

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: P935666

Luminaire Tested: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-8-3500K

Issue Date: 12/17/2024

**Test Information**

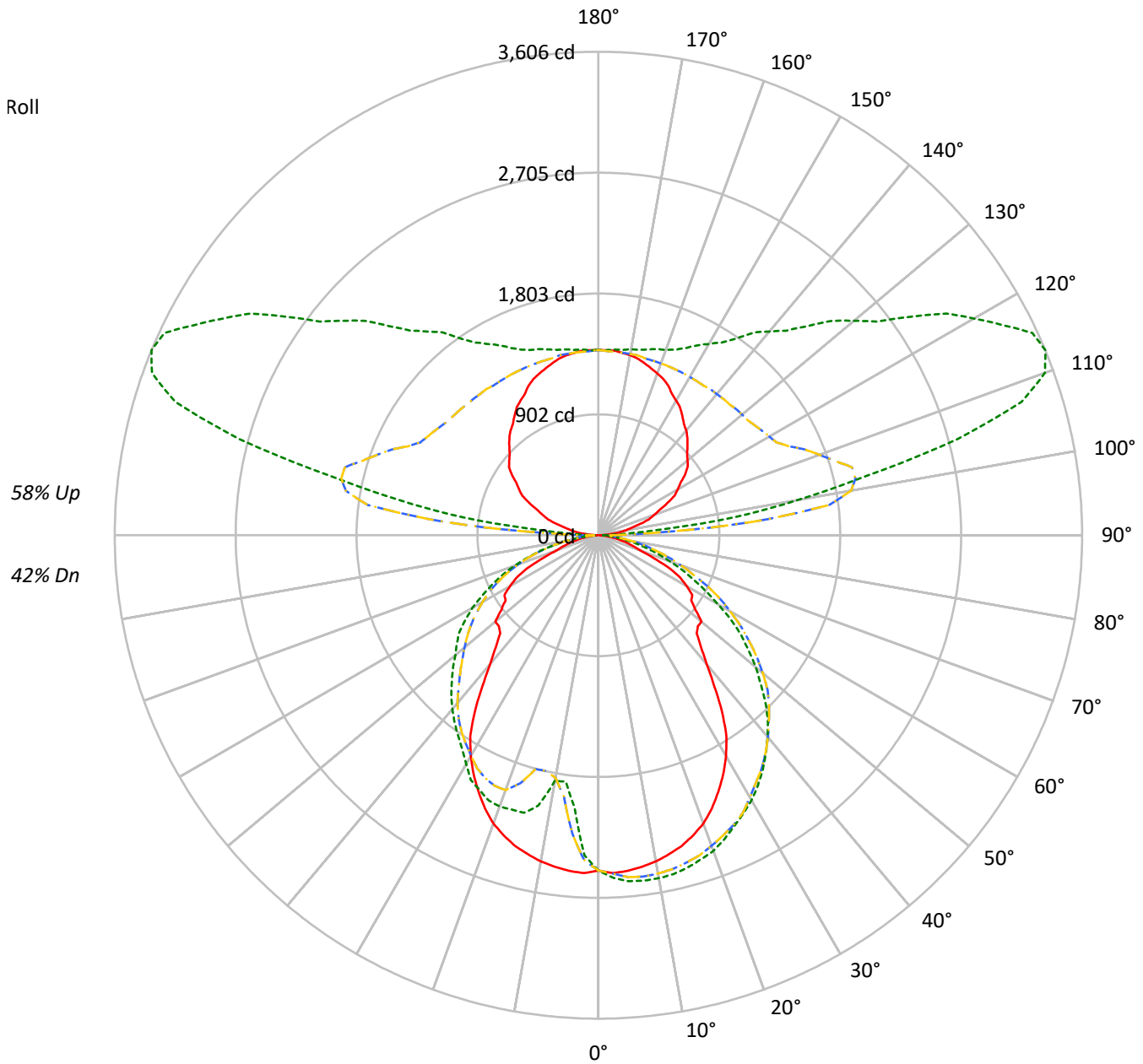
Test Method: LM-79-2019  
Report Number: P935666  
REPORT IS A COMBINATION OF REPORTS P933764 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-8-3500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15444.2 lumens  
Efficiency: N/A  
Efficacy: 119.9 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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CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-8-3500K

### Luminous Intensity Polar Plot



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



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	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°	11602	11602	11602	11602
5°	11689	11712	11689	9209
10°	11611	11537	11611	8248
15°	11485	11287	11485	9425
20°	11245	10991	11245	9445
25°	10753	10559	10753	9244
30°	10117	10200	10117	8805
35°	9020	9747	9020	8322
40°	7516	9213	7516	7957
45°	6715	8588	6715	7538
50°	7134	7842	7134	7116
55°	6712	7039	6712	6873
60°	6919	5979	6919	6295
65°	6273	4942	6273	5524
70°	4344	3939	4344	4631
75°	3809	2912	3809	3487
80°	3069	1925	3069	2096
85°	1765	1019	1765	866

