

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: P935866

Luminaire Tested: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-8-3500K

Issue Date: 12/17/2024

**Test Information**

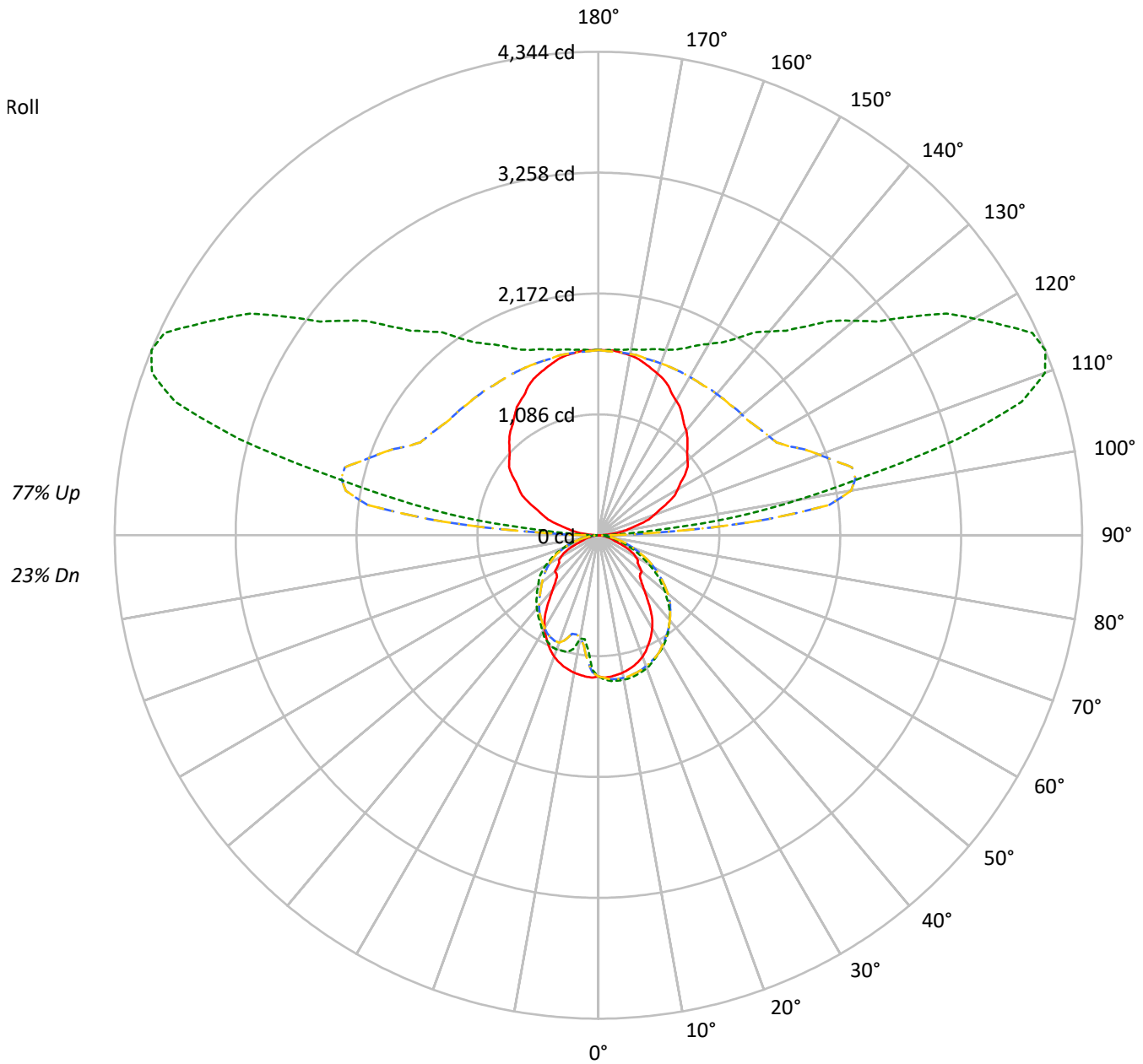
Test Method: LM-79-2019  
Report Number: P935866  
REPORT IS A COMBINATION OF REPORTS P933772 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-8-3500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14085.0 lumens  
Efficiency: N/A  
Efficacy: 126.7 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: Semi-Indirect  
  
Input Watts (W): 111.2  
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	101	101	101	101	90	90	90	90	69	69	69	49	49	49	32	32	32	23
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	27	20
2	84	77	71	66	74	68	63	59	52	49	46	38	36	34	25	24	23	17
3	76	67	60	55	67	60	54	49	46	42	39	34	31	29	22	20	19	14
4	70	59	52	46	62	53	47	42	41	37	33	30	27	25	19	18	16	12
5	64	53	45	39	56	47	40	36	36	32	28	27	24	21	17	16	14	10
6	59	47	39	34	52	42	35	31	33	28	24	24	21	18	16	14	12	9
7	54	42	35	29	48	38	31	27	30	25	21	22	19	16	14	12	11	8
8	50	38	31	26	44	34	28	23	27	22	19	20	17	14	13	11	10	7
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	6
10	43	32	25	20	38	28	22	18	22	18	15	17	14	11	11	9	8	6

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

	0°	90°	180°	270°
0°	5890	5890	5890	5890
5°	5933	5945	5933	4675
10°	5893	5856	5893	4187
15°	5829	5729	5829	4784
20°	5707	5579	5707	4794
25°	5458	5360	5458	4692
30°	5135	5178	5135	4469
35°	4578	4947	4578	4224
40°	3815	4676	3815	4039
45°	3409	4359	3409	3826
50°	3621	3981	3621	3612
55°	3407	3573	3407	3488
60°	3512	3035	3512	3195
65°	3184	2509	3184	2804
70°	2205	1999	2205	2350
75°	1934	1478	1934	1770
80°	1557	977	1557	1063
85°	894	518	894	440

