.02	15.65	16.44	16.67	17.48	18.86
	3H	13.28	14.00	14.32	15.04	16.44	16.99	17.70	18.03	18.74	20.14
	4H	13.47	14.15	14.52	15.19	16.60	17.44	18.11	18.48	19.15	20.56
	6H	13.59	14.21	14.64	15.25	16.67	17.72	18.34	18.77	19.39	20.81
	8H	13.59	14.18	14.65	15.24	16.66	17.79	18.38	18.85	19.45	20.86
	12H	13.56	14.12	14.62	15.17	16.61	17.83	18.39	18.90	19.45	20.89
4H	2H	13.84	14.51	14.89	15.55	16.96	16.05	16.72	17.10	17.77	19.17
	3H	14.86	15.42	15.92	16.49	17.91	17.55	18.11	18.61	19.18	20.61
	4H	15.13	15.65	16.20	16.71	18.15	18.08	18.59	19.15	19.66	21.10
	6H	15.25	15.70	16.33	16.78	18.22	18.44	18.88	19.52	19.97	21.41
	8H	15.26	15.67	16.33	16.75	18.20	18.55	18.96	19.62	20.04	21.49
	12H	15.22	15.59	16.32	16.69	18.14	18.60	18.98	19.70	20.07	21.53
8H	4H	15.58	15.99	16.66	17.07	18.52	18.20	18.61	19.27	19.69	21.14
	6H	15.84	16.18	16.94	17.30	18.75	18.63	18.97	19.73	20.09	21.54
	8H	15.88	16.18	16.99	17.28	18.75	18.79	19.09	19.89	20.19	21.66
	12H	15.86	16.13	16.97	17.22	18.73	18.88	19.15	19.99	20.24	21.75
12H	4H	15.59	15.96	16.68	17.05	18.51	18.16	18.53	19.25	19.62	21.08
	6H	15.90	16.20	17.01	17.30	18.77	18.63	18.93	19.74	20.03	21.50
	8H	15.96	16.23	17.07	17.32	18.83	18.79	19.05	19.90	20.15	21.66