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10292 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	225.7	1.5
10°-20°	640.9	4.1
20°-30°	990.7	6.4
30°-40°	1182.7	7.7
40°-50°	1189.7	7.7
50°-60°	1035.1	6.7
60°-70°	733.9	4.8
70°-80°	388.3	2.5
80°-90°	102.0	0.7
90°-100°	673.4	4.4
100°-110°	1770.3	11.5
110°-120°	1835.6	11.9
120°-130°	1472.4	9.5
130°-140°	1155.3	7.5
140°-150°	886.7	5.7
150°-160°	638.6	4.1
160°-170°	390.7	2.5
170°-180°	132.0	0.9
0°-30°	1857.4	12.0
0°-40°	3040.1	19.7
0°-60°	5264.9	34.1
0°-90°	6489.1	42.0
90°-120°	4279.3	27.7
90°-150°	7793.7	50.5
90°-180°	8955.0	58.0
0°-180°	15444.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2501	2501	2501	2501	2501	
5°	2512	2591	2512	2037	2512	238
15°	2399	2567	2399	2144	2399	675
25°	2113	2394	2113	2096	2113	970
35°	1606	2136	1606	1824	1606	994
45°	1036	1760	1036	1545	1036	830
55°	845	1299	845	1268	845	776
65°	587	783	587	875	587	561
75°	222	372	222	445	222	234
85°	38	95	38	80	38	51
90°	9	35	9	35	9	9
95°	89	407	89	407	89	99
105°	319	2772	319	2772	319	338
115°	566	3569	566	3569	566	559
125°	788	2842	788	2842	788	700
135°	939	2206	939	2206	939	727
145°	1089	1789	1089	1789	1089	682
155°	1231	1541	1231	1541	1231	566
165°	1329	1435	1329	1435	1329	375
175°	1381	1391	1381	1391	1381	131
180°	1381	1381	1381	1381	1381	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7
2.5°	2522.0	2522.0	2536.2	2540.9	2540.9	2533.8	2526.7	2533.8	2555.1	2562.2	2559.9
5°	2512.5	2531.4	2557.5	2562.2	2566.9	2564.5	2559.9	2564.5	2588.3	2593.0	2595.3
7.5°	2493.6	2529.1	2562.2	2569.3	2576.4	2569.3	2566.9	2571.7	2595.3	2600.1	2600.1
10°	2469.9	2519.6	2557.5	2562.2	2569.3	2562.2	2562.2	2571.7	2595.3	2600.1	2602.4
12.5°	2436.8	2505.4	2540.9	2545.6	2555.1	2552.7	2550.4	2559.9	2583.5	2588.3	2588.3
15°	2399.0	2479.4	2512.5	2517.3	2533.8	2529.1	2529.1	2538.6	2564.5	2571.7	2569.3
17.5°	2346.9	2446.3	2484.1	2491.2	2503.0	2500.7	2503.0	2512.5	2536.2	2540.9	2543.3
20°	2287.8	2401.3	2446.3	2453.3	2465.2	2465.2	2465.2	2477.1	2500.7	2510.2	2510.2
22.5°	2207.3	2354.0	2401.3	2406.1	2420.2	2420.2	2425.0	2441.5	2462.8	2465.2	2465.2
25°	2112.7	2301.9	2342.1	2356.4	2370.6	2377.7	2384.8	2394.2	2401.3	2399.0	2401.3
27.5°	2013.3	2235.7	2287.8	2297.2	2316.2	2323.2	2332.7	2335.1	2337.5	2344.6	2339.8
30°	1902.1	2143.5	2221.5	2231.0	2261.7	2266.5	2257.0	2261.7	2273.6	2278.3	2283.0
32.5°	1776.7	2006.2	2153.0	2174.2	2202.6	2188.4	2186.0	2193.2	2212.0	2212.0	2216.8
35°	1606.4	1899.8	2089.0	2107.9	2129.2	2112.7	2122.2	2124.5	2136.4	2143.5	2141.0
37.5°	1419.5	1807.5	2022.8	2037.0	2053.6	2032.3	2046.4	2053.6	2063.0	2058.3	2058.3
40°	1253.9	1663.2	1944.7	1954.2	1968.3	1951.8	1966.0	1970.8	1975.5	1970.8	1968.3
42.5°	1130.9	1504.7	1861.9	1873.7	1864.3	1876.1	1880.9	1890.3	1883.2	1873.7	1873.7
45°	1036.2	1462.0	1772.0	1786.2	1772.0	1791.0	1798.1	1798.1	1776.7	1772.0	1769.7
47.5°	1005.5	1376.9	1682.1	1682.1	1675.0	1698.7	1710.5	1693.9	1672.6	1665.5	1665.5
50°	1003.1	1282.3	1559.1	1549.6	1582.7	1611.1	1599.3	1582.7	1566.2	1540.1	1540.1
52.5°	910.9	1166.3	1400.5	1436.1	1488.1	1504.7	1485.8	1469.2	1440.8	1429.0	1419.5
55°	844.6	1045.7	1256.3	1327.2	1381.6	1403.0	1367.4	1350.9	1308.3	1301.2	1296.5
57.5°	830.4	870.6	1123.8	1213.7	1279.9	1277.5	1256.3	1225.5	1190.0	1182.9	1180.6
60°	761.8	629.3	981.8	1088.3	1156.9	1149.8	1130.9	1102.5	1069.4	1064.6	1059.9
62.5°	690.8	456.6	820.9	941.6	1038.6	1036.2	1019.7	977.1	953.4	941.6	932.1
65°	586.7	383.3	584.4	783.1	922.7	927.4	891.9	861.2	835.1	820.9	818.6
67.5°	447.1	312.3	395.1	653.0	811.5	806.8	761.8	747.6	714.5	707.4	693.2
70°	331.2	208.2	274.4	529.9	702.6	690.8	655.4	638.8	608.0	591.4	582.0
72.5°	274.4	168.0	201.1	411.7	591.4	577.3	546.5	527.6	501.6	487.3	477.9
75°	222.4	177.5	153.8	305.2	480.2	470.8	442.4	423.5	402.2	383.3	385.6
77.5°	163.2	165.6	123.0	224.7	380.9	366.7	350.2	326.5	317.0	298.1	298.1
80°	123.0	130.1	92.3	153.8	274.4	274.4	260.3	243.7	227.1	217.7	217.7
82.5°	82.8	82.8	68.6	97.0	186.9	179.8	170.4	165.6	156.1	151.4	151.4
85°	37.9	47.3	42.6	59.2	101.7	106.5	106.5	101.7	99.4	94.6	97.0
87.5°	11.8	21.3	26.1	33.1	52.0	54.4	56.8	56.8	56.8	59.2	59.2
90°	9.3	16.7	24.1	26.0	40.8	60.6	70.5	62.6	46.9	35.2	35.2
92.5°	37.1	100.1	163.2	179.0	251.6	348.4	396.8	347.7	249.7	176.1	169.1
95°	89.0	204.4	319.8	348.6	619.0	979.6	1159.8	1035.0	785.3	598.0	576.8
97.5°	153.9	255.7	357.5	382.9	833.8	1435.0	1735.6	1656.7	1498.8	1380.5	1340.1
100°	204.0	296.3	388.6	411.7	912.0	1579.1	1912.7	1918.4	1929.9	1938.6	1890.5
102.5°	246.6	332.7	418.8	440.4	947.9	1624.5	1962.7	2063.2	2264.3	2415.1	2373.9
105°	318.9	391.9	464.8	483.0	974.4	1629.6	1957.2	2182.5	2633.3	2971.4	2949.2
107.5°	393.1	461.1	529.0	546.1	979.3	1557.0	1845.9	2160.3	2789.1	3260.6	3266.0
110°	443.2	504.6	566.0	581.3	972.0	1492.8	1753.2	2104.7	2807.6	3334.8	3357.9