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 5224 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.6	0.8
10°-20°	325.3	2.3
20°-30°	502.9	3.6
30°-40°	600.3	4.3
40°-50°	603.9	4.3
50°-60°	525.4	3.7
60°-70°	372.5	2.6
70°-80°	197.1	1.4
80°-90°	55.4	0.4
90°-100°	811.2	5.8
100°-110°	2132.6	15.1
110°-120°	2211.2	15.7
120°-130°	1773.7	12.6
130°-140°	1391.7	9.9
140°-150°	1068.2	7.6
150°-160°	769.3	5.5
160°-170°	470.7	3.3
170°-180°	159.0	1.1
0°-30°	942.8	6.7
0°-40°	1543.1	11.0
0°-60°	2672.4	19.0
0°-90°	3297.5	23.4
90°-120°	5155.0	36.6
90°-150°	9388.5	66.7
90°-180°	10788.0	76.6
0°-180°	14085.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1269	1269	1269	1269	1269	
5°	1275	1315	1275	1034	1275	121
15°	1218	1303	1218	1088	1218	343
25°	1072	1215	1072	1064	1072	492
35°	815	1084	815	926	815	504
45°	526	893	526	784	526	421
55°	429	659	429	644	429	394
65°	298	398	298	444	298	285
75°	113	189	113	226	113	119
85°	19	48	19	41	19	26
90°	11	42	11	42	11	10
95°	107	490	107	490	107	119
105°	384	3339	384	3339	384	407
115°	682	4300	682	4300	682	674
125°	949	3424	949	3424	949	843
135°	1131	2657	1131	2657	1131	875
145°	1312	2156	1312	2156	1312	822
155°	1483	1856	1483	1856	1483	681
165°	1600	1729	1600	1729	1600	452
175°	1664	1675	1664	1675	1664	158
180°	1664	1664	1664	1664	1664	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4
2.5°	1280.1	1280.1	1287.4	1289.8	1289.8	1286.1	1282.5	1286.1	1296.9	1300.5	1299.4
5°	1275.4	1285.0	1298.2	1300.5	1302.9	1301.8	1299.4	1301.8	1313.8	1316.2	1317.4
7.5°	1265.7	1283.8	1300.5	1304.2	1307.8	1304.2	1302.9	1305.4	1317.4	1319.8	1319.8
10°	1253.7	1279.0	1298.2	1300.5	1304.2	1300.5	1300.5	1305.4	1317.4	1319.8	1320.9
12.5°	1236.9	1271.7	1289.8	1292.1	1296.9	1295.8	1294.5	1299.4	1311.4	1313.8	1313.8
15°	1217.7	1258.5	1275.4	1277.7	1286.1	1283.8	1283.8	1288.5	1301.8	1305.4	1304.2
17.5°	1191.3	1241.7	1261.0	1264.5	1270.5	1269.4	1270.5	1275.4	1287.4	1289.8	1291.0
20°	1161.2	1218.9	1241.7	1245.3	1251.3	1251.3	1251.3	1257.3	1269.4	1274.1	1274.1
22.5°	1120.4	1194.9	1218.9	1221.3	1228.5	1228.5	1230.9	1239.3	1250.1	1251.3	1251.3
25°	1072.4	1168.5	1188.9	1196.0	1203.3	1206.9	1210.5	1215.3	1218.9	1217.7	1218.9
27.5°	1022.0	1134.8	1161.2	1166.1	1175.6	1179.3	1184.1	1185.3	1186.5	1190.0	1187.7
30°	965.5	1088.0	1127.6	1132.5	1148.1	1150.5	1145.6	1148.1	1154.1	1156.5	1158.9
32.5°	901.8	1018.3	1092.8	1103.7	1118.1	1110.8	1109.6	1113.2	1122.8	1122.8	1125.2
35°	815.4	964.3	1060.4	1070.0	1080.8	1072.4	1077.2	1078.4	1084.4	1088.0	1086.8
37.5°	720.5	917.5	1026.7	1034.0	1042.4	1031.6	1038.7	1042.4	1047.2	1044.7	1044.7
40°	636.5	844.2	987.2	991.9	999.2	990.8	997.9	1000.3	1002.7	1000.3	999.2
42.5°	574.0	763.8	945.1	951.1	946.3	952.3	954.7	959.5	955.9	951.1	951.1
45°	526.0	742.1	899.4	906.7	899.4	909.1	912.7	912.7	901.8	899.4	898.3
47.5°	510.4	698.9	853.9	853.9	850.2	862.3	868.3	859.9	849.0	845.4	845.4
50°	509.2	650.9	791.4	786.6	803.4	817.8	811.8	803.4	794.9	781.8	781.8
52.5°	462.3	592.1	711.0	729.0	755.4	763.8	754.1	745.8	731.4	725.3	720.5
55°	428.7	530.8	637.6	673.7	701.3	712.1	694.1	685.7	664.1	660.5	658.1
57.5°	421.5	441.9	570.4	616.1	649.6	648.5	637.6	622.1	604.1	600.5	599.2
60°	386.7	319.4	498.3	552.4	587.2	583.7	574.0	559.6	542.8	540.4	538.0
62.5°	350.7	231.8	416.7	477.9	527.2	526.0	517.6	496.0	483.9	477.9	473.2
65°	297.8	194.6	296.6	397.5	468.3	470.8	452.8	437.1	423.9	416.7	415.5
67.5°	227.0	158.6	200.5	331.4	411.9	409.5	386.7	379.5	362.7	359.1	351.9
70°	168.1	105.6	139.3	269.0	356.7	350.7	332.6	324.3	308.6	300.2	295.5
72.5°	139.3	85.2	102.1	209.0	300.2	293.0	277.4	267.8	254.6	247.4	242.5
75°	112.9	90.1	78.1	154.9	243.8	239.0	224.5	215.0	204.1	194.6	195.7
77.5°	82.9	84.1	62.4	114.1	193.4	186.1	177.7	165.7	160.9	151.3	151.3
80°	62.4	66.1	46.8	78.1	139.3	139.3	132.1	123.7	115.3	110.5	110.5
82.5°	42.0	42.0	34.8	49.2	94.9	91.2	86.5	84.1	79.2	76.8	76.8
85°	19.2	24.0	21.6	30.0	51.7	54.1	54.1	51.7	50.4	48.1	49.2
87.5°	6.0	10.8	13.3	16.8	26.4	27.7	28.8	28.8	28.8	30.0	30.0
90°	11.2	20.1	29.0	31.2	49.2	73.0	84.9	75.5	56.6	42.4	42.4
92.5°	44.7	120.6	196.6	215.6	303.1	419.7	478.0	418.9	300.8	212.2	203.8
95°	107.3	246.2	385.2	419.9	745.6	1179.9	1397.1	1246.7	946.0	720.4	694.8
97.5°	185.4	308.0	430.6	461.3	1004.5	1728.7	2090.7	1995.7	1805.6	1663.0	1614.3
100°	245.7	356.9	468.1	495.9	1098.6	1902.2	2304.0	2311.0	2324.9	2335.2	2277.3
102.5°	297.1	400.8	504.5	530.5	1141.8	1956.8	2364.3	2485.5	2727.7	2909.3	2859.7
105°	384.2	472.0	559.9	581.9	1173.8	1963.0	2357.6	2629.2	3172.2	3579.5	3552.8
107.5°	473.5	555.5	637.3	657.8	1179.8	1875.7	2223.6	2602.3	3359.8	3927.9	3934.4
110°	533.9	607.8	681.8	700.2	1170.8	1798.2	2112.0	2535.3	3382.1	4017.3	4045.0



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	593.1	663.5	734.0	751.6	1171.2	1730.5	2010.2	2443.6	3310.2	3960.2	4002.9
115°	682.4	747.4	812.4	828.7	1182.0	1653.0	1888.6	2306.0	3140.8	3767.0	3826.2
117.5°	770.6	829.7	888.8	903.5	1203.9	1604.5	1804.8	2181.5	2935.0	3500.1	3565.8
120°	822.0	877.6	933.2	947.1	1221.8	1588.1	1771.3	2115.5	2804.0	3320.4	3384.1
122.5°	872.2	928.3	984.4	998.5	1247.5	1579.6	1745.6	2055.5	2675.6	3140.5	3203.4
125°	949.3	1000.4	1051.5	1064.3	1282.1	1572.4	1717.7	1981.0	2507.6	2902.6	2960.5
127.5°	1011.9	1063.5	1115.1	1128.0	1316.7	1568.4	1694.2	1920.3	2372.5	2711.6	2760.5
130°	1045.4	1101.0	1156.6	1170.4	1342.1	1570.8	1685.2	1886.5	2289.1	2591.0	2636.2
132.5°	1080.0	1135.6	1191.2	1205.1	1362.6	1572.5	1677.5	1857.6	2218.0	2488.3	2528.7
135°	1131.3	1182.0	1232.7	1245.3	1384.9	1571.0	1664.0	1815.0	2116.8	2343.1	2377.9
137.5°	1183.9	1234.0	1284.1	1296.6	1418.4	1580.7	1661.9	1789.5	2044.5	2235.9	2264.4
140°	1227.4	1273.6	1319.7	1331.2	1438.9	1582.3	1654.0	1764.2	1984.6	2149.9	2176.6
142.5°	1260.9	1303.6	1346.3	1356.9	1456.0	1588.0	1654.0	1750.8	1944.3	2089.6	2112.5
145°	1312.3	1349.5	1386.7	1396.1	1478.3	1588.0	1642.8	1722.0	1880.3	1999.1	2016.5
147.5°	1363.6	1399.9	1436.2	1445.2	1511.1	1598.9	1642.8	1705.1	1829.7	1923.1	1937.5
150°	1397.1	1429.9	1462.7	1470.8	1528.1	1604.6	1642.8	1695.5	1800.7	1879.6	1891.3
152.5°	1431.8	1456.6	1481.5	1487.7	1539.4	1608.3	1642.8	1687.8	1777.6	1845.0	1853.7
155°	1483.2	1501.5	1519.9	1524.4	1563.9	1616.5	1642.8	1678.5	1750.1	1803.7	1809.5
157.5°	1521.1	1539.0	1556.9	1561.3	1588.5	1624.7	1642.8	1670.7	1726.3	1768.0	1772.1
160°	1546.8	1560.7	1574.6	1578.1	1599.7	1628.4	1642.8	1666.6	1714.3	1750.1	1752.4
162.5°	1572.5	1582.9	1593.4	1596.0	1611.6	1632.4	1642.8	1663.0	1703.2	1733.3	1735.6
165°	1600.4	1609.8	1619.3	1621.6	1628.7	1638.1	1642.8	1657.2	1686.1	1707.6	1710.0
167.5°	1626.1	1630.5	1635.0	1636.2	1642.1	1650.1	1654.0	1663.4	1682.3	1696.4	1697.4
170°	1642.8	1647.3	1651.8	1652.9	1653.3	1653.7	1654.0	1663.4	1682.3	1696.4	1696.4
172.5°	1651.8	1652.7	1653.7	1654.0	1654.0	1654.0	1654.0	1661.4	1676.3	1687.5	1686.6
175°	1664.0	1664.0	1664.0	1664.0	1660.7	1656.2	1654.0	1658.7	1668.1	1675.2	1675.2
177.5°	1664.0	1664.0	1664.0	1664.0	1661.4	1657.9	1656.2	1660.0	1667.4	1673.0	1672.0
180°	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4
2.5°	1301.8	1298.2	1301.8	1299.4	1300.5	1296.9	1286.1	1282.5	1286.1	1289.8	1289.8
5°	1317.4	1314.9	1317.4	1317.4	1316.2	1313.8	1301.8	1299.4	1301.8	1302.9	1300.5
7.5°	1322.2	1318.6	1322.2	1319.8	1319.8	1317.4	1305.4	1302.9	1304.2	1307.8	1304.2
10°	1322.2	1318.6	1322.2	1320.9	1319.8	1317.4	1305.4	1300.5	1300.5	1304.2	1300.5
12.5°	1316.2	1313.8	1316.2	1313.8	1313.8	1311.4	1299.4	1294.5	1295.8	1296.9	1292.1
15°	1306.5	1302.9	1306.5	1304.2	1305.4	1301.8	1288.5	1283.8	1283.8	1286.1	1277.7
17.5°	1292.1	1287.4	1292.1	1291.0	1289.8	1287.4	1275.4	1270.5	1269.4	1270.5	1264.5
20°	1275.4	1271.7	1275.4	1274.1	1274.1	1269.4	1257.3	1251.3	1251.3	1251.3	1245.3
22.5°	1249.0	1245.3	1249.0	1251.3	1251.3	1250.1	1239.3	1230.9	1228.5	1228.5	1221.3
25°	1218.9	1215.3	1218.9	1218.9	1217.7	1218.9	1215.3	1210.5	1206.9	1203.3	1196.0
27.5°	1190.0	1187.7	1190.0	1187.7	1190.0	1186.5	1185.3	1184.1	1179.3	1175.6	1166.1
30°	1161.2	1158.9	1161.2	1158.9	1156.5	1154.1	1148.1	1145.6	1150.5	1148.1	1132.5
32.5°	1125.2	1122.8	1125.2	1125.2	1122.8	1122.8	1113.2	1109.6	1110.8	1118.1	1103.7
35°	1088.0	1084.4	1088.0	1086.8	1088.0	1084.4	1078.4	1077.2	1072.4	1080.8	1070.0
37.5°	1044.7	1041.2	1044.7	1044.7	1044.7	1047.2	1042.4	1038.7	1031.6	1042.4	1034.0
40°	1000.3	995.5	1000.3	999.2	1000.3	1002.7	1000.3	997.9	990.8	999.2	991.9
42.5°	949.9	948.7	949.9	951.1	951.1	955.9	959.5	954.7	952.3	946.3	951.1
45°	895.8	893.4	895.8	898.3	899.4	901.8	912.7	912.7	909.1	899.4	906.7
47.5°	838.2	832.2	838.2	845.4	845.4	849.0	859.9	868.3	862.3	850.2	853.9
50°	777.0	778.2	777.0	781.8	781.8	794.9	803.4	811.8	817.8	803.4	786.6
52.5°	717.0	715.7	717.0	720.5	725.3	731.4	745.8	754.1	763.8	755.4	729.0
55°	656.9	659.3	656.9	658.1	660.5	664.1	685.7	694.1	712.1	701.3	673.7
57.5°	596.8	593.2	596.8	599.2	600.5	604.1	622.1	637.6	648.5	649.6	616.1
60°	527.2	522.4	527.2	538.0	540.4	542.8	559.6	574.0	583.7	587.2	552.4
62.5°	465.9	457.5	465.9	473.2	477.9	483.9	496.0	517.6	526.0	527.2	477.9
65°	401.1	397.5	401.1	415.5	416.7	423.9	437.1	452.8	470.8	468.3	397.5
67.5°	342.3	342.3	342.3	351.9	359.1	362.7	379.5	386.7	409.5	411.9	331.4
70°	288.2	287.0	288.2	295.5	300.2	308.6	324.3	332.6	350.7	356.7	269.0
72.5°	236.5	235.4	236.5	242.5	247.4	254.6	267.8	277.4	293.0	300.2	209.0
75°	191.0	188.6	191.0	195.7	194.6	204.1	215.0	224.5	239.0	243.8	154.9
77.5°	146.5	146.5	146.5	151.3	151.3	160.9	165.7	177.7	186.1	193.4	114.1
80°	109.3	108.1	109.3	110.5	110.5	115.3	123.7	132.1	139.3	139.3	78.1
82.5°	76.8	74.5	76.8	76.8	76.8	79.2	84.1	86.5	91.2	94.9	49.2
85°	48.1	48.1	48.1	49.2	48.1	50.4	51.7	54.1	54.1	51.7	30.0
87.5°	31.2	30.0	31.2	30.0	30.0	28.8	28.8	28.8	27.7	26.4	16.8
90°	42.4	42.4	42.4	42.4	42.4	56.6	75.5	84.9	73.0	49.2	31.2
92.5°	170.0	136.3	170.0	203.8	212.2	300.8	418.9	478.0	419.7	303.1	215.6
95°	592.5	490.3	592.5	694.8	720.4	946.0	1246.7	1397.1	1179.9	745.6	419.9
97.5°	1419.7	1225.1	1419.7	1614.3	1663.0	1805.6	1995.7	2090.7	1728.7	1004.5	461.3
100°	2045.5	1813.7	2045.5	2277.3	2335.2	2324.9	2311.0	2304.0	1902.2	1098.6	495.9
102.5°	2661.1	2462.6	2661.1	2859.7	2909.3	2727.7	2485.5	2364.3	1956.8	1141.8	530.5
105°	3446.1	3339.3	3446.1	3552.8	3579.5	3172.2	2629.2	2357.6	1963.0	1173.8	581.9
107.5°	3960.1	3985.9	3960.1	3934.4	3927.9	3359.8	2602.3	2223.6	1875.7	1179.8	657.8
110°	4156.2	4267.4	4156.2	4045.0	4017.3	3382.1	2535.3	2112.0	1798.2	1170.8	700.2