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	492.3	550.8	609.3	623.9	972.2	1436.6	1668.8	2028.5	2747.9	3287.5	3323.0
115°	566.5	620.5	674.3	687.9	981.2	1372.2	1567.8	1914.3	2607.3	3127.1	3176.3
117.5°	639.7	688.8	737.7	750.0	999.4	1332.0	1498.2	1810.9	2436.4	2905.6	2960.1
120°	682.3	728.5	774.6	786.2	1014.2	1318.3	1470.4	1756.2	2327.6	2756.3	2809.2
122.5°	724.0	770.6	817.2	828.8	1035.5	1311.2	1449.1	1706.4	2221.1	2607.1	2659.3
125°	788.1	830.5	872.9	883.5	1064.3	1305.4	1425.9	1644.5	2081.7	2409.6	2457.6
127.5°	840.0	882.9	925.7	936.4	1093.1	1302.0	1406.4	1594.1	1969.5	2251.0	2291.6
130°	867.7	913.9	960.0	971.6	1114.0	1304.0	1399.0	1566.1	1900.3	2150.9	2188.4
132.5°	896.5	942.7	988.8	1000.3	1131.0	1305.4	1392.5	1542.1	1841.2	2065.6	2099.1
135°	939.2	981.2	1023.3	1033.7	1149.6	1304.1	1381.4	1506.6	1757.1	1945.1	1974.0
137.5°	982.7	1024.3	1066.0	1076.3	1177.4	1312.2	1379.5	1485.4	1697.2	1856.1	1879.8
140°	1018.9	1057.2	1095.5	1105.1	1194.4	1313.5	1373.1	1464.6	1647.5	1784.7	1806.8
142.5°	1046.7	1082.2	1117.5	1126.4	1208.6	1318.3	1373.1	1453.4	1614.1	1734.6	1753.6
145°	1089.3	1120.2	1151.2	1158.9	1227.2	1318.3	1363.7	1429.5	1561.0	1659.6	1674.0
147.5°	1132.0	1162.1	1192.2	1199.7	1254.4	1327.3	1363.7	1415.5	1518.9	1596.5	1608.4
150°	1159.8	1187.0	1214.2	1221.0	1268.6	1332.0	1363.7	1407.4	1494.8	1560.3	1570.0
152.5°	1188.5	1209.1	1229.7	1234.9	1277.9	1335.1	1363.7	1401.1	1475.7	1531.6	1539.0
155°	1231.2	1246.5	1261.7	1265.5	1298.3	1341.9	1363.7	1393.5	1452.8	1497.3	1502.2
157.5°	1262.7	1277.5	1292.4	1296.1	1318.6	1348.7	1363.7	1386.8	1432.9	1467.6	1471.0
160°	1284.1	1295.6	1307.2	1310.0	1327.9	1351.8	1363.7	1383.5	1423.1	1452.7	1454.7
162.5°	1305.4	1314.0	1322.6	1324.8	1337.8	1355.1	1363.7	1380.4	1413.8	1438.9	1440.7
165°	1328.6	1336.4	1344.2	1346.2	1352.0	1359.8	1363.7	1375.7	1399.6	1417.5	1419.5
167.5°	1349.9	1353.5	1357.3	1358.2	1363.1	1369.7	1373.1	1380.8	1396.5	1408.2	1409.0
170°	1363.7	1367.5	1371.3	1372.2	1372.4	1372.9	1373.1	1380.8	1396.5	1408.2	1408.2
172.5°	1371.2	1372.0	1372.9	1373.1	1373.1	1373.1	1373.1	1379.2	1391.6	1400.9	1400.2
175°	1381.4	1381.4	1381.4	1381.4	1378.6	1374.9	1373.1	1377.0	1384.8	1390.7	1390.7
177.5°	1381.4	1381.4	1381.4	1381.4	1379.2	1376.4	1374.9	1378.0	1384.2	1388.8	1388.0
180°	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7
2.5°	2564.5	2557.5	2564.5	2559.9	2562.2	2555.1	2533.8	2526.7	2533.8	2540.9	2540.9
5°	2595.3	2590.6	2595.3	2595.3	2593.0	2588.3	2564.5	2559.9	2564.5	2566.9	2562.2
7.5°	2604.8	2597.7	2604.8	2600.1	2600.1	2595.3	2571.7	2566.9	2569.3	2576.4	2569.3
10°	2604.8	2597.7	2604.8	2602.4	2600.1	2595.3	2571.7	2562.2	2562.2	2569.3	2562.2
12.5°	2593.0	2588.3	2593.0	2588.3	2588.3	2583.5	2559.9	2550.4	2552.7	2555.1	2545.6
15°	2574.0	2566.9	2574.0	2569.3	2571.7	2564.5	2538.6	2529.1	2529.1	2533.8	2517.3
17.5°	2545.6	2536.2	2545.6	2543.3	2540.9	2536.2	2512.5	2503.0	2500.7	2503.0	2491.2
20°	2512.5	2505.4	2512.5	2510.2	2510.2	2500.7	2477.1	2465.2	2465.2	2465.2	2453.3
22.5°	2460.5	2453.3	2460.5	2465.2	2465.2	2462.8	2441.5	2425.0	2420.2	2420.2	2406.1
25°	2401.3	2394.2	2401.3	2401.3	2399.0	2401.3	2394.2	2384.8	2377.7	2370.6	2356.4
27.5°	2344.6	2339.8	2344.6	2339.8	2344.6	2337.5	2335.1	2332.7	2323.2	2316.2	2297.2
30°	2287.8	2283.0	2287.8	2283.0	2278.3	2273.6	2261.7	2257.0	2266.5	2261.7	2231.0
32.5°	2216.8	2212.0	2216.8	2216.8	2212.0	2212.0	2193.2	2186.0	2188.4	2202.6	2174.2
35°	2143.5	2136.4	2143.5	2141.0	2143.5	2136.4	2124.5	2122.2	2112.7	2129.2	2107.9
37.5°	2058.3	2051.2	2058.3	2058.3	2058.3	2063.0	2053.6	2046.4	2032.3	2053.6	2037.0
40°	1970.8	1961.3	1970.8	1968.3	1970.8	1975.5	1970.8	1966.0	1951.8	1968.3	1954.2
42.5°	1871.4	1869.1	1871.4	1873.7	1873.7	1883.2	1890.3	1880.9	1876.1	1864.3	1873.7
45°	1764.9	1760.2	1764.9	1769.7	1772.0	1776.7	1798.1	1798.1	1791.0	1772.0	1786.2
47.5°	1651.3	1639.5	1651.3	1665.5	1665.5	1672.6	1693.9	1710.5	1698.7	1675.0	1682.1
50°	1530.7	1533.0	1530.7	1540.1	1540.1	1566.2	1582.7	1599.3	1611.1	1582.7	1549.6
52.5°	1412.4	1410.0	1412.4	1419.5	1429.0	1440.8	1469.2	1485.8	1504.7	1488.1	1436.1
55°	1294.1	1298.8	1294.1	1296.5	1301.2	1308.3	1350.9	1367.4	1403.0	1381.6	1327.2
57.5°	1175.8	1168.7	1175.8	1180.6	1182.9	1190.0	1225.5	1256.3	1277.5	1279.9	1213.7
60°	1038.6	1029.2	1038.6	1059.9	1064.6	1069.4	1102.5	1130.9	1149.8	1156.9	1088.3
62.5°	918.0	901.4	918.0	932.1	941.6	953.4	977.1	1019.7	1036.2	1038.6	941.6
65°	790.2	783.1	790.2	818.6	820.9	835.1	861.2	891.9	927.4	922.7	783.1
67.5°	674.3	674.3	674.3	693.2	707.4	714.5	747.6	761.8	806.8	811.5	653.0
70°	567.8	565.5	567.8	582.0	591.4	608.0	638.8	655.4	690.8	702.6	529.9
72.5°	466.1	463.7	466.1	477.9	487.3	501.6	527.6	546.5	577.3	591.4	411.7
75°	376.2	371.5	376.2	385.6	383.3	402.2	423.5	442.4	470.8	480.2	305.2
77.5°	288.6	288.6	288.6	298.1	298.1	317.0	326.5	350.2	366.7	380.9	224.7
80°	215.3	212.9	215.3	217.7	217.7	227.1	243.7	260.3	274.4	274.4	153.8
82.5°	151.4	146.7	151.4	151.4	151.4	156.1	165.6	170.4	179.8	186.9	97.0
85°	94.6	94.6	94.6	97.0	94.6	99.4	101.7	106.5	106.5	101.7	59.2
87.5°	61.5	59.2	61.5	59.2	59.2	56.8	56.8	56.8	54.4	52.0	33.1
90°	35.2	35.2	35.2	35.2	35.2	46.9	62.6	70.5	60.6	40.8	26.0
92.5°	141.1	113.1	141.1	169.1	176.1	249.7	347.7	396.8	348.4	251.6	179.0
95°	491.9	407.0	491.9	576.8	598.0	785.3	1035.0	1159.8	979.6	619.0	348.6
97.5°	1178.6	1017.1	1178.6	1340.1	1380.5	1498.8	1656.7	1735.6	1435.0	833.8	382.9
100°	1698.0	1505.6	1698.0	1890.5	1938.6	1929.9	1918.4	1912.7	1579.1	912.0	411.7
102.5°	2209.1	2044.3	2209.1	2373.9	2415.1	2264.3	2063.2	1962.7	1624.5	947.9	440.4
105°	2860.6	2772.1	2860.6	2949.2	2971.4	2633.3	2182.5	1957.2	1629.6	974.4	483.0
107.5°	3287.4	3308.8	3287.4	3266.0	3260.6	2789.1	2160.3	1845.9	1557.0	979.3	546.1
110°	3450.2	3542.5	3450.2	3357.9	3334.8	2807.6	2104.7	1753.2	1492.8	972.0	581.3