TEST NUMBER: P935866

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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4173.7	4344.4	4173.7	4002.9	3960.2	3310.2	2443.6	2010.2	1730.5	1171.2	751.6
115°	4063.0	4299.7	4063.0	3826.2	3767.0	3140.8	2306.0	1888.6	1653.0	1182.0	828.7
117.5°	3828.4	4090.9	3828.4	3565.8	3500.1	2935.0	2181.5	1804.8	1604.5	1203.9	903.5
120°	3639.3	3894.3	3639.3	3384.1	3320.4	2804.0	2115.5	1771.3	1588.1	1221.8	947.1
122.5°	3455.1	3706.8	3455.1	3203.4	3140.5	2675.6	2055.5	1745.6	1579.6	1247.5	998.5
125°	3192.4	3424.2	3192.4	2960.5	2902.6	2507.6	1981.0	1717.7	1572.4	1282.1	1064.3
127.5°	2956.1	3151.7	2956.1	2760.5	2711.6	2372.5	1920.3	1694.2	1568.4	1316.7	1128.0
130°	2816.9	2997.6	2816.9	2636.2	2591.0	2289.1	1886.5	1685.2	1570.8	1342.1	1170.4
132.5°	2690.5	2852.4	2690.5	2528.7	2488.3	2218.0	1857.6	1677.5	1572.5	1362.6	1205.1
135°	2517.4	2656.9	2517.4	2377.9	2343.1	2116.8	1815.0	1664.0	1571.0	1384.9	1245.3
137.5°	2378.6	2492.7	2378.6	2264.4	2235.9	2044.5	1789.5	1661.9	1580.7	1418.4	1296.6
140°	2283.3	2390.0	2283.3	2176.6	2149.9	1984.6	1764.2	1654.0	1582.3	1438.9	1331.2
142.5°	2204.3	2296.2	2204.3	2112.5	2089.6	1944.3	1750.8	1654.0	1588.0	1456.0	1356.9
145°	2086.0	2155.5	2086.0	2016.5	1999.1	1880.3	1722.0	1642.8	1588.0	1478.3	1396.1
147.5°	1995.1	2052.7	1995.1	1937.5	1923.1	1829.7	1705.1	1642.8	1598.9	1511.1	1445.2
150°	1938.0	1984.6	1938.0	1891.3	1879.6	1800.7	1695.5	1642.8	1604.6	1528.1	1470.8
152.5°	1889.0	1924.3	1889.0	1853.7	1845.0	1777.6	1687.8	1642.8	1608.3	1539.4	1487.7
155°	1832.9	1856.2	1832.9	1809.5	1803.7	1750.1	1678.5	1642.8	1616.5	1563.9	1524.4
157.5°	1788.4	1804.8	1788.4	1772.1	1768.0	1726.3	1670.7	1642.8	1624.7	1588.5	1561.3
160°	1761.9	1771.3	1761.9	1752.4	1750.1	1714.3	1666.6	1642.8	1628.4	1599.7	1578.1
162.5°	1744.4	1753.4	1744.4	1735.6	1733.3	1703.2	1663.0	1642.8	1632.4	1611.6	1596.0
165°	1719.4	1728.8	1719.4	1710.0	1707.6	1686.1	1657.2	1642.8	1638.1	1628.7	1621.6
167.5°	1701.5	1705.4	1701.5	1697.4	1696.4	1682.3	1663.4	1654.0	1650.1	1642.1	1636.2
170°	1696.4	1696.4	1696.4	1696.4	1696.4	1682.3	1663.4	1654.0	1653.7	1653.3	1652.9
172.5°	1683.2	1679.7	1683.2	1686.6	1687.5	1676.3	1661.4	1654.0	1654.0	1654.0	1654.0
175°	1675.2	1675.2	1675.2	1675.2	1675.2	1668.1	1658.7	1654.0	1656.2	1660.7	1664.0
177.5°	1668.0	1664.0	1668.0	1672.0	1673.0	1667.4	1660.0	1656.2	1657.9	1661.4	1664.0
180°	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0