TEST NUMBER: P935666

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3464.7	3606.4	3464.7	3323.0	3287.5	2747.9	2028.5	1668.8	1436.6	972.2	623.9
115°	3372.8	3569.3	3372.8	3176.3	3127.1	2607.3	1914.3	1567.8	1372.2	981.2	687.9
117.5°	3178.0	3396.0	3178.0	2960.1	2905.6	2436.4	1810.9	1498.2	1332.0	999.4	750.0
120°	3021.1	3232.8	3021.1	2809.2	2756.3	2327.6	1756.2	1470.4	1318.3	1014.2	786.2
122.5°	2868.2	3077.1	2868.2	2659.3	2607.1	2221.1	1706.4	1449.1	1311.2	1035.5	828.8
125°	2650.1	2842.5	2650.1	2457.6	2409.6	2081.7	1644.5	1425.9	1305.4	1064.3	883.5
127.5°	2454.0	2616.3	2454.0	2291.6	2251.0	1969.5	1594.1	1406.4	1302.0	1093.1	936.4
130°	2338.4	2488.3	2338.4	2188.4	2150.9	1900.3	1566.1	1399.0	1304.0	1114.0	971.6
132.5°	2233.5	2367.8	2233.5	2099.1	2065.6	1841.2	1542.1	1392.5	1305.4	1131.0	1000.3
135°	2089.8	2205.6	2089.8	1974.0	1945.1	1757.1	1506.6	1381.4	1304.1	1149.6	1033.7
137.5°	1974.5	2069.3	1974.5	1879.8	1856.1	1697.2	1485.4	1379.5	1312.2	1177.4	1076.3
140°	1895.5	1984.0	1895.5	1806.8	1784.7	1647.5	1464.6	1373.1	1313.5	1194.4	1105.1
142.5°	1829.8	1906.1	1829.8	1753.6	1734.6	1614.1	1453.4	1373.1	1318.3	1208.6	1126.4
145°	1731.6	1789.3	1731.6	1674.0	1659.6	1561.0	1429.5	1363.7	1318.3	1227.2	1158.9
147.5°	1656.2	1704.0	1656.2	1608.4	1596.5	1518.9	1415.5	1363.7	1327.3	1254.4	1199.7
150°	1608.8	1647.5	1608.8	1570.0	1560.3	1494.8	1407.4	1363.7	1332.0	1268.6	1221.0
152.5°	1568.1	1597.4	1568.1	1539.0	1531.6	1475.7	1401.1	1363.7	1335.1	1277.9	1234.9
155°	1521.5	1540.8	1521.5	1502.2	1497.3	1452.8	1393.5	1363.7	1341.9	1298.3	1265.5
157.5°	1484.6	1498.2	1484.6	1471.0	1467.6	1432.9	1386.8	1363.7	1348.7	1318.6	1296.1
160°	1462.5	1470.4	1462.5	1454.7	1452.7	1423.1	1383.5	1363.7	1351.8	1327.9	1310.0
162.5°	1448.2	1455.6	1448.2	1440.7	1438.9	1413.8	1380.4	1363.7	1355.1	1337.8	1324.8
165°	1427.3	1435.2	1427.3	1419.5	1417.5	1399.6	1375.7	1363.7	1359.8	1352.0	1346.2
167.5°	1412.4	1415.7	1412.4	1409.0	1408.2	1396.5	1380.8	1373.1	1369.7	1363.1	1358.2
170°	1408.2	1408.2	1408.2	1408.2	1408.2	1396.5	1380.8	1373.1	1372.9	1372.4	1372.2
172.5°	1397.2	1394.4	1397.2	1400.2	1400.9	1391.6	1379.2	1373.1	1373.1	1373.1	1373.1
175°	1390.7	1390.7	1390.7	1390.7	1390.7	1384.8	1377.0	1373.1	1374.9	1378.6	1381.4
177.5°	1384.7	1381.4	1384.7	1388.0	1388.8	1384.2	1378.0	1374.9	1376.4	1379.2	1381.4
180°	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4



TEST NUMBER: P935666

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7
2.5°	2536.2	2522.0	2522.0	2498.4	2488.9	2481.8	2469.9	2434.4	2425.0	2415.6	2429.7
5°	2557.5	2531.4	2512.5	2469.9	2434.4	2420.2	2375.3	2290.1	2233.4	2190.7	2167.1
7.5°	2562.2	2529.1	2493.6	2427.4	2342.1	2304.4	2167.1	2011.0	1968.3	1930.6	1906.8
10°	2557.5	2519.6	2469.9	2370.6	2169.4	2103.3	1966.0	1864.3	1838.3	1831.2	1838.3
12.5°	2540.9	2505.4	2436.8	2271.2	1989.7	1944.7	1864.3	1805.1	1800.4	1812.2	1876.1
15°	2512.5	2479.4	2399.0	2138.7	1890.3	1857.1	1800.4	1779.1	1805.1	1887.9	2079.5
17.5°	2484.1	2446.3	2346.9	2008.6	1814.6	1791.0	1750.7	1793.3	1940.0	2051.2	2115.1
20°	2446.3	2401.3	2287.8	1914.0	1760.2	1738.9	1720.0	1911.6	2022.8	2063.0	2098.5
22.5°	2401.3	2354.0	2207.3	1847.7	1703.4	1686.9	1698.7	1977.8	2022.8	2051.2	2082.0
25°	2342.1	2301.9	2112.7	1795.6	1658.5	1639.5	1684.4	1970.8	1996.7	2003.9	2065.4
27.5°	2287.8	2235.7	2013.3	1748.4	1604.0	1597.0	1696.3	1940.0	1958.9	1966.0	2032.3
30°	2221.5	2143.5	1902.1	1698.7	1547.3	1544.9	1698.7	1902.1	1897.4	1916.3	1982.6
32.5°	2153.0	2006.2	1776.7	1637.2	1492.8	1490.5	1682.1	1845.3	1840.6	1866.6	1916.3
35°	2089.0	1899.8	1606.4	1566.2	1424.3	1426.6	1641.9	1779.1	1781.5	1805.1	1835.9
37.5°	2022.8	1807.5	1419.5	1488.1	1358.0	1358.0	1587.5	1717.6	1712.9	1720.0	1762.5
40°	1944.7	1663.2	1253.9	1386.4	1296.5	1289.3	1521.2	1651.3	1634.8	1632.4	1691.6
42.5°	1861.9	1504.7	1130.9	1251.6	1225.5	1216.0	1440.8	1570.9	1540.1	1547.3	1622.9
45°	1772.0	1462.0	1036.2	1057.5	1152.2	1145.1	1353.3	1478.6	1457.4	1476.3	1554.4
47.5°	1682.1	1376.9	1005.5	877.8	1074.1	1071.7	1256.3	1388.7	1376.9	1395.9	1478.6
50°	1559.1	1282.3	1003.1	752.3	986.5	996.0	1140.4	1301.2	1301.2	1317.8	1405.3
52.5°	1400.5	1166.3	910.9	681.3	884.8	913.2	1038.6	1225.5	1230.2	1246.8	1324.9
55°	1256.3	1045.7	844.6	627.0	764.1	825.7	939.3	1147.4	1156.9	1173.5	1244.4
57.5°	1123.8	870.6	830.4	563.1	653.0	712.1	851.7	1071.7	1076.4	1090.7	1159.2
60°	981.8	629.3	761.8	494.5	556.0	600.9	771.2	981.8	998.4	1007.9	1067.0
62.5°	820.9	456.6	690.8	447.1	508.6	518.1	705.1	896.7	918.0	925.0	960.5
65°	584.4	383.3	586.7	406.9	458.9	461.4	634.1	809.1	828.1	839.9	865.9
67.5°	395.1	312.3	447.1	369.0	421.2	423.5	565.5	707.4	733.4	742.8	759.4
70°	274.4	208.2	331.2	328.8	378.5	383.3	492.1	615.1	638.8	645.9	655.4
72.5°	201.1	168.0	274.4	295.7	333.6	338.3	416.4	511.0	534.7	541.8	546.5
75°	153.8	177.5	222.4	257.8	283.9	286.2	340.7	416.4	433.0	437.7	440.0
77.5°	123.0	165.6	163.2	208.2	231.9	227.1	267.3	321.8	335.9	335.9	335.9
80°	92.3	130.1	123.0	149.1	170.4	165.6	191.6	229.5	234.2	239.0	236.5
82.5°	68.6	82.8	82.8	94.6	113.5	108.9	127.8	149.1	149.1	149.1	153.8
85°	42.6	47.3	37.9	49.7	63.8	61.5	71.0	80.4	82.8	82.8	78.1
87.5°	26.1	21.3	11.8	18.9	28.4	28.4	33.1	35.5	33.1	33.1	33.1
90°	24.1	16.7	9.3	16.7	24.1	26.0	40.8	60.6	70.5	62.6	46.9
92.5°	163.2	100.1	37.1	100.1	163.2	179.0	251.6	348.4	396.8	347.7	249.7
95°	319.8	204.4	89.0	204.4	319.8	348.6	619.0	979.6	1159.8	1035.0	785.3
97.5°	357.5	255.7	153.9	255.7	357.5	382.9	833.8	1435.0	1735.6	1656.7	1498.8
100°	388.6	296.3	204.0	296.3	388.6	411.7	912.0	1579.1	1912.7	1918.4	1929.9
102.5°	418.8	332.7	246.6	332.7	418.8	440.4	947.9	1624.5	1962.7	2063.2	2264.3
105°	464.8	391.9	318.9	391.9	464.8	483.0	974.4	1629.6	1957.2	2182.5	2633.3
107.5°	529.0	461.1	393.1	461.1	529.0	546.1	979.3	1557.0	1845.9	2160.3	2789.1
110°	566.0	504.6	443.2	504.6	566.0	581.3	972.0	1492.8	1753.2	2104.7	2807.6