TEST NUMBER: P935866

CATALOG NUMBER: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4
2.5°	1287.4	1280.1	1280.1	1268.1	1263.4	1259.7	1253.7	1235.7	1230.9	1226.1	1233.3
5°	1298.2	1285.0	1275.4	1253.7	1235.7	1228.5	1205.7	1162.5	1133.6	1112.0	1100.0
7.5°	1300.5	1283.8	1265.7	1232.1	1188.9	1169.6	1100.0	1020.7	999.2	979.9	967.9
10°	1298.2	1279.0	1253.7	1203.3	1101.2	1067.6	997.9	946.3	933.1	929.5	933.1
12.5°	1289.8	1271.7	1236.9	1152.9	1009.9	987.2	946.3	916.3	913.8	919.8	952.3
15°	1275.4	1258.5	1217.7	1085.6	959.5	942.7	913.8	903.1	916.3	958.3	1055.6
17.5°	1261.0	1241.7	1191.3	1019.6	921.1	909.1	888.7	910.3	984.8	1041.2	1073.6
20°	1241.7	1218.9	1161.2	971.5	893.4	882.7	873.0	970.3	1026.7	1047.2	1065.2
22.5°	1218.9	1194.9	1120.4	937.9	864.6	856.3	862.3	1003.9	1026.7	1041.2	1056.7
25°	1188.9	1168.5	1072.4	911.5	841.9	832.2	855.0	1000.3	1013.6	1017.2	1048.4
27.5°	1161.2	1134.8	1022.0	887.4	814.2	810.6	861.0	984.8	994.3	997.9	1031.6
30°	1127.6	1088.0	965.5	862.3	785.4	784.2	862.3	965.5	963.1	972.8	1006.3
32.5°	1092.8	1018.3	901.8	831.0	757.8	756.5	853.9	936.7	934.3	947.5	972.8
35°	1060.4	964.3	815.4	794.9	723.0	724.1	833.4	903.1	904.3	916.3	931.9
37.5°	1026.7	917.5	720.5	755.4	689.3	689.3	805.8	871.9	869.4	873.0	894.7
40°	987.2	844.2	636.5	703.7	658.1	654.5	772.2	838.2	829.8	828.6	858.6
42.5°	945.1	763.8	574.0	635.3	622.1	617.2	731.4	797.4	781.8	785.4	823.8
45°	899.4	742.1	526.0	536.8	584.8	581.2	686.9	750.5	739.7	749.4	788.9
47.5°	853.9	698.9	510.4	445.5	545.2	544.0	637.6	704.9	698.9	708.5	750.5
50°	791.4	650.9	509.2	381.9	500.7	505.6	578.8	660.5	660.5	668.9	713.3
52.5°	711.0	592.1	462.3	345.9	449.1	463.5	527.2	622.1	624.5	632.9	672.5
55°	637.6	530.8	428.7	318.2	387.8	419.1	476.8	582.4	587.2	595.7	631.6
57.5°	570.4	441.9	421.5	285.8	331.4	361.4	432.3	544.0	546.4	553.6	588.4
60°	498.3	319.4	386.7	251.0	282.2	305.0	391.5	498.3	506.7	511.6	541.6
62.5°	416.7	231.8	350.7	227.0	258.2	263.0	357.9	455.2	465.9	469.6	487.6
65°	296.6	194.6	297.8	206.5	233.0	234.2	321.9	410.7	420.3	426.3	439.5
67.5°	200.5	158.6	227.0	187.3	213.8	215.0	287.0	359.1	372.3	377.1	385.5
70°	139.3	105.6	168.1	166.9	192.1	194.6	249.8	312.2	324.3	327.9	332.6
72.5°	102.1	85.2	139.3	150.1	169.3	171.7	211.4	259.4	271.4	275.0	277.4
75°	78.1	90.1	112.9	130.9	144.1	145.3	172.9	211.4	219.8	222.1	223.4
77.5°	62.4	84.1	82.9	105.6	117.6	115.3	135.7	163.3	170.6	170.6	170.6
80°	46.8	66.1	62.4	75.7	86.5	84.1	97.2	116.5	118.9	121.3	120.1
82.5°	34.8	42.0	42.0	48.1	57.7	55.2	64.8	75.7	75.7	75.7	78.1
85°	21.6	24.0	19.2	25.2	32.4	31.2	36.0	40.8	42.0	42.0	39.7
87.5°	13.3	10.8	6.0	9.6	14.4	14.4	16.8	18.0	16.8	16.8	16.8
90°	29.0	20.1	11.2	20.1	29.0	31.2	49.2	73.0	84.9	75.5	56.6
92.5°	196.6	120.6	44.7	120.6	196.6	215.6	303.1	419.7	478.0	418.9	300.8
95°	385.2	246.2	107.3	246.2	385.2	419.9	745.6	1179.9	1397.1	1246.7	946.0
97.5°	430.6	308.0	185.4	308.0	430.6	461.3	1004.5	1728.7	2090.7	1995.7	1805.6
100°	468.1	356.9	245.7	356.9	468.1	495.9	1098.6	1902.2	2304.0	2311.0	2324.9
102.5°	504.5	400.8	297.1	400.8	504.5	530.5	1141.8	1956.8	2364.3	2485.5	2727.7
105°	559.9	472.0	384.2	472.0	559.9	581.9	1173.8	1963.0	2357.6	2629.2	3172.2
107.5°	637.3	555.5	473.5	555.5	637.3	657.8	1179.8	1875.7	2223.6	2602.3	3359.8
110°	681.8	607.8	533.9	607.8	681.8	700.2	1170.8	1798.2	2112.0	2535.3	3382.1