TEST NUMBER: P935666

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	609.3	550.8	492.3	550.8	609.3	623.9	972.2	1436.6	1668.8	2028.5	2747.9
115°	674.3	620.5	566.5	620.5	674.3	687.9	981.2	1372.2	1567.8	1914.3	2607.3
117.5°	737.7	688.8	639.7	688.8	737.7	750.0	999.4	1332.0	1498.2	1810.9	2436.4
120°	774.6	728.5	682.3	728.5	774.6	786.2	1014.2	1318.3	1470.4	1756.2	2327.6
122.5°	817.2	770.6	724.0	770.6	817.2	828.8	1035.5	1311.2	1449.1	1706.4	2221.1
125°	872.9	830.5	788.1	830.5	872.9	883.5	1064.3	1305.4	1425.9	1644.5	2081.7
127.5°	925.7	882.9	840.0	882.9	925.7	936.4	1093.1	1302.0	1406.4	1594.1	1969.5
130°	960.0	913.9	867.7	913.9	960.0	971.6	1114.0	1304.0	1399.0	1566.1	1900.3
132.5°	988.8	942.7	896.5	942.7	988.8	1000.3	1131.0	1305.4	1392.5	1542.1	1841.2
135°	1023.3	981.2	939.2	981.2	1023.3	1033.7	1149.6	1304.1	1381.4	1506.6	1757.1
137.5°	1066.0	1024.3	982.7	1024.3	1066.0	1076.3	1177.4	1312.2	1379.5	1485.4	1697.2
140°	1095.5	1057.2	1018.9	1057.2	1095.5	1105.1	1194.4	1313.5	1373.1	1464.6	1647.5
142.5°	1117.5	1082.2	1046.7	1082.2	1117.5	1126.4	1208.6	1318.3	1373.1	1453.4	1614.1
145°	1151.2	1120.2	1089.3	1120.2	1151.2	1158.9	1227.2	1318.3	1363.7	1429.5	1561.0
147.5°	1192.2	1162.1	1132.0	1162.1	1192.2	1199.7	1254.4	1327.3	1363.7	1415.5	1518.9
150°	1214.2	1187.0	1159.8	1187.0	1214.2	1221.0	1268.6	1332.0	1363.7	1407.4	1494.8
152.5°	1229.7	1209.1	1188.5	1209.1	1229.7	1234.9	1277.9	1335.1	1363.7	1401.1	1475.7
155°	1261.7	1246.5	1231.2	1246.5	1261.7	1265.5	1298.3	1341.9	1363.7	1393.5	1452.8
157.5°	1292.4	1277.5	1262.7	1277.5	1292.4	1296.1	1318.6	1348.7	1363.7	1386.8	1432.9
160°	1307.2	1295.6	1284.1	1295.6	1307.2	1310.0	1327.9	1351.8	1363.7	1383.5	1423.1
162.5°	1322.6	1314.0	1305.4	1314.0	1322.6	1324.8	1337.8	1355.1	1363.7	1380.4	1413.8
165°	1344.2	1336.4	1328.6	1336.4	1344.2	1346.2	1352.0	1359.8	1363.7	1375.7	1399.6
167.5°	1357.3	1353.5	1349.9	1353.5	1357.3	1358.2	1363.1	1369.7	1373.1	1380.8	1396.5
170°	1371.3	1367.5	1363.7	1367.5	1371.3	1372.2	1372.4	1372.9	1373.1	1380.8	1396.5
172.5°	1372.9	1372.0	1371.2	1372.0	1372.9	1373.1	1373.1	1373.1	1373.1	1379.2	1391.6
175°	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1378.6	1374.9	1373.1	1377.0	1384.8
177.5°	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1379.2	1376.4	1374.9	1378.0	1384.2
180°	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4



TEST NUMBER: P935666

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7
2.5°	2413.1	2406.1	2415.6	2389.5	2415.6	2406.1	2413.1	2429.7	2415.6	2425.0	2434.4
5°	2117.4	2105.6	2067.7	2037.0	2067.7	2105.6	2117.4	2167.1	2190.7	2233.4	2290.1
7.5°	1892.7	1883.2	1873.7	1854.8	1873.7	1883.2	1892.7	1906.8	1930.6	1968.3	2011.0
10°	1843.0	1845.3	1859.6	1857.1	1859.6	1845.3	1843.0	1838.3	1831.2	1838.3	1864.3
12.5°	1970.8	1992.1	2070.1	2065.4	2070.1	1992.1	1970.8	1876.1	1812.2	1800.4	1805.1
15°	2117.4	2124.5	2141.0	2143.5	2141.0	2124.5	2117.4	2079.5	1887.9	1805.1	1779.1
17.5°	2131.6	2134.0	2145.8	2145.8	2145.8	2134.0	2131.6	2115.1	2051.2	1940.0	1793.3
20°	2119.8	2124.5	2148.2	2153.0	2148.2	2124.5	2119.8	2098.5	2063.0	2022.8	1911.6
22.5°	2115.1	2124.5	2143.5	2141.0	2143.5	2124.5	2115.1	2082.0	2051.2	2022.8	1977.8
25°	2091.4	2091.4	2093.8	2096.1	2093.8	2091.4	2091.4	2065.4	2003.9	1996.7	1970.8
27.5°	2041.8	2046.4	2060.7	2058.3	2060.7	2046.4	2041.8	2032.3	1966.0	1958.9	1940.0
30°	1996.7	1992.1	1980.2	1970.8	1980.2	1992.1	1996.7	1982.6	1916.3	1897.4	1902.1
32.5°	1921.1	1909.3	1897.4	1890.3	1897.4	1909.3	1921.1	1916.3	1866.6	1840.6	1845.3
35°	1831.2	1833.5	1831.2	1824.0	1831.2	1833.5	1831.2	1835.9	1805.1	1781.5	1779.1
37.5°	1767.3	1772.0	1769.7	1760.2	1769.7	1772.0	1767.3	1762.5	1720.0	1712.9	1717.6
40°	1701.0	1703.4	1701.0	1693.9	1701.0	1703.4	1701.0	1691.6	1632.4	1634.8	1651.3
42.5°	1637.2	1634.8	1627.7	1622.9	1627.7	1634.8	1637.2	1622.9	1547.3	1540.1	1570.9
45°	1563.8	1566.2	1552.0	1544.9	1552.0	1566.2	1563.8	1554.4	1476.3	1457.4	1478.6
47.5°	1490.5	1490.5	1478.6	1471.5	1478.6	1490.5	1490.5	1478.6	1395.9	1376.9	1388.7
50°	1412.4	1410.0	1393.5	1391.1	1393.5	1410.0	1412.4	1405.3	1317.8	1301.2	1301.2
52.5°	1322.5	1322.5	1324.9	1329.6	1324.9	1322.5	1322.5	1324.9	1246.8	1230.2	1225.5
55°	1244.4	1246.8	1263.4	1268.1	1263.4	1246.8	1244.4	1244.4	1173.5	1156.9	1147.4
57.5°	1164.0	1164.0	1175.8	1175.8	1175.8	1164.0	1164.0	1159.2	1090.7	1076.4	1071.7
60°	1071.7	1076.4	1085.9	1083.6	1085.9	1076.4	1071.7	1067.0	1007.9	998.4	981.8
62.5°	974.7	979.5	981.8	977.1	981.8	979.5	974.7	960.5	925.0	918.0	896.7
65°	873.0	877.8	880.1	875.3	880.1	877.8	873.0	865.9	839.9	828.1	809.1
67.5°	768.9	766.6	764.1	773.6	764.1	766.6	768.9	759.4	742.8	733.4	707.4
70°	662.4	662.4	660.0	664.8	660.0	662.4	662.4	655.4	645.9	638.8	615.1
72.5°	548.9	546.5	556.0	548.9	556.0	546.5	548.9	546.5	541.8	534.7	511.0
75°	437.7	442.4	437.7	444.8	437.7	442.4	437.7	440.0	437.7	433.0	416.4
77.5°	333.6	338.3	333.6	333.6	333.6	338.3	333.6	335.9	335.9	335.9	321.8
80°	236.5	234.2	234.2	231.9	234.2	234.2	236.5	236.5	239.0	234.2	229.5
82.5°	151.4	149.1	149.1	153.8	149.1	149.1	151.4	153.8	149.1	149.1	149.1
85°	82.8	85.1	80.4	80.4	80.4	85.1	82.8	78.1	82.8	82.8	80.4
87.5°	30.8	28.4	28.4	28.4	28.4	28.4	30.8	33.1	33.1	33.1	35.5
90°	35.2	35.2	35.2	35.2	35.2	35.2	35.2	46.9	62.6	70.5	60.6
92.5°	176.1	169.1	141.1	113.1	141.1	169.1	176.1	249.7	347.7	396.8	348.4
95°	598.0	576.8	491.9	407.0	491.9	576.8	598.0	785.3	1035.0	1159.8	979.6
97.5°	1380.5	1340.1	1178.6	1017.1	1178.6	1340.1	1380.5	1498.8	1656.7	1735.6	1435.0
100°	1938.6	1890.5	1698.0	1505.6	1698.0	1890.5	1938.6	1929.9	1918.4	1912.7	1579.1
102.5°	2415.1	2373.9	2209.1	2044.3	2209.1	2373.9	2415.1	2264.3	2063.2	1962.7	1624.5
105°	2971.4	2949.2	2860.6	2772.1	2860.6	2949.2	2971.4	2633.3	2182.5	1957.2	1629.6
107.5°	3260.6	3266.0	3287.4	3308.8	3287.4	3266.0	3260.6	2789.1	2160.3	1845.9	1557.0
110°	3334.8	3357.9	3450.2	3542.5	3450.2	3357.9	3334.8	2807.6	2104.7	1753.2	1492.8



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3287.5	3323.0	3464.7	3606.4	3464.7	3323.0	3287.5	2747.9	2028.5	1668.8	1436.6
115°	3127.1	3176.3	3372.8	3569.3	3372.8	3176.3	3127.1	2607.3	1914.3	1567.8	1372.2
117.5°	2905.6	2960.1	3178.0	3396.0	3178.0	2960.1	2905.6	2436.4	1810.9	1498.2	1332.0
120°	2756.3	2809.2	3021.1	3232.8	3021.1	2809.2	2756.3	2327.6	1756.2	1470.4	1318.3
122.5°	2607.1	2659.3	2868.2	3077.1	2868.2	2659.3	2607.1	2221.1	1706.4	1449.1	1311.2
125°	2409.6	2457.6	2650.1	2842.5	2650.1	2457.6	2409.6	2081.7	1644.5	1425.9	1305.4
127.5°	2251.0	2291.6	2454.0	2616.3	2454.0	2291.6	2251.0	1969.5	1594.1	1406.4	1302.0
130°	2150.9	2188.4	2338.4	2488.3	2338.4	2188.4	2150.9	1900.3	1566.1	1399.0	1304.0
132.5°	2065.6	2099.1	2233.5	2367.8	2233.5	2099.1	2065.6	1841.2	1542.1	1392.5	1305.4
135°	1945.1	1974.0	2089.8	2205.6	2089.8	1974.0	1945.1	1757.1	1506.6	1381.4	1304.1
137.5°	1856.1	1879.8	1974.5	2069.3	1974.5	1879.8	1856.1	1697.2	1485.4	1379.5	1312.2
140°	1784.7	1806.8	1895.5	1984.0	1895.5	1806.8	1784.7	1647.5	1464.6	1373.1	1313.5
142.5°	1734.6	1753.6	1829.8	1906.1	1829.8	1753.6	1734.6	1614.1	1453.4	1373.1	1318.3
145°	1659.6	1674.0	1731.6	1789.3	1731.6	1674.0	1659.6	1561.0	1429.5	1363.7	1318.3
147.5°	1596.5	1608.4	1656.2	1704.0	1656.2	1608.4	1596.5	1518.9	1415.5	1363.7	1327.3
150°	1560.3	1570.0	1608.8	1647.5	1608.8	1570.0	1560.3	1494.8	1407.4	1363.7	1332.0
152.5°	1531.6	1539.0	1568.1	1597.4	1568.1	1539.0	1531.6	1475.7	1401.1	1363.7	1335.1
155°	1497.3	1502.2	1521.5	1540.8	1521.5	1502.2	1497.3	1452.8	1393.5	1363.7	1341.9
157.5°	1467.6	1471.0	1484.6	1498.2	1484.6	1471.0	1467.6	1432.9	1386.8	1363.7	1348.7
160°	1452.7	1454.7	1462.5	1470.4	1462.5	1454.7	1452.7	1423.1	1383.5	1363.7	1351.8
162.5°	1438.9	1440.7	1448.2	1455.6	1448.2	1440.7	1438.9	1413.8	1380.4	1363.7	1355.1
165°	1417.5	1419.5	1427.3	1435.2	1427.3	1419.5	1417.5	1399.6	1375.7	1363.7	1359.8
167.5°	1408.2	1409.0	1412.4	1415.7	1412.4	1409.0	1408.2	1396.5	1380.8	1373.1	1369.7
170°	1408.2	1408.2	1408.2	1408.2	1408.2	1408.2	1408.2	1396.5	1380.8	1373.1	1372.9
172.5°	1400.9	1400.2	1397.2	1394.4	1397.2	1400.2	1400.9	1391.6	1379.2	1373.1	1373.1
175°	1390.7	1390.7	1390.7	1390.7	1390.7	1390.7	1390.7	1384.8	1377.0	1373.1	1374.9
177.5°	1388.8	1388.0	1384.7	1381.4	1384.7	1388.0	1388.8	1384.2	1378.0	1374.9	1376.4
180°	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2500.7	2500.7	2500.7	2500.7	2500.7
2.5°	2469.9	2481.8	2488.9	2498.4	2522.0
5°	2375.3	2420.2	2434.4	2469.9	2512.5
7.5°	2167.1	2304.4	2342.1	2427.4	2493.6
10°	1966.0	2103.3	2169.4	2370.6	2469.9
12.5°	1864.3	1944.7	1989.7	2271.2	2436.8
15°	1800.4	1857.1	1890.3	2138.7	2399.0
17.5°	1750.7	1791.0	1814.6	2008.6	2346.9
20°	1720.0	1738.9	1760.2	1914.0	2287.8
22.5°	1698.7	1686.9	1703.4	1847.7	2207.3
25°	1684.4	1639.5	1658.5	1795.6	2112.7
27.5°	1696.3	1597.0	1604.0	1748.4	2013.3
30°	1698.7	1544.9	1547.3	1698.7	1902.1
32.5°	1682.1	1490.5	1492.8	1637.2	1776.7
35°	1641.9	1426.6	1424.3	1566.2	1606.4
37.5°	1587.5	1358.0	1358.0	1488.1	1419.5
40°	1521.2	1289.3	1296.5	1386.4	1253.9
42.5°	1440.8	1216.0	1225.5	1251.6	1130.9
45°	1353.3	1145.1	1152.2	1057.5	1036.2
47.5°	1256.3	1071.7	1074.1	877.8	1005.5
50°	1140.4	996.0	986.5	752.3	1003.1
52.5°	1038.6	913.2	884.8	681.3	910.9
55°	939.3	825.7	764.1	627.0	844.6
57.5°	851.7	712.1	653.0	563.1	830.4
60°	771.2	600.9	556.0	494.5	761.8
62.5°	705.1	518.1	508.6	447.1	690.8
65°	634.1	461.4	458.9	406.9	586.7
67.5°	565.5	423.5	421.2	369.0	447.1
70°	492.1	383.3	378.5	328.8	331.2
72.5°	416.4	338.3	333.6	295.7	274.4
75°	340.7	286.2	283.9	257.8	222.4
77.5°	267.3	227.1	231.9	208.2	163.2
80°	191.6	165.6	170.4	149.1	123.0
82.5°	127.8	108.9	113.5	94.6	82.8
85°	71.0	61.5	63.8	49.7	37.9
87.5°	33.1	28.4	28.4	18.9	11.8
90°	40.8	26.0	24.1	16.7	9.3
92.5°	251.6	179.0	163.2	100.1	37.1
95°	619.0	348.6	319.8	204.4	89.0
97.5°	833.8	382.9	357.5	255.7	153.9
100°	912.0	411.7	388.6	296.3	204.0
102.5°	947.9	440.4	418.8	332.7	246.6
105°	974.4	483.0	464.8	391.9	318.9
107.5°	979.3	546.1	529.0	461.1	393.1
110°	972.0	581.3	566.0	504.6	443.2