TEST NUMBER: P935866

CATALOG NUMBER: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	734.0	663.5	593.1	663.5	734.0	751.6	1171.2	1730.5	2010.2	2443.6	3310.2
115°	812.4	747.4	682.4	747.4	812.4	828.7	1182.0	1653.0	1888.6	2306.0	3140.8
117.5°	888.8	829.7	770.6	829.7	888.8	903.5	1203.9	1604.5	1804.8	2181.5	2935.0
120°	933.2	877.6	822.0	877.6	933.2	947.1	1221.8	1588.1	1771.3	2115.5	2804.0
122.5°	984.4	928.3	872.2	928.3	984.4	998.5	1247.5	1579.6	1745.6	2055.5	2675.6
125°	1051.5	1000.4	949.3	1000.4	1051.5	1064.3	1282.1	1572.4	1717.7	1981.0	2507.6
127.5°	1115.1	1063.5	1011.9	1063.5	1115.1	1128.0	1316.7	1568.4	1694.2	1920.3	2372.5
130°	1156.6	1101.0	1045.4	1101.0	1156.6	1170.4	1342.1	1570.8	1685.2	1886.5	2289.1
132.5°	1191.2	1135.6	1080.0	1135.6	1191.2	1205.1	1362.6	1572.5	1677.5	1857.6	2218.0
135°	1232.7	1182.0	1131.3	1182.0	1232.7	1245.3	1384.9	1571.0	1664.0	1815.0	2116.8
137.5°	1284.1	1234.0	1183.9	1234.0	1284.1	1296.6	1418.4	1580.7	1661.9	1789.5	2044.5
140°	1319.7	1273.6	1227.4	1273.6	1319.7	1331.2	1438.9	1582.3	1654.0	1764.2	1984.6
142.5°	1346.3	1303.6	1260.9	1303.6	1346.3	1356.9	1456.0	1588.0	1654.0	1750.8	1944.3
145°	1386.7	1349.5	1312.3	1349.5	1386.7	1396.1	1478.3	1588.0	1642.8	1722.0	1880.3
147.5°	1436.2	1399.9	1363.6	1399.9	1436.2	1445.2	1511.1	1598.9	1642.8	1705.1	1829.7
150°	1462.7	1429.9	1397.1	1429.9	1462.7	1470.8	1528.1	1604.6	1642.8	1695.5	1800.7
152.5°	1481.5	1456.6	1431.8	1456.6	1481.5	1487.7	1539.4	1608.3	1642.8	1687.8	1777.6
155°	1519.9	1501.5	1483.2	1501.5	1519.9	1524.4	1563.9	1616.5	1642.8	1678.5	1750.1
157.5°	1556.9	1539.0	1521.1	1539.0	1556.9	1561.3	1588.5	1624.7	1642.8	1670.7	1726.3
160°	1574.6	1560.7	1546.8	1560.7	1574.6	1578.1	1599.7	1628.4	1642.8	1666.6	1714.3
162.5°	1593.4	1582.9	1572.5	1582.9	1593.4	1596.0	1611.6	1632.4	1642.8	1663.0	1703.2
165°	1619.3	1609.8	1600.4	1609.8	1619.3	1621.6	1628.7	1638.1	1642.8	1657.2	1686.1
167.5°	1635.0	1630.5	1626.1	1630.5	1635.0	1636.2	1642.1	1650.1	1654.0	1663.4	1682.3
170°	1651.8	1647.3	1642.8	1647.3	1651.8	1652.9	1653.3	1653.7	1654.0	1663.4	1682.3
172.5°	1653.7	1652.7	1651.8	1652.7	1653.7	1654.0	1654.0	1654.0	1654.0	1661.4	1676.3
175°	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1660.7	1656.2	1654.0	1658.7	1668.1
177.5°	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1661.4	1657.9	1656.2	1660.0	1667.4
180°	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0



TEST NUMBER: P935866

CATALOG NUMBER: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4
2.5°	1224.9	1221.3	1226.1	1212.9	1226.1	1221.3	1224.9	1233.3	1226.1	1230.9	1235.7
5°	1074.8	1068.8	1049.6	1034.0	1049.6	1068.8	1074.8	1100.0	1112.0	1133.6	1162.5
7.5°	960.7	955.9	951.1	941.5	951.1	955.9	960.7	967.9	979.9	999.2	1020.7
10°	935.5	936.7	943.9	942.7	943.9	936.7	935.5	933.1	929.5	933.1	946.3
12.5°	1000.3	1011.2	1050.7	1048.4	1050.7	1011.2	1000.3	952.3	919.8	913.8	916.3
15°	1074.8	1078.4	1086.8	1088.0	1086.8	1078.4	1074.8	1055.6	958.3	916.3	903.1
17.5°	1082.0	1083.2	1089.2	1089.2	1089.2	1083.2	1082.0	1073.6	1041.2	984.8	910.3
20°	1076.0	1078.4	1090.4	1092.8	1090.4	1078.4	1076.0	1065.2	1047.2	1026.7	970.3
22.5°	1073.6	1078.4	1088.0	1086.8	1088.0	1078.4	1073.6	1056.7	1041.2	1026.7	1003.9
25°	1061.6	1061.6	1062.8	1064.0	1062.8	1061.6	1061.6	1048.4	1017.2	1013.6	1000.3
27.5°	1036.3	1038.7	1046.0	1044.7	1046.0	1038.7	1036.3	1031.6	997.9	994.3	984.8
30°	1013.6	1011.2	1005.2	1000.3	1005.2	1011.2	1013.6	1006.3	972.8	963.1	965.5
32.5°	975.1	969.1	963.1	959.5	963.1	969.1	975.1	972.8	947.5	934.3	936.7
35°	929.5	930.7	929.5	925.8	929.5	930.7	929.5	931.9	916.3	904.3	903.1
37.5°	897.1	899.4	898.3	893.4	898.3	899.4	897.1	894.7	873.0	869.4	871.9
40°	863.4	864.6	863.4	859.9	863.4	864.6	863.4	858.6	828.6	829.8	838.2
42.5°	831.0	829.8	826.2	823.8	826.2	829.8	831.0	823.8	785.4	781.8	797.4
45°	793.8	794.9	787.8	784.2	787.8	794.9	793.8	788.9	749.4	739.7	750.5
47.5°	756.5	756.5	750.5	747.0	750.5	756.5	756.5	750.5	708.5	698.9	704.9
50°	717.0	715.7	707.3	706.1	707.3	715.7	717.0	713.3	668.9	660.5	660.5
52.5°	671.3	671.3	672.5	674.9	672.5	671.3	671.3	672.5	632.9	624.5	622.1
55°	631.6	632.9	641.3	643.6	641.3	632.9	631.6	631.6	595.7	587.2	582.4
57.5°	590.8	590.8	596.8	596.8	596.8	590.8	590.8	588.4	553.6	546.4	544.0
60°	544.0	546.4	551.2	550.0	551.2	546.4	544.0	541.6	511.6	506.7	498.3
62.5°	494.7	497.2	498.3	496.0	498.3	497.2	494.7	487.6	469.6	465.9	455.2
65°	443.1	445.5	446.8	444.3	446.8	445.5	443.1	439.5	426.3	420.3	410.7
67.5°	390.3	389.1	387.8	392.7	387.8	389.1	390.3	385.5	377.1	372.3	359.1
70°	336.3	336.3	335.0	337.4	335.0	336.3	336.3	332.6	327.9	324.3	312.2
72.5°	278.6	277.4	282.2	278.6	282.2	277.4	278.6	277.4	275.0	271.4	259.4
75°	222.1	224.5	222.1	225.8	222.1	224.5	222.1	223.4	222.1	219.8	211.4
77.5°	169.3	171.7	169.3	169.3	169.3	171.7	169.3	170.6	170.6	170.6	163.3
80°	120.1	118.9	118.9	117.6	118.9	118.9	120.1	120.1	121.3	118.9	116.5
82.5°	76.8	75.7	75.7	78.1	75.7	75.7	76.8	78.1	75.7	75.7	75.7
85°	42.0	43.2	40.8	40.8	40.8	43.2	42.0	39.7	42.0	42.0	40.8
87.5°	15.6	14.4	14.4	14.4	14.4	14.4	15.6	16.8	16.8	16.8	18.0
90°	42.4	42.4	42.4	42.4	42.4	42.4	42.4	56.6	75.5	84.9	73.0
92.5°	212.2	203.8	170.0	136.3	170.0	203.8	212.2	300.8	418.9	478.0	419.7
95°	720.4	694.8	592.5	490.3	592.5	694.8	720.4	946.0	1246.7	1397.1	1179.9
97.5°	1663.0	1614.3	1419.7	1225.1	1419.7	1614.3	1663.0	1805.6	1995.7	2090.7	1728.7
100°	2335.2	2277.3	2045.5	1813.7	2045.5	2277.3	2335.2	2324.9	2311.0	2304.0	1902.2
102.5°	2909.3	2859.7	2661.1	2462.6	2661.1	2859.7	2909.3	2727.7	2485.5	2364.3	1956.8
105°	3579.5	3552.8	3446.1	3339.3	3446.1	3552.8	3579.5	3172.2	2629.2	2357.6	1963.0
107.5°	3927.9	3934.4	3960.1	3985.9	3960.1	3934.4	3927.9	3359.8	2602.3	2223.6	1875.7
110°	4017.3	4045.0	4156.2	4267.4	4156.2	4045.0	4017.3	3382.1	2535.3	2112.0	1798.2



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3960.2	4002.9	4173.7	4344.4	4173.7	4002.9	3960.2	3310.2	2443.6	2010.2	1730.5
115°	3767.0	3826.2	4063.0	4299.7	4063.0	3826.2	3767.0	3140.8	2306.0	1888.6	1653.0
117.5°	3500.1	3565.8	3828.4	4090.9	3828.4	3565.8	3500.1	2935.0	2181.5	1804.8	1604.5
120°	3320.4	3384.1	3639.3	3894.3	3639.3	3384.1	3320.4	2804.0	2115.5	1771.3	1588.1
122.5°	3140.5	3203.4	3455.1	3706.8	3455.1	3203.4	3140.5	2675.6	2055.5	1745.6	1579.6
125°	2902.6	2960.5	3192.4	3424.2	3192.4	2960.5	2902.6	2507.6	1981.0	1717.7	1572.4
127.5°	2711.6	2760.5	2956.1	3151.7	2956.1	2760.5	2711.6	2372.5	1920.3	1694.2	1568.4
130°	2591.0	2636.2	2816.9	2997.6	2816.9	2636.2	2591.0	2289.1	1886.5	1685.2	1570.8
132.5°	2488.3	2528.7	2690.5	2852.4	2690.5	2528.7	2488.3	2218.0	1857.6	1677.5	1572.5
135°	2343.1	2377.9	2517.4	2656.9	2517.4	2377.9	2343.1	2116.8	1815.0	1664.0	1571.0
137.5°	2235.9	2264.4	2378.6	2492.7	2378.6	2264.4	2235.9	2044.5	1789.5	1661.9	1580.7
140°	2149.9	2176.6	2283.3	2390.0	2283.3	2176.6	2149.9	1984.6	1764.2	1654.0	1582.3
142.5°	2089.6	2112.5	2204.3	2296.2	2204.3	2112.5	2089.6	1944.3	1750.8	1654.0	1588.0
145°	1999.1	2016.5	2086.0	2155.5	2086.0	2016.5	1999.1	1880.3	1722.0	1642.8	1588.0
147.5°	1923.1	1937.5	1995.1	2052.7	1995.1	1937.5	1923.1	1829.7	1705.1	1642.8	1598.9
150°	1879.6	1891.3	1938.0	1984.6	1938.0	1891.3	1879.6	1800.7	1695.5	1642.8	1604.6
152.5°	1845.0	1853.7	1889.0	1924.3	1889.0	1853.7	1845.0	1777.6	1687.8	1642.8	1608.3
155°	1803.7	1809.5	1832.9	1856.2	1832.9	1809.5	1803.7	1750.1	1678.5	1642.8	1616.5
157.5°	1768.0	1772.1	1788.4	1804.8	1788.4	1772.1	1768.0	1726.3	1670.7	1642.8	1624.7
160°	1750.1	1752.4	1761.9	1771.3	1761.9	1752.4	1750.1	1714.3	1666.6	1642.8	1628.4
162.5°	1733.3	1735.6	1744.4	1753.4	1744.4	1735.6	1733.3	1703.2	1663.0	1642.8	1632.4
165°	1707.6	1710.0	1719.4	1728.8	1719.4	1710.0	1707.6	1686.1	1657.2	1642.8	1638.1
167.5°	1696.4	1697.4	1701.5	1705.4	1701.5	1697.4	1696.4	1682.3	1663.4	1654.0	1650.1
170°	1696.4	1696.4	1696.4	1696.4	1696.4	1696.4	1696.4	1682.3	1663.4	1654.0	1653.7
172.5°	1687.5	1686.6	1683.2	1679.7	1683.2	1686.6	1687.5	1676.3	1661.4	1654.0	1654.0
175°	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1668.1	1658.7	1654.0	1656.2
177.5°	1673.0	1672.0	1668.0	1664.0	1668.0	1672.0	1673.0	1667.4	1660.0	1656.2	1657.9
180°	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1269.4	1269.4	1269.4	1269.4	1269.4
2.5°	1253.7	1259.7	1263.4	1268.1	1280.1
5°	1205.7	1228.5	1235.7	1253.7	1275.4
7.5°	1100.0	1169.6	1188.9	1232.1	1265.7
10°	997.9	1067.6	1101.2	1203.3	1253.7
12.5°	946.3	987.2	1009.9	1152.9	1236.9
15°	913.8	942.7	959.5	1085.6	1217.7
17.5°	888.7	909.1	921.1	1019.6	1191.3
20°	873.0	882.7	893.4	971.5	1161.2
22.5°	862.3	856.3	864.6	937.9	1120.4
25°	855.0	832.2	841.9	911.5	1072.4
27.5°	861.0	810.6	814.2	887.4	1022.0
30°	862.3	784.2	785.4	862.3	965.5
32.5°	853.9	756.5	757.8	831.0	901.8
35°	833.4	724.1	723.0	794.9	815.4
37.5°	805.8	689.3	689.3	755.4	720.5
40°	772.2	654.5	658.1	703.7	636.5
42.5°	731.4	617.2	622.1	635.3	574.0
45°	686.9	581.2	584.8	536.8	526.0
47.5°	637.6	544.0	545.2	445.5	510.4
50°	578.8	505.6	500.7	381.9	509.2
52.5°	527.2	463.5	449.1	345.9	462.3
55°	476.8	419.1	387.8	318.2	428.7
57.5°	432.3	361.4	331.4	285.8	421.5
60°	391.5	305.0	282.2	251.0	386.7
62.5°	357.9	263.0	258.2	227.0	350.7
65°	321.9	234.2	233.0	206.5	297.8
67.5°	287.0	215.0	213.8	187.3	227.0
70°	249.8	194.6	192.1	166.9	168.1
72.5°	211.4	171.7	169.3	150.1	139.3
75°	172.9	145.3	144.1	130.9	112.9
77.5°	135.7	115.3	117.6	105.6	82.9
80°	97.2	84.1	86.5	75.7	62.4
82.5°	64.8	55.2	57.7	48.1	42.0
85°	36.0	31.2	32.4	25.2	19.2
87.5°	16.8	14.4	14.4	9.6	6.0
90°	49.2	31.2	29.0	20.1	11.2
92.5°	303.1	215.6	196.6	120.6	44.7
95°	745.6	419.9	385.2	246.2	107.3
97.5°	1004.5	461.3	430.6	308.0	185.4
100°	1098.6	495.9	468.1	356.9	245.7
102.5°	1141.8	530.5	504.5	400.8	297.1
105°	1173.8	581.9	559.9	472.0	384.2
107.5°	1179.8	657.8	637.3	555.5	473.5
110°	1170.8	700.2	681.8	607.8	533.9