TEST NUMBER: P935666

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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	972.2	623.9	609.3	550.8	492.3
115°	981.2	687.9	674.3	620.5	566.5
117.5°	999.4	750.0	737.7	688.8	639.7
120°	1014.2	786.2	774.6	728.5	682.3
122.5°	1035.5	828.8	817.2	770.6	724.0
125°	1064.3	883.5	872.9	830.5	788.1
127.5°	1093.1	936.4	925.7	882.9	840.0
130°	1114.0	971.6	960.0	913.9	867.7
132.5°	1131.0	1000.3	988.8	942.7	896.5
135°	1149.6	1033.7	1023.3	981.2	939.2
137.5°	1177.4	1076.3	1066.0	1024.3	982.7
140°	1194.4	1105.1	1095.5	1057.2	1018.9
142.5°	1208.6	1126.4	1117.5	1082.2	1046.7
145°	1227.2	1158.9	1151.2	1120.2	1089.3
147.5°	1254.4	1199.7	1192.2	1162.1	1132.0
150°	1268.6	1221.0	1214.2	1187.0	1159.8
152.5°	1277.9	1234.9	1229.7	1209.1	1188.5
155°	1298.3	1265.5	1261.7	1246.5	1231.2
157.5°	1318.6	1296.1	1292.4	1277.5	1262.7
160°	1327.9	1310.0	1307.2	1295.6	1284.1
162.5°	1337.8	1324.8	1322.6	1314.0	1305.4
165°	1352.0	1346.2	1344.2	1336.4	1328.6
167.5°	1363.1	1358.2	1357.3	1353.5	1349.9
170°	1372.4	1372.2	1371.3	1367.5	1363.7
172.5°	1373.1	1373.1	1372.9	1372.0	1371.2
175°	1378.6	1381.4	1381.4	1381.4	1381.4
177.5°	1379.2	1381.4	1381.4	1381.4	1381.4
180°	1381.4	1381.4	1381.4	1381.4	1381.4



TEST NUMBER: P935666  
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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	12.54	13.33	13.56	14.36	15.74	15.38	16.17	16.40	17.20	18.58
	3H	13.01	13.72	14.04	14.76	16.16	16.72	17.43	17.75	18.47	19.87
	4H	13.20	13.87	14.24	14.91	16.32	17.16	17.83	18.21	18.88	20.29
	6H	13.31	13.93	14.37	14.98	16.40	17.44	18.06	18.50	19.11	20.53
	8H	13.31	13.90	14.37	14.96	16.38	17.52	18.11	18.58	19.17	20.59
	12H	13.28	13.84	14.35	14.90	16.34	17.56	18.12	18.62	19.17	20.61
4H	2H	13.56	14.24	14.62	15.28	16.69	15.78	16.45	16.83	17.49	18.90
	3H	14.58	15.15	15.64	16.22	17.64	17.28	17.84	18.34	18.91	20.33
	4H	14.86	15.37	15.92	16.43	17.88	17.80	18.32	18.87	19.38	20.82
	6H	14.98	15.42	16.05	16.51	17.94	18.17	18.61	19.24	19.69	21.13
	8H	14.98	15.40	16.06	16.47	17.93	18.27	18.69	19.35	19.76	21.22
	12H	14.95	15.32	16.04	16.41	17.87	18.33	18.70	19.42	19.79	21.25
8H	4H	15.31	15.72	16.38	16.80	18.25	17.92	18.34	19.00	19.41	20.87
	6H	15.57	15.91	16.66	17.03	18.48	18.36	18.70	19.46	19.82	21.27
	8H	15.61	15.91	16.71	17.01	18.48	18.51	18.81	19.62	19.91	21.38
	12H	15.59	15.85	16.70	16.95	18.46	18.61	18.87	19.72	19.97	21.48
12H	4H	15.31	15.68	16.40	16.77	18.23	17.88	18.26	18.98	19.35	20.81
	6H	15.63	15.93	16.73	17.03	18.50	18.36	18.66	19.46	19.76	21.23
	8H	15.69	15.95	16.80	17.05	18.56	18.52	18.78	19.62	19.88	21.38