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1171.2	751.6	734.0	663.5	593.1
115°	1182.0	828.7	812.4	747.4	682.4
117.5°	1203.9	903.5	888.8	829.7	770.6
120°	1221.8	947.1	933.2	877.6	822.0
122.5°	1247.5	998.5	984.4	928.3	872.2
125°	1282.1	1064.3	1051.5	1000.4	949.3
127.5°	1316.7	1128.0	1115.1	1063.5	1011.9
130°	1342.1	1170.4	1156.6	1101.0	1045.4
132.5°	1362.6	1205.1	1191.2	1135.6	1080.0
135°	1384.9	1245.3	1232.7	1182.0	1131.3
137.5°	1418.4	1296.6	1284.1	1234.0	1183.9
140°	1438.9	1331.2	1319.7	1273.6	1227.4
142.5°	1456.0	1356.9	1346.3	1303.6	1260.9
145°	1478.3	1396.1	1386.7	1349.5	1312.3
147.5°	1511.1	1445.2	1436.2	1399.9	1363.6
150°	1528.1	1470.8	1462.7	1429.9	1397.1
152.5°	1539.4	1487.7	1481.5	1456.6	1431.8
155°	1563.9	1524.4	1519.9	1501.5	1483.2
157.5°	1588.5	1561.3	1556.9	1539.0	1521.1
160°	1599.7	1578.1	1574.6	1560.7	1546.8
162.5°	1611.6	1596.0	1593.4	1582.9	1572.5
165°	1628.7	1621.6	1619.3	1609.8	1600.4
167.5°	1642.1	1636.2	1635.0	1630.5	1626.1
170°	1653.3	1652.9	1651.8	1647.3	1642.8
172.5°	1654.0	1654.0	1653.7	1652.7	1651.8
175°	1660.7	1664.0	1664.0	1664.0	1664.0
177.5°	1661.4	1664.0	1664.0	1664.0	1664.0
180°	1664.0	1664.0	1664.0	1664.0	1664.0



TEST NUMBER: P935866

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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	7.76	8.42	8.91	9.56	11.17	10.60	11.26	11.75	12.40	14.01
	3H	8.22	8.81	9.38	9.97	11.59	11.93	12.52	13.09	13.67	15.30
	4H	8.40	8.97	9.57	10.12	11.74	12.36	12.93	13.54	14.08	15.71
	6H	8.51	9.03	9.69	10.18	11.82	12.64	13.16	13.82	14.31	15.95
	8H	8.50	9.00	9.69	10.17	11.80	12.71	13.21	13.89	14.37	16.00
	12H	8.47	8.94	9.65	10.10	11.75	12.74	13.21	13.93	14.37	16.03
4H	2H	8.77	9.33	9.95	10.48	12.11	10.98	11.54	12.16	12.70	14.32
	3H	9.78	10.25	10.96	11.42	13.06	12.47	12.94	13.65	14.12	15.75
	4H	10.04	10.48	11.23	11.64	13.30	12.99	13.42	14.18	14.59	16.25
	6H	10.16	10.53	11.35	11.72	13.36	13.35	13.72	14.54	14.90	16.55
	8H	10.16	10.50	11.35	11.68	13.35	13.45	13.80	14.64	14.97	16.64
	12H	10.12	10.43	11.32	11.62	13.29	13.50	13.81	14.70	15.00	16.67
8H	4H	10.48	10.83	11.67	12.01	13.67	13.10	13.44	14.29	14.62	16.29
	6H	10.74	11.02	11.94	12.24	13.90	13.53	13.81	14.74	15.04	16.69
	8H	10.78	11.02	11.99	12.22	13.90	13.68	13.93	14.89	15.13	16.81
	12H	10.75	10.97	11.97	12.16	13.88	13.77	13.99	14.99	15.18	16.90
12H	4H	10.48	10.79	11.68	11.98	13.65	13.05	13.37	14.26	14.56	16.22
	6H	10.80	11.04	12.01	12.24	13.92	13.52	13.77	14.74	14.97	16.65
	8H	10.85	11.07	12.07	12.27	13.98	13.68	13.90	14.89	15.09	16